

## DFS Test Report

**Report No.:** RF180524C28C

**FCC ID:** 2AKCZ-0D1

**Test Model:** APL46-0D1

**Received Date:** Jan. 21, 2019

**Test Date:** Jan. 21 ~ Jan. 24, 2019

**Issued Date:** Jan. 24, 2019

**Applicant:** SonicWall Inc.

**Address:** 1033 McCarthy Blvd., Milpitas, CA 95035, USA

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)

**FCC Registration /  
Designation Number:** 788550 / TW0003



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### Release Control Record

| Issue No.    | Description      | Date Issued   |
|--------------|------------------|---------------|
| RF180524C28C | Original release | Jan. 24, 2019 |

## 1 Certificate of Conformity

**Product:** Wireless Access Point

**Brand:** SONICWALL

**Test Model:** APL46-0D1

**Sample Status:** Engineering sample

**Applicant:** SonicWall Inc.

**Test Date:** Jan. 21 ~ Jan. 24, 2019

**Standards:** FCC Part 15, Subpart E (Section 15.407)

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Pettie Chen, **Date:** Jan. 24, 2019  
Pettie Chen / Senior Specialist

**Approved by :** Bruce Chen, **Date:** Jan. 24, 2019  
Bruce Chen / Project Engineer

## 2 EUT Information

### 2.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands and Mode of EUT

| Operational Mode | Operating Frequency Range |              |
|------------------|---------------------------|--------------|
|                  | 5250~5350MHz              | 5470~5725MHz |
| Master           | ✓                         | ✓            |
| Mesh             | ✓                         | ✓            |

### 2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

| No. | Product               | Test Model No. | Firmware Version    |
|-----|-----------------------|----------------|---------------------|
| 1   | Wireless Access Point | APL46-0D1      | SonicOS 9.2.0.1-22o |

Note: This report is prepared for FCC class II permissive change. This report is issued as a supplementary report of BV CPS report no.: RF180524C28A-1. Difference compared with the original report is adding DFS Mesh Mode. All test data had been tested and presented in the test report.

### 2.3 Description of Available Antennas to the EUT

Table 3: Antenna List

| ANT No. | Antenna Type | Operation Frequency Range (MHz) | Min. Gain (dBi) | Max. Gain (dBi) |
|---------|--------------|---------------------------------|-----------------|-----------------|
| 1       | Dipole       | 5250~5725                       | 5               | 6.3             |
| 2       | Dipole       | 5250~5725                       | 5               | 6.3             |

Note: Directional gain = 6.30dBi + 10log(2) = 9.31dBi

## 2.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 20.87              | 122.048           |
| 5470~5725            | 21.15              | 130.379           |

#### 802.11n HT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 21.30              | 134.761           |
| 5470~5725            | 21.04              | 127.163           |

#### 802.11n HT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.37              | 217.300           |
| 5470~5725            | 22.53              | 178.919           |

#### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 20.38              | 109.081           |
| 5470~5725            | 22.25              | 167.940           |

## Beamforming Mode

### 802.11n HT20

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 18.29              | 67.385            |
| 5470~5725               | 18.03              | 63.586            |

### 802.11n HT40

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 20.36              | 108.657           |
| 5470~5725               | 19.52              | 89.466            |

### 802.11ac VHT80

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 17.37              | 54.544            |
| 5470~5725               | 19.24              | 83.976            |

## 2.5 EUT Maximum E.I.R.P. Power

Table 5: The EIRP Output Power List

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.17              | 521.195           |
| 5470~5725            | 27.45              | 555.904           |

#### 802.11n HT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.60              | 575.440           |
| 5470~5725            | 27.34              | 542.001           |

#### 802.11n HT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 29.67              | 926.830           |
| 5470~5725            | 28.83              | 763.836           |

#### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.68              | 465.586           |
| 5470~5725            | 28.55              | 716.143           |

## Beamforming Mode

### 802.11n HT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.60              | 575.440           |
| 5470~5725            | 27.34              | 542.001           |

### 802.11n HT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 29.67              | 926.830           |
| 5470~5725            | 28.83              | 763.836           |

### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.68              | 465.586           |
| 5470~5725            | 28.55              | 716.143           |

## 2.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum EIRP of this device is **926.830mW** which greater than 500mW, therefore it's require TPC function.

The UUT can adjust a transmitter's output power based on the signal level present at the receiver. TPC is auto controlled by software

| TPC | E.I.R.P | FCC 15.407(h)(1)                                                            |
|-----|---------|-----------------------------------------------------------------------------|
| √   | > 500mW | The TPC mechanism is required for system with an E.I.R.P. of above 500mW    |
|     | < 500mW | The TPC mechanism is not required for system with an E.I.R.P. of less 500mW |

## 2.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

### 3 U-NII DFS Rule Requirements

#### 3.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior To Use a Channel

| Requirement                     | Operational Mode |                                |                             |
|---------------------------------|------------------|--------------------------------|-----------------------------|
|                                 | Master           | Client without radar detection | Client with radar detection |
| Non-Occupancy Period            | ✓                | ✓ note                         | ✓                           |
| DFS Detection Threshold         | ✓                | Not required                   | ✓                           |
| Channel Availability Check Time | ✓                | Not required                   | Not required                |
| U-NII Detection Bandwidth       | ✓                | Not required                   | ✓                           |

Note: Regarding KDB 905462 D03 Client Without DFS New Rules v01r01 section (b)(5/6), If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements during Normal Operation.

| Requirement                       | Operational Mode                      |                                |
|-----------------------------------|---------------------------------------|--------------------------------|
|                                   | Master or Client with radar detection | Client without radar detection |
| DFS Detection Threshold           | ✓                                     | Not required                   |
| Channel Closing Transmission Time | ✓                                     | ✓                              |
| Channel Move Time                 | ✓                                     | ✓                              |
| U-NII Detection Bandwidth         | ✓                                     | Not required                   |

| Additional requirements for devices with multiple bandwidth modes | Master or Client with radar detection | Client without radar detection                       |
|-------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested           | Not required                                         |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available   | Test using the widest BW mode available for the link |
| All other tests                                                   | Any single BW mode                    | Not required                                         |

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

## 3.2 Test Limits and Radar Signal Parameters

### Detection Threshold Values

Table 8: DFS Detection Thresholds for Master Devices And Client Devices With Radar Detection

| Maximum Transmit Power                                                          | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                       | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                 | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the<br>power spectral density requirement | -64 dBm                          |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 9: DFS Response Requirement Values

| Parameter                         | Value                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Non-occupancy period              | Minimum 30 minutes                                                                                           |
| Channel Availability Check Time   | 60 seconds                                                                                                   |
| Channel Move Time                 | 10 seconds<br>See Note 1.                                                                                    |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60<br>milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission power<br>bandwidth. See Note 3                                    |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

## Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                           | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                  | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                    | 1                  | 1428                                                                                                                                                          | 18                                                                                                                                | See Note 1                                 | See Note 1               |
| 1                                                                                                                                    | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \left\{ \frac{1}{360} \right\} \cdot \left\{ \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\} \right\}$ | 60%                                        | 30                       |
|                                                                                                                                      |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                   |                                            |                          |
| 2                                                                                                                                    | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                             | 60%                                        | 30                       |
| 3                                                                                                                                    | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                             | 60%                                        | 30                       |
| 4                                                                                                                                    | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                             | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                          |                    |                                                                                                                                                               |                                                                                                                                   | 80%                                        | 120                      |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                    |                                                                                                                                                               |                                                                                                                                   |                                            |                          |

Table 11: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number Of Pulses Per Burst | Number Of Bursts | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------------------------|--------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30                       |

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

- a) the Channel center frequency
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

Table 12: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 70%                                        | 30                       |

## 4 Test & Support Equipment List

### 4.1 Test Instruments

Table 13: Test Instruments List

| Description & Manufacturer | Model No.    | Brand        | Date Of Calibration | Due Date Of Calibration |
|----------------------------|--------------|--------------|---------------------|-------------------------|
| Spectrum analyzer          | ESR          | R&S          | Mar. 01, 2018       | Feb. 28, 2019           |
| Signal generator           | MXG          | KEYSIGHT     | Dec. 24, 2018       | Dec. 23, 2019           |
| Horn antenna               | BBHA 9120 D  | Schwarzbeck  | Nov. 25, 2018       | Nov. 24, 2019           |
| RF coaxial cable           | SUCOFLEX 104 | HUBER SUHNER | Aug. 23, 2018       | Aug. 22, 2019           |

### 4.2 Description of Support Units

Table 14: Support Unit Information.

| No. | Product                       | Brand     | Model No. | FCC ID      |
|-----|-------------------------------|-----------|-----------|-------------|
| 1   | WiFi USB Adapter              | NETGEAR   | A6210     | PY313400249 |
| 2   | Wireless Access Point Outdoor | SONICWALL | APL46-0D1 | ---         |

Note: This device No.1 was functioned as a ☐Master ☒Slave device during the DFS test.

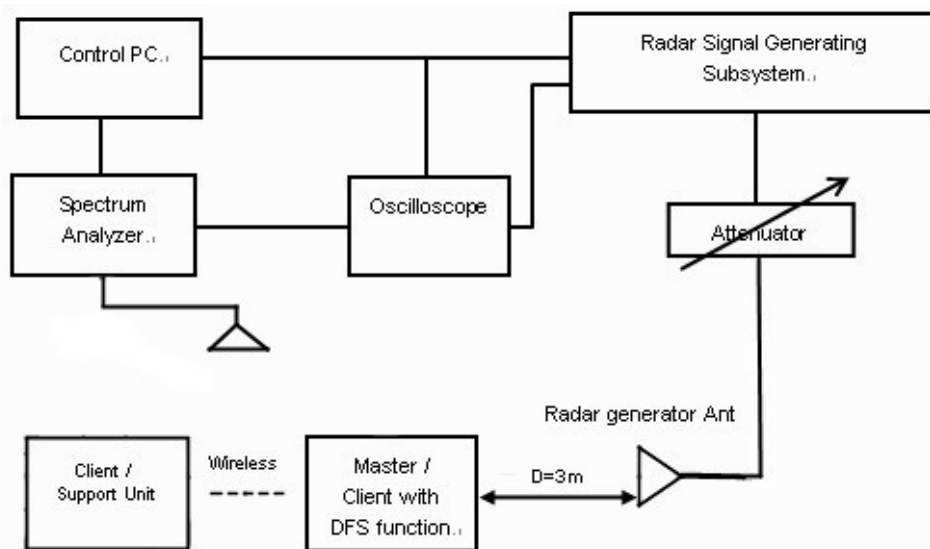
This device No.2 support setting Mesh mode during DFS test.

## 5 Test Procedure

### 5.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

#### Radiated Setup Configuration of DFS Measurement System



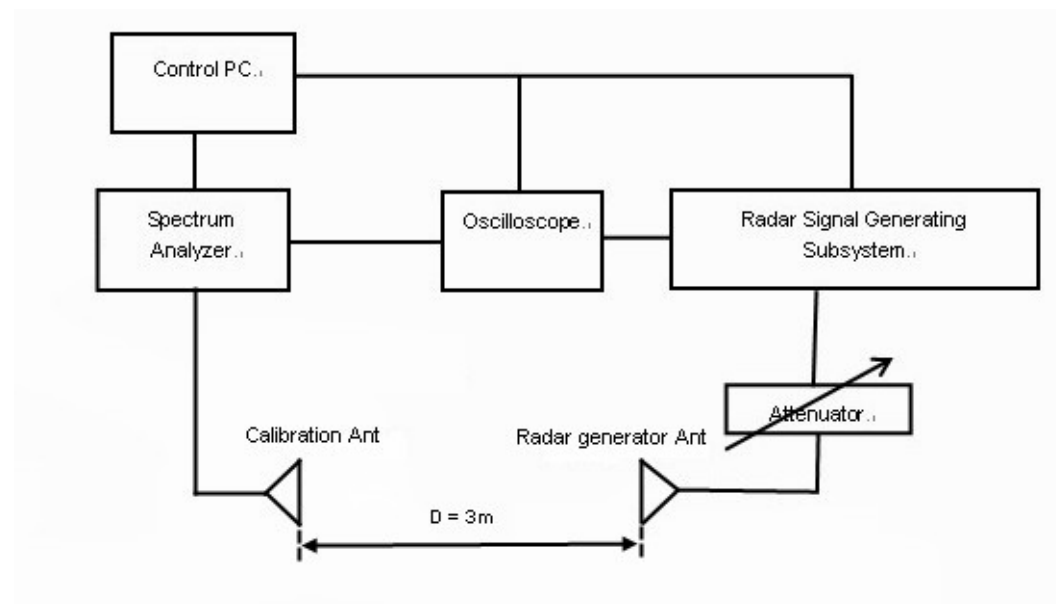
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

|   |                                                                                                                                                                            |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode. |
|   | b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.                                                                 |
| V | c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.                                                    |
|   | d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.                  |

## 5.2 Calibration of DFS Detection Threshold Level

The measured channel is 5500MHz, 5510MHz and 5530 MHz. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The calibrated detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.

### Radiated Setup Configuration of Calibration of DFS Detection Threshold Level

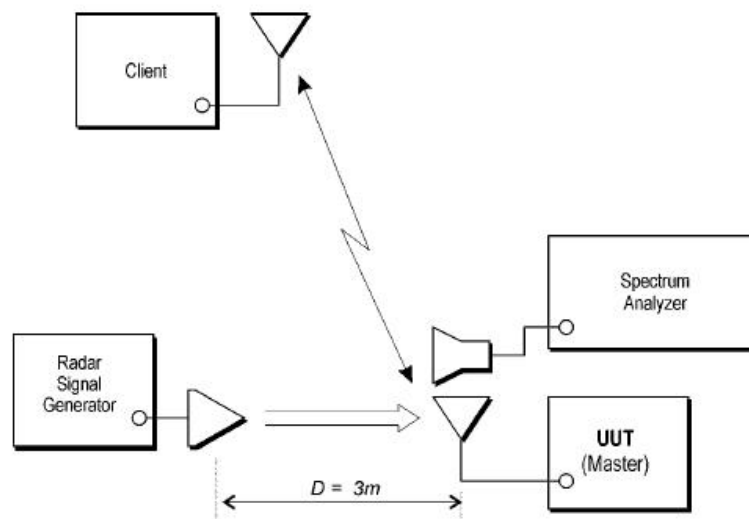


## 5.3 Deviation from Test Standard

No deviation.

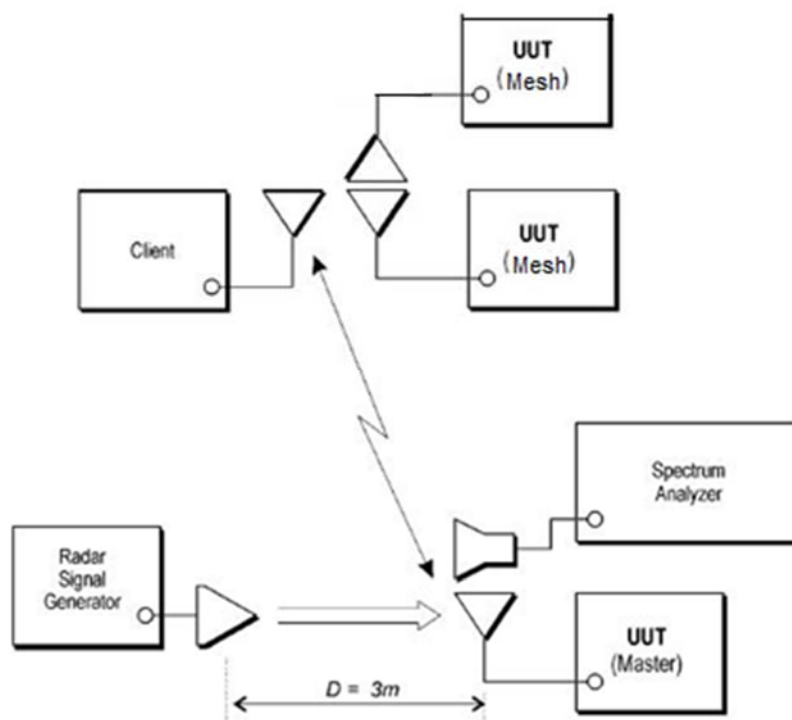
## 5.4 Radiated Test Setup Configuration

### 5.4.1 Master Mode



The EUT is a U-NII Device operating in Master mode. The radar test signals are injected into the Master Device.

### 5.4.2 Mesh Mode



The EUT is a U-NII Device operating in Mesh mode. The radar test signals are injected into the Master Device.

## 6 Test Results

### 6.1 Summary of Test Results

#### 6.1.1 Master mode

| Clause | Test Parameter                    | Remarks    | Pass/Fail |
|--------|-----------------------------------|------------|-----------|
| 15.407 | DFS Detection Threshold           | Applicable | Pass      |
| 15.407 | U-NII Detection Bandwidth         | Applicable | Pass      |
| 15.407 | Channel Availability Check Time   | Applicable | Pass      |
| 15.407 | Channel Move Time                 | Applicable | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable | Pass      |
| 15.407 | Uniform Spreading                 | Applicable | Pass      |

#### 6.1.2 Mesh mode

| Clause | Test Parameter                    | Remarks    | Pass/Fail |
|--------|-----------------------------------|------------|-----------|
| 15.407 | DFS Detection Threshold           | Applicable | Pass      |
| 15.407 | U-NII Detection Bandwidth         | Applicable | Pass      |
| 15.407 | Channel Availability Check Time   | Applicable | Pass      |
| 15.407 | Channel Move Time                 | Applicable | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable | Pass      |
| 15.407 | Uniform Spreading                 | Applicable | Pass      |

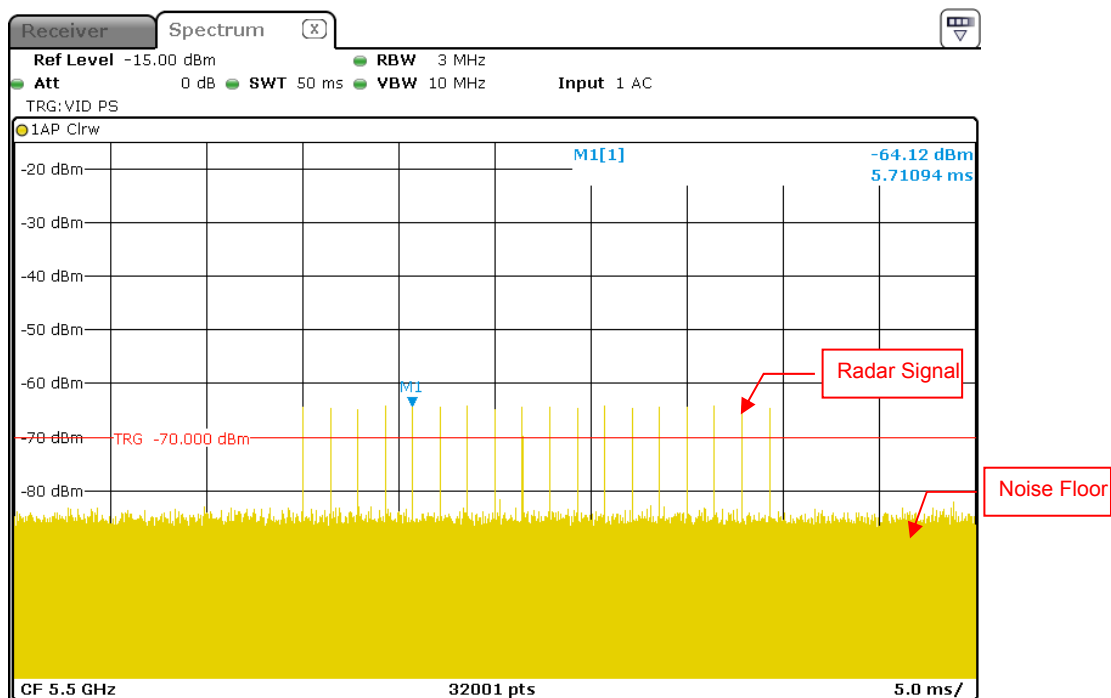
## 6.2 Test Results

### 6.2.1 Test Mode: Device Operating In Master Mode & Mesh mode

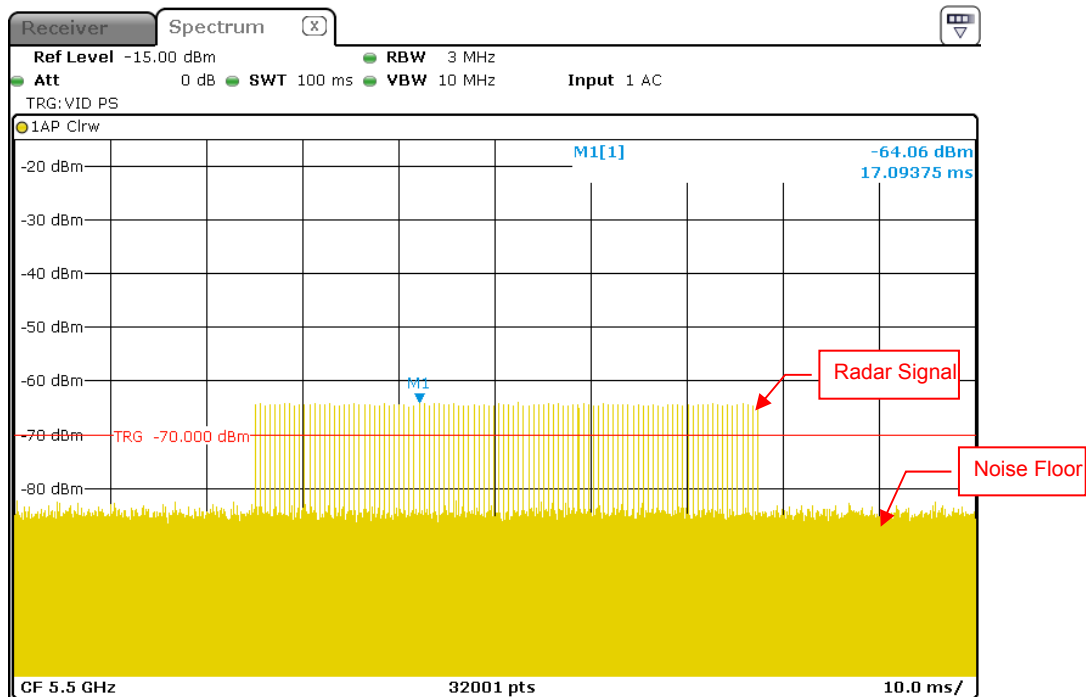
Master with injection at the Master. (Radar Test Waveforms are injected into the Master.)

#### DFS Detection Threshold

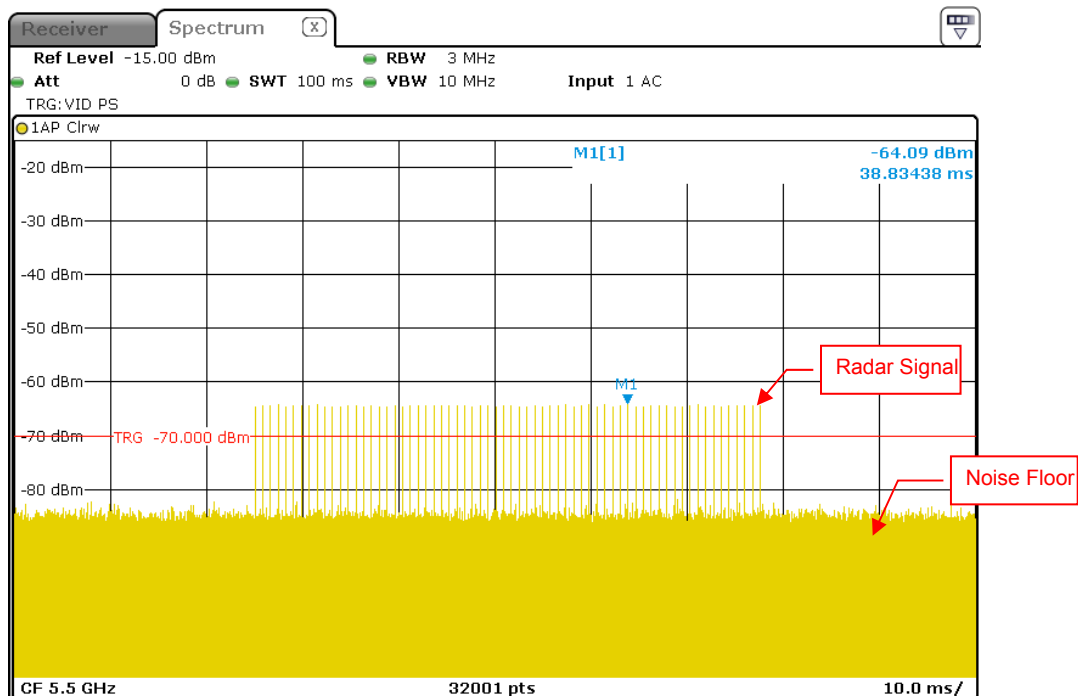
For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



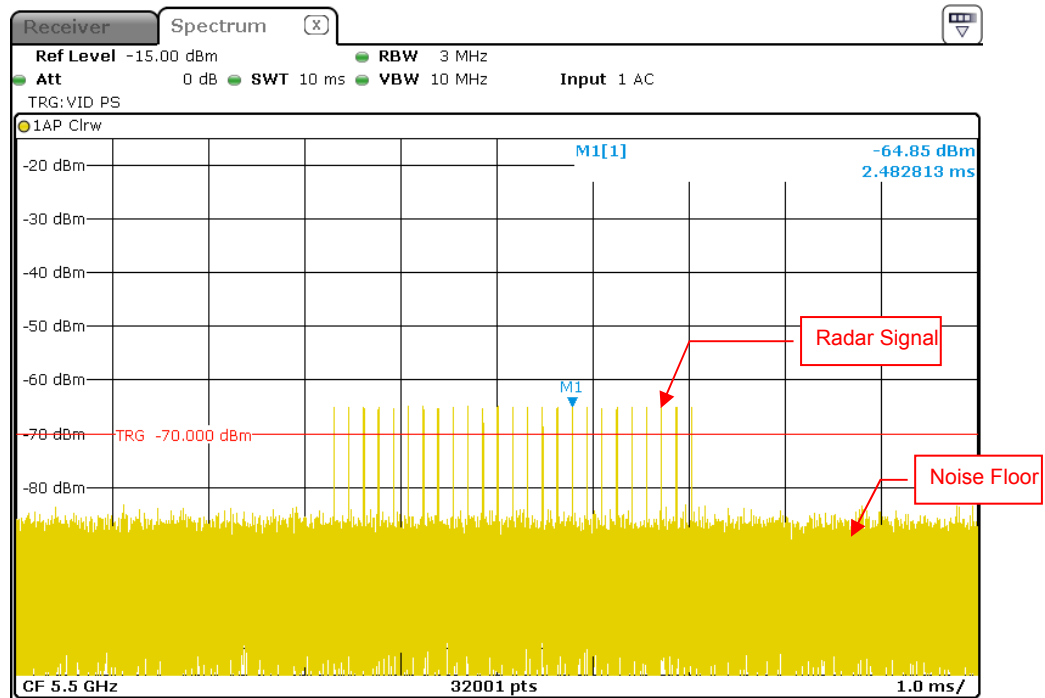
Radar Signal 0



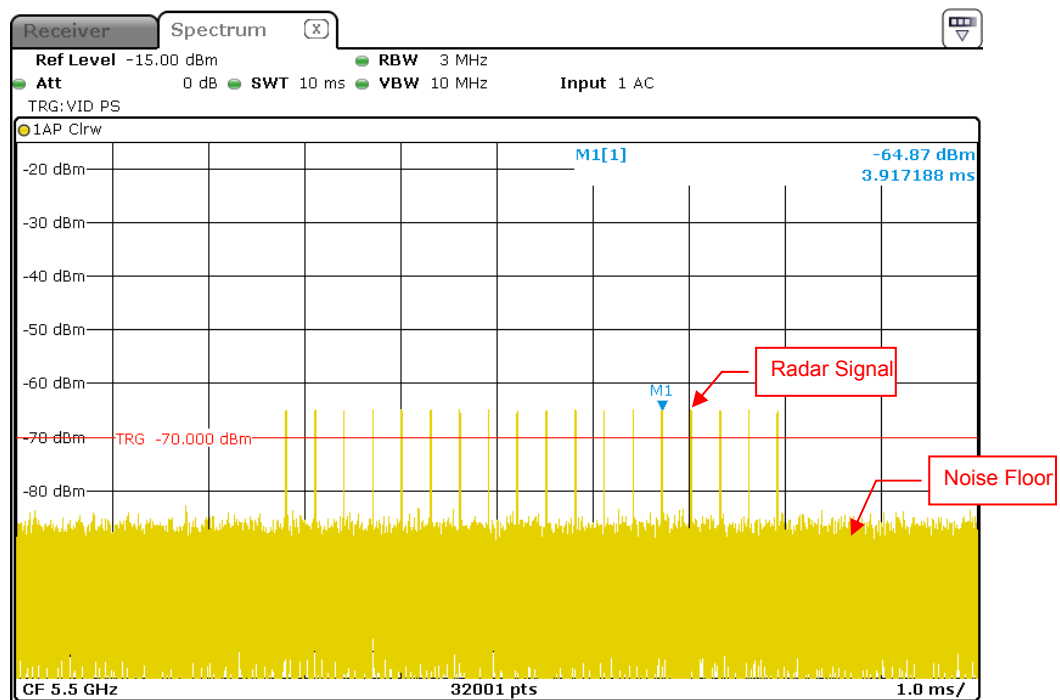
Radar Signal 1 (Test A)



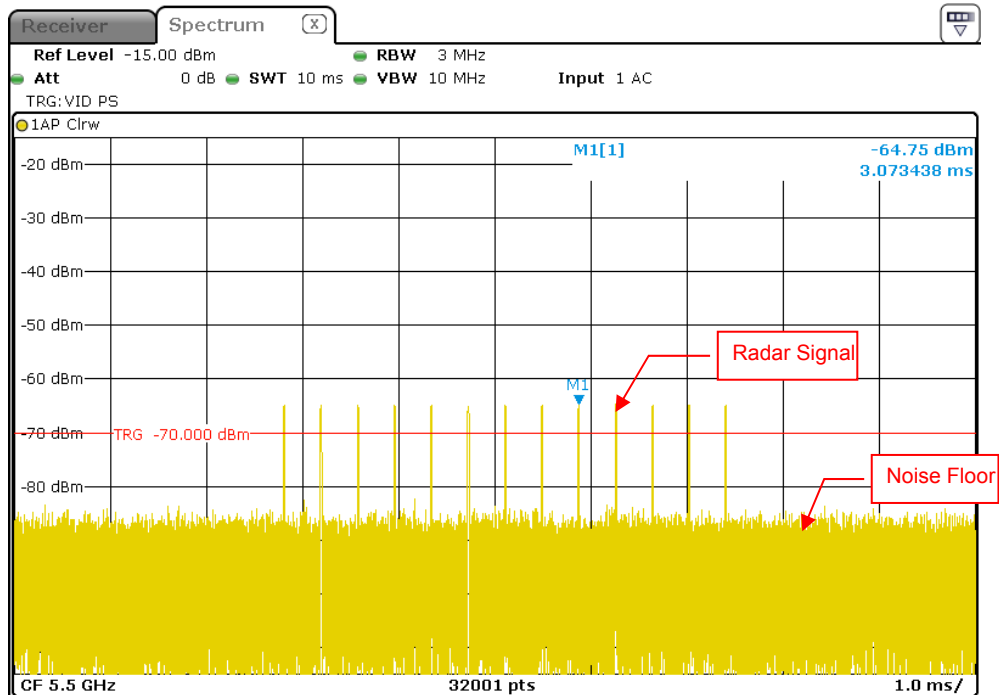
Radar Signal 1 (Test B)



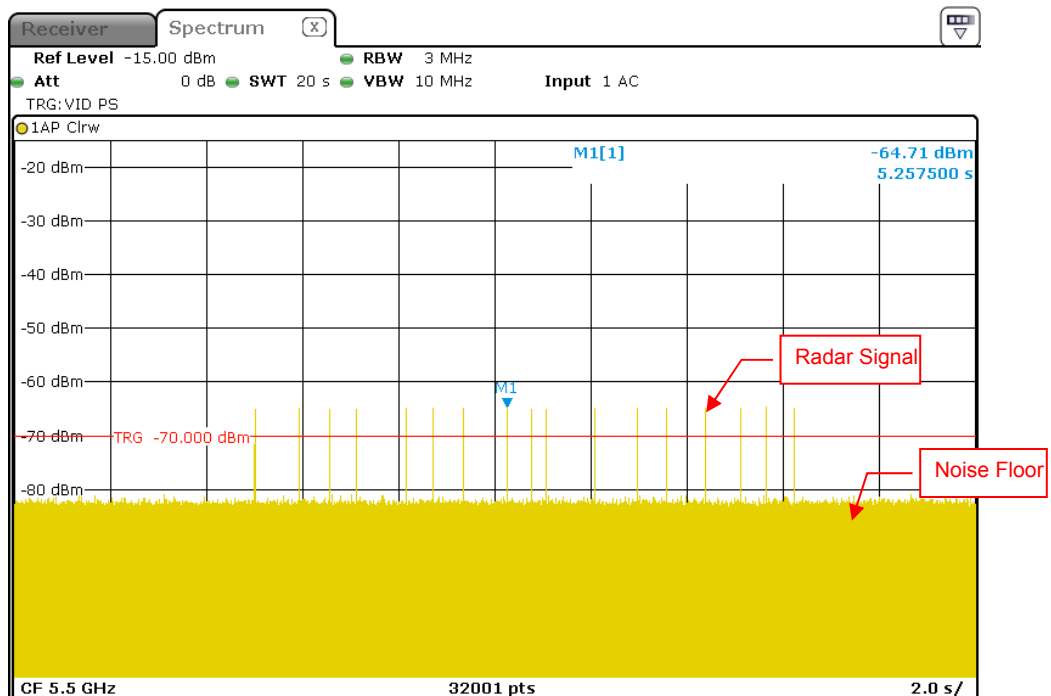
Radar Signal 2



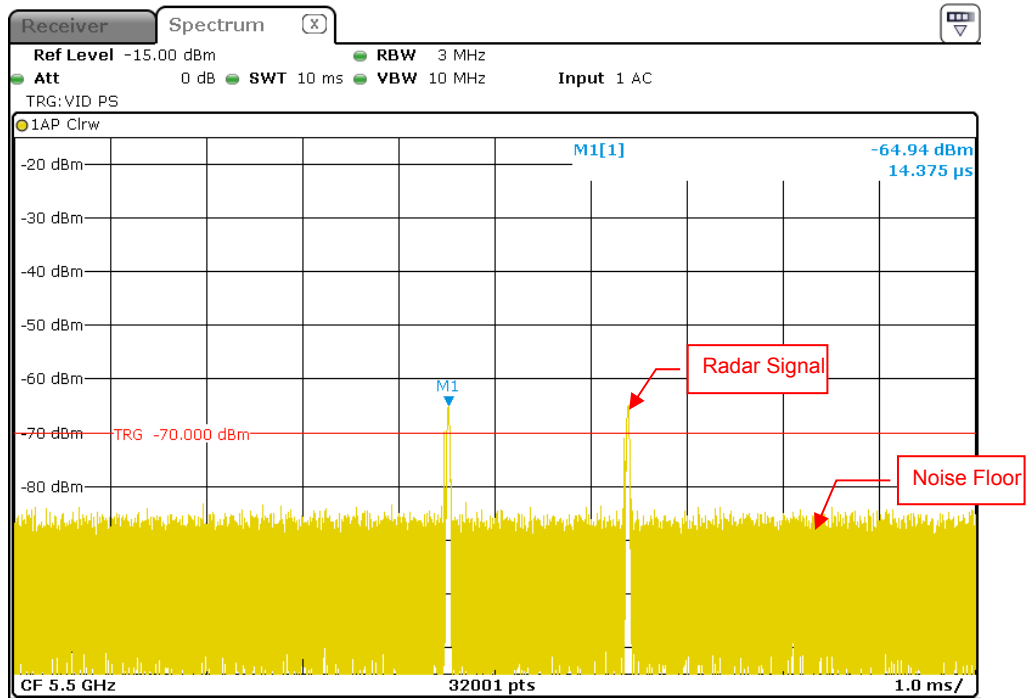
Radar Signal 3



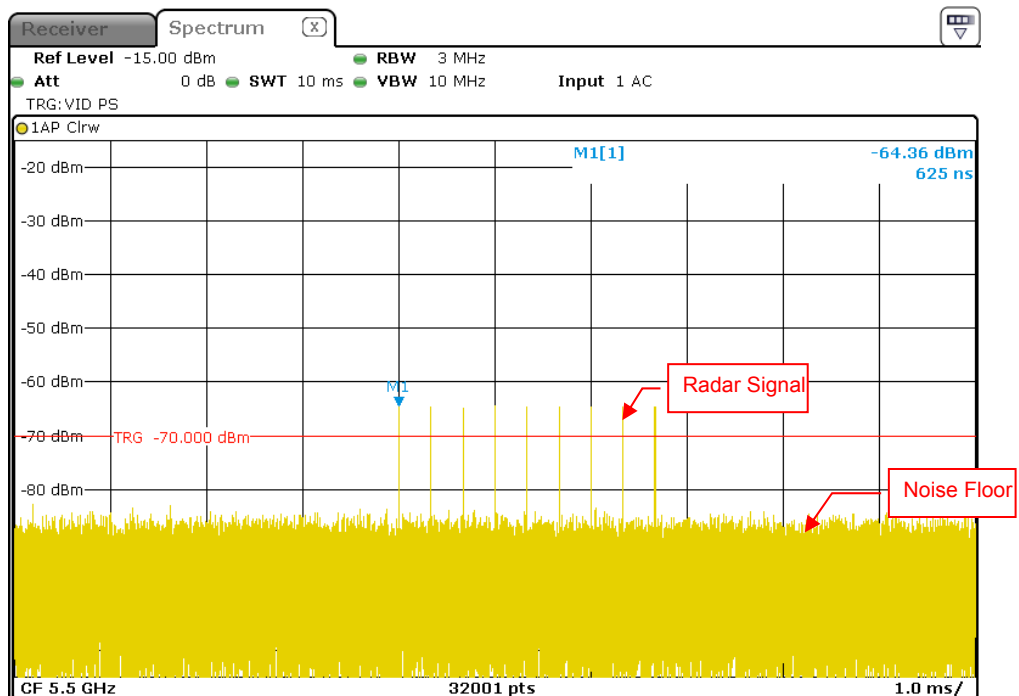
Radar Signal 4



Radar Signal 5



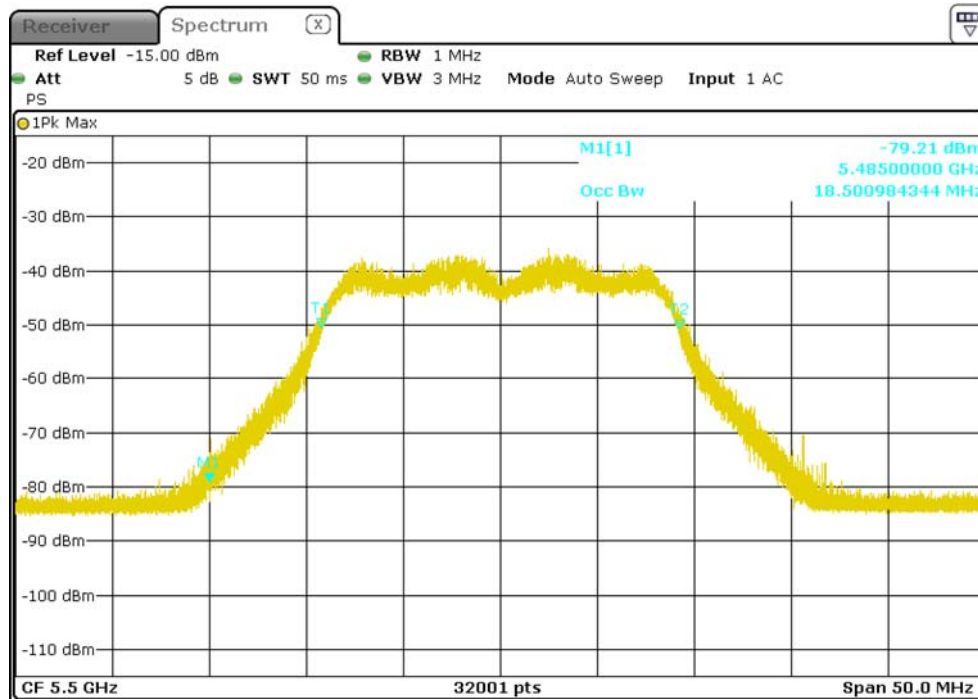
Single Burst of Radar Signal 5



Radar Signal 6

## 6.2.2 U-NII Detection Bandwidth

For Master mode  
IEEE 802.11n HT20



U-NII 99% Channel bandwidth

IEEE 802.11n HT40



U-NII 99% Channel bandwidth

## IEEE 802.11ac VHT80



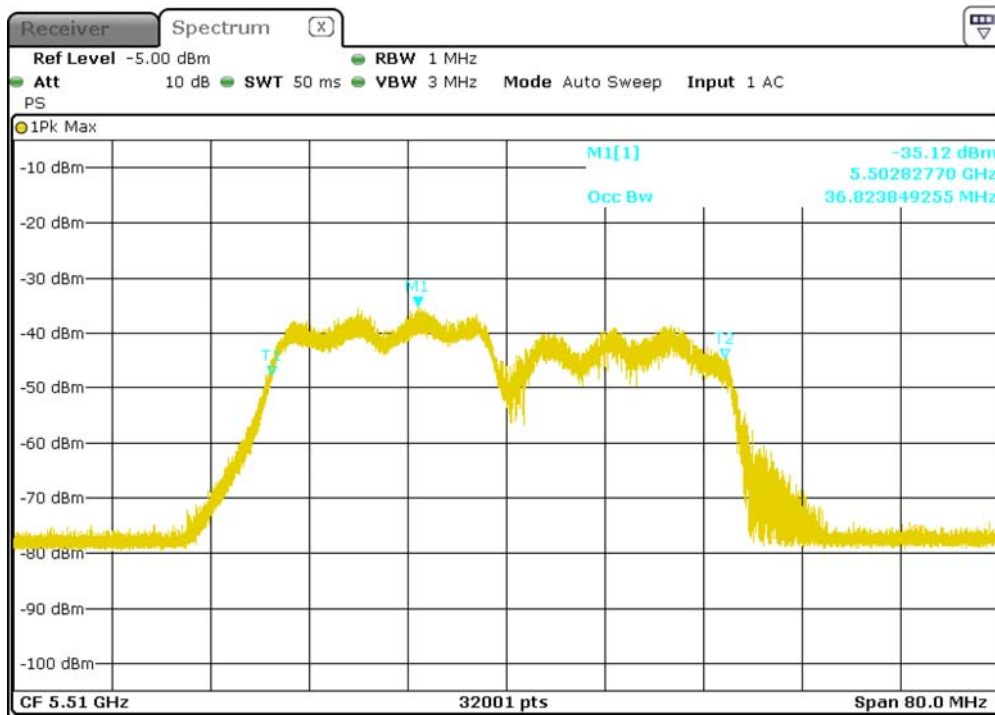
U-NII 99% Channel bandwidth

## For Mesh mode IEEE 802.11n HT20



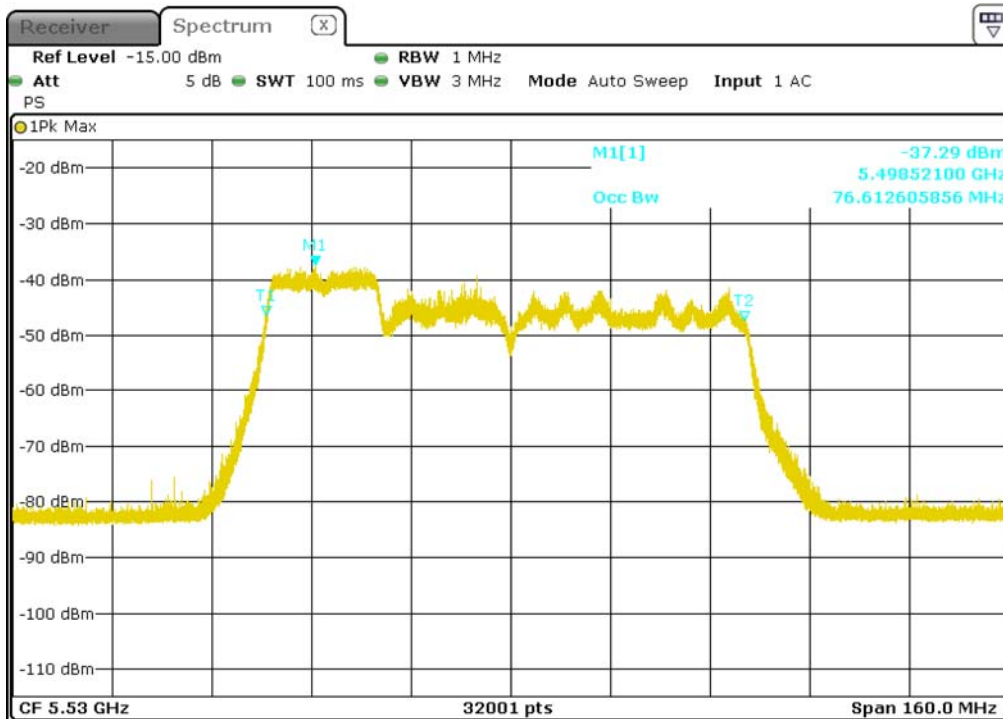
U-NII 99% Channel bandwidth

## IEEE 802.11n HT40



U-NII 99% Channel bandwidth

## IEEE 802.11ac VHT80



U-NII 99% Channel bandwidth

# For Master mode

## Detection Bandwidth Test - IEEE 802.11n HT20

Radar Type 0

EUT Frequency: 5500MHz

EUT 99% Power bandwidth: 18.5MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 18.5MHz

Detection bandwidth (5510(FH) – 5490(FL)) : 20MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |     |     |     |     |     |     |     |     |     | Detection Rate (%) |
|-----------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                             | 1                        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |                    |
| 5489                        | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |
| 5490 (FL)                   | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5491                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5492                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5493                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5494                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5495                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5496                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5497                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5498                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5499                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5500                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5501                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5502                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5503                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5504                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5505                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5506                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5507                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5508                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5509                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5510 (FH)                   | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5511                        | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |

# Detection Bandwidth Test - IEEE 802.11n HT40

Radar Type 0

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 36.76MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.76MHz

Detection bandwidth (5529(FH) – 5490(FL)) : 39MHz

Test Result : Pass

| Radar Frequency (MHz) | Trial Number / Detection |     |     |     |     |     |     |     |     |     | Detection Rate (%) |
|-----------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                       | 1                        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |                    |
| 5489                  | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |
| 5490 (FL)             | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5491                  | Yes                      | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 90.0               |
| 5492                  | Yes                      | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes | 90.0               |
| 5493                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5494                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5495                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5496                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5497                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5498                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5499                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5500                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5501                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5502                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5503                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5504                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | 90.0               |
| 5505                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5506                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5507                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5508                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5509                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5510                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5511                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5512                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5513                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5514                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5515                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5516                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5517                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5518                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5519                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5520                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5521                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5522                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5523                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5524                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5525                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5526                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5527                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5528                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5529 (FH)             | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5530                  | No                       | No  | No  | No  | Yes | No  | No  | No  | No  | No  | 10.0               |
| 5531                  | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |

# Detection Bandwidth Test - IEEE 802.11ac VHT80

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 76.58MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 76.58MHz

Detection bandwidth (5570(FH) – 5490(FL)) : 80MHz

Test Result : Pass

| Radar Frequency (MHz) | Trial Number / Detection |     |     |     |     |     |     |     |     |     | Detection Rate (%) |
|-----------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                       | 1                        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |                    |
| 5489                  | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |
| 5490 (FL)             | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5491                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5492                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5493                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5494                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5495                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5496                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5497                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5498                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5499                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5500                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5501                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5502                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5503                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5504                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5505                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5506                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5507                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5508                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5509                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5510                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5511                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5512                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5513                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5514                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5515                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5516                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5517                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5518                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5519                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5520                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5521                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5522                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5523                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5524                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5525                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5526                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5527                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5528                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5529                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5530                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5531                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5532                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |

|           |     |     |     |     |     |     |     |     |     |     |       |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 5533      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5534      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5535      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5536      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5537      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5538      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5539      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5540      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5541      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5542      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5543      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5544      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5545      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5546      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5547      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5548      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5549      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5550      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5551      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5552      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5553      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5554      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5555      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5556      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5557      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5558      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5559      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5560      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5561      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5562      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5563      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5564      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5565      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5566      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5567      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5568      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5569      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5570 (FH) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5571      | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0   |

### For Mesh mode

#### Detection Bandwidth Test - IEEE 802.11n HT20

Radar Type 0

EUT Frequency: 5500MHz

EUT 99% Power bandwidth: 17.71MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 17.71MHz

Detection bandwidth (5510(FH) – 5490(FL)) : 20MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |     |     |     |     |     |     |     |     |     | Detection Rate (%) |
|-----------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                             | 1                        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |                    |
| 5489                        | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |
| 5490 (FL)                   | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5491                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5492                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5493                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5494                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5495                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5496                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5497                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5498                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5499                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5500                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5501                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5502                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5503                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5504                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5505                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5506                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5507                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5508                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5509                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5510 (FH)                   | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5511                        | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |

# Detection Bandwidth Test - IEEE 802.11n HT40

Radar Type 0

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 36.82MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.82MHz

Detection bandwidth (5530(FH) – 5490(FL)) : 40MHz

Test Result : Pass

| Radar Frequency (MHz) | Trial Number / Detection |     |     |     |     |     |     |     |     |     | Detection Rate (%) |
|-----------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                       | 1                        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |                    |
| 5489                  | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |
| 5490 (FL)             | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5491                  | Yes                      | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 90.0               |
| 5492                  | Yes                      | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes | 90.0               |
| 5493                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5494                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5495                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5496                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5497                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5498                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5499                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5500                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5501                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5502                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5503                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5504                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | 90.0               |
| 5505                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5506                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5507                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5508                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5509                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5510                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5511                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5512                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5513                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5514                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5515                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5516                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5517                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5518                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5519                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5520                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5521                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5522                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5523                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5524                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5525                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5526                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5527                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5528                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5529                  | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5530 (FH)             | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5531                  | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |

# Detection Bandwidth Test - IEEE 802.11ac VHT80

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 76.61MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 76.61MHz

Detection bandwidth (5570(FH) – 5490(FL)) : 80MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |     |     |     |     |     |     |     |     |     | Detection Rate (%) |
|-----------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                             | 1                        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |                    |
| 5489                        | No                       | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0                |
| 5490 (FL)                   | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5491                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5492                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5493                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5494                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5495                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5496                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5497                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5498                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5499                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5500                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5501                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5502                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5503                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5504                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5505                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5506                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5507                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5508                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5509                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5510                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5511                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5512                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5513                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5514                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5515                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5516                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5517                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5518                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5519                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5520                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5521                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5522                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5523                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5524                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5525                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5526                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5527                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5528                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5529                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5530                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5531                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |
| 5532                        | Yes                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0              |

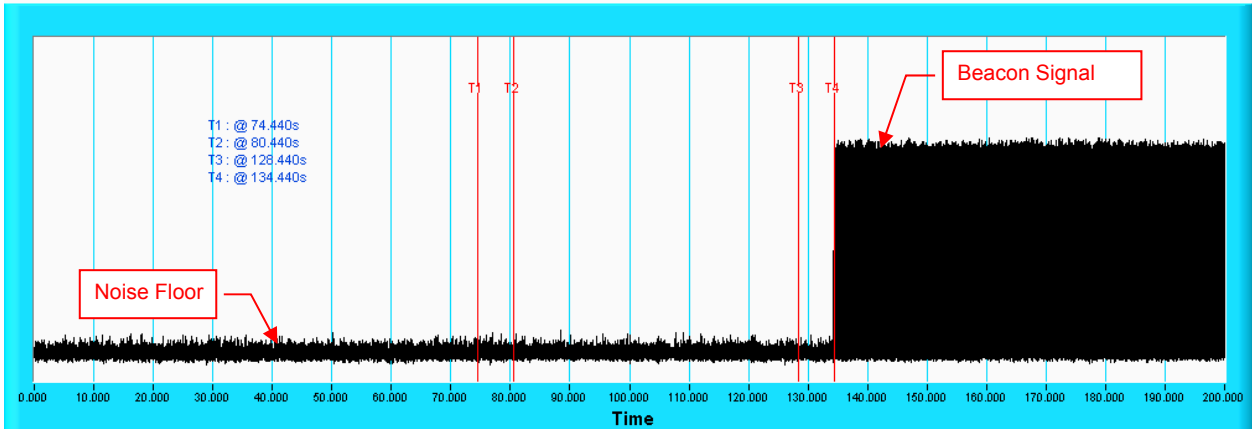
|           |     |     |     |     |     |     |     |     |     |     |       |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 5533      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5534      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5535      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5536      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5537      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5538      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5539      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5540      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5541      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5542      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5543      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5544      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5545      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5546      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5547      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5548      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5549      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5550      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5551      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5552      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5553      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5554      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5555      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5556      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5557      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5558      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5559      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5560      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5561      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5562      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5563      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5564      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5565      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5566      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5567      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5568      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5569      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5570 (FH) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | 100.0 |
| 5571      | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | 0.0   |

### 6.1.1 Channel Availability Check Time

If the EUT successfully detected the radar burst, it should be observed as the EUT has no transmissions occurred until the EUT starts transmitting on another channel.

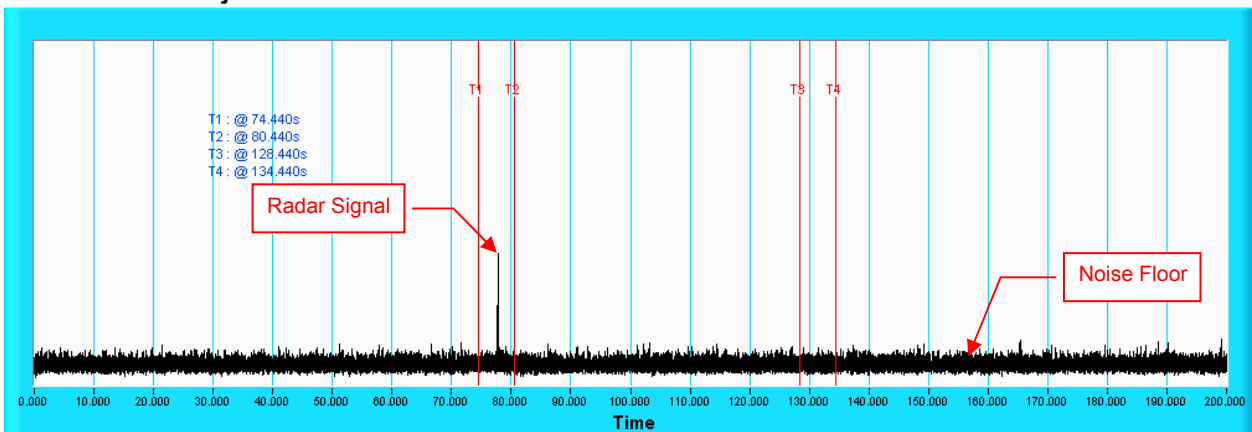
| Timing of Radar Signal | Observation |                   |
|------------------------|-------------|-------------------|
|                        | EUT         | Spectrum Analyzer |
| Within 1 to 6 second   | Detected    | No transmissions  |
| Within 54 to 60 second | Detected    | No transmissions  |

# For Master mode Initial Channel Availability Check Time Channel Availability Check



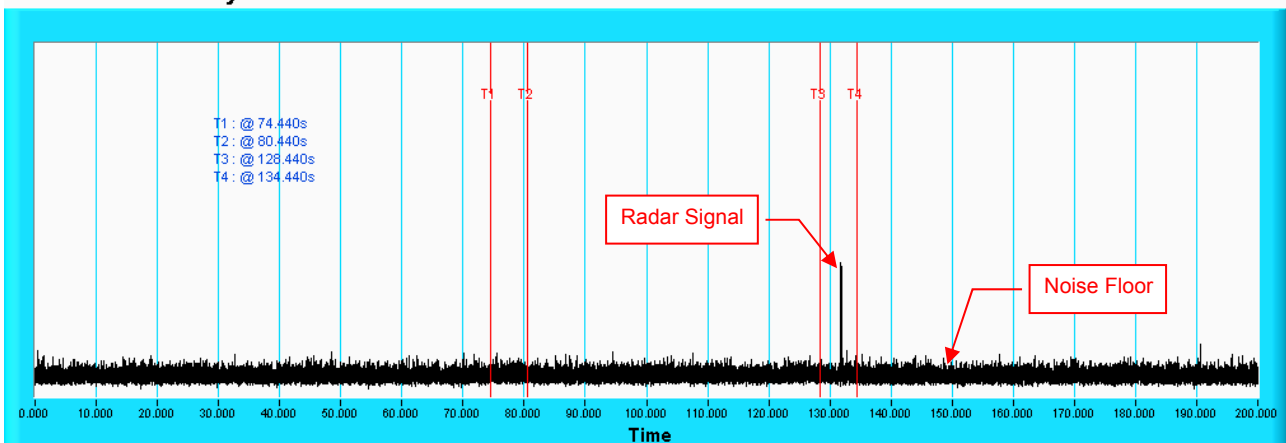
Note: T1 denotes the end of power-up time period is 74.44<sup>th</sup> second. T4 denotes the end of Channel Availability Check time is 134.44<sup>th</sup> second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

## Radar Burst at the Beginning of the Channel Availability Check Time Channel Availability Check



Note: T1 denotes the end of power up time period is 74.44<sup>th</sup> second. T2 denotes 80.44<sup>th</sup> second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 134.44<sup>th</sup> second.

## Radar Burst at the End of the Channel Availability Check Time Channel Availability Check

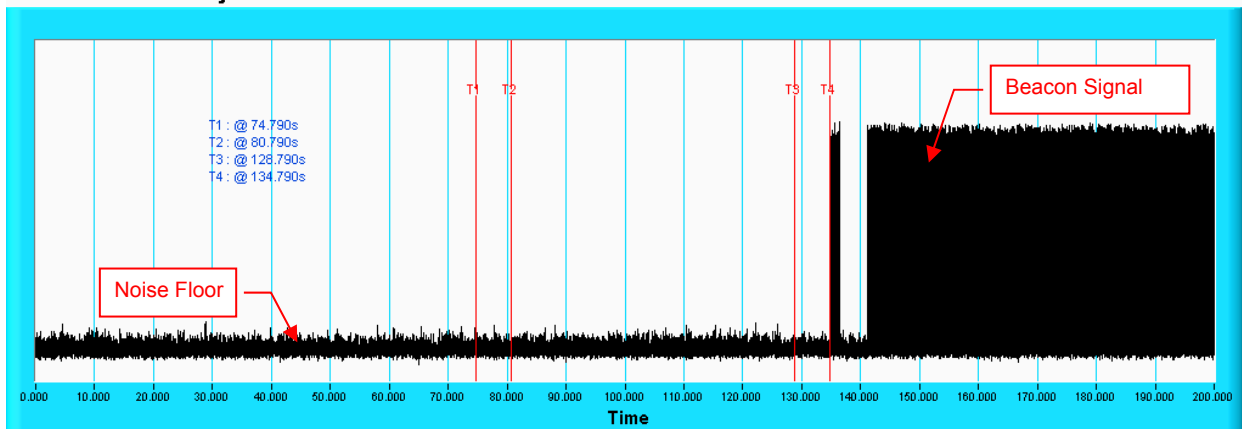


Note: T1 denotes the end of power up time period is 74.44<sup>th</sup> second. T3 denotes 128.44<sup>th</sup> second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 134.44<sup>th</sup> second.

## For Mesh mode

### Initial Channel Availability Check Time

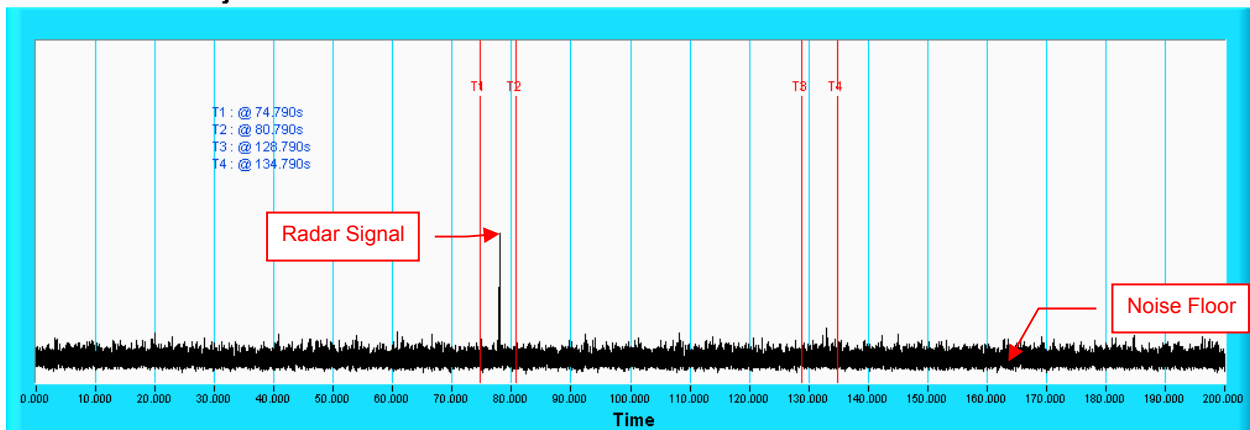
#### Channel Availability Check



Nte: T1 denotes the end of power-up time period is 74.79<sup>th</sup> second. T4 denotes the end of Channel Availability Check time is 134.79<sup>th</sup> second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

#### Radar Burst at the Beginning of the Channel Availability Check Time

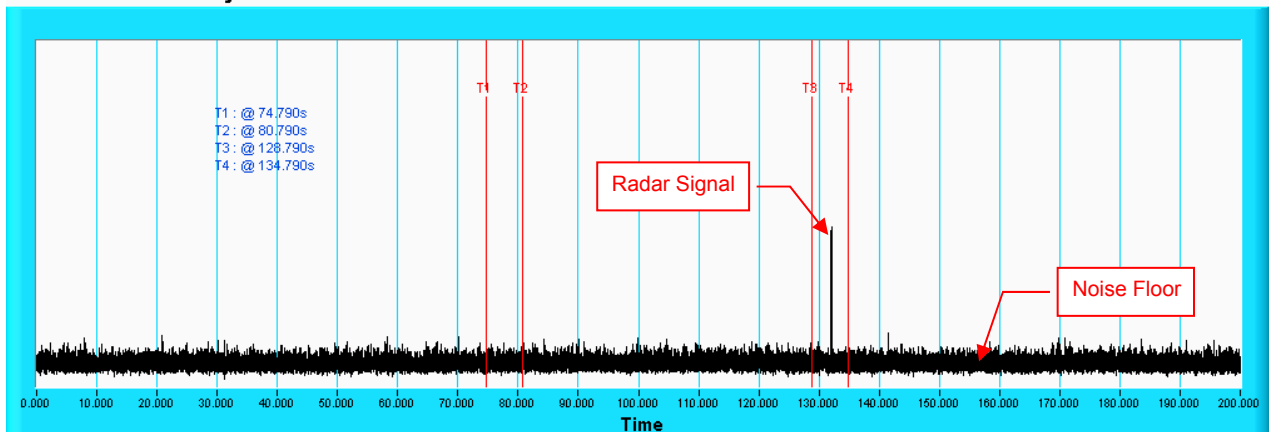
#### Channel Availability Check



Nte: T1 denotes the end of power up time period is 74.79<sup>th</sup> second. T2 denotes 80.79<sup>th</sup> second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 134.79<sup>th</sup> second.

#### Radar Burst at the End of the Channel Availability Check Time

#### Channel Availability Check



Nte: T1 denotes the end of power up time period is 74.79<sup>th</sup> second. T3 denotes 128.79<sup>th</sup> second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 134.79<sup>th</sup> second.

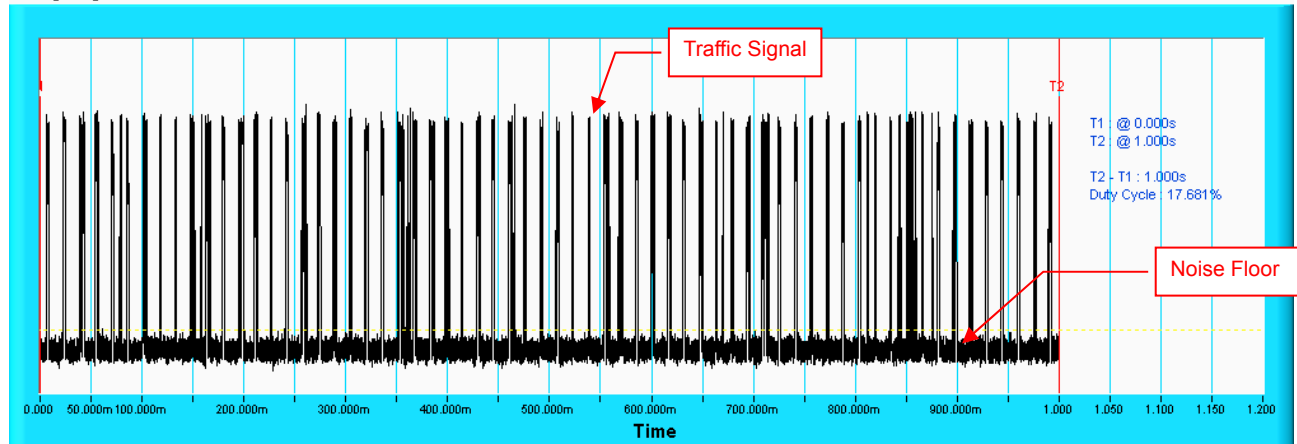
## 6.1.2 Channel Closing Transmission and Channel Move Time

### Wireless Traffic Loading

For Master mode

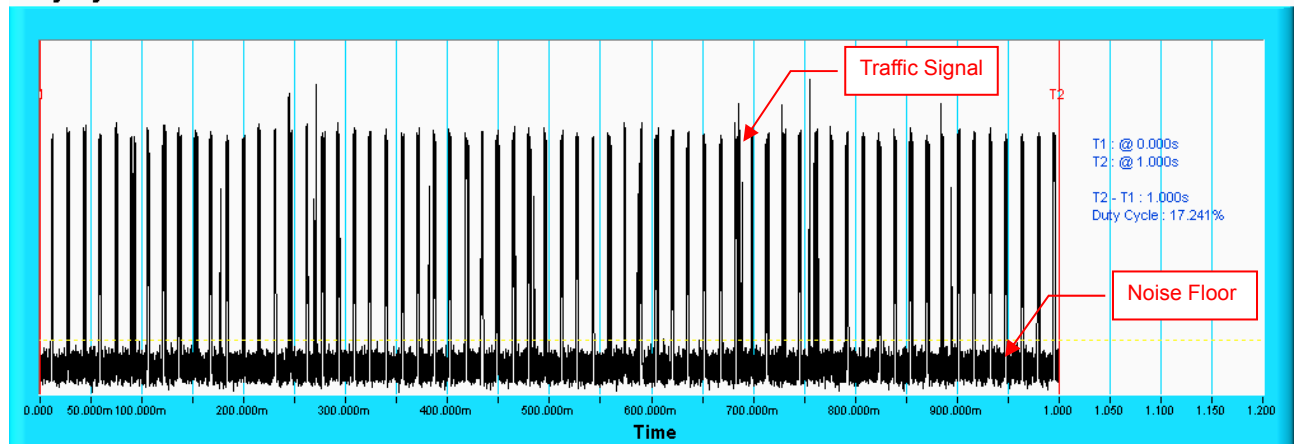
IEEE 802.11n HT20

Duty Cycle



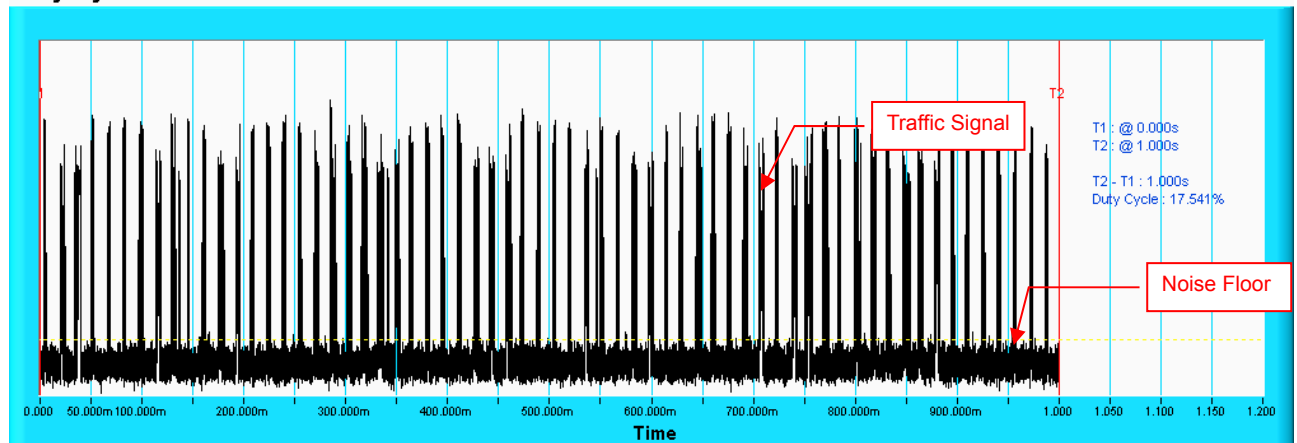
IEEE 802.11n HT40

Duty Cycle

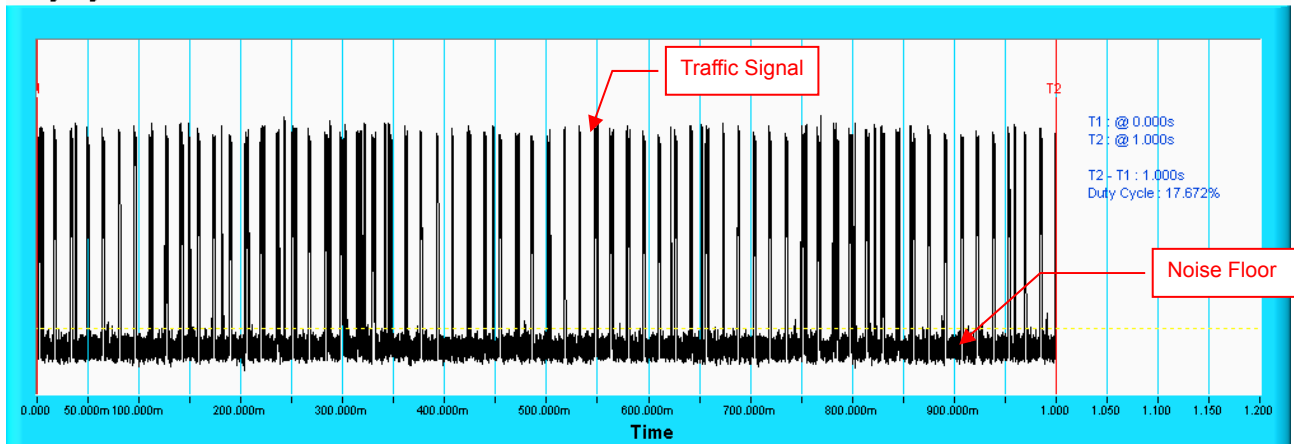


IEEE 802.11ac VHT80

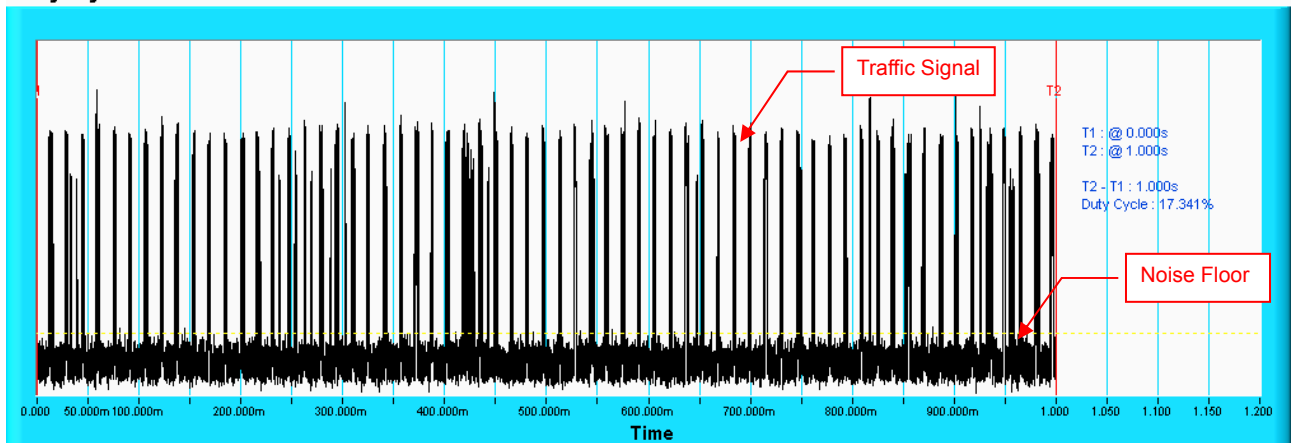
Duty Cycle



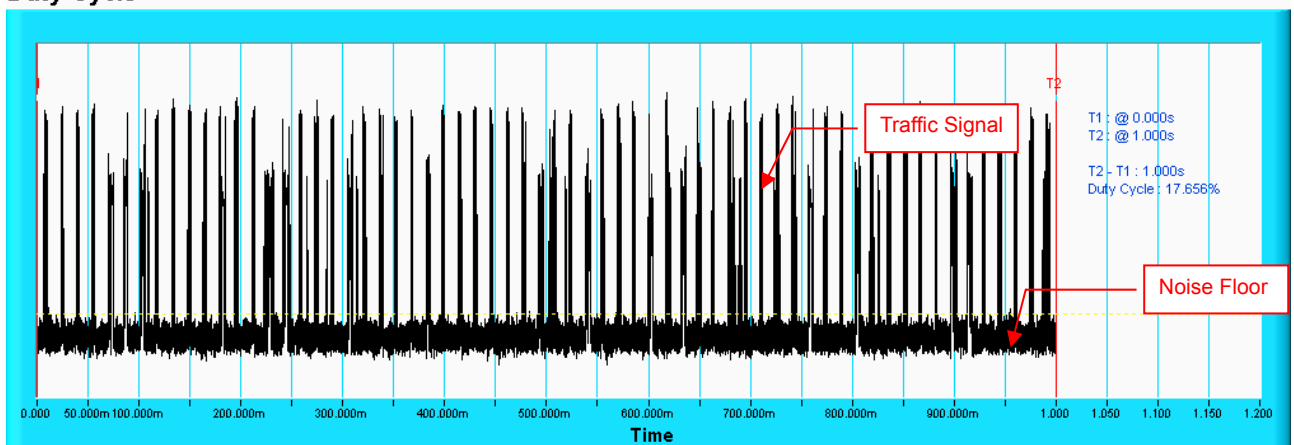
**For Mesh mode**  
**IEEE 802.11n HT20**  
**Duty Cycle**



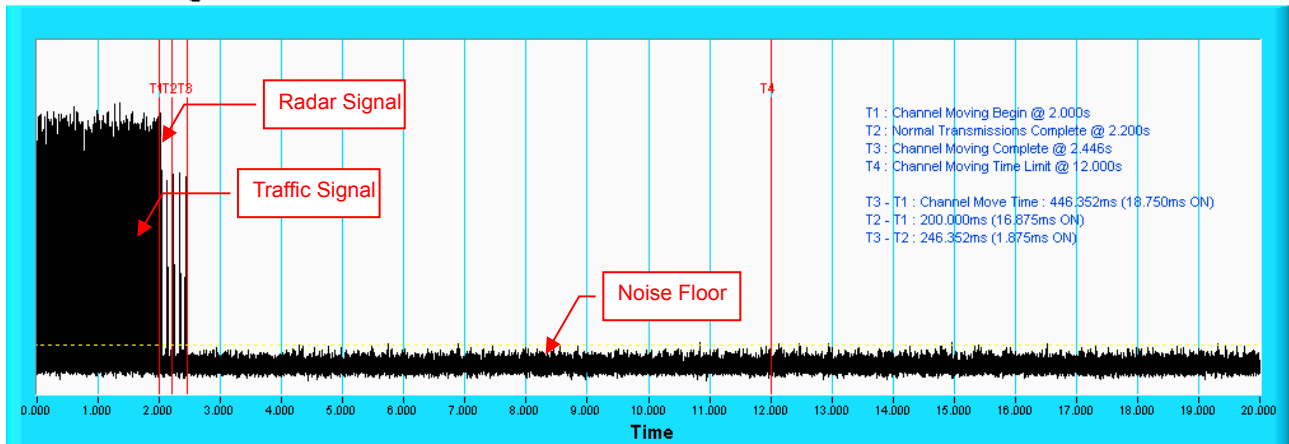
**IEEE 802.11n HT40**  
**Duty Cycle**



**IEEE 802.11ac VHT80**  
**Duty Cycle**

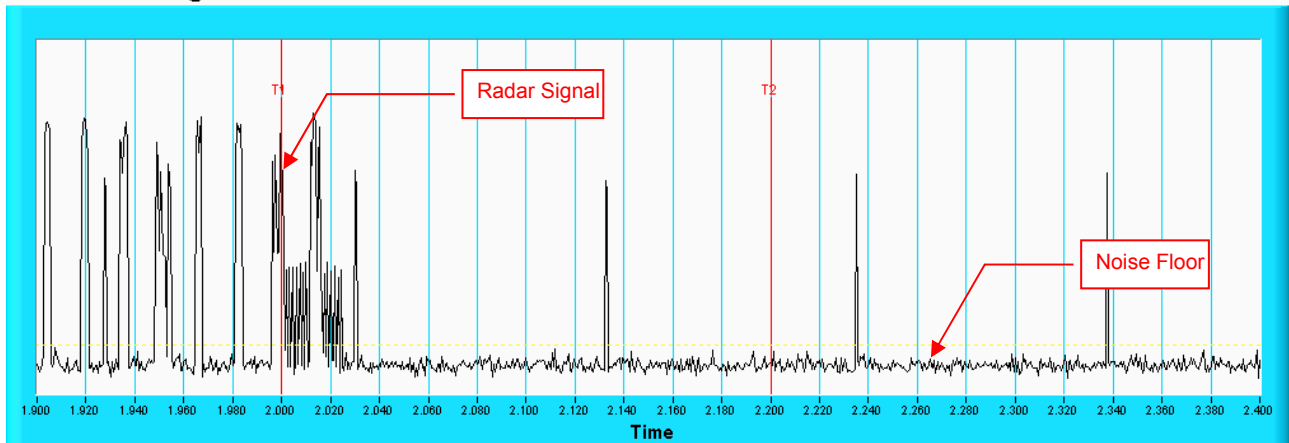


**For Master mode**  
**Radar signal 0**  
**IEEE 802.11ac VHT80**  
**Channel Closing Transmission Time & Channel Move Time**



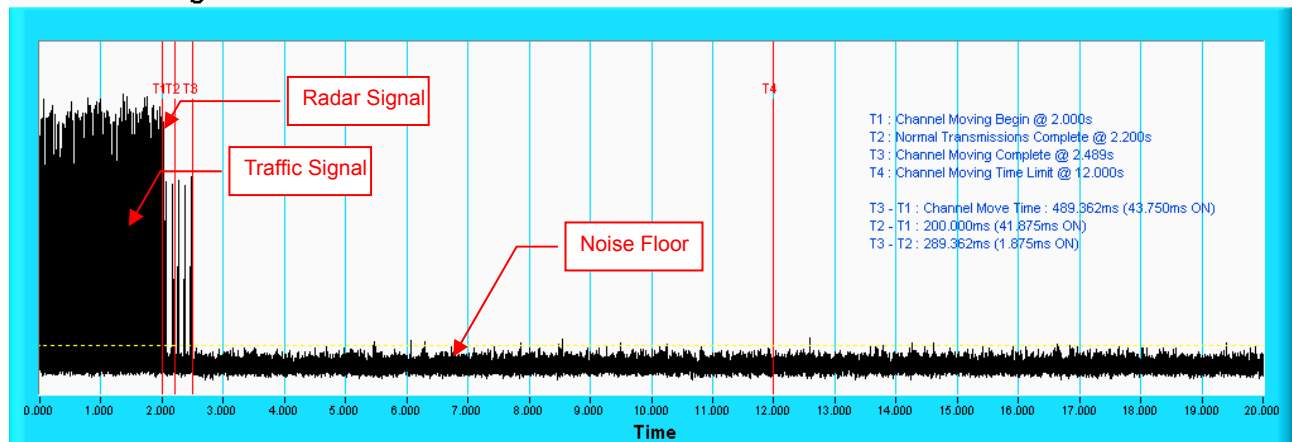
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

**Channel Closing Transmission Time & Channel Move Time**



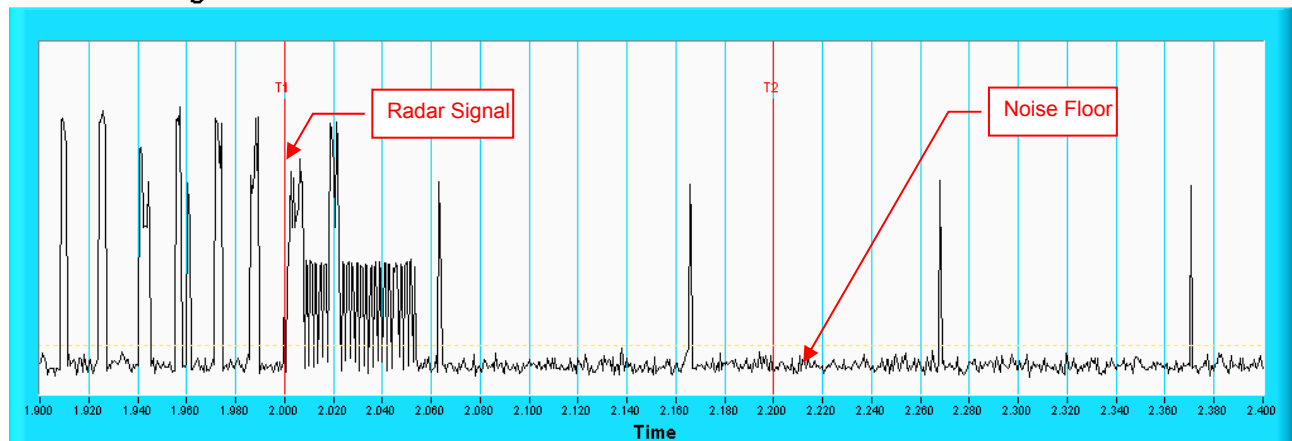
Note: Zoom-in of the first 500ms after radar signal applied.

# **Radar signal 1** **IEEE 802.11ac VHT80** **Channel Closing Transmission Time & Channel Move Time**



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## **Channel Closing Transmission Time & Channel Move Time**

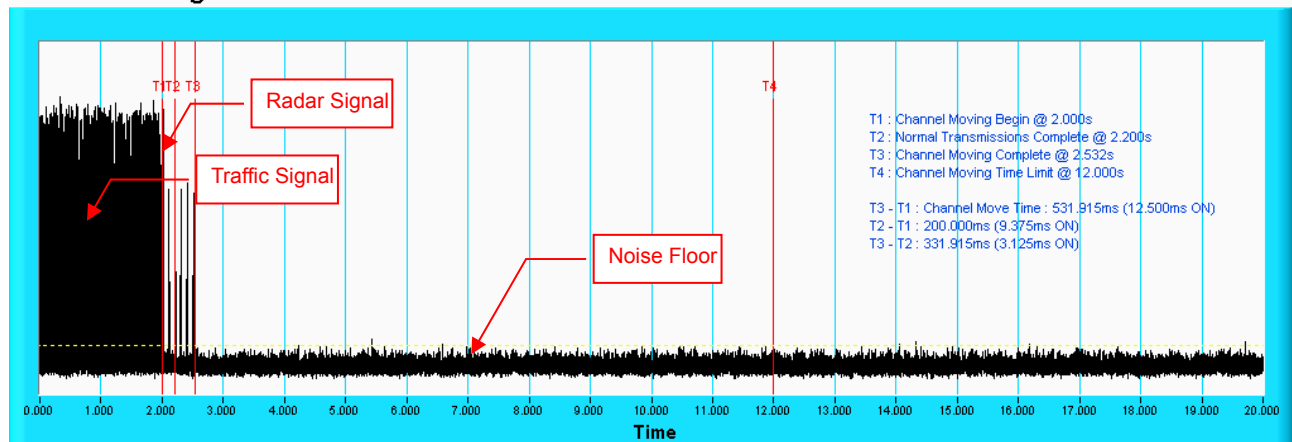


Note: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

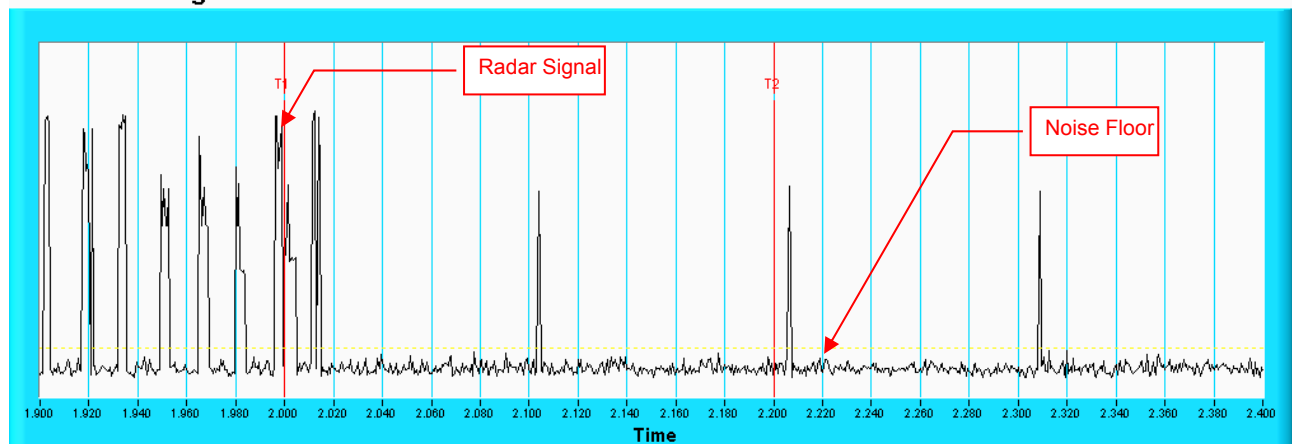
### IEEE 802.11ac VHT80

#### Channel Closing Transmission Time & Channel Move Time



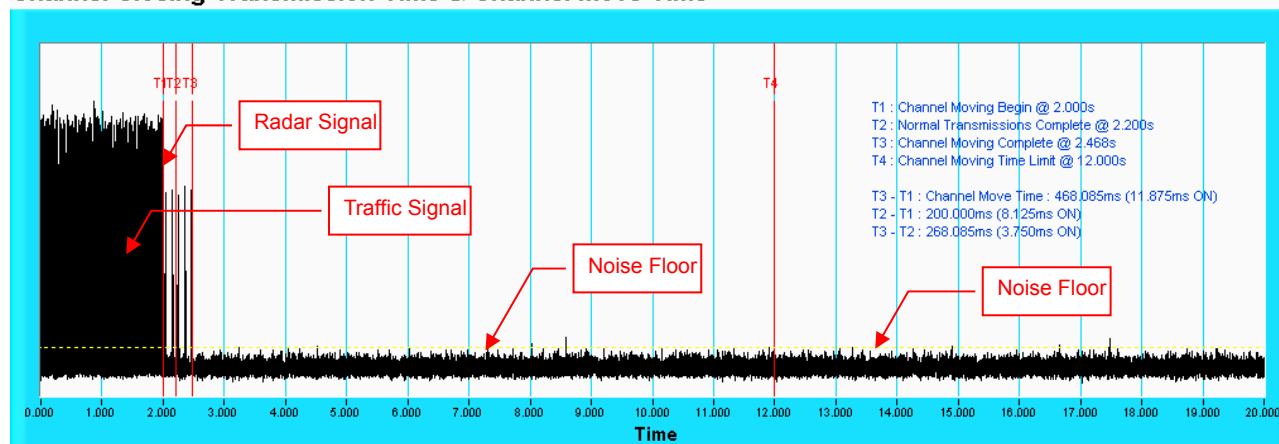
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

#### Channel Closing Transmission Time & Channel Move Time



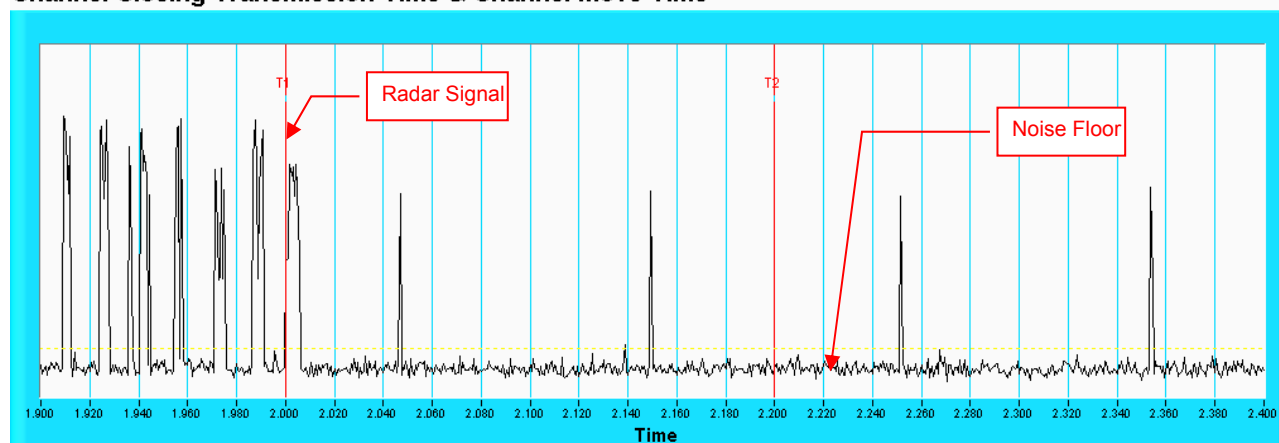
Note: Zoom-in of the first 500ms after radar signal applied.

### Radar signal 3 IEEE 802.11ac VHT80 Channel Closing Transmission Time & Channel Move Time



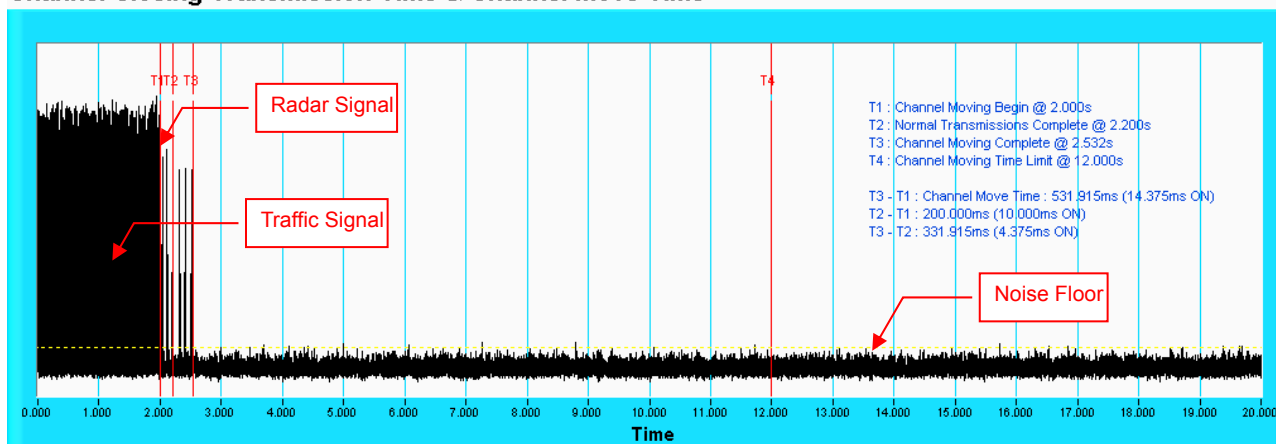
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



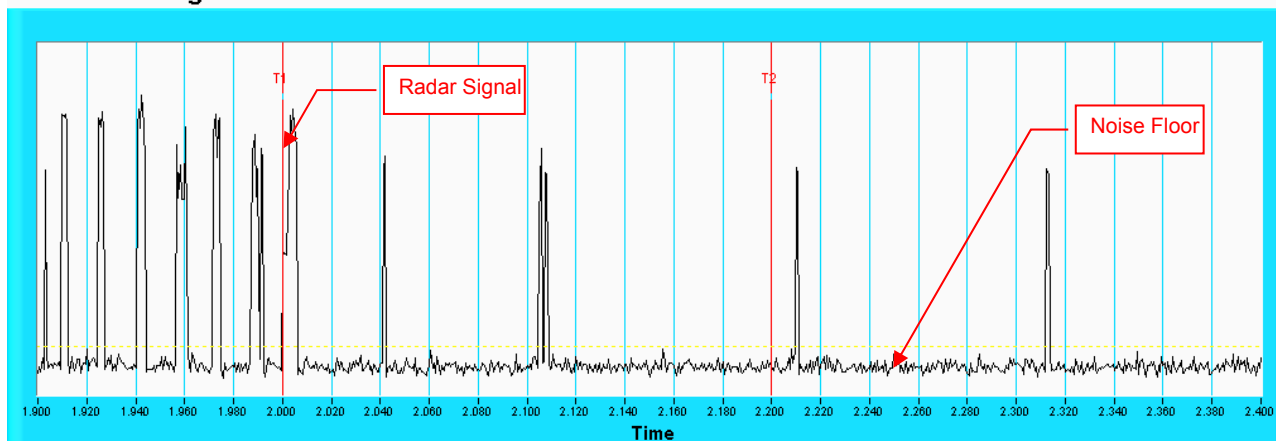
Note: Room-in of the first 500ms after radar signal applied.

# **Radar signal 4** **IEEE 802.11ac VHT80** **Channel Closing Transmission Time & Channel Move Time**



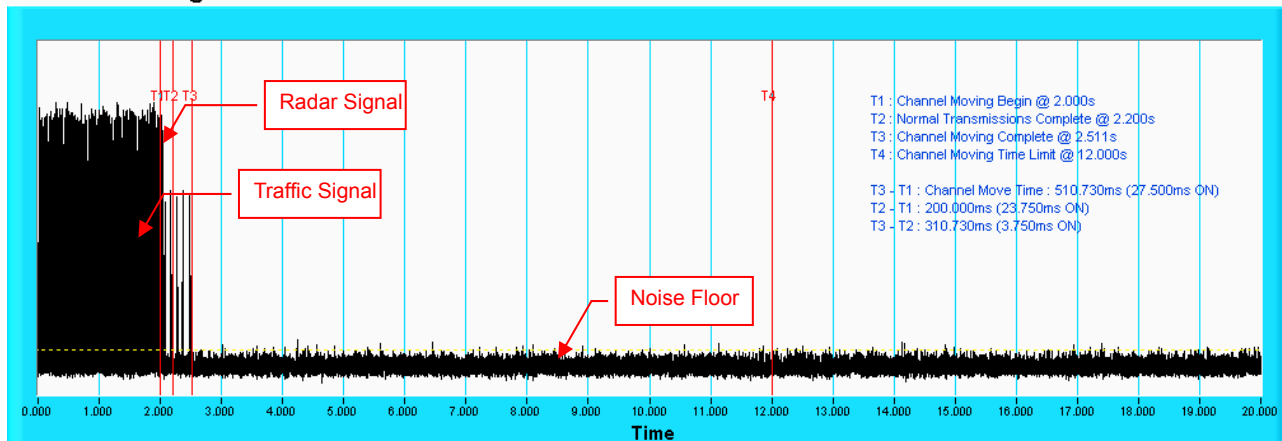
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## **Channel Closing Transmission Time & Channel Move Time**



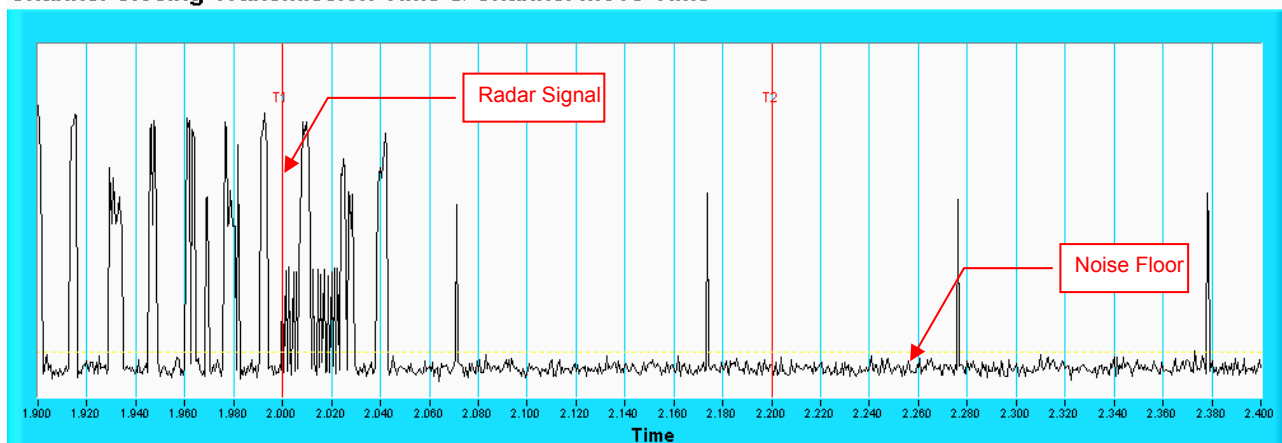
Note: Room-in of the first 500ms after radar signal applied.

**For Mesh mode  
Radar signal 0  
IEEE 802.11ac VHT80  
Channel Closing Transmission Time & Channel Move Time**



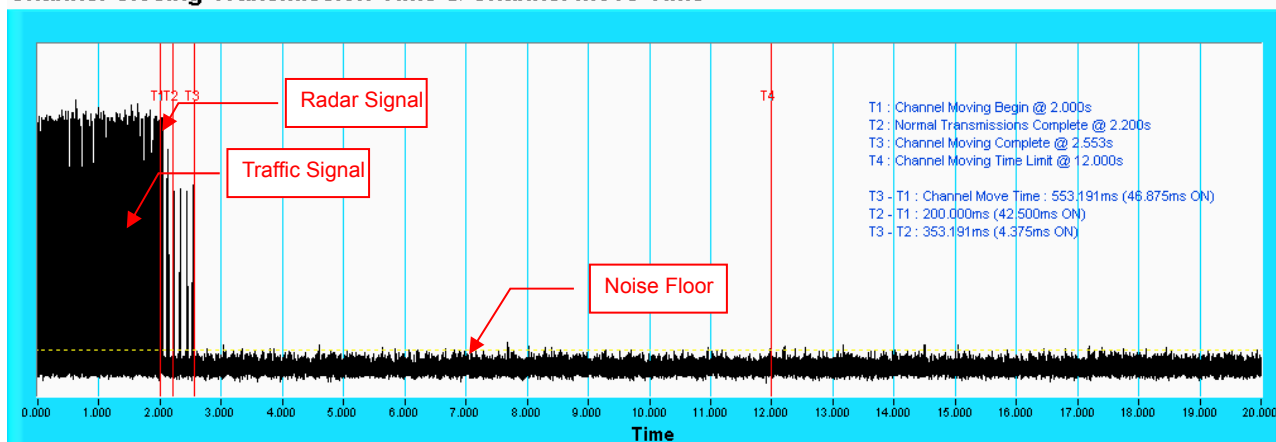
Nte: T1 deNtes the start of Channel Move Time upon the end of the last Radar burst. T2 deNtes the data transmission time of 200ms from T1. T3 deNtes the end of Channel Move Time. T4 deNtes the 10 second from T1 to observe the aggregate duration of transmissions.

**Channel Closing Transmission Time & Channel Move Time**



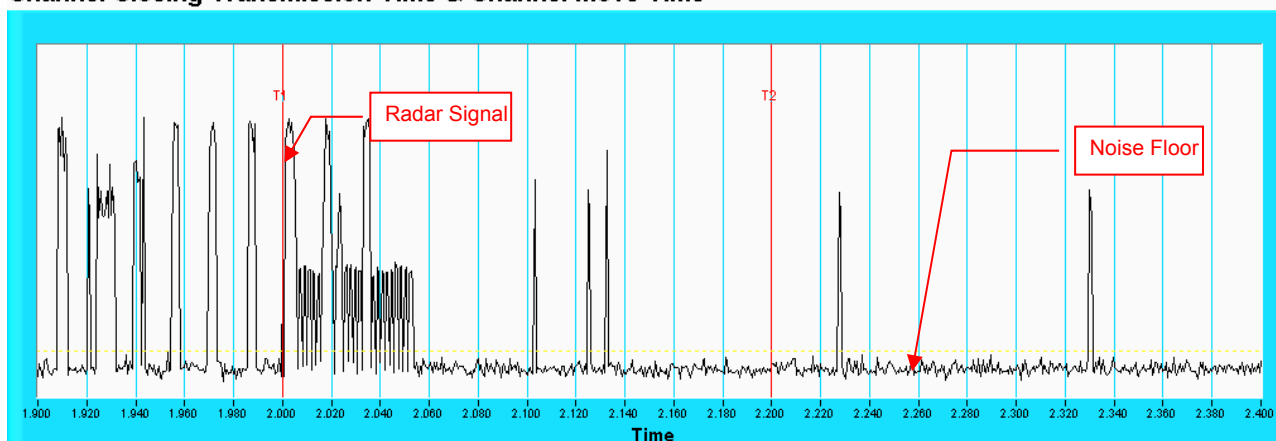
Nte: Zoom-in of the first 500ms after radar signal applied.

# **Radar signal 1** **IEEE 802.11ac VHT80** **Channel Closing Transmission Time & Channel Move Time**



Nte: T1 deNtes the start of Channel Move Time upon the end of the last Radar burst. T2 deNtes the data transmission time of 200ms from T1. T3 deNtes the end of Channel Move Time. T4 deNtes the 10 second from T1 to observe the aggregate duration of transmissions.

## **Channel Closing Transmission Time & Channel Move Time**

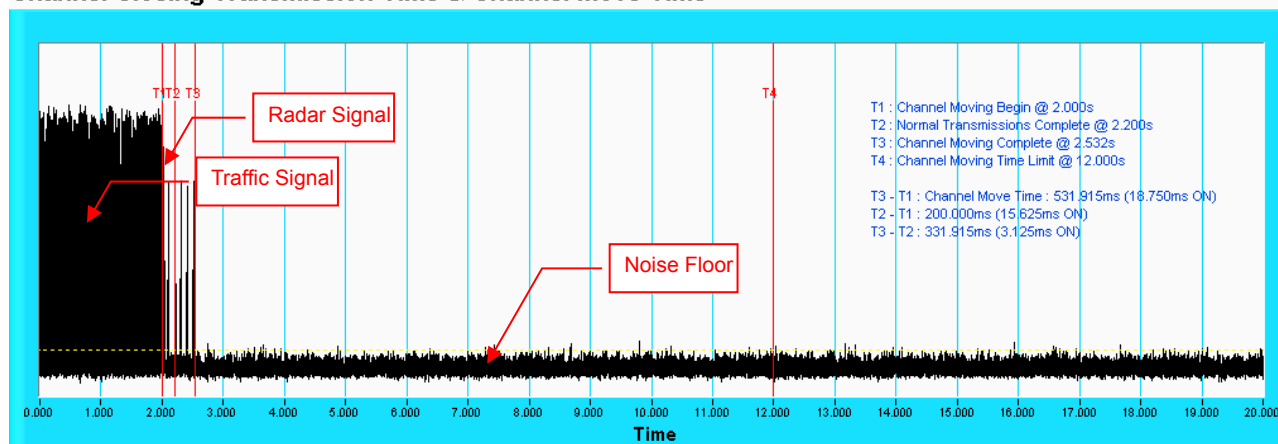


Nte: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

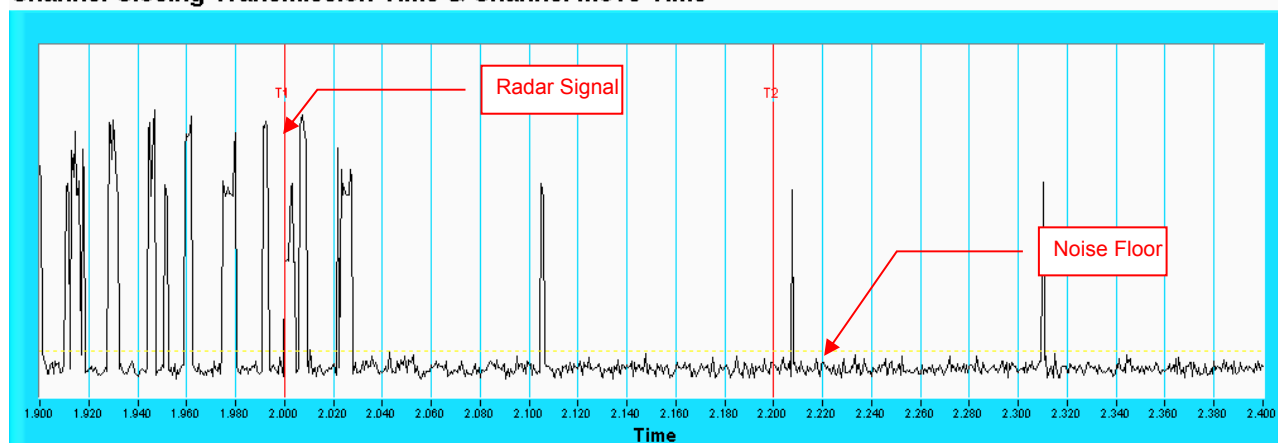
### IEEE 802.11ac VHT80

#### Channel Closing Transmission Time & Channel Move Time



Nte: T1 deNtes the start of Channel Move Time upon the end of the last Radar burst. T2 deNtes the data transmission time of 200ms from T1. T3 deNtes the end of Channel Move Time. T4 deNtes the 10 second from T1 to observe the aggregate duration of transmissions.

#### Channel Closing Transmission Time & Channel Move Time

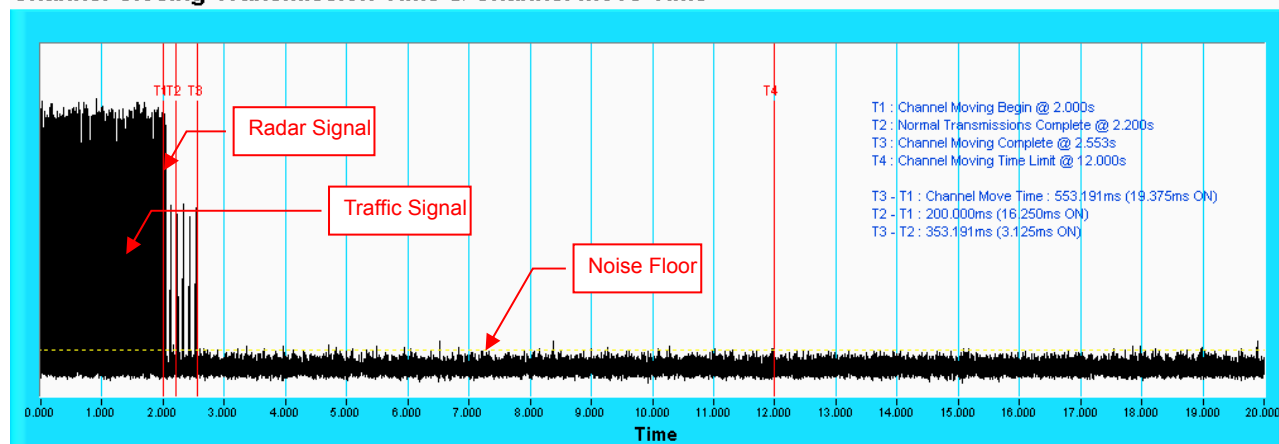


Nte: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 3

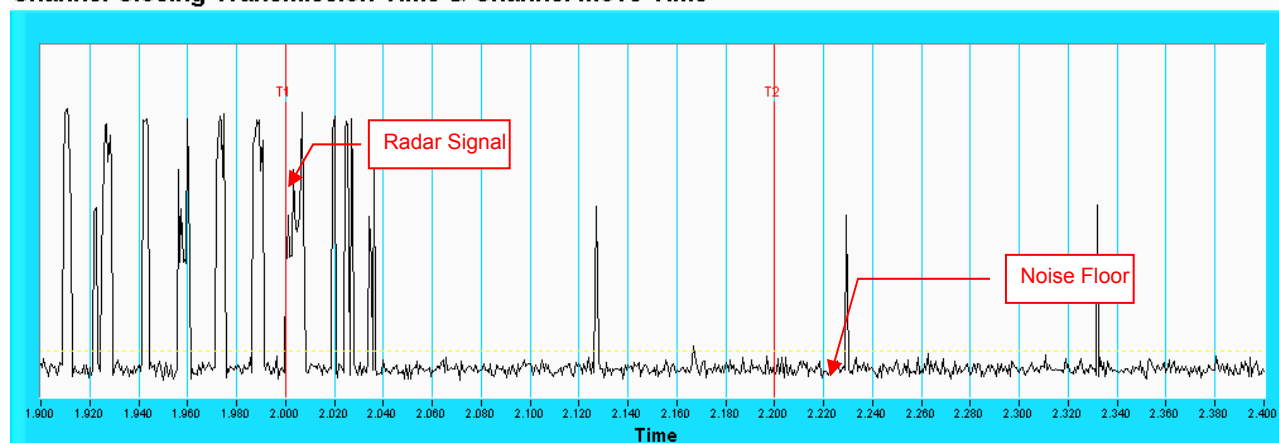
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



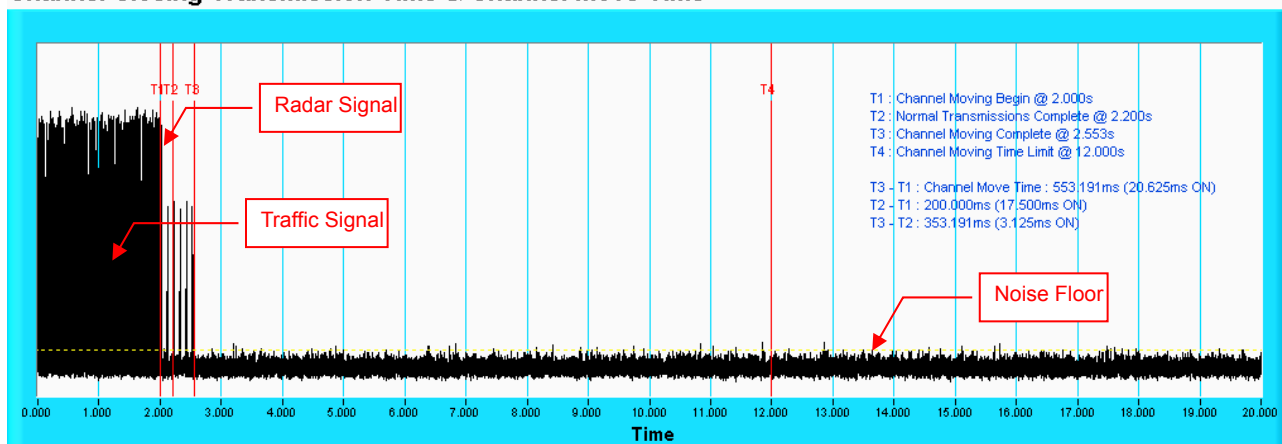
Nte: T1 deNtes the start of Channel Move Time upon the end of the last Radar burst. T2 deNtes the data transmission time of 200ms from T1. T3 deNtes the end of Channel Move Time. T4 deNtes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



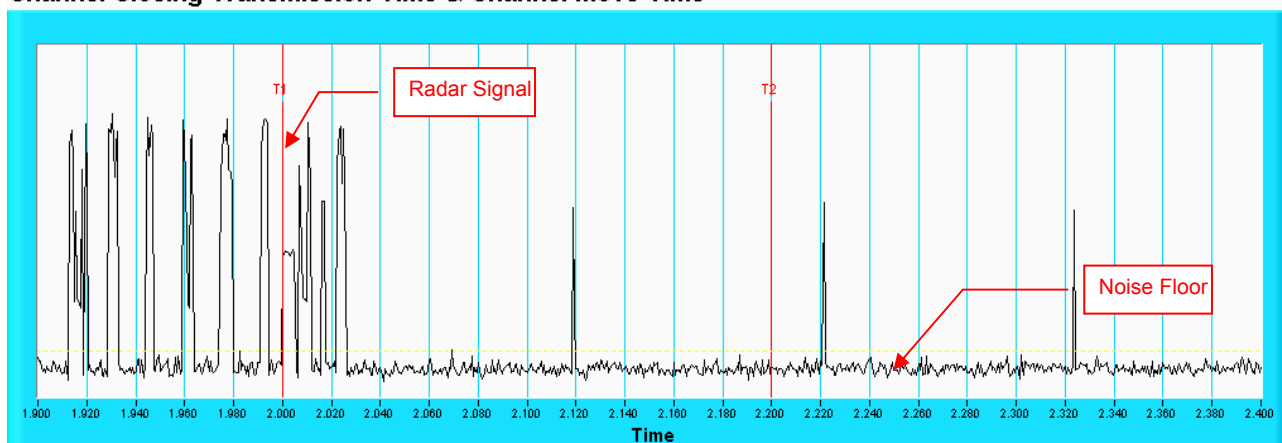
Nte: Room-in of the first 500ms after radar signal applied.

# **Radar signal 4** **IEEE 802.11ac VHT80** **Channel Closing Transmission Time & Channel Move Time**



Nte: T1 deNtes the start of Channel Move Time upon the end of the last Radar burst. T2 deNtes the data transmission time of 200ms from T1. T3 deNtes the end of Channel Move Time. T4 deNtes the 10 second from T1 to observe the aggregate duration of transmissions.

## **Channel Closing Transmission Time & Channel Move Time**



Nte: Room-in of the first 500ms after radar signal applied.

