

## DFS Test Report

**Report No.:** RFBHQL-WTW-P23060721-1

**FCC ID:** 2AVVV-MW09

**Model No.:** MW09

**Received Date:** 2023/6/30

**Test Date:** 2023/9/7 ~ 2023/9/13

**Issued Date:** 2023/10/6

**Applicant:** Meter, Inc

**Address:** 548 Market St San Francisco CA 94104 USA

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

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

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

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



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### Release Control Record

| Issue No.              | Description       | Date Issued |
|------------------------|-------------------|-------------|
| RFBHQL-WTW-P23060721-1 | Original release. | 2023/10/6   |

## 1 Certificate of Conformity

**Product:** Outdoor Wireless Access Point

**Brand:** meter

**Test Model:** MW09

**Sample Status:** Engineering sample

**Applicant:** Meter, Inc

**Test Date:** 2023/9/7 ~ 2023/9/13

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

**References Test Guidance:** KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02

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 :** Celine Chou , **Date:** 2023/10/6  
Celine Chou / Senior Specialist

**Approved by :** Jeremy Lin , **Date:** 2023/10/6  
Jeremy Lin / 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           | ✓                         | ✓            |

\* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40/VHT80 on 802.11ac mode and HE20/HE40/HE80 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report. The worst case was found 802.11ax mode, therefore chosen for the final test.

### 2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

| No. | Product                       | Test Model No. | Software/Firmware Version                                                                           |
|-----|-------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
| 1   | Outdoor Wireless Access Point | MW09           | OpenWrt Chaos Calmer 15.05.1<br>387bd7036+r49254 / LuCI MW09<br>Branch (git-23.198.23516-387bd7036) |

Note:

1. This report is prepared for FCC class II permissive change for is adding 5.26GHz to 5.32GHz and 5.50GHz to 5.72GHz by software.
2. Regarding changes to digital components (memory), applicants for this part have been evaluated through the Class 1 Permissive change process and no non-compliance has occurred. Therefore, this evaluation mainly focuses on the conditions for software to activate the DFS band.

### 2.3 Description of Available Antennas to the EUT

Table 3: Directional Gain

| Ant. Type       |          | Dipole   |          |          |          |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Connector       |          | brass    |          |          |          |          |          |          |
| Frequency (MHz) |          | 2400 MHz | 2450 MHz | 2500 MHz | 5150 MHz | 5350 MHz | 5550 MHz | 5850 MHz |
| Gain (dBi)      | Ant. 2-1 | 5.08     | 5.13     | 5.17     | -        | -        | -        | -        |
|                 | Ant. 2-2 | 5.08     | 5.13     | 5.17     | -        | -        | -        | -        |
|                 | Ant. 5-1 | -        | -        | -        | 5.12     | 5.05     | 5.09     | 5.17     |
|                 | Ant. 5-2 | -        | -        | -        | 5.12     | 5.05     | 5.09     | 5.17     |

\* Detail antenna specification please refer to antenna datasheet an antenna gain measurement report.

\* 5250 ~ 5350 MHz Directional Gain =8.06 dBi

\* 5470 ~ 5725 MHz Directional Gain =8.10 dBi

## 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            | 21.71              | 148.245           |
| 5470~5725            | 21.80              | 151.373           |

#### 802.11ax (HE20)

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 21.90              | 154.888           |
| 5470~5725            | 21.73              | 148.870           |

#### 802.11ax (HE40)

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.75              | 236.958           |
| 5470~5725            | 23.73              | 235.881           |

#### 802.11ax (HE80)

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 22.77              | 189.365           |
| 5470~5725            | 23.72              | 235.627           |

### Beamforming Mode

#### 802.11ax (HE20)

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 18.89              | 77.449            |
| 5470~5725               | 18.72              | 74.440            |

#### 802.11ax (HE40)

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 20.74              | 118.487           |
| 5470~5725               | 20.72              | 117.949           |

#### 802.11ax (HE80)

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 19.76              | 94.689            |
| 5470~5725               | 20.72              | 117.931           |

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

Table 5: The EIRP Output Power List

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.76              | 474.242           |
| 5470~5725            | 26.89              | 488.652           |

#### 802.11ax (HE20)

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.95              | 495.450           |
| 5470~5725            | 26.82              | 480.839           |

#### 802.11ax (HE40)

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 28.80              | 758.578           |
| 5470~5725            | 28.82              | 762.079           |

#### 802.11ax (HE80)

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.82              | 605.341           |
| 5470~5725            | 28.81              | 760.326           |



## Beamforming Mode

### 802.11ax (HE20)

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.95              | 495.450           |
| 5470~5725            | 26.82              | 480.839           |

### 802.11ax (HE40)

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 28.80              | 758.578           |
| 5470~5725            | 28.82              | 762.079           |

### 802.11ax (HE80)

| Frequency Band (MHz) | Max. EIRP Power    |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 27.82              | 605.341           |
| 5470~5725            | 28.82              | 762.079           |

## 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 **762.079 mW** 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

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

## 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: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 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                  | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>-----</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 60%                                        | 30                       |
| 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       | Model No.    | Brand        | Cal. Date     | Cal. Due      |
|-------------------|--------------|--------------|---------------|---------------|
| Spectrum analyzer | ESR          | R&S          | Mar. 27, 2023 | Mar. 26, 2024 |
| Signal generator  | MXG          | KEYSIGHT     | Jan. 06, 2023 | Jan. 05, 2024 |
| Horn antenna      | BBHA 9120 D  | Schwarzbeck  | Nov. 13, 2022 | Nov. 12, 2023 |
| RF coaxial cable  | SUCOFLEX 104 | HUBER SUHNER | NA            | NA            |

Note: Calibrate the RF coaxial cable before each test and use the radiation or conducted method to calibrate the reference FCC KDB 412172 standard.

### 4.2 Description of Support Units

Table 14: Support Unit Information.

| No. | Product         | Brand | Model No. | FCC ID     |
|-----|-----------------|-------|-----------|------------|
| 1   | Wireless module | Intel | AX200     | PD9AX200NG |

Note: This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

Table 15: Software/Firmware Information.

| No. | Product         | Brand | Model No. | Software/Firmware Version |
|-----|-----------------|-------|-----------|---------------------------|
| 1   | Wireless module | Intel | AX200     | 22.60.0.6                 |

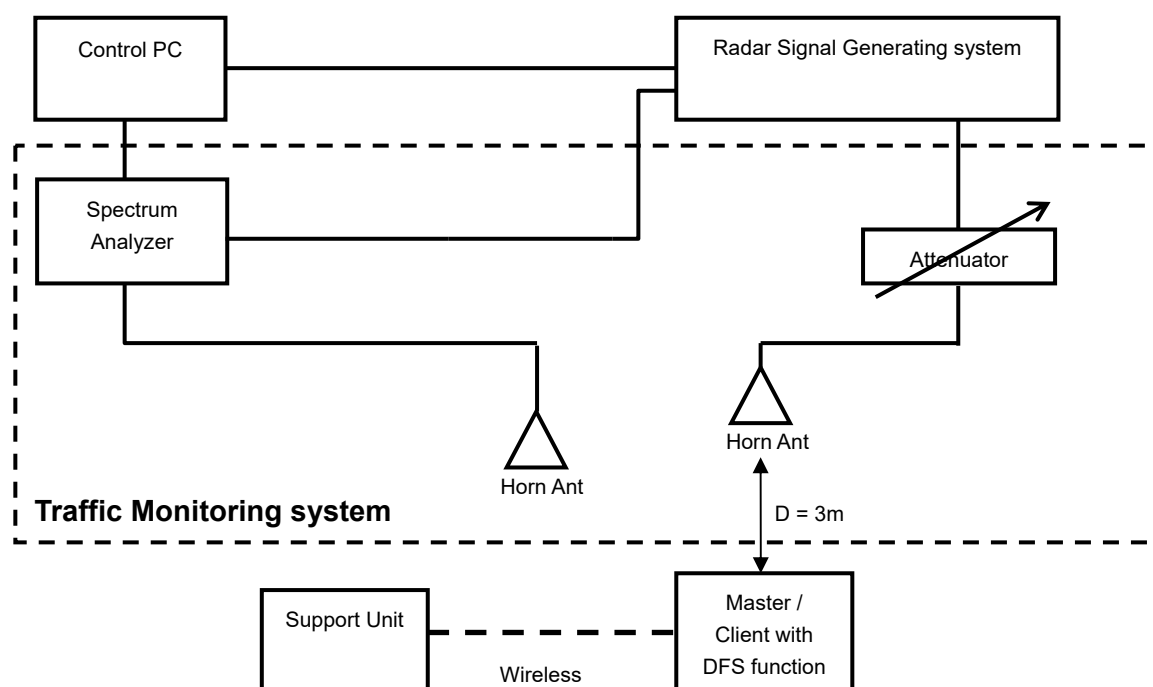
Note: This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

## 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



#### Channel Loading

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:

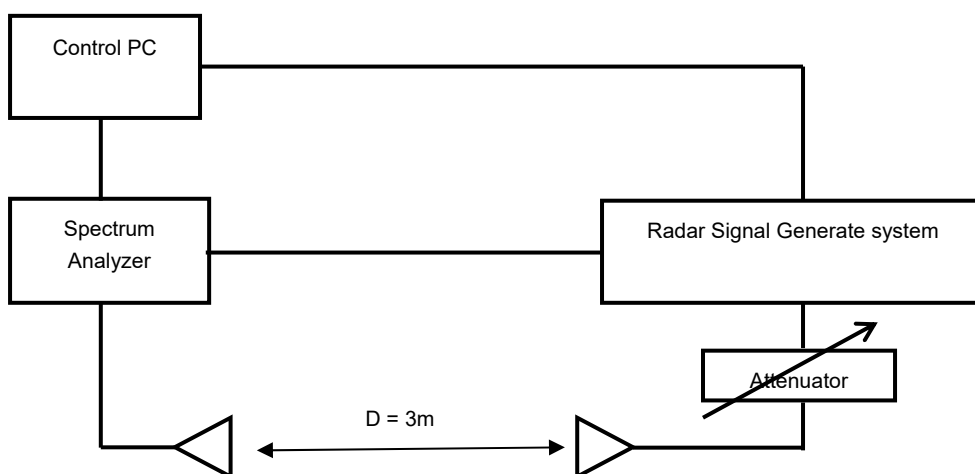
|   |                                                                                                                                                                            |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | 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

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.

### Radiated setup configuration of Calibration of DFS Detection Threshold Level

The radar signal generate system is generating waveform pattern of radar types. The amplitude of the radar signal generator system is adjusted to yield a level of -64 dBm as measured on the spectrum analyzer. The interference detection threshold level is lower than -64dBm hence it provides margin to the limit.



## 5.3 Deviation from Test Standard

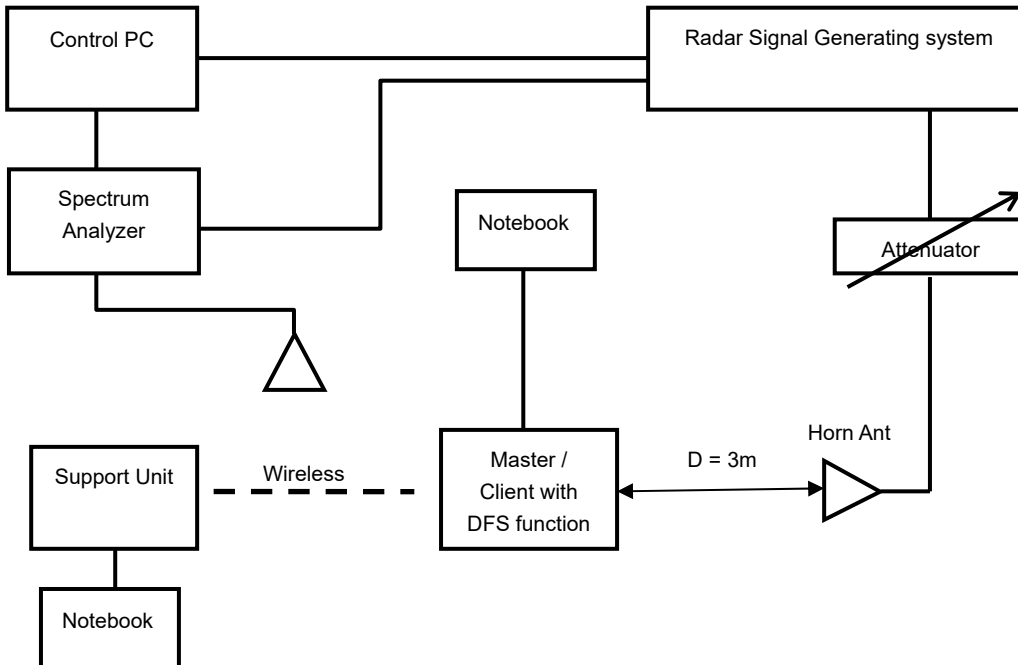
No deviation.



## 5.4 Radiated Test Setup Configuration

### Master mode

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



## 6 Test Results

### 6.1 Summary of Test Results

| Clause | Test Parameter                    | Remarks    | Pass/Fail |
|--------|-----------------------------------|------------|-----------|
| 15.407 | DFS Detection Threshold           | 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 | U-NII Detection Bandwidth         | Applicable | Pass      |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

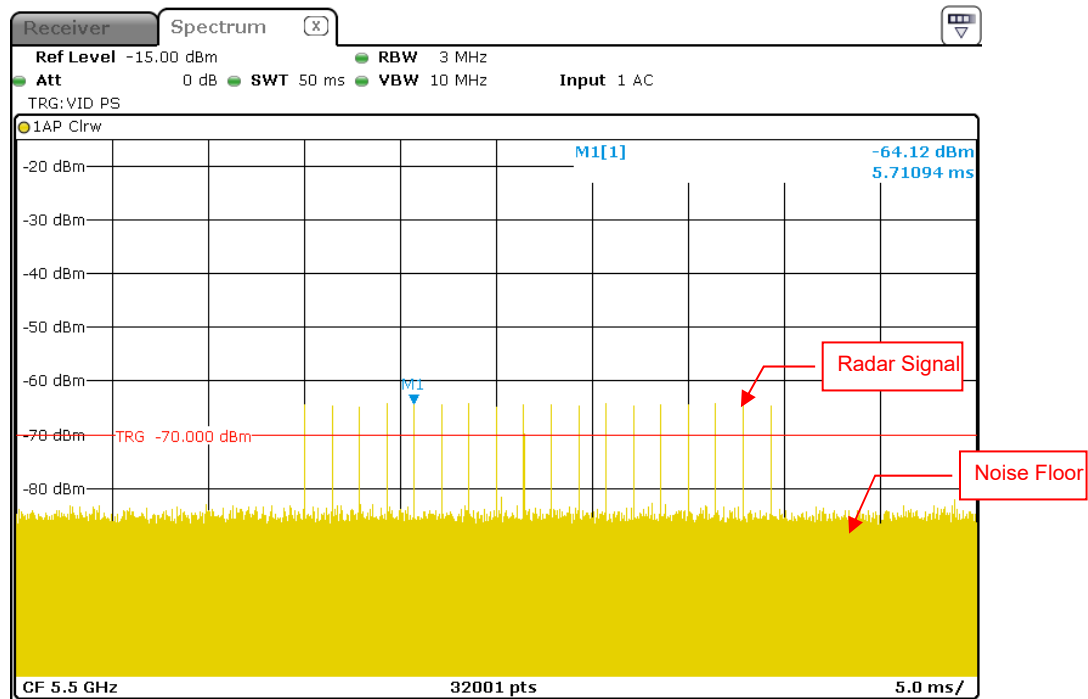
## 6.2 Test Results

### 6.2.1 Test Mode: Device Operating In Master Mode

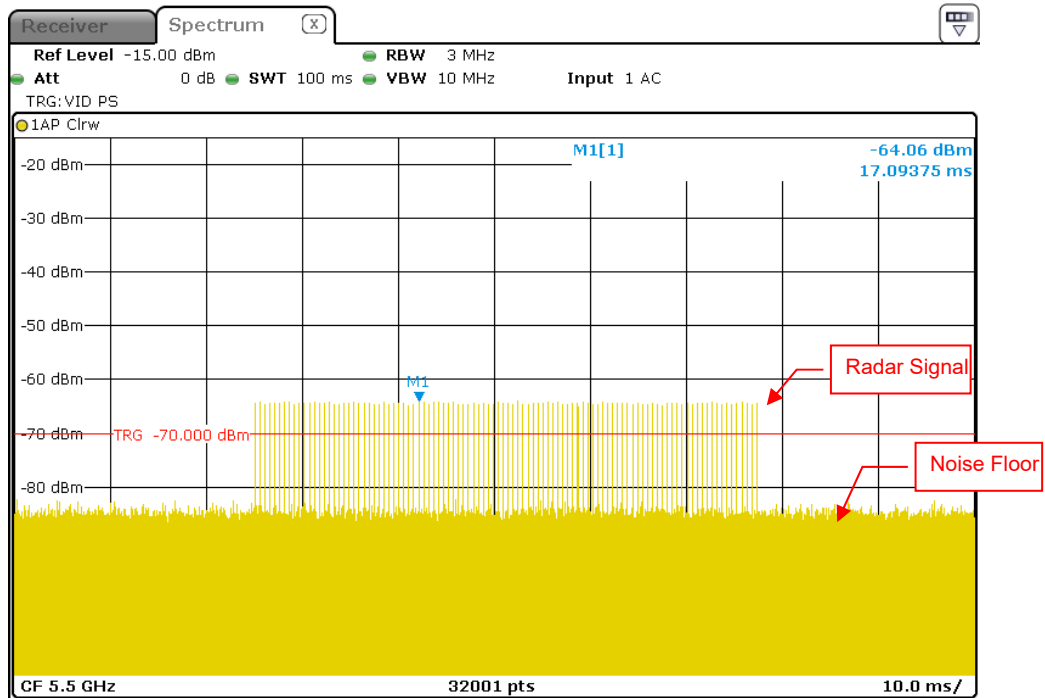
The radar test waveforms are injected into the Master.

#### DFS Detection Threshold

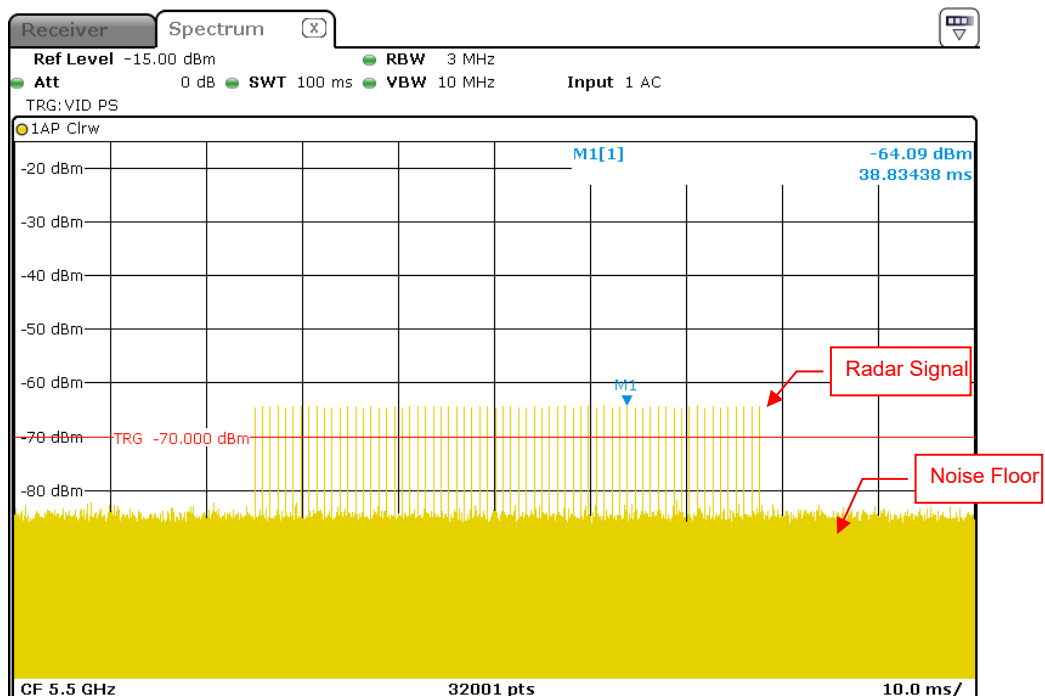
For detection threshold level of -64dBm, the tested level is lower than required level for 1dB, hence it provides margin to the limit.



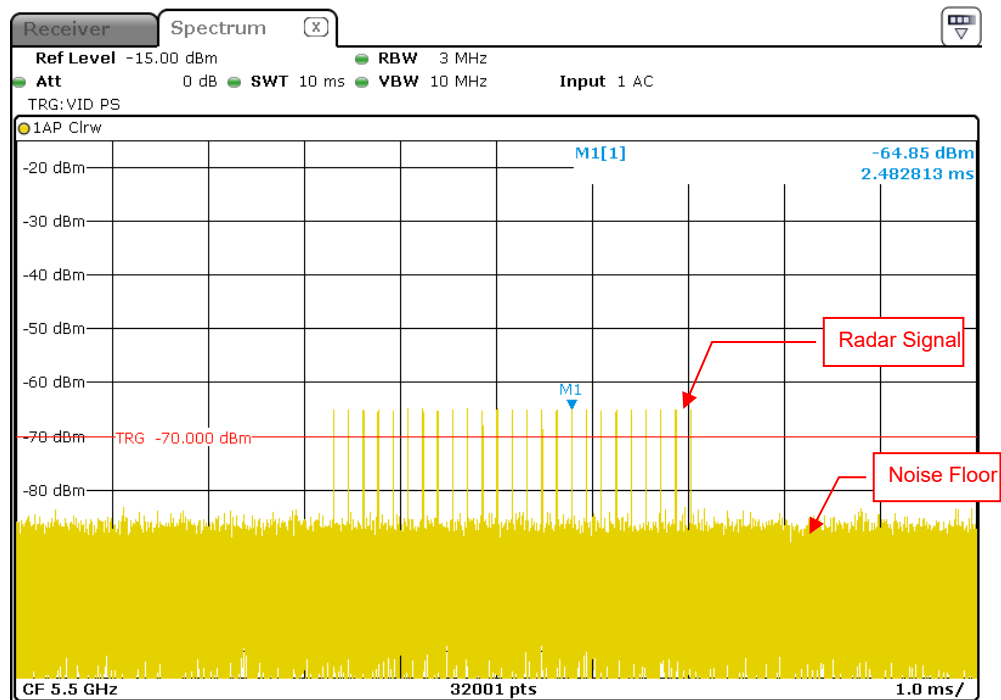
Radar Signal 0



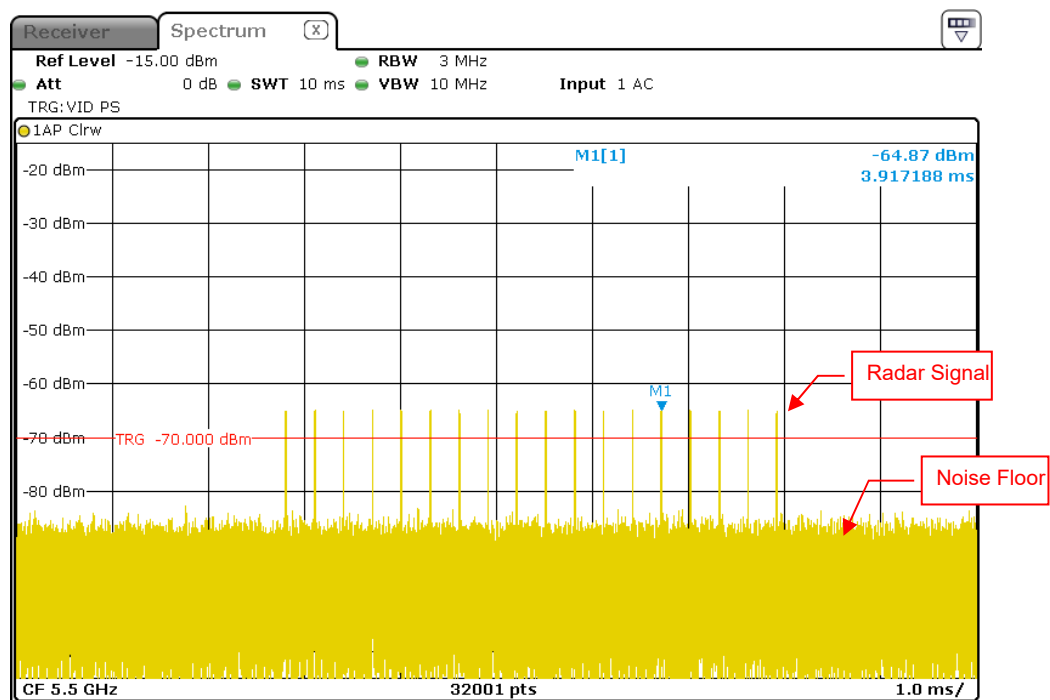
Radar Signal 1 (Test A)



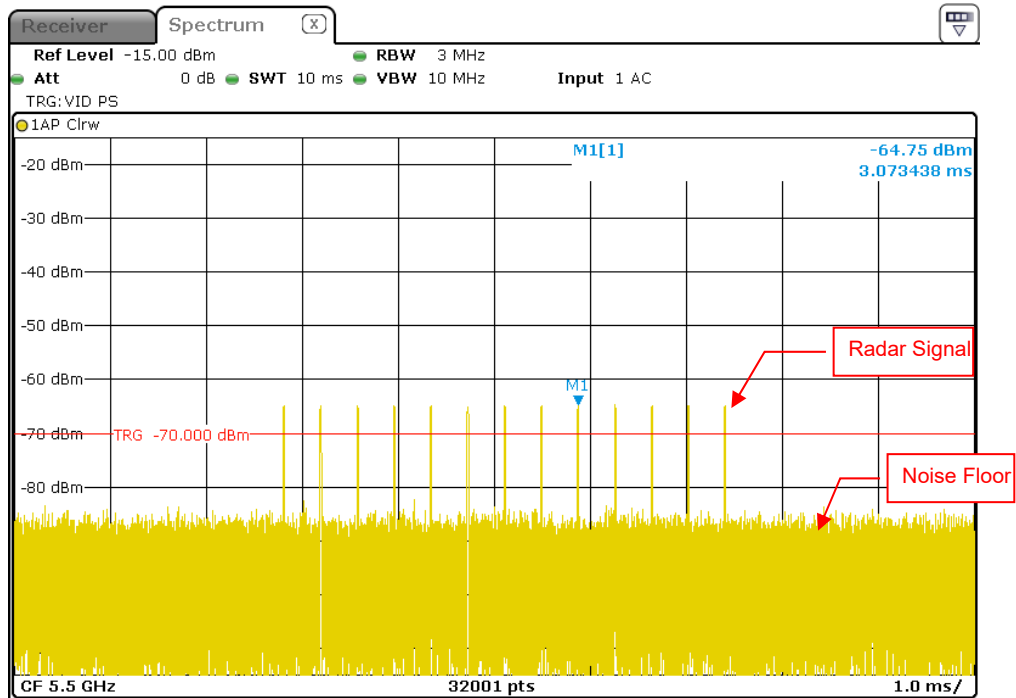
Radar Signal 1 (Test B)



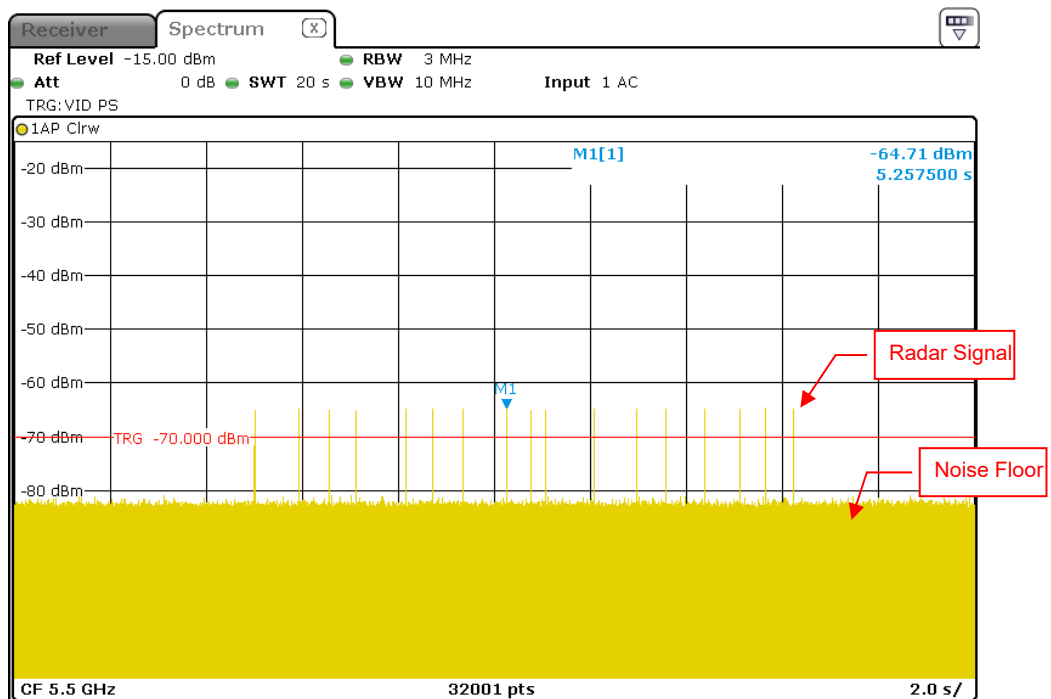
Radar Signal 2



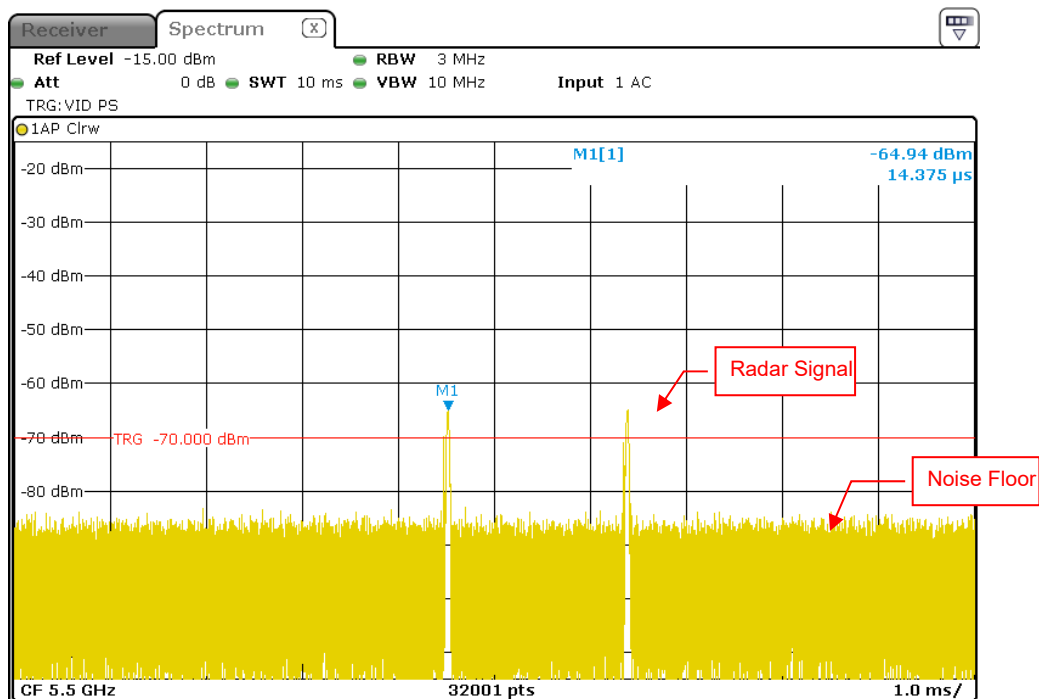
Radar Signal 3



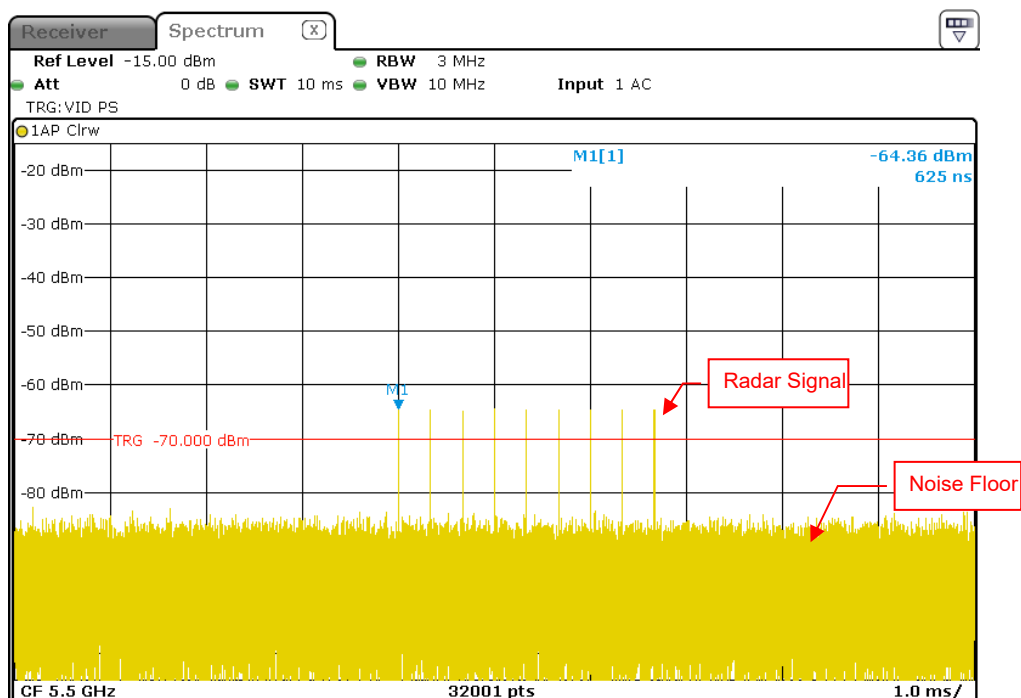
Radar Signal 4



Radar Signal 5



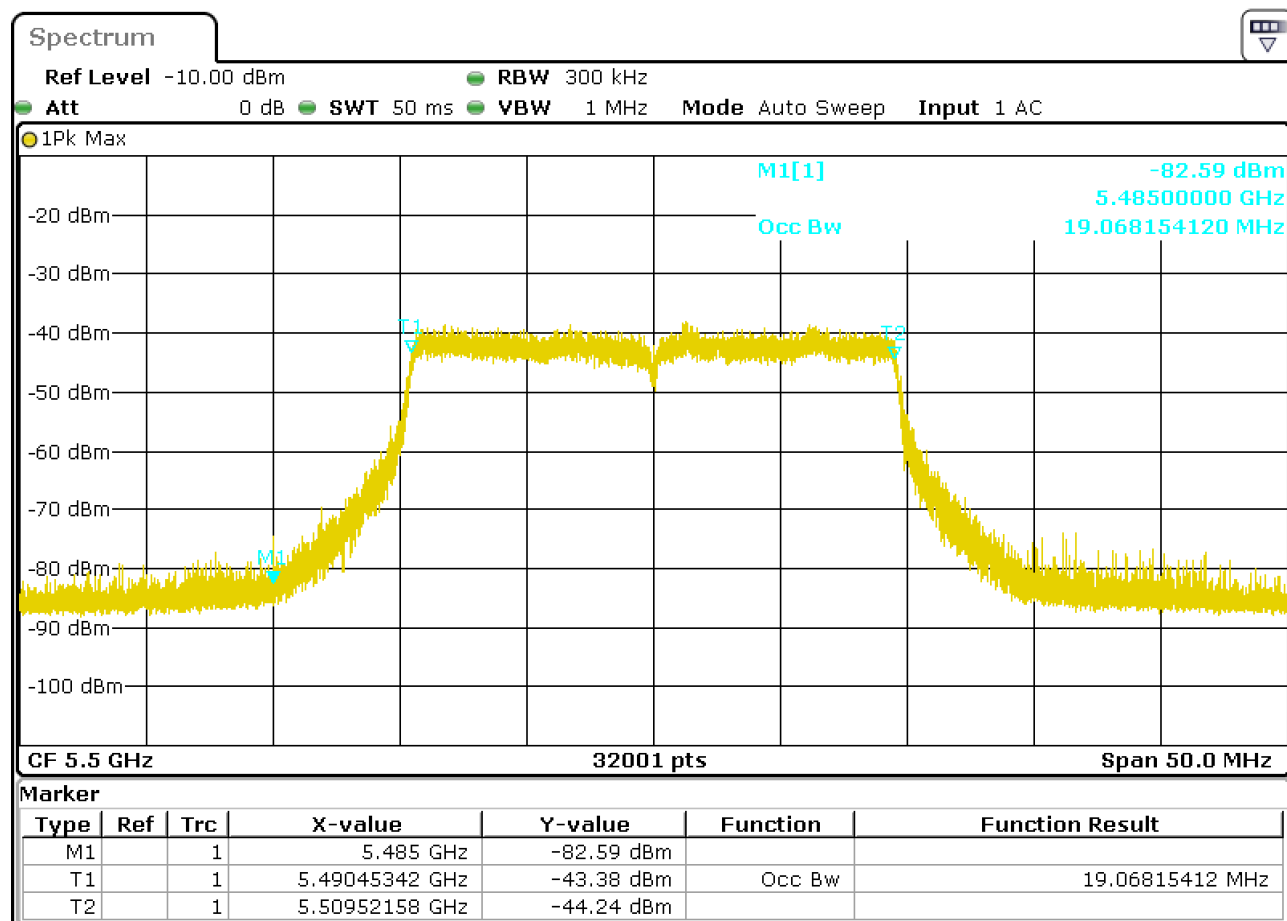
Single Burst of Radar Signal 5



Radar Signal 6

## 6.2.2 U-NII Detection Bandwidth

### IEEE 802.11ax HE20



U-NII 99% Channel bandwidth

#### Notes:

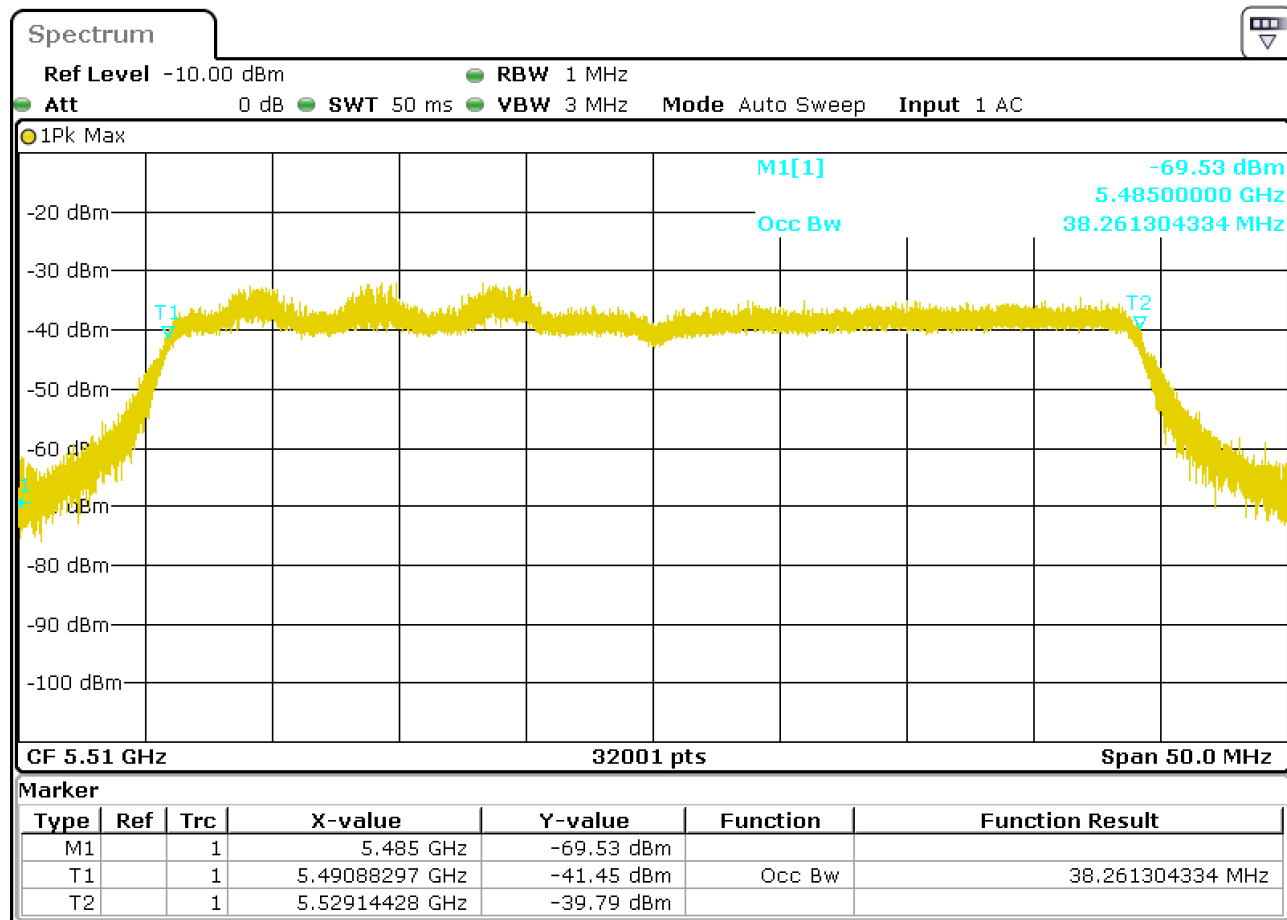
UUT Occupied Bandwidth : 19.07 MHz

UUT Occupied Bandwidth low edge (FL) : 5490.45 MHz

UUT Occupied Bandwidth high edge (FH) : 5509.52 MHz



## IEEE 802.11ax HE40



U-NII 99% Channel bandwidth

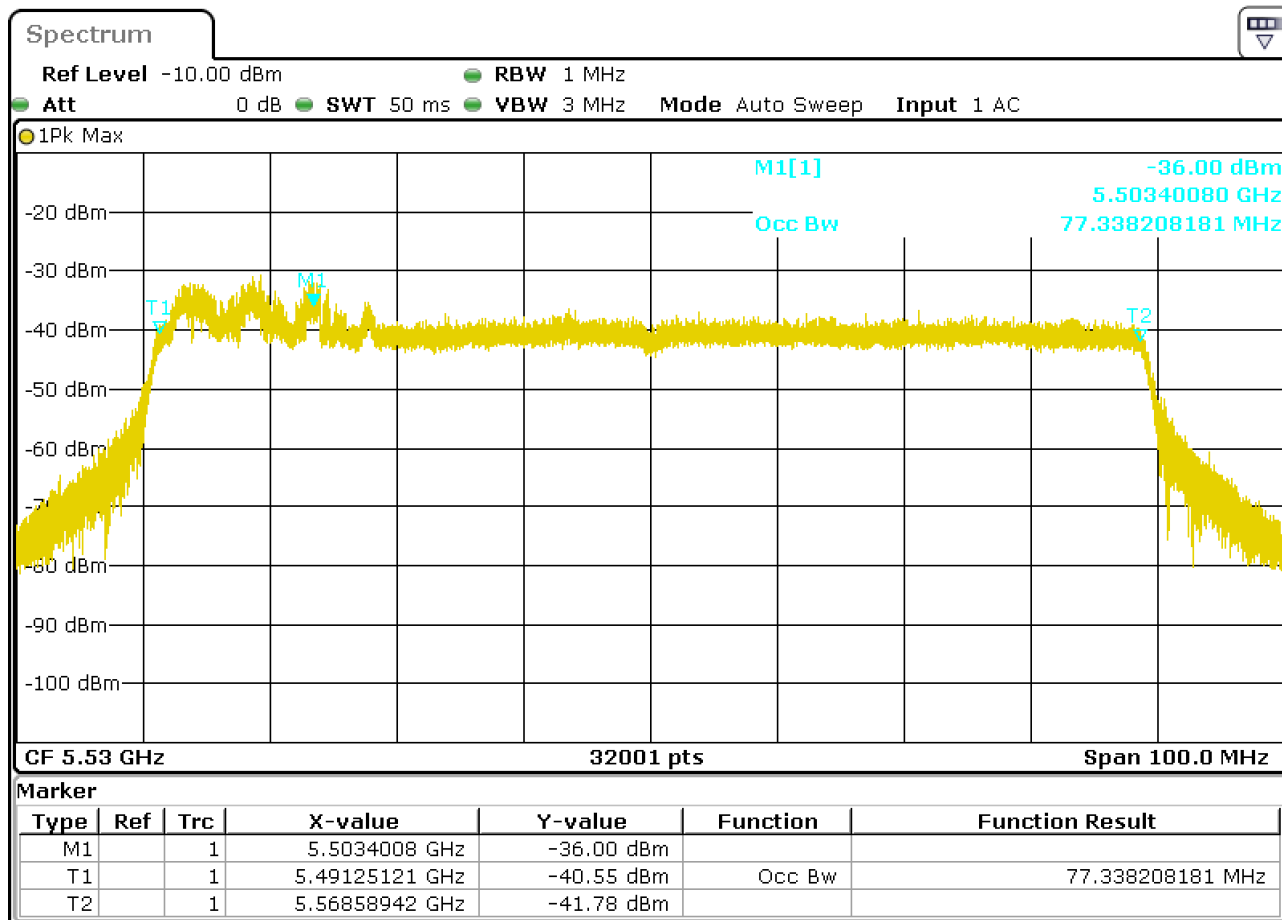
### Notes:

UUT Occupied Bandwidth : 38.26 MHz

UUT Occupied Bandwidth low edge (FL) : 5490.88 MHz

UUT Occupied Bandwidth high edge (FH) : 5529.14 MHz

# IEEE 802.11ax HE80



U-NII 99% Channel bandwidth

## Notes:

UUT Occupied Bandwidth : 77.34 MHz  
UUT Occupied Bandwidth low edge (FL) : 5491.25 MHz  
UUT Occupied Bandwidth high edge (FH) : 5568.59 MHz

# Detection Bandwidth Test - 802.11ax (HE20)

Radar Type 0

EUT Frequency: 5500MHz

EUT 99% Power bandwidth: 19.07MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth):19.07MHz

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 - 802.11ax (HE40)

Radar Type 0

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 38.26MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 38.26MHz

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 | 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 (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 - 802.11ax (HE80)

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 77.34 MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 77.34 MHz

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   |

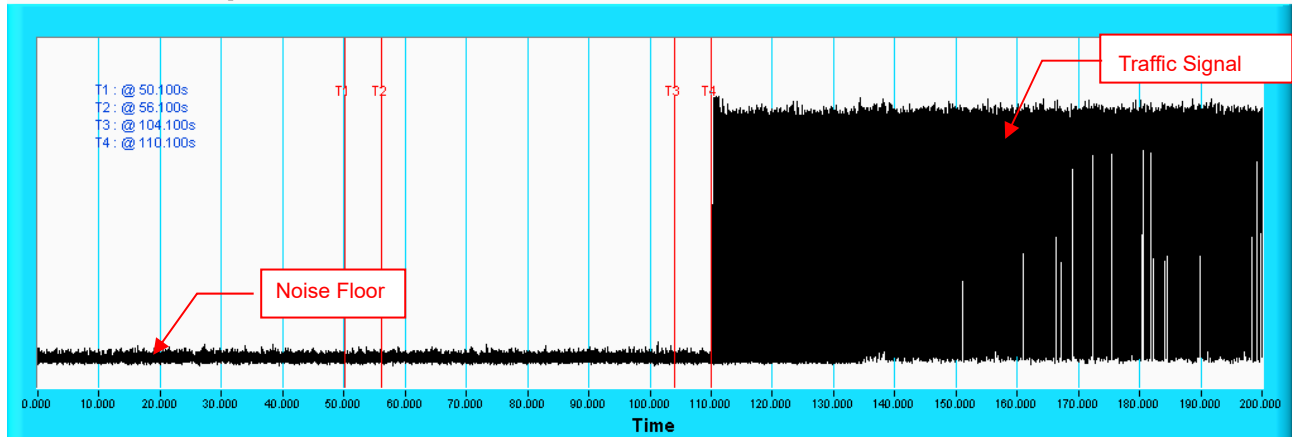
### 6.2.3 Channel Availability Check Time

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  |

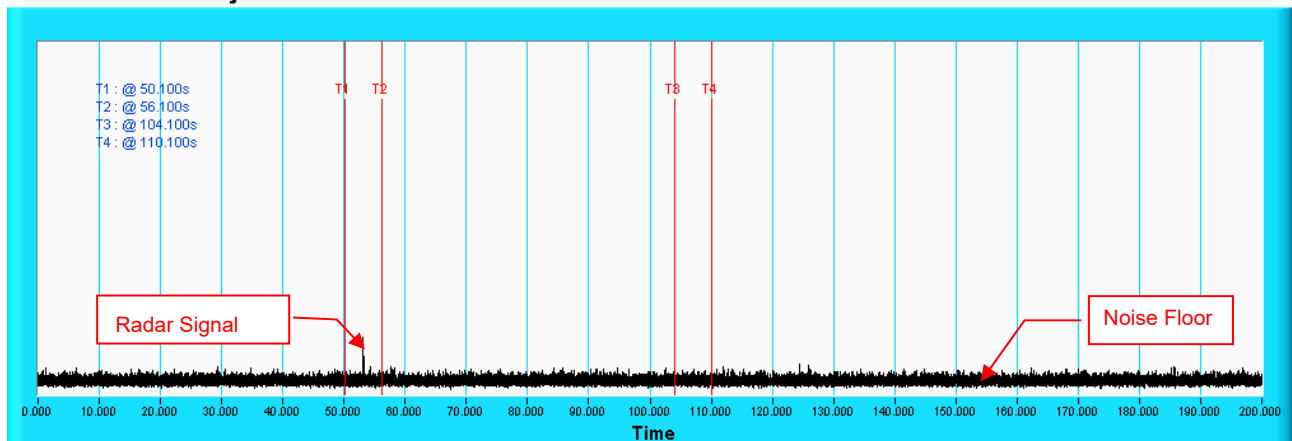
Note: Worst case channel for final “Channel Availability Check” test.

### Initial Channel Availability Check Time Channel Availability Check



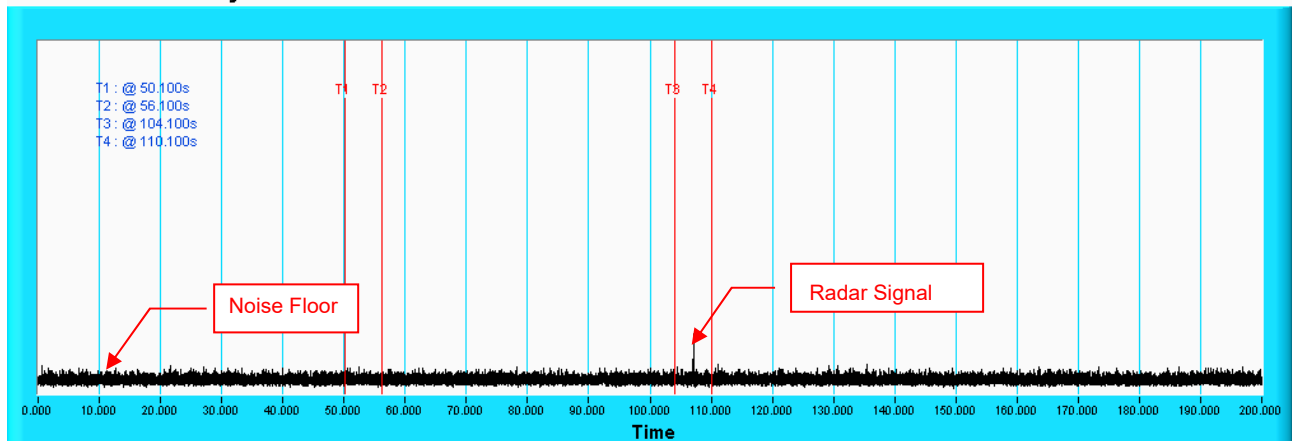
Note: T1 denotes the end of power-up time period is 50.1<sup>th</sup> second. T4 denotes the end of Channel Availability Check time is 110.1<sup>th</sup> second. Channel Availability Check time is equal to ( T4 – T1) 60 seconds.

### 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 50.1<sup>th</sup> second. T2 denotes 56.1<sup>th</sup> second and the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 110.1<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 50.1<sup>th</sup> second. T3 denotes 104.1<sup>th</sup> second and the 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 110.1<sup>th</sup> second.

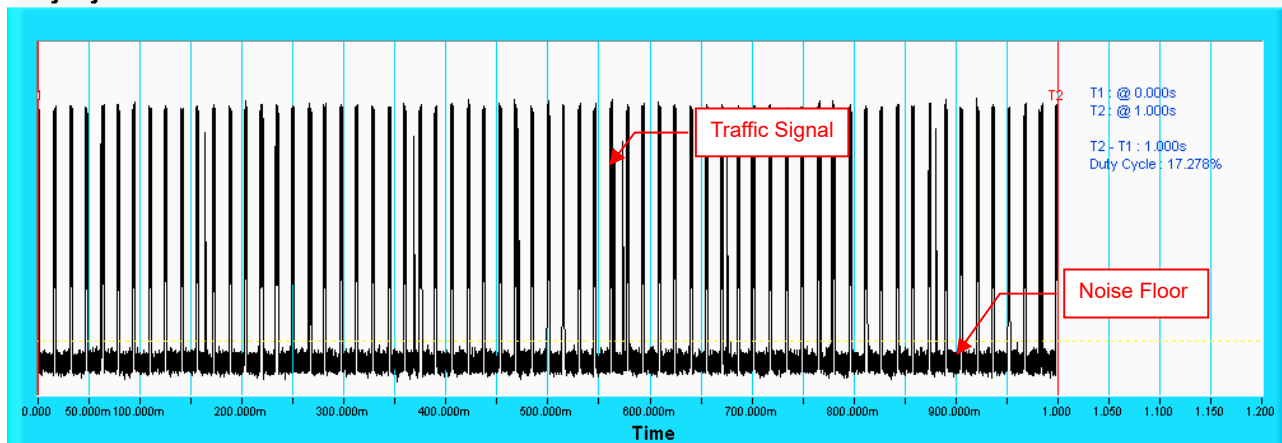


## 6.2.4 Channel Closing Transmission and Channel Move Time

### Wireless Traffic Loading

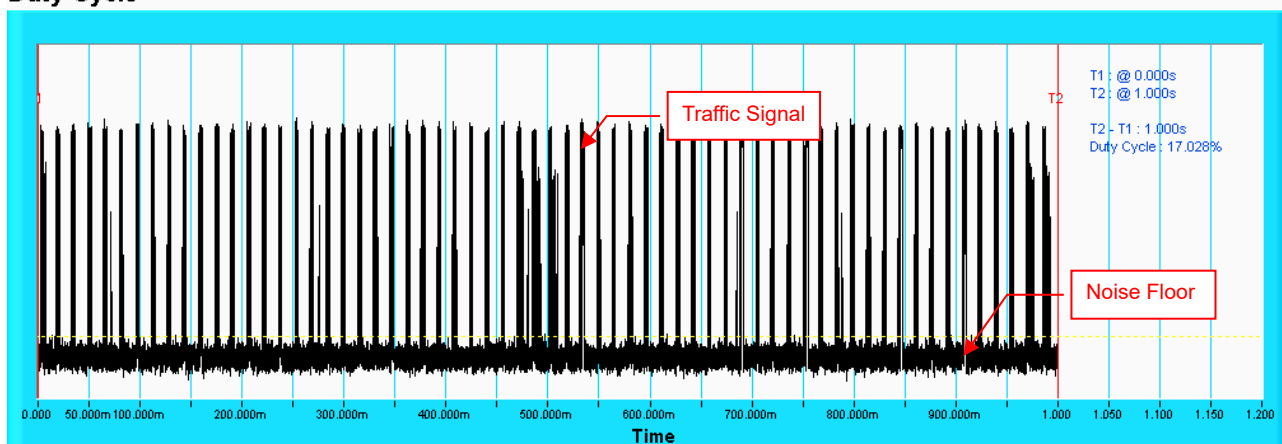
#### 802.11ax (HE20)

##### Duty Cycle



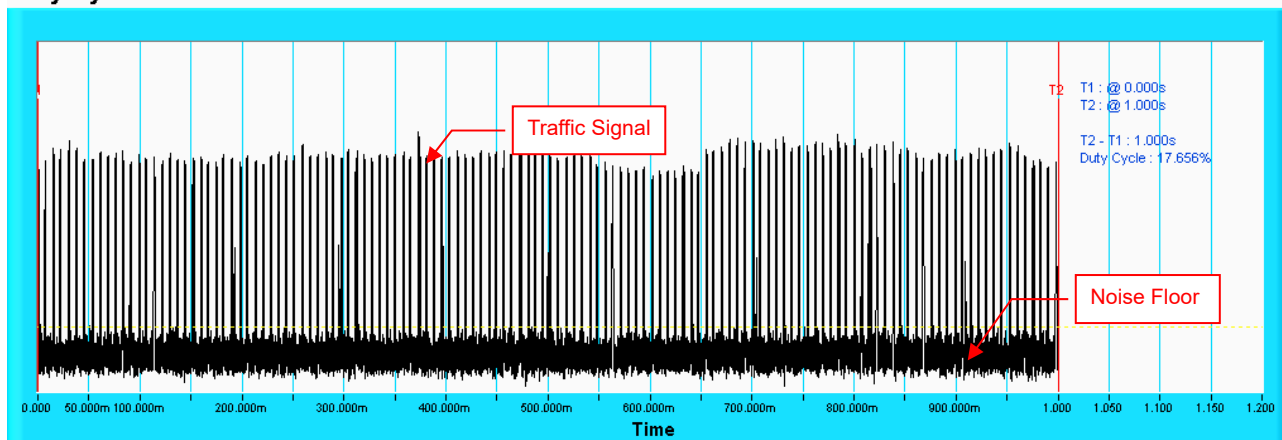
#### 802.11ax (HE40)

##### Duty Cycle



#### 802.11ax (HE80)

##### Duty Cycle



Note: Traffic signal: from master transmit to slave.

## IEEE 802.11ax (HE20)

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                       | 83.33                                  |
|                             |                    | 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                       | 73.33                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                          | 30                       | 93.33                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                          | 30                       | 96.67                                  |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                | 120                      | 86.67                                  |

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                                    |

### IEEE 802.11ax (HE40)

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 518-3066 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                       | 76.67                                  |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                             | 30                       | 70                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                                                   | 120                      | 83.34                                  |

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                                    |

# IEEE 802.11ax (HE80)

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 $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 76.67                                  |
|                             |                    | 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                       | 96.67                                  |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                         | 30                       | 100                                    |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                         | 30                       | 80                                     |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                               | 120                      | 88.34                                  |

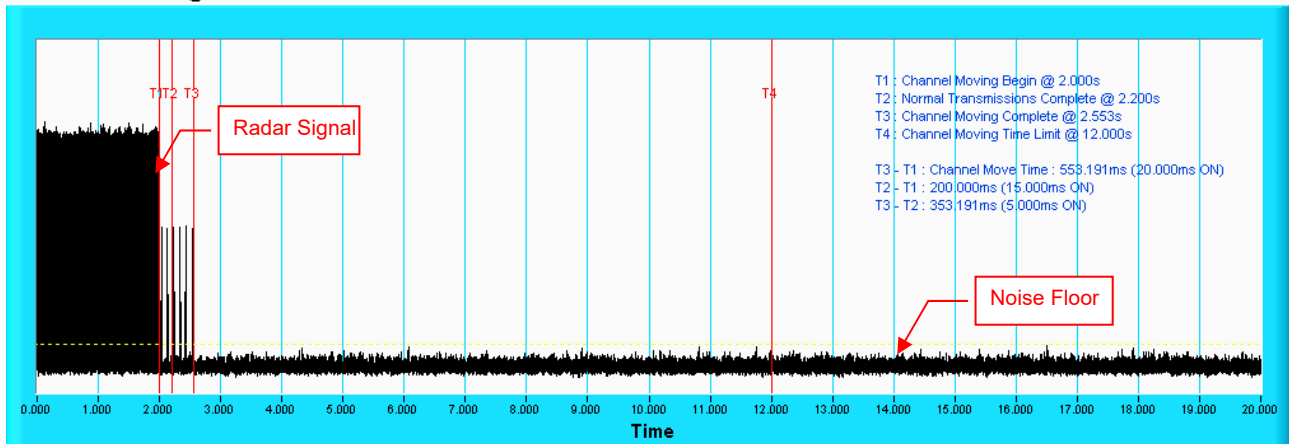
Table 2: Long Pulse Radar Test Waveform

| 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                      | 96.67                                  |

Table 3: Frequency Hopping Radar Test Waveform

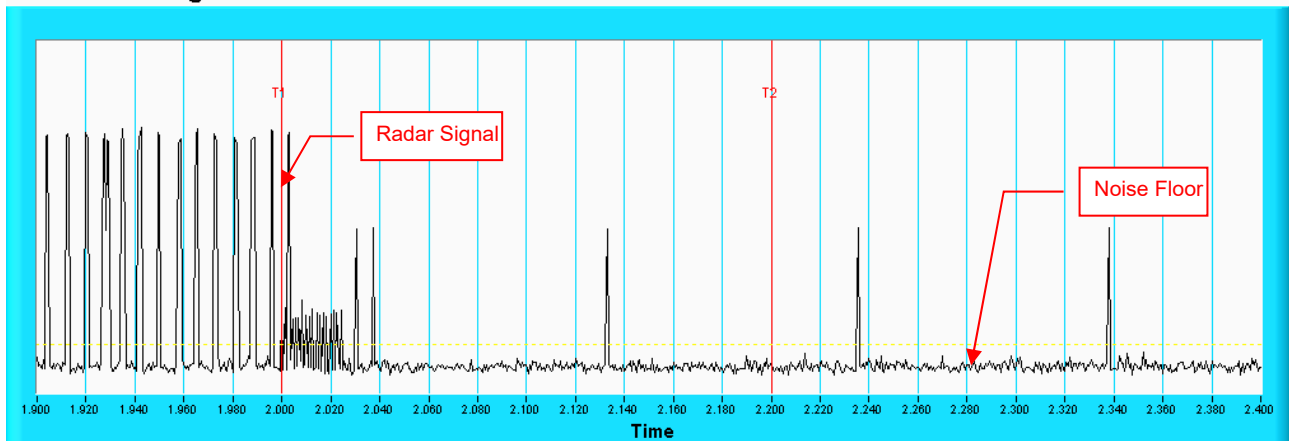
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|--------------------------------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

**Radar signal 0**  
**802.11ax (HE80)**  
**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.

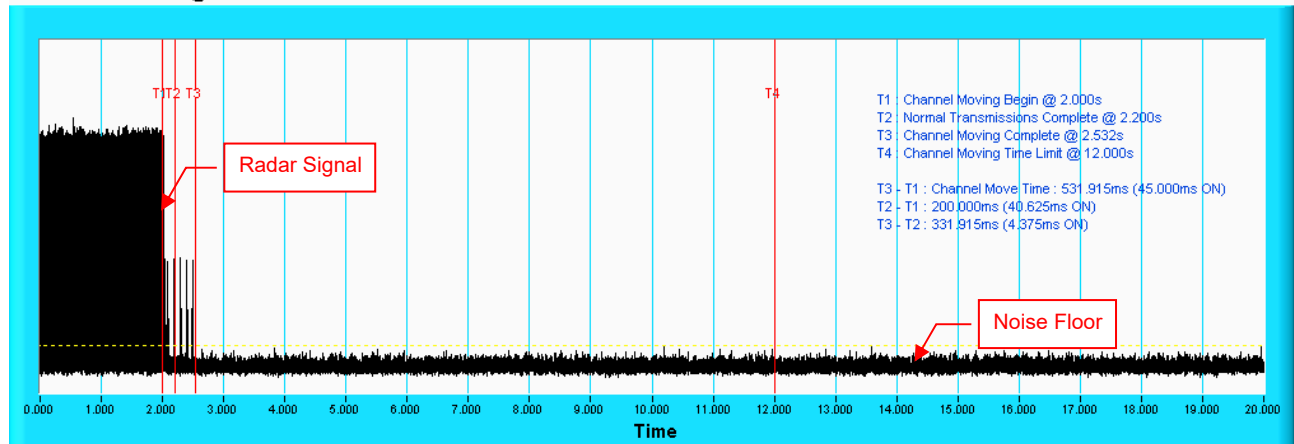
**Channel Closing Transmission Time & Channel Move Time**



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

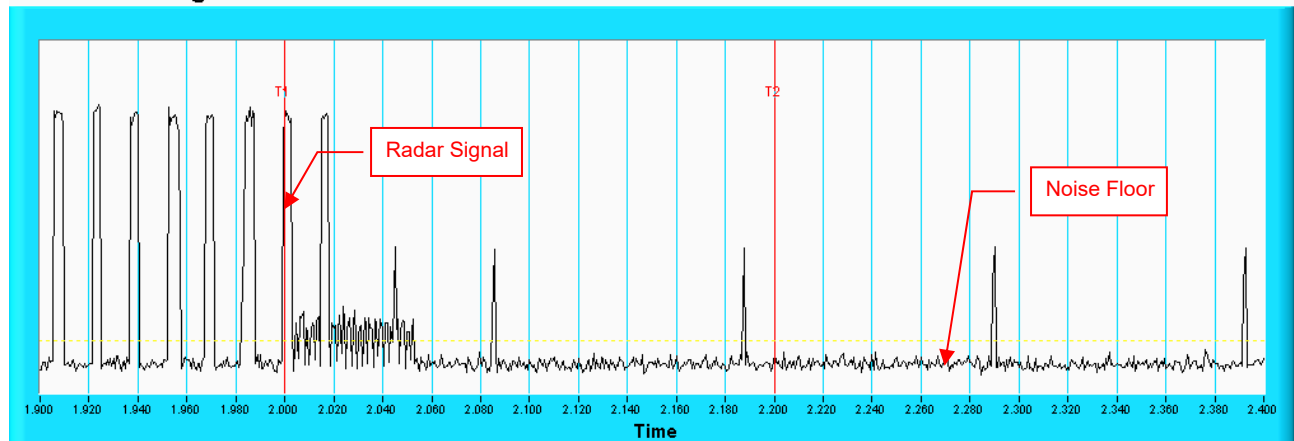
## Radar signal 1 802.11ax (HE80)

### Channel Closing Transmission Time & Channel Move Time



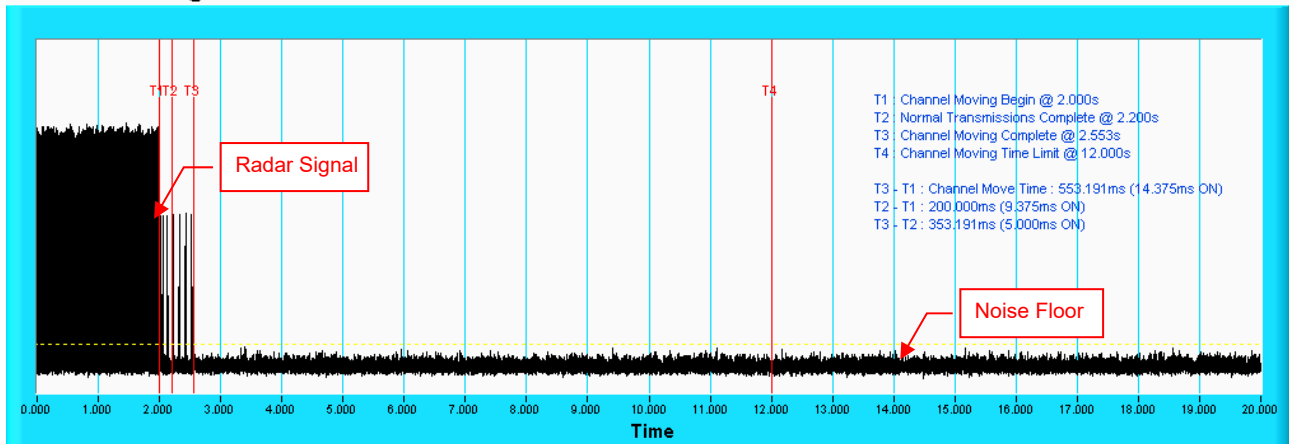
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time



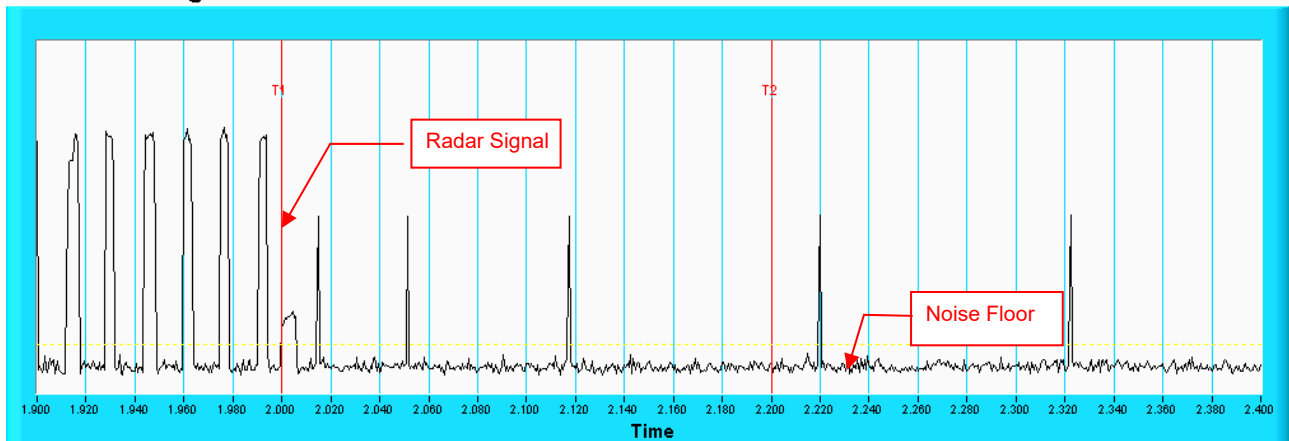
Note: Room-in of the first 500ms after radar signal applied.