# For Master mode

## IEEE 802.11n HT20

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 100                                    |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                          | 30                       | 80                                     |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                          | 30                       | 86.67                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                          | 30                       | 90                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                | 120                      | 89.17                                  |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100                                    |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11n HT40

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                                  | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \left\lceil \frac{1}{360} \right\rceil \cdot \left\lceil \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\rceil \right\}$ | 30                       | 100                                    |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                                   |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                                             | 30                       | 100                                    |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                                             | 30                       | 96.67                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                             | 30                       | 96.67                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                                                   | 120                      | 98.34                                  |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100                                    |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

## IEEE 802.11ac VHT80

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 100                                    |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                          | 30                       | 90                                     |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                          | 30                       | 90                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                          | 30                       | 90                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                | 120                      | 92.5                                   |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 96.67                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100                                    |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# For Mesh mode

## IEEE 802.11n HT20

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                  | Number of Pulses                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                   | Roundup $\left\{ \frac{1}{360} \cdot \right\}$ | 30                       | 100                                    |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066μsec, with a minimum increment of 1μsec, excluding PRI values selected in Test A |                                                |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                     | 23-29                                          | 30                       | 93.33                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                     | 16-18                                          | 30                       | 90                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                     | 12-16                                          | 30                       | 93.33                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                             |                                                | 120                      | 94.17                                  |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100                                    |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11n HT40

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                  | Number of Pulses                                                                                                                                  | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                   | Roundup $\left\{ \left\lceil \frac{1}{360} \right\rceil \cdot \left\lceil \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\rceil \right\}$ | 30                       | 96.67                                  |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066μsec, with a minimum increment of 1μsec, excluding PRI values selected in Test A |                                                                                                                                                   |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                     | 23-29                                                                                                                                             | 30                       | 86.67                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                     | 16-18                                                                                                                                             | 30                       | 96.67                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                     | 12-16                                                                                                                                             | 30                       | 90                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                             |                                                                                                                                                   | 120                      | 92.5                                   |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100                                    |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

## IEEE 802.11ac VHT80

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                  | Number of Pulses                                                                                                                     | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                   | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 100                                    |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066μsec, with a minimum increment of 1μsec, excluding PRI values selected in Test A |                                                                                                                                      |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                     | 23-29                                                                                                                                | 30                       | 86.67                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                     | 16-18                                                                                                                                | 30                       | 90                                     |
| 4                           | 11-20              | 200-500                                                                                                                                                     | 12-16                                                                                                                                | 30                       | 90                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                             |                                                                                                                                      | 120                      | 91.67                                  |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100                                    |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100                                    |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

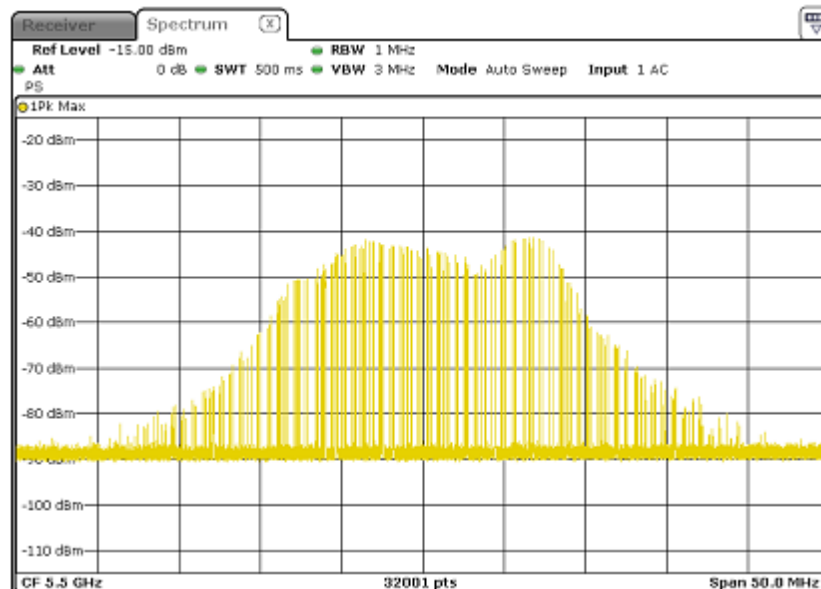
### 6.1.3 Non-Occupancy Period

#### Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

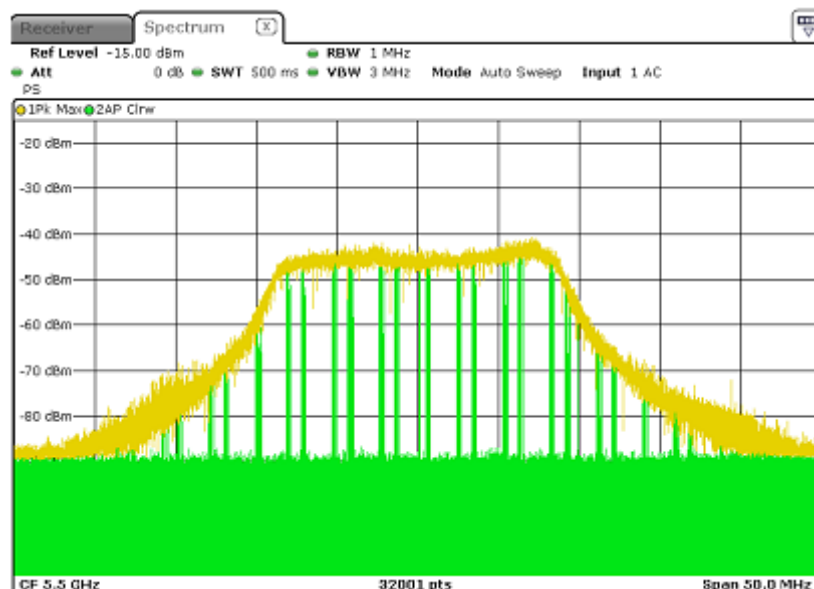
- 1) EUT (Master) links with Client on 5500MHz.

Waveform of EUT links up with Client



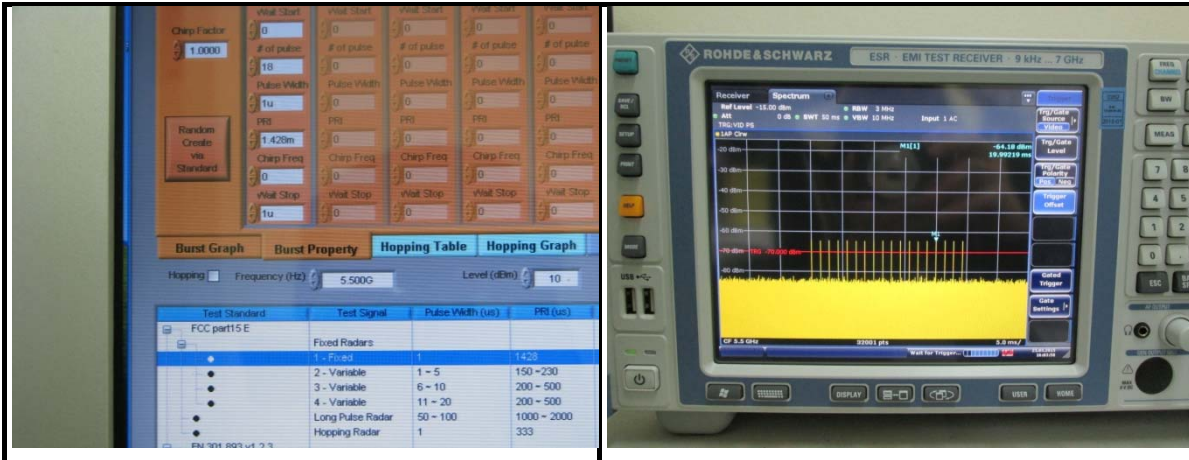
- 2) Client plays specified files via Master

Waveform of transmission



3) Radar signal is applied to the Master device and WiFi traffic signal stop immediately.

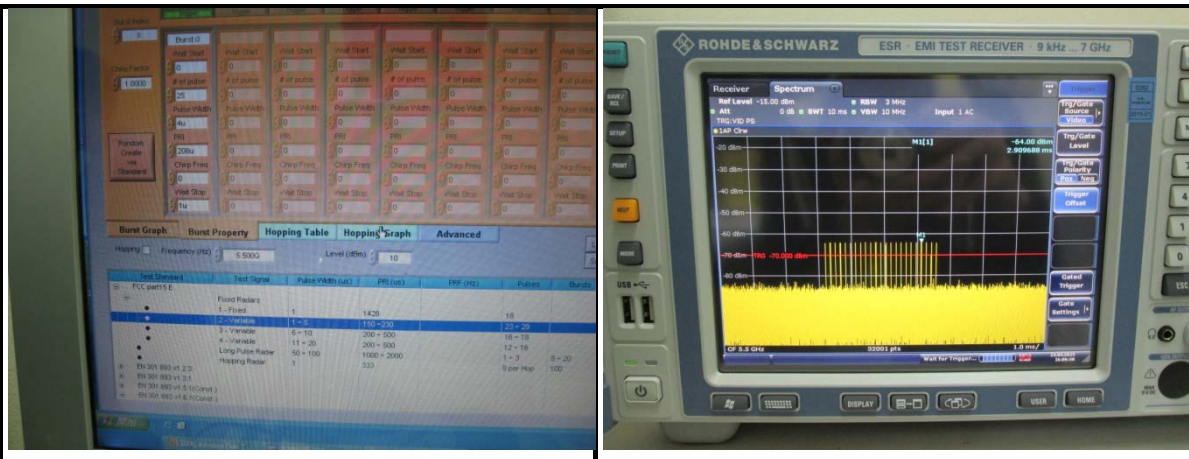
#### Radar 0



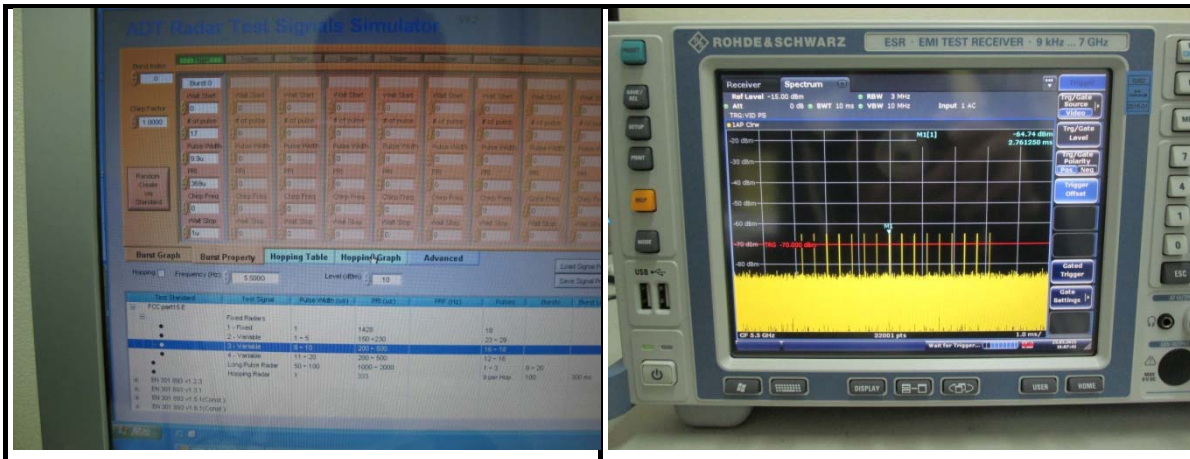
#### Radar 1



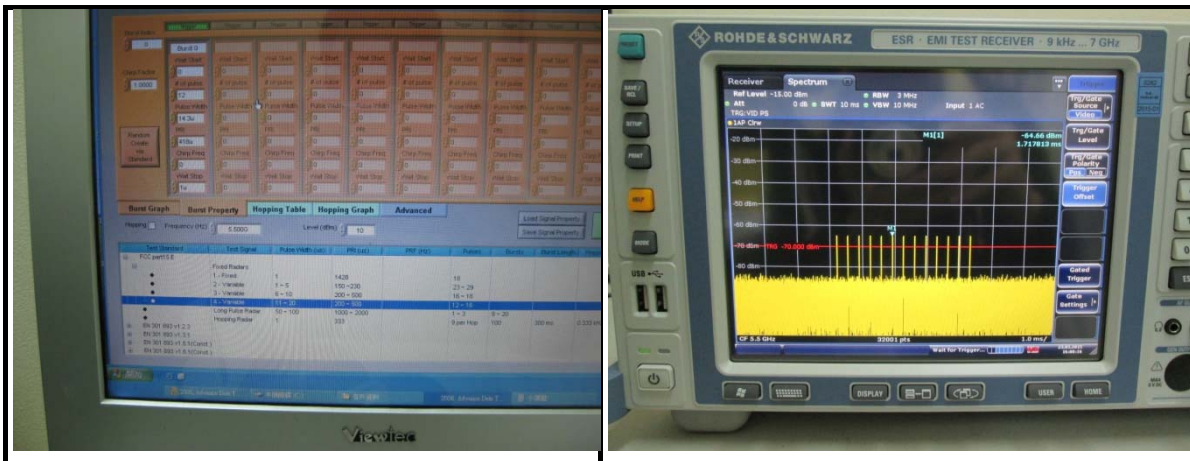
#### Radar 2



Radar 3



Radar 4



Radar 5



## Radar 6

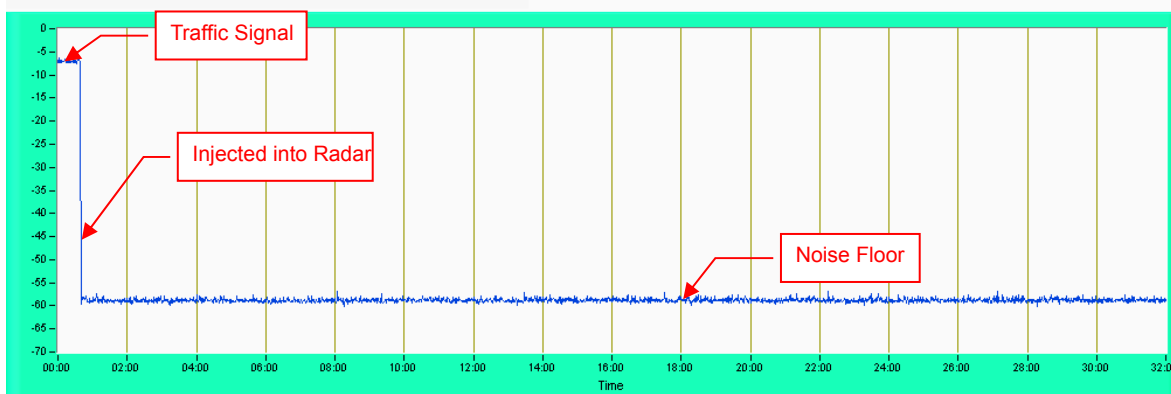


4) 5300MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

### For Master mode

Plot of 30minutes period

#### 802.11n HT20

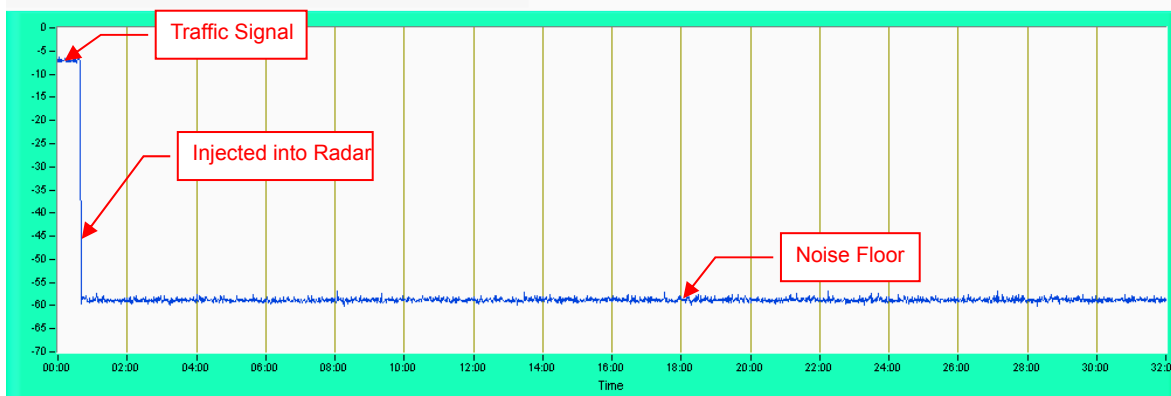


Nte: Test setup are shown on Test setup photo.pdf

### For Mesh mode

Plot of 30minutes period

#### 802.11n HT20



Nte: Test setup are shown on Test setup photo.pdf

#### 6.1.4 Uniform Spreading

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The EUT randomly select next output channel without any bias or fixed pattern, so that all channels in DFS bands (5250 MHz to 5725 MHz) will be used equally.

#### 6.2.7 Transmit power control (TPC)

| TPC | E.I.R.P | FCC 15.407(h)(1)                                                            |
|-----|---------|-----------------------------------------------------------------------------|
| √   | > 500mW | The TPC mechanism is required for system with an E.I.R.P. of above 500mW    |
|     | < 500mW | The TPC mechanism is not required for system with an E.I.R.P. of less 500mW |

## 7 Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

--- END ---

# Annex-A

## Annex A.1 : The Detailed Radar pattern and Statistical Performance For Master Mode

### IEEE 802.11n HT20

### For Master Mode

## Type 1 Radar Statistical Performances

|                       |
|-----------------------|
| Detection Rate: 100 % |
|-----------------------|

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.2                | 179        | 5495                  | Yes       |
| 2                                     | 23               | 1.1                | 207        | 5490                  | No        |
| 3                                     | 24               | 2.1                | 230        | 5500                  | Yes       |
| 4                                     | 29               | 4.8                | 200        | 5492                  | Yes       |
| 5                                     | 28               | 3.9                | 214        | 5496                  | Yes       |
| 6                                     | 26               | 2.9                | 222        | 5509                  | No        |
| 7                                     | 26               | 3.2                | 204        | 5502                  | No        |
| 8                                     | 25               | 2.5                | 192        | 5497                  | Yes       |
| 9                                     | 26               | 3.1                | 164        | 5507                  | Yes       |
| 10                                    | 23               | 1.2                | 156        | 5498                  | Yes       |
| 11                                    | 27               | 3.9                | 210        | 5494                  | Yes       |
| 12                                    | 29               | 4.6                | 201        | 5501                  | Yes       |
| 13                                    | 26               | 3.2                | 162        | 5508                  | Yes       |
| 14                                    | 25               | 2.2                | 197        | 5506                  | Yes       |
| 15                                    | 29               | 4.5                | 163        | 5505                  | No        |
| 16                                    | 26               | 3                  | 203        | 5510                  | Yes       |
| 17                                    | 29               | 5                  | 168        | 5499                  | Yes       |
| 18                                    | 25               | 2.4                | 217        | 5491                  | Yes       |
| 19                                    | 26               | 2.9                | 191        | 5493                  | Yes       |
| 20                                    | 25               | 2.3                | 166        | 5504                  | Yes       |
| 21                                    | 27               | 3.7                | 150        | 5503                  | No        |
| 22                                    | 25               | 2.2                | 176        | 5495                  | No        |
| 23                                    | 29               | 4.9                | 195        | 5503                  | Yes       |
| 24                                    | 26               | 2.9                | 202        | 5509                  | Yes       |
| 25                                    | 25               | 2.5                | 178        | 5498                  | Yes       |
| 26                                    | 23               | 1.1                | 206        | 5499                  | Yes       |
| 27                                    | 27               | 3.8                | 155        | 5493                  | Yes       |
| 28                                    | 29               | 4.7                | 157        | 5496                  | Yes       |
| 29                                    | 25               | 2.4                | 224        | 5504                  | Yes       |
| 30                                    | 28               | 4.2                | 159        | 5508                  | Yes       |
| Detection Rate: 80 %                  |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 8.2                | 355        | 5508                  | Yes       |
| 2                                     | 16               | 6.1                | 487        | 5506                  | Yes       |
| 3                                     | 16               | 7.1                | 344        | 5500                  | Yes       |
| 4                                     | 18               | 9.8                | 288        | 5490                  | No        |
| 5                                     | 18               | 8.9                | 230        | 5503                  | No        |
| 6                                     | 17               | 7.9                | 432        | 5495                  | Yes       |
| 7                                     | 17               | 8.2                | 207        | 5493                  | Yes       |
| 8                                     | 17               | 7.5                | 443        | 5491                  | Yes       |
| 9                                     | 17               | 8.1                | 439        | 5492                  | Yes       |
| 10                                    | 16               | 6.2                | 223        | 5499                  | Yes       |
| 11                                    | 18               | 8.9                | 208        | 5502                  | Yes       |
| 12                                    | 18               | 9.6                | 463        | 5496                  | Yes       |
| 13                                    | 17               | 8.2                | 441        | 5501                  | Yes       |
| 14                                    | 16               | 7.2                | 323        | 5509                  | Yes       |
| 15                                    | 18               | 9.5                | 297        | 5504                  | Yes       |
| 16                                    | 17               | 8                  | 412        | 5498                  | No        |
| 17                                    | 18               | 10                 | 324        | 5510                  | Yes       |
| 18                                    | 17               | 7.4                | 271        | 5494                  | Yes       |
| 19                                    | 17               | 7.9                | 349        | 5507                  | Yes       |
| 20                                    | 16               | 7.3                | 409        | 5497                  | Yes       |
| 21                                    | 18               | 8.7                | 373        | 5505                  | Yes       |
| 22                                    | 16               | 7.2                | 254        | 5490                  | Yes       |
| 23                                    | 18               | 9.9                | 274        | 5491                  | Yes       |
| 24                                    | 17               | 7.9                | 278        | 5509                  | No        |
| 25                                    | 17               | 7.5                | 317        | 5510                  | Yes       |
| 26                                    | 16               | 6.1                | 260        | 5499                  | Yes       |
| 27                                    | 18               | 8.8                | 211        | 5508                  | Yes       |
| 28                                    | 18               | 9.7                | 272        | 5492                  | Yes       |
| 29                                    | 17               | 7.4                | 264        | 5494                  | Yes       |
| 30                                    | 18               | 9.2                | 284        | 5496                  | Yes       |
| Detection Rate: 86.67 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16                 | 355        | 5493                  | Yes       |
| 2                                     | 12               | 11.3               | 487        | 5503                  | Yes       |
| 3                                     | 13               | 13.5               | 344        | 5492                  | Yes       |
| 4                                     | 16               | 19.4               | 288        | 5498                  | Yes       |
| 5                                     | 15               | 17.5               | 230        | 5507                  | Yes       |
| 6                                     | 14               | 15.3               | 432        | 5505                  | Yes       |
| 7                                     | 14               | 15.9               | 207        | 5499                  | Yes       |
| 8                                     | 13               | 14.3               | 443        | 5506                  | Yes       |
| 9                                     | 14               | 15.8               | 439        | 5496                  | Yes       |
| 10                                    | 12               | 11.5               | 223        | 5490                  | No        |
| 11                                    | 15               | 17.4               | 208        | 5501                  | Yes       |
| 12                                    | 16               | 19                 | 463        | 5494                  | Yes       |
| 13                                    | 14               | 16                 | 441        | 5502                  | Yes       |
| 14                                    | 13               | 13.8               | 323        | 5509                  | Yes       |
| 15                                    | 16               | 18.9               | 297        | 5495                  | Yes       |
| 16                                    | 14               | 15.5               | 412        | 5491                  | Yes       |
| 17                                    | 16               | 19.9               | 324        | 5497                  | Yes       |
| 18                                    | 13               | 14.1               | 271        | 5500                  | Yes       |
| 19                                    | 14               | 15.2               | 349        | 5504                  | Yes       |
| 20                                    | 13               | 13.8               | 409        | 5510                  | Yes       |
| 21                                    | 15               | 17.1               | 373        | 5508                  | Yes       |
| 22                                    | 13               | 13.8               | 254        | 5504                  | Yes       |
| 23                                    | 16               | 19.8               | 274        | 5508                  | No        |
| 24                                    | 14               | 15.3               | 278        | 5497                  | Yes       |
| 25                                    | 13               | 14.5               | 317        | 5493                  | Yes       |
| 26                                    | 12               | 11.3               | 260        | 5491                  | Yes       |
| 27                                    | 15               | 17.3               | 211        | 5501                  | Yes       |
| 28                                    | 16               | 19.2               | 272        | 5502                  | Yes       |
| 29                                    | 13               | 14.2               | 264        | 5507                  | Yes       |
| 30                                    | 15               | 18.2               | 284        | 5506                  | No        |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                       |
|---------------------------------------|------------------|-----------------------|
| Trial #                               | Test Signal Name | Detection             |
| 1                                     | LP_Signal_01     | Yes                   |
| 2                                     | LP_Signal_02     | Yes                   |
| 3                                     | LP_Signal_03     | Yes                   |
| 4                                     | LP_Signal_04     | Yes                   |
| 5                                     | LP_Signal_05     | Yes                   |
| 6                                     | LP_Signal_06     | Yes                   |
| 7                                     | LP_Signal_07     | Yes                   |
| 8                                     | LP_Signal_08     | Yes                   |
| 9                                     | LP_Signal_09     | Yes                   |
| 10                                    | LP_Signal_10     | Yes                   |
| 11                                    | LP_Signal_11     | Yes                   |
| 12                                    | LP_Signal_12     | Yes                   |
| 13                                    | LP_Signal_13     | Yes                   |
| 14                                    | LP_Signal_14     | Yes                   |
| 15                                    | LP_Signal_15     | Yes                   |
| 16                                    | LP_Signal_16     | Yes                   |
| 17                                    | LP_Signal_17     | Yes                   |
| 18                                    | LP_Signal_18     | Yes                   |
| 19                                    | LP_Signal_19     | Yes                   |
| 20                                    | LP_Signal_20     | Yes                   |
| 21                                    | LP_Signal_21     | Yes                   |
| 22                                    | LP_Signal_22     | Yes                   |
| 23                                    | LP_Signal_23     | Yes                   |
| 24                                    | LP_Signal_24     | Yes                   |
| 25                                    | LP_Signal_25     | Yes                   |
| 26                                    | LP_Signal_26     | Yes                   |
| 27                                    | LP_Signal_27     | Yes                   |
| 28                                    | LP_Signal_28     | Yes                   |
| 29                                    | LP_Signal_29     | Yes                   |
| 30                                    | LP_Signal_30     | Yes                   |
|                                       |                  | Detection Rate: 100 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 15

Chirp Center Frequency 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 77.8            | 1665.0     | 1477.0     | -          |
| 2     | 1                | 13          | 51.9            | 1074.0     | -          | -          |
| 3     | 1                | 13          | 63.8            | 1584.0     | -          | -          |
| 4     | 3                | 13          | 96.6            | 1682.0     | 1786.0     | 1843.0     |
| 5     | 3                | 13          | 85.9            | 1795.0     | 1215.0     | 1729.0     |
| 6     | 2                | 13          | 73.7            | 1198.0     | 1549.0     | -          |
| 7     | 2                | 13          | 77.2            | 1837.0     | 1819.0     | -          |
| 8     | 2                | 13          | 68.4            | 1587.0     | 1114.0     | -          |
| 9     | 2                | 13          | 76.7            | 2000.0     | 1155.0     | -          |
| 10    | 1                | 13          | 53.2            | 1147.0     | -          | -          |
| 11    | 3                | 13          | 85.7            | 1433.0     | 1695.0     | 1394.0     |
| 12    | 3                | 13          | 94.3            | 1670.0     | 1426.0     | 1935.0     |
| 13    | 2                | 13          | 77.6            | 1294.0     | 1671.0     | -          |
| 14    | 1                | 13          | 65.7            | 1512.0     | -          | -          |
| 15    | 3                | 13          | 93.5            | 1444.0     | 1130.0     | 1468.0     |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 8

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 75.0            | 1880.0     | 1527.0     | -          |
| 2     | 3                | 5           | 99.4            | 1401.0     | 1262.0     | 1257.0     |
| 3     | 2                | 5           | 67.4            | 1531.0     | 1403.0     | -          |
| 4     | 2                | 5           | 73.6            | 1449.0     | 1041.0     | -          |
| 5     | 1                | 5           | 65.9            | 1432.0     | -          | -          |
| 6     | 3                | 5           | 83.8            | 1356.0     | 1292.0     | 1419.0     |
| 7     | 1                | 5           | 65.5            | 1543.0     | -          | -          |
| 8     | 3                | 5           | 98.6            | 1548.0     | 1796.0     | 1728.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 11

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 73.8            | 1806.0     | 1538.0     | -          |
| 2     | 2                | 9           | 69.5            | 1117.0     | 1649.0     | -          |
| 3     | 1                | 9           | 51.9            | 1651.0     | -          | -          |
| 4     | 3                | 9           | 84.6            | 1976.0     | 1032.0     | 1271.0     |
| 5     | 3                | 9           | 95.4            | 1060.0     | 1903.0     | 1388.0     |
| 6     | 2                | 9           | 68.0            | 1368.0     | 1351.0     | -          |
| 7     | 3                | 9           | 89.6            | 1338.0     | 1514.0     | 1573.0     |
| 8     | 2                | 9           | 81.9            | 1022.0     | 1689.0     | -          |
| 9     | 3                | 9           | 88.3            | 1810.0     | 1330.0     | 1838.0     |
| 10    | 1                | 9           | 53.7            | 1597.0     | -          | -          |
| 11    | 3                | 9           | 91.3            | 1961.0     | 1106.0     | 1001.0     |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 20

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 19          | 68.1            | 1339.0     | 1355.0     | -          |
| 2     | 1                | 19          | 58.7            | 1251.0     | -          | -          |
| 3     | 2                | 19          | 75.3            | 1136.0     | 1640.0     | -          |
| 4     | 1                | 19          | 56.4            | 1753.0     | -          | -          |
| 5     | 3                | 19          | 99.7            | 1196.0     | 1708.0     | 1159.0     |
| 6     | 1                | 19          | 57.7            | 1013.0     | -          | -          |
| 7     | 1                | 19          | 59.5            | 1072.0     | -          | -          |
| 8     | 2                | 19          | 80.0            | 1482.0     | 1369.0     | -          |
| 9     | 2                | 19          | 82.0            | 1993.0     | 1197.0     | -          |
| 10    | 2                | 19          | 82.8            | 1883.0     | 1005.0     | -          |
| 11    | 3                | 19          | 88.0            | 1061.0     | 1928.0     | 1101.0     |
| 12    | 3                | 19          | 93.2            | 1207.0     | 1907.0     | 1223.0     |
| 13    | 2                | 19          | 70.4            | 1526.0     | 1360.0     | -          |
| 14    | 3                | 19          | 95.3            | 1171.0     | 1955.0     | 1775.0     |
| 15    | 2                | 19          | 81.9            | 1690.0     | 1545.0     | -          |
| 16    | 3                | 19          | 98.5            | 1975.0     | 1169.0     | 1062.0     |
| 17    | 1                | 19          | 65.0            | 1767.0     | -          | -          |
| 18    | 3                | 19          | 85.4            | 1011.0     | 1637.0     | 1425.0     |
| 19    | 3                | 19          | 91.6            | 1878.0     | 1445.0     | 1325.0     |
| 20    | 2                | 19          | 67.3            | 1091.0     | 1218.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 67.9            | 1320.0     | 1133.0     | -          |
| 2     | 1                | 16          | 62.3            | 1957.0     | -          | -          |
| 3     | 1                | 16          | 53.3            | 1592.0     | -          | -          |
| 4     | 3                | 16          | 90.0            | 1900.0     | 1153.0     | 1346.0     |
| 5     | 2                | 16          | 77.1            | 1166.0     | 1646.0     | -          |
| 6     | 3                | 16          | 83.9            | 1278.0     | 1232.0     | 1459.0     |
| 7     | 3                | 16          | 89.1            | 1240.0     | 1384.0     | 1939.0     |
| 8     | 2                | 16          | 81.8            | 1833.0     | 1676.0     | -          |
| 9     | 1                | 16          | 50.3            | 1075.0     | -          | -          |
| 10    | 3                | 16          | 87.1            | 1116.0     | 1996.0     | 1756.0     |
| 11    | 2                | 16          | 71.3            | 1225.0     | 1815.0     | -          |
| 12    | 3                | 16          | 97.5            | 1884.0     | 1465.0     | 1132.0     |
| 13    | 3                | 16          | 90.6            | 1561.0     | 1040.0     | 1354.0     |
| 14    | 3                | 16          | 86.3            | 1596.0     | 1183.0     | 1792.0     |
| 15    | 3                | 16          | 97.6            | 1365.0     | 1073.0     | 1361.0     |
| 16    | 3                | 16          | 84.7            | 1021.0     | 1718.0     | 1854.0     |
| 17    | 3                | 16          | 99.7            | 1150.0     | 1244.0     | 1988.0     |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 92.9            | 1085.0     | 1564.0     | 1407.0     |
| 2     | 2                | 12          | 67.7            | 1744.0     | 1747.0     | -          |
| 3     | 1                | 12          | 65.8            | 1092.0     | -          | -          |
| 4     | 1                | 12          | 56.3            | 1851.0     | -          | -          |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 5  | 1 | 12 | 53.7 | 1727.0 | -      | -      |
| 6  | 3 | 12 | 83.5 | 1679.0 | 1930.0 | 1025.0 |
| 7  | 1 | 12 | 65.8 | 1519.0 | -      | -      |
| 8  | 3 | 12 | 85.9 | 1134.0 | 1034.0 | 1808.0 |
| 9  | 2 | 12 | 76.3 | 1606.0 | 1926.0 | -      |
| 10 | 2 | 12 | 81.5 | 1891.0 | 1714.0 | -      |
| 11 | 3 | 12 | 89.4 | 1310.0 | 1594.0 | 1827.0 |
| 12 | 1 | 12 | 63.4 | 1568.0 | -      | -      |
| 13 | 2 | 12 | 69.6 | 1307.0 | 1925.0 | -      |
| 14 | 2 | 12 | 74.5 | 1264.0 | 1846.0 | -      |
| 15 |   |    |      |        |        |        |
| 16 |   |    |      |        |        |        |
| 17 |   |    |      |        |        |        |
| 18 |   |    |      |        |        |        |
| 19 |   |    |      |        |        |        |
| 20 |   |    |      |        |        |        |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 15<br>Chirp Center Frequency: 5500.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 3                | 13          | 96.6            | 1182.0     | 1609.0     | 1581.0     |
| 2                                                                                                                                    | 3                | 13          | 96.7            | 1829.0     | 1799.0     | 1154.0     |
| 3                                                                                                                                    | 3                | 13          | 86.5            | 1923.0     | 1396.0     | 1865.0     |
| 4                                                                                                                                    | 2                | 13          | 73.3            | 1908.0     | 1318.0     | -          |
| 5                                                                                                                                    | 1                | 13          | 55.8            | 1688.0     | -          | -          |
| 6                                                                                                                                    | 1                | 13          | 55.4            | 1145.0     | -          | -          |
| 7                                                                                                                                    | 3                | 13          | 85.3            | 1336.0     | 1504.0     | 1820.0     |
| 8                                                                                                                                    | 2                | 13          | 79.4            | 1344.0     | 1893.0     | -          |
| 9                                                                                                                                    | 1                | 13          | 65.7            | 1476.0     | -          | -          |
| 10                                                                                                                                   | 2                | 13          | 68.6            | 1008.0     | 1028.0     | -          |
| 11                                                                                                                                   | 2                | 13          | 77.7            | 1972.0     | 1835.0     | -          |
| 12                                                                                                                                   | 2                | 13          | 79.6            | 1882.0     | 1331.0     | -          |
| 13                                                                                                                                   | 3                | 13          | 94.9            | 1830.0     | 1070.0     | 1349.0     |
| 14                                                                                                                                   | 1                | 13          | 61.4            | 1451.0     | -          | -          |
| 15                                                                                                                                   | 3                | 13          | 90.6            | 1233.0     | 1562.0     | 1887.0     |
| 16                                                                                                                                   |                  |             |                 |            |            |            |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 17 |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 12<br>Chirp Center Frequency: 5500.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 1                | 10          | 52.6            | 1210.0     | -          | -          |
| 2                                                                                                                                    | 3                | 10          | 84.1            | 1314.0     | 1725.0     | 1529.0     |
| 3                                                                                                                                    | 3                | 10          | 97.7            | 1139.0     | 1868.0     | 1805.0     |
| 4                                                                                                                                    | 3                | 10          | 97.3            | 1341.0     | 1446.0     | 1755.0     |
| 5                                                                                                                                    | 3                | 10          | 98.8            | 1544.0     | 1386.0     | 1302.0     |
| 6                                                                                                                                    | 2                | 10          | 72.2            | 1771.0     | 1184.0     | -          |
| 7                                                                                                                                    | 2                | 10          | 67.6            | 1175.0     | 1027.0     | -          |
| 8                                                                                                                                    | 2                | 10          | 75.7            | 1026.0     | 1871.0     | -          |
| 9                                                                                                                                    | 1                | 10          | 60.9            | 1798.0     | -          | -          |
| 10                                                                                                                                   | 1                | 10          | 64.2            | 1138.0     | -          | -          |
| 11                                                                                                                                   | 2                | 10          | 78.8            | 1784.0     | 1604.0     | -          |
| 12                                                                                                                                   | 3                | 10          | 87.5            | 1511.0     | 1712.0     | 1683.0     |
| 13                                                                                                                                   |                  |             |                 |            |            |            |
| 14                                                                                                                                   |                  |             |                 |            |            |            |
| 15                                                                                                                                   |                  |             |                 |            |            |            |
| 16                                                                                                                                   |                  |             |                 |            |            |            |
| 17                                                                                                                                   |                  |             |                 |            |            |            |
| 18                                                                                                                                   |                  |             |                 |            |            |            |
| 19                                                                                                                                   |                  |             |                 |            |            |            |
| 20                                                                                                                                   |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 14

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 54.1            | 1415.0     | -          | -          |
| 2     | 1                | 13          | 50.7            | 1221.0     | -          | -          |
| 3     | 1                | 13          | 52.3            | 1974.0     | -          | -          |
| 4     | 3                | 13          | 99.8            | 1558.0     | 1696.0     | 1949.0     |
| 5     | 2                | 13          | 68.4            | 1014.0     | 1099.0     | -          |
| 6     | 2                | 13          | 80.8            | 1736.0     | 1505.0     | -          |
| 7     | 1                | 13          | 62.5            | 1778.0     | -          | -          |
| 8     | 2                | 13          | 74.8            | 1149.0     | 1204.0     | -          |
| 9     | 1                | 13          | 50.8            | 1049.0     | -          | -          |
| 10    | 1                | 13          | 54.0            | 1417.0     | -          | -          |
| 11    | 1                | 13          | 63.0            | 1730.0     | -          | -          |
| 12    | 3                | 13          | 91.8            | 1143.0     | 1270.0     | 1347.0     |
| 13    | 2                | 13          | 79.3            | 1274.0     | 1992.0     | -          |
| 14    | 1                | 13          | 64.3            | 1937.0     | -          | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 6           | 63.4            | 1043.0     | -          | -          |
| 2     | 1                | 6           | 52.0            | 1863.0     | -          | -          |
| 3     | 3                | 6           | 97.2            | 1973.0     | 1605.0     | 1583.0     |
| 4     | 2                | 6           | 78.7            | 1466.0     | 1743.0     | -          |
| 5     | 2                | 6           | 74.2            | 1280.0     | 1219.0     | -          |
| 6     | 3                | 6           | 88.7            | 1293.0     | 1934.0     | 1273.0     |
| 7     | 1                | 6           | 54.3            | 1991.0     | -          | -          |
| 8     | 3                | 6           | 95.4            | 1580.0     | 1555.0     | 1791.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 17

Chirp Center Frequency: 5496.9 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 73.7            | 1208.0     | 1497.0     | -          |
| 2     | 3                | 16          | 97.4            | 1942.0     | 1754.0     | 1613.0     |
| 3     | 3                | 16          | 91.7            | 1999.0     | 1702.0     | 1462.0     |
| 4     | 1                | 16          | 66.2            | 1393.0     | -          | -          |
| 5     | 2                | 16          | 70.8            | 1968.0     | 1821.0     | -          |
| 6     | 1                | 16          | 52.3            | 1740.0     | -          | -          |
| 7     | 2                | 16          | 78.9            | 1308.0     | 1984.0     | -          |
| 8     | 2                | 16          | 70.9            | 1050.0     | 1358.0     | -          |
| 9     | 2                | 16          | 75.6            | 1437.0     | 1430.0     | -          |
| 10    | 1                | 16          | 59.1            | 1697.0     | -          | -          |
| 11    | 2                | 16          | 77.0            | 1397.0     | 1304.0     | -          |
| 12    | 2                | 16          | 67.9            | 1803.0     | 1083.0     | -          |
| 13    | 2                | 16          | 81.2            | 1720.0     | 1932.0     | -          |
| 14    | 2                | 16          | 78.7            | 1247.0     | 1121.0     | -          |
| 15    | 1                | 16          | 63.3            | 1634.0     | -          | -          |
| 16    | 2                | 16          | 68.9            | 1849.0     | 1423.0     | -          |
| 17    | 1                | 16          | 59.3            | 1093.0     | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.1 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 98.9            | 1381.0     | 1680.0     | 1488.0     |
| 2     | 2                | 19          | 82.3            | 1716.0     | 1855.0     | -          |
| 3     | 3                | 19          | 86.7            | 1211.0     | 1400.0     | 1919.0     |
| 4     | 3                | 19          | 89.7            | 1861.0     | 1068.0     | 1282.0     |
| 5     | 3                | 19          | 98.6            | 1507.0     | 1194.0     | 1461.0     |
| 6     | 2                | 19          | 71.1            | 1921.0     | 1789.0     | -          |
| 7     | 1                | 19          | 55.9            | 1947.0     | -          | -          |
| 8     | 2                | 19          | 67.9            | 1350.0     | 1372.0     | -          |
| 9     | 3                | 19          | 84.4            | 1203.0     | 1107.0     | 1443.0     |
| 10    | 1                | 19          | 58.8            | 1715.0     | -          | -          |
| 11    | 1                | 19          | 65.6            | 1017.0     | -          | -          |
| 12    | 2                | 19          | 78.5            | 1911.0     | 1704.0     | -          |
| 13    | 2                | 19          | 82.3            | 1845.0     | 1686.0     | -          |
| 14    | 3                | 19          | 90.1            | 1938.0     | 1071.0     | 1266.0     |
| 15    | 3                | 19          | 90.2            | 1989.0     | 1089.0     | 1950.0     |
| 16    | 2                | 19          | 83.1            | 1943.0     | 1406.0     | -          |
| 17    | 1                | 19          | 58.8            | 1742.0     | -          | -          |
| 18    | 2                | 19          | 77.0            | 1187.0     | 1657.0     | -          |
| 19    | 1                | 19          | 55.0            | 1012.0     | -          | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chirp Center Frequency: 5495.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 58.1            | 1929.0     | -          | -          |
| 2     | 1                | 13          | 52.1            | 1910.0     | -          | -          |
| 3     | 1                | 13          | 59.9            | 1971.0     | -          | -          |
| 4     | 1                | 13          | 60.2            | 1812.0     | -          | -          |
| 5     | 3                | 13          | 95.9            | 1399.0     | 1906.0     | 1608.0     |
| 6     | 2                | 13          | 79.9            | 1626.0     | 1859.0     | -          |
| 7     | 2                | 13          | 78.5            | 1238.0     | 1917.0     | -          |
| 8     | 1                | 13          | 53.8            | 1763.0     | -          | -          |
| 9     | 1                | 13          | 64.7            | 1800.0     | -          | -          |
| 10    | 1                | 13          | 61.4            | 1390.0     | -          | -          |
| 11    | 2                | 13          | 83.2            | 1692.0     | 1858.0     | -          |
| 12    | 3                | 13          | 84.7            | 1533.0     | 1677.0     | 1638.0     |
| 13    | 3                | 13          | 88.7            | 1703.0     | 1528.0     | 1058.0     |
| 14    | 2                | 13          | 78.3            | 1258.0     | 1951.0     | -          |
| 15    | 2                | 13          | 69.3            | 1731.0     | 1717.0     | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 12

Chirp Center Frequency: 5494.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 10          | 75.3            | 1994.0     | 1612.0     | -          |
| 2     | 1                | 10          | 56.3            | 1456.0     | -          | -          |
| 3     | 2                | 10          | 67.7            | 1617.0     | 1185.0     | -          |
| 4     | 1                | 10          | 55.6            | 1337.0     | -          | -          |
| 5     | 2                | 10          | 75.2            | 1421.0     | 1267.0     | -          |
| 6     | 2                | 10          | 76.3            | 1359.0     | 1305.0     | -          |
| 7     | 3                | 10          | 85.7            | 1547.0     | 1362.0     | 1924.0     |
| 8     | 3                | 10          | 98.4            | 1873.0     | 1550.0     | 1249.0     |
| 9     | 3                | 10          | 86.4            | 1779.0     | 1439.0     | 1046.0     |
| 10    | 3                | 10          | 93.6            | 1059.0     | 1031.0     | 1452.0     |
| 11    | 1                | 10          | 63.3            | 1328.0     | -          | -          |
| 12    | 3                | 10          | 92.4            | 1412.0     | 1673.0     | 1322.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 19

Chirp Center Frequency: 5497.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 93.3            | 1983.0     | 1912.0     | 1535.0     |
| 2     | 2                | 18          | 69.1            | 1102.0     | 1794.0     | -          |
| 3     | 3                | 18          | 86.9            | 1044.0     | 1152.0     | 1148.0     |
| 4     | 3                | 18          | 84.9            | 1894.0     | 1948.0     | 1118.0     |
| 5     | 2                | 18          | 72.3            | 1094.0     | 1916.0     | -          |
| 6     | 1                | 18          | 51.7            | 1447.0     | -          | -          |
| 7     | 1                | 18          | 58.3            | 1429.0     | -          | -          |
| 8     | 1                | 18          | 60.8            | 1979.0     | -          | -          |
| 9     | 1                | 18          | 57.1            | 1641.0     | -          | -          |
| 10    | 3                | 18          | 88.9            | 1886.0     | 1964.0     | 1489.0     |
| 11    | 2                | 18          | 72.0            | 1909.0     | 1297.0     | -          |
| 12    | 3                | 18          | 90.9            | 1261.0     | 1566.0     | 1370.0     |
| 13    | 1                | 18          | 59.8            | 1552.0     | -          | -          |
| 14    | 2                | 18          | 70.0            | 1759.0     | 1291.0     | -          |
| 15    | 2                | 18          | 67.2            | 1625.0     | 1881.0     | -          |
| 16    | 3                | 18          | 91.2            | 1382.0     | 1832.0     | 1661.0     |
| 17    | 1                | 18          | 56.5            | 1483.0     | -          | -          |
| 18    | 1                | 18          | 51.2            | 1237.0     | -          | -          |
| 19    | 2                | 18          | 74.1            | 1471.0     | 1245.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 12          | 76.9            | 1110.0     | 1140.0     | -          |
| 2     | 1                | 12          | 50.2            | 1316.0     | -          | -          |
| 3     | 1                | 12          | 62.9            | 1520.0     | -          | -          |
| 4     | 1                | 12          | 64.7            | 1902.0     | -          | -          |
| 5     | 3                | 12          | 83.8            | 1410.0     | 1097.0     | 1621.0     |
| 6     | 1                | 12          | 65.4            | 1944.0     | -          | -          |
| 7     | 1                | 12          | 53.2            | 1024.0     | -          | -          |
| 8     | 1                | 12          | 51.7            | 1603.0     | -          | -          |
| 9     | 2                | 12          | 78.7            | 1804.0     | 1168.0     | -          |
| 10    | 2                | 12          | 72.4            | 1030.0     | 1343.0     | -          |
| 11    | 1                | 12          | 53.8            | 1327.0     | -          | -          |
| 12    | 2                | 12          | 73.6            | 1524.0     | 1553.0     | -          |
| 13    | 2                | 12          | 66.7            | 1722.0     | 1122.0     | -          |
| 14    | 2                | 12          | 82.5            | 1404.0     | 1019.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chirp Center Frequency: 5498.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 20          | 87.6            | 1565.0     | 1055.0     | 1840.0     |
| 2     | 3                | 20          | 85.2            | 1735.0     | 1541.0     | 1408.0     |
| 3     | 3                | 20          | 84.8            | 1534.0     | 1889.0     | 1463.0     |
| 4     | 2                | 20          | 77.9            | 1749.0     | 1460.0     | -          |
| 5     | 2                | 20          | 76.5            | 1518.0     | 1485.0     | -          |
| 6     | 1                | 20          | 60.9            | 1540.0     | -          | -          |
| 7     | 2                | 20          | 83.0            | 1080.0     | 1010.0     | -          |
| 8     | 2                | 20          | 80.4            | 1824.0     | 1752.0     | -          |
| 9     | 2                | 20          | 67.5            | 1764.0     | 1181.0     | -          |
| 10    | 1                | 20          | 62.1            | 1495.0     | -          | -          |
| 11    | 3                | 20          | 86.4            | 1773.0     | 1966.0     | 1263.0     |
| 12    | 3                | 20          | 84.3            | 1593.0     | 1188.0     | 1788.0     |
| 13    | 2                | 20          | 76.9            | 1226.0     | 1537.0     | -          |
| 14    | 3                | 20          | 95.8            | 1192.0     | 1298.0     | 1844.0     |
| 15    | 1                | 20          | 55.2            | 1644.0     | -          | -          |
| 16    | 1                | 20          | 59.0            | 1402.0     | -          | -          |
| 17    | 3                | 20          | 94.5            | 1296.0     | 1700.0     | 1283.0     |
| 18    | 3                | 20          | 91.9            | 1970.0     | 1978.0     | 1165.0     |
| 19    | 3                | 20          | 85.2            | 1732.0     | 1551.0     | 1189.0     |
| 20    | 2                | 20          | 69.5            | 1038.0     | 1224.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 86.4            | 1259.0     | 1918.0     | 1455.0     |
| 2     | 3                | 10          | 92.2            | 1598.0     | 1719.0     | 1895.0     |
| 3     | 2                | 10          | 80.4            | 1816.0     | 1899.0     | -          |
| 4     | 1                | 10          | 54.3            | 1335.0     | -          | -          |
| 5     | 1                | 10          | 53.1            | 1303.0     | -          | -          |
| 6     | 2                | 10          | 69.4            | 1503.0     | 1546.0     | -          |
| 7     | 2                | 10          | 69.1            | 1279.0     | 1639.0     | -          |
| 8     | 3                | 10          | 100.0           | 1375.0     | 1438.0     | 1595.0     |
| 9     | 2                | 10          | 79.6            | 1239.0     | 1705.0     | -          |
| 10    | 3                | 10          | 88.4            | 1374.0     | 1579.0     | 1623.0     |
| 11    | 1                | 10          | 53.3            | 1016.0     | -          | -          |
| 12    | 1                | 10          | 65.3            | 1709.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 55.3            | 1920.0     | -          | -          |
| 2     | 1                | 12          | 58.3            | 1797.0     | -          | -          |
| 3     | 2                | 12          | 72.3            | 1610.0     | 1039.0     | -          |
| 4     | 3                | 12          | 84.8            | 1131.0     | 1761.0     | 1721.0     |
| 5     | 2                | 12          | 82.5            | 1875.0     | 1431.0     | -          |
| 6     | 1                | 12          | 63.3            | 1095.0     | -          | -          |
| 7     | 2                | 12          | 80.0            | 1119.0     | 1913.0     | -          |
| 8     | 3                | 12          | 90.3            | 1660.0     | 1853.0     | 1123.0     |
| 9     | 3                | 12          | 91.1            | 1539.0     | 1783.0     | 1172.0     |
| 10    | 3                | 12          | 96.6            | 1525.0     | 1036.0     | 1385.0     |
| 11    | 2                | 12          | 82.7            | 1710.0     | 1990.0     | -          |
| 12    | 1                | 12          | 50.7            | 1234.0     | -          | -          |
| 13    | 2                | 12          | 78.4            | 1047.0     | 1109.0     | -          |
| 14    | 3                | 12          | 99.5            | 1299.0     | 1965.0     | 1869.0     |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 12

Chirp Center Frequency: 5494.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 88.6            | 1501.0     | 1067.0     | 1927.0     |
| 2     | 1                | 10          | 57.4            | 1723.0     | -          | -          |
| 3     | 3                | 10          | 96.6            | 1086.0     | 1658.0     | 1324.0     |
| 4     | 2                | 10          | 69.7            | 1751.0     | 1945.0     | -          |
| 5     | 2                | 10          | 77.9            | 1642.0     | 1317.0     | -          |
| 6     | 1                | 10          | 62.0            | 1866.0     | -          | -          |
| 7     | 3                | 10          | 88.4            | 1997.0     | 1077.0     | 1366.0     |
| 8     | 3                | 10          | 97.3            | 1790.0     | 1896.0     | 1367.0     |
| 9     | 3                | 10          | 96.2            | 1391.0     | 1787.0     | 1672.0     |
| 10    | 3                | 10          | 95.4            | 1020.0     | 1892.0     | 1414.0     |
| 11    | 1                | 10          | 54.8            | 1084.0     | -          | -          |
| 12    | 2                | 10          | 80.4            | 1850.0     | 1436.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 16

Chirp Center Frequency: 5503.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 74.7            | 1619.0     | 1611.0     | -          |
| 2     | 1                | 15          | 57.1            | 1560.0     | -          | -          |
| 3     | 3                | 15          | 91.9            | 1392.0     | 1475.0     | 1276.0     |
| 4     | 2                | 15          | 83.1            | 1809.0     | 1772.0     | -          |
| 5     | 1                | 15          | 50.7            | 1003.0     | -          | -          |
| 6     | 2                | 15          | 79.2            | 1574.0     | 1600.0     | -          |
| 7     | 1                | 15          | 58.7            | 1186.0     | -          | -          |
| 8     | 2                | 15          | 71.0            | 1521.0     | 1567.0     | -          |
| 9     | 2                | 15          | 79.0            | 1777.0     | 1960.0     | -          |
| 10    | 2                | 15          | 68.5            | 1284.0     | 1428.0     | -          |
| 11    | 2                | 15          | 73.5            | 1904.0     | 1352.0     | -          |
| 12    | 2                | 15          | 70.5            | 1864.0     | 1115.0     | -          |
| 13    | 2                | 15          | 76.6            | 1045.0     | 1300.0     | -          |
| 14    | 2                | 15          | 81.2            | 1160.0     | 1675.0     | -          |
| 15    | 1                | 15          | 61.8            | 1277.0     | -          | -          |
| 16    | 3                | 15          | 94.9            | 1450.0     | 1206.0     | 1860.0     |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5505.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 78.5            | 1653.0     | 1698.0     | -          |
| 2     | 3                | 9           | 89.8            | 1174.0     | 1962.0     | 1167.0     |
| 3     | 1                | 9           | 59.4            | 1982.0     | -          | -          |
| 4     | 2                | 9           | 79.6            | 1633.0     | 1890.0     | -          |
| 5     | 2                | 9           | 76.0            | 1112.0     | 1811.0     | -          |
| 6     | 1                | 9           | 53.6            | 1144.0     | -          | -          |
| 7     | 2                | 9           | 80.9            | 1220.0     | 1053.0     | -          |
| 8     | 1                | 9           | 61.6            | 1724.0     | -          | -          |
| 9     | 1                | 9           | 53.4            | 1901.0     | -          | -          |
| 10    | 1                | 9           | 59.9            | 1379.0     | -          | -          |
| 11    | 1                | 9           | 60.4            | 1453.0     | -          | -          |
| 12    | 3                | 9           | 91.4            | 1768.0     | 1726.0     | 1227.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 20

Chirp Center Frequency: 5501.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 77.0            | 1191.0     | 1363.0     | -          |
| 2     | 1                | 20          | 58.1            | 1248.0     | -          | -          |
| 3     | 1                | 20          | 62.1            | 1836.0     | -          | -          |
| 4     | 2                | 20          | 76.9            | 1334.0     | 1236.0     | -          |
| 5     | 2                | 20          | 80.0            | 1914.0     | 1852.0     | -          |
| 6     | 1                | 20          | 52.0            | 1701.0     | -          | -          |
| 7     | 3                | 20          | 88.6            | 1693.0     | 1995.0     | 1905.0     |
| 8     | 2                | 20          | 72.9            | 1922.0     | 1387.0     | -          |
| 9     | 3                | 20          | 98.5            | 1839.0     | 1746.0     | 1389.0     |
| 10    | 1                | 20          | 57.9            | 1193.0     | -          | -          |
| 11    | 3                | 20          | 95.9            | 1659.0     | 1870.0     | 1066.0     |
| 12    | 1                | 20          | 53.5            | 1162.0     | -          | -          |
| 13    | 3                | 20          | 92.0            | 1745.0     | 1654.0     | 1458.0     |
| 14    | 1                | 20          | 57.3            | 1834.0     | -          | -          |
| 15    | 2                | 20          | 70.5            | 1684.0     | 1586.0     | -          |
| 16    | 2                | 20          | 70.0            | 1042.0     | 1664.0     | -          |
| 17    | 3                | 20          | 84.0            | 1765.0     | 1630.0     | 1176.0     |
| 18    | 2                | 20          | 76.1            | 1557.0     | 1057.0     | -          |
| 19    | 3                | 20          | 93.2            | 1985.0     | 1018.0     | 1340.0     |
| 20    | 3                | 20          | 96.8            | 1760.0     | 1614.0     | 1817.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chirp Center Frequency: 5504.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 50.1            | 1841.0     | -          | -          |
| 2     | 3                | 12          | 93.5            | 1590.0     | 1081.0     | 1413.0     |
| 3     | 2                | 12          | 68.8            | 1707.0     | 1577.0     | -          |
| 4     | 1                | 12          | 56.3            | 1056.0     | -          | -          |
| 5     | 3                | 12          | 86.0            | 1953.0     | 1108.0     | 1987.0     |
| 6     | 2                | 12          | 75.2            | 1572.0     | 1536.0     | -          |
| 7     | 1                | 12          | 54.4            | 1517.0     | -          | -          |
| 8     | 2                | 12          | 71.1            | 1329.0     | 1243.0     | -          |
| 9     | 2                | 12          | 76.2            | 1940.0     | 1770.0     | -          |
| 10    | 2                | 12          | 80.2            | 1098.0     | 1209.0     | -          |
| 11    | 2                | 12          | 79.7            | 1588.0     | 1214.0     | -          |
| 12    | 3                | 12          | 90.9            | 1615.0     | 1862.0     | 1601.0     |
| 13    | 2                | 12          | 68.7            | 1377.0     | 1441.0     | -          |
| 14    | 2                | 12          | 67.4            | 1872.0     | 1313.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 13

Chirp Center Frequency: 5505.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 11          | 94.0            | 1643.0     | 1748.0     | 1941.0     |
| 2     | 2                | 11          | 70.8            | 1177.0     | 1201.0     | -          |
| 3     | 1                | 11          | 56.3            | 1006.0     | -          | -          |
| 4     | 3                | 11          | 96.7            | 1230.0     | 1163.0     | 1332.0     |
| 5     | 3                | 11          | 90.6            | 1217.0     | 1582.0     | 1498.0     |
| 6     | 2                | 11          | 74.5            | 1569.0     | 1281.0     | -          |
| 7     | 3                | 11          | 92.6            | 1065.0     | 1669.0     | 1222.0     |
| 8     | 3                | 11          | 89.0            | 1493.0     | 1135.0     | 1380.0     |
| 9     | 3                | 11          | 96.5            | 1607.0     | 1822.0     | 1602.0     |
| 10    | 2                | 11          | 70.5            | 1141.0     | 1178.0     | -          |
| 11    | 3                | 11          | 94.0            | 1009.0     | 1629.0     | 1956.0     |
| 12    | 1                | 11          | 55.8            | 1290.0     | -          | -          |
| 13    | 3                | 11          | 87.7            | 1435.0     | 1963.0     | 1164.0     |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chirp Center Frequency: 5507.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 68.6            | 1306.0     | 1161.0     | -          |
| 2     | 2                | 5           | 83.1            | 1420.0     | 1315.0     | -          |
| 3     | 1                | 5           | 60.9            | 1687.0     | -          | -          |
| 4     | 2                | 5           | 77.7            | 1776.0     | 1158.0     | -          |
| 5     | 2                | 5           | 77.4            | 1793.0     | 1510.0     | -          |
| 6     | 2                | 5           | 66.8            | 1576.0     | 1323.0     | -          |
| 7     | 1                | 5           | 63.7            | 1333.0     | -          | -          |
| 8     | 3                | 5           | 91.2            | 1409.0     | 1681.0     | 1275.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chirp Center Frequency: 5503.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 16          | 83.6            | 1632.0     | 1195.0     | 1000.0     |
| 2     | 3                | 16          | 89.4            | 1173.0     | 1627.0     | 1656.0     |
| 3     | 1                | 16          | 55.8            | 1532.0     | -          | -          |
| 4     | 3                | 16          | 90.9            | 1981.0     | 1554.0     | 1998.0     |
| 5     | 1                | 16          | 54.7            | 1825.0     | -          | -          |
| 6     | 3                | 16          | 97.7            | 1734.0     | 1202.0     | 1250.0     |
| 7     | 2                | 16          | 67.5            | 1571.0     | 1434.0     | -          |
| 8     | 3                | 16          | 96.7            | 1589.0     | 1469.0     | 1268.0     |
| 9     | 2                | 16          | 68.3            | 1750.0     | 1954.0     | -          |
| 10    | 2                | 16          | 78.3            | 1591.0     | 1082.0     | -          |
| 11    | 1                | 16          | 55.0            | 1427.0     | -          | -          |
| 12    | 3                | 16          | 84.9            | 1129.0     | 1936.0     | 1199.0     |
| 13    | 2                | 16          | 74.6            | 1959.0     | 1856.0     | -          |
| 14    | 1                | 16          | 63.3            | 1885.0     | -          | -          |
| 15    | 3                | 16          | 99.8            | 1035.0     | 1515.0     | 1120.0     |
| 16    | 1                | 16          | 63.6            | 1647.0     | -          | -          |
| 17    | 3                | 16          | 87.3            | 1931.0     | 1051.0     | 1831.0     |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5501.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 85.6            | 1946.0     | 1078.0     | 1015.0     |
| 2     | 2                | 19          | 68.6            | 1029.0     | 1780.0     | -          |
| 3     | 1                | 19          | 54.2            | 1111.0     | -          | -          |
| 4     | 1                | 19          | 61.2            | 1104.0     | -          | -          |
| 5     | 3                | 19          | 97.1            | 1157.0     | 1969.0     | 1100.0     |
| 6     | 3                | 19          | 98.3            | 1142.0     | 1699.0     | 1622.0     |
| 7     | 1                | 19          | 62.4            | 1655.0     | -          | -          |
| 8     | 2                | 19          | 80.2            | 1126.0     | 1769.0     | -          |
| 9     | 3                | 19          | 87.5            | 1216.0     | 1448.0     | 1179.0     |
| 10    | 3                | 19          | 85.8            | 1847.0     | 1348.0     | 1472.0     |
| 11    | 3                | 19          | 88.1            | 1023.0     | 1124.0     | 1631.0     |
| 12    | 1                | 19          | 65.3            | 1848.0     | -          | -          |
| 13    | 1                | 19          | 52.5            | 1470.0     | -          | -          |
| 14    | 1                | 19          | 52.3            | 1312.0     | -          | -          |
| 15    | 2                | 19          | 74.1            | 1915.0     | 1200.0     | -          |
| 16    | 1                | 19          | 54.9            | 1479.0     | -          | -          |
| 17    | 2                | 19          | 76.2            | 1376.0     | 1502.0     | -          |
| 18    | 1                | 19          | 60.4            | 1758.0     | -          | -          |
| 19    | 2                | 19          | 81.5            | 1491.0     | 1103.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chirp Center Frequency: 5505.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 10          | 50.5            | 1857.0     | -          | -          |
| 2     | 1                | 10          | 55.7            | 1246.0     | -          | -          |
| 3     | 3                | 10          | 85.8            | 1774.0     | 1002.0     | 1967.0     |
| 4     | 2                | 10          | 76.9            | 1125.0     | 1474.0     | -          |
| 5     | 2                | 10          | 75.1            | 1254.0     | 1052.0     | -          |
| 6     | 3                | 10          | 92.3            | 1180.0     | 1486.0     | 1492.0     |
| 7     | 2                | 10          | 78.1            | 1301.0     | 1757.0     | -          |
| 8     | 3                | 10          | 92.2            | 1898.0     | 1252.0     | 1713.0     |
| 9     | 3                | 10          | 89.0            | 1260.0     | 1706.0     | 1411.0     |
| 10    | 2                | 10          | 70.9            | 1578.0     | 1620.0     | -          |
| 11    | 1                | 10          | 63.1            | 1782.0     | -          | -          |
| 12    | 1                | 10          | 55.3            | 1522.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5502.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 83.4            | 1454.0     | 1205.0     | 1801.0     |
| 2     | 3                | 17          | 97.3            | 1319.0     | 1826.0     | 1635.0     |
| 3     | 3                | 17          | 90.4            | 1079.0     | 1986.0     | 1674.0     |
| 4     | 3                | 17          | 91.8            | 1563.0     | 1151.0     | 1802.0     |
| 5     | 3                | 17          | 98.2            | 1876.0     | 1977.0     | 1766.0     |
| 6     | 1                | 17          | 59.5            | 1952.0     | -          | -          |
| 7     | 2                | 17          | 80.0            | 1253.0     | 1137.0     | -          |
| 8     | 3                | 17          | 86.5            | 1054.0     | 1128.0     | 1828.0     |
| 9     | 3                | 17          | 91.1            | 1105.0     | 1599.0     | 1442.0     |
| 10    | 3                | 17          | 93.5            | 1867.0     | 1373.0     | 1087.0     |
| 11    | 1                | 17          | 60.7            | 1033.0     | -          | -          |
| 12    | 2                | 17          | 67.2            | 1288.0     | 1405.0     | -          |
| 13    | 1                | 17          | 61.8            | 1585.0     | -          | -          |
| 14    | 2                | 17          | 79.4            | 1933.0     | 1667.0     | -          |
| 15    | 2                | 17          | 81.4            | 1096.0     | 1464.0     | -          |
| 16    | 1                | 17          | 65.7            | 1496.0     | -          | -          |
| 17    | 2                | 17          | 76.0            | 1733.0     | 1255.0     | -          |
| 18    | 2                | 17          | 81.0            | 1326.0     | 1668.0     | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

| Type 6 Radar Statistical Performances |                  |                 |         |                       |
|---------------------------------------|------------------|-----------------|---------|-----------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection             |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                   |
|                                       |                  |                 |         | Detection Rate: 100 % |

| Type 6 Radar Statistical Performances |                                 |                       |
|---------------------------------------|---------------------------------|-----------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection             |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                   |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                   |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                   |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                   |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                   |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                   |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                   |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                   |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                   |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                   |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                   |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                   |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                   |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                   |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                   |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                   |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                   |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                   |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                   |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                   |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                   |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                   |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                   |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                   |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                   |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                   |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                   |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                   |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                   |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                   |
|                                       |                                 | Detection Rate: 100 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.594G            | 2    | 5.685G            | 3    | 5.361G            | 4    | 5.582G            |
| 5                                                | 5.699G            | 6    | 5.598G            | 7    | 5.352G            | 8    | 5.301G            |
| 9                                                | 5.658G            | 10   | 5.311G            | 11   | 5.696G            | 12   | 5.278G            |
| 13                                               | 5.529G            | 14   | 5.462G            | 15   | 5.313G            | 16   | 5.655G            |
| 17                                               | 5.523G            | 18   | 5.390G            | 19   | 5.282G            | 20   | 5.273G            |
| 21                                               | 5.339G            | 22   | 5.595G            | 23   | 5.434G            | 24   | 5.300G            |
| 25                                               | 5.351G            | 26   | 5.617G            | 27   | 5.250G            | 28   | 5.436G            |
| 29                                               | 5.605G            | 30   | 5.508G            | 31   | 5.307G            | 32   | 5.636G            |
| 33                                               | 5.294G            | 34   | 5.401G            | 35   | 5.601G            | 36   | 5.460G            |
| 37                                               | 5.587G            | 38   | 5.324G            | 39   | 5.314G            | 40   | 5.349G            |
| 41                                               | 5.654G            | 42   | 5.576G            | 43   | 5.432G            | 44   | 5.413G            |
| 45                                               | 5.538G            | 46   | 5.336G            | 47   | 5.378G            | 48   | 5.702G            |
| 49                                               | 5.542G            | 50   | 5.417G            | 51   | 5.723G            | 52   | 5.374G            |
| 53                                               | 5.535G            | 54   | 5.485G            | 55   | 5.302G            | 56   | 5.635G            |
| 57                                               | 5.384G            | 58   | 5.503G            | 59   | 5.387G            | 60   | 5.575G            |
| 61                                               | 5.465G            | 62   | 5.297G            | 63   | 5.440G            | 64   | 5.602G            |
| 65                                               | 5.691G            | 66   | 5.715G            | 67   | 5.565G            | 68   | 5.579G            |
| 69                                               | 5.698G            | 70   | 5.500G            | 71   | 5.252G            | 72   | 5.649G            |
| 73                                               | 5.272G            | 74   | 5.589G            | 75   | 5.711G            | 76   | 5.712G            |
| 77                                               | 5.359G            | 78   | 5.592G            | 79   | 5.624G            | 80   | 5.671G            |
| 81                                               | 5.545G            | 82   | 5.402G            | 83   | 5.445G            | 84   | 5.514G            |
| 85                                               | 5.549G            | 86   | 5.291G            | 87   | 5.317G            | 88   | 5.299G            |
| 89                                               | 5.501G            | 90   | 5.554G            | 91   | 5.293G            | 92   | 5.285G            |
| 93                                               | 5.546G            | 94   | 5.253G            | 95   | 5.379G            | 96   | 5.551G            |
| 97                                               | 5.350G            | 98   | 5.550G            | 99   | 5.447G            | 100  | 5.358G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.376G            | 2    | 5.709G            | 3    | 5.610G            | 4    | 5.380G            |
| 5                                                | 5.421G            | 6    | 5.506G            | 7    | 5.294G            | 8    | 5.373G            |
| 9                                                | 5.669G            | 10   | 5.716G            | 11   | 5.589G            | 12   | 5.307G            |
| 13                                               | 5.429G            | 14   | 5.651G            | 15   | 5.275G            | 16   | 5.478G            |
| 17                                               | 5.720G            | 18   | 5.667G            | 19   | 5.272G            | 20   | 5.534G            |
| 21                                               | 5.629G            | 22   | 5.405G            | 23   | 5.447G            | 24   | 5.543G            |
| 25                                               | 5.495G            | 26   | 5.279G            | 27   | 5.719G            | 28   | 5.444G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.578G | 30 | 5.512G | 31 | 5.408G | 32  | 5.250G |
| 33 | 5.263G | 34 | 5.372G | 35 | 5.295G | 36  | 5.433G |
| 37 | 5.445G | 38 | 5.586G | 39 | 5.609G | 40  | 5.381G |
| 41 | 5.661G | 42 | 5.655G | 43 | 5.469G | 44  | 5.273G |
| 45 | 5.497G | 46 | 5.717G | 47 | 5.356G | 48  | 5.611G |
| 49 | 5.422G | 50 | 5.439G | 51 | 5.620G | 52  | 5.260G |
| 53 | 5.350G | 54 | 5.282G | 55 | 5.666G | 56  | 5.701G |
| 57 | 5.575G | 58 | 5.633G | 59 | 5.472G | 60  | 5.367G |
| 61 | 5.454G | 62 | 5.416G | 63 | 5.508G | 64  | 5.340G |
| 65 | 5.718G | 66 | 5.561G | 67 | 5.283G | 68  | 5.274G |
| 69 | 5.514G | 70 | 5.568G | 71 | 5.361G | 72  | 5.605G |
| 73 | 5.715G | 74 | 5.639G | 75 | 5.576G | 76  | 5.658G |
| 77 | 5.379G | 78 | 5.300G | 79 | 5.482G | 80  | 5.311G |
| 81 | 5.265G | 82 | 5.501G | 83 | 5.523G | 84  | 5.480G |
| 85 | 5.479G | 86 | 5.722G | 87 | 5.335G | 88  | 5.359G |
| 89 | 5.413G | 90 | 5.425G | 91 | 5.516G | 92  | 5.532G |
| 93 | 5.407G | 94 | 5.343G | 95 | 5.419G | 96  | 5.703G |
| 97 | 5.711G | 98 | 5.527G | 99 | 5.695G | 100 | 5.546G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.357G            | 2    | 5.382G            | 3    | 5.464G            | 4    | 5.556G            |
| 5                                                | 5.456G            | 6    | 5.458G            | 7    | 5.300G            | 8    | 5.616G            |
| 9                                                | 5.582G            | 10   | 5.499G            | 11   | 5.618G            | 12   | 5.402G            |
| 13                                               | 5.250G            | 14   | 5.684G            | 15   | 5.620G            | 16   | 5.723G            |
| 17                                               | 5.265G            | 18   | 5.379G            | 19   | 5.632G            | 20   | 5.486G            |
| 21                                               | 5.606G            | 22   | 5.496G            | 23   | 5.507G            | 24   | 5.411G            |
| 25                                               | 5.598G            | 26   | 5.435G            | 27   | 5.587G            | 28   | 5.373G            |
| 29                                               | 5.381G            | 30   | 5.344G            | 31   | 5.672G            | 32   | 5.480G            |
| 33                                               | 5.455G            | 34   | 5.296G            | 35   | 5.715G            | 36   | 5.409G            |
| 37                                               | 5.371G            | 38   | 5.539G            | 39   | 5.336G            | 40   | 5.557G            |
| 41                                               | 5.506G            | 42   | 5.254G            | 43   | 5.669G            | 44   | 5.405G            |
| 45                                               | 5.420G            | 46   | 5.714G            | 47   | 5.528G            | 48   | 5.701G            |
| 49                                               | 5.363G            | 50   | 5.626G            | 51   | 5.438G            | 52   | 5.542G            |
| 53                                               | 5.685G            | 54   | 5.568G            | 55   | 5.599G            | 56   | 5.595G            |
| 57                                               | 5.299G            | 58   | 5.580G            | 59   | 5.416G            | 60   | 5.372G            |
| 61                                               | 5.312G            | 62   | 5.629G            | 63   | 5.561G            | 64   | 5.393G            |
| 65                                               | 5.307G            | 66   | 5.313G            | 67   | 5.414G            | 68   | 5.417G            |
| 69                                               | 5.696G            | 70   | 5.719G            | 71   | 5.690G            | 72   | 5.627G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.617G | 74 | 5.636G | 75 | 5.404G | 76  | 5.593G |
| 77 | 5.678G | 78 | 5.399G | 79 | 5.491G | 80  | 5.304G |
| 81 | 5.643G | 82 | 5.608G | 83 | 5.392G | 84  | 5.263G |
| 85 | 5.589G | 86 | 5.466G | 87 | 5.425G | 88  | 5.553G |
| 89 | 5.707G | 90 | 5.453G | 91 | 5.332G | 92  | 5.590G |
| 93 | 5.594G | 94 | 5.272G | 95 | 5.328G | 96  | 5.708G |
| 97 | 5.449G | 98 | 5.298G | 99 | 5.348G | 100 | 5.365G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.665G            | 2    | 5.500G            | 3    | 5.273G            | 4    | 5.495G            |
| 5                                                | 5.656G            | 6    | 5.481G            | 7    | 5.396G            | 8    | 5.355G            |
| 9                                                | 5.567G            | 10   | 5.431G            | 11   | 5.337G            | 12   | 5.473G            |
| 13                                               | 5.504G            | 14   | 5.320G            | 15   | 5.520G            | 16   | 5.685G            |
| 17                                               | 5.574G            | 18   | 5.638G            | 19   | 5.477G            | 20   | 5.306G            |
| 21                                               | 5.357G            | 22   | 5.255G            | 23   | 5.679G            | 24   | 5.258G            |
| 25                                               | 5.720G            | 26   | 5.564G            | 27   | 5.523G            | 28   | 5.696G            |
| 29                                               | 5.445G            | 30   | 5.290G            | 31   | 5.503G            | 32   | 5.681G            |
| 33                                               | 5.310G            | 34   | 5.446G            | 35   | 5.385G            | 36   | 5.551G            |
| 37                                               | 5.578G            | 38   | 5.279G            | 39   | 5.457G            | 40   | 5.430G            |
| 41                                               | 5.484G            | 42   | 5.657G            | 43   | 5.558G            | 44   | 5.518G            |
| 45                                               | 5.709G            | 46   | 5.492G            | 47   | 5.552G            | 48   | 5.597G            |
| 49                                               | 5.710G            | 50   | 5.527G            | 51   | 5.605G            | 52   | 5.266G            |
| 53                                               | 5.331G            | 54   | 5.300G            | 55   | 5.704G            | 56   | 5.667G            |
| 57                                               | 5.405G            | 58   | 5.352G            | 59   | 5.723G            | 60   | 5.269G            |
| 61                                               | 5.475G            | 62   | 5.659G            | 63   | 5.347G            | 64   | 5.555G            |
| 65                                               | 5.458G            | 66   | 5.628G            | 67   | 5.722G            | 68   | 5.646G            |
| 69                                               | 5.630G            | 70   | 5.340G            | 71   | 5.448G            | 72   | 5.391G            |
| 73                                               | 5.435G            | 74   | 5.612G            | 75   | 5.272G            | 76   | 5.314G            |
| 77                                               | 5.327G            | 78   | 5.476G            | 79   | 5.386G            | 80   | 5.381G            |
| 81                                               | 5.617G            | 82   | 5.443G            | 83   | 5.345G            | 84   | 5.607G            |
| 85                                               | 5.631G            | 86   | 5.374G            | 87   | 5.260G            | 88   | 5.261G            |
| 89                                               | 5.714G            | 90   | 5.287G            | 91   | 5.680G            | 92   | 5.451G            |
| 93                                               | 5.541G            | 94   | 5.265G            | 95   | 5.294G            | 96   | 5.399G            |
| 97                                               | 5.377G            | 98   | 5.432G            | 99   | 5.307G            | 100  | 5.707G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.388G            | 2    | 5.353G            | 3    | 5.492G            | 4    | 5.545G            |
| 5                                                | 5.604G            | 6    | 5.585G            | 7    | 5.355G            | 8    | 5.720G            |
| 9                                                | 5.570G            | 10   | 5.403G            | 11   | 5.454G            | 12   | 5.258G            |
| 13                                               | 5.326G            | 14   | 5.573G            | 15   | 5.342G            | 16   | 5.562G            |
| 17                                               | 5.327G            | 18   | 5.348G            | 19   | 5.634G            | 20   | 5.499G            |
| 21                                               | 5.537G            | 22   | 5.451G            | 23   | 5.554G            | 24   | 5.260G            |
| 25                                               | 5.672G            | 26   | 5.627G            | 27   | 5.300G            | 28   | 5.712G            |
| 29                                               | 5.268G            | 30   | 5.603G            | 31   | 5.558G            | 32   | 5.387G            |
| 33                                               | 5.669G            | 34   | 5.619G            | 35   | 5.701G            | 36   | 5.504G            |
| 37                                               | 5.675G            | 38   | 5.709G            | 39   | 5.394G            | 40   | 5.589G            |
| 41                                               | 5.312G            | 42   | 5.459G            | 43   | 5.686G            | 44   | 5.599G            |
| 45                                               | 5.722G            | 46   | 5.445G            | 47   | 5.255G            | 48   | 5.270G            |
| 49                                               | 5.616G            | 50   | 5.567G            | 51   | 5.252G            | 52   | 5.430G            |
| 53                                               | 5.421G            | 54   | 5.310G            | 55   | 5.593G            | 56   | 5.569G            |
| 57                                               | 5.291G            | 58   | 5.611G            | 59   | 5.439G            | 60   | 5.356G            |
| 61                                               | 5.704G            | 62   | 5.538G            | 63   | 5.346G            | 64   | 5.607G            |
| 65                                               | 5.267G            | 66   | 5.295G            | 67   | 5.651G            | 68   | 5.527G            |
| 69                                               | 5.621G            | 70   | 5.311G            | 71   | 5.695G            | 72   | 5.697G            |
| 73                                               | 5.413G            | 74   | 5.693G            | 75   | 5.340G            | 76   | 5.673G            |
| 77                                               | 5.516G            | 78   | 5.321G            | 79   | 5.706G            | 80   | 5.333G            |
| 81                                               | 5.638G            | 82   | 5.301G            | 83   | 5.515G            | 84   | 5.389G            |
| 85                                               | 5.602G            | 86   | 5.698G            | 87   | 5.415G            | 88   | 5.369G            |
| 89                                               | 5.436G            | 90   | 5.711G            | 91   | 5.262G            | 92   | 5.650G            |
| 93                                               | 5.450G            | 94   | 5.419G            | 95   | 5.580G            | 96   | 5.282G            |
| 97                                               | 5.305G            | 98   | 5.618G            | 99   | 5.399G            | 100  | 5.581G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.501G            | 2    | 5.702G            | 3    | 5.543G            | 4    | 5.629G            |
| 5                                                | 5.576G            | 6    | 5.687G            | 7    | 5.402G            | 8    | 5.504G            |
| 9                                                | 5.487G            | 10   | 5.293G            | 11   | 5.266G            | 12   | 5.562G            |
| 13                                               | 5.276G            | 14   | 5.282G            | 15   | 5.531G            | 16   | 5.535G            |
| 17                                               | 5.649G            | 18   | 5.361G            | 19   | 5.430G            | 20   | 5.529G            |
| 21                                               | 5.485G            | 22   | 5.523G            | 23   | 5.723G            | 24   | 5.471G            |
| 25                                               | 5.719G            | 26   | 5.253G            | 27   | 5.257G            | 28   | 5.414G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.601G | 30 | 5.621G | 31 | 5.579G | 32  | 5.600G |
| 33 | 5.708G | 34 | 5.469G | 35 | 5.566G | 36  | 5.552G |
| 37 | 5.653G | 38 | 5.612G | 39 | 5.306G | 40  | 5.557G |
| 41 | 5.550G | 42 | 5.321G | 43 | 5.682G | 44  | 5.415G |
| 45 | 5.305G | 46 | 5.505G | 47 | 5.701G | 48  | 5.433G |
| 49 | 5.657G | 50 | 5.404G | 51 | 5.551G | 52  | 5.545G |
| 53 | 5.264G | 54 | 5.339G | 55 | 5.685G | 56  | 5.442G |
| 57 | 5.399G | 58 | 5.636G | 59 | 5.556G | 60  | 5.525G |
| 61 | 5.381G | 62 | 5.666G | 63 | 5.420G | 64  | 5.389G |
| 65 | 5.628G | 66 | 5.397G | 67 | 5.617G | 68  | 5.400G |
| 69 | 5.313G | 70 | 5.391G | 71 | 5.440G | 72  | 5.615G |
| 73 | 5.474G | 74 | 5.307G | 75 | 5.463G | 76  | 5.611G |
| 77 | 5.398G | 78 | 5.340G | 79 | 5.534G | 80  | 5.330G |
| 81 | 5.546G | 82 | 5.284G | 83 | 5.537G | 84  | 5.625G |
| 85 | 5.296G | 86 | 5.259G | 87 | 5.299G | 88  | 5.401G |
| 89 | 5.382G | 90 | 5.547G | 91 | 5.492G | 92  | 5.518G |
| 93 | 5.443G | 94 | 5.376G | 95 | 5.457G | 96  | 5.473G |
| 97 | 5.470G | 98 | 5.539G | 99 | 5.603G | 100 | 5.290G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.471G            | 2    | 5.572G            | 3    | 5.333G            | 4    | 5.307G            |
| 5                                                | 5.392G            | 6    | 5.555G            | 7    | 5.469G            | 8    | 5.531G            |
| 9                                                | 5.523G            | 10   | 5.339G            | 11   | 5.686G            | 12   | 5.538G            |
| 13                                               | 5.512G            | 14   | 5.520G            | 15   | 5.713G            | 16   | 5.621G            |
| 17                                               | 5.660G            | 18   | 5.434G            | 19   | 5.613G            | 20   | 5.430G            |
| 21                                               | 5.387G            | 22   | 5.589G            | 23   | 5.273G            | 24   | 5.385G            |
| 25                                               | 5.299G            | 26   | 5.619G            | 27   | 5.458G            | 28   | 5.563G            |
| 29                                               | 5.679G            | 30   | 5.446G            | 31   | 5.399G            | 32   | 5.321G            |
| 33                                               | 5.297G            | 34   | 5.647G            | 35   | 5.432G            | 36   | 5.668G            |
| 37                                               | 5.271G            | 38   | 5.503G            | 39   | 5.353G            | 40   | 5.290G            |
| 41                                               | 5.376G            | 42   | 5.326G            | 43   | 5.500G            | 44   | 5.675G            |
| 45                                               | 5.316G            | 46   | 5.580G            | 47   | 5.501G            | 48   | 5.677G            |
| 49                                               | 5.554G            | 50   | 5.415G            | 51   | 5.709G            | 52   | 5.498G            |
| 53                                               | 5.528G            | 54   | 5.288G            | 55   | 5.449G            | 56   | 5.630G            |
| 57                                               | 5.417G            | 58   | 5.536G            | 59   | 5.255G            | 60   | 5.639G            |
| 61                                               | 5.669G            | 62   | 5.482G            | 63   | 5.324G            | 64   | 5.591G            |
| 65                                               | 5.452G            | 66   | 5.502G            | 67   | 5.567G            | 68   | 5.542G            |
| 69                                               | 5.251G            | 70   | 5.718G            | 71   | 5.436G            | 72   | 5.695G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.348G | 74 | 5.525G | 75 | 5.358G | 76  | 5.466G |
| 77 | 5.470G | 78 | 5.712G | 79 | 5.314G | 80  | 5.394G |
| 81 | 5.263G | 82 | 5.391G | 83 | 5.625G | 84  | 5.483G |
| 85 | 5.666G | 86 | 5.537G | 87 | 5.517G | 88  | 5.653G |
| 89 | 5.429G | 90 | 5.305G | 91 | 5.607G | 92  | 5.298G |
| 93 | 5.284G | 94 | 5.687G | 95 | 5.426G | 96  | 5.623G |
| 97 | 5.453G | 98 | 5.388G | 99 | 5.673G | 100 | 5.608G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.673G            | 2    | 5.401G            | 3    | 5.697G            | 4    | 5.716G            |
| 5                                                | 5.619G            | 6    | 5.251G            | 7    | 5.708G            | 8    | 5.499G            |
| 9                                                | 5.294G            | 10   | 5.565G            | 11   | 5.300G            | 12   | 5.593G            |
| 13                                               | 5.567G            | 14   | 5.549G            | 15   | 5.581G            | 16   | 5.598G            |
| 17                                               | 5.364G            | 18   | 5.571G            | 19   | 5.720G            | 20   | 5.589G            |
| 21                                               | 5.486G            | 22   | 5.534G            | 23   | 5.301G            | 24   | 5.569G            |
| 25                                               | 5.487G            | 26   | 5.652G            | 27   | 5.703G            | 28   | 5.586G            |
| 29                                               | 5.426G            | 30   | 5.509G            | 31   | 5.514G            | 32   | 5.525G            |
| 33                                               | 5.590G            | 34   | 5.453G            | 35   | 5.513G            | 36   | 5.685G            |
| 37                                               | 5.398G            | 38   | 5.602G            | 39   | 5.632G            | 40   | 5.377G            |
| 41                                               | 5.459G            | 42   | 5.664G            | 43   | 5.686G            | 44   | 5.408G            |
| 45                                               | 5.292G            | 46   | 5.307G            | 47   | 5.706G            | 48   | 5.387G            |
| 49                                               | 5.696G            | 50   | 5.298G            | 51   | 5.717G            | 52   | 5.721G            |
| 53                                               | 5.478G            | 54   | 5.381G            | 55   | 5.563G            | 56   | 5.468G            |
| 57                                               | 5.416G            | 58   | 5.325G            | 59   | 5.382G            | 60   | 5.680G            |
| 61                                               | 5.670G            | 62   | 5.681G            | 63   | 5.545G            | 64   | 5.316G            |
| 65                                               | 5.639G            | 66   | 5.614G            | 67   | 5.512G            | 68   | 5.419G            |
| 69                                               | 5.272G            | 70   | 5.302G            | 71   | 5.331G            | 72   | 5.659G            |
| 73                                               | 5.679G            | 74   | 5.526G            | 75   | 5.592G            | 76   | 5.576G            |
| 77                                               | 5.719G            | 78   | 5.397G            | 79   | 5.653G            | 80   | 5.551G            |
| 81                                               | 5.395G            | 82   | 5.353G            | 83   | 5.498G            | 84   | 5.405G            |
| 85                                               | 5.692G            | 86   | 5.374G            | 87   | 5.368G            | 88   | 5.434G            |
| 89                                               | 5.492G            | 90   | 5.271G            | 91   | 5.601G            | 92   | 5.273G            |
| 93                                               | 5.475G            | 94   | 5.322G            | 95   | 5.612G            | 96   | 5.350G            |
| 97                                               | 5.362G            | 98   | 5.517G            | 99   | 5.683G            | 100  | 5.712G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.263G            | 2    | 5.355G            | 3    | 5.702G            | 4    | 5.382G            |
| 5                                                | 5.577G            | 6    | 5.648G            | 7    | 5.265G            | 8    | 5.516G            |
| 9                                                | 5.491G            | 10   | 5.566G            | 11   | 5.692G            | 12   | 5.363G            |
| 13                                               | 5.319G            | 14   | 5.469G            | 15   | 5.448G            | 16   | 5.507G            |
| 17                                               | 5.414G            | 18   | 5.708G            | 19   | 5.348G            | 20   | 5.644G            |
| 21                                               | 5.620G            | 22   | 5.449G            | 23   | 5.314G            | 24   | 5.674G            |
| 25                                               | 5.597G            | 26   | 5.723G            | 27   | 5.389G            | 28   | 5.509G            |
| 29                                               | 5.353G            | 30   | 5.317G            | 31   | 5.675G            | 32   | 5.392G            |
| 33                                               | 5.574G            | 34   | 5.568G            | 35   | 5.352G            | 36   | 5.659G            |
| 37                                               | 5.250G            | 38   | 5.408G            | 39   | 5.704G            | 40   | 5.681G            |
| 41                                               | 5.256G            | 42   | 5.388G            | 43   | 5.718G            | 44   | 5.466G            |
| 45                                               | 5.661G            | 46   | 5.270G            | 47   | 5.432G            | 48   | 5.683G            |
| 49                                               | 5.299G            | 50   | 5.627G            | 51   | 5.506G            | 52   | 5.343G            |
| 53                                               | 5.486G            | 54   | 5.366G            | 55   | 5.385G            | 56   | 5.406G            |
| 57                                               | 5.713G            | 58   | 5.709G            | 59   | 5.641G            | 60   | 5.714G            |
| 61                                               | 5.647G            | 62   | 5.460G            | 63   | 5.360G            | 64   | 5.544G            |
| 65                                               | 5.259G            | 66   | 5.722G            | 67   | 5.273G            | 68   | 5.457G            |
| 69                                               | 5.344G            | 70   | 5.303G            | 71   | 5.576G            | 72   | 5.498G            |
| 73                                               | 5.422G            | 74   | 5.439G            | 75   | 5.587G            | 76   | 5.454G            |
| 77                                               | 5.435G            | 78   | 5.676G            | 79   | 5.415G            | 80   | 5.285G            |
| 81                                               | 5.578G            | 82   | 5.545G            | 83   | 5.412G            | 84   | 5.624G            |
| 85                                               | 5.417G            | 86   | 5.530G            | 87   | 5.667G            | 88   | 5.338G            |
| 89                                               | 5.612G            | 90   | 5.266G            | 91   | 5.337G            | 92   | 5.476G            |
| 93                                               | 5.588G            | 94   | 5.690G            | 95   | 5.345G            | 96   | 5.482G            |
| 97                                               | 5.444G            | 98   | 5.295G            | 99   | 5.419G            | 100  | 5.426G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.302G            | 2    | 5.691G            | 3    | 5.421G            | 4    | 5.695G            |
| 5                                                | 5.673G            | 6    | 5.539G            | 7    | 5.484G            | 8    | 5.367G            |
| 9                                                | 5.665G            | 10   | 5.344G            | 11   | 5.590G            | 12   | 5.321G            |
| 13                                               | 5.305G            | 14   | 5.292G            | 15   | 5.576G            | 16   | 5.718G            |
| 17                                               | 5.328G            | 18   | 5.573G            | 19   | 5.361G            | 20   | 5.331G            |
| 21                                               | 5.708G            | 22   | 5.516G            | 23   | 5.338G            | 24   | 5.629G            |
| 25                                               | 5.680G            | 26   | 5.415G            | 27   | 5.351G            | 28   | 5.264G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.528G | 30 | 5.488G | 31 | 5.561G | 32  | 5.541G |
| 33 | 5.563G | 34 | 5.723G | 35 | 5.411G | 36  | 5.591G |
| 37 | 5.621G | 38 | 5.668G | 39 | 5.659G | 40  | 5.623G |
| 41 | 5.323G | 42 | 5.373G | 43 | 5.630G | 44  | 5.538G |
| 45 | 5.717G | 46 | 5.453G | 47 | 5.451G | 48  | 5.520G |
| 49 | 5.505G | 50 | 5.575G | 51 | 5.641G | 52  | 5.554G |
| 53 | 5.587G | 54 | 5.669G | 55 | 5.314G | 56  | 5.420G |
| 57 | 5.645G | 58 | 5.459G | 59 | 5.664G | 60  | 5.329G |
| 61 | 5.567G | 62 | 5.464G | 63 | 5.359G | 64  | 5.706G |
| 65 | 5.596G | 66 | 5.434G | 67 | 5.482G | 68  | 5.313G |
| 69 | 5.676G | 70 | 5.529G | 71 | 5.369G | 72  | 5.504G |
| 73 | 5.388G | 74 | 5.315G | 75 | 5.435G | 76  | 5.483G |
| 77 | 5.282G | 78 | 5.704G | 79 | 5.337G | 80  | 5.307G |
| 81 | 5.465G | 82 | 5.412G | 83 | 5.477G | 84  | 5.372G |
| 85 | 5.447G | 86 | 5.322G | 87 | 5.617G | 88  | 5.707G |
| 89 | 5.506G | 90 | 5.310G | 91 | 5.517G | 92  | 5.527G |
| 93 | 5.526G | 94 | 5.425G | 95 | 5.709G | 96  | 5.386G |
| 97 | 5.540G | 98 | 5.259G | 99 | 5.558G | 100 | 5.345G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.654G            | 2    | 5.398G            | 3    | 5.470G            | 4    | 5.660G            |
| 5                                                | 5.519G            | 6    | 5.321G            | 7    | 5.527G            | 8    | 5.513G            |
| 9                                                | 5.293G            | 10   | 5.600G            | 11   | 5.440G            | 12   | 5.302G            |
| 13                                               | 5.363G            | 14   | 5.491G            | 15   | 5.637G            | 16   | 5.450G            |
| 17                                               | 5.457G            | 18   | 5.683G            | 19   | 5.390G            | 20   | 5.535G            |
| 21                                               | 5.388G            | 22   | 5.546G            | 23   | 5.472G            | 24   | 5.534G            |
| 25                                               | 5.386G            | 26   | 5.595G            | 27   | 5.543G            | 28   | 5.394G            |
| 29                                               | 5.471G            | 30   | 5.320G            | 31   | 5.634G            | 32   | 5.458G            |
| 33                                               | 5.719G            | 34   | 5.566G            | 35   | 5.407G            | 36   | 5.677G            |
| 37                                               | 5.565G            | 38   | 5.524G            | 39   | 5.716G            | 40   | 5.681G            |
| 41                                               | 5.718G            | 42   | 5.486G            | 43   | 5.496G            | 44   | 5.709G            |
| 45                                               | 5.481G            | 46   | 5.482G            | 47   | 5.655G            | 48   | 5.572G            |
| 49                                               | 5.377G            | 50   | 5.704G            | 51   | 5.373G            | 52   | 5.528G            |
| 53                                               | 5.706G            | 54   | 5.666G            | 55   | 5.622G            | 56   | 5.614G            |
| 57                                               | 5.627G            | 58   | 5.349G            | 59   | 5.515G            | 60   | 5.422G            |
| 61                                               | 5.501G            | 62   | 5.617G            | 63   | 5.253G            | 64   | 5.281G            |
| 65                                               | 5.287G            | 66   | 5.526G            | 67   | 5.542G            | 68   | 5.673G            |
| 69                                               | 5.261G            | 70   | 5.498G            | 71   | 5.435G            | 72   | 5.480G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.705G | 74 | 5.668G | 75 | 5.618G | 76  | 5.536G |
| 77 | 5.484G | 78 | 5.529G | 79 | 5.343G | 80  | 5.374G |
| 81 | 5.339G | 82 | 5.552G | 83 | 5.478G | 84  | 5.475G |
| 85 | 5.446G | 86 | 5.329G | 87 | 5.620G | 88  | 5.447G |
| 89 | 5.341G | 90 | 5.304G | 91 | 5.588G | 92  | 5.591G |
| 93 | 5.477G | 94 | 5.664G | 95 | 5.334G | 96  | 5.357G |
| 97 | 5.667G | 98 | 5.579G | 99 | 5.506G | 100 | 5.412G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.675G         | 2    | 5.480G         | 3    | 5.267G         | 4    | 5.630G         |
| 5                                                | 5.596G         | 6    | 5.633G         | 7    | 5.253G         | 8    | 5.317G         |
| 9                                                | 5.273G         | 10   | 5.362G         | 11   | 5.522G         | 12   | 5.594G         |
| 13                                               | 5.642G         | 14   | 5.547G         | 15   | 5.503G         | 16   | 5.672G         |
| 17                                               | 5.449G         | 18   | 5.316G         | 19   | 5.569G         | 20   | 5.555G         |
| 21                                               | 5.498G         | 22   | 5.710G         | 23   | 5.722G         | 24   | 5.682G         |
| 25                                               | 5.308G         | 26   | 5.598G         | 27   | 5.276G         | 28   | 5.495G         |
| 29                                               | 5.493G         | 30   | 5.593G         | 31   | 5.643G         | 32   | 5.377G         |
| 33                                               | 5.670G         | 34   | 5.294G         | 35   | 5.369G         | 36   | 5.714G         |
| 37                                               | 5.516G         | 38   | 5.648G         | 39   | 5.357G         | 40   | 5.621G         |
| 41                                               | 5.264G         | 42   | 5.261G         | 43   | 5.504G         | 44   | 5.392G         |
| 45                                               | 5.295G         | 46   | 5.334G         | 47   | 5.439G         | 48   | 5.305G         |
| 49                                               | 5.581G         | 50   | 5.624G         | 51   | 5.272G         | 52   | 5.297G         |
| 53                                               | 5.488G         | 54   | 5.629G         | 55   | 5.304G         | 56   | 5.368G         |
| 57                                               | 5.391G         | 58   | 5.379G         | 59   | 5.274G         | 60   | 5.263G         |
| 61                                               | 5.687G         | 62   | 5.285G         | 63   | 5.639G         | 64   | 5.347G         |
| 65                                               | 5.640G         | 66   | 5.579G         | 67   | 5.278G         | 68   | 5.705G         |
| 69                                               | 5.491G         | 70   | 5.250G         | 71   | 5.592G         | 72   | 5.344G         |
| 73                                               | 5.560G         | 74   | 5.321G         | 75   | 5.646G         | 76   | 5.563G         |
| 77                                               | 5.339G         | 78   | 5.453G         | 79   | 5.677G         | 80   | 5.507G         |
| 81                                               | 5.605G         | 82   | 5.617G         | 83   | 5.389G         | 84   | 5.462G         |
| 85                                               | 5.378G         | 86   | 5.390G         | 87   | 5.583G         | 88   | 5.469G         |
| 89                                               | 5.338G         | 90   | 5.568G         | 91   | 5.448G         | 92   | 5.329G         |
| 93                                               | 5.388G         | 94   | 5.380G         | 95   | 5.564G         | 96   | 5.418G         |
| 97                                               | 5.668G         | 98   | 5.303G         | 99   | 5.693G         | 100  | 5.404G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.553G            | 2    | 5.630G            | 3    | 5.296G            | 4    | 5.685G            |
| 5                                                | 5.719G            | 6    | 5.441G            | 7    | 5.582G            | 8    | 5.386G            |
| 9                                                | 5.563G            | 10   | 5.689G            | 11   | 5.663G            | 12   | 5.610G            |
| 13                                               | 5.456G            | 14   | 5.352G            | 15   | 5.524G            | 16   | 5.586G            |
| 17                                               | 5.435G            | 18   | 5.270G            | 19   | 5.353G            | 20   | 5.534G            |
| 21                                               | 5.575G            | 22   | 5.470G            | 23   | 5.465G            | 24   | 5.671G            |
| 25                                               | 5.278G            | 26   | 5.604G            | 27   | 5.406G            | 28   | 5.475G            |
| 29                                               | 5.652G            | 30   | 5.550G            | 31   | 5.381G            | 32   | 5.443G            |
| 33                                               | 5.531G            | 34   | 5.307G            | 35   | 5.411G            | 36   | 5.634G            |
| 37                                               | 5.412G            | 38   | 5.568G            | 39   | 5.709G            | 40   | 5.626G            |
| 41                                               | 5.339G            | 42   | 5.621G            | 43   | 5.469G            | 44   | 5.327G            |
| 45                                               | 5.560G            | 46   | 5.501G            | 47   | 5.362G            | 48   | 5.314G            |
| 49                                               | 5.640G            | 50   | 5.667G            | 51   | 5.650G            | 52   | 5.710G            |
| 53                                               | 5.287G            | 54   | 5.544G            | 55   | 5.500G            | 56   | 5.617G            |
| 57                                               | 5.419G            | 58   | 5.334G            | 59   | 5.683G            | 60   | 5.533G            |
| 61                                               | 5.678G            | 62   | 5.447G            | 63   | 5.497G            | 64   | 5.715G            |
| 65                                               | 5.397G            | 66   | 5.356G            | 67   | 5.450G            | 68   | 5.658G            |
| 69                                               | 5.257G            | 70   | 5.618G            | 71   | 5.635G            | 72   | 5.696G            |
| 73                                               | 5.448G            | 74   | 5.371G            | 75   | 5.514G            | 76   | 5.579G            |
| 77                                               | 5.496G            | 78   | 5.439G            | 79   | 5.330G            | 80   | 5.250G            |
| 81                                               | 5.698G            | 82   | 5.482G            | 83   | 5.651G            | 84   | 5.564G            |
| 85                                               | 5.429G            | 86   | 5.494G            | 87   | 5.616G            | 88   | 5.676G            |
| 89                                               | 5.251G            | 90   | 5.253G            | 91   | 5.272G            | 92   | 5.644G            |
| 93                                               | 5.393G            | 94   | 5.628G            | 95   | 5.313G            | 96   | 5.665G            |
| 97                                               | 5.446G            | 98   | 5.624G            | 99   | 5.389G            | 100  | 5.484G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.580G            | 2    | 5.447G            | 3    | 5.392G            | 4    | 5.691G            |
| 5                                                | 5.576G            | 6    | 5.444G            | 7    | 5.397G            | 8    | 5.477G            |
| 9                                                | 5.296G            | 10   | 5.288G            | 11   | 5.323G            | 12   | 5.608G            |
| 13                                               | 5.325G            | 14   | 5.313G            | 15   | 5.307G            | 16   | 5.350G            |
| 17                                               | 5.345G            | 18   | 5.396G            | 19   | 5.367G            | 20   | 5.648G            |
| 21                                               | 5.717G            | 22   | 5.577G            | 23   | 5.373G            | 24   | 5.401G            |
| 25                                               | 5.537G            | 26   | 5.438G            | 27   | 5.375G            | 28   | 5.689G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.501G | 30 | 5.498G | 31 | 5.380G | 32  | 5.439G |
| 33 | 5.340G | 34 | 5.645G | 35 | 5.348G | 36  | 5.636G |
| 37 | 5.533G | 38 | 5.437G | 39 | 5.329G | 40  | 5.291G |
| 41 | 5.363G | 42 | 5.278G | 43 | 5.298G | 44  | 5.255G |
| 45 | 5.667G | 46 | 5.379G | 47 | 5.626G | 48  | 5.354G |
| 49 | 5.374G | 50 | 5.364G | 51 | 5.299G | 52  | 5.552G |
| 53 | 5.609G | 54 | 5.459G | 55 | 5.508G | 56  | 5.516G |
| 57 | 5.641G | 58 | 5.446G | 59 | 5.661G | 60  | 5.700G |
| 61 | 5.633G | 62 | 5.346G | 63 | 5.337G | 64  | 5.642G |
| 65 | 5.388G | 66 | 5.265G | 67 | 5.586G | 68  | 5.435G |
| 69 | 5.318G | 70 | 5.674G | 71 | 5.623G | 72  | 5.594G |
| 73 | 5.272G | 74 | 5.680G | 75 | 5.565G | 76  | 5.721G |
| 77 | 5.341G | 78 | 5.338G | 79 | 5.562G | 80  | 5.409G |
| 81 | 5.614G | 82 | 5.369G | 83 | 5.475G | 84  | 5.544G |
| 85 | 5.649G | 86 | 5.411G | 87 | 5.327G | 88  | 5.651G |
| 89 | 5.500G | 90 | 5.520G | 91 | 5.257G | 92  | 5.551G |
| 93 | 5.583G | 94 | 5.424G | 95 | 5.541G | 96  | 5.723G |
| 97 | 5.601G | 98 | 5.322G | 99 | 5.620G | 100 | 5.557G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.634G            | 2    | 5.567G            | 3    | 5.338G            | 4    | 5.557G            |
| 5                                                | 5.457G            | 6    | 5.390G            | 7    | 5.337G            | 8    | 5.443G            |
| 9                                                | 5.667G            | 10   | 5.418G            | 11   | 5.452G            | 12   | 5.349G            |
| 13                                               | 5.485G            | 14   | 5.437G            | 15   | 5.287G            | 16   | 5.377G            |
| 17                                               | 5.324G            | 18   | 5.583G            | 19   | 5.306G            | 20   | 5.578G            |
| 21                                               | 5.712G            | 22   | 5.684G            | 23   | 5.588G            | 24   | 5.343G            |
| 25                                               | 5.267G            | 26   | 5.657G            | 27   | 5.651G            | 28   | 5.496G            |
| 29                                               | 5.478G            | 30   | 5.671G            | 31   | 5.367G            | 32   | 5.462G            |
| 33                                               | 5.609G            | 34   | 5.624G            | 35   | 5.255G            | 36   | 5.332G            |
| 37                                               | 5.399G            | 38   | 5.703G            | 39   | 5.385G            | 40   | 5.545G            |
| 41                                               | 5.436G            | 42   | 5.266G            | 43   | 5.469G            | 44   | 5.560G            |
| 45                                               | 5.273G            | 46   | 5.431G            | 47   | 5.401G            | 48   | 5.600G            |
| 49                                               | 5.364G            | 50   | 5.687G            | 51   | 5.561G            | 52   | 5.625G            |
| 53                                               | 5.284G            | 54   | 5.468G            | 55   | 5.422G            | 56   | 5.376G            |
| 57                                               | 5.497G            | 58   | 5.615G            | 59   | 5.659G            | 60   | 5.523G            |
| 61                                               | 5.341G            | 62   | 5.455G            | 63   | 5.409G            | 64   | 5.479G            |
| 65                                               | 5.481G            | 66   | 5.498G            | 67   | 5.280G            | 68   | 5.704G            |
| 69                                               | 5.713G            | 70   | 5.470G            | 71   | 5.366G            | 72   | 5.356G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.416G | 74 | 5.607G | 75 | 5.256G | 76  | 5.454G |
| 77 | 5.275G | 78 | 5.420G | 79 | 5.421G | 80  | 5.627G |
| 81 | 5.714G | 82 | 5.542G | 83 | 5.281G | 84  | 5.289G |
| 85 | 5.359G | 86 | 5.311G | 87 | 5.573G | 88  | 5.645G |
| 89 | 5.623G | 90 | 5.690G | 91 | 5.296G | 92  | 5.465G |
| 93 | 5.373G | 94 | 5.509G | 95 | 5.369G | 96  | 5.282G |
| 97 | 5.372G | 98 | 5.348G | 99 | 5.547G | 100 | 5.681G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.301G         | 2    | 5.473G         | 3    | 5.670G         | 4    | 5.364G         |
| 5                                                | 5.667G         | 6    | 5.471G         | 7    | 5.477G         | 8    | 5.508G         |
| 9                                                | 5.556G         | 10   | 5.320G         | 11   | 5.359G         | 12   | 5.558G         |
| 13                                               | 5.314G         | 14   | 5.581G         | 15   | 5.624G         | 16   | 5.656G         |
| 17                                               | 5.446G         | 18   | 5.502G         | 19   | 5.303G         | 20   | 5.361G         |
| 21                                               | 5.655G         | 22   | 5.485G         | 23   | 5.531G         | 24   | 5.406G         |
| 25                                               | 5.719G         | 26   | 5.565G         | 27   | 5.421G         | 28   | 5.657G         |
| 29                                               | 5.677G         | 30   | 5.307G         | 31   | 5.313G         | 32   | 5.537G         |
| 33                                               | 5.648G         | 34   | 5.542G         | 35   | 5.724G         | 36   | 5.689G         |
| 37                                               | 5.264G         | 38   | 5.611G         | 39   | 5.343G         | 40   | 5.405G         |
| 41                                               | 5.649G         | 42   | 5.414G         | 43   | 5.682G         | 44   | 5.325G         |
| 45                                               | 5.341G         | 46   | 5.296G         | 47   | 5.390G         | 48   | 5.614G         |
| 49                                               | 5.260G         | 50   | 5.567G         | 51   | 5.294G         | 52   | 5.444G         |
| 53                                               | 5.384G         | 54   | 5.275G         | 55   | 5.606G         | 56   | 5.460G         |
| 57                                               | 5.457G         | 58   | 5.373G         | 59   | 5.277G         | 60   | 5.713G         |
| 61                                               | 5.284G         | 62   | 5.602G         | 63   | 5.413G         | 64   | 5.478G         |
| 65                                               | 5.647G         | 66   | 5.544G         | 67   | 5.660G         | 68   | 5.626G         |
| 69                                               | 5.609G         | 70   | 5.439G         | 71   | 5.548G         | 72   | 5.358G         |
| 73                                               | 5.585G         | 74   | 5.643G         | 75   | 5.319G         | 76   | 5.597G         |
| 77                                               | 5.526G         | 78   | 5.554G         | 79   | 5.372G         | 80   | 5.493G         |
| 81                                               | 5.271G         | 82   | 5.340G         | 83   | 5.286G         | 84   | 5.506G         |
| 85                                               | 5.367G         | 86   | 5.662G         | 87   | 5.678G         | 88   | 5.467G         |
| 89                                               | 5.309G         | 90   | 5.424G         | 91   | 5.536G         | 92   | 5.632G         |
| 93                                               | 5.703G         | 94   | 5.386G         | 95   | 5.651G         | 96   | 5.570G         |
| 97                                               | 5.716G         | 98   | 5.253G         | 99   | 5.644G         | 100  | 5.491G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.291G            | 2    | 5.604G            | 3    | 5.711G            | 4    | 5.721G            |
| 5                                                | 5.310G            | 6    | 5.283G            | 7    | 5.413G            | 8    | 5.623G            |
| 9                                                | 5.595G            | 10   | 5.570G            | 11   | 5.603G            | 12   | 5.338G            |
| 13                                               | 5.416G            | 14   | 5.439G            | 15   | 5.432G            | 16   | 5.523G            |
| 17                                               | 5.428G            | 18   | 5.468G            | 19   | 5.334G            | 20   | 5.656G            |
| 21                                               | 5.387G            | 22   | 5.611G            | 23   | 5.608G            | 24   | 5.385G            |
| 25                                               | 5.687G            | 26   | 5.363G            | 27   | 5.622G            | 28   | 5.682G            |
| 29                                               | 5.503G            | 30   | 5.696G            | 31   | 5.565G            | 32   | 5.336G            |
| 33                                               | 5.449G            | 34   | 5.321G            | 35   | 5.396G            | 36   | 5.300G            |
| 37                                               | 5.620G            | 38   | 5.599G            | 39   | 5.456G            | 40   | 5.673G            |
| 41                                               | 5.712G            | 42   | 5.315G            | 43   | 5.355G            | 44   | 5.613G            |
| 45                                               | 5.636G            | 46   | 5.590G            | 47   | 5.312G            | 48   | 5.557G            |
| 49                                               | 5.305G            | 50   | 5.380G            | 51   | 5.605G            | 52   | 5.384G            |
| 53                                               | 5.463G            | 54   | 5.400G            | 55   | 5.451G            | 56   | 5.643G            |
| 57                                               | 5.264G            | 58   | 5.724G            | 59   | 5.415G            | 60   | 5.640G            |
| 61                                               | 5.316G            | 62   | 5.579G            | 63   | 5.267G            | 64   | 5.375G            |
| 65                                               | 5.671G            | 66   | 5.547G            | 67   | 5.391G            | 68   | 5.318G            |
| 69                                               | 5.619G            | 70   | 5.537G            | 71   | 5.342G            | 72   | 5.271G            |
| 73                                               | 5.661G            | 74   | 5.542G            | 75   | 5.669G            | 76   | 5.710G            |
| 77                                               | 5.574G            | 78   | 5.586G            | 79   | 5.524G            | 80   | 5.378G            |
| 81                                               | 5.659G            | 82   | 5.423G            | 83   | 5.644G            | 84   | 5.258G            |
| 85                                               | 5.268G            | 86   | 5.377G            | 87   | 5.462G            | 88   | 5.529G            |
| 89                                               | 5.577G            | 90   | 5.684G            | 91   | 5.628G            | 92   | 5.648G            |
| 93                                               | 5.703G            | 94   | 5.543G            | 95   | 5.641G            | 96   | 5.531G            |
| 97                                               | 5.361G            | 98   | 5.365G            | 99   | 5.297G            | 100  | 5.362G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.289G            | 2    | 5.358G            | 3    | 5.453G            | 4    | 5.440G            |
| 5                                                | 5.312G            | 6    | 5.469G            | 7    | 5.701G            | 8    | 5.292G            |
| 9                                                | 5.309G            | 10   | 5.467G            | 11   | 5.342G            | 12   | 5.695G            |
| 13                                               | 5.525G            | 14   | 5.473G            | 15   | 5.569G            | 16   | 5.529G            |
| 17                                               | 5.334G            | 18   | 5.588G            | 19   | 5.532G            | 20   | 5.592G            |
| 21                                               | 5.443G            | 22   | 5.722G            | 23   | 5.454G            | 24   | 5.508G            |
| 25                                               | 5.378G            | 26   | 5.487G            | 27   | 5.338G            | 28   | 5.496G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.434G | 30 | 5.663G | 31 | 5.633G | 32  | 5.531G |
| 33 | 5.463G | 34 | 5.616G | 35 | 5.630G | 36  | 5.333G |
| 37 | 5.626G | 38 | 5.468G | 39 | 5.363G | 40  | 5.279G |
| 41 | 5.404G | 42 | 5.311G | 43 | 5.683G | 44  | 5.416G |
| 45 | 5.368G | 46 | 5.484G | 47 | 5.310G | 48  | 5.702G |
| 49 | 5.514G | 50 | 5.542G | 51 | 5.421G | 52  | 5.268G |
| 53 | 5.283G | 54 | 5.520G | 55 | 5.457G | 56  | 5.438G |
| 57 | 5.493G | 58 | 5.323G | 59 | 5.266G | 60  | 5.331G |
| 61 | 5.433G | 62 | 5.715G | 63 | 5.682G | 64  | 5.582G |
| 65 | 5.321G | 66 | 5.388G | 67 | 5.585G | 68  | 5.330G |
| 69 | 5.322G | 70 | 5.314G | 71 | 5.551G | 72  | 5.365G |
| 73 | 5.301G | 74 | 5.623G | 75 | 5.401G | 76  | 5.370G |
| 77 | 5.429G | 78 | 5.284G | 79 | 5.271G | 80  | 5.672G |
| 81 | 5.721G | 82 | 5.658G | 83 | 5.351G | 84  | 5.361G |
| 85 | 5.717G | 86 | 5.287G | 87 | 5.714G | 88  | 5.606G |
| 89 | 5.480G | 90 | 5.684G | 91 | 5.318G | 92  | 5.693G |
| 93 | 5.405G | 94 | 5.261G | 95 | 5.485G | 96  | 5.417G |
| 97 | 5.636G | 98 | 5.448G | 99 | 5.698G | 100 | 5.295G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.705G            | 2    | 5.525G            | 3    | 5.712G            | 4    | 5.547G            |
| 5                                                | 5.640G            | 6    | 5.681G            | 7    | 5.450G            | 8    | 5.352G            |
| 9                                                | 5.561G            | 10   | 5.469G            | 11   | 5.558G            | 12   | 5.674G            |
| 13                                               | 5.484G            | 14   | 5.536G            | 15   | 5.527G            | 16   | 5.444G            |
| 17                                               | 5.425G            | 18   | 5.327G            | 19   | 5.359G            | 20   | 5.570G            |
| 21                                               | 5.482G            | 22   | 5.512G            | 23   | 5.301G            | 24   | 5.330G            |
| 25                                               | 5.620G            | 26   | 5.355G            | 27   | 5.615G            | 28   | 5.318G            |
| 29                                               | 5.568G            | 30   | 5.313G            | 31   | 5.454G            | 32   | 5.552G            |
| 33                                               | 5.627G            | 34   | 5.542G            | 35   | 5.488G            | 36   | 5.545G            |
| 37                                               | 5.562G            | 38   | 5.716G            | 39   | 5.515G            | 40   | 5.508G            |
| 41                                               | 5.574G            | 42   | 5.315G            | 43   | 5.480G            | 44   | 5.294G            |
| 45                                               | 5.394G            | 46   | 5.537G            | 47   | 5.585G            | 48   | 5.328G            |
| 49                                               | 5.297G            | 50   | 5.688G            | 51   | 5.332G            | 52   | 5.581G            |
| 53                                               | 5.380G            | 54   | 5.576G            | 55   | 5.451G            | 56   | 5.284G            |
| 57                                               | 5.452G            | 58   | 5.422G            | 59   | 5.486G            | 60   | 5.507G            |
| 61                                               | 5.524G            | 62   | 5.575G            | 63   | 5.329G            | 64   | 5.283G            |
| 65                                               | 5.580G            | 66   | 5.291G            | 67   | 5.416G            | 68   | 5.643G            |
| 69                                               | 5.619G            | 70   | 5.589G            | 71   | 5.320G            | 72   | 5.711G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.434G | 74 | 5.473G | 75 | 5.555G | 76  | 5.504G |
| 77 | 5.541G | 78 | 5.260G | 79 | 5.461G | 80  | 5.350G |
| 81 | 5.715G | 82 | 5.456G | 83 | 5.679G | 84  | 5.676G |
| 85 | 5.638G | 86 | 5.478G | 87 | 5.288G | 88  | 5.277G |
| 89 | 5.393G | 90 | 5.466G | 91 | 5.341G | 92  | 5.386G |
| 93 | 5.666G | 94 | 5.453G | 95 | 5.337G | 96  | 5.358G |
| 97 | 5.455G | 98 | 5.413G | 99 | 5.254G | 100 | 5.414G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.380G            | 2    | 5.680G            | 3    | 5.652G            | 4    | 5.398G            |
| 5                                                | 5.386G            | 6    | 5.422G            | 7    | 5.353G            | 8    | 5.369G            |
| 9                                                | 5.283G            | 10   | 5.578G            | 11   | 5.468G            | 12   | 5.405G            |
| 13                                               | 5.645G            | 14   | 5.605G            | 15   | 5.642G            | 16   | 5.312G            |
| 17                                               | 5.449G            | 18   | 5.464G            | 19   | 5.370G            | 20   | 5.383G            |
| 21                                               | 5.539G            | 22   | 5.653G            | 23   | 5.389G            | 24   | 5.570G            |
| 25                                               | 5.723G            | 26   | 5.697G            | 27   | 5.639G            | 28   | 5.598G            |
| 29                                               | 5.450G            | 30   | 5.676G            | 31   | 5.553G            | 32   | 5.257G            |
| 33                                               | 5.621G            | 34   | 5.296G            | 35   | 5.604G            | 36   | 5.366G            |
| 37                                               | 5.618G            | 38   | 5.318G            | 39   | 5.537G            | 40   | 5.626G            |
| 41                                               | 5.611G            | 42   | 5.499G            | 43   | 5.270G            | 44   | 5.359G            |
| 45                                               | 5.647G            | 46   | 5.409G            | 47   | 5.679G            | 48   | 5.686G            |
| 49                                               | 5.620G            | 50   | 5.555G            | 51   | 5.658G            | 52   | 5.334G            |
| 53                                               | 5.475G            | 54   | 5.328G            | 55   | 5.377G            | 56   | 5.674G            |
| 57                                               | 5.264G            | 58   | 5.517G            | 59   | 5.385G            | 60   | 5.254G            |
| 61                                               | 5.397G            | 62   | 5.443G            | 63   | 5.478G            | 64   | 5.584G            |
| 65                                               | 5.648G            | 66   | 5.547G            | 67   | 5.378G            | 68   | 5.687G            |
| 69                                               | 5.519G            | 70   | 5.396G            | 71   | 5.518G            | 72   | 5.597G            |
| 73                                               | 5.702G            | 74   | 5.348G            | 75   | 5.581G            | 76   | 5.567G            |
| 77                                               | 5.271G            | 78   | 5.454G            | 79   | 5.325G            | 80   | 5.573G            |
| 81                                               | 5.552G            | 82   | 5.374G            | 83   | 5.293G            | 84   | 5.544G            |
| 85                                               | 5.282G            | 86   | 5.448G            | 87   | 5.309G            | 88   | 5.612G            |
| 89                                               | 5.395G            | 90   | 5.557G            | 91   | 5.575G            | 92   | 5.323G            |
| 93                                               | 5.319G            | 94   | 5.536G            | 95   | 5.722G            | 96   | 5.387G            |
| 97                                               | 5.551G            | 98   | 5.259G            | 99   | 5.298G            | 100  | 5.582G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.596G            | 2    | 5.649G            | 3    | 5.400G            | 4    | 5.522G            |
| 5                                                | 5.443G            | 6    | 5.391G            | 7    | 5.651G            | 8    | 5.535G            |
| 9                                                | 5.337G            | 10   | 5.268G            | 11   | 5.387G            | 12   | 5.587G            |
| 13                                               | 5.342G            | 14   | 5.274G            | 15   | 5.657G            | 16   | 5.351G            |
| 17                                               | 5.367G            | 18   | 5.565G            | 19   | 5.509G            | 20   | 5.523G            |
| 21                                               | 5.350G            | 22   | 5.280G            | 23   | 5.442G            | 24   | 5.584G            |
| 25                                               | 5.628G            | 26   | 5.422G            | 27   | 5.335G            | 28   | 5.372G            |
| 29                                               | 5.491G            | 30   | 5.462G            | 31   | 5.604G            | 32   | 5.363G            |
| 33                                               | 5.302G            | 34   | 5.658G            | 35   | 5.666G            | 36   | 5.578G            |
| 37                                               | 5.269G            | 38   | 5.263G            | 39   | 5.529G            | 40   | 5.308G            |
| 41                                               | 5.532G            | 42   | 5.287G            | 43   | 5.436G            | 44   | 5.528G            |
| 45                                               | 5.284G            | 46   | 5.689G            | 47   | 5.467G            | 48   | 5.665G            |
| 49                                               | 5.688G            | 50   | 5.333G            | 51   | 5.554G            | 52   | 5.722G            |
| 53                                               | 5.504G            | 54   | 5.285G            | 55   | 5.306G            | 56   | 5.551G            |
| 57                                               | 5.384G            | 58   | 5.580G            | 59   | 5.407G            | 60   | 5.361G            |
| 61                                               | 5.373G            | 62   | 5.676G            | 63   | 5.482G            | 64   | 5.347G            |
| 65                                               | 5.500G            | 66   | 5.710G            | 67   | 5.662G            | 68   | 5.623G            |
| 69                                               | 5.322G            | 70   | 5.612G            | 71   | 5.444G            | 72   | 5.429G            |
| 73                                               | 5.460G            | 74   | 5.629G            | 75   | 5.360G            | 76   | 5.313G            |
| 77                                               | 5.541G            | 78   | 5.416G            | 79   | 5.561G            | 80   | 5.619G            |
| 81                                               | 5.704G            | 82   | 5.300G            | 83   | 5.631G            | 84   | 5.611G            |
| 85                                               | 5.488G            | 86   | 5.618G            | 87   | 5.552G            | 88   | 5.250G            |
| 89                                               | 5.371G            | 90   | 5.258G            | 91   | 5.251G            | 92   | 5.633G            |
| 93                                               | 5.475G            | 94   | 5.639G            | 95   | 5.566G            | 96   | 5.632G            |
| 97                                               | 5.358G            | 98   | 5.617G            | 99   | 5.492G            | 100  | 5.498G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.494G            | 2    | 5.369G            | 3    | 5.704G            | 4    | 5.580G            |
| 5                                                | 5.497G            | 6    | 5.598G            | 7    | 5.462G            | 8    | 5.435G            |
| 9                                                | 5.459G            | 10   | 5.591G            | 11   | 5.559G            | 12   | 5.495G            |
| 13                                               | 5.302G            | 14   | 5.558G            | 15   | 5.609G            | 16   | 5.306G            |
| 17                                               | 5.632G            | 18   | 5.639G            | 19   | 5.425G            | 20   | 5.702G            |
| 21                                               | 5.252G            | 22   | 5.263G            | 23   | 5.427G            | 24   | 5.330G            |
| 25                                               | 5.316G            | 26   | 5.253G            | 27   | 5.687G            | 28   | 5.266G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.692G | 30 | 5.472G | 31 | 5.682G | 32  | 5.708G |
| 33 | 5.719G | 34 | 5.716G | 35 | 5.650G | 36  | 5.717G |
| 37 | 5.350G | 38 | 5.452G | 39 | 5.431G | 40  | 5.429G |
| 41 | 5.319G | 42 | 5.393G | 43 | 5.503G | 44  | 5.620G |
| 45 | 5.290G | 46 | 5.400G | 47 | 5.614G | 48  | 5.312G |
| 49 | 5.568G | 50 | 5.373G | 51 | 5.445G | 52  | 5.636G |
| 53 | 5.634G | 54 | 5.331G | 55 | 5.328G | 56  | 5.483G |
| 57 | 5.303G | 58 | 5.700G | 59 | 5.310G | 60  | 5.505G |
| 61 | 5.590G | 62 | 5.533G | 63 | 5.343G | 64  | 5.711G |
| 65 | 5.551G | 66 | 5.506G | 67 | 5.476G | 68  | 5.407G |
| 69 | 5.398G | 70 | 5.357G | 71 | 5.485G | 72  | 5.292G |
| 73 | 5.612G | 74 | 5.584G | 75 | 5.481G | 76  | 5.694G |
| 77 | 5.264G | 78 | 5.683G | 79 | 5.541G | 80  | 5.475G |
| 81 | 5.693G | 82 | 5.388G | 83 | 5.635G | 84  | 5.555G |
| 85 | 5.608G | 86 | 5.283G | 87 | 5.308G | 88  | 5.493G |
| 89 | 5.570G | 90 | 5.260G | 91 | 5.557G | 92  | 5.411G |
| 93 | 5.413G | 94 | 5.295G | 95 | 5.713G | 96  | 5.507G |
| 97 | 5.451G | 98 | 5.254G | 99 | 5.471G | 100 | 5.709G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.578G            | 2    | 5.505G            | 3    | 5.309G            | 4    | 5.599G            |
| 5                                                | 5.343G            | 6    | 5.532G            | 7    | 5.354G            | 8    | 5.671G            |
| 9                                                | 5.262G            | 10   | 5.602G            | 11   | 5.533G            | 12   | 5.250G            |
| 13                                               | 5.320G            | 14   | 5.632G            | 15   | 5.610G            | 16   | 5.308G            |
| 17                                               | 5.539G            | 18   | 5.717G            | 19   | 5.428G            | 20   | 5.707G            |
| 21                                               | 5.701G            | 22   | 5.442G            | 23   | 5.603G            | 24   | 5.375G            |
| 25                                               | 5.334G            | 26   | 5.706G            | 27   | 5.626G            | 28   | 5.702G            |
| 29                                               | 5.453G            | 30   | 5.703G            | 31   | 5.319G            | 32   | 5.478G            |
| 33                                               | 5.378G            | 34   | 5.520G            | 35   | 5.509G            | 36   | 5.447G            |
| 37                                               | 5.563G            | 38   | 5.678G            | 39   | 5.569G            | 40   | 5.346G            |
| 41                                               | 5.598G            | 42   | 5.596G            | 43   | 5.471G            | 44   | 5.680G            |
| 45                                               | 5.622G            | 46   | 5.306G            | 47   | 5.348G            | 48   | 5.468G            |
| 49                                               | 5.685G            | 50   | 5.633G            | 51   | 5.302G            | 52   | 5.665G            |
| 53                                               | 5.260G            | 54   | 5.494G            | 55   | 5.321G            | 56   | 5.480G            |
| 57                                               | 5.571G            | 58   | 5.661G            | 59   | 5.410G            | 60   | 5.394G            |
| 61                                               | 5.664G            | 62   | 5.570G            | 63   | 5.292G            | 64   | 5.630G            |
| 65                                               | 5.416G            | 66   | 5.545G            | 67   | 5.605G            | 68   | 5.639G            |
| 69                                               | 5.646G            | 70   | 5.593G            | 71   | 5.379G            | 72   | 5.648G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.487G | 74 | 5.625G | 75 | 5.450G | 76  | 5.301G |
| 77 | 5.637G | 78 | 5.549G | 79 | 5.503G | 80  | 5.564G |
| 81 | 5.353G | 82 | 5.662G | 83 | 5.623G | 84  | 5.565G |
| 85 | 5.548G | 86 | 5.467G | 87 | 5.700G | 88  | 5.445G |
| 89 | 5.257G | 90 | 5.360G | 91 | 5.357G | 92  | 5.543G |
| 93 | 5.363G | 94 | 5.519G | 95 | 5.377G | 96  | 5.463G |
| 97 | 5.432G | 98 | 5.328G | 99 | 5.427G | 100 | 5.281G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.551G            | 2    | 5.406G            | 3    | 5.488G            | 4    | 5.357G            |
| 5                                                | 5.539G            | 6    | 5.635G            | 7    | 5.633G            | 8    | 5.518G            |
| 9                                                | 5.672G            | 10   | 5.636G            | 11   | 5.527G            | 12   | 5.450G            |
| 13                                               | 5.601G            | 14   | 5.279G            | 15   | 5.651G            | 16   | 5.641G            |
| 17                                               | 5.699G            | 18   | 5.323G            | 19   | 5.555G            | 20   | 5.274G            |
| 21                                               | 5.421G            | 22   | 5.505G            | 23   | 5.399G            | 24   | 5.674G            |
| 25                                               | 5.317G            | 26   | 5.306G            | 27   | 5.292G            | 28   | 5.609G            |
| 29                                               | 5.254G            | 30   | 5.686G            | 31   | 5.309G            | 32   | 5.537G            |
| 33                                               | 5.307G            | 34   | 5.523G            | 35   | 5.288G            | 36   | 5.632G            |
| 37                                               | 5.320G            | 38   | 5.715G            | 39   | 5.398G            | 40   | 5.335G            |
| 41                                               | 5.340G            | 42   | 5.509G            | 43   | 5.613G            | 44   | 5.458G            |
| 45                                               | 5.703G            | 46   | 5.506G            | 47   | 5.353G            | 48   | 5.375G            |
| 49                                               | 5.504G            | 50   | 5.623G            | 51   | 5.409G            | 52   | 5.516G            |
| 53                                               | 5.269G            | 54   | 5.610G            | 55   | 5.431G            | 56   | 5.554G            |
| 57                                               | 5.682G            | 58   | 5.679G            | 59   | 5.625G            | 60   | 5.696G            |
| 61                                               | 5.325G            | 62   | 5.534G            | 63   | 5.701G            | 64   | 5.478G            |
| 65                                               | 5.411G            | 66   | 5.347G            | 67   | 5.638G            | 68   | 5.430G            |
| 69                                               | 5.272G            | 70   | 5.657G            | 71   | 5.298G            | 72   | 5.700G            |
| 73                                               | 5.480G            | 74   | 5.680G            | 75   | 5.416G            | 76   | 5.376G            |
| 77                                               | 5.646G            | 78   | 5.587G            | 79   | 5.395G            | 80   | 5.514G            |
| 81                                               | 5.467G            | 82   | 5.343G            | 83   | 5.627G            | 84   | 5.316G            |
| 85                                               | 5.622G            | 86   | 5.559G            | 87   | 5.637G            | 88   | 5.541G            |
| 89                                               | 5.469G            | 90   | 5.662G            | 91   | 5.465G            | 92   | 5.466G            |
| 93                                               | 5.714G            | 94   | 5.310G            | 95   | 5.295G            | 96   | 5.337G            |
| 97                                               | 5.675G            | 98   | 5.293G            | 99   | 5.608G            | 100  | 5.558G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.270G            | 2    | 5.280G            | 3    | 5.623G            | 4    | 5.597G            |
| 5                                                | 5.639G            | 6    | 5.290G            | 7    | 5.674G            | 8    | 5.438G            |
| 9                                                | 5.630G            | 10   | 5.284G            | 11   | 5.360G            | 12   | 5.389G            |
| 13                                               | 5.561G            | 14   | 5.530G            | 15   | 5.541G            | 16   | 5.604G            |
| 17                                               | 5.300G            | 18   | 5.704G            | 19   | 5.430G            | 20   | 5.564G            |
| 21                                               | 5.482G            | 22   | 5.675G            | 23   | 5.680G            | 24   | 5.590G            |
| 25                                               | 5.303G            | 26   | 5.268G            | 27   | 5.622G            | 28   | 5.508G            |
| 29                                               | 5.603G            | 30   | 5.474G            | 31   | 5.316G            | 32   | 5.497G            |
| 33                                               | 5.466G            | 34   | 5.660G            | 35   | 5.579G            | 36   | 5.450G            |
| 37                                               | 5.646G            | 38   | 5.415G            | 39   | 5.317G            | 40   | 5.707G            |
| 41                                               | 5.330G            | 42   | 5.322G            | 43   | 5.628G            | 44   | 5.484G            |
| 45                                               | 5.664G            | 46   | 5.700G            | 47   | 5.428G            | 48   | 5.371G            |
| 49                                               | 5.636G            | 50   | 5.377G            | 51   | 5.465G            | 52   | 5.481G            |
| 53                                               | 5.475G            | 54   | 5.665G            | 55   | 5.253G            | 56   | 5.591G            |
| 57                                               | 5.624G            | 58   | 5.609G            | 59   | 5.299G            | 60   | 5.440G            |
| 61                                               | 5.418G            | 62   | 5.384G            | 63   | 5.483G            | 64   | 5.582G            |
| 65                                               | 5.388G            | 66   | 5.666G            | 67   | 5.457G            | 68   | 5.708G            |
| 69                                               | 5.642G            | 70   | 5.411G            | 71   | 5.608G            | 72   | 5.627G            |
| 73                                               | 5.410G            | 74   | 5.499G            | 75   | 5.405G            | 76   | 5.544G            |
| 77                                               | 5.494G            | 78   | 5.718G            | 79   | 5.339G            | 80   | 5.442G            |
| 81                                               | 5.616G            | 82   | 5.261G            | 83   | 5.560G            | 84   | 5.373G            |
| 85                                               | 5.533G            | 86   | 5.263G            | 87   | 5.578G            | 88   | 5.509G            |
| 89                                               | 5.265G            | 90   | 5.691G            | 91   | 5.670G            | 92   | 5.369G            |
| 93                                               | 5.715G            | 94   | 5.283G            | 95   | 5.567G            | 96   | 5.407G            |
| 97                                               | 5.570G            | 98   | 5.645G            | 99   | 5.313G            | 100  | 5.306G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.416G            | 2    | 5.254G            | 3    | 5.482G            | 4    | 5.523G            |
| 5                                                | 5.395G            | 6    | 5.387G            | 7    | 5.407G            | 8    | 5.685G            |
| 9                                                | 5.382G            | 10   | 5.352G            | 11   | 5.704G            | 12   | 5.721G            |
| 13                                               | 5.466G            | 14   | 5.348G            | 15   | 5.477G            | 16   | 5.540G            |
| 17                                               | 5.302G            | 18   | 5.568G            | 19   | 5.450G            | 20   | 5.521G            |
| 21                                               | 5.708G            | 22   | 5.326G            | 23   | 5.600G            | 24   | 5.411G            |
| 25                                               | 5.606G            | 26   | 5.278G            | 27   | 5.535G            | 28   | 5.616G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.676G | 30 | 5.536G | 31 | 5.562G | 32  | 5.662G |
| 33 | 5.693G | 34 | 5.688G | 35 | 5.396G | 36  | 5.461G |
| 37 | 5.251G | 38 | 5.417G | 39 | 5.627G | 40  | 5.598G |
| 41 | 5.338G | 42 | 5.555G | 43 | 5.552G | 44  | 5.362G |
| 45 | 5.608G | 46 | 5.316G | 47 | 5.647G | 48  | 5.397G |
| 49 | 5.646G | 50 | 5.331G | 51 | 5.534G | 52  | 5.250G |
| 53 | 5.720G | 54 | 5.480G | 55 | 5.304G | 56  | 5.611G |
| 57 | 5.663G | 58 | 5.405G | 59 | 5.446G | 60  | 5.700G |
| 61 | 5.603G | 62 | 5.515G | 63 | 5.497G | 64  | 5.341G |
| 65 | 5.299G | 66 | 5.376G | 67 | 5.410G | 68  | 5.545G |
| 69 | 5.294G | 70 | 5.711G | 71 | 5.325G | 72  | 5.285G |
| 73 | 5.287G | 74 | 5.644G | 75 | 5.705G | 76  | 5.690G |
| 77 | 5.577G | 78 | 5.363G | 79 | 5.381G | 80  | 5.588G |
| 81 | 5.557G | 82 | 5.436G | 83 | 5.543G | 84  | 5.378G |
| 85 | 5.453G | 86 | 5.589G | 87 | 5.273G | 88  | 5.615G |
| 89 | 5.503G | 90 | 5.559G | 91 | 5.398G | 92  | 5.621G |
| 93 | 5.379G | 94 | 5.394G | 95 | 5.699G | 96  | 5.619G |
| 97 | 5.452G | 98 | 5.502G | 99 | 5.270G | 100 | 5.255G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.338G            | 2    | 5.353G            | 3    | 5.309G            | 4    | 5.401G            |
| 5                                                | 5.349G            | 6    | 5.659G            | 7    | 5.709G            | 8    | 5.679G            |
| 9                                                | 5.683G            | 10   | 5.544G            | 11   | 5.280G            | 12   | 5.382G            |
| 13                                               | 5.580G            | 14   | 5.379G            | 15   | 5.607G            | 16   | 5.551G            |
| 17                                               | 5.514G            | 18   | 5.260G            | 19   | 5.479G            | 20   | 5.714G            |
| 21                                               | 5.699G            | 22   | 5.494G            | 23   | 5.292G            | 24   | 5.316G            |
| 25                                               | 5.571G            | 26   | 5.691G            | 27   | 5.444G            | 28   | 5.655G            |
| 29                                               | 5.390G            | 30   | 5.584G            | 31   | 5.430G            | 32   | 5.393G            |
| 33                                               | 5.562G            | 34   | 5.633G            | 35   | 5.274G            | 36   | 5.368G            |
| 37                                               | 5.325G            | 38   | 5.436G            | 39   | 5.589G            | 40   | 5.472G            |
| 41                                               | 5.441G            | 42   | 5.285G            | 43   | 5.276G            | 44   | 5.478G            |
| 45                                               | 5.632G            | 46   | 5.535G            | 47   | 5.253G            | 48   | 5.581G            |
| 49                                               | 5.399G            | 50   | 5.255G            | 51   | 5.624G            | 52   | 5.715G            |
| 53                                               | 5.327G            | 54   | 5.340G            | 55   | 5.596G            | 56   | 5.323G            |
| 57                                               | 5.635G            | 58   | 5.261G            | 59   | 5.431G            | 60   | 5.331G            |
| 61                                               | 5.265G            | 62   | 5.394G            | 63   | 5.381G            | 64   | 5.626G            |
| 65                                               | 5.453G            | 66   | 5.308G            | 67   | 5.448G            | 68   | 5.582G            |
| 69                                               | 5.525G            | 70   | 5.644G            | 71   | 5.541G            | 72   | 5.687G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.277G | 74 | 5.304G | 75 | 5.660G | 76  | 5.618G |
| 77 | 5.256G | 78 | 5.366G | 79 | 5.647G | 80  | 5.565G |
| 81 | 5.671G | 82 | 5.252G | 83 | 5.370G | 84  | 5.496G |
| 85 | 5.567G | 86 | 5.395G | 87 | 5.642G | 88  | 5.588G |
| 89 | 5.638G | 90 | 5.389G | 91 | 5.648G | 92  | 5.458G |
| 93 | 5.523G | 94 | 5.563G | 95 | 5.716G | 96  | 5.597G |
| 97 | 5.559G | 98 | 5.426G | 99 | 5.334G | 100 | 5.534G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.270G            | 2    | 5.282G            | 3    | 5.447G            | 4    | 5.316G            |
| 5                                                | 5.548G            | 6    | 5.334G            | 7    | 5.647G            | 8    | 5.576G            |
| 9                                                | 5.659G            | 10   | 5.314G            | 11   | 5.386G            | 12   | 5.345G            |
| 13                                               | 5.324G            | 14   | 5.290G            | 15   | 5.515G            | 16   | 5.597G            |
| 17                                               | 5.573G            | 18   | 5.470G            | 19   | 5.364G            | 20   | 5.712G            |
| 21                                               | 5.649G            | 22   | 5.461G            | 23   | 5.685G            | 24   | 5.320G            |
| 25                                               | 5.366G            | 26   | 5.413G            | 27   | 5.635G            | 28   | 5.411G            |
| 29                                               | 5.374G            | 30   | 5.351G            | 31   | 5.586G            | 32   | 5.286G            |
| 33                                               | 5.522G            | 34   | 5.390G            | 35   | 5.275G            | 36   | 5.349G            |
| 37                                               | 5.575G            | 38   | 5.258G            | 39   | 5.274G            | 40   | 5.662G            |
| 41                                               | 5.429G            | 42   | 5.658G            | 43   | 5.549G            | 44   | 5.449G            |
| 45                                               | 5.430G            | 46   | 5.634G            | 47   | 5.599G            | 48   | 5.695G            |
| 49                                               | 5.438G            | 50   | 5.454G            | 51   | 5.518G            | 52   | 5.384G            |
| 53                                               | 5.698G            | 54   | 5.525G            | 55   | 5.663G            | 56   | 5.672G            |
| 57                                               | 5.651G            | 58   | 5.279G            | 59   | 5.485G            | 60   | 5.631G            |
| 61                                               | 5.358G            | 62   | 5.406G            | 63   | 5.456G            | 64   | 5.622G            |
| 65                                               | 5.716G            | 66   | 5.620G            | 67   | 5.431G            | 68   | 5.460G            |
| 69                                               | 5.643G            | 70   | 5.359G            | 71   | 5.562G            | 72   | 5.288G            |
| 73                                               | 5.714G            | 74   | 5.289G            | 75   | 5.408G            | 76   | 5.572G            |
| 77                                               | 5.445G            | 78   | 5.577G            | 79   | 5.452G            | 80   | 5.371G            |
| 81                                               | 5.446G            | 82   | 5.262G            | 83   | 5.471G            | 84   | 5.656G            |
| 85                                               | 5.307G            | 86   | 5.574G            | 87   | 5.260G            | 88   | 5.362G            |
| 89                                               | 5.420G            | 90   | 5.674G            | 91   | 5.595G            | 92   | 5.629G            |
| 93                                               | 5.667G            | 94   | 5.387G            | 95   | 5.424G            | 96   | 5.709G            |
| 97                                               | 5.325G            | 98   | 5.507G            | 99   | 5.570G            | 100  | 5.513G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.578G            | 2    | 5.337G            | 3    | 5.417G            | 4    | 5.700G            |
| 5                                                | 5.342G            | 6    | 5.667G            | 7    | 5.428G            | 8    | 5.415G            |
| 9                                                | 5.639G            | 10   | 5.525G            | 11   | 5.526G            | 12   | 5.533G            |
| 13                                               | 5.261G            | 14   | 5.631G            | 15   | 5.545G            | 16   | 5.577G            |
| 17                                               | 5.612G            | 18   | 5.498G            | 19   | 5.393G            | 20   | 5.574G            |
| 21                                               | 5.550G            | 22   | 5.718G            | 23   | 5.298G            | 24   | 5.520G            |
| 25                                               | 5.255G            | 26   | 5.387G            | 27   | 5.356G            | 28   | 5.444G            |
| 29                                               | 5.448G            | 30   | 5.353G            | 31   | 5.668G            | 32   | 5.402G            |
| 33                                               | 5.414G            | 34   | 5.637G            | 35   | 5.676G            | 36   | 5.363G            |
| 37                                               | 5.445G            | 38   | 5.354G            | 39   | 5.403G            | 40   | 5.267G            |
| 41                                               | 5.703G            | 42   | 5.560G            | 43   | 5.559G            | 44   | 5.680G            |
| 45                                               | 5.506G            | 46   | 5.257G            | 47   | 5.365G            | 48   | 5.317G            |
| 49                                               | 5.454G            | 50   | 5.629G            | 51   | 5.260G            | 52   | 5.543G            |
| 53                                               | 5.673G            | 54   | 5.620G            | 55   | 5.389G            | 56   | 5.627G            |
| 57                                               | 5.661G            | 58   | 5.386G            | 59   | 5.645G            | 60   | 5.373G            |
| 61                                               | 5.623G            | 62   | 5.456G            | 63   | 5.606G            | 64   | 5.289G            |
| 65                                               | 5.658G            | 66   | 5.258G            | 67   | 5.584G            | 68   | 5.446G            |
| 69                                               | 5.483G            | 70   | 5.427G            | 71   | 5.399G            | 72   | 5.457G            |
| 73                                               | 5.642G            | 74   | 5.299G            | 75   | 5.603G            | 76   | 5.552G            |
| 77                                               | 5.495G            | 78   | 5.576G            | 79   | 5.715G            | 80   | 5.652G            |
| 81                                               | 5.449G            | 82   | 5.410G            | 83   | 5.626G            | 84   | 5.651G            |
| 85                                               | 5.538G            | 86   | 5.687G            | 87   | 5.346G            | 88   | 5.250G            |
| 89                                               | 5.692G            | 90   | 5.252G            | 91   | 5.322G            | 92   | 5.632G            |
| 93                                               | 5.659G            | 94   | 5.681G            | 95   | 5.585G            | 96   | 5.426G            |
| 97                                               | 5.635G            | 98   | 5.657G            | 99   | 5.704G            | 100  | 5.297G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.521G            | 2    | 5.365G            | 3    | 5.664G            | 4    | 5.548G            |
| 5                                                | 5.281G            | 6    | 5.534G            | 7    | 5.546G            | 8    | 5.276G            |
| 9                                                | 5.275G            | 10   | 5.292G            | 11   | 5.301G            | 12   | 5.597G            |
| 13                                               | 5.316G            | 14   | 5.595G            | 15   | 5.667G            | 16   | 5.641G            |
| 17                                               | 5.589G            | 18   | 5.269G            | 19   | 5.619G            | 20   | 5.611G            |
| 21                                               | 5.399G            | 22   | 5.274G            | 23   | 5.508G            | 24   | 5.333G            |
| 25                                               | 5.307G            | 26   | 5.605G            | 27   | 5.699G            | 28   | 5.604G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.474G | 30 | 5.435G | 31 | 5.551G | 32  | 5.693G |
| 33 | 5.253G | 34 | 5.700G | 35 | 5.347G | 36  | 5.405G |
| 37 | 5.425G | 38 | 5.309G | 39 | 5.496G | 40  | 5.343G |
| 41 | 5.422G | 42 | 5.341G | 43 | 5.498G | 44  | 5.433G |
| 45 | 5.408G | 46 | 5.633G | 47 | 5.362G | 48  | 5.639G |
| 49 | 5.663G | 50 | 5.550G | 51 | 5.610G | 52  | 5.487G |
| 53 | 5.381G | 54 | 5.349G | 55 | 5.598G | 56  | 5.657G |
| 57 | 5.599G | 58 | 5.300G | 59 | 5.272G | 60  | 5.383G |
| 61 | 5.531G | 62 | 5.560G | 63 | 5.367G | 64  | 5.417G |
| 65 | 5.295G | 66 | 5.661G | 67 | 5.632G | 68  | 5.557G |
| 69 | 5.437G | 70 | 5.416G | 71 | 5.622G | 72  | 5.704G |
| 73 | 5.488G | 74 | 5.370G | 75 | 5.317G | 76  | 5.583G |
| 77 | 5.642G | 78 | 5.407G | 79 | 5.410G | 80  | 5.715G |
| 81 | 5.658G | 82 | 5.466G | 83 | 5.593G | 84  | 5.532G |
| 85 | 5.375G | 86 | 5.252G | 87 | 5.378G | 88  | 5.578G |
| 89 | 5.697G | 90 | 5.413G | 91 | 5.396G | 92  | 5.293G |
| 93 | 5.629G | 94 | 5.371G | 95 | 5.500G | 96  | 5.411G |
| 97 | 5.592G | 98 | 5.460G | 99 | 5.567G | 100 | 5.288G |

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| Type 1 Radar Statistical Performances |                                            |                        |                  |            |                       |           |
|---------------------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| Trial #                               | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 23                                         | 326.2                  | 18               | 3066       | 5508                  | Yes       |
| 2                                     | 9                                          | 1474.9                 | 78               | 678        | 5498                  | Yes       |
| 3                                     | 16                                         | 1222.5                 | 65               | 818        | 5521                  | Yes       |
| 4                                     | 5                                          | 1672.2                 | 89               | 598        | 5493                  | Yes       |
| 5                                     | 7                                          | 1567.4                 | 83               | 638        | 5495                  | Yes       |
| 6                                     | 15                                         | 1253.1                 | 67               | 798        | 5496                  | Yes       |
| 7                                     | 12                                         | 1355                   | 72               | 738        | 5517                  | Yes       |
| 8                                     | 20                                         | 1113.6                 | 59               | 898        | 5527                  | Yes       |
| 9                                     | 11                                         | 1392.8                 | 74               | 718        | 5510                  | Yes       |
| 10                                    | 3                                          | 1792.1                 | 95               | 558        | 5524                  | Yes       |
| 11                                    | 19                                         | 1139                   | 61               | 878        | 5497                  | Yes       |
| 12                                    | 17                                         | 1193.3                 | 63               | 838        | 5506                  | Yes       |
| 13                                    | 2                                          | 1858.7                 | 99               | 538        | 5500                  | Yes       |
| 14                                    | 8                                          | 1519.8                 | 81               | 658        | 5523                  | Yes       |
| 15                                    | 22                                         | 1066.1                 | 57               | 938        | 5491                  | Yes       |
| 16                                    |                                            |                        | 57               | 939        | 5501                  | Yes       |
| 17                                    |                                            |                        | 27               | 2004       | 5526                  | Yes       |
| 18                                    |                                            |                        | 34               | 1593       | 5518                  | Yes       |
| 19                                    |                                            |                        | 34               | 1571       | 5505                  | Yes       |
| 20                                    |                                            |                        | 63               | 848        | 5525                  | Yes       |
| 21                                    |                                            |                        | 20               | 2697       | 5511                  | Yes       |
| 22                                    |                                            |                        | 32               | 1693       | 5519                  | Yes       |
| 23                                    |                                            |                        | 30               | 1793       | 5494                  | Yes       |
| 24                                    |                                            |                        | 53               | 1011       | 5513                  | Yes       |
| 25                                    |                                            |                        | 19               | 2862       | 5515                  | Yes       |
| 26                                    |                                            |                        | 53               | 1003       | 5507                  | Yes       |
| 27                                    |                                            |                        | 20               | 2751       | 5502                  | Yes       |
| 28                                    |                                            |                        | 27               | 2029       | 5514                  | Yes       |
| 29                                    |                                            |                        | 70               | 754        | 5509                  | Yes       |
| 30                                    |                                            |                        | 43               | 1245       | 5504                  | Yes       |
| Detection Rate: 100 %                 |                                            |                        |                  |            |                       |           |

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 29               | 4.9                | 210        | 5491                  | Yes       |
| 2                                     | 24               | 1.7                | 178        | 5492                  | Yes       |
| 3                                     | 25               | 2.1                | 173        | 5513                  | Yes       |
| 4                                     | 28               | 4                  | 222        | 5498                  | Yes       |
| 5                                     | 27               | 3.6                | 219        | 5518                  | Yes       |
| 6                                     | 29               | 5                  | 212        | 5524                  | Yes       |
| 7                                     | 29               | 4.9                | 176        | 5529                  | Yes       |
| 8                                     | 23               | 1.1                | 199        | 5500                  | Yes       |
| 9                                     | 23               | 1.2                | 162        | 5512                  | Yes       |
| 10                                    | 29               | 4.5                | 220        | 5499                  | Yes       |
| 11                                    | 29               | 5                  | 229        | 5494                  | Yes       |
| 12                                    | 29               | 5                  | 214        | 5502                  | Yes       |
| 13                                    | 25               | 2.4                | 153        | 5503                  | Yes       |
| 14                                    | 28               | 4.1                | 197        | 5504                  | Yes       |
| 15                                    | 24               | 2                  | 211        | 5526                  | Yes       |
| 16                                    | 29               | 4.6                | 190        | 5514                  | Yes       |
| 17                                    | 23               | 1                  | 213        | 5523                  | Yes       |
| 18                                    | 25               | 2.4                | 218        | 5507                  | Yes       |
| 19                                    | 26               | 3.2                | 215        | 5509                  | Yes       |
| 20                                    | 26               | 3.1                | 157        | 5528                  | Yes       |
| 21                                    | 25               | 2.7                | 168        | 5520                  | Yes       |
| 22                                    | 25               | 2.6                | 227        | 5506                  | Yes       |
| 23                                    | 24               | 2                  | 171        | 5493                  | Yes       |
| 24                                    | 23               | 1.1                | 158        | 5519                  | Yes       |
| 25                                    | 23               | 1                  | 167        | 5522                  | Yes       |
| 26                                    | 29               | 4.9                | 150        | 5517                  | Yes       |
| 27                                    | 29               | 4.8                | 191        | 5510                  | Yes       |
| 28                                    | 25               | 2.3                | 159        | 5511                  | Yes       |
| 29                                    | 28               | 4.3                | 226        | 5501                  | Yes       |
| 30                                    | 26               | 3.3                | 208        | 5496                  | Yes       |
| Detection Rate: 100 %                 |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 9.9                | 235        | 5495                  | Yes       |
| 2                                     | 16               | 6.7                | 357        | 5507                  | Yes       |
| 3                                     | 16               | 7.1                | 333        | 5519                  | Yes       |
| 4                                     | 18               | 9                  | 242        | 5499                  | Yes       |
| 5                                     | 17               | 8.6                | 397        | 5526                  | Yes       |
| 6                                     | 18               | 10                 | 302        | 5496                  | Yes       |
| 7                                     | 18               | 9.9                | 203        | 5518                  | Yes       |
| 8                                     | 16               | 6.1                | 428        | 5497                  | Yes       |
| 9                                     | 16               | 6.2                | 335        | 5502                  | Yes       |
| 10                                    | 18               | 9.5                | 240        | 5525                  | Yes       |
| 11                                    | 18               | 10                 | 224        | 5515                  | Yes       |
| 12                                    | 18               | 10                 | 410        | 5494                  | Yes       |
| 13                                    | 17               | 7.4                | 359        | 5492                  | Yes       |
| 14                                    | 18               | 9.1                | 269        | 5527                  | Yes       |
| 15                                    | 16               | 7                  | 250        | 5514                  | Yes       |
| 16                                    | 18               | 9.6                | 247        | 5491                  | Yes       |
| 17                                    | 16               | 6                  | 222        | 5513                  | No        |
| 18                                    | 17               | 7.4                | 424        | 5512                  | Yes       |
| 19                                    | 17               | 8.2                | 393        | 5511                  | Yes       |
| 20                                    | 17               | 8.1                | 382        | 5520                  | Yes       |
| 21                                    | 17               | 7.7                | 486        | 5529                  | Yes       |
| 22                                    | 17               | 7.6                | 480        | 5503                  | Yes       |
| 23                                    | 16               | 7                  | 360        | 5505                  | Yes       |
| 24                                    | 16               | 6.1                | 297        | 5510                  | Yes       |
| 25                                    | 16               | 6                  | 265        | 5522                  | Yes       |
| 26                                    | 18               | 9.9                | 263        | 5500                  | Yes       |
| 27                                    | 18               | 9.8                | 324        | 5517                  | Yes       |
| 28                                    | 17               | 7.3                | 386        | 5528                  | Yes       |
| 29                                    | 18               | 9.3                | 311        | 5506                  | Yes       |
| 30                                    | 17               | 8.3                | 378        | 5509                  | Yes       |
| Detection Rate: 96.67 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 19.7               | 235        | 5492                  | Yes       |
| 2                                     | 12               | 12.7               | 357        | 5496                  | Yes       |
| 3                                     | 13               | 13.6               | 333        | 5503                  | Yes       |
| 4                                     | 15               | 17.7               | 242        | 5506                  | Yes       |
| 5                                     | 15               | 16.8               | 397        | 5500                  | Yes       |
| 6                                     | 16               | 20                 | 302        | 5517                  | Yes       |
| 7                                     | 16               | 19.7               | 203        | 5521                  | Yes       |
| 8                                     | 12               | 11.3               | 428        | 5528                  | Yes       |
| 9                                     | 12               | 11.5               | 335        | 5516                  | Yes       |
| 10                                    | 16               | 18.8               | 240        | 5495                  | Yes       |
| 11                                    | 16               | 20                 | 224        | 5501                  | Yes       |
| 12                                    | 16               | 20                 | 410        | 5507                  | Yes       |
| 13                                    | 13               | 14.2               | 359        | 5514                  | Yes       |
| 14                                    | 15               | 18                 | 269        | 5511                  | Yes       |
| 15                                    | 13               | 13.3               | 250        | 5499                  | Yes       |
| 16                                    | 16               | 19                 | 247        | 5493                  | Yes       |
| 17                                    | 12               | 11.1               | 222        | 5498                  | Yes       |
| 18                                    | 13               | 14.2               | 424        | 5512                  | Yes       |
| 19                                    | 14               | 15.9               | 393        | 5509                  | Yes       |
| 20                                    | 14               | 15.8               | 382        | 5510                  | Yes       |
| 21                                    | 14               | 14.8               | 486        | 5508                  | Yes       |
| 22                                    | 13               | 14.6               | 480        | 5522                  | Yes       |
| 23                                    | 13               | 13.2               | 360        | 5491                  | Yes       |
| 24                                    | 12               | 11.3               | 297        | 5505                  | Yes       |
| 25                                    | 12               | 11                 | 265        | 5502                  | No        |
| 26                                    | 16               | 19.6               | 263        | 5504                  | Yes       |
| 27                                    | 16               | 19.6               | 324        | 5515                  | Yes       |
| 28                                    | 13               | 14                 | 386        | 5518                  | Yes       |
| 29                                    | 16               | 18.3               | 311        | 5519                  | Yes       |
| 30                                    | 14               | 16.1               | 378        | 5497                  | Yes       |
| Detection Rate: 96.67 %               |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                         |
|---------------------------------------|------------------|-------------------------|
| Trial #                               | Test Signal Name | Detection               |
| 1                                     | LP_Signal_01     | Yes                     |
| 2                                     | LP_Signal_02     | Yes                     |
| 3                                     | LP_Signal_03     | Yes                     |
| 4                                     | LP_Signal_04     | Yes                     |
| 5                                     | LP_Signal_05     | Yes                     |
| 6                                     | LP_Signal_06     | Yes                     |
| 7                                     | LP_Signal_07     | Yes                     |
| 8                                     | LP_Signal_08     | Yes                     |
| 9                                     | LP_Signal_09     | Yes                     |
| 10                                    | LP_Signal_10     | Yes                     |
| 11                                    | LP_Signal_11     | Yes                     |
| 12                                    | LP_Signal_12     | Yes                     |
| 13                                    | LP_Signal_13     | Yes                     |
| 14                                    | LP_Signal_14     | Yes                     |
| 15                                    | LP_Signal_15     | Yes                     |
| 16                                    | LP_Signal_16     | Yes                     |
| 17                                    | LP_Signal_17     | Yes                     |
| 18                                    | LP_Signal_18     | Yes                     |
| 19                                    | LP_Signal_19     | Yes                     |
| 20                                    | LP_Signal_20     | Yes                     |
| 21                                    | LP_Signal_21     | Yes                     |
| 22                                    | LP_Signal_22     | Yes                     |
| 23                                    | LP_Signal_23     | Yes                     |
| 24                                    | LP_Signal_24     | Yes                     |
| 25                                    | LP_Signal_25     | Yes                     |
| 26                                    | LP_Signal_26     | Yes                     |
| 27                                    | LP_Signal_27     | Yes                     |
| 28                                    | LP_Signal_28     | Yes                     |
| 29                                    | LP_Signal_29     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 15

Chirp Center Frequency 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 77.8            | 1665.0     | 1477.0     | -          |
| 2     | 1                | 13          | 51.9            | 1074.0     | -          | -          |
| 3     | 1                | 13          | 63.8            | 1584.0     | -          | -          |
| 4     | 3                | 13          | 96.6            | 1682.0     | 1786.0     | 1843.0     |
| 5     | 3                | 13          | 85.9            | 1795.0     | 1215.0     | 1729.0     |
| 6     | 2                | 13          | 73.7            | 1198.0     | 1549.0     | -          |
| 7     | 2                | 13          | 77.2            | 1837.0     | 1819.0     | -          |
| 8     | 2                | 13          | 68.4            | 1587.0     | 1114.0     | -          |
| 9     | 2                | 13          | 76.7            | 2000.0     | 1155.0     | -          |
| 10    | 1                | 13          | 53.2            | 1147.0     | -          | -          |
| 11    | 3                | 13          | 85.7            | 1433.0     | 1695.0     | 1394.0     |
| 12    | 3                | 13          | 94.3            | 1670.0     | 1426.0     | 1935.0     |
| 13    | 2                | 13          | 77.6            | 1294.0     | 1671.0     | -          |
| 14    | 1                | 13          | 65.7            | 1512.0     | -          | -          |
| 15    | 3                | 13          | 93.5            | 1444.0     | 1130.0     | 1468.0     |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 8

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 75.0            | 1880.0     | 1527.0     | -          |
| 2     | 3                | 5           | 99.4            | 1401.0     | 1262.0     | 1257.0     |
| 3     | 2                | 5           | 67.4            | 1531.0     | 1403.0     | -          |
| 4     | 2                | 5           | 73.6            | 1449.0     | 1041.0     | -          |
| 5     | 1                | 5           | 65.9            | 1432.0     | -          | -          |
| 6     | 3                | 5           | 83.8            | 1356.0     | 1292.0     | 1419.0     |
| 7     | 1                | 5           | 65.5            | 1543.0     | -          | -          |
| 8     | 3                | 5           | 98.6            | 1548.0     | 1796.0     | 1728.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 11

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 73.8            | 1806.0     | 1538.0     | -          |
| 2     | 2                | 9           | 69.5            | 1117.0     | 1649.0     | -          |
| 3     | 1                | 9           | 51.9            | 1651.0     | -          | -          |
| 4     | 3                | 9           | 84.6            | 1976.0     | 1032.0     | 1271.0     |
| 5     | 3                | 9           | 95.4            | 1060.0     | 1903.0     | 1388.0     |
| 6     | 2                | 9           | 68.0            | 1368.0     | 1351.0     | -          |
| 7     | 3                | 9           | 89.6            | 1338.0     | 1514.0     | 1573.0     |
| 8     | 2                | 9           | 81.9            | 1022.0     | 1689.0     | -          |
| 9     | 3                | 9           | 88.3            | 1810.0     | 1330.0     | 1838.0     |
| 10    | 1                | 9           | 53.7            | 1597.0     | -          | -          |
| 11    | 3                | 9           | 91.3            | 1961.0     | 1106.0     | 1001.0     |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 20

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 19          | 68.1            | 1339.0     | 1355.0     | -          |
| 2     | 1                | 19          | 58.7            | 1251.0     | -          | -          |
| 3     | 2                | 19          | 75.3            | 1136.0     | 1640.0     | -          |
| 4     | 1                | 19          | 56.4            | 1753.0     | -          | -          |
| 5     | 3                | 19          | 99.7            | 1196.0     | 1708.0     | 1159.0     |
| 6     | 1                | 19          | 57.7            | 1013.0     | -          | -          |
| 7     | 1                | 19          | 59.5            | 1072.0     | -          | -          |
| 8     | 2                | 19          | 80.0            | 1482.0     | 1369.0     | -          |
| 9     | 2                | 19          | 82.0            | 1993.0     | 1197.0     | -          |
| 10    | 2                | 19          | 82.8            | 1883.0     | 1005.0     | -          |
| 11    | 3                | 19          | 88.0            | 1061.0     | 1928.0     | 1101.0     |
| 12    | 3                | 19          | 93.2            | 1207.0     | 1907.0     | 1223.0     |
| 13    | 2                | 19          | 70.4            | 1526.0     | 1360.0     | -          |
| 14    | 3                | 19          | 95.3            | 1171.0     | 1955.0     | 1775.0     |
| 15    | 2                | 19          | 81.9            | 1690.0     | 1545.0     | -          |
| 16    | 3                | 19          | 98.5            | 1975.0     | 1169.0     | 1062.0     |
| 17    | 1                | 19          | 65.0            | 1767.0     | -          | -          |
| 18    | 3                | 19          | 85.4            | 1011.0     | 1637.0     | 1425.0     |
| 19    | 3                | 19          | 91.6            | 1878.0     | 1445.0     | 1325.0     |
| 20    | 2                | 19          | 67.3            | 1091.0     | 1218.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 67.9            | 1320.0     | 1133.0     | -          |
| 2     | 1                | 16          | 62.3            | 1957.0     | -          | -          |
| 3     | 1                | 16          | 53.3            | 1592.0     | -          | -          |
| 4     | 3                | 16          | 90.0            | 1900.0     | 1153.0     | 1346.0     |
| 5     | 2                | 16          | 77.1            | 1166.0     | 1646.0     | -          |
| 6     | 3                | 16          | 83.9            | 1278.0     | 1232.0     | 1459.0     |
| 7     | 3                | 16          | 89.1            | 1240.0     | 1384.0     | 1939.0     |
| 8     | 2                | 16          | 81.8            | 1833.0     | 1676.0     | -          |
| 9     | 1                | 16          | 50.3            | 1075.0     | -          | -          |
| 10    | 3                | 16          | 87.1            | 1116.0     | 1996.0     | 1756.0     |
| 11    | 2                | 16          | 71.3            | 1225.0     | 1815.0     | -          |
| 12    | 3                | 16          | 97.5            | 1884.0     | 1465.0     | 1132.0     |
| 13    | 3                | 16          | 90.6            | 1561.0     | 1040.0     | 1354.0     |
| 14    | 3                | 16          | 86.3            | 1596.0     | 1183.0     | 1792.0     |
| 15    | 3                | 16          | 97.6            | 1365.0     | 1073.0     | 1361.0     |
| 16    | 3                | 16          | 84.7            | 1021.0     | 1718.0     | 1854.0     |
| 17    | 3                | 16          | 99.7            | 1150.0     | 1244.0     | 1988.0     |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 92.9            | 1085.0     | 1564.0     | 1407.0     |
| 2     | 2                | 12          | 67.7            | 1744.0     | 1747.0     | -          |
| 3     | 1                | 12          | 65.8            | 1092.0     | -          | -          |
| 4     | 1                | 12          | 56.3            | 1851.0     | -          | -          |
| 5     | 1                | 12          | 53.7            | 1727.0     | -          | -          |
| 6     | 3                | 12          | 83.5            | 1679.0     | 1930.0     | 1025.0     |
| 7     | 1                | 12          | 65.8            | 1519.0     | -          | -          |
| 8     | 3                | 12          | 85.9            | 1134.0     | 1034.0     | 1808.0     |
| 9     | 2                | 12          | 76.3            | 1606.0     | 1926.0     | -          |
| 10    | 2                | 12          | 81.5            | 1891.0     | 1714.0     | -          |
| 11    | 3                | 12          | 89.4            | 1310.0     | 1594.0     | 1827.0     |
| 12    | 1                | 12          | 63.4            | 1568.0     | -          | -          |
| 13    | 2                | 12          | 69.6            | 1307.0     | 1925.0     | -          |
| 14    | 2                | 12          | 74.5            | 1264.0     | 1846.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 15

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 13          | 96.6            | 1182.0     | 1609.0     | 1581.0     |
| 2     | 3                | 13          | 96.7            | 1829.0     | 1799.0     | 1154.0     |
| 3     | 3                | 13          | 86.5            | 1923.0     | 1396.0     | 1865.0     |
| 4     | 2                | 13          | 73.3            | 1908.0     | 1318.0     | -          |
| 5     | 1                | 13          | 55.8            | 1688.0     | -          | -          |
| 6     | 1                | 13          | 55.4            | 1145.0     | -          | -          |
| 7     | 3                | 13          | 85.3            | 1336.0     | 1504.0     | 1820.0     |
| 8     | 2                | 13          | 79.4            | 1344.0     | 1893.0     | -          |
| 9     | 1                | 13          | 65.7            | 1476.0     | -          | -          |
| 10    | 2                | 13          | 68.6            | 1008.0     | 1028.0     | -          |
| 11    | 2                | 13          | 77.7            | 1972.0     | 1835.0     | -          |
| 12    | 2                | 13          | 79.6            | 1882.0     | 1331.0     | -          |
| 13    | 3                | 13          | 94.9            | 1830.0     | 1070.0     | 1349.0     |
| 14    | 1                | 13          | 61.4            | 1451.0     | -          | -          |
| 15    | 3                | 13          | 90.6            | 1233.0     | 1562.0     | 1887.0     |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 12

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 10          | 52.6            | 1210.0     | -          | -          |
| 2     | 3                | 10          | 84.1            | 1314.0     | 1725.0     | 1529.0     |
| 3     | 3                | 10          | 97.7            | 1139.0     | 1868.0     | 1805.0     |
| 4     | 3                | 10          | 97.3            | 1341.0     | 1446.0     | 1755.0     |
| 5     | 3                | 10          | 98.8            | 1544.0     | 1386.0     | 1302.0     |
| 6     | 2                | 10          | 72.2            | 1771.0     | 1184.0     | -          |
| 7     | 2                | 10          | 67.6            | 1175.0     | 1027.0     | -          |
| 8     | 2                | 10          | 75.7            | 1026.0     | 1871.0     | -          |
| 9     | 1                | 10          | 60.9            | 1798.0     | -          | -          |
| 10    | 1                | 10          | 64.2            | 1138.0     | -          | -          |
| 11    | 2                | 10          | 78.8            | 1784.0     | 1604.0     | -          |
| 12    | 3                | 10          | 87.5            | 1511.0     | 1712.0     | 1683.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 54.1            | 1415.0     | -          | -          |
| 2     | 1                | 13          | 50.7            | 1221.0     | -          | -          |
| 3     | 1                | 13          | 52.3            | 1974.0     | -          | -          |
| 4     | 3                | 13          | 99.8            | 1558.0     | 1696.0     | 1949.0     |
| 5     | 2                | 13          | 68.4            | 1014.0     | 1099.0     | -          |
| 6     | 2                | 13          | 80.8            | 1736.0     | 1505.0     | -          |
| 7     | 1                | 13          | 62.5            | 1778.0     | -          | -          |
| 8     | 2                | 13          | 74.8            | 1149.0     | 1204.0     | -          |
| 9     | 1                | 13          | 50.8            | 1049.0     | -          | -          |
| 10    | 1                | 13          | 54.0            | 1417.0     | -          | -          |
| 11    | 1                | 13          | 63.0            | 1730.0     | -          | -          |
| 12    | 3                | 13          | 91.8            | 1143.0     | 1270.0     | 1347.0     |
| 13    | 2                | 13          | 79.3            | 1274.0     | 1992.0     | -          |
| 14    | 1                | 13          | 64.3            | 1937.0     | -          | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 6           | 63.4            | 1043.0     | -          | -          |
| 2     | 1                | 6           | 52.0            | 1863.0     | -          | -          |
| 3     | 3                | 6           | 97.2            | 1973.0     | 1605.0     | 1583.0     |
| 4     | 2                | 6           | 78.7            | 1466.0     | 1743.0     | -          |
| 5     | 2                | 6           | 74.2            | 1280.0     | 1219.0     | -          |
| 6     | 3                | 6           | 88.7            | 1293.0     | 1934.0     | 1273.0     |
| 7     | 1                | 6           | 54.3            | 1991.0     | -          | -          |
| 8     | 3                | 6           | 95.4            | 1580.0     | 1555.0     | 1791.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 17

Chirp Center Frequency: 5497.4MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 73.7            | 1208.0     | 1497.0     | -          |
| 2     | 3                | 16          | 97.4            | 1942.0     | 1754.0     | 1613.0     |
| 3     | 3                | 16          | 91.7            | 1999.0     | 1702.0     | 1462.0     |
| 4     | 1                | 16          | 66.2            | 1393.0     | -          | -          |
| 5     | 2                | 16          | 70.8            | 1968.0     | 1821.0     | -          |
| 6     | 1                | 16          | 52.3            | 1740.0     | -          | -          |
| 7     | 2                | 16          | 78.9            | 1308.0     | 1984.0     | -          |
| 8     | 2                | 16          | 70.9            | 1050.0     | 1358.0     | -          |
| 9     | 2                | 16          | 75.6            | 1437.0     | 1430.0     | -          |
| 10    | 1                | 16          | 59.1            | 1697.0     | -          | -          |
| 11    | 2                | 16          | 77.0            | 1397.0     | 1304.0     | -          |
| 12    | 2                | 16          | 67.9            | 1803.0     | 1083.0     | -          |
| 13    | 2                | 16          | 81.2            | 1720.0     | 1932.0     | -          |
| 14    | 2                | 16          | 78.7            | 1247.0     | 1121.0     | -          |
| 15    | 1                | 16          | 63.3            | 1634.0     | -          | -          |
| 16    | 2                | 16          | 68.9            | 1849.0     | 1423.0     | -          |
| 17    | 1                | 16          | 59.3            | 1093.0     | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.6MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 98.9            | 1381.0     | 1680.0     | 1488.0     |
| 2     | 2                | 19          | 82.3            | 1716.0     | 1855.0     | -          |
| 3     | 3                | 19          | 86.7            | 1211.0     | 1400.0     | 1919.0     |
| 4     | 3                | 19          | 89.7            | 1861.0     | 1068.0     | 1282.0     |
| 5     | 3                | 19          | 98.6            | 1507.0     | 1194.0     | 1461.0     |
| 6     | 2                | 19          | 71.1            | 1921.0     | 1789.0     | -          |
| 7     | 1                | 19          | 55.9            | 1947.0     | -          | -          |
| 8     | 2                | 19          | 67.9            | 1350.0     | 1372.0     | -          |
| 9     | 3                | 19          | 84.4            | 1203.0     | 1107.0     | 1443.0     |
| 10    | 1                | 19          | 58.8            | 1715.0     | -          | -          |
| 11    | 1                | 19          | 65.6            | 1017.0     | -          | -          |
| 12    | 2                | 19          | 78.5            | 1911.0     | 1704.0     | -          |
| 13    | 2                | 19          | 82.3            | 1845.0     | 1686.0     | -          |
| 14    | 3                | 19          | 90.1            | 1938.0     | 1071.0     | 1266.0     |
| 15    | 3                | 19          | 90.2            | 1989.0     | 1089.0     | 1950.0     |
| 16    | 2                | 19          | 83.1            | 1943.0     | 1406.0     | -          |
| 17    | 1                | 19          | 58.8            | 1742.0     | -          | -          |
| 18    | 2                | 19          | 77.0            | 1187.0     | 1657.0     | -          |
| 19    | 1                | 19          | 55.0            | 1012.0     | -          | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chirp Center Frequency: 5496.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 58.1            | 1929.0     | -          | -          |
| 2     | 1                | 13          | 52.1            | 1910.0     | -          | -          |
| 3     | 1                | 13          | 59.9            | 1971.0     | -          | -          |
| 4     | 1                | 13          | 60.2            | 1812.0     | -          | -          |
| 5     | 3                | 13          | 95.9            | 1399.0     | 1906.0     | 1608.0     |
| 6     | 2                | 13          | 79.9            | 1626.0     | 1859.0     | -          |
| 7     | 2                | 13          | 78.5            | 1238.0     | 1917.0     | -          |
| 8     | 1                | 13          | 53.8            | 1763.0     | -          | -          |
| 9     | 1                | 13          | 64.7            | 1800.0     | -          | -          |
| 10    | 1                | 13          | 61.4            | 1390.0     | -          | -          |
| 11    | 2                | 13          | 83.2            | 1692.0     | 1858.0     | -          |
| 12    | 3                | 13          | 84.7            | 1533.0     | 1677.0     | 1638.0     |
| 13    | 3                | 13          | 88.7            | 1703.0     | 1528.0     | 1058.0     |
| 14    | 2                | 13          | 78.3            | 1258.0     | 1951.0     | -          |
| 15    | 2                | 13          | 69.3            | 1731.0     | 1717.0     | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 10          | 75.3            | 1994.0     | 1612.0     | -          |
| 2     | 1                | 10          | 56.3            | 1456.0     | -          | -          |
| 3     | 2                | 10          | 67.7            | 1617.0     | 1185.0     | -          |
| 4     | 1                | 10          | 55.6            | 1337.0     | -          | -          |
| 5     | 2                | 10          | 75.2            | 1421.0     | 1267.0     | -          |
| 6     | 2                | 10          | 76.3            | 1359.0     | 1305.0     | -          |
| 7     | 3                | 10          | 85.7            | 1547.0     | 1362.0     | 1924.0     |
| 8     | 3                | 10          | 98.4            | 1873.0     | 1550.0     | 1249.0     |
| 9     | 3                | 10          | 86.4            | 1779.0     | 1439.0     | 1046.0     |
| 10    | 3                | 10          | 93.6            | 1059.0     | 1031.0     | 1452.0     |
| 11    | 1                | 10          | 63.3            | 1328.0     | -          | -          |
| 12    | 3                | 10          | 92.4            | 1412.0     | 1673.0     | 1322.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 93.3            | 1983.0     | 1912.0     | 1535.0     |
| 2     | 2                | 18          | 69.1            | 1102.0     | 1794.0     | -          |
| 3     | 3                | 18          | 86.9            | 1044.0     | 1152.0     | 1148.0     |
| 4     | 3                | 18          | 84.9            | 1894.0     | 1948.0     | 1118.0     |
| 5     | 2                | 18          | 72.3            | 1094.0     | 1916.0     | -          |
| 6     | 1                | 18          | 51.7            | 1447.0     | -          | -          |
| 7     | 1                | 18          | 58.3            | 1429.0     | -          | -          |
| 8     | 1                | 18          | 60.8            | 1979.0     | -          | -          |
| 9     | 1                | 18          | 57.1            | 1641.0     | -          | -          |
| 10    | 3                | 18          | 88.9            | 1886.0     | 1964.0     | 1489.0     |
| 11    | 2                | 18          | 72.0            | 1909.0     | 1297.0     | -          |
| 12    | 3                | 18          | 90.9            | 1261.0     | 1566.0     | 1370.0     |
| 13    | 1                | 18          | 59.8            | 1552.0     | -          | -          |
| 14    | 2                | 18          | 70.0            | 1759.0     | 1291.0     | -          |
| 15    | 2                | 18          | 67.2            | 1625.0     | 1881.0     | -          |
| 16    | 3                | 18          | 91.2            | 1382.0     | 1832.0     | 1661.0     |
| 17    | 1                | 18          | 56.5            | 1483.0     | -          | -          |
| 18    | 1                | 18          | 51.2            | 1237.0     | -          | -          |
| 19    | 2                | 18          | 74.1            | 1471.0     | 1245.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.8MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 12          | 76.9            | 1110.0     | 1140.0     | -          |
| 2     | 1                | 12          | 50.2            | 1316.0     | -          | -          |
| 3     | 1                | 12          | 62.9            | 1520.0     | -          | -          |
| 4     | 1                | 12          | 64.7            | 1902.0     | -          | -          |
| 5     | 3                | 12          | 83.8            | 1410.0     | 1097.0     | 1621.0     |
| 6     | 1                | 12          | 65.4            | 1944.0     | -          | -          |
| 7     | 1                | 12          | 53.2            | 1024.0     | -          | -          |
| 8     | 1                | 12          | 51.7            | 1603.0     | -          | -          |
| 9     | 2                | 12          | 78.7            | 1804.0     | 1168.0     | -          |
| 10    | 2                | 12          | 72.4            | 1030.0     | 1343.0     | -          |
| 11    | 1                | 12          | 53.8            | 1327.0     | -          | -          |
| 12    | 2                | 12          | 73.6            | 1524.0     | 1553.0     | -          |
| 13    | 2                | 12          | 66.7            | 1722.0     | 1122.0     | -          |
| 14    | 2                | 12          | 82.5            | 1404.0     | 1019.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chirp Center Frequency: 5499.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 20          | 87.6            | 1565.0     | 1055.0     | 1840.0     |
| 2     | 3                | 20          | 85.2            | 1735.0     | 1541.0     | 1408.0     |
| 3     | 3                | 20          | 84.8            | 1534.0     | 1889.0     | 1463.0     |
| 4     | 2                | 20          | 77.9            | 1749.0     | 1460.0     | -          |
| 5     | 2                | 20          | 76.5            | 1518.0     | 1485.0     | -          |
| 6     | 1                | 20          | 60.9            | 1540.0     | -          | -          |
| 7     | 2                | 20          | 83.0            | 1080.0     | 1010.0     | -          |
| 8     | 2                | 20          | 80.4            | 1824.0     | 1752.0     | -          |
| 9     | 2                | 20          | 67.5            | 1764.0     | 1181.0     | -          |
| 10    | 1                | 20          | 62.1            | 1495.0     | -          | -          |
| 11    | 3                | 20          | 86.4            | 1773.0     | 1966.0     | 1263.0     |
| 12    | 3                | 20          | 84.3            | 1593.0     | 1188.0     | 1788.0     |
| 13    | 2                | 20          | 76.9            | 1226.0     | 1537.0     | -          |
| 14    | 3                | 20          | 95.8            | 1192.0     | 1298.0     | 1844.0     |
| 15    | 1                | 20          | 55.2            | 1644.0     | -          | -          |
| 16    | 1                | 20          | 59.0            | 1402.0     | -          | -          |
| 17    | 3                | 20          | 94.5            | 1296.0     | 1700.0     | 1283.0     |
| 18    | 3                | 20          | 91.9            | 1970.0     | 1978.0     | 1165.0     |
| 19    | 3                | 20          | 85.2            | 1732.0     | 1551.0     | 1189.0     |
| 20    | 2                | 20          | 69.5            | 1038.0     | 1224.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 86.4            | 1259.0     | 1918.0     | 1455.0     |
| 2     | 3                | 10          | 92.2            | 1598.0     | 1719.0     | 1895.0     |
| 3     | 2                | 10          | 80.4            | 1816.0     | 1899.0     | -          |
| 4     | 1                | 10          | 54.3            | 1335.0     | -          | -          |
| 5     | 1                | 10          | 53.1            | 1303.0     | -          | -          |
| 6     | 2                | 10          | 69.4            | 1503.0     | 1546.0     | -          |
| 7     | 2                | 10          | 69.1            | 1279.0     | 1639.0     | -          |
| 8     | 3                | 10          | 100.0           | 1375.0     | 1438.0     | 1595.0     |
| 9     | 2                | 10          | 79.6            | 1239.0     | 1705.0     | -          |
| 10    | 3                | 10          | 88.4            | 1374.0     | 1579.0     | 1623.0     |
| 11    | 1                | 10          | 53.3            | 1016.0     | -          | -          |
| 12    | 1                | 10          | 65.3            | 1709.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.8MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 55.3            | 1920.0     | -          | -          |
| 2     | 1                | 12          | 58.3            | 1797.0     | -          | -          |
| 3     | 2                | 12          | 72.3            | 1610.0     | 1039.0     | -          |
| 4     | 3                | 12          | 84.8            | 1131.0     | 1761.0     | 1721.0     |
| 5     | 2                | 12          | 82.5            | 1875.0     | 1431.0     | -          |
| 6     | 1                | 12          | 63.3            | 1095.0     | -          | -          |
| 7     | 2                | 12          | 80.0            | 1119.0     | 1913.0     | -          |
| 8     | 3                | 12          | 90.3            | 1660.0     | 1853.0     | 1123.0     |
| 9     | 3                | 12          | 91.1            | 1539.0     | 1783.0     | 1172.0     |
| 10    | 3                | 12          | 96.6            | 1525.0     | 1036.0     | 1385.0     |
| 11    | 2                | 12          | 82.7            | 1710.0     | 1990.0     | -          |
| 12    | 1                | 12          | 50.7            | 1234.0     | -          | -          |
| 13    | 2                | 12          | 78.4            | 1047.0     | 1109.0     | -          |
| 14    | 3                | 12          | 99.5            | 1299.0     | 1965.0     | 1869.0     |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 88.6            | 1501.0     | 1067.0     | 1927.0     |
| 2     | 1                | 10          | 57.4            | 1723.0     | -          | -          |
| 3     | 3                | 10          | 96.6            | 1086.0     | 1658.0     | 1324.0     |
| 4     | 2                | 10          | 69.7            | 1751.0     | 1945.0     | -          |
| 5     | 2                | 10          | 77.9            | 1642.0     | 1317.0     | -          |
| 6     | 1                | 10          | 62.0            | 1866.0     | -          | -          |
| 7     | 3                | 10          | 88.4            | 1997.0     | 1077.0     | 1366.0     |
| 8     | 3                | 10          | 97.3            | 1790.0     | 1896.0     | 1367.0     |
| 9     | 3                | 10          | 96.2            | 1391.0     | 1787.0     | 1672.0     |
| 10    | 3                | 10          | 95.4            | 1020.0     | 1892.0     | 1414.0     |
| 11    | 1                | 10          | 54.8            | 1084.0     | -          | -          |
| 12    | 2                | 10          | 80.4            | 1850.0     | 1436.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 16

Chirp Center Frequency: 5523.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 74.7            | 1619.0     | 1611.0     | -          |
| 2     | 1                | 15          | 57.1            | 1560.0     | -          | -          |
| 3     | 3                | 15          | 91.9            | 1392.0     | 1475.0     | 1276.0     |
| 4     | 2                | 15          | 83.1            | 1809.0     | 1772.0     | -          |
| 5     | 1                | 15          | 50.7            | 1003.0     | -          | -          |
| 6     | 2                | 15          | 79.2            | 1574.0     | 1600.0     | -          |
| 7     | 1                | 15          | 58.7            | 1186.0     | -          | -          |
| 8     | 2                | 15          | 71.0            | 1521.0     | 1567.0     | -          |
| 9     | 2                | 15          | 79.0            | 1777.0     | 1960.0     | -          |
| 10    | 2                | 15          | 68.5            | 1284.0     | 1428.0     | -          |
| 11    | 2                | 15          | 73.5            | 1904.0     | 1352.0     | -          |
| 12    | 2                | 15          | 70.5            | 1864.0     | 1115.0     | -          |
| 13    | 2                | 15          | 76.6            | 1045.0     | 1300.0     | -          |
| 14    | 2                | 15          | 81.2            | 1160.0     | 1675.0     | -          |
| 15    | 1                | 15          | 61.8            | 1277.0     | -          | -          |
| 16    | 3                | 15          | 94.9            | 1450.0     | 1206.0     | 1860.0     |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5525.4MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 78.5            | 1653.0     | 1698.0     | -          |
| 2     | 3                | 9           | 89.8            | 1174.0     | 1962.0     | 1167.0     |
| 3     | 1                | 9           | 59.4            | 1982.0     | -          | -          |
| 4     | 2                | 9           | 79.6            | 1633.0     | 1890.0     | -          |
| 5     | 2                | 9           | 76.0            | 1112.0     | 1811.0     | -          |
| 6     | 1                | 9           | 53.6            | 1144.0     | -          | -          |
| 7     | 2                | 9           | 80.9            | 1220.0     | 1053.0     | -          |
| 8     | 1                | 9           | 61.6            | 1724.0     | -          | -          |
| 9     | 1                | 9           | 53.4            | 1901.0     | -          | -          |
| 10    | 1                | 9           | 59.9            | 1379.0     | -          | -          |
| 11    | 1                | 9           | 60.4            | 1453.0     | -          | -          |
| 12    | 3                | 9           | 91.4            | 1768.0     | 1726.0     | 1227.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 20

Chirp Center Frequency: 5521.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 77.0            | 1191.0     | 1363.0     | -          |
| 2     | 1                | 20          | 58.1            | 1248.0     | -          | -          |
| 3     | 1                | 20          | 62.1            | 1836.0     | -          | -          |
| 4     | 2                | 20          | 76.9            | 1334.0     | 1236.0     | -          |
| 5     | 2                | 20          | 80.0            | 1914.0     | 1852.0     | -          |
| 6     | 1                | 20          | 52.0            | 1701.0     | -          | -          |
| 7     | 3                | 20          | 88.6            | 1693.0     | 1995.0     | 1905.0     |
| 8     | 2                | 20          | 72.9            | 1922.0     | 1387.0     | -          |
| 9     | 3                | 20          | 98.5            | 1839.0     | 1746.0     | 1389.0     |
| 10    | 1                | 20          | 57.9            | 1193.0     | -          | -          |
| 11    | 3                | 20          | 95.9            | 1659.0     | 1870.0     | 1066.0     |
| 12    | 1                | 20          | 53.5            | 1162.0     | -          | -          |
| 13    | 3                | 20          | 92.0            | 1745.0     | 1654.0     | 1458.0     |
| 14    | 1                | 20          | 57.3            | 1834.0     | -          | -          |
| 15    | 2                | 20          | 70.5            | 1684.0     | 1586.0     | -          |
| 16    | 2                | 20          | 70.0            | 1042.0     | 1664.0     | -          |
| 17    | 3                | 20          | 84.0            | 1765.0     | 1630.0     | 1176.0     |
| 18    | 2                | 20          | 76.1            | 1557.0     | 1057.0     | -          |
| 19    | 3                | 20          | 93.2            | 1985.0     | 1018.0     | 1340.0     |
| 20    | 3                | 20          | 96.8            | 1760.0     | 1614.0     | 1817.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chirp Center Frequency: 5524.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 50.1            | 1841.0     | -          | -          |
| 2     | 3                | 12          | 93.5            | 1590.0     | 1081.0     | 1413.0     |
| 3     | 2                | 12          | 68.8            | 1707.0     | 1577.0     | -          |
| 4     | 1                | 12          | 56.3            | 1056.0     | -          | -          |
| 5     | 3                | 12          | 86.0            | 1953.0     | 1108.0     | 1987.0     |
| 6     | 2                | 12          | 75.2            | 1572.0     | 1536.0     | -          |
| 7     | 1                | 12          | 54.4            | 1517.0     | -          | -          |
| 8     | 2                | 12          | 71.1            | 1329.0     | 1243.0     | -          |
| 9     | 2                | 12          | 76.2            | 1940.0     | 1770.0     | -          |
| 10    | 2                | 12          | 80.2            | 1098.0     | 1209.0     | -          |
| 11    | 2                | 12          | 79.7            | 1588.0     | 1214.0     | -          |
| 12    | 3                | 12          | 90.9            | 1615.0     | 1862.0     | 1601.0     |
| 13    | 2                | 12          | 68.7            | 1377.0     | 1441.0     | -          |
| 14    | 2                | 12          | 67.4            | 1872.0     | 1313.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 13

Chirp Center Frequency: 5524.6MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 11          | 94.0            | 1643.0     | 1748.0     | 1941.0     |
| 2     | 2                | 11          | 70.8            | 1177.0     | 1201.0     | -          |
| 3     | 1                | 11          | 56.3            | 1006.0     | -          | -          |
| 4     | 3                | 11          | 96.7            | 1230.0     | 1163.0     | 1332.0     |
| 5     | 3                | 11          | 90.6            | 1217.0     | 1582.0     | 1498.0     |
| 6     | 2                | 11          | 74.5            | 1569.0     | 1281.0     | -          |
| 7     | 3                | 11          | 92.6            | 1065.0     | 1669.0     | 1222.0     |
| 8     | 3                | 11          | 89.0            | 1493.0     | 1135.0     | 1380.0     |
| 9     | 3                | 11          | 96.5            | 1607.0     | 1822.0     | 1602.0     |
| 10    | 2                | 11          | 70.5            | 1141.0     | 1178.0     | -          |
| 11    | 3                | 11          | 94.0            | 1009.0     | 1629.0     | 1956.0     |
| 12    | 1                | 11          | 55.8            | 1290.0     | -          | -          |
| 13    | 3                | 11          | 87.7            | 1435.0     | 1963.0     | 1164.0     |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chirp Center Frequency: 5527.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 68.6            | 1306.0     | 1161.0     | -          |
| 2     | 2                | 5           | 83.1            | 1420.0     | 1315.0     | -          |
| 3     | 1                | 5           | 60.9            | 1687.0     | -          | -          |
| 4     | 2                | 5           | 77.7            | 1776.0     | 1158.0     | -          |
| 5     | 2                | 5           | 77.4            | 1793.0     | 1510.0     | -          |
| 6     | 2                | 5           | 66.8            | 1576.0     | 1323.0     | -          |
| 7     | 1                | 5           | 63.7            | 1333.0     | -          | -          |
| 8     | 3                | 5           | 91.2            | 1409.0     | 1681.0     | 1275.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chirp Center Frequency: 5522.6MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 16          | 83.6            | 1632.0     | 1195.0     | 1000.0     |
| 2     | 3                | 16          | 89.4            | 1173.0     | 1627.0     | 1656.0     |
| 3     | 1                | 16          | 55.8            | 1532.0     | -          | -          |
| 4     | 3                | 16          | 90.9            | 1981.0     | 1554.0     | 1998.0     |
| 5     | 1                | 16          | 54.7            | 1825.0     | -          | -          |
| 6     | 3                | 16          | 97.7            | 1734.0     | 1202.0     | 1250.0     |
| 7     | 2                | 16          | 67.5            | 1571.0     | 1434.0     | -          |
| 8     | 3                | 16          | 96.7            | 1589.0     | 1469.0     | 1268.0     |
| 9     | 2                | 16          | 68.3            | 1750.0     | 1954.0     | -          |
| 10    | 2                | 16          | 78.3            | 1591.0     | 1082.0     | -          |
| 11    | 1                | 16          | 55.0            | 1427.0     | -          | -          |
| 12    | 3                | 16          | 84.9            | 1129.0     | 1936.0     | 1199.0     |
| 13    | 2                | 16          | 74.6            | 1959.0     | 1856.0     | -          |
| 14    | 1                | 16          | 63.3            | 1885.0     | -          | -          |
| 15    | 3                | 16          | 99.8            | 1035.0     | 1515.0     | 1120.0     |
| 16    | 1                | 16          | 63.6            | 1647.0     | -          | -          |
| 17    | 3                | 16          | 87.3            | 1931.0     | 1051.0     | 1831.0     |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5521.4MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 85.6            | 1946.0     | 1078.0     | 1015.0     |
| 2     | 2                | 19          | 68.6            | 1029.0     | 1780.0     | -          |
| 3     | 1                | 19          | 54.2            | 1111.0     | -          | -          |
| 4     | 1                | 19          | 61.2            | 1104.0     | -          | -          |
| 5     | 3                | 19          | 97.1            | 1157.0     | 1969.0     | 1100.0     |
| 6     | 3                | 19          | 98.3            | 1142.0     | 1699.0     | 1622.0     |
| 7     | 1                | 19          | 62.4            | 1655.0     | -          | -          |
| 8     | 2                | 19          | 80.2            | 1126.0     | 1769.0     | -          |
| 9     | 3                | 19          | 87.5            | 1216.0     | 1448.0     | 1179.0     |
| 10    | 3                | 19          | 85.8            | 1847.0     | 1348.0     | 1472.0     |
| 11    | 3                | 19          | 88.1            | 1023.0     | 1124.0     | 1631.0     |
| 12    | 1                | 19          | 65.3            | 1848.0     | -          | -          |
| 13    | 1                | 19          | 52.5            | 1470.0     | -          | -          |
| 14    | 1                | 19          | 52.3            | 1312.0     | -          | -          |
| 15    | 2                | 19          | 74.1            | 1915.0     | 1200.0     | -          |
| 16    | 1                | 19          | 54.9            | 1479.0     | -          | -          |
| 17    | 2                | 19          | 76.2            | 1376.0     | 1502.0     | -          |
| 18    | 1                | 19          | 60.4            | 1758.0     | -          | -          |
| 19    | 2                | 19          | 81.5            | 1491.0     | 1103.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chirp Center Frequency: 5525.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 10          | 50.5            | 1857.0     | -          | -          |
| 2     | 1                | 10          | 55.7            | 1246.0     | -          | -          |
| 3     | 3                | 10          | 85.8            | 1774.0     | 1002.0     | 1967.0     |
| 4     | 2                | 10          | 76.9            | 1125.0     | 1474.0     | -          |
| 5     | 2                | 10          | 75.1            | 1254.0     | 1052.0     | -          |
| 6     | 3                | 10          | 92.3            | 1180.0     | 1486.0     | 1492.0     |
| 7     | 2                | 10          | 78.1            | 1301.0     | 1757.0     | -          |
| 8     | 3                | 10          | 92.2            | 1898.0     | 1252.0     | 1713.0     |
| 9     | 3                | 10          | 89.0            | 1260.0     | 1706.0     | 1411.0     |
| 10    | 2                | 10          | 70.9            | 1578.0     | 1620.0     | -          |
| 11    | 1                | 10          | 63.1            | 1782.0     | -          | -          |
| 12    | 1                | 10          | 55.3            | 1522.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5522.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 83.4            | 1454.0     | 1205.0     | 1801.0     |
| 2     | 3                | 17          | 97.3            | 1319.0     | 1826.0     | 1635.0     |
| 3     | 3                | 17          | 90.4            | 1079.0     | 1986.0     | 1674.0     |
| 4     | 3                | 17          | 91.8            | 1563.0     | 1151.0     | 1802.0     |
| 5     | 3                | 17          | 98.2            | 1876.0     | 1977.0     | 1766.0     |
| 6     | 1                | 17          | 59.5            | 1952.0     | -          | -          |
| 7     | 2                | 17          | 80.0            | 1253.0     | 1137.0     | -          |
| 8     | 3                | 17          | 86.5            | 1054.0     | 1128.0     | 1828.0     |
| 9     | 3                | 17          | 91.1            | 1105.0     | 1599.0     | 1442.0     |
| 10    | 3                | 17          | 93.5            | 1867.0     | 1373.0     | 1087.0     |
| 11    | 1                | 17          | 60.7            | 1033.0     | -          | -          |
| 12    | 2                | 17          | 67.2            | 1288.0     | 1405.0     | -          |
| 13    | 1                | 17          | 61.8            | 1585.0     | -          | -          |
| 14    | 2                | 17          | 79.4            | 1933.0     | 1667.0     | -          |
| 15    | 2                | 17          | 81.4            | 1096.0     | 1464.0     | -          |
| 16    | 1                | 17          | 65.7            | 1496.0     | -          | -          |
| 17    | 2                | 17          | 76.0            | 1733.0     | 1255.0     | -          |
| 18    | 2                | 17          | 81.0            | 1326.0     | 1668.0     | -          |
| 19    |                  |             |                 |            |            |            |