## Radar signal 2 802.11ax (HE80) Channel Closing Transmission Time & Channel Move Time



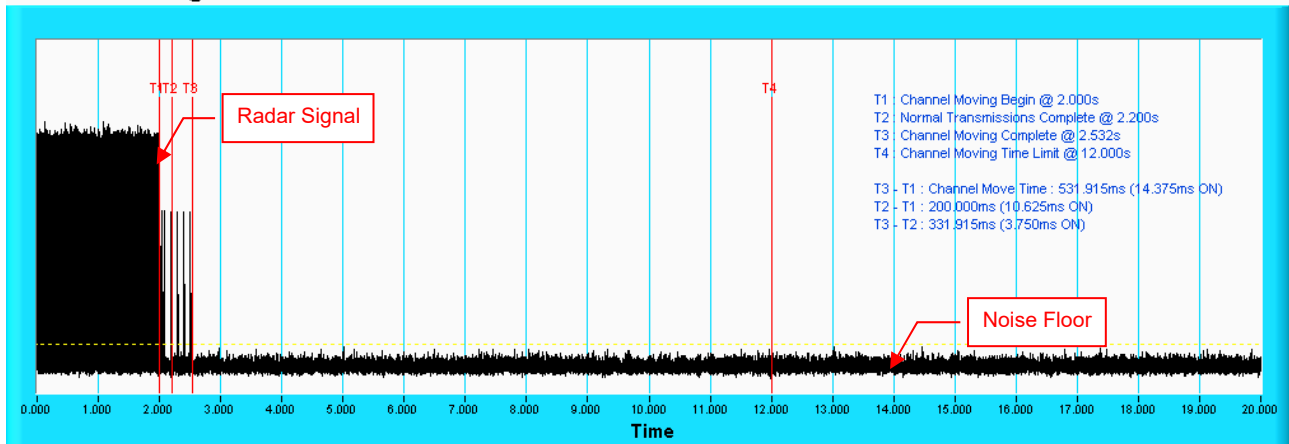
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## Channel Closing Transmission Time & Channel Move Time



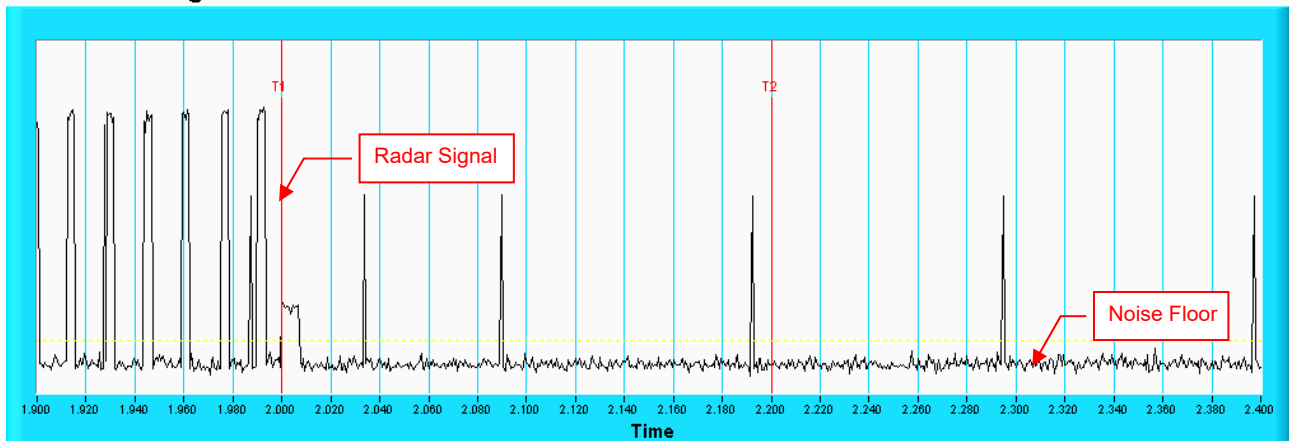
Note: Room-in of the first 500ms after radar signal applied.

### Radar signal 3 802.11ax (HE80) 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.

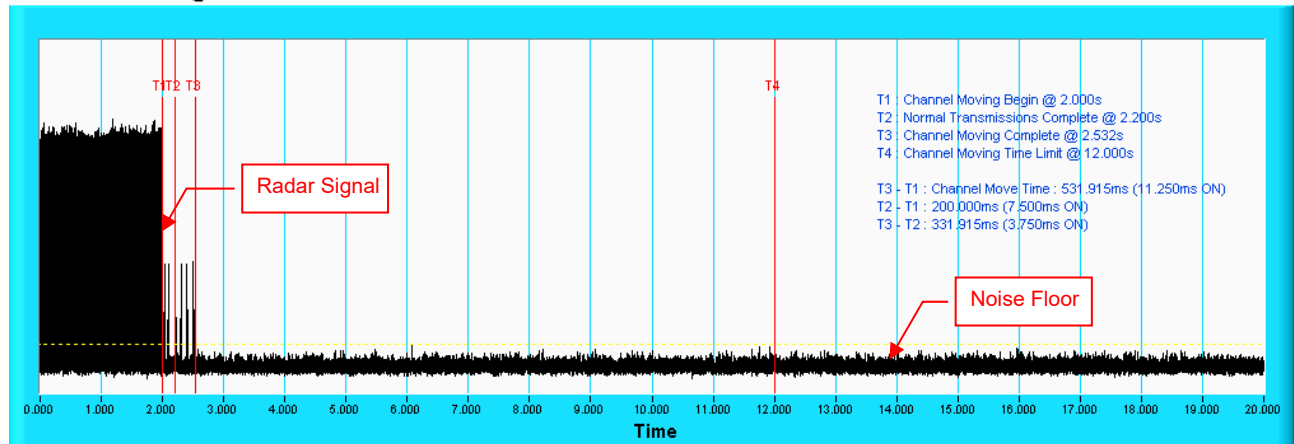
### Channel Closing Transmission Time & Channel Move Time



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

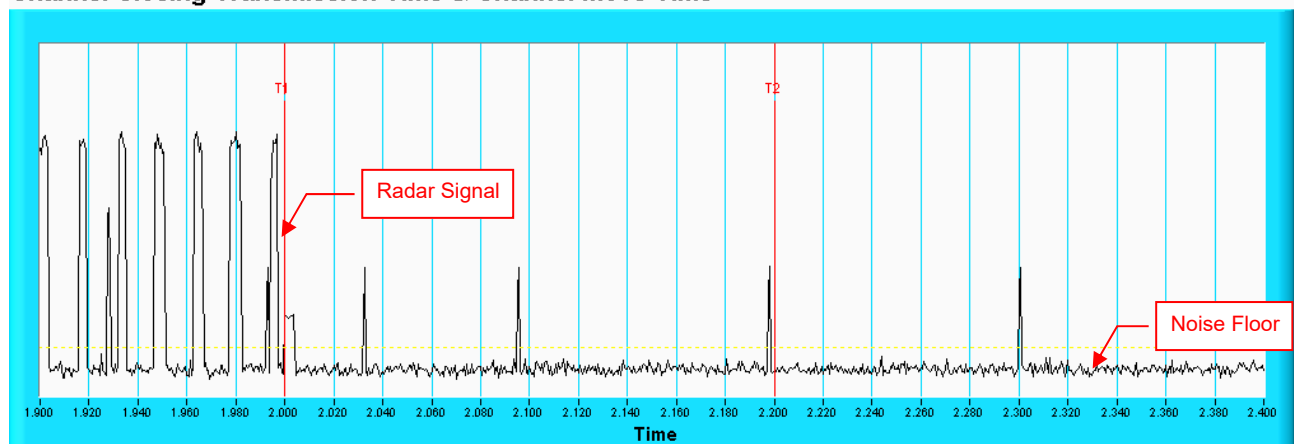


# **Radar signal 4** **802.11ax (HE80)** **Channel Closing Transmission Time & Channel Move Time**



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.

802.11ax (HE20)

| Type 1 Radar Statistical Performances |                      |                                             |                                                |                  |                                          |           |
|---------------------------------------|----------------------|---------------------------------------------|------------------------------------------------|------------------|------------------------------------------|-----------|
| Trial #                               | Test Frequency (MHz) | Pulse Repetition Frequency Number (1 to 23) | Pulse Repetition Frequency (Pulse per seconds) | Pulses per Burst | Pulse Repetition Interval (microseconds) | Detection |
| 1                                     | 5498                 | 15                                          | 1253                                           | 67               | 798                                      | Yes       |
| 2                                     | 5493                 | 16                                          | 1223                                           | 65               | 818                                      | Yes       |
| 3                                     | 5504                 | 4                                           | 1730                                           | 92               | 578                                      | Yes       |
| 4                                     | 5496                 | 11                                          | 1393                                           | 74               | 718                                      | Yes       |
| 5                                     | 5509                 | 22                                          | 1066                                           | 57               | 938                                      | Yes       |
| 6                                     | 5506                 | 7                                           | 1567                                           | 83               | 638                                      | No        |
| 7                                     | 5503                 | 2                                           | 1859                                           | 99               | 538                                      | Yes       |
| 8                                     | 5497                 | 8                                           | 1520                                           | 81               | 658                                      | Yes       |
| 9                                     | 5502                 | 1                                           | 1931                                           | 102              | 518                                      | Yes       |
| 10                                    | 5499                 | 19                                          | 1139                                           | 61               | 878                                      | Yes       |
| 11                                    | 5500                 | 21                                          | 1089                                           | 58               | 918                                      | Yes       |
| 12                                    | 5492                 | 23                                          | 326.2                                          | 18               | 3066                                     | No        |
| 13                                    | 5501                 | 9                                           | 1475                                           | 78               | 678                                      | Yes       |
| 14                                    | 5505                 | 5                                           | 1672                                           | 89               | 598                                      | Yes       |
| 15                                    | 5494                 | 6                                           | 1618                                           | 86               | 618                                      | Yes       |
| 16                                    | 5508                 |                                             | 1111                                           | 59               | 900                                      | Yes       |
| 17                                    | 5490                 |                                             | 1024                                           | 55               | 977                                      | Yes       |
| 18                                    | 5507                 |                                             | 625.8                                          | 34               | 1598                                     | Yes       |
| 19                                    | 5510                 |                                             | 730.5                                          | 39               | 1369                                     | No        |
| 20                                    | 5491                 |                                             | 1181                                           | 63               | 847                                      | Yes       |
| 21                                    | 5495                 |                                             | 400.6                                          | 22               | 2496                                     | Yes       |
| 22                                    | 5494                 |                                             | 529.4                                          | 28               | 1889                                     | Yes       |
| 23                                    | 5499                 |                                             | 347.6                                          | 19               | 2877                                     | No        |
| 24                                    | 5505                 |                                             | 641.4                                          | 34               | 1559                                     | Yes       |
| 25                                    | 5492                 |                                             | 508.9                                          | 27               | 1965                                     | No        |
| 26                                    | 5490                 |                                             | 345.4                                          | 19               | 2895                                     | Yes       |
| 27                                    | 5493                 |                                             | 580.7                                          | 31               | 1722                                     | Yes       |
| 28                                    | 5510                 |                                             | 786.8                                          | 42               | 1271                                     | Yes       |
| 29                                    | 5509                 |                                             | 808.4                                          | 43               | 1237                                     | Yes       |
| 30                                    | 5498                 |                                             | 517.1                                          | 28               | 1934                                     | Yes       |
| Detection Rate: 83.33%                |                      |                                             |                                                |                  |                                          |           |

### Type 2 Radar Statistical Performances

| Trial #                | Test Frequency (MHz) | Pulses per Burst | Pulse Width (us) | PRI(us) | Detection |
|------------------------|----------------------|------------------|------------------|---------|-----------|
| 1                      | 5504                 | 24               | 1.7              | 174     | Yes       |
| 2                      | 5491                 | 27               | 3.8              | 176     | Yes       |
| 3                      | 5492                 | 28               | 4                | 161     | Yes       |
| 4                      | 5496                 | 28               | 4.3              | 226     | No        |
| 5                      | 5510                 | 24               | 1.9              | 193     | No        |
| 6                      | 5506                 | 23               | 1.1              | 230     | No        |
| 7                      | 5505                 | 29               | 4.5              | 198     | Yes       |
| 8                      | 5494                 | 26               | 2.9              | 227     | Yes       |
| 9                      | 5497                 | 26               | 2.8              | 171     | Yes       |
| 10                     | 5490                 | 27               | 3.6              | 221     | Yes       |
| 11                     | 5500                 | 23               | 1.1              | 180     | Yes       |
| 12                     | 5498                 | 23               | 1.3              | 189     | Yes       |
| 13                     | 5502                 | 25               | 2.5              | 204     | Yes       |
| 14                     | 5507                 | 29               | 4.5              | 203     | No        |
| 15                     | 5501                 | 29               | 5                | 170     | Yes       |
| 16                     | 5509                 | 26               | 3.1              | 201     | Yes       |
| 17                     | 5499                 | 24               | 2.1              | 218     | Yes       |
| 18                     | 5495                 | 25               | 2.6              | 208     | Yes       |
| 19                     | 5508                 | 24               | 1.8              | 223     | Yes       |
| 20                     | 5503                 | 23               | 1.2              | 220     | Yes       |
| 21                     | 5493                 | 26               | 2.9              | 224     | No        |
| 22                     | 5504                 | 28               | 4                | 160     | Yes       |
| 23                     | 5508                 | 25               | 2.5              | 209     | Yes       |
| 24                     | 5490                 | 23               | 1                | 205     | No        |
| 25                     | 5509                 | 27               | 3.7              | 151     | No        |
| 26                     | 5491                 | 25               | 2.5              | 186     | No        |
| 27                     | 5500                 | 23               | 1.5              | 190     | Yes       |
| 28                     | 5505                 | 23               | 1.3              | 185     | Yes       |
| 29                     | 5493                 | 23               | 1.2              | 175     | Yes       |
| 30                     | 5494                 | 24               | 1.7              | 216     | Yes       |
| Detection Rate: 73.33% |                      |                  |                  |         |           |

## Type 3 Radar Statistical Performances

| Trial #                | Test Frequency (MHz) | Pulses per Burst | Pulse Width (us) | PRI(us) | Detection |
|------------------------|----------------------|------------------|------------------|---------|-----------|
| 1                      | 5509                 | 16               | 6.7              | 467     | Yes       |
| 2                      | 5496                 | 18               | 8.8              | 304     | Yes       |
| 3                      | 5501                 | 18               | 9                | 316     | Yes       |
| 4                      | 5506                 | 18               | 9.3              | 439     | Yes       |
| 5                      | 5500                 | 16               | 6.9              | 420     | Yes       |
| 6                      | 5497                 | 16               | 6.1              | 249     | Yes       |
| 7                      | 5503                 | 18               | 9.5              | 463     | Yes       |
| 8                      | 5510                 | 17               | 7.9              | 258     | Yes       |
| 9                      | 5498                 | 17               | 7.8              | 212     | Yes       |
| 10                     | 5502                 | 17               | 8.6              | 236     | No        |
| 11                     | 5505                 | 16               | 6.1              | 474     | Yes       |
| 12                     | 5508                 | 16               | 6.3              | 461     | Yes       |
| 13                     | 5499                 | 17               | 7.5              | 437     | Yes       |
| 14                     | 5490                 | 18               | 9.5              | 287     | Yes       |
| 15                     | 5494                 | 18               | 10               | 395     | Yes       |
| 16                     | 5491                 | 17               | 8.1              | 322     | Yes       |
| 17                     | 5507                 | 16               | 7.1              | 468     | Yes       |
| 18                     | 5492                 | 17               | 7.6              | 255     | Yes       |
| 19                     | 5493                 | 16               | 6.8              | 423     | Yes       |
| 20                     | 5495                 | 16               | 6.2              | 456     | Yes       |
| 21                     | 5504                 | 17               | 7.9              | 351     | Yes       |
| 22                     | 5494                 | 18               | 9                | 411     | Yes       |
| 23                     | 5491                 | 17               | 7.5              | 279     | Yes       |
| 24                     | 5497                 | 16               | 6                | 431     | Yes       |
| 25                     | 5509                 | 17               | 8.7              | 324     | Yes       |
| 26                     | 5495                 | 17               | 7.5              | 419     | Yes       |
| 27                     | 5501                 | 16               | 6.5              | 447     | Yes       |
| 28                     | 5506                 | 16               | 6.3              | 481     | No        |
| 29                     | 5490                 | 16               | 6.2              | 438     | Yes       |
| 30                     | 5507                 | 16               | 6.7              | 270     | Yes       |
| Detection Rate: 93.33% |                      |                  |                  |         |           |

## Type 4 Radar Statistical Performances

| Trial #                | Test Frequency (MHz) | Pulses per Burst | Pulse Width(us) | PRI(us) | Detection |
|------------------------|----------------------|------------------|-----------------|---------|-----------|
| 1                      | 5495                 | 12               | 12.5            | 467     | Yes       |
| 2                      | 5491                 | 15               | 17.2            | 304     | Yes       |
| 3                      | 5497                 | 15               | 17.8            | 316     | Yes       |
| 4                      | 5493                 | 16               | 18.5            | 439     | Yes       |
| 5                      | 5506                 | 13               | 13.1            | 420     | Yes       |
| 6                      | 5496                 | 12               | 11.3            | 249     | Yes       |
| 7                      | 5502                 | 16               | 18.8            | 463     | Yes       |
| 8                      | 5490                 | 14               | 15.3            | 258     | Yes       |
| 9                      | 5499                 | 14               | 15.1            | 212     | No        |
| 10                     | 5505                 | 15               | 16.9            | 236     | Yes       |
| 11                     | 5510                 | 12               | 11.2            | 474     | Yes       |
| 12                     | 5501                 | 12               | 11.7            | 461     | Yes       |
| 13                     | 5509                 | 13               | 14.4            | 437     | Yes       |
| 14                     | 5503                 | 16               | 18.9            | 287     | Yes       |
| 15                     | 5498                 | 16               | 19.9            | 395     | Yes       |
| 16                     | 5504                 | 14               | 15.7            | 322     | Yes       |
| 17                     | 5508                 | 13               | 13.4            | 468     | Yes       |
| 18                     | 5507                 | 13               | 14.5            | 255     | Yes       |
| 19                     | 5500                 | 13               | 12.9            | 423     | Yes       |
| 20                     | 5494                 | 12               | 11.5            | 456     | Yes       |
| 21                     | 5492                 | 14               | 15.3            | 351     | Yes       |
| 22                     | 5493                 | 15               | 17.8            | 411     | Yes       |
| 23                     | 5491                 | 13               | 14.3            | 279     | Yes       |
| 24                     | 5492                 | 12               | 11.1            | 431     | Yes       |
| 25                     | 5497                 | 15               | 17              | 324     | Yes       |
| 26                     | 5490                 | 13               | 14.5            | 419     | Yes       |
| 27                     | 5503                 | 12               | 12.1            | 447     | Yes       |
| 28                     | 5495                 | 12               | 11.7            | 481     | Yes       |
| 29                     | 5500                 | 12               | 11.6            | 438     | Yes       |
| 30                     | 5494                 | 12               | 12.7            | 270     | Yes       |
| Detection Rate: 96.67% |                      |                  |                 |         |           |

## Type 5 Radar Statistical Performances

| Trial #              | Minimum Chirp Width(MHz) | Chirp Center Frequency(MHz) | Test Signal Name | Detection |
|----------------------|--------------------------|-----------------------------|------------------|-----------|
| 1                    | 12                       | 5500                        | LP_Signal_01     | Yes       |
| 2                    | 17                       | 5500                        | LP_Signal_02     | Yes       |
| 3                    | 13                       | 5500                        | LP_Signal_03     | Yes       |
| 4                    | 6                        | 5500                        | LP_Signal_04     | Yes       |
| 5                    | 9                        | 5500                        | LP_Signal_05     | Yes       |
| 6                    | 19                       | 5500                        | LP_Signal_06     | Yes       |
| 7                    | 12                       | 5500                        | LP_Signal_07     | Yes       |
| 8                    | 9                        | 5500                        | LP_Signal_08     | Yes       |
| 9                    | 14                       | 5500                        | LP_Signal_09     | Yes       |
| 10                   | 18                       | 5500                        | LP_Signal_10     | Yes       |
| 11                   | 15                       | 5496.45                     | LP_Signal_11     | Yes       |
| 12                   | 18                       | 5497.65                     | LP_Signal_12     | Yes       |
| 13                   | 12                       | 5495.25                     | LP_Signal_13     | Yes       |
| 14                   | 9                        | 5494.05                     | LP_Signal_14     | Yes       |
| 15                   | 17                       | 5497.25                     | LP_Signal_15     | Yes       |
| 16                   | 11                       | 5494.85                     | LP_Signal_16     | Yes       |
| 17                   | 19                       | 5498.05                     | LP_Signal_17     | Yes       |
| 18                   | 9                        | 5494.05                     | LP_Signal_18     | Yes       |
| 19                   | 11                       | 5494.85                     | LP_Signal_19     | Yes       |
| 20                   | 9                        | 5494.05                     | LP_Signal_20     | Yes       |
| 21                   | 14                       | 5503.92                     | LP_Signal_21     | Yes       |
| 22                   | 8                        | 5506.32                     | LP_Signal_22     | Yes       |
| 23                   | 19                       | 5501.92                     | LP_Signal_23     | Yes       |
| 24                   | 11                       | 5505.12                     | LP_Signal_24     | Yes       |
| 25                   | 10                       | 5505.52                     | LP_Signal_25     | Yes       |
| 26                   | 4                        | 5507.92                     | LP_Signal_26     | Yes       |
| 27                   | 15                       | 5503.52                     | LP_Signal_27     | Yes       |
| 28                   | 18                       | 5502.32                     | LP_Signal_28     | Yes       |
| 29                   | 9                        | 5505.92                     | LP_Signal_29     | Yes       |
| 30                   | 16                       | 5503.12                     | LP_Signal_30     | Yes       |
| Detection Rate: 100% |                          |                             |                  |           |

### Type 6 Radar Statistical Performances

| Trial #              | Pulses per Burst | Pulse Width(us) | PRI(us) | Detection |
|----------------------|------------------|-----------------|---------|-----------|
| 1                    | 9                | 1               | 333.3   | Yes       |
| 2                    | 9                | 1               | 333.3   | Yes       |
| 3                    | 9                | 1               | 333.3   | Yes       |
| 4                    | 9                | 1               | 333.3   | Yes       |
| 5                    | 9                | 1               | 333.3   | Yes       |
| 6                    | 9                | 1               | 333.3   | Yes       |
| 7                    | 9                | 1               | 333.3   | Yes       |
| 8                    | 9                | 1               | 333.3   | Yes       |
| 9                    | 9                | 1               | 333.3   | Yes       |
| 10                   | 9                | 1               | 333.3   | Yes       |
| 11                   | 9                | 1               | 333.3   | Yes       |
| 12                   | 9                | 1               | 333.3   | Yes       |
| 13                   | 9                | 1               | 333.3   | Yes       |
| 14                   | 9                | 1               | 333.3   | Yes       |
| 15                   | 9                | 1               | 333.3   | Yes       |
| 16                   | 9                | 1               | 333.3   | Yes       |
| 17                   | 9                | 1               | 333.3   | Yes       |
| 18                   | 9                | 1               | 333.3   | Yes       |
| 19                   | 9                | 1               | 333.3   | Yes       |
| 20                   | 9                | 1               | 333.3   | Yes       |
| 21                   | 9                | 1               | 333.3   | Yes       |
| 22                   | 9                | 1               | 333.3   | Yes       |
| 23                   | 9                | 1               | 333.3   | Yes       |
| 24                   | 9                | 1               | 333.3   | Yes       |
| 25                   | 9                | 1               | 333.3   | Yes       |
| 26                   | 9                | 1               | 333.3   | Yes       |
| 27                   | 9                | 1               | 333.3   | Yes       |
| 28                   | 9                | 1               | 333.3   | Yes       |
| 29                   | 9                | 1               | 333.3   | Yes       |
| 30                   | 9                | 1               | 333.3   | 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% |                                 |           |



802.11ax (HE40)

| Type 1 Radar Statistical Performances |                      |                                             |                                                |                  |                                          |           |
|---------------------------------------|----------------------|---------------------------------------------|------------------------------------------------|------------------|------------------------------------------|-----------|
| Trial #                               | Test Frequency (MHz) | Pulse Repetition Frequency Number (1 to 23) | Pulse Repetition Frequency (Pulse per seconds) | Pulses per Burst | Pulse Repetition Interval (microseconds) | Detection |
| 1                                     | 5506                 | 15                                          | 1253                                           | 67               | 798                                      | Yes       |
| 2                                     | 5495                 | 16                                          | 1223                                           | 65               | 818                                      | Yes       |
| 3                                     | 5523                 | 4                                           | 1730                                           | 92               | 578                                      | Yes       |
| 4                                     | 5502                 | 11                                          | 1393                                           | 74               | 718                                      | Yes       |
| 5                                     | 5529                 | 22                                          | 1066                                           | 57               | 938                                      | Yes       |
| 6                                     | 5511                 | 7                                           | 1567                                           | 83               | 638                                      | Yes       |
| 7                                     | 5512                 | 2                                           | 1859                                           | 99               | 538                                      | Yes       |
| 8                                     | 5505                 | 8                                           | 1520                                           | 81               | 658                                      | Yes       |
| 9                                     | 5501                 | 1                                           | 1931                                           | 102              | 518                                      | No        |
| 10                                    | 5499                 | 19                                          | 1139                                           | 61               | 878                                      | Yes       |
| 11                                    | 5503                 | 21                                          | 1089                                           | 58               | 918                                      | Yes       |
| 12                                    | 5498                 | 23                                          | 326.2                                          | 18               | 3066                                     | Yes       |
| 13                                    | 5494                 | 9                                           | 1475                                           | 78               | 678                                      | Yes       |
| 14                                    | 5530                 | 5                                           | 1672                                           | 89               | 598                                      | Yes       |
| 15                                    | 5504                 | 6                                           | 1618                                           | 86               | 618                                      | Yes       |
| 16                                    | 5517                 |                                             | 1111                                           | 59               | 900                                      | Yes       |
| 17                                    | 5500                 |                                             | 1024                                           | 55               | 977                                      | Yes       |
| 18                                    | 5491                 |                                             | 625.8                                          | 34               | 1598                                     | Yes       |
| 19                                    | 5509                 |                                             | 730.5                                          | 39               | 1369                                     | Yes       |
| 20                                    | 5508                 |                                             | 1181                                           | 63               | 847                                      | Yes       |
| 21                                    | 5510                 |                                             | 400.6                                          | 22               | 2496                                     | Yes       |
| 22                                    | 5496                 |                                             | 529.4                                          | 28               | 1889                                     | Yes       |
| 23                                    | 5522                 |                                             | 347.6                                          | 19               | 2877                                     | Yes       |
| 24                                    | 5519                 |                                             | 641.4                                          | 34               | 1559                                     | Yes       |
| 25                                    | 5492                 |                                             | 508.9                                          | 27               | 1965                                     | Yes       |
| 26                                    | 5524                 |                                             | 345.4                                          | 19               | 2895                                     | Yes       |
| 27                                    | 5528                 |                                             | 580.7                                          | 31               | 1722                                     | Yes       |
| 28                                    | 5514                 |                                             | 786.8                                          | 42               | 1271                                     | Yes       |
| 29                                    | 5490                 |                                             | 808.4                                          | 43               | 1237                                     | Yes       |
| 30                                    | 5525                 |                                             | 517.1                                          | 28               | 1934                                     | Yes       |
| Detection Rate: 96.67%                |                      |                                             |                                                |                  |                                          |           |

### Type 2 Radar Statistical Performances

| Trial #             | Test Frequency (MHz) | Pulses per Burst | Pulse Width (us) | PRI(us) | Detection |
|---------------------|----------------------|------------------|------------------|---------|-----------|
| 1                   | 5493                 | 24               | 1.7              | 174     | Yes       |
| 2                   | 5513                 | 27               | 3.8              | 176     | Yes       |
| 3                   | 5490                 | 28               | 4                | 161     | Yes       |
| 4                   | 5494                 | 28               | 4.3              | 226     | Yes       |
| 5                   | 5507                 | 24               | 1.9              | 193     | No        |
| 6                   | 5523                 | 23               | 1.1              | 230     | Yes       |
| 7                   | 5516                 | 29               | 4.5              | 198     | Yes       |
| 8                   | 5497                 | 26               | 2.9              | 227     | Yes       |
| 9                   | 5502                 | 26               | 2.8              | 171     | Yes       |
| 10                  | 5503                 | 27               | 3.6              | 221     | Yes       |
| 11                  | 5498                 | 23               | 1.1              | 180     | Yes       |
| 12                  | 5529                 | 23               | 1.3              | 189     | No        |
| 13                  | 5496                 | 25               | 2.5              | 204     | Yes       |
| 14                  | 5504                 | 29               | 4.5              | 203     | Yes       |
| 15                  | 5491                 | 29               | 5                | 170     | Yes       |
| 16                  | 5505                 | 26               | 3.1              | 201     | Yes       |
| 17                  | 5519                 | 24               | 2.1              | 218     | Yes       |
| 18                  | 5495                 | 25               | 2.6              | 208     | No        |
| 19                  | 5527                 | 24               | 1.8              | 223     | Yes       |
| 20                  | 5509                 | 23               | 1.2              | 220     | Yes       |
| 21                  | 5525                 | 26               | 2.9              | 224     | Yes       |
| 22                  | 5499                 | 28               | 4                | 160     | Yes       |
| 23                  | 5506                 | 25               | 2.5              | 209     | Yes       |
| 24                  | 5517                 | 23               | 1                | 205     | Yes       |
| 25                  | 5528                 | 27               | 3.7              | 151     | Yes       |
| 26                  | 5530                 | 25               | 2.5              | 186     | Yes       |
| 27                  | 5500                 | 23               | 1.5              | 190     | Yes       |
| 28                  | 5514                 | 23               | 1.3              | 185     | Yes       |
| 29                  | 5518                 | 23               | 1.2              | 175     | Yes       |
| 30                  | 5526                 | 24               | 1.7              | 216     | Yes       |
| Detection Rate: 90% |                      |                  |                  |         |           |

### Type 3 Radar Statistical Performances

| Trial #                | Test Frequency (MHz) | Pulses per Burst | Pulse Width (us) | PRI(us) | Detection |
|------------------------|----------------------|------------------|------------------|---------|-----------|
| 1                      | 5507                 | 16               | 6.7              | 467     | Yes       |
| 2                      | 5528                 | 18               | 8.8              | 304     | No        |
| 3                      | 5509                 | 18               | 9                | 316     | Yes       |
| 4                      | 5518                 | 18               | 9.3              | 439     | Yes       |
| 5                      | 5515                 | 16               | 6.9              | 420     | Yes       |
| 6                      | 5503                 | 16               | 6.1              | 249     | Yes       |
| 7                      | 5496                 | 18               | 9.5              | 463     | Yes       |
| 8                      | 5500                 | 17               | 7.9              | 258     | Yes       |
| 9                      | 5493                 | 17               | 7.8              | 212     | Yes       |
| 10                     | 5498                 | 17               | 8.6              | 236     | Yes       |
| 11                     | 5530                 | 16               | 6.1              | 474     | No        |
| 12                     | 5499                 | 16               | 6.3              | 461     | Yes       |
| 13                     | 5502                 | 17               | 7.5              | 437     | No        |
| 14                     | 5522                 | 18               | 9.5              | 287     | Yes       |
| 15                     | 5494                 | 18               | 10               | 395     | Yes       |
| 16                     | 5513                 | 17               | 8.1              | 322     | No        |
| 17                     | 5506                 | 16               | 7.1              | 468     | Yes       |
| 18                     | 5505                 | 17               | 7.6              | 255     | Yes       |
| 19                     | 5512                 | 16               | 6.8              | 423     | Yes       |
| 20                     | 5526                 | 16               | 6.2              | 456     | No        |
| 21                     | 5497                 | 17               | 7.9              | 351     | Yes       |
| 22                     | 5510                 | 18               | 9                | 411     | Yes       |
| 23                     | 5501                 | 17               | 7.5              | 279     | Yes       |
| 24                     | 5511                 | 16               | 6                | 431     | Yes       |
| 25                     | 5517                 | 17               | 8.7              | 324     | Yes       |
| 26                     | 5527                 | 17               | 7.5              | 419     | No        |
| 27                     | 5516                 | 16               | 6.5              | 447     | Yes       |
| 28                     | 5521                 | 16               | 6.3              | 481     | Yes       |
| 29                     | 5490                 | 16               | 6.2              | 438     | No        |
| 30                     | 5492                 | 16               | 6.7              | 270     | Yes       |
| Detection Rate: 76.67% |                      |                  |                  |         |           |

### Type 4 Radar Statistical Performances

| Trial #             | Test Frequency (MHz) | Pulses per Burst | Pulse Width(us) | PRI(us) | Detection |
|---------------------|----------------------|------------------|-----------------|---------|-----------|
| 1                   | 5506                 | 12               | 12.5            | 467     | Yes       |
| 2                   | 5529                 | 15               | 17.2            | 304     | Yes       |
| 3                   | 5494                 | 15               | 17.8            | 316     | Yes       |
| 4                   | 5505                 | 16               | 18.5            | 439     | Yes       |
| 5                   | 5523                 | 13               | 13.1            | 420     | Yes       |
| 6                   | 5528                 | 12               | 11.3            | 249     | Yes       |
| 7                   | 5525                 | 16               | 18.8            | 463     | Yes       |
| 8                   | 5513                 | 14               | 15.3            | 258     | Yes       |
| 9                   | 5530                 | 14               | 15.1            | 212     | No        |
| 10                  | 5499                 | 15               | 16.9            | 236     | Yes       |
| 11                  | 5500                 | 12               | 11.2            | 474     | Yes       |
| 12                  | 5496                 | 12               | 11.7            | 461     | Yes       |
| 13                  | 5526                 | 13               | 14.4            | 437     | Yes       |
| 14                  | 5517                 | 16               | 18.9            | 287     | Yes       |
| 15                  | 5491                 | 16               | 19.9            | 395     | No        |
| 16                  | 5501                 | 14               | 15.7            | 322     | No        |
| 17                  | 5518                 | 13               | 13.4            | 468     | Yes       |
| 18                  | 5507                 | 13               | 14.5            | 255     | Yes       |
| 19                  | 5514                 | 13               | 12.9            | 423     | Yes       |
| 20                  | 5510                 | 12               | 11.5            | 456     | Yes       |
| 21                  | 5497                 | 14               | 15.3            | 351     | Yes       |
| 22                  | 5509                 | 15               | 17.8            | 411     | Yes       |
| 23                  | 5508                 | 13               | 14.3            | 279     | Yes       |
| 24                  | 5492                 | 12               | 11.1            | 431     | Yes       |
| 25                  | 5493                 | 15               | 17              | 324     | No        |
| 26                  | 5515                 | 13               | 14.5            | 419     | No        |
| 27                  | 5522                 | 12               | 12.1            | 447     | No        |
| 28                  | 5512                 | 12               | 11.7            | 481     | No        |
| 29                  | 5490                 | 12               | 11.6            | 438     | No        |
| 30                  | 5516                 | 12               | 12.7            | 270     | No        |
| Detection Rate: 70% |                      |                  |                 |         |           |

### Type 5 Radar Statistical Performances

| Trial #              | Minimum Chirp Width(MHz) | Chirp Center Frequency(MHz) | Test Signal Name | Detection |
|----------------------|--------------------------|-----------------------------|------------------|-----------|
| 1                    | 14                       | 5510                        | LP_Signal_01     | Yes       |
| 2                    | 10                       | 5510                        | LP_Signal_02     | Yes       |
| 3                    | 20                       | 5510                        | LP_Signal_03     | Yes       |
| 4                    | 8                        | 5510                        | LP_Signal_04     | Yes       |
| 5                    | 13                       | 5510                        | LP_Signal_05     | Yes       |
| 6                    | 17                       | 5510                        | LP_Signal_06     | Yes       |
| 7                    | 13                       | 5510                        | LP_Signal_07     | Yes       |
| 8                    | 12                       | 5510                        | LP_Signal_08     | Yes       |
| 9                    | 10                       | 5510                        | LP_Signal_09     | Yes       |
| 10                   | 19                       | 5510                        | LP_Signal_10     | Yes       |
| 11                   | 16                       | 5497.28                     | LP_Signal_11     | Yes       |
| 12                   | 19                       | 5498.48                     | LP_Signal_12     | Yes       |
| 13                   | 13                       | 5496.08                     | LP_Signal_13     | Yes       |
| 14                   | 10                       | 5494.88                     | LP_Signal_14     | Yes       |
| 15                   | 18                       | 5498.08                     | LP_Signal_15     | Yes       |
| 16                   | 12                       | 5495.68                     | LP_Signal_16     | Yes       |
| 17                   | 20                       | 5498.88                     | LP_Signal_17     | Yes       |
| 18                   | 10                       | 5494.88                     | LP_Signal_18     | Yes       |
| 19                   | 12                       | 5495.68                     | LP_Signal_19     | Yes       |
| 20                   | 10                       | 5494.88                     | LP_Signal_20     | Yes       |
| 21                   | 15                       | 5523.14                     | LP_Signal_21     | Yes       |
| 22                   | 9                        | 5525.54                     | LP_Signal_22     | Yes       |
| 23                   | 20                       | 5521.14                     | LP_Signal_23     | Yes       |
| 24                   | 12                       | 5524.34                     | LP_Signal_24     | Yes       |
| 25                   | 11                       | 5524.74                     | LP_Signal_25     | Yes       |
| 26                   | 5                        | 5527.14                     | LP_Signal_26     | Yes       |
| 27                   | 16                       | 5522.74                     | LP_Signal_27     | Yes       |
| 28                   | 19                       | 5521.54                     | LP_Signal_28     | Yes       |
| 29                   | 10                       | 5525.14                     | LP_Signal_29     | Yes       |
| 30                   | 17                       | 5522.34                     | LP_Signal_30     | Yes       |
| Detection Rate: 100% |                          |                             |                  |           |

### Type 6 Radar Statistical Performances

| Trial #              | Pulses per Burst | Pulse Width(us) | PRI(us) | Detection |
|----------------------|------------------|-----------------|---------|-----------|
| 1                    | 9                | 1               | 333.3   | Yes       |
| 2                    | 9                | 1               | 333.3   | Yes       |
| 3                    | 9                | 1               | 333.3   | Yes       |
| 4                    | 9                | 1               | 333.3   | Yes       |
| 5                    | 9                | 1               | 333.3   | Yes       |
| 6                    | 9                | 1               | 333.3   | Yes       |
| 7                    | 9                | 1               | 333.3   | Yes       |
| 8                    | 9                | 1               | 333.3   | Yes       |
| 9                    | 9                | 1               | 333.3   | Yes       |
| 10                   | 9                | 1               | 333.3   | Yes       |
| 11                   | 9                | 1               | 333.3   | Yes       |
| 12                   | 9                | 1               | 333.3   | Yes       |
| 13                   | 9                | 1               | 333.3   | Yes       |
| 14                   | 9                | 1               | 333.3   | Yes       |
| 15                   | 9                | 1               | 333.3   | Yes       |
| 16                   | 9                | 1               | 333.3   | Yes       |
| 17                   | 9                | 1               | 333.3   | Yes       |
| 18                   | 9                | 1               | 333.3   | Yes       |
| 19                   | 9                | 1               | 333.3   | Yes       |
| 20                   | 9                | 1               | 333.3   | Yes       |
| 21                   | 9                | 1               | 333.3   | Yes       |
| 22                   | 9                | 1               | 333.3   | Yes       |
| 23                   | 9                | 1               | 333.3   | Yes       |
| 24                   | 9                | 1               | 333.3   | Yes       |
| 25                   | 9                | 1               | 333.3   | Yes       |
| 26                   | 9                | 1               | 333.3   | Yes       |
| 27                   | 9                | 1               | 333.3   | Yes       |
| 28                   | 9                | 1               | 333.3   | Yes       |
| 29                   | 9                | 1               | 333.3   | Yes       |
| 30                   | 9                | 1               | 333.3   | 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%                  |                                 |           |

802.11ax (HE80)

| Type 1 Radar Statistical Performances |                      |                                             |                                                |                  |                                          |           |
|---------------------------------------|----------------------|---------------------------------------------|------------------------------------------------|------------------|------------------------------------------|-----------|
| Trial #                               | Test Frequency (MHz) | Pulse Repetition Frequency Number (1 to 23) | Pulse Repetition Frequency (Pulse per seconds) | Pulses per Burst | Pulse Repetition Interval (microseconds) | Detection |
| 1                                     | 5490                 | 15                                          | 1253                                           | 67               | 798                                      | Yes       |
| 2                                     | 5523                 | 16                                          | 1223                                           | 65               | 818                                      | Yes       |
| 3                                     | 5522                 | 4                                           | 1730                                           | 92               | 578                                      | Yes       |
| 4                                     | 5493                 | 11                                          | 1393                                           | 74               | 718                                      | Yes       |
| 5                                     | 5549                 | 22                                          | 1066                                           | 57               | 938                                      | Yes       |
| 6                                     | 5537                 | 7                                           | 1567                                           | 83               | 638                                      | Yes       |
| 7                                     | 5531                 | 2                                           | 1859                                           | 99               | 538                                      | Yes       |
| 8                                     | 5561                 | 8                                           | 1520                                           | 81               | 658                                      | Yes       |
| 9                                     | 5557                 | 1                                           | 1931                                           | 102              | 518                                      | Yes       |
| 10                                    | 5527                 | 19                                          | 1139                                           | 61               | 878                                      | Yes       |
| 11                                    | 5512                 | 21                                          | 1089                                           | 58               | 918                                      | Yes       |
| 12                                    | 5505                 | 23                                          | 326.2                                          | 18               | 3066                                     | Yes       |
| 13                                    | 5504                 | 9                                           | 1475                                           | 78               | 678                                      | Yes       |
| 14                                    | 5536                 | 5                                           | 1672                                           | 89               | 598                                      | Yes       |
| 15                                    | 5545                 | 6                                           | 1618                                           | 86               | 618                                      | Yes       |
| 16                                    | 5540                 |                                             | 1111                                           | 59               | 900                                      | Yes       |
| 17                                    | 5514                 |                                             | 1024                                           | 55               | 977                                      | Yes       |
| 18                                    | 5496                 |                                             | 625.8                                          | 34               | 1598                                     | Yes       |
| 19                                    | 5555                 |                                             | 730.5                                          | 39               | 1369                                     | Yes       |
| 20                                    | 5502                 |                                             | 1181                                           | 63               | 847                                      | Yes       |
| 21                                    | 5518                 |                                             | 400.6                                          | 22               | 2496                                     | Yes       |
| 22                                    | 5497                 |                                             | 529.4                                          | 28               | 1889                                     | Yes       |
| 23                                    | 5513                 |                                             | 347.6                                          | 19               | 2877                                     | Yes       |
| 24                                    | 5543                 |                                             | 641.4                                          | 34               | 1559                                     | No        |
| 25                                    | 5542                 |                                             | 508.9                                          | 27               | 1965                                     | No        |
| 26                                    | 5515                 |                                             | 345.4                                          | 19               | 2895                                     | No        |
| 27                                    | 5560                 |                                             | 580.7                                          | 31               | 1722                                     | No        |
| 28                                    | 5521                 |                                             | 786.8                                          | 42               | 1271                                     | No        |
| 29                                    | 5564                 |                                             | 808.4                                          | 43               | 1237                                     | No        |
| 30                                    | 5519                 |                                             | 517.1                                          | 28               | 1934                                     | No        |
| Detection Rate: 76.67%                |                      |                                             |                                                |                  |                                          |           |



### Type 2 Radar Statistical Performances

| Trial #                | Test Frequency (MHz) | Pulses per Burst | Pulse Width (us) | PRI(us) | Detection |
|------------------------|----------------------|------------------|------------------|---------|-----------|
| 1                      | 5548                 | 24               | 1.7              | 174     | Yes       |
| 2                      | 5499                 | 27               | 3.8              | 176     | Yes       |
| 3                      | 5509                 | 28               | 4                | 161     | Yes       |
| 4                      | 5566                 | 28               | 4.3              | 226     | Yes       |
| 5                      | 5518                 | 24               | 1.9              | 193     | Yes       |
| 6                      | 5542                 | 23               | 1.1              | 230     | Yes       |
| 7                      | 5531                 | 29               | 4.5              | 198     | No        |
| 8                      | 5547                 | 26               | 2.9              | 227     | Yes       |
| 9                      | 5502                 | 26               | 2.8              | 171     | Yes       |
| 10                     | 5525                 | 27               | 3.6              | 221     | Yes       |
| 11                     | 5561                 | 23               | 1.1              | 180     | Yes       |
| 12                     | 5496                 | 23               | 1.3              | 189     | Yes       |
| 13                     | 5524                 | 25               | 2.5              | 204     | Yes       |
| 14                     | 5565                 | 29               | 4.5              | 203     | Yes       |
| 15                     | 5528                 | 29               | 5                | 170     | Yes       |
| 16                     | 5494                 | 26               | 3.1              | 201     | Yes       |
| 17                     | 5516                 | 24               | 2.1              | 218     | Yes       |
| 18                     | 5564                 | 25               | 2.6              | 208     | Yes       |
| 19                     | 5526                 | 24               | 1.8              | 223     | Yes       |
| 20                     | 5519                 | 23               | 1.2              | 220     | Yes       |
| 21                     | 5536                 | 26               | 2.9              | 224     | Yes       |
| 22                     | 5515                 | 28               | 4                | 160     | Yes       |
| 23                     | 5540                 | 25               | 2.5              | 209     | Yes       |
| 24                     | 5533                 | 23               | 1                | 205     | Yes       |
| 25                     | 5543                 | 27               | 3.7              | 151     | Yes       |
| 26                     | 5556                 | 25               | 2.5              | 186     | Yes       |
| 27                     | 5545                 | 23               | 1.5              | 190     | Yes       |
| 28                     | 5549                 | 23               | 1.3              | 185     | Yes       |
| 29                     | 5505                 | 23               | 1.2              | 175     | Yes       |
| 30                     | 5493                 | 24               | 1.7              | 216     | Yes       |
| Detection Rate: 96.67% |                      |                  |                  |         |           |

### Type 3 Radar Statistical Performances

| Trial #              | Test Frequency (MHz) | Pulses per Burst | Pulse Width (us) | PRI(us) | Detection |
|----------------------|----------------------|------------------|------------------|---------|-----------|
| 1                    | 5550                 | 16               | 6.7              | 467     | Yes       |
| 2                    | 5549                 | 18               | 8.8              | 304     | Yes       |
| 3                    | 5515                 | 18               | 9                | 316     | Yes       |
| 4                    | 5569                 | 18               | 9.3              | 439     | Yes       |
| 5                    | 5533                 | 16               | 6.9              | 420     | Yes       |
| 6                    | 5504                 | 16               | 6.1              | 249     | Yes       |
| 7                    | 5532                 | 18               | 9.5              | 463     | Yes       |
| 8                    | 5568                 | 17               | 7.9              | 258     | Yes       |
| 9                    | 5523                 | 17               | 7.8              | 212     | Yes       |
| 10                   | 5567                 | 17               | 8.6              | 236     | Yes       |
| 11                   | 5547                 | 16               | 6.1              | 474     | Yes       |
| 12                   | 5512                 | 16               | 6.3              | 461     | Yes       |
| 13                   | 5527                 | 17               | 7.5              | 437     | Yes       |
| 14                   | 5534                 | 18               | 9.5              | 287     | Yes       |
| 15                   | 5495                 | 18               | 10               | 395     | Yes       |
| 16                   | 5525                 | 17               | 8.1              | 322     | Yes       |
| 17                   | 5506                 | 16               | 7.1              | 468     | Yes       |
| 18                   | 5562                 | 17               | 7.6              | 255     | Yes       |
| 19                   | 5508                 | 16               | 6.8              | 423     | Yes       |
| 20                   | 5492                 | 16               | 6.2              | 456     | Yes       |
| 21                   | 5555                 | 17               | 7.9              | 351     | Yes       |
| 22                   | 5564                 | 18               | 9                | 411     | Yes       |
| 23                   | 5501                 | 17               | 7.5              | 279     | Yes       |
| 24                   | 5509                 | 16               | 6                | 431     | Yes       |
| 25                   | 5539                 | 17               | 8.7              | 324     | Yes       |
| 26                   | 5557                 | 17               | 7.5              | 419     | Yes       |
| 27                   | 5500                 | 16               | 6.5              | 447     | Yes       |
| 28                   | 5552                 | 16               | 6.3              | 481     | Yes       |
| 29                   | 5497                 | 16               | 6.2              | 438     | Yes       |
| 30                   | 5494                 | 16               | 6.7              | 270     | Yes       |
| Detection Rate: 100% |                      |                  |                  |         |           |

### Type 4 Radar Statistical Performances

| Trial #             | Test Frequency (MHz) | Pulses per Burst | Pulse Width(us) | PRI(us) | Detection |
|---------------------|----------------------|------------------|-----------------|---------|-----------|
| 1                   | 5545                 | 12               | 12.5            | 467     | No        |
| 2                   | 5491                 | 15               | 17.2            | 304     | Yes       |
| 3                   | 5529                 | 15               | 17.8            | 316     | Yes       |
| 4                   | 5547                 | 16               | 18.5            | 439     | Yes       |
| 5                   | 5531                 | 13               | 13.1            | 420     | Yes       |
| 6                   | 5490                 | 12               | 11.3            | 249     | Yes       |
| 7                   | 5553                 | 16               | 18.8            | 463     | Yes       |
| 8                   | 5527                 | 14               | 15.3            | 258     | No        |
| 9                   | 5550                 | 14               | 15.1            | 212     | Yes       |
| 10                  | 5503                 | 15               | 16.9            | 236     | No        |
| 11                  | 5556                 | 12               | 11.2            | 474     | Yes       |
| 12                  | 5516                 | 12               | 11.7            | 461     | Yes       |
| 13                  | 5548                 | 13               | 14.4            | 437     | Yes       |
| 14                  | 5567                 | 16               | 18.9            | 287     | Yes       |
| 15                  | 5570                 | 16               | 19.9            | 395     | Yes       |
| 16                  | 5505                 | 14               | 15.7            | 322     | Yes       |
| 17                  | 5526                 | 13               | 13.4            | 468     | Yes       |
| 18                  | 5563                 | 13               | 14.5            | 255     | Yes       |
| 19                  | 5538                 | 13               | 12.9            | 423     | Yes       |
| 20                  | 5495                 | 12               | 11.5            | 456     | Yes       |
| 21                  | 5535                 | 14               | 15.3            | 351     | Yes       |
| 22                  | 5496                 | 15               | 17.8            | 411     | Yes       |
| 23                  | 5499                 | 13               | 14.3            | 279     | Yes       |
| 24                  | 5536                 | 12               | 11.1            | 431     | Yes       |
| 25                  | 5504                 | 15               | 17              | 324     | No        |
| 26                  | 5518                 | 13               | 14.5            | 419     | Yes       |
| 27                  | 5552                 | 12               | 12.1            | 447     | Yes       |
| 28                  | 5517                 | 12               | 11.7            | 481     | Yes       |
| 29                  | 5565                 | 12               | 11.6            | 438     | No        |
| 30                  | 5519                 | 12               | 12.7            | 270     | No        |
| Detection Rate: 80% |                      |                  |                 |         |           |

## Type 5 Radar Statistical Performances

| Trial #                | Minimum Chirp Width(MHz) | Chirp Center Frequency(MHz) | Test Signal Name | Detection |
|------------------------|--------------------------|-----------------------------|------------------|-----------|
| 1                      | 8                        | 5530                        | LP_Signal_01     | Yes       |
| 2                      | 14                       | 5530                        | LP_Signal_02     | Yes       |
| 3                      | 5                        | 5530                        | LP_Signal_03     | Yes       |
| 4                      | 16                       | 5530                        | LP_Signal_04     | Yes       |
| 5                      | 17                       | 5530                        | LP_Signal_05     | Yes       |
| 6                      | 14                       | 5530                        | LP_Signal_06     | Yes       |
| 7                      | 14                       | 5530                        | LP_Signal_07     | Yes       |
| 8                      | 17                       | 5530                        | LP_Signal_08     | Yes       |
| 9                      | 8                        | 5530                        | LP_Signal_09     | Yes       |
| 10                     | 11                       | 5530                        | LP_Signal_10     | Yes       |
| 11                     | 19                       | 5498.85                     | LP_Signal_11     | Yes       |
| 12                     | 12                       | 5496.05                     | LP_Signal_12     | No        |
| 13                     | 18                       | 5498.45                     | LP_Signal_13     | Yes       |
| 14                     | 7                        | 5494.05                     | LP_Signal_14     | Yes       |
| 15                     | 9                        | 5494.85                     | LP_Signal_15     | Yes       |
| 16                     | 15                       | 5497.25                     | LP_Signal_16     | Yes       |
| 17                     | 15                       | 5497.25                     | LP_Signal_17     | Yes       |
| 18                     | 14                       | 5496.85                     | LP_Signal_18     | Yes       |
| 19                     | 19                       | 5498.85                     | LP_Signal_19     | Yes       |
| 20                     | 17                       | 5498.05                     | LP_Signal_20     | Yes       |
| 21                     | 5                        | 5566.59                     | LP_Signal_21     | Yes       |
| 22                     | 5                        | 5566.59                     | LP_Signal_22     | Yes       |
| 23                     | 13                       | 5563.39                     | LP_Signal_23     | Yes       |
| 24                     | 7                        | 5565.79                     | LP_Signal_24     | Yes       |
| 25                     | 14                       | 5562.99                     | LP_Signal_25     | Yes       |
| 26                     | 10                       | 5564.59                     | LP_Signal_26     | Yes       |
| 27                     | 15                       | 5562.59                     | LP_Signal_27     | Yes       |
| 28                     | 9                        | 5564.99                     | LP_Signal_28     | Yes       |
| 29                     | 5                        | 5566.59                     | LP_Signal_29     | Yes       |
| 30                     | 10                       | 5564.59                     | LP_Signal_30     | Yes       |
| Detection Rate: 96.67% |                          |                             |                  |           |

### Type 6 Radar Statistical Performances

| Trial #              | Pulses per Burst | Pulse Width(us) | PRI(us) | Detection |
|----------------------|------------------|-----------------|---------|-----------|
| 1                    | 9                | 1               | 333.3   | Yes       |
| 2                    | 9                | 1               | 333.3   | Yes       |
| 3                    | 9                | 1               | 333.3   | Yes       |
| 4                    | 9                | 1               | 333.3   | Yes       |
| 5                    | 9                | 1               | 333.3   | Yes       |
| 6                    | 9                | 1               | 333.3   | Yes       |
| 7                    | 9                | 1               | 333.3   | Yes       |
| 8                    | 9                | 1               | 333.3   | Yes       |
| 9                    | 9                | 1               | 333.3   | Yes       |
| 10                   | 9                | 1               | 333.3   | Yes       |
| 11                   | 9                | 1               | 333.3   | Yes       |
| 12                   | 9                | 1               | 333.3   | Yes       |
| 13                   | 9                | 1               | 333.3   | Yes       |
| 14                   | 9                | 1               | 333.3   | Yes       |
| 15                   | 9                | 1               | 333.3   | Yes       |
| 16                   | 9                | 1               | 333.3   | Yes       |
| 17                   | 9                | 1               | 333.3   | Yes       |
| 18                   | 9                | 1               | 333.3   | Yes       |
| 19                   | 9                | 1               | 333.3   | Yes       |
| 20                   | 9                | 1               | 333.3   | Yes       |
| 21                   | 9                | 1               | 333.3   | Yes       |
| 22                   | 9                | 1               | 333.3   | Yes       |
| 23                   | 9                | 1               | 333.3   | Yes       |
| 24                   | 9                | 1               | 333.3   | Yes       |
| 25                   | 9                | 1               | 333.3   | Yes       |
| 26                   | 9                | 1               | 333.3   | Yes       |
| 27                   | 9                | 1               | 333.3   | Yes       |
| 28                   | 9                | 1               | 333.3   | Yes       |
| 29                   | 9                | 1               | 333.3   | Yes       |
| 30                   | 9                | 1               | 333.3   | Yes       |
| Detection Rate: 100% |                  |                 |         |           |

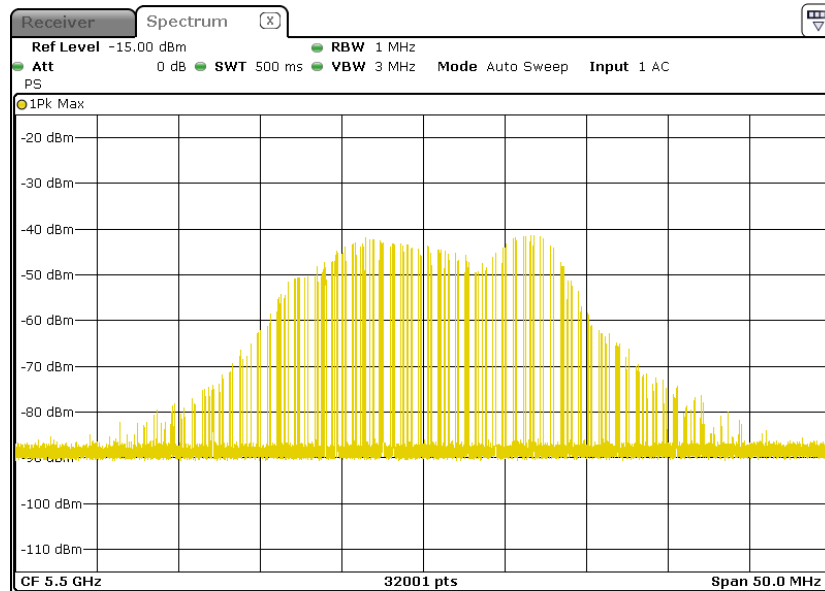
| Type 6 Radar Statistical Performances |                                 |           |
|---------------------------------------|---------------------------------|-----------|
| Trial #                               | Hopping Frequency Sequence Name | Detection |
| 1                                     | 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%                  |                                 |           |

### 6.2.5 Non-Occupancy Period

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.

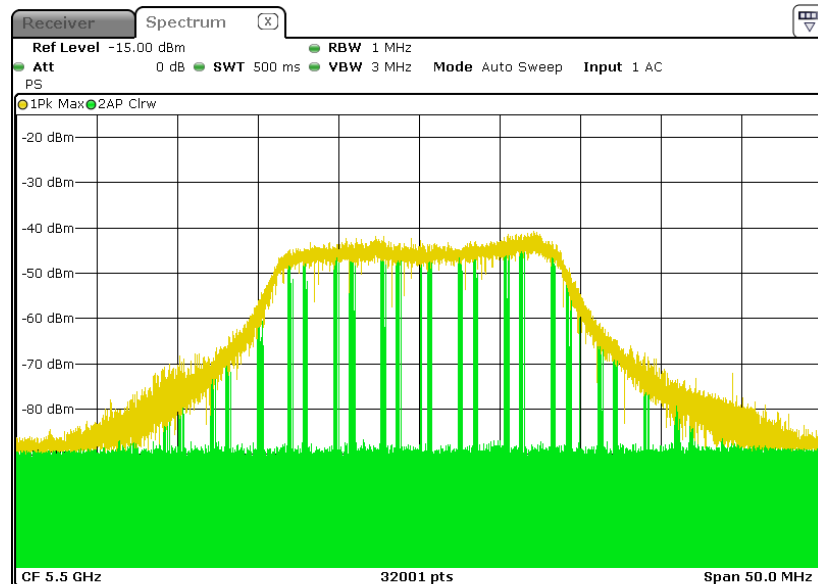
- 1) EUT (Master) links with Client on 5500MHz.

Waveform of EUT links up with Client



- 2) Client plays specified files via master.

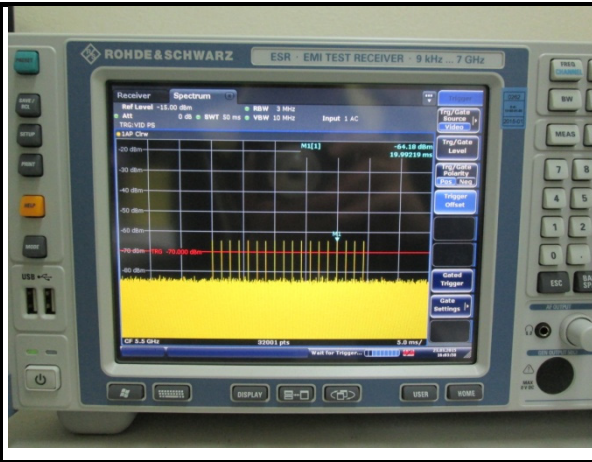
Waveform of transmission



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

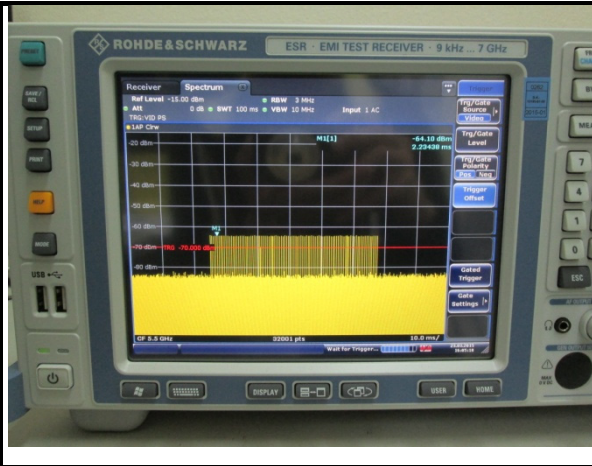
### Radar 0

|          | Trial Id | Radar Type | Pulse Width (ns) | PRI (ns) | Number of Pulses | Waveform Length (ns) |
|----------|----------|------------|------------------|----------|------------------|----------------------|
| Download | 0        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 1        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 2        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 3        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 4        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 5        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 6        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 7        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 8        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 9        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 10       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 11       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 12       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 13       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 14       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 15       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 16       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |



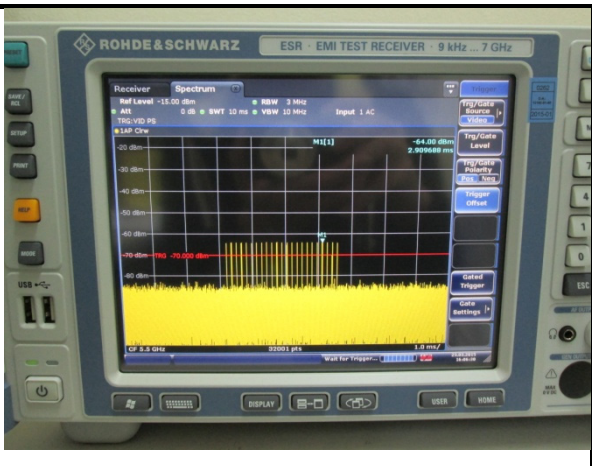
### Radar 1

|          | Trial Id | Radar Type | Pulse Width (ns) | PRI (ns) | Number of Pulses | Waveform Length (ns) |
|----------|----------|------------|------------------|----------|------------------|----------------------|
| Download | 0        | Type 1     | 1.0              | 678.0    | 78               | 52884.0              |
| Download | 1        | Type 1     | 1.0              | 858.0    | 82               | 53196.0              |
| Download | 2        | Type 1     | 1.0              | 738.0    | 72               | 53136.0              |
| Download | 3        | Type 1     | 1.0              | 878.0    | 61               | 53558.0              |
| Download | 4        | Type 1     | 1.0              | 938.0    | 57               | 53466.0              |
| Download | 5        | Type 1     | 1.0              | 918.0    | 58               | 53244.0              |
| Download | 6        | Type 1     | 1.0              | 538.0    | 99               | 53282.0              |
| Download | 7        | Type 1     | 1.0              | 618.0    | 86               | 53148.0              |
| Download | 8        | Type 1     | 1.0              | 788.0    | 67               | 53466.0              |
| Download | 9        | Type 1     | 1.0              | 888.0    | 59               | 53282.0              |
| Download | 10       | Type 1     | 1.0              | 518.0    | 102              | 53286.0              |
| Download | 11       | Type 1     | 1.0              | 718.0    | 74               | 53132.0              |
| Download | 12       | Type 1     | 1.0              | 306.0    | 18               | 55188.0              |
| Download | 13       | Type 1     | 1.0              | 598.0    | 89               | 53222.0              |
| Download | 14       | Type 1     | 1.0              | 838.0    | 63               | 53294.0              |
| Download | 15       | Type 1     | 1.0              | 284.0    | 19               | 54074.0              |
| Download | 16       | Type 1     | 1.0              | 658.0    | 84               | 53002.0              |