| Type 6 Radar Statistical Performances |                  |                 |         |                         |
|---------------------------------------|------------------|-----------------|---------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection               |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                     |
|                                       |                  |                 |         | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |           |
|---------------------------------------|---------------------------------|-----------|
| Trial #                               | Hopping Frequency Sequence Name | Detection |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes       |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes       |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes       |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes       |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes       |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes       |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes       |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes       |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes       |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes       |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes       |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes       |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes       |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes       |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes       |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes       |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes       |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes       |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes       |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes       |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes       |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes       |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes       |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes       |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes       |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes       |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes       |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes       |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes       |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes       |
| Detection Rate: 100.0 %               |                                 |           |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.661G            | 2    | 5.682G            | 3    | 5.347G            | 4    | 5.275G            |
| 5                                                | 5.582G            | 6    | 5.334G            | 7    | 5.691G            | 8    | 5.453G            |
| 9                                                | 5.693G            | 10   | 5.601G            | 11   | 5.713G            | 12   | 5.585G            |
| 13                                               | 5.341G            | 14   | 5.511G            | 15   | 5.445G            | 16   | 5.670G            |
| 17                                               | 5.666G            | 18   | 5.296G            | 19   | 5.465G            | 20   | 5.679G            |
| 21                                               | 5.256G            | 22   | 5.714G            | 23   | 5.494G            | 24   | 5.454G            |
| 25                                               | 5.317G            | 26   | 5.290G            | 27   | 5.376G            | 28   | 5.612G            |
| 29                                               | 5.648G            | 30   | 5.439G            | 31   | 5.474G            | 32   | 5.563G            |
| 33                                               | 5.416G            | 34   | 5.721G            | 35   | 5.351G            | 36   | 5.668G            |
| 37                                               | 5.435G            | 38   | 5.440G            | 39   | 5.664G            | 40   | 5.369G            |
| 41                                               | 5.600G            | 42   | 5.292G            | 43   | 5.534G            | 44   | 5.708G            |
| 45                                               | 5.624G            | 46   | 5.537G            | 47   | 5.652G            | 48   | 5.655G            |
| 49                                               | 5.374G            | 50   | 5.336G            | 51   | 5.643G            | 52   | 5.437G            |
| 53                                               | 5.533G            | 54   | 5.482G            | 55   | 5.285G            | 56   | 5.443G            |
| 57                                               | 5.501G            | 58   | 5.547G            | 59   | 5.274G            | 60   | 5.650G            |
| 61                                               | 5.683G            | 62   | 5.615G            | 63   | 5.280G            | 64   | 5.469G            |
| 65                                               | 5.628G            | 66   | 5.639G            | 67   | 5.426G            | 68   | 5.379G            |
| 69                                               | 5.393G            | 70   | 5.479G            | 71   | 5.706G            | 72   | 5.604G            |
| 73                                               | 5.315G            | 74   | 5.605G            | 75   | 5.371G            | 76   | 5.409G            |
| 77                                               | 5.282G            | 78   | 5.572G            | 79   | 5.333G            | 80   | 5.272G            |
| 81                                               | 5.645G            | 82   | 5.588G            | 83   | 5.402G            | 84   | 5.399G            |
| 85                                               | 5.442G            | 86   | 5.258G            | 87   | 5.673G            | 88   | 5.575G            |
| 89                                               | 5.309G            | 90   | 5.570G            | 91   | 5.313G            | 92   | 5.701G            |
| 93                                               | 5.678G            | 94   | 5.510G            | 95   | 5.622G            | 96   | 5.580G            |
| 97                                               | 5.700G            | 98   | 5.250G            | 99   | 5.456G            | 100  | 5.633G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.414G            | 2    | 5.439G            | 3    | 5.282G            | 4    | 5.592G            |
| 5                                                | 5.714G            | 6    | 5.570G            | 7    | 5.685G            | 8    | 5.466G            |
| 9                                                | 5.529G            | 10   | 5.637G            | 11   | 5.396G            | 12   | 5.708G            |
| 13                                               | 5.298G            | 14   | 5.361G            | 15   | 5.663G            | 16   | 5.651G            |
| 17                                               | 5.601G            | 18   | 5.690G            | 19   | 5.522G            | 20   | 5.557G            |
| 21                                               | 5.589G            | 22   | 5.391G            | 23   | 5.511G            | 24   | 5.263G            |
| 25                                               | 5.636G            | 26   | 5.284G            | 27   | 5.615G            | 28   | 5.408G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.721G | 30 | 5.318G | 31 | 5.463G | 32  | 5.562G |
| 33 | 5.290G | 34 | 5.250G | 35 | 5.706G | 36  | 5.452G |
| 37 | 5.526G | 38 | 5.588G | 39 | 5.400G | 40  | 5.399G |
| 41 | 5.357G | 42 | 5.541G | 43 | 5.269G | 44  | 5.552G |
| 45 | 5.431G | 46 | 5.481G | 47 | 5.697G | 48  | 5.724G |
| 49 | 5.461G | 50 | 5.322G | 51 | 5.474G | 52  | 5.476G |
| 53 | 5.330G | 54 | 5.359G | 55 | 5.698G | 56  | 5.358G |
| 57 | 5.464G | 58 | 5.547G | 59 | 5.346G | 60  | 5.386G |
| 61 | 5.676G | 62 | 5.560G | 63 | 5.673G | 64  | 5.543G |
| 65 | 5.275G | 66 | 5.691G | 67 | 5.581G | 68  | 5.598G |
| 69 | 5.616G | 70 | 5.471G | 71 | 5.374G | 72  | 5.405G |
| 73 | 5.254G | 74 | 5.537G | 75 | 5.442G | 76  | 5.315G |
| 77 | 5.546G | 78 | 5.274G | 79 | 5.342G | 80  | 5.671G |
| 81 | 5.416G | 82 | 5.545G | 83 | 5.658G | 84  | 5.512G |
| 85 | 5.555G | 86 | 5.381G | 87 | 5.567G | 88  | 5.672G |
| 89 | 5.296G | 90 | 5.595G | 91 | 5.421G | 92  | 5.299G |
| 93 | 5.540G | 94 | 5.701G | 95 | 5.411G | 96  | 5.376G |
| 97 | 5.494G | 98 | 5.329G | 99 | 5.264G | 100 | 5.270G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.679G            | 2    | 5.317G            | 3    | 5.547G            | 4    | 5.700G            |
| 5                                                | 5.503G            | 6    | 5.452G            | 7    | 5.250G            | 8    | 5.582G            |
| 9                                                | 5.521G            | 10   | 5.374G            | 11   | 5.535G            | 12   | 5.340G            |
| 13                                               | 5.686G            | 14   | 5.430G            | 15   | 5.264G            | 16   | 5.364G            |
| 17                                               | 5.306G            | 18   | 5.462G            | 19   | 5.309G            | 20   | 5.516G            |
| 21                                               | 5.499G            | 22   | 5.315G            | 23   | 5.639G            | 24   | 5.636G            |
| 25                                               | 5.724G            | 26   | 5.417G            | 27   | 5.335G            | 28   | 5.444G            |
| 29                                               | 5.458G            | 30   | 5.536G            | 31   | 5.432G            | 32   | 5.551G            |
| 33                                               | 5.477G            | 34   | 5.661G            | 35   | 5.677G            | 36   | 5.344G            |
| 37                                               | 5.675G            | 38   | 5.693G            | 39   | 5.441G            | 40   | 5.287G            |
| 41                                               | 5.681G            | 42   | 5.328G            | 43   | 5.712G            | 44   | 5.454G            |
| 45                                               | 5.357G            | 46   | 5.561G            | 47   | 5.271G            | 48   | 5.515G            |
| 49                                               | 5.608G            | 50   | 5.538G            | 51   | 5.506G            | 52   | 5.376G            |
| 53                                               | 5.584G            | 54   | 5.355G            | 55   | 5.705G            | 56   | 5.406G            |
| 57                                               | 5.260G            | 58   | 5.683G            | 59   | 5.422G            | 60   | 5.343G            |
| 61                                               | 5.605G            | 62   | 5.518G            | 63   | 5.316G            | 64   | 5.459G            |
| 65                                               | 5.722G            | 66   | 5.689G            | 67   | 5.577G            | 68   | 5.423G            |
| 69                                               | 5.702G            | 70   | 5.527G            | 71   | 5.500G            | 72   | 5.716G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.587G | 74 | 5.710G | 75 | 5.528G | 76  | 5.562G |
| 77 | 5.568G | 78 | 5.349G | 79 | 5.523G | 80  | 5.609G |
| 81 | 5.481G | 82 | 5.378G | 83 | 5.637G | 84  | 5.684G |
| 85 | 5.261G | 86 | 5.615G | 87 | 5.299G | 88  | 5.410G |
| 89 | 5.358G | 90 | 5.548G | 91 | 5.715G | 92  | 5.534G |
| 93 | 5.370G | 94 | 5.289G | 95 | 5.600G | 96  | 5.553G |
| 97 | 5.525G | 98 | 5.520G | 99 | 5.572G | 100 | 5.273G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.400G            | 2    | 5.348G            | 3    | 5.316G            | 4    | 5.506G            |
| 5                                                | 5.301G            | 6    | 5.657G            | 7    | 5.382G            | 8    | 5.300G            |
| 9                                                | 5.524G            | 10   | 5.617G            | 11   | 5.349G            | 12   | 5.646G            |
| 13                                               | 5.273G            | 14   | 5.283G            | 15   | 5.446G            | 16   | 5.588G            |
| 17                                               | 5.330G            | 18   | 5.417G            | 19   | 5.669G            | 20   | 5.528G            |
| 21                                               | 5.580G            | 22   | 5.679G            | 23   | 5.628G            | 24   | 5.621G            |
| 25                                               | 5.673G            | 26   | 5.651G            | 27   | 5.391G            | 28   | 5.444G            |
| 29                                               | 5.564G            | 30   | 5.685G            | 31   | 5.361G            | 32   | 5.454G            |
| 33                                               | 5.404G            | 34   | 5.690G            | 35   | 5.439G            | 36   | 5.380G            |
| 37                                               | 5.614G            | 38   | 5.516G            | 39   | 5.535G            | 40   | 5.536G            |
| 41                                               | 5.302G            | 42   | 5.388G            | 43   | 5.658G            | 44   | 5.426G            |
| 45                                               | 5.561G            | 46   | 5.550G            | 47   | 5.513G            | 48   | 5.451G            |
| 49                                               | 5.393G            | 50   | 5.560G            | 51   | 5.365G            | 52   | 5.703G            |
| 53                                               | 5.671G            | 54   | 5.684G            | 55   | 5.337G            | 56   | 5.256G            |
| 57                                               | 5.332G            | 58   | 5.571G            | 59   | 5.372G            | 60   | 5.544G            |
| 61                                               | 5.274G            | 62   | 5.723G            | 63   | 5.456G            | 64   | 5.520G            |
| 65                                               | 5.472G            | 66   | 5.425G            | 67   | 5.634G            | 68   | 5.702G            |
| 69                                               | 5.309G            | 70   | 5.710G            | 71   | 5.670G            | 72   | 5.533G            |
| 73                                               | 5.366G            | 74   | 5.724G            | 75   | 5.680G            | 76   | 5.595G            |
| 77                                               | 5.517G            | 78   | 5.287G            | 79   | 5.375G            | 80   | 5.574G            |
| 81                                               | 5.495G            | 82   | 5.328G            | 83   | 5.548G            | 84   | 5.668G            |
| 85                                               | 5.407G            | 86   | 5.579G            | 87   | 5.682G            | 88   | 5.291G            |
| 89                                               | 5.315G            | 90   | 5.586G            | 91   | 5.529G            | 92   | 5.584G            |
| 93                                               | 5.263G            | 94   | 5.541G            | 95   | 5.359G            | 96   | 5.340G            |
| 97                                               | 5.523G            | 98   | 5.543G            | 99   | 5.480G            | 100  | 5.485G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.319G            | 2    | 5.719G            | 3    | 5.506G            | 4    | 5.714G            |
| 5                                                | 5.382G            | 6    | 5.638G            | 7    | 5.336G            | 8    | 5.350G            |
| 9                                                | 5.416G            | 10   | 5.352G            | 11   | 5.309G            | 12   | 5.381G            |
| 13                                               | 5.517G            | 14   | 5.669G            | 15   | 5.534G            | 16   | 5.540G            |
| 17                                               | 5.705G            | 18   | 5.637G            | 19   | 5.551G            | 20   | 5.471G            |
| 21                                               | 5.287G            | 22   | 5.608G            | 23   | 5.541G            | 24   | 5.606G            |
| 25                                               | 5.709G            | 26   | 5.500G            | 27   | 5.689G            | 28   | 5.527G            |
| 29                                               | 5.422G            | 30   | 5.710G            | 31   | 5.568G            | 32   | 5.346G            |
| 33                                               | 5.575G            | 34   | 5.514G            | 35   | 5.347G            | 36   | 5.391G            |
| 37                                               | 5.362G            | 38   | 5.625G            | 39   | 5.640G            | 40   | 5.258G            |
| 41                                               | 5.398G            | 42   | 5.270G            | 43   | 5.511G            | 44   | 5.499G            |
| 45                                               | 5.684G            | 46   | 5.314G            | 47   | 5.272G            | 48   | 5.303G            |
| 49                                               | 5.647G            | 50   | 5.379G            | 51   | 5.476G            | 52   | 5.392G            |
| 53                                               | 5.494G            | 54   | 5.501G            | 55   | 5.377G            | 56   | 5.467G            |
| 57                                               | 5.507G            | 58   | 5.295G            | 59   | 5.686G            | 60   | 5.254G            |
| 61                                               | 5.306G            | 62   | 5.572G            | 63   | 5.290G            | 64   | 5.373G            |
| 65                                               | 5.302G            | 66   | 5.632G            | 67   | 5.320G            | 68   | 5.578G            |
| 69                                               | 5.539G            | 70   | 5.327G            | 71   | 5.487G            | 72   | 5.515G            |
| 73                                               | 5.571G            | 74   | 5.370G            | 75   | 5.666G            | 76   | 5.604G            |
| 77                                               | 5.368G            | 78   | 5.528G            | 79   | 5.414G            | 80   | 5.695G            |
| 81                                               | 5.429G            | 82   | 5.641G            | 83   | 5.436G            | 84   | 5.417G            |
| 85                                               | 5.269G            | 86   | 5.649G            | 87   | 5.529G            | 88   | 5.457G            |
| 89                                               | 5.283G            | 90   | 5.444G            | 91   | 5.603G            | 92   | 5.372G            |
| 93                                               | 5.664G            | 94   | 5.503G            | 95   | 5.680G            | 96   | 5.563G            |
| 97                                               | 5.712G            | 98   | 5.673G            | 99   | 5.650G            | 100  | 5.296G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.464G            | 2    | 5.500G            | 3    | 5.454G            | 4    | 5.723G            |
| 5                                                | 5.711G            | 6    | 5.679G            | 7    | 5.623G            | 8    | 5.303G            |
| 9                                                | 5.639G            | 10   | 5.651G            | 11   | 5.289G            | 12   | 5.657G            |
| 13                                               | 5.435G            | 14   | 5.551G            | 15   | 5.608G            | 16   | 5.335G            |
| 17                                               | 5.321G            | 18   | 5.467G            | 19   | 5.503G            | 20   | 5.543G            |
| 21                                               | 5.584G            | 22   | 5.481G            | 23   | 5.618G            | 24   | 5.650G            |
| 25                                               | 5.306G            | 26   | 5.366G            | 27   | 5.695G            | 28   | 5.328G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.533G | 30 | 5.461G | 31 | 5.452G | 32  | 5.708G |
| 33 | 5.477G | 34 | 5.479G | 35 | 5.412G | 36  | 5.407G |
| 37 | 5.548G | 38 | 5.683G | 39 | 5.620G | 40  | 5.315G |
| 41 | 5.495G | 42 | 5.416G | 43 | 5.317G | 44  | 5.327G |
| 45 | 5.457G | 46 | 5.641G | 47 | 5.526G | 48  | 5.309G |
| 49 | 5.665G | 50 | 5.636G | 51 | 5.266G | 52  | 5.675G |
| 53 | 5.422G | 54 | 5.271G | 55 | 5.569G | 56  | 5.288G |
| 57 | 5.434G | 58 | 5.505G | 59 | 5.272G | 60  | 5.643G |
| 61 | 5.534G | 62 | 5.259G | 63 | 5.252G | 64  | 5.592G |
| 65 | 5.662G | 66 | 5.267G | 67 | 5.382G | 68  | 5.433G |
| 69 | 5.485G | 70 | 5.682G | 71 | 5.688G | 72  | 5.590G |
| 73 | 5.332G | 74 | 5.269G | 75 | 5.716G | 76  | 5.427G |
| 77 | 5.549G | 78 | 5.456G | 79 | 5.348G | 80  | 5.357G |
| 81 | 5.458G | 82 | 5.440G | 83 | 5.692G | 84  | 5.693G |
| 85 | 5.638G | 86 | 5.509G | 87 | 5.567G | 88  | 5.409G |
| 89 | 5.307G | 90 | 5.715G | 91 | 5.552G | 92  | 5.360G |
| 93 | 5.292G | 94 | 5.470G | 95 | 5.441G | 96  | 5.587G |
| 97 | 5.444G | 98 | 5.365G | 99 | 5.310G | 100 | 5.394G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.458G            | 2    | 5.662G            | 3    | 5.310G            | 4    | 5.348G            |
| 5                                                | 5.655G            | 6    | 5.508G            | 7    | 5.547G            | 8    | 5.650G            |
| 9                                                | 5.415G            | 10   | 5.350G            | 11   | 5.550G            | 12   | 5.474G            |
| 13                                               | 5.551G            | 14   | 5.450G            | 15   | 5.722G            | 16   | 5.417G            |
| 17                                               | 5.494G            | 18   | 5.409G            | 19   | 5.499G            | 20   | 5.327G            |
| 21                                               | 5.699G            | 22   | 5.403G            | 23   | 5.390G            | 24   | 5.448G            |
| 25                                               | 5.561G            | 26   | 5.632G            | 27   | 5.564G            | 28   | 5.618G            |
| 29                                               | 5.513G            | 30   | 5.260G            | 31   | 5.339G            | 32   | 5.437G            |
| 33                                               | 5.463G            | 34   | 5.406G            | 35   | 5.446G            | 36   | 5.690G            |
| 37                                               | 5.671G            | 38   | 5.723G            | 39   | 5.588G            | 40   | 5.712G            |
| 41                                               | 5.709G            | 42   | 5.328G            | 43   | 5.451G            | 44   | 5.438G            |
| 45                                               | 5.428G            | 46   | 5.479G            | 47   | 5.320G            | 48   | 5.413G            |
| 49                                               | 5.529G            | 50   | 5.554G            | 51   | 5.517G            | 52   | 5.663G            |
| 53                                               | 5.642G            | 54   | 5.331G            | 55   | 5.715G            | 56   | 5.677G            |
| 57                                               | 5.528G            | 58   | 5.330G            | 59   | 5.526G            | 60   | 5.570G            |
| 61                                               | 5.675G            | 62   | 5.600G            | 63   | 5.654G            | 64   | 5.595G            |
| 65                                               | 5.361G            | 66   | 5.633G            | 67   | 5.540G            | 68   | 5.357G            |
| 69                                               | 5.278G            | 70   | 5.300G            | 71   | 5.641G            | 72   | 5.258G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.373G | 74 | 5.273G | 75 | 5.656G | 76  | 5.408G |
| 77 | 5.649G | 78 | 5.500G | 79 | 5.421G | 80  | 5.630G |
| 81 | 5.396G | 82 | 5.251G | 83 | 5.533G | 84  | 5.433G |
| 85 | 5.370G | 86 | 5.524G | 87 | 5.386G | 88  | 5.605G |
| 89 | 5.353G | 90 | 5.256G | 91 | 5.640G | 92  | 5.591G |
| 93 | 5.488G | 94 | 5.312G | 95 | 5.295G | 96  | 5.364G |
| 97 | 5.646G | 98 | 5.599G | 99 | 5.697G | 100 | 5.696G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.495G            | 2    | 5.553G            | 3    | 5.386G            | 4    | 5.410G            |
| 5                                                | 5.686G            | 6    | 5.417G            | 7    | 5.287G            | 8    | 5.575G            |
| 9                                                | 5.292G            | 10   | 5.356G            | 11   | 5.537G            | 12   | 5.589G            |
| 13                                               | 5.291G            | 14   | 5.624G            | 15   | 5.453G            | 16   | 5.485G            |
| 17                                               | 5.607G            | 18   | 5.339G            | 19   | 5.650G            | 20   | 5.660G            |
| 21                                               | 5.601G            | 22   | 5.486G            | 23   | 5.431G            | 24   | 5.328G            |
| 25                                               | 5.515G            | 26   | 5.678G            | 27   | 5.448G            | 28   | 5.371G            |
| 29                                               | 5.556G            | 30   | 5.661G            | 31   | 5.659G            | 32   | 5.599G            |
| 33                                               | 5.536G            | 34   | 5.521G            | 35   | 5.261G            | 36   | 5.305G            |
| 37                                               | 5.337G            | 38   | 5.646G            | 39   | 5.588G            | 40   | 5.527G            |
| 41                                               | 5.574G            | 42   | 5.642G            | 43   | 5.695G            | 44   | 5.380G            |
| 45                                               | 5.358G            | 46   | 5.484G            | 47   | 5.713G            | 48   | 5.629G            |
| 49                                               | 5.676G            | 50   | 5.704G            | 51   | 5.267G            | 52   | 5.555G            |
| 53                                               | 5.293G            | 54   | 5.326G            | 55   | 5.461G            | 56   | 5.544G            |
| 57                                               | 5.499G            | 58   | 5.342G            | 59   | 5.420G            | 60   | 5.437G            |
| 61                                               | 5.290G            | 62   | 5.579G            | 63   | 5.597G            | 64   | 5.426G            |
| 65                                               | 5.277G            | 66   | 5.389G            | 67   | 5.257G            | 68   | 5.557G            |
| 69                                               | 5.593G            | 70   | 5.393G            | 71   | 5.341G            | 72   | 5.405G            |
| 73                                               | 5.644G            | 74   | 5.618G            | 75   | 5.594G            | 76   | 5.477G            |
| 77                                               | 5.696G            | 78   | 5.447G            | 79   | 5.577G            | 80   | 5.325G            |
| 81                                               | 5.474G            | 82   | 5.616G            | 83   | 5.647G            | 84   | 5.679G            |
| 85                                               | 5.309G            | 86   | 5.440G            | 87   | 5.652G            | 88   | 5.627G            |
| 89                                               | 5.428G            | 90   | 5.382G            | 91   | 5.419G            | 92   | 5.501G            |
| 93                                               | 5.637G            | 94   | 5.600G            | 95   | 5.306G            | 96   | 5.517G            |
| 97                                               | 5.387G            | 98   | 5.545G            | 99   | 5.497G            | 100  | 5.488G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.307G            | 2    | 5.564G            | 3    | 5.439G            | 4    | 5.660G            |
| 5                                                | 5.654G            | 6    | 5.676G            | 7    | 5.652G            | 8    | 5.527G            |
| 9                                                | 5.422G            | 10   | 5.452G            | 11   | 5.378G            | 12   | 5.550G            |
| 13                                               | 5.387G            | 14   | 5.542G            | 15   | 5.563G            | 16   | 5.290G            |
| 17                                               | 5.431G            | 18   | 5.516G            | 19   | 5.575G            | 20   | 5.671G            |
| 21                                               | 5.470G            | 22   | 5.696G            | 23   | 5.580G            | 24   | 5.591G            |
| 25                                               | 5.599G            | 26   | 5.703G            | 27   | 5.421G            | 28   | 5.679G            |
| 29                                               | 5.688G            | 30   | 5.395G            | 31   | 5.257G            | 32   | 5.388G            |
| 33                                               | 5.335G            | 34   | 5.390G            | 35   | 5.364G            | 36   | 5.666G            |
| 37                                               | 5.535G            | 38   | 5.450G            | 39   | 5.322G            | 40   | 5.686G            |
| 41                                               | 5.677G            | 42   | 5.325G            | 43   | 5.578G            | 44   | 5.344G            |
| 45                                               | 5.655G            | 46   | 5.295G            | 47   | 5.430G            | 48   | 5.522G            |
| 49                                               | 5.331G            | 50   | 5.424G            | 51   | 5.508G            | 52   | 5.368G            |
| 53                                               | 5.457G            | 54   | 5.285G            | 55   | 5.673G            | 56   | 5.689G            |
| 57                                               | 5.362G            | 58   | 5.698G            | 59   | 5.401G            | 60   | 5.691G            |
| 61                                               | 5.624G            | 62   | 5.482G            | 63   | 5.473G            | 64   | 5.310G            |
| 65                                               | 5.610G            | 66   | 5.558G            | 67   | 5.365G            | 68   | 5.273G            |
| 69                                               | 5.298G            | 70   | 5.380G            | 71   | 5.567G            | 72   | 5.708G            |
| 73                                               | 5.600G            | 74   | 5.269G            | 75   | 5.303G            | 76   | 5.398G            |
| 77                                               | 5.308G            | 78   | 5.404G            | 79   | 5.718G            | 80   | 5.499G            |
| 81                                               | 5.373G            | 82   | 5.593G            | 83   | 5.358G            | 84   | 5.468G            |
| 85                                               | 5.311G            | 86   | 5.488G            | 87   | 5.606G            | 88   | 5.363G            |
| 89                                               | 5.533G            | 90   | 5.700G            | 91   | 5.485G            | 92   | 5.346G            |
| 93                                               | 5.642G            | 94   | 5.256G            | 95   | 5.415G            | 96   | 5.721G            |
| 97                                               | 5.500G            | 98   | 5.381G            | 99   | 5.576G            | 100  | 5.585G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.512G            | 2    | 5.624G            | 3    | 5.511G            | 4    | 5.656G            |
| 5                                                | 5.314G            | 6    | 5.708G            | 7    | 5.617G            | 8    | 5.352G            |
| 9                                                | 5.544G            | 10   | 5.669G            | 11   | 5.391G            | 12   | 5.671G            |
| 13                                               | 5.416G            | 14   | 5.501G            | 15   | 5.568G            | 16   | 5.318G            |
| 17                                               | 5.643G            | 18   | 5.275G            | 19   | 5.661G            | 20   | 5.567G            |
| 21                                               | 5.424G            | 22   | 5.274G            | 23   | 5.650G            | 24   | 5.276G            |
| 25                                               | 5.581G            | 26   | 5.418G            | 27   | 5.290G            | 28   | 5.395G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.550G | 30 | 5.601G | 31 | 5.413G | 32  | 5.468G |
| 33 | 5.358G | 34 | 5.534G | 35 | 5.285G | 36  | 5.600G |
| 37 | 5.553G | 38 | 5.638G | 39 | 5.625G | 40  | 5.506G |
| 41 | 5.559G | 42 | 5.305G | 43 | 5.526G | 44  | 5.717G |
| 45 | 5.539G | 46 | 5.542G | 47 | 5.427G | 48  | 5.484G |
| 49 | 5.251G | 50 | 5.269G | 51 | 5.715G | 52  | 5.478G |
| 53 | 5.454G | 54 | 5.359G | 55 | 5.252G | 56  | 5.353G |
| 57 | 5.514G | 58 | 5.436G | 59 | 5.316G | 60  | 5.343G |
| 61 | 5.255G | 62 | 5.604G | 63 | 5.626G | 64  | 5.340G |
| 65 | 5.310G | 66 | 5.482G | 67 | 5.450G | 68  | 5.431G |
| 69 | 5.546G | 70 | 5.645G | 71 | 5.447G | 72  | 5.623G |
| 73 | 5.572G | 74 | 5.723G | 75 | 5.566G | 76  | 5.449G |
| 77 | 5.477G | 78 | 5.356G | 79 | 5.459G | 80  | 5.465G |
| 81 | 5.547G | 82 | 5.532G | 83 | 5.517G | 84  | 5.380G |
| 85 | 5.437G | 86 | 5.594G | 87 | 5.648G | 88  | 5.637G |
| 89 | 5.503G | 90 | 5.474G | 91 | 5.422G | 92  | 5.589G |
| 93 | 5.655G | 94 | 5.333G | 95 | 5.344G | 96  | 5.635G |
| 97 | 5.412G | 98 | 5.504G | 99 | 5.652G | 100 | 5.607G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.652G            | 2    | 5.570G            | 3    | 5.614G            | 4    | 5.430G            |
| 5                                                | 5.628G            | 6    | 5.368G            | 7    | 5.343G            | 8    | 5.681G            |
| 9                                                | 5.266G            | 10   | 5.707G            | 11   | 5.389G            | 12   | 5.409G            |
| 13                                               | 5.426G            | 14   | 5.458G            | 15   | 5.309G            | 16   | 5.330G            |
| 17                                               | 5.428G            | 18   | 5.598G            | 19   | 5.300G            | 20   | 5.621G            |
| 21                                               | 5.694G            | 22   | 5.566G            | 23   | 5.600G            | 24   | 5.423G            |
| 25                                               | 5.543G            | 26   | 5.644G            | 27   | 5.673G            | 28   | 5.528G            |
| 29                                               | 5.351G            | 30   | 5.503G            | 31   | 5.577G            | 32   | 5.595G            |
| 33                                               | 5.303G            | 34   | 5.572G            | 35   | 5.499G            | 36   | 5.632G            |
| 37                                               | 5.688G            | 38   | 5.525G            | 39   | 5.396G            | 40   | 5.315G            |
| 41                                               | 5.615G            | 42   | 5.436G            | 43   | 5.620G            | 44   | 5.386G            |
| 45                                               | 5.468G            | 46   | 5.712G            | 47   | 5.537G            | 48   | 5.534G            |
| 49                                               | 5.394G            | 50   | 5.697G            | 51   | 5.280G            | 52   | 5.488G            |
| 53                                               | 5.668G            | 54   | 5.716G            | 55   | 5.316G            | 56   | 5.591G            |
| 57                                               | 5.502G            | 58   | 5.392G            | 59   | 5.366G            | 60   | 5.255G            |
| 61                                               | 5.308G            | 62   | 5.292G            | 63   | 5.427G            | 64   | 5.327G            |
| 65                                               | 5.671G            | 66   | 5.610G            | 67   | 5.254G            | 68   | 5.660G            |
| 69                                               | 5.556G            | 70   | 5.553G            | 71   | 5.533G            | 72   | 5.522G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.719G | 74 | 5.446G | 75 | 5.364G | 76  | 5.439G |
| 77 | 5.407G | 78 | 5.440G | 79 | 5.624G | 80  | 5.265G |
| 81 | 5.538G | 82 | 5.710G | 83 | 5.563G | 84  | 5.500G |
| 85 | 5.259G | 86 | 5.271G | 87 | 5.613G | 88  | 5.698G |
| 89 | 5.262G | 90 | 5.622G | 91 | 5.561G | 92  | 5.687G |
| 93 | 5.506G | 94 | 5.648G | 95 | 5.419G | 96  | 5.541G |
| 97 | 5.575G | 98 | 5.701G | 99 | 5.649G | 100 | 5.551G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.711G            | 2    | 5.453G            | 3    | 5.383G            | 4    | 5.419G            |
| 5                                                | 5.398G            | 6    | 5.591G            | 7    | 5.470G            | 8    | 5.534G            |
| 9                                                | 5.411G            | 10   | 5.405G            | 11   | 5.306G            | 12   | 5.264G            |
| 13                                               | 5.354G            | 14   | 5.581G            | 15   | 5.406G            | 16   | 5.439G            |
| 17                                               | 5.340G            | 18   | 5.585G            | 19   | 5.697G            | 20   | 5.723G            |
| 21                                               | 5.274G            | 22   | 5.500G            | 23   | 5.368G            | 24   | 5.358G            |
| 25                                               | 5.446G            | 26   | 5.393G            | 27   | 5.332G            | 28   | 5.580G            |
| 29                                               | 5.283G            | 30   | 5.372G            | 31   | 5.300G            | 32   | 5.296G            |
| 33                                               | 5.321G            | 34   | 5.420G            | 35   | 5.499G            | 36   | 5.484G            |
| 37                                               | 5.661G            | 38   | 5.409G            | 39   | 5.478G            | 40   | 5.565G            |
| 41                                               | 5.437G            | 42   | 5.506G            | 43   | 5.634G            | 44   | 5.612G            |
| 45                                               | 5.289G            | 46   | 5.626G            | 47   | 5.445G            | 48   | 5.620G            |
| 49                                               | 5.495G            | 50   | 5.712G            | 51   | 5.665G            | 52   | 5.644G            |
| 53                                               | 5.386G            | 54   | 5.452G            | 55   | 5.527G            | 56   | 5.691G            |
| 57                                               | 5.288G            | 58   | 5.519G            | 59   | 5.337G            | 60   | 5.258G            |
| 61                                               | 5.388G            | 62   | 5.532G            | 63   | 5.394G            | 64   | 5.299G            |
| 65                                               | 5.702G            | 66   | 5.682G            | 67   | 5.327G            | 68   | 5.608G            |
| 69                                               | 5.267G            | 70   | 5.385G            | 71   | 5.466G            | 72   | 5.415G            |
| 73                                               | 5.362G            | 74   | 5.716G            | 75   | 5.647G            | 76   | 5.587G            |
| 77                                               | 5.455G            | 78   | 5.520G            | 79   | 5.704G            | 80   | 5.414G            |
| 81                                               | 5.444G            | 82   | 5.720G            | 83   | 5.713G            | 84   | 5.373G            |
| 85                                               | 5.604G            | 86   | 5.292G            | 87   | 5.593G            | 88   | 5.542G            |
| 89                                               | 5.689G            | 90   | 5.325G            | 91   | 5.632G            | 92   | 5.539G            |
| 93                                               | 5.594G            | 94   | 5.524G            | 95   | 5.347G            | 96   | 5.724G            |
| 97                                               | 5.281G            | 98   | 5.521G            | 99   | 5.605G            | 100  | 5.262G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.329G            | 2    | 5.719G            | 3    | 5.325G            | 4    | 5.419G            |
| 5                                                | 5.606G            | 6    | 5.510G            | 7    | 5.281G            | 8    | 5.571G            |
| 9                                                | 5.690G            | 10   | 5.423G            | 11   | 5.716G            | 12   | 5.266G            |
| 13                                               | 5.696G            | 14   | 5.607G            | 15   | 5.435G            | 16   | 5.394G            |
| 17                                               | 5.308G            | 18   | 5.665G            | 19   | 5.322G            | 20   | 5.600G            |
| 21                                               | 5.508G            | 22   | 5.518G            | 23   | 5.348G            | 24   | 5.471G            |
| 25                                               | 5.603G            | 26   | 5.724G            | 27   | 5.630G            | 28   | 5.330G            |
| 29                                               | 5.318G            | 30   | 5.278G            | 31   | 5.598G            | 32   | 5.405G            |
| 33                                               | 5.294G            | 34   | 5.464G            | 35   | 5.649G            | 36   | 5.583G            |
| 37                                               | 5.523G            | 38   | 5.663G            | 39   | 5.364G            | 40   | 5.382G            |
| 41                                               | 5.358G            | 42   | 5.353G            | 43   | 5.384G            | 44   | 5.277G            |
| 45                                               | 5.699G            | 46   | 5.406G            | 47   | 5.527G            | 48   | 5.470G            |
| 49                                               | 5.451G            | 50   | 5.568G            | 51   | 5.416G            | 52   | 5.386G            |
| 53                                               | 5.656G            | 54   | 5.389G            | 55   | 5.356G            | 56   | 5.501G            |
| 57                                               | 5.301G            | 58   | 5.346G            | 59   | 5.480G            | 60   | 5.367G            |
| 61                                               | 5.711G            | 62   | 5.529G            | 63   | 5.434G            | 64   | 5.581G            |
| 65                                               | 5.547G            | 66   | 5.307G            | 67   | 5.655G            | 68   | 5.582G            |
| 69                                               | 5.272G            | 70   | 5.631G            | 71   | 5.713G            | 72   | 5.556G            |
| 73                                               | 5.251G            | 74   | 5.397G            | 75   | 5.540G            | 76   | 5.537G            |
| 77                                               | 5.392G            | 78   | 5.381G            | 79   | 5.585G            | 80   | 5.575G            |
| 81                                               | 5.365G            | 82   | 5.579G            | 83   | 5.459G            | 84   | 5.404G            |
| 85                                               | 5.520G            | 86   | 5.639G            | 87   | 5.496G            | 88   | 5.331G            |
| 89                                               | 5.366G            | 90   | 5.624G            | 91   | 5.360G            | 92   | 5.698G            |
| 93                                               | 5.625G            | 94   | 5.553G            | 95   | 5.669G            | 96   | 5.532G            |
| 97                                               | 5.641G            | 98   | 5.629G            | 99   | 5.491G            | 100  | 5.474G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.564G            | 2    | 5.296G            | 3    | 5.603G            | 4    | 5.441G            |
| 5                                                | 5.598G            | 6    | 5.358G            | 7    | 5.287G            | 8    | 5.590G            |
| 9                                                | 5.672G            | 10   | 5.569G            | 11   | 5.412G            | 12   | 5.445G            |
| 13                                               | 5.377G            | 14   | 5.428G            | 15   | 5.385G            | 16   | 5.500G            |
| 17                                               | 5.512G            | 18   | 5.701G            | 19   | 5.258G            | 20   | 5.354G            |
| 21                                               | 5.432G            | 22   | 5.717G            | 23   | 5.436G            | 24   | 5.324G            |
| 25                                               | 5.298G            | 26   | 5.722G            | 27   | 5.525G            | 28   | 5.661G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.602G | 30 | 5.687G | 31 | 5.562G | 32  | 5.494G |
| 33 | 5.716G | 34 | 5.269G | 35 | 5.348G | 36  | 5.647G |
| 37 | 5.585G | 38 | 5.297G | 39 | 5.684G | 40  | 5.643G |
| 41 | 5.253G | 42 | 5.612G | 43 | 5.375G | 44  | 5.401G |
| 45 | 5.664G | 46 | 5.678G | 47 | 5.433G | 48  | 5.523G |
| 49 | 5.652G | 50 | 5.680G | 51 | 5.314G | 52  | 5.552G |
| 53 | 5.670G | 54 | 5.695G | 55 | 5.316G | 56  | 5.460G |
| 57 | 5.535G | 58 | 5.620G | 59 | 5.450G | 60  | 5.439G |
| 61 | 5.359G | 62 | 5.502G | 63 | 5.313G | 64  | 5.328G |
| 65 | 5.368G | 66 | 5.681G | 67 | 5.263G | 68  | 5.578G |
| 69 | 5.294G | 70 | 5.629G | 71 | 5.310G | 72  | 5.607G |
| 73 | 5.322G | 74 | 5.616G | 75 | 5.534G | 76  | 5.673G |
| 77 | 5.411G | 78 | 5.615G | 79 | 5.536G | 80  | 5.285G |
| 81 | 5.648G | 82 | 5.330G | 83 | 5.498G | 84  | 5.458G |
| 85 | 5.374G | 86 | 5.389G | 87 | 5.610G | 88  | 5.274G |
| 89 | 5.676G | 90 | 5.601G | 91 | 5.495G | 92  | 5.520G |
| 93 | 5.644G | 94 | 5.521G | 95 | 5.407G | 96  | 5.404G |
| 97 | 5.437G | 98 | 5.633G | 99 | 5.654G | 100 | 5.267G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.371G            | 2    | 5.447G            | 3    | 5.295G            | 4    | 5.475G            |
| 5                                                | 5.315G            | 6    | 5.417G            | 7    | 5.576G            | 8    | 5.543G            |
| 9                                                | 5.274G            | 10   | 5.354G            | 11   | 5.487G            | 12   | 5.286G            |
| 13                                               | 5.495G            | 14   | 5.521G            | 15   | 5.527G            | 16   | 5.296G            |
| 17                                               | 5.458G            | 18   | 5.549G            | 19   | 5.476G            | 20   | 5.445G            |
| 21                                               | 5.613G            | 22   | 5.653G            | 23   | 5.510G            | 24   | 5.656G            |
| 25                                               | 5.383G            | 26   | 5.506G            | 27   | 5.273G            | 28   | 5.702G            |
| 29                                               | 5.312G            | 30   | 5.331G            | 31   | 5.492G            | 32   | 5.443G            |
| 33                                               | 5.522G            | 34   | 5.427G            | 35   | 5.338G            | 36   | 5.674G            |
| 37                                               | 5.638G            | 38   | 5.694G            | 39   | 5.636G            | 40   | 5.572G            |
| 41                                               | 5.570G            | 42   | 5.419G            | 43   | 5.715G            | 44   | 5.384G            |
| 45                                               | 5.645G            | 46   | 5.307G            | 47   | 5.300G            | 48   | 5.633G            |
| 49                                               | 5.707G            | 50   | 5.260G            | 51   | 5.683G            | 52   | 5.374G            |
| 53                                               | 5.632G            | 54   | 5.666G            | 55   | 5.689G            | 56   | 5.609G            |
| 57                                               | 5.563G            | 58   | 5.682G            | 59   | 5.435G            | 60   | 5.252G            |
| 61                                               | 5.272G            | 62   | 5.469G            | 63   | 5.375G            | 64   | 5.423G            |
| 65                                               | 5.639G            | 66   | 5.403G            | 67   | 5.542G            | 68   | 5.471G            |
| 69                                               | 5.512G            | 70   | 5.455G            | 71   | 5.278G            | 72   | 5.405G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.253G | 74 | 5.438G | 75 | 5.473G | 76  | 5.292G |
| 77 | 5.626G | 78 | 5.343G | 79 | 5.667G | 80  | 5.267G |
| 81 | 5.498G | 82 | 5.545G | 83 | 5.400G | 84  | 5.655G |
| 85 | 5.451G | 86 | 5.529G | 87 | 5.285G | 88  | 5.416G |
| 89 | 5.577G | 90 | 5.325G | 91 | 5.554G | 92  | 5.568G |
| 93 | 5.519G | 94 | 5.566G | 95 | 5.380G | 96  | 5.693G |
| 97 | 5.479G | 98 | 5.298G | 99 | 5.481G | 100 | 5.442G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.517G            | 2    | 5.386G            | 3    | 5.347G            | 4    | 5.448G            |
| 5                                                | 5.356G            | 6    | 5.667G            | 7    | 5.291G            | 8    | 5.538G            |
| 9                                                | 5.714G            | 10   | 5.257G            | 11   | 5.387G            | 12   | 5.644G            |
| 13                                               | 5.293G            | 14   | 5.504G            | 15   | 5.657G            | 16   | 5.596G            |
| 17                                               | 5.480G            | 18   | 5.638G            | 19   | 5.631G            | 20   | 5.682G            |
| 21                                               | 5.699G            | 22   | 5.519G            | 23   | 5.696G            | 24   | 5.558G            |
| 25                                               | 5.721G            | 26   | 5.705G            | 27   | 5.358G            | 28   | 5.365G            |
| 29                                               | 5.641G            | 30   | 5.399G            | 31   | 5.462G            | 32   | 5.340G            |
| 33                                               | 5.625G            | 34   | 5.254G            | 35   | 5.713G            | 36   | 5.272G            |
| 37                                               | 5.343G            | 38   | 5.712G            | 39   | 5.686G            | 40   | 5.666G            |
| 41                                               | 5.264G            | 42   | 5.718G            | 43   | 5.273G            | 44   | 5.430G            |
| 45                                               | 5.453G            | 46   | 5.537G            | 47   | 5.630G            | 48   | 5.674G            |
| 49                                               | 5.385G            | 50   | 5.455G            | 51   | 5.433G            | 52   | 5.389G            |
| 53                                               | 5.550G            | 54   | 5.336G            | 55   | 5.577G            | 56   | 5.582G            |
| 57                                               | 5.529G            | 58   | 5.578G            | 59   | 5.408G            | 60   | 5.594G            |
| 61                                               | 5.524G            | 62   | 5.518G            | 63   | 5.307G            | 64   | 5.417G            |
| 65                                               | 5.299G            | 66   | 5.338G            | 67   | 5.393G            | 68   | 5.319G            |
| 69                                               | 5.405G            | 70   | 5.516G            | 71   | 5.391G            | 72   | 5.560G            |
| 73                                               | 5.411G            | 74   | 5.655G            | 75   | 5.653G            | 76   | 5.328G            |
| 77                                               | 5.499G            | 78   | 5.348G            | 79   | 5.722G            | 80   | 5.521G            |
| 81                                               | 5.341G            | 82   | 5.506G            | 83   | 5.422G            | 84   | 5.324G            |
| 85                                               | 5.645G            | 86   | 5.583G            | 87   | 5.597G            | 88   | 5.684G            |
| 89                                               | 5.271G            | 90   | 5.419G            | 91   | 5.672G            | 92   | 5.364G            |
| 93                                               | 5.279G            | 94   | 5.315G            | 95   | 5.366G            | 96   | 5.624G            |
| 97                                               | 5.494G            | 98   | 5.255G            | 99   | 5.382G            | 100  | 5.440G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.506G            | 2    | 5.256G            | 3    | 5.686G            | 4    | 5.406G            |
| 5                                                | 5.443G            | 6    | 5.716G            | 7    | 5.719G            | 8    | 5.660G            |
| 9                                                | 5.519G            | 10   | 5.690G            | 11   | 5.569G            | 12   | 5.365G            |
| 13                                               | 5.645G            | 14   | 5.654G            | 15   | 5.417G            | 16   | 5.402G            |
| 17                                               | 5.625G            | 18   | 5.477G            | 19   | 5.277G            | 20   | 5.388G            |
| 21                                               | 5.580G            | 22   | 5.581G            | 23   | 5.682G            | 24   | 5.289G            |
| 25                                               | 5.607G            | 26   | 5.720G            | 27   | 5.634G            | 28   | 5.263G            |
| 29                                               | 5.395G            | 30   | 5.513G            | 31   | 5.511G            | 32   | 5.677G            |
| 33                                               | 5.692G            | 34   | 5.463G            | 35   | 5.383G            | 36   | 5.604G            |
| 37                                               | 5.687G            | 38   | 5.614G            | 39   | 5.315G            | 40   | 5.502G            |
| 41                                               | 5.309G            | 42   | 5.526G            | 43   | 5.662G            | 44   | 5.352G            |
| 45                                               | 5.495G            | 46   | 5.508G            | 47   | 5.487G            | 48   | 5.366G            |
| 49                                               | 5.313G            | 50   | 5.343G            | 51   | 5.599G            | 52   | 5.320G            |
| 53                                               | 5.430G            | 54   | 5.408G            | 55   | 5.629G            | 56   | 5.722G            |
| 57                                               | 5.585G            | 58   | 5.706G            | 59   | 5.280G            | 60   | 5.387G            |
| 61                                               | 5.415G            | 62   | 5.381G            | 63   | 5.510G            | 64   | 5.471G            |
| 65                                               | 5.299G            | 66   | 5.566G            | 67   | 5.550G            | 68   | 5.468G            |
| 69                                               | 5.563G            | 70   | 5.393G            | 71   | 5.691G            | 72   | 5.539G            |
| 73                                               | 5.721G            | 74   | 5.707G            | 75   | 5.681G            | 76   | 5.591G            |
| 77                                               | 5.536G            | 78   | 5.701G            | 79   | 5.708G            | 80   | 5.621G            |
| 81                                               | 5.453G            | 82   | 5.715G            | 83   | 5.446G            | 84   | 5.254G            |
| 85                                               | 5.649G            | 86   | 5.276G            | 87   | 5.449G            | 88   | 5.357G            |
| 89                                               | 5.396G            | 90   | 5.622G            | 91   | 5.638G            | 92   | 5.287G            |
| 93                                               | 5.616G            | 94   | 5.680G            | 95   | 5.610G            | 96   | 5.601G            |
| 97                                               | 5.259G            | 98   | 5.483G            | 99   | 5.596G            | 100  | 5.640G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.710G            | 2    | 5.546G            | 3    | 5.289G            | 4    | 5.331G            |
| 5                                                | 5.419G            | 6    | 5.552G            | 7    | 5.663G            | 8    | 5.543G            |
| 9                                                | 5.467G            | 10   | 5.330G            | 11   | 5.435G            | 12   | 5.603G            |
| 13                                               | 5.724G            | 14   | 5.634G            | 15   | 5.469G            | 16   | 5.495G            |
| 17                                               | 5.259G            | 18   | 5.581G            | 19   | 5.487G            | 20   | 5.563G            |
| 21                                               | 5.610G            | 22   | 5.651G            | 23   | 5.407G            | 24   | 5.699G            |
| 25                                               | 5.398G            | 26   | 5.612G            | 27   | 5.387G            | 28   | 5.277G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.712G | 30 | 5.571G | 31 | 5.444G | 32  | 5.607G |
| 33 | 5.290G | 34 | 5.388G | 35 | 5.601G | 36  | 5.297G |
| 37 | 5.293G | 38 | 5.465G | 39 | 5.349G | 40  | 5.381G |
| 41 | 5.723G | 42 | 5.428G | 43 | 5.448G | 44  | 5.284G |
| 45 | 5.510G | 46 | 5.527G | 47 | 5.504G | 48  | 5.598G |
| 49 | 5.609G | 50 | 5.362G | 51 | 5.640G | 52  | 5.458G |
| 53 | 5.393G | 54 | 5.347G | 55 | 5.478G | 56  | 5.568G |
| 57 | 5.451G | 58 | 5.320G | 59 | 5.459G | 60  | 5.368G |
| 61 | 5.644G | 62 | 5.673G | 63 | 5.449G | 64  | 5.391G |
| 65 | 5.375G | 66 | 5.570G | 67 | 5.309G | 68  | 5.540G |
| 69 | 5.692G | 70 | 5.539G | 71 | 5.698G | 72  | 5.691G |
| 73 | 5.285G | 74 | 5.361G | 75 | 5.281G | 76  | 5.486G |
| 77 | 5.628G | 78 | 5.721G | 79 | 5.573G | 80  | 5.605G |
| 81 | 5.295G | 82 | 5.376G | 83 | 5.298G | 84  | 5.355G |
| 85 | 5.536G | 86 | 5.338G | 87 | 5.709G | 88  | 5.390G |
| 89 | 5.575G | 90 | 5.475G | 91 | 5.429G | 92  | 5.503G |
| 93 | 5.505G | 94 | 5.516G | 95 | 5.464G | 96  | 5.493G |
| 97 | 5.574G | 98 | 5.311G | 99 | 5.319G | 100 | 5.565G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.538G            | 2    | 5.393G            | 3    | 5.323G            | 4    | 5.571G            |
| 5                                                | 5.643G            | 6    | 5.353G            | 7    | 5.660G            | 8    | 5.668G            |
| 9                                                | 5.459G            | 10   | 5.454G            | 11   | 5.665G            | 12   | 5.573G            |
| 13                                               | 5.400G            | 14   | 5.277G            | 15   | 5.498G            | 16   | 5.406G            |
| 17                                               | 5.424G            | 18   | 5.595G            | 19   | 5.696G            | 20   | 5.597G            |
| 21                                               | 5.664G            | 22   | 5.255G            | 23   | 5.639G            | 24   | 5.389G            |
| 25                                               | 5.514G            | 26   | 5.576G            | 27   | 5.536G            | 28   | 5.642G            |
| 29                                               | 5.366G            | 30   | 5.336G            | 31   | 5.431G            | 32   | 5.518G            |
| 33                                               | 5.482G            | 34   | 5.345G            | 35   | 5.532G            | 36   | 5.297G            |
| 37                                               | 5.321G            | 38   | 5.589G            | 39   | 5.474G            | 40   | 5.686G            |
| 41                                               | 5.445G            | 42   | 5.362G            | 43   | 5.702G            | 44   | 5.288G            |
| 45                                               | 5.456G            | 46   | 5.631G            | 47   | 5.259G            | 48   | 5.577G            |
| 49                                               | 5.282G            | 50   | 5.387G            | 51   | 5.372G            | 52   | 5.303G            |
| 53                                               | 5.593G            | 54   | 5.635G            | 55   | 5.477G            | 56   | 5.691G            |
| 57                                               | 5.339G            | 58   | 5.446G            | 59   | 5.275G            | 60   | 5.533G            |
| 61                                               | 5.697G            | 62   | 5.606G            | 63   | 5.414G            | 64   | 5.268G            |
| 65                                               | 5.652G            | 66   | 5.442G            | 67   | 5.687G            | 68   | 5.348G            |
| 69                                               | 5.318G            | 70   | 5.542G            | 71   | 5.319G            | 72   | 5.616G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.250G | 74 | 5.556G | 75 | 5.486G | 76  | 5.419G |
| 77 | 5.695G | 78 | 5.379G | 79 | 5.545G | 80  | 5.401G |
| 81 | 5.485G | 82 | 5.280G | 83 | 5.548G | 84  | 5.262G |
| 85 | 5.363G | 86 | 5.581G | 87 | 5.516G | 88  | 5.554G |
| 89 | 5.579G | 90 | 5.596G | 91 | 5.376G | 92  | 5.479G |
| 93 | 5.563G | 94 | 5.505G | 95 | 5.298G | 96  | 5.347G |
| 97 | 5.549G | 98 | 5.524G | 99 | 5.410G | 100 | 5.291G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.674G            | 2    | 5.475G            | 3    | 5.290G            | 4    | 5.341G            |
| 5                                                | 5.404G            | 6    | 5.336G            | 7    | 5.428G            | 8    | 5.429G            |
| 9                                                | 5.583G            | 10   | 5.611G            | 11   | 5.608G            | 12   | 5.511G            |
| 13                                               | 5.427G            | 14   | 5.305G            | 15   | 5.701G            | 16   | 5.619G            |
| 17                                               | 5.303G            | 18   | 5.626G            | 19   | 5.684G            | 20   | 5.719G            |
| 21                                               | 5.614G            | 22   | 5.301G            | 23   | 5.355G            | 24   | 5.252G            |
| 25                                               | 5.327G            | 26   | 5.379G            | 27   | 5.682G            | 28   | 5.395G            |
| 29                                               | 5.576G            | 30   | 5.575G            | 31   | 5.293G            | 32   | 5.461G            |
| 33                                               | 5.538G            | 34   | 5.493G            | 35   | 5.348G            | 36   | 5.268G            |
| 37                                               | 5.665G            | 38   | 5.332G            | 39   | 5.699G            | 40   | 5.679G            |
| 41                                               | 5.598G            | 42   | 5.484G            | 43   | 5.307G            | 44   | 5.559G            |
| 45                                               | 5.331G            | 46   | 5.383G            | 47   | 5.660G            | 48   | 5.451G            |
| 49                                               | 5.328G            | 50   | 5.573G            | 51   | 5.693G            | 52   | 5.387G            |
| 53                                               | 5.636G            | 54   | 5.605G            | 55   | 5.285G            | 56   | 5.691G            |
| 57                                               | 5.506G            | 58   | 5.510G            | 59   | 5.597G            | 60   | 5.476G            |
| 61                                               | 5.666G            | 62   | 5.517G            | 63   | 5.600G            | 64   | 5.337G            |
| 65                                               | 5.500G            | 66   | 5.460G            | 67   | 5.703G            | 68   | 5.425G            |
| 69                                               | 5.670G            | 70   | 5.555G            | 71   | 5.564G            | 72   | 5.250G            |
| 73                                               | 5.570G            | 74   | 5.507G            | 75   | 5.596G            | 76   | 5.482G            |
| 77                                               | 5.519G            | 78   | 5.662G            | 79   | 5.257G            | 80   | 5.491G            |
| 81                                               | 5.412G            | 82   | 5.292G            | 83   | 5.400G            | 84   | 5.295G            |
| 85                                               | 5.525G            | 86   | 5.453G            | 87   | 5.560G            | 88   | 5.592G            |
| 89                                               | 5.364G            | 90   | 5.494G            | 91   | 5.687G            | 92   | 5.351G            |
| 93                                               | 5.297G            | 94   | 5.577G            | 95   | 5.612G            | 96   | 5.463G            |
| 97                                               | 5.349G            | 98   | 5.552G            | 99   | 5.492G            | 100  | 5.546G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.270G            | 2    | 5.525G            | 3    | 5.527G            | 4    | 5.628G            |
| 5                                                | 5.402G            | 6    | 5.639G            | 7    | 5.615G            | 8    | 5.369G            |
| 9                                                | 5.302G            | 10   | 5.456G            | 11   | 5.250G            | 12   | 5.407G            |
| 13                                               | 5.362G            | 14   | 5.435G            | 15   | 5.252G            | 16   | 5.698G            |
| 17                                               | 5.660G            | 18   | 5.442G            | 19   | 5.385G            | 20   | 5.359G            |
| 21                                               | 5.685G            | 22   | 5.263G            | 23   | 5.404G            | 24   | 5.387G            |
| 25                                               | 5.661G            | 26   | 5.510G            | 27   | 5.449G            | 28   | 5.395G            |
| 29                                               | 5.704G            | 30   | 5.496G            | 31   | 5.467G            | 32   | 5.554G            |
| 33                                               | 5.257G            | 34   | 5.393G            | 35   | 5.305G            | 36   | 5.572G            |
| 37                                               | 5.700G            | 38   | 5.373G            | 39   | 5.548G            | 40   | 5.320G            |
| 41                                               | 5.392G            | 42   | 5.296G            | 43   | 5.274G            | 44   | 5.610G            |
| 45                                               | 5.611G            | 46   | 5.581G            | 47   | 5.409G            | 48   | 5.390G            |
| 49                                               | 5.451G            | 50   | 5.376G            | 51   | 5.417G            | 52   | 5.523G            |
| 53                                               | 5.282G            | 54   | 5.432G            | 55   | 5.546G            | 56   | 5.497G            |
| 57                                               | 5.355G            | 58   | 5.276G            | 59   | 5.342G            | 60   | 5.327G            |
| 61                                               | 5.637G            | 62   | 5.289G            | 63   | 5.293G            | 64   | 5.539G            |
| 65                                               | 5.627G            | 66   | 5.379G            | 67   | 5.299G            | 68   | 5.427G            |
| 69                                               | 5.595G            | 70   | 5.553G            | 71   | 5.315G            | 72   | 5.669G            |
| 73                                               | 5.709G            | 74   | 5.405G            | 75   | 5.587G            | 76   | 5.360G            |
| 77                                               | 5.663G            | 78   | 5.461G            | 79   | 5.565G            | 80   | 5.275G            |
| 81                                               | 5.308G            | 82   | 5.487G            | 83   | 5.620G            | 84   | 5.540G            |
| 85                                               | 5.469G            | 86   | 5.561G            | 87   | 5.545G            | 88   | 5.597G            |
| 89                                               | 5.536G            | 90   | 5.506G            | 91   | 5.318G            | 92   | 5.697G            |
| 93                                               | 5.295G            | 94   | 5.519G            | 95   | 5.560G            | 96   | 5.389G            |
| 97                                               | 5.719G            | 98   | 5.654G            | 99   | 5.336G            | 100  | 5.608G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.288G            | 2    | 5.441G            | 3    | 5.682G            | 4    | 5.304G            |
| 5                                                | 5.313G            | 6    | 5.446G            | 7    | 5.442G            | 8    | 5.612G            |
| 9                                                | 5.345G            | 10   | 5.337G            | 11   | 5.557G            | 12   | 5.638G            |
| 13                                               | 5.427G            | 14   | 5.303G            | 15   | 5.298G            | 16   | 5.592G            |
| 17                                               | 5.267G            | 18   | 5.717G            | 19   | 5.568G            | 20   | 5.320G            |
| 21                                               | 5.697G            | 22   | 5.541G            | 23   | 5.667G            | 24   | 5.506G            |
| 25                                               | 5.423G            | 26   | 5.518G            | 27   | 5.575G            | 28   | 5.413G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.527G | 30 | 5.283G | 31 | 5.709G | 32  | 5.469G |
| 33 | 5.554G | 34 | 5.418G | 35 | 5.250G | 36  | 5.495G |
| 37 | 5.366G | 38 | 5.681G | 39 | 5.716G | 40  | 5.471G |
| 41 | 5.302G | 42 | 5.628G | 43 | 5.534G | 44  | 5.698G |
| 45 | 5.439G | 46 | 5.510G | 47 | 5.673G | 48  | 5.408G |
| 49 | 5.624G | 50 | 5.280G | 51 | 5.473G | 52  | 5.676G |
| 53 | 5.582G | 54 | 5.400G | 55 | 5.648G | 56  | 5.383G |
| 57 | 5.626G | 58 | 5.358G | 59 | 5.296G | 60  | 5.641G |
| 61 | 5.690G | 62 | 5.608G | 63 | 5.365G | 64  | 5.397G |
| 65 | 5.629G | 66 | 5.647G | 67 | 5.620G | 68  | 5.493G |
| 69 | 5.417G | 70 | 5.570G | 71 | 5.596G | 72  | 5.581G |
| 73 | 5.285G | 74 | 5.606G | 75 | 5.654G | 76  | 5.445G |
| 77 | 5.318G | 78 | 5.404G | 79 | 5.553G | 80  | 5.335G |
| 81 | 5.378G | 82 | 5.505G | 83 | 5.694G | 84  | 5.487G |
| 85 | 5.715G | 86 | 5.269G | 87 | 5.552G | 88  | 5.287G |
| 89 | 5.315G | 90 | 5.289G | 91 | 5.422G | 92  | 5.431G |
| 93 | 5.569G | 94 | 5.507G | 95 | 5.478G | 96  | 5.464G |
| 97 | 5.702G | 98 | 5.347G | 99 | 5.275G | 100 | 5.409G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.521G            | 2    | 5.425G            | 3    | 5.711G            | 4    | 5.694G            |
| 5                                                | 5.679G            | 6    | 5.449G            | 7    | 5.723G            | 8    | 5.440G            |
| 9                                                | 5.279G            | 10   | 5.442G            | 11   | 5.700G            | 12   | 5.326G            |
| 13                                               | 5.286G            | 14   | 5.608G            | 15   | 5.664G            | 16   | 5.265G            |
| 17                                               | 5.395G            | 18   | 5.687G            | 19   | 5.258G            | 20   | 5.656G            |
| 21                                               | 5.348G            | 22   | 5.319G            | 23   | 5.306G            | 24   | 5.412G            |
| 25                                               | 5.624G            | 26   | 5.556G            | 27   | 5.420G            | 28   | 5.457G            |
| 29                                               | 5.404G            | 30   | 5.693G            | 31   | 5.640G            | 32   | 5.606G            |
| 33                                               | 5.627G            | 34   | 5.367G            | 35   | 5.387G            | 36   | 5.401G            |
| 37                                               | 5.441G            | 38   | 5.580G            | 39   | 5.398G            | 40   | 5.274G            |
| 41                                               | 5.323G            | 42   | 5.651G            | 43   | 5.386G            | 44   | 5.683G            |
| 45                                               | 5.300G            | 46   | 5.283G            | 47   | 5.655G            | 48   | 5.638G            |
| 49                                               | 5.487G            | 50   | 5.705G            | 51   | 5.358G            | 52   | 5.600G            |
| 53                                               | 5.559G            | 54   | 5.261G            | 55   | 5.614G            | 56   | 5.581G            |
| 57                                               | 5.409G            | 58   | 5.424G            | 59   | 5.322G            | 60   | 5.292G            |
| 61                                               | 5.263G            | 62   | 5.667G            | 63   | 5.682G            | 64   | 5.397G            |
| 65                                               | 5.264G            | 66   | 5.482G            | 67   | 5.713G            | 68   | 5.302G            |
| 69                                               | 5.650G            | 70   | 5.572G            | 71   | 5.464G            | 72   | 5.686G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.351G | 74 | 5.562G | 75 | 5.573G | 76  | 5.355G |
| 77 | 5.724G | 78 | 5.550G | 79 | 5.476G | 80  | 5.603G |
| 81 | 5.450G | 82 | 5.601G | 83 | 5.684G | 84  | 5.592G |
| 85 | 5.354G | 86 | 5.255G | 87 | 5.359G | 88  | 5.568G |
| 89 | 5.702G | 90 | 5.692G | 91 | 5.336G | 92  | 5.639G |
| 93 | 5.484G | 94 | 5.637G | 95 | 5.477G | 96  | 5.520G |
| 97 | 5.327G | 98 | 5.378G | 99 | 5.461G | 100 | 5.501G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.461G            | 2    | 5.451G            | 3    | 5.572G            | 4    | 5.600G            |
| 5                                                | 5.561G            | 6    | 5.338G            | 7    | 5.515G            | 8    | 5.403G            |
| 9                                                | 5.527G            | 10   | 5.628G            | 11   | 5.654G            | 12   | 5.544G            |
| 13                                               | 5.367G            | 14   | 5.353G            | 15   | 5.665G            | 16   | 5.573G            |
| 17                                               | 5.377G            | 18   | 5.534G            | 19   | 5.432G            | 20   | 5.621G            |
| 21                                               | 5.302G            | 22   | 5.414G            | 23   | 5.560G            | 24   | 5.574G            |
| 25                                               | 5.381G            | 26   | 5.533G            | 27   | 5.546G            | 28   | 5.404G            |
| 29                                               | 5.700G            | 30   | 5.325G            | 31   | 5.355G            | 32   | 5.685G            |
| 33                                               | 5.588G            | 34   | 5.625G            | 35   | 5.294G            | 36   | 5.505G            |
| 37                                               | 5.344G            | 38   | 5.352G            | 39   | 5.630G            | 40   | 5.599G            |
| 41                                               | 5.430G            | 42   | 5.495G            | 43   | 5.431G            | 44   | 5.253G            |
| 45                                               | 5.714G            | 46   | 5.258G            | 47   | 5.691G            | 48   | 5.719G            |
| 49                                               | 5.287G            | 50   | 5.557G            | 51   | 5.623G            | 52   | 5.343G            |
| 53                                               | 5.682G            | 54   | 5.717G            | 55   | 5.408G            | 56   | 5.526G            |
| 57                                               | 5.569G            | 58   | 5.393G            | 59   | 5.452G            | 60   | 5.549G            |
| 61                                               | 5.705G            | 62   | 5.375G            | 63   | 5.271G            | 64   | 5.264G            |
| 65                                               | 5.470G            | 66   | 5.674G            | 67   | 5.312G            | 68   | 5.389G            |
| 69                                               | 5.341G            | 70   | 5.358G            | 71   | 5.394G            | 72   | 5.440G            |
| 73                                               | 5.493G            | 74   | 5.538G            | 75   | 5.604G            | 76   | 5.699G            |
| 77                                               | 5.554G            | 78   | 5.586G            | 79   | 5.380G            | 80   | 5.454G            |
| 81                                               | 5.662G            | 82   | 5.304G            | 83   | 5.443G            | 84   | 5.267G            |
| 85                                               | 5.649G            | 86   | 5.364G            | 87   | 5.487G            | 88   | 5.636G            |
| 89                                               | 5.276G            | 90   | 5.360G            | 91   | 5.722G            | 92   | 5.694G            |
| 93                                               | 5.616G            | 94   | 5.255G            | 95   | 5.351G            | 96   | 5.424G            |
| 97                                               | 5.279G            | 98   | 5.663G            | 99   | 5.382G            | 100  | 5.373G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.536G            | 2    | 5.267G            | 3    | 5.257G            | 4    | 5.254G            |
| 5                                                | 5.720G            | 6    | 5.325G            | 7    | 5.329G            | 8    | 5.393G            |
| 9                                                | 5.689G            | 10   | 5.621G            | 11   | 5.601G            | 12   | 5.464G            |
| 13                                               | 5.700G            | 14   | 5.261G            | 15   | 5.418G            | 16   | 5.270G            |
| 17                                               | 5.417G            | 18   | 5.702G            | 19   | 5.341G            | 20   | 5.565G            |
| 21                                               | 5.573G            | 22   | 5.310G            | 23   | 5.537G            | 24   | 5.612G            |
| 25                                               | 5.495G            | 26   | 5.314G            | 27   | 5.714G            | 28   | 5.723G            |
| 29                                               | 5.292G            | 30   | 5.369G            | 31   | 5.401G            | 32   | 5.378G            |
| 33                                               | 5.716G            | 34   | 5.311G            | 35   | 5.667G            | 36   | 5.455G            |
| 37                                               | 5.467G            | 38   | 5.336G            | 39   | 5.520G            | 40   | 5.600G            |
| 41                                               | 5.535G            | 42   | 5.595G            | 43   | 5.604G            | 44   | 5.363G            |
| 45                                               | 5.696G            | 46   | 5.472G            | 47   | 5.677G            | 48   | 5.598G            |
| 49                                               | 5.425G            | 50   | 5.391G            | 51   | 5.660G            | 52   | 5.650G            |
| 53                                               | 5.352G            | 54   | 5.586G            | 55   | 5.360G            | 56   | 5.371G            |
| 57                                               | 5.532G            | 58   | 5.420G            | 59   | 5.692G            | 60   | 5.454G            |
| 61                                               | 5.579G            | 62   | 5.539G            | 63   | 5.617G            | 64   | 5.516G            |
| 65                                               | 5.498G            | 66   | 5.649G            | 67   | 5.452G            | 68   | 5.514G            |
| 69                                               | 5.412G            | 70   | 5.293G            | 71   | 5.668G            | 72   | 5.574G            |
| 73                                               | 5.547G            | 74   | 5.424G            | 75   | 5.326G            | 76   | 5.722G            |
| 77                                               | 5.524G            | 78   | 5.289G            | 79   | 5.258G            | 80   | 5.713G            |
| 81                                               | 5.451G            | 82   | 5.251G            | 83   | 5.618G            | 84   | 5.357G            |
| 85                                               | 5.446G            | 86   | 5.348G            | 87   | 5.427G            | 88   | 5.681G            |
| 89                                               | 5.544G            | 90   | 5.260G            | 91   | 5.606G            | 92   | 5.280G            |
| 93                                               | 5.501G            | 94   | 5.438G            | 95   | 5.474G            | 96   | 5.284G            |
| 97                                               | 5.382G            | 98   | 5.376G            | 99   | 5.444G            | 100  | 5.496G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.635G            | 2    | 5.651G            | 3    | 5.269G            | 4    | 5.372G            |
| 5                                                | 5.328G            | 6    | 5.410G            | 7    | 5.344G            | 8    | 5.563G            |
| 9                                                | 5.250G            | 10   | 5.420G            | 11   | 5.549G            | 12   | 5.565G            |
| 13                                               | 5.346G            | 14   | 5.682G            | 15   | 5.548G            | 16   | 5.632G            |
| 17                                               | 5.573G            | 18   | 5.614G            | 19   | 5.376G            | 20   | 5.690G            |
| 21                                               | 5.495G            | 22   | 5.409G            | 23   | 5.348G            | 24   | 5.648G            |
| 25                                               | 5.469G            | 26   | 5.666G            | 27   | 5.272G            | 28   | 5.408G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.584G | 30 | 5.571G | 31 | 5.553G | 32  | 5.425G |
| 33 | 5.512G | 34 | 5.619G | 35 | 5.386G | 36  | 5.368G |
| 37 | 5.318G | 38 | 5.620G | 39 | 5.609G | 40  | 5.336G |
| 41 | 5.560G | 42 | 5.424G | 43 | 5.610G | 44  | 5.429G |
| 45 | 5.433G | 46 | 5.680G | 47 | 5.313G | 48  | 5.366G |
| 49 | 5.576G | 50 | 5.396G | 51 | 5.669G | 52  | 5.663G |
| 53 | 5.283G | 54 | 5.562G | 55 | 5.270G | 56  | 5.697G |
| 57 | 5.481G | 58 | 5.668G | 59 | 5.533G | 60  | 5.688G |
| 61 | 5.487G | 62 | 5.305G | 63 | 5.389G | 64  | 5.589G |
| 65 | 5.296G | 66 | 5.364G | 67 | 5.597G | 68  | 5.494G |
| 69 | 5.419G | 70 | 5.698G | 71 | 5.427G | 72  | 5.662G |
| 73 | 5.397G | 74 | 5.261G | 75 | 5.444G | 76  | 5.465G |
| 77 | 5.678G | 78 | 5.498G | 79 | 5.684G | 80  | 5.629G |
| 81 | 5.464G | 82 | 5.282G | 83 | 5.251G | 84  | 5.700G |
| 85 | 5.473G | 86 | 5.634G | 87 | 5.567G | 88  | 5.380G |
| 89 | 5.460G | 90 | 5.468G | 91 | 5.362G | 92  | 5.527G |
| 93 | 5.539G | 94 | 5.720G | 95 | 5.439G | 96  | 5.704G |
| 97 | 5.438G | 98 | 5.339G | 99 | 5.583G | 100 | 5.486G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.370G            | 2    | 5.453G            | 3    | 5.644G            | 4    | 5.308G            |
| 5                                                | 5.373G            | 6    | 5.503G            | 7    | 5.257G            | 8    | 5.336G            |
| 9                                                | 5.387G            | 10   | 5.669G            | 11   | 5.319G            | 12   | 5.548G            |
| 13                                               | 5.273G            | 14   | 5.334G            | 15   | 5.663G            | 16   | 5.428G            |
| 17                                               | 5.492G            | 18   | 5.638G            | 19   | 5.295G            | 20   | 5.388G            |
| 21                                               | 5.512G            | 22   | 5.513G            | 23   | 5.455G            | 24   | 5.405G            |
| 25                                               | 5.496G            | 26   | 5.538G            | 27   | 5.596G            | 28   | 5.654G            |
| 29                                               | 5.368G            | 30   | 5.674G            | 31   | 5.279G            | 32   | 5.696G            |
| 33                                               | 5.277G            | 34   | 5.718G            | 35   | 5.600G            | 36   | 5.327G            |
| 37                                               | 5.660G            | 38   | 5.714G            | 39   | 5.723G            | 40   | 5.631G            |
| 41                                               | 5.539G            | 42   | 5.420G            | 43   | 5.482G            | 44   | 5.353G            |
| 45                                               | 5.345G            | 46   | 5.702G            | 47   | 5.390G            | 48   | 5.668G            |
| 49                                               | 5.349G            | 50   | 5.480G            | 51   | 5.534G            | 52   | 5.583G            |
| 53                                               | 5.256G            | 54   | 5.526G            | 55   | 5.643G            | 56   | 5.304G            |
| 57                                               | 5.435G            | 58   | 5.377G            | 59   | 5.264G            | 60   | 5.656G            |
| 61                                               | 5.450G            | 62   | 5.448G            | 63   | 5.298G            | 64   | 5.697G            |
| 65                                               | 5.282G            | 66   | 5.468G            | 67   | 5.586G            | 68   | 5.430G            |
| 69                                               | 5.561G            | 70   | 5.576G            | 71   | 5.401G            | 72   | 5.402G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.553G | 74 | 5.568G | 75 | 5.323G | 76  | 5.281G |
| 77 | 5.285G | 78 | 5.381G | 79 | 5.270G | 80  | 5.635G |
| 81 | 5.577G | 82 | 5.486G | 83 | 5.684G | 84  | 5.602G |
| 85 | 5.374G | 86 | 5.708G | 87 | 5.501G | 88  | 5.592G |
| 89 | 5.499G | 90 | 5.484G | 91 | 5.682G | 92  | 5.607G |
| 93 | 5.507G | 94 | 5.375G | 95 | 5.678G | 96  | 5.641G |
| 97 | 5.646G | 98 | 5.557G | 99 | 5.588G | 100 | 5.691G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.347G            | 2    | 5.450G            | 3    | 5.355G            | 4    | 5.604G            |
| 5                                                | 5.544G            | 6    | 5.673G            | 7    | 5.325G            | 8    | 5.523G            |
| 9                                                | 5.721G            | 10   | 5.585G            | 11   | 5.703G            | 12   | 5.475G            |
| 13                                               | 5.390G            | 14   | 5.525G            | 15   | 5.337G            | 16   | 5.267G            |
| 17                                               | 5.285G            | 18   | 5.320G            | 19   | 5.322G            | 20   | 5.281G            |
| 21                                               | 5.682G            | 22   | 5.675G            | 23   | 5.718G            | 24   | 5.669G            |
| 25                                               | 5.279G            | 26   | 5.269G            | 27   | 5.265G            | 28   | 5.636G            |
| 29                                               | 5.677G            | 30   | 5.483G            | 31   | 5.376G            | 32   | 5.495G            |
| 33                                               | 5.535G            | 34   | 5.335G            | 35   | 5.601G            | 36   | 5.275G            |
| 37                                               | 5.349G            | 38   | 5.368G            | 39   | 5.552G            | 40   | 5.521G            |
| 41                                               | 5.411G            | 42   | 5.417G            | 43   | 5.457G            | 44   | 5.303G            |
| 45                                               | 5.366G            | 46   | 5.709G            | 47   | 5.437G            | 48   | 5.292G            |
| 49                                               | 5.536G            | 50   | 5.298G            | 51   | 5.405G            | 52   | 5.333G            |
| 53                                               | 5.658G            | 54   | 5.354G            | 55   | 5.657G            | 56   | 5.623G            |
| 57                                               | 5.403G            | 58   | 5.421G            | 59   | 5.534G            | 60   | 5.491G            |
| 61                                               | 5.582G            | 62   | 5.713G            | 63   | 5.546G            | 64   | 5.428G            |
| 65                                               | 5.459G            | 66   | 5.435G            | 67   | 5.512G            | 68   | 5.352G            |
| 69                                               | 5.280G            | 70   | 5.440G            | 71   | 5.338G            | 72   | 5.487G            |
| 73                                               | 5.426G            | 74   | 5.288G            | 75   | 5.722G            | 76   | 5.705G            |
| 77                                               | 5.704G            | 78   | 5.628G            | 79   | 5.538G            | 80   | 5.478G            |
| 81                                               | 5.602G            | 82   | 5.434G            | 83   | 5.710G            | 84   | 5.441G            |
| 85                                               | 5.315G            | 86   | 5.717G            | 87   | 5.714G            | 88   | 5.569G            |
| 89                                               | 5.592G            | 90   | 5.461G            | 91   | 5.344G            | 92   | 5.622G            |
| 93                                               | 5.511G            | 94   | 5.460G            | 95   | 5.409G            | 96   | 5.668G            |
| 97                                               | 5.264G            | 98   | 5.517G            | 99   | 5.584G            | 100  | 5.259G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.449G            | 2    | 5.476G            | 3    | 5.473G            | 4    | 5.397G            |
| 5                                                | 5.508G            | 6    | 5.695G            | 7    | 5.656G            | 8    | 5.679G            |
| 9                                                | 5.435G            | 10   | 5.293G            | 11   | 5.618G            | 12   | 5.439G            |
| 13                                               | 5.468G            | 14   | 5.521G            | 15   | 5.563G            | 16   | 5.462G            |
| 17                                               | 5.633G            | 18   | 5.641G            | 19   | 5.533G            | 20   | 5.669G            |
| 21                                               | 5.486G            | 22   | 5.627G            | 23   | 5.403G            | 24   | 5.348G            |
| 25                                               | 5.614G            | 26   | 5.529G            | 27   | 5.671G            | 28   | 5.549G            |
| 29                                               | 5.638G            | 30   | 5.295G            | 31   | 5.518G            | 32   | 5.255G            |
| 33                                               | 5.432G            | 34   | 5.277G            | 35   | 5.709G            | 36   | 5.535G            |
| 37                                               | 5.286G            | 38   | 5.557G            | 39   | 5.619G            | 40   | 5.719G            |
| 41                                               | 5.259G            | 42   | 5.320G            | 43   | 5.639G            | 44   | 5.429G            |
| 45                                               | 5.451G            | 46   | 5.603G            | 47   | 5.382G            | 48   | 5.341G            |
| 49                                               | 5.357G            | 50   | 5.714G            | 51   | 5.377G            | 52   | 5.423G            |
| 53                                               | 5.580G            | 54   | 5.314G            | 55   | 5.335G            | 56   | 5.543G            |
| 57                                               | 5.278G            | 58   | 5.406G            | 59   | 5.676G            | 60   | 5.454G            |
| 61                                               | 5.591G            | 62   | 5.433G            | 63   | 5.632G            | 64   | 5.532G            |
| 65                                               | 5.697G            | 66   | 5.422G            | 67   | 5.478G            | 68   | 5.321G            |
| 69                                               | 5.381G            | 70   | 5.569G            | 71   | 5.398G            | 72   | 5.272G            |
| 73                                               | 5.500G            | 74   | 5.635G            | 75   | 5.280G            | 76   | 5.323G            |
| 77                                               | 5.516G            | 78   | 5.299G            | 79   | 5.710G            | 80   | 5.620G            |
| 81                                               | 5.675G            | 82   | 5.345G            | 83   | 5.362G            | 84   | 5.498G            |
| 85                                               | 5.322G            | 86   | 5.339G            | 87   | 5.552G            | 88   | 5.648G            |
| 89                                               | 5.541G            | 90   | 5.523G            | 91   | 5.337G            | 92   | 5.380G            |
| 93                                               | 5.650G            | 94   | 5.326G            | 95   | 5.418G            | 96   | 5.502G            |
| 97                                               | 5.351G            | 98   | 5.264G            | 99   | 5.626G            | 100  | 5.565G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.672G            | 2    | 5.293G            | 3    | 5.512G            | 4    | 5.436G            |
| 5                                                | 5.415G            | 6    | 5.447G            | 7    | 5.336G            | 8    | 5.636G            |
| 9                                                | 5.316G            | 10   | 5.650G            | 11   | 5.392G            | 12   | 5.567G            |
| 13                                               | 5.600G            | 14   | 5.668G            | 15   | 5.696G            | 16   | 5.459G            |
| 17                                               | 5.305G            | 18   | 5.396G            | 19   | 5.574G            | 20   | 5.587G            |
| 21                                               | 5.623G            | 22   | 5.644G            | 23   | 5.724G            | 24   | 5.442G            |
| 25                                               | 5.294G            | 26   | 5.548G            | 27   | 5.253G            | 28   | 5.443G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.542G | 30 | 5.258G | 31 | 5.261G | 32  | 5.353G |
| 33 | 5.515G | 34 | 5.430G | 35 | 5.648G | 36  | 5.344G |
| 37 | 5.296G | 38 | 5.462G | 39 | 5.514G | 40  | 5.709G |
| 41 | 5.562G | 42 | 5.622G | 43 | 5.540G | 44  | 5.365G |
| 45 | 5.417G | 46 | 5.255G | 47 | 5.513G | 48  | 5.639G |
| 49 | 5.621G | 50 | 5.494G | 51 | 5.358G | 52  | 5.398G |
| 53 | 5.700G | 54 | 5.569G | 55 | 5.378G | 56  | 5.420G |
| 57 | 5.444G | 58 | 5.572G | 59 | 5.362G | 60  | 5.297G |
| 61 | 5.712G | 62 | 5.519G | 63 | 5.303G | 64  | 5.505G |
| 65 | 5.486G | 66 | 5.466G | 67 | 5.597G | 68  | 5.427G |
| 69 | 5.448G | 70 | 5.460G | 71 | 5.310G | 72  | 5.502G |
| 73 | 5.590G | 74 | 5.487G | 75 | 5.625G | 76  | 5.581G |
| 77 | 5.431G | 78 | 5.723G | 79 | 5.545G | 80  | 5.264G |
| 81 | 5.651G | 82 | 5.338G | 83 | 5.301G | 84  | 5.299G |
| 85 | 5.346G | 86 | 5.713G | 87 | 5.282G | 88  | 5.286G |
| 89 | 5.559G | 90 | 5.593G | 91 | 5.533G | 92  | 5.278G |
| 93 | 5.266G | 94 | 5.332G | 95 | 5.380G | 96  | 5.350G |
| 97 | 5.483G | 98 | 5.682G | 99 | 5.414G | 100 | 5.428G |

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| Type 1 Radar Statistical Performances |                                            |                        |                  |            |                       |           |
|---------------------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| Trial #                               | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18                                         | 1165.6                 | 62               | 858        | 5509                  | Yes       |
| 2                                     | 20                                         | 1113.6                 | 59               | 898        | 5569                  | Yes       |
| 3                                     | 8                                          | 1519.8                 | 81               | 658        | 5540                  | Yes       |
| 4                                     | 19                                         | 1139                   | 61               | 878        | 5526                  | Yes       |
| 5                                     | 6                                          | 1618.1                 | 86               | 618        | 5495                  | Yes       |
| 6                                     | 12                                         | 1355                   | 72               | 738        | 5502                  | Yes       |
| 7                                     | 5                                          | 1672.2                 | 89               | 598        | 5533                  | Yes       |
| 8                                     | 7                                          | 1567.4                 | 83               | 638        | 5549                  | Yes       |
| 9                                     | 22                                         | 1066.1                 | 57               | 938        | 5504                  | Yes       |
| 10                                    | 2                                          | 1858.7                 | 99               | 538        | 5539                  | Yes       |
| 11                                    | 9                                          | 1474.9                 | 78               | 678        | 5493                  | Yes       |
| 12                                    | 14                                         | 1285.3                 | 68               | 778        | 5536                  | Yes       |
| 13                                    | 21                                         | 1089.3                 | 58               | 918        | 5547                  | Yes       |
| 14                                    | 10                                         | 1432.7                 | 76               | 698        | 5523                  | Yes       |
| 15                                    | 3                                          | 1792.1                 | 95               | 558        | 5492                  | Yes       |
| 16                                    |                                            |                        | 18               | 3051       | 5499                  | Yes       |
| 17                                    |                                            |                        | 23               | 2351       | 5516                  | Yes       |
| 18                                    |                                            |                        | 58               | 921        | 5566                  | Yes       |
| 19                                    |                                            |                        | 34               | 1555       | 5524                  | Yes       |
| 20                                    |                                            |                        | 21               | 2590       | 5511                  | Yes       |
| 21                                    |                                            |                        | 34               | 1573       | 5560                  | Yes       |
| 22                                    |                                            |                        | 92               | 577        | 5503                  | Yes       |
| 23                                    |                                            |                        | 26               | 2087       | 5521                  | Yes       |
| 24                                    |                                            |                        | 53               | 997        | 5505                  | Yes       |
| 25                                    |                                            |                        | 23               | 2358       | 5515                  | Yes       |
| 26                                    |                                            |                        | 34               | 1566       | 5501                  | Yes       |
| 27                                    |                                            |                        | 22               | 2424       | 5508                  | Yes       |
| 28                                    |                                            |                        | 27               | 1994       | 5562                  | Yes       |
| 29                                    |                                            |                        | 28               | 1923       | 5519                  | Yes       |
| 30                                    |                                            |                        | 75               | 708        | 5498                  | Yes       |
| Detection Rate: 100 %                 |                                            |                        |                  |            |                       |           |

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 23               | 1.3                | 228        | 5494                  | Yes       |
| 2                                     | 26               | 3.2                | 172        | 5504                  | Yes       |
| 3                                     | 27               | 3.9                | 212        | 5564                  | Yes       |
| 4                                     | 24               | 1.9                | 213        | 5523                  | Yes       |
| 5                                     | 27               | 3.6                | 150        | 5563                  | No        |
| 6                                     | 26               | 3.3                | 158        | 5522                  | Yes       |
| 7                                     | 29               | 4.9                | 210        | 5515                  | No        |
| 8                                     | 23               | 1.3                | 223        | 5532                  | Yes       |
| 9                                     | 29               | 4.9                | 152        | 5499                  | Yes       |
| 10                                    | 27               | 3.3                | 190        | 5562                  | Yes       |
| 11                                    | 25               | 2.7                | 203        | 5501                  | Yes       |
| 12                                    | 29               | 5                  | 227        | 5543                  | Yes       |
| 13                                    | 26               | 3.3                | 196        | 5533                  | Yes       |
| 14                                    | 28               | 4.4                | 198        | 5558                  | Yes       |
| 15                                    | 24               | 1.9                | 161        | 5530                  | Yes       |
| 16                                    | 27               | 3.6                | 226        | 5492                  | Yes       |
| 17                                    | 26               | 2.8                | 181        | 5506                  | No        |
| 18                                    | 25               | 2.5                | 167        | 5547                  | Yes       |
| 19                                    | 23               | 1.3                | 178        | 5517                  | Yes       |
| 20                                    | 25               | 2.4                | 187        | 5567                  | Yes       |
| 21                                    | 29               | 4.8                | 153        | 5511                  | Yes       |
| 22                                    | 27               | 3.5                | 201        | 5509                  | Yes       |
| 23                                    | 23               | 1.3                | 166        | 5513                  | Yes       |
| 24                                    | 29               | 4.8                | 155        | 5526                  | Yes       |
| 25                                    | 28               | 4.3                | 221        | 5550                  | Yes       |
| 26                                    | 26               | 3.2                | 191        | 5565                  | Yes       |
| 27                                    | 24               | 1.7                | 192        | 5540                  | Yes       |
| 28                                    | 23               | 1.2                | 164        | 5510                  | Yes       |
| 29                                    | 25               | 2.4                | 154        | 5514                  | Yes       |
| 30                                    | 29               | 5                  | 207        | 5566                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 6.3                | 403        | 5560                  | Yes       |
| 2                                     | 17               | 8.2                | 313        | 5493                  | Yes       |
| 3                                     | 18               | 8.9                | 214        | 5539                  | Yes       |
| 4                                     | 16               | 6.9                | 262        | 5542                  | Yes       |
| 5                                     | 17               | 8.6                | 273        | 5568                  | Yes       |
| 6                                     | 17               | 8.3                | 470        | 5520                  | Yes       |
| 7                                     | 18               | 9.9                | 453        | 5562                  | Yes       |
| 8                                     | 16               | 6.3                | 378        | 5531                  | Yes       |
| 9                                     | 18               | 9.9                | 483        | 5503                  | Yes       |
| 10                                    | 17               | 8.3                | 317        | 5525                  | No        |
| 11                                    | 17               | 7.7                | 385        | 5509                  | Yes       |
| 12                                    | 18               | 10                 | 275        | 5498                  | Yes       |
| 13                                    | 17               | 8.3                | 497        | 5535                  | Yes       |
| 14                                    | 18               | 9.4                | 420        | 5494                  | Yes       |
| 15                                    | 16               | 6.9                | 366        | 5512                  | Yes       |
| 16                                    | 17               | 8.6                | 414        | 5554                  | Yes       |
| 17                                    | 17               | 7.8                | 444        | 5530                  | Yes       |
| 18                                    | 17               | 7.5                | 427        | 5545                  | Yes       |
| 19                                    | 16               | 6.3                | 338        | 5528                  | Yes       |
| 20                                    | 17               | 7.4                | 436        | 5563                  | Yes       |
| 21                                    | 18               | 9.8                | 265        | 5501                  | No        |
| 22                                    | 17               | 8.5                | 451        | 5507                  | Yes       |
| 23                                    | 16               | 6.3                | 274        | 5491                  | No        |
| 24                                    | 18               | 9.8                | 417        | 5496                  | Yes       |
| 25                                    | 18               | 9.3                | 330        | 5515                  | Yes       |
| 26                                    | 17               | 8.2                | 472        | 5551                  | Yes       |
| 27                                    | 16               | 6.7                | 333        | 5552                  | Yes       |
| 28                                    | 16               | 6.2                | 377        | 5518                  | Yes       |
| 29                                    | 17               | 7.4                | 394        | 5569                  | Yes       |
| 30                                    | 18               | 10                 | 296        | 5504                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 12               | 11.7               | 403        | 5567                  | Yes       |
| 2                                     | 14               | 15.9               | 313        | 5523                  | Yes       |
| 3                                     | 15               | 17.4               | 214        | 5540                  | Yes       |
| 4                                     | 13               | 13.2               | 262        | 5494                  | Yes       |
| 5                                     | 15               | 16.8               | 273        | 5526                  | Yes       |
| 6                                     | 14               | 16.1               | 470        | 5565                  | Yes       |
| 7                                     | 16               | 19.8               | 453        | 5506                  | Yes       |
| 8                                     | 12               | 11.7               | 378        | 5516                  | Yes       |
| 9                                     | 16               | 19.8               | 483        | 5515                  | Yes       |
| 10                                    | 14               | 16.2               | 317        | 5505                  | Yes       |
| 11                                    | 14               | 14.8               | 385        | 5534                  | Yes       |
| 12                                    | 16               | 19.9               | 275        | 5529                  | Yes       |
| 13                                    | 14               | 16.1               | 497        | 5545                  | Yes       |
| 14                                    | 16               | 18.6               | 420        | 5504                  | Yes       |
| 15                                    | 13               | 13.2               | 366        | 5539                  | Yes       |
| 16                                    | 15               | 16.9               | 414        | 5491                  | Yes       |
| 17                                    | 14               | 15                 | 444        | 5563                  | No        |
| 18                                    | 13               | 14.4               | 427        | 5560                  | No        |
| 19                                    | 12               | 11.7               | 338        | 5522                  | Yes       |
| 20                                    | 13               | 14.2               | 436        | 5551                  | Yes       |
| 21                                    | 16               | 19.6               | 265        | 5499                  | Yes       |
| 22                                    | 15               | 16.5               | 451        | 5512                  | Yes       |
| 23                                    | 12               | 11.7               | 274        | 5569                  | Yes       |
| 24                                    | 16               | 19.4               | 417        | 5555                  | Yes       |
| 25                                    | 16               | 18.3               | 330        | 5498                  | No        |
| 26                                    | 14               | 15.9               | 472        | 5558                  | Yes       |
| 27                                    | 12               | 12.5               | 333        | 5517                  | Yes       |
| 28                                    | 12               | 11.5               | 377        | 5537                  | Yes       |
| 29                                    | 13               | 14.2               | 394        | 5508                  | Yes       |
| 30                                    | 16               | 19.8               | 296        | 5518                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                         |
|---------------------------------------|------------------|-------------------------|
| Trial #                               | Test Signal Name | Detection               |
| 1                                     | LP_Signal_01     | Yes                     |
| 2                                     | LP_Signal_02     | No                      |
| 3                                     | LP_Signal_03     | Yes                     |
| 4                                     | LP_Signal_04     | Yes                     |
| 5                                     | LP_Signal_05     | Yes                     |
| 6                                     | LP_Signal_06     | Yes                     |
| 7                                     | LP_Signal_07     | Yes                     |
| 8                                     | LP_Signal_08     | Yes                     |
| 9                                     | LP_Signal_09     | Yes                     |
| 10                                    | LP_Signal_10     | Yes                     |
| 11                                    | LP_Signal_11     | Yes                     |
| 12                                    | LP_Signal_12     | Yes                     |
| 13                                    | LP_Signal_13     | Yes                     |
| 14                                    | LP_Signal_14     | Yes                     |
| 15                                    | LP_Signal_15     | Yes                     |
| 16                                    | LP_Signal_16     | Yes                     |
| 17                                    | LP_Signal_17     | Yes                     |
| 18                                    | LP_Signal_18     | Yes                     |
| 19                                    | LP_Signal_19     | Yes                     |
| 20                                    | LP_Signal_20     | Yes                     |
| 21                                    | LP_Signal_21     | Yes                     |
| 22                                    | LP_Signal_22     | Yes                     |
| 23                                    | LP_Signal_23     | Yes                     |
| 24                                    | LP_Signal_24     | Yes                     |
| 25                                    | LP_Signal_25     | Yes                     |
| 26                                    | LP_Signal_26     | Yes                     |
| 27                                    | LP_Signal_27     | Yes                     |
| 28                                    | LP_Signal_28     | Yes                     |
| 29                                    | LP_Signal_29     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 96.67 % |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_01  
Number of Bursts in Trial: 13  
Chirp Center Frequency 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 11          | 71.4            | 1802.0     | 1484.0     | -          |
| 2     | 2                | 11          | 72.9            | 1618.0     | 1750.0     | -          |
| 3     | 1                | 11          | 52.9            | 1654.0     | -          | -          |
| 4     | 2                | 11          | 74.0            | 1742.0     | 1659.0     | -          |
| 5     | 1                | 11          | 63.4            | 1097.0     | -          | -          |
| 6     | 2                | 11          | 71.2            | 1072.0     | 1940.0     | -          |
| 7     | 3                | 11          | 97.0            | 1824.0     | 1300.0     | 1658.0     |
| 8     | 3                | 11          | 97.9            | 1279.0     | 1115.0     | 1411.0     |
| 9     | 1                | 11          | 54.5            | 1974.0     | -          | -          |
| 10    | 2                | 11          | 79.6            | 1304.0     | 1378.0     | -          |
| 11    | 3                | 11          | 96.2            | 1471.0     | 1233.0     | 1921.0     |
| 12    | 2                | 11          | 74.7            | 1177.0     | 1638.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_02  
Number of Bursts in Trial: 13  
Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 57.6            | 1988.0     | -          | -          |
| 2     | 1                | 12          | 64.1            | 1013.0     | -          | -          |
| 3     | 2                | 12          | 82.6            | 1611.0     | 1070.0     | -          |
| 4     | 2                | 12          | 82.3            | 1991.0     | 1683.0     | -          |
| 5     | 2                | 12          | 78.8            | 1702.0     | 1478.0     | -          |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 6  | 3 | 12 | 96.1 | 1813.0 | 1847.0 | 1995.0 |
| 7  | 3 | 12 | 90.0 | 1749.0 | 1346.0 | 1133.0 |
| 8  | 1 | 12 | 50.6 | 1710.0 | -      | -      |
| 9  | 1 | 12 | 52.8 | 1195.0 | -      | -      |
| 10 | 2 | 12 | 75.6 | 1861.0 | 1244.0 | -      |
| 11 | 1 | 12 | 58.8 | 1218.0 | -      | -      |
| 12 | 2 | 12 | 79.1 | 1544.0 | 1775.0 | -      |
| 13 | 1 | 12 | 65.7 | 1186.0 | -      | -      |
| 14 |   |    |      |        |        |        |
| 15 |   |    |      |        |        |        |
| 16 |   |    |      |        |        |        |
| 17 |   |    |      |        |        |        |
| 18 |   |    |      |        |        |        |
| 19 |   |    |      |        |        |        |
| 20 |   |    |      |        |        |        |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 8

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 5           | 83.6            | 1369.0     | 1139.0     | 1441.0     |
| 2     | 1                | 5           | 63.2            | 1909.0     | -          | -          |
| 3     | 1                | 5           | 51.6            | 1664.0     | -          | -          |
| 4     | 1                | 5           | 66.5            | 1883.0     | -          | -          |
| 5     | 2                | 5           | 75.5            | 1560.0     | 1335.0     | -          |
| 6     | 3                | 5           | 91.2            | 1144.0     | 1617.0     | 1582.0     |
| 7     | 3                | 5           | 95.9            | 1111.0     | 1312.0     | 1329.0     |
| 8     | 1                | 5           | 60.7            | 1754.0     | -          | -          |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 18 |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 14

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 89.3            | 1564.0     | 1977.0     | 1832.0     |
| 2     | 1                | 12          | 57.6            | 1639.0     | -          | -          |
| 3     | 2                | 12          | 74.3            | 1600.0     | 1127.0     | -          |
| 4     | 2                | 12          | 75.7            | 1631.0     | 1125.0     | -          |
| 5     | 3                | 12          | 94.3            | 1353.0     | 1464.0     | 1984.0     |
| 6     | 1                | 12          | 53.3            | 1030.0     | -          | -          |
| 7     | 2                | 12          | 70.7            | 1677.0     | 1798.0     | -          |
| 8     | 1                | 12          | 60.8            | 1836.0     | -          | -          |
| 9     | 1                | 12          | 63.4            | 1053.0     | -          | -          |
| 10    | 1                | 12          | 64.6            | 1899.0     | -          | -          |
| 11    | 2                | 12          | 82.6            | 1725.0     | 1082.0     | -          |
| 12    | 3                | 12          | 86.0            | 1272.0     | 1821.0     | 1171.0     |
| 13    | 2                | 12          | 69.9            | 1833.0     | 1765.0     | -          |
| 14    | 2                | 12          | 79.9            | 1102.0     | 1385.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 9           | 51.3            | 1017.0     | -          | -          |
| 2     | 2                | 9           | 70.5            | 1275.0     | 1651.0     | -          |
| 3     | 2                | 9           | 72.8            | 1868.0     | 1107.0     | -          |
| 4     | 3                | 9           | 88.8            | 1682.0     | 1496.0     | 1714.0     |
| 5     | 1                | 9           | 58.0            | 1389.0     | -          | -          |
| 6     | 1                | 9           | 66.1            | 1588.0     | -          | -          |
| 7     | 3                | 9           | 99.9            | 1242.0     | 1577.0     | 1063.0     |
| 8     | 2                | 9           | 68.6            | 1035.0     | 1311.0     | -          |
| 9     | 3                | 9           | 97.3            | 1672.0     | 1578.0     | 1203.0     |
| 10    | 3                | 9           | 94.1            | 1660.0     | 1348.0     | 1783.0     |
| 11    | 3                | 9           | 94.9            | 1278.0     | 1058.0     | 1859.0     |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 13

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 11          | 97.8            | 1376.0     | 1735.0     | 1705.0     |
| 2     | 3                | 11          | 87.6            | 1264.0     | 1721.0     | 1020.0     |
| 3     | 3                | 11          | 83.7            | 1715.0     | 1246.0     | 1361.0     |
| 4     | 3                | 11          | 96.3            | 1078.0     | 1815.0     | 1116.0     |
| 5     | 3                | 11          | 88.1            | 1176.0     | 1997.0     | 1302.0     |
| 6     | 1                | 11          | 54.1            | 1375.0     | -          | -          |
| 7     | 1                | 11          | 54.9            | 1168.0     | -          | -          |
| 8     | 2                | 11          | 78.9            | 1467.0     | 1657.0     | -          |
| 9     | 2                | 11          | 80.3            | 1148.0     | 1568.0     | -          |
| 10    | 2                | 11          | 68.3            | 1963.0     | 1402.0     | -          |
| 11    | 1                | 11          | 56.4            | 1848.0     | -          | -          |
| 12    | 1                | 11          | 58.2            | 1630.0     | -          | -          |
| 13    | 1                | 11          | 56.5            | 1105.0     | -          | -          |
| 14    |                  |             |                 |            |            | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 20

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 20          | 84.6            | 1756.0     | 1857.0     | 1741.0     |
| 2     | 3                | 20          | 92.7            | 1470.0     | 1236.0     | 1262.0     |
| 3     | 2                | 20          | 69.2            | 1733.0     | 1200.0     | -          |
| 4     | 3                | 20          | 89.8            | 1793.0     | 1703.0     | 1923.0     |
| 5     | 3                | 20          | 89.4            | 1880.0     | 1676.0     | 1486.0     |
| 6     | 1                | 20          | 61.0            | 1462.0     | -          | -          |
| 7     | 2                | 20          | 76.2            | 1280.0     | 1918.0     | -          |
| 8     | 3                | 20          | 93.1            | 1299.0     | 1661.0     | 1110.0     |
| 9     | 3                | 20          | 95.8            | 1846.0     | 1011.0     | 1964.0     |
| 10    | 1                | 20          | 53.6            | 1810.0     | -          | -          |
| 11    | 1                | 20          | 61.9            | 1435.0     | -          | -          |
| 12    | 2                | 20          | 81.1            | 1744.0     | 1864.0     | -          |
| 13    | 3                | 20          | 93.7            | 1875.0     | 1392.0     | 1212.0     |
| 14    | 3                | 20          | 86.8            | 1644.0     | 1622.0     | 1863.0     |
| 15    | 2                | 20          | 83.2            | 1445.0     | 1797.0     | -          |
| 16    | 2                | 20          | 79.7            | 1764.0     | 1674.0     | -          |
| 17    | 1                | 20          | 60.8            | 1500.0     | -          | -          |
| 18    | 2                | 20          | 70.7            | 1901.0     | 1033.0     | -          |
| 19    | 1                | 20          | 60.4            | 1751.0     | -          | -          |
| 20    | 2                | 20          | 80.2            | 1626.0     | 1730.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 20

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 80.9            | 1545.0     | 1603.0     | -          |
| 2     | 3                | 20          | 96.5            | 1189.0     | 1449.0     | 1225.0     |
| 3     | 1                | 20          | 65.8            | 1925.0     | -          | -          |
| 4     | 3                | 20          | 87.0            | 1018.0     | 1049.0     | 1841.0     |
| 5     | 1                | 20          | 64.6            | 1048.0     | -          | -          |
| 6     | 2                | 20          | 75.3            | 1429.0     | 1368.0     | -          |
| 7     | 1                | 20          | 60.4            | 1156.0     | -          | -          |
| 8     | 2                | 20          | 77.7            | 1681.0     | 1307.0     | -          |
| 9     | 1                | 20          | 57.1            | 1625.0     | -          | -          |
| 10    | 3                | 20          | 89.7            | 1355.0     | 1088.0     | 1374.0     |
| 11    | 1                | 20          | 61.6            | 1537.0     | -          | -          |
| 12    | 3                | 20          | 94.9            | 1989.0     | 1865.0     | 1947.0     |
| 13    | 1                | 20          | 62.2            | 1234.0     | -          | -          |
| 14    | 1                | 20          | 66.2            | 1931.0     | -          | -          |
| 15    | 1                | 20          | 54.2            | 1062.0     | -          | -          |
| 16    | 1                | 20          | 65.4            | 1014.0     | -          | -          |
| 17    | 3                | 20          | 96.9            | 1572.0     | 1489.0     | 1042.0     |
| 18    | 1                | 20          | 60.0            | 1576.0     | -          | -          |
| 19    | 2                | 20          | 79.2            | 1757.0     | 1993.0     | -          |
| 20    | 3                | 20          | 86.2            | 1237.0     | 1607.0     | 1060.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 9

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 6           | 67.9            | 1522.0     | 1835.0     | -          |
| 2     | 1                | 6           | 51.7            | 1472.0     | -          | -          |
| 3     | 1                | 6           | 51.9            | 1917.0     | -          | -          |
| 4     | 3                | 6           | 83.9            | 1130.0     | 1323.0     | 1518.0     |
| 5     | 2                | 6           | 71.8            | 1284.0     | 1515.0     | -          |
| 6     | 1                | 6           | 65.1            | 1068.0     | -          | -          |
| 7     | 3                | 6           | 94.4            | 1173.0     | 1019.0     | 1934.0     |
| 8     | 2                | 6           | 67.4            | 1624.0     | 1866.0     | -          |
| 9     | 2                | 6           | 71.8            | 1209.0     | 1288.0     | -          |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 15

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 14          | 99.2            | 1814.0     | 1640.0     | 1794.0     |
| 2     | 2                | 14          | 69.4            | 1316.0     | 1641.0     | -          |
| 3     | 3                | 14          | 97.7            | 1675.0     | 1548.0     | 1344.0     |
| 4     | 3                | 14          | 96.1            | 1075.0     | 1407.0     | 1413.0     |
| 5     | 2                | 14          | 78.1            | 1728.0     | 1052.0     | -          |
| 6     | 2                | 14          | 75.7            | 1492.0     | 1162.0     | -          |
| 7     | 3                | 14          | 88.1            | 1205.0     | 1529.0     | 1508.0     |
| 8     | 2                | 14          | 76.9            | 1584.0     | 1558.0     | -          |
| 9     | 2                | 14          | 82.3            | 1616.0     | 1438.0     | -          |
| 10    | 2                | 14          | 75.2            | 1074.0     | 1680.0     | -          |
| 11    | 1                | 14          | 64.0            | 1566.0     | -          | -          |
| 12    | 1                | 14          | 50.5            | 1085.0     | -          | -          |
| 13    | 3                | 14          | 98.6            | 1123.0     | 1090.0     | 1509.0     |
| 14    | 3                | 14          | 85.9            | 1719.0     | 1845.0     | 1949.0     |
| 15    | 1                | 14          | 56.1            | 1726.0     | -          | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 19

Chirp Center Frequency: 5499.1 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 92.1            | 1098.0     | 1308.0     | 1459.0     |
| 2     | 2                | 19          | 67.0            | 1927.0     | 1877.0     | -          |
| 3     | 2                | 19          | 68.8            | 1126.0     | 1468.0     | -          |
| 4     | 2                | 19          | 77.5            | 1609.0     | 1286.0     | -          |
| 5     | 2                | 19          | 82.5            | 1091.0     | 1083.0     | -          |
| 6     | 2                | 19          | 67.8            | 1163.0     | 1523.0     | -          |
| 7     | 2                | 19          | 82.9            | 1650.0     | 1843.0     | -          |
| 8     | 1                | 19          | 50.8            | 1643.0     | -          | -          |
| 9     | 3                | 19          | 91.5            | 1405.0     | 1469.0     | 1739.0     |
| 10    | 2                | 19          | 74.2            | 1933.0     | 1366.0     | -          |
| 11    | 1                | 19          | 62.3            | 1352.0     | -          | -          |
| 12    | 2                | 19          | 79.1            | 1944.0     | 1119.0     | -          |
| 13    | 3                | 19          | 94.6            | 1034.0     | 1357.0     | 1554.0     |
| 14    | 2                | 19          | 81.9            | 1227.0     | 1839.0     | -          |
| 15    | 1                | 19          | 65.2            | 1592.0     | -          | -          |
| 16    | 3                | 19          | 99.5            | 1418.0     | 1636.0     | 1533.0     |
| 17    | 2                | 19          | 80.9            | 1881.0     | 1786.0     | -          |
| 18    | 3                | 19          | 93.1            | 1818.0     | 1998.0     | 1736.0     |
| 19    | 1                | 19          | 55.9            | 1936.0     | -          | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 14

Chirp Center Frequency: 5496.3 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 58.0            | 1004.0     | -          | -          |
| 2     | 2                | 12          | 70.3            | 1393.0     | 1504.0     | -          |
| 3     | 1                | 12          | 63.9            | 1586.0     | -          | -          |
| 4     | 3                | 12          | 98.9            | 1822.0     | 1727.0     | 1986.0     |
| 5     | 3                | 12          | 84.2            | 1623.0     | 1382.0     | 1419.0     |
| 6     | 3                | 12          | 90.6            | 1096.0     | 1745.0     | 1987.0     |
| 7     | 1                | 12          | 66.1            | 1669.0     | -          | -          |
| 8     | 3                | 12          | 88.5            | 1820.0     | 1811.0     | 1590.0     |
| 9     | 1                | 12          | 64.5            | 1834.0     | -          | -          |
| 10    | 3                | 12          | 84.8            | 1036.0     | 1466.0     | 1027.0     |
| 11    | 1                | 12          | 65.1            | 1536.0     | -          | -          |
| 12    | 3                | 12          | 85.6            | 1620.0     | 1347.0     | 1397.0     |
| 13    | 2                | 12          | 69.3            | 1951.0     | 1772.0     | -          |
| 14    | 1                | 12          | 65.8            | 1693.0     | -          | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 18

Chirp Center Frequency: 5498.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 95.9            | 1905.0     | 1890.0     | 1037.0     |
| 2     | 3                | 18          | 91.9            | 1724.0     | 1615.0     | 1081.0     |
| 3     | 1                | 18          | 54.7            | 1912.0     | -          | -          |
| 4     | 3                | 18          | 96.3            | 1169.0     | 1073.0     | 1805.0     |
| 5     | 2                | 18          | 66.9            | 1482.0     | 1550.0     | -          |
| 6     | 3                | 18          | 84.9            | 1356.0     | 1953.0     | 1450.0     |
| 7     | 1                | 18          | 53.9            | 1157.0     | -          | -          |
| 8     | 1                | 18          | 66.2            | 1720.0     | -          | -          |
| 9     | 2                | 18          | 68.6            | 1530.0     | 1093.0     | -          |
| 10    | 1                | 18          | 56.2            | 1296.0     | -          | -          |
| 11    | 2                | 18          | 71.9            | 1159.0     | 1021.0     | -          |
| 12    | 1                | 18          | 65.8            | 1955.0     | -          | -          |
| 13    | 3                | 18          | 96.6            | 1394.0     | 1431.0     | 1422.0     |
| 14    | 3                | 18          | 93.5            | 1387.0     | 1104.0     | 1295.0     |
| 15    | 3                | 18          | 95.1            | 1907.0     | 1707.0     | 1748.0     |
| 16    | 2                | 18          | 67.1            | 1527.0     | 1594.0     | -          |
| 17    | 2                | 18          | 75.8            | 1722.0     | 1665.0     | -          |
| 18    | 2                | 18          | 83.1            | 1416.0     | 1455.0     | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 12

Chirp Center Frequency: 5494.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 7           | 57.5            | 1259.0     | -          | -          |
| 2     | 3                | 7           | 92.6            | 1516.0     | 1241.0     | 1129.0     |
| 3     | 2                | 7           | 77.9            | 1326.0     | 1684.0     | -          |
| 4     | 3                | 7           | 85.9            | 1990.0     | 1968.0     | 1103.0     |
| 5     | 2                | 7           | 78.2            | 1614.0     | 1531.0     | -          |
| 6     | 2                | 7           | 68.2            | 1332.0     | 1166.0     | -          |
| 7     | 3                | 7           | 84.7            | 1985.0     | 1124.0     | 1502.0     |
| 8     | 3                | 7           | 86.9            | 1251.0     | 1118.0     | 1882.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chirp Center Frequency: 5495.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 79.3            | 1439.0     | 1557.0     | -          |
| 2     | 2                | 9           | 68.3            | 1809.0     | 1924.0     | -          |
| 3     | 1                | 9           | 66.0            | 1291.0     | -          | -          |
| 4     | 2                | 9           | 76.3            | 1782.0     | 1475.0     | -          |
| 5     | 3                | 9           | 88.6            | 1491.0     | 1887.0     | 1790.0     |
| 6     | 3                | 9           | 93.0            | 1408.0     | 1055.0     | 1206.0     |
| 7     | 1                | 9           | 63.2            | 1437.0     | -          | -          |
| 8     | 3                | 9           | 98.8            | 1926.0     | 1403.0     | 1399.0     |
| 9     | 3                | 9           | 90.1            | 1202.0     | 1517.0     | 1686.0     |
| 10    | 1                | 9           | 60.4            | 1220.0     | -          | -          |
| 11    | 1                | 9           | 53.1            | 1543.0     | -          | -          |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 16

Chirp Center Frequency: 5497.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 15          | 64.0            | 1919.0     | -          | -          |
| 2     | 1                | 15          | 58.2            | 1321.0     | -          | -          |
| 3     | 1                | 15          | 51.9            | 1945.0     | -          | -          |
| 4     | 3                | 15          | 91.8            | 1287.0     | 1025.0     | 1428.0     |
| 5     | 1                | 15          | 51.6            | 1456.0     | -          | -          |
| 6     | 1                | 15          | 57.7            | 1904.0     | -          | -          |
| 7     | 2                | 15          | 76.9            | 1330.0     | 1002.0     | -          |
| 8     | 2                | 15          | 68.3            | 1633.0     | 1406.0     | -          |
| 9     | 3                | 15          | 94.0            | 1141.0     | 1801.0     | 1138.0     |
| 10    | 2                | 15          | 72.7            | 1261.0     | 1520.0     | -          |
| 11    | 3                | 15          | 93.5            | 1185.0     | 1574.0     | 1354.0     |
| 12    | 3                | 15          | 97.5            | 1591.0     | 1112.0     | 1528.0     |
| 13    | 1                | 15          | 59.0            | 1172.0     | -          | -          |
| 14    | 2                | 15          | 82.0            | 1228.0     | 1196.0     | -          |
| 15    | 2                | 15          | 78.1            | 1553.0     | 1506.0     | -          |
| 16    | 2                | 15          | 76.7            | 1320.0     | 1143.0     | -          |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 16

Chirp Center Frequency: 5497.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 15          | 88.0            | 1009.0     | 1911.0     | 1734.0     |
| 2     | 1                | 15          | 60.0            | 1444.0     | -          | -          |
| 3     | 1                | 15          | 63.6            | 1902.0     | -          | -          |
| 4     | 3                | 15          | 86.6            | 1916.0     | 1223.0     | 1488.0     |
| 5     | 1                | 15          | 61.6            | 1889.0     | -          | -          |
| 6     | 2                | 15          | 80.0            | 1573.0     | 1167.0     | -          |
| 7     | 2                | 15          | 68.5            | 1938.0     | 1692.0     | -          |
| 8     | 2                | 15          | 74.7            | 1265.0     | 1219.0     | -          |
| 9     | 3                | 15          | 97.9            | 1587.0     | 1213.0     | 1637.0     |
| 10    | 1                | 15          | 52.5            | 1701.0     | -          | -          |
| 11    | 2                | 15          | 79.9            | 1454.0     | 1807.0     | -          |
| 12    | 2                | 15          | 83.3            | 1930.0     | 1142.0     | -          |
| 13    | 2                | 15          | 72.9            | 1606.0     | 1939.0     | -          |
| 14    | 3                | 15          | 83.4            | 1778.0     | 1731.0     | 1314.0     |
| 15    | 3                | 15          | 94.8            | 1260.0     | 1067.0     | 1535.0     |
| 16    | 1                | 15          | 54.9            | 1440.0     | -          | -          |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 15

Chirp Center Frequency: 5497.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 14          | 56.6            | 1147.0     | -          | -          |
| 2     | 2                | 14          | 72.6            | 1152.0     | 1601.0     | -          |
| 3     | 2                | 14          | 69.1            | 1571.0     | 1803.0     | -          |
| 4     | 3                | 14          | 99.4            | 1350.0     | 1146.0     | 1760.0     |
| 5     | 3                | 14          | 90.7            | 1064.0     | 1309.0     | 1896.0     |
| 6     | 3                | 14          | 86.1            | 1983.0     | 1816.0     | 1855.0     |
| 7     | 3                | 14          | 84.2            | 1370.0     | 1823.0     | 1646.0     |
| 8     | 2                | 14          | 70.4            | 1635.0     | 1854.0     | -          |
| 9     | 3                | 14          | 91.3            | 1334.0     | 1136.0     | 1341.0     |
| 10    | 1                | 14          | 66.3            | 1360.0     | -          | -          |
| 11    | 3                | 14          | 93.0            | 1271.0     | 1057.0     | 1929.0     |
| 12    | 3                | 14          | 93.7            | 1906.0     | 1497.0     | 1479.0     |
| 13    | 3                | 14          | 85.8            | 1546.0     | 1015.0     | 1718.0     |
| 14    | 2                | 14          | 70.8            | 1001.0     | 1005.0     | -          |
| 15    | 1                | 14          | 57.0            | 1685.0     | -          | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 18

Chirp Center Frequency: 5499.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 94.3            | 1920.0     | 1954.0     | 1181.0     |
| 2     | 1                | 19          | 60.5            | 1922.0     | -          | -          |
| 3     | 1                | 19          | 66.2            | 1738.0     | -          | -          |
| 4     | 2                | 19          | 75.3            | 1595.0     | 1443.0     | -          |
| 5     | 3                | 19          | 88.8            | 1777.0     | 1789.0     | 1150.0     |
| 6     | 2                | 19          | 76.4            | 1343.0     | 1420.0     | -          |
| 7     | 2                | 19          | 73.9            | 1379.0     | 1982.0     | -          |
| 8     | 3                | 19          | 91.5            | 1175.0     | 1221.0     | 1569.0     |
| 9     | 3                | 19          | 84.0            | 1238.0     | 1694.0     | 1306.0     |
| 10    | 3                | 19          | 89.7            | 1179.0     | 1628.0     | 1791.0     |
| 11    | 2                | 19          | 77.3            | 1967.0     | 1795.0     | -          |
| 12    | 3                | 19          | 94.0            | 1696.0     | 1359.0     | 2000.0     |
| 13    | 3                | 19          | 99.2            | 1788.0     | 1596.0     | 1521.0     |
| 14    | 2                | 19          | 77.8            | 1086.0     | 1165.0     | -          |
| 15    | 3                | 19          | 93.7            | 1753.0     | 1780.0     | 1192.0     |
| 16    | 3                | 19          | 95.5            | 1188.0     | 1853.0     | 1425.0     |
| 17    | 1                | 19          | 60.5            | 1434.0     | -          | -          |
| 18    | 2                | 19          | 77.9            | 1808.0     | 1698.0     | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 18

Chirp Center Frequency: 5498.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 90.8            | 1878.0     | 1465.0     | 1873.0     |
| 2     | 3                | 17          | 86.4            | 1648.0     | 1415.0     | 1135.0     |
| 3     | 1                | 17          | 62.9            | 1318.0     | -          | -          |
| 4     | 2                | 17          | 78.7            | 1282.0     | 1263.0     | -          |
| 5     | 3                | 17          | 86.1            | 1273.0     | 1561.0     | 1501.0     |
| 6     | 1                | 17          | 51.8            | 1844.0     | -          | -          |
| 7     | 2                | 17          | 75.8            | 1442.0     | 1285.0     | -          |
| 8     | 3                | 17          | 93.2            | 1541.0     | 1160.0     | 1383.0     |
| 9     | 3                | 17          | 95.3            | 1448.0     | 1642.0     | 1290.0     |
| 10    | 3                | 17          | 95.3            | 1678.0     | 1589.0     | 1526.0     |
| 11    | 3                | 17          | 87.1            | 1317.0     | 1723.0     | 1293.0     |
| 12    | 2                | 17          | 74.8            | 1240.0     | 1178.0     | -          |
| 13    | 3                | 17          | 88.9            | 1806.0     | 1975.0     | 1935.0     |
| 14    | 2                | 17          | 77.0            | 1158.0     | 1932.0     | -          |
| 15    | 3                | 17          | 95.6            | 1191.0     | 1512.0     | 1874.0     |
| 16    | 3                | 17          | 85.6            | 1830.0     | 1737.0     | 1089.0     |
| 17    | 2                | 17          | 72.8            | 1398.0     | 1761.0     | -          |
| 18    | 1                | 17          | 56.6            | 1339.0     | -          | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 8

Chirp Center Frequency: 5566.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 5           | 58.1            | 1451.0     | -          | -          |
| 2     | 1                | 5           | 56.0            | 1771.0     | -          | -          |
| 3     | 2                | 5           | 78.6            | 1534.0     | 1372.0     | -          |
| 4     | 2                | 5           | 82.8            | 1511.0     | 1869.0     | -          |
| 5     | 2                | 5           | 81.1            | 1532.0     | 1266.0     | -          |
| 6     | 3                | 5           | 85.2            | 1758.0     | 1137.0     | 1663.0     |
| 7     | 1                | 5           | 59.6            | 1249.0     | -          | -          |
| 8     | 1                | 5           | 63.3            | 1613.0     | -          | -          |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 8

Chirp Center Frequency: 5566.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 5           | 92.2            | 1711.0     | 1066.0     | 1483.0     |
| 2     | 3                | 5           | 85.1            | 1120.0     | 1108.0     | 1400.0     |
| 3     | 3                | 5           | 92.7            | 1862.0     | 1155.0     | 1305.0     |
| 4     | 3                | 5           | 97.7            | 1980.0     | 1301.0     | 1446.0     |
| 5     | 2                | 5           | 70.9            | 1007.0     | 1095.0     | -          |
| 6     | 2                | 5           | 82.4            | 1787.0     | 1632.0     | -          |
| 7     | 1                | 5           | 65.8            | 1871.0     | -          | -          |
| 8     | 3                | 5           | 97.3            | 1324.0     | 1476.0     | 1872.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 14

Chirp Center Frequency: 5563.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 80.1            | 1452.0     | 1746.0     | -          |
| 2     | 2                | 13          | 70.6            | 1827.0     | 1474.0     | -          |
| 3     | 2                | 13          | 81.4            | 1325.0     | 1539.0     | -          |
| 4     | 2                | 13          | 81.8            | 1898.0     | 1900.0     | -          |
| 5     | 2                | 13          | 80.1            | 1248.0     | 1524.0     | -          |
| 6     | 2                | 13          | 73.4            | 1092.0     | 1255.0     | -          |
| 7     | 1                | 13          | 62.9            | 1579.0     | -          | -          |
| 8     | 2                | 13          | 83.2            | 1276.0     | 1351.0     | -          |
| 9     | 2                | 13          | 78.6            | 1575.0     | 1950.0     | -          |
| 10    | 3                | 13          | 96.2            | 1784.0     | 1494.0     | 1003.0     |
| 11    | 3                | 13          | 96.9            | 1610.0     | 1367.0     | 1274.0     |
| 12    | 1                | 13          | 64.9            | 1915.0     | -          | -          |
| 13    | 3                | 13          | 88.4            | 1503.0     | 1876.0     | 1087.0     |
| 14    | 2                | 13          | 66.9            | 1207.0     | 1315.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 10

Chirp Center Frequency: 5565.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 7           | 53.5            | 1670.0     | -          | -          |
| 2     | 3                | 7           | 92.2            | 1893.0     | 1908.0     | 1164.0     |
| 3     | 2                | 7           | 70.8            | 1193.0     | 1828.0     | -          |
| 4     | 3                | 7           | 88.8            | 1514.0     | 1634.0     | 1313.0     |
| 5     | 1                | 7           | 52.4            | 1229.0     | -          | -          |
| 6     | 2                | 7           | 71.9            | 1969.0     | 1038.0     | -          |
| 7     | 1                | 7           | 59.9            | 1952.0     | -          | -          |
| 8     | 1                | 7           | 57.9            | 1101.0     | -          | -          |
| 9     | 1                | 7           | 55.2            | 1022.0     | -          | -          |
| 10    | 2                | 7           | 77.7            | 1149.0     | 1006.0     | -          |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 15

Chirp Center Frequency: 5562.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 14          | 69.1            | 1525.0     | 1197.0     | -          |
| 2     | 2                | 14          | 72.7            | 1976.0     | 1838.0     | -          |
| 3     | 1                | 14          | 59.7            | 1849.0     | -          | -          |
| 4     | 3                | 14          | 90.8            | 1080.0     | 1913.0     | 1767.0     |
| 5     | 1                | 14          | 50.5            | 1972.0     | -          | -          |
| 6     | 3                | 14          | 97.7            | 1310.0     | 1867.0     | 1427.0     |
| 7     | 2                | 14          | 74.4            | 1910.0     | 1819.0     | -          |
| 8     | 1                | 14          | 54.6            | 1277.0     | -          | -          |
| 9     | 1                | 14          | 59.0            | 1481.0     | -          | -          |
| 10    | 3                | 14          | 91.6            | 1023.0     | 1024.0     | 1079.0     |
| 11    | 3                | 14          | 97.0            | 1410.0     | 1914.0     | 1480.0     |
| 12    | 2                | 14          | 75.0            | 1781.0     | 1886.0     | -          |
| 13    | 1                | 14          | 54.2            | 1505.0     | -          | -          |
| 14    | 3                | 14          | 91.1            | 1008.0     | 1363.0     | 1298.0     |
| 15    | 2                | 14          | 76.6            | 1567.0     | 1948.0     | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 12

Chirp Center Frequency: 5564.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 84.8            | 1556.0     | 1510.0     | 1182.0     |
| 2     | 3                | 10          | 93.1            | 1956.0     | 1458.0     | 1386.0     |
| 3     | 3                | 10          | 95.4            | 1388.0     | 1704.0     | 1826.0     |
| 4     | 1                | 10          | 54.2            | 1962.0     | -          | -          |
| 5     | 3                | 10          | 84.9            | 1812.0     | 1706.0     | 1362.0     |
| 6     | 3                | 10          | 88.3            | 1555.0     | 1031.0     | 1056.0     |
| 7     | 3                | 10          | 94.8            | 1852.0     | 1292.0     | 1652.0     |
| 8     | 2                | 10          | 74.9            | 1084.0     | 1752.0     | -          |
| 9     | 2                | 10          | 75.3            | 1210.0     | 1328.0     | -          |
| 10    | 2                | 10          | 81.5            | 1937.0     | 1349.0     | -          |
| 11    | 1                | 10          | 50.4            | 1649.0     | -          | -          |
| 12    | 2                | 10          | 76.8            | 1338.0     | 1270.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 16

Chirp Center Frequency: 5562.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 82.1            | 1076.0     | 1629.0     | -          |
| 2     | 2                | 15          | 80.0            | 1230.0     | 1257.0     | -          |
| 3     | 3                | 15          | 93.9            | 1994.0     | 1447.0     | 1690.0     |
| 4     | 3                | 15          | 87.4            | 1507.0     | 1645.0     | 1365.0     |
| 5     | 2                | 15          | 72.1            | 1768.0     | 1897.0     | -          |
| 6     | 1                | 15          | 65.3            | 1747.0     | -          | -          |
| 7     | 1                | 15          | 53.7            | 1540.0     | -          | -          |
| 8     | 1                | 15          | 62.7            | 1423.0     | -          | -          |
| 9     | 1                | 15          | 57.4            | 1829.0     | -          | -          |
| 10    | 1                | 15          | 63.7            | 1113.0     | -          | -          |
| 11    | 2                | 15          | 72.2            | 1604.0     | 1122.0     | -          |
| 12    | 2                | 15          | 82.7            | 1396.0     | 1860.0     | -          |
| 13    | 2                | 15          | 81.0            | 1047.0     | 1232.0     | -          |
| 14    | 2                | 15          | 71.8            | 1026.0     | 1785.0     | -          |
| 15    | 3                | 15          | 92.3            | 1358.0     | 1695.0     | 1605.0     |
| 16    | 1                | 15          | 55.9            | 1417.0     | -          | -          |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 11

Chirp Center Frequency: 5564.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 9           | 96.9            | 1709.0     | 1687.0     | 1743.0     |
| 2     | 2                | 9           | 69.9            | 1252.0     | 1414.0     | -          |
| 3     | 2                | 9           | 78.6            | 1647.0     | 1043.0     | -          |
| 4     | 3                | 9           | 88.0            | 1180.0     | 1884.0     | 1283.0     |
| 5     | 2                | 9           | 79.8            | 1656.0     | 1061.0     | -          |
| 6     | 1                | 9           | 62.2            | 1662.0     | -          | -          |
| 7     | 2                | 9           | 67.7            | 1224.0     | 1199.0     | -          |
| 8     | 2                | 9           | 78.9            | 1655.0     | 1250.0     | -          |
| 9     | 1                | 9           | 64.6            | 1214.0     | -          | -          |
| 10    | 1                | 9           | 53.7            | 1380.0     | -          | -          |
| 11    | 2                | 9           | 70.4            | 1401.0     | 1364.0     | -          |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 8

Chirp Center Frequency: 5566.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 5           | 89.4            | 1170.0     | 1109.0     | 1565.0     |
| 2     | 2                | 5           | 74.3            | 1243.0     | 1059.0     | -          |
| 3     | 3                | 5           | 97.8            | 1697.0     | 1946.0     | 1712.0     |
| 4     | 3                | 5           | 84.5            | 1800.0     | 1688.0     | 1245.0     |
| 5     | 1                | 5           | 59.2            | 1689.0     | -          | -          |
| 6     | 1                | 5           | 50.1            | 1477.0     | -          | -          |
| 7     | 2                | 5           | 70.8            | 1840.0     | 1942.0     | -          |
| 8     | 3                | 5           | 92.4            | 1174.0     | 1028.0     | 1094.0     |
| 9     |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 12

Chirp Center Frequency: 5564.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 10          | 74.6            | 1792.0     | 1593.0     | -          |
| 2     | 1                | 10          | 65.1            | 1117.0     | -          | -          |
| 3     | 1                | 10          | 54.2            | 1538.0     | -          | -          |
| 4     | 2                | 10          | 74.9            | 1716.0     | 1999.0     | -          |
| 5     | 1                | 10          | 59.6            | 1627.0     | -          | -          |
| 6     | 1                | 10          | 50.5            | 1337.0     | -          | -          |
| 7     | 2                | 10          | 78.3            | 1239.0     | 1562.0     | -          |
| 8     | 2                | 10          | 69.1            | 1903.0     | 1190.0     | -          |
| 9     | 2                | 10          | 71.0            | 1965.0     | 1717.0     | -          |
| 10    | 2                | 10          | 70.9            | 1226.0     | 1762.0     | -          |
| 11    | 1                | 10          | 62.7            | 1345.0     | -          | -          |
| 12    | 2                | 10          | 73.2            | 1770.0     | 1493.0     | -          |
| 13    |                  |             |                 |            |            |            |

| Type 6 Radar Statistical Performances |                  |                 |         |                         |
|---------------------------------------|------------------|-----------------|---------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection               |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                     |
|                                       |                  |                 |         | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |           |
|---------------------------------------|---------------------------------|-----------|
| Trial #                               | Hopping Frequency Sequence Name | Detection |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes       |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes       |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes       |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes       |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes       |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes       |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes       |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes       |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes       |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes       |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes       |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes       |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes       |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes       |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes       |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes       |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes       |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes       |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes       |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes       |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes       |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes       |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes       |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes       |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes       |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes       |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes       |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes       |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes       |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes       |
| Detection Rate: 100.0 %               |                                 |           |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.393G            | 2    | 5.555G            | 3    | 5.365G            | 4    | 5.531G            |
| 5                                                | 5.414G            | 6    | 5.467G            | 7    | 5.343G            | 8    | 5.349G            |
| 9                                                | 5.628G            | 10   | 5.546G            | 11   | 5.482G            | 12   | 5.640G            |
| 13                                               | 5.382G            | 14   | 5.581G            | 15   | 5.293G            | 16   | 5.381G            |
| 17                                               | 5.471G            | 18   | 5.525G            | 19   | 5.403G            | 20   | 5.637G            |
| 21                                               | 5.407G            | 22   | 5.326G            | 23   | 5.388G            | 24   | 5.544G            |
| 25                                               | 5.263G            | 26   | 5.255G            | 27   | 5.657G            | 28   | 5.511G            |
| 29                                               | 5.594G            | 30   | 5.705G            | 31   | 5.562G            | 32   | 5.579G            |
| 33                                               | 5.480G            | 34   | 5.366G            | 35   | 5.702G            | 36   | 5.370G            |
| 37                                               | 5.515G            | 38   | 5.535G            | 39   | 5.420G            | 40   | 5.457G            |
| 41                                               | 5.530G            | 42   | 5.258G            | 43   | 5.402G            | 44   | 5.659G            |
| 45                                               | 5.591G            | 46   | 5.436G            | 47   | 5.284G            | 48   | 5.621G            |
| 49                                               | 5.510G            | 50   | 5.340G            | 51   | 5.385G            | 52   | 5.548G            |
| 53                                               | 5.364G            | 54   | 5.526G            | 55   | 5.585G            | 56   | 5.529G            |
| 57                                               | 5.459G            | 58   | 5.309G            | 59   | 5.260G            | 60   | 5.636G            |
| 61                                               | 5.270G            | 62   | 5.613G            | 63   | 5.479G            | 64   | 5.684G            |
| 65                                               | 5.566G            | 66   | 5.512G            | 67   | 5.677G            | 68   | 5.587G            |
| 69                                               | 5.717G            | 70   | 5.477G            | 71   | 5.396G            | 72   | 5.339G            |
| 73                                               | 5.295G            | 74   | 5.406G            | 75   | 5.346G            | 76   | 5.341G            |
| 77                                               | 5.361G            | 78   | 5.466G            | 79   | 5.708G            | 80   | 5.401G            |
| 81                                               | 5.682G            | 82   | 5.665G            | 83   | 5.391G            | 84   | 5.715G            |
| 85                                               | 5.533G            | 86   | 5.528G            | 87   | 5.397G            | 88   | 5.670G            |
| 89                                               | 5.676G            | 90   | 5.266G            | 91   | 5.410G            | 92   | 5.567G            |
| 93                                               | 5.416G            | 94   | 5.575G            | 95   | 5.597G            | 96   | 5.322G            |
| 97                                               | 5.606G            | 98   | 5.622G            | 99   | 5.320G            | 100  | 5.712G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.324G            | 2    | 5.503G            | 3    | 5.289G            | 4    | 5.384G            |
| 5                                                | 5.611G            | 6    | 5.637G            | 7    | 5.387G            | 8    | 5.604G            |
| 9                                                | 5.575G            | 10   | 5.582G            | 11   | 5.440G            | 12   | 5.595G            |
| 13                                               | 5.723G            | 14   | 5.528G            | 15   | 5.427G            | 16   | 5.623G            |
| 17                                               | 5.633G            | 18   | 5.424G            | 19   | 5.502G            | 20   | 5.661G            |
| 21                                               | 5.443G            | 22   | 5.328G            | 23   | 5.356G            | 24   | 5.366G            |
| 25                                               | 5.685G            | 26   | 5.473G            | 27   | 5.597G            | 28   | 5.455G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.278G | 30 | 5.446G | 31 | 5.696G | 32  | 5.319G |
| 33 | 5.509G | 34 | 5.682G | 35 | 5.271G | 36  | 5.252G |
| 37 | 5.543G | 38 | 5.705G | 39 | 5.371G | 40  | 5.415G |
| 41 | 5.320G | 42 | 5.437G | 43 | 5.351G | 44  | 5.710G |
| 45 | 5.416G | 46 | 5.274G | 47 | 5.607G | 48  | 5.265G |
| 49 | 5.469G | 50 | 5.615G | 51 | 5.404G | 52  | 5.635G |
| 53 | 5.669G | 54 | 5.426G | 55 | 5.435G | 56  | 5.527G |
| 57 | 5.513G | 58 | 5.402G | 59 | 5.323G | 60  | 5.365G |
| 61 | 5.681G | 62 | 5.441G | 63 | 5.521G | 64  | 5.545G |
| 65 | 5.386G | 66 | 5.634G | 67 | 5.672G | 68  | 5.507G |
| 69 | 5.456G | 70 | 5.287G | 71 | 5.472G | 72  | 5.307G |
| 73 | 5.266G | 74 | 5.273G | 75 | 5.420G | 76  | 5.548G |
| 77 | 5.646G | 78 | 5.684G | 79 | 5.510G | 80  | 5.538G |
| 81 | 5.335G | 82 | 5.395G | 83 | 5.300G | 84  | 5.698G |
| 85 | 5.651G | 86 | 5.617G | 87 | 5.569G | 88  | 5.355G |
| 89 | 5.656G | 90 | 5.374G | 91 | 5.467G | 92  | 5.491G |
| 93 | 5.425G | 94 | 5.554G | 95 | 5.368G | 96  | 5.631G |
| 97 | 5.482G | 98 | 5.361G | 99 | 5.674G | 100 | 5.390G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.477G            | 2    | 5.584G            | 3    | 5.301G            | 4    | 5.387G            |
| 5                                                | 5.699G            | 6    | 5.610G            | 7    | 5.436G            | 8    | 5.701G            |
| 9                                                | 5.680G            | 10   | 5.618G            | 11   | 5.336G            | 12   | 5.445G            |
| 13                                               | 5.263G            | 14   | 5.712G            | 15   | 5.431G            | 16   | 5.578G            |
| 17                                               | 5.668G            | 18   | 5.303G            | 19   | 5.550G            | 20   | 5.539G            |
| 21                                               | 5.451G            | 22   | 5.505G            | 23   | 5.506G            | 24   | 5.693G            |
| 25                                               | 5.313G            | 26   | 5.535G            | 27   | 5.564G            | 28   | 5.476G            |
| 29                                               | 5.398G            | 30   | 5.328G            | 31   | 5.651G            | 32   | 5.339G            |
| 33                                               | 5.261G            | 34   | 5.305G            | 35   | 5.528G            | 36   | 5.290G            |
| 37                                               | 5.273G            | 38   | 5.619G            | 39   | 5.304G            | 40   | 5.466G            |
| 41                                               | 5.609G            | 42   | 5.596G            | 43   | 5.363G            | 44   | 5.705G            |
| 45                                               | 5.280G            | 46   | 5.400G            | 47   | 5.511G            | 48   | 5.714G            |
| 49                                               | 5.418G            | 50   | 5.684G            | 51   | 5.592G            | 52   | 5.595G            |
| 53                                               | 5.504G            | 54   | 5.636G            | 55   | 5.566G            | 56   | 5.268G            |
| 57                                               | 5.456G            | 58   | 5.532G            | 59   | 5.334G            | 60   | 5.358G            |
| 61                                               | 5.341G            | 62   | 5.513G            | 63   | 5.650G            | 64   | 5.364G            |
| 65                                               | 5.670G            | 66   | 5.710G            | 67   | 5.299G            | 68   | 5.297G            |
| 69                                               | 5.368G            | 70   | 5.633G            | 71   | 5.275G            | 72   | 5.420G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.488G | 74 | 5.423G | 75 | 5.321G | 76  | 5.585G |
| 77 | 5.483G | 78 | 5.457G | 79 | 5.703G | 80  | 5.497G |
| 81 | 5.485G | 82 | 5.346G | 83 | 5.521G | 84  | 5.464G |
| 85 | 5.391G | 86 | 5.531G | 87 | 5.446G | 88  | 5.473G |
| 89 | 5.682G | 90 | 5.281G | 91 | 5.270G | 92  | 5.658G |
| 93 | 5.367G | 94 | 5.405G | 95 | 5.276G | 96  | 5.673G |
| 97 | 5.277G | 98 | 5.333G | 99 | 5.459G | 100 | 5.601G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.637G            | 2    | 5.325G            | 3    | 5.468G            | 4    | 5.598G            |
| 5                                                | 5.326G            | 6    | 5.632G            | 7    | 5.437G            | 8    | 5.676G            |
| 9                                                | 5.261G            | 10   | 5.456G            | 11   | 5.296G            | 12   | 5.276G            |
| 13                                               | 5.715G            | 14   | 5.695G            | 15   | 5.518G            | 16   | 5.298G            |
| 17                                               | 5.687G            | 18   | 5.673G            | 19   | 5.525G            | 20   | 5.609G            |
| 21                                               | 5.709G            | 22   | 5.493G            | 23   | 5.349G            | 24   | 5.506G            |
| 25                                               | 5.426G            | 26   | 5.663G            | 27   | 5.427G            | 28   | 5.625G            |
| 29                                               | 5.513G            | 30   | 5.404G            | 31   | 5.385G            | 32   | 5.323G            |
| 33                                               | 5.373G            | 34   | 5.569G            | 35   | 5.407G            | 36   | 5.594G            |
| 37                                               | 5.260G            | 38   | 5.576G            | 39   | 5.622G            | 40   | 5.716G            |
| 41                                               | 5.662G            | 42   | 5.318G            | 43   | 5.606G            | 44   | 5.702G            |
| 45                                               | 5.552G            | 46   | 5.655G            | 47   | 5.713G            | 48   | 5.512G            |
| 49                                               | 5.279G            | 50   | 5.372G            | 51   | 5.666G            | 52   | 5.494G            |
| 53                                               | 5.718G            | 54   | 5.264G            | 55   | 5.559G            | 56   | 5.689G            |
| 57                                               | 5.497G            | 58   | 5.671G            | 59   | 5.314G            | 60   | 5.429G            |
| 61                                               | 5.399G            | 62   | 5.450G            | 63   | 5.346G            | 64   | 5.299G            |
| 65                                               | 5.333G            | 66   | 5.618G            | 67   | 5.390G            | 68   | 5.696G            |
| 69                                               | 5.475G            | 70   | 5.319G            | 71   | 5.420G            | 72   | 5.320G            |
| 73                                               | 5.523G            | 74   | 5.251G            | 75   | 5.685G            | 76   | 5.527G            |
| 77                                               | 5.596G            | 78   | 5.539G            | 79   | 5.677G            | 80   | 5.341G            |
| 81                                               | 5.563G            | 82   | 5.280G            | 83   | 5.607G            | 84   | 5.587G            |
| 85                                               | 5.459G            | 86   | 5.288G            | 87   | 5.316G            | 88   | 5.548G            |
| 89                                               | 5.644G            | 90   | 5.507G            | 91   | 5.541G            | 92   | 5.545G            |
| 93                                               | 5.445G            | 94   | 5.700G            | 95   | 5.568G            | 96   | 5.363G            |
| 97                                               | 5.482G            | 98   | 5.499G            | 99   | 5.267G            | 100  | 5.650G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.662G            | 2    | 5.508G            | 3    | 5.705G            | 4    | 5.479G            |
| 5                                                | 5.510G            | 6    | 5.568G            | 7    | 5.319G            | 8    | 5.554G            |
| 9                                                | 5.553G            | 10   | 5.337G            | 11   | 5.259G            | 12   | 5.299G            |
| 13                                               | 5.717G            | 14   | 5.443G            | 15   | 5.306G            | 16   | 5.493G            |
| 17                                               | 5.432G            | 18   | 5.530G            | 19   | 5.261G            | 20   | 5.716G            |
| 21                                               | 5.304G            | 22   | 5.615G            | 23   | 5.640G            | 24   | 5.536G            |
| 25                                               | 5.483G            | 26   | 5.655G            | 27   | 5.349G            | 28   | 5.278G            |
| 29                                               | 5.638G            | 30   | 5.253G            | 31   | 5.362G            | 32   | 5.320G            |
| 33                                               | 5.618G            | 34   | 5.377G            | 35   | 5.700G            | 36   | 5.613G            |
| 37                                               | 5.675G            | 38   | 5.577G            | 39   | 5.497G            | 40   | 5.369G            |
| 41                                               | 5.564G            | 42   | 5.252G            | 43   | 5.307G            | 44   | 5.609G            |
| 45                                               | 5.719G            | 46   | 5.255G            | 47   | 5.632G            | 48   | 5.566G            |
| 49                                               | 5.602G            | 50   | 5.578G            | 51   | 5.383G            | 52   | 5.572G            |
| 53                                               | 5.265G            | 54   | 5.310G            | 55   | 5.706G            | 56   | 5.340G            |
| 57                                               | 5.557G            | 58   | 5.309G            | 59   | 5.539G            | 60   | 5.317G            |
| 61                                               | 5.714G            | 62   | 5.296G            | 63   | 5.523G            | 64   | 5.399G            |
| 65                                               | 5.556G            | 66   | 5.403G            | 67   | 5.541G            | 68   | 5.324G            |
| 69                                               | 5.250G            | 70   | 5.266G            | 71   | 5.680G            | 72   | 5.560G            |
| 73                                               | 5.585G            | 74   | 5.581G            | 75   | 5.427G            | 76   | 5.308G            |
| 77                                               | 5.401G            | 78   | 5.358G            | 79   | 5.611G            | 80   | 5.656G            |
| 81                                               | 5.436G            | 82   | 5.448G            | 83   | 5.393G            | 84   | 5.573G            |
| 85                                               | 5.646G            | 86   | 5.318G            | 87   | 5.625G            | 88   | 5.600G            |
| 89                                               | 5.351G            | 90   | 5.538G            | 91   | 5.599G            | 92   | 5.626G            |
| 93                                               | 5.688G            | 94   | 5.516G            | 95   | 5.402G            | 96   | 5.381G            |
| 97                                               | 5.545G            | 98   | 5.328G            | 99   | 5.420G            | 100  | 5.654G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.449G            | 2    | 5.261G            | 3    | 5.578G            | 4    | 5.680G            |
| 5                                                | 5.699G            | 6    | 5.572G            | 7    | 5.693G            | 8    | 5.619G            |
| 9                                                | 5.601G            | 10   | 5.598G            | 11   | 5.430G            | 12   | 5.540G            |
| 13                                               | 5.316G            | 14   | 5.497G            | 15   | 5.678G            | 16   | 5.353G            |
| 17                                               | 5.640G            | 18   | 5.655G            | 19   | 5.274G            | 20   | 5.347G            |
| 21                                               | 5.509G            | 22   | 5.330G            | 23   | 5.419G            | 24   | 5.462G            |
| 25                                               | 5.405G            | 26   | 5.475G            | 27   | 5.716G            | 28   | 5.673G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.551G | 30 | 5.672G | 31 | 5.413G | 32  | 5.599G |
| 33 | 5.366G | 34 | 5.595G | 35 | 5.414G | 36  | 5.660G |
| 37 | 5.416G | 38 | 5.576G | 39 | 5.402G | 40  | 5.460G |
| 41 | 5.398G | 42 | 5.643G | 43 | 5.715G | 44  | 5.550G |
| 45 | 5.517G | 46 | 5.380G | 47 | 5.483G | 48  | 5.372G |
| 49 | 5.318G | 50 | 5.401G | 51 | 5.670G | 52  | 5.270G |
| 53 | 5.637G | 54 | 5.700G | 55 | 5.420G | 56  | 5.711G |
| 57 | 5.627G | 58 | 5.307G | 59 | 5.527G | 60  | 5.295G |
| 61 | 5.638G | 62 | 5.258G | 63 | 5.529G | 64  | 5.698G |
| 65 | 5.659G | 66 | 5.662G | 67 | 5.343G | 68  | 5.722G |
| 69 | 5.546G | 70 | 5.618G | 71 | 5.518G | 72  | 5.324G |
| 73 | 5.596G | 74 | 5.639G | 75 | 5.471G | 76  | 5.440G |
| 77 | 5.652G | 78 | 5.387G | 79 | 5.364G | 80  | 5.254G |
| 81 | 5.724G | 82 | 5.663G | 83 | 5.681G | 84  | 5.260G |
| 85 | 5.352G | 86 | 5.713G | 87 | 5.442G | 88  | 5.501G |
| 89 | 5.377G | 90 | 5.368G | 91 | 5.493G | 92  | 5.624G |
| 93 | 5.444G | 94 | 5.425G | 95 | 5.469G | 96  | 5.649G |
| 97 | 5.351G | 98 | 5.415G | 99 | 5.492G | 100 | 5.675G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.448G            | 2    | 5.436G            | 3    | 5.572G            | 4    | 5.263G            |
| 5                                                | 5.508G            | 6    | 5.462G            | 7    | 5.303G            | 8    | 5.392G            |
| 9                                                | 5.640G            | 10   | 5.425G            | 11   | 5.382G            | 12   | 5.697G            |
| 13                                               | 5.638G            | 14   | 5.317G            | 15   | 5.285G            | 16   | 5.370G            |
| 17                                               | 5.353G            | 18   | 5.460G            | 19   | 5.672G            | 20   | 5.686G            |
| 21                                               | 5.564G            | 22   | 5.555G            | 23   | 5.453G            | 24   | 5.266G            |
| 25                                               | 5.258G            | 26   | 5.443G            | 27   | 5.651G            | 28   | 5.702G            |
| 29                                               | 5.325G            | 30   | 5.360G            | 31   | 5.264G            | 32   | 5.692G            |
| 33                                               | 5.371G            | 34   | 5.433G            | 35   | 5.505G            | 36   | 5.414G            |
| 37                                               | 5.608G            | 38   | 5.568G            | 39   | 5.710G            | 40   | 5.459G            |
| 41                                               | 5.279G            | 42   | 5.315G            | 43   | 5.272G            | 44   | 5.410G            |
| 45                                               | 5.637G            | 46   | 5.261G            | 47   | 5.625G            | 48   | 5.714G            |
| 49                                               | 5.461G            | 50   | 5.585G            | 51   | 5.259G            | 52   | 5.471G            |
| 53                                               | 5.687G            | 54   | 5.379G            | 55   | 5.355G            | 56   | 5.282G            |
| 57                                               | 5.539G            | 58   | 5.416G            | 59   | 5.499G            | 60   | 5.395G            |
| 61                                               | 5.664G            | 62   | 5.605G            | 63   | 5.326G            | 64   | 5.506G            |
| 65                                               | 5.549G            | 66   | 5.319G            | 67   | 5.480G            | 68   | 5.404G            |
| 69                                               | 5.536G            | 70   | 5.556G            | 71   | 5.526G            | 72   | 5.680G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.401G | 74 | 5.454G | 75 | 5.331G | 76  | 5.610G |
| 77 | 5.498G | 78 | 5.583G | 79 | 5.348G | 80  | 5.271G |
| 81 | 5.309G | 82 | 5.635G | 83 | 5.493G | 84  | 5.466G |
| 85 | 5.601G | 86 | 5.606G | 87 | 5.349G | 88  | 5.304G |
| 89 | 5.354G | 90 | 5.587G | 91 | 5.704G | 92  | 5.618G |
| 93 | 5.675G | 94 | 5.305G | 95 | 5.481G | 96  | 5.336G |
| 97 | 5.278G | 98 | 5.703G | 99 | 5.442G | 100 | 5.723G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.308G            | 2    | 5.283G            | 3    | 5.468G            | 4    | 5.266G            |
| 5                                                | 5.507G            | 6    | 5.495G            | 7    | 5.365G            | 8    | 5.604G            |
| 9                                                | 5.285G            | 10   | 5.508G            | 11   | 5.318G            | 12   | 5.471G            |
| 13                                               | 5.592G            | 14   | 5.280G            | 15   | 5.629G            | 16   | 5.703G            |
| 17                                               | 5.351G            | 18   | 5.641G            | 19   | 5.591G            | 20   | 5.663G            |
| 21                                               | 5.610G            | 22   | 5.373G            | 23   | 5.678G            | 24   | 5.532G            |
| 25                                               | 5.274G            | 26   | 5.544G            | 27   | 5.358G            | 28   | 5.594G            |
| 29                                               | 5.676G            | 30   | 5.413G            | 31   | 5.695G            | 32   | 5.584G            |
| 33                                               | 5.257G            | 34   | 5.500G            | 35   | 5.288G            | 36   | 5.305G            |
| 37                                               | 5.459G            | 38   | 5.630G            | 39   | 5.622G            | 40   | 5.359G            |
| 41                                               | 5.621G            | 42   | 5.448G            | 43   | 5.470G            | 44   | 5.295G            |
| 45                                               | 5.480G            | 46   | 5.706G            | 47   | 5.397G            | 48   | 5.719G            |
| 49                                               | 5.431G            | 50   | 5.253G            | 51   | 5.411G            | 52   | 5.255G            |
| 53                                               | 5.590G            | 54   | 5.296G            | 55   | 5.575G            | 56   | 5.595G            |
| 57                                               | 5.686G            | 58   | 5.314G            | 59   | 5.424G            | 60   | 5.492G            |
| 61                                               | 5.338G            | 62   | 5.510G            | 63   | 5.620G            | 64   | 5.588G            |
| 65                                               | 5.264G            | 66   | 5.633G            | 67   | 5.444G            | 68   | 5.712G            |
| 69                                               | 5.315G            | 70   | 5.432G            | 71   | 5.600G            | 72   | 5.301G            |
| 73                                               | 5.702G            | 74   | 5.556G            | 75   | 5.525G            | 76   | 5.477G            |
| 77                                               | 5.412G            | 78   | 5.407G            | 79   | 5.668G            | 80   | 5.309G            |
| 81                                               | 5.398G            | 82   | 5.422G            | 83   | 5.404G            | 84   | 5.557G            |
| 85                                               | 5.392G            | 86   | 5.615G            | 87   | 5.534G            | 88   | 5.469G            |
| 89                                               | 5.409G            | 90   | 5.360G            | 91   | 5.713G            | 92   | 5.474G            |
| 93                                               | 5.423G            | 94   | 5.649G            | 95   | 5.504G            | 96   | 5.585G            |
| 97                                               | 5.560G            | 98   | 5.278G            | 99   | 5.325G            | 100  | 5.709G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.628G            | 2    | 5.481G            | 3    | 5.583G            | 4    | 5.647G            |
| 5                                                | 5.516G            | 6    | 5.369G            | 7    | 5.312G            | 8    | 5.507G            |
| 9                                                | 5.580G            | 10   | 5.509G            | 11   | 5.702G            | 12   | 5.530G            |
| 13                                               | 5.423G            | 14   | 5.377G            | 15   | 5.285G            | 16   | 5.543G            |
| 17                                               | 5.602G            | 18   | 5.420G            | 19   | 5.595G            | 20   | 5.589G            |
| 21                                               | 5.591G            | 22   | 5.319G            | 23   | 5.430G            | 24   | 5.464G            |
| 25                                               | 5.600G            | 26   | 5.522G            | 27   | 5.472G            | 28   | 5.344G            |
| 29                                               | 5.553G            | 30   | 5.450G            | 31   | 5.634G            | 32   | 5.700G            |
| 33                                               | 5.511G            | 34   | 5.719G            | 35   | 5.635G            | 36   | 5.457G            |
| 37                                               | 5.680G            | 38   | 5.331G            | 39   | 5.360G            | 40   | 5.587G            |
| 41                                               | 5.462G            | 42   | 5.281G            | 43   | 5.411G            | 44   | 5.564G            |
| 45                                               | 5.480G            | 46   | 5.712G            | 47   | 5.631G            | 48   | 5.534G            |
| 49                                               | 5.609G            | 50   | 5.399G            | 51   | 5.330G            | 52   | 5.620G            |
| 53                                               | 5.623G            | 54   | 5.313G            | 55   | 5.389G            | 56   | 5.437G            |
| 57                                               | 5.271G            | 58   | 5.471G            | 59   | 5.488G            | 60   | 5.639G            |
| 61                                               | 5.718G            | 62   | 5.339G            | 63   | 5.451G            | 64   | 5.407G            |
| 65                                               | 5.556G            | 66   | 5.370G            | 67   | 5.657G            | 68   | 5.277G            |
| 69                                               | 5.710G            | 70   | 5.352G            | 71   | 5.317G            | 72   | 5.425G            |
| 73                                               | 5.287G            | 74   | 5.468G            | 75   | 5.267G            | 76   | 5.409G            |
| 77                                               | 5.696G            | 78   | 5.554G            | 79   | 5.253G            | 80   | 5.671G            |
| 81                                               | 5.365G            | 82   | 5.263G            | 83   | 5.574G            | 84   | 5.624G            |
| 85                                               | 5.309G            | 86   | 5.491G            | 87   | 5.284G            | 88   | 5.563G            |
| 89                                               | 5.678G            | 90   | 5.477G            | 91   | 5.643G            | 92   | 5.492G            |
| 93                                               | 5.345G            | 94   | 5.519G            | 95   | 5.685G            | 96   | 5.637G            |
| 97                                               | 5.592G            | 98   | 5.367G            | 99   | 5.715G            | 100  | 5.638G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.651G            | 2    | 5.542G            | 3    | 5.607G            | 4    | 5.713G            |
| 5                                                | 5.487G            | 6    | 5.560G            | 7    | 5.634G            | 8    | 5.509G            |
| 9                                                | 5.563G            | 10   | 5.510G            | 11   | 5.482G            | 12   | 5.536G            |
| 13                                               | 5.677G            | 14   | 5.433G            | 15   | 5.519G            | 16   | 5.432G            |
| 17                                               | 5.637G            | 18   | 5.497G            | 19   | 5.685G            | 20   | 5.575G            |
| 21                                               | 5.686G            | 22   | 5.632G            | 23   | 5.466G            | 24   | 5.594G            |
| 25                                               | 5.620G            | 26   | 5.624G            | 27   | 5.349G            | 28   | 5.401G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.381G | 30 | 5.559G | 31 | 5.373G | 32  | 5.454G |
| 33 | 5.355G | 34 | 5.275G | 35 | 5.448G | 36  | 5.389G |
| 37 | 5.710G | 38 | 5.321G | 39 | 5.602G | 40  | 5.576G |
| 41 | 5.270G | 42 | 5.262G | 43 | 5.699G | 44  | 5.581G |
| 45 | 5.273G | 46 | 5.453G | 47 | 5.494G | 48  | 5.449G |
| 49 | 5.511G | 50 | 5.475G | 51 | 5.610G | 52  | 5.527G |
| 53 | 5.328G | 54 | 5.645G | 55 | 5.720G | 56  | 5.425G |
| 57 | 5.647G | 58 | 5.261G | 59 | 5.656G | 60  | 5.398G |
| 61 | 5.438G | 62 | 5.721G | 63 | 5.665G | 64  | 5.455G |
| 65 | 5.378G | 66 | 5.589G | 67 | 5.606G | 68  | 5.317G |
| 69 | 5.388G | 70 | 5.353G | 71 | 5.456G | 72  | 5.630G |
| 73 | 5.605G | 74 | 5.698G | 75 | 5.711G | 76  | 5.679G |
| 77 | 5.302G | 78 | 5.385G | 79 | 5.314G | 80  | 5.675G |
| 81 | 5.580G | 82 | 5.520G | 83 | 5.538G | 84  | 5.535G |
| 85 | 5.366G | 86 | 5.613G | 87 | 5.431G | 88  | 5.676G |
| 89 | 5.338G | 90 | 5.659G | 91 | 5.681G | 92  | 5.709G |
| 93 | 5.274G | 94 | 5.693G | 95 | 5.579G | 96  | 5.319G |
| 97 | 5.316G | 98 | 5.444G | 99 | 5.329G | 100 | 5.558G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.520G            | 2    | 5.604G            | 3    | 5.602G            | 4    | 5.295G            |
| 5                                                | 5.567G            | 6    | 5.425G            | 7    | 5.498G            | 8    | 5.328G            |
| 9                                                | 5.712G            | 10   | 5.486G            | 11   | 5.369G            | 12   | 5.333G            |
| 13                                               | 5.481G            | 14   | 5.477G            | 15   | 5.284G            | 16   | 5.331G            |
| 17                                               | 5.268G            | 18   | 5.610G            | 19   | 5.434G            | 20   | 5.263G            |
| 21                                               | 5.580G            | 22   | 5.630G            | 23   | 5.616G            | 24   | 5.708G            |
| 25                                               | 5.464G            | 26   | 5.553G            | 27   | 5.535G            | 28   | 5.555G            |
| 29                                               | 5.643G            | 30   | 5.335G            | 31   | 5.398G            | 32   | 5.334G            |
| 33                                               | 5.468G            | 34   | 5.283G            | 35   | 5.606G            | 36   | 5.605G            |
| 37                                               | 5.669G            | 38   | 5.287G            | 39   | 5.341G            | 40   | 5.305G            |
| 41                                               | 5.674G            | 42   | 5.677G            | 43   | 5.299G            | 44   | 5.312G            |
| 45                                               | 5.680G            | 46   | 5.347G            | 47   | 5.594G            | 48   | 5.649G            |
| 49                                               | 5.497G            | 50   | 5.442G            | 51   | 5.479G            | 52   | 5.429G            |
| 53                                               | 5.597G            | 54   | 5.304G            | 55   | 5.291G            | 56   | 5.373G            |
| 57                                               | 5.321G            | 58   | 5.370G            | 59   | 5.463G            | 60   | 5.572G            |
| 61                                               | 5.350G            | 62   | 5.713G            | 63   | 5.539G            | 64   | 5.663G            |
| 65                                               | 5.635G            | 66   | 5.661G            | 67   | 5.702G            | 68   | 5.664G            |
| 69                                               | 5.430G            | 70   | 5.359G            | 71   | 5.285G            | 72   | 5.621G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.316G | 74 | 5.377G | 75 | 5.358G | 76  | 5.456G |
| 77 | 5.656G | 78 | 5.542G | 79 | 5.710G | 80  | 5.293G |
| 81 | 5.416G | 82 | 5.394G | 83 | 5.551G | 84  | 5.294G |
| 85 | 5.566G | 86 | 5.450G | 87 | 5.279G | 88  | 5.381G |
| 89 | 5.485G | 90 | 5.255G | 91 | 5.611G | 92  | 5.447G |
| 93 | 5.432G | 94 | 5.271G | 95 | 5.403G | 96  | 5.476G |
| 97 | 5.537G | 98 | 5.276G | 99 | 5.688G | 100 | 5.665G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.384G            | 2    | 5.529G            | 3    | 5.452G            | 4    | 5.458G            |
| 5                                                | 5.480G            | 6    | 5.664G            | 7    | 5.275G            | 8    | 5.400G            |
| 9                                                | 5.290G            | 10   | 5.494G            | 11   | 5.440G            | 12   | 5.324G            |
| 13                                               | 5.277G            | 14   | 5.558G            | 15   | 5.315G            | 16   | 5.438G            |
| 17                                               | 5.381G            | 18   | 5.411G            | 19   | 5.622G            | 20   | 5.602G            |
| 21                                               | 5.302G            | 22   | 5.596G            | 23   | 5.641G            | 24   | 5.327G            |
| 25                                               | 5.391G            | 26   | 5.471G            | 27   | 5.361G            | 28   | 5.716G            |
| 29                                               | 5.303G            | 30   | 5.453G            | 31   | 5.306G            | 32   | 5.338G            |
| 33                                               | 5.636G            | 34   | 5.513G            | 35   | 5.643G            | 36   | 5.294G            |
| 37                                               | 5.589G            | 38   | 5.659G            | 39   | 5.485G            | 40   | 5.593G            |
| 41                                               | 5.539G            | 42   | 5.487G            | 43   | 5.319G            | 44   | 5.661G            |
| 45                                               | 5.584G            | 46   | 5.371G            | 47   | 5.419G            | 48   | 5.316G            |
| 49                                               | 5.491G            | 50   | 5.445G            | 51   | 5.645G            | 52   | 5.251G            |
| 53                                               | 5.279G            | 54   | 5.597G            | 55   | 5.618G            | 56   | 5.341G            |
| 57                                               | 5.328G            | 58   | 5.336G            | 59   | 5.686G            | 60   | 5.546G            |
| 61                                               | 5.652G            | 62   | 5.289G            | 63   | 5.669G            | 64   | 5.500G            |
| 65                                               | 5.269G            | 66   | 5.299G            | 67   | 5.581G            | 68   | 5.441G            |
| 69                                               | 5.454G            | 70   | 5.396G            | 71   | 5.543G            | 72   | 5.695G            |
| 73                                               | 5.350G            | 74   | 5.477G            | 75   | 5.395G            | 76   | 5.538G            |
| 77                                               | 5.631G            | 78   | 5.700G            | 79   | 5.547G            | 80   | 5.357G            |
| 81                                               | 5.647G            | 82   | 5.387G            | 83   | 5.675G            | 84   | 5.376G            |
| 85                                               | 5.495G            | 86   | 5.293G            | 87   | 5.369G            | 88   | 5.427G            |
| 89                                               | 5.474G            | 90   | 5.259G            | 91   | 5.696G            | 92   | 5.380G            |
| 93                                               | 5.577G            | 94   | 5.372G            | 95   | 5.330G            | 96   | 5.505G            |
| 97                                               | 5.291G            | 98   | 5.478G            | 99   | 5.642G            | 100  | 5.576G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.698G            | 2    | 5.478G            | 3    | 5.598G            | 4    | 5.380G            |
| 5                                                | 5.302G            | 6    | 5.678G            | 7    | 5.496G            | 8    | 5.664G            |
| 9                                                | 5.351G            | 10   | 5.278G            | 11   | 5.482G            | 12   | 5.626G            |
| 13                                               | 5.627G            | 14   | 5.466G            | 15   | 5.717G            | 16   | 5.684G            |
| 17                                               | 5.414G            | 18   | 5.303G            | 19   | 5.643G            | 20   | 5.498G            |
| 21                                               | 5.384G            | 22   | 5.283G            | 23   | 5.307G            | 24   | 5.590G            |
| 25                                               | 5.421G            | 26   | 5.488G            | 27   | 5.454G            | 28   | 5.712G            |
| 29                                               | 5.607G            | 30   | 5.495G            | 31   | 5.395G            | 32   | 5.425G            |
| 33                                               | 5.600G            | 34   | 5.422G            | 35   | 5.721G            | 36   | 5.551G            |
| 37                                               | 5.387G            | 38   | 5.538G            | 39   | 5.603G            | 40   | 5.338G            |
| 41                                               | 5.706G            | 42   | 5.400G            | 43   | 5.624G            | 44   | 5.442G            |
| 45                                               | 5.693G            | 46   | 5.435G            | 47   | 5.559G            | 48   | 5.267G            |
| 49                                               | 5.491G            | 50   | 5.416G            | 51   | 5.720G            | 52   | 5.574G            |
| 53                                               | 5.708G            | 54   | 5.587G            | 55   | 5.656G            | 56   | 5.348G            |
| 57                                               | 5.558G            | 58   | 5.529G            | 59   | 5.695G            | 60   | 5.500G            |
| 61                                               | 5.285G            | 62   | 5.271G            | 63   | 5.374G            | 64   | 5.575G            |
| 65                                               | 5.683G            | 66   | 5.629G            | 67   | 5.415G            | 68   | 5.615G            |
| 69                                               | 5.612G            | 70   | 5.502G            | 71   | 5.701G            | 72   | 5.670G            |
| 73                                               | 5.381G            | 74   | 5.652G            | 75   | 5.611G            | 76   | 5.632G            |
| 77                                               | 5.679G            | 78   | 5.459G            | 79   | 5.263G            | 80   | 5.682G            |
| 81                                               | 5.424G            | 82   | 5.550G            | 83   | 5.517G            | 84   | 5.323G            |
| 85                                               | 5.579G            | 86   | 5.620G            | 87   | 5.318G            | 88   | 5.592G            |
| 89                                               | 5.480G            | 90   | 5.507G            | 91   | 5.335G            | 92   | 5.503G            |
| 93                                               | 5.360G            | 94   | 5.357G            | 95   | 5.658G            | 96   | 5.660G            |
| 97                                               | 5.311G            | 98   | 5.286G            | 99   | 5.567G            | 100  | 5.260G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.694G            | 2    | 5.279G            | 3    | 5.273G            | 4    | 5.264G            |
| 5                                                | 5.696G            | 6    | 5.394G            | 7    | 5.640G            | 8    | 5.577G            |
| 9                                                | 5.476G            | 10   | 5.634G            | 11   | 5.629G            | 12   | 5.617G            |
| 13                                               | 5.482G            | 14   | 5.605G            | 15   | 5.374G            | 16   | 5.688G            |
| 17                                               | 5.453G            | 18   | 5.559G            | 19   | 5.498G            | 20   | 5.503G            |
| 21                                               | 5.675G            | 22   | 5.283G            | 23   | 5.347G            | 24   | 5.313G            |
| 25                                               | 5.315G            | 26   | 5.697G            | 27   | 5.396G            | 28   | 5.328G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.349G | 30 | 5.468G | 31 | 5.690G | 32  | 5.595G |
| 33 | 5.333G | 34 | 5.422G | 35 | 5.455G | 36  | 5.702G |
| 37 | 5.644G | 38 | 5.671G | 39 | 5.484G | 40  | 5.686G |
| 41 | 5.632G | 42 | 5.719G | 43 | 5.311G | 44  | 5.253G |
| 45 | 5.458G | 46 | 5.462G | 47 | 5.316G | 48  | 5.590G |
| 49 | 5.323G | 50 | 5.539G | 51 | 5.256G | 52  | 5.423G |
| 53 | 5.467G | 54 | 5.584G | 55 | 5.309G | 56  | 5.428G |
| 57 | 5.359G | 58 | 5.586G | 59 | 5.358G | 60  | 5.680G |
| 61 | 5.436G | 62 | 5.611G | 63 | 5.668G | 64  | 5.592G |
| 65 | 5.569G | 66 | 5.576G | 67 | 5.379G | 68  | 5.566G |
| 69 | 5.626G | 70 | 5.301G | 71 | 5.534G | 72  | 5.581G |
| 73 | 5.260G | 74 | 5.512G | 75 | 5.656G | 76  | 5.693G |
| 77 | 5.717G | 78 | 5.261G | 79 | 5.676G | 80  | 5.454G |
| 81 | 5.344G | 82 | 5.343G | 83 | 5.529G | 84  | 5.679G |
| 85 | 5.440G | 86 | 5.317G | 87 | 5.445G | 88  | 5.425G |
| 89 | 5.406G | 90 | 5.294G | 91 | 5.575G | 92  | 5.658G |
| 93 | 5.326G | 94 | 5.446G | 95 | 5.386G | 96  | 5.607G |
| 97 | 5.312G | 98 | 5.289G | 99 | 5.662G | 100 | 5.390G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.404G            | 2    | 5.510G            | 3    | 5.331G            | 4    | 5.666G            |
| 5                                                | 5.480G            | 6    | 5.260G            | 7    | 5.614G            | 8    | 5.720G            |
| 9                                                | 5.513G            | 10   | 5.379G            | 11   | 5.318G            | 12   | 5.596G            |
| 13                                               | 5.297G            | 14   | 5.324G            | 15   | 5.467G            | 16   | 5.410G            |
| 17                                               | 5.558G            | 18   | 5.670G            | 19   | 5.465G            | 20   | 5.485G            |
| 21                                               | 5.555G            | 22   | 5.470G            | 23   | 5.341G            | 24   | 5.266G            |
| 25                                               | 5.499G            | 26   | 5.713G            | 27   | 5.512G            | 28   | 5.372G            |
| 29                                               | 5.368G            | 30   | 5.457G            | 31   | 5.692G            | 32   | 5.378G            |
| 33                                               | 5.684G            | 34   | 5.658G            | 35   | 5.647G            | 36   | 5.585G            |
| 37                                               | 5.532G            | 38   | 5.592G            | 39   | 5.488G            | 40   | 5.560G            |
| 41                                               | 5.688G            | 42   | 5.721G            | 43   | 5.327G            | 44   | 5.478G            |
| 45                                               | 5.699G            | 46   | 5.714G            | 47   | 5.544G            | 48   | 5.622G            |
| 49                                               | 5.346G            | 50   | 5.250G            | 51   | 5.381G            | 52   | 5.282G            |
| 53                                               | 5.335G            | 54   | 5.420G            | 55   | 5.673G            | 56   | 5.686G            |
| 57                                               | 5.263G            | 58   | 5.304G            | 59   | 5.548G            | 60   | 5.252G            |
| 61                                               | 5.689G            | 62   | 5.395G            | 63   | 5.409G            | 64   | 5.521G            |
| 65                                               | 5.481G            | 66   | 5.575G            | 67   | 5.441G            | 68   | 5.389G            |
| 69                                               | 5.376G            | 70   | 5.258G            | 71   | 5.610G            | 72   | 5.645G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.296G | 74 | 5.529G | 75 | 5.320G | 76  | 5.533G |
| 77 | 5.476G | 78 | 5.497G | 79 | 5.447G | 80  | 5.255G |
| 81 | 5.632G | 82 | 5.685G | 83 | 5.299G | 84  | 5.284G |
| 85 | 5.275G | 86 | 5.398G | 87 | 5.542G | 88  | 5.411G |
| 89 | 5.574G | 90 | 5.553G | 91 | 5.332G | 92  | 5.524G |
| 93 | 5.576G | 94 | 5.506G | 95 | 5.310G | 96  | 5.635G |
| 97 | 5.691G | 98 | 5.716G | 99 | 5.615G | 100 | 5.613G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.610G            | 2    | 5.359G            | 3    | 5.657G            | 4    | 5.616G            |
| 5                                                | 5.692G            | 6    | 5.425G            | 7    | 5.488G            | 8    | 5.708G            |
| 9                                                | 5.714G            | 10   | 5.464G            | 11   | 5.305G            | 12   | 5.549G            |
| 13                                               | 5.264G            | 14   | 5.405G            | 15   | 5.327G            | 16   | 5.572G            |
| 17                                               | 5.699G            | 18   | 5.254G            | 19   | 5.288G            | 20   | 5.499G            |
| 21                                               | 5.311G            | 22   | 5.664G            | 23   | 5.619G            | 24   | 5.358G            |
| 25                                               | 5.295G            | 26   | 5.267G            | 27   | 5.703G            | 28   | 5.477G            |
| 29                                               | 5.585G            | 30   | 5.303G            | 31   | 5.360G            | 32   | 5.517G            |
| 33                                               | 5.723G            | 34   | 5.522G            | 35   | 5.298G            | 36   | 5.313G            |
| 37                                               | 5.563G            | 38   | 5.621G            | 39   | 5.496G            | 40   | 5.687G            |
| 41                                               | 5.586G            | 42   | 5.651G            | 43   | 5.552G            | 44   | 5.250G            |
| 45                                               | 5.325G            | 46   | 5.635G            | 47   | 5.286G            | 48   | 5.686G            |
| 49                                               | 5.506G            | 50   | 5.605G            | 51   | 5.291G            | 52   | 5.306G            |
| 53                                               | 5.535G            | 54   | 5.457G            | 55   | 5.312G            | 56   | 5.627G            |
| 57                                               | 5.334G            | 58   | 5.382G            | 59   | 5.316G            | 60   | 5.318G            |
| 61                                               | 5.661G            | 62   | 5.547G            | 63   | 5.704G            | 64   | 5.702G            |
| 65                                               | 5.456G            | 66   | 5.510G            | 67   | 5.320G            | 68   | 5.370G            |
| 69                                               | 5.644G            | 70   | 5.548G            | 71   | 5.497G            | 72   | 5.502G            |
| 73                                               | 5.452G            | 74   | 5.709G            | 75   | 5.417G            | 76   | 5.406G            |
| 77                                               | 5.401G            | 78   | 5.588G            | 79   | 5.534G            | 80   | 5.622G            |
| 81                                               | 5.665G            | 82   | 5.566G            | 83   | 5.478G            | 84   | 5.513G            |
| 85                                               | 5.463G            | 86   | 5.710G            | 87   | 5.270G            | 88   | 5.594G            |
| 89                                               | 5.626G            | 90   | 5.527G            | 91   | 5.409G            | 92   | 5.330G            |
| 93                                               | 5.299G            | 94   | 5.413G            | 95   | 5.574G            | 96   | 5.712G            |
| 97                                               | 5.567G            | 98   | 5.446G            | 99   | 5.545G            | 100  | 5.263G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.385G            | 2    | 5.389G            | 3    | 5.678G            | 4    | 5.324G            |
| 5                                                | 5.452G            | 6    | 5.634G            | 7    | 5.351G            | 8    | 5.419G            |
| 9                                                | 5.511G            | 10   | 5.534G            | 11   | 5.661G            | 12   | 5.252G            |
| 13                                               | 5.637G            | 14   | 5.308G            | 15   | 5.469G            | 16   | 5.258G            |
| 17                                               | 5.530G            | 18   | 5.533G            | 19   | 5.345G            | 20   | 5.285G            |
| 21                                               | 5.702G            | 22   | 5.305G            | 23   | 5.312G            | 24   | 5.528G            |
| 25                                               | 5.488G            | 26   | 5.497G            | 27   | 5.684G            | 28   | 5.685G            |
| 29                                               | 5.598G            | 30   | 5.662G            | 31   | 5.421G            | 32   | 5.608G            |
| 33                                               | 5.516G            | 34   | 5.444G            | 35   | 5.397G            | 36   | 5.339G            |
| 37                                               | 5.621G            | 38   | 5.649G            | 39   | 5.526G            | 40   | 5.589G            |
| 41                                               | 5.479G            | 42   | 5.459G            | 43   | 5.261G            | 44   | 5.399G            |
| 45                                               | 5.372G            | 46   | 5.441G            | 47   | 5.253G            | 48   | 5.433G            |
| 49                                               | 5.424G            | 50   | 5.666G            | 51   | 5.381G            | 52   | 5.429G            |
| 53                                               | 5.294G            | 54   | 5.465G            | 55   | 5.504G            | 56   | 5.710G            |
| 57                                               | 5.568G            | 58   | 5.331G            | 59   | 5.711G            | 60   | 5.494G            |
| 61                                               | 5.716G            | 62   | 5.319G            | 63   | 5.505G            | 64   | 5.485G            |
| 65                                               | 5.267G            | 66   | 5.336G            | 67   | 5.383G            | 68   | 5.275G            |
| 69                                               | 5.518G            | 70   | 5.354G            | 71   | 5.343G            | 72   | 5.427G            |
| 73                                               | 5.264G            | 74   | 5.715G            | 75   | 5.510G            | 76   | 5.297G            |
| 77                                               | 5.611G            | 78   | 5.292G            | 79   | 5.581G            | 80   | 5.375G            |
| 81                                               | 5.446G            | 82   | 5.302G            | 83   | 5.371G            | 84   | 5.636G            |
| 85                                               | 5.288G            | 86   | 5.320G            | 87   | 5.557G            | 88   | 5.373G            |
| 89                                               | 5.386G            | 90   | 5.327G            | 91   | 5.357G            | 92   | 5.480G            |
| 93                                               | 5.654G            | 94   | 5.693G            | 95   | 5.541G            | 96   | 5.695G            |
| 97                                               | 5.387G            | 98   | 5.350G            | 99   | 5.304G            | 100  | 5.272G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.527G            | 2    | 5.719G            | 3    | 5.285G            | 4    | 5.696G            |
| 5                                                | 5.718G            | 6    | 5.671G            | 7    | 5.500G            | 8    | 5.252G            |
| 9                                                | 5.657G            | 10   | 5.629G            | 11   | 5.585G            | 12   | 5.564G            |
| 13                                               | 5.307G            | 14   | 5.542G            | 15   | 5.340G            | 16   | 5.258G            |
| 17                                               | 5.642G            | 18   | 5.360G            | 19   | 5.440G            | 20   | 5.383G            |
| 21                                               | 5.386G            | 22   | 5.634G            | 23   | 5.268G            | 24   | 5.720G            |
| 25                                               | 5.316G            | 26   | 5.313G            | 27   | 5.406G            | 28   | 5.471G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.624G | 30 | 5.558G | 31 | 5.327G | 32  | 5.475G |
| 33 | 5.400G | 34 | 5.614G | 35 | 5.654G | 36  | 5.370G |
| 37 | 5.469G | 38 | 5.618G | 39 | 5.264G | 40  | 5.496G |
| 41 | 5.514G | 42 | 5.670G | 43 | 5.648G | 44  | 5.701G |
| 45 | 5.510G | 46 | 5.461G | 47 | 5.541G | 48  | 5.250G |
| 49 | 5.610G | 50 | 5.594G | 51 | 5.646G | 52  | 5.336G |
| 53 | 5.325G | 54 | 5.389G | 55 | 5.562G | 56  | 5.358G |
| 57 | 5.442G | 58 | 5.596G | 59 | 5.257G | 60  | 5.398G |
| 61 | 5.572G | 62 | 5.506G | 63 | 5.688G | 64  | 5.708G |
| 65 | 5.371G | 66 | 5.548G | 67 | 5.554G | 68  | 5.530G |
| 69 | 5.498G | 70 | 5.663G | 71 | 5.342G | 72  | 5.365G |
| 73 | 5.586G | 74 | 5.414G | 75 | 5.716G | 76  | 5.627G |
| 77 | 5.446G | 78 | 5.343G | 79 | 5.305G | 80  | 5.628G |
| 81 | 5.632G | 82 | 5.668G | 83 | 5.647G | 84  | 5.532G |
| 85 | 5.267G | 86 | 5.409G | 87 | 5.326G | 88  | 5.704G |
| 89 | 5.540G | 90 | 5.455G | 91 | 5.390G | 92  | 5.494G |
| 93 | 5.565G | 94 | 5.411G | 95 | 5.723G | 96  | 5.538G |
| 97 | 5.529G | 98 | 5.296G | 99 | 5.256G | 100 | 5.280G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.334G         | 2    | 5.291G         | 3    | 5.586G         | 4    | 5.609G         |
| 5                                                | 5.438G         | 6    | 5.301G         | 7    | 5.422G         | 8    | 5.383G         |
| 9                                                | 5.256G         | 10   | 5.713G         | 11   | 5.643G         | 12   | 5.460G         |
| 13                                               | 5.555G         | 14   | 5.593G         | 15   | 5.700G         | 16   | 5.480G         |
| 17                                               | 5.251G         | 18   | 5.707G         | 19   | 5.326G         | 20   | 5.611G         |
| 21                                               | 5.353G         | 22   | 5.335G         | 23   | 5.694G         | 24   | 5.537G         |
| 25                                               | 5.458G         | 26   | 5.687G         | 27   | 5.346G         | 28   | 5.338G         |
| 29                                               | 5.414G         | 30   | 5.702G         | 31   | 5.430G         | 32   | 5.386G         |
| 33                                               | 5.486G         | 34   | 5.587G         | 35   | 5.333G         | 36   | 5.724G         |
| 37                                               | 5.285G         | 38   | 5.436G         | 39   | 5.396G         | 40   | 5.542G         |
| 41                                               | 5.433G         | 42   | 5.306G         | 43   | 5.704G         | 44   | 5.380G         |
| 45                                               | 5.384G         | 46   | 5.255G         | 47   | 5.496G         | 48   | 5.340G         |
| 49                                               | 5.605G         | 50   | 5.473G         | 51   | 5.416G         | 52   | 5.466G         |
| 53                                               | 5.610G         | 54   | 5.716G         | 55   | 5.527G         | 56   | 5.504G         |
| 57                                               | 5.685G         | 58   | 5.357G         | 59   | 5.370G         | 60   | 5.365G         |
| 61                                               | 5.699G         | 62   | 5.439G         | 63   | 5.567G         | 64   | 5.483G         |
| 65                                               | 5.269G         | 66   | 5.261G         | 67   | 5.404G         | 68   | 5.634G         |
| 69                                               | 5.389G         | 70   | 5.655G         | 71   | 5.459G         | 72   | 5.413G         |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.391G | 74 | 5.690G | 75 | 5.632G | 76  | 5.645G |
| 77 | 5.465G | 78 | 5.250G | 79 | 5.666G | 80  | 5.392G |
| 81 | 5.472G | 82 | 5.701G | 83 | 5.319G | 84  | 5.415G |
| 85 | 5.451G | 86 | 5.705G | 87 | 5.288G | 88  | 5.670G |
| 89 | 5.583G | 90 | 5.714G | 91 | 5.622G | 92  | 5.423G |
| 93 | 5.624G | 94 | 5.500G | 95 | 5.358G | 96  | 5.710G |
| 97 | 5.703G | 98 | 5.298G | 99 | 5.420G | 100 | 5.267G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.551G            | 2    | 5.321G            | 3    | 5.512G            | 4    | 5.476G            |
| 5                                                | 5.699G            | 6    | 5.425G            | 7    | 5.454G            | 8    | 5.358G            |
| 9                                                | 5.414G            | 10   | 5.697G            | 11   | 5.364G            | 12   | 5.267G            |
| 13                                               | 5.517G            | 14   | 5.305G            | 15   | 5.285G            | 16   | 5.492G            |
| 17                                               | 5.262G            | 18   | 5.363G            | 19   | 5.276G            | 20   | 5.537G            |
| 21                                               | 5.621G            | 22   | 5.549G            | 23   | 5.301G            | 24   | 5.428G            |
| 25                                               | 5.399G            | 26   | 5.485G            | 27   | 5.594G            | 28   | 5.643G            |
| 29                                               | 5.595G            | 30   | 5.434G            | 31   | 5.641G            | 32   | 5.313G            |
| 33                                               | 5.642G            | 34   | 5.664G            | 35   | 5.620G            | 36   | 5.268G            |
| 37                                               | 5.590G            | 38   | 5.426G            | 39   | 5.710G            | 40   | 5.259G            |
| 41                                               | 5.718G            | 42   | 5.474G            | 43   | 5.404G            | 44   | 5.593G            |
| 45                                               | 5.402G            | 46   | 5.495G            | 47   | 5.447G            | 48   | 5.644G            |
| 49                                               | 5.660G            | 50   | 5.683G            | 51   | 5.527G            | 52   | 5.572G            |
| 53                                               | 5.688G            | 54   | 5.449G            | 55   | 5.713G            | 56   | 5.279G            |
| 57                                               | 5.553G            | 58   | 5.493G            | 59   | 5.635G            | 60   | 5.578G            |
| 61                                               | 5.403G            | 62   | 5.336G            | 63   | 5.256G            | 64   | 5.374G            |
| 65                                               | 5.368G            | 66   | 5.326G            | 67   | 5.466G            | 68   | 5.451G            |
| 69                                               | 5.265G            | 70   | 5.366G            | 71   | 5.344G            | 72   | 5.513G            |
| 73                                               | 5.639G            | 74   | 5.340G            | 75   | 5.299G            | 76   | 5.694G            |
| 77                                               | 5.353G            | 78   | 5.564G            | 79   | 5.270G            | 80   | 5.281G            |
| 81                                               | 5.562G            | 82   | 5.544G            | 83   | 5.510G            | 84   | 5.338G            |
| 85                                               | 5.254G            | 86   | 5.263G            | 87   | 5.347G            | 88   | 5.622G            |
| 89                                               | 5.717G            | 90   | 5.329G            | 91   | 5.677G            | 92   | 5.487G            |
| 93                                               | 5.533G            | 94   | 5.682G            | 95   | 5.705G            | 96   | 5.518G            |
| 97                                               | 5.277G            | 98   | 5.667G            | 99   | 5.464G            | 100  | 5.441G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.358G            | 2    | 5.484G            | 3    | 5.337G            | 4    | 5.633G            |
| 5                                                | 5.692G            | 6    | 5.279G            | 7    | 5.520G            | 8    | 5.340G            |
| 9                                                | 5.611G            | 10   | 5.466G            | 11   | 5.599G            | 12   | 5.277G            |
| 13                                               | 5.610G            | 14   | 5.671G            | 15   | 5.675G            | 16   | 5.577G            |
| 17                                               | 5.608G            | 18   | 5.430G            | 19   | 5.626G            | 20   | 5.573G            |
| 21                                               | 5.387G            | 22   | 5.617G            | 23   | 5.282G            | 24   | 5.609G            |
| 25                                               | 5.698G            | 26   | 5.656G            | 27   | 5.384G            | 28   | 5.440G            |
| 29                                               | 5.558G            | 30   | 5.590G            | 31   | 5.352G            | 32   | 5.392G            |
| 33                                               | 5.582G            | 34   | 5.429G            | 35   | 5.515G            | 36   | 5.472G            |
| 37                                               | 5.388G            | 38   | 5.681G            | 39   | 5.424G            | 40   | 5.426G            |
| 41                                               | 5.674G            | 42   | 5.443G            | 43   | 5.719G            | 44   | 5.620G            |
| 45                                               | 5.299G            | 46   | 5.616G            | 47   | 5.569G            | 48   | 5.287G            |
| 49                                               | 5.265G            | 50   | 5.554G            | 51   | 5.664G            | 52   | 5.601G            |
| 53                                               | 5.482G            | 54   | 5.398G            | 55   | 5.365G            | 56   | 5.642G            |
| 57                                               | 5.714G            | 58   | 5.696G            | 59   | 5.446G            | 60   | 5.294G            |
| 61                                               | 5.444G            | 62   | 5.542G            | 63   | 5.397G            | 64   | 5.721G            |
| 65                                               | 5.560G            | 66   | 5.414G            | 67   | 5.701G            | 68   | 5.514G            |
| 69                                               | 5.268G            | 70   | 5.636G            | 71   | 5.689G            | 72   | 5.557G            |
| 73                                               | 5.510G            | 74   | 5.594G            | 75   | 5.604G            | 76   | 5.564G            |
| 77                                               | 5.257G            | 78   | 5.381G            | 79   | 5.587G            | 80   | 5.369G            |
| 81                                               | 5.668G            | 82   | 5.415G            | 83   | 5.703G            | 84   | 5.383G            |
| 85                                               | 5.585G            | 86   | 5.433G            | 87   | 5.417G            | 88   | 5.347G            |
| 89                                               | 5.368G            | 90   | 5.308G            | 91   | 5.521G            | 92   | 5.354G            |
| 93                                               | 5.531G            | 94   | 5.290G            | 95   | 5.360G            | 96   | 5.565G            |
| 97                                               | 5.649G            | 98   | 5.391G            | 99   | 5.305G            | 100  | 5.319G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.667G            | 2    | 5.543G            | 3    | 5.530G            | 4    | 5.595G            |
| 5                                                | 5.624G            | 6    | 5.437G            | 7    | 5.628G            | 8    | 5.533G            |
| 9                                                | 5.538G            | 10   | 5.425G            | 11   | 5.499G            | 12   | 5.623G            |
| 13                                               | 5.669G            | 14   | 5.268G            | 15   | 5.366G            | 16   | 5.355G            |
| 17                                               | 5.369G            | 18   | 5.553G            | 19   | 5.251G            | 20   | 5.400G            |
| 21                                               | 5.719G            | 22   | 5.347G            | 23   | 5.592G            | 24   | 5.383G            |
| 25                                               | 5.710G            | 26   | 5.398G            | 27   | 5.404G            | 28   | 5.706G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.320G | 30 | 5.278G | 31 | 5.641G | 32  | 5.513G |
| 33 | 5.326G | 34 | 5.537G | 35 | 5.397G | 36  | 5.700G |
| 37 | 5.566G | 38 | 5.306G | 39 | 5.406G | 40  | 5.309G |
| 41 | 5.361G | 42 | 5.455G | 43 | 5.510G | 44  | 5.378G |
| 45 | 5.314G | 46 | 5.465G | 47 | 5.301G | 48  | 5.454G |
| 49 | 5.632G | 50 | 5.402G | 51 | 5.637G | 52  | 5.373G |
| 53 | 5.250G | 54 | 5.578G | 55 | 5.360G | 56  | 5.391G |
| 57 | 5.682G | 58 | 5.650G | 59 | 5.433G | 60  | 5.444G |
| 61 | 5.427G | 62 | 5.639G | 63 | 5.352G | 64  | 5.479G |
| 65 | 5.580G | 66 | 5.671G | 67 | 5.388G | 68  | 5.313G |
| 69 | 5.396G | 70 | 5.713G | 71 | 5.354G | 72  | 5.634G |
| 73 | 5.405G | 74 | 5.293G | 75 | 5.561G | 76  | 5.422G |
| 77 | 5.462G | 78 | 5.385G | 79 | 5.364G | 80  | 5.317G |
| 81 | 5.616G | 82 | 5.686G | 83 | 5.542G | 84  | 5.416G |
| 85 | 5.333G | 86 | 5.631G | 87 | 5.331G | 88  | 5.606G |
| 89 | 5.492G | 90 | 5.393G | 91 | 5.575G | 92  | 5.610G |
| 93 | 5.619G | 94 | 5.335G | 95 | 5.415G | 96  | 5.692G |
| 97 | 5.544G | 98 | 5.327G | 99 | 5.617G | 100 | 5.648G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.412G            | 2    | 5.407G            | 3    | 5.435G            | 4    | 5.418G            |
| 5                                                | 5.409G            | 6    | 5.553G            | 7    | 5.611G            | 8    | 5.478G            |
| 9                                                | 5.559G            | 10   | 5.301G            | 11   | 5.402G            | 12   | 5.382G            |
| 13                                               | 5.508G            | 14   | 5.706G            | 15   | 5.422G            | 16   | 5.315G            |
| 17                                               | 5.655G            | 18   | 5.377G            | 19   | 5.709G            | 20   | 5.677G            |
| 21                                               | 5.493G            | 22   | 5.313G            | 23   | 5.446G            | 24   | 5.343G            |
| 25                                               | 5.285G            | 26   | 5.275G            | 27   | 5.703G            | 28   | 5.321G            |
| 29                                               | 5.597G            | 30   | 5.466G            | 31   | 5.555G            | 32   | 5.349G            |
| 33                                               | 5.464G            | 34   | 5.479G            | 35   | 5.659G            | 36   | 5.252G            |
| 37                                               | 5.558G            | 38   | 5.347G            | 39   | 5.512G            | 40   | 5.398G            |
| 41                                               | 5.338G            | 42   | 5.648G            | 43   | 5.345G            | 44   | 5.271G            |
| 45                                               | 5.681G            | 46   | 5.284G            | 47   | 5.615G            | 48   | 5.673G            |
| 49                                               | 5.326G            | 50   | 5.461G            | 51   | 5.426G            | 52   | 5.594G            |
| 53                                               | 5.309G            | 54   | 5.319G            | 55   | 5.403G            | 56   | 5.462G            |
| 57                                               | 5.380G            | 58   | 5.324G            | 59   | 5.290G            | 60   | 5.267G            |
| 61                                               | 5.441G            | 62   | 5.608G            | 63   | 5.576G            | 64   | 5.717G            |
| 65                                               | 5.484G            | 66   | 5.511G            | 67   | 5.640G            | 68   | 5.375G            |
| 69                                               | 5.451G            | 70   | 5.342G            | 71   | 5.722G            | 72   | 5.266G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.362G | 74 | 5.666G | 75 | 5.724G | 76  | 5.283G |
| 77 | 5.623G | 78 | 5.662G | 79 | 5.416G | 80  | 5.575G |
| 81 | 5.372G | 82 | 5.354G | 83 | 5.357G | 84  | 5.391G |
| 85 | 5.713G | 86 | 5.317G | 87 | 5.381G | 88  | 5.428G |
| 89 | 5.376G | 90 | 5.568G | 91 | 5.369G | 92  | 5.439G |
| 93 | 5.639G | 94 | 5.487G | 95 | 5.396G | 96  | 5.689G |
| 97 | 5.642G | 98 | 5.366G | 99 | 5.482G | 100 | 5.638G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.344G         | 2    | 5.355G         | 3    | 5.506G         | 4    | 5.486G         |
| 5                                                | 5.372G         | 6    | 5.357G         | 7    | 5.628G         | 8    | 5.305G         |
| 9                                                | 5.537G         | 10   | 5.350G         | 11   | 5.498G         | 12   | 5.277G         |
| 13                                               | 5.719G         | 14   | 5.462G         | 15   | 5.609G         | 16   | 5.463G         |
| 17                                               | 5.366G         | 18   | 5.673G         | 19   | 5.512G         | 20   | 5.407G         |
| 21                                               | 5.427G         | 22   | 5.282G         | 23   | 5.360G         | 24   | 5.301G         |
| 25                                               | 5.347G         | 26   | 5.578G         | 27   | 5.265G         | 28   | 5.293G         |
| 29                                               | 5.518G         | 30   | 5.499G         | 31   | 5.291G         | 32   | 5.513G         |
| 33                                               | 5.722G         | 34   | 5.685G         | 35   | 5.326G         | 36   | 5.393G         |
| 37                                               | 5.354G         | 38   | 5.388G         | 39   | 5.493G         | 40   | 5.292G         |
| 41                                               | 5.701G         | 42   | 5.507G         | 43   | 5.371G         | 44   | 5.586G         |
| 45                                               | 5.605G         | 46   | 5.621G         | 47   | 5.313G         | 48   | 5.336G         |
| 49                                               | 5.510G         | 50   | 5.476G         | 51   | 5.315G         | 52   | 5.556G         |
| 53                                               | 5.322G         | 54   | 5.713G         | 55   | 5.629G         | 56   | 5.593G         |
| 57                                               | 5.711G         | 58   | 5.643G         | 59   | 5.443G         | 60   | 5.258G         |
| 61                                               | 5.375G         | 62   | 5.359G         | 63   | 5.458G         | 64   | 5.594G         |
| 65                                               | 5.302G         | 66   | 5.721G         | 67   | 5.312G         | 68   | 5.430G         |
| 69                                               | 5.269G         | 70   | 5.267G         | 71   | 5.496G         | 72   | 5.617G         |
| 73                                               | 5.555G         | 74   | 5.418G         | 75   | 5.352G         | 76   | 5.399G         |
| 77                                               | 5.520G         | 78   | 5.343G         | 79   | 5.530G         | 80   | 5.681G         |
| 81                                               | 5.289G         | 82   | 5.616G         | 83   | 5.646G         | 84   | 5.690G         |
| 85                                               | 5.665G         | 86   | 5.649G         | 87   | 5.428G         | 88   | 5.479G         |
| 89                                               | 5.565G         | 90   | 5.582G         | 91   | 5.329G         | 92   | 5.638G         |
| 93                                               | 5.259G         | 94   | 5.272G         | 95   | 5.509G         | 96   | 5.387G         |
| 97                                               | 5.672G         | 98   | 5.704G         | 99   | 5.705G         | 100  | 5.494G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.474G            | 2    | 5.343G            | 3    | 5.526G            | 4    | 5.618G            |
| 5                                                | 5.558G            | 6    | 5.445G            | 7    | 5.376G            | 8    | 5.315G            |
| 9                                                | 5.617G            | 10   | 5.475G            | 11   | 5.659G            | 12   | 5.585G            |
| 13                                               | 5.724G            | 14   | 5.611G            | 15   | 5.350G            | 16   | 5.284G            |
| 17                                               | 5.299G            | 18   | 5.510G            | 19   | 5.584G            | 20   | 5.681G            |
| 21                                               | 5.599G            | 22   | 5.381G            | 23   | 5.297G            | 24   | 5.463G            |
| 25                                               | 5.436G            | 26   | 5.703G            | 27   | 5.389G            | 28   | 5.509G            |
| 29                                               | 5.506G            | 30   | 5.421G            | 31   | 5.572G            | 32   | 5.615G            |
| 33                                               | 5.289G            | 34   | 5.405G            | 35   | 5.656G            | 36   | 5.689G            |
| 37                                               | 5.688G            | 38   | 5.386G            | 39   | 5.697G            | 40   | 5.529G            |
| 41                                               | 5.269G            | 42   | 5.591G            | 43   | 5.254G            | 44   | 5.579G            |
| 45                                               | 5.710G            | 46   | 5.484G            | 47   | 5.511G            | 48   | 5.629G            |
| 49                                               | 5.325G            | 50   | 5.338G            | 51   | 5.367G            | 52   | 5.632G            |
| 53                                               | 5.649G            | 54   | 5.513G            | 55   | 5.355G            | 56   | 5.583G            |
| 57                                               | 5.434G            | 58   | 5.722G            | 59   | 5.313G            | 60   | 5.624G            |
| 61                                               | 5.371G            | 62   | 5.458G            | 63   | 5.586G            | 64   | 5.532G            |
| 65                                               | 5.485G            | 66   | 5.607G            | 67   | 5.667G            | 68   | 5.479G            |
| 69                                               | 5.517G            | 70   | 5.520G            | 71   | 5.354G            | 72   | 5.723G            |
| 73                                               | 5.466G            | 74   | 5.518G            | 75   | 5.403G            | 76   | 5.564G            |
| 77                                               | 5.633G            | 78   | 5.342G            | 79   | 5.307G            | 80   | 5.271G            |
| 81                                               | 5.335G            | 82   | 5.539G            | 83   | 5.275G            | 84   | 5.660G            |
| 85                                               | 5.653G            | 86   | 5.544G            | 87   | 5.394G            | 88   | 5.423G            |
| 89                                               | 5.634G            | 90   | 5.664G            | 91   | 5.550G            | 92   | 5.620G            |
| 93                                               | 5.272G            | 94   | 5.671G            | 95   | 5.375G            | 96   | 5.597G            |
| 97                                               | 5.560G            | 98   | 5.396G            | 99   | 5.361G            | 100  | 5.470G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.617G            | 2    | 5.547G            | 3    | 5.303G            | 4    | 5.521G            |
| 5                                                | 5.532G            | 6    | 5.454G            | 7    | 5.354G            | 8    | 5.268G            |
| 9                                                | 5.362G            | 10   | 5.336G            | 11   | 5.372G            | 12   | 5.285G            |
| 13                                               | 5.623G            | 14   | 5.597G            | 15   | 5.549G            | 16   | 5.677G            |
| 17                                               | 5.537G            | 18   | 5.666G            | 19   | 5.492G            | 20   | 5.659G            |
| 21                                               | 5.346G            | 22   | 5.267G            | 23   | 5.723G            | 24   | 5.564G            |
| 25                                               | 5.427G            | 26   | 5.543G            | 27   | 5.310G            | 28   | 5.673G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.656G | 30 | 5.582G | 31 | 5.468G | 32  | 5.288G |
| 33 | 5.413G | 34 | 5.465G | 35 | 5.457G | 36  | 5.724G |
| 37 | 5.429G | 38 | 5.337G | 39 | 5.640G | 40  | 5.322G |
| 41 | 5.334G | 42 | 5.687G | 43 | 5.435G | 44  | 5.282G |
| 45 | 5.297G | 46 | 5.550G | 47 | 5.283G | 48  | 5.348G |
| 49 | 5.657G | 50 | 5.387G | 51 | 5.631G | 52  | 5.486G |
| 53 | 5.390G | 54 | 5.678G | 55 | 5.587G | 56  | 5.351G |
| 57 | 5.517G | 58 | 5.583G | 59 | 5.696G | 60  | 5.287G |
| 61 | 5.407G | 62 | 5.608G | 63 | 5.671G | 64  | 5.445G |
| 65 | 5.271G | 66 | 5.394G | 67 | 5.485G | 68  | 5.446G |
| 69 | 5.279G | 70 | 5.621G | 71 | 5.341G | 72  | 5.514G |
| 73 | 5.318G | 74 | 5.408G | 75 | 5.437G | 76  | 5.456G |
| 77 | 5.643G | 78 | 5.693G | 79 | 5.681G | 80  | 5.257G |
| 81 | 5.401G | 82 | 5.393G | 83 | 5.614G | 84  | 5.533G |
| 85 | 5.699G | 86 | 5.620G | 87 | 5.350G | 88  | 5.720G |
| 89 | 5.368G | 90 | 5.609G | 91 | 5.598G | 92  | 5.538G |
| 93 | 5.505G | 94 | 5.498G | 95 | 5.719G | 96  | 5.516G |
| 97 | 5.684G | 98 | 5.645G | 99 | 5.460G | 100 | 5.309G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.252G            | 2    | 5.411G            | 3    | 5.333G            | 4    | 5.656G            |
| 5                                                | 5.593G            | 6    | 5.524G            | 7    | 5.257G            | 8    | 5.270G            |
| 9                                                | 5.380G            | 10   | 5.532G            | 11   | 5.376G            | 12   | 5.429G            |
| 13                                               | 5.278G            | 14   | 5.374G            | 15   | 5.453G            | 16   | 5.716G            |
| 17                                               | 5.560G            | 18   | 5.426G            | 19   | 5.514G            | 20   | 5.711G            |
| 21                                               | 5.315G            | 22   | 5.447G            | 23   | 5.403G            | 24   | 5.528G            |
| 25                                               | 5.534G            | 26   | 5.525G            | 27   | 5.424G            | 28   | 5.615G            |
| 29                                               | 5.479G            | 30   | 5.432G            | 31   | 5.536G            | 32   | 5.659G            |
| 33                                               | 5.482G            | 34   | 5.503G            | 35   | 5.358G            | 36   | 5.470G            |
| 37                                               | 5.576G            | 38   | 5.530G            | 39   | 5.433G            | 40   | 5.678G            |
| 41                                               | 5.585G            | 42   | 5.665G            | 43   | 5.391G            | 44   | 5.510G            |
| 45                                               | 5.449G            | 46   | 5.387G            | 47   | 5.624G            | 48   | 5.583G            |
| 49                                               | 5.283G            | 50   | 5.635G            | 51   | 5.507G            | 52   | 5.390G            |
| 53                                               | 5.370G            | 54   | 5.419G            | 55   | 5.251G            | 56   | 5.527G            |
| 57                                               | 5.496G            | 58   | 5.291G            | 59   | 5.294G            | 60   | 5.443G            |
| 61                                               | 5.616G            | 62   | 5.435G            | 63   | 5.540G            | 64   | 5.699G            |
| 65                                               | 5.709G            | 66   | 5.506G            | 67   | 5.280G            | 68   | 5.563G            |
| 69                                               | 5.493G            | 70   | 5.579G            | 71   | 5.360G            | 72   | 5.553G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.431G | 74 | 5.375G | 75 | 5.701G | 76  | 5.262G |
| 77 | 5.599G | 78 | 5.529G | 79 | 5.693G | 80  | 5.269G |
| 81 | 5.652G | 82 | 5.481G | 83 | 5.523G | 84  | 5.454G |
| 85 | 5.359G | 86 | 5.501G | 87 | 5.346G | 88  | 5.268G |
| 89 | 5.303G | 90 | 5.588G | 91 | 5.710G | 92  | 5.477G |
| 93 | 5.264G | 94 | 5.610G | 95 | 5.675G | 96  | 5.718G |
| 97 | 5.255G | 98 | 5.601G | 99 | 5.312G | 100 | 5.367G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.473G            | 2    | 5.308G            | 3    | 5.549G            | 4    | 5.486G            |
| 5                                                | 5.345G            | 6    | 5.595G            | 7    | 5.651G            | 8    | 5.567G            |
| 9                                                | 5.259G            | 10   | 5.667G            | 11   | 5.670G            | 12   | 5.710G            |
| 13                                               | 5.458G            | 14   | 5.692G            | 15   | 5.329G            | 16   | 5.610G            |
| 17                                               | 5.699G            | 18   | 5.538G            | 19   | 5.532G            | 20   | 5.524G            |
| 21                                               | 5.545G            | 22   | 5.586G            | 23   | 5.256G            | 24   | 5.434G            |
| 25                                               | 5.480G            | 26   | 5.472G            | 27   | 5.298G            | 28   | 5.384G            |
| 29                                               | 5.262G            | 30   | 5.377G            | 31   | 5.454G            | 32   | 5.615G            |
| 33                                               | 5.718G            | 34   | 5.475G            | 35   | 5.621G            | 36   | 5.484G            |
| 37                                               | 5.507G            | 38   | 5.299G            | 39   | 5.324G            | 40   | 5.523G            |
| 41                                               | 5.562G            | 42   | 5.647G            | 43   | 5.393G            | 44   | 5.681G            |
| 45                                               | 5.365G            | 46   | 5.544G            | 47   | 5.419G            | 48   | 5.638G            |
| 49                                               | 5.310G            | 50   | 5.348G            | 51   | 5.596G            | 52   | 5.338G            |
| 53                                               | 5.632G            | 54   | 5.513G            | 55   | 5.530G            | 56   | 5.717G            |
| 57                                               | 5.293G            | 58   | 5.422G            | 59   | 5.448G            | 60   | 5.265G            |
| 61                                               | 5.450G            | 62   | 5.566G            | 63   | 5.270G            | 64   | 5.665G            |
| 65                                               | 5.305G            | 66   | 5.491G            | 67   | 5.295G            | 68   | 5.354G            |
| 69                                               | 5.515G            | 70   | 5.339G            | 71   | 5.250G            | 72   | 5.642G            |
| 73                                               | 5.522G            | 74   | 5.702G            | 75   | 5.349G            | 76   | 5.322G            |
| 77                                               | 5.656G            | 78   | 5.502G            | 79   | 5.671G            | 80   | 5.641G            |
| 81                                               | 5.290G            | 82   | 5.708G            | 83   | 5.289G            | 84   | 5.672G            |
| 85                                               | 5.620G            | 86   | 5.394G            | 87   | 5.373G            | 88   | 5.360G            |
| 89                                               | 5.468G            | 90   | 5.334G            | 91   | 5.361G            | 92   | 5.272G            |
| 93                                               | 5.358G            | 94   | 5.594G            | 95   | 5.504G            | 96   | 5.263G            |
| 97                                               | 5.646G            | 98   | 5.385G            | 99   | 5.356G            | 100  | 5.589G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.251G            | 2    | 5.353G            | 3    | 5.408G            | 4    | 5.270G            |
| 5                                                | 5.346G            | 6    | 5.381G            | 7    | 5.637G            | 8    | 5.537G            |
| 9                                                | 5.723G            | 10   | 5.722G            | 11   | 5.563G            | 12   | 5.686G            |
| 13                                               | 5.721G            | 14   | 5.359G            | 15   | 5.667G            | 16   | 5.677G            |
| 17                                               | 5.333G            | 18   | 5.433G            | 19   | 5.455G            | 20   | 5.289G            |
| 21                                               | 5.358G            | 22   | 5.318G            | 23   | 5.258G            | 24   | 5.342G            |
| 25                                               | 5.298G            | 26   | 5.439G            | 27   | 5.529G            | 28   | 5.611G            |
| 29                                               | 5.561G            | 30   | 5.469G            | 31   | 5.459G            | 32   | 5.553G            |
| 33                                               | 5.635G            | 34   | 5.451G            | 35   | 5.420G            | 36   | 5.254G            |
| 37                                               | 5.331G            | 38   | 5.630G            | 39   | 5.681G            | 40   | 5.339G            |
| 41                                               | 5.424G            | 42   | 5.581G            | 43   | 5.496G            | 44   | 5.398G            |
| 45                                               | 5.355G            | 46   | 5.277G            | 47   | 5.363G            | 48   | 5.539G            |
| 49                                               | 5.533G            | 50   | 5.350G            | 51   | 5.414G            | 52   | 5.613G            |
| 53                                               | 5.556G            | 54   | 5.250G            | 55   | 5.348G            | 56   | 5.583G            |
| 57                                               | 5.683G            | 58   | 5.664G            | 59   | 5.383G            | 60   | 5.493G            |
| 61                                               | 5.536G            | 62   | 5.614G            | 63   | 5.593G            | 64   | 5.443G            |
| 65                                               | 5.697G            | 66   | 5.509G            | 67   | 5.325G            | 68   | 5.513G            |
| 69                                               | 5.633G            | 70   | 5.410G            | 71   | 5.707G            | 72   | 5.655G            |
| 73                                               | 5.627G            | 74   | 5.596G            | 75   | 5.397G            | 76   | 5.456G            |
| 77                                               | 5.472G            | 78   | 5.545G            | 79   | 5.438G            | 80   | 5.488G            |
| 81                                               | 5.287G            | 82   | 5.302G            | 83   | 5.300G            | 84   | 5.484G            |
| 85                                               | 5.549G            | 86   | 5.466G            | 87   | 5.505G            | 88   | 5.471G            |
| 89                                               | 5.491G            | 90   | 5.544G            | 91   | 5.663G            | 92   | 5.713G            |
| 93                                               | 5.423G            | 94   | 5.518G            | 95   | 5.413G            | 96   | 5.506G            |
| 97                                               | 5.724G            | 98   | 5.494G            | 99   | 5.374G            | 100  | 5.269G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.653G            | 2    | 5.651G            | 3    | 5.538G            | 4    | 5.509G            |
| 5                                                | 5.600G            | 6    | 5.355G            | 7    | 5.599G            | 8    | 5.310G            |
| 9                                                | 5.407G            | 10   | 5.637G            | 11   | 5.398G            | 12   | 5.306G            |
| 13                                               | 5.534G            | 14   | 5.349G            | 15   | 5.459G            | 16   | 5.620G            |
| 17                                               | 5.473G            | 18   | 5.437G            | 19   | 5.348G            | 20   | 5.320G            |
| 21                                               | 5.486G            | 22   | 5.479G            | 23   | 5.692G            | 24   | 5.461G            |
| 25                                               | 5.335G            | 26   | 5.540G            | 27   | 5.626G            | 28   | 5.722G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.621G | 30 | 5.719G | 31 | 5.481G | 32  | 5.379G |
| 33 | 5.578G | 34 | 5.589G | 35 | 5.347G | 36  | 5.390G |
| 37 | 5.456G | 38 | 5.698G | 39 | 5.618G | 40  | 5.341G |
| 41 | 5.420G | 42 | 5.458G | 43 | 5.323G | 44  | 5.272G |
| 45 | 5.471G | 46 | 5.502G | 47 | 5.614G | 48  | 5.315G |
| 49 | 5.513G | 50 | 5.396G | 51 | 5.628G | 52  | 5.387G |
| 53 | 5.307G | 54 | 5.656G | 55 | 5.598G | 56  | 5.448G |
| 57 | 5.607G | 58 | 5.495G | 59 | 5.346G | 60  | 5.300G |
| 61 | 5.679G | 62 | 5.450G | 63 | 5.288G | 64  | 5.680G |
| 65 | 5.443G | 66 | 5.667G | 67 | 5.549G | 68  | 5.281G |
| 69 | 5.474G | 70 | 5.367G | 71 | 5.556G | 72  | 5.321G |
| 73 | 5.329G | 74 | 5.609G | 75 | 5.674G | 76  | 5.377G |
| 77 | 5.336G | 78 | 5.491G | 79 | 5.624G | 80  | 5.576G |
| 81 | 5.380G | 82 | 5.666G | 83 | 5.305G | 84  | 5.442G |
| 85 | 5.285G | 86 | 5.529G | 87 | 5.591G | 88  | 5.282G |
| 89 | 5.350G | 90 | 5.492G | 91 | 5.579G | 92  | 5.585G |
| 93 | 5.676G | 94 | 5.482G | 95 | 5.539G | 96  | 5.309G |
| 97 | 5.635G | 98 | 5.402G | 99 | 5.544G | 100 | 5.382G |

## For Mesh Mode IEEE 802.11n HT20

### Type 1 Radar Statistical Performances

| Trial # | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
|---------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| 1       | 22                                         | 1066.1                 | 57               | 938        | 5507                  | Yes       |
| 2       | 10                                         | 1432.7                 | 76               | 698        | 5505                  | Yes       |
| 3       | 6                                          | 1618.1                 | 86               | 618        | 5501                  | Yes       |
| 4       | 2                                          | 1858.7                 | 99               | 538        | 5494                  | Yes       |
| 5       | 19                                         | 1139                   | 61               | 878        | 5495                  | Yes       |
| 6       | 23                                         | 326.2                  | 18               | 3066       | 5493                  | Yes       |
| 7       | 7                                          | 1567.4                 | 83               | 638        | 5506                  | Yes       |
| 8       | 21                                         | 1089.3                 | 58               | 918        | 5499                  | Yes       |
| 9       | 17                                         | 1193.3                 | 63               | 838        | 5498                  | Yes       |
| 10      | 18                                         | 1165.6                 | 62               | 858        | 5502                  | Yes       |
| 11      | 15                                         | 1253.1                 | 67               | 798        | 5497                  | Yes       |
| 12      | 11                                         | 1392.8                 | 74               | 718        | 5492                  | Yes       |
| 13      | 4                                          | 1730.1                 | 92               | 578        | 5496                  | Yes       |
| 14      | 5                                          | 1672.2                 | 89               | 598        | 5504                  | Yes       |
| 15      | 3                                          | 1792.1                 | 95               | 558        | 5500                  | Yes       |
| 16      |                                            | 394.3                  | 21               | 2536       | 5509                  | Yes       |
| 17      |                                            | 1035.2                 | 55               | 966        | 5491                  | Yes       |
| 18      |                                            | 1209.2                 | 64               | 827        | 5508                  | Yes       |
| 19      |                                            | 399.8                  | 22               | 2501       | 5503                  | Yes       |
| 20      |                                            | 385.3                  | 21               | 2595       | 5499                  | Yes       |
| 21      |                                            | 897.7                  | 48               | 1114       | 5508                  | Yes       |
| 22      |                                            | 768.1                  | 41               | 1302       | 5492                  | Yes       |
| 23      |                                            | 328.4                  | 18               | 3045       | 5506                  | Yes       |
| 24      |                                            | 615.8                  | 33               | 1624       | 5495                  | Yes       |
| 25      |                                            | 347.5                  | 19               | 2878       | 5493                  | Yes       |
| 26      |                                            | 973.7                  | 52               | 1027       | 5504                  | Yes       |
| 27      |                                            | 402.4                  | 22               | 2485       | 5503                  | Yes       |
| 28      |                                            | 625                    | 33               | 1600       | 5505                  | Yes       |
| 29      |                                            | 853.2                  | 46               | 1172       | 5502                  | Yes       |
| 30      |                                            | 849.6                  | 45               | 1177       | 5497                  | Yes       |

Detection Rate: 100 %

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.2                | 179        | 5491                  | Yes       |
| 2                                     | 23               | 1.1                | 207        | 5499                  | Yes       |
| 3                                     | 24               | 2.1                | 230        | 5493                  | Yes       |
| 4                                     | 29               | 4.8                | 200        | 5506                  | Yes       |
| 5                                     | 28               | 3.9                | 214        | 5503                  | Yes       |
| 6                                     | 26               | 2.9                | 222        | 5496                  | Yes       |
| 7                                     | 26               | 3.2                | 204        | 5505                  | Yes       |
| 8                                     | 25               | 2.5                | 192        | 5495                  | Yes       |
| 9                                     | 26               | 3.1                | 164        | 5509                  | No        |
| 10                                    | 23               | 1.2                | 156        | 5498                  | Yes       |
| 11                                    | 27               | 3.9                | 210        | 5502                  | Yes       |
| 12                                    | 29               | 4.6                | 201        | 5494                  | Yes       |
| 13                                    | 26               | 3.2                | 162        | 5492                  | No        |
| 14                                    | 25               | 2.2                | 197        | 5501                  | Yes       |
| 15                                    | 29               | 4.5                | 163        | 5497                  | Yes       |
| 16                                    | 26               | 3                  | 203        | 5500                  | Yes       |
| 17                                    | 29               | 5                  | 168        | 5504                  | Yes       |
| 18                                    | 25               | 2.4                | 217        | 5507                  | Yes       |
| 19                                    | 26               | 2.9                | 191        | 5508                  | Yes       |
| 20                                    | 25               | 2.3                | 166        | 5509                  | Yes       |
| 21                                    | 27               | 3.7                | 150        | 5496                  | Yes       |
| 22                                    | 25               | 2.2                | 176        | 5499                  | Yes       |
| 23                                    | 29               | 4.9                | 195        | 5494                  | Yes       |
| 24                                    | 26               | 2.9                | 202        | 5495                  | Yes       |
| 25                                    | 25               | 2.5                | 178        | 5502                  | Yes       |
| 26                                    | 23               | 1.1                | 206        | 5497                  | Yes       |
| 27                                    | 27               | 3.8                | 155        | 5500                  | Yes       |
| 28                                    | 29               | 4.7                | 157        | 5506                  | Yes       |
| 29                                    | 25               | 2.4                | 224        | 5507                  | Yes       |
| 30                                    | 28               | 4.2                | 159        | 5505                  | Yes       |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 8.2                | 355        | 5506                  | Yes       |
| 2                                     | 16               | 6.1                | 487        | 5498                  | Yes       |
| 3                                     | 16               | 7.1                | 344        | 5507                  | Yes       |
| 4                                     | 18               | 9.8                | 288        | 5493                  | No        |
| 5                                     | 18               | 8.9                | 230        | 5505                  | Yes       |
| 6                                     | 17               | 7.9                | 432        | 5508                  | Yes       |
| 7                                     | 17               | 8.2                | 207        | 5497                  | Yes       |
| 8                                     | 17               | 7.5                | 443        | 5491                  | Yes       |
| 9                                     | 17               | 8.1                | 439        | 5504                  | Yes       |
| 10                                    | 16               | 6.2                | 223        | 5500                  | Yes       |
| 11                                    | 18               | 8.9                | 208        | 5494                  | No        |
| 12                                    | 18               | 9.6                | 463        | 5502                  | Yes       |
| 13                                    | 17               | 8.2                | 441        | 5503                  | Yes       |
| 14                                    | 16               | 7.2                | 323        | 5496                  | Yes       |
| 15                                    | 18               | 9.5                | 297        | 5495                  | Yes       |
| 16                                    | 17               | 8                  | 412        | 5499                  | Yes       |
| 17                                    | 18               | 10                 | 324        | 5492                  | Yes       |
| 18                                    | 17               | 7.4                | 271        | 5501                  | Yes       |
| 19                                    | 17               | 7.9                | 349        | 5509                  | Yes       |
| 20                                    | 16               | 7.3                | 409        | 5498                  | Yes       |
| 21                                    | 18               | 8.7                | 373        | 5503                  | Yes       |
| 22                                    | 16               | 7.2                | 254        | 5494                  | Yes       |
| 23                                    | 18               | 9.9                | 274        | 5496                  | Yes       |
| 24                                    | 17               | 7.9                | 278        | 5495                  | Yes       |
| 25                                    | 17               | 7.5                | 317        | 5504                  | Yes       |
| 26                                    | 16               | 6.1                | 260        | 5502                  | Yes       |
| 27                                    | 18               | 8.8                | 211        | 5492                  | Yes       |
| 28                                    | 18               | 9.7                | 272        | 5509                  | Yes       |
| 29                                    | 17               | 7.4                | 264        | 5501                  | No        |
| 30                                    | 18               | 9.2                | 284        | 5499                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16                 | 355        | 5504                  | Yes       |
| 2                                     | 12               | 11.3               | 487        | 5498                  | Yes       |
| 3                                     | 13               | 13.5               | 344        | 5502                  | Yes       |
| 4                                     | 16               | 19.4               | 288        | 5505                  | Yes       |
| 5                                     | 15               | 17.5               | 230        | 5493                  | Yes       |
| 6                                     | 14               | 15.3               | 432        | 5507                  | Yes       |
| 7                                     | 14               | 15.9               | 207        | 5506                  | Yes       |
| 8                                     | 13               | 14.3               | 443        | 5492                  | Yes       |
| 9                                     | 14               | 15.8               | 439        | 5508                  | Yes       |
| 10                                    | 12               | 11.5               | 223        | 5497                  | Yes       |
| 11                                    | 15               | 17.4               | 208        | 5494                  | Yes       |
| 12                                    | 16               | 19                 | 463        | 5501                  | Yes       |
| 13                                    | 14               | 16                 | 441        | 5499                  | Yes       |
| 14                                    | 13               | 13.8               | 323        | 5509                  | Yes       |
| 15                                    | 16               | 18.9               | 297        | 5496                  | No        |
| 16                                    | 14               | 15.5               | 412        | 5503                  | Yes       |
| 17                                    | 16               | 19.9               | 324        | 5500                  | Yes       |
| 18                                    | 13               | 14.1               | 271        | 5491                  | No        |
| 19                                    | 14               | 15.2               | 349        | 5495                  | Yes       |
| 20                                    | 13               | 13.8               | 409        | 5509                  | Yes       |
| 21                                    | 15               | 17.1               | 373        | 5498                  | Yes       |
| 22                                    | 13               | 13.8               | 254        | 5501                  | Yes       |
| 23                                    | 16               | 19.8               | 274        | 5492                  | Yes       |
| 24                                    | 14               | 15.3               | 278        | 5497                  | Yes       |
| 25                                    | 13               | 14.5               | 317        | 5494                  | Yes       |
| 26                                    | 12               | 11.3               | 260        | 5499                  | Yes       |
| 27                                    | 15               | 17.3               | 211        | 5507                  | Yes       |
| 28                                    | 16               | 19.2               | 272        | 5495                  | Yes       |
| 29                                    | 13               | 14.2               | 264        | 5500                  | Yes       |
| 30                                    | 15               | 18.2               | 284        | 5491                  | Yes       |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                       |
|---------------------------------------|------------------|-----------------------|
| Trial #                               | Test Signal Name | Detection             |
| 1                                     | LP_Signal_01     | Yes                   |
| 2                                     | LP_Signal_02     | Yes                   |
| 3                                     | LP_Signal_03     | Yes                   |
| 4                                     | LP_Signal_04     | Yes                   |
| 5                                     | LP_Signal_05     | Yes                   |
| 6                                     | LP_Signal_06     | Yes                   |
| 7                                     | LP_Signal_07     | Yes                   |
| 8                                     | LP_Signal_08     | Yes                   |
| 9                                     | LP_Signal_09     | Yes                   |
| 10                                    | LP_Signal_10     | Yes                   |
| 11                                    | LP_Signal_11     | Yes                   |
| 12                                    | LP_Signal_12     | Yes                   |
| 13                                    | LP_Signal_13     | Yes                   |
| 14                                    | LP_Signal_14     | Yes                   |
| 15                                    | LP_Signal_15     | Yes                   |
| 16                                    | LP_Signal_16     | Yes                   |
| 17                                    | LP_Signal_17     | Yes                   |
| 18                                    | LP_Signal_18     | Yes                   |
| 19                                    | LP_Signal_19     | Yes                   |
| 20                                    | LP_Signal_20     | Yes                   |
| 21                                    | LP_Signal_21     | Yes                   |
| 22                                    | LP_Signal_22     | Yes                   |
| 23                                    | LP_Signal_23     | Yes                   |
| 24                                    | LP_Signal_24     | Yes                   |
| 25                                    | LP_Signal_25     | Yes                   |
| 26                                    | LP_Signal_26     | Yes                   |
| 27                                    | LP_Signal_27     | Yes                   |
| 28                                    | LP_Signal_28     | Yes                   |
| 29                                    | LP_Signal_29     | Yes                   |
| 30                                    | LP_Signal_30     | Yes                   |
|                                       |                  | Detection Rate: 100 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 15

Chirp Center Frequency 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 77.8            | 1665.0     | 1477.0     | -          |
| 2     | 1                | 13          | 51.9            | 1074.0     | -          | -          |
| 3     | 1                | 13          | 63.8            | 1584.0     | -          | -          |
| 4     | 3                | 13          | 96.6            | 1682.0     | 1786.0     | 1843.0     |
| 5     | 3                | 13          | 85.9            | 1795.0     | 1215.0     | 1729.0     |
| 6     | 2                | 13          | 73.7            | 1198.0     | 1549.0     | -          |
| 7     | 2                | 13          | 77.2            | 1837.0     | 1819.0     | -          |
| 8     | 2                | 13          | 68.4            | 1587.0     | 1114.0     | -          |
| 9     | 2                | 13          | 76.7            | 2000.0     | 1155.0     | -          |
| 10    | 1                | 13          | 53.2            | 1147.0     | -          | -          |
| 11    | 3                | 13          | 85.7            | 1433.0     | 1695.0     | 1394.0     |
| 12    | 3                | 13          | 94.3            | 1670.0     | 1426.0     | 1935.0     |
| 13    | 2                | 13          | 77.6            | 1294.0     | 1671.0     | -          |
| 14    | 1                | 13          | 65.7            | 1512.0     | -          | -          |
| 15    | 3                | 13          | 93.5            | 1444.0     | 1130.0     | 1468.0     |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 8

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 75.0            | 1880.0     | 1527.0     | -          |
| 2     | 3                | 5           | 99.4            | 1401.0     | 1262.0     | 1257.0     |
| 3     | 2                | 5           | 67.4            | 1531.0     | 1403.0     | -          |
| 4     | 2                | 5           | 73.6            | 1449.0     | 1041.0     | -          |

|    |   |   |      |        |        |        |
|----|---|---|------|--------|--------|--------|
| 5  | 1 | 5 | 65.9 | 1432.0 | -      | -      |
| 6  | 3 | 5 | 83.8 | 1356.0 | 1292.0 | 1419.0 |
| 7  | 1 | 5 | 65.5 | 1543.0 | -      | -      |
| 8  | 3 | 5 | 98.6 | 1548.0 | 1796.0 | 1728.0 |
| 9  |   |   |      |        |        |        |
| 10 |   |   |      |        |        |        |
| 11 |   |   |      |        |        |        |
| 12 |   |   |      |        |        |        |
| 13 |   |   |      |        |        |        |
| 14 |   |   |      |        |        |        |
| 15 |   |   |      |        |        |        |
| 16 |   |   |      |        |        |        |
| 17 |   |   |      |        |        |        |
| 18 |   |   |      |        |        |        |
| 19 |   |   |      |        |        |        |
| 20 |   |   |      |        |        |        |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_03<br>Number of Bursts in Trial: 11<br>Chirp Center Frequency: 5500.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 2                | 9           | 73.8            | 1806.0     | 1538.0     | -          |
| 2                                                                                                                                    | 2                | 9           | 69.5            | 1117.0     | 1649.0     | -          |
| 3                                                                                                                                    | 1                | 9           | 51.9            | 1651.0     | -          | -          |
| 4                                                                                                                                    | 3                | 9           | 84.6            | 1976.0     | 1032.0     | 1271.0     |
| 5                                                                                                                                    | 3                | 9           | 95.4            | 1060.0     | 1903.0     | 1388.0     |
| 6                                                                                                                                    | 2                | 9           | 68.0            | 1368.0     | 1351.0     | -          |
| 7                                                                                                                                    | 3                | 9           | 89.6            | 1338.0     | 1514.0     | 1573.0     |
| 8                                                                                                                                    | 2                | 9           | 81.9            | 1022.0     | 1689.0     | -          |
| 9                                                                                                                                    | 3                | 9           | 88.3            | 1810.0     | 1330.0     | 1838.0     |
| 10                                                                                                                                   | 1                | 9           | 53.7            | 1597.0     | -          | -          |
| 11                                                                                                                                   | 3                | 9           | 91.3            | 1961.0     | 1106.0     | 1001.0     |
| 12                                                                                                                                   |                  |             |                 |            |            |            |
| 13                                                                                                                                   |                  |             |                 |            |            |            |
| 14                                                                                                                                   |                  |             |                 |            |            |            |
| 15                                                                                                                                   |                  |             |                 |            |            |            |
| 16                                                                                                                                   |                  |             |                 |            |            |            |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 17 |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_04<br>Number of Bursts in Trial: 20<br>Chirp Center Frequency: 5500.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 2                | 19          | 68.1            | 1339.0     | 1355.0     | -          |
| 2                                                                                                                                    | 1                | 19          | 58.7            | 1251.0     | -          | -          |
| 3                                                                                                                                    | 2                | 19          | 75.3            | 1136.0     | 1640.0     | -          |
| 4                                                                                                                                    | 1                | 19          | 56.4            | 1753.0     | -          | -          |
| 5                                                                                                                                    | 3                | 19          | 99.7            | 1196.0     | 1708.0     | 1159.0     |
| 6                                                                                                                                    | 1                | 19          | 57.7            | 1013.0     | -          | -          |
| 7                                                                                                                                    | 1                | 19          | 59.5            | 1072.0     | -          | -          |
| 8                                                                                                                                    | 2                | 19          | 80.0            | 1482.0     | 1369.0     | -          |
| 9                                                                                                                                    | 2                | 19          | 82.0            | 1993.0     | 1197.0     | -          |
| 10                                                                                                                                   | 2                | 19          | 82.8            | 1883.0     | 1005.0     | -          |
| 11                                                                                                                                   | 3                | 19          | 88.0            | 1061.0     | 1928.0     | 1101.0     |
| 12                                                                                                                                   | 3                | 19          | 93.2            | 1207.0     | 1907.0     | 1223.0     |
| 13                                                                                                                                   | 2                | 19          | 70.4            | 1526.0     | 1360.0     | -          |
| 14                                                                                                                                   | 3                | 19          | 95.3            | 1171.0     | 1955.0     | 1775.0     |
| 15                                                                                                                                   | 2                | 19          | 81.9            | 1690.0     | 1545.0     | -          |
| 16                                                                                                                                   | 3                | 19          | 98.5            | 1975.0     | 1169.0     | 1062.0     |
| 17                                                                                                                                   | 1                | 19          | 65.0            | 1767.0     | -          | -          |
| 18                                                                                                                                   | 3                | 19          | 85.4            | 1011.0     | 1637.0     | 1425.0     |
| 19                                                                                                                                   | 3                | 19          | 91.6            | 1878.0     | 1445.0     | 1325.0     |
| 20                                                                                                                                   | 2                | 19          | 67.3            | 1091.0     | 1218.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 67.9            | 1320.0     | 1133.0     | -          |
| 2     | 1                | 16          | 62.3            | 1957.0     | -          | -          |
| 3     | 1                | 16          | 53.3            | 1592.0     | -          | -          |
| 4     | 3                | 16          | 90.0            | 1900.0     | 1153.0     | 1346.0     |
| 5     | 2                | 16          | 77.1            | 1166.0     | 1646.0     | -          |
| 6     | 3                | 16          | 83.9            | 1278.0     | 1232.0     | 1459.0     |
| 7     | 3                | 16          | 89.1            | 1240.0     | 1384.0     | 1939.0     |
| 8     | 2                | 16          | 81.8            | 1833.0     | 1676.0     | -          |
| 9     | 1                | 16          | 50.3            | 1075.0     | -          | -          |
| 10    | 3                | 16          | 87.1            | 1116.0     | 1996.0     | 1756.0     |
| 11    | 2                | 16          | 71.3            | 1225.0     | 1815.0     | -          |
| 12    | 3                | 16          | 97.5            | 1884.0     | 1465.0     | 1132.0     |
| 13    | 3                | 16          | 90.6            | 1561.0     | 1040.0     | 1354.0     |
| 14    | 3                | 16          | 86.3            | 1596.0     | 1183.0     | 1792.0     |
| 15    | 3                | 16          | 97.6            | 1365.0     | 1073.0     | 1361.0     |
| 16    | 3                | 16          | 84.7            | 1021.0     | 1718.0     | 1854.0     |
| 17    | 3                | 16          | 99.7            | 1150.0     | 1244.0     | 1988.0     |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 92.9            | 1085.0     | 1564.0     | 1407.0     |
| 2     | 2                | 12          | 67.7            | 1744.0     | 1747.0     | -          |
| 3     | 1                | 12          | 65.8            | 1092.0     | -          | -          |
| 4     | 1                | 12          | 56.3            | 1851.0     | -          | -          |
| 5     | 1                | 12          | 53.7            | 1727.0     | -          | -          |
| 6     | 3                | 12          | 83.5            | 1679.0     | 1930.0     | 1025.0     |
| 7     | 1                | 12          | 65.8            | 1519.0     | -          | -          |
| 8     | 3                | 12          | 85.9            | 1134.0     | 1034.0     | 1808.0     |
| 9     | 2                | 12          | 76.3            | 1606.0     | 1926.0     | -          |
| 10    | 2                | 12          | 81.5            | 1891.0     | 1714.0     | -          |
| 11    | 3                | 12          | 89.4            | 1310.0     | 1594.0     | 1827.0     |
| 12    | 1                | 12          | 63.4            | 1568.0     | -          | -          |
| 13    | 2                | 12          | 69.6            | 1307.0     | 1925.0     | -          |
| 14    | 2                | 12          | 74.5            | 1264.0     | 1846.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 15

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 13          | 96.6            | 1182.0     | 1609.0     | 1581.0     |
| 2     | 3                | 13          | 96.7            | 1829.0     | 1799.0     | 1154.0     |
| 3     | 3                | 13          | 86.5            | 1923.0     | 1396.0     | 1865.0     |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 4  | 2 | 13 | 73.3 | 1908.0 | 1318.0 | -      |
| 5  | 1 | 13 | 55.8 | 1688.0 | -      | -      |
| 6  | 1 | 13 | 55.4 | 1145.0 | -      | -      |
| 7  | 3 | 13 | 85.3 | 1336.0 | 1504.0 | 1820.0 |
| 8  | 2 | 13 | 79.4 | 1344.0 | 1893.0 | -      |
| 9  | 1 | 13 | 65.7 | 1476.0 | -      | -      |
| 10 | 2 | 13 | 68.6 | 1008.0 | 1028.0 | -      |
| 11 | 2 | 13 | 77.7 | 1972.0 | 1835.0 | -      |
| 12 | 2 | 13 | 79.6 | 1882.0 | 1331.0 | -      |
| 13 | 3 | 13 | 94.9 | 1830.0 | 1070.0 | 1349.0 |
| 14 | 1 | 13 | 61.4 | 1451.0 | -      | -      |
| 15 | 3 | 13 | 90.6 | 1233.0 | 1562.0 | 1887.0 |
| 16 |   |    |      |        |        |        |
| 17 |   |    |      |        |        |        |
| 18 |   |    |      |        |        |        |
| 19 |   |    |      |        |        |        |
| 20 |   |    |      |        |        |        |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_08<br>Number of Bursts in Trial: 12<br>Chirp Center Frequency: 5500.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 1                | 10          | 52.6            | 1210.0     | -          | -          |
| 2                                                                                                                                    | 3                | 10          | 84.1            | 1314.0     | 1725.0     | 1529.0     |
| 3                                                                                                                                    | 3                | 10          | 97.7            | 1139.0     | 1868.0     | 1805.0     |
| 4                                                                                                                                    | 3                | 10          | 97.3            | 1341.0     | 1446.0     | 1755.0     |
| 5                                                                                                                                    | 3                | 10          | 98.8            | 1544.0     | 1386.0     | 1302.0     |
| 6                                                                                                                                    | 2                | 10          | 72.2            | 1771.0     | 1184.0     | -          |
| 7                                                                                                                                    | 2                | 10          | 67.6            | 1175.0     | 1027.0     | -          |
| 8                                                                                                                                    | 2                | 10          | 75.7            | 1026.0     | 1871.0     | -          |
| 9                                                                                                                                    | 1                | 10          | 60.9            | 1798.0     | -          | -          |
| 10                                                                                                                                   | 1                | 10          | 64.2            | 1138.0     | -          | -          |
| 11                                                                                                                                   | 2                | 10          | 78.8            | 1784.0     | 1604.0     | -          |
| 12                                                                                                                                   | 3                | 10          | 87.5            | 1511.0     | 1712.0     | 1683.0     |
| 13                                                                                                                                   |                  |             |                 |            |            |            |
| 14                                                                                                                                   |                  |             |                 |            |            |            |
| 15                                                                                                                                   |                  |             |                 |            |            |            |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 16 |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_09<br>Number of Bursts in Trial: 14<br>Chirp Center Frequency: 5500.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 1                | 13          | 54.1            | 1415.0     | -          | -          |
| 2                                                                                                                                    | 1                | 13          | 50.7            | 1221.0     | -          | -          |
| 3                                                                                                                                    | 1                | 13          | 52.3            | 1974.0     | -          | -          |
| 4                                                                                                                                    | 3                | 13          | 99.8            | 1558.0     | 1696.0     | 1949.0     |
| 5                                                                                                                                    | 2                | 13          | 68.4            | 1014.0     | 1099.0     | -          |
| 6                                                                                                                                    | 2                | 13          | 80.8            | 1736.0     | 1505.0     | -          |
| 7                                                                                                                                    | 1                | 13          | 62.5            | 1778.0     | -          | -          |
| 8                                                                                                                                    | 2                | 13          | 74.8            | 1149.0     | 1204.0     | -          |
| 9                                                                                                                                    | 1                | 13          | 50.8            | 1049.0     | -          | -          |
| 10                                                                                                                                   | 1                | 13          | 54.0            | 1417.0     | -          | -          |
| 11                                                                                                                                   | 1                | 13          | 63.0            | 1730.0     | -          | -          |
| 12                                                                                                                                   | 3                | 13          | 91.8            | 1143.0     | 1270.0     | 1347.0     |
| 13                                                                                                                                   | 2                | 13          | 79.3            | 1274.0     | 1992.0     | -          |
| 14                                                                                                                                   | 1                | 13          | 64.3            | 1937.0     | -          | -          |
| 15                                                                                                                                   |                  |             |                 |            |            |            |
| 16                                                                                                                                   |                  |             |                 |            |            |            |
| 17                                                                                                                                   |                  |             |                 |            |            |            |
| 18                                                                                                                                   |                  |             |                 |            |            |            |
| 19                                                                                                                                   |                  |             |                 |            |            |            |
| 20                                                                                                                                   |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chirp Center Frequency: 5500.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 6           | 63.4            | 1043.0     | -          | -          |
| 2     | 1                | 6           | 52.0            | 1863.0     | -          | -          |
| 3     | 3                | 6           | 97.2            | 1973.0     | 1605.0     | 1583.0     |
| 4     | 2                | 6           | 78.7            | 1466.0     | 1743.0     | -          |
| 5     | 2                | 6           | 74.2            | 1280.0     | 1219.0     | -          |
| 6     | 3                | 6           | 88.7            | 1293.0     | 1934.0     | 1273.0     |
| 7     | 1                | 6           | 54.3            | 1991.0     | -          | -          |
| 8     | 3                | 6           | 95.4            | 1580.0     | 1555.0     | 1791.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 17

Chirp Center Frequency: 5497.4 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 73.7            | 1208.0     | 1497.0     | -          |
| 2     | 3                | 16          | 97.4            | 1942.0     | 1754.0     | 1613.0     |
| 3     | 3                | 16          | 91.7            | 1999.0     | 1702.0     | 1462.0     |
| 4     | 1                | 16          | 66.2            | 1393.0     | -          | -          |
| 5     | 2                | 16          | 70.8            | 1968.0     | 1821.0     | -          |
| 6     | 1                | 16          | 52.3            | 1740.0     | -          | -          |
| 7     | 2                | 16          | 78.9            | 1308.0     | 1984.0     | -          |
| 8     | 2                | 16          | 70.9            | 1050.0     | 1358.0     | -          |
| 9     | 2                | 16          | 75.6            | 1437.0     | 1430.0     | -          |
| 10    | 1                | 16          | 59.1            | 1697.0     | -          | -          |
| 11    | 2                | 16          | 77.0            | 1397.0     | 1304.0     | -          |
| 12    | 2                | 16          | 67.9            | 1803.0     | 1083.0     | -          |
| 13    | 2                | 16          | 81.2            | 1720.0     | 1932.0     | -          |
| 14    | 2                | 16          | 78.7            | 1247.0     | 1121.0     | -          |
| 15    | 1                | 16          | 63.3            | 1634.0     | -          | -          |
| 16    | 2                | 16          | 68.9            | 1849.0     | 1423.0     | -          |
| 17    | 1                | 16          | 59.3            | 1093.0     | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.6 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 98.9            | 1381.0     | 1680.0     | 1488.0     |
| 2     | 2                | 19          | 82.3            | 1716.0     | 1855.0     | -          |
| 3     | 3                | 19          | 86.7            | 1211.0     | 1400.0     | 1919.0     |
| 4     | 3                | 19          | 89.7            | 1861.0     | 1068.0     | 1282.0     |
| 5     | 3                | 19          | 98.6            | 1507.0     | 1194.0     | 1461.0     |
| 6     | 2                | 19          | 71.1            | 1921.0     | 1789.0     | -          |
| 7     | 1                | 19          | 55.9            | 1947.0     | -          | -          |
| 8     | 2                | 19          | 67.9            | 1350.0     | 1372.0     | -          |
| 9     | 3                | 19          | 84.4            | 1203.0     | 1107.0     | 1443.0     |
| 10    | 1                | 19          | 58.8            | 1715.0     | -          | -          |
| 11    | 1                | 19          | 65.6            | 1017.0     | -          | -          |
| 12    | 2                | 19          | 78.5            | 1911.0     | 1704.0     | -          |
| 13    | 2                | 19          | 82.3            | 1845.0     | 1686.0     | -          |
| 14    | 3                | 19          | 90.1            | 1938.0     | 1071.0     | 1266.0     |
| 15    | 3                | 19          | 90.2            | 1989.0     | 1089.0     | 1950.0     |
| 16    | 2                | 19          | 83.1            | 1943.0     | 1406.0     | -          |
| 17    | 1                | 19          | 58.8            | 1742.0     | -          | -          |
| 18    | 2                | 19          | 77.0            | 1187.0     | 1657.0     | -          |
| 19    | 1                | 19          | 55.0            | 1012.0     | -          | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chirp Center Frequency: 5496.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 58.1            | 1929.0     | -          | -          |
| 2     | 1                | 13          | 52.1            | 1910.0     | -          | -          |
| 3     | 1                | 13          | 59.9            | 1971.0     | -          | -          |
| 4     | 1                | 13          | 60.2            | 1812.0     | -          | -          |
| 5     | 3                | 13          | 95.9            | 1399.0     | 1906.0     | 1608.0     |
| 6     | 2                | 13          | 79.9            | 1626.0     | 1859.0     | -          |
| 7     | 2                | 13          | 78.5            | 1238.0     | 1917.0     | -          |
| 8     | 1                | 13          | 53.8            | 1763.0     | -          | -          |
| 9     | 1                | 13          | 64.7            | 1800.0     | -          | -          |
| 10    | 1                | 13          | 61.4            | 1390.0     | -          | -          |
| 11    | 2                | 13          | 83.2            | 1692.0     | 1858.0     | -          |
| 12    | 3                | 13          | 84.7            | 1533.0     | 1677.0     | 1638.0     |
| 13    | 3                | 13          | 88.7            | 1703.0     | 1528.0     | 1058.0     |
| 14    | 2                | 13          | 78.3            | 1258.0     | 1951.0     | -          |
| 15    | 2                | 13          | 69.3            | 1731.0     | 1717.0     | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 10          | 75.3            | 1994.0     | 1612.0     | -          |
| 2     | 1                | 10          | 56.3            | 1456.0     | -          | -          |
| 3     | 2                | 10          | 67.7            | 1617.0     | 1185.0     | -          |
| 4     | 1                | 10          | 55.6            | 1337.0     | -          | -          |
| 5     | 2                | 10          | 75.2            | 1421.0     | 1267.0     | -          |
| 6     | 2                | 10          | 76.3            | 1359.0     | 1305.0     | -          |
| 7     | 3                | 10          | 85.7            | 1547.0     | 1362.0     | 1924.0     |
| 8     | 3                | 10          | 98.4            | 1873.0     | 1550.0     | 1249.0     |
| 9     | 3                | 10          | 86.4            | 1779.0     | 1439.0     | 1046.0     |
| 10    | 3                | 10          | 93.6            | 1059.0     | 1031.0     | 1452.0     |
| 11    | 1                | 10          | 63.3            | 1328.0     | -          | -          |
| 12    | 3                | 10          | 92.4            | 1412.0     | 1673.0     | 1322.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 93.3            | 1983.0     | 1912.0     | 1535.0     |
| 2     | 2                | 18          | 69.1            | 1102.0     | 1794.0     | -          |
| 3     | 3                | 18          | 86.9            | 1044.0     | 1152.0     | 1148.0     |
| 4     | 3                | 18          | 84.9            | 1894.0     | 1948.0     | 1118.0     |
| 5     | 2                | 18          | 72.3            | 1094.0     | 1916.0     | -          |
| 6     | 1                | 18          | 51.7            | 1447.0     | -          | -          |
| 7     | 1                | 18          | 58.3            | 1429.0     | -          | -          |
| 8     | 1                | 18          | 60.8            | 1979.0     | -          | -          |
| 9     | 1                | 18          | 57.1            | 1641.0     | -          | -          |
| 10    | 3                | 18          | 88.9            | 1886.0     | 1964.0     | 1489.0     |
| 11    | 2                | 18          | 72.0            | 1909.0     | 1297.0     | -          |
| 12    | 3                | 18          | 90.9            | 1261.0     | 1566.0     | 1370.0     |
| 13    | 1                | 18          | 59.8            | 1552.0     | -          | -          |
| 14    | 2                | 18          | 70.0            | 1759.0     | 1291.0     | -          |
| 15    | 2                | 18          | 67.2            | 1625.0     | 1881.0     | -          |
| 16    | 3                | 18          | 91.2            | 1382.0     | 1832.0     | 1661.0     |
| 17    | 1                | 18          | 56.5            | 1483.0     | -          | -          |
| 18    | 1                | 18          | 51.2            | 1237.0     | -          | -          |
| 19    | 2                | 18          | 74.1            | 1471.0     | 1245.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.8MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 12          | 76.9            | 1110.0     | 1140.0     | -          |
| 2     | 1                | 12          | 50.2            | 1316.0     | -          | -          |
| 3     | 1                | 12          | 62.9            | 1520.0     | -          | -          |
| 4     | 1                | 12          | 64.7            | 1902.0     | -          | -          |
| 5     | 3                | 12          | 83.8            | 1410.0     | 1097.0     | 1621.0     |
| 6     | 1                | 12          | 65.4            | 1944.0     | -          | -          |
| 7     | 1                | 12          | 53.2            | 1024.0     | -          | -          |
| 8     | 1                | 12          | 51.7            | 1603.0     | -          | -          |
| 9     | 2                | 12          | 78.7            | 1804.0     | 1168.0     | -          |
| 10    | 2                | 12          | 72.4            | 1030.0     | 1343.0     | -          |
| 11    | 1                | 12          | 53.8            | 1327.0     | -          | -          |
| 12    | 2                | 12          | 73.6            | 1524.0     | 1553.0     | -          |
| 13    | 2                | 12          | 66.7            | 1722.0     | 1122.0     | -          |
| 14    | 2                | 12          | 82.5            | 1404.0     | 1019.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chirp Center Frequency: 5499.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 20          | 87.6            | 1565.0     | 1055.0     | 1840.0     |
| 2     | 3                | 20          | 85.2            | 1735.0     | 1541.0     | 1408.0     |
| 3     | 3                | 20          | 84.8            | 1534.0     | 1889.0     | 1463.0     |
| 4     | 2                | 20          | 77.9            | 1749.0     | 1460.0     | -          |
| 5     | 2                | 20          | 76.5            | 1518.0     | 1485.0     | -          |
| 6     | 1                | 20          | 60.9            | 1540.0     | -          | -          |
| 7     | 2                | 20          | 83.0            | 1080.0     | 1010.0     | -          |
| 8     | 2                | 20          | 80.4            | 1824.0     | 1752.0     | -          |
| 9     | 2                | 20          | 67.5            | 1764.0     | 1181.0     | -          |
| 10    | 1                | 20          | 62.1            | 1495.0     | -          | -          |
| 11    | 3                | 20          | 86.4            | 1773.0     | 1966.0     | 1263.0     |
| 12    | 3                | 20          | 84.3            | 1593.0     | 1188.0     | 1788.0     |
| 13    | 2                | 20          | 76.9            | 1226.0     | 1537.0     | -          |
| 14    | 3                | 20          | 95.8            | 1192.0     | 1298.0     | 1844.0     |
| 15    | 1                | 20          | 55.2            | 1644.0     | -          | -          |
| 16    | 1                | 20          | 59.0            | 1402.0     | -          | -          |
| 17    | 3                | 20          | 94.5            | 1296.0     | 1700.0     | 1283.0     |
| 18    | 3                | 20          | 91.9            | 1970.0     | 1978.0     | 1165.0     |
| 19    | 3                | 20          | 85.2            | 1732.0     | 1551.0     | 1189.0     |
| 20    | 2                | 20          | 69.5            | 1038.0     | 1224.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 86.4            | 1259.0     | 1918.0     | 1455.0     |
| 2     | 3                | 10          | 92.2            | 1598.0     | 1719.0     | 1895.0     |
| 3     | 2                | 10          | 80.4            | 1816.0     | 1899.0     | -          |
| 4     | 1                | 10          | 54.3            | 1335.0     | -          | -          |
| 5     | 1                | 10          | 53.1            | 1303.0     | -          | -          |
| 6     | 2                | 10          | 69.4            | 1503.0     | 1546.0     | -          |
| 7     | 2                | 10          | 69.1            | 1279.0     | 1639.0     | -          |
| 8     | 3                | 10          | 100.0           | 1375.0     | 1438.0     | 1595.0     |
| 9     | 2                | 10          | 79.6            | 1239.0     | 1705.0     | -          |
| 10    | 3                | 10          | 88.4            | 1374.0     | 1579.0     | 1623.0     |
| 11    | 1                | 10          | 53.3            | 1016.0     | -          | -          |
| 12    | 1                | 10          | 65.3            | 1709.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.8MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 55.3            | 1920.0     | -          | -          |
| 2     | 1                | 12          | 58.3            | 1797.0     | -          | -          |
| 3     | 2                | 12          | 72.3            | 1610.0     | 1039.0     | -          |
| 4     | 3                | 12          | 84.8            | 1131.0     | 1761.0     | 1721.0     |
| 5     | 2                | 12          | 82.5            | 1875.0     | 1431.0     | -          |
| 6     | 1                | 12          | 63.3            | 1095.0     | -          | -          |
| 7     | 2                | 12          | 80.0            | 1119.0     | 1913.0     | -          |
| 8     | 3                | 12          | 90.3            | 1660.0     | 1853.0     | 1123.0     |
| 9     | 3                | 12          | 91.1            | 1539.0     | 1783.0     | 1172.0     |
| 10    | 3                | 12          | 96.6            | 1525.0     | 1036.0     | 1385.0     |
| 11    | 2                | 12          | 82.7            | 1710.0     | 1990.0     | -          |
| 12    | 1                | 12          | 50.7            | 1234.0     | -          | -          |
| 13    | 2                | 12          | 78.4            | 1047.0     | 1109.0     | -          |
| 14    | 3                | 12          | 99.5            | 1299.0     | 1965.0     | 1869.0     |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 88.6            | 1501.0     | 1067.0     | 1927.0     |
| 2     | 1                | 10          | 57.4            | 1723.0     | -          | -          |
| 3     | 3                | 10          | 96.6            | 1086.0     | 1658.0     | 1324.0     |
| 4     | 2                | 10          | 69.7            | 1751.0     | 1945.0     | -          |
| 5     | 2                | 10          | 77.9            | 1642.0     | 1317.0     | -          |
| 6     | 1                | 10          | 62.0            | 1866.0     | -          | -          |
| 7     | 3                | 10          | 88.4            | 1997.0     | 1077.0     | 1366.0     |
| 8     | 3                | 10          | 97.3            | 1790.0     | 1896.0     | 1367.0     |
| 9     | 3                | 10          | 96.2            | 1391.0     | 1787.0     | 1672.0     |
| 10    | 3                | 10          | 95.4            | 1020.0     | 1892.0     | 1414.0     |
| 11    | 1                | 10          | 54.8            | 1084.0     | -          | -          |
| 12    | 2                | 10          | 80.4            | 1850.0     | 1436.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 16

Chirp Center Frequency: 5503.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 74.7            | 1619.0     | 1611.0     | -          |
| 2     | 1                | 15          | 57.1            | 1560.0     | -          | -          |
| 3     | 3                | 15          | 91.9            | 1392.0     | 1475.0     | 1276.0     |
| 4     | 2                | 15          | 83.1            | 1809.0     | 1772.0     | -          |
| 5     | 1                | 15          | 50.7            | 1003.0     | -          | -          |
| 6     | 2                | 15          | 79.2            | 1574.0     | 1600.0     | -          |
| 7     | 1                | 15          | 58.7            | 1186.0     | -          | -          |
| 8     | 2                | 15          | 71.0            | 1521.0     | 1567.0     | -          |
| 9     | 2                | 15          | 79.0            | 1777.0     | 1960.0     | -          |
| 10    | 2                | 15          | 68.5            | 1284.0     | 1428.0     | -          |
| 11    | 2                | 15          | 73.5            | 1904.0     | 1352.0     | -          |
| 12    | 2                | 15          | 70.5            | 1864.0     | 1115.0     | -          |
| 13    | 2                | 15          | 76.6            | 1045.0     | 1300.0     | -          |
| 14    | 2                | 15          | 81.2            | 1160.0     | 1675.0     | -          |
| 15    | 1                | 15          | 61.8            | 1277.0     | -          | -          |
| 16    | 3                | 15          | 94.9            | 1450.0     | 1206.0     | 1860.0     |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5505.4MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 78.5            | 1653.0     | 1698.0     | -          |
| 2     | 3                | 9           | 89.8            | 1174.0     | 1962.0     | 1167.0     |
| 3     | 1                | 9           | 59.4            | 1982.0     | -          | -          |
| 4     | 2                | 9           | 79.6            | 1633.0     | 1890.0     | -          |
| 5     | 2                | 9           | 76.0            | 1112.0     | 1811.0     | -          |
| 6     | 1                | 9           | 53.6            | 1144.0     | -          | -          |
| 7     | 2                | 9           | 80.9            | 1220.0     | 1053.0     | -          |
| 8     | 1                | 9           | 61.6            | 1724.0     | -          | -          |
| 9     | 1                | 9           | 53.4            | 1901.0     | -          | -          |
| 10    | 1                | 9           | 59.9            | 1379.0     | -          | -          |
| 11    | 1                | 9           | 60.4            | 1453.0     | -          | -          |
| 12    | 3                | 9           | 91.4            | 1768.0     | 1726.0     | 1227.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 20

Chirp Center Frequency: 5501.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 77.0            | 1191.0     | 1363.0     | -          |
| 2     | 1                | 20          | 58.1            | 1248.0     | -          | -          |
| 3     | 1                | 20          | 62.1            | 1836.0     | -          | -          |
| 4     | 2                | 20          | 76.9            | 1334.0     | 1236.0     | -          |
| 5     | 2                | 20          | 80.0            | 1914.0     | 1852.0     | -          |
| 6     | 1                | 20          | 52.0            | 1701.0     | -          | -          |
| 7     | 3                | 20          | 88.6            | 1693.0     | 1995.0     | 1905.0     |
| 8     | 2                | 20          | 72.9            | 1922.0     | 1387.0     | -          |
| 9     | 3                | 20          | 98.5            | 1839.0     | 1746.0     | 1389.0     |
| 10    | 1                | 20          | 57.9            | 1193.0     | -          | -          |
| 11    | 3                | 20          | 95.9            | 1659.0     | 1870.0     | 1066.0     |
| 12    | 1                | 20          | 53.5            | 1162.0     | -          | -          |
| 13    | 3                | 20          | 92.0            | 1745.0     | 1654.0     | 1458.0     |
| 14    | 1                | 20          | 57.3            | 1834.0     | -          | -          |
| 15    | 2                | 20          | 70.5            | 1684.0     | 1586.0     | -          |
| 16    | 2                | 20          | 70.0            | 1042.0     | 1664.0     | -          |
| 17    | 3                | 20          | 84.0            | 1765.0     | 1630.0     | 1176.0     |
| 18    | 2                | 20          | 76.1            | 1557.0     | 1057.0     | -          |
| 19    | 3                | 20          | 93.2            | 1985.0     | 1018.0     | 1340.0     |
| 20    | 3                | 20          | 96.8            | 1760.0     | 1614.0     | 1817.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chirp Center Frequency: 5504.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 50.1            | 1841.0     | -          | -          |
| 2     | 3                | 12          | 93.5            | 1590.0     | 1081.0     | 1413.0     |
| 3     | 2                | 12          | 68.8            | 1707.0     | 1577.0     | -          |
| 4     | 1                | 12          | 56.3            | 1056.0     | -          | -          |
| 5     | 3                | 12          | 86.0            | 1953.0     | 1108.0     | 1987.0     |
| 6     | 2                | 12          | 75.2            | 1572.0     | 1536.0     | -          |
| 7     | 1                | 12          | 54.4            | 1517.0     | -          | -          |
| 8     | 2                | 12          | 71.1            | 1329.0     | 1243.0     | -          |
| 9     | 2                | 12          | 76.2            | 1940.0     | 1770.0     | -          |
| 10    | 2                | 12          | 80.2            | 1098.0     | 1209.0     | -          |
| 11    | 2                | 12          | 79.7            | 1588.0     | 1214.0     | -          |
| 12    | 3                | 12          | 90.9            | 1615.0     | 1862.0     | 1601.0     |
| 13    | 2                | 12          | 68.7            | 1377.0     | 1441.0     | -          |
| 14    | 2                | 12          | 67.4            | 1872.0     | 1313.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 13