### Radar 2

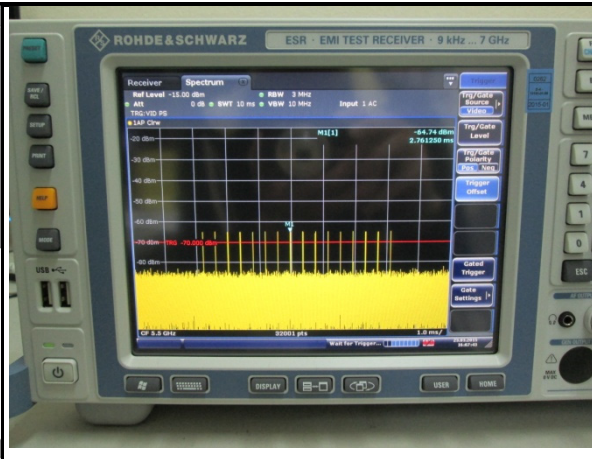
|          | Trial Id | Radar Type | Pulse Width (ns) | PRI (ns) | Number of Pulses | Waveform Length (ns) |
|----------|----------|------------|------------------|----------|------------------|----------------------|
| Download | 0        | Type 2     | 1.3              | 200.0    | 23               | 4600.0               |
| Download | 1        | Type 2     | 2.3              | 173.0    | 25               | 4325.0               |
| Download | 2        | Type 2     | 4.9              | 158.0    | 29               | 4582.0               |
| Download | 3        | Type 2     | 1.5              | 190.0    | 24               | 4580.0               |
| Download | 4        | Type 2     | 1.6              | 219.0    | 24               | 5256.0               |
| Download | 5        | Type 2     | 2.4              | 183.0    | 25               | 4575.0               |
| Download | 6        | Type 2     | 5.0              | 171.0    | 29               | 4959.0               |
| Download | 7        | Type 2     | 4.5              | 194.0    | 29               | 5626.0               |
| Download | 8        | Type 2     | 3.6              | 160.0    | 27               | 4320.0               |
| Download | 9        | Type 2     | 2.7              | 166.0    | 26               | 4316.0               |
| Download | 10       | Type 2     | 2.8              | 202.0    | 26               | 5252.0               |
| Download | 11       | Type 2     | 3.7              | 188.0    | 27               | 5076.0               |
| Download | 12       | Type 2     | 1.9              | 184.0    | 24               | 4416.0               |
| Download | 13       | Type 2     | 4.4              | 203.0    | 28               | 5684.0               |
| Download | 14       | Type 2     | 3.3              | 205.0    | 26               | 5330.0               |
| Download | 15       | Type 2     | 1.5              | 189.0    | 23               | 4347.0               |
| Download | 16       | Type 2     | 7.6              | 228.0    | 25               | 5700.0               |





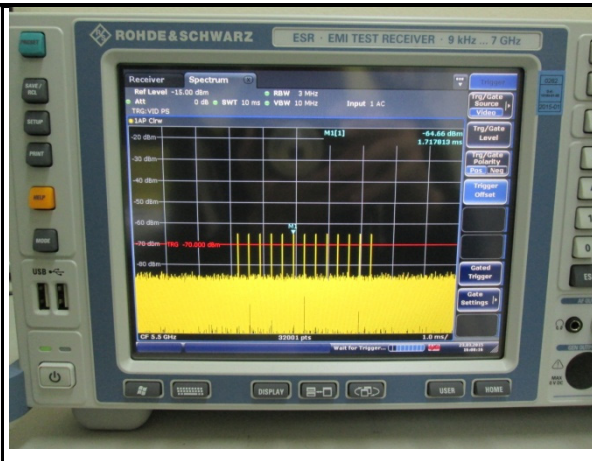
### Radar 3

| Trial Id    | Radar Type | Pulse Width (ns) | PRI (ns) | Number of Pulses | Waveform Length (ns) |
|-------------|------------|------------------|----------|------------------|----------------------|
| Download 0  | Type 3     | 8.2              | 355.0    | 17               | 6035.0               |
| Download 1  | Type 3     | 6.1              | 487.0    | 16               | 7792.0               |
| Download 2  | Type 3     | 7.1              | 344.0    | 16               | 5504.0               |
| Download 3  | Type 3     | 9.8              | 288.0    | 18               | 5194.0               |
| Download 4  | Type 3     | 8.9              | 230.0    | 18               | 4140.0               |
| Download 5  | Type 3     | 7.9              | 432.0    | 17               | 7344.0               |
| Download 6  | Type 3     | 8.2              | 207.0    | 17               | 3519.0               |
| Download 7  | Type 3     | 7.5              | 443.0    | 17               | 7531.0               |
| Download 8  | Type 3     | 8.1              | 438.0    | 17               | 7463.0               |
| Download 9  | Type 3     | 6.2              | 223.0    | 16               | 3568.0               |
| Download 10 | Type 3     | 8.9              | 208.0    | 18               | 3744.0               |
| Download 11 | Type 3     | 9.6              | 463.0    | 18               | 8334.0               |
| Download 12 | Type 3     | 8.2              | 441.0    | 17               | 7497.0               |
| Download 13 | Type 3     | 7.2              | 323.0    | 16               | 5168.0               |
| Download 14 | Type 3     | 9.5              | 297.0    | 18               | 5346.0               |
| Download 15 | Type 3     | 8.0              | 412.0    | 17               | 7004.0               |
| Download 16 | Type 3     | 10.0             | 258.0    | 18               | 5322.0               |



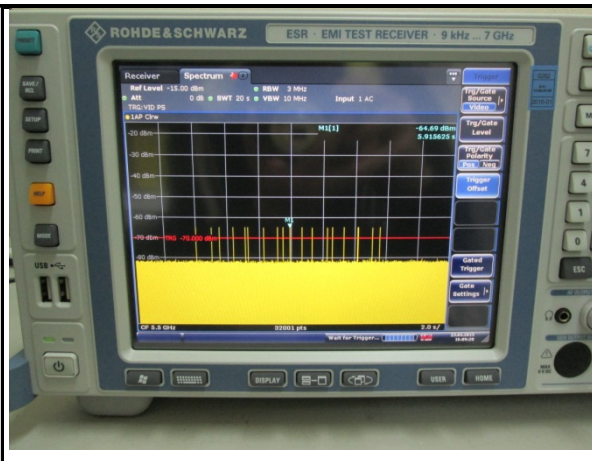
### Radar 4

| Trial Id    | Radar Type | Pulse Width (ns) | PRI (ns) | Number of Pulses | Waveform Length (ns) |
|-------------|------------|------------------|----------|------------------|----------------------|
| Download 0  | Type 4     | 16.0             | 355.0    | 14               | 4970.0               |
| Download 1  | Type 4     | 11.3             | 407.0    | 12               | 3844.0               |
| Download 2  | Type 4     | 13.5             | 344.0    | 13               | 4472.0               |
| Download 3  | Type 4     | 19.4             | 288.0    | 16               | 4608.0               |
| Download 4  | Type 4     | 17.5             | 230.0    | 15               | 3450.0               |
| Download 5  | Type 4     | 15.3             | 432.0    | 14               | 6048.0               |
| Download 6  | Type 4     | 15.9             | 207.0    | 14               | 2698.0               |
| Download 7  | Type 4     | 14.3             | 443.0    | 13               | 5759.0               |
| Download 8  | Type 4     | 15.8             | 439.0    | 14               | 6146.0               |
| Download 9  | Type 4     | 11.5             | 223.0    | 12               | 2676.0               |
| Download 10 | Type 4     | 17.4             | 208.0    | 15               | 3120.0               |
| Download 11 | Type 4     | 19.0             | 463.0    | 16               | 7408.0               |
| Download 12 | Type 4     | 16.0             | 441.0    | 14               | 6174.0               |
| Download 13 | Type 4     | 13.8             | 323.0    | 13               | 4199.0               |
| Download 14 | Type 4     | 18.9             | 297.0    | 16               | 4752.0               |
| Download 15 | Type 4     | 15.5             | 412.0    | 14               | 5768.0               |
| Download 16 | Type 4     | 10.0             | 258.0    | 14               | 3168.0               |



### Radar 5

| Trial Id    | Radar Type | Number of Bursts  | Burst Period (s) | Waveform Length (s) | Center Frequency (GHz)     |            |            |            |
|-------------|------------|-------------------|------------------|---------------------|----------------------------|------------|------------|------------|
| Download 0  | Type 5     | 18                | 0.6666667        | 12.0000000          | 5.500000000                |            |            |            |
|             | Burst ID   | Burst Offset (ns) | Pulse Width (ns) | Chirp Width (MHz)   | Number of Pulses per Burst | PRI-1 (ns) | PRI-2 (ns) | PRI-3 (ns) |
| 0           |            | 345314.0          | 89.2             | 17                  | 3                          | 1780.0     | 1358.0     | 1593.0     |
| 1           |            | 306256.0          | 94.4             | 17                  | 3                          | 1000.0     | 1392.0     | 1924.0     |
| 2           |            | 4480.0            | 96.9             | 17                  | 1                          | 1539.0     | -          | -          |
| 3           |            | 154774.0          | 90.6             | 17                  | 3                          | 1996.0     | 1943.0     | 1734.0     |
| 4           |            | 227342.0          | 52.9             | 17                  | 1                          | 1866.0     | -          | -          |
| 5           |            | 389596.0          | 66.7             | 17                  | 2                          | 1618.0     | 1920.0     | -          |
| 6           |            | 646682.0          | 99.1             | 17                  | 3                          | 1190.0     | 1872.0     | 1826.0     |
| 7           |            | 145407.0          | 88.9             | 17                  | 3                          | 1357.0     | 1385.0     | 1136.0     |
| 8           |            | 306271.0          | 75.5             | 17                  | 2                          | 1936.0     | 1699.0     | -          |
| 9           |            | 467690.0          | 82.9             | 17                  | 2                          | 1704.0     | 1061.0     | -          |
| 10          |            | 627431.0          | 94.5             | 17                  | 3                          | 1287.0     | 1333.0     | 1492.0     |
| 11          |            | 125722.0          | 72.1             | 17                  | 3                          | 1722.0     | 1570.0     | -          |
| 12          |            | 286499.0          | 96.8             | 17                  | 3                          | 1245.0     | 1027.0     | 1380.0     |
| 13          |            | 448457.0          | 51.6             | 17                  | 1                          | 1875.0     | -          | -          |
| 14          |            | 610372.0          | 53.0             | 17                  | 1                          | 1131.0     | -          | -          |
| 15          |            | 105717.0          | 96.2             | 17                  | 3                          | 1825.0     | 1170.0     | 1470.0     |
| 16          |            | 266622.0          | 80.7             | 17                  | 2                          | 1869.0     | 1850.0     | -          |
| 17          |            | 428794.0          | 60.6             | 17                  | 1                          | 1569.0     | -          | -          |
| Download 9  | Type 5     | 18                | 0.6666667        | 12.0000000          | 5.500000000                |            |            |            |
| Download 10 | Type 5     | 10                | 1.3000000        | 12.0000000          | 5.494200000                |            |            |            |
| Download 11 | Type 5     | 11                | 0.7470592        | 17.0000000          | 5.494200000                |            |            |            |





## 7 Information of 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:

### **Lin Kou EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

### **Hsin Chu EMC/RF/Telecom Lab**

Tel: 886-3-6668565

Fax: 886-3-6668323

### **Hwa Ya EMC/RF/Safety Lab**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** <http://ee.bureauveritas.com.tw>

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

## Appendix-A

### Radar Test Signal

#### A.1 The Long Pulse Radar Pattern

##### 802.11ax (HE20)

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 15

Chirp Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 12          | 77.8            | 1665       | 1477       | -          |
| 2     | 1                | 12          | 51.9            | 1074       | -          | -          |
| 3     | 1                | 12          | 63.8            | 1584       | -          | -          |
| 4     | 3                | 12          | 96.6            | 1682       | 1786       | 1843       |
| 5     | 3                | 12          | 85.9            | 1795       | 1215       | 1729       |
| 6     | 2                | 12          | 73.7            | 1198       | 1549       | -          |
| 7     | 2                | 12          | 77.2            | 1837       | 1819       | -          |
| 8     | 2                | 12          | 68.4            | 1587       | 1114       | -          |
| 9     | 2                | 12          | 76.7            | 2000       | 1155       | -          |
| 10    | 1                | 12          | 53.2            | 1147       | -          | -          |
| 11    | 3                | 12          | 85.7            | 1433       | 1695       | 1394       |
| 12    | 3                | 12          | 94.3            | 1670       | 1426       | 1935       |
| 13    | 2                | 12          | 77.6            | 1294       | 1671       | -          |
| 14    | 1                | 12          | 65.7            | 1512       | -          | -          |
| 15    | 3                | 12          | 93.5            | 1444       | 1130       | 1468       |
| 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: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 17          | 75              | 1880       | 1527       | -          |
| 2     | 3                | 17          | 99.4            | 1401       | 1262       | 1257       |
| 3     | 2                | 17          | 67.4            | 1531       | 1403       | -          |
| 4     | 2                | 17          | 73.6            | 1449       | 1041       | -          |
| 5     | 1                | 17          | 65.9            | 1432       | -          | -          |
| 6     | 3                | 17          | 83.8            | 1356       | 1292       | 1419       |
| 7     | 1                | 17          | 65.5            | 1543       | -          | -          |
| 8     | 3                | 17          | 98.6            | 1548       | 1796       | 1728       |
| 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: 5500MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 13             | 73.8               | 1806       | 1538       | -          |
| 2     | 2                   | 13             | 69.5               | 1117       | 1649       | -          |
| 3     | 1                   | 13             | 51.9               | 1651       | -          | -          |
| 4     | 3                   | 13             | 84.6               | 1976       | 1032       | 1271       |
| 5     | 3                   | 13             | 95.4               | 1060       | 1903       | 1388       |
| 6     | 2                   | 13             | 68                 | 1368       | 1351       | -          |
| 7     | 3                   | 13             | 89.6               | 1338       | 1514       | 1573       |
| 8     | 2                   | 13             | 81.9               | 1022       | 1689       | -          |
| 9     | 3                   | 13             | 88.3               | 1810       | 1330       | 1838       |
| 10    | 1                   | 13             | 53.7               | 1597       | -          | -          |
| 11    | 3                   | 13             | 91.3               | 1961       | 1106       | 1001       |
| 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: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 6           | 68.1            | 1339       | 1355       | -          |
| 2     | 1                | 6           | 58.7            | 1251       | -          | -          |
| 3     | 2                | 6           | 75.3            | 1136       | 1640       | -          |
| 4     | 1                | 6           | 56.4            | 1753       | -          | -          |
| 5     | 3                | 6           | 99.7            | 1196       | 1708       | 1159       |
| 6     | 1                | 6           | 57.7            | 1013       | -          | -          |
| 7     | 1                | 6           | 59.5            | 1072       | -          | -          |
| 8     | 2                | 6           | 80              | 1482       | 1369       | -          |
| 9     | 2                | 6           | 82              | 1993       | 1197       | -          |
| 10    | 2                | 6           | 82.8            | 1883       | 1005       | -          |
| 11    | 3                | 6           | 88              | 1061       | 1928       | 1101       |
| 12    | 3                | 6           | 93.2            | 1207       | 1907       | 1223       |
| 13    | 2                | 6           | 70.4            | 1526       | 1360       | -          |
| 14    | 3                | 6           | 95.3            | 1171       | 1955       | 1775       |
| 15    | 2                | 6           | 81.9            | 1690       | 1545       | -          |
| 16    | 3                | 6           | 98.5            | 1975       | 1169       | 1062       |
| 17    | 1                | 6           | 65              | 1767       | -          | -          |
| 18    | 3                | 6           | 85.4            | 1011       | 1637       | 1425       |
| 19    | 3                | 6           | 91.6            | 1878       | 1445       | 1325       |
| 20    | 2                | 6           | 67.3            | 1091       | 1218       | -          |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 67.9            | 1320       | 1133       | -          |
| 2     | 1                | 9           | 62.3            | 1957       | -          | -          |
| 3     | 1                | 9           | 53.3            | 1592       | -          | -          |
| 4     | 3                | 9           | 90              | 1900       | 1153       | 1346       |
| 5     | 2                | 9           | 77.1            | 1166       | 1646       | -          |
| 6     | 3                | 9           | 83.9            | 1278       | 1232       | 1459       |
| 7     | 3                | 9           | 89.1            | 1240       | 1384       | 1939       |
| 8     | 2                | 9           | 81.8            | 1833       | 1676       | -          |
| 9     | 1                | 9           | 50.3            | 1075       | -          | -          |
| 10    | 3                | 9           | 87.1            | 1116       | 1996       | 1756       |
| 11    | 2                | 9           | 71.3            | 1225       | 1815       | -          |
| 12    | 3                | 9           | 97.5            | 1884       | 1465       | 1132       |
| 13    | 3                | 9           | 90.6            | 1561       | 1040       | 1354       |
| 14    | 3                | 9           | 86.3            | 1596       | 1183       | 1792       |
| 15    | 3                | 9           | 97.6            | 1365       | 1073       | 1361       |
| 16    | 3                | 9           | 84.7            | 1021       | 1718       | 1854       |
| 17    | 3                | 9           | 99.7            | 1150       | 1244       | 1988       |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 92.9            | 1085       | 1564       | 1407       |
| 2     | 2                | 19          | 67.7            | 1744       | 1747       | -          |
| 3     | 1                | 19          | 65.8            | 1092       | -          | -          |
| 4     | 1                | 19          | 56.3            | 1851       | -          | -          |
| 5     | 1                | 19          | 53.7            | 1727       | -          | -          |
| 6     | 3                | 19          | 83.5            | 1679       | 1930       | 1025       |
| 7     | 1                | 19          | 65.8            | 1519       | -          | -          |
| 8     | 3                | 19          | 85.9            | 1134       | 1034       | 1808       |
| 9     | 2                | 19          | 76.3            | 1606       | 1926       | -          |
| 10    | 2                | 19          | 81.5            | 1891       | 1714       | -          |
| 11    | 3                | 19          | 89.4            | 1310       | 1594       | 1827       |
| 12    | 1                | 19          | 63.4            | 1568       | -          | -          |
| 13    | 2                | 19          | 69.6            | 1307       | 1925       | -          |
| 14    | 2                | 19          | 74.5            | 1264       | 1846       | -          |
| 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: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 96.6            | 1182       | 1609       | 1581       |
| 2     | 3                | 12          | 96.7            | 1829       | 1799       | 1154       |
| 3     | 3                | 12          | 86.5            | 1923       | 1396       | 1865       |
| 4     | 2                | 12          | 73.3            | 1908       | 1318       | -          |
| 5     | 1                | 12          | 55.8            | 1688       | -          | -          |
| 6     | 1                | 12          | 55.4            | 1145       | -          | -          |
| 7     | 3                | 12          | 85.3            | 1336       | 1504       | 1820       |
| 8     | 2                | 12          | 79.4            | 1344       | 1893       | -          |
| 9     | 1                | 12          | 65.7            | 1476       | -          | -          |
| 10    | 2                | 12          | 68.6            | 1008       | 1028       | -          |
| 11    | 2                | 12          | 77.7            | 1972       | 1835       | -          |
| 12    | 2                | 12          | 79.6            | 1882       | 1331       | -          |
| 13    | 3                | 12          | 94.9            | 1830       | 1070       | 1349       |
| 14    | 1                | 12          | 61.4            | 1451       | -          | -          |
| 15    | 3                | 12          | 90.6            | 1233       | 1562       | 1887       |
| 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: 5500MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 9              | 52.6               | 1210       | -          | -          |
| 2     | 3                   | 9              | 84.1               | 1314       | 1725       | 1529       |
| 3     | 3                   | 9              | 97.7               | 1139       | 1868       | 1805       |
| 4     | 3                   | 9              | 97.3               | 1341       | 1446       | 1755       |
| 5     | 3                   | 9              | 98.8               | 1544       | 1386       | 1302       |
| 6     | 2                   | 9              | 72.2               | 1771       | 1184       | -          |
| 7     | 2                   | 9              | 67.6               | 1175       | 1027       | -          |
| 8     | 2                   | 9              | 75.7               | 1026       | 1871       | -          |
| 9     | 1                   | 9              | 60.9               | 1798       | -          | -          |
| 10    | 1                   | 9              | 64.2               | 1138       | -          | -          |
| 11    | 2                   | 9              | 78.8               | 1784       | 1604       | -          |
| 12    | 3                   | 9              | 87.5               | 1511       | 1712       | 1683       |
| 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: 5500MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 14             | 54.1               | 1415       | -          | -          |
| 2     | 1                   | 14             | 50.7               | 1221       | -          | -          |
| 3     | 1                   | 14             | 52.3               | 1974       | -          | -          |
| 4     | 3                   | 14             | 99.8               | 1558       | 1696       | 1949       |
| 5     | 2                   | 14             | 68.4               | 1014       | 1099       | -          |
| 6     | 2                   | 14             | 80.8               | 1736       | 1505       | -          |
| 7     | 1                   | 14             | 62.5               | 1778       | -          | -          |
| 8     | 2                   | 14             | 74.8               | 1149       | 1204       | -          |
| 9     | 1                   | 14             | 50.8               | 1049       | -          | -          |
| 10    | 1                   | 14             | 54                 | 1417       | -          | -          |
| 11    | 1                   | 14             | 63                 | 1730       | -          | -          |
| 12    | 3                   | 14             | 91.8               | 1143       | 1270       | 1347       |
| 13    | 2                   | 14             | 79.3               | 1274       | 1992       | -          |
| 14    | 1                   | 14             | 64.3               | 1937       | -          | -          |
| 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: 5500MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 18          | 63.4            | 1043       | -          | -          |
| 2     | 1                | 18          | 52              | 1863       | -          | -          |
| 3     | 3                | 18          | 97.2            | 1973       | 1605       | 1583       |
| 4     | 2                | 18          | 78.7            | 1466       | 1743       | -          |
| 5     | 2                | 18          | 74.2            | 1280       | 1219       | -          |
| 6     | 3                | 18          | 88.7            | 1293       | 1934       | 1273       |
| 7     | 1                | 18          | 54.3            | 1991       | -          | -          |
| 8     | 3                | 18          | 95.4            | 1580       | 1555       | 1791       |
| 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: 5496.45MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 73.7            | 1208       | 1497       | -          |
| 2     | 3                | 15          | 97.4            | 1942       | 1754       | 1613       |
| 3     | 3                | 15          | 91.7            | 1999       | 1702       | 1462       |
| 4     | 1                | 15          | 66.2            | 1393       | -          | -          |
| 5     | 2                | 15          | 70.8            | 1968       | 1821       | -          |
| 6     | 1                | 15          | 52.3            | 1740       | -          | -          |
| 7     | 2                | 15          | 78.9            | 1308       | 1984       | -          |
| 8     | 2                | 15          | 70.9            | 1050       | 1358       | -          |
| 9     | 2                | 15          | 75.6            | 1437       | 1430       | -          |
| 10    | 1                | 15          | 59.1            | 1697       | -          | -          |
| 11    | 2                | 15          | 77              | 1397       | 1304       | -          |
| 12    | 2                | 15          | 67.9            | 1803       | 1083       | -          |
| 13    | 2                | 15          | 81.2            | 1720       | 1932       | -          |
| 14    | 2                | 15          | 78.7            | 1247       | 1121       | -          |
| 15    | 1                | 15          | 63.3            | 1634       | -          | -          |
| 16    | 2                | 15          | 68.9            | 1849       | 1423       | -          |
| 17    | 1                | 15          | 59.3            | 1093       | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5497.65MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 98.9            | 1381       | 1680       | 1488       |
| 2     | 2                | 18          | 82.3            | 1716       | 1855       | -          |
| 3     | 3                | 18          | 86.7            | 1211       | 1400       | 1919       |
| 4     | 3                | 18          | 89.7            | 1861       | 1068       | 1282       |
| 5     | 3                | 18          | 98.6            | 1507       | 1194       | 1461       |
| 6     | 2                | 18          | 71.1            | 1921       | 1789       | -          |
| 7     | 1                | 18          | 55.9            | 1947       | -          | -          |
| 8     | 2                | 18          | 67.9            | 1350       | 1372       | -          |
| 9     | 3                | 18          | 84.4            | 1203       | 1107       | 1443       |
| 10    | 1                | 18          | 58.8            | 1715       | -          | -          |
| 11    | 1                | 18          | 65.6            | 1017       | -          | -          |
| 12    | 2                | 18          | 78.5            | 1911       | 1704       | -          |
| 13    | 2                | 18          | 82.3            | 1845       | 1686       | -          |
| 14    | 3                | 18          | 90.1            | 1938       | 1071       | 1266       |
| 15    | 3                | 18          | 90.2            | 1989       | 1089       | 1950       |
| 16    | 2                | 18          | 83.1            | 1943       | 1406       | -          |
| 17    | 1                | 18          | 58.8            | 1742       | -          | -          |
| 18    | 2                | 18          | 77              | 1187       | 1657       | -          |
| 19    | 1                | 18          | 55              | 1012       | -          | -          |
| 20    |                  |             |                 |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chirp Center Frequency: 5495.25MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 12          | 58.1            | 1929       | -          | -          |
| 2     | 1                | 12          | 52.1            | 1910       | -          | -          |
| 3     | 1                | 12          | 59.9            | 1971       | -          | -          |
| 4     | 1                | 12          | 60.2            | 1812       | -          | -          |
| 5     | 3                | 12          | 95.9            | 1399       | 1906       | 1608       |
| 6     | 2                | 12          | 79.9            | 1626       | 1859       | -          |
| 7     | 2                | 12          | 78.5            | 1238       | 1917       | -          |
| 8     | 1                | 12          | 53.8            | 1763       | -          | -          |
| 9     | 1                | 12          | 64.7            | 1800       | -          | -          |
| 10    | 1                | 12          | 61.4            | 1390       | -          | -          |
| 11    | 2                | 12          | 83.2            | 1692       | 1858       | -          |
| 12    | 3                | 12          | 84.7            | 1533       | 1677       | 1638       |
| 13    | 3                | 12          | 88.7            | 1703       | 1528       | 1058       |
| 14    | 2                | 12          | 78.3            | 1258       | 1951       | -          |
| 15    | 2                | 12          | 69.3            | 1731       | 1717       | -          |
| 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: 5494.05MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 9           | 75.3            | 1994       | 1612       | -          |
| 2     | 1                | 9           | 56.3            | 1456       | -          | -          |
| 3     | 2                | 9           | 67.7            | 1617       | 1185       | -          |
| 4     | 1                | 9           | 55.6            | 1337       | -          | -          |
| 5     | 2                | 9           | 75.2            | 1421       | 1267       | -          |
| 6     | 2                | 9           | 76.3            | 1359       | 1305       | -          |
| 7     | 3                | 9           | 85.7            | 1547       | 1362       | 1924       |
| 8     | 3                | 9           | 98.4            | 1873       | 1550       | 1249       |
| 9     | 3                | 9           | 86.4            | 1779       | 1439       | 1046       |
| 10    | 3                | 9           | 93.6            | 1059       | 1031       | 1452       |
| 11    | 1                | 9           | 63.3            | 1328       | -          | -          |
| 12    | 3                | 9           | 92.4            | 1412       | 1673       | 1322       |
| 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: 5497.25MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 17             | 93.3               | 1983       | 1912       | 1535       |
| 2     | 2                   | 17             | 69.1               | 1102       | 1794       | -          |
| 3     | 3                   | 17             | 86.9               | 1044       | 1152       | 1148       |
| 4     | 3                   | 17             | 84.9               | 1894       | 1948       | 1118       |
| 5     | 2                   | 17             | 72.3               | 1094       | 1916       | -          |
| 6     | 1                   | 17             | 51.7               | 1447       | -          | -          |
| 7     | 1                   | 17             | 58.3               | 1429       | -          | -          |
| 8     | 1                   | 17             | 60.8               | 1979       | -          | -          |
| 9     | 1                   | 17             | 57.1               | 1641       | -          | -          |
| 10    | 3                   | 17             | 88.9               | 1886       | 1964       | 1489       |
| 11    | 2                   | 17             | 72                 | 1909       | 1297       | -          |
| 12    | 3                   | 17             | 90.9               | 1261       | 1566       | 1370       |
| 13    | 1                   | 17             | 59.8               | 1552       | -          | -          |
| 14    | 2                   | 17             | 70                 | 1759       | 1291       | -          |
| 15    | 2                   | 17             | 67.2               | 1625       | 1881       | -          |
| 16    | 3                   | 17             | 91.2               | 1382       | 1832       | 1661       |
| 17    | 1                   | 17             | 56.5               | 1483       | -          | -          |
| 18    | 1                   | 17             | 51.2               | 1237       | -          | -          |
| 19    | 2                   | 17             | 74.1               | 1471       | 1245       | -          |
| 20    |                     |                |                    |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5494.85MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 11          | 76.9            | 1110       | 1140       | -          |
| 2     | 1                | 11          | 50.2            | 1316       | -          | -          |
| 3     | 1                | 11          | 62.9            | 1520       | -          | -          |
| 4     | 1                | 11          | 64.7            | 1902       | -          | -          |
| 5     | 3                | 11          | 83.8            | 1410       | 1097       | 1621       |
| 6     | 1                | 11          | 65.4            | 1944       | -          | -          |
| 7     | 1                | 11          | 53.2            | 1024       | -          | -          |
| 8     | 1                | 11          | 51.7            | 1603       | -          | -          |
| 9     | 2                | 11          | 78.7            | 1804       | 1168       | -          |
| 10    | 2                | 11          | 72.4            | 1030       | 1343       | -          |
| 11    | 1                | 11          | 53.8            | 1327       | -          | -          |
| 12    | 2                | 11          | 73.6            | 1524       | 1553       | -          |
| 13    | 2                | 11          | 66.7            | 1722       | 1122       | -          |
| 14    | 2                | 11          | 82.5            | 1404       | 1019       | -          |
| 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: 5498.05MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 87.6            | 1565       | 1055       | 1840       |
| 2     | 3                | 19          | 85.2            | 1735       | 1541       | 1408       |
| 3     | 3                | 19          | 84.8            | 1534       | 1889       | 1463       |
| 4     | 2                | 19          | 77.9            | 1749       | 1460       | -          |
| 5     | 2                | 19          | 76.5            | 1518       | 1485       | -          |
| 6     | 1                | 19          | 60.9            | 1540       | -          | -          |
| 7     | 2                | 19          | 83              | 1080       | 1010       | -          |
| 8     | 2                | 19          | 80.4            | 1824       | 1752       | -          |
| 9     | 2                | 19          | 67.5            | 1764       | 1181       | -          |
| 10    | 1                | 19          | 62.1            | 1495       | -          | -          |
| 11    | 3                | 19          | 86.4            | 1773       | 1966       | 1263       |
| 12    | 3                | 19          | 84.3            | 1593       | 1188       | 1788       |
| 13    | 2                | 19          | 76.9            | 1226       | 1537       | -          |
| 14    | 3                | 19          | 95.8            | 1192       | 1298       | 1844       |
| 15    | 1                | 19          | 55.2            | 1644       | -          | -          |
| 16    | 1                | 19          | 59              | 1402       | -          | -          |
| 17    | 3                | 19          | 94.5            | 1296       | 1700       | 1283       |
| 18    | 3                | 19          | 91.9            | 1970       | 1978       | 1165       |
| 19    | 3                | 19          | 85.2            | 1732       | 1551       | 1189       |
| 20    | 2                | 19          | 69.5            | 1038       | 1224       | -          |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5494.05MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 9              | 86.4               | 1259       | 1918       | 1455       |
| 2     | 3                   | 9              | 92.2               | 1598       | 1719       | 1895       |
| 3     | 2                   | 9              | 80.4               | 1816       | 1899       | -          |
| 4     | 1                   | 9              | 54.3               | 1335       | -          | -          |
| 5     | 1                   | 9              | 53.1               | 1303       | -          | -          |
| 6     | 2                   | 9              | 69.4               | 1503       | 1546       | -          |
| 7     | 2                   | 9              | 69.1               | 1279       | 1639       | -          |
| 8     | 3                   | 9              | 100                | 1375       | 1438       | 1595       |
| 9     | 2                   | 9              | 79.6               | 1239       | 1705       | -          |
| 10    | 3                   | 9              | 88.4               | 1374       | 1579       | 1623       |
| 11    | 1                   | 9              | 53.3               | 1016       | -          | -          |
| 12    | 1                   | 9              | 65.3               | 1709       | -          | -          |
| 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: 5494.85MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 11             | 55.3               | 1920       | -          | -          |
| 2     | 1                   | 11             | 58.3               | 1797       | -          | -          |
| 3     | 2                   | 11             | 72.3               | 1610       | 1039       | -          |
| 4     | 3                   | 11             | 84.8               | 1131       | 1761       | 1721       |
| 5     | 2                   | 11             | 82.5               | 1875       | 1431       | -          |
| 6     | 1                   | 11             | 63.3               | 1095       | -          | -          |
| 7     | 2                   | 11             | 80                 | 1119       | 1913       | -          |
| 8     | 3                   | 11             | 90.3               | 1660       | 1853       | 1123       |
| 9     | 3                   | 11             | 91.1               | 1539       | 1783       | 1172       |
| 10    | 3                   | 11             | 96.6               | 1525       | 1036       | 1385       |
| 11    | 2                   | 11             | 82.7               | 1710       | 1990       | -          |
| 12    | 1                   | 11             | 50.7               | 1234       | -          | -          |
| 13    | 2                   | 11             | 78.4               | 1047       | 1109       | -          |
| 14    | 3                   | 11             | 99.5               | 1299       | 1965       | 1869       |
| 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: 5494.05MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 9              | 88.6               | 1501       | 1067       | 1927       |
| 2     | 1                   | 9              | 57.4               | 1723       | -          | -          |
| 3     | 3                   | 9              | 96.6               | 1086       | 1658       | 1324       |
| 4     | 2                   | 9              | 69.7               | 1751       | 1945       | -          |
| 5     | 2                   | 9              | 77.9               | 1642       | 1317       | -          |
| 6     | 1                   | 9              | 62                 | 1866       | -          | -          |
| 7     | 3                   | 9              | 88.4               | 1997       | 1077       | 1366       |
| 8     | 3                   | 9              | 97.3               | 1790       | 1896       | 1367       |
| 9     | 3                   | 9              | 96.2               | 1391       | 1787       | 1672       |
| 10    | 3                   | 9              | 95.4               | 1020       | 1892       | 1414       |
| 11    | 1                   | 9              | 54.8               | 1084       | -          | -          |
| 12    | 2                   | 9              | 80.4               | 1850       | 1436       | -          |
| 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: 5503.92MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 14          | 74.7            | 1619       | 1611       | -          |
| 2     | 1                | 14          | 57.1            | 1560       | -          | -          |
| 3     | 3                | 14          | 91.9            | 1392       | 1475       | 1276       |
| 4     | 2                | 14          | 83.1            | 1809       | 1772       | -          |
| 5     | 1                | 14          | 50.7            | 1003       | -          | -          |
| 6     | 2                | 14          | 79.2            | 1574       | 1600       | -          |
| 7     | 1                | 14          | 58.7            | 1186       | -          | -          |
| 8     | 2                | 14          | 71              | 1521       | 1567       | -          |
| 9     | 2                | 14          | 79              | 1777       | 1960       | -          |
| 10    | 2                | 14          | 68.5            | 1284       | 1428       | -          |
| 11    | 2                | 14          | 73.5            | 1904       | 1352       | -          |
| 12    | 2                | 14          | 70.5            | 1864       | 1115       | -          |
| 13    | 2                | 14          | 76.6            | 1045       | 1300       | -          |
| 14    | 2                | 14          | 81.2            | 1160       | 1675       | -          |
| 15    | 1                | 14          | 61.8            | 1277       | -          | -          |
| 16    | 3                | 14          | 94.9            | 1450       | 1206       | 1860       |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5506.32MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 8           | 78.5            | 1653       | 1698       | -          |
| 2     | 3                | 8           | 89.8            | 1174       | 1962       | 1167       |
| 3     | 1                | 8           | 59.4            | 1982       | -          | -          |
| 4     | 2                | 8           | 79.6            | 1633       | 1890       | -          |
| 5     | 2                | 8           | 76              | 1112       | 1811       | -          |
| 6     | 1                | 8           | 53.6            | 1144       | -          | -          |
| 7     | 2                | 8           | 80.9            | 1220       | 1053       | -          |
| 8     | 1                | 8           | 61.6            | 1724       | -          | -          |
| 9     | 1                | 8           | 53.4            | 1901       | -          | -          |
| 10    | 1                | 8           | 59.9            | 1379       | -          | -          |
| 11    | 1                | 8           | 60.4            | 1453       | -          | -          |
| 12    | 3                | 8           | 91.4            | 1768       | 1726       | 1227       |
| 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: 5501.92MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 19          | 77              | 1191       | 1363       | -          |
| 2     | 1                | 19          | 58.1            | 1248       | -          | -          |
| 3     | 1                | 19          | 62.1            | 1836       | -          | -          |
| 4     | 2                | 19          | 76.9            | 1334       | 1236       | -          |
| 5     | 2                | 19          | 80              | 1914       | 1852       | -          |
| 6     | 1                | 19          | 52              | 1701       | -          | -          |
| 7     | 3                | 19          | 88.6            | 1693       | 1995       | 1905       |
| 8     | 2                | 19          | 72.9            | 1922       | 1387       | -          |
| 9     | 3                | 19          | 98.5            | 1839       | 1746       | 1389       |
| 10    | 1                | 19          | 57.9            | 1193       | -          | -          |
| 11    | 3                | 19          | 95.9            | 1659       | 1870       | 1066       |
| 12    | 1                | 19          | 53.5            | 1162       | -          | -          |
| 13    | 3                | 19          | 92              | 1745       | 1654       | 1458       |
| 14    | 1                | 19          | 57.3            | 1834       | -          | -          |
| 15    | 2                | 19          | 70.5            | 1684       | 1586       | -          |
| 16    | 2                | 19          | 70              | 1042       | 1664       | -          |
| 17    | 3                | 19          | 84              | 1765       | 1630       | 1176       |
| 18    | 2                | 19          | 76.1            | 1557       | 1057       | -          |
| 19    | 3                | 19          | 93.2            | 1985       | 1018       | 1340       |
| 20    | 3                | 19          | 96.8            | 1760       | 1614       | 1817       |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chirp Center Frequency: 5505.12MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 11          | 50.1            | 1841       | -          | -          |
| 2     | 3                | 11          | 93.5            | 1590       | 1081       | 1413       |
| 3     | 2                | 11          | 68.8            | 1707       | 1577       | -          |
| 4     | 1                | 11          | 56.3            | 1056       | -          | -          |
| 5     | 3                | 11          | 86              | 1953       | 1108       | 1987       |
| 6     | 2                | 11          | 75.2            | 1572       | 1536       | -          |
| 7     | 1                | 11          | 54.4            | 1517       | -          | -          |
| 8     | 2                | 11          | 71.1            | 1329       | 1243       | -          |
| 9     | 2                | 11          | 76.2            | 1940       | 1770       | -          |
| 10    | 2                | 11          | 80.2            | 1098       | 1209       | -          |
| 11    | 2                | 11          | 79.7            | 1588       | 1214       | -          |
| 12    | 3                | 11          | 90.9            | 1615       | 1862       | 1601       |
| 13    | 2                | 11          | 68.7            | 1377       | 1441       | -          |
| 14    | 2                | 11          | 67.4            | 1872       | 1313       | -          |
| 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: 5505.52MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 10          | 94              | 1643       | 1748       | 1941       |
| 2     | 2                | 10          | 70.8            | 1177       | 1201       | -          |
| 3     | 1                | 10          | 56.3            | 1006       | -          | -          |
| 4     | 3                | 10          | 96.7            | 1230       | 1163       | 1332       |
| 5     | 3                | 10          | 90.6            | 1217       | 1582       | 1498       |
| 6     | 2                | 10          | 74.5            | 1569       | 1281       | -          |
| 7     | 3                | 10          | 92.6            | 1065       | 1669       | 1222       |
| 8     | 3                | 10          | 89              | 1493       | 1135       | 1380       |
| 9     | 3                | 10          | 96.5            | 1607       | 1822       | 1602       |
| 10    | 2                | 10          | 70.5            | 1141       | 1178       | -          |
| 11    | 3                | 10          | 94              | 1009       | 1629       | 1956       |
| 12    | 1                | 10          | 55.8            | 1290       | -          | -          |
| 13    | 3                | 10          | 87.7            | 1435       | 1963       | 1164       |
| 14    |                  |             |                 |            |            |            |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chrip Center Frequency: 5507.92MHz