Chirp Center Frequency: 5504.6MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 11          | 94.0            | 1643.0     | 1748.0     | 1941.0     |
| 2     | 2                | 11          | 70.8            | 1177.0     | 1201.0     | -          |
| 3     | 1                | 11          | 56.3            | 1006.0     | -          | -          |
| 4     | 3                | 11          | 96.7            | 1230.0     | 1163.0     | 1332.0     |
| 5     | 3                | 11          | 90.6            | 1217.0     | 1582.0     | 1498.0     |
| 6     | 2                | 11          | 74.5            | 1569.0     | 1281.0     | -          |
| 7     | 3                | 11          | 92.6            | 1065.0     | 1669.0     | 1222.0     |
| 8     | 3                | 11          | 89.0            | 1493.0     | 1135.0     | 1380.0     |
| 9     | 3                | 11          | 96.5            | 1607.0     | 1822.0     | 1602.0     |
| 10    | 2                | 11          | 70.5            | 1141.0     | 1178.0     | -          |
| 11    | 3                | 11          | 94.0            | 1009.0     | 1629.0     | 1956.0     |
| 12    | 1                | 11          | 55.8            | 1290.0     | -          | -          |
| 13    | 3                | 11          | 87.7            | 1435.0     | 1963.0     | 1164.0     |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chirp Center Frequency: 5507.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 68.6            | 1306.0     | 1161.0     | -          |
| 2     | 2                | 5           | 83.1            | 1420.0     | 1315.0     | -          |
| 3     | 1                | 5           | 60.9            | 1687.0     | -          | -          |
| 4     | 2                | 5           | 77.7            | 1776.0     | 1158.0     | -          |
| 5     | 2                | 5           | 77.4            | 1793.0     | 1510.0     | -          |
| 6     | 2                | 5           | 66.8            | 1576.0     | 1323.0     | -          |
| 7     | 1                | 5           | 63.7            | 1333.0     | -          | -          |
| 8     | 3                | 5           | 91.2            | 1409.0     | 1681.0     | 1275.0     |
| 9     |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chirp Center Frequency: 5502.6MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 16          | 83.6            | 1632.0     | 1195.0     | 1000.0     |
| 2     | 3                | 16          | 89.4            | 1173.0     | 1627.0     | 1656.0     |
| 3     | 1                | 16          | 55.8            | 1532.0     | -          | -          |
| 4     | 3                | 16          | 90.9            | 1981.0     | 1554.0     | 1998.0     |
| 5     | 1                | 16          | 54.7            | 1825.0     | -          | -          |
| 6     | 3                | 16          | 97.7            | 1734.0     | 1202.0     | 1250.0     |
| 7     | 2                | 16          | 67.5            | 1571.0     | 1434.0     | -          |
| 8     | 3                | 16          | 96.7            | 1589.0     | 1469.0     | 1268.0     |
| 9     | 2                | 16          | 68.3            | 1750.0     | 1954.0     | -          |
| 10    | 2                | 16          | 78.3            | 1591.0     | 1082.0     | -          |
| 11    | 1                | 16          | 55.0            | 1427.0     | -          | -          |
| 12    | 3                | 16          | 84.9            | 1129.0     | 1936.0     | 1199.0     |
| 13    | 2                | 16          | 74.6            | 1959.0     | 1856.0     | -          |
| 14    | 1                | 16          | 63.3            | 1885.0     | -          | -          |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 15 | 3 | 16 | 99.8 | 1035.0 | 1515.0 | 1120.0 |
| 16 | 1 | 16 | 63.6 | 1647.0 | -      | -      |
| 17 | 3 | 16 | 87.3 | 1931.0 | 1051.0 | 1831.0 |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5501.4MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 85.6            | 1946.0     | 1078.0     | 1015.0     |
| 2     | 2                | 19          | 68.6            | 1029.0     | 1780.0     | -          |
| 3     | 1                | 19          | 54.2            | 1111.0     | -          | -          |
| 4     | 1                | 19          | 61.2            | 1104.0     | -          | -          |
| 5     | 3                | 19          | 97.1            | 1157.0     | 1969.0     | 1100.0     |
| 6     | 3                | 19          | 98.3            | 1142.0     | 1699.0     | 1622.0     |
| 7     | 1                | 19          | 62.4            | 1655.0     | -          | -          |
| 8     | 2                | 19          | 80.2            | 1126.0     | 1769.0     | -          |
| 9     | 3                | 19          | 87.5            | 1216.0     | 1448.0     | 1179.0     |
| 10    | 3                | 19          | 85.8            | 1847.0     | 1348.0     | 1472.0     |
| 11    | 3                | 19          | 88.1            | 1023.0     | 1124.0     | 1631.0     |
| 12    | 1                | 19          | 65.3            | 1848.0     | -          | -          |
| 13    | 1                | 19          | 52.5            | 1470.0     | -          | -          |
| 14    | 1                | 19          | 52.3            | 1312.0     | -          | -          |
| 15    | 2                | 19          | 74.1            | 1915.0     | 1200.0     | -          |
| 16    | 1                | 19          | 54.9            | 1479.0     | -          | -          |
| 17    | 2                | 19          | 76.2            | 1376.0     | 1502.0     | -          |
| 18    | 1                | 19          | 60.4            | 1758.0     | -          | -          |
| 19    | 2                | 19          | 81.5            | 1491.0     | 1103.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chirp Center Frequency: 5505.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 10          | 50.5            | 1857.0     | -          | -          |
| 2     | 1                | 10          | 55.7            | 1246.0     | -          | -          |
| 3     | 3                | 10          | 85.8            | 1774.0     | 1002.0     | 1967.0     |
| 4     | 2                | 10          | 76.9            | 1125.0     | 1474.0     | -          |
| 5     | 2                | 10          | 75.1            | 1254.0     | 1052.0     | -          |
| 6     | 3                | 10          | 92.3            | 1180.0     | 1486.0     | 1492.0     |
| 7     | 2                | 10          | 78.1            | 1301.0     | 1757.0     | -          |
| 8     | 3                | 10          | 92.2            | 1898.0     | 1252.0     | 1713.0     |
| 9     | 3                | 10          | 89.0            | 1260.0     | 1706.0     | 1411.0     |
| 10    | 2                | 10          | 70.9            | 1578.0     | 1620.0     | -          |
| 11    | 1                | 10          | 63.1            | 1782.0     | -          | -          |
| 12    | 1                | 10          | 55.3            | 1522.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5502.2MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 83.4            | 1454.0     | 1205.0     | 1801.0     |
| 2     | 3                | 17          | 97.3            | 1319.0     | 1826.0     | 1635.0     |
| 3     | 3                | 17          | 90.4            | 1079.0     | 1986.0     | 1674.0     |
| 4     | 3                | 17          | 91.8            | 1563.0     | 1151.0     | 1802.0     |
| 5     | 3                | 17          | 98.2            | 1876.0     | 1977.0     | 1766.0     |
| 6     | 1                | 17          | 59.5            | 1952.0     | -          | -          |
| 7     | 2                | 17          | 80.0            | 1253.0     | 1137.0     | -          |
| 8     | 3                | 17          | 86.5            | 1054.0     | 1128.0     | 1828.0     |
| 9     | 3                | 17          | 91.1            | 1105.0     | 1599.0     | 1442.0     |
| 10    | 3                | 17          | 93.5            | 1867.0     | 1373.0     | 1087.0     |
| 11    | 1                | 17          | 60.7            | 1033.0     | -          | -          |
| 12    | 2                | 17          | 67.2            | 1288.0     | 1405.0     | -          |
| 13    | 1                | 17          | 61.8            | 1585.0     | -          | -          |
| 14    | 2                | 17          | 79.4            | 1933.0     | 1667.0     | -          |
| 15    | 2                | 17          | 81.4            | 1096.0     | 1464.0     | -          |
| 16    | 1                | 17          | 65.7            | 1496.0     | -          | -          |
| 17    | 2                | 17          | 76.0            | 1733.0     | 1255.0     | -          |
| 18    | 2                | 17          | 81.0            | 1326.0     | 1668.0     | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

| Type 6 Radar Statistical Performances |                  |                 |         |                       |
|---------------------------------------|------------------|-----------------|---------|-----------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection             |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                   |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                   |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                   |
|                                       |                  |                 |         | Detection Rate: 100 % |

| Type 6 Radar Statistical Performances |                                 |                       |
|---------------------------------------|---------------------------------|-----------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection             |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                   |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                   |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                   |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                   |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                   |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                   |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                   |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                   |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                   |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                   |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                   |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                   |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                   |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                   |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                   |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                   |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                   |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                   |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                   |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                   |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                   |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                   |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                   |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                   |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                   |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                   |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                   |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                   |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                   |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                   |
|                                       |                                 | Detection Rate: 100 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.594G            | 2    | 5.685G            | 3    | 5.361G            | 4    | 5.582G            |
| 5                                                | 5.699G            | 6    | 5.598G            | 7    | 5.352G            | 8    | 5.301G            |
| 9                                                | 5.658G            | 10   | 5.311G            | 11   | 5.696G            | 12   | 5.278G            |
| 13                                               | 5.529G            | 14   | 5.462G            | 15   | 5.313G            | 16   | 5.655G            |
| 17                                               | 5.523G            | 18   | 5.390G            | 19   | 5.282G            | 20   | 5.273G            |
| 21                                               | 5.339G            | 22   | 5.595G            | 23   | 5.434G            | 24   | 5.300G            |
| 25                                               | 5.351G            | 26   | 5.617G            | 27   | 5.250G            | 28   | 5.436G            |
| 29                                               | 5.605G            | 30   | 5.508G            | 31   | 5.307G            | 32   | 5.636G            |
| 33                                               | 5.294G            | 34   | 5.401G            | 35   | 5.601G            | 36   | 5.460G            |
| 37                                               | 5.587G            | 38   | 5.324G            | 39   | 5.314G            | 40   | 5.349G            |
| 41                                               | 5.654G            | 42   | 5.576G            | 43   | 5.432G            | 44   | 5.413G            |
| 45                                               | 5.538G            | 46   | 5.336G            | 47   | 5.378G            | 48   | 5.702G            |
| 49                                               | 5.542G            | 50   | 5.417G            | 51   | 5.723G            | 52   | 5.374G            |
| 53                                               | 5.535G            | 54   | 5.485G            | 55   | 5.302G            | 56   | 5.635G            |
| 57                                               | 5.384G            | 58   | 5.503G            | 59   | 5.387G            | 60   | 5.575G            |
| 61                                               | 5.465G            | 62   | 5.297G            | 63   | 5.440G            | 64   | 5.602G            |
| 65                                               | 5.691G            | 66   | 5.715G            | 67   | 5.565G            | 68   | 5.579G            |
| 69                                               | 5.698G            | 70   | 5.500G            | 71   | 5.252G            | 72   | 5.649G            |
| 73                                               | 5.272G            | 74   | 5.589G            | 75   | 5.711G            | 76   | 5.712G            |
| 77                                               | 5.359G            | 78   | 5.592G            | 79   | 5.624G            | 80   | 5.671G            |
| 81                                               | 5.545G            | 82   | 5.402G            | 83   | 5.445G            | 84   | 5.514G            |
| 85                                               | 5.549G            | 86   | 5.291G            | 87   | 5.317G            | 88   | 5.299G            |
| 89                                               | 5.501G            | 90   | 5.554G            | 91   | 5.293G            | 92   | 5.285G            |
| 93                                               | 5.546G            | 94   | 5.253G            | 95   | 5.379G            | 96   | 5.551G            |
| 97                                               | 5.350G            | 98   | 5.550G            | 99   | 5.447G            | 100  | 5.358G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.376G            | 2    | 5.709G            | 3    | 5.610G            | 4    | 5.380G            |
| 5                                                | 5.421G            | 6    | 5.506G            | 7    | 5.294G            | 8    | 5.373G            |
| 9                                                | 5.669G            | 10   | 5.716G            | 11   | 5.589G            | 12   | 5.307G            |
| 13                                               | 5.429G            | 14   | 5.651G            | 15   | 5.275G            | 16   | 5.478G            |
| 17                                               | 5.720G            | 18   | 5.667G            | 19   | 5.272G            | 20   | 5.534G            |
| 21                                               | 5.629G            | 22   | 5.405G            | 23   | 5.447G            | 24   | 5.543G            |
| 25                                               | 5.495G            | 26   | 5.279G            | 27   | 5.719G            | 28   | 5.444G            |
| 29                                               | 5.578G            | 30   | 5.512G            | 31   | 5.408G            | 32   | 5.250G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 33 | 5.263G | 34 | 5.372G | 35 | 5.295G | 36  | 5.433G |
| 37 | 5.445G | 38 | 5.586G | 39 | 5.609G | 40  | 5.381G |
| 41 | 5.661G | 42 | 5.655G | 43 | 5.469G | 44  | 5.273G |
| 45 | 5.497G | 46 | 5.717G | 47 | 5.356G | 48  | 5.611G |
| 49 | 5.422G | 50 | 5.439G | 51 | 5.620G | 52  | 5.260G |
| 53 | 5.350G | 54 | 5.282G | 55 | 5.666G | 56  | 5.701G |
| 57 | 5.575G | 58 | 5.633G | 59 | 5.472G | 60  | 5.367G |
| 61 | 5.454G | 62 | 5.416G | 63 | 5.508G | 64  | 5.340G |
| 65 | 5.718G | 66 | 5.561G | 67 | 5.283G | 68  | 5.274G |
| 69 | 5.514G | 70 | 5.568G | 71 | 5.361G | 72  | 5.605G |
| 73 | 5.715G | 74 | 5.639G | 75 | 5.576G | 76  | 5.658G |
| 77 | 5.379G | 78 | 5.300G | 79 | 5.482G | 80  | 5.311G |
| 81 | 5.265G | 82 | 5.501G | 83 | 5.523G | 84  | 5.480G |
| 85 | 5.479G | 86 | 5.722G | 87 | 5.335G | 88  | 5.359G |
| 89 | 5.413G | 90 | 5.425G | 91 | 5.516G | 92  | 5.532G |
| 93 | 5.407G | 94 | 5.343G | 95 | 5.419G | 96  | 5.703G |
| 97 | 5.711G | 98 | 5.527G | 99 | 5.695G | 100 | 5.546G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.357G            | 2    | 5.382G            | 3    | 5.464G            | 4    | 5.556G            |
| 5                                                | 5.456G            | 6    | 5.458G            | 7    | 5.300G            | 8    | 5.616G            |
| 9                                                | 5.582G            | 10   | 5.499G            | 11   | 5.618G            | 12   | 5.402G            |
| 13                                               | 5.250G            | 14   | 5.684G            | 15   | 5.620G            | 16   | 5.723G            |
| 17                                               | 5.265G            | 18   | 5.379G            | 19   | 5.632G            | 20   | 5.486G            |
| 21                                               | 5.606G            | 22   | 5.496G            | 23   | 5.507G            | 24   | 5.411G            |
| 25                                               | 5.598G            | 26   | 5.435G            | 27   | 5.587G            | 28   | 5.373G            |
| 29                                               | 5.381G            | 30   | 5.344G            | 31   | 5.672G            | 32   | 5.480G            |
| 33                                               | 5.455G            | 34   | 5.296G            | 35   | 5.715G            | 36   | 5.409G            |
| 37                                               | 5.371G            | 38   | 5.539G            | 39   | 5.336G            | 40   | 5.557G            |
| 41                                               | 5.506G            | 42   | 5.254G            | 43   | 5.669G            | 44   | 5.405G            |
| 45                                               | 5.420G            | 46   | 5.714G            | 47   | 5.528G            | 48   | 5.701G            |
| 49                                               | 5.363G            | 50   | 5.626G            | 51   | 5.438G            | 52   | 5.542G            |
| 53                                               | 5.685G            | 54   | 5.568G            | 55   | 5.599G            | 56   | 5.595G            |
| 57                                               | 5.299G            | 58   | 5.580G            | 59   | 5.416G            | 60   | 5.372G            |
| 61                                               | 5.312G            | 62   | 5.629G            | 63   | 5.561G            | 64   | 5.393G            |
| 65                                               | 5.307G            | 66   | 5.313G            | 67   | 5.414G            | 68   | 5.417G            |
| 69                                               | 5.696G            | 70   | 5.719G            | 71   | 5.690G            | 72   | 5.627G            |
| 73                                               | 5.617G            | 74   | 5.636G            | 75   | 5.404G            | 76   | 5.593G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 77 | 5.678G | 78 | 5.399G | 79 | 5.491G | 80  | 5.304G |
| 81 | 5.643G | 82 | 5.608G | 83 | 5.392G | 84  | 5.263G |
| 85 | 5.589G | 86 | 5.466G | 87 | 5.425G | 88  | 5.553G |
| 89 | 5.707G | 90 | 5.453G | 91 | 5.332G | 92  | 5.590G |
| 93 | 5.594G | 94 | 5.272G | 95 | 5.328G | 96  | 5.708G |
| 97 | 5.449G | 98 | 5.298G | 99 | 5.348G | 100 | 5.365G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.665G            | 2    | 5.500G            | 3    | 5.273G            | 4    | 5.495G            |
| 5                                                | 5.656G            | 6    | 5.481G            | 7    | 5.396G            | 8    | 5.355G            |
| 9                                                | 5.567G            | 10   | 5.431G            | 11   | 5.337G            | 12   | 5.473G            |
| 13                                               | 5.504G            | 14   | 5.320G            | 15   | 5.520G            | 16   | 5.685G            |
| 17                                               | 5.574G            | 18   | 5.638G            | 19   | 5.477G            | 20   | 5.306G            |
| 21                                               | 5.357G            | 22   | 5.255G            | 23   | 5.679G            | 24   | 5.258G            |
| 25                                               | 5.720G            | 26   | 5.564G            | 27   | 5.523G            | 28   | 5.696G            |
| 29                                               | 5.445G            | 30   | 5.290G            | 31   | 5.503G            | 32   | 5.681G            |
| 33                                               | 5.310G            | 34   | 5.446G            | 35   | 5.385G            | 36   | 5.551G            |
| 37                                               | 5.578G            | 38   | 5.279G            | 39   | 5.457G            | 40   | 5.430G            |
| 41                                               | 5.484G            | 42   | 5.657G            | 43   | 5.558G            | 44   | 5.518G            |
| 45                                               | 5.709G            | 46   | 5.492G            | 47   | 5.552G            | 48   | 5.597G            |
| 49                                               | 5.710G            | 50   | 5.527G            | 51   | 5.605G            | 52   | 5.266G            |
| 53                                               | 5.331G            | 54   | 5.300G            | 55   | 5.704G            | 56   | 5.667G            |
| 57                                               | 5.405G            | 58   | 5.352G            | 59   | 5.723G            | 60   | 5.269G            |
| 61                                               | 5.475G            | 62   | 5.659G            | 63   | 5.347G            | 64   | 5.555G            |
| 65                                               | 5.458G            | 66   | 5.628G            | 67   | 5.722G            | 68   | 5.646G            |
| 69                                               | 5.630G            | 70   | 5.340G            | 71   | 5.448G            | 72   | 5.391G            |
| 73                                               | 5.435G            | 74   | 5.612G            | 75   | 5.272G            | 76   | 5.314G            |
| 77                                               | 5.327G            | 78   | 5.476G            | 79   | 5.386G            | 80   | 5.381G            |
| 81                                               | 5.617G            | 82   | 5.443G            | 83   | 5.345G            | 84   | 5.607G            |
| 85                                               | 5.631G            | 86   | 5.374G            | 87   | 5.260G            | 88   | 5.261G            |
| 89                                               | 5.714G            | 90   | 5.287G            | 91   | 5.680G            | 92   | 5.451G            |
| 93                                               | 5.541G            | 94   | 5.265G            | 95   | 5.294G            | 96   | 5.399G            |
| 97                                               | 5.377G            | 98   | 5.432G            | 99   | 5.307G            | 100  | 5.707G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.388G            | 2    | 5.353G            | 3    | 5.492G            | 4    | 5.545G            |
| 5                                                | 5.604G            | 6    | 5.585G            | 7    | 5.355G            | 8    | 5.720G            |
| 9                                                | 5.570G            | 10   | 5.403G            | 11   | 5.454G            | 12   | 5.258G            |
| 13                                               | 5.326G            | 14   | 5.573G            | 15   | 5.342G            | 16   | 5.562G            |
| 17                                               | 5.327G            | 18   | 5.348G            | 19   | 5.634G            | 20   | 5.499G            |
| 21                                               | 5.537G            | 22   | 5.451G            | 23   | 5.554G            | 24   | 5.260G            |
| 25                                               | 5.672G            | 26   | 5.627G            | 27   | 5.300G            | 28   | 5.712G            |
| 29                                               | 5.268G            | 30   | 5.603G            | 31   | 5.558G            | 32   | 5.387G            |
| 33                                               | 5.669G            | 34   | 5.619G            | 35   | 5.701G            | 36   | 5.504G            |
| 37                                               | 5.675G            | 38   | 5.709G            | 39   | 5.394G            | 40   | 5.589G            |
| 41                                               | 5.312G            | 42   | 5.459G            | 43   | 5.686G            | 44   | 5.599G            |
| 45                                               | 5.722G            | 46   | 5.445G            | 47   | 5.255G            | 48   | 5.270G            |
| 49                                               | 5.616G            | 50   | 5.567G            | 51   | 5.252G            | 52   | 5.430G            |
| 53                                               | 5.421G            | 54   | 5.310G            | 55   | 5.593G            | 56   | 5.569G            |
| 57                                               | 5.291G            | 58   | 5.611G            | 59   | 5.439G            | 60   | 5.356G            |
| 61                                               | 5.704G            | 62   | 5.538G            | 63   | 5.346G            | 64   | 5.607G            |
| 65                                               | 5.267G            | 66   | 5.295G            | 67   | 5.651G            | 68   | 5.527G            |
| 69                                               | 5.621G            | 70   | 5.311G            | 71   | 5.695G            | 72   | 5.697G            |
| 73                                               | 5.413G            | 74   | 5.693G            | 75   | 5.340G            | 76   | 5.673G            |
| 77                                               | 5.516G            | 78   | 5.321G            | 79   | 5.706G            | 80   | 5.333G            |
| 81                                               | 5.638G            | 82   | 5.301G            | 83   | 5.515G            | 84   | 5.389G            |
| 85                                               | 5.602G            | 86   | 5.698G            | 87   | 5.415G            | 88   | 5.369G            |
| 89                                               | 5.436G            | 90   | 5.711G            | 91   | 5.262G            | 92   | 5.650G            |
| 93                                               | 5.450G            | 94   | 5.419G            | 95   | 5.580G            | 96   | 5.282G            |
| 97                                               | 5.305G            | 98   | 5.618G            | 99   | 5.399G            | 100  | 5.581G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.501G            | 2    | 5.702G            | 3    | 5.543G            | 4    | 5.629G            |
| 5                                                | 5.576G            | 6    | 5.687G            | 7    | 5.402G            | 8    | 5.504G            |
| 9                                                | 5.487G            | 10   | 5.293G            | 11   | 5.266G            | 12   | 5.562G            |
| 13                                               | 5.276G            | 14   | 5.282G            | 15   | 5.531G            | 16   | 5.535G            |
| 17                                               | 5.649G            | 18   | 5.361G            | 19   | 5.430G            | 20   | 5.529G            |
| 21                                               | 5.485G            | 22   | 5.523G            | 23   | 5.723G            | 24   | 5.471G            |
| 25                                               | 5.719G            | 26   | 5.253G            | 27   | 5.257G            | 28   | 5.414G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.601G | 30 | 5.621G | 31 | 5.579G | 32  | 5.600G |
| 33 | 5.708G | 34 | 5.469G | 35 | 5.566G | 36  | 5.552G |
| 37 | 5.653G | 38 | 5.612G | 39 | 5.306G | 40  | 5.557G |
| 41 | 5.550G | 42 | 5.321G | 43 | 5.682G | 44  | 5.415G |
| 45 | 5.305G | 46 | 5.505G | 47 | 5.701G | 48  | 5.433G |
| 49 | 5.657G | 50 | 5.404G | 51 | 5.551G | 52  | 5.545G |
| 53 | 5.264G | 54 | 5.339G | 55 | 5.685G | 56  | 5.442G |
| 57 | 5.399G | 58 | 5.636G | 59 | 5.556G | 60  | 5.525G |
| 61 | 5.381G | 62 | 5.666G | 63 | 5.420G | 64  | 5.389G |
| 65 | 5.628G | 66 | 5.397G | 67 | 5.617G | 68  | 5.400G |
| 69 | 5.313G | 70 | 5.391G | 71 | 5.440G | 72  | 5.615G |
| 73 | 5.474G | 74 | 5.307G | 75 | 5.463G | 76  | 5.611G |
| 77 | 5.398G | 78 | 5.340G | 79 | 5.534G | 80  | 5.330G |
| 81 | 5.546G | 82 | 5.284G | 83 | 5.537G | 84  | 5.625G |
| 85 | 5.296G | 86 | 5.259G | 87 | 5.299G | 88  | 5.401G |
| 89 | 5.382G | 90 | 5.547G | 91 | 5.492G | 92  | 5.518G |
| 93 | 5.443G | 94 | 5.376G | 95 | 5.457G | 96  | 5.473G |
| 97 | 5.470G | 98 | 5.539G | 99 | 5.603G | 100 | 5.290G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.471G            | 2    | 5.572G            | 3    | 5.333G            | 4    | 5.307G            |
| 5                                                | 5.392G            | 6    | 5.555G            | 7    | 5.469G            | 8    | 5.531G            |
| 9                                                | 5.523G            | 10   | 5.339G            | 11   | 5.686G            | 12   | 5.538G            |
| 13                                               | 5.512G            | 14   | 5.520G            | 15   | 5.713G            | 16   | 5.621G            |
| 17                                               | 5.660G            | 18   | 5.434G            | 19   | 5.613G            | 20   | 5.430G            |
| 21                                               | 5.387G            | 22   | 5.589G            | 23   | 5.273G            | 24   | 5.385G            |
| 25                                               | 5.299G            | 26   | 5.619G            | 27   | 5.458G            | 28   | 5.563G            |
| 29                                               | 5.679G            | 30   | 5.446G            | 31   | 5.399G            | 32   | 5.321G            |
| 33                                               | 5.297G            | 34   | 5.647G            | 35   | 5.432G            | 36   | 5.668G            |
| 37                                               | 5.271G            | 38   | 5.503G            | 39   | 5.353G            | 40   | 5.290G            |
| 41                                               | 5.376G            | 42   | 5.326G            | 43   | 5.500G            | 44   | 5.675G            |
| 45                                               | 5.316G            | 46   | 5.580G            | 47   | 5.501G            | 48   | 5.677G            |
| 49                                               | 5.554G            | 50   | 5.415G            | 51   | 5.709G            | 52   | 5.498G            |
| 53                                               | 5.528G            | 54   | 5.288G            | 55   | 5.449G            | 56   | 5.630G            |
| 57                                               | 5.417G            | 58   | 5.536G            | 59   | 5.255G            | 60   | 5.639G            |
| 61                                               | 5.669G            | 62   | 5.482G            | 63   | 5.324G            | 64   | 5.591G            |
| 65                                               | 5.452G            | 66   | 5.502G            | 67   | 5.567G            | 68   | 5.542G            |
| 69                                               | 5.251G            | 70   | 5.718G            | 71   | 5.436G            | 72   | 5.695G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.348G | 74 | 5.525G | 75 | 5.358G | 76  | 5.466G |
| 77 | 5.470G | 78 | 5.712G | 79 | 5.314G | 80  | 5.394G |
| 81 | 5.263G | 82 | 5.391G | 83 | 5.625G | 84  | 5.483G |
| 85 | 5.666G | 86 | 5.537G | 87 | 5.517G | 88  | 5.653G |
| 89 | 5.429G | 90 | 5.305G | 91 | 5.607G | 92  | 5.298G |
| 93 | 5.284G | 94 | 5.687G | 95 | 5.426G | 96  | 5.623G |
| 97 | 5.453G | 98 | 5.388G | 99 | 5.673G | 100 | 5.608G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.673G            | 2    | 5.401G            | 3    | 5.697G            | 4    | 5.716G            |
| 5                                                | 5.619G            | 6    | 5.251G            | 7    | 5.708G            | 8    | 5.499G            |
| 9                                                | 5.294G            | 10   | 5.565G            | 11   | 5.300G            | 12   | 5.593G            |
| 13                                               | 5.567G            | 14   | 5.549G            | 15   | 5.581G            | 16   | 5.598G            |
| 17                                               | 5.364G            | 18   | 5.571G            | 19   | 5.720G            | 20   | 5.589G            |
| 21                                               | 5.486G            | 22   | 5.534G            | 23   | 5.301G            | 24   | 5.569G            |
| 25                                               | 5.487G            | 26   | 5.652G            | 27   | 5.703G            | 28   | 5.586G            |
| 29                                               | 5.426G            | 30   | 5.509G            | 31   | 5.514G            | 32   | 5.525G            |
| 33                                               | 5.590G            | 34   | 5.453G            | 35   | 5.513G            | 36   | 5.685G            |
| 37                                               | 5.398G            | 38   | 5.602G            | 39   | 5.632G            | 40   | 5.377G            |
| 41                                               | 5.459G            | 42   | 5.664G            | 43   | 5.686G            | 44   | 5.408G            |
| 45                                               | 5.292G            | 46   | 5.307G            | 47   | 5.706G            | 48   | 5.387G            |
| 49                                               | 5.696G            | 50   | 5.298G            | 51   | 5.717G            | 52   | 5.721G            |
| 53                                               | 5.478G            | 54   | 5.381G            | 55   | 5.563G            | 56   | 5.468G            |
| 57                                               | 5.416G            | 58   | 5.325G            | 59   | 5.382G            | 60   | 5.680G            |
| 61                                               | 5.670G            | 62   | 5.681G            | 63   | 5.545G            | 64   | 5.316G            |
| 65                                               | 5.639G            | 66   | 5.614G            | 67   | 5.512G            | 68   | 5.419G            |
| 69                                               | 5.272G            | 70   | 5.302G            | 71   | 5.331G            | 72   | 5.659G            |
| 73                                               | 5.679G            | 74   | 5.526G            | 75   | 5.592G            | 76   | 5.576G            |
| 77                                               | 5.719G            | 78   | 5.397G            | 79   | 5.653G            | 80   | 5.551G            |
| 81                                               | 5.395G            | 82   | 5.353G            | 83   | 5.498G            | 84   | 5.405G            |
| 85                                               | 5.692G            | 86   | 5.374G            | 87   | 5.368G            | 88   | 5.434G            |
| 89                                               | 5.492G            | 90   | 5.271G            | 91   | 5.601G            | 92   | 5.273G            |
| 93                                               | 5.475G            | 94   | 5.322G            | 95   | 5.612G            | 96   | 5.350G            |
| 97                                               | 5.362G            | 98   | 5.517G            | 99   | 5.683G            | 100  | 5.712G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.263G            | 2    | 5.355G            | 3    | 5.702G            | 4    | 5.382G            |
| 5                                                | 5.577G            | 6    | 5.648G            | 7    | 5.265G            | 8    | 5.516G            |
| 9                                                | 5.491G            | 10   | 5.566G            | 11   | 5.692G            | 12   | 5.363G            |
| 13                                               | 5.319G            | 14   | 5.469G            | 15   | 5.448G            | 16   | 5.507G            |
| 17                                               | 5.414G            | 18   | 5.708G            | 19   | 5.348G            | 20   | 5.644G            |
| 21                                               | 5.620G            | 22   | 5.449G            | 23   | 5.314G            | 24   | 5.674G            |
| 25                                               | 5.597G            | 26   | 5.723G            | 27   | 5.389G            | 28   | 5.509G            |
| 29                                               | 5.353G            | 30   | 5.317G            | 31   | 5.675G            | 32   | 5.392G            |
| 33                                               | 5.574G            | 34   | 5.568G            | 35   | 5.352G            | 36   | 5.659G            |
| 37                                               | 5.250G            | 38   | 5.408G            | 39   | 5.704G            | 40   | 5.681G            |
| 41                                               | 5.256G            | 42   | 5.388G            | 43   | 5.718G            | 44   | 5.466G            |
| 45                                               | 5.661G            | 46   | 5.270G            | 47   | 5.432G            | 48   | 5.683G            |
| 49                                               | 5.299G            | 50   | 5.627G            | 51   | 5.506G            | 52   | 5.343G            |
| 53                                               | 5.486G            | 54   | 5.366G            | 55   | 5.385G            | 56   | 5.406G            |
| 57                                               | 5.713G            | 58   | 5.709G            | 59   | 5.641G            | 60   | 5.714G            |
| 61                                               | 5.647G            | 62   | 5.460G            | 63   | 5.360G            | 64   | 5.544G            |
| 65                                               | 5.259G            | 66   | 5.722G            | 67   | 5.273G            | 68   | 5.457G            |
| 69                                               | 5.344G            | 70   | 5.303G            | 71   | 5.576G            | 72   | 5.498G            |
| 73                                               | 5.422G            | 74   | 5.439G            | 75   | 5.587G            | 76   | 5.454G            |
| 77                                               | 5.435G            | 78   | 5.676G            | 79   | 5.415G            | 80   | 5.285G            |
| 81                                               | 5.578G            | 82   | 5.545G            | 83   | 5.412G            | 84   | 5.624G            |
| 85                                               | 5.417G            | 86   | 5.530G            | 87   | 5.667G            | 88   | 5.338G            |
| 89                                               | 5.612G            | 90   | 5.266G            | 91   | 5.337G            | 92   | 5.476G            |
| 93                                               | 5.588G            | 94   | 5.690G            | 95   | 5.345G            | 96   | 5.482G            |
| 97                                               | 5.444G            | 98   | 5.295G            | 99   | 5.419G            | 100  | 5.426G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.302G            | 2    | 5.691G            | 3    | 5.421G            | 4    | 5.695G            |
| 5                                                | 5.673G            | 6    | 5.539G            | 7    | 5.484G            | 8    | 5.367G            |
| 9                                                | 5.665G            | 10   | 5.344G            | 11   | 5.590G            | 12   | 5.321G            |
| 13                                               | 5.305G            | 14   | 5.292G            | 15   | 5.576G            | 16   | 5.718G            |
| 17                                               | 5.328G            | 18   | 5.573G            | 19   | 5.361G            | 20   | 5.331G            |
| 21                                               | 5.708G            | 22   | 5.516G            | 23   | 5.338G            | 24   | 5.629G            |
| 25                                               | 5.680G            | 26   | 5.415G            | 27   | 5.351G            | 28   | 5.264G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.528G | 30 | 5.488G | 31 | 5.561G | 32  | 5.541G |
| 33 | 5.563G | 34 | 5.723G | 35 | 5.411G | 36  | 5.591G |
| 37 | 5.621G | 38 | 5.668G | 39 | 5.659G | 40  | 5.623G |
| 41 | 5.323G | 42 | 5.373G | 43 | 5.630G | 44  | 5.538G |
| 45 | 5.717G | 46 | 5.453G | 47 | 5.451G | 48  | 5.520G |
| 49 | 5.505G | 50 | 5.575G | 51 | 5.641G | 52  | 5.554G |
| 53 | 5.587G | 54 | 5.669G | 55 | 5.314G | 56  | 5.420G |
| 57 | 5.645G | 58 | 5.459G | 59 | 5.664G | 60  | 5.329G |
| 61 | 5.567G | 62 | 5.464G | 63 | 5.359G | 64  | 5.706G |
| 65 | 5.596G | 66 | 5.434G | 67 | 5.482G | 68  | 5.313G |
| 69 | 5.676G | 70 | 5.529G | 71 | 5.369G | 72  | 5.504G |
| 73 | 5.388G | 74 | 5.315G | 75 | 5.435G | 76  | 5.483G |
| 77 | 5.282G | 78 | 5.704G | 79 | 5.337G | 80  | 5.307G |
| 81 | 5.465G | 82 | 5.412G | 83 | 5.477G | 84  | 5.372G |
| 85 | 5.447G | 86 | 5.322G | 87 | 5.617G | 88  | 5.707G |
| 89 | 5.506G | 90 | 5.310G | 91 | 5.517G | 92  | 5.527G |
| 93 | 5.526G | 94 | 5.425G | 95 | 5.709G | 96  | 5.386G |
| 97 | 5.540G | 98 | 5.259G | 99 | 5.558G | 100 | 5.345G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.654G            | 2    | 5.398G            | 3    | 5.470G            | 4    | 5.660G            |
| 5                                                | 5.519G            | 6    | 5.321G            | 7    | 5.527G            | 8    | 5.513G            |
| 9                                                | 5.293G            | 10   | 5.600G            | 11   | 5.440G            | 12   | 5.302G            |
| 13                                               | 5.363G            | 14   | 5.491G            | 15   | 5.637G            | 16   | 5.450G            |
| 17                                               | 5.457G            | 18   | 5.683G            | 19   | 5.390G            | 20   | 5.535G            |
| 21                                               | 5.388G            | 22   | 5.546G            | 23   | 5.472G            | 24   | 5.534G            |
| 25                                               | 5.386G            | 26   | 5.595G            | 27   | 5.543G            | 28   | 5.394G            |
| 29                                               | 5.471G            | 30   | 5.320G            | 31   | 5.634G            | 32   | 5.458G            |
| 33                                               | 5.719G            | 34   | 5.566G            | 35   | 5.407G            | 36   | 5.677G            |
| 37                                               | 5.565G            | 38   | 5.524G            | 39   | 5.716G            | 40   | 5.681G            |
| 41                                               | 5.718G            | 42   | 5.486G            | 43   | 5.496G            | 44   | 5.709G            |
| 45                                               | 5.481G            | 46   | 5.482G            | 47   | 5.655G            | 48   | 5.572G            |
| 49                                               | 5.377G            | 50   | 5.704G            | 51   | 5.373G            | 52   | 5.528G            |
| 53                                               | 5.706G            | 54   | 5.666G            | 55   | 5.622G            | 56   | 5.614G            |
| 57                                               | 5.627G            | 58   | 5.349G            | 59   | 5.515G            | 60   | 5.422G            |
| 61                                               | 5.501G            | 62   | 5.617G            | 63   | 5.253G            | 64   | 5.281G            |
| 65                                               | 5.287G            | 66   | 5.526G            | 67   | 5.542G            | 68   | 5.673G            |
| 69                                               | 5.261G            | 70   | 5.498G            | 71   | 5.435G            | 72   | 5.480G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.705G | 74 | 5.668G | 75 | 5.618G | 76  | 5.536G |
| 77 | 5.484G | 78 | 5.529G | 79 | 5.343G | 80  | 5.374G |
| 81 | 5.339G | 82 | 5.552G | 83 | 5.478G | 84  | 5.475G |
| 85 | 5.446G | 86 | 5.329G | 87 | 5.620G | 88  | 5.447G |
| 89 | 5.341G | 90 | 5.304G | 91 | 5.588G | 92  | 5.591G |
| 93 | 5.477G | 94 | 5.664G | 95 | 5.334G | 96  | 5.357G |
| 97 | 5.667G | 98 | 5.579G | 99 | 5.506G | 100 | 5.412G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.675G            | 2    | 5.480G            | 3    | 5.267G            | 4    | 5.630G            |
| 5                                                | 5.596G            | 6    | 5.633G            | 7    | 5.253G            | 8    | 5.317G            |
| 9                                                | 5.273G            | 10   | 5.362G            | 11   | 5.522G            | 12   | 5.594G            |
| 13                                               | 5.642G            | 14   | 5.547G            | 15   | 5.503G            | 16   | 5.672G            |
| 17                                               | 5.449G            | 18   | 5.316G            | 19   | 5.569G            | 20   | 5.555G            |
| 21                                               | 5.498G            | 22   | 5.710G            | 23   | 5.722G            | 24   | 5.682G            |
| 25                                               | 5.308G            | 26   | 5.598G            | 27   | 5.276G            | 28   | 5.495G            |
| 29                                               | 5.493G            | 30   | 5.593G            | 31   | 5.643G            | 32   | 5.377G            |
| 33                                               | 5.670G            | 34   | 5.294G            | 35   | 5.369G            | 36   | 5.714G            |
| 37                                               | 5.516G            | 38   | 5.648G            | 39   | 5.357G            | 40   | 5.621G            |
| 41                                               | 5.264G            | 42   | 5.261G            | 43   | 5.504G            | 44   | 5.392G            |
| 45                                               | 5.295G            | 46   | 5.334G            | 47   | 5.439G            | 48   | 5.305G            |
| 49                                               | 5.581G            | 50   | 5.624G            | 51   | 5.272G            | 52   | 5.297G            |
| 53                                               | 5.488G            | 54   | 5.629G            | 55   | 5.304G            | 56   | 5.368G            |
| 57                                               | 5.391G            | 58   | 5.379G            | 59   | 5.274G            | 60   | 5.263G            |
| 61                                               | 5.687G            | 62   | 5.285G            | 63   | 5.639G            | 64   | 5.347G            |
| 65                                               | 5.640G            | 66   | 5.579G            | 67   | 5.278G            | 68   | 5.705G            |
| 69                                               | 5.491G            | 70   | 5.250G            | 71   | 5.592G            | 72   | 5.344G            |
| 73                                               | 5.560G            | 74   | 5.321G            | 75   | 5.646G            | 76   | 5.563G            |
| 77                                               | 5.339G            | 78   | 5.453G            | 79   | 5.677G            | 80   | 5.507G            |
| 81                                               | 5.605G            | 82   | 5.617G            | 83   | 5.389G            | 84   | 5.462G            |
| 85                                               | 5.378G            | 86   | 5.390G            | 87   | 5.583G            | 88   | 5.469G            |
| 89                                               | 5.338G            | 90   | 5.568G            | 91   | 5.448G            | 92   | 5.329G            |
| 93                                               | 5.388G            | 94   | 5.380G            | 95   | 5.564G            | 96   | 5.418G            |
| 97                                               | 5.668G            | 98   | 5.303G            | 99   | 5.693G            | 100  | 5.404G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.553G            | 2    | 5.630G            | 3    | 5.296G            | 4    | 5.685G            |
| 5                                                | 5.719G            | 6    | 5.441G            | 7    | 5.582G            | 8    | 5.386G            |
| 9                                                | 5.563G            | 10   | 5.689G            | 11   | 5.663G            | 12   | 5.610G            |
| 13                                               | 5.456G            | 14   | 5.352G            | 15   | 5.524G            | 16   | 5.586G            |
| 17                                               | 5.435G            | 18   | 5.270G            | 19   | 5.353G            | 20   | 5.534G            |
| 21                                               | 5.575G            | 22   | 5.470G            | 23   | 5.465G            | 24   | 5.671G            |
| 25                                               | 5.278G            | 26   | 5.604G            | 27   | 5.406G            | 28   | 5.475G            |
| 29                                               | 5.652G            | 30   | 5.550G            | 31   | 5.381G            | 32   | 5.443G            |
| 33                                               | 5.531G            | 34   | 5.307G            | 35   | 5.411G            | 36   | 5.634G            |
| 37                                               | 5.412G            | 38   | 5.568G            | 39   | 5.709G            | 40   | 5.626G            |
| 41                                               | 5.339G            | 42   | 5.621G            | 43   | 5.469G            | 44   | 5.327G            |
| 45                                               | 5.560G            | 46   | 5.501G            | 47   | 5.362G            | 48   | 5.314G            |
| 49                                               | 5.640G            | 50   | 5.667G            | 51   | 5.650G            | 52   | 5.710G            |
| 53                                               | 5.287G            | 54   | 5.544G            | 55   | 5.500G            | 56   | 5.617G            |
| 57                                               | 5.419G            | 58   | 5.334G            | 59   | 5.683G            | 60   | 5.533G            |
| 61                                               | 5.678G            | 62   | 5.447G            | 63   | 5.497G            | 64   | 5.715G            |
| 65                                               | 5.397G            | 66   | 5.356G            | 67   | 5.450G            | 68   | 5.658G            |
| 69                                               | 5.257G            | 70   | 5.618G            | 71   | 5.635G            | 72   | 5.696G            |
| 73                                               | 5.448G            | 74   | 5.371G            | 75   | 5.514G            | 76   | 5.579G            |
| 77                                               | 5.496G            | 78   | 5.439G            | 79   | 5.330G            | 80   | 5.250G            |
| 81                                               | 5.698G            | 82   | 5.482G            | 83   | 5.651G            | 84   | 5.564G            |
| 85                                               | 5.429G            | 86   | 5.494G            | 87   | 5.616G            | 88   | 5.676G            |
| 89                                               | 5.251G            | 90   | 5.253G            | 91   | 5.272G            | 92   | 5.644G            |
| 93                                               | 5.393G            | 94   | 5.628G            | 95   | 5.313G            | 96   | 5.665G            |
| 97                                               | 5.446G            | 98   | 5.624G            | 99   | 5.389G            | 100  | 5.484G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.580G            | 2    | 5.447G            | 3    | 5.392G            | 4    | 5.691G            |
| 5                                                | 5.576G            | 6    | 5.444G            | 7    | 5.397G            | 8    | 5.477G            |
| 9                                                | 5.296G            | 10   | 5.288G            | 11   | 5.323G            | 12   | 5.608G            |
| 13                                               | 5.325G            | 14   | 5.313G            | 15   | 5.307G            | 16   | 5.350G            |
| 17                                               | 5.345G            | 18   | 5.396G            | 19   | 5.367G            | 20   | 5.648G            |
| 21                                               | 5.717G            | 22   | 5.577G            | 23   | 5.373G            | 24   | 5.401G            |
| 25                                               | 5.537G            | 26   | 5.438G            | 27   | 5.375G            | 28   | 5.689G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.501G | 30 | 5.498G | 31 | 5.380G | 32  | 5.439G |
| 33 | 5.340G | 34 | 5.645G | 35 | 5.348G | 36  | 5.636G |
| 37 | 5.533G | 38 | 5.437G | 39 | 5.329G | 40  | 5.291G |
| 41 | 5.363G | 42 | 5.278G | 43 | 5.298G | 44  | 5.255G |
| 45 | 5.667G | 46 | 5.379G | 47 | 5.626G | 48  | 5.354G |
| 49 | 5.374G | 50 | 5.364G | 51 | 5.299G | 52  | 5.552G |
| 53 | 5.609G | 54 | 5.459G | 55 | 5.508G | 56  | 5.516G |
| 57 | 5.641G | 58 | 5.446G | 59 | 5.661G | 60  | 5.700G |
| 61 | 5.633G | 62 | 5.346G | 63 | 5.337G | 64  | 5.642G |
| 65 | 5.388G | 66 | 5.265G | 67 | 5.586G | 68  | 5.435G |
| 69 | 5.318G | 70 | 5.674G | 71 | 5.623G | 72  | 5.594G |
| 73 | 5.272G | 74 | 5.680G | 75 | 5.565G | 76  | 5.721G |
| 77 | 5.341G | 78 | 5.338G | 79 | 5.562G | 80  | 5.409G |
| 81 | 5.614G | 82 | 5.369G | 83 | 5.475G | 84  | 5.544G |
| 85 | 5.649G | 86 | 5.411G | 87 | 5.327G | 88  | 5.651G |
| 89 | 5.500G | 90 | 5.520G | 91 | 5.257G | 92  | 5.551G |
| 93 | 5.583G | 94 | 5.424G | 95 | 5.541G | 96  | 5.723G |
| 97 | 5.601G | 98 | 5.322G | 99 | 5.620G | 100 | 5.557G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.634G            | 2    | 5.567G            | 3    | 5.338G            | 4    | 5.557G            |
| 5                                                | 5.457G            | 6    | 5.390G            | 7    | 5.337G            | 8    | 5.443G            |
| 9                                                | 5.667G            | 10   | 5.418G            | 11   | 5.452G            | 12   | 5.349G            |
| 13                                               | 5.485G            | 14   | 5.437G            | 15   | 5.287G            | 16   | 5.377G            |
| 17                                               | 5.324G            | 18   | 5.583G            | 19   | 5.306G            | 20   | 5.578G            |
| 21                                               | 5.712G            | 22   | 5.684G            | 23   | 5.588G            | 24   | 5.343G            |
| 25                                               | 5.267G            | 26   | 5.657G            | 27   | 5.651G            | 28   | 5.496G            |
| 29                                               | 5.478G            | 30   | 5.671G            | 31   | 5.367G            | 32   | 5.462G            |
| 33                                               | 5.609G            | 34   | 5.624G            | 35   | 5.255G            | 36   | 5.332G            |
| 37                                               | 5.399G            | 38   | 5.703G            | 39   | 5.385G            | 40   | 5.545G            |
| 41                                               | 5.436G            | 42   | 5.266G            | 43   | 5.469G            | 44   | 5.560G            |
| 45                                               | 5.273G            | 46   | 5.431G            | 47   | 5.401G            | 48   | 5.600G            |
| 49                                               | 5.364G            | 50   | 5.687G            | 51   | 5.561G            | 52   | 5.625G            |
| 53                                               | 5.284G            | 54   | 5.468G            | 55   | 5.422G            | 56   | 5.376G            |
| 57                                               | 5.497G            | 58   | 5.615G            | 59   | 5.659G            | 60   | 5.523G            |
| 61                                               | 5.341G            | 62   | 5.455G            | 63   | 5.409G            | 64   | 5.479G            |
| 65                                               | 5.481G            | 66   | 5.498G            | 67   | 5.280G            | 68   | 5.704G            |
| 69                                               | 5.713G            | 70   | 5.470G            | 71   | 5.366G            | 72   | 5.356G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.416G | 74 | 5.607G | 75 | 5.256G | 76  | 5.454G |
| 77 | 5.275G | 78 | 5.420G | 79 | 5.421G | 80  | 5.627G |
| 81 | 5.714G | 82 | 5.542G | 83 | 5.281G | 84  | 5.289G |
| 85 | 5.359G | 86 | 5.311G | 87 | 5.573G | 88  | 5.645G |
| 89 | 5.623G | 90 | 5.690G | 91 | 5.296G | 92  | 5.465G |
| 93 | 5.373G | 94 | 5.509G | 95 | 5.369G | 96  | 5.282G |
| 97 | 5.372G | 98 | 5.348G | 99 | 5.547G | 100 | 5.681G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.301G            | 2    | 5.473G            | 3    | 5.670G            | 4    | 5.364G            |
| 5                                                | 5.667G            | 6    | 5.471G            | 7    | 5.477G            | 8    | 5.508G            |
| 9                                                | 5.556G            | 10   | 5.320G            | 11   | 5.359G            | 12   | 5.558G            |
| 13                                               | 5.314G            | 14   | 5.581G            | 15   | 5.624G            | 16   | 5.656G            |
| 17                                               | 5.446G            | 18   | 5.502G            | 19   | 5.303G            | 20   | 5.361G            |
| 21                                               | 5.655G            | 22   | 5.485G            | 23   | 5.531G            | 24   | 5.406G            |
| 25                                               | 5.719G            | 26   | 5.565G            | 27   | 5.421G            | 28   | 5.657G            |
| 29                                               | 5.677G            | 30   | 5.307G            | 31   | 5.313G            | 32   | 5.537G            |
| 33                                               | 5.648G            | 34   | 5.542G            | 35   | 5.724G            | 36   | 5.689G            |
| 37                                               | 5.264G            | 38   | 5.611G            | 39   | 5.343G            | 40   | 5.405G            |
| 41                                               | 5.649G            | 42   | 5.414G            | 43   | 5.682G            | 44   | 5.325G            |
| 45                                               | 5.341G            | 46   | 5.296G            | 47   | 5.390G            | 48   | 5.614G            |
| 49                                               | 5.260G            | 50   | 5.567G            | 51   | 5.294G            | 52   | 5.444G            |
| 53                                               | 5.384G            | 54   | 5.275G            | 55   | 5.606G            | 56   | 5.460G            |
| 57                                               | 5.457G            | 58   | 5.373G            | 59   | 5.277G            | 60   | 5.713G            |
| 61                                               | 5.284G            | 62   | 5.602G            | 63   | 5.413G            | 64   | 5.478G            |
| 65                                               | 5.647G            | 66   | 5.544G            | 67   | 5.660G            | 68   | 5.626G            |
| 69                                               | 5.609G            | 70   | 5.439G            | 71   | 5.548G            | 72   | 5.358G            |
| 73                                               | 5.585G            | 74   | 5.643G            | 75   | 5.319G            | 76   | 5.597G            |
| 77                                               | 5.526G            | 78   | 5.554G            | 79   | 5.372G            | 80   | 5.493G            |
| 81                                               | 5.271G            | 82   | 5.340G            | 83   | 5.286G            | 84   | 5.506G            |
| 85                                               | 5.367G            | 86   | 5.662G            | 87   | 5.678G            | 88   | 5.467G            |
| 89                                               | 5.309G            | 90   | 5.424G            | 91   | 5.536G            | 92   | 5.632G            |
| 93                                               | 5.703G            | 94   | 5.386G            | 95   | 5.651G            | 96   | 5.570G            |
| 97                                               | 5.716G            | 98   | 5.253G            | 99   | 5.644G            | 100  | 5.491G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.291G            | 2    | 5.604G            | 3    | 5.711G            | 4    | 5.721G            |
| 5                                                | 5.310G            | 6    | 5.283G            | 7    | 5.413G            | 8    | 5.623G            |
| 9                                                | 5.595G            | 10   | 5.570G            | 11   | 5.603G            | 12   | 5.338G            |
| 13                                               | 5.416G            | 14   | 5.439G            | 15   | 5.432G            | 16   | 5.523G            |
| 17                                               | 5.428G            | 18   | 5.468G            | 19   | 5.334G            | 20   | 5.656G            |
| 21                                               | 5.387G            | 22   | 5.611G            | 23   | 5.608G            | 24   | 5.385G            |
| 25                                               | 5.687G            | 26   | 5.363G            | 27   | 5.622G            | 28   | 5.682G            |
| 29                                               | 5.503G            | 30   | 5.696G            | 31   | 5.565G            | 32   | 5.336G            |
| 33                                               | 5.449G            | 34   | 5.321G            | 35   | 5.396G            | 36   | 5.300G            |
| 37                                               | 5.620G            | 38   | 5.599G            | 39   | 5.456G            | 40   | 5.673G            |
| 41                                               | 5.712G            | 42   | 5.315G            | 43   | 5.355G            | 44   | 5.613G            |
| 45                                               | 5.636G            | 46   | 5.590G            | 47   | 5.312G            | 48   | 5.557G            |
| 49                                               | 5.305G            | 50   | 5.380G            | 51   | 5.605G            | 52   | 5.384G            |
| 53                                               | 5.463G            | 54   | 5.400G            | 55   | 5.451G            | 56   | 5.643G            |
| 57                                               | 5.264G            | 58   | 5.724G            | 59   | 5.415G            | 60   | 5.640G            |
| 61                                               | 5.316G            | 62   | 5.579G            | 63   | 5.267G            | 64   | 5.375G            |
| 65                                               | 5.671G            | 66   | 5.547G            | 67   | 5.391G            | 68   | 5.318G            |
| 69                                               | 5.619G            | 70   | 5.537G            | 71   | 5.342G            | 72   | 5.271G            |
| 73                                               | 5.661G            | 74   | 5.542G            | 75   | 5.669G            | 76   | 5.710G            |
| 77                                               | 5.574G            | 78   | 5.586G            | 79   | 5.524G            | 80   | 5.378G            |
| 81                                               | 5.659G            | 82   | 5.423G            | 83   | 5.644G            | 84   | 5.258G            |
| 85                                               | 5.268G            | 86   | 5.377G            | 87   | 5.462G            | 88   | 5.529G            |
| 89                                               | 5.577G            | 90   | 5.684G            | 91   | 5.628G            | 92   | 5.648G            |
| 93                                               | 5.703G            | 94   | 5.543G            | 95   | 5.641G            | 96   | 5.531G            |
| 97                                               | 5.361G            | 98   | 5.365G            | 99   | 5.297G            | 100  | 5.362G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.289G            | 2    | 5.358G            | 3    | 5.453G            | 4    | 5.440G            |
| 5                                                | 5.312G            | 6    | 5.469G            | 7    | 5.701G            | 8    | 5.292G            |
| 9                                                | 5.309G            | 10   | 5.467G            | 11   | 5.342G            | 12   | 5.695G            |
| 13                                               | 5.525G            | 14   | 5.473G            | 15   | 5.569G            | 16   | 5.529G            |
| 17                                               | 5.334G            | 18   | 5.588G            | 19   | 5.532G            | 20   | 5.592G            |
| 21                                               | 5.443G            | 22   | 5.722G            | 23   | 5.454G            | 24   | 5.508G            |
| 25                                               | 5.378G            | 26   | 5.487G            | 27   | 5.338G            | 28   | 5.496G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.434G | 30 | 5.663G | 31 | 5.633G | 32  | 5.531G |
| 33 | 5.463G | 34 | 5.616G | 35 | 5.630G | 36  | 5.333G |
| 37 | 5.626G | 38 | 5.468G | 39 | 5.363G | 40  | 5.279G |
| 41 | 5.404G | 42 | 5.311G | 43 | 5.683G | 44  | 5.416G |
| 45 | 5.368G | 46 | 5.484G | 47 | 5.310G | 48  | 5.702G |
| 49 | 5.514G | 50 | 5.542G | 51 | 5.421G | 52  | 5.268G |
| 53 | 5.283G | 54 | 5.520G | 55 | 5.457G | 56  | 5.438G |
| 57 | 5.493G | 58 | 5.323G | 59 | 5.266G | 60  | 5.331G |
| 61 | 5.433G | 62 | 5.715G | 63 | 5.682G | 64  | 5.582G |
| 65 | 5.321G | 66 | 5.388G | 67 | 5.585G | 68  | 5.330G |
| 69 | 5.322G | 70 | 5.314G | 71 | 5.551G | 72  | 5.365G |
| 73 | 5.301G | 74 | 5.623G | 75 | 5.401G | 76  | 5.370G |
| 77 | 5.429G | 78 | 5.284G | 79 | 5.271G | 80  | 5.672G |
| 81 | 5.721G | 82 | 5.658G | 83 | 5.351G | 84  | 5.361G |
| 85 | 5.717G | 86 | 5.287G | 87 | 5.714G | 88  | 5.606G |
| 89 | 5.480G | 90 | 5.684G | 91 | 5.318G | 92  | 5.693G |
| 93 | 5.405G | 94 | 5.261G | 95 | 5.485G | 96  | 5.417G |
| 97 | 5.636G | 98 | 5.448G | 99 | 5.698G | 100 | 5.295G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.705G            | 2    | 5.525G            | 3    | 5.712G            | 4    | 5.547G            |
| 5                                                | 5.640G            | 6    | 5.681G            | 7    | 5.450G            | 8    | 5.352G            |
| 9                                                | 5.561G            | 10   | 5.469G            | 11   | 5.558G            | 12   | 5.674G            |
| 13                                               | 5.484G            | 14   | 5.536G            | 15   | 5.527G            | 16   | 5.444G            |
| 17                                               | 5.425G            | 18   | 5.327G            | 19   | 5.359G            | 20   | 5.570G            |
| 21                                               | 5.482G            | 22   | 5.512G            | 23   | 5.301G            | 24   | 5.330G            |
| 25                                               | 5.620G            | 26   | 5.355G            | 27   | 5.615G            | 28   | 5.318G            |
| 29                                               | 5.568G            | 30   | 5.313G            | 31   | 5.454G            | 32   | 5.552G            |
| 33                                               | 5.627G            | 34   | 5.542G            | 35   | 5.488G            | 36   | 5.545G            |
| 37                                               | 5.562G            | 38   | 5.716G            | 39   | 5.515G            | 40   | 5.508G            |
| 41                                               | 5.574G            | 42   | 5.315G            | 43   | 5.480G            | 44   | 5.294G            |
| 45                                               | 5.394G            | 46   | 5.537G            | 47   | 5.585G            | 48   | 5.328G            |
| 49                                               | 5.297G            | 50   | 5.688G            | 51   | 5.332G            | 52   | 5.581G            |
| 53                                               | 5.380G            | 54   | 5.576G            | 55   | 5.451G            | 56   | 5.284G            |
| 57                                               | 5.452G            | 58   | 5.422G            | 59   | 5.486G            | 60   | 5.507G            |
| 61                                               | 5.524G            | 62   | 5.575G            | 63   | 5.329G            | 64   | 5.283G            |
| 65                                               | 5.580G            | 66   | 5.291G            | 67   | 5.416G            | 68   | 5.643G            |
| 69                                               | 5.619G            | 70   | 5.589G            | 71   | 5.320G            | 72   | 5.711G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.434G | 74 | 5.473G | 75 | 5.555G | 76  | 5.504G |
| 77 | 5.541G | 78 | 5.260G | 79 | 5.461G | 80  | 5.350G |
| 81 | 5.715G | 82 | 5.456G | 83 | 5.679G | 84  | 5.676G |
| 85 | 5.638G | 86 | 5.478G | 87 | 5.288G | 88  | 5.277G |
| 89 | 5.393G | 90 | 5.466G | 91 | 5.341G | 92  | 5.386G |
| 93 | 5.666G | 94 | 5.453G | 95 | 5.337G | 96  | 5.358G |
| 97 | 5.455G | 98 | 5.413G | 99 | 5.254G | 100 | 5.414G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.380G            | 2    | 5.680G            | 3    | 5.652G            | 4    | 5.398G            |
| 5                                                | 5.386G            | 6    | 5.422G            | 7    | 5.353G            | 8    | 5.369G            |
| 9                                                | 5.283G            | 10   | 5.578G            | 11   | 5.468G            | 12   | 5.405G            |
| 13                                               | 5.645G            | 14   | 5.605G            | 15   | 5.642G            | 16   | 5.312G            |
| 17                                               | 5.449G            | 18   | 5.464G            | 19   | 5.370G            | 20   | 5.383G            |
| 21                                               | 5.539G            | 22   | 5.653G            | 23   | 5.389G            | 24   | 5.570G            |
| 25                                               | 5.723G            | 26   | 5.697G            | 27   | 5.639G            | 28   | 5.598G            |
| 29                                               | 5.450G            | 30   | 5.676G            | 31   | 5.553G            | 32   | 5.257G            |
| 33                                               | 5.621G            | 34   | 5.296G            | 35   | 5.604G            | 36   | 5.366G            |
| 37                                               | 5.618G            | 38   | 5.318G            | 39   | 5.537G            | 40   | 5.626G            |
| 41                                               | 5.611G            | 42   | 5.499G            | 43   | 5.270G            | 44   | 5.359G            |
| 45                                               | 5.647G            | 46   | 5.409G            | 47   | 5.679G            | 48   | 5.686G            |
| 49                                               | 5.620G            | 50   | 5.555G            | 51   | 5.658G            | 52   | 5.334G            |
| 53                                               | 5.475G            | 54   | 5.328G            | 55   | 5.377G            | 56   | 5.674G            |
| 57                                               | 5.264G            | 58   | 5.517G            | 59   | 5.385G            | 60   | 5.254G            |
| 61                                               | 5.397G            | 62   | 5.443G            | 63   | 5.478G            | 64   | 5.584G            |
| 65                                               | 5.648G            | 66   | 5.547G            | 67   | 5.378G            | 68   | 5.687G            |
| 69                                               | 5.519G            | 70   | 5.396G            | 71   | 5.518G            | 72   | 5.597G            |
| 73                                               | 5.702G            | 74   | 5.348G            | 75   | 5.581G            | 76   | 5.567G            |
| 77                                               | 5.271G            | 78   | 5.454G            | 79   | 5.325G            | 80   | 5.573G            |
| 81                                               | 5.552G            | 82   | 5.374G            | 83   | 5.293G            | 84   | 5.544G            |
| 85                                               | 5.282G            | 86   | 5.448G            | 87   | 5.309G            | 88   | 5.612G            |
| 89                                               | 5.395G            | 90   | 5.557G            | 91   | 5.575G            | 92   | 5.323G            |
| 93                                               | 5.319G            | 94   | 5.536G            | 95   | 5.722G            | 96   | 5.387G            |
| 97                                               | 5.551G            | 98   | 5.259G            | 99   | 5.298G            | 100  | 5.582G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.596G            | 2    | 5.649G            | 3    | 5.400G            | 4    | 5.522G            |
| 5                                                | 5.443G            | 6    | 5.391G            | 7    | 5.651G            | 8    | 5.535G            |
| 9                                                | 5.337G            | 10   | 5.268G            | 11   | 5.387G            | 12   | 5.587G            |
| 13                                               | 5.342G            | 14   | 5.274G            | 15   | 5.657G            | 16   | 5.351G            |
| 17                                               | 5.367G            | 18   | 5.565G            | 19   | 5.509G            | 20   | 5.523G            |
| 21                                               | 5.350G            | 22   | 5.280G            | 23   | 5.442G            | 24   | 5.584G            |
| 25                                               | 5.628G            | 26   | 5.422G            | 27   | 5.335G            | 28   | 5.372G            |
| 29                                               | 5.491G            | 30   | 5.462G            | 31   | 5.604G            | 32   | 5.363G            |
| 33                                               | 5.302G            | 34   | 5.658G            | 35   | 5.666G            | 36   | 5.578G            |
| 37                                               | 5.269G            | 38   | 5.263G            | 39   | 5.529G            | 40   | 5.308G            |
| 41                                               | 5.532G            | 42   | 5.287G            | 43   | 5.436G            | 44   | 5.528G            |
| 45                                               | 5.284G            | 46   | 5.689G            | 47   | 5.467G            | 48   | 5.665G            |
| 49                                               | 5.688G            | 50   | 5.333G            | 51   | 5.554G            | 52   | 5.722G            |
| 53                                               | 5.504G            | 54   | 5.285G            | 55   | 5.306G            | 56   | 5.551G            |
| 57                                               | 5.384G            | 58   | 5.580G            | 59   | 5.407G            | 60   | 5.361G            |
| 61                                               | 5.373G            | 62   | 5.676G            | 63   | 5.482G            | 64   | 5.347G            |
| 65                                               | 5.500G            | 66   | 5.710G            | 67   | 5.662G            | 68   | 5.623G            |
| 69                                               | 5.322G            | 70   | 5.612G            | 71   | 5.444G            | 72   | 5.429G            |
| 73                                               | 5.460G            | 74   | 5.629G            | 75   | 5.360G            | 76   | 5.313G            |
| 77                                               | 5.541G            | 78   | 5.416G            | 79   | 5.561G            | 80   | 5.619G            |
| 81                                               | 5.704G            | 82   | 5.300G            | 83   | 5.631G            | 84   | 5.611G            |
| 85                                               | 5.488G            | 86   | 5.618G            | 87   | 5.552G            | 88   | 5.250G            |
| 89                                               | 5.371G            | 90   | 5.258G            | 91   | 5.251G            | 92   | 5.633G            |
| 93                                               | 5.475G            | 94   | 5.639G            | 95   | 5.566G            | 96   | 5.632G            |
| 97                                               | 5.358G            | 98   | 5.617G            | 99   | 5.492G            | 100  | 5.498G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.494G            | 2    | 5.369G            | 3    | 5.704G            | 4    | 5.580G            |
| 5                                                | 5.497G            | 6    | 5.598G            | 7    | 5.462G            | 8    | 5.435G            |
| 9                                                | 5.459G            | 10   | 5.591G            | 11   | 5.559G            | 12   | 5.495G            |
| 13                                               | 5.302G            | 14   | 5.558G            | 15   | 5.609G            | 16   | 5.306G            |
| 17                                               | 5.632G            | 18   | 5.639G            | 19   | 5.425G            | 20   | 5.702G            |
| 21                                               | 5.252G            | 22   | 5.263G            | 23   | 5.427G            | 24   | 5.330G            |
| 25                                               | 5.316G            | 26   | 5.253G            | 27   | 5.687G            | 28   | 5.266G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.692G | 30 | 5.472G | 31 | 5.682G | 32  | 5.708G |
| 33 | 5.719G | 34 | 5.716G | 35 | 5.650G | 36  | 5.717G |
| 37 | 5.350G | 38 | 5.452G | 39 | 5.431G | 40  | 5.429G |
| 41 | 5.319G | 42 | 5.393G | 43 | 5.503G | 44  | 5.620G |
| 45 | 5.290G | 46 | 5.400G | 47 | 5.614G | 48  | 5.312G |
| 49 | 5.568G | 50 | 5.373G | 51 | 5.445G | 52  | 5.636G |
| 53 | 5.634G | 54 | 5.331G | 55 | 5.328G | 56  | 5.483G |
| 57 | 5.303G | 58 | 5.700G | 59 | 5.310G | 60  | 5.505G |
| 61 | 5.590G | 62 | 5.533G | 63 | 5.343G | 64  | 5.711G |
| 65 | 5.551G | 66 | 5.506G | 67 | 5.476G | 68  | 5.407G |
| 69 | 5.398G | 70 | 5.357G | 71 | 5.485G | 72  | 5.292G |
| 73 | 5.612G | 74 | 5.584G | 75 | 5.481G | 76  | 5.694G |
| 77 | 5.264G | 78 | 5.683G | 79 | 5.541G | 80  | 5.475G |
| 81 | 5.693G | 82 | 5.388G | 83 | 5.635G | 84  | 5.555G |
| 85 | 5.608G | 86 | 5.283G | 87 | 5.308G | 88  | 5.493G |
| 89 | 5.570G | 90 | 5.260G | 91 | 5.557G | 92  | 5.411G |
| 93 | 5.413G | 94 | 5.295G | 95 | 5.713G | 96  | 5.507G |
| 97 | 5.451G | 98 | 5.254G | 99 | 5.471G | 100 | 5.709G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.578G            | 2    | 5.505G            | 3    | 5.309G            | 4    | 5.599G            |
| 5                                                | 5.343G            | 6    | 5.532G            | 7    | 5.354G            | 8    | 5.671G            |
| 9                                                | 5.262G            | 10   | 5.602G            | 11   | 5.533G            | 12   | 5.250G            |
| 13                                               | 5.320G            | 14   | 5.632G            | 15   | 5.610G            | 16   | 5.308G            |
| 17                                               | 5.539G            | 18   | 5.717G            | 19   | 5.428G            | 20   | 5.707G            |
| 21                                               | 5.701G            | 22   | 5.442G            | 23   | 5.603G            | 24   | 5.375G            |
| 25                                               | 5.334G            | 26   | 5.706G            | 27   | 5.626G            | 28   | 5.702G            |
| 29                                               | 5.453G            | 30   | 5.703G            | 31   | 5.319G            | 32   | 5.478G            |
| 33                                               | 5.378G            | 34   | 5.520G            | 35   | 5.509G            | 36   | 5.447G            |
| 37                                               | 5.563G            | 38   | 5.678G            | 39   | 5.569G            | 40   | 5.346G            |
| 41                                               | 5.598G            | 42   | 5.596G            | 43   | 5.471G            | 44   | 5.680G            |
| 45                                               | 5.622G            | 46   | 5.306G            | 47   | 5.348G            | 48   | 5.468G            |
| 49                                               | 5.685G            | 50   | 5.633G            | 51   | 5.302G            | 52   | 5.665G            |
| 53                                               | 5.260G            | 54   | 5.494G            | 55   | 5.321G            | 56   | 5.480G            |
| 57                                               | 5.571G            | 58   | 5.661G            | 59   | 5.410G            | 60   | 5.394G            |
| 61                                               | 5.664G            | 62   | 5.570G            | 63   | 5.292G            | 64   | 5.630G            |
| 65                                               | 5.416G            | 66   | 5.545G            | 67   | 5.605G            | 68   | 5.639G            |
| 69                                               | 5.646G            | 70   | 5.593G            | 71   | 5.379G            | 72   | 5.648G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.487G | 74 | 5.625G | 75 | 5.450G | 76  | 5.301G |
| 77 | 5.637G | 78 | 5.549G | 79 | 5.503G | 80  | 5.564G |
| 81 | 5.353G | 82 | 5.662G | 83 | 5.623G | 84  | 5.565G |
| 85 | 5.548G | 86 | 5.467G | 87 | 5.700G | 88  | 5.445G |
| 89 | 5.257G | 90 | 5.360G | 91 | 5.357G | 92  | 5.543G |
| 93 | 5.363G | 94 | 5.519G | 95 | 5.377G | 96  | 5.463G |
| 97 | 5.432G | 98 | 5.328G | 99 | 5.427G | 100 | 5.281G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.551G            | 2    | 5.406G            | 3    | 5.488G            | 4    | 5.357G            |
| 5                                                | 5.539G            | 6    | 5.635G            | 7    | 5.633G            | 8    | 5.518G            |
| 9                                                | 5.672G            | 10   | 5.636G            | 11   | 5.527G            | 12   | 5.450G            |
| 13                                               | 5.601G            | 14   | 5.279G            | 15   | 5.651G            | 16   | 5.641G            |
| 17                                               | 5.699G            | 18   | 5.323G            | 19   | 5.555G            | 20   | 5.274G            |
| 21                                               | 5.421G            | 22   | 5.505G            | 23   | 5.399G            | 24   | 5.674G            |
| 25                                               | 5.317G            | 26   | 5.306G            | 27   | 5.292G            | 28   | 5.609G            |
| 29                                               | 5.254G            | 30   | 5.686G            | 31   | 5.309G            | 32   | 5.537G            |
| 33                                               | 5.307G            | 34   | 5.523G            | 35   | 5.288G            | 36   | 5.632G            |
| 37                                               | 5.320G            | 38   | 5.715G            | 39   | 5.398G            | 40   | 5.335G            |
| 41                                               | 5.340G            | 42   | 5.509G            | 43   | 5.613G            | 44   | 5.458G            |
| 45                                               | 5.703G            | 46   | 5.506G            | 47   | 5.353G            | 48   | 5.375G            |
| 49                                               | 5.504G            | 50   | 5.623G            | 51   | 5.409G            | 52   | 5.516G            |
| 53                                               | 5.269G            | 54   | 5.610G            | 55   | 5.431G            | 56   | 5.554G            |
| 57                                               | 5.682G            | 58   | 5.679G            | 59   | 5.625G            | 60   | 5.696G            |
| 61                                               | 5.325G            | 62   | 5.534G            | 63   | 5.701G            | 64   | 5.478G            |
| 65                                               | 5.411G            | 66   | 5.347G            | 67   | 5.638G            | 68   | 5.430G            |
| 69                                               | 5.272G            | 70   | 5.657G            | 71   | 5.298G            | 72   | 5.700G            |
| 73                                               | 5.480G            | 74   | 5.680G            | 75   | 5.416G            | 76   | 5.376G            |
| 77                                               | 5.646G            | 78   | 5.587G            | 79   | 5.395G            | 80   | 5.514G            |
| 81                                               | 5.467G            | 82   | 5.343G            | 83   | 5.627G            | 84   | 5.316G            |
| 85                                               | 5.622G            | 86   | 5.559G            | 87   | 5.637G            | 88   | 5.541G            |
| 89                                               | 5.469G            | 90   | 5.662G            | 91   | 5.465G            | 92   | 5.466G            |
| 93                                               | 5.714G            | 94   | 5.310G            | 95   | 5.295G            | 96   | 5.337G            |
| 97                                               | 5.675G            | 98   | 5.293G            | 99   | 5.608G            | 100  | 5.558G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.270G            | 2    | 5.280G            | 3    | 5.623G            | 4    | 5.597G            |
| 5                                                | 5.639G            | 6    | 5.290G            | 7    | 5.674G            | 8    | 5.438G            |
| 9                                                | 5.630G            | 10   | 5.284G            | 11   | 5.360G            | 12   | 5.389G            |
| 13                                               | 5.561G            | 14   | 5.530G            | 15   | 5.541G            | 16   | 5.604G            |
| 17                                               | 5.300G            | 18   | 5.704G            | 19   | 5.430G            | 20   | 5.564G            |
| 21                                               | 5.482G            | 22   | 5.675G            | 23   | 5.680G            | 24   | 5.590G            |
| 25                                               | 5.303G            | 26   | 5.268G            | 27   | 5.622G            | 28   | 5.508G            |
| 29                                               | 5.603G            | 30   | 5.474G            | 31   | 5.316G            | 32   | 5.497G            |
| 33                                               | 5.466G            | 34   | 5.660G            | 35   | 5.579G            | 36   | 5.450G            |
| 37                                               | 5.646G            | 38   | 5.415G            | 39   | 5.317G            | 40   | 5.707G            |
| 41                                               | 5.330G            | 42   | 5.322G            | 43   | 5.628G            | 44   | 5.484G            |
| 45                                               | 5.664G            | 46   | 5.700G            | 47   | 5.428G            | 48   | 5.371G            |
| 49                                               | 5.636G            | 50   | 5.377G            | 51   | 5.465G            | 52   | 5.481G            |
| 53                                               | 5.475G            | 54   | 5.665G            | 55   | 5.253G            | 56   | 5.591G            |
| 57                                               | 5.624G            | 58   | 5.609G            | 59   | 5.299G            | 60   | 5.440G            |
| 61                                               | 5.418G            | 62   | 5.384G            | 63   | 5.483G            | 64   | 5.582G            |
| 65                                               | 5.388G            | 66   | 5.666G            | 67   | 5.457G            | 68   | 5.708G            |
| 69                                               | 5.642G            | 70   | 5.411G            | 71   | 5.608G            | 72   | 5.627G            |
| 73                                               | 5.410G            | 74   | 5.499G            | 75   | 5.405G            | 76   | 5.544G            |
| 77                                               | 5.494G            | 78   | 5.718G            | 79   | 5.339G            | 80   | 5.442G            |
| 81                                               | 5.616G            | 82   | 5.261G            | 83   | 5.560G            | 84   | 5.373G            |
| 85                                               | 5.533G            | 86   | 5.263G            | 87   | 5.578G            | 88   | 5.509G            |
| 89                                               | 5.265G            | 90   | 5.691G            | 91   | 5.670G            | 92   | 5.369G            |
| 93                                               | 5.715G            | 94   | 5.283G            | 95   | 5.567G            | 96   | 5.407G            |
| 97                                               | 5.570G            | 98   | 5.645G            | 99   | 5.313G            | 100  | 5.306G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.416G            | 2    | 5.254G            | 3    | 5.482G            | 4    | 5.523G            |
| 5                                                | 5.395G            | 6    | 5.387G            | 7    | 5.407G            | 8    | 5.685G            |
| 9                                                | 5.382G            | 10   | 5.352G            | 11   | 5.704G            | 12   | 5.721G            |
| 13                                               | 5.466G            | 14   | 5.348G            | 15   | 5.477G            | 16   | 5.540G            |
| 17                                               | 5.302G            | 18   | 5.568G            | 19   | 5.450G            | 20   | 5.521G            |
| 21                                               | 5.708G            | 22   | 5.326G            | 23   | 5.600G            | 24   | 5.411G            |
| 25                                               | 5.606G            | 26   | 5.278G            | 27   | 5.535G            | 28   | 5.616G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.676G | 30 | 5.536G | 31 | 5.562G | 32  | 5.662G |
| 33 | 5.693G | 34 | 5.688G | 35 | 5.396G | 36  | 5.461G |
| 37 | 5.251G | 38 | 5.417G | 39 | 5.627G | 40  | 5.598G |
| 41 | 5.338G | 42 | 5.555G | 43 | 5.552G | 44  | 5.362G |
| 45 | 5.608G | 46 | 5.316G | 47 | 5.647G | 48  | 5.397G |
| 49 | 5.646G | 50 | 5.331G | 51 | 5.534G | 52  | 5.250G |
| 53 | 5.720G | 54 | 5.480G | 55 | 5.304G | 56  | 5.611G |
| 57 | 5.663G | 58 | 5.405G | 59 | 5.446G | 60  | 5.700G |
| 61 | 5.603G | 62 | 5.515G | 63 | 5.497G | 64  | 5.341G |
| 65 | 5.299G | 66 | 5.376G | 67 | 5.410G | 68  | 5.545G |
| 69 | 5.294G | 70 | 5.711G | 71 | 5.325G | 72  | 5.285G |
| 73 | 5.287G | 74 | 5.644G | 75 | 5.705G | 76  | 5.690G |
| 77 | 5.577G | 78 | 5.363G | 79 | 5.381G | 80  | 5.588G |
| 81 | 5.557G | 82 | 5.436G | 83 | 5.543G | 84  | 5.378G |
| 85 | 5.453G | 86 | 5.589G | 87 | 5.273G | 88  | 5.615G |
| 89 | 5.503G | 90 | 5.559G | 91 | 5.398G | 92  | 5.621G |
| 93 | 5.379G | 94 | 5.394G | 95 | 5.699G | 96  | 5.619G |
| 97 | 5.452G | 98 | 5.502G | 99 | 5.270G | 100 | 5.255G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.338G            | 2    | 5.353G            | 3    | 5.309G            | 4    | 5.401G            |
| 5                                                | 5.349G            | 6    | 5.659G            | 7    | 5.709G            | 8    | 5.679G            |
| 9                                                | 5.683G            | 10   | 5.544G            | 11   | 5.280G            | 12   | 5.382G            |
| 13                                               | 5.580G            | 14   | 5.379G            | 15   | 5.607G            | 16   | 5.551G            |
| 17                                               | 5.514G            | 18   | 5.260G            | 19   | 5.479G            | 20   | 5.714G            |
| 21                                               | 5.699G            | 22   | 5.494G            | 23   | 5.292G            | 24   | 5.316G            |
| 25                                               | 5.571G            | 26   | 5.691G            | 27   | 5.444G            | 28   | 5.655G            |
| 29                                               | 5.390G            | 30   | 5.584G            | 31   | 5.430G            | 32   | 5.393G            |
| 33                                               | 5.562G            | 34   | 5.633G            | 35   | 5.274G            | 36   | 5.368G            |
| 37                                               | 5.325G            | 38   | 5.436G            | 39   | 5.589G            | 40   | 5.472G            |
| 41                                               | 5.441G            | 42   | 5.285G            | 43   | 5.276G            | 44   | 5.478G            |
| 45                                               | 5.632G            | 46   | 5.535G            | 47   | 5.253G            | 48   | 5.581G            |
| 49                                               | 5.399G            | 50   | 5.255G            | 51   | 5.624G            | 52   | 5.715G            |
| 53                                               | 5.327G            | 54   | 5.340G            | 55   | 5.596G            | 56   | 5.323G            |
| 57                                               | 5.635G            | 58   | 5.261G            | 59   | 5.431G            | 60   | 5.331G            |
| 61                                               | 5.265G            | 62   | 5.394G            | 63   | 5.381G            | 64   | 5.626G            |
| 65                                               | 5.453G            | 66   | 5.308G            | 67   | 5.448G            | 68   | 5.582G            |
| 69                                               | 5.525G            | 70   | 5.644G            | 71   | 5.541G            | 72   | 5.687G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.277G | 74 | 5.304G | 75 | 5.660G | 76  | 5.618G |
| 77 | 5.256G | 78 | 5.366G | 79 | 5.647G | 80  | 5.565G |
| 81 | 5.671G | 82 | 5.252G | 83 | 5.370G | 84  | 5.496G |
| 85 | 5.567G | 86 | 5.395G | 87 | 5.642G | 88  | 5.588G |
| 89 | 5.638G | 90 | 5.389G | 91 | 5.648G | 92  | 5.458G |
| 93 | 5.523G | 94 | 5.563G | 95 | 5.716G | 96  | 5.597G |
| 97 | 5.559G | 98 | 5.426G | 99 | 5.334G | 100 | 5.534G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.270G            | 2    | 5.282G            | 3    | 5.447G            | 4    | 5.316G            |
| 5                                                | 5.548G            | 6    | 5.334G            | 7    | 5.647G            | 8    | 5.576G            |
| 9                                                | 5.659G            | 10   | 5.314G            | 11   | 5.386G            | 12   | 5.345G            |
| 13                                               | 5.324G            | 14   | 5.290G            | 15   | 5.515G            | 16   | 5.597G            |
| 17                                               | 5.573G            | 18   | 5.470G            | 19   | 5.364G            | 20   | 5.712G            |
| 21                                               | 5.649G            | 22   | 5.461G            | 23   | 5.685G            | 24   | 5.320G            |
| 25                                               | 5.366G            | 26   | 5.413G            | 27   | 5.635G            | 28   | 5.411G            |
| 29                                               | 5.374G            | 30   | 5.351G            | 31   | 5.586G            | 32   | 5.286G            |
| 33                                               | 5.522G            | 34   | 5.390G            | 35   | 5.275G            | 36   | 5.349G            |
| 37                                               | 5.575G            | 38   | 5.258G            | 39   | 5.274G            | 40   | 5.662G            |
| 41                                               | 5.429G            | 42   | 5.658G            | 43   | 5.549G            | 44   | 5.449G            |
| 45                                               | 5.430G            | 46   | 5.634G            | 47   | 5.599G            | 48   | 5.695G            |
| 49                                               | 5.438G            | 50   | 5.454G            | 51   | 5.518G            | 52   | 5.384G            |
| 53                                               | 5.698G            | 54   | 5.525G            | 55   | 5.663G            | 56   | 5.672G            |
| 57                                               | 5.651G            | 58   | 5.279G            | 59   | 5.485G            | 60   | 5.631G            |
| 61                                               | 5.358G            | 62   | 5.406G            | 63   | 5.456G            | 64   | 5.622G            |
| 65                                               | 5.716G            | 66   | 5.620G            | 67   | 5.431G            | 68   | 5.460G            |
| 69                                               | 5.643G            | 70   | 5.359G            | 71   | 5.562G            | 72   | 5.288G            |
| 73                                               | 5.714G            | 74   | 5.289G            | 75   | 5.408G            | 76   | 5.572G            |
| 77                                               | 5.445G            | 78   | 5.577G            | 79   | 5.452G            | 80   | 5.371G            |
| 81                                               | 5.446G            | 82   | 5.262G            | 83   | 5.471G            | 84   | 5.656G            |
| 85                                               | 5.307G            | 86   | 5.574G            | 87   | 5.260G            | 88   | 5.362G            |
| 89                                               | 5.420G            | 90   | 5.674G            | 91   | 5.595G            | 92   | 5.629G            |
| 93                                               | 5.667G            | 94   | 5.387G            | 95   | 5.424G            | 96   | 5.709G            |
| 97                                               | 5.325G            | 98   | 5.507G            | 99   | 5.570G            | 100  | 5.513G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.578G            | 2    | 5.337G            | 3    | 5.417G            | 4    | 5.700G            |
| 5                                                | 5.342G            | 6    | 5.667G            | 7    | 5.428G            | 8    | 5.415G            |
| 9                                                | 5.639G            | 10   | 5.525G            | 11   | 5.526G            | 12   | 5.533G            |
| 13                                               | 5.261G            | 14   | 5.631G            | 15   | 5.545G            | 16   | 5.577G            |
| 17                                               | 5.612G            | 18   | 5.498G            | 19   | 5.393G            | 20   | 5.574G            |
| 21                                               | 5.550G            | 22   | 5.718G            | 23   | 5.298G            | 24   | 5.520G            |
| 25                                               | 5.255G            | 26   | 5.387G            | 27   | 5.356G            | 28   | 5.444G            |
| 29                                               | 5.448G            | 30   | 5.353G            | 31   | 5.668G            | 32   | 5.402G            |
| 33                                               | 5.414G            | 34   | 5.637G            | 35   | 5.676G            | 36   | 5.363G            |
| 37                                               | 5.445G            | 38   | 5.354G            | 39   | 5.403G            | 40   | 5.267G            |
| 41                                               | 5.703G            | 42   | 5.560G            | 43   | 5.559G            | 44   | 5.680G            |
| 45                                               | 5.506G            | 46   | 5.257G            | 47   | 5.365G            | 48   | 5.317G            |
| 49                                               | 5.454G            | 50   | 5.629G            | 51   | 5.260G            | 52   | 5.543G            |
| 53                                               | 5.673G            | 54   | 5.620G            | 55   | 5.389G            | 56   | 5.627G            |
| 57                                               | 5.661G            | 58   | 5.386G            | 59   | 5.645G            | 60   | 5.373G            |
| 61                                               | 5.623G            | 62   | 5.456G            | 63   | 5.606G            | 64   | 5.289G            |
| 65                                               | 5.658G            | 66   | 5.258G            | 67   | 5.584G            | 68   | 5.446G            |
| 69                                               | 5.483G            | 70   | 5.427G            | 71   | 5.399G            | 72   | 5.457G            |
| 73                                               | 5.642G            | 74   | 5.299G            | 75   | 5.603G            | 76   | 5.552G            |
| 77                                               | 5.495G            | 78   | 5.576G            | 79   | 5.715G            | 80   | 5.652G            |
| 81                                               | 5.449G            | 82   | 5.410G            | 83   | 5.626G            | 84   | 5.651G            |
| 85                                               | 5.538G            | 86   | 5.687G            | 87   | 5.346G            | 88   | 5.250G            |
| 89                                               | 5.692G            | 90   | 5.252G            | 91   | 5.322G            | 92   | 5.632G            |
| 93                                               | 5.659G            | 94   | 5.681G            | 95   | 5.585G            | 96   | 5.426G            |
| 97                                               | 5.635G            | 98   | 5.657G            | 99   | 5.704G            | 100  | 5.297G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.521G            | 2    | 5.365G            | 3    | 5.664G            | 4    | 5.548G            |
| 5                                                | 5.281G            | 6    | 5.534G            | 7    | 5.546G            | 8    | 5.276G            |
| 9                                                | 5.275G            | 10   | 5.292G            | 11   | 5.301G            | 12   | 5.597G            |
| 13                                               | 5.316G            | 14   | 5.595G            | 15   | 5.667G            | 16   | 5.641G            |
| 17                                               | 5.589G            | 18   | 5.269G            | 19   | 5.619G            | 20   | 5.611G            |
| 21                                               | 5.399G            | 22   | 5.274G            | 23   | 5.508G            | 24   | 5.333G            |
| 25                                               | 5.307G            | 26   | 5.605G            | 27   | 5.699G            | 28   | 5.604G            |
| 29                                               | 5.474G            | 30   | 5.435G            | 31   | 5.551G            | 32   | 5.693G            |
| 33                                               | 5.253G            | 34   | 5.700G            | 35   | 5.347G            | 36   | 5.405G            |
| 37                                               | 5.425G            | 38   | 5.309G            | 39   | 5.496G            | 40   | 5.343G            |
| 41                                               | 5.422G            | 42   | 5.341G            | 43   | 5.498G            | 44   | 5.433G            |
| 45                                               | 5.408G            | 46   | 5.633G            | 47   | 5.362G            | 48   | 5.639G            |
| 49                                               | 5.663G            | 50   | 5.550G            | 51   | 5.610G            | 52   | 5.487G            |
| 53                                               | 5.381G            | 54   | 5.349G            | 55   | 5.598G            | 56   | 5.657G            |
| 57                                               | 5.599G            | 58   | 5.300G            | 59   | 5.272G            | 60   | 5.383G            |
| 61                                               | 5.531G            | 62   | 5.560G            | 63   | 5.367G            | 64   | 5.417G            |
| 65                                               | 5.295G            | 66   | 5.661G            | 67   | 5.632G            | 68   | 5.557G            |
| 69                                               | 5.437G            | 70   | 5.416G            | 71   | 5.622G            | 72   | 5.704G            |
| 73                                               | 5.488G            | 74   | 5.370G            | 75   | 5.317G            | 76   | 5.583G            |
| 77                                               | 5.642G            | 78   | 5.407G            | 79   | 5.410G            | 80   | 5.715G            |
| 81                                               | 5.658G            | 82   | 5.466G            | 83   | 5.593G            | 84   | 5.532G            |
| 85                                               | 5.375G            | 86   | 5.252G            | 87   | 5.378G            | 88   | 5.578G            |
| 89                                               | 5.697G            | 90   | 5.413G            | 91   | 5.396G            | 92   | 5.293G            |
| 93                                               | 5.629G            | 94   | 5.371G            | 95   | 5.500G            | 96   | 5.411G            |
| 97                                               | 5.592G            | 98   | 5.460G            | 99   | 5.567G            | 100  | 5.288G            |

**IEEE 802.11n HT40****Type 1 Radar Statistical Performances**

| Trial # | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (µsec) | Radar Frequency (MHz) | Detection |
|---------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| 1       | 23                                         | 326.2                  | 18               | 3066       | 5491                  | Yes       |
| 2       | 9                                          | 1474.9                 | 78               | 678        | 5502                  | Yes       |
| 3       | 16                                         | 1222.5                 | 65               | 818        | 5516                  | Yes       |
| 4       | 5                                          | 1672.2                 | 89               | 598        | 5513                  | Yes       |
| 5       | 7                                          | 1567.4                 | 83               | 638        | 5495                  | Yes       |
| 6       | 15                                         | 1253.1                 | 67               | 798        | 5496                  | Yes       |
| 7       | 12                                         | 1355                   | 72               | 738        | 5508                  | Yes       |
| 8       | 20                                         | 1113.6                 | 59               | 898        | 5514                  | Yes       |
| 9       | 11                                         | 1392.8                 | 74               | 718        | 5520                  | Yes       |
| 10      | 3                                          | 1792.1                 | 95               | 558        | 5499                  | Yes       |
| 11      | 19                                         | 1139                   | 61               | 878        | 5507                  | Yes       |
| 12      | 17                                         | 1193.3                 | 63               | 838        | 5523                  | Yes       |
| 13      | 2                                          | 1858.7                 | 99               | 538        | 5512                  | Yes       |
| 14      | 8                                          | 1519.8                 | 81               | 658        | 5522                  | Yes       |
| 15      | 22                                         | 1066.1                 | 57               | 938        | 5527                  | Yes       |
| 16      |                                            |                        | 57               | 939        | 5509                  | Yes       |
| 17      |                                            |                        | 27               | 2004       | 5501                  | Yes       |
| 18      |                                            |                        | 34               | 1593       | 5498                  | No        |
| 19      |                                            |                        | 34               | 1571       | 5504                  | Yes       |
| 20      |                                            |                        | 63               | 848        | 5519                  | Yes       |
| 21      |                                            |                        | 20               | 2697       | 5511                  | Yes       |
| 22      |                                            |                        | 32               | 1693       | 5506                  | Yes       |
| 23      |                                            |                        | 30               | 1793       | 5492                  | Yes       |
| 24      |                                            |                        | 53               | 1011       | 5526                  | Yes       |
| 25      |                                            |                        | 19               | 2862       | 5529                  | Yes       |
| 26      |                                            |                        | 53               | 1003       | 5510                  | Yes       |
| 27      |                                            |                        | 20               | 2751       | 5497                  | Yes       |
| 28      |                                            |                        | 27               | 2029       | 5494                  | Yes       |
| 29      |                                            |                        | 70               | 754        | 5525                  | Yes       |
| 30      |                                            |                        | 43               | 1245       | 5515                  | Yes       |

Detection Rate: 96.67 %

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 29               | 4.9                | 210        | 5505                  | Yes       |
| 2                                     | 24               | 1.7                | 178        | 5529                  | Yes       |
| 3                                     | 25               | 2.1                | 173        | 5514                  | Yes       |
| 4                                     | 28               | 4                  | 222        | 5526                  | Yes       |
| 5                                     | 27               | 3.6                | 219        | 5495                  | Yes       |
| 6                                     | 29               | 5                  | 212        | 5496                  | Yes       |
| 7                                     | 29               | 4.9                | 176        | 5524                  | Yes       |
| 8                                     | 23               | 1.1                | 199        | 5511                  | Yes       |
| 9                                     | 23               | 1.2                | 162        | 5521                  | Yes       |
| 10                                    | 29               | 4.5                | 220        | 5499                  | Yes       |
| 11                                    | 29               | 5                  | 229        | 5518                  | Yes       |
| 12                                    | 29               | 5                  | 214        | 5512                  | Yes       |
| 13                                    | 25               | 2.4                | 153        | 5498                  | No        |
| 14                                    | 28               | 4.1                | 197        | 5501                  | Yes       |
| 15                                    | 24               | 2                  | 211        | 5528                  | Yes       |
| 16                                    | 29               | 4.6                | 190        | 5527                  | Yes       |
| 17                                    | 23               | 1                  | 213        | 5507                  | No        |
| 18                                    | 25               | 2.4                | 218        | 5517                  | Yes       |
| 19                                    | 26               | 3.2                | 215        | 5492                  | Yes       |
| 20                                    | 26               | 3.1                | 157        | 5516                  | No        |
| 21                                    | 25               | 2.7                | 168        | 5503                  | Yes       |
| 22                                    | 25               | 2.6                | 227        | 5523                  | Yes       |
| 23                                    | 24               | 2                  | 171        | 5513                  | Yes       |
| 24                                    | 23               | 1.1                | 158        | 5520                  | Yes       |
| 25                                    | 23               | 1                  | 167        | 5500                  | Yes       |
| 26                                    | 29               | 4.9                | 150        | 5509                  | Yes       |
| 27                                    | 29               | 4.8                | 191        | 5522                  | Yes       |
| 28                                    | 25               | 2.3                | 159        | 5504                  | No        |
| 29                                    | 28               | 4.3                | 226        | 5494                  | Yes       |
| 30                                    | 26               | 3.3                | 208        | 5491                  | Yes       |
| Detection Rate: 86.67 %               |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 9.9                | 235        | 5515                  | Yes       |
| 2                                     | 16               | 6.7                | 357        | 5527                  | Yes       |
| 3                                     | 16               | 7.1                | 333        | 5493                  | Yes       |
| 4                                     | 18               | 9                  | 242        | 5503                  | Yes       |
| 5                                     | 17               | 8.6                | 397        | 5513                  | Yes       |
| 6                                     | 18               | 10                 | 302        | 5496                  | Yes       |
| 7                                     | 18               | 9.9                | 203        | 5517                  | Yes       |
| 8                                     | 16               | 6.1                | 428        | 5505                  | Yes       |
| 9                                     | 16               | 6.2                | 335        | 5500                  | Yes       |
| 10                                    | 18               | 9.5                | 240        | 5511                  | No        |
| 11                                    | 18               | 10                 | 224        | 5525                  | Yes       |
| 12                                    | 18               | 10                 | 410        | 5491                  | Yes       |
| 13                                    | 17               | 7.4                | 359        | 5502                  | Yes       |
| 14                                    | 18               | 9.1                | 269        | 5504                  | Yes       |
| 15                                    | 16               | 7                  | 250        | 5514                  | Yes       |
| 16                                    | 18               | 9.6                | 247        | 5528                  | Yes       |
| 17                                    | 16               | 6                  | 222        | 5521                  | Yes       |
| 18                                    | 17               | 7.4                | 424        | 5508                  | Yes       |
| 19                                    | 17               | 8.2                | 393        | 5509                  | Yes       |
| 20                                    | 17               | 8.1                | 382        | 5494                  | Yes       |
| 21                                    | 17               | 7.7                | 486        | 5516                  | Yes       |
| 22                                    | 17               | 7.6                | 480        | 5495                  | Yes       |
| 23                                    | 16               | 7                  | 360        | 5520                  | Yes       |
| 24                                    | 16               | 6.1                | 297        | 5506                  | Yes       |
| 25                                    | 16               | 6                  | 265        | 5507                  | Yes       |
| 26                                    | 18               | 9.9                | 263        | 5497                  | Yes       |
| 27                                    | 18               | 9.8                | 324        | 5526                  | Yes       |
| 28                                    | 17               | 7.3                | 386        | 5501                  | Yes       |
| 29                                    | 18               | 9.3                | 311        | 5510                  | Yes       |
| 30                                    | 17               | 8.3                | 378        | 5512                  | Yes       |
| Detection Rate: 96.67 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 19.7               | 235        | 5495                  | Yes       |
| 2                                     | 12               | 12.7               | 357        | 5522                  | Yes       |
| 3                                     | 13               | 13.6               | 333        | 5508                  | Yes       |
| 4                                     | 15               | 17.7               | 242        | 5494                  | Yes       |
| 5                                     | 15               | 16.8               | 397        | 5520                  | Yes       |
| 6                                     | 16               | 20                 | 302        | 5514                  | Yes       |
| 7                                     | 16               | 19.7               | 203        | 5497                  | Yes       |
| 8                                     | 12               | 11.3               | 428        | 5498                  | Yes       |
| 9                                     | 12               | 11.5               | 335        | 5501                  | Yes       |
| 10                                    | 16               | 18.8               | 240        | 5509                  | Yes       |
| 11                                    | 16               | 20                 | 224        | 5499                  | No        |
| 12                                    | 16               | 20                 | 410        | 5526                  | Yes       |
| 13                                    | 13               | 14.2               | 359        | 5503                  | Yes       |
| 14                                    | 15               | 18                 | 269        | 5493                  | Yes       |
| 15                                    | 13               | 13.3               | 250        | 5517                  | Yes       |
| 16                                    | 16               | 19                 | 247        | 5502                  | Yes       |
| 17                                    | 12               | 11.1               | 222        | 5529                  | Yes       |
| 18                                    | 13               | 14.2               | 424        | 5515                  | Yes       |
| 19                                    | 14               | 15.9               | 393        | 5507                  | No        |
| 20                                    | 14               | 15.8               | 382        | 5510                  | Yes       |
| 21                                    | 14               | 14.8               | 486        | 5492                  | Yes       |
| 22                                    | 13               | 14.6               | 480        | 5512                  | Yes       |
| 23                                    | 13               | 13.2               | 360        | 5506                  | Yes       |
| 24                                    | 12               | 11.3               | 297        | 5516                  | Yes       |
| 25                                    | 12               | 11                 | 265        | 5518                  | Yes       |
| 26                                    | 16               | 19.6               | 263        | 5496                  | No        |
| 27                                    | 16               | 19.6               | 324        | 5511                  | Yes       |
| 28                                    | 13               | 14                 | 386        | 5528                  | Yes       |
| 29                                    | 16               | 18.3               | 311        | 5519                  | Yes       |
| 30                                    | 14               | 16.1               | 378        | 5521                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                         |
|---------------------------------------|------------------|-------------------------|
| Trial #                               | Test Signal Name | Detection               |
| 1                                     | LP_Signal_01     | Yes                     |
| 2                                     | LP_Signal_02     | Yes                     |
| 3                                     | LP_Signal_03     | Yes                     |
| 4                                     | LP_Signal_04     | Yes                     |
| 5                                     | LP_Signal_05     | Yes                     |
| 6                                     | LP_Signal_06     | Yes                     |
| 7                                     | LP_Signal_07     | Yes                     |
| 8                                     | LP_Signal_08     | Yes                     |
| 9                                     | LP_Signal_09     | Yes                     |
| 10                                    | LP_Signal_10     | Yes                     |
| 11                                    | LP_Signal_11     | Yes                     |
| 12                                    | LP_Signal_12     | Yes                     |
| 13                                    | LP_Signal_13     | Yes                     |
| 14                                    | LP_Signal_14     | Yes                     |
| 15                                    | LP_Signal_15     | Yes                     |
| 16                                    | LP_Signal_16     | Yes                     |
| 17                                    | LP_Signal_17     | Yes                     |
| 18                                    | LP_Signal_18     | Yes                     |
| 19                                    | LP_Signal_19     | Yes                     |
| 20                                    | LP_Signal_20     | Yes                     |
| 21                                    | LP_Signal_21     | Yes                     |
| 22                                    | LP_Signal_22     | Yes                     |
| 23                                    | LP_Signal_23     | Yes                     |
| 24                                    | LP_Signal_24     | Yes                     |
| 25                                    | LP_Signal_25     | Yes                     |
| 26                                    | LP_Signal_26     | Yes                     |
| 27                                    | LP_Signal_27     | Yes                     |
| 28                                    | LP_Signal_28     | Yes                     |
| 29                                    | LP_Signal_29     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 100.0 % |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_01<br>Number of Bursts in Trial: 15<br>Chirp Center Frequency 5510.0MHz |                  |             |                 |            |            |            |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                               | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                   | 2                | 13          | 77.8            | 1665.0     | 1477.0     | -          |
| 2                                                                                                                                   | 1                | 13          | 51.9            | 1074.0     | -          | -          |
| 3                                                                                                                                   | 1                | 13          | 63.8            | 1584.0     | -          | -          |
| 4                                                                                                                                   | 3                | 13          | 96.6            | 1682.0     | 1786.0     | 1843.0     |
| 5                                                                                                                                   | 3                | 13          | 85.9            | 1795.0     | 1215.0     | 1729.0     |
| 6                                                                                                                                   | 2                | 13          | 73.7            | 1198.0     | 1549.0     | -          |
| 7                                                                                                                                   | 2                | 13          | 77.2            | 1837.0     | 1819.0     | -          |
| 8                                                                                                                                   | 2                | 13          | 68.4            | 1587.0     | 1114.0     | -          |
| 9                                                                                                                                   | 2                | 13          | 76.7            | 2000.0     | 1155.0     | -          |
| 10                                                                                                                                  | 1                | 13          | 53.2            | 1147.0     | -          | -          |
| 11                                                                                                                                  | 3                | 13          | 85.7            | 1433.0     | 1695.0     | 1394.0     |
| 12                                                                                                                                  | 3                | 13          | 94.3            | 1670.0     | 1426.0     | 1935.0     |
| 13                                                                                                                                  | 2                | 13          | 77.6            | 1294.0     | 1671.0     | -          |
| 14                                                                                                                                  | 1                | 13          | 65.7            | 1512.0     | -          | -          |
| 15                                                                                                                                  | 3                | 13          | 93.5            | 1444.0     | 1130.0     | 1468.0     |
| 16                                                                                                                                  |                  |             |                 |            |            |            |
| 17                                                                                                                                  |                  |             |                 |            |            |            |
| 18                                                                                                                                  |                  |             |                 |            |            |            |
| 19                                                                                                                                  |                  |             |                 |            |            |            |
| 20                                                                                                                                  |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 8

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 75.0            | 1880.0     | 1527.0     | -          |
| 2     | 3                | 5           | 99.4            | 1401.0     | 1262.0     | 1257.0     |
| 3     | 2                | 5           | 67.4            | 1531.0     | 1403.0     | -          |
| 4     | 2                | 5           | 73.6            | 1449.0     | 1041.0     | -          |
| 5     | 1                | 5           | 65.9            | 1432.0     | -          | -          |
| 6     | 3                | 5           | 83.8            | 1356.0     | 1292.0     | 1419.0     |
| 7     | 1                | 5           | 65.5            | 1543.0     | -          | -          |
| 8     | 3                | 5           | 98.6            | 1548.0     | 1796.0     | 1728.0     |
| 9     |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 11

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 73.8            | 1806.0     | 1538.0     | -          |
| 2     | 2                | 9           | 69.5            | 1117.0     | 1649.0     | -          |
| 3     | 1                | 9           | 51.9            | 1651.0     | -          | -          |
| 4     | 3                | 9           | 84.6            | 1976.0     | 1032.0     | 1271.0     |
| 5     | 3                | 9           | 95.4            | 1060.0     | 1903.0     | 1388.0     |
| 6     | 2                | 9           | 68.0            | 1368.0     | 1351.0     | -          |
| 7     | 3                | 9           | 89.6            | 1338.0     | 1514.0     | 1573.0     |
| 8     | 2                | 9           | 81.9            | 1022.0     | 1689.0     | -          |
| 9     | 3                | 9           | 88.3            | 1810.0     | 1330.0     | 1838.0     |
| 10    | 1                | 9           | 53.7            | 1597.0     | -          | -          |
| 11    | 3                | 9           | 91.3            | 1961.0     | 1106.0     | 1001.0     |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 15 |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 20

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 19          | 68.1            | 1339.0     | 1355.0     | -          |
| 2     | 1                | 19          | 58.7            | 1251.0     | -          | -          |
| 3     | 2                | 19          | 75.3            | 1136.0     | 1640.0     | -          |
| 4     | 1                | 19          | 56.4            | 1753.0     | -          | -          |
| 5     | 3                | 19          | 99.7            | 1196.0     | 1708.0     | 1159.0     |
| 6     | 1                | 19          | 57.7            | 1013.0     | -          | -          |
| 7     | 1                | 19          | 59.5            | 1072.0     | -          | -          |
| 8     | 2                | 19          | 80.0            | 1482.0     | 1369.0     | -          |
| 9     | 2                | 19          | 82.0            | 1993.0     | 1197.0     | -          |
| 10    | 2                | 19          | 82.8            | 1883.0     | 1005.0     | -          |
| 11    | 3                | 19          | 88.0            | 1061.0     | 1928.0     | 1101.0     |
| 12    | 3                | 19          | 93.2            | 1207.0     | 1907.0     | 1223.0     |
| 13    | 2                | 19          | 70.4            | 1526.0     | 1360.0     | -          |
| 14    | 3                | 19          | 95.3            | 1171.0     | 1955.0     | 1775.0     |
| 15    | 2                | 19          | 81.9            | 1690.0     | 1545.0     | -          |
| 16    | 3                | 19          | 98.5            | 1975.0     | 1169.0     | 1062.0     |
| 17    | 1                | 19          | 65.0            | 1767.0     | -          | -          |
| 18    | 3                | 19          | 85.4            | 1011.0     | 1637.0     | 1425.0     |
| 19    | 3                | 19          | 91.6            | 1878.0     | 1445.0     | 1325.0     |
| 20    | 2                | 19          | 67.3            | 1091.0     | 1218.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 67.9            | 1320.0     | 1133.0     | -          |
| 2     | 1                | 16          | 62.3            | 1957.0     | -          | -          |
| 3     | 1                | 16          | 53.3            | 1592.0     | -          | -          |
| 4     | 3                | 16          | 90.0            | 1900.0     | 1153.0     | 1346.0     |
| 5     | 2                | 16          | 77.1            | 1166.0     | 1646.0     | -          |
| 6     | 3                | 16          | 83.9            | 1278.0     | 1232.0     | 1459.0     |
| 7     | 3                | 16          | 89.1            | 1240.0     | 1384.0     | 1939.0     |
| 8     | 2                | 16          | 81.8            | 1833.0     | 1676.0     | -          |
| 9     | 1                | 16          | 50.3            | 1075.0     | -          | -          |
| 10    | 3                | 16          | 87.1            | 1116.0     | 1996.0     | 1756.0     |
| 11    | 2                | 16          | 71.3            | 1225.0     | 1815.0     | -          |
| 12    | 3                | 16          | 97.5            | 1884.0     | 1465.0     | 1132.0     |
| 13    | 3                | 16          | 90.6            | 1561.0     | 1040.0     | 1354.0     |
| 14    | 3                | 16          | 86.3            | 1596.0     | 1183.0     | 1792.0     |
| 15    | 3                | 16          | 97.6            | 1365.0     | 1073.0     | 1361.0     |
| 16    | 3                | 16          | 84.7            | 1021.0     | 1718.0     | 1854.0     |
| 17    | 3                | 16          | 99.7            | 1150.0     | 1244.0     | 1988.0     |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 92.9            | 1085.0     | 1564.0     | 1407.0     |
| 2     | 2                | 12          | 67.7            | 1744.0     | 1747.0     | -          |
| 3     | 1                | 12          | 65.8            | 1092.0     | -          | -          |
| 4     | 1                | 12          | 56.3            | 1851.0     | -          | -          |
| 5     | 1                | 12          | 53.7            | 1727.0     | -          | -          |
| 6     | 3                | 12          | 83.5            | 1679.0     | 1930.0     | 1025.0     |
| 7     | 1                | 12          | 65.8            | 1519.0     | -          | -          |
| 8     | 3                | 12          | 85.9            | 1134.0     | 1034.0     | 1808.0     |
| 9     | 2                | 12          | 76.3            | 1606.0     | 1926.0     | -          |
| 10    | 2                | 12          | 81.5            | 1891.0     | 1714.0     | -          |
| 11    | 3                | 12          | 89.4            | 1310.0     | 1594.0     | 1827.0     |
| 12    | 1                | 12          | 63.4            | 1568.0     | -          | -          |
| 13    | 2                | 12          | 69.6            | 1307.0     | 1925.0     | -          |
| 14    | 2                | 12          | 74.5            | 1264.0     | 1846.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 15

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 13          | 96.6            | 1182.0     | 1609.0     | 1581.0     |
| 2     | 3                | 13          | 96.7            | 1829.0     | 1799.0     | 1154.0     |
| 3     | 3                | 13          | 86.5            | 1923.0     | 1396.0     | 1865.0     |
| 4     | 2                | 13          | 73.3            | 1908.0     | 1318.0     | -          |
| 5     | 1                | 13          | 55.8            | 1688.0     | -          | -          |
| 6     | 1                | 13          | 55.4            | 1145.0     | -          | -          |
| 7     | 3                | 13          | 85.3            | 1336.0     | 1504.0     | 1820.0     |
| 8     | 2                | 13          | 79.4            | 1344.0     | 1893.0     | -          |
| 9     | 1                | 13          | 65.7            | 1476.0     | -          | -          |
| 10    | 2                | 13          | 68.6            | 1008.0     | 1028.0     | -          |
| 11    | 2                | 13          | 77.7            | 1972.0     | 1835.0     | -          |
| 12    | 2                | 13          | 79.6            | 1882.0     | 1331.0     | -          |
| 13    | 3                | 13          | 94.9            | 1830.0     | 1070.0     | 1349.0     |
| 14    | 1                | 13          | 61.4            | 1451.0     | -          | -          |
| 15    | 3                | 13          | 90.6            | 1233.0     | 1562.0     | 1887.0     |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 12

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 10          | 52.6            | 1210.0     | -          | -          |
| 2     | 3                | 10          | 84.1            | 1314.0     | 1725.0     | 1529.0     |
| 3     | 3                | 10          | 97.7            | 1139.0     | 1868.0     | 1805.0     |
| 4     | 3                | 10          | 97.3            | 1341.0     | 1446.0     | 1755.0     |
| 5     | 3                | 10          | 98.8            | 1544.0     | 1386.0     | 1302.0     |
| 6     | 2                | 10          | 72.2            | 1771.0     | 1184.0     | -          |
| 7     | 2                | 10          | 67.6            | 1175.0     | 1027.0     | -          |
| 8     | 2                | 10          | 75.7            | 1026.0     | 1871.0     | -          |
| 9     | 1                | 10          | 60.9            | 1798.0     | -          | -          |
| 10    | 1                | 10          | 64.2            | 1138.0     | -          | -          |
| 11    | 2                | 10          | 78.8            | 1784.0     | 1604.0     | -          |
| 12    | 3                | 10          | 87.5            | 1511.0     | 1712.0     | 1683.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 54.1            | 1415.0     | -          | -          |
| 2     | 1                | 13          | 50.7            | 1221.0     | -          | -          |
| 3     | 1                | 13          | 52.3            | 1974.0     | -          | -          |
| 4     | 3                | 13          | 99.8            | 1558.0     | 1696.0     | 1949.0     |
| 5     | 2                | 13          | 68.4            | 1014.0     | 1099.0     | -          |
| 6     | 2                | 13          | 80.8            | 1736.0     | 1505.0     | -          |
| 7     | 1                | 13          | 62.5            | 1778.0     | -          | -          |
| 8     | 2                | 13          | 74.8            | 1149.0     | 1204.0     | -          |
| 9     | 1                | 13          | 50.8            | 1049.0     | -          | -          |
| 10    | 1                | 13          | 54.0            | 1417.0     | -          | -          |
| 11    | 1                | 13          | 63.0            | 1730.0     | -          | -          |
| 12    | 3                | 13          | 91.8            | 1143.0     | 1270.0     | 1347.0     |
| 13    | 2                | 13          | 79.3            | 1274.0     | 1992.0     | -          |
| 14    | 1                | 13          | 64.3            | 1937.0     | -          | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chirp Center Frequency: 5510.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 6           | 63.4            | 1043.0     | -          | -          |
| 2     | 1                | 6           | 52.0            | 1863.0     | -          | -          |
| 3     | 3                | 6           | 97.2            | 1973.0     | 1605.0     | 1583.0     |
| 4     | 2                | 6           | 78.7            | 1466.0     | 1743.0     | -          |
| 5     | 2                | 6           | 74.2            | 1280.0     | 1219.0     | -          |
| 6     | 3                | 6           | 88.7            | 1293.0     | 1934.0     | 1273.0     |
| 7     | 1                | 6           | 54.3            | 1991.0     | -          | -          |
| 8     | 3                | 6           | 95.4            | 1580.0     | 1555.0     | 1791.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 17

Chirp Center Frequency: 5497.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 73.7            | 1208.0     | 1497.0     | -          |
| 2     | 3                | 16          | 97.4            | 1942.0     | 1754.0     | 1613.0     |
| 3     | 3                | 16          | 91.7            | 1999.0     | 1702.0     | 1462.0     |
| 4     | 1                | 16          | 66.2            | 1393.0     | -          | -          |
| 5     | 2                | 16          | 70.8            | 1968.0     | 1821.0     | -          |
| 6     | 1                | 16          | 52.3            | 1740.0     | -          | -          |
| 7     | 2                | 16          | 78.9            | 1308.0     | 1984.0     | -          |
| 8     | 2                | 16          | 70.9            | 1050.0     | 1358.0     | -          |
| 9     | 2                | 16          | 75.6            | 1437.0     | 1430.0     | -          |
| 10    | 1                | 16          | 59.1            | 1697.0     | -          | -          |
| 11    | 2                | 16          | 77.0            | 1397.0     | 1304.0     | -          |
| 12    | 2                | 16          | 67.9            | 1803.0     | 1083.0     | -          |
| 13    | 2                | 16          | 81.2            | 1720.0     | 1932.0     | -          |
| 14    | 2                | 16          | 78.7            | 1247.0     | 1121.0     | -          |
| 15    | 1                | 16          | 63.3            | 1634.0     | -          | -          |
| 16    | 2                | 16          | 68.9            | 1849.0     | 1423.0     | -          |
| 17    | 1                | 16          | 59.3            | 1093.0     | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5499.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 98.9            | 1381.0     | 1680.0     | 1488.0     |
| 2     | 2                | 19          | 82.3            | 1716.0     | 1855.0     | -          |
| 3     | 3                | 19          | 86.7            | 1211.0     | 1400.0     | 1919.0     |
| 4     | 3                | 19          | 89.7            | 1861.0     | 1068.0     | 1282.0     |
| 5     | 3                | 19          | 98.6            | 1507.0     | 1194.0     | 1461.0     |
| 6     | 2                | 19          | 71.1            | 1921.0     | 1789.0     | -          |
| 7     | 1                | 19          | 55.9            | 1947.0     | -          | -          |
| 8     | 2                | 19          | 67.9            | 1350.0     | 1372.0     | -          |
| 9     | 3                | 19          | 84.4            | 1203.0     | 1107.0     | 1443.0     |
| 10    | 1                | 19          | 58.8            | 1715.0     | -          | -          |
| 11    | 1                | 19          | 65.6            | 1017.0     | -          | -          |
| 12    | 2                | 19          | 78.5            | 1911.0     | 1704.0     | -          |
| 13    | 2                | 19          | 82.3            | 1845.0     | 1686.0     | -          |
| 14    | 3                | 19          | 90.1            | 1938.0     | 1071.0     | 1266.0     |
| 15    | 3                | 19          | 90.2            | 1989.0     | 1089.0     | 1950.0     |
| 16    | 2                | 19          | 83.1            | 1943.0     | 1406.0     | -          |
| 17    | 1                | 19          | 58.8            | 1742.0     | -          | -          |
| 18    | 2                | 19          | 77.0            | 1187.0     | 1657.0     | -          |
| 19    | 1                | 19          | 55.0            | 1012.0     | -          | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chirp Center Frequency: 5496.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 13          | 58.1            | 1929.0     | -          | -          |
| 2     | 1                | 13          | 52.1            | 1910.0     | -          | -          |
| 3     | 1                | 13          | 59.9            | 1971.0     | -          | -          |
| 4     | 1                | 13          | 60.2            | 1812.0     | -          | -          |
| 5     | 3                | 13          | 95.9            | 1399.0     | 1906.0     | 1608.0     |
| 6     | 2                | 13          | 79.9            | 1626.0     | 1859.0     | -          |
| 7     | 2                | 13          | 78.5            | 1238.0     | 1917.0     | -          |
| 8     | 1                | 13          | 53.8            | 1763.0     | -          | -          |
| 9     | 1                | 13          | 64.7            | 1800.0     | -          | -          |
| 10    | 1                | 13          | 61.4            | 1390.0     | -          | -          |
| 11    | 2                | 13          | 83.2            | 1692.0     | 1858.0     | -          |
| 12    | 3                | 13          | 84.7            | 1533.0     | 1677.0     | 1638.0     |
| 13    | 3                | 13          | 88.7            | 1703.0     | 1528.0     | 1058.0     |
| 14    | 2                | 13          | 78.3            | 1258.0     | 1951.0     | -          |
| 15    | 2                | 13          | 69.3            | 1731.0     | 1717.0     | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 10          | 75.3            | 1994.0     | 1612.0     | -          |
| 2     | 1                | 10          | 56.3            | 1456.0     | -          | -          |
| 3     | 2                | 10          | 67.7            | 1617.0     | 1185.0     | -          |
| 4     | 1                | 10          | 55.6            | 1337.0     | -          | -          |
| 5     | 2                | 10          | 75.2            | 1421.0     | 1267.0     | -          |
| 6     | 2                | 10          | 76.3            | 1359.0     | 1305.0     | -          |
| 7     | 3                | 10          | 85.7            | 1547.0     | 1362.0     | 1924.0     |
| 8     | 3                | 10          | 98.4            | 1873.0     | 1550.0     | 1249.0     |
| 9     | 3                | 10          | 86.4            | 1779.0     | 1439.0     | 1046.0     |
| 10    | 3                | 10          | 93.6            | 1059.0     | 1031.0     | 1452.0     |
| 11    | 1                | 10          | 63.3            | 1328.0     | -          | -          |
| 12    | 3                | 10          | 92.4            | 1412.0     | 1673.0     | 1322.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 93.3            | 1983.0     | 1912.0     | 1535.0     |
| 2     | 2                | 18          | 69.1            | 1102.0     | 1794.0     | -          |
| 3     | 3                | 18          | 86.9            | 1044.0     | 1152.0     | 1148.0     |
| 4     | 3                | 18          | 84.9            | 1894.0     | 1948.0     | 1118.0     |
| 5     | 2                | 18          | 72.3            | 1094.0     | 1916.0     | -          |
| 6     | 1                | 18          | 51.7            | 1447.0     | -          | -          |
| 7     | 1                | 18          | 58.3            | 1429.0     | -          | -          |
| 8     | 1                | 18          | 60.8            | 1979.0     | -          | -          |
| 9     | 1                | 18          | 57.1            | 1641.0     | -          | -          |
| 10    | 3                | 18          | 88.9            | 1886.0     | 1964.0     | 1489.0     |
| 11    | 2                | 18          | 72.0            | 1909.0     | 1297.0     | -          |
| 12    | 3                | 18          | 90.9            | 1261.0     | 1566.0     | 1370.0     |
| 13    | 1                | 18          | 59.8            | 1552.0     | -          | -          |
| 14    | 2                | 18          | 70.0            | 1759.0     | 1291.0     | -          |
| 15    | 2                | 18          | 67.2            | 1625.0     | 1881.0     | -          |
| 16    | 3                | 18          | 91.2            | 1382.0     | 1832.0     | 1661.0     |
| 17    | 1                | 18          | 56.5            | 1483.0     | -          | -          |
| 18    | 1                | 18          | 51.2            | 1237.0     | -          | -          |
| 19    | 2                | 18          | 74.1            | 1471.0     | 1245.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5496.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 12          | 76.9            | 1110.0     | 1140.0     | -          |
| 2     | 1                | 12          | 50.2            | 1316.0     | -          | -          |
| 3     | 1                | 12          | 62.9            | 1520.0     | -          | -          |
| 4     | 1                | 12          | 64.7            | 1902.0     | -          | -          |
| 5     | 3                | 12          | 83.8            | 1410.0     | 1097.0     | 1621.0     |
| 6     | 1                | 12          | 65.4            | 1944.0     | -          | -          |
| 7     | 1                | 12          | 53.2            | 1024.0     | -          | -          |
| 8     | 1                | 12          | 51.7            | 1603.0     | -          | -          |
| 9     | 2                | 12          | 78.7            | 1804.0     | 1168.0     | -          |
| 10    | 2                | 12          | 72.4            | 1030.0     | 1343.0     | -          |
| 11    | 1                | 12          | 53.8            | 1327.0     | -          | -          |
| 12    | 2                | 12          | 73.6            | 1524.0     | 1553.0     | -          |
| 13    | 2                | 12          | 66.7            | 1722.0     | 1122.0     | -          |
| 14    | 2                | 12          | 82.5            | 1404.0     | 1019.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chirp Center Frequency: 5499.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 20          | 87.6            | 1565.0     | 1055.0     | 1840.0     |
| 2     | 3                | 20          | 85.2            | 1735.0     | 1541.0     | 1408.0     |
| 3     | 3                | 20          | 84.8            | 1534.0     | 1889.0     | 1463.0     |
| 4     | 2                | 20          | 77.9            | 1749.0     | 1460.0     | -          |
| 5     | 2                | 20          | 76.5            | 1518.0     | 1485.0     | -          |
| 6     | 1                | 20          | 60.9            | 1540.0     | -          | -          |
| 7     | 2                | 20          | 83.0            | 1080.0     | 1010.0     | -          |
| 8     | 2                | 20          | 80.4            | 1824.0     | 1752.0     | -          |
| 9     | 2                | 20          | 67.5            | 1764.0     | 1181.0     | -          |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 10 | 1 | 20 | 62.1 | 1495.0 | -      | -      |
| 11 | 3 | 20 | 86.4 | 1773.0 | 1966.0 | 1263.0 |
| 12 | 3 | 20 | 84.3 | 1593.0 | 1188.0 | 1788.0 |
| 13 | 2 | 20 | 76.9 | 1226.0 | 1537.0 | -      |
| 14 | 3 | 20 | 95.8 | 1192.0 | 1298.0 | 1844.0 |
| 15 | 1 | 20 | 55.2 | 1644.0 | -      | -      |
| 16 | 1 | 20 | 59.0 | 1402.0 | -      | -      |
| 17 | 3 | 20 | 94.5 | 1296.0 | 1700.0 | 1283.0 |
| 18 | 3 | 20 | 91.9 | 1970.0 | 1978.0 | 1165.0 |
| 19 | 3 | 20 | 85.2 | 1732.0 | 1551.0 | 1189.0 |
| 20 | 2 | 20 | 69.5 | 1038.0 | 1224.0 | -      |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 86.4            | 1259.0     | 1918.0     | 1455.0     |
| 2     | 3                | 10          | 92.2            | 1598.0     | 1719.0     | 1895.0     |
| 3     | 2                | 10          | 80.4            | 1816.0     | 1899.0     | -          |
| 4     | 1                | 10          | 54.3            | 1335.0     | -          | -          |
| 5     | 1                | 10          | 53.1            | 1303.0     | -          | -          |
| 6     | 2                | 10          | 69.4            | 1503.0     | 1546.0     | -          |
| 7     | 2                | 10          | 69.1            | 1279.0     | 1639.0     | -          |
| 8     | 3                | 10          | 100.0           | 1375.0     | 1438.0     | 1595.0     |
| 9     | 2                | 10          | 79.6            | 1239.0     | 1705.0     | -          |
| 10    | 3                | 10          | 88.4            | 1374.0     | 1579.0     | 1623.0     |
| 11    | 1                | 10          | 53.3            | 1016.0     | -          | -          |
| 12    | 1                | 10          | 65.3            | 1709.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_19<br>Number of Bursts in Trial: 14<br>Chirp Center Frequency: 5496.3MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 1                | 12          | 55.3            | 1920.0     | -          | -          |
| 2                                                                                                                                    | 1                | 12          | 58.3            | 1797.0     | -          | -          |
| 3                                                                                                                                    | 2                | 12          | 72.3            | 1610.0     | 1039.0     | -          |
| 4                                                                                                                                    | 3                | 12          | 84.8            | 1131.0     | 1761.0     | 1721.0     |
| 5                                                                                                                                    | 2                | 12          | 82.5            | 1875.0     | 1431.0     | -          |
| 6                                                                                                                                    | 1                | 12          | 63.3            | 1095.0     | -          | -          |
| 7                                                                                                                                    | 2                | 12          | 80.0            | 1119.0     | 1913.0     | -          |
| 8                                                                                                                                    | 3                | 12          | 90.3            | 1660.0     | 1853.0     | 1123.0     |
| 9                                                                                                                                    | 3                | 12          | 91.1            | 1539.0     | 1783.0     | 1172.0     |
| 10                                                                                                                                   | 3                | 12          | 96.6            | 1525.0     | 1036.0     | 1385.0     |
| 11                                                                                                                                   | 2                | 12          | 82.7            | 1710.0     | 1990.0     | -          |
| 12                                                                                                                                   | 1                | 12          | 50.7            | 1234.0     | -          | -          |
| 13                                                                                                                                   | 2                | 12          | 78.4            | 1047.0     | 1109.0     | -          |
| 14                                                                                                                                   | 3                | 12          | 99.5            | 1299.0     | 1965.0     | 1869.0     |
| 15                                                                                                                                   |                  |             |                 |            |            |            |
| 16                                                                                                                                   |                  |             |                 |            |            |            |
| 17                                                                                                                                   |                  |             |                 |            |            |            |
| 18                                                                                                                                   |                  |             |                 |            |            |            |
| 19                                                                                                                                   |                  |             |                 |            |            |            |
| 20                                                                                                                                   |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 88.6            | 1501.0     | 1067.0     | 1927.0     |
| 2     | 1                | 10          | 57.4            | 1723.0     | -          | -          |
| 3     | 3                | 10          | 96.6            | 1086.0     | 1658.0     | 1324.0     |
| 4     | 2                | 10          | 69.7            | 1751.0     | 1945.0     | -          |
| 5     | 2                | 10          | 77.9            | 1642.0     | 1317.0     | -          |
| 6     | 1                | 10          | 62.0            | 1866.0     | -          | -          |
| 7     | 3                | 10          | 88.4            | 1997.0     | 1077.0     | 1366.0     |
| 8     | 3                | 10          | 97.3            | 1790.0     | 1896.0     | 1367.0     |
| 9     | 3                | 10          | 96.2            | 1391.0     | 1787.0     | 1672.0     |
| 10    | 3                | 10          | 95.4            | 1020.0     | 1892.0     | 1414.0     |
| 11    | 1                | 10          | 54.8            | 1084.0     | -          | -          |
| 12    | 2                | 10          | 80.4            | 1850.0     | 1436.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 16

Chirp Center Frequency: 5522.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 74.7            | 1619.0     | 1611.0     | -          |
| 2     | 1                | 15          | 57.1            | 1560.0     | -          | -          |
| 3     | 3                | 15          | 91.9            | 1392.0     | 1475.0     | 1276.0     |
| 4     | 2                | 15          | 83.1            | 1809.0     | 1772.0     | -          |
| 5     | 1                | 15          | 50.7            | 1003.0     | -          | -          |
| 6     | 2                | 15          | 79.2            | 1574.0     | 1600.0     | -          |
| 7     | 1                | 15          | 58.7            | 1186.0     | -          | -          |
| 8     | 2                | 15          | 71.0            | 1521.0     | 1567.0     | -          |
| 9     | 2                | 15          | 79.0            | 1777.0     | 1960.0     | -          |
| 10    | 2                | 15          | 68.5            | 1284.0     | 1428.0     | -          |
| 11    | 2                | 15          | 73.5            | 1904.0     | 1352.0     | -          |
| 12    | 2                | 15          | 70.5            | 1864.0     | 1115.0     | -          |
| 13    | 2                | 15          | 76.6            | 1045.0     | 1300.0     | -          |
| 14    | 2                | 15          | 81.2            | 1160.0     | 1675.0     | -          |
| 15    | 1                | 15          | 61.8            | 1277.0     | -          | -          |
| 16    | 3                | 15          | 94.9            | 1450.0     | 1206.0     | 1860.0     |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5524.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 78.5            | 1653.0     | 1698.0     | -          |
| 2     | 3                | 9           | 89.8            | 1174.0     | 1962.0     | 1167.0     |
| 3     | 1                | 9           | 59.4            | 1982.0     | -          | -          |
| 4     | 2                | 9           | 79.6            | 1633.0     | 1890.0     | -          |
| 5     | 2                | 9           | 76.0            | 1112.0     | 1811.0     | -          |
| 6     | 1                | 9           | 53.6            | 1144.0     | -          | -          |
| 7     | 2                | 9           | 80.9            | 1220.0     | 1053.0     | -          |
| 8     | 1                | 9           | 61.6            | 1724.0     | -          | -          |
| 9     | 1                | 9           | 53.4            | 1901.0     | -          | -          |
| 10    | 1                | 9           | 59.9            | 1379.0     | -          | -          |
| 11    | 1                | 9           | 60.4            | 1453.0     | -          | -          |
| 12    | 3                | 9           | 91.4            | 1768.0     | 1726.0     | 1227.0     |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 20

Chirp Center Frequency: 5520.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 77.0            | 1191.0     | 1363.0     | -          |
| 2     | 1                | 20          | 58.1            | 1248.0     | -          | -          |
| 3     | 1                | 20          | 62.1            | 1836.0     | -          | -          |
| 4     | 2                | 20          | 76.9            | 1334.0     | 1236.0     | -          |
| 5     | 2                | 20          | 80.0            | 1914.0     | 1852.0     | -          |
| 6     | 1                | 20          | 52.0            | 1701.0     | -          | -          |
| 7     | 3                | 20          | 88.6            | 1693.0     | 1995.0     | 1905.0     |
| 8     | 2                | 20          | 72.9            | 1922.0     | 1387.0     | -          |
| 9     | 3                | 20          | 98.5            | 1839.0     | 1746.0     | 1389.0     |
| 10    | 1                | 20          | 57.9            | 1193.0     | -          | -          |
| 11    | 3                | 20          | 95.9            | 1659.0     | 1870.0     | 1066.0     |
| 12    | 1                | 20          | 53.5            | 1162.0     | -          | -          |
| 13    | 3                | 20          | 92.0            | 1745.0     | 1654.0     | 1458.0     |
| 14    | 1                | 20          | 57.3            | 1834.0     | -          | -          |
| 15    | 2                | 20          | 70.5            | 1684.0     | 1586.0     | -          |
| 16    | 2                | 20          | 70.0            | 1042.0     | 1664.0     | -          |
| 17    | 3                | 20          | 84.0            | 1765.0     | 1630.0     | 1176.0     |
| 18    | 2                | 20          | 76.1            | 1557.0     | 1057.0     | -          |
| 19    | 3                | 20          | 93.2            | 1985.0     | 1018.0     | 1340.0     |
| 20    | 3                | 20          | 96.8            | 1760.0     | 1614.0     | 1817.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chirp Center Frequency: 5523.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 50.1            | 1841.0     | -          | -          |
| 2     | 3                | 12          | 93.5            | 1590.0     | 1081.0     | 1413.0     |
| 3     | 2                | 12          | 68.8            | 1707.0     | 1577.0     | -          |
| 4     | 1                | 12          | 56.3            | 1056.0     | -          | -          |
| 5     | 3                | 12          | 86.0            | 1953.0     | 1108.0     | 1987.0     |
| 6     | 2                | 12          | 75.2            | 1572.0     | 1536.0     | -          |
| 7     | 1                | 12          | 54.4            | 1517.0     | -          | -          |
| 8     | 2                | 12          | 71.1            | 1329.0     | 1243.0     | -          |
| 9     | 2                | 12          | 76.2            | 1940.0     | 1770.0     | -          |
| 10    | 2                | 12          | 80.2            | 1098.0     | 1209.0     | -          |
| 11    | 2                | 12          | 79.7            | 1588.0     | 1214.0     | -          |
| 12    | 3                | 12          | 90.9            | 1615.0     | 1862.0     | 1601.0     |
| 13    | 2                | 12          | 68.7            | 1377.0     | 1441.0     | -          |
| 14    | 2                | 12          | 67.4            | 1872.0     | 1313.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 13

Chirp Center Frequency: 5524.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 11          | 94.0            | 1643.0     | 1748.0     | 1941.0     |
| 2     | 2                | 11          | 70.8            | 1177.0     | 1201.0     | -          |
| 3     | 1                | 11          | 56.3            | 1006.0     | -          | -          |
| 4     | 3                | 11          | 96.7            | 1230.0     | 1163.0     | 1332.0     |
| 5     | 3                | 11          | 90.6            | 1217.0     | 1582.0     | 1498.0     |
| 6     | 2                | 11          | 74.5            | 1569.0     | 1281.0     | -          |
| 7     | 3                | 11          | 92.6            | 1065.0     | 1669.0     | 1222.0     |
| 8     | 3                | 11          | 89.0            | 1493.0     | 1135.0     | 1380.0     |
| 9     | 3                | 11          | 96.5            | 1607.0     | 1822.0     | 1602.0     |
| 10    | 2                | 11          | 70.5            | 1141.0     | 1178.0     | -          |
| 11    | 3                | 11          | 94.0            | 1009.0     | 1629.0     | 1956.0     |
| 12    | 1                | 11          | 55.8            | 1290.0     | -          | -          |
| 13    | 3                | 11          | 87.7            | 1435.0     | 1963.0     | 1164.0     |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chirp Center Frequency: 5526.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 68.6            | 1306.0     | 1161.0     | -          |
| 2     | 2                | 5           | 83.1            | 1420.0     | 1315.0     | -          |
| 3     | 1                | 5           | 60.9            | 1687.0     | -          | -          |
| 4     | 2                | 5           | 77.7            | 1776.0     | 1158.0     | -          |
| 5     | 2                | 5           | 77.4            | 1793.0     | 1510.0     | -          |
| 6     | 2                | 5           | 66.8            | 1576.0     | 1323.0     | -          |
| 7     | 1                | 5           | 63.7            | 1333.0     | -          | -          |
| 8     | 3                | 5           | 91.2            | 1409.0     | 1681.0     | 1275.0     |
| 9     |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chirp Center Frequency: 5522.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 16          | 83.6            | 1632.0     | 1195.0     | 1000.0     |
| 2     | 3                | 16          | 89.4            | 1173.0     | 1627.0     | 1656.0     |
| 3     | 1                | 16          | 55.8            | 1532.0     | -          | -          |
| 4     | 3                | 16          | 90.9            | 1981.0     | 1554.0     | 1998.0     |
| 5     | 1                | 16          | 54.7            | 1825.0     | -          | -          |
| 6     | 3                | 16          | 97.7            | 1734.0     | 1202.0     | 1250.0     |
| 7     | 2                | 16          | 67.5            | 1571.0     | 1434.0     | -          |
| 8     | 3                | 16          | 96.7            | 1589.0     | 1469.0     | 1268.0     |
| 9     | 2                | 16          | 68.3            | 1750.0     | 1954.0     | -          |
| 10    | 2                | 16          | 78.3            | 1591.0     | 1082.0     | -          |
| 11    | 1                | 16          | 55.0            | 1427.0     | -          | -          |
| 12    | 3                | 16          | 84.9            | 1129.0     | 1936.0     | 1199.0     |
| 13    | 2                | 16          | 74.6            | 1959.0     | 1856.0     | -          |
| 14    | 1                | 16          | 63.3            | 1885.0     | -          | -          |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 15 | 3 | 16 | 99.8 | 1035.0 | 1515.0 | 1120.0 |
| 16 | 1 | 16 | 63.6 | 1647.0 | -      | -      |
| 17 | 3 | 16 | 87.3 | 1931.0 | 1051.0 | 1831.0 |
| 18 |   |    |      |        |        |        |
| 19 |   |    |      |        |        |        |
| 20 |   |    |      |        |        |        |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5520.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 85.6            | 1946.0     | 1078.0     | 1015.0     |
| 2     | 2                | 19          | 68.6            | 1029.0     | 1780.0     | -          |
| 3     | 1                | 19          | 54.2            | 1111.0     | -          | -          |
| 4     | 1                | 19          | 61.2            | 1104.0     | -          | -          |
| 5     | 3                | 19          | 97.1            | 1157.0     | 1969.0     | 1100.0     |
| 6     | 3                | 19          | 98.3            | 1142.0     | 1699.0     | 1622.0     |
| 7     | 1                | 19          | 62.4            | 1655.0     | -          | -          |
| 8     | 2                | 19          | 80.2            | 1126.0     | 1769.0     | -          |
| 9     | 3                | 19          | 87.5            | 1216.0     | 1448.0     | 1179.0     |
| 10    | 3                | 19          | 85.8            | 1847.0     | 1348.0     | 1472.0     |
| 11    | 3                | 19          | 88.1            | 1023.0     | 1124.0     | 1631.0     |
| 12    | 1                | 19          | 65.3            | 1848.0     | -          | -          |
| 13    | 1                | 19          | 52.5            | 1470.0     | -          | -          |
| 14    | 1                | 19          | 52.3            | 1312.0     | -          | -          |
| 15    | 2                | 19          | 74.1            | 1915.0     | 1200.0     | -          |
| 16    | 1                | 19          | 54.9            | 1479.0     | -          | -          |
| 17    | 2                | 19          | 76.2            | 1376.0     | 1502.0     | -          |
| 18    | 1                | 19          | 60.4            | 1758.0     | -          | -          |
| 19    | 2                | 19          | 81.5            | 1491.0     | 1103.0     | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chirp Center Frequency: 5524.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 10          | 50.5            | 1857.0     | -          | -          |
| 2     | 1                | 10          | 55.7            | 1246.0     | -          | -          |
| 3     | 3                | 10          | 85.8            | 1774.0     | 1002.0     | 1967.0     |
| 4     | 2                | 10          | 76.9            | 1125.0     | 1474.0     | -          |
| 5     | 2                | 10          | 75.1            | 1254.0     | 1052.0     | -          |
| 6     | 3                | 10          | 92.3            | 1180.0     | 1486.0     | 1492.0     |
| 7     | 2                | 10          | 78.1            | 1301.0     | 1757.0     | -          |
| 8     | 3                | 10          | 92.2            | 1898.0     | 1252.0     | 1713.0     |
| 9     | 3                | 10          | 89.0            | 1260.0     | 1706.0     | 1411.0     |
| 10    | 2                | 10          | 70.9            | 1578.0     | 1620.0     | -          |
| 11    | 1                | 10          | 63.1            | 1782.0     | -          | -          |
| 12    | 1                | 10          | 55.3            | 1522.0     | -          | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5521.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 83.4            | 1454.0     | 1205.0     | 1801.0     |
| 2     | 3                | 17          | 97.3            | 1319.0     | 1826.0     | 1635.0     |
| 3     | 3                | 17          | 90.4            | 1079.0     | 1986.0     | 1674.0     |
| 4     | 3                | 17          | 91.8            | 1563.0     | 1151.0     | 1802.0     |
| 5     | 3                | 17          | 98.2            | 1876.0     | 1977.0     | 1766.0     |
| 6     | 1                | 17          | 59.5            | 1952.0     | -          | -          |
| 7     | 2                | 17          | 80.0            | 1253.0     | 1137.0     | -          |
| 8     | 3                | 17          | 86.5            | 1054.0     | 1128.0     | 1828.0     |
| 9     | 3                | 17          | 91.1            | 1105.0     | 1599.0     | 1442.0     |
| 10    | 3                | 17          | 93.5            | 1867.0     | 1373.0     | 1087.0     |
| 11    | 1                | 17          | 60.7            | 1033.0     | -          | -          |
| 12    | 2                | 17          | 67.2            | 1288.0     | 1405.0     | -          |
| 13    | 1                | 17          | 61.8            | 1585.0     | -          | -          |
| 14    | 2                | 17          | 79.4            | 1933.0     | 1667.0     | -          |
| 15    | 2                | 17          | 81.4            | 1096.0     | 1464.0     | -          |
| 16    | 1                | 17          | 65.7            | 1496.0     | -          | -          |
| 17    | 2                | 17          | 76.0            | 1733.0     | 1255.0     | -          |
| 18    | 2                | 17          | 81.0            | 1326.0     | 1668.0     | -          |
| 19    |                  |             |                 |            |            |            |

| Type 6 Radar Statistical Performances |                  |                 |         |                         |
|---------------------------------------|------------------|-----------------|---------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection               |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                     |
|                                       |                  |                 |         | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |           |
|---------------------------------------|---------------------------------|-----------|
| Trial #                               | Hopping Frequency Sequence Name | Detection |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes       |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes       |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes       |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes       |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes       |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes       |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes       |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes       |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes       |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes       |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes       |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes       |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes       |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes       |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes       |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes       |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes       |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes       |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes       |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes       |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes       |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes       |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes       |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes       |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes       |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes       |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes       |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes       |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes       |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes       |
| Detection Rate: 100.0 %               |                                 |           |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.661G            | 2    | 5.682G            | 3    | 5.347G            | 4    | 5.275G            |
| 5                                                | 5.582G            | 6    | 5.334G            | 7    | 5.691G            | 8    | 5.453G            |
| 9                                                | 5.693G            | 10   | 5.601G            | 11   | 5.713G            | 12   | 5.585G            |
| 13                                               | 5.341G            | 14   | 5.511G            | 15   | 5.445G            | 16   | 5.670G            |
| 17                                               | 5.666G            | 18   | 5.296G            | 19   | 5.465G            | 20   | 5.679G            |
| 21                                               | 5.256G            | 22   | 5.714G            | 23   | 5.494G            | 24   | 5.454G            |
| 25                                               | 5.317G            | 26   | 5.290G            | 27   | 5.376G            | 28   | 5.612G            |
| 29                                               | 5.648G            | 30   | 5.439G            | 31   | 5.474G            | 32   | 5.563G            |
| 33                                               | 5.416G            | 34   | 5.721G            | 35   | 5.351G            | 36   | 5.668G            |
| 37                                               | 5.435G            | 38   | 5.440G            | 39   | 5.664G            | 40   | 5.369G            |
| 41                                               | 5.600G            | 42   | 5.292G            | 43   | 5.534G            | 44   | 5.708G            |
| 45                                               | 5.624G            | 46   | 5.537G            | 47   | 5.652G            | 48   | 5.655G            |
| 49                                               | 5.374G            | 50   | 5.336G            | 51   | 5.643G            | 52   | 5.437G            |
| 53                                               | 5.533G            | 54   | 5.482G            | 55   | 5.285G            | 56   | 5.443G            |
| 57                                               | 5.501G            | 58   | 5.547G            | 59   | 5.274G            | 60   | 5.650G            |
| 61                                               | 5.683G            | 62   | 5.615G            | 63   | 5.280G            | 64   | 5.469G            |
| 65                                               | 5.628G            | 66   | 5.639G            | 67   | 5.426G            | 68   | 5.379G            |
| 69                                               | 5.393G            | 70   | 5.479G            | 71   | 5.706G            | 72   | 5.604G            |
| 73                                               | 5.315G            | 74   | 5.605G            | 75   | 5.371G            | 76   | 5.409G            |
| 77                                               | 5.282G            | 78   | 5.572G            | 79   | 5.333G            | 80   | 5.272G            |
| 81                                               | 5.645G            | 82   | 5.588G            | 83   | 5.402G            | 84   | 5.399G            |
| 85                                               | 5.442G            | 86   | 5.258G            | 87   | 5.673G            | 88   | 5.575G            |
| 89                                               | 5.309G            | 90   | 5.570G            | 91   | 5.313G            | 92   | 5.701G            |
| 93                                               | 5.678G            | 94   | 5.510G            | 95   | 5.622G            | 96   | 5.580G            |
| 97                                               | 5.700G            | 98   | 5.250G            | 99   | 5.456G            | 100  | 5.633G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.414G            | 2    | 5.439G            | 3    | 5.282G            | 4    | 5.592G            |
| 5                                                | 5.714G            | 6    | 5.570G            | 7    | 5.685G            | 8    | 5.466G            |
| 9                                                | 5.529G            | 10   | 5.637G            | 11   | 5.396G            | 12   | 5.708G            |
| 13                                               | 5.298G            | 14   | 5.361G            | 15   | 5.663G            | 16   | 5.651G            |
| 17                                               | 5.601G            | 18   | 5.690G            | 19   | 5.522G            | 20   | 5.557G            |
| 21                                               | 5.589G            | 22   | 5.391G            | 23   | 5.511G            | 24   | 5.263G            |
| 25                                               | 5.636G            | 26   | 5.284G            | 27   | 5.615G            | 28   | 5.408G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.721G | 30 | 5.318G | 31 | 5.463G | 32  | 5.562G |
| 33 | 5.290G | 34 | 5.250G | 35 | 5.706G | 36  | 5.452G |
| 37 | 5.526G | 38 | 5.588G | 39 | 5.400G | 40  | 5.399G |
| 41 | 5.357G | 42 | 5.541G | 43 | 5.269G | 44  | 5.552G |
| 45 | 5.431G | 46 | 5.481G | 47 | 5.697G | 48  | 5.724G |
| 49 | 5.461G | 50 | 5.322G | 51 | 5.474G | 52  | 5.476G |
| 53 | 5.330G | 54 | 5.359G | 55 | 5.698G | 56  | 5.358G |
| 57 | 5.464G | 58 | 5.547G | 59 | 5.346G | 60  | 5.386G |
| 61 | 5.676G | 62 | 5.560G | 63 | 5.673G | 64  | 5.543G |
| 65 | 5.275G | 66 | 5.691G | 67 | 5.581G | 68  | 5.598G |
| 69 | 5.616G | 70 | 5.471G | 71 | 5.374G | 72  | 5.405G |
| 73 | 5.254G | 74 | 5.537G | 75 | 5.442G | 76  | 5.315G |
| 77 | 5.546G | 78 | 5.274G | 79 | 5.342G | 80  | 5.671G |
| 81 | 5.416G | 82 | 5.545G | 83 | 5.658G | 84  | 5.512G |
| 85 | 5.555G | 86 | 5.381G | 87 | 5.567G | 88  | 5.672G |
| 89 | 5.296G | 90 | 5.595G | 91 | 5.421G | 92  | 5.299G |
| 93 | 5.540G | 94 | 5.701G | 95 | 5.411G | 96  | 5.376G |
| 97 | 5.494G | 98 | 5.329G | 99 | 5.264G | 100 | 5.270G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.679G            | 2    | 5.317G            | 3    | 5.547G            | 4    | 5.700G            |
| 5                                                | 5.503G            | 6    | 5.452G            | 7    | 5.250G            | 8    | 5.582G            |
| 9                                                | 5.521G            | 10   | 5.374G            | 11   | 5.535G            | 12   | 5.340G            |
| 13                                               | 5.686G            | 14   | 5.430G            | 15   | 5.264G            | 16   | 5.364G            |
| 17                                               | 5.306G            | 18   | 5.462G            | 19   | 5.309G            | 20   | 5.516G            |
| 21                                               | 5.499G            | 22   | 5.315G            | 23   | 5.639G            | 24   | 5.636G            |
| 25                                               | 5.724G            | 26   | 5.417G            | 27   | 5.335G            | 28   | 5.444G            |
| 29                                               | 5.458G            | 30   | 5.536G            | 31   | 5.432G            | 32   | 5.551G            |
| 33                                               | 5.477G            | 34   | 5.661G            | 35   | 5.677G            | 36   | 5.344G            |
| 37                                               | 5.675G            | 38   | 5.693G            | 39   | 5.441G            | 40   | 5.287G            |
| 41                                               | 5.681G            | 42   | 5.328G            | 43   | 5.712G            | 44   | 5.454G            |
| 45                                               | 5.357G            | 46   | 5.561G            | 47   | 5.271G            | 48   | 5.515G            |
| 49                                               | 5.608G            | 50   | 5.538G            | 51   | 5.506G            | 52   | 5.376G            |
| 53                                               | 5.584G            | 54   | 5.355G            | 55   | 5.705G            | 56   | 5.406G            |
| 57                                               | 5.260G            | 58   | 5.683G            | 59   | 5.422G            | 60   | 5.343G            |
| 61                                               | 5.605G            | 62   | 5.518G            | 63   | 5.316G            | 64   | 5.459G            |
| 65                                               | 5.722G            | 66   | 5.689G            | 67   | 5.577G            | 68   | 5.423G            |
| 69                                               | 5.702G            | 70   | 5.527G            | 71   | 5.500G            | 72   | 5.716G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.587G | 74 | 5.710G | 75 | 5.528G | 76  | 5.562G |
| 77 | 5.568G | 78 | 5.349G | 79 | 5.523G | 80  | 5.609G |
| 81 | 5.481G | 82 | 5.378G | 83 | 5.637G | 84  | 5.684G |
| 85 | 5.261G | 86 | 5.615G | 87 | 5.299G | 88  | 5.410G |
| 89 | 5.358G | 90 | 5.548G | 91 | 5.715G | 92  | 5.534G |
| 93 | 5.370G | 94 | 5.289G | 95 | 5.600G | 96  | 5.553G |
| 97 | 5.525G | 98 | 5.520G | 99 | 5.572G | 100 | 5.273G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.400G            | 2    | 5.348G            | 3    | 5.316G            | 4    | 5.506G            |
| 5                                                | 5.301G            | 6    | 5.657G            | 7    | 5.382G            | 8    | 5.300G            |
| 9                                                | 5.524G            | 10   | 5.617G            | 11   | 5.349G            | 12   | 5.646G            |
| 13                                               | 5.273G            | 14   | 5.283G            | 15   | 5.446G            | 16   | 5.588G            |
| 17                                               | 5.330G            | 18   | 5.417G            | 19   | 5.669G            | 20   | 5.528G            |
| 21                                               | 5.580G            | 22   | 5.679G            | 23   | 5.628G            | 24   | 5.621G            |
| 25                                               | 5.673G            | 26   | 5.651G            | 27   | 5.391G            | 28   | 5.444G            |
| 29                                               | 5.564G            | 30   | 5.685G            | 31   | 5.361G            | 32   | 5.454G            |
| 33                                               | 5.404G            | 34   | 5.690G            | 35   | 5.439G            | 36   | 5.380G            |
| 37                                               | 5.614G            | 38   | 5.516G            | 39   | 5.535G            | 40   | 5.536G            |
| 41                                               | 5.302G            | 42   | 5.388G            | 43   | 5.658G            | 44   | 5.426G            |
| 45                                               | 5.561G            | 46   | 5.550G            | 47   | 5.513G            | 48   | 5.451G            |
| 49                                               | 5.393G            | 50   | 5.560G            | 51   | 5.365G            | 52   | 5.703G            |
| 53                                               | 5.671G            | 54   | 5.684G            | 55   | 5.337G            | 56   | 5.256G            |
| 57                                               | 5.332G            | 58   | 5.571G            | 59   | 5.372G            | 60   | 5.544G            |
| 61                                               | 5.274G            | 62   | 5.723G            | 63   | 5.456G            | 64   | 5.520G            |
| 65                                               | 5.472G            | 66   | 5.425G            | 67   | 5.634G            | 68   | 5.702G            |
| 69                                               | 5.309G            | 70   | 5.710G            | 71   | 5.670G            | 72   | 5.533G            |
| 73                                               | 5.366G            | 74   | 5.724G            | 75   | 5.680G            | 76   | 5.595G            |
| 77                                               | 5.517G            | 78   | 5.287G            | 79   | 5.375G            | 80   | 5.574G            |
| 81                                               | 5.495G            | 82   | 5.328G            | 83   | 5.548G            | 84   | 5.668G            |
| 85                                               | 5.407G            | 86   | 5.579G            | 87   | 5.682G            | 88   | 5.291G            |
| 89                                               | 5.315G            | 90   | 5.586G            | 91   | 5.529G            | 92   | 5.584G            |
| 93                                               | 5.263G            | 94   | 5.541G            | 95   | 5.359G            | 96   | 5.340G            |
| 97                                               | 5.523G            | 98   | 5.543G            | 99   | 5.480G            | 100  | 5.485G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.319G            | 2    | 5.719G            | 3    | 5.506G            | 4    | 5.714G            |
| 5                                                | 5.382G            | 6    | 5.638G            | 7    | 5.336G            | 8    | 5.350G            |
| 9                                                | 5.416G            | 10   | 5.352G            | 11   | 5.309G            | 12   | 5.381G            |
| 13                                               | 5.517G            | 14   | 5.669G            | 15   | 5.534G            | 16   | 5.540G            |
| 17                                               | 5.705G            | 18   | 5.637G            | 19   | 5.551G            | 20   | 5.471G            |
| 21                                               | 5.287G            | 22   | 5.608G            | 23   | 5.541G            | 24   | 5.606G            |
| 25                                               | 5.709G            | 26   | 5.500G            | 27   | 5.689G            | 28   | 5.527G            |
| 29                                               | 5.422G            | 30   | 5.710G            | 31   | 5.568G            | 32   | 5.346G            |
| 33                                               | 5.575G            | 34   | 5.514G            | 35   | 5.347G            | 36   | 5.391G            |
| 37                                               | 5.362G            | 38   | 5.625G            | 39   | 5.640G            | 40   | 5.258G            |
| 41                                               | 5.398G            | 42   | 5.270G            | 43   | 5.511G            | 44   | 5.499G            |
| 45                                               | 5.684G            | 46   | 5.314G            | 47   | 5.272G            | 48   | 5.303G            |
| 49                                               | 5.647G            | 50   | 5.379G            | 51   | 5.476G            | 52   | 5.392G            |
| 53                                               | 5.494G            | 54   | 5.501G            | 55   | 5.377G            | 56   | 5.467G            |
| 57                                               | 5.507G            | 58   | 5.295G            | 59   | 5.686G            | 60   | 5.254G            |
| 61                                               | 5.306G            | 62   | 5.572G            | 63   | 5.290G            | 64   | 5.373G            |
| 65                                               | 5.302G            | 66   | 5.632G            | 67   | 5.320G            | 68   | 5.578G            |
| 69                                               | 5.539G            | 70   | 5.327G            | 71   | 5.487G            | 72   | 5.515G            |
| 73                                               | 5.571G            | 74   | 5.370G            | 75   | 5.666G            | 76   | 5.604G            |
| 77                                               | 5.368G            | 78   | 5.528G            | 79   | 5.414G            | 80   | 5.695G            |
| 81                                               | 5.429G            | 82   | 5.641G            | 83   | 5.436G            | 84   | 5.417G            |
| 85                                               | 5.269G            | 86   | 5.649G            | 87   | 5.529G            | 88   | 5.457G            |
| 89                                               | 5.283G            | 90   | 5.444G            | 91   | 5.603G            | 92   | 5.372G            |
| 93                                               | 5.664G            | 94   | 5.503G            | 95   | 5.680G            | 96   | 5.563G            |
| 97                                               | 5.712G            | 98   | 5.673G            | 99   | 5.650G            | 100  | 5.296G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.464G            | 2    | 5.500G            | 3    | 5.454G            | 4    | 5.723G            |
| 5                                                | 5.711G            | 6    | 5.679G            | 7    | 5.623G            | 8    | 5.303G            |
| 9                                                | 5.639G            | 10   | 5.651G            | 11   | 5.289G            | 12   | 5.657G            |
| 13                                               | 5.435G            | 14   | 5.551G            | 15   | 5.608G            | 16   | 5.335G            |
| 17                                               | 5.321G            | 18   | 5.467G            | 19   | 5.503G            | 20   | 5.543G            |
| 21                                               | 5.584G            | 22   | 5.481G            | 23   | 5.618G            | 24   | 5.650G            |
| 25                                               | 5.306G            | 26   | 5.366G            | 27   | 5.695G            | 28   | 5.328G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.533G | 30 | 5.461G | 31 | 5.452G | 32  | 5.708G |
| 33 | 5.477G | 34 | 5.479G | 35 | 5.412G | 36  | 5.407G |
| 37 | 5.548G | 38 | 5.683G | 39 | 5.620G | 40  | 5.315G |
| 41 | 5.495G | 42 | 5.416G | 43 | 5.317G | 44  | 5.327G |
| 45 | 5.457G | 46 | 5.641G | 47 | 5.526G | 48  | 5.309G |
| 49 | 5.665G | 50 | 5.636G | 51 | 5.266G | 52  | 5.675G |
| 53 | 5.422G | 54 | 5.271G | 55 | 5.569G | 56  | 5.288G |
| 57 | 5.434G | 58 | 5.505G | 59 | 5.272G | 60  | 5.643G |
| 61 | 5.534G | 62 | 5.259G | 63 | 5.252G | 64  | 5.592G |
| 65 | 5.662G | 66 | 5.267G | 67 | 5.382G | 68  | 5.433G |
| 69 | 5.485G | 70 | 5.682G | 71 | 5.688G | 72  | 5.590G |
| 73 | 5.332G | 74 | 5.269G | 75 | 5.716G | 76  | 5.427G |
| 77 | 5.549G | 78 | 5.456G | 79 | 5.348G | 80  | 5.357G |
| 81 | 5.458G | 82 | 5.440G | 83 | 5.692G | 84  | 5.693G |
| 85 | 5.638G | 86 | 5.509G | 87 | 5.567G | 88  | 5.409G |
| 89 | 5.307G | 90 | 5.715G | 91 | 5.552G | 92  | 5.360G |
| 93 | 5.292G | 94 | 5.470G | 95 | 5.441G | 96  | 5.587G |
| 97 | 5.444G | 98 | 5.365G | 99 | 5.310G | 100 | 5.394G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.458G            | 2    | 5.662G            | 3    | 5.310G            | 4    | 5.348G            |
| 5                                                | 5.655G            | 6    | 5.508G            | 7    | 5.547G            | 8    | 5.650G            |
| 9                                                | 5.415G            | 10   | 5.350G            | 11   | 5.550G            | 12   | 5.474G            |
| 13                                               | 5.551G            | 14   | 5.450G            | 15   | 5.722G            | 16   | 5.417G            |
| 17                                               | 5.494G            | 18   | 5.409G            | 19   | 5.499G            | 20   | 5.327G            |
| 21                                               | 5.699G            | 22   | 5.403G            | 23   | 5.390G            | 24   | 5.448G            |
| 25                                               | 5.561G            | 26   | 5.632G            | 27   | 5.564G            | 28   | 5.618G            |
| 29                                               | 5.513G            | 30   | 5.260G            | 31   | 5.339G            | 32   | 5.437G            |
| 33                                               | 5.463G            | 34   | 5.406G            | 35   | 5.446G            | 36   | 5.690G            |
| 37                                               | 5.671G            | 38   | 5.723G            | 39   | 5.588G            | 40   | 5.712G            |
| 41                                               | 5.709G            | 42   | 5.328G            | 43   | 5.451G            | 44   | 5.438G            |
| 45                                               | 5.428G            | 46   | 5.479G            | 47   | 5.320G            | 48   | 5.413G            |
| 49                                               | 5.529G            | 50   | 5.554G            | 51   | 5.517G            | 52   | 5.663G            |
| 53                                               | 5.642G            | 54   | 5.331G            | 55   | 5.715G            | 56   | 5.677G            |
| 57                                               | 5.528G            | 58   | 5.330G            | 59   | 5.526G            | 60   | 5.570G            |
| 61                                               | 5.675G            | 62   | 5.600G            | 63   | 5.654G            | 64   | 5.595G            |
| 65                                               | 5.361G            | 66   | 5.633G            | 67   | 5.540G            | 68   | 5.357G            |
| 69                                               | 5.278G            | 70   | 5.300G            | 71   | 5.641G            | 72   | 5.258G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.373G | 74 | 5.273G | 75 | 5.656G | 76  | 5.408G |
| 77 | 5.649G | 78 | 5.500G | 79 | 5.421G | 80  | 5.630G |
| 81 | 5.396G | 82 | 5.251G | 83 | 5.533G | 84  | 5.433G |
| 85 | 5.370G | 86 | 5.524G | 87 | 5.386G | 88  | 5.605G |
| 89 | 5.353G | 90 | 5.256G | 91 | 5.640G | 92  | 5.591G |
| 93 | 5.488G | 94 | 5.312G | 95 | 5.295G | 96  | 5.364G |
| 97 | 5.646G | 98 | 5.599G | 99 | 5.697G | 100 | 5.696G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.495G            | 2    | 5.553G            | 3    | 5.386G            | 4    | 5.410G            |
| 5                                                | 5.686G            | 6    | 5.417G            | 7    | 5.287G            | 8    | 5.575G            |
| 9                                                | 5.292G            | 10   | 5.356G            | 11   | 5.537G            | 12   | 5.589G            |
| 13                                               | 5.291G            | 14   | 5.624G            | 15   | 5.453G            | 16   | 5.485G            |
| 17                                               | 5.607G            | 18   | 5.339G            | 19   | 5.650G            | 20   | 5.660G            |
| 21                                               | 5.601G            | 22   | 5.486G            | 23   | 5.431G            | 24   | 5.328G            |
| 25                                               | 5.515G            | 26   | 5.678G            | 27   | 5.448G            | 28   | 5.371G            |
| 29                                               | 5.556G            | 30   | 5.661G            | 31   | 5.659G            | 32   | 5.599G            |
| 33                                               | 5.536G            | 34   | 5.521G            | 35   | 5.261G            | 36   | 5.305G            |
| 37                                               | 5.337G            | 38   | 5.646G            | 39   | 5.588G            | 40   | 5.527G            |
| 41                                               | 5.574G            | 42   | 5.642G            | 43   | 5.695G            | 44   | 5.380G            |
| 45                                               | 5.358G            | 46   | 5.484G            | 47   | 5.713G            | 48   | 5.629G            |
| 49                                               | 5.676G            | 50   | 5.704G            | 51   | 5.267G            | 52   | 5.555G            |
| 53                                               | 5.293G            | 54   | 5.326G            | 55   | 5.461G            | 56   | 5.544G            |
| 57                                               | 5.499G            | 58   | 5.342G            | 59   | 5.420G            | 60   | 5.437G            |
| 61                                               | 5.290G            | 62   | 5.579G            | 63   | 5.597G            | 64   | 5.426G            |
| 65                                               | 5.277G            | 66   | 5.389G            | 67   | 5.257G            | 68   | 5.557G            |
| 69                                               | 5.593G            | 70   | 5.393G            | 71   | 5.341G            | 72   | 5.405G            |
| 73                                               | 5.644G            | 74   | 5.618G            | 75   | 5.594G            | 76   | 5.477G            |
| 77                                               | 5.696G            | 78   | 5.447G            | 79   | 5.577G            | 80   | 5.325G            |
| 81                                               | 5.474G            | 82   | 5.616G            | 83   | 5.647G            | 84   | 5.679G            |
| 85                                               | 5.309G            | 86   | 5.440G            | 87   | 5.652G            | 88   | 5.627G            |
| 89                                               | 5.428G            | 90   | 5.382G            | 91   | 5.419G            | 92   | 5.501G            |
| 93                                               | 5.637G            | 94   | 5.600G            | 95   | 5.306G            | 96   | 5.517G            |
| 97                                               | 5.387G            | 98   | 5.545G            | 99   | 5.497G            | 100  | 5.488G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.307G            | 2    | 5.564G            | 3    | 5.439G            | 4    | 5.660G            |
| 5                                                | 5.654G            | 6    | 5.676G            | 7    | 5.652G            | 8    | 5.527G            |
| 9                                                | 5.422G            | 10   | 5.452G            | 11   | 5.378G            | 12   | 5.550G            |
| 13                                               | 5.387G            | 14   | 5.542G            | 15   | 5.563G            | 16   | 5.290G            |
| 17                                               | 5.431G            | 18   | 5.516G            | 19   | 5.575G            | 20   | 5.671G            |
| 21                                               | 5.470G            | 22   | 5.696G            | 23   | 5.580G            | 24   | 5.591G            |
| 25                                               | 5.599G            | 26   | 5.703G            | 27   | 5.421G            | 28   | 5.679G            |
| 29                                               | 5.688G            | 30   | 5.395G            | 31   | 5.257G            | 32   | 5.388G            |
| 33                                               | 5.335G            | 34   | 5.390G            | 35   | 5.364G            | 36   | 5.666G            |
| 37                                               | 5.535G            | 38   | 5.450G            | 39   | 5.322G            | 40   | 5.686G            |
| 41                                               | 5.677G            | 42   | 5.325G            | 43   | 5.578G            | 44   | 5.344G            |
| 45                                               | 5.655G            | 46   | 5.295G            | 47   | 5.430G            | 48   | 5.522G            |
| 49                                               | 5.331G            | 50   | 5.424G            | 51   | 5.508G            | 52   | 5.368G            |
| 53                                               | 5.457G            | 54   | 5.285G            | 55   | 5.673G            | 56   | 5.689G            |
| 57                                               | 5.362G            | 58   | 5.698G            | 59   | 5.401G            | 60   | 5.691G            |
| 61                                               | 5.624G            | 62   | 5.482G            | 63   | 5.473G            | 64   | 5.310G            |
| 65                                               | 5.610G            | 66   | 5.558G            | 67   | 5.365G            | 68   | 5.273G            |
| 69                                               | 5.298G            | 70   | 5.380G            | 71   | 5.567G            | 72   | 5.708G            |
| 73                                               | 5.600G            | 74   | 5.269G            | 75   | 5.303G            | 76   | 5.398G            |
| 77                                               | 5.308G            | 78   | 5.404G            | 79   | 5.718G            | 80   | 5.499G            |
| 81                                               | 5.373G            | 82   | 5.593G            | 83   | 5.358G            | 84   | 5.468G            |
| 85                                               | 5.311G            | 86   | 5.488G            | 87   | 5.606G            | 88   | 5.363G            |
| 89                                               | 5.533G            | 90   | 5.700G            | 91   | 5.485G            | 92   | 5.346G            |
| 93                                               | 5.642G            | 94   | 5.256G            | 95   | 5.415G            | 96   | 5.721G            |
| 97                                               | 5.500G            | 98   | 5.381G            | 99   | 5.576G            | 100  | 5.585G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.512G            | 2    | 5.624G            | 3    | 5.511G            | 4    | 5.656G            |
| 5                                                | 5.314G            | 6    | 5.708G            | 7    | 5.617G            | 8    | 5.352G            |
| 9                                                | 5.544G            | 10   | 5.669G            | 11   | 5.391G            | 12   | 5.671G            |
| 13                                               | 5.416G            | 14   | 5.501G            | 15   | 5.568G            | 16   | 5.318G            |
| 17                                               | 5.643G            | 18   | 5.275G            | 19   | 5.661G            | 20   | 5.567G            |
| 21                                               | 5.424G            | 22   | 5.274G            | 23   | 5.650G            | 24   | 5.276G            |
| 25                                               | 5.581G            | 26   | 5.418G            | 27   | 5.290G            | 28   | 5.395G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.550G | 30 | 5.601G | 31 | 5.413G | 32  | 5.468G |
| 33 | 5.358G | 34 | 5.534G | 35 | 5.285G | 36  | 5.600G |
| 37 | 5.553G | 38 | 5.638G | 39 | 5.625G | 40  | 5.506G |
| 41 | 5.559G | 42 | 5.305G | 43 | 5.526G | 44  | 5.717G |
| 45 | 5.539G | 46 | 5.542G | 47 | 5.427G | 48  | 5.484G |
| 49 | 5.251G | 50 | 5.269G | 51 | 5.715G | 52  | 5.478G |
| 53 | 5.454G | 54 | 5.359G | 55 | 5.252G | 56  | 5.353G |
| 57 | 5.514G | 58 | 5.436G | 59 | 5.316G | 60  | 5.343G |
| 61 | 5.255G | 62 | 5.604G | 63 | 5.626G | 64  | 5.340G |
| 65 | 5.310G | 66 | 5.482G | 67 | 5.450G | 68  | 5.431G |
| 69 | 5.546G | 70 | 5.645G | 71 | 5.447G | 72  | 5.623G |
| 73 | 5.572G | 74 | 5.723G | 75 | 5.566G | 76  | 5.449G |
| 77 | 5.477G | 78 | 5.356G | 79 | 5.459G | 80  | 5.465G |
| 81 | 5.547G | 82 | 5.532G | 83 | 5.517G | 84  | 5.380G |
| 85 | 5.437G | 86 | 5.594G | 87 | 5.648G | 88  | 5.637G |
| 89 | 5.503G | 90 | 5.474G | 91 | 5.422G | 92  | 5.589G |
| 93 | 5.655G | 94 | 5.333G | 95 | 5.344G | 96  | 5.635G |
| 97 | 5.412G | 98 | 5.504G | 99 | 5.652G | 100 | 5.607G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.652G            | 2    | 5.570G            | 3    | 5.614G            | 4    | 5.430G            |
| 5                                                | 5.628G            | 6    | 5.368G            | 7    | 5.343G            | 8    | 5.681G            |
| 9                                                | 5.266G            | 10   | 5.707G            | 11   | 5.389G            | 12   | 5.409G            |
| 13                                               | 5.426G            | 14   | 5.458G            | 15   | 5.309G            | 16   | 5.330G            |
| 17                                               | 5.428G            | 18   | 5.598G            | 19   | 5.300G            | 20   | 5.621G            |
| 21                                               | 5.694G            | 22   | 5.566G            | 23   | 5.600G            | 24   | 5.423G            |
| 25                                               | 5.543G            | 26   | 5.644G            | 27   | 5.673G            | 28   | 5.528G            |
| 29                                               | 5.351G            | 30   | 5.503G            | 31   | 5.577G            | 32   | 5.595G            |
| 33                                               | 5.303G            | 34   | 5.572G            | 35   | 5.499G            | 36   | 5.632G            |
| 37                                               | 5.688G            | 38   | 5.525G            | 39   | 5.396G            | 40   | 5.315G            |
| 41                                               | 5.615G            | 42   | 5.436G            | 43   | 5.620G            | 44   | 5.386G            |
| 45                                               | 5.468G            | 46   | 5.712G            | 47   | 5.537G            | 48   | 5.534G            |
| 49                                               | 5.394G            | 50   | 5.697G            | 51   | 5.280G            | 52   | 5.488G            |
| 53                                               | 5.668G            | 54   | 5.716G            | 55   | 5.316G            | 56   | 5.591G            |
| 57                                               | 5.502G            | 58   | 5.392G            | 59   | 5.366G            | 60   | 5.255G            |
| 61                                               | 5.308G            | 62   | 5.292G            | 63   | 5.427G            | 64   | 5.327G            |
| 65                                               | 5.671G            | 66   | 5.610G            | 67   | 5.254G            | 68   | 5.660G            |
| 69                                               | 5.556G            | 70   | 5.553G            | 71   | 5.533G            | 72   | 5.522G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.719G | 74 | 5.446G | 75 | 5.364G | 76  | 5.439G |
| 77 | 5.407G | 78 | 5.440G | 79 | 5.624G | 80  | 5.265G |
| 81 | 5.538G | 82 | 5.710G | 83 | 5.563G | 84  | 5.500G |
| 85 | 5.259G | 86 | 5.271G | 87 | 5.613G | 88  | 5.698G |
| 89 | 5.262G | 90 | 5.622G | 91 | 5.561G | 92  | 5.687G |
| 93 | 5.506G | 94 | 5.648G | 95 | 5.419G | 96  | 5.541G |
| 97 | 5.575G | 98 | 5.701G | 99 | 5.649G | 100 | 5.551G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.711G            | 2    | 5.453G            | 3    | 5.383G            | 4    | 5.419G            |
| 5                                                | 5.398G            | 6    | 5.591G            | 7    | 5.470G            | 8    | 5.534G            |
| 9                                                | 5.411G            | 10   | 5.405G            | 11   | 5.306G            | 12   | 5.264G            |
| 13                                               | 5.354G            | 14   | 5.581G            | 15   | 5.406G            | 16   | 5.439G            |
| 17                                               | 5.340G            | 18   | 5.585G            | 19   | 5.697G            | 20   | 5.723G            |
| 21                                               | 5.274G            | 22   | 5.500G            | 23   | 5.368G            | 24   | 5.358G            |
| 25                                               | 5.446G            | 26   | 5.393G            | 27   | 5.332G            | 28   | 5.580G            |
| 29                                               | 5.283G            | 30   | 5.372G            | 31   | 5.300G            | 32   | 5.296G            |
| 33                                               | 5.321G            | 34   | 5.420G            | 35   | 5.499G            | 36   | 5.484G            |
| 37                                               | 5.661G            | 38   | 5.409G            | 39   | 5.478G            | 40   | 5.565G            |
| 41                                               | 5.437G            | 42   | 5.506G            | 43   | 5.634G            | 44   | 5.612G            |
| 45                                               | 5.289G            | 46   | 5.626G            | 47   | 5.445G            | 48   | 5.620G            |
| 49                                               | 5.495G            | 50   | 5.712G            | 51   | 5.665G            | 52   | 5.644G            |
| 53                                               | 5.386G            | 54   | 5.452G            | 55   | 5.527G            | 56   | 5.691G            |
| 57                                               | 5.288G            | 58   | 5.519G            | 59   | 5.337G            | 60   | 5.258G            |
| 61                                               | 5.388G            | 62   | 5.532G            | 63   | 5.394G            | 64   | 5.299G            |
| 65                                               | 5.702G            | 66   | 5.682G            | 67   | 5.327G            | 68   | 5.608G            |
| 69                                               | 5.267G            | 70   | 5.385G            | 71   | 5.466G            | 72   | 5.415G            |
| 73                                               | 5.362G            | 74   | 5.716G            | 75   | 5.647G            | 76   | 5.587G            |
| 77                                               | 5.455G            | 78   | 5.520G            | 79   | 5.704G            | 80   | 5.414G            |
| 81                                               | 5.444G            | 82   | 5.720G            | 83   | 5.713G            | 84   | 5.373G            |
| 85                                               | 5.604G            | 86   | 5.292G            | 87   | 5.593G            | 88   | 5.542G            |
| 89                                               | 5.689G            | 90   | 5.325G            | 91   | 5.632G            | 92   | 5.539G            |
| 93                                               | 5.594G            | 94   | 5.524G            | 95   | 5.347G            | 96   | 5.724G            |
| 97                                               | 5.281G            | 98   | 5.521G            | 99   | 5.605G            | 100  | 5.262G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.329G            | 2    | 5.719G            | 3    | 5.325G            | 4    | 5.419G            |
| 5                                                | 5.606G            | 6    | 5.510G            | 7    | 5.281G            | 8    | 5.571G            |
| 9                                                | 5.690G            | 10   | 5.423G            | 11   | 5.716G            | 12   | 5.266G            |
| 13                                               | 5.696G            | 14   | 5.607G            | 15   | 5.435G            | 16   | 5.394G            |
| 17                                               | 5.308G            | 18   | 5.665G            | 19   | 5.322G            | 20   | 5.600G            |
| 21                                               | 5.508G            | 22   | 5.518G            | 23   | 5.348G            | 24   | 5.471G            |
| 25                                               | 5.603G            | 26   | 5.724G            | 27   | 5.630G            | 28   | 5.330G            |
| 29                                               | 5.318G            | 30   | 5.278G            | 31   | 5.598G            | 32   | 5.405G            |
| 33                                               | 5.294G            | 34   | 5.464G            | 35   | 5.649G            | 36   | 5.583G            |
| 37                                               | 5.523G            | 38   | 5.663G            | 39   | 5.364G            | 40   | 5.382G            |
| 41                                               | 5.358G            | 42   | 5.353G            | 43   | 5.384G            | 44   | 5.277G            |
| 45                                               | 5.699G            | 46   | 5.406G            | 47   | 5.527G            | 48   | 5.470G            |
| 49                                               | 5.451G            | 50   | 5.568G            | 51   | 5.416G            | 52   | 5.386G            |
| 53                                               | 5.656G            | 54   | 5.389G            | 55   | 5.356G            | 56   | 5.501G            |
| 57                                               | 5.301G            | 58   | 5.346G            | 59   | 5.480G            | 60   | 5.367G            |
| 61                                               | 5.711G            | 62   | 5.529G            | 63   | 5.434G            | 64   | 5.581G            |
| 65                                               | 5.547G            | 66   | 5.307G            | 67   | 5.655G            | 68   | 5.582G            |
| 69                                               | 5.272G            | 70   | 5.631G            | 71   | 5.713G            | 72   | 5.556G            |
| 73                                               | 5.251G            | 74   | 5.397G            | 75   | 5.540G            | 76   | 5.537G            |
| 77                                               | 5.392G            | 78   | 5.381G            | 79   | 5.585G            | 80   | 5.575G            |
| 81                                               | 5.365G            | 82   | 5.579G            | 83   | 5.459G            | 84   | 5.404G            |
| 85                                               | 5.520G            | 86   | 5.639G            | 87   | 5.496G            | 88   | 5.331G            |
| 89                                               | 5.366G            | 90   | 5.624G            | 91   | 5.360G            | 92   | 5.698G            |
| 93                                               | 5.625G            | 94   | 5.553G            | 95   | 5.669G            | 96   | 5.532G            |
| 97                                               | 5.641G            | 98   | 5.629G            | 99   | 5.491G            | 100  | 5.474G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.564G            | 2    | 5.296G            | 3    | 5.603G            | 4    | 5.441G            |
| 5                                                | 5.598G            | 6    | 5.358G            | 7    | 5.287G            | 8    | 5.590G            |
| 9                                                | 5.672G            | 10   | 5.569G            | 11   | 5.412G            | 12   | 5.445G            |
| 13                                               | 5.377G            | 14   | 5.428G            | 15   | 5.385G            | 16   | 5.500G            |
| 17                                               | 5.512G            | 18   | 5.701G            | 19   | 5.258G            | 20   | 5.354G            |
| 21                                               | 5.432G            | 22   | 5.717G            | 23   | 5.436G            | 24   | 5.324G            |
| 25                                               | 5.298G            | 26   | 5.722G            | 27   | 5.525G            | 28   | 5.661G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.602G | 30 | 5.687G | 31 | 5.562G | 32  | 5.494G |
| 33 | 5.716G | 34 | 5.269G | 35 | 5.348G | 36  | 5.647G |
| 37 | 5.585G | 38 | 5.297G | 39 | 5.684G | 40  | 5.643G |
| 41 | 5.253G | 42 | 5.612G | 43 | 5.375G | 44  | 5.401G |
| 45 | 5.664G | 46 | 5.678G | 47 | 5.433G | 48  | 5.523G |
| 49 | 5.652G | 50 | 5.680G | 51 | 5.314G | 52  | 5.552G |
| 53 | 5.670G | 54 | 5.695G | 55 | 5.316G | 56  | 5.460G |
| 57 | 5.535G | 58 | 5.620G | 59 | 5.450G | 60  | 5.439G |
| 61 | 5.359G | 62 | 5.502G | 63 | 5.313G | 64  | 5.328G |
| 65 | 5.368G | 66 | 5.681G | 67 | 5.263G | 68  | 5.578G |
| 69 | 5.294G | 70 | 5.629G | 71 | 5.310G | 72  | 5.607G |
| 73 | 5.322G | 74 | 5.616G | 75 | 5.534G | 76  | 5.673G |
| 77 | 5.411G | 78 | 5.615G | 79 | 5.536G | 80  | 5.285G |
| 81 | 5.648G | 82 | 5.330G | 83 | 5.498G | 84  | 5.458G |
| 85 | 5.374G | 86 | 5.389G | 87 | 5.610G | 88  | 5.274G |
| 89 | 5.676G | 90 | 5.601G | 91 | 5.495G | 92  | 5.520G |
| 93 | 5.644G | 94 | 5.521G | 95 | 5.407G | 96  | 5.404G |
| 97 | 5.437G | 98 | 5.633G | 99 | 5.654G | 100 | 5.267G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.371G            | 2    | 5.447G            | 3    | 5.295G            | 4    | 5.475G            |
| 5                                                | 5.315G            | 6    | 5.417G            | 7    | 5.576G            | 8    | 5.543G            |
| 9                                                | 5.274G            | 10   | 5.354G            | 11   | 5.487G            | 12   | 5.286G            |
| 13                                               | 5.495G            | 14   | 5.521G            | 15   | 5.527G            | 16   | 5.296G            |
| 17                                               | 5.458G            | 18   | 5.549G            | 19   | 5.476G            | 20   | 5.445G            |
| 21                                               | 5.613G            | 22   | 5.653G            | 23   | 5.510G            | 24   | 5.656G            |
| 25                                               | 5.383G            | 26   | 5.506G            | 27   | 5.273G            | 28   | 5.702G            |
| 29                                               | 5.312G            | 30   | 5.331G            | 31   | 5.492G            | 32   | 5.443G            |
| 33                                               | 5.522G            | 34   | 5.427G            | 35   | 5.338G            | 36   | 5.674G            |
| 37                                               | 5.638G            | 38   | 5.694G            | 39   | 5.636G            | 40   | 5.572G            |
| 41                                               | 5.570G            | 42   | 5.419G            | 43   | 5.715G            | 44   | 5.384G            |
| 45                                               | 5.645G            | 46   | 5.307G            | 47   | 5.300G            | 48   | 5.633G            |
| 49                                               | 5.707G            | 50   | 5.260G            | 51   | 5.683G            | 52   | 5.374G            |
| 53                                               | 5.632G            | 54   | 5.666G            | 55   | 5.689G            | 56   | 5.609G            |
| 57                                               | 5.563G            | 58   | 5.682G            | 59   | 5.435G            | 60   | 5.252G            |
| 61                                               | 5.272G            | 62   | 5.469G            | 63   | 5.375G            | 64   | 5.423G            |
| 65                                               | 5.639G            | 66   | 5.403G            | 67   | 5.542G            | 68   | 5.471G            |
| 69                                               | 5.512G            | 70   | 5.455G            | 71   | 5.278G            | 72   | 5.405G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.253G | 74 | 5.438G | 75 | 5.473G | 76  | 5.292G |
| 77 | 5.626G | 78 | 5.343G | 79 | 5.667G | 80  | 5.267G |
| 81 | 5.498G | 82 | 5.545G | 83 | 5.400G | 84  | 5.655G |
| 85 | 5.451G | 86 | 5.529G | 87 | 5.285G | 88  | 5.416G |
| 89 | 5.577G | 90 | 5.325G | 91 | 5.554G | 92  | 5.568G |
| 93 | 5.519G | 94 | 5.566G | 95 | 5.380G | 96  | 5.693G |
| 97 | 5.479G | 98 | 5.298G | 99 | 5.481G | 100 | 5.442G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.517G            | 2    | 5.386G            | 3    | 5.347G            | 4    | 5.448G            |
| 5                                                | 5.356G            | 6    | 5.667G            | 7    | 5.291G            | 8    | 5.538G            |
| 9                                                | 5.714G            | 10   | 5.257G            | 11   | 5.387G            | 12   | 5.644G            |
| 13                                               | 5.293G            | 14   | 5.504G            | 15   | 5.657G            | 16   | 5.596G            |
| 17                                               | 5.480G            | 18   | 5.638G            | 19   | 5.631G            | 20   | 5.682G            |
| 21                                               | 5.699G            | 22   | 5.519G            | 23   | 5.696G            | 24   | 5.558G            |
| 25                                               | 5.721G            | 26   | 5.705G            | 27   | 5.358G            | 28   | 5.365G            |
| 29                                               | 5.641G            | 30   | 5.399G            | 31   | 5.462G            | 32   | 5.340G            |
| 33                                               | 5.625G            | 34   | 5.254G            | 35   | 5.713G            | 36   | 5.272G            |
| 37                                               | 5.343G            | 38   | 5.712G            | 39   | 5.686G            | 40   | 5.666G            |
| 41                                               | 5.264G            | 42   | 5.718G            | 43   | 5.273G            | 44   | 5.430G            |
| 45                                               | 5.453G            | 46   | 5.537G            | 47   | 5.630G            | 48   | 5.674G            |
| 49                                               | 5.385G            | 50   | 5.455G            | 51   | 5.433G            | 52   | 5.389G            |
| 53                                               | 5.550G            | 54   | 5.336G            | 55   | 5.577G            | 56   | 5.582G            |
| 57                                               | 5.529G            | 58   | 5.578G            | 59   | 5.408G            | 60   | 5.594G            |
| 61                                               | 5.524G            | 62   | 5.518G            | 63   | 5.307G            | 64   | 5.417G            |
| 65                                               | 5.299G            | 66   | 5.338G            | 67   | 5.393G            | 68   | 5.319G            |
| 69                                               | 5.405G            | 70   | 5.516G            | 71   | 5.391G            | 72   | 5.560G            |
| 73                                               | 5.411G            | 74   | 5.655G            | 75   | 5.653G            | 76   | 5.328G            |
| 77                                               | 5.499G            | 78   | 5.348G            | 79   | 5.722G            | 80   | 5.521G            |
| 81                                               | 5.341G            | 82   | 5.506G            | 83   | 5.422G            | 84   | 5.324G            |
| 85                                               | 5.645G            | 86   | 5.583G            | 87   | 5.597G            | 88   | 5.684G            |
| 89                                               | 5.271G            | 90   | 5.419G            | 91   | 5.672G            | 92   | 5.364G            |
| 93                                               | 5.279G            | 94   | 5.315G            | 95   | 5.366G            | 96   | 5.624G            |
| 97                                               | 5.494G            | 98   | 5.255G            | 99   | 5.382G            | 100  | 5.440G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.506G            | 2    | 5.256G            | 3    | 5.686G            | 4    | 5.406G            |
| 5                                                | 5.443G            | 6    | 5.716G            | 7    | 5.719G            | 8    | 5.660G            |
| 9                                                | 5.519G            | 10   | 5.690G            | 11   | 5.569G            | 12   | 5.365G            |
| 13                                               | 5.645G            | 14   | 5.654G            | 15   | 5.417G            | 16   | 5.402G            |
| 17                                               | 5.625G            | 18   | 5.477G            | 19   | 5.277G            | 20   | 5.388G            |
| 21                                               | 5.580G            | 22   | 5.581G            | 23   | 5.682G            | 24   | 5.289G            |
| 25                                               | 5.607G            | 26   | 5.720G            | 27   | 5.634G            | 28   | 5.263G            |
| 29                                               | 5.395G            | 30   | 5.513G            | 31   | 5.511G            | 32   | 5.677G            |
| 33                                               | 5.692G            | 34   | 5.463G            | 35   | 5.383G            | 36   | 5.604G            |
| 37                                               | 5.687G            | 38   | 5.614G            | 39   | 5.315G            | 40   | 5.502G            |
| 41                                               | 5.309G            | 42   | 5.526G            | 43   | 5.662G            | 44   | 5.352G            |
| 45                                               | 5.495G            | 46   | 5.508G            | 47   | 5.487G            | 48   | 5.366G            |
| 49                                               | 5.313G            | 50   | 5.343G            | 51   | 5.599G            | 52   | 5.320G            |
| 53                                               | 5.430G            | 54   | 5.408G            | 55   | 5.629G            | 56   | 5.722G            |
| 57                                               | 5.585G            | 58   | 5.706G            | 59   | 5.280G            | 60   | 5.387G            |
| 61                                               | 5.415G            | 62   | 5.381G            | 63   | 5.510G            | 64   | 5.471G            |
| 65                                               | 5.299G            | 66   | 5.566G            | 67   | 5.550G            | 68   | 5.468G            |
| 69                                               | 5.563G            | 70   | 5.393G            | 71   | 5.691G            | 72   | 5.539G            |
| 73                                               | 5.721G            | 74   | 5.707G            | 75   | 5.681G            | 76   | 5.591G            |
| 77                                               | 5.536G            | 78   | 5.701G            | 79   | 5.708G            | 80   | 5.621G            |
| 81                                               | 5.453G            | 82   | 5.715G            | 83   | 5.446G            | 84   | 5.254G            |
| 85                                               | 5.649G            | 86   | 5.276G            | 87   | 5.449G            | 88   | 5.357G            |
| 89                                               | 5.396G            | 90   | 5.622G            | 91   | 5.638G            | 92   | 5.287G            |
| 93                                               | 5.616G            | 94   | 5.680G            | 95   | 5.610G            | 96   | 5.601G            |
| 97                                               | 5.259G            | 98   | 5.483G            | 99   | 5.596G            | 100  | 5.640G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.710G            | 2    | 5.546G            | 3    | 5.289G            | 4    | 5.331G            |
| 5                                                | 5.419G            | 6    | 5.552G            | 7    | 5.663G            | 8    | 5.543G            |
| 9                                                | 5.467G            | 10   | 5.330G            | 11   | 5.435G            | 12   | 5.603G            |
| 13                                               | 5.724G            | 14   | 5.634G            | 15   | 5.469G            | 16   | 5.495G            |
| 17                                               | 5.259G            | 18   | 5.581G            | 19   | 5.487G            | 20   | 5.563G            |
| 21                                               | 5.610G            | 22   | 5.651G            | 23   | 5.407G            | 24   | 5.699G            |
| 25                                               | 5.398G            | 26   | 5.612G            | 27   | 5.387G            | 28   | 5.277G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.712G | 30 | 5.571G | 31 | 5.444G | 32  | 5.607G |
| 33 | 5.290G | 34 | 5.388G | 35 | 5.601G | 36  | 5.297G |
| 37 | 5.293G | 38 | 5.465G | 39 | 5.349G | 40  | 5.381G |
| 41 | 5.723G | 42 | 5.428G | 43 | 5.448G | 44  | 5.284G |
| 45 | 5.510G | 46 | 5.527G | 47 | 5.504G | 48  | 5.598G |
| 49 | 5.609G | 50 | 5.362G | 51 | 5.640G | 52  | 5.458G |
| 53 | 5.393G | 54 | 5.347G | 55 | 5.478G | 56  | 5.568G |
| 57 | 5.451G | 58 | 5.320G | 59 | 5.459G | 60  | 5.368G |
| 61 | 5.644G | 62 | 5.673G | 63 | 5.449G | 64  | 5.391G |
| 65 | 5.375G | 66 | 5.570G | 67 | 5.309G | 68  | 5.540G |
| 69 | 5.692G | 70 | 5.539G | 71 | 5.698G | 72  | 5.691G |
| 73 | 5.285G | 74 | 5.361G | 75 | 5.281G | 76  | 5.486G |
| 77 | 5.628G | 78 | 5.721G | 79 | 5.573G | 80  | 5.605G |
| 81 | 5.295G | 82 | 5.376G | 83 | 5.298G | 84  | 5.355G |
| 85 | 5.536G | 86 | 5.338G | 87 | 5.709G | 88  | 5.390G |
| 89 | 5.575G | 90 | 5.475G | 91 | 5.429G | 92  | 5.503G |
| 93 | 5.505G | 94 | 5.516G | 95 | 5.464G | 96  | 5.493G |
| 97 | 5.574G | 98 | 5.311G | 99 | 5.319G | 100 | 5.565G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.538G            | 2    | 5.393G            | 3    | 5.323G            | 4    | 5.571G            |
| 5                                                | 5.643G            | 6    | 5.353G            | 7    | 5.660G            | 8    | 5.668G            |
| 9                                                | 5.459G            | 10   | 5.454G            | 11   | 5.665G            | 12   | 5.573G            |
| 13                                               | 5.400G            | 14   | 5.277G            | 15   | 5.498G            | 16   | 5.406G            |
| 17                                               | 5.424G            | 18   | 5.595G            | 19   | 5.696G            | 20   | 5.597G            |
| 21                                               | 5.664G            | 22   | 5.255G            | 23   | 5.639G            | 24   | 5.389G            |
| 25                                               | 5.514G            | 26   | 5.576G            | 27   | 5.536G            | 28   | 5.642G            |
| 29                                               | 5.366G            | 30   | 5.336G            | 31   | 5.431G            | 32   | 5.518G            |
| 33                                               | 5.482G            | 34   | 5.345G            | 35   | 5.532G            | 36   | 5.297G            |
| 37                                               | 5.321G            | 38   | 5.589G            | 39   | 5.474G            | 40   | 5.686G            |
| 41                                               | 5.445G            | 42   | 5.362G            | 43   | 5.702G            | 44   | 5.288G            |
| 45                                               | 5.456G            | 46   | 5.631G            | 47   | 5.259G            | 48   | 5.577G            |
| 49                                               | 5.282G            | 50   | 5.387G            | 51   | 5.372G            | 52   | 5.303G            |
| 53                                               | 5.593G            | 54   | 5.635G            | 55   | 5.477G            | 56   | 5.691G            |
| 57                                               | 5.339G            | 58   | 5.446G            | 59   | 5.275G            | 60   | 5.533G            |
| 61                                               | 5.697G            | 62   | 5.606G            | 63   | 5.414G            | 64   | 5.268G            |
| 65                                               | 5.652G            | 66   | 5.442G            | 67   | 5.687G            | 68   | 5.348G            |
| 69                                               | 5.318G            | 70   | 5.542G            | 71   | 5.319G            | 72   | 5.616G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.250G | 74 | 5.556G | 75 | 5.486G | 76  | 5.419G |
| 77 | 5.695G | 78 | 5.379G | 79 | 5.545G | 80  | 5.401G |
| 81 | 5.485G | 82 | 5.280G | 83 | 5.548G | 84  | 5.262G |
| 85 | 5.363G | 86 | 5.581G | 87 | 5.516G | 88  | 5.554G |
| 89 | 5.579G | 90 | 5.596G | 91 | 5.376G | 92  | 5.479G |
| 93 | 5.563G | 94 | 5.505G | 95 | 5.298G | 96  | 5.347G |
| 97 | 5.549G | 98 | 5.524G | 99 | 5.410G | 100 | 5.291G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.674G            | 2    | 5.475G            | 3    | 5.290G            | 4    | 5.341G            |
| 5                                                | 5.404G            | 6    | 5.336G            | 7    | 5.428G            | 8    | 5.429G            |
| 9                                                | 5.583G            | 10   | 5.611G            | 11   | 5.608G            | 12   | 5.511G            |
| 13                                               | 5.427G            | 14   | 5.305G            | 15   | 5.701G            | 16   | 5.619G            |
| 17                                               | 5.303G            | 18   | 5.626G            | 19   | 5.684G            | 20   | 5.719G            |
| 21                                               | 5.614G            | 22   | 5.301G            | 23   | 5.355G            | 24   | 5.252G            |
| 25                                               | 5.327G            | 26   | 5.379G            | 27   | 5.682G            | 28   | 5.395G            |
| 29                                               | 5.576G            | 30   | 5.575G            | 31   | 5.293G            | 32   | 5.461G            |
| 33                                               | 5.538G            | 34   | 5.493G            | 35   | 5.348G            | 36   | 5.268G            |
| 37                                               | 5.665G            | 38   | 5.332G            | 39   | 5.699G            | 40   | 5.679G            |
| 41                                               | 5.598G            | 42   | 5.484G            | 43   | 5.307G            | 44   | 5.559G            |
| 45                                               | 5.331G            | 46   | 5.383G            | 47   | 5.660G            | 48   | 5.451G            |
| 49                                               | 5.328G            | 50   | 5.573G            | 51   | 5.693G            | 52   | 5.387G            |
| 53                                               | 5.636G            | 54   | 5.605G            | 55   | 5.285G            | 56   | 5.691G            |
| 57                                               | 5.506G            | 58   | 5.510G            | 59   | 5.597G            | 60   | 5.476G            |
| 61                                               | 5.666G            | 62   | 5.517G            | 63   | 5.600G            | 64   | 5.337G            |
| 65                                               | 5.500G            | 66   | 5.460G            | 67   | 5.703G            | 68   | 5.425G            |
| 69                                               | 5.670G            | 70   | 5.555G            | 71   | 5.564G            | 72   | 5.250G            |
| 73                                               | 5.570G            | 74   | 5.507G            | 75   | 5.596G            | 76   | 5.482G            |
| 77                                               | 5.519G            | 78   | 5.662G            | 79   | 5.257G            | 80   | 5.491G            |
| 81                                               | 5.412G            | 82   | 5.292G            | 83   | 5.400G            | 84   | 5.295G            |
| 85                                               | 5.525G            | 86   | 5.453G            | 87   | 5.560G            | 88   | 5.592G            |
| 89                                               | 5.364G            | 90   | 5.494G            | 91   | 5.687G            | 92   | 5.351G            |
| 93                                               | 5.297G            | 94   | 5.577G            | 95   | 5.612G            | 96   | 5.463G            |
| 97                                               | 5.349G            | 98   | 5.552G            | 99   | 5.492G            | 100  | 5.546G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.270G            | 2    | 5.525G            | 3    | 5.527G            | 4    | 5.628G            |
| 5                                                | 5.402G            | 6    | 5.639G            | 7    | 5.615G            | 8    | 5.369G            |
| 9                                                | 5.302G            | 10   | 5.456G            | 11   | 5.250G            | 12   | 5.407G            |
| 13                                               | 5.362G            | 14   | 5.435G            | 15   | 5.252G            | 16   | 5.698G            |
| 17                                               | 5.660G            | 18   | 5.442G            | 19   | 5.385G            | 20   | 5.359G            |
| 21                                               | 5.685G            | 22   | 5.263G            | 23   | 5.404G            | 24   | 5.387G            |
| 25                                               | 5.661G            | 26   | 5.510G            | 27   | 5.449G            | 28   | 5.395G            |
| 29                                               | 5.704G            | 30   | 5.496G            | 31   | 5.467G            | 32   | 5.554G            |
| 33                                               | 5.257G            | 34   | 5.393G            | 35   | 5.305G            | 36   | 5.572G            |
| 37                                               | 5.700G            | 38   | 5.373G            | 39   | 5.548G            | 40   | 5.320G            |
| 41                                               | 5.392G            | 42   | 5.296G            | 43   | 5.274G            | 44   | 5.610G            |
| 45                                               | 5.611G            | 46   | 5.581G            | 47   | 5.409G            | 48   | 5.390G            |
| 49                                               | 5.451G            | 50   | 5.376G            | 51   | 5.417G            | 52   | 5.523G            |
| 53                                               | 5.282G            | 54   | 5.432G            | 55   | 5.546G            | 56   | 5.497G            |
| 57                                               | 5.355G            | 58   | 5.276G            | 59   | 5.342G            | 60   | 5.327G            |
| 61                                               | 5.637G            | 62   | 5.289G            | 63   | 5.293G            | 64   | 5.539G            |
| 65                                               | 5.627G            | 66   | 5.379G            | 67   | 5.299G            | 68   | 5.427G            |
| 69                                               | 5.595G            | 70   | 5.553G            | 71   | 5.315G            | 72   | 5.669G            |
| 73                                               | 5.709G            | 74   | 5.405G            | 75   | 5.587G            | 76   | 5.360G            |
| 77                                               | 5.663G            | 78   | 5.461G            | 79   | 5.565G            | 80   | 5.275G            |
| 81                                               | 5.308G            | 82   | 5.487G            | 83   | 5.620G            | 84   | 5.540G            |
| 85                                               | 5.469G            | 86   | 5.561G            | 87   | 5.545G            | 88   | 5.597G            |
| 89                                               | 5.536G            | 90   | 5.506G            | 91   | 5.318G            | 92   | 5.697G            |
| 93                                               | 5.295G            | 94   | 5.519G            | 95   | 5.560G            | 96   | 5.389G            |
| 97                                               | 5.719G            | 98   | 5.654G            | 99   | 5.336G            | 100  | 5.608G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.288G            | 2    | 5.441G            | 3    | 5.682G            | 4    | 5.304G            |
| 5                                                | 5.313G            | 6    | 5.446G            | 7    | 5.442G            | 8    | 5.612G            |
| 9                                                | 5.345G            | 10   | 5.337G            | 11   | 5.557G            | 12   | 5.638G            |
| 13                                               | 5.427G            | 14   | 5.303G            | 15   | 5.298G            | 16   | 5.592G            |
| 17                                               | 5.267G            | 18   | 5.717G            | 19   | 5.568G            | 20   | 5.320G            |
| 21                                               | 5.697G            | 22   | 5.541G            | 23   | 5.667G            | 24   | 5.506G            |
| 25                                               | 5.423G            | 26   | 5.518G            | 27   | 5.575G            | 28   | 5.413G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.527G | 30 | 5.283G | 31 | 5.709G | 32  | 5.469G |
| 33 | 5.554G | 34 | 5.418G | 35 | 5.250G | 36  | 5.495G |
| 37 | 5.366G | 38 | 5.681G | 39 | 5.716G | 40  | 5.471G |
| 41 | 5.302G | 42 | 5.628G | 43 | 5.534G | 44  | 5.698G |
| 45 | 5.439G | 46 | 5.510G | 47 | 5.673G | 48  | 5.408G |
| 49 | 5.624G | 50 | 5.280G | 51 | 5.473G | 52  | 5.676G |
| 53 | 5.582G | 54 | 5.400G | 55 | 5.648G | 56  | 5.383G |
| 57 | 5.626G | 58 | 5.358G | 59 | 5.296G | 60  | 5.641G |
| 61 | 5.690G | 62 | 5.608G | 63 | 5.365G | 64  | 5.397G |
| 65 | 5.629G | 66 | 5.647G | 67 | 5.620G | 68  | 5.493G |
| 69 | 5.417G | 70 | 5.570G | 71 | 5.596G | 72  | 5.581G |
| 73 | 5.285G | 74 | 5.606G | 75 | 5.654G | 76  | 5.445G |
| 77 | 5.318G | 78 | 5.404G | 79 | 5.553G | 80  | 5.335G |
| 81 | 5.378G | 82 | 5.505G | 83 | 5.694G | 84  | 5.487G |
| 85 | 5.715G | 86 | 5.269G | 87 | 5.552G | 88  | 5.287G |
| 89 | 5.315G | 90 | 5.289G | 91 | 5.422G | 92  | 5.431G |
| 93 | 5.569G | 94 | 5.507G | 95 | 5.478G | 96  | 5.464G |
| 97 | 5.702G | 98 | 5.347G | 99 | 5.275G | 100 | 5.409G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.521G            | 2    | 5.425G            | 3    | 5.711G            | 4    | 5.694G            |
| 5                                                | 5.679G            | 6    | 5.449G            | 7    | 5.723G            | 8    | 5.440G            |
| 9                                                | 5.279G            | 10   | 5.442G            | 11   | 5.700G            | 12   | 5.326G            |
| 13                                               | 5.286G            | 14   | 5.608G            | 15   | 5.664G            | 16   | 5.265G            |
| 17                                               | 5.395G            | 18   | 5.687G            | 19   | 5.258G            | 20   | 5.656G            |
| 21                                               | 5.348G            | 22   | 5.319G            | 23   | 5.306G            | 24   | 5.412G            |
| 25                                               | 5.624G            | 26   | 5.556G            | 27   | 5.420G            | 28   | 5.457G            |
| 29                                               | 5.404G            | 30   | 5.693G            | 31   | 5.640G            | 32   | 5.606G            |
| 33                                               | 5.627G            | 34   | 5.367G            | 35   | 5.387G            | 36   | 5.401G            |
| 37                                               | 5.441G            | 38   | 5.580G            | 39   | 5.398G            | 40   | 5.274G            |
| 41                                               | 5.323G            | 42   | 5.651G            | 43   | 5.386G            | 44   | 5.683G            |
| 45                                               | 5.300G            | 46   | 5.283G            | 47   | 5.655G            | 48   | 5.638G            |
| 49                                               | 5.487G            | 50   | 5.705G            | 51   | 5.358G            | 52   | 5.600G            |
| 53                                               | 5.559G            | 54   | 5.261G            | 55   | 5.614G            | 56   | 5.581G            |
| 57                                               | 5.409G            | 58   | 5.424G            | 59   | 5.322G            | 60   | 5.292G            |
| 61                                               | 5.263G            | 62   | 5.667G            | 63   | 5.682G            | 64   | 5.397G            |
| 65                                               | 5.264G            | 66   | 5.482G            | 67   | 5.713G            | 68   | 5.302G            |
| 69                                               | 5.650G            | 70   | 5.572G            | 71   | 5.464G            | 72   | 5.686G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.351G | 74 | 5.562G | 75 | 5.573G | 76  | 5.355G |
| 77 | 5.724G | 78 | 5.550G | 79 | 5.476G | 80  | 5.603G |
| 81 | 5.450G | 82 | 5.601G | 83 | 5.684G | 84  | 5.592G |
| 85 | 5.354G | 86 | 5.255G | 87 | 5.359G | 88  | 5.568G |
| 89 | 5.702G | 90 | 5.692G | 91 | 5.336G | 92  | 5.639G |
| 93 | 5.484G | 94 | 5.637G | 95 | 5.477G | 96  | 5.520G |
| 97 | 5.327G | 98 | 5.378G | 99 | 5.461G | 100 | 5.501G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.461G         | 2    | 5.451G         | 3    | 5.572G         | 4    | 5.600G         |
| 5                                                | 5.561G         | 6    | 5.338G         | 7    | 5.515G         | 8    | 5.403G         |
| 9                                                | 5.527G         | 10   | 5.628G         | 11   | 5.654G         | 12   | 5.544G         |
| 13                                               | 5.367G         | 14   | 5.353G         | 15   | 5.665G         | 16   | 5.573G         |
| 17                                               | 5.377G         | 18   | 5.534G         | 19   | 5.432G         | 20   | 5.621G         |
| 21                                               | 5.302G         | 22   | 5.414G         | 23   | 5.560G         | 24   | 5.574G         |
| 25                                               | 5.381G         | 26   | 5.533G         | 27   | 5.546G         | 28   | 5.404G         |
| 29                                               | 5.700G         | 30   | 5.325G         | 31   | 5.355G         | 32   | 5.685G         |
| 33                                               | 5.588G         | 34   | 5.625G         | 35   | 5.294G         | 36   | 5.505G         |
| 37                                               | 5.344G         | 38   | 5.352G         | 39   | 5.630G         | 40   | 5.599G         |
| 41                                               | 5.430G         | 42   | 5.495G         | 43   | 5.431G         | 44   | 5.253G         |
| 45                                               | 5.714G         | 46   | 5.258G         | 47   | 5.691G         | 48   | 5.719G         |
| 49                                               | 5.287G         | 50   | 5.557G         | 51   | 5.623G         | 52   | 5.343G         |
| 53                                               | 5.682G         | 54   | 5.717G         | 55   | 5.408G         | 56   | 5.526G         |
| 57                                               | 5.569G         | 58   | 5.393G         | 59   | 5.452G         | 60   | 5.549G         |
| 61                                               | 5.705G         | 62   | 5.375G         | 63   | 5.271G         | 64   | 5.264G         |
| 65                                               | 5.470G         | 66   | 5.674G         | 67   | 5.312G         | 68   | 5.389G         |
| 69                                               | 5.341G         | 70   | 5.358G         | 71   | 5.394G         | 72   | 5.440G         |
| 73                                               | 5.493G         | 74   | 5.538G         | 75   | 5.604G         | 76   | 5.699G         |
| 77                                               | 5.554G         | 78   | 5.586G         | 79   | 5.380G         | 80   | 5.454G         |
| 81                                               | 5.662G         | 82   | 5.304G         | 83   | 5.443G         | 84   | 5.267G         |
| 85                                               | 5.649G         | 86   | 5.364G         | 87   | 5.487G         | 88   | 5.636G         |
| 89                                               | 5.276G         | 90   | 5.360G         | 91   | 5.722G         | 92   | 5.694G         |
| 93                                               | 5.616G         | 94   | 5.255G         | 95   | 5.351G         | 96   | 5.424G         |
| 97                                               | 5.279G         | 98   | 5.663G         | 99   | 5.382G         | 100  | 5.373G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.536G            | 2    | 5.267G            | 3    | 5.257G            | 4    | 5.254G            |
| 5                                                | 5.720G            | 6    | 5.325G            | 7    | 5.329G            | 8    | 5.393G            |
| 9                                                | 5.689G            | 10   | 5.621G            | 11   | 5.601G            | 12   | 5.464G            |
| 13                                               | 5.700G            | 14   | 5.261G            | 15   | 5.418G            | 16   | 5.270G            |
| 17                                               | 5.417G            | 18   | 5.702G            | 19   | 5.341G            | 20   | 5.565G            |
| 21                                               | 5.573G            | 22   | 5.310G            | 23   | 5.537G            | 24   | 5.612G            |
| 25                                               | 5.495G            | 26   | 5.314G            | 27   | 5.714G            | 28   | 5.723G            |
| 29                                               | 5.292G            | 30   | 5.369G            | 31   | 5.401G            | 32   | 5.378G            |
| 33                                               | 5.716G            | 34   | 5.311G            | 35   | 5.667G            | 36   | 5.455G            |
| 37                                               | 5.467G            | 38   | 5.336G            | 39   | 5.520G            | 40   | 5.600G            |
| 41                                               | 5.535G            | 42   | 5.595G            | 43   | 5.604G            | 44   | 5.363G            |
| 45                                               | 5.696G            | 46   | 5.472G            | 47   | 5.677G            | 48   | 5.598G            |
| 49                                               | 5.425G            | 50   | 5.391G            | 51   | 5.660G            | 52   | 5.650G            |
| 53                                               | 5.352G            | 54   | 5.586G            | 55   | 5.360G            | 56   | 5.371G            |
| 57                                               | 5.532G            | 58   | 5.420G            | 59   | 5.692G            | 60   | 5.454G            |
| 61                                               | 5.579G            | 62   | 5.539G            | 63   | 5.617G            | 64   | 5.516G            |
| 65                                               | 5.498G            | 66   | 5.649G            | 67   | 5.452G            | 68   | 5.514G            |
| 69                                               | 5.412G            | 70   | 5.293G            | 71   | 5.668G            | 72   | 5.574G            |
| 73                                               | 5.547G            | 74   | 5.424G            | 75   | 5.326G            | 76   | 5.722G            |
| 77                                               | 5.524G            | 78   | 5.289G            | 79   | 5.258G            | 80   | 5.713G            |
| 81                                               | 5.451G            | 82   | 5.251G            | 83   | 5.618G            | 84   | 5.357G            |
| 85                                               | 5.446G            | 86   | 5.348G            | 87   | 5.427G            | 88   | 5.681G            |
| 89                                               | 5.544G            | 90   | 5.260G            | 91   | 5.606G            | 92   | 5.280G            |
| 93                                               | 5.501G            | 94   | 5.438G            | 95   | 5.474G            | 96   | 5.284G            |
| 97                                               | 5.382G            | 98   | 5.376G            | 99   | 5.444G            | 100  | 5.496G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.635G            | 2    | 5.651G            | 3    | 5.269G            | 4    | 5.372G            |
| 5                                                | 5.328G            | 6    | 5.410G            | 7    | 5.344G            | 8    | 5.563G            |
| 9                                                | 5.250G            | 10   | 5.420G            | 11   | 5.549G            | 12   | 5.565G            |
| 13                                               | 5.346G            | 14   | 5.682G            | 15   | 5.548G            | 16   | 5.632G            |
| 17                                               | 5.573G            | 18   | 5.614G            | 19   | 5.376G            | 20   | 5.690G            |
| 21                                               | 5.495G            | 22   | 5.409G            | 23   | 5.348G            | 24   | 5.648G            |
| 25                                               | 5.469G            | 26   | 5.666G            | 27   | 5.272G            | 28   | 5.408G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.584G | 30 | 5.571G | 31 | 5.553G | 32  | 5.425G |
| 33 | 5.512G | 34 | 5.619G | 35 | 5.386G | 36  | 5.368G |
| 37 | 5.318G | 38 | 5.620G | 39 | 5.609G | 40  | 5.336G |
| 41 | 5.560G | 42 | 5.424G | 43 | 5.610G | 44  | 5.429G |
| 45 | 5.433G | 46 | 5.680G | 47 | 5.313G | 48  | 5.366G |
| 49 | 5.576G | 50 | 5.396G | 51 | 5.669G | 52  | 5.663G |
| 53 | 5.283G | 54 | 5.562G | 55 | 5.270G | 56  | 5.697G |
| 57 | 5.481G | 58 | 5.668G | 59 | 5.533G | 60  | 5.688G |
| 61 | 5.487G | 62 | 5.305G | 63 | 5.389G | 64  | 5.589G |
| 65 | 5.296G | 66 | 5.364G | 67 | 5.597G | 68  | 5.494G |
| 69 | 5.419G | 70 | 5.698G | 71 | 5.427G | 72  | 5.662G |
| 73 | 5.397G | 74 | 5.261G | 75 | 5.444G | 76  | 5.465G |
| 77 | 5.678G | 78 | 5.498G | 79 | 5.684G | 80  | 5.629G |
| 81 | 5.464G | 82 | 5.282G | 83 | 5.251G | 84  | 5.700G |
| 85 | 5.473G | 86 | 5.634G | 87 | 5.567G | 88  | 5.380G |
| 89 | 5.460G | 90 | 5.468G | 91 | 5.362G | 92  | 5.527G |
| 93 | 5.539G | 94 | 5.720G | 95 | 5.439G | 96  | 5.704G |
| 97 | 5.438G | 98 | 5.339G | 99 | 5.583G | 100 | 5.486G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.370G            | 2    | 5.453G            | 3    | 5.644G            | 4    | 5.308G            |
| 5                                                | 5.373G            | 6    | 5.503G            | 7    | 5.257G            | 8    | 5.336G            |
| 9                                                | 5.387G            | 10   | 5.669G            | 11   | 5.319G            | 12   | 5.548G            |
| 13                                               | 5.273G            | 14   | 5.334G            | 15   | 5.663G            | 16   | 5.428G            |
| 17                                               | 5.492G            | 18   | 5.638G            | 19   | 5.295G            | 20   | 5.388G            |
| 21                                               | 5.512G            | 22   | 5.513G            | 23   | 5.455G            | 24   | 5.405G            |
| 25                                               | 5.496G            | 26   | 5.538G            | 27   | 5.596G            | 28   | 5.654G            |
| 29                                               | 5.368G            | 30   | 5.674G            | 31   | 5.279G            | 32   | 5.696G            |
| 33                                               | 5.277G            | 34   | 5.718G            | 35   | 5.600G            | 36   | 5.327G            |
| 37                                               | 5.660G            | 38   | 5.714G            | 39   | 5.723G            | 40   | 5.631G            |
| 41                                               | 5.539G            | 42   | 5.420G            | 43   | 5.482G            | 44   | 5.353G            |
| 45                                               | 5.345G            | 46   | 5.702G            | 47   | 5.390G            | 48   | 5.668G            |
| 49                                               | 5.349G            | 50   | 5.480G            | 51   | 5.534G            | 52   | 5.583G            |
| 53                                               | 5.256G            | 54   | 5.526G            | 55   | 5.643G            | 56   | 5.304G            |
| 57                                               | 5.435G            | 58   | 5.377G            | 59   | 5.264G            | 60   | 5.656G            |
| 61                                               | 5.450G            | 62   | 5.448G            | 63   | 5.298G            | 64   | 5.697G            |
| 65                                               | 5.282G            | 66   | 5.468G            | 67   | 5.586G            | 68   | 5.430G            |
| 69                                               | 5.561G            | 70   | 5.576G            | 71   | 5.401G            | 72   | 5.402G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.553G | 74 | 5.568G | 75 | 5.323G | 76  | 5.281G |
| 77 | 5.285G | 78 | 5.381G | 79 | 5.270G | 80  | 5.635G |
| 81 | 5.577G | 82 | 5.486G | 83 | 5.684G | 84  | 5.602G |
| 85 | 5.374G | 86 | 5.708G | 87 | 5.501G | 88  | 5.592G |
| 89 | 5.499G | 90 | 5.484G | 91 | 5.682G | 92  | 5.607G |
| 93 | 5.507G | 94 | 5.375G | 95 | 5.678G | 96  | 5.641G |
| 97 | 5.646G | 98 | 5.557G | 99 | 5.588G | 100 | 5.691G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.347G            | 2    | 5.450G            | 3    | 5.355G            | 4    | 5.604G            |
| 5                                                | 5.544G            | 6    | 5.673G            | 7    | 5.325G            | 8    | 5.523G            |
| 9                                                | 5.721G            | 10   | 5.585G            | 11   | 5.703G            | 12   | 5.475G            |
| 13                                               | 5.390G            | 14   | 5.525G            | 15   | 5.337G            | 16   | 5.267G            |
| 17                                               | 5.285G            | 18   | 5.320G            | 19   | 5.322G            | 20   | 5.281G            |
| 21                                               | 5.682G            | 22   | 5.675G            | 23   | 5.718G            | 24   | 5.669G            |
| 25                                               | 5.279G            | 26   | 5.269G            | 27   | 5.265G            | 28   | 5.636G            |
| 29                                               | 5.677G            | 30   | 5.483G            | 31   | 5.376G            | 32   | 5.495G            |
| 33                                               | 5.535G            | 34   | 5.335G            | 35   | 5.601G            | 36   | 5.275G            |
| 37                                               | 5.349G            | 38   | 5.368G            | 39   | 5.552G            | 40   | 5.521G            |
| 41                                               | 5.411G            | 42   | 5.417G            | 43   | 5.457G            | 44   | 5.303G            |
| 45                                               | 5.366G            | 46   | 5.709G            | 47   | 5.437G            | 48   | 5.292G            |
| 49                                               | 5.536G            | 50   | 5.298G            | 51   | 5.405G            | 52   | 5.333G            |
| 53                                               | 5.658G            | 54   | 5.354G            | 55   | 5.657G            | 56   | 5.623G            |
| 57                                               | 5.403G            | 58   | 5.421G            | 59   | 5.534G            | 60   | 5.491G            |
| 61                                               | 5.582G            | 62   | 5.713G            | 63   | 5.546G            | 64   | 5.428G            |
| 65                                               | 5.459G            | 66   | 5.435G            | 67   | 5.512G            | 68   | 5.352G            |
| 69                                               | 5.280G            | 70   | 5.440G            | 71   | 5.338G            | 72   | 5.487G            |
| 73                                               | 5.426G            | 74   | 5.288G            | 75   | 5.722G            | 76   | 5.705G            |
| 77                                               | 5.704G            | 78   | 5.628G            | 79   | 5.538G            | 80   | 5.478G            |
| 81                                               | 5.602G            | 82   | 5.434G            | 83   | 5.710G            | 84   | 5.441G            |
| 85                                               | 5.315G            | 86   | 5.717G            | 87   | 5.714G            | 88   | 5.569G            |
| 89                                               | 5.592G            | 90   | 5.461G            | 91   | 5.344G            | 92   | 5.622G            |
| 93                                               | 5.511G            | 94   | 5.460G            | 95   | 5.409G            | 96   | 5.668G            |
| 97                                               | 5.264G            | 98   | 5.517G            | 99   | 5.584G            | 100  | 5.259G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.449G            | 2    | 5.476G            | 3    | 5.473G            | 4    | 5.397G            |
| 5                                                | 5.508G            | 6    | 5.695G            | 7    | 5.656G            | 8    | 5.679G            |
| 9                                                | 5.435G            | 10   | 5.293G            | 11   | 5.618G            | 12   | 5.439G            |
| 13                                               | 5.468G            | 14   | 5.521G            | 15   | 5.563G            | 16   | 5.462G            |
| 17                                               | 5.633G            | 18   | 5.641G            | 19   | 5.533G            | 20   | 5.669G            |
| 21                                               | 5.486G            | 22   | 5.627G            | 23   | 5.403G            | 24   | 5.348G            |
| 25                                               | 5.614G            | 26   | 5.529G            | 27   | 5.671G            | 28   | 5.549G            |
| 29                                               | 5.638G            | 30   | 5.295G            | 31   | 5.518G            | 32   | 5.255G            |
| 33                                               | 5.432G            | 34   | 5.277G            | 35   | 5.709G            | 36   | 5.535G            |
| 37                                               | 5.286G            | 38   | 5.557G            | 39   | 5.619G            | 40   | 5.719G            |
| 41                                               | 5.259G            | 42   | 5.320G            | 43   | 5.639G            | 44   | 5.429G            |
| 45                                               | 5.451G            | 46   | 5.603G            | 47   | 5.382G            | 48   | 5.341G            |
| 49                                               | 5.357G            | 50   | 5.714G            | 51   | 5.377G            | 52   | 5.423G            |
| 53                                               | 5.580G            | 54   | 5.314G            | 55   | 5.335G            | 56   | 5.543G            |
| 57                                               | 5.278G            | 58   | 5.406G            | 59   | 5.676G            | 60   | 5.454G            |
| 61                                               | 5.591G            | 62   | 5.433G            | 63   | 5.632G            | 64   | 5.532G            |
| 65                                               | 5.697G            | 66   | 5.422G            | 67   | 5.478G            | 68   | 5.321G            |
| 69                                               | 5.381G            | 70   | 5.569G            | 71   | 5.398G            | 72   | 5.272G            |
| 73                                               | 5.500G            | 74   | 5.635G            | 75   | 5.280G            | 76   | 5.323G            |
| 77                                               | 5.516G            | 78   | 5.299G            | 79   | 5.710G            | 80   | 5.620G            |
| 81                                               | 5.675G            | 82   | 5.345G            | 83   | 5.362G            | 84   | 5.498G            |
| 85                                               | 5.322G            | 86   | 5.339G            | 87   | 5.552G            | 88   | 5.648G            |
| 89                                               | 5.541G            | 90   | 5.523G            | 91   | 5.337G            | 92   | 5.380G            |
| 93                                               | 5.650G            | 94   | 5.326G            | 95   | 5.418G            | 96   | 5.502G            |
| 97                                               | 5.351G            | 98   | 5.264G            | 99   | 5.626G            | 100  | 5.565G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.672G            | 2    | 5.293G            | 3    | 5.512G            | 4    | 5.436G            |
| 5                                                | 5.415G            | 6    | 5.447G            | 7    | 5.336G            | 8    | 5.636G            |
| 9                                                | 5.316G            | 10   | 5.650G            | 11   | 5.392G            | 12   | 5.567G            |
| 13                                               | 5.600G            | 14   | 5.668G            | 15   | 5.696G            | 16   | 5.459G            |
| 17                                               | 5.305G            | 18   | 5.396G            | 19   | 5.574G            | 20   | 5.587G            |
| 21                                               | 5.623G            | 22   | 5.644G            | 23   | 5.724G            | 24   | 5.442G            |
| 25                                               | 5.294G            | 26   | 5.548G            | 27   | 5.253G            | 28   | 5.443G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.542G | 30 | 5.258G | 31 | 5.261G | 32  | 5.353G |
| 33 | 5.515G | 34 | 5.430G | 35 | 5.648G | 36  | 5.344G |
| 37 | 5.296G | 38 | 5.462G | 39 | 5.514G | 40  | 5.709G |
| 41 | 5.562G | 42 | 5.622G | 43 | 5.540G | 44  | 5.365G |
| 45 | 5.417G | 46 | 5.255G | 47 | 5.513G | 48  | 5.639G |
| 49 | 5.621G | 50 | 5.494G | 51 | 5.358G | 52  | 5.398G |
| 53 | 5.700G | 54 | 5.569G | 55 | 5.378G | 56  | 5.420G |
| 57 | 5.444G | 58 | 5.572G | 59 | 5.362G | 60  | 5.297G |
| 61 | 5.712G | 62 | 5.519G | 63 | 5.303G | 64  | 5.505G |
| 65 | 5.486G | 66 | 5.466G | 67 | 5.597G | 68  | 5.427G |
| 69 | 5.448G | 70 | 5.460G | 71 | 5.310G | 72  | 5.502G |
| 73 | 5.590G | 74 | 5.487G | 75 | 5.625G | 76  | 5.581G |
| 77 | 5.431G | 78 | 5.723G | 79 | 5.545G | 80  | 5.264G |
| 81 | 5.651G | 82 | 5.338G | 83 | 5.301G | 84  | 5.299G |
| 85 | 5.346G | 86 | 5.713G | 87 | 5.282G | 88  | 5.286G |
| 89 | 5.559G | 90 | 5.593G | 91 | 5.533G | 92  | 5.278G |
| 93 | 5.266G | 94 | 5.332G | 95 | 5.380G | 96  | 5.350G |
| 97 | 5.483G | 98 | 5.682G | 99 | 5.414G | 100 | 5.428G |

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| Type 1 Radar Statistical Performances |                                            |                        |                  |            |                       |           |
|---------------------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| Trial #                               | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18                                         | 1165.6                 | 62               | 858        | 5544                  | Yes       |
| 2                                     | 20                                         | 1113.6                 | 59               | 898        | 5492                  | Yes       |
| 3                                     | 8                                          | 1519.8                 | 81               | 658        | 5497                  | Yes       |
| 4                                     | 19                                         | 1139                   | 61               | 878        | 5502                  | Yes       |
| 5                                     | 6                                          | 1618.1                 | 86               | 618        | 5523                  | Yes       |
| 6                                     | 12                                         | 1355                   | 72               | 738        | 5546                  | Yes       |
| 7                                     | 5                                          | 1672.2                 | 89               | 598        | 5509                  | Yes       |
| 8                                     | 7                                          | 1567.4                 | 83               | 638        | 5496                  | Yes       |
| 9                                     | 22                                         | 1066.1                 | 57               | 938        | 5557                  | Yes       |
| 10                                    | 2                                          | 1858.7                 | 99               | 538        | 5516                  | Yes       |
| 11                                    | 9                                          | 1474.9                 | 78               | 678        | 5533                  | Yes       |
| 12                                    | 14                                         | 1285.3                 | 68               | 778        | 5513                  | Yes       |
| 13                                    | 21                                         | 1089.3                 | 58               | 918        | 5503                  | Yes       |
| 14                                    | 10                                         | 1432.7                 | 76               | 698        | 5569                  | Yes       |
| 15                                    | 3                                          | 1792.1                 | 95               | 558        | 5548                  | Yes       |
| 16                                    |                                            |                        | 18               | 3051       | 5493                  | Yes       |
| 17                                    |                                            |                        | 23               | 2351       | 5507                  | Yes       |
| 18                                    |                                            |                        | 58               | 921        | 5561                  | Yes       |
| 19                                    |                                            |                        | 34               | 1555       | 5511                  | Yes       |
| 20                                    |                                            |                        | 21               | 2590       | 5510                  | Yes       |
| 21                                    |                                            |                        | 34               | 1573       | 5514                  | Yes       |
| 22                                    |                                            |                        | 92               | 577        | 5535                  | Yes       |
| 23                                    |                                            |                        | 26               | 2087       | 5551                  | Yes       |
| 24                                    |                                            |                        | 53               | 997        | 5537                  | Yes       |
| 25                                    |                                            |                        | 23               | 2358       | 5545                  | Yes       |
| 26                                    |                                            |                        | 34               | 1566       | 5541                  | Yes       |
| 27                                    |                                            |                        | 22               | 2424       | 5556                  | Yes       |
| 28                                    |                                            |                        | 27               | 1994       | 5518                  | Yes       |
| 29                                    |                                            |                        | 28               | 1923       | 5519                  | Yes       |
| 30                                    |                                            |                        | 75               | 708        | 5501                  | Yes       |
| Detection Rate: 100 %                 |                                            |                        |                  |            |                       |           |

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 23               | 1.3                | 228        | 5519                  | Yes       |
| 2                                     | 26               | 3.2                | 172        | 5537                  | Yes       |
| 3                                     | 27               | 3.9                | 212        | 5527                  | Yes       |
| 4                                     | 24               | 1.9                | 213        | 5555                  | Yes       |
| 5                                     | 27               | 3.6                | 150        | 5544                  | Yes       |
| 6                                     | 26               | 3.3                | 158        | 5496                  | Yes       |
| 7                                     | 29               | 4.9                | 210        | 5530                  | Yes       |
| 8                                     | 23               | 1.3                | 223        | 5531                  | Yes       |
| 9                                     | 29               | 4.9                | 152        | 5517                  | Yes       |
| 10                                    | 27               | 3.3                | 190        | 5526                  | No        |
| 11                                    | 25               | 2.7                | 203        | 5501                  | Yes       |
| 12                                    | 29               | 5                  | 227        | 5551                  | Yes       |
| 13                                    | 26               | 3.3                | 196        | 5509                  | No        |
| 14                                    | 28               | 4.4                | 198        | 5562                  | Yes       |
| 15                                    | 24               | 1.9                | 161        | 5491                  | Yes       |
| 16                                    | 27               | 3.6                | 226        | 5539                  | Yes       |
| 17                                    | 26               | 2.8                | 181        | 5507                  | Yes       |
| 18                                    | 25               | 2.5                | 167        | 5561                  | No        |
| 19                                    | 23               | 1.3                | 178        | 5499                  | Yes       |
| 20                                    | 25               | 2.4                | 187        | 5569                  | Yes       |
| 21                                    | 29               | 4.8                | 153        | 5560                  | Yes       |
| 22                                    | 27               | 3.5                | 201        | 5559                  | Yes       |
| 23                                    | 23               | 1.3                | 166        | 5543                  | Yes       |
| 24                                    | 29               | 4.8                | 155        | 5508                  | Yes       |
| 25                                    | 28               | 4.3                | 221        | 5505                  | No        |
| 26                                    | 26               | 3.2                | 191        | 5497                  | Yes       |
| 27                                    | 24               | 1.7                | 192        | 5568                  | Yes       |
| 28                                    | 23               | 1.2                | 164        | 5518                  | Yes       |
| 29                                    | 25               | 2.4                | 154        | 5533                  | Yes       |
| 30                                    | 29               | 5                  | 207        | 5502                  | Yes       |
| Detection Rate:86.67 %                |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 6.3                | 403        | 5491                  | Yes       |
| 2                                     | 17               | 8.2                | 313        | 5518                  | Yes       |
| 3                                     | 18               | 8.9                | 214        | 5500                  | Yes       |
| 4                                     | 16               | 6.9                | 262        | 5517                  | No        |
| 5                                     | 17               | 8.6                | 273        | 5503                  | Yes       |
| 6                                     | 17               | 8.3                | 470        | 5552                  | Yes       |
| 7                                     | 18               | 9.9                | 453        | 5549                  | Yes       |
| 8                                     | 16               | 6.3                | 378        | 5530                  | Yes       |
| 9                                     | 18               | 9.9                | 483        | 5527                  | Yes       |
| 10                                    | 17               | 8.3                | 317        | 5499                  | Yes       |
| 11                                    | 17               | 7.7                | 385        | 5534                  | Yes       |
| 12                                    | 18               | 10                 | 275        | 5526                  | Yes       |
| 13                                    | 17               | 8.3                | 497        | 5564                  | Yes       |
| 14                                    | 18               | 9.4                | 420        | 5496                  | Yes       |
| 15                                    | 16               | 6.9                | 366        | 5515                  | Yes       |
| 16                                    | 17               | 8.6                | 414        | 5547                  | Yes       |
| 17                                    | 17               | 7.8                | 444        | 5507                  | Yes       |
| 18                                    | 17               | 7.5                | 427        | 5492                  | Yes       |
| 19                                    | 16               | 6.3                | 338        | 5535                  | Yes       |
| 20                                    | 17               | 7.4                | 436        | 5561                  | No        |
| 21                                    | 18               | 9.8                | 265        | 5511                  | Yes       |
| 22                                    | 17               | 8.5                | 451        | 5544                  | Yes       |
| 23                                    | 16               | 6.3                | 274        | 5540                  | No        |
| 24                                    | 18               | 9.8                | 417        | 5508                  | Yes       |
| 25                                    | 18               | 9.3                | 330        | 5497                  | Yes       |
| 26                                    | 17               | 8.2                | 472        | 5512                  | Yes       |
| 27                                    | 16               | 6.7                | 333        | 5523                  | Yes       |
| 28                                    | 16               | 6.2                | 377        | 5558                  | Yes       |
| 29                                    | 17               | 7.4                | 394        | 5513                  | Yes       |
| 30                                    | 18               | 10                 | 296        | 5538                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 12               | 11.7               | 403        | 5564                  | Yes       |
| 2                                     | 14               | 15.9               | 313        | 5563                  | Yes       |
| 3                                     | 15               | 17.4               | 214        | 5519                  | Yes       |
| 4                                     | 13               | 13.2               | 262        | 5552                  | No        |
| 5                                     | 15               | 16.8               | 273        | 5491                  | Yes       |
| 6                                     | 14               | 16.1               | 470        | 5507                  | No        |
| 7                                     | 16               | 19.8               | 453        | 5534                  | Yes       |
| 8                                     | 12               | 11.7               | 378        | 5500                  | Yes       |
| 9                                     | 16               | 19.8               | 483        | 5555                  | Yes       |
| 10                                    | 14               | 16.2               | 317        | 5523                  | Yes       |
| 11                                    | 14               | 14.8               | 385        | 5551                  | Yes       |
| 12                                    | 16               | 19.9               | 275        | 5492                  | No        |
| 13                                    | 14               | 16.1               | 497        | 5533                  | Yes       |
| 14                                    | 16               | 18.6               | 420        | 5556                  | Yes       |
| 15                                    | 13               | 13.2               | 366        | 5538                  | Yes       |
| 16                                    | 15               | 16.9               | 414        | 5553                  | Yes       |
| 17                                    | 14               | 15                 | 444        | 5496                  | Yes       |
| 18                                    | 13               | 14.4               | 427        | 5508                  | Yes       |
| 19                                    | 12               | 11.7               | 338        | 5516                  | Yes       |
| 20                                    | 13               | 14.2               | 436        | 5548                  | Yes       |
| 21                                    | 16               | 19.6               | 265        | 5567                  | Yes       |
| 22                                    | 15               | 16.5               | 451        | 5558                  | Yes       |
| 23                                    | 12               | 11.7               | 274        | 5525                  | Yes       |
| 24                                    | 16               | 19.4               | 417        | 5514                  | Yes       |
| 25                                    | 16               | 18.3               | 330        | 5550                  | Yes       |
| 26                                    | 14               | 15.9               | 472        | 5529                  | Yes       |
| 27                                    | 12               | 12.5               | 333        | 5506                  | Yes       |
| 28                                    | 12               | 11.5               | 377        | 5518                  | Yes       |
| 29                                    | 13               | 14.2               | 394        | 5542                  | Yes       |
| 30                                    | 16               | 19.8               | 296        | 5565                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                       |
|---------------------------------------|------------------|-----------------------|
| Trial #                               | Test Signal Name | Detection             |
| 1                                     | LP_Signal_01     | Yes                   |
| 2                                     | LP_Signal_02     | Yes                   |
| 3                                     | LP_Signal_03     | Yes                   |
| 4                                     | LP_Signal_04     | Yes                   |
| 5                                     | LP_Signal_05     | Yes                   |
| 6                                     | LP_Signal_06     | Yes                   |
| 7                                     | LP_Signal_07     | Yes                   |
| 8                                     | LP_Signal_08     | Yes                   |
| 9                                     | LP_Signal_09     | Yes                   |
| 10                                    | LP_Signal_10     | Yes                   |
| 11                                    | LP_Signal_11     | Yes                   |
| 12                                    | LP_Signal_12     | Yes                   |
| 13                                    | LP_Signal_13     | Yes                   |
| 14                                    | LP_Signal_14     | Yes                   |
| 15                                    | LP_Signal_15     | Yes                   |
| 16                                    | LP_Signal_16     | Yes                   |
| 17                                    | LP_Signal_17     | Yes                   |
| 18                                    | LP_Signal_18     | Yes                   |
| 19                                    | LP_Signal_19     | Yes                   |
| 20                                    | LP_Signal_20     | Yes                   |
| 21                                    | LP_Signal_21     | Yes                   |
| 22                                    | LP_Signal_22     | Yes                   |
| 23                                    | LP_Signal_23     | Yes                   |
| 24                                    | LP_Signal_24     | Yes                   |
| 25                                    | LP_Signal_25     | Yes                   |
| 26                                    | LP_Signal_26     | Yes                   |
| 27                                    | LP_Signal_27     | Yes                   |
| 28                                    | LP_Signal_28     | Yes                   |
| 29                                    | LP_Signal_29     | Yes                   |
| 30                                    | LP_Signal_30     | Yes                   |
|                                       |                  | Detection Rate: 100 % |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_01  
Number of Bursts in Trial: 13  
Chirp Center Frequency 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 11          | 71.4            | 1802.0     | 1484.0     | -          |
| 2     | 2                | 11          | 72.9            | 1618.0     | 1750.0     | -          |
| 3     | 1                | 11          | 52.9            | 1654.0     | -          | -          |
| 4     | 2                | 11          | 74.0            | 1742.0     | 1659.0     | -          |
| 5     | 1                | 11          | 63.4            | 1097.0     | -          | -          |
| 6     | 2                | 11          | 71.2            | 1072.0     | 1940.0     | -          |
| 7     | 3                | 11          | 97.0            | 1824.0     | 1300.0     | 1658.0     |
| 8     | 3                | 11          | 97.9            | 1279.0     | 1115.0     | 1411.0     |
| 9     | 1                | 11          | 54.5            | 1974.0     | -          | -          |
| 10    | 2                | 11          | 79.6            | 1304.0     | 1378.0     | -          |
| 11    | 3                | 11          | 96.2            | 1471.0     | 1233.0     | 1921.0     |
| 12    | 2                | 11          | 74.7            | 1177.0     | 1638.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_02  
Number of Bursts in Trial: 13  
Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 57.6            | 1988.0     | -          | -          |
| 2     | 1                | 12          | 64.1            | 1013.0     | -          | -          |
| 3     | 2                | 12          | 82.6            | 1611.0     | 1070.0     | -          |
| 4     | 2                | 12          | 82.3            | 1991.0     | 1683.0     | -          |
| 5     | 2                | 12          | 78.8            | 1702.0     | 1478.0     | -          |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 6  | 3 | 12 | 96.1 | 1813.0 | 1847.0 | 1995.0 |
| 7  | 3 | 12 | 90.0 | 1749.0 | 1346.0 | 1133.0 |
| 8  | 1 | 12 | 50.6 | 1710.0 | -      | -      |
| 9  | 1 | 12 | 52.8 | 1195.0 | -      | -      |
| 10 | 2 | 12 | 75.6 | 1861.0 | 1244.0 | -      |
| 11 | 1 | 12 | 58.8 | 1218.0 | -      | -      |
| 12 | 2 | 12 | 79.1 | 1544.0 | 1775.0 | -      |
| 13 | 1 | 12 | 65.7 | 1186.0 | -      | -      |
| 14 |   |    |      |        |        |        |
| 15 |   |    |      |        |        |        |
| 16 |   |    |      |        |        |        |
| 17 |   |    |      |        |        |        |
| 18 |   |    |      |        |        |        |
| 19 |   |    |      |        |        |        |
| 20 |   |    |      |        |        |        |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 8

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 5           | 83.6            | 1369.0     | 1139.0     | 1441.0     |
| 2     | 1                | 5           | 63.2            | 1909.0     | -          | -          |
| 3     | 1                | 5           | 51.6            | 1664.0     | -          | -          |
| 4     | 1                | 5           | 66.5            | 1883.0     | -          | -          |
| 5     | 2                | 5           | 75.5            | 1560.0     | 1335.0     | -          |
| 6     | 3                | 5           | 91.2            | 1144.0     | 1617.0     | 1582.0     |
| 7     | 3                | 5           | 95.9            | 1111.0     | 1312.0     | 1329.0     |
| 8     | 1                | 5           | 60.7            | 1754.0     | -          | -          |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 18 |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 14

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 89.3            | 1564.0     | 1977.0     | 1832.0     |
| 2     | 1                | 12          | 57.6            | 1639.0     | -          | -          |
| 3     | 2                | 12          | 74.3            | 1600.0     | 1127.0     | -          |
| 4     | 2                | 12          | 75.7            | 1631.0     | 1125.0     | -          |
| 5     | 3                | 12          | 94.3            | 1353.0     | 1464.0     | 1984.0     |
| 6     | 1                | 12          | 53.3            | 1030.0     | -          | -          |
| 7     | 2                | 12          | 70.7            | 1677.0     | 1798.0     | -          |
| 8     | 1                | 12          | 60.8            | 1836.0     | -          | -          |
| 9     | 1                | 12          | 63.4            | 1053.0     | -          | -          |
| 10    | 1                | 12          | 64.6            | 1899.0     | -          | -          |
| 11    | 2                | 12          | 82.6            | 1725.0     | 1082.0     | -          |
| 12    | 3                | 12          | 86.0            | 1272.0     | 1821.0     | 1171.0     |
| 13    | 2                | 12          | 69.9            | 1833.0     | 1765.0     | -          |
| 14    | 2                | 12          | 79.9            | 1102.0     | 1385.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 9           | 51.3            | 1017.0     | -          | -          |
| 2     | 2                | 9           | 70.5            | 1275.0     | 1651.0     | -          |
| 3     | 2                | 9           | 72.8            | 1868.0     | 1107.0     | -          |
| 4     | 3                | 9           | 88.8            | 1682.0     | 1496.0     | 1714.0     |
| 5     | 1                | 9           | 58.0            | 1389.0     | -          | -          |
| 6     | 1                | 9           | 66.1            | 1588.0     | -          | -          |
| 7     | 3                | 9           | 99.9            | 1242.0     | 1577.0     | 1063.0     |
| 8     | 2                | 9           | 68.6            | 1035.0     | 1311.0     | -          |
| 9     | 3                | 9           | 97.3            | 1672.0     | 1578.0     | 1203.0     |
| 10    | 3                | 9           | 94.1            | 1660.0     | 1348.0     | 1783.0     |
| 11    | 3                | 9           | 94.9            | 1278.0     | 1058.0     | 1859.0     |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 13