| Burst | Pulses<br>per Burst | Chrip<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 4              | 68.6               | 1306       | 1161       | -          |
| 2     | 2                   | 4              | 83.1               | 1420       | 1315       | -          |
| 3     | 1                   | 4              | 60.9               | 1687       | -          | -          |
| 4     | 2                   | 4              | 77.7               | 1776       | 1158       | -          |
| 5     | 2                   | 4              | 77.4               | 1793       | 1510       | -          |
| 6     | 2                   | 4              | 66.8               | 1576       | 1323       | -          |
| 7     | 1                   | 4              | 63.7               | 1333       | -          | -          |
| 8     | 3                   | 4              | 91.2               | 1409       | 1681       | 1275       |
| 9     |                     |                |                    |            |            |            |
| 10    |                     |                |                    |            |            |            |
| 11    |                     |                |                    |            |            |            |
| 12    |                     |                |                    |            |            |            |
| 13    |                     |                |                    |            |            |            |
| 14    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chirp Center Frequency: 5503.52MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 15          | 83.6            | 1632       | 1195       | 1000       |
| 2     | 3                | 15          | 89.4            | 1173       | 1627       | 1656       |
| 3     | 1                | 15          | 55.8            | 1532       | -          | -          |
| 4     | 3                | 15          | 90.9            | 1981       | 1554       | 1998       |
| 5     | 1                | 15          | 54.7            | 1825       | -          | -          |
| 6     | 3                | 15          | 97.7            | 1734       | 1202       | 1250       |
| 7     | 2                | 15          | 67.5            | 1571       | 1434       | -          |
| 8     | 3                | 15          | 96.7            | 1589       | 1469       | 1268       |
| 9     | 2                | 15          | 68.3            | 1750       | 1954       | -          |
| 10    | 2                | 15          | 78.3            | 1591       | 1082       | -          |
| 11    | 1                | 15          | 55              | 1427       | -          | -          |
| 12    | 3                | 15          | 84.9            | 1129       | 1936       | 1199       |
| 13    | 2                | 15          | 74.6            | 1959       | 1856       | -          |
| 14    | 1                | 15          | 63.3            | 1885       | -          | -          |
| 15    | 3                | 15          | 99.8            | 1035       | 1515       | 1120       |
| 16    | 1                | 15          | 63.6            | 1647       | -          | -          |
| 17    | 3                | 15          | 87.3            | 1931       | 1051       | 1831       |
| 18    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5502.32MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 85.6            | 1946       | 1078       | 1015       |
| 2     | 2                | 18          | 68.6            | 1029       | 1780       | -          |
| 3     | 1                | 18          | 54.2            | 1111       | -          | -          |
| 4     | 1                | 18          | 61.2            | 1104       | -          | -          |
| 5     | 3                | 18          | 97.1            | 1157       | 1969       | 1100       |
| 6     | 3                | 18          | 98.3            | 1142       | 1699       | 1622       |
| 7     | 1                | 18          | 62.4            | 1655       | -          | -          |
| 8     | 2                | 18          | 80.2            | 1126       | 1769       | -          |
| 9     | 3                | 18          | 87.5            | 1216       | 1448       | 1179       |
| 10    | 3                | 18          | 85.8            | 1847       | 1348       | 1472       |
| 11    | 3                | 18          | 88.1            | 1023       | 1124       | 1631       |
| 12    | 1                | 18          | 65.3            | 1848       | -          | -          |
| 13    | 1                | 18          | 52.5            | 1470       | -          | -          |
| 14    | 1                | 18          | 52.3            | 1312       | -          | -          |
| 15    | 2                | 18          | 74.1            | 1915       | 1200       | -          |
| 16    | 1                | 18          | 54.9            | 1479       | -          | -          |
| 17    | 2                | 18          | 76.2            | 1376       | 1502       | -          |
| 18    | 1                | 18          | 60.4            | 1758       | -          | -          |
| 19    | 2                | 18          | 81.5            | 1491       | 1103       | -          |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chrip Center Frequency: 5505.92MHz

| Burst | Pulses<br>per Burst | Chrip<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 9              | 50.5               | 1857       | -          | -          |
| 2     | 1                   | 9              | 55.7               | 1246       | -          | -          |
| 3     | 3                   | 9              | 85.8               | 1774       | 1002       | 1967       |
| 4     | 2                   | 9              | 76.9               | 1125       | 1474       | -          |
| 5     | 2                   | 9              | 75.1               | 1254       | 1052       | -          |
| 6     | 3                   | 9              | 92.3               | 1180       | 1486       | 1492       |
| 7     | 2                   | 9              | 78.1               | 1301       | 1757       | -          |
| 8     | 3                   | 9              | 92.2               | 1898       | 1252       | 1713       |
| 9     | 3                   | 9              | 89                 | 1260       | 1706       | 1411       |
| 10    | 2                   | 9              | 70.9               | 1578       | 1620       | -          |
| 11    | 1                   | 9              | 63.1               | 1782       | -          | -          |
| 12    | 1                   | 9              | 55.3               | 1522       | -          | -          |
| 13    |                     |                |                    |            |            |            |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5503.12MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 16          | 83.4            | 1454       | 1205       | 1801       |
| 2     | 3                | 16          | 97.3            | 1319       | 1826       | 1635       |
| 3     | 3                | 16          | 90.4            | 1079       | 1986       | 1674       |
| 4     | 3                | 16          | 91.8            | 1563       | 1151       | 1802       |
| 5     | 3                | 16          | 98.2            | 1876       | 1977       | 1766       |
| 6     | 1                | 16          | 59.5            | 1952       | -          | -          |
| 7     | 2                | 16          | 80              | 1253       | 1137       | -          |
| 8     | 3                | 16          | 86.5            | 1054       | 1128       | 1828       |
| 9     | 3                | 16          | 91.1            | 1105       | 1599       | 1442       |
| 10    | 3                | 16          | 93.5            | 1867       | 1373       | 1087       |
| 11    | 1                | 16          | 60.7            | 1033       | -          | -          |
| 12    | 2                | 16          | 67.2            | 1288       | 1405       | -          |
| 13    | 1                | 16          | 61.8            | 1585       | -          | -          |
| 14    | 2                | 16          | 79.4            | 1933       | 1667       | -          |
| 15    | 2                | 16          | 81.4            | 1096       | 1464       | -          |
| 16    | 1                | 16          | 65.7            | 1496       | -          | -          |
| 17    | 2                | 16          | 76              | 1733       | 1255       | -          |
| 18    | 2                | 16          | 81              | 1326       | 1668       | -          |

### 802.11ax (HE40)

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 15

Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 14          | 77.8            | 1665       | 1477       | -          |
| 2     | 1                | 14          | 51.9            | 1074       | -          | -          |
| 3     | 1                | 14          | 63.8            | 1584       | -          | -          |
| 4     | 3                | 14          | 96.6            | 1682       | 1786       | 1843       |
| 5     | 3                | 14          | 85.9            | 1795       | 1215       | 1729       |
| 6     | 2                | 14          | 73.7            | 1198       | 1549       | -          |
| 7     | 2                | 14          | 77.2            | 1837       | 1819       | -          |
| 8     | 2                | 14          | 68.4            | 1587       | 1114       | -          |
| 9     | 2                | 14          | 76.7            | 2000       | 1155       | -          |
| 10    | 1                | 14          | 53.2            | 1147       | -          | -          |
| 11    | 3                | 14          | 85.7            | 1433       | 1695       | 1394       |
| 12    | 3                | 14          | 94.3            | 1670       | 1426       | 1935       |
| 13    | 2                | 14          | 77.6            | 1294       | 1671       | -          |
| 14    | 1                | 14          | 65.7            | 1512       | -          | -          |
| 15    | 3                | 14          | 93.5            | 1444       | 1130       | 1468       |
| 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: 5510MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 10             | 75                 | 1880       | 1527       | -          |
| 2     | 3                   | 10             | 99.4               | 1401       | 1262       | 1257       |
| 3     | 2                   | 10             | 67.4               | 1531       | 1403       | -          |
| 4     | 2                   | 10             | 73.6               | 1449       | 1041       | -          |
| 5     | 1                   | 10             | 65.9               | 1432       | -          | -          |
| 6     | 3                   | 10             | 83.8               | 1356       | 1292       | 1419       |
| 7     | 1                   | 10             | 65.5               | 1543       | -          | -          |
| 8     | 3                   | 10             | 98.6               | 1548       | 1796       | 1728       |
| 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: 5510MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 73.8            | 1806       | 1538       | -          |
| 2     | 2                | 20          | 69.5            | 1117       | 1649       | -          |
| 3     | 1                | 20          | 51.9            | 1651       | -          | -          |
| 4     | 3                | 20          | 84.6            | 1976       | 1032       | 1271       |
| 5     | 3                | 20          | 95.4            | 1060       | 1903       | 1388       |
| 6     | 2                | 20          | 68              | 1368       | 1351       | -          |
| 7     | 3                | 20          | 89.6            | 1338       | 1514       | 1573       |
| 8     | 2                | 20          | 81.9            | 1022       | 1689       | -          |
| 9     | 3                | 20          | 88.3            | 1810       | 1330       | 1838       |
| 10    | 1                | 20          | 53.7            | 1597       | -          | -          |
| 11    | 3                | 20          | 91.3            | 1961       | 1106       | 1001       |
| 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: 5510MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 8           | 68.1            | 1339       | 1355       | -          |
| 2     | 1                | 8           | 58.7            | 1251       | -          | -          |
| 3     | 2                | 8           | 75.3            | 1136       | 1640       | -          |
| 4     | 1                | 8           | 56.4            | 1753       | -          | -          |
| 5     | 3                | 8           | 99.7            | 1196       | 1708       | 1159       |
| 6     | 1                | 8           | 57.7            | 1013       | -          | -          |
| 7     | 1                | 8           | 59.5            | 1072       | -          | -          |
| 8     | 2                | 8           | 80              | 1482       | 1369       | -          |
| 9     | 2                | 8           | 82              | 1993       | 1197       | -          |
| 10    | 2                | 8           | 82.8            | 1883       | 1005       | -          |
| 11    | 3                | 8           | 88              | 1061       | 1928       | 1101       |
| 12    | 3                | 8           | 93.2            | 1207       | 1907       | 1223       |
| 13    | 2                | 8           | 70.4            | 1526       | 1360       | -          |
| 14    | 3                | 8           | 95.3            | 1171       | 1955       | 1775       |
| 15    | 2                | 8           | 81.9            | 1690       | 1545       | -          |
| 16    | 3                | 8           | 98.5            | 1975       | 1169       | 1062       |
| 17    | 1                | 8           | 65              | 1767       | -          | -          |
| 18    | 3                | 8           | 85.4            | 1011       | 1637       | 1425       |
| 19    | 3                | 8           | 91.6            | 1878       | 1445       | 1325       |
| 20    | 2                | 8           | 67.3            | 1091       | 1218       | -          |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 67.9            | 1320       | 1133       | -          |
| 2     | 1                | 13          | 62.3            | 1957       | -          | -          |
| 3     | 1                | 13          | 53.3            | 1592       | -          | -          |
| 4     | 3                | 13          | 90              | 1900       | 1153       | 1346       |
| 5     | 2                | 13          | 77.1            | 1166       | 1646       | -          |
| 6     | 3                | 13          | 83.9            | 1278       | 1232       | 1459       |
| 7     | 3                | 13          | 89.1            | 1240       | 1384       | 1939       |
| 8     | 2                | 13          | 81.8            | 1833       | 1676       | -          |
| 9     | 1                | 13          | 50.3            | 1075       | -          | -          |
| 10    | 3                | 13          | 87.1            | 1116       | 1996       | 1756       |
| 11    | 2                | 13          | 71.3            | 1225       | 1815       | -          |
| 12    | 3                | 13          | 97.5            | 1884       | 1465       | 1132       |
| 13    | 3                | 13          | 90.6            | 1561       | 1040       | 1354       |
| 14    | 3                | 13          | 86.3            | 1596       | 1183       | 1792       |
| 15    | 3                | 13          | 97.6            | 1365       | 1073       | 1361       |
| 16    | 3                | 13          | 84.7            | 1021       | 1718       | 1854       |
| 17    | 3                | 13          | 99.7            | 1150       | 1244       | 1988       |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 92.9            | 1085       | 1564       | 1407       |
| 2     | 2                | 17          | 67.7            | 1744       | 1747       | -          |
| 3     | 1                | 17          | 65.8            | 1092       | -          | -          |
| 4     | 1                | 17          | 56.3            | 1851       | -          | -          |
| 5     | 1                | 17          | 53.7            | 1727       | -          | -          |
| 6     | 3                | 17          | 83.5            | 1679       | 1930       | 1025       |
| 7     | 1                | 17          | 65.8            | 1519       | -          | -          |
| 8     | 3                | 17          | 85.9            | 1134       | 1034       | 1808       |
| 9     | 2                | 17          | 76.3            | 1606       | 1926       | -          |
| 10    | 2                | 17          | 81.5            | 1891       | 1714       | -          |
| 11    | 3                | 17          | 89.4            | 1310       | 1594       | 1827       |
| 12    | 1                | 17          | 63.4            | 1568       | -          | -          |
| 13    | 2                | 17          | 69.6            | 1307       | 1925       | -          |
| 14    | 2                | 17          | 74.5            | 1264       | 1846       | -          |
| 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: 5510MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 13             | 96.6               | 1182       | 1609       | 1581       |
| 2     | 3                   | 13             | 96.7               | 1829       | 1799       | 1154       |
| 3     | 3                   | 13             | 86.5               | 1923       | 1396       | 1865       |
| 4     | 2                   | 13             | 73.3               | 1908       | 1318       | -          |
| 5     | 1                   | 13             | 55.8               | 1688       | -          | -          |
| 6     | 1                   | 13             | 55.4               | 1145       | -          | -          |
| 7     | 3                   | 13             | 85.3               | 1336       | 1504       | 1820       |
| 8     | 2                   | 13             | 79.4               | 1344       | 1893       | -          |
| 9     | 1                   | 13             | 65.7               | 1476       | -          | -          |
| 10    | 2                   | 13             | 68.6               | 1008       | 1028       | -          |
| 11    | 2                   | 13             | 77.7               | 1972       | 1835       | -          |
| 12    | 2                   | 13             | 79.6               | 1882       | 1331       | -          |
| 13    | 3                   | 13             | 94.9               | 1830       | 1070       | 1349       |
| 14    | 1                   | 13             | 61.4               | 1451       | -          | -          |
| 15    | 3                   | 13             | 90.6               | 1233       | 1562       | 1887       |
| 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: 5510MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 12             | 52.6               | 1210       | -          | -          |
| 2     | 3                   | 12             | 84.1               | 1314       | 1725       | 1529       |
| 3     | 3                   | 12             | 97.7               | 1139       | 1868       | 1805       |
| 4     | 3                   | 12             | 97.3               | 1341       | 1446       | 1755       |
| 5     | 3                   | 12             | 98.8               | 1544       | 1386       | 1302       |
| 6     | 2                   | 12             | 72.2               | 1771       | 1184       | -          |
| 7     | 2                   | 12             | 67.6               | 1175       | 1027       | -          |
| 8     | 2                   | 12             | 75.7               | 1026       | 1871       | -          |
| 9     | 1                   | 12             | 60.9               | 1798       | -          | -          |
| 10    | 1                   | 12             | 64.2               | 1138       | -          | -          |
| 11    | 2                   | 12             | 78.8               | 1784       | 1604       | -          |
| 12    | 3                   | 12             | 87.5               | 1511       | 1712       | 1683       |
| 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: 5510MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 10             | 54.1               | 1415       | -          | -          |
| 2     | 1                   | 10             | 50.7               | 1221       | -          | -          |
| 3     | 1                   | 10             | 52.3               | 1974       | -          | -          |
| 4     | 3                   | 10             | 99.8               | 1558       | 1696       | 1949       |
| 5     | 2                   | 10             | 68.4               | 1014       | 1099       | -          |
| 6     | 2                   | 10             | 80.8               | 1736       | 1505       | -          |
| 7     | 1                   | 10             | 62.5               | 1778       | -          | -          |
| 8     | 2                   | 10             | 74.8               | 1149       | 1204       | -          |
| 9     | 1                   | 10             | 50.8               | 1049       | -          | -          |
| 10    | 1                   | 10             | 54                 | 1417       | -          | -          |
| 11    | 1                   | 10             | 63                 | 1730       | -          | -          |
| 12    | 3                   | 10             | 91.8               | 1143       | 1270       | 1347       |
| 13    | 2                   | 10             | 79.3               | 1274       | 1992       | -          |
| 14    | 1                   | 10             | 64.3               | 1937       | -          | -          |
| 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: 5510MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 19          | 63.4            | 1043       | -          | -          |
| 2     | 1                | 19          | 52              | 1863       | -          | -          |
| 3     | 3                | 19          | 97.2            | 1973       | 1605       | 1583       |
| 4     | 2                | 19          | 78.7            | 1466       | 1743       | -          |
| 5     | 2                | 19          | 74.2            | 1280       | 1219       | -          |
| 6     | 3                | 19          | 88.7            | 1293       | 1934       | 1273       |
| 7     | 1                | 19          | 54.3            | 1991       | -          | -          |
| 8     | 3                | 19          | 95.4            | 1580       | 1555       | 1791       |
| 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: 5497.28MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 73.7            | 1208       | 1497       | -          |
| 2     | 3                | 16          | 97.4            | 1942       | 1754       | 1613       |
| 3     | 3                | 16          | 91.7            | 1999       | 1702       | 1462       |
| 4     | 1                | 16          | 66.2            | 1393       | -          | -          |
| 5     | 2                | 16          | 70.8            | 1968       | 1821       | -          |
| 6     | 1                | 16          | 52.3            | 1740       | -          | -          |
| 7     | 2                | 16          | 78.9            | 1308       | 1984       | -          |
| 8     | 2                | 16          | 70.9            | 1050       | 1358       | -          |
| 9     | 2                | 16          | 75.6            | 1437       | 1430       | -          |
| 10    | 1                | 16          | 59.1            | 1697       | -          | -          |
| 11    | 2                | 16          | 77              | 1397       | 1304       | -          |
| 12    | 2                | 16          | 67.9            | 1803       | 1083       | -          |
| 13    | 2                | 16          | 81.2            | 1720       | 1932       | -          |
| 14    | 2                | 16          | 78.7            | 1247       | 1121       | -          |
| 15    | 1                | 16          | 63.3            | 1634       | -          | -          |
| 16    | 2                | 16          | 68.9            | 1849       | 1423       | -          |
| 17    | 1                | 16          | 59.3            | 1093       | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498.48MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 98.9            | 1381       | 1680       | 1488       |
| 2     | 2                | 19          | 82.3            | 1716       | 1855       | -          |
| 3     | 3                | 19          | 86.7            | 1211       | 1400       | 1919       |
| 4     | 3                | 19          | 89.7            | 1861       | 1068       | 1282       |
| 5     | 3                | 19          | 98.6            | 1507       | 1194       | 1461       |
| 6     | 2                | 19          | 71.1            | 1921       | 1789       | -          |
| 7     | 1                | 19          | 55.9            | 1947       | -          | -          |
| 8     | 2                | 19          | 67.9            | 1350       | 1372       | -          |
| 9     | 3                | 19          | 84.4            | 1203       | 1107       | 1443       |
| 10    | 1                | 19          | 58.8            | 1715       | -          | -          |
| 11    | 1                | 19          | 65.6            | 1017       | -          | -          |
| 12    | 2                | 19          | 78.5            | 1911       | 1704       | -          |
| 13    | 2                | 19          | 82.3            | 1845       | 1686       | -          |
| 14    | 3                | 19          | 90.1            | 1938       | 1071       | 1266       |
| 15    | 3                | 19          | 90.2            | 1989       | 1089       | 1950       |
| 16    | 2                | 19          | 83.1            | 1943       | 1406       | -          |
| 17    | 1                | 19          | 58.8            | 1742       | -          | -          |
| 18    | 2                | 19          | 77              | 1187       | 1657       | -          |
| 19    | 1                | 19          | 55              | 1012       | -          | -          |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chrip Center Frequency: 5496.08MHz

| Burst | Pulses<br>per Burst | Chrip<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 13             | 58.1               | 1929       | -          | -          |
| 2     | 1                   | 13             | 52.1               | 1910       | -          | -          |
| 3     | 1                   | 13             | 59.9               | 1971       | -          | -          |
| 4     | 1                   | 13             | 60.2               | 1812       | -          | -          |
| 5     | 3                   | 13             | 95.9               | 1399       | 1906       | 1608       |
| 6     | 2                   | 13             | 79.9               | 1626       | 1859       | -          |
| 7     | 2                   | 13             | 78.5               | 1238       | 1917       | -          |
| 8     | 1                   | 13             | 53.8               | 1763       | -          | -          |
| 9     | 1                   | 13             | 64.7               | 1800       | -          | -          |
| 10    | 1                   | 13             | 61.4               | 1390       | -          | -          |
| 11    | 2                   | 13             | 83.2               | 1692       | 1858       | -          |
| 12    | 3                   | 13             | 84.7               | 1533       | 1677       | 1638       |
| 13    | 3                   | 13             | 88.7               | 1703       | 1528       | 1058       |
| 14    | 2                   | 13             | 78.3               | 1258       | 1951       | -          |
| 15    | 2                   | 13             | 69.3               | 1731       | 1717       | -          |
| 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: 5494.88MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 10             | 75.3               | 1994       | 1612       | -          |
| 2     | 1                   | 10             | 56.3               | 1456       | -          | -          |
| 3     | 2                   | 10             | 67.7               | 1617       | 1185       | -          |
| 4     | 1                   | 10             | 55.6               | 1337       | -          | -          |
| 5     | 2                   | 10             | 75.2               | 1421       | 1267       | -          |
| 6     | 2                   | 10             | 76.3               | 1359       | 1305       | -          |
| 7     | 3                   | 10             | 85.7               | 1547       | 1362       | 1924       |
| 8     | 3                   | 10             | 98.4               | 1873       | 1550       | 1249       |
| 9     | 3                   | 10             | 86.4               | 1779       | 1439       | 1046       |
| 10    | 3                   | 10             | 93.6               | 1059       | 1031       | 1452       |
| 11    | 1                   | 10             | 63.3               | 1328       | -          | -          |
| 12    | 3                   | 10             | 92.4               | 1412       | 1673       | 1322       |
| 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: 5498.08MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 18          | 93.3            | 1983       | 1912       | 1535       |
| 2     | 2                | 18          | 69.1            | 1102       | 1794       | -          |
| 3     | 3                | 18          | 86.9            | 1044       | 1152       | 1148       |
| 4     | 3                | 18          | 84.9            | 1894       | 1948       | 1118       |
| 5     | 2                | 18          | 72.3            | 1094       | 1916       | -          |
| 6     | 1                | 18          | 51.7            | 1447       | -          | -          |
| 7     | 1                | 18          | 58.3            | 1429       | -          | -          |
| 8     | 1                | 18          | 60.8            | 1979       | -          | -          |
| 9     | 1                | 18          | 57.1            | 1641       | -          | -          |
| 10    | 3                | 18          | 88.9            | 1886       | 1964       | 1489       |
| 11    | 2                | 18          | 72              | 1909       | 1297       | -          |
| 12    | 3                | 18          | 90.9            | 1261       | 1566       | 1370       |
| 13    | 1                | 18          | 59.8            | 1552       | -          | -          |
| 14    | 2                | 18          | 70              | 1759       | 1291       | -          |
| 15    | 2                | 18          | 67.2            | 1625       | 1881       | -          |
| 16    | 3                | 18          | 91.2            | 1382       | 1832       | 1661       |
| 17    | 1                | 18          | 56.5            | 1483       | -          | -          |
| 18    | 1                | 18          | 51.2            | 1237       | -          | -          |
| 19    | 2                | 18          | 74.1            | 1471       | 1245       | -          |
| 20    |                  |             |                 |            |            |            |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chrip Center Frequency: 5495.68MHz

| Burst | Pulses per Burst | Chrip (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 12          | 76.9            | 1110       | 1140       | -          |
| 2     | 1                | 12          | 50.2            | 1316       | -          | -          |
| 3     | 1                | 12          | 62.9            | 1520       | -          | -          |
| 4     | 1                | 12          | 64.7            | 1902       | -          | -          |
| 5     | 3                | 12          | 83.8            | 1410       | 1097       | 1621       |
| 6     | 1                | 12          | 65.4            | 1944       | -          | -          |
| 7     | 1                | 12          | 53.2            | 1024       | -          | -          |
| 8     | 1                | 12          | 51.7            | 1603       | -          | -          |
| 9     | 2                | 12          | 78.7            | 1804       | 1168       | -          |
| 10    | 2                | 12          | 72.4            | 1030       | 1343       | -          |
| 11    | 1                | 12          | 53.8            | 1327       | -          | -          |
| 12    | 2                | 12          | 73.6            | 1524       | 1553       | -          |
| 13    | 2                | 12          | 66.7            | 1722       | 1122       | -          |
| 14    | 2                | 12          | 82.5            | 1404       | 1019       | -          |
| 15    |                  |             |                 |            |            |            |
| 16    |                  |             |                 |            |            |            |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chrip Center Frequency: 5498.88MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 20             | 87.6               | 1565       | 1055       | 1840       |
| 2     | 3                   | 20             | 85.2               | 1735       | 1541       | 1408       |
| 3     | 3                   | 20             | 84.8               | 1534       | 1889       | 1463       |
| 4     | 2                   | 20             | 77.9               | 1749       | 1460       | -          |
| 5     | 2                   | 20             | 76.5               | 1518       | 1485       | -          |
| 6     | 1                   | 20             | 60.9               | 1540       | -          | -          |
| 7     | 2                   | 20             | 83                 | 1080       | 1010       | -          |
| 8     | 2                   | 20             | 80.4               | 1824       | 1752       | -          |
| 9     | 2                   | 20             | 67.5               | 1764       | 1181       | -          |
| 10    | 1                   | 20             | 62.1               | 1495       | -          | -          |
| 11    | 3                   | 20             | 86.4               | 1773       | 1966       | 1263       |
| 12    | 3                   | 20             | 84.3               | 1593       | 1188       | 1788       |
| 13    | 2                   | 20             | 76.9               | 1226       | 1537       | -          |
| 14    | 3                   | 20             | 95.8               | 1192       | 1298       | 1844       |
| 15    | 1                   | 20             | 55.2               | 1644       | -          | -          |
| 16    | 1                   | 20             | 59                 | 1402       | -          | -          |
| 17    | 3                   | 20             | 94.5               | 1296       | 1700       | 1283       |
| 18    | 3                   | 20             | 91.9               | 1970       | 1978       | 1165       |
| 19    | 3                   | 20             | 85.2               | 1732       | 1551       | 1189       |
| 20    | 2                   | 20             | 69.5               | 1038       | 1224       | -          |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5494.88MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 10             | 86.4               | 1259       | 1918       | 1455       |
| 2     | 3                   | 10             | 92.2               | 1598       | 1719       | 1895       |
| 3     | 2                   | 10             | 80.4               | 1816       | 1899       | -          |
| 4     | 1                   | 10             | 54.3               | 1335       | -          | -          |
| 5     | 1                   | 10             | 53.1               | 1303       | -          | -          |
| 6     | 2                   | 10             | 69.4               | 1503       | 1546       | -          |
| 7     | 2                   | 10             | 69.1               | 1279       | 1639       | -          |
| 8     | 3                   | 10             | 100                | 1375       | 1438       | 1595       |
| 9     | 2                   | 10             | 79.6               | 1239       | 1705       | -          |
| 10    | 3                   | 10             | 88.4               | 1374       | 1579       | 1623       |
| 11    | 1                   | 10             | 53.3               | 1016       | -          | -          |
| 12    | 1                   | 10             | 65.3               | 1709       | -          | -          |
| 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