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 11          | 97.8            | 1376.0     | 1735.0     | 1705.0     |
| 2     | 3                | 11          | 87.6            | 1264.0     | 1721.0     | 1020.0     |
| 3     | 3                | 11          | 83.7            | 1715.0     | 1246.0     | 1361.0     |

|    |   |    |      |        |        |        |
|----|---|----|------|--------|--------|--------|
| 4  | 3 | 11 | 96.3 | 1078.0 | 1815.0 | 1116.0 |
| 5  | 3 | 11 | 88.1 | 1176.0 | 1997.0 | 1302.0 |
| 6  | 1 | 11 | 54.1 | 1375.0 | -      | -      |
| 7  | 1 | 11 | 54.9 | 1168.0 | -      | -      |
| 8  | 2 | 11 | 78.9 | 1467.0 | 1657.0 | -      |
| 9  | 2 | 11 | 80.3 | 1148.0 | 1568.0 | -      |
| 10 | 2 | 11 | 68.3 | 1963.0 | 1402.0 | -      |
| 11 | 1 | 11 | 56.4 | 1848.0 | -      | -      |
| 12 | 1 | 11 | 58.2 | 1630.0 | -      | -      |
| 13 | 1 | 11 | 56.5 | 1105.0 | -      | -      |
| 14 |   |    |      |        |        | -      |
| 15 |   |    |      |        |        |        |
| 16 |   |    |      |        |        |        |
| 17 |   |    |      |        |        |        |
| 18 |   |    |      |        |        |        |
| 19 |   |    |      |        |        |        |
| 20 |   |    |      |        |        |        |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_07<br>Number of Bursts in Trial: 20<br>Chirp Center Frequency: 5530.0MHz |                  |             |                 |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------------|------------|------------|------------|
| Burst                                                                                                                                | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
| 1                                                                                                                                    | 3                | 20          | 84.6            | 1756.0     | 1857.0     | 1741.0     |
| 2                                                                                                                                    | 3                | 20          | 92.7            | 1470.0     | 1236.0     | 1262.0     |
| 3                                                                                                                                    | 2                | 20          | 69.2            | 1733.0     | 1200.0     | -          |
| 4                                                                                                                                    | 3                | 20          | 89.8            | 1793.0     | 1703.0     | 1923.0     |
| 5                                                                                                                                    | 3                | 20          | 89.4            | 1880.0     | 1676.0     | 1486.0     |
| 6                                                                                                                                    | 1                | 20          | 61.0            | 1462.0     | -          | -          |
| 7                                                                                                                                    | 2                | 20          | 76.2            | 1280.0     | 1918.0     | -          |
| 8                                                                                                                                    | 3                | 20          | 93.1            | 1299.0     | 1661.0     | 1110.0     |
| 9                                                                                                                                    | 3                | 20          | 95.8            | 1846.0     | 1011.0     | 1964.0     |
| 10                                                                                                                                   | 1                | 20          | 53.6            | 1810.0     | -          | -          |
| 11                                                                                                                                   | 1                | 20          | 61.9            | 1435.0     | -          | -          |
| 12                                                                                                                                   | 2                | 20          | 81.1            | 1744.0     | 1864.0     | -          |
| 13                                                                                                                                   | 3                | 20          | 93.7            | 1875.0     | 1392.0     | 1212.0     |
| 14                                                                                                                                   | 3                | 20          | 86.8            | 1644.0     | 1622.0     | 1863.0     |
| 15                                                                                                                                   | 2                | 20          | 83.2            | 1445.0     | 1797.0     | -          |

|    |   |    |      |        |        |   |
|----|---|----|------|--------|--------|---|
| 16 | 2 | 20 | 79.7 | 1764.0 | 1674.0 | - |
| 17 | 1 | 20 | 60.8 | 1500.0 | -      | - |
| 18 | 2 | 20 | 70.7 | 1901.0 | 1033.0 | - |
| 19 | 1 | 20 | 60.4 | 1751.0 | -      | - |
| 20 | 2 | 20 | 80.2 | 1626.0 | 1730.0 | - |

#### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 20

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 80.9            | 1545.0     | 1603.0     | -          |
| 2     | 3                | 20          | 96.5            | 1189.0     | 1449.0     | 1225.0     |
| 3     | 1                | 20          | 65.8            | 1925.0     | -          | -          |
| 4     | 3                | 20          | 87.0            | 1018.0     | 1049.0     | 1841.0     |
| 5     | 1                | 20          | 64.6            | 1048.0     | -          | -          |
| 6     | 2                | 20          | 75.3            | 1429.0     | 1368.0     | -          |
| 7     | 1                | 20          | 60.4            | 1156.0     | -          | -          |
| 8     | 2                | 20          | 77.7            | 1681.0     | 1307.0     | -          |
| 9     | 1                | 20          | 57.1            | 1625.0     | -          | -          |
| 10    | 3                | 20          | 89.7            | 1355.0     | 1088.0     | 1374.0     |
| 11    | 1                | 20          | 61.6            | 1537.0     | -          | -          |
| 12    | 3                | 20          | 94.9            | 1989.0     | 1865.0     | 1947.0     |
| 13    | 1                | 20          | 62.2            | 1234.0     | -          | -          |
| 14    | 1                | 20          | 66.2            | 1931.0     | -          | -          |
| 15    | 1                | 20          | 54.2            | 1062.0     | -          | -          |
| 16    | 1                | 20          | 65.4            | 1014.0     | -          | -          |
| 17    | 3                | 20          | 96.9            | 1572.0     | 1489.0     | 1042.0     |
| 18    | 1                | 20          | 60.0            | 1576.0     | -          | -          |
| 19    | 2                | 20          | 79.2            | 1757.0     | 1993.0     | -          |
| 20    | 3                | 20          | 86.2            | 1237.0     | 1607.0     | 1060.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 9

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 6           | 67.9            | 1522.0     | 1835.0     | -          |
| 2     | 1                | 6           | 51.7            | 1472.0     | -          | -          |
| 3     | 1                | 6           | 51.9            | 1917.0     | -          | -          |
| 4     | 3                | 6           | 83.9            | 1130.0     | 1323.0     | 1518.0     |
| 5     | 2                | 6           | 71.8            | 1284.0     | 1515.0     | -          |
| 6     | 1                | 6           | 65.1            | 1068.0     | -          | -          |
| 7     | 3                | 6           | 94.4            | 1173.0     | 1019.0     | 1934.0     |
| 8     | 2                | 6           | 67.4            | 1624.0     | 1866.0     | -          |
| 9     | 2                | 6           | 71.8            | 1209.0     | 1288.0     | -          |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 15

Chirp Center Frequency: 5530.0MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 14          | 99.2            | 1814.0     | 1640.0     | 1794.0     |
| 2     | 2                | 14          | 69.4            | 1316.0     | 1641.0     | -          |
| 3     | 3                | 14          | 97.7            | 1675.0     | 1548.0     | 1344.0     |
| 4     | 3                | 14          | 96.1            | 1075.0     | 1407.0     | 1413.0     |
| 5     | 2                | 14          | 78.1            | 1728.0     | 1052.0     | -          |
| 6     | 2                | 14          | 75.7            | 1492.0     | 1162.0     | -          |
| 7     | 3                | 14          | 88.1            | 1205.0     | 1529.0     | 1508.0     |
| 8     | 2                | 14          | 76.9            | 1584.0     | 1558.0     | -          |
| 9     | 2                | 14          | 82.3            | 1616.0     | 1438.0     | -          |
| 10    | 2                | 14          | 75.2            | 1074.0     | 1680.0     | -          |
| 11    | 1                | 14          | 64.0            | 1566.0     | -          | -          |
| 12    | 1                | 14          | 50.5            | 1085.0     | -          | -          |
| 13    | 3                | 14          | 98.6            | 1123.0     | 1090.0     | 1509.0     |
| 14    | 3                | 14          | 85.9            | 1719.0     | 1845.0     | 1949.0     |
| 15    | 1                | 14          | 56.1            | 1726.0     | -          | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 19

Chirp Center Frequency: 5499.1 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 92.1            | 1098.0     | 1308.0     | 1459.0     |
| 2     | 2                | 19          | 67.0            | 1927.0     | 1877.0     | -          |
| 3     | 2                | 19          | 68.8            | 1126.0     | 1468.0     | -          |
| 4     | 2                | 19          | 77.5            | 1609.0     | 1286.0     | -          |
| 5     | 2                | 19          | 82.5            | 1091.0     | 1083.0     | -          |
| 6     | 2                | 19          | 67.8            | 1163.0     | 1523.0     | -          |
| 7     | 2                | 19          | 82.9            | 1650.0     | 1843.0     | -          |
| 8     | 1                | 19          | 50.8            | 1643.0     | -          | -          |
| 9     | 3                | 19          | 91.5            | 1405.0     | 1469.0     | 1739.0     |
| 10    | 2                | 19          | 74.2            | 1933.0     | 1366.0     | -          |
| 11    | 1                | 19          | 62.3            | 1352.0     | -          | -          |
| 12    | 2                | 19          | 79.1            | 1944.0     | 1119.0     | -          |
| 13    | 3                | 19          | 94.6            | 1034.0     | 1357.0     | 1554.0     |
| 14    | 2                | 19          | 81.9            | 1227.0     | 1839.0     | -          |
| 15    | 1                | 19          | 65.2            | 1592.0     | -          | -          |
| 16    | 3                | 19          | 99.5            | 1418.0     | 1636.0     | 1533.0     |
| 17    | 2                | 19          | 80.9            | 1881.0     | 1786.0     | -          |
| 18    | 3                | 19          | 93.1            | 1818.0     | 1998.0     | 1736.0     |
| 19    | 1                | 19          | 55.9            | 1936.0     | -          | -          |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 14

Chirp Center Frequency: 5496.3 MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 58.0            | 1004.0     | -          | -          |
| 2     | 2                | 12          | 70.3            | 1393.0     | 1504.0     | -          |
| 3     | 1                | 12          | 63.9            | 1586.0     | -          | -          |
| 4     | 3                | 12          | 98.9            | 1822.0     | 1727.0     | 1986.0     |
| 5     | 3                | 12          | 84.2            | 1623.0     | 1382.0     | 1419.0     |
| 6     | 3                | 12          | 90.6            | 1096.0     | 1745.0     | 1987.0     |
| 7     | 1                | 12          | 66.1            | 1669.0     | -          | -          |
| 8     | 3                | 12          | 88.5            | 1820.0     | 1811.0     | 1590.0     |
| 9     | 1                | 12          | 64.5            | 1834.0     | -          | -          |
| 10    | 3                | 12          | 84.8            | 1036.0     | 1466.0     | 1027.0     |
| 11    | 1                | 12          | 65.1            | 1536.0     | -          | -          |
| 12    | 3                | 12          | 85.6            | 1620.0     | 1347.0     | 1397.0     |
| 13    | 2                | 12          | 69.3            | 1951.0     | 1772.0     | -          |
| 14    | 1                | 12          | 65.8            | 1693.0     | -          | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 18

Chirp Center Frequency: 5498.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 95.9            | 1905.0     | 1890.0     | 1037.0     |
| 2     | 3                | 18          | 91.9            | 1724.0     | 1615.0     | 1081.0     |
| 3     | 1                | 18          | 54.7            | 1912.0     | -          | -          |
| 4     | 3                | 18          | 96.3            | 1169.0     | 1073.0     | 1805.0     |
| 5     | 2                | 18          | 66.9            | 1482.0     | 1550.0     | -          |
| 6     | 3                | 18          | 84.9            | 1356.0     | 1953.0     | 1450.0     |
| 7     | 1                | 18          | 53.9            | 1157.0     | -          | -          |
| 8     | 1                | 18          | 66.2            | 1720.0     | -          | -          |
| 9     | 2                | 18          | 68.6            | 1530.0     | 1093.0     | -          |
| 10    | 1                | 18          | 56.2            | 1296.0     | -          | -          |
| 11    | 2                | 18          | 71.9            | 1159.0     | 1021.0     | -          |
| 12    | 1                | 18          | 65.8            | 1955.0     | -          | -          |
| 13    | 3                | 18          | 96.6            | 1394.0     | 1431.0     | 1422.0     |
| 14    | 3                | 18          | 93.5            | 1387.0     | 1104.0     | 1295.0     |
| 15    | 3                | 18          | 95.1            | 1907.0     | 1707.0     | 1748.0     |
| 16    | 2                | 18          | 67.1            | 1527.0     | 1594.0     | -          |
| 17    | 2                | 18          | 75.8            | 1722.0     | 1665.0     | -          |
| 18    | 2                | 18          | 83.1            | 1416.0     | 1455.0     | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 12

Chirp Center Frequency: 5494.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 7           | 57.5            | 1259.0     | -          | -          |
| 2     | 3                | 7           | 92.6            | 1516.0     | 1241.0     | 1129.0     |
| 3     | 2                | 7           | 77.9            | 1326.0     | 1684.0     | -          |
| 4     | 3                | 7           | 85.9            | 1990.0     | 1968.0     | 1103.0     |
| 5     | 2                | 7           | 78.2            | 1614.0     | 1531.0     | -          |
| 6     | 2                | 7           | 68.2            | 1332.0     | 1166.0     | -          |
| 7     | 3                | 7           | 84.7            | 1985.0     | 1124.0     | 1502.0     |
| 8     | 3                | 7           | 86.9            | 1251.0     | 1118.0     | 1882.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chirp Center Frequency: 5495.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 79.3            | 1439.0     | 1557.0     | -          |
| 2     | 2                | 9           | 68.3            | 1809.0     | 1924.0     | -          |
| 3     | 1                | 9           | 66.0            | 1291.0     | -          | -          |
| 4     | 2                | 9           | 76.3            | 1782.0     | 1475.0     | -          |
| 5     | 3                | 9           | 88.6            | 1491.0     | 1887.0     | 1790.0     |
| 6     | 3                | 9           | 93.0            | 1408.0     | 1055.0     | 1206.0     |
| 7     | 1                | 9           | 63.2            | 1437.0     | -          | -          |
| 8     | 3                | 9           | 98.8            | 1926.0     | 1403.0     | 1399.0     |
| 9     | 3                | 9           | 90.1            | 1202.0     | 1517.0     | 1686.0     |
| 10    | 1                | 9           | 60.4            | 1220.0     | -          | -          |
| 11    | 1                | 9           | 53.1            | 1543.0     | -          | -          |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 16

Chirp Center Frequency: 5497.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 15          | 64.0            | 1919.0     | -          | -          |
| 2     | 1                | 15          | 58.2            | 1321.0     | -          | -          |
| 3     | 1                | 15          | 51.9            | 1945.0     | -          | -          |
| 4     | 3                | 15          | 91.8            | 1287.0     | 1025.0     | 1428.0     |
| 5     | 1                | 15          | 51.6            | 1456.0     | -          | -          |
| 6     | 1                | 15          | 57.7            | 1904.0     | -          | -          |
| 7     | 2                | 15          | 76.9            | 1330.0     | 1002.0     | -          |
| 8     | 2                | 15          | 68.3            | 1633.0     | 1406.0     | -          |
| 9     | 3                | 15          | 94.0            | 1141.0     | 1801.0     | 1138.0     |
| 10    | 2                | 15          | 72.7            | 1261.0     | 1520.0     | -          |
| 11    | 3                | 15          | 93.5            | 1185.0     | 1574.0     | 1354.0     |
| 12    | 3                | 15          | 97.5            | 1591.0     | 1112.0     | 1528.0     |
| 13    | 1                | 15          | 59.0            | 1172.0     | -          | -          |
| 14    | 2                | 15          | 82.0            | 1228.0     | 1196.0     | -          |
| 15    | 2                | 15          | 78.1            | 1553.0     | 1506.0     | -          |
| 16    | 2                | 15          | 76.7            | 1320.0     | 1143.0     | -          |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 16

Chirp Center Frequency: 5497.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 15          | 88.0            | 1009.0     | 1911.0     | 1734.0     |
| 2     | 1                | 15          | 60.0            | 1444.0     | -          | -          |
| 3     | 1                | 15          | 63.6            | 1902.0     | -          | -          |
| 4     | 3                | 15          | 86.6            | 1916.0     | 1223.0     | 1488.0     |
| 5     | 1                | 15          | 61.6            | 1889.0     | -          | -          |
| 6     | 2                | 15          | 80.0            | 1573.0     | 1167.0     | -          |
| 7     | 2                | 15          | 68.5            | 1938.0     | 1692.0     | -          |
| 8     | 2                | 15          | 74.7            | 1265.0     | 1219.0     | -          |
| 9     | 3                | 15          | 97.9            | 1587.0     | 1213.0     | 1637.0     |
| 10    | 1                | 15          | 52.5            | 1701.0     | -          | -          |
| 11    | 2                | 15          | 79.9            | 1454.0     | 1807.0     | -          |
| 12    | 2                | 15          | 83.3            | 1930.0     | 1142.0     | -          |
| 13    | 2                | 15          | 72.9            | 1606.0     | 1939.0     | -          |
| 14    | 3                | 15          | 83.4            | 1778.0     | 1731.0     | 1314.0     |
| 15    | 3                | 15          | 94.8            | 1260.0     | 1067.0     | 1535.0     |
| 16    | 1                | 15          | 54.9            | 1440.0     | -          | -          |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 15

Chirp Center Frequency: 5497.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 14          | 56.6            | 1147.0     | -          | -          |
| 2     | 2                | 14          | 72.6            | 1152.0     | 1601.0     | -          |
| 3     | 2                | 14          | 69.1            | 1571.0     | 1803.0     | -          |
| 4     | 3                | 14          | 99.4            | 1350.0     | 1146.0     | 1760.0     |
| 5     | 3                | 14          | 90.7            | 1064.0     | 1309.0     | 1896.0     |
| 6     | 3                | 14          | 86.1            | 1983.0     | 1816.0     | 1855.0     |
| 7     | 3                | 14          | 84.2            | 1370.0     | 1823.0     | 1646.0     |
| 8     | 2                | 14          | 70.4            | 1635.0     | 1854.0     | -          |
| 9     | 3                | 14          | 91.3            | 1334.0     | 1136.0     | 1341.0     |
| 10    | 1                | 14          | 66.3            | 1360.0     | -          | -          |
| 11    | 3                | 14          | 93.0            | 1271.0     | 1057.0     | 1929.0     |
| 12    | 3                | 14          | 93.7            | 1906.0     | 1497.0     | 1479.0     |
| 13    | 3                | 14          | 85.8            | 1546.0     | 1015.0     | 1718.0     |
| 14    | 2                | 14          | 70.8            | 1001.0     | 1005.0     | -          |
| 15    | 1                | 14          | 57.0            | 1685.0     | -          | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 18

Chirp Center Frequency: 5499.1MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 94.3            | 1920.0     | 1954.0     | 1181.0     |
| 2     | 1                | 19          | 60.5            | 1922.0     | -          | -          |
| 3     | 1                | 19          | 66.2            | 1738.0     | -          | -          |
| 4     | 2                | 19          | 75.3            | 1595.0     | 1443.0     | -          |
| 5     | 3                | 19          | 88.8            | 1777.0     | 1789.0     | 1150.0     |
| 6     | 2                | 19          | 76.4            | 1343.0     | 1420.0     | -          |
| 7     | 2                | 19          | 73.9            | 1379.0     | 1982.0     | -          |
| 8     | 3                | 19          | 91.5            | 1175.0     | 1221.0     | 1569.0     |
| 9     | 3                | 19          | 84.0            | 1238.0     | 1694.0     | 1306.0     |
| 10    | 3                | 19          | 89.7            | 1179.0     | 1628.0     | 1791.0     |
| 11    | 2                | 19          | 77.3            | 1967.0     | 1795.0     | -          |
| 12    | 3                | 19          | 94.0            | 1696.0     | 1359.0     | 2000.0     |
| 13    | 3                | 19          | 99.2            | 1788.0     | 1596.0     | 1521.0     |
| 14    | 2                | 19          | 77.8            | 1086.0     | 1165.0     | -          |
| 15    | 3                | 19          | 93.7            | 1753.0     | 1780.0     | 1192.0     |
| 16    | 3                | 19          | 95.5            | 1188.0     | 1853.0     | 1425.0     |
| 17    | 1                | 19          | 60.5            | 1434.0     | -          | -          |
| 18    | 2                | 19          | 77.9            | 1808.0     | 1698.0     | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 18

Chirp Center Frequency: 5498.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 90.8            | 1878.0     | 1465.0     | 1873.0     |
| 2     | 3                | 17          | 86.4            | 1648.0     | 1415.0     | 1135.0     |
| 3     | 1                | 17          | 62.9            | 1318.0     | -          | -          |
| 4     | 2                | 17          | 78.7            | 1282.0     | 1263.0     | -          |
| 5     | 3                | 17          | 86.1            | 1273.0     | 1561.0     | 1501.0     |
| 6     | 1                | 17          | 51.8            | 1844.0     | -          | -          |
| 7     | 2                | 17          | 75.8            | 1442.0     | 1285.0     | -          |
| 8     | 3                | 17          | 93.2            | 1541.0     | 1160.0     | 1383.0     |
| 9     | 3                | 17          | 95.3            | 1448.0     | 1642.0     | 1290.0     |
| 10    | 3                | 17          | 95.3            | 1678.0     | 1589.0     | 1526.0     |
| 11    | 3                | 17          | 87.1            | 1317.0     | 1723.0     | 1293.0     |
| 12    | 2                | 17          | 74.8            | 1240.0     | 1178.0     | -          |
| 13    | 3                | 17          | 88.9            | 1806.0     | 1975.0     | 1935.0     |
| 14    | 2                | 17          | 77.0            | 1158.0     | 1932.0     | -          |
| 15    | 3                | 17          | 95.6            | 1191.0     | 1512.0     | 1874.0     |
| 16    | 3                | 17          | 85.6            | 1830.0     | 1737.0     | 1089.0     |
| 17    | 2                | 17          | 72.8            | 1398.0     | 1761.0     | -          |
| 18    | 1                | 17          | 56.6            | 1339.0     | -          | -          |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 8

Chirp Center Frequency: 5566.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 5           | 58.1            | 1451.0     | -          | -          |
| 2     | 1                | 5           | 56.0            | 1771.0     | -          | -          |
| 3     | 2                | 5           | 78.6            | 1534.0     | 1372.0     | -          |
| 4     | 2                | 5           | 82.8            | 1511.0     | 1869.0     | -          |
| 5     | 2                | 5           | 81.1            | 1532.0     | 1266.0     | -          |
| 6     | 3                | 5           | 85.2            | 1758.0     | 1137.0     | 1663.0     |
| 7     | 1                | 5           | 59.6            | 1249.0     | -          | -          |
| 8     | 1                | 5           | 63.3            | 1613.0     | -          | -          |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 8

Chirp Center Frequency: 5566.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 5           | 92.2            | 1711.0     | 1066.0     | 1483.0     |
| 2     | 3                | 5           | 85.1            | 1120.0     | 1108.0     | 1400.0     |
| 3     | 3                | 5           | 92.7            | 1862.0     | 1155.0     | 1305.0     |
| 4     | 3                | 5           | 97.7            | 1980.0     | 1301.0     | 1446.0     |
| 5     | 2                | 5           | 70.9            | 1007.0     | 1095.0     | -          |
| 6     | 2                | 5           | 82.4            | 1787.0     | 1632.0     | -          |
| 7     | 1                | 5           | 65.8            | 1871.0     | -          | -          |
| 8     | 3                | 5           | 97.3            | 1324.0     | 1476.0     | 1872.0     |
| 9     |                  |             |                 |            |            |            |
| 10    |                  |             |                 |            |            |            |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 14

Chirp Center Frequency: 5563.3MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 80.1            | 1452.0     | 1746.0     | -          |
| 2     | 2                | 13          | 70.6            | 1827.0     | 1474.0     | -          |
| 3     | 2                | 13          | 81.4            | 1325.0     | 1539.0     | -          |
| 4     | 2                | 13          | 81.8            | 1898.0     | 1900.0     | -          |
| 5     | 2                | 13          | 80.1            | 1248.0     | 1524.0     | -          |
| 6     | 2                | 13          | 73.4            | 1092.0     | 1255.0     | -          |
| 7     | 1                | 13          | 62.9            | 1579.0     | -          | -          |
| 8     | 2                | 13          | 83.2            | 1276.0     | 1351.0     | -          |
| 9     | 2                | 13          | 78.6            | 1575.0     | 1950.0     | -          |
| 10    | 3                | 13          | 96.2            | 1784.0     | 1494.0     | 1003.0     |
| 11    | 3                | 13          | 96.9            | 1610.0     | 1367.0     | 1274.0     |
| 12    | 1                | 13          | 64.9            | 1915.0     | -          | -          |
| 13    | 3                | 13          | 88.4            | 1503.0     | 1876.0     | 1087.0     |
| 14    | 2                | 13          | 66.9            | 1207.0     | 1315.0     | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 10

Chirp Center Frequency: 5565.7MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 7           | 53.5            | 1670.0     | -          | -          |
| 2     | 3                | 7           | 92.2            | 1893.0     | 1908.0     | 1164.0     |
| 3     | 2                | 7           | 70.8            | 1193.0     | 1828.0     | -          |
| 4     | 3                | 7           | 88.8            | 1514.0     | 1634.0     | 1313.0     |
| 5     | 1                | 7           | 52.4            | 1229.0     | -          | -          |
| 6     | 2                | 7           | 71.9            | 1969.0     | 1038.0     | -          |
| 7     | 1                | 7           | 59.9            | 1952.0     | -          | -          |
| 8     | 1                | 7           | 57.9            | 1101.0     | -          | -          |
| 9     | 1                | 7           | 55.2            | 1022.0     | -          | -          |
| 10    | 2                | 7           | 77.7            | 1149.0     | 1006.0     | -          |
| 11    |                  |             |                 |            |            |            |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 15

Chirp Center Frequency: 5562.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 14          | 69.1            | 1525.0     | 1197.0     | -          |
| 2     | 2                | 14          | 72.7            | 1976.0     | 1838.0     | -          |
| 3     | 1                | 14          | 59.7            | 1849.0     | -          | -          |
| 4     | 3                | 14          | 90.8            | 1080.0     | 1913.0     | 1767.0     |
| 5     | 1                | 14          | 50.5            | 1972.0     | -          | -          |
| 6     | 3                | 14          | 97.7            | 1310.0     | 1867.0     | 1427.0     |
| 7     | 2                | 14          | 74.4            | 1910.0     | 1819.0     | -          |
| 8     | 1                | 14          | 54.6            | 1277.0     | -          | -          |
| 9     | 1                | 14          | 59.0            | 1481.0     | -          | -          |
| 10    | 3                | 14          | 91.6            | 1023.0     | 1024.0     | 1079.0     |
| 11    | 3                | 14          | 97.0            | 1410.0     | 1914.0     | 1480.0     |
| 12    | 2                | 14          | 75.0            | 1781.0     | 1886.0     | -          |
| 13    | 1                | 14          | 54.2            | 1505.0     | -          | -          |
| 14    | 3                | 14          | 91.1            | 1008.0     | 1363.0     | 1298.0     |
| 15    | 2                | 14          | 76.6            | 1567.0     | 1948.0     | -          |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 12

Chirp Center Frequency: 5564.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 84.8            | 1556.0     | 1510.0     | 1182.0     |
| 2     | 3                | 10          | 93.1            | 1956.0     | 1458.0     | 1386.0     |
| 3     | 3                | 10          | 95.4            | 1388.0     | 1704.0     | 1826.0     |
| 4     | 1                | 10          | 54.2            | 1962.0     | -          | -          |
| 5     | 3                | 10          | 84.9            | 1812.0     | 1706.0     | 1362.0     |
| 6     | 3                | 10          | 88.3            | 1555.0     | 1031.0     | 1056.0     |
| 7     | 3                | 10          | 94.8            | 1852.0     | 1292.0     | 1652.0     |
| 8     | 2                | 10          | 74.9            | 1084.0     | 1752.0     | -          |
| 9     | 2                | 10          | 75.3            | 1210.0     | 1328.0     | -          |
| 10    | 2                | 10          | 81.5            | 1937.0     | 1349.0     | -          |
| 11    | 1                | 10          | 50.4            | 1649.0     | -          | -          |
| 12    | 2                | 10          | 76.8            | 1338.0     | 1270.0     | -          |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 16

Chirp Center Frequency: 5562.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 82.1            | 1076.0     | 1629.0     | -          |
| 2     | 2                | 15          | 80.0            | 1230.0     | 1257.0     | -          |
| 3     | 3                | 15          | 93.9            | 1994.0     | 1447.0     | 1690.0     |
| 4     | 3                | 15          | 87.4            | 1507.0     | 1645.0     | 1365.0     |
| 5     | 2                | 15          | 72.1            | 1768.0     | 1897.0     | -          |
| 6     | 1                | 15          | 65.3            | 1747.0     | -          | -          |
| 7     | 1                | 15          | 53.7            | 1540.0     | -          | -          |
| 8     | 1                | 15          | 62.7            | 1423.0     | -          | -          |
| 9     | 1                | 15          | 57.4            | 1829.0     | -          | -          |
| 10    | 1                | 15          | 63.7            | 1113.0     | -          | -          |
| 11    | 2                | 15          | 72.2            | 1604.0     | 1122.0     | -          |
| 12    | 2                | 15          | 82.7            | 1396.0     | 1860.0     | -          |
| 13    | 2                | 15          | 81.0            | 1047.0     | 1232.0     | -          |
| 14    | 2                | 15          | 71.8            | 1026.0     | 1785.0     | -          |
| 15    | 3                | 15          | 92.3            | 1358.0     | 1695.0     | 1605.0     |
| 16    | 1                | 15          | 55.9            | 1417.0     | -          | -          |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 11

Chirp Center Frequency: 5564.9MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 9           | 96.9            | 1709.0     | 1687.0     | 1743.0     |
| 2     | 2                | 9           | 69.9            | 1252.0     | 1414.0     | -          |
| 3     | 2                | 9           | 78.6            | 1647.0     | 1043.0     | -          |
| 4     | 3                | 9           | 88.0            | 1180.0     | 1884.0     | 1283.0     |
| 5     | 2                | 9           | 79.8            | 1656.0     | 1061.0     | -          |
| 6     | 1                | 9           | 62.2            | 1662.0     | -          | -          |
| 7     | 2                | 9           | 67.7            | 1224.0     | 1199.0     | -          |
| 8     | 2                | 9           | 78.9            | 1655.0     | 1250.0     | -          |
| 9     | 1                | 9           | 64.6            | 1214.0     | -          | -          |
| 10    | 1                | 9           | 53.7            | 1380.0     | -          | -          |
| 11    | 2                | 9           | 70.4            | 1401.0     | 1364.0     | -          |
| 12    |                  |             |                 |            |            |            |
| 13    |                  |             |                 |            |            |            |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 8

Chirp Center Frequency: 5566.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 5           | 89.4            | 1170.0     | 1109.0     | 1565.0     |
| 2     | 2                | 5           | 74.3            | 1243.0     | 1059.0     | -          |
| 3     | 3                | 5           | 97.8            | 1697.0     | 1946.0     | 1712.0     |
| 4     | 3                | 5           | 84.5            | 1800.0     | 1688.0     | 1245.0     |
| 5     | 1                | 5           | 59.2            | 1689.0     | -          | -          |
| 6     | 1                | 5           | 50.1            | 1477.0     | -          | -          |
| 7     | 2                | 5           | 70.8            | 1840.0     | 1942.0     | -          |
| 8     | 3                | 5           | 92.4            | 1174.0     | 1028.0     | 1094.0     |
| 9     |                  |             |                 |            |            |            |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 12

Chirp Center Frequency: 5564.5MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 10          | 74.6            | 1792.0     | 1593.0     | -          |
| 2     | 1                | 10          | 65.1            | 1117.0     | -          | -          |
| 3     | 1                | 10          | 54.2            | 1538.0     | -          | -          |
| 4     | 2                | 10          | 74.9            | 1716.0     | 1999.0     | -          |
| 5     | 1                | 10          | 59.6            | 1627.0     | -          | -          |
| 6     | 1                | 10          | 50.5            | 1337.0     | -          | -          |
| 7     | 2                | 10          | 78.3            | 1239.0     | 1562.0     | -          |
| 8     | 2                | 10          | 69.1            | 1903.0     | 1190.0     | -          |
| 9     | 2                | 10          | 71.0            | 1965.0     | 1717.0     | -          |
| 10    | 2                | 10          | 70.9            | 1226.0     | 1762.0     | -          |
| 11    | 1                | 10          | 62.7            | 1345.0     | -          | -          |
| 12    | 2                | 10          | 73.2            | 1770.0     | 1493.0     | -          |
| 13    |                  |             |                 |            |            |            |

| Type 6 Radar Statistical Performances |                  |                 |         |                         |
|---------------------------------------|------------------|-----------------|---------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection               |
| 1                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 2                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 3                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 4                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 5                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 6                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 7                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 8                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 9                                     | 9                | 1.0u            | 333.0u  | Yes                     |
| 10                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 11                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 12                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 13                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 14                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 15                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 16                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 17                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 18                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 19                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 20                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 21                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 22                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 23                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 24                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 25                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 26                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 27                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 28                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 29                                    | 9                | 1.0u            | 333.0u  | Yes                     |
| 30                                    | 9                | 1.0u            | 333.0u  | Yes                     |
|                                       |                  |                 |         | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |           |
|---------------------------------------|---------------------------------|-----------|
| Trial #                               | Hopping Frequency Sequence Name | Detection |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes       |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes       |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes       |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes       |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes       |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes       |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes       |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes       |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes       |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes       |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes       |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes       |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes       |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes       |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes       |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes       |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes       |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes       |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes       |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes       |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes       |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes       |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes       |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes       |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes       |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes       |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes       |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes       |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes       |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes       |
| Detection Rate: 100.0 %               |                                 |           |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.393G            | 2    | 5.555G            | 3    | 5.365G            | 4    | 5.531G            |
| 5                                                | 5.414G            | 6    | 5.467G            | 7    | 5.343G            | 8    | 5.349G            |
| 9                                                | 5.628G            | 10   | 5.546G            | 11   | 5.482G            | 12   | 5.640G            |
| 13                                               | 5.382G            | 14   | 5.581G            | 15   | 5.293G            | 16   | 5.381G            |
| 17                                               | 5.471G            | 18   | 5.525G            | 19   | 5.403G            | 20   | 5.637G            |
| 21                                               | 5.407G            | 22   | 5.326G            | 23   | 5.388G            | 24   | 5.544G            |
| 25                                               | 5.263G            | 26   | 5.255G            | 27   | 5.657G            | 28   | 5.511G            |
| 29                                               | 5.594G            | 30   | 5.705G            | 31   | 5.562G            | 32   | 5.579G            |
| 33                                               | 5.480G            | 34   | 5.366G            | 35   | 5.702G            | 36   | 5.370G            |
| 37                                               | 5.515G            | 38   | 5.535G            | 39   | 5.420G            | 40   | 5.457G            |
| 41                                               | 5.530G            | 42   | 5.258G            | 43   | 5.402G            | 44   | 5.659G            |
| 45                                               | 5.591G            | 46   | 5.436G            | 47   | 5.284G            | 48   | 5.621G            |
| 49                                               | 5.510G            | 50   | 5.340G            | 51   | 5.385G            | 52   | 5.548G            |
| 53                                               | 5.364G            | 54   | 5.526G            | 55   | 5.585G            | 56   | 5.529G            |
| 57                                               | 5.459G            | 58   | 5.309G            | 59   | 5.260G            | 60   | 5.636G            |
| 61                                               | 5.270G            | 62   | 5.613G            | 63   | 5.479G            | 64   | 5.684G            |
| 65                                               | 5.566G            | 66   | 5.512G            | 67   | 5.677G            | 68   | 5.587G            |
| 69                                               | 5.717G            | 70   | 5.477G            | 71   | 5.396G            | 72   | 5.339G            |
| 73                                               | 5.295G            | 74   | 5.406G            | 75   | 5.346G            | 76   | 5.341G            |
| 77                                               | 5.361G            | 78   | 5.466G            | 79   | 5.708G            | 80   | 5.401G            |
| 81                                               | 5.682G            | 82   | 5.665G            | 83   | 5.391G            | 84   | 5.715G            |
| 85                                               | 5.533G            | 86   | 5.528G            | 87   | 5.397G            | 88   | 5.670G            |
| 89                                               | 5.676G            | 90   | 5.266G            | 91   | 5.410G            | 92   | 5.567G            |
| 93                                               | 5.416G            | 94   | 5.575G            | 95   | 5.597G            | 96   | 5.322G            |
| 97                                               | 5.606G            | 98   | 5.622G            | 99   | 5.320G            | 100  | 5.712G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.324G            | 2    | 5.503G            | 3    | 5.289G            | 4    | 5.384G            |
| 5                                                | 5.611G            | 6    | 5.637G            | 7    | 5.387G            | 8    | 5.604G            |
| 9                                                | 5.575G            | 10   | 5.582G            | 11   | 5.440G            | 12   | 5.595G            |
| 13                                               | 5.723G            | 14   | 5.528G            | 15   | 5.427G            | 16   | 5.623G            |
| 17                                               | 5.633G            | 18   | 5.424G            | 19   | 5.502G            | 20   | 5.661G            |
| 21                                               | 5.443G            | 22   | 5.328G            | 23   | 5.356G            | 24   | 5.366G            |
| 25                                               | 5.685G            | 26   | 5.473G            | 27   | 5.597G            | 28   | 5.455G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.278G | 30 | 5.446G | 31 | 5.696G | 32  | 5.319G |
| 33 | 5.509G | 34 | 5.682G | 35 | 5.271G | 36  | 5.252G |
| 37 | 5.543G | 38 | 5.705G | 39 | 5.371G | 40  | 5.415G |
| 41 | 5.320G | 42 | 5.437G | 43 | 5.351G | 44  | 5.710G |
| 45 | 5.416G | 46 | 5.274G | 47 | 5.607G | 48  | 5.265G |
| 49 | 5.469G | 50 | 5.615G | 51 | 5.404G | 52  | 5.635G |
| 53 | 5.669G | 54 | 5.426G | 55 | 5.435G | 56  | 5.527G |
| 57 | 5.513G | 58 | 5.402G | 59 | 5.323G | 60  | 5.365G |
| 61 | 5.681G | 62 | 5.441G | 63 | 5.521G | 64  | 5.545G |
| 65 | 5.386G | 66 | 5.634G | 67 | 5.672G | 68  | 5.507G |
| 69 | 5.456G | 70 | 5.287G | 71 | 5.472G | 72  | 5.307G |
| 73 | 5.266G | 74 | 5.273G | 75 | 5.420G | 76  | 5.548G |
| 77 | 5.646G | 78 | 5.684G | 79 | 5.510G | 80  | 5.538G |
| 81 | 5.335G | 82 | 5.395G | 83 | 5.300G | 84  | 5.698G |
| 85 | 5.651G | 86 | 5.617G | 87 | 5.569G | 88  | 5.355G |
| 89 | 5.656G | 90 | 5.374G | 91 | 5.467G | 92  | 5.491G |
| 93 | 5.425G | 94 | 5.554G | 95 | 5.368G | 96  | 5.631G |
| 97 | 5.482G | 98 | 5.361G | 99 | 5.674G | 100 | 5.390G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.477G            | 2    | 5.584G            | 3    | 5.301G            | 4    | 5.387G            |
| 5                                                | 5.699G            | 6    | 5.610G            | 7    | 5.436G            | 8    | 5.701G            |
| 9                                                | 5.680G            | 10   | 5.618G            | 11   | 5.336G            | 12   | 5.445G            |
| 13                                               | 5.263G            | 14   | 5.712G            | 15   | 5.431G            | 16   | 5.578G            |
| 17                                               | 5.668G            | 18   | 5.303G            | 19   | 5.550G            | 20   | 5.539G            |
| 21                                               | 5.451G            | 22   | 5.505G            | 23   | 5.506G            | 24   | 5.693G            |
| 25                                               | 5.313G            | 26   | 5.535G            | 27   | 5.564G            | 28   | 5.476G            |
| 29                                               | 5.398G            | 30   | 5.328G            | 31   | 5.651G            | 32   | 5.339G            |
| 33                                               | 5.261G            | 34   | 5.305G            | 35   | 5.528G            | 36   | 5.290G            |
| 37                                               | 5.273G            | 38   | 5.619G            | 39   | 5.304G            | 40   | 5.466G            |
| 41                                               | 5.609G            | 42   | 5.596G            | 43   | 5.363G            | 44   | 5.705G            |
| 45                                               | 5.280G            | 46   | 5.400G            | 47   | 5.511G            | 48   | 5.714G            |
| 49                                               | 5.418G            | 50   | 5.684G            | 51   | 5.592G            | 52   | 5.595G            |
| 53                                               | 5.504G            | 54   | 5.636G            | 55   | 5.566G            | 56   | 5.268G            |
| 57                                               | 5.456G            | 58   | 5.532G            | 59   | 5.334G            | 60   | 5.358G            |
| 61                                               | 5.341G            | 62   | 5.513G            | 63   | 5.650G            | 64   | 5.364G            |
| 65                                               | 5.670G            | 66   | 5.710G            | 67   | 5.299G            | 68   | 5.297G            |
| 69                                               | 5.368G            | 70   | 5.633G            | 71   | 5.275G            | 72   | 5.420G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.488G | 74 | 5.423G | 75 | 5.321G | 76  | 5.585G |
| 77 | 5.483G | 78 | 5.457G | 79 | 5.703G | 80  | 5.497G |
| 81 | 5.485G | 82 | 5.346G | 83 | 5.521G | 84  | 5.464G |
| 85 | 5.391G | 86 | 5.531G | 87 | 5.446G | 88  | 5.473G |
| 89 | 5.682G | 90 | 5.281G | 91 | 5.270G | 92  | 5.658G |
| 93 | 5.367G | 94 | 5.405G | 95 | 5.276G | 96  | 5.673G |
| 97 | 5.277G | 98 | 5.333G | 99 | 5.459G | 100 | 5.601G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.637G            | 2    | 5.325G            | 3    | 5.468G            | 4    | 5.598G            |
| 5                                                | 5.326G            | 6    | 5.632G            | 7    | 5.437G            | 8    | 5.676G            |
| 9                                                | 5.261G            | 10   | 5.456G            | 11   | 5.296G            | 12   | 5.276G            |
| 13                                               | 5.715G            | 14   | 5.695G            | 15   | 5.518G            | 16   | 5.298G            |
| 17                                               | 5.687G            | 18   | 5.673G            | 19   | 5.525G            | 20   | 5.609G            |
| 21                                               | 5.709G            | 22   | 5.493G            | 23   | 5.349G            | 24   | 5.506G            |
| 25                                               | 5.426G            | 26   | 5.663G            | 27   | 5.427G            | 28   | 5.625G            |
| 29                                               | 5.513G            | 30   | 5.404G            | 31   | 5.385G            | 32   | 5.323G            |
| 33                                               | 5.373G            | 34   | 5.569G            | 35   | 5.407G            | 36   | 5.594G            |
| 37                                               | 5.260G            | 38   | 5.576G            | 39   | 5.622G            | 40   | 5.716G            |
| 41                                               | 5.662G            | 42   | 5.318G            | 43   | 5.606G            | 44   | 5.702G            |
| 45                                               | 5.552G            | 46   | 5.655G            | 47   | 5.713G            | 48   | 5.512G            |
| 49                                               | 5.279G            | 50   | 5.372G            | 51   | 5.666G            | 52   | 5.494G            |
| 53                                               | 5.718G            | 54   | 5.264G            | 55   | 5.559G            | 56   | 5.689G            |
| 57                                               | 5.497G            | 58   | 5.671G            | 59   | 5.314G            | 60   | 5.429G            |
| 61                                               | 5.399G            | 62   | 5.450G            | 63   | 5.346G            | 64   | 5.299G            |
| 65                                               | 5.333G            | 66   | 5.618G            | 67   | 5.390G            | 68   | 5.696G            |
| 69                                               | 5.475G            | 70   | 5.319G            | 71   | 5.420G            | 72   | 5.320G            |
| 73                                               | 5.523G            | 74   | 5.251G            | 75   | 5.685G            | 76   | 5.527G            |
| 77                                               | 5.596G            | 78   | 5.539G            | 79   | 5.677G            | 80   | 5.341G            |
| 81                                               | 5.563G            | 82   | 5.280G            | 83   | 5.607G            | 84   | 5.587G            |
| 85                                               | 5.459G            | 86   | 5.288G            | 87   | 5.316G            | 88   | 5.548G            |
| 89                                               | 5.644G            | 90   | 5.507G            | 91   | 5.541G            | 92   | 5.545G            |
| 93                                               | 5.445G            | 94   | 5.700G            | 95   | 5.568G            | 96   | 5.363G            |
| 97                                               | 5.482G            | 98   | 5.499G            | 99   | 5.267G            | 100  | 5.650G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.662G            | 2    | 5.508G            | 3    | 5.705G            | 4    | 5.479G            |
| 5                                                | 5.510G            | 6    | 5.568G            | 7    | 5.319G            | 8    | 5.554G            |
| 9                                                | 5.553G            | 10   | 5.337G            | 11   | 5.259G            | 12   | 5.299G            |
| 13                                               | 5.717G            | 14   | 5.443G            | 15   | 5.306G            | 16   | 5.493G            |
| 17                                               | 5.432G            | 18   | 5.530G            | 19   | 5.261G            | 20   | 5.716G            |
| 21                                               | 5.304G            | 22   | 5.615G            | 23   | 5.640G            | 24   | 5.536G            |
| 25                                               | 5.483G            | 26   | 5.655G            | 27   | 5.349G            | 28   | 5.278G            |
| 29                                               | 5.638G            | 30   | 5.253G            | 31   | 5.362G            | 32   | 5.320G            |
| 33                                               | 5.618G            | 34   | 5.377G            | 35   | 5.700G            | 36   | 5.613G            |
| 37                                               | 5.675G            | 38   | 5.577G            | 39   | 5.497G            | 40   | 5.369G            |
| 41                                               | 5.564G            | 42   | 5.252G            | 43   | 5.307G            | 44   | 5.609G            |
| 45                                               | 5.719G            | 46   | 5.255G            | 47   | 5.632G            | 48   | 5.566G            |
| 49                                               | 5.602G            | 50   | 5.578G            | 51   | 5.383G            | 52   | 5.572G            |
| 53                                               | 5.265G            | 54   | 5.310G            | 55   | 5.706G            | 56   | 5.340G            |
| 57                                               | 5.557G            | 58   | 5.309G            | 59   | 5.539G            | 60   | 5.317G            |
| 61                                               | 5.714G            | 62   | 5.296G            | 63   | 5.523G            | 64   | 5.399G            |
| 65                                               | 5.556G            | 66   | 5.403G            | 67   | 5.541G            | 68   | 5.324G            |
| 69                                               | 5.250G            | 70   | 5.266G            | 71   | 5.680G            | 72   | 5.560G            |
| 73                                               | 5.585G            | 74   | 5.581G            | 75   | 5.427G            | 76   | 5.308G            |
| 77                                               | 5.401G            | 78   | 5.358G            | 79   | 5.611G            | 80   | 5.656G            |
| 81                                               | 5.436G            | 82   | 5.448G            | 83   | 5.393G            | 84   | 5.573G            |
| 85                                               | 5.646G            | 86   | 5.318G            | 87   | 5.625G            | 88   | 5.600G            |
| 89                                               | 5.351G            | 90   | 5.538G            | 91   | 5.599G            | 92   | 5.626G            |
| 93                                               | 5.688G            | 94   | 5.516G            | 95   | 5.402G            | 96   | 5.381G            |
| 97                                               | 5.545G            | 98   | 5.328G            | 99   | 5.420G            | 100  | 5.654G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.449G            | 2    | 5.261G            | 3    | 5.578G            | 4    | 5.680G            |
| 5                                                | 5.699G            | 6    | 5.572G            | 7    | 5.693G            | 8    | 5.619G            |
| 9                                                | 5.601G            | 10   | 5.598G            | 11   | 5.430G            | 12   | 5.540G            |
| 13                                               | 5.316G            | 14   | 5.497G            | 15   | 5.678G            | 16   | 5.353G            |
| 17                                               | 5.640G            | 18   | 5.655G            | 19   | 5.274G            | 20   | 5.347G            |
| 21                                               | 5.509G            | 22   | 5.330G            | 23   | 5.419G            | 24   | 5.462G            |
| 25                                               | 5.405G            | 26   | 5.475G            | 27   | 5.716G            | 28   | 5.673G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.551G | 30 | 5.672G | 31 | 5.413G | 32  | 5.599G |
| 33 | 5.366G | 34 | 5.595G | 35 | 5.414G | 36  | 5.660G |
| 37 | 5.416G | 38 | 5.576G | 39 | 5.402G | 40  | 5.460G |
| 41 | 5.398G | 42 | 5.643G | 43 | 5.715G | 44  | 5.550G |
| 45 | 5.517G | 46 | 5.380G | 47 | 5.483G | 48  | 5.372G |
| 49 | 5.318G | 50 | 5.401G | 51 | 5.670G | 52  | 5.270G |
| 53 | 5.637G | 54 | 5.700G | 55 | 5.420G | 56  | 5.711G |
| 57 | 5.627G | 58 | 5.307G | 59 | 5.527G | 60  | 5.295G |
| 61 | 5.638G | 62 | 5.258G | 63 | 5.529G | 64  | 5.698G |
| 65 | 5.659G | 66 | 5.662G | 67 | 5.343G | 68  | 5.722G |
| 69 | 5.546G | 70 | 5.618G | 71 | 5.518G | 72  | 5.324G |
| 73 | 5.596G | 74 | 5.639G | 75 | 5.471G | 76  | 5.440G |
| 77 | 5.652G | 78 | 5.387G | 79 | 5.364G | 80  | 5.254G |
| 81 | 5.724G | 82 | 5.663G | 83 | 5.681G | 84  | 5.260G |
| 85 | 5.352G | 86 | 5.713G | 87 | 5.442G | 88  | 5.501G |
| 89 | 5.377G | 90 | 5.368G | 91 | 5.493G | 92  | 5.624G |
| 93 | 5.444G | 94 | 5.425G | 95 | 5.469G | 96  | 5.649G |
| 97 | 5.351G | 98 | 5.415G | 99 | 5.492G | 100 | 5.675G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.448G            | 2    | 5.436G            | 3    | 5.572G            | 4    | 5.263G            |
| 5                                                | 5.508G            | 6    | 5.462G            | 7    | 5.303G            | 8    | 5.392G            |
| 9                                                | 5.640G            | 10   | 5.425G            | 11   | 5.382G            | 12   | 5.697G            |
| 13                                               | 5.638G            | 14   | 5.317G            | 15   | 5.285G            | 16   | 5.370G            |
| 17                                               | 5.353G            | 18   | 5.460G            | 19   | 5.672G            | 20   | 5.686G            |
| 21                                               | 5.564G            | 22   | 5.555G            | 23   | 5.453G            | 24   | 5.266G            |
| 25                                               | 5.258G            | 26   | 5.443G            | 27   | 5.651G            | 28   | 5.702G            |
| 29                                               | 5.325G            | 30   | 5.360G            | 31   | 5.264G            | 32   | 5.692G            |
| 33                                               | 5.371G            | 34   | 5.433G            | 35   | 5.505G            | 36   | 5.414G            |
| 37                                               | 5.608G            | 38   | 5.568G            | 39   | 5.710G            | 40   | 5.459G            |
| 41                                               | 5.279G            | 42   | 5.315G            | 43   | 5.272G            | 44   | 5.410G            |
| 45                                               | 5.637G            | 46   | 5.261G            | 47   | 5.625G            | 48   | 5.714G            |
| 49                                               | 5.461G            | 50   | 5.585G            | 51   | 5.259G            | 52   | 5.471G            |
| 53                                               | 5.687G            | 54   | 5.379G            | 55   | 5.355G            | 56   | 5.282G            |
| 57                                               | 5.539G            | 58   | 5.416G            | 59   | 5.499G            | 60   | 5.395G            |
| 61                                               | 5.664G            | 62   | 5.605G            | 63   | 5.326G            | 64   | 5.506G            |
| 65                                               | 5.549G            | 66   | 5.319G            | 67   | 5.480G            | 68   | 5.404G            |
| 69                                               | 5.536G            | 70   | 5.556G            | 71   | 5.526G            | 72   | 5.680G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.401G | 74 | 5.454G | 75 | 5.331G | 76  | 5.610G |
| 77 | 5.498G | 78 | 5.583G | 79 | 5.348G | 80  | 5.271G |
| 81 | 5.309G | 82 | 5.635G | 83 | 5.493G | 84  | 5.466G |
| 85 | 5.601G | 86 | 5.606G | 87 | 5.349G | 88  | 5.304G |
| 89 | 5.354G | 90 | 5.587G | 91 | 5.704G | 92  | 5.618G |
| 93 | 5.675G | 94 | 5.305G | 95 | 5.481G | 96  | 5.336G |
| 97 | 5.278G | 98 | 5.703G | 99 | 5.442G | 100 | 5.723G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.308G            | 2    | 5.283G            | 3    | 5.468G            | 4    | 5.266G            |
| 5                                                | 5.507G            | 6    | 5.495G            | 7    | 5.365G            | 8    | 5.604G            |
| 9                                                | 5.285G            | 10   | 5.508G            | 11   | 5.318G            | 12   | 5.471G            |
| 13                                               | 5.592G            | 14   | 5.280G            | 15   | 5.629G            | 16   | 5.703G            |
| 17                                               | 5.351G            | 18   | 5.641G            | 19   | 5.591G            | 20   | 5.663G            |
| 21                                               | 5.610G            | 22   | 5.373G            | 23   | 5.678G            | 24   | 5.532G            |
| 25                                               | 5.274G            | 26   | 5.544G            | 27   | 5.358G            | 28   | 5.594G            |
| 29                                               | 5.676G            | 30   | 5.413G            | 31   | 5.695G            | 32   | 5.584G            |
| 33                                               | 5.257G            | 34   | 5.500G            | 35   | 5.288G            | 36   | 5.305G            |
| 37                                               | 5.459G            | 38   | 5.630G            | 39   | 5.622G            | 40   | 5.359G            |
| 41                                               | 5.621G            | 42   | 5.448G            | 43   | 5.470G            | 44   | 5.295G            |
| 45                                               | 5.480G            | 46   | 5.706G            | 47   | 5.397G            | 48   | 5.719G            |
| 49                                               | 5.431G            | 50   | 5.253G            | 51   | 5.411G            | 52   | 5.255G            |
| 53                                               | 5.590G            | 54   | 5.296G            | 55   | 5.575G            | 56   | 5.595G            |
| 57                                               | 5.686G            | 58   | 5.314G            | 59   | 5.424G            | 60   | 5.492G            |
| 61                                               | 5.338G            | 62   | 5.510G            | 63   | 5.620G            | 64   | 5.588G            |
| 65                                               | 5.264G            | 66   | 5.633G            | 67   | 5.444G            | 68   | 5.712G            |
| 69                                               | 5.315G            | 70   | 5.432G            | 71   | 5.600G            | 72   | 5.301G            |
| 73                                               | 5.702G            | 74   | 5.556G            | 75   | 5.525G            | 76   | 5.477G            |
| 77                                               | 5.412G            | 78   | 5.407G            | 79   | 5.668G            | 80   | 5.309G            |
| 81                                               | 5.398G            | 82   | 5.422G            | 83   | 5.404G            | 84   | 5.557G            |
| 85                                               | 5.392G            | 86   | 5.615G            | 87   | 5.534G            | 88   | 5.469G            |
| 89                                               | 5.409G            | 90   | 5.360G            | 91   | 5.713G            | 92   | 5.474G            |
| 93                                               | 5.423G            | 94   | 5.649G            | 95   | 5.504G            | 96   | 5.585G            |
| 97                                               | 5.560G            | 98   | 5.278G            | 99   | 5.325G            | 100  | 5.709G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.628G            | 2    | 5.481G            | 3    | 5.583G            | 4    | 5.647G            |
| 5                                                | 5.516G            | 6    | 5.369G            | 7    | 5.312G            | 8    | 5.507G            |
| 9                                                | 5.580G            | 10   | 5.509G            | 11   | 5.702G            | 12   | 5.530G            |
| 13                                               | 5.423G            | 14   | 5.377G            | 15   | 5.285G            | 16   | 5.543G            |
| 17                                               | 5.602G            | 18   | 5.420G            | 19   | 5.595G            | 20   | 5.589G            |
| 21                                               | 5.591G            | 22   | 5.319G            | 23   | 5.430G            | 24   | 5.464G            |
| 25                                               | 5.600G            | 26   | 5.522G            | 27   | 5.472G            | 28   | 5.344G            |
| 29                                               | 5.553G            | 30   | 5.450G            | 31   | 5.634G            | 32   | 5.700G            |
| 33                                               | 5.511G            | 34   | 5.719G            | 35   | 5.635G            | 36   | 5.457G            |
| 37                                               | 5.680G            | 38   | 5.331G            | 39   | 5.360G            | 40   | 5.587G            |
| 41                                               | 5.462G            | 42   | 5.281G            | 43   | 5.411G            | 44   | 5.564G            |
| 45                                               | 5.480G            | 46   | 5.712G            | 47   | 5.631G            | 48   | 5.534G            |
| 49                                               | 5.609G            | 50   | 5.399G            | 51   | 5.330G            | 52   | 5.620G            |
| 53                                               | 5.623G            | 54   | 5.313G            | 55   | 5.389G            | 56   | 5.437G            |
| 57                                               | 5.271G            | 58   | 5.471G            | 59   | 5.488G            | 60   | 5.639G            |
| 61                                               | 5.718G            | 62   | 5.339G            | 63   | 5.451G            | 64   | 5.407G            |
| 65                                               | 5.556G            | 66   | 5.370G            | 67   | 5.657G            | 68   | 5.277G            |
| 69                                               | 5.710G            | 70   | 5.352G            | 71   | 5.317G            | 72   | 5.425G            |
| 73                                               | 5.287G            | 74   | 5.468G            | 75   | 5.267G            | 76   | 5.409G            |
| 77                                               | 5.696G            | 78   | 5.554G            | 79   | 5.253G            | 80   | 5.671G            |
| 81                                               | 5.365G            | 82   | 5.263G            | 83   | 5.574G            | 84   | 5.624G            |
| 85                                               | 5.309G            | 86   | 5.491G            | 87   | 5.284G            | 88   | 5.563G            |
| 89                                               | 5.678G            | 90   | 5.477G            | 91   | 5.643G            | 92   | 5.492G            |
| 93                                               | 5.345G            | 94   | 5.519G            | 95   | 5.685G            | 96   | 5.637G            |
| 97                                               | 5.592G            | 98   | 5.367G            | 99   | 5.715G            | 100  | 5.638G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.651G            | 2    | 5.542G            | 3    | 5.607G            | 4    | 5.713G            |
| 5                                                | 5.487G            | 6    | 5.560G            | 7    | 5.634G            | 8    | 5.509G            |
| 9                                                | 5.563G            | 10   | 5.510G            | 11   | 5.482G            | 12   | 5.536G            |
| 13                                               | 5.677G            | 14   | 5.433G            | 15   | 5.519G            | 16   | 5.432G            |
| 17                                               | 5.637G            | 18   | 5.497G            | 19   | 5.685G            | 20   | 5.575G            |
| 21                                               | 5.686G            | 22   | 5.632G            | 23   | 5.466G            | 24   | 5.594G            |
| 25                                               | 5.620G            | 26   | 5.624G            | 27   | 5.349G            | 28   | 5.401G            |
| 29                                               | 5.381G            | 30   | 5.559G            | 31   | 5.373G            | 32   | 5.454G            |
| 33                                               | 5.355G            | 34   | 5.275G            | 35   | 5.448G            | 36   | 5.389G            |
| 37                                               | 5.710G            | 38   | 5.321G            | 39   | 5.602G            | 40   | 5.576G            |
| 41                                               | 5.270G            | 42   | 5.262G            | 43   | 5.699G            | 44   | 5.581G            |
| 45                                               | 5.273G            | 46   | 5.453G            | 47   | 5.494G            | 48   | 5.449G            |
| 49                                               | 5.511G            | 50   | 5.475G            | 51   | 5.610G            | 52   | 5.527G            |
| 53                                               | 5.328G            | 54   | 5.645G            | 55   | 5.720G            | 56   | 5.425G            |
| 57                                               | 5.647G            | 58   | 5.261G            | 59   | 5.656G            | 60   | 5.398G            |
| 61                                               | 5.438G            | 62   | 5.721G            | 63   | 5.665G            | 64   | 5.455G            |
| 65                                               | 5.378G            | 66   | 5.589G            | 67   | 5.606G            | 68   | 5.317G            |
| 69                                               | 5.388G            | 70   | 5.353G            | 71   | 5.456G            | 72   | 5.630G            |
| 73                                               | 5.605G            | 74   | 5.698G            | 75   | 5.711G            | 76   | 5.679G            |
| 77                                               | 5.302G            | 78   | 5.385G            | 79   | 5.314G            | 80   | 5.675G            |
| 81                                               | 5.580G            | 82   | 5.520G            | 83   | 5.538G            | 84   | 5.535G            |
| 85                                               | 5.366G            | 86   | 5.613G            | 87   | 5.431G            | 88   | 5.676G            |
| 89                                               | 5.338G            | 90   | 5.659G            | 91   | 5.681G            | 92   | 5.709G            |
| 93                                               | 5.274G            | 94   | 5.693G            | 95   | 5.579G            | 96   | 5.319G            |
| 97                                               | 5.316G            | 98   | 5.444G            | 99   | 5.329G            | 100  | 5.558G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.520G            | 2    | 5.604G            | 3    | 5.602G            | 4    | 5.295G            |
| 5                                                | 5.567G            | 6    | 5.425G            | 7    | 5.498G            | 8    | 5.328G            |
| 9                                                | 5.712G            | 10   | 5.486G            | 11   | 5.369G            | 12   | 5.333G            |
| 13                                               | 5.481G            | 14   | 5.477G            | 15   | 5.284G            | 16   | 5.331G            |
| 17                                               | 5.268G            | 18   | 5.610G            | 19   | 5.434G            | 20   | 5.263G            |
| 21                                               | 5.580G            | 22   | 5.630G            | 23   | 5.616G            | 24   | 5.708G            |
| 25                                               | 5.464G            | 26   | 5.553G            | 27   | 5.535G            | 28   | 5.555G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.643G | 30 | 5.335G | 31 | 5.398G | 32  | 5.334G |
| 33 | 5.468G | 34 | 5.283G | 35 | 5.606G | 36  | 5.605G |
| 37 | 5.669G | 38 | 5.287G | 39 | 5.341G | 40  | 5.305G |
| 41 | 5.674G | 42 | 5.677G | 43 | 5.299G | 44  | 5.312G |
| 45 | 5.680G | 46 | 5.347G | 47 | 5.594G | 48  | 5.649G |
| 49 | 5.497G | 50 | 5.442G | 51 | 5.479G | 52  | 5.429G |
| 53 | 5.597G | 54 | 5.304G | 55 | 5.291G | 56  | 5.373G |
| 57 | 5.321G | 58 | 5.370G | 59 | 5.463G | 60  | 5.572G |
| 61 | 5.350G | 62 | 5.713G | 63 | 5.539G | 64  | 5.663G |
| 65 | 5.635G | 66 | 5.661G | 67 | 5.702G | 68  | 5.664G |
| 69 | 5.430G | 70 | 5.359G | 71 | 5.285G | 72  | 5.621G |
| 73 | 5.316G | 74 | 5.377G | 75 | 5.358G | 76  | 5.456G |
| 77 | 5.656G | 78 | 5.542G | 79 | 5.710G | 80  | 5.293G |
| 81 | 5.416G | 82 | 5.394G | 83 | 5.551G | 84  | 5.294G |
| 85 | 5.566G | 86 | 5.450G | 87 | 5.279G | 88  | 5.381G |
| 89 | 5.485G | 90 | 5.255G | 91 | 5.611G | 92  | 5.447G |
| 93 | 5.432G | 94 | 5.271G | 95 | 5.403G | 96  | 5.476G |
| 97 | 5.537G | 98 | 5.276G | 99 | 5.688G | 100 | 5.665G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.384G            | 2    | 5.529G            | 3    | 5.452G            | 4    | 5.458G            |
| 5                                                | 5.480G            | 6    | 5.664G            | 7    | 5.275G            | 8    | 5.400G            |
| 9                                                | 5.290G            | 10   | 5.494G            | 11   | 5.440G            | 12   | 5.324G            |
| 13                                               | 5.277G            | 14   | 5.558G            | 15   | 5.315G            | 16   | 5.438G            |
| 17                                               | 5.381G            | 18   | 5.411G            | 19   | 5.622G            | 20   | 5.602G            |
| 21                                               | 5.302G            | 22   | 5.596G            | 23   | 5.641G            | 24   | 5.327G            |
| 25                                               | 5.391G            | 26   | 5.471G            | 27   | 5.361G            | 28   | 5.716G            |
| 29                                               | 5.303G            | 30   | 5.453G            | 31   | 5.306G            | 32   | 5.338G            |
| 33                                               | 5.636G            | 34   | 5.513G            | 35   | 5.643G            | 36   | 5.294G            |
| 37                                               | 5.589G            | 38   | 5.659G            | 39   | 5.485G            | 40   | 5.593G            |
| 41                                               | 5.539G            | 42   | 5.487G            | 43   | 5.319G            | 44   | 5.661G            |
| 45                                               | 5.584G            | 46   | 5.371G            | 47   | 5.419G            | 48   | 5.316G            |
| 49                                               | 5.491G            | 50   | 5.445G            | 51   | 5.645G            | 52   | 5.251G            |
| 53                                               | 5.279G            | 54   | 5.597G            | 55   | 5.618G            | 56   | 5.341G            |
| 57                                               | 5.328G            | 58   | 5.336G            | 59   | 5.686G            | 60   | 5.546G            |
| 61                                               | 5.652G            | 62   | 5.289G            | 63   | 5.669G            | 64   | 5.500G            |
| 65                                               | 5.269G            | 66   | 5.299G            | 67   | 5.581G            | 68   | 5.441G            |
| 69                                               | 5.454G            | 70   | 5.396G            | 71   | 5.543G            | 72   | 5.695G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.350G | 74 | 5.477G | 75 | 5.395G | 76  | 5.538G |
| 77 | 5.631G | 78 | 5.700G | 79 | 5.547G | 80  | 5.357G |
| 81 | 5.647G | 82 | 5.387G | 83 | 5.675G | 84  | 5.376G |
| 85 | 5.495G | 86 | 5.293G | 87 | 5.369G | 88  | 5.427G |
| 89 | 5.474G | 90 | 5.259G | 91 | 5.696G | 92  | 5.380G |
| 93 | 5.577G | 94 | 5.372G | 95 | 5.330G | 96  | 5.505G |
| 97 | 5.291G | 98 | 5.478G | 99 | 5.642G | 100 | 5.576G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.698G            | 2    | 5.478G            | 3    | 5.598G            | 4    | 5.380G            |
| 5                                                | 5.302G            | 6    | 5.678G            | 7    | 5.496G            | 8    | 5.664G            |
| 9                                                | 5.351G            | 10   | 5.278G            | 11   | 5.482G            | 12   | 5.626G            |
| 13                                               | 5.627G            | 14   | 5.466G            | 15   | 5.717G            | 16   | 5.684G            |
| 17                                               | 5.414G            | 18   | 5.303G            | 19   | 5.643G            | 20   | 5.498G            |
| 21                                               | 5.384G            | 22   | 5.283G            | 23   | 5.307G            | 24   | 5.590G            |
| 25                                               | 5.421G            | 26   | 5.488G            | 27   | 5.454G            | 28   | 5.712G            |
| 29                                               | 5.607G            | 30   | 5.495G            | 31   | 5.395G            | 32   | 5.425G            |
| 33                                               | 5.600G            | 34   | 5.422G            | 35   | 5.721G            | 36   | 5.551G            |
| 37                                               | 5.387G            | 38   | 5.538G            | 39   | 5.603G            | 40   | 5.338G            |
| 41                                               | 5.706G            | 42   | 5.400G            | 43   | 5.624G            | 44   | 5.442G            |
| 45                                               | 5.693G            | 46   | 5.435G            | 47   | 5.559G            | 48   | 5.267G            |
| 49                                               | 5.491G            | 50   | 5.416G            | 51   | 5.720G            | 52   | 5.574G            |
| 53                                               | 5.708G            | 54   | 5.587G            | 55   | 5.656G            | 56   | 5.348G            |
| 57                                               | 5.558G            | 58   | 5.529G            | 59   | 5.695G            | 60   | 5.500G            |
| 61                                               | 5.285G            | 62   | 5.271G            | 63   | 5.374G            | 64   | 5.575G            |
| 65                                               | 5.683G            | 66   | 5.629G            | 67   | 5.415G            | 68   | 5.615G            |
| 69                                               | 5.612G            | 70   | 5.502G            | 71   | 5.701G            | 72   | 5.670G            |
| 73                                               | 5.381G            | 74   | 5.652G            | 75   | 5.611G            | 76   | 5.632G            |
| 77                                               | 5.679G            | 78   | 5.459G            | 79   | 5.263G            | 80   | 5.682G            |
| 81                                               | 5.424G            | 82   | 5.550G            | 83   | 5.517G            | 84   | 5.323G            |
| 85                                               | 5.579G            | 86   | 5.620G            | 87   | 5.318G            | 88   | 5.592G            |
| 89                                               | 5.480G            | 90   | 5.507G            | 91   | 5.335G            | 92   | 5.503G            |
| 93                                               | 5.360G            | 94   | 5.357G            | 95   | 5.658G            | 96   | 5.660G            |
| 97                                               | 5.311G            | 98   | 5.286G            | 99   | 5.567G            | 100  | 5.260G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.694G            | 2    | 5.279G            | 3    | 5.273G            | 4    | 5.264G            |
| 5                                                | 5.696G            | 6    | 5.394G            | 7    | 5.640G            | 8    | 5.577G            |
| 9                                                | 5.476G            | 10   | 5.634G            | 11   | 5.629G            | 12   | 5.617G            |
| 13                                               | 5.482G            | 14   | 5.605G            | 15   | 5.374G            | 16   | 5.688G            |
| 17                                               | 5.453G            | 18   | 5.559G            | 19   | 5.498G            | 20   | 5.503G            |
| 21                                               | 5.675G            | 22   | 5.283G            | 23   | 5.347G            | 24   | 5.313G            |
| 25                                               | 5.315G            | 26   | 5.697G            | 27   | 5.396G            | 28   | 5.328G            |
| 29                                               | 5.349G            | 30   | 5.468G            | 31   | 5.690G            | 32   | 5.595G            |
| 33                                               | 5.333G            | 34   | 5.422G            | 35   | 5.455G            | 36   | 5.702G            |
| 37                                               | 5.644G            | 38   | 5.671G            | 39   | 5.484G            | 40   | 5.686G            |
| 41                                               | 5.632G            | 42   | 5.719G            | 43   | 5.311G            | 44   | 5.253G            |
| 45                                               | 5.458G            | 46   | 5.462G            | 47   | 5.316G            | 48   | 5.590G            |
| 49                                               | 5.323G            | 50   | 5.539G            | 51   | 5.256G            | 52   | 5.423G            |
| 53                                               | 5.467G            | 54   | 5.584G            | 55   | 5.309G            | 56   | 5.428G            |
| 57                                               | 5.359G            | 58   | 5.586G            | 59   | 5.358G            | 60   | 5.680G            |
| 61                                               | 5.436G            | 62   | 5.611G            | 63   | 5.668G            | 64   | 5.592G            |
| 65                                               | 5.569G            | 66   | 5.576G            | 67   | 5.379G            | 68   | 5.566G            |
| 69                                               | 5.626G            | 70   | 5.301G            | 71   | 5.534G            | 72   | 5.581G            |
| 73                                               | 5.260G            | 74   | 5.512G            | 75   | 5.656G            | 76   | 5.693G            |
| 77                                               | 5.717G            | 78   | 5.261G            | 79   | 5.676G            | 80   | 5.454G            |
| 81                                               | 5.344G            | 82   | 5.343G            | 83   | 5.529G            | 84   | 5.679G            |
| 85                                               | 5.440G            | 86   | 5.317G            | 87   | 5.445G            | 88   | 5.425G            |
| 89                                               | 5.406G            | 90   | 5.294G            | 91   | 5.575G            | 92   | 5.658G            |
| 93                                               | 5.326G            | 94   | 5.446G            | 95   | 5.386G            | 96   | 5.607G            |
| 97                                               | 5.312G            | 98   | 5.289G            | 99   | 5.662G            | 100  | 5.390G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.404G            | 2    | 5.510G            | 3    | 5.331G            | 4    | 5.666G            |
| 5                                                | 5.480G            | 6    | 5.260G            | 7    | 5.614G            | 8    | 5.720G            |
| 9                                                | 5.513G            | 10   | 5.379G            | 11   | 5.318G            | 12   | 5.596G            |
| 13                                               | 5.297G            | 14   | 5.324G            | 15   | 5.467G            | 16   | 5.410G            |
| 17                                               | 5.558G            | 18   | 5.670G            | 19   | 5.465G            | 20   | 5.485G            |
| 21                                               | 5.555G            | 22   | 5.470G            | 23   | 5.341G            | 24   | 5.266G            |
| 25                                               | 5.499G            | 26   | 5.713G            | 27   | 5.512G            | 28   | 5.372G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.368G | 30 | 5.457G | 31 | 5.692G | 32  | 5.378G |
| 33 | 5.684G | 34 | 5.658G | 35 | 5.647G | 36  | 5.585G |
| 37 | 5.532G | 38 | 5.592G | 39 | 5.488G | 40  | 5.560G |
| 41 | 5.688G | 42 | 5.721G | 43 | 5.327G | 44  | 5.478G |
| 45 | 5.699G | 46 | 5.714G | 47 | 5.544G | 48  | 5.622G |
| 49 | 5.346G | 50 | 5.250G | 51 | 5.381G | 52  | 5.282G |
| 53 | 5.335G | 54 | 5.420G | 55 | 5.673G | 56  | 5.686G |
| 57 | 5.263G | 58 | 5.304G | 59 | 5.548G | 60  | 5.252G |
| 61 | 5.689G | 62 | 5.395G | 63 | 5.409G | 64  | 5.521G |
| 65 | 5.481G | 66 | 5.575G | 67 | 5.441G | 68  | 5.389G |
| 69 | 5.376G | 70 | 5.258G | 71 | 5.610G | 72  | 5.645G |
| 73 | 5.296G | 74 | 5.529G | 75 | 5.320G | 76  | 5.533G |
| 77 | 5.476G | 78 | 5.497G | 79 | 5.447G | 80  | 5.255G |
| 81 | 5.632G | 82 | 5.685G | 83 | 5.299G | 84  | 5.284G |
| 85 | 5.275G | 86 | 5.398G | 87 | 5.542G | 88  | 5.411G |
| 89 | 5.574G | 90 | 5.553G | 91 | 5.332G | 92  | 5.524G |
| 93 | 5.576G | 94 | 5.506G | 95 | 5.310G | 96  | 5.635G |
| 97 | 5.691G | 98 | 5.716G | 99 | 5.615G | 100 | 5.613G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.610G            | 2    | 5.359G            | 3    | 5.657G            | 4    | 5.616G            |
| 5                                                | 5.692G            | 6    | 5.425G            | 7    | 5.488G            | 8    | 5.708G            |
| 9                                                | 5.714G            | 10   | 5.464G            | 11   | 5.305G            | 12   | 5.549G            |
| 13                                               | 5.264G            | 14   | 5.405G            | 15   | 5.327G            | 16   | 5.572G            |
| 17                                               | 5.699G            | 18   | 5.254G            | 19   | 5.288G            | 20   | 5.499G            |
| 21                                               | 5.311G            | 22   | 5.664G            | 23   | 5.619G            | 24   | 5.358G            |
| 25                                               | 5.295G            | 26   | 5.267G            | 27   | 5.703G            | 28   | 5.477G            |
| 29                                               | 5.585G            | 30   | 5.303G            | 31   | 5.360G            | 32   | 5.517G            |
| 33                                               | 5.723G            | 34   | 5.522G            | 35   | 5.298G            | 36   | 5.313G            |
| 37                                               | 5.563G            | 38   | 5.621G            | 39   | 5.496G            | 40   | 5.687G            |
| 41                                               | 5.586G            | 42   | 5.651G            | 43   | 5.552G            | 44   | 5.250G            |
| 45                                               | 5.325G            | 46   | 5.635G            | 47   | 5.286G            | 48   | 5.686G            |
| 49                                               | 5.506G            | 50   | 5.605G            | 51   | 5.291G            | 52   | 5.306G            |
| 53                                               | 5.535G            | 54   | 5.457G            | 55   | 5.312G            | 56   | 5.627G            |
| 57                                               | 5.334G            | 58   | 5.382G            | 59   | 5.316G            | 60   | 5.318G            |
| 61                                               | 5.661G            | 62   | 5.547G            | 63   | 5.704G            | 64   | 5.702G            |
| 65                                               | 5.456G            | 66   | 5.510G            | 67   | 5.320G            | 68   | 5.370G            |
| 69                                               | 5.644G            | 70   | 5.548G            | 71   | 5.497G            | 72   | 5.502G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.452G | 74 | 5.709G | 75 | 5.417G | 76  | 5.406G |
| 77 | 5.401G | 78 | 5.588G | 79 | 5.534G | 80  | 5.622G |
| 81 | 5.665G | 82 | 5.566G | 83 | 5.478G | 84  | 5.513G |
| 85 | 5.463G | 86 | 5.710G | 87 | 5.270G | 88  | 5.594G |
| 89 | 5.626G | 90 | 5.527G | 91 | 5.409G | 92  | 5.330G |
| 93 | 5.299G | 94 | 5.413G | 95 | 5.574G | 96  | 5.712G |
| 97 | 5.567G | 98 | 5.446G | 99 | 5.545G | 100 | 5.263G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.385G            | 2    | 5.389G            | 3    | 5.678G            | 4    | 5.324G            |
| 5                                                | 5.452G            | 6    | 5.634G            | 7    | 5.351G            | 8    | 5.419G            |
| 9                                                | 5.511G            | 10   | 5.534G            | 11   | 5.661G            | 12   | 5.252G            |
| 13                                               | 5.637G            | 14   | 5.308G            | 15   | 5.469G            | 16   | 5.258G            |
| 17                                               | 5.530G            | 18   | 5.533G            | 19   | 5.345G            | 20   | 5.285G            |
| 21                                               | 5.702G            | 22   | 5.305G            | 23   | 5.312G            | 24   | 5.528G            |
| 25                                               | 5.488G            | 26   | 5.497G            | 27   | 5.684G            | 28   | 5.685G            |
| 29                                               | 5.598G            | 30   | 5.662G            | 31   | 5.421G            | 32   | 5.608G            |
| 33                                               | 5.516G            | 34   | 5.444G            | 35   | 5.397G            | 36   | 5.339G            |
| 37                                               | 5.621G            | 38   | 5.649G            | 39   | 5.526G            | 40   | 5.589G            |
| 41                                               | 5.479G            | 42   | 5.459G            | 43   | 5.261G            | 44   | 5.399G            |
| 45                                               | 5.372G            | 46   | 5.441G            | 47   | 5.253G            | 48   | 5.433G            |
| 49                                               | 5.424G            | 50   | 5.666G            | 51   | 5.381G            | 52   | 5.429G            |
| 53                                               | 5.294G            | 54   | 5.465G            | 55   | 5.504G            | 56   | 5.710G            |
| 57                                               | 5.568G            | 58   | 5.331G            | 59   | 5.711G            | 60   | 5.494G            |
| 61                                               | 5.716G            | 62   | 5.319G            | 63   | 5.505G            | 64   | 5.485G            |
| 65                                               | 5.267G            | 66   | 5.336G            | 67   | 5.383G            | 68   | 5.275G            |
| 69                                               | 5.518G            | 70   | 5.354G            | 71   | 5.343G            | 72   | 5.427G            |
| 73                                               | 5.264G            | 74   | 5.715G            | 75   | 5.510G            | 76   | 5.297G            |
| 77                                               | 5.611G            | 78   | 5.292G            | 79   | 5.581G            | 80   | 5.375G            |
| 81                                               | 5.446G            | 82   | 5.302G            | 83   | 5.371G            | 84   | 5.636G            |
| 85                                               | 5.288G            | 86   | 5.320G            | 87   | 5.557G            | 88   | 5.373G            |
| 89                                               | 5.386G            | 90   | 5.327G            | 91   | 5.357G            | 92   | 5.480G            |
| 93                                               | 5.654G            | 94   | 5.693G            | 95   | 5.541G            | 96   | 5.695G            |
| 97                                               | 5.387G            | 98   | 5.350G            | 99   | 5.304G            | 100  | 5.272G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.527G            | 2    | 5.719G            | 3    | 5.285G            | 4    | 5.696G            |
| 5                                                | 5.718G            | 6    | 5.671G            | 7    | 5.500G            | 8    | 5.252G            |
| 9                                                | 5.657G            | 10   | 5.629G            | 11   | 5.585G            | 12   | 5.564G            |
| 13                                               | 5.307G            | 14   | 5.542G            | 15   | 5.340G            | 16   | 5.258G            |
| 17                                               | 5.642G            | 18   | 5.360G            | 19   | 5.440G            | 20   | 5.383G            |
| 21                                               | 5.386G            | 22   | 5.634G            | 23   | 5.268G            | 24   | 5.720G            |
| 25                                               | 5.316G            | 26   | 5.313G            | 27   | 5.406G            | 28   | 5.471G            |
| 29                                               | 5.624G            | 30   | 5.558G            | 31   | 5.327G            | 32   | 5.475G            |
| 33                                               | 5.400G            | 34   | 5.614G            | 35   | 5.654G            | 36   | 5.370G            |
| 37                                               | 5.469G            | 38   | 5.618G            | 39   | 5.264G            | 40   | 5.496G            |
| 41                                               | 5.514G            | 42   | 5.670G            | 43   | 5.648G            | 44   | 5.701G            |
| 45                                               | 5.510G            | 46   | 5.461G            | 47   | 5.541G            | 48   | 5.250G            |
| 49                                               | 5.610G            | 50   | 5.594G            | 51   | 5.646G            | 52   | 5.336G            |
| 53                                               | 5.325G            | 54   | 5.389G            | 55   | 5.562G            | 56   | 5.358G            |
| 57                                               | 5.442G            | 58   | 5.596G            | 59   | 5.257G            | 60   | 5.398G            |
| 61                                               | 5.572G            | 62   | 5.506G            | 63   | 5.688G            | 64   | 5.708G            |
| 65                                               | 5.371G            | 66   | 5.548G            | 67   | 5.554G            | 68   | 5.530G            |
| 69                                               | 5.498G            | 70   | 5.663G            | 71   | 5.342G            | 72   | 5.365G            |
| 73                                               | 5.586G            | 74   | 5.414G            | 75   | 5.716G            | 76   | 5.627G            |
| 77                                               | 5.446G            | 78   | 5.343G            | 79   | 5.305G            | 80   | 5.628G            |
| 81                                               | 5.632G            | 82   | 5.668G            | 83   | 5.647G            | 84   | 5.532G            |
| 85                                               | 5.267G            | 86   | 5.409G            | 87   | 5.326G            | 88   | 5.704G            |
| 89                                               | 5.540G            | 90   | 5.455G            | 91   | 5.390G            | 92   | 5.494G            |
| 93                                               | 5.565G            | 94   | 5.411G            | 95   | 5.723G            | 96   | 5.538G            |
| 97                                               | 5.529G            | 98   | 5.296G            | 99   | 5.256G            | 100  | 5.280G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.334G            | 2    | 5.291G            | 3    | 5.586G            | 4    | 5.609G            |
| 5                                                | 5.438G            | 6    | 5.301G            | 7    | 5.422G            | 8    | 5.383G            |
| 9                                                | 5.256G            | 10   | 5.713G            | 11   | 5.643G            | 12   | 5.460G            |
| 13                                               | 5.555G            | 14   | 5.593G            | 15   | 5.700G            | 16   | 5.480G            |
| 17                                               | 5.251G            | 18   | 5.707G            | 19   | 5.326G            | 20   | 5.611G            |
| 21                                               | 5.353G            | 22   | 5.335G            | 23   | 5.694G            | 24   | 5.537G            |
| 25                                               | 5.458G            | 26   | 5.687G            | 27   | 5.346G            | 28   | 5.338G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.414G | 30 | 5.702G | 31 | 5.430G | 32  | 5.386G |
| 33 | 5.486G | 34 | 5.587G | 35 | 5.333G | 36  | 5.724G |
| 37 | 5.285G | 38 | 5.436G | 39 | 5.396G | 40  | 5.542G |
| 41 | 5.433G | 42 | 5.306G | 43 | 5.704G | 44  | 5.380G |
| 45 | 5.384G | 46 | 5.255G | 47 | 5.496G | 48  | 5.340G |
| 49 | 5.605G | 50 | 5.473G | 51 | 5.416G | 52  | 5.466G |
| 53 | 5.610G | 54 | 5.716G | 55 | 5.527G | 56  | 5.504G |
| 57 | 5.685G | 58 | 5.357G | 59 | 5.370G | 60  | 5.365G |
| 61 | 5.699G | 62 | 5.439G | 63 | 5.567G | 64  | 5.483G |
| 65 | 5.269G | 66 | 5.261G | 67 | 5.404G | 68  | 5.634G |
| 69 | 5.389G | 70 | 5.655G | 71 | 5.459G | 72  | 5.413G |
| 73 | 5.391G | 74 | 5.690G | 75 | 5.632G | 76  | 5.645G |
| 77 | 5.465G | 78 | 5.250G | 79 | 5.666G | 80  | 5.392G |
| 81 | 5.472G | 82 | 5.701G | 83 | 5.319G | 84  | 5.415G |
| 85 | 5.451G | 86 | 5.705G | 87 | 5.288G | 88  | 5.670G |
| 89 | 5.583G | 90 | 5.714G | 91 | 5.622G | 92  | 5.423G |
| 93 | 5.624G | 94 | 5.500G | 95 | 5.358G | 96  | 5.710G |
| 97 | 5.703G | 98 | 5.298G | 99 | 5.420G | 100 | 5.267G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.551G            | 2    | 5.321G            | 3    | 5.512G            | 4    | 5.476G            |
| 5                                                | 5.699G            | 6    | 5.425G            | 7    | 5.454G            | 8    | 5.358G            |
| 9                                                | 5.414G            | 10   | 5.697G            | 11   | 5.364G            | 12   | 5.267G            |
| 13                                               | 5.517G            | 14   | 5.305G            | 15   | 5.285G            | 16   | 5.492G            |
| 17                                               | 5.262G            | 18   | 5.363G            | 19   | 5.276G            | 20   | 5.537G            |
| 21                                               | 5.621G            | 22   | 5.549G            | 23   | 5.301G            | 24   | 5.428G            |
| 25                                               | 5.399G            | 26   | 5.485G            | 27   | 5.594G            | 28   | 5.643G            |
| 29                                               | 5.595G            | 30   | 5.434G            | 31   | 5.641G            | 32   | 5.313G            |
| 33                                               | 5.642G            | 34   | 5.664G            | 35   | 5.620G            | 36   | 5.268G            |
| 37                                               | 5.590G            | 38   | 5.426G            | 39   | 5.710G            | 40   | 5.259G            |
| 41                                               | 5.718G            | 42   | 5.474G            | 43   | 5.404G            | 44   | 5.593G            |
| 45                                               | 5.402G            | 46   | 5.495G            | 47   | 5.447G            | 48   | 5.644G            |
| 49                                               | 5.660G            | 50   | 5.683G            | 51   | 5.527G            | 52   | 5.572G            |
| 53                                               | 5.688G            | 54   | 5.449G            | 55   | 5.713G            | 56   | 5.279G            |
| 57                                               | 5.553G            | 58   | 5.493G            | 59   | 5.635G            | 60   | 5.578G            |
| 61                                               | 5.403G            | 62   | 5.336G            | 63   | 5.256G            | 64   | 5.374G            |
| 65                                               | 5.368G            | 66   | 5.326G            | 67   | 5.466G            | 68   | 5.451G            |
| 69                                               | 5.265G            | 70   | 5.366G            | 71   | 5.344G            | 72   | 5.513G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.639G | 74 | 5.340G | 75 | 5.299G | 76  | 5.694G |
| 77 | 5.353G | 78 | 5.564G | 79 | 5.270G | 80  | 5.281G |
| 81 | 5.562G | 82 | 5.544G | 83 | 5.510G | 84  | 5.338G |
| 85 | 5.254G | 86 | 5.263G | 87 | 5.347G | 88  | 5.622G |
| 89 | 5.717G | 90 | 5.329G | 91 | 5.677G | 92  | 5.487G |
| 93 | 5.533G | 94 | 5.682G | 95 | 5.705G | 96  | 5.518G |
| 97 | 5.277G | 98 | 5.667G | 99 | 5.464G | 100 | 5.441G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.358G         | 2    | 5.484G         | 3    | 5.337G         | 4    | 5.633G         |
| 5                                                | 5.692G         | 6    | 5.279G         | 7    | 5.520G         | 8    | 5.340G         |
| 9                                                | 5.611G         | 10   | 5.466G         | 11   | 5.599G         | 12   | 5.277G         |
| 13                                               | 5.610G         | 14   | 5.671G         | 15   | 5.675G         | 16   | 5.577G         |
| 17                                               | 5.608G         | 18   | 5.430G         | 19   | 5.626G         | 20   | 5.573G         |
| 21                                               | 5.387G         | 22   | 5.617G         | 23   | 5.282G         | 24   | 5.609G         |
| 25                                               | 5.698G         | 26   | 5.656G         | 27   | 5.384G         | 28   | 5.440G         |
| 29                                               | 5.558G         | 30   | 5.590G         | 31   | 5.352G         | 32   | 5.392G         |
| 33                                               | 5.582G         | 34   | 5.429G         | 35   | 5.515G         | 36   | 5.472G         |
| 37                                               | 5.388G         | 38   | 5.681G         | 39   | 5.424G         | 40   | 5.426G         |
| 41                                               | 5.674G         | 42   | 5.443G         | 43   | 5.719G         | 44   | 5.620G         |
| 45                                               | 5.299G         | 46   | 5.616G         | 47   | 5.569G         | 48   | 5.287G         |
| 49                                               | 5.265G         | 50   | 5.554G         | 51   | 5.664G         | 52   | 5.601G         |
| 53                                               | 5.482G         | 54   | 5.398G         | 55   | 5.365G         | 56   | 5.642G         |
| 57                                               | 5.714G         | 58   | 5.696G         | 59   | 5.446G         | 60   | 5.294G         |
| 61                                               | 5.444G         | 62   | 5.542G         | 63   | 5.397G         | 64   | 5.721G         |
| 65                                               | 5.560G         | 66   | 5.414G         | 67   | 5.701G         | 68   | 5.514G         |
| 69                                               | 5.268G         | 70   | 5.636G         | 71   | 5.689G         | 72   | 5.557G         |
| 73                                               | 5.510G         | 74   | 5.594G         | 75   | 5.604G         | 76   | 5.564G         |
| 77                                               | 5.257G         | 78   | 5.381G         | 79   | 5.587G         | 80   | 5.369G         |
| 81                                               | 5.668G         | 82   | 5.415G         | 83   | 5.703G         | 84   | 5.383G         |
| 85                                               | 5.585G         | 86   | 5.433G         | 87   | 5.417G         | 88   | 5.347G         |
| 89                                               | 5.368G         | 90   | 5.308G         | 91   | 5.521G         | 92   | 5.354G         |
| 93                                               | 5.531G         | 94   | 5.290G         | 95   | 5.360G         | 96   | 5.565G         |
| 97                                               | 5.649G         | 98   | 5.391G         | 99   | 5.305G         | 100  | 5.319G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.667G            | 2    | 5.543G            | 3    | 5.530G            | 4    | 5.595G            |
| 5                                                | 5.624G            | 6    | 5.437G            | 7    | 5.628G            | 8    | 5.533G            |
| 9                                                | 5.538G            | 10   | 5.425G            | 11   | 5.499G            | 12   | 5.623G            |
| 13                                               | 5.669G            | 14   | 5.268G            | 15   | 5.366G            | 16   | 5.355G            |
| 17                                               | 5.369G            | 18   | 5.553G            | 19   | 5.251G            | 20   | 5.400G            |
| 21                                               | 5.719G            | 22   | 5.347G            | 23   | 5.592G            | 24   | 5.383G            |
| 25                                               | 5.710G            | 26   | 5.398G            | 27   | 5.404G            | 28   | 5.706G            |
| 29                                               | 5.320G            | 30   | 5.278G            | 31   | 5.641G            | 32   | 5.513G            |
| 33                                               | 5.326G            | 34   | 5.537G            | 35   | 5.397G            | 36   | 5.700G            |
| 37                                               | 5.566G            | 38   | 5.306G            | 39   | 5.406G            | 40   | 5.309G            |
| 41                                               | 5.361G            | 42   | 5.455G            | 43   | 5.510G            | 44   | 5.378G            |
| 45                                               | 5.314G            | 46   | 5.465G            | 47   | 5.301G            | 48   | 5.454G            |
| 49                                               | 5.632G            | 50   | 5.402G            | 51   | 5.637G            | 52   | 5.373G            |
| 53                                               | 5.250G            | 54   | 5.578G            | 55   | 5.360G            | 56   | 5.391G            |
| 57                                               | 5.682G            | 58   | 5.650G            | 59   | 5.433G            | 60   | 5.444G            |
| 61                                               | 5.427G            | 62   | 5.639G            | 63   | 5.352G            | 64   | 5.479G            |
| 65                                               | 5.580G            | 66   | 5.671G            | 67   | 5.388G            | 68   | 5.313G            |
| 69                                               | 5.396G            | 70   | 5.713G            | 71   | 5.354G            | 72   | 5.634G            |
| 73                                               | 5.405G            | 74   | 5.293G            | 75   | 5.561G            | 76   | 5.422G            |
| 77                                               | 5.462G            | 78   | 5.385G            | 79   | 5.364G            | 80   | 5.317G            |
| 81                                               | 5.616G            | 82   | 5.686G            | 83   | 5.542G            | 84   | 5.416G            |
| 85                                               | 5.333G            | 86   | 5.631G            | 87   | 5.331G            | 88   | 5.606G            |
| 89                                               | 5.492G            | 90   | 5.393G            | 91   | 5.575G            | 92   | 5.610G            |
| 93                                               | 5.619G            | 94   | 5.335G            | 95   | 5.415G            | 96   | 5.692G            |
| 97                                               | 5.544G            | 98   | 5.327G            | 99   | 5.617G            | 100  | 5.648G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.412G            | 2    | 5.407G            | 3    | 5.435G            | 4    | 5.418G            |
| 5                                                | 5.409G            | 6    | 5.553G            | 7    | 5.611G            | 8    | 5.478G            |
| 9                                                | 5.559G            | 10   | 5.301G            | 11   | 5.402G            | 12   | 5.382G            |
| 13                                               | 5.508G            | 14   | 5.706G            | 15   | 5.422G            | 16   | 5.315G            |
| 17                                               | 5.655G            | 18   | 5.377G            | 19   | 5.709G            | 20   | 5.677G            |
| 21                                               | 5.493G            | 22   | 5.313G            | 23   | 5.446G            | 24   | 5.343G            |
| 25                                               | 5.285G            | 26   | 5.275G            | 27   | 5.703G            | 28   | 5.321G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.597G | 30 | 5.466G | 31 | 5.555G | 32  | 5.349G |
| 33 | 5.464G | 34 | 5.479G | 35 | 5.659G | 36  | 5.252G |
| 37 | 5.558G | 38 | 5.347G | 39 | 5.512G | 40  | 5.398G |
| 41 | 5.338G | 42 | 5.648G | 43 | 5.345G | 44  | 5.271G |
| 45 | 5.681G | 46 | 5.284G | 47 | 5.615G | 48  | 5.673G |
| 49 | 5.326G | 50 | 5.461G | 51 | 5.426G | 52  | 5.594G |
| 53 | 5.309G | 54 | 5.319G | 55 | 5.403G | 56  | 5.462G |
| 57 | 5.380G | 58 | 5.324G | 59 | 5.290G | 60  | 5.267G |
| 61 | 5.441G | 62 | 5.608G | 63 | 5.576G | 64  | 5.717G |
| 65 | 5.484G | 66 | 5.511G | 67 | 5.640G | 68  | 5.375G |
| 69 | 5.451G | 70 | 5.342G | 71 | 5.722G | 72  | 5.266G |
| 73 | 5.362G | 74 | 5.666G | 75 | 5.724G | 76  | 5.283G |
| 77 | 5.623G | 78 | 5.662G | 79 | 5.416G | 80  | 5.575G |
| 81 | 5.372G | 82 | 5.354G | 83 | 5.357G | 84  | 5.391G |
| 85 | 5.713G | 86 | 5.317G | 87 | 5.381G | 88  | 5.428G |
| 89 | 5.376G | 90 | 5.568G | 91 | 5.369G | 92  | 5.439G |
| 93 | 5.639G | 94 | 5.487G | 95 | 5.396G | 96  | 5.689G |
| 97 | 5.642G | 98 | 5.366G | 99 | 5.482G | 100 | 5.638G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.344G            | 2    | 5.355G            | 3    | 5.506G            | 4    | 5.486G            |
| 5                                                | 5.372G            | 6    | 5.357G            | 7    | 5.628G            | 8    | 5.305G            |
| 9                                                | 5.537G            | 10   | 5.350G            | 11   | 5.498G            | 12   | 5.277G            |
| 13                                               | 5.719G            | 14   | 5.462G            | 15   | 5.609G            | 16   | 5.463G            |
| 17                                               | 5.366G            | 18   | 5.673G            | 19   | 5.512G            | 20   | 5.407G            |
| 21                                               | 5.427G            | 22   | 5.282G            | 23   | 5.360G            | 24   | 5.301G            |
| 25                                               | 5.347G            | 26   | 5.578G            | 27   | 5.265G            | 28   | 5.293G            |
| 29                                               | 5.518G            | 30   | 5.499G            | 31   | 5.291G            | 32   | 5.513G            |
| 33                                               | 5.722G            | 34   | 5.685G            | 35   | 5.326G            | 36   | 5.393G            |
| 37                                               | 5.354G            | 38   | 5.388G            | 39   | 5.493G            | 40   | 5.292G            |
| 41                                               | 5.701G            | 42   | 5.507G            | 43   | 5.371G            | 44   | 5.586G            |
| 45                                               | 5.605G            | 46   | 5.621G            | 47   | 5.313G            | 48   | 5.336G            |
| 49                                               | 5.510G            | 50   | 5.476G            | 51   | 5.315G            | 52   | 5.556G            |
| 53                                               | 5.322G            | 54   | 5.713G            | 55   | 5.629G            | 56   | 5.593G            |
| 57                                               | 5.711G            | 58   | 5.643G            | 59   | 5.443G            | 60   | 5.258G            |
| 61                                               | 5.375G            | 62   | 5.359G            | 63   | 5.458G            | 64   | 5.594G            |
| 65                                               | 5.302G            | 66   | 5.721G            | 67   | 5.312G            | 68   | 5.430G            |
| 69                                               | 5.269G            | 70   | 5.267G            | 71   | 5.496G            | 72   | 5.617G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.555G | 74 | 5.418G | 75 | 5.352G | 76  | 5.399G |
| 77 | 5.520G | 78 | 5.343G | 79 | 5.530G | 80  | 5.681G |
| 81 | 5.289G | 82 | 5.616G | 83 | 5.646G | 84  | 5.690G |
| 85 | 5.665G | 86 | 5.649G | 87 | 5.428G | 88  | 5.479G |
| 89 | 5.565G | 90 | 5.582G | 91 | 5.329G | 92  | 5.638G |
| 93 | 5.259G | 94 | 5.272G | 95 | 5.509G | 96  | 5.387G |
| 97 | 5.672G | 98 | 5.704G | 99 | 5.705G | 100 | 5.494G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.474G            | 2    | 5.343G            | 3    | 5.526G            | 4    | 5.618G            |
| 5                                                | 5.558G            | 6    | 5.445G            | 7    | 5.376G            | 8    | 5.315G            |
| 9                                                | 5.617G            | 10   | 5.475G            | 11   | 5.659G            | 12   | 5.585G            |
| 13                                               | 5.724G            | 14   | 5.611G            | 15   | 5.350G            | 16   | 5.284G            |
| 17                                               | 5.299G            | 18   | 5.510G            | 19   | 5.584G            | 20   | 5.681G            |
| 21                                               | 5.599G            | 22   | 5.381G            | 23   | 5.297G            | 24   | 5.463G            |
| 25                                               | 5.436G            | 26   | 5.703G            | 27   | 5.389G            | 28   | 5.509G            |
| 29                                               | 5.506G            | 30   | 5.421G            | 31   | 5.572G            | 32   | 5.615G            |
| 33                                               | 5.289G            | 34   | 5.405G            | 35   | 5.656G            | 36   | 5.689G            |
| 37                                               | 5.688G            | 38   | 5.386G            | 39   | 5.697G            | 40   | 5.529G            |
| 41                                               | 5.269G            | 42   | 5.591G            | 43   | 5.254G            | 44   | 5.579G            |
| 45                                               | 5.710G            | 46   | 5.484G            | 47   | 5.511G            | 48   | 5.629G            |
| 49                                               | 5.325G            | 50   | 5.338G            | 51   | 5.367G            | 52   | 5.632G            |
| 53                                               | 5.649G            | 54   | 5.513G            | 55   | 5.355G            | 56   | 5.583G            |
| 57                                               | 5.434G            | 58   | 5.722G            | 59   | 5.313G            | 60   | 5.624G            |
| 61                                               | 5.371G            | 62   | 5.458G            | 63   | 5.586G            | 64   | 5.532G            |
| 65                                               | 5.485G            | 66   | 5.607G            | 67   | 5.667G            | 68   | 5.479G            |
| 69                                               | 5.517G            | 70   | 5.520G            | 71   | 5.354G            | 72   | 5.723G            |
| 73                                               | 5.466G            | 74   | 5.518G            | 75   | 5.403G            | 76   | 5.564G            |
| 77                                               | 5.633G            | 78   | 5.342G            | 79   | 5.307G            | 80   | 5.271G            |
| 81                                               | 5.335G            | 82   | 5.539G            | 83   | 5.275G            | 84   | 5.660G            |
| 85                                               | 5.653G            | 86   | 5.544G            | 87   | 5.394G            | 88   | 5.423G            |
| 89                                               | 5.634G            | 90   | 5.664G            | 91   | 5.550G            | 92   | 5.620G            |
| 93                                               | 5.272G            | 94   | 5.671G            | 95   | 5.375G            | 96   | 5.597G            |
| 97                                               | 5.560G            | 98   | 5.396G            | 99   | 5.361G            | 100  | 5.470G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.617G            | 2    | 5.547G            | 3    | 5.303G            | 4    | 5.521G            |
| 5                                                | 5.532G            | 6    | 5.454G            | 7    | 5.354G            | 8    | 5.268G            |
| 9                                                | 5.362G            | 10   | 5.336G            | 11   | 5.372G            | 12   | 5.285G            |
| 13                                               | 5.623G            | 14   | 5.597G            | 15   | 5.549G            | 16   | 5.677G            |
| 17                                               | 5.537G            | 18   | 5.666G            | 19   | 5.492G            | 20   | 5.659G            |
| 21                                               | 5.346G            | 22   | 5.267G            | 23   | 5.723G            | 24   | 5.564G            |
| 25                                               | 5.427G            | 26   | 5.543G            | 27   | 5.310G            | 28   | 5.673G            |
| 29                                               | 5.656G            | 30   | 5.582G            | 31   | 5.468G            | 32   | 5.288G            |
| 33                                               | 5.413G            | 34   | 5.465G            | 35   | 5.457G            | 36   | 5.724G            |
| 37                                               | 5.429G            | 38   | 5.337G            | 39   | 5.640G            | 40   | 5.322G            |
| 41                                               | 5.334G            | 42   | 5.687G            | 43   | 5.435G            | 44   | 5.282G            |
| 45                                               | 5.297G            | 46   | 5.550G            | 47   | 5.283G            | 48   | 5.348G            |
| 49                                               | 5.657G            | 50   | 5.387G            | 51   | 5.631G            | 52   | 5.486G            |
| 53                                               | 5.390G            | 54   | 5.678G            | 55   | 5.587G            | 56   | 5.351G            |
| 57                                               | 5.517G            | 58   | 5.583G            | 59   | 5.696G            | 60   | 5.287G            |
| 61                                               | 5.407G            | 62   | 5.608G            | 63   | 5.671G            | 64   | 5.445G            |
| 65                                               | 5.271G            | 66   | 5.394G            | 67   | 5.485G            | 68   | 5.446G            |
| 69                                               | 5.279G            | 70   | 5.621G            | 71   | 5.341G            | 72   | 5.514G            |
| 73                                               | 5.318G            | 74   | 5.408G            | 75   | 5.437G            | 76   | 5.456G            |
| 77                                               | 5.643G            | 78   | 5.693G            | 79   | 5.681G            | 80   | 5.257G            |
| 81                                               | 5.401G            | 82   | 5.393G            | 83   | 5.614G            | 84   | 5.533G            |
| 85                                               | 5.699G            | 86   | 5.620G            | 87   | 5.350G            | 88   | 5.720G            |
| 89                                               | 5.368G            | 90   | 5.609G            | 91   | 5.598G            | 92   | 5.538G            |
| 93                                               | 5.505G            | 94   | 5.498G            | 95   | 5.719G            | 96   | 5.516G            |
| 97                                               | 5.684G            | 98   | 5.645G            | 99   | 5.460G            | 100  | 5.309G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.252G            | 2    | 5.411G            | 3    | 5.333G            | 4    | 5.656G            |
| 5                                                | 5.593G            | 6    | 5.524G            | 7    | 5.257G            | 8    | 5.270G            |
| 9                                                | 5.380G            | 10   | 5.532G            | 11   | 5.376G            | 12   | 5.429G            |
| 13                                               | 5.278G            | 14   | 5.374G            | 15   | 5.453G            | 16   | 5.716G            |
| 17                                               | 5.560G            | 18   | 5.426G            | 19   | 5.514G            | 20   | 5.711G            |
| 21                                               | 5.315G            | 22   | 5.447G            | 23   | 5.403G            | 24   | 5.528G            |
| 25                                               | 5.534G            | 26   | 5.525G            | 27   | 5.424G            | 28   | 5.615G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 29 | 5.479G | 30 | 5.432G | 31 | 5.536G | 32  | 5.659G |
| 33 | 5.482G | 34 | 5.503G | 35 | 5.358G | 36  | 5.470G |
| 37 | 5.576G | 38 | 5.530G | 39 | 5.433G | 40  | 5.678G |
| 41 | 5.585G | 42 | 5.665G | 43 | 5.391G | 44  | 5.510G |
| 45 | 5.449G | 46 | 5.387G | 47 | 5.624G | 48  | 5.583G |
| 49 | 5.283G | 50 | 5.635G | 51 | 5.507G | 52  | 5.390G |
| 53 | 5.370G | 54 | 5.419G | 55 | 5.251G | 56  | 5.527G |
| 57 | 5.496G | 58 | 5.291G | 59 | 5.294G | 60  | 5.443G |
| 61 | 5.616G | 62 | 5.435G | 63 | 5.540G | 64  | 5.699G |
| 65 | 5.709G | 66 | 5.506G | 67 | 5.280G | 68  | 5.563G |
| 69 | 5.493G | 70 | 5.579G | 71 | 5.360G | 72  | 5.553G |
| 73 | 5.431G | 74 | 5.375G | 75 | 5.701G | 76  | 5.262G |
| 77 | 5.599G | 78 | 5.529G | 79 | 5.693G | 80  | 5.269G |
| 81 | 5.652G | 82 | 5.481G | 83 | 5.523G | 84  | 5.454G |
| 85 | 5.359G | 86 | 5.501G | 87 | 5.346G | 88  | 5.268G |
| 89 | 5.303G | 90 | 5.588G | 91 | 5.710G | 92  | 5.477G |
| 93 | 5.264G | 94 | 5.610G | 95 | 5.675G | 96  | 5.718G |
| 97 | 5.255G | 98 | 5.601G | 99 | 5.312G | 100 | 5.367G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.473G            | 2    | 5.308G            | 3    | 5.549G            | 4    | 5.486G            |
| 5                                                | 5.345G            | 6    | 5.595G            | 7    | 5.651G            | 8    | 5.567G            |
| 9                                                | 5.259G            | 10   | 5.667G            | 11   | 5.670G            | 12   | 5.710G            |
| 13                                               | 5.458G            | 14   | 5.692G            | 15   | 5.329G            | 16   | 5.610G            |
| 17                                               | 5.699G            | 18   | 5.538G            | 19   | 5.532G            | 20   | 5.524G            |
| 21                                               | 5.545G            | 22   | 5.586G            | 23   | 5.256G            | 24   | 5.434G            |
| 25                                               | 5.480G            | 26   | 5.472G            | 27   | 5.298G            | 28   | 5.384G            |
| 29                                               | 5.262G            | 30   | 5.377G            | 31   | 5.454G            | 32   | 5.615G            |
| 33                                               | 5.718G            | 34   | 5.475G            | 35   | 5.621G            | 36   | 5.484G            |
| 37                                               | 5.507G            | 38   | 5.299G            | 39   | 5.324G            | 40   | 5.523G            |
| 41                                               | 5.562G            | 42   | 5.647G            | 43   | 5.393G            | 44   | 5.681G            |
| 45                                               | 5.365G            | 46   | 5.544G            | 47   | 5.419G            | 48   | 5.638G            |
| 49                                               | 5.310G            | 50   | 5.348G            | 51   | 5.596G            | 52   | 5.338G            |
| 53                                               | 5.632G            | 54   | 5.513G            | 55   | 5.530G            | 56   | 5.717G            |
| 57                                               | 5.293G            | 58   | 5.422G            | 59   | 5.448G            | 60   | 5.265G            |
| 61                                               | 5.450G            | 62   | 5.566G            | 63   | 5.270G            | 64   | 5.665G            |
| 65                                               | 5.305G            | 66   | 5.491G            | 67   | 5.295G            | 68   | 5.354G            |
| 69                                               | 5.515G            | 70   | 5.339G            | 71   | 5.250G            | 72   | 5.642G            |

|    |        |    |        |    |        |     |        |
|----|--------|----|--------|----|--------|-----|--------|
| 73 | 5.522G | 74 | 5.702G | 75 | 5.349G | 76  | 5.322G |
| 77 | 5.656G | 78 | 5.502G | 79 | 5.671G | 80  | 5.641G |
| 81 | 5.290G | 82 | 5.708G | 83 | 5.289G | 84  | 5.672G |
| 85 | 5.620G | 86 | 5.394G | 87 | 5.373G | 88  | 5.360G |
| 89 | 5.468G | 90 | 5.334G | 91 | 5.361G | 92  | 5.272G |
| 93 | 5.358G | 94 | 5.594G | 95 | 5.504G | 96  | 5.263G |
| 97 | 5.646G | 98 | 5.385G | 99 | 5.356G | 100 | 5.589G |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.251G            | 2    | 5.353G            | 3    | 5.408G            | 4    | 5.270G            |
| 5                                                | 5.346G            | 6    | 5.381G            | 7    | 5.637G            | 8    | 5.537G            |
| 9                                                | 5.723G            | 10   | 5.722G            | 11   | 5.563G            | 12   | 5.686G            |
| 13                                               | 5.721G            | 14   | 5.359G            | 15   | 5.667G            | 16   | 5.677G            |
| 17                                               | 5.333G            | 18   | 5.433G            | 19   | 5.455G            | 20   | 5.289G            |
| 21                                               | 5.358G            | 22   | 5.318G            | 23   | 5.258G            | 24   | 5.342G            |
| 25                                               | 5.298G            | 26   | 5.439G            | 27   | 5.529G            | 28   | 5.611G            |
| 29                                               | 5.561G            | 30   | 5.469G            | 31   | 5.459G            | 32   | 5.553G            |
| 33                                               | 5.635G            | 34   | 5.451G            | 35   | 5.420G            | 36   | 5.254G            |
| 37                                               | 5.331G            | 38   | 5.630G            | 39   | 5.681G            | 40   | 5.339G            |
| 41                                               | 5.424G            | 42   | 5.581G            | 43   | 5.496G            | 44   | 5.398G            |
| 45                                               | 5.355G            | 46   | 5.277G            | 47   | 5.363G            | 48   | 5.539G            |
| 49                                               | 5.533G            | 50   | 5.350G            | 51   | 5.414G            | 52   | 5.613G            |
| 53                                               | 5.556G            | 54   | 5.250G            | 55   | 5.348G            | 56   | 5.583G            |
| 57                                               | 5.683G            | 58   | 5.664G            | 59   | 5.383G            | 60   | 5.493G            |
| 61                                               | 5.536G            | 62   | 5.614G            | 63   | 5.593G            | 64   | 5.443G            |
| 65                                               | 5.697G            | 66   | 5.509G            | 67   | 5.325G            | 68   | 5.513G            |
| 69                                               | 5.633G            | 70   | 5.410G            | 71   | 5.707G            | 72   | 5.655G            |
| 73                                               | 5.627G            | 74   | 5.596G            | 75   | 5.397G            | 76   | 5.456G            |
| 77                                               | 5.472G            | 78   | 5.545G            | 79   | 5.438G            | 80   | 5.488G            |
| 81                                               | 5.287G            | 82   | 5.302G            | 83   | 5.300G            | 84   | 5.484G            |
| 85                                               | 5.549G            | 86   | 5.466G            | 87   | 5.505G            | 88   | 5.471G            |
| 89                                               | 5.491G            | 90   | 5.544G            | 91   | 5.663G            | 92   | 5.713G            |
| 93                                               | 5.423G            | 94   | 5.518G            | 95   | 5.413G            | 96   | 5.506G            |
| 97                                               | 5.724G            | 98   | 5.494G            | 99   | 5.374G            | 100  | 5.269G            |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                   |      |                   |      |                   |      |                   |
|--------------------------------------------------|-------------------|------|-------------------|------|-------------------|------|-------------------|
| SEQ#                                             | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) | SEQ# | Frequency<br>(Hz) |
| 1                                                | 5.653G            | 2    | 5.651G            | 3    | 5.538G            | 4    | 5.509G            |
| 5                                                | 5.600G            | 6    | 5.355G            | 7    | 5.599G            | 8    | 5.310G            |
| 9                                                | 5.407G            | 10   | 5.637G            | 11   | 5.398G            | 12   | 5.306G            |
| 13                                               | 5.534G            | 14   | 5.349G            | 15   | 5.459G            | 16   | 5.620G            |
| 17                                               | 5.473G            | 18   | 5.437G            | 19   | 5.348G            | 20   | 5.320G            |
| 21                                               | 5.486G            | 22   | 5.479G            | 23   | 5.692G            | 24   | 5.461G            |
| 25                                               | 5.335G            | 26   | 5.540G            | 27   | 5.626G            | 28   | 5.722G            |
| 29                                               | 5.621G            | 30   | 5.719G            | 31   | 5.481G            | 32   | 5.379G            |
| 33                                               | 5.578G            | 34   | 5.589G            | 35   | 5.347G            | 36   | 5.390G            |
| 37                                               | 5.456G            | 38   | 5.698G            | 39   | 5.618G            | 40   | 5.341G            |
| 41                                               | 5.420G            | 42   | 5.458G            | 43   | 5.323G            | 44   | 5.272G            |
| 45                                               | 5.471G            | 46   | 5.502G            | 47   | 5.614G            | 48   | 5.315G            |
| 49                                               | 5.513G            | 50   | 5.396G            | 51   | 5.628G            | 52   | 5.387G            |
| 53                                               | 5.307G            | 54   | 5.656G            | 55   | 5.598G            | 56   | 5.448G            |
| 57                                               | 5.607G            | 58   | 5.495G            | 59   | 5.346G            | 60   | 5.300G            |
| 61                                               | 5.679G            | 62   | 5.450G            | 63   | 5.288G            | 64   | 5.680G            |
| 65                                               | 5.443G            | 66   | 5.667G            | 67   | 5.549G            | 68   | 5.281G            |
| 69                                               | 5.474G            | 70   | 5.367G            | 71   | 5.556G            | 72   | 5.321G            |
| 73                                               | 5.329G            | 74   | 5.609G            | 75   | 5.674G            | 76   | 5.377G            |
| 77                                               | 5.336G            | 78   | 5.491G            | 79   | 5.624G            | 80   | 5.576G            |
| 81                                               | 5.380G            | 82   | 5.666G            | 83   | 5.305G            | 84   | 5.442G            |
| 85                                               | 5.285G            | 86   | 5.529G            | 87   | 5.591G            | 88   | 5.282G            |
| 89                                               | 5.350G            | 90   | 5.492G            | 91   | 5.579G            | 92   | 5.585G            |
| 93                                               | 5.676G            | 94   | 5.482G            | 95   | 5.539G            | 96   | 5.309G            |
| 97                                               | 5.635G            | 98   | 5.402G            | 99   | 5.544G            | 100  | 5.382G            |