Chrip Center Frequency: 5495.68MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 12             | 55.3               | 1920       | -          | -          |
| 2     | 1                   | 12             | 58.3               | 1797       | -          | -          |
| 3     | 2                   | 12             | 72.3               | 1610       | 1039       | -          |
| 4     | 3                   | 12             | 84.8               | 1131       | 1761       | 1721       |
| 5     | 2                   | 12             | 82.5               | 1875       | 1431       | -          |
| 6     | 1                   | 12             | 63.3               | 1095       | -          | -          |
| 7     | 2                   | 12             | 80                 | 1119       | 1913       | -          |
| 8     | 3                   | 12             | 90.3               | 1660       | 1853       | 1123       |
| 9     | 3                   | 12             | 91.1               | 1539       | 1783       | 1172       |
| 10    | 3                   | 12             | 96.6               | 1525       | 1036       | 1385       |
| 11    | 2                   | 12             | 82.7               | 1710       | 1990       | -          |
| 12    | 1                   | 12             | 50.7               | 1234       | -          | -          |
| 13    | 2                   | 12             | 78.4               | 1047       | 1109       | -          |
| 14    | 3                   | 12             | 99.5               | 1299       | 1965       | 1869       |
| 15    |                     |                |                    |            |            |            |
| 16    |                     |                |                    |            |            |            |
| 17    |                     |                |                    |            |            |            |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 12

Chrip Center Frequency: 5494.88MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 10             | 88.6               | 1501       | 1067       | 1927       |
| 2     | 1                   | 10             | 57.4               | 1723       | -          | -          |
| 3     | 3                   | 10             | 96.6               | 1086       | 1658       | 1324       |
| 4     | 2                   | 10             | 69.7               | 1751       | 1945       | -          |
| 5     | 2                   | 10             | 77.9               | 1642       | 1317       | -          |
| 6     | 1                   | 10             | 62                 | 1866       | -          | -          |
| 7     | 3                   | 10             | 88.4               | 1997       | 1077       | 1366       |
| 8     | 3                   | 10             | 97.3               | 1790       | 1896       | 1367       |
| 9     | 3                   | 10             | 96.2               | 1391       | 1787       | 1672       |
| 10    | 3                   | 10             | 95.4               | 1020       | 1892       | 1414       |
| 11    | 1                   | 10             | 54.8               | 1084       | -          | -          |
| 12    | 2                   | 10             | 80.4               | 1850       | 1436       | -          |
| 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: 5523.14MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 15             | 74.7               | 1619       | 1611       | -          |
| 2     | 1                   | 15             | 57.1               | 1560       | -          | -          |
| 3     | 3                   | 15             | 91.9               | 1392       | 1475       | 1276       |
| 4     | 2                   | 15             | 83.1               | 1809       | 1772       | -          |
| 5     | 1                   | 15             | 50.7               | 1003       | -          | -          |
| 6     | 2                   | 15             | 79.2               | 1574       | 1600       | -          |
| 7     | 1                   | 15             | 58.7               | 1186       | -          | -          |
| 8     | 2                   | 15             | 71                 | 1521       | 1567       | -          |
| 9     | 2                   | 15             | 79                 | 1777       | 1960       | -          |
| 10    | 2                   | 15             | 68.5               | 1284       | 1428       | -          |
| 11    | 2                   | 15             | 73.5               | 1904       | 1352       | -          |
| 12    | 2                   | 15             | 70.5               | 1864       | 1115       | -          |
| 13    | 2                   | 15             | 76.6               | 1045       | 1300       | -          |
| 14    | 2                   | 15             | 81.2               | 1160       | 1675       | -          |
| 15    | 1                   | 15             | 61.8               | 1277       | -          | -          |
| 16    | 3                   | 15             | 94.9               | 1450       | 1206       | 1860       |
| 17    |                     |                |                    |            |            |            |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5525.54MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 9              | 78.5               | 1653       | 1698       | -          |
| 2     | 3                   | 9              | 89.8               | 1174       | 1962       | 1167       |
| 3     | 1                   | 9              | 59.4               | 1982       | -          | -          |
| 4     | 2                   | 9              | 79.6               | 1633       | 1890       | -          |
| 5     | 2                   | 9              | 76                 | 1112       | 1811       | -          |
| 6     | 1                   | 9              | 53.6               | 1144       | -          | -          |
| 7     | 2                   | 9              | 80.9               | 1220       | 1053       | -          |
| 8     | 1                   | 9              | 61.6               | 1724       | -          | -          |
| 9     | 1                   | 9              | 53.4               | 1901       | -          | -          |
| 10    | 1                   | 9              | 59.9               | 1379       | -          | -          |
| 11    | 1                   | 9              | 60.4               | 1453       | -          | -          |
| 12    | 3                   | 9              | 91.4               | 1768       | 1726       | 1227       |
| 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: 5521.14MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 20          | 77              | 1191       | 1363       | -          |
| 2     | 1                | 20          | 58.1            | 1248       | -          | -          |
| 3     | 1                | 20          | 62.1            | 1836       | -          | -          |
| 4     | 2                | 20          | 76.9            | 1334       | 1236       | -          |
| 5     | 2                | 20          | 80              | 1914       | 1852       | -          |
| 6     | 1                | 20          | 52              | 1701       | -          | -          |
| 7     | 3                | 20          | 88.6            | 1693       | 1995       | 1905       |
| 8     | 2                | 20          | 72.9            | 1922       | 1387       | -          |
| 9     | 3                | 20          | 98.5            | 1839       | 1746       | 1389       |
| 10    | 1                | 20          | 57.9            | 1193       | -          | -          |
| 11    | 3                | 20          | 95.9            | 1659       | 1870       | 1066       |
| 12    | 1                | 20          | 53.5            | 1162       | -          | -          |
| 13    | 3                | 20          | 92              | 1745       | 1654       | 1458       |
| 14    | 1                | 20          | 57.3            | 1834       | -          | -          |
| 15    | 2                | 20          | 70.5            | 1684       | 1586       | -          |
| 16    | 2                | 20          | 70              | 1042       | 1664       | -          |
| 17    | 3                | 20          | 84              | 1765       | 1630       | 1176       |
| 18    | 2                | 20          | 76.1            | 1557       | 1057       | -          |
| 19    | 3                | 20          | 93.2            | 1985       | 1018       | 1340       |
| 20    | 3                | 20          | 96.8            | 1760       | 1614       | 1817       |



### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chirp Center Frequency: 5524.34MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 12             | 50.1               | 1841       | -          | -          |
| 2     | 3                   | 12             | 93.5               | 1590       | 1081       | 1413       |
| 3     | 2                   | 12             | 68.8               | 1707       | 1577       | -          |
| 4     | 1                   | 12             | 56.3               | 1056       | -          | -          |
| 5     | 3                   | 12             | 86                 | 1953       | 1108       | 1987       |
| 6     | 2                   | 12             | 75.2               | 1572       | 1536       | -          |
| 7     | 1                   | 12             | 54.4               | 1517       | -          | -          |
| 8     | 2                   | 12             | 71.1               | 1329       | 1243       | -          |
| 9     | 2                   | 12             | 76.2               | 1940       | 1770       | -          |
| 10    | 2                   | 12             | 80.2               | 1098       | 1209       | -          |
| 11    | 2                   | 12             | 79.7               | 1588       | 1214       | -          |
| 12    | 3                   | 12             | 90.9               | 1615       | 1862       | 1601       |
| 13    | 2                   | 12             | 68.7               | 1377       | 1441       | -          |
| 14    | 2                   | 12             | 67.4               | 1872       | 1313       | -          |
| 15    |                     |                |                    |            |            |            |
| 16    |                     |                |                    |            |            |            |
| 17    |                     |                |                    |            |            |            |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 13

Chrip Center Frequency: 5524.74MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 11             | 94                 | 1643       | 1748       | 1941       |
| 2     | 2                   | 11             | 70.8               | 1177       | 1201       | -          |
| 3     | 1                   | 11             | 56.3               | 1006       | -          | -          |
| 4     | 3                   | 11             | 96.7               | 1230       | 1163       | 1332       |
| 5     | 3                   | 11             | 90.6               | 1217       | 1582       | 1498       |
| 6     | 2                   | 11             | 74.5               | 1569       | 1281       | -          |
| 7     | 3                   | 11             | 92.6               | 1065       | 1669       | 1222       |
| 8     | 3                   | 11             | 89                 | 1493       | 1135       | 1380       |
| 9     | 3                   | 11             | 96.5               | 1607       | 1822       | 1602       |
| 10    | 2                   | 11             | 70.5               | 1141       | 1178       | -          |
| 11    | 3                   | 11             | 94                 | 1009       | 1629       | 1956       |
| 12    | 1                   | 11             | 55.8               | 1290       | -          | -          |
| 13    | 3                   | 11             | 87.7               | 1435       | 1963       | 1164       |
| 14    |                     |                |                    |            |            |            |
| 15    |                     |                |                    |            |            |            |
| 16    |                     |                |                    |            |            |            |
| 17    |                     |                |                    |            |            |            |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chrip Center Frequency: 5527.14MHz

| Burst | Pulses<br>per Burst | Chrip<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 5              | 68.6               | 1306       | 1161       | -          |
| 2     | 2                   | 5              | 83.1               | 1420       | 1315       | -          |
| 3     | 1                   | 5              | 60.9               | 1687       | -          | -          |
| 4     | 2                   | 5              | 77.7               | 1776       | 1158       | -          |
| 5     | 2                   | 5              | 77.4               | 1793       | 1510       | -          |
| 6     | 2                   | 5              | 66.8               | 1576       | 1323       | -          |
| 7     | 1                   | 5              | 63.7               | 1333       | -          | -          |
| 8     | 3                   | 5              | 91.2               | 1409       | 1681       | 1275       |
| 9     |                     |                |                    |            |            |            |
| 10    |                     |                |                    |            |            |            |
| 11    |                     |                |                    |            |            |            |
| 12    |                     |                |                    |            |            |            |
| 13    |                     |                |                    |            |            |            |
| 14    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chrip Center Frequency: 5522.74MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 16             | 83.6               | 1632       | 1195       | 1000       |
| 2     | 3                   | 16             | 89.4               | 1173       | 1627       | 1656       |
| 3     | 1                   | 16             | 55.8               | 1532       | -          | -          |
| 4     | 3                   | 16             | 90.9               | 1981       | 1554       | 1998       |
| 5     | 1                   | 16             | 54.7               | 1825       | -          | -          |
| 6     | 3                   | 16             | 97.7               | 1734       | 1202       | 1250       |
| 7     | 2                   | 16             | 67.5               | 1571       | 1434       | -          |
| 8     | 3                   | 16             | 96.7               | 1589       | 1469       | 1268       |
| 9     | 2                   | 16             | 68.3               | 1750       | 1954       | -          |
| 10    | 2                   | 16             | 78.3               | 1591       | 1082       | -          |
| 11    | 1                   | 16             | 55                 | 1427       | -          | -          |
| 12    | 3                   | 16             | 84.9               | 1129       | 1936       | 1199       |
| 13    | 2                   | 16             | 74.6               | 1959       | 1856       | -          |
| 14    | 1                   | 16             | 63.3               | 1885       | -          | -          |
| 15    | 3                   | 16             | 99.8               | 1035       | 1515       | 1120       |
| 16    | 1                   | 16             | 63.6               | 1647       | -          | -          |
| 17    | 3                   | 16             | 87.3               | 1931       | 1051       | 1831       |
| 18    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5521.54MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 19          | 85.6            | 1946       | 1078       | 1015       |
| 2     | 2                | 19          | 68.6            | 1029       | 1780       | -          |
| 3     | 1                | 19          | 54.2            | 1111       | -          | -          |
| 4     | 1                | 19          | 61.2            | 1104       | -          | -          |
| 5     | 3                | 19          | 97.1            | 1157       | 1969       | 1100       |
| 6     | 3                | 19          | 98.3            | 1142       | 1699       | 1622       |
| 7     | 1                | 19          | 62.4            | 1655       | -          | -          |
| 8     | 2                | 19          | 80.2            | 1126       | 1769       | -          |
| 9     | 3                | 19          | 87.5            | 1216       | 1448       | 1179       |
| 10    | 3                | 19          | 85.8            | 1847       | 1348       | 1472       |
| 11    | 3                | 19          | 88.1            | 1023       | 1124       | 1631       |
| 12    | 1                | 19          | 65.3            | 1848       | -          | -          |
| 13    | 1                | 19          | 52.5            | 1470       | -          | -          |
| 14    | 1                | 19          | 52.3            | 1312       | -          | -          |
| 15    | 2                | 19          | 74.1            | 1915       | 1200       | -          |
| 16    | 1                | 19          | 54.9            | 1479       | -          | -          |
| 17    | 2                | 19          | 76.2            | 1376       | 1502       | -          |
| 18    | 1                | 19          | 60.4            | 1758       | -          | -          |
| 19    | 2                | 19          | 81.5            | 1491       | 1103       | -          |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chrip Center Frequency: 5525.14MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 10             | 50.5               | 1857       | -          | -          |
| 2     | 1                   | 10             | 55.7               | 1246       | -          | -          |
| 3     | 3                   | 10             | 85.8               | 1774       | 1002       | 1967       |
| 4     | 2                   | 10             | 76.9               | 1125       | 1474       | -          |
| 5     | 2                   | 10             | 75.1               | 1254       | 1052       | -          |
| 6     | 3                   | 10             | 92.3               | 1180       | 1486       | 1492       |
| 7     | 2                   | 10             | 78.1               | 1301       | 1757       | -          |
| 8     | 3                   | 10             | 92.2               | 1898       | 1252       | 1713       |
| 9     | 3                   | 10             | 89                 | 1260       | 1706       | 1411       |
| 10    | 2                   | 10             | 70.9               | 1578       | 1620       | -          |
| 11    | 1                   | 10             | 63.1               | 1782       | -          | -          |
| 12    | 1                   | 10             | 55.3               | 1522       | -          | -          |
| 13    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5522.34MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 17          | 83.4            | 1454       | 1205       | 1801       |
| 2     | 3                | 17          | 97.3            | 1319       | 1826       | 1635       |
| 3     | 3                | 17          | 90.4            | 1079       | 1986       | 1674       |
| 4     | 3                | 17          | 91.8            | 1563       | 1151       | 1802       |
| 5     | 3                | 17          | 98.2            | 1876       | 1977       | 1766       |
| 6     | 1                | 17          | 59.5            | 1952       | -          | -          |
| 7     | 2                | 17          | 80              | 1253       | 1137       | -          |
| 8     | 3                | 17          | 86.5            | 1054       | 1128       | 1828       |
| 9     | 3                | 17          | 91.1            | 1105       | 1599       | 1442       |
| 10    | 3                | 17          | 93.5            | 1867       | 1373       | 1087       |
| 11    | 1                | 17          | 60.7            | 1033       | -          | -          |
| 12    | 2                | 17          | 67.2            | 1288       | 1405       | -          |
| 13    | 1                | 17          | 61.8            | 1585       | -          | -          |
| 14    | 2                | 17          | 79.4            | 1933       | 1667       | -          |
| 15    | 2                | 17          | 81.4            | 1096       | 1464       | -          |
| 16    | 1                | 17          | 65.7            | 1496       | -          | -          |
| 17    | 2                | 17          | 76              | 1733       | 1255       | -          |
| 18    | 2                | 17          | 81              | 1326       | 1668       | -          |

### 802.11ax (HE80)

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 15

Chirp Center Frequency: 5530MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 8           | 77.8            | 1665       | 1477       | -          |
| 2     | 1                | 8           | 51.9            | 1074       | -          | -          |
| 3     | 1                | 8           | 63.8            | 1584       | -          | -          |
| 4     | 3                | 8           | 96.6            | 1682       | 1786       | 1843       |
| 5     | 3                | 8           | 85.9            | 1795       | 1215       | 1729       |
| 6     | 2                | 8           | 73.7            | 1198       | 1549       | -          |
| 7     | 2                | 8           | 77.2            | 1837       | 1819       | -          |
| 8     | 2                | 8           | 68.4            | 1587       | 1114       | -          |
| 9     | 2                | 8           | 76.7            | 2000       | 1155       | -          |
| 10    | 1                | 8           | 53.2            | 1147       | -          | -          |
| 11    | 3                | 8           | 85.7            | 1433       | 1695       | 1394       |
| 12    | 3                | 8           | 94.3            | 1670       | 1426       | 1935       |
| 13    | 2                | 8           | 77.6            | 1294       | 1671       | -          |
| 14    | 1                | 8           | 65.7            | 1512       | -          | -          |
| 15    | 3                | 8           | 93.5            | 1444       | 1130       | 1468       |
| 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: 5530MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 14          | 75              | 1880       | 1527       | -          |
| 2     | 3                | 14          | 99.4            | 1401       | 1262       | 1257       |
| 3     | 2                | 14          | 67.4            | 1531       | 1403       | -          |
| 4     | 2                | 14          | 73.6            | 1449       | 1041       | -          |
| 5     | 1                | 14          | 65.9            | 1432       | -          | -          |
| 6     | 3                | 14          | 83.8            | 1356       | 1292       | 1419       |
| 7     | 1                | 14          | 65.5            | 1543       | -          | -          |
| 8     | 3                | 14          | 98.6            | 1548       | 1796       | 1728       |
| 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: 5530MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 73.8            | 1806       | 1538       | -          |
| 2     | 2                | 5           | 69.5            | 1117       | 1649       | -          |
| 3     | 1                | 5           | 51.9            | 1651       | -          | -          |
| 4     | 3                | 5           | 84.6            | 1976       | 1032       | 1271       |
| 5     | 3                | 5           | 95.4            | 1060       | 1903       | 1388       |
| 6     | 2                | 5           | 68              | 1368       | 1351       | -          |
| 7     | 3                | 5           | 89.6            | 1338       | 1514       | 1573       |
| 8     | 2                | 5           | 81.9            | 1022       | 1689       | -          |
| 9     | 3                | 5           | 88.3            | 1810       | 1330       | 1838       |
| 10    | 1                | 5           | 53.7            | 1597       | -          | -          |
| 11    | 3                | 5           | 91.3            | 1961       | 1106       | 1001       |
| 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: 5530MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 16          | 68.1            | 1339       | 1355       | -          |
| 2     | 1                | 16          | 58.7            | 1251       | -          | -          |
| 3     | 2                | 16          | 75.3            | 1136       | 1640       | -          |
| 4     | 1                | 16          | 56.4            | 1753       | -          | -          |
| 5     | 3                | 16          | 99.7            | 1196       | 1708       | 1159       |
| 6     | 1                | 16          | 57.7            | 1013       | -          | -          |
| 7     | 1                | 16          | 59.5            | 1072       | -          | -          |
| 8     | 2                | 16          | 80              | 1482       | 1369       | -          |
| 9     | 2                | 16          | 82              | 1993       | 1197       | -          |
| 10    | 2                | 16          | 82.8            | 1883       | 1005       | -          |
| 11    | 3                | 16          | 88              | 1061       | 1928       | 1101       |
| 12    | 3                | 16          | 93.2            | 1207       | 1907       | 1223       |
| 13    | 2                | 16          | 70.4            | 1526       | 1360       | -          |
| 14    | 3                | 16          | 95.3            | 1171       | 1955       | 1775       |
| 15    | 2                | 16          | 81.9            | 1690       | 1545       | -          |
| 16    | 3                | 16          | 98.5            | 1975       | 1169       | 1062       |
| 17    | 1                | 16          | 65              | 1767       | -          | -          |
| 18    | 3                | 16          | 85.4            | 1011       | 1637       | 1425       |
| 19    | 3                | 16          | 91.6            | 1878       | 1445       | 1325       |
| 20    | 2                | 16          | 67.3            | 1091       | 1218       | -          |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 17

Chirp Center Frequency: 5530MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 17             | 67.9               | 1320       | 1133       | -          |
| 2     | 1                   | 17             | 62.3               | 1957       | -          | -          |
| 3     | 1                   | 17             | 53.3               | 1592       | -          | -          |
| 4     | 3                   | 17             | 90                 | 1900       | 1153       | 1346       |
| 5     | 2                   | 17             | 77.1               | 1166       | 1646       | -          |
| 6     | 3                   | 17             | 83.9               | 1278       | 1232       | 1459       |
| 7     | 3                   | 17             | 89.1               | 1240       | 1384       | 1939       |
| 8     | 2                   | 17             | 81.8               | 1833       | 1676       | -          |
| 9     | 1                   | 17             | 50.3               | 1075       | -          | -          |
| 10    | 3                   | 17             | 87.1               | 1116       | 1996       | 1756       |
| 11    | 2                   | 17             | 71.3               | 1225       | 1815       | -          |
| 12    | 3                   | 17             | 97.5               | 1884       | 1465       | 1132       |
| 13    | 3                   | 17             | 90.6               | 1561       | 1040       | 1354       |
| 14    | 3                   | 17             | 86.3               | 1596       | 1183       | 1792       |
| 15    | 3                   | 17             | 97.6               | 1365       | 1073       | 1361       |
| 16    | 3                   | 17             | 84.7               | 1021       | 1718       | 1854       |
| 17    | 3                   | 17             | 99.7               | 1150       | 1244       | 1988       |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5530MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 14          | 92.9            | 1085       | 1564       | 1407       |
| 2     | 2                | 14          | 67.7            | 1744       | 1747       | -          |
| 3     | 1                | 14          | 65.8            | 1092       | -          | -          |
| 4     | 1                | 14          | 56.3            | 1851       | -          | -          |
| 5     | 1                | 14          | 53.7            | 1727       | -          | -          |
| 6     | 3                | 14          | 83.5            | 1679       | 1930       | 1025       |
| 7     | 1                | 14          | 65.8            | 1519       | -          | -          |
| 8     | 3                | 14          | 85.9            | 1134       | 1034       | 1808       |
| 9     | 2                | 14          | 76.3            | 1606       | 1926       | -          |
| 10    | 2                | 14          | 81.5            | 1891       | 1714       | -          |
| 11    | 3                | 14          | 89.4            | 1310       | 1594       | 1827       |
| 12    | 1                | 14          | 63.4            | 1568       | -          | -          |
| 13    | 2                | 14          | 69.6            | 1307       | 1925       | -          |
| 14    | 2                | 14          | 74.5            | 1264       | 1846       | -          |
| 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: 5530MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 14             | 96.6               | 1182       | 1609       | 1581       |
| 2     | 3                   | 14             | 96.7               | 1829       | 1799       | 1154       |
| 3     | 3                   | 14             | 86.5               | 1923       | 1396       | 1865       |
| 4     | 2                   | 14             | 73.3               | 1908       | 1318       | -          |
| 5     | 1                   | 14             | 55.8               | 1688       | -          | -          |
| 6     | 1                   | 14             | 55.4               | 1145       | -          | -          |
| 7     | 3                   | 14             | 85.3               | 1336       | 1504       | 1820       |
| 8     | 2                   | 14             | 79.4               | 1344       | 1893       | -          |
| 9     | 1                   | 14             | 65.7               | 1476       | -          | -          |
| 10    | 2                   | 14             | 68.6               | 1008       | 1028       | -          |
| 11    | 2                   | 14             | 77.7               | 1972       | 1835       | -          |
| 12    | 2                   | 14             | 79.6               | 1882       | 1331       | -          |
| 13    | 3                   | 14             | 94.9               | 1830       | 1070       | 1349       |
| 14    | 1                   | 14             | 61.4               | 1451       | -          | -          |
| 15    | 3                   | 14             | 90.6               | 1233       | 1562       | 1887       |
| 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: 5530MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 17             | 52.6               | 1210       | -          | -          |
| 2     | 3                   | 17             | 84.1               | 1314       | 1725       | 1529       |
| 3     | 3                   | 17             | 97.7               | 1139       | 1868       | 1805       |
| 4     | 3                   | 17             | 97.3               | 1341       | 1446       | 1755       |
| 5     | 3                   | 17             | 98.8               | 1544       | 1386       | 1302       |
| 6     | 2                   | 17             | 72.2               | 1771       | 1184       | -          |
| 7     | 2                   | 17             | 67.6               | 1175       | 1027       | -          |
| 8     | 2                   | 17             | 75.7               | 1026       | 1871       | -          |
| 9     | 1                   | 17             | 60.9               | 1798       | -          | -          |
| 10    | 1                   | 17             | 64.2               | 1138       | -          | -          |
| 11    | 2                   | 17             | 78.8               | 1784       | 1604       | -          |
| 12    | 3                   | 17             | 87.5               | 1511       | 1712       | 1683       |
| 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: 5530MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 8           | 54.1            | 1415       | -          | -          |
| 2     | 1                | 8           | 50.7            | 1221       | -          | -          |
| 3     | 1                | 8           | 52.3            | 1974       | -          | -          |
| 4     | 3                | 8           | 99.8            | 1558       | 1696       | 1949       |
| 5     | 2                | 8           | 68.4            | 1014       | 1099       | -          |
| 6     | 2                | 8           | 80.8            | 1736       | 1505       | -          |
| 7     | 1                | 8           | 62.5            | 1778       | -          | -          |
| 8     | 2                | 8           | 74.8            | 1149       | 1204       | -          |
| 9     | 1                | 8           | 50.8            | 1049       | -          | -          |
| 10    | 1                | 8           | 54              | 1417       | -          | -          |
| 11    | 1                | 8           | 63              | 1730       | -          | -          |
| 12    | 3                | 8           | 91.8            | 1143       | 1270       | 1347       |
| 13    | 2                | 8           | 79.3            | 1274       | 1992       | -          |
| 14    | 1                | 8           | 64.3            | 1937       | -          | -          |
| 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: 5530MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 11             | 63.4               | 1043       | -          | -          |
| 2     | 1                   | 11             | 52                 | 1863       | -          | -          |
| 3     | 3                   | 11             | 97.2               | 1973       | 1605       | 1583       |
| 4     | 2                   | 11             | 78.7               | 1466       | 1743       | -          |
| 5     | 2                   | 11             | 74.2               | 1280       | 1219       | -          |
| 6     | 3                   | 11             | 88.7               | 1293       | 1934       | 1273       |
| 7     | 1                   | 11             | 54.3               | 1991       | -          | -          |
| 8     | 3                   | 11             | 95.4               | 1580       | 1555       | 1791       |
| 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: 5498.85MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 19          | 73.7            | 1208       | 1497       | -          |
| 2     | 3                | 19          | 97.4            | 1942       | 1754       | 1613       |
| 3     | 3                | 19          | 91.7            | 1999       | 1702       | 1462       |
| 4     | 1                | 19          | 66.2            | 1393       | -          | -          |
| 5     | 2                | 19          | 70.8            | 1968       | 1821       | -          |
| 6     | 1                | 19          | 52.3            | 1740       | -          | -          |
| 7     | 2                | 19          | 78.9            | 1308       | 1984       | -          |
| 8     | 2                | 19          | 70.9            | 1050       | 1358       | -          |
| 9     | 2                | 19          | 75.6            | 1437       | 1430       | -          |
| 10    | 1                | 19          | 59.1            | 1697       | -          | -          |
| 11    | 2                | 19          | 77              | 1397       | 1304       | -          |
| 12    | 2                | 19          | 67.9            | 1803       | 1083       | -          |
| 13    | 2                | 19          | 81.2            | 1720       | 1932       | -          |
| 14    | 2                | 19          | 78.7            | 1247       | 1121       | -          |
| 15    | 1                | 19          | 63.3            | 1634       | -          | -          |
| 16    | 2                | 19          | 68.9            | 1849       | 1423       | -          |
| 17    | 1                | 19          | 59.3            | 1093       | -          | -          |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 19

Chirp Center Frequency: 5496.05MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 12          | 98.9            | 1381       | 1680       | 1488       |
| 2     | 2                | 12          | 82.3            | 1716       | 1855       | -          |
| 3     | 3                | 12          | 86.7            | 1211       | 1400       | 1919       |
| 4     | 3                | 12          | 89.7            | 1861       | 1068       | 1282       |
| 5     | 3                | 12          | 98.6            | 1507       | 1194       | 1461       |
| 6     | 2                | 12          | 71.1            | 1921       | 1789       | -          |
| 7     | 1                | 12          | 55.9            | 1947       | -          | -          |
| 8     | 2                | 12          | 67.9            | 1350       | 1372       | -          |
| 9     | 3                | 12          | 84.4            | 1203       | 1107       | 1443       |
| 10    | 1                | 12          | 58.8            | 1715       | -          | -          |
| 11    | 1                | 12          | 65.6            | 1017       | -          | -          |
| 12    | 2                | 12          | 78.5            | 1911       | 1704       | -          |
| 13    | 2                | 12          | 82.3            | 1845       | 1686       | -          |
| 14    | 3                | 12          | 90.1            | 1938       | 1071       | 1266       |
| 15    | 3                | 12          | 90.2            | 1989       | 1089       | 1950       |
| 16    | 2                | 12          | 83.1            | 1943       | 1406       | -          |
| 17    | 1                | 12          | 58.8            | 1742       | -          | -          |
| 18    | 2                | 12          | 77              | 1187       | 1657       | -          |
| 19    | 1                | 12          | 55              | 1012       | -          | -          |
| 20    |                  |             |                 |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 15

Chirp Center Frequency: 5498.45MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 18             | 58.1               | 1929       | -          | -          |
| 2     | 1                   | 18             | 52.1               | 1910       | -          | -          |
| 3     | 1                   | 18             | 59.9               | 1971       | -          | -          |
| 4     | 1                   | 18             | 60.2               | 1812       | -          | -          |
| 5     | 3                   | 18             | 95.9               | 1399       | 1906       | 1608       |
| 6     | 2                   | 18             | 79.9               | 1626       | 1859       | -          |
| 7     | 2                   | 18             | 78.5               | 1238       | 1917       | -          |
| 8     | 1                   | 18             | 53.8               | 1763       | -          | -          |
| 9     | 1                   | 18             | 64.7               | 1800       | -          | -          |
| 10    | 1                   | 18             | 61.4               | 1390       | -          | -          |
| 11    | 2                   | 18             | 83.2               | 1692       | 1858       | -          |
| 12    | 3                   | 18             | 84.7               | 1533       | 1677       | 1638       |
| 13    | 3                   | 18             | 88.7               | 1703       | 1528       | 1058       |
| 14    | 2                   | 18             | 78.3               | 1258       | 1951       | -          |
| 15    | 2                   | 18             | 69.3               | 1731       | 1717       | -          |
| 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: 5494.05MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 7              | 75.3               | 1994       | 1612       | -          |
| 2     | 1                   | 7              | 56.3               | 1456       | -          | -          |
| 3     | 2                   | 7              | 67.7               | 1617       | 1185       | -          |
| 4     | 1                   | 7              | 55.6               | 1337       | -          | -          |
| 5     | 2                   | 7              | 75.2               | 1421       | 1267       | -          |
| 6     | 2                   | 7              | 76.3               | 1359       | 1305       | -          |
| 7     | 3                   | 7              | 85.7               | 1547       | 1362       | 1924       |
| 8     | 3                   | 7              | 98.4               | 1873       | 1550       | 1249       |
| 9     | 3                   | 7              | 86.4               | 1779       | 1439       | 1046       |
| 10    | 3                   | 7              | 93.6               | 1059       | 1031       | 1452       |
| 11    | 1                   | 7              | 63.3               | 1328       | -          | -          |
| 12    | 3                   | 7              | 92.4               | 1412       | 1673       | 1322       |
| 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: 5494.85MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 9           | 93.3            | 1983       | 1912       | 1535       |
| 2     | 2                | 9           | 69.1            | 1102       | 1794       | -          |
| 3     | 3                | 9           | 86.9            | 1044       | 1152       | 1148       |
| 4     | 3                | 9           | 84.9            | 1894       | 1948       | 1118       |
| 5     | 2                | 9           | 72.3            | 1094       | 1916       | -          |
| 6     | 1                | 9           | 51.7            | 1447       | -          | -          |
| 7     | 1                | 9           | 58.3            | 1429       | -          | -          |
| 8     | 1                | 9           | 60.8            | 1979       | -          | -          |
| 9     | 1                | 9           | 57.1            | 1641       | -          | -          |
| 10    | 3                | 9           | 88.9            | 1886       | 1964       | 1489       |
| 11    | 2                | 9           | 72              | 1909       | 1297       | -          |
| 12    | 3                | 9           | 90.9            | 1261       | 1566       | 1370       |
| 13    | 1                | 9           | 59.8            | 1552       | -          | -          |
| 14    | 2                | 9           | 70              | 1759       | 1291       | -          |
| 15    | 2                | 9           | 67.2            | 1625       | 1881       | -          |
| 16    | 3                | 9           | 91.2            | 1382       | 1832       | 1661       |
| 17    | 1                | 9           | 56.5            | 1483       | -          | -          |
| 18    | 1                | 9           | 51.2            | 1237       | -          | -          |
| 19    | 2                | 9           | 74.1            | 1471       | 1245       | -          |
| 20    |                  |             |                 |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5497.25MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 15          | 76.9            | 1110       | 1140       | -          |
| 2     | 1                | 15          | 50.2            | 1316       | -          | -          |
| 3     | 1                | 15          | 62.9            | 1520       | -          | -          |
| 4     | 1                | 15          | 64.7            | 1902       | -          | -          |
| 5     | 3                | 15          | 83.8            | 1410       | 1097       | 1621       |
| 6     | 1                | 15          | 65.4            | 1944       | -          | -          |
| 7     | 1                | 15          | 53.2            | 1024       | -          | -          |
| 8     | 1                | 15          | 51.7            | 1603       | -          | -          |
| 9     | 2                | 15          | 78.7            | 1804       | 1168       | -          |
| 10    | 2                | 15          | 72.4            | 1030       | 1343       | -          |
| 11    | 1                | 15          | 53.8            | 1327       | -          | -          |
| 12    | 2                | 15          | 73.6            | 1524       | 1553       | -          |
| 13    | 2                | 15          | 66.7            | 1722       | 1122       | -          |
| 14    | 2                | 15          | 82.5            | 1404       | 1019       | -          |
| 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: 5497.25MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 15          | 87.6            | 1565       | 1055       | 1840       |
| 2     | 3                | 15          | 85.2            | 1735       | 1541       | 1408       |
| 3     | 3                | 15          | 84.8            | 1534       | 1889       | 1463       |
| 4     | 2                | 15          | 77.9            | 1749       | 1460       | -          |
| 5     | 2                | 15          | 76.5            | 1518       | 1485       | -          |
| 6     | 1                | 15          | 60.9            | 1540       | -          | -          |
| 7     | 2                | 15          | 83              | 1080       | 1010       | -          |
| 8     | 2                | 15          | 80.4            | 1824       | 1752       | -          |
| 9     | 2                | 15          | 67.5            | 1764       | 1181       | -          |
| 10    | 1                | 15          | 62.1            | 1495       | -          | -          |
| 11    | 3                | 15          | 86.4            | 1773       | 1966       | 1263       |
| 12    | 3                | 15          | 84.3            | 1593       | 1188       | 1788       |
| 13    | 2                | 15          | 76.9            | 1226       | 1537       | -          |
| 14    | 3                | 15          | 95.8            | 1192       | 1298       | 1844       |
| 15    | 1                | 15          | 55.2            | 1644       | -          | -          |
| 16    | 1                | 15          | 59              | 1402       | -          | -          |
| 17    | 3                | 15          | 94.5            | 1296       | 1700       | 1283       |
| 18    | 3                | 15          | 91.9            | 1970       | 1978       | 1165       |
| 19    | 3                | 15          | 85.2            | 1732       | 1551       | 1189       |
| 20    | 2                | 15          | 69.5            | 1038       | 1224       | -          |



### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5496.85MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 14             | 86.4               | 1259       | 1918       | 1455       |
| 2     | 3                   | 14             | 92.2               | 1598       | 1719       | 1895       |
| 3     | 2                   | 14             | 80.4               | 1816       | 1899       | -          |
| 4     | 1                   | 14             | 54.3               | 1335       | -          | -          |
| 5     | 1                   | 14             | 53.1               | 1303       | -          | -          |
| 6     | 2                   | 14             | 69.4               | 1503       | 1546       | -          |
| 7     | 2                   | 14             | 69.1               | 1279       | 1639       | -          |
| 8     | 3                   | 14             | 100                | 1375       | 1438       | 1595       |
| 9     | 2                   | 14             | 79.6               | 1239       | 1705       | -          |
| 10    | 3                   | 14             | 88.4               | 1374       | 1579       | 1623       |
| 11    | 1                   | 14             | 53.3               | 1016       | -          | -          |
| 12    | 1                   | 14             | 65.3               | 1709       | -          | -          |
| 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: 5498.85MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 19             | 55.3               | 1920       | -          | -          |
| 2     | 1                   | 19             | 58.3               | 1797       | -          | -          |
| 3     | 2                   | 19             | 72.3               | 1610       | 1039       | -          |
| 4     | 3                   | 19             | 84.8               | 1131       | 1761       | 1721       |
| 5     | 2                   | 19             | 82.5               | 1875       | 1431       | -          |
| 6     | 1                   | 19             | 63.3               | 1095       | -          | -          |
| 7     | 2                   | 19             | 80                 | 1119       | 1913       | -          |
| 8     | 3                   | 19             | 90.3               | 1660       | 1853       | 1123       |
| 9     | 3                   | 19             | 91.1               | 1539       | 1783       | 1172       |
| 10    | 3                   | 19             | 96.6               | 1525       | 1036       | 1385       |
| 11    | 2                   | 19             | 82.7               | 1710       | 1990       | -          |
| 12    | 1                   | 19             | 50.7               | 1234       | -          | -          |
| 13    | 2                   | 19             | 78.4               | 1047       | 1109       | -          |
| 14    | 3                   | 19             | 99.5               | 1299       | 1965       | 1869       |
| 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: 5498.05MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 17             | 88.6               | 1501       | 1067       | 1927       |
| 2     | 1                   | 17             | 57.4               | 1723       | -          | -          |
| 3     | 3                   | 17             | 96.6               | 1086       | 1658       | 1324       |
| 4     | 2                   | 17             | 69.7               | 1751       | 1945       | -          |
| 5     | 2                   | 17             | 77.9               | 1642       | 1317       | -          |
| 6     | 1                   | 17             | 62                 | 1866       | -          | -          |
| 7     | 3                   | 17             | 88.4               | 1997       | 1077       | 1366       |
| 8     | 3                   | 17             | 97.3               | 1790       | 1896       | 1367       |
| 9     | 3                   | 17             | 96.2               | 1391       | 1787       | 1672       |
| 10    | 3                   | 17             | 95.4               | 1020       | 1892       | 1414       |
| 11    | 1                   | 17             | 54.8               | 1084       | -          | -          |
| 12    | 2                   | 17             | 80.4               | 1850       | 1436       | -          |
| 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: 5566.59MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 74.7            | 1619       | 1611       | -          |
| 2     | 1                | 5           | 57.1            | 1560       | -          | -          |
| 3     | 3                | 5           | 91.9            | 1392       | 1475       | 1276       |
| 4     | 2                | 5           | 83.1            | 1809       | 1772       | -          |
| 5     | 1                | 5           | 50.7            | 1003       | -          | -          |
| 6     | 2                | 5           | 79.2            | 1574       | 1600       | -          |
| 7     | 1                | 5           | 58.7            | 1186       | -          | -          |
| 8     | 2                | 5           | 71              | 1521       | 1567       | -          |
| 9     | 2                | 5           | 79              | 1777       | 1960       | -          |
| 10    | 2                | 5           | 68.5            | 1284       | 1428       | -          |
| 11    | 2                | 5           | 73.5            | 1904       | 1352       | -          |
| 12    | 2                | 5           | 70.5            | 1864       | 1115       | -          |
| 13    | 2                | 5           | 76.6            | 1045       | 1300       | -          |
| 14    | 2                | 5           | 81.2            | 1160       | 1675       | -          |
| 15    | 1                | 5           | 61.8            | 1277       | -          | -          |
| 16    | 3                | 5           | 94.9            | 1450       | 1206       | 1860       |
| 17    |                  |             |                 |            |            |            |
| 18    |                  |             |                 |            |            |            |
| 19    |                  |             |                 |            |            |            |
| 20    |                  |             |                 |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chirp Center Frequency: 5566.59MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 5           | 78.5            | 1653       | 1698       | -          |
| 2     | 3                | 5           | 89.8            | 1174       | 1962       | 1167       |
| 3     | 1                | 5           | 59.4            | 1982       | -          | -          |
| 4     | 2                | 5           | 79.6            | 1633       | 1890       | -          |
| 5     | 2                | 5           | 76              | 1112       | 1811       | -          |
| 6     | 1                | 5           | 53.6            | 1144       | -          | -          |
| 7     | 2                | 5           | 80.9            | 1220       | 1053       | -          |
| 8     | 1                | 5           | 61.6            | 1724       | -          | -          |
| 9     | 1                | 5           | 53.4            | 1901       | -          | -          |
| 10    | 1                | 5           | 59.9            | 1379       | -          | -          |
| 11    | 1                | 5           | 60.4            | 1453       | -          | -          |
| 12    | 3                | 5           | 91.4            | 1768       | 1726       | 1227       |
| 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: 5563.39MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 2                | 13          | 77              | 1191       | 1363       | -          |
| 2     | 1                | 13          | 58.1            | 1248       | -          | -          |
| 3     | 1                | 13          | 62.1            | 1836       | -          | -          |
| 4     | 2                | 13          | 76.9            | 1334       | 1236       | -          |
| 5     | 2                | 13          | 80              | 1914       | 1852       | -          |
| 6     | 1                | 13          | 52              | 1701       | -          | -          |
| 7     | 3                | 13          | 88.6            | 1693       | 1995       | 1905       |
| 8     | 2                | 13          | 72.9            | 1922       | 1387       | -          |
| 9     | 3                | 13          | 98.5            | 1839       | 1746       | 1389       |
| 10    | 1                | 13          | 57.9            | 1193       | -          | -          |
| 11    | 3                | 13          | 95.9            | 1659       | 1870       | 1066       |
| 12    | 1                | 13          | 53.5            | 1162       | -          | -          |
| 13    | 3                | 13          | 92              | 1745       | 1654       | 1458       |
| 14    | 1                | 13          | 57.3            | 1834       | -          | -          |
| 15    | 2                | 13          | 70.5            | 1684       | 1586       | -          |
| 16    | 2                | 13          | 70              | 1042       | 1664       | -          |
| 17    | 3                | 13          | 84              | 1765       | 1630       | 1176       |
| 18    | 2                | 13          | 76.1            | 1557       | 1057       | -          |
| 19    | 3                | 13          | 93.2            | 1985       | 1018       | 1340       |
| 20    | 3                | 13          | 96.8            | 1760       | 1614       | 1817       |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 14

Chrip Center Frequency: 5565.79MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 1                   | 7              | 50.1               | 1841       | -          | -          |
| 2     | 3                   | 7              | 93.5               | 1590       | 1081       | 1413       |
| 3     | 2                   | 7              | 68.8               | 1707       | 1577       | -          |
| 4     | 1                   | 7              | 56.3               | 1056       | -          | -          |
| 5     | 3                   | 7              | 86                 | 1953       | 1108       | 1987       |
| 6     | 2                   | 7              | 75.2               | 1572       | 1536       | -          |
| 7     | 1                   | 7              | 54.4               | 1517       | -          | -          |
| 8     | 2                   | 7              | 71.1               | 1329       | 1243       | -          |
| 9     | 2                   | 7              | 76.2               | 1940       | 1770       | -          |
| 10    | 2                   | 7              | 80.2               | 1098       | 1209       | -          |
| 11    | 2                   | 7              | 79.7               | 1588       | 1214       | -          |
| 12    | 3                   | 7              | 90.9               | 1615       | 1862       | 1601       |
| 13    | 2                   | 7              | 68.7               | 1377       | 1441       | -          |
| 14    | 2                   | 7              | 67.4               | 1872       | 1313       | -          |
| 15    |                     |                |                    |            |            |            |
| 16    |                     |                |                    |            |            |            |
| 17    |                     |                |                    |            |            |            |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 13

Chrip Center Frequency: 5562.99MHz

| Burst | Pulses<br>per Burst | Chrip<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 14             | 94                 | 1643       | 1748       | 1941       |
| 2     | 2                   | 14             | 70.8               | 1177       | 1201       | -          |
| 3     | 1                   | 14             | 56.3               | 1006       | -          | -          |
| 4     | 3                   | 14             | 96.7               | 1230       | 1163       | 1332       |
| 5     | 3                   | 14             | 90.6               | 1217       | 1582       | 1498       |
| 6     | 2                   | 14             | 74.5               | 1569       | 1281       | -          |
| 7     | 3                   | 14             | 92.6               | 1065       | 1669       | 1222       |
| 8     | 3                   | 14             | 89                 | 1493       | 1135       | 1380       |
| 9     | 3                   | 14             | 96.5               | 1607       | 1822       | 1602       |
| 10    | 2                   | 14             | 70.5               | 1141       | 1178       | -          |
| 11    | 3                   | 14             | 94                 | 1009       | 1629       | 1956       |
| 12    | 1                   | 14             | 55.8               | 1290       | -          | -          |
| 13    | 3                   | 14             | 87.7               | 1435       | 1963       | 1164       |
| 14    |                     |                |                    |            |            |            |
| 15    |                     |                |                    |            |            |            |
| 16    |                     |                |                    |            |            |            |
| 17    |                     |                |                    |            |            |            |
| 18    |                     |                |                    |            |            |            |
| 19    |                     |                |                    |            |            |            |
| 20    |                     |                |                    |            |            |            |



### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 8

Chrip Center Frequency: 5564.59MHz

| Burst | Pulses<br>per Burst | Chrip<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 2                   | 10             | 68.6               | 1306       | 1161       | -          |
| 2     | 2                   | 10             | 83.1               | 1420       | 1315       | -          |
| 3     | 1                   | 10             | 60.9               | 1687       | -          | -          |
| 4     | 2                   | 10             | 77.7               | 1776       | 1158       | -          |
| 5     | 2                   | 10             | 77.4               | 1793       | 1510       | -          |
| 6     | 2                   | 10             | 66.8               | 1576       | 1323       | -          |
| 7     | 1                   | 10             | 63.7               | 1333       | -          | -          |
| 8     | 3                   | 10             | 91.2               | 1409       | 1681       | 1275       |
| 9     |                     |                |                    |            |            |            |
| 10    |                     |                |                    |            |            |            |
| 11    |                     |                |                    |            |            |            |
| 12    |                     |                |                    |            |            |            |
| 13    |                     |                |                    |            |            |            |
| 14    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 17

Chirp Center Frequency: 5562.59MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 3                | 15          | 83.6            | 1632       | 1195       | 1000       |
| 2     | 3                | 15          | 89.4            | 1173       | 1627       | 1656       |
| 3     | 1                | 15          | 55.8            | 1532       | -          | -          |
| 4     | 3                | 15          | 90.9            | 1981       | 1554       | 1998       |
| 5     | 1                | 15          | 54.7            | 1825       | -          | -          |
| 6     | 3                | 15          | 97.7            | 1734       | 1202       | 1250       |
| 7     | 2                | 15          | 67.5            | 1571       | 1434       | -          |
| 8     | 3                | 15          | 96.7            | 1589       | 1469       | 1268       |
| 9     | 2                | 15          | 68.3            | 1750       | 1954       | -          |
| 10    | 2                | 15          | 78.3            | 1591       | 1082       | -          |
| 11    | 1                | 15          | 55              | 1427       | -          | -          |
| 12    | 3                | 15          | 84.9            | 1129       | 1936       | 1199       |
| 13    | 2                | 15          | 74.6            | 1959       | 1856       | -          |
| 14    | 1                | 15          | 63.3            | 1885       | -          | -          |
| 15    | 3                | 15          | 99.8            | 1035       | 1515       | 1120       |
| 16    | 1                | 15          | 63.6            | 1647       | -          | -          |
| 17    | 3                | 15          | 87.3            | 1931       | 1051       | 1831       |
| 18    |                  |             |                 |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 19

Chirp Center Frequency: 5564.99MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 9              | 85.6               | 1946       | 1078       | 1015       |
| 2     | 2                   | 9              | 68.6               | 1029       | 1780       | -          |
| 3     | 1                   | 9              | 54.2               | 1111       | -          | -          |
| 4     | 1                   | 9              | 61.2               | 1104       | -          | -          |
| 5     | 3                   | 9              | 97.1               | 1157       | 1969       | 1100       |
| 6     | 3                   | 9              | 98.3               | 1142       | 1699       | 1622       |
| 7     | 1                   | 9              | 62.4               | 1655       | -          | -          |
| 8     | 2                   | 9              | 80.2               | 1126       | 1769       | -          |
| 9     | 3                   | 9              | 87.5               | 1216       | 1448       | 1179       |
| 10    | 3                   | 9              | 85.8               | 1847       | 1348       | 1472       |
| 11    | 3                   | 9              | 88.1               | 1023       | 1124       | 1631       |
| 12    | 1                   | 9              | 65.3               | 1848       | -          | -          |
| 13    | 1                   | 9              | 52.5               | 1470       | -          | -          |
| 14    | 1                   | 9              | 52.3               | 1312       | -          | -          |
| 15    | 2                   | 9              | 74.1               | 1915       | 1200       | -          |
| 16    | 1                   | 9              | 54.9               | 1479       | -          | -          |
| 17    | 2                   | 9              | 76.2               | 1376       | 1502       | -          |
| 18    | 1                   | 9              | 60.4               | 1758       | -          | -          |
| 19    | 2                   | 9              | 81.5               | 1491       | 1103       | -          |
| 20    |                     |                |                    |            |            |            |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chirp Center Frequency: 5566.59MHz

| Burst | Pulses per Burst | Chirp (MHz) | Pulse Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------|-----------------|------------|------------|------------|
| 1     | 1                | 5           | 50.5            | 1857       | -          | -          |
| 2     | 1                | 5           | 55.7            | 1246       | -          | -          |
| 3     | 3                | 5           | 85.8            | 1774       | 1002       | 1967       |
| 4     | 2                | 5           | 76.9            | 1125       | 1474       | -          |
| 5     | 2                | 5           | 75.1            | 1254       | 1052       | -          |
| 6     | 3                | 5           | 92.3            | 1180       | 1486       | 1492       |
| 7     | 2                | 5           | 78.1            | 1301       | 1757       | -          |
| 8     | 3                | 5           | 92.2            | 1898       | 1252       | 1713       |
| 9     | 3                | 5           | 89              | 1260       | 1706       | 1411       |
| 10    | 2                | 5           | 70.9            | 1578       | 1620       | -          |
| 11    | 1                | 5           | 63.1            | 1782       | -          | -          |
| 12    | 1                | 5           | 55.3            | 1522       | -          | -          |
| 13    |                  |             |                 |            |            |            |

### Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 18

Chirp Center Frequency: 5564.59MHz

| Burst | Pulses<br>per Burst | Chirp<br>(MHz) | Pulse<br>Width(us) | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------|--------------------|------------|------------|------------|
| 1     | 3                   | 10             | 83.4               | 1454       | 1205       | 1801       |
| 2     | 3                   | 10             | 97.3               | 1319       | 1826       | 1635       |
| 3     | 3                   | 10             | 90.4               | 1079       | 1986       | 1674       |
| 4     | 3                   | 10             | 91.8               | 1563       | 1151       | 1802       |
| 5     | 3                   | 10             | 98.2               | 1876       | 1977       | 1766       |
| 6     | 1                   | 10             | 59.5               | 1952       | -          | -          |
| 7     | 2                   | 10             | 80                 | 1253       | 1137       | -          |
| 8     | 3                   | 10             | 86.5               | 1054       | 1128       | 1828       |
| 9     | 3                   | 10             | 91.1               | 1105       | 1599       | 1442       |
| 10    | 3                   | 10             | 93.5               | 1867       | 1373       | 1087       |
| 11    | 1                   | 10             | 60.7               | 1033       | -          | -          |
| 12    | 2                   | 10             | 67.2               | 1288       | 1405       | -          |
| 13    | 1                   | 10             | 61.8               | 1585       | -          | -          |
| 14    | 2                   | 10             | 79.4               | 1933       | 1667       | -          |
| 15    | 2                   | 10             | 81.4               | 1096       | 1464       | -          |
| 16    | 1                   | 10             | 65.7               | 1496       | -          | -          |
| 17    | 2                   | 10             | 76                 | 1733       | 1255       | -          |
| 18    | 2                   | 10             | 81                 | 1326       | 1668       | -          |

## A.2 The Frequency Hopping Radar pattern

### 802.11ax (HE20)

Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_01

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.505           | 2    | 5.674           | 3    | 5.257           | 4    | 5.690           |
| 5    | 5.520           | 6    | 5.262           | 7    | 5.356           | 8    | 5.439           |
| 9    | 5.685           | 10   | 5.332           | 11   | 5.720           | 12   | 5.579           |
| 13   | 5.313           | 14   | 5.383           | 15   | 5.697           | 16   | 5.318           |
| 17   | 5.695           | 18   | 5.461           | 19   | 5.719           | 20   | 5.606           |
| 21   | 5.533           | 22   | 5.287           | 23   | 5.675           | 24   | 5.540           |
| 25   | 5.604           | 26   | 5.591           | 27   | 5.564           | 28   | 5.612           |
| 29   | 5.399           | 30   | 5.593           | 31   | 5.600           | 32   | 5.478           |
| 33   | 5.667           | 34   | 5.434           | 35   | 5.299           | 36   | 5.387           |
| 37   | 5.319           | 38   | 5.376           | 39   | 5.710           | 40   | 5.581           |
| 41   | 5.624           | 42   | 5.302           | 43   | 5.406           | 44   | 5.272           |
| 45   | 5.531           | 46   | 5.298           | 47   | 5.303           | 48   | 5.265           |
| 49   | 5.688           | 50   | 5.372           | 51   | 5.699           | 52   | 5.550           |
| 53   | 5.336           | 54   | 5.308           | 55   | 5.565           | 56   | 5.269           |
| 57   | 5.635           | 58   | 5.650           | 59   | 5.357           | 60   | 5.462           |
| 61   | 5.389           | 62   | 5.626           | 63   | 5.411           | 64   | 5.386           |
| 65   | 5.665           | 66   | 5.481           | 67   | 5.354           | 68   | 5.267           |
| 69   | 5.279           | 70   | 5.558           | 71   | 5.578           | 72   | 5.647           |
| 73   | 5.717           | 74   | 5.382           | 75   | 5.297           | 76   | 5.601           |
| 77   | 5.630           | 78   | 5.603           | 79   | 5.676           | 80   | 5.657           |
| 81   | 5.608           | 82   | 5.329           | 83   | 5.388           | 84   | 5.602           |
| 85   | 5.549           | 86   | 5.451           | 87   | 5.709           | 88   | 5.716           |
| 89   | 5.643           | 90   | 5.285           | 91   | 5.377           | 92   | 5.443           |
| 93   | 5.535           | 94   | 5.584           | 95   | 5.506           | 96   | 5.723           |
| 97   | 5.507           | 98   | 5.712           | 99   | 5.680           | 100  | 5.724           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_02

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.350           | 2    | 5.673           | 3    | 5.251           | 4    | 5.286           |
| 5    | 5.699           | 6    | 5.714           | 7    | 5.500           | 8    | 5.265           |
| 9    | 5.299           | 10   | 5.455           | 11   | 5.359           | 12   | 5.611           |
| 13   | 5.487           | 14   | 5.448           | 15   | 5.663           | 16   | 5.373           |
| 17   | 5.269           | 18   | 5.614           | 19   | 5.439           | 20   | 5.385           |
| 21   | 5.680           | 22   | 5.603           | 23   | 5.363           | 24   | 5.341           |
| 25   | 5.303           | 26   | 5.504           | 27   | 5.576           | 28   | 5.584           |
| 29   | 5.632           | 30   | 5.535           | 31   | 5.402           | 32   | 5.597           |
| 33   | 5.308           | 34   | 5.566           | 35   | 5.689           | 36   | 5.301           |
| 37   | 5.494           | 38   | 5.400           | 39   | 5.513           | 40   | 5.691           |
| 41   | 5.553           | 42   | 5.343           | 43   | 5.532           | 44   | 5.520           |
| 45   | 5.664           | 46   | 5.718           | 47   | 5.612           | 48   | 5.444           |
| 49   | 5.452           | 50   | 5.588           | 51   | 5.307           | 52   | 5.422           |
| 53   | 5.662           | 54   | 5.275           | 55   | 5.583           | 56   | 5.578           |
| 57   | 5.595           | 58   | 5.479           | 59   | 5.410           | 60   | 5.693           |
| 61   | 5.465           | 62   | 5.312           | 63   | 5.268           | 64   | 5.629           |
| 65   | 5.671           | 66   | 5.284           | 67   | 5.406           | 68   | 5.624           |
| 69   | 5.300           | 70   | 5.568           | 71   | 5.318           | 72   | 5.711           |
| 73   | 5.330           | 74   | 5.399           | 75   | 5.694           | 76   | 5.631           |
| 77   | 5.416           | 78   | 5.723           | 79   | 5.637           | 80   | 5.339           |
| 81   | 5.252           | 82   | 5.703           | 83   | 5.654           | 84   | 5.538           |
| 85   | 5.478           | 86   | 5.482           | 87   | 5.474           | 88   | 5.407           |
| 89   | 5.279           | 90   | 5.316           | 91   | 5.592           | 92   | 5.627           |
| 93   | 5.594           | 94   | 5.633           | 95   | 5.380           | 96   | 5.598           |
| 97   | 5.533           | 98   | 5.446           | 99   | 5.526           | 100  | 5.555           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_03

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.501           | 2    | 5.592           | 3    | 5.263           | 4    | 5.484           |
| 5    | 5.549           | 6    | 5.346           | 7    | 5.361           | 8    | 5.576           |
| 9    | 5.264           | 10   | 5.700           | 11   | 5.623           | 12   | 5.324           |
| 13   | 5.640           | 14   | 5.669           | 15   | 5.344           | 16   | 5.579           |
| 17   | 5.703           | 18   | 5.585           | 19   | 5.382           | 20   | 5.601           |
| 21   | 5.364           | 22   | 5.296           | 23   | 5.524           | 24   | 5.532           |
| 25   | 5.546           | 26   | 5.555           | 27   | 5.710           | 28   | 5.644           |
| 29   | 5.465           | 30   | 5.456           | 31   | 5.526           | 32   | 5.627           |
| 33   | 5.621           | 34   | 5.717           | 35   | 5.667           | 36   | 5.652           |
| 37   | 5.659           | 38   | 5.498           | 39   | 5.478           | 40   | 5.386           |
| 41   | 5.654           | 42   | 5.508           | 43   | 5.716           | 44   | 5.599           |
| 45   | 5.408           | 46   | 5.427           | 47   | 5.306           | 48   | 5.402           |
| 49   | 5.337           | 50   | 5.464           | 51   | 5.712           | 52   | 5.358           |
| 53   | 5.278           | 54   | 5.680           | 55   | 5.365           | 56   | 5.442           |
| 57   | 5.432           | 58   | 5.538           | 59   | 5.315           | 60   | 5.587           |
| 61   | 5.342           | 62   | 5.615           | 63   | 5.674           | 64   | 5.563           |
| 65   | 5.668           | 66   | 5.460           | 67   | 5.590           | 68   | 5.542           |
| 69   | 5.685           | 70   | 5.469           | 71   | 5.453           | 72   | 5.429           |
| 73   | 5.504           | 74   | 5.660           | 75   | 5.353           | 76   | 5.616           |
| 77   | 5.417           | 78   | 5.672           | 79   | 5.331           | 80   | 5.393           |
| 81   | 5.449           | 82   | 5.347           | 83   | 5.610           | 84   | 5.706           |
| 85   | 5.314           | 86   | 5.321           | 87   | 5.415           | 88   | 5.724           |
| 89   | 5.392           | 90   | 5.437           | 91   | 5.691           | 92   | 5.407           |
| 93   | 5.625           | 94   | 5.463           | 95   | 5.582           | 96   | 5.646           |
| 97   | 5.622           | 98   | 5.688           | 99   | 5.266           | 100  | 5.428           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_04

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.487           | 2    | 5.498           | 3    | 5.707           | 4    | 5.277           |
| 5    | 5.312           | 6    | 5.447           | 7    | 5.259           | 8    | 5.548           |
| 9    | 5.492           | 10   | 5.699           | 11   | 5.308           | 12   | 5.677           |
| 13   | 5.328           | 14   | 5.520           | 15   | 5.318           | 16   | 5.433           |
| 17   | 5.440           | 18   | 5.294           | 19   | 5.486           | 20   | 5.258           |
| 21   | 5.370           | 22   | 5.405           | 23   | 5.266           | 24   | 5.380           |
| 25   | 5.292           | 26   | 5.590           | 27   | 5.459           | 28   | 5.495           |
| 29   | 5.541           | 30   | 5.564           | 31   | 5.472           | 32   | 5.680           |
| 33   | 5.558           | 34   | 5.319           | 35   | 5.645           | 36   | 5.475           |
| 37   | 5.591           | 38   | 5.375           | 39   | 5.678           | 40   | 5.649           |
| 41   | 5.437           | 42   | 5.674           | 43   | 5.706           | 44   | 5.460           |
| 45   | 5.316           | 46   | 5.636           | 47   | 5.301           | 48   | 5.660           |
| 49   | 5.416           | 50   | 5.284           | 51   | 5.321           | 52   | 5.545           |
| 53   | 5.260           | 54   | 5.353           | 55   | 5.489           | 56   | 5.334           |
| 57   | 5.256           | 58   | 5.600           | 59   | 5.307           | 60   | 5.683           |
| 61   | 5.288           | 62   | 5.637           | 63   | 5.631           | 64   | 5.253           |
| 65   | 5.604           | 66   | 5.709           | 67   | 5.568           | 68   | 5.697           |
| 69   | 5.404           | 70   | 5.508           | 71   | 5.681           | 72   | 5.345           |
| 73   | 5.300           | 74   | 5.497           | 75   | 5.633           | 76   | 5.655           |
| 77   | 5.415           | 78   | 5.333           | 79   | 5.251           | 80   | 5.374           |
| 81   | 5.451           | 82   | 5.443           | 83   | 5.625           | 84   | 5.473           |
| 85   | 5.584           | 86   | 5.338           | 87   | 5.647           | 88   | 5.304           |
| 89   | 5.525           | 90   | 5.542           | 91   | 5.361           | 92   | 5.650           |
| 93   | 5.482           | 94   | 5.666           | 95   | 5.608           | 96   | 5.589           |
| 97   | 5.427           | 98   | 5.384           | 99   | 5.457           | 100  | 5.355           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_05

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.583           | 2    | 5.381           | 3    | 5.662           | 4    | 5.649           |
| 5    | 5.275           | 6    | 5.678           | 7    | 5.287           | 8    | 5.452           |
| 9    | 5.461           | 10   | 5.670           | 11   | 5.279           | 12   | 5.702           |
| 13   | 5.399           | 14   | 5.420           | 15   | 5.479           | 16   | 5.278           |
| 17   | 5.487           | 18   | 5.484           | 19   | 5.320           | 20   | 5.433           |
| 21   | 5.550           | 22   | 5.333           | 23   | 5.573           | 24   | 5.456           |
| 25   | 5.299           | 26   | 5.261           | 27   | 5.263           | 28   | 5.614           |
| 29   | 5.321           | 30   | 5.300           | 31   | 5.391           | 32   | 5.551           |
| 33   | 5.600           | 34   | 5.509           | 35   | 5.718           | 36   | 5.522           |
| 37   | 5.396           | 38   | 5.713           | 39   | 5.457           | 40   | 5.717           |
| 41   | 5.659           | 42   | 5.607           | 43   | 5.536           | 44   | 5.370           |
| 45   | 5.329           | 46   | 5.708           | 47   | 5.534           | 48   | 5.429           |
| 49   | 5.492           | 50   | 5.379           | 51   | 5.653           | 52   | 5.545           |
| 53   | 5.620           | 54   | 5.681           | 55   | 5.546           | 56   | 5.715           |
| 57   | 5.616           | 58   | 5.591           | 59   | 5.508           | 60   | 5.375           |
| 61   | 5.271           | 62   | 5.596           | 63   | 5.500           | 64   | 5.455           |
| 65   | 5.318           | 66   | 5.585           | 67   | 5.336           | 68   | 5.657           |
| 69   | 5.598           | 70   | 5.251           | 71   | 5.512           | 72   | 5.668           |
| 73   | 5.665           | 74   | 5.667           | 75   | 5.682           | 76   | 5.407           |
| 77   | 5.489           | 78   | 5.309           | 79   | 5.490           | 80   | 5.418           |
| 81   | 5.257           | 82   | 5.697           | 83   | 5.719           | 84   | 5.341           |
| 85   | 5.689           | 86   | 5.647           | 87   | 5.568           | 88   | 5.699           |
| 89   | 5.674           | 90   | 5.572           | 91   | 5.619           | 92   | 5.408           |
| 93   | 5.664           | 94   | 5.706           | 95   | 5.360           | 96   | 5.439           |
| 97   | 5.284           | 98   | 5.312           | 99   | 5.367           | 100  | 5.478           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_06

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.493           | 2    | 5.665           | 3    | 5.291           | 4    | 5.553           |
| 5    | 5.367           | 6    | 5.518           | 7    | 5.444           | 8    | 5.350           |
| 9    | 5.338           | 10   | 5.467           | 11   | 5.262           | 12   | 5.629           |
| 13   | 5.439           | 14   | 5.406           | 15   | 5.267           | 16   | 5.293           |
| 17   | 5.384           | 18   | 5.447           | 19   | 5.647           | 20   | 5.716           |
| 21   | 5.583           | 22   | 5.697           | 23   | 5.260           | 24   | 5.609           |
| 25   | 5.465           | 26   | 5.632           | 27   | 5.268           | 28   | 5.593           |
| 29   | 5.611           | 30   | 5.546           | 31   | 5.466           | 32   | 5.478           |
| 33   | 5.653           | 34   | 5.660           | 35   | 5.357           | 36   | 5.454           |
| 37   | 5.605           | 38   | 5.502           | 39   | 5.604           | 40   | 5.703           |
| 41   | 5.637           | 42   | 5.519           | 43   | 5.258           | 44   | 5.601           |
| 45   | 5.516           | 46   | 5.346           | 47   | 5.645           | 48   | 5.638           |
| 49   | 5.418           | 50   | 5.354           | 51   | 5.644           | 52   | 5.456           |
| 53   | 5.682           | 54   | 5.702           | 55   | 5.607           | 56   | 5.503           |
| 57   | 5.396           | 58   | 5.441           | 59   | 5.273           | 60   | 5.548           |
| 61   | 5.314           | 62   | 5.371           | 63   | 5.306           | 64   | 5.360           |
| 65   | 5.691           | 66   | 5.413           | 67   | 5.551           | 68   | 5.485           |
| 69   | 5.495           | 70   | 5.419           | 71   | 5.531           | 72   | 5.492           |
| 73   | 5.499           | 74   | 5.392           | 75   | 5.347           | 76   | 5.497           |
| 77   | 5.692           | 78   | 5.342           | 79   | 5.723           | 80   | 5.356           |
| 81   | 5.484           | 82   | 5.491           | 83   | 5.705           | 84   | 5.563           |
| 85   | 5.394           | 86   | 5.397           | 87   | 5.534           | 88   | 5.269           |
| 89   | 5.471           | 90   | 5.514           | 91   | 5.339           | 92   | 5.640           |
| 93   | 5.332           | 94   | 5.680           | 95   | 5.482           | 96   | 5.488           |
| 97   | 5.429           | 98   | 5.430           | 99   | 5.464           | 100  | 5.295           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_07

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.320           | 2    | 5.390           | 3    | 5.286           | 4    | 5.418           |
| 5    | 5.603           | 6    | 5.488           | 7    | 5.457           | 8    | 5.410           |
| 9    | 5.299           | 10   | 5.545           | 11   | 5.358           | 12   | 5.355           |
| 13   | 5.454           | 14   | 5.277           | 15   | 5.687           | 16   | 5.582           |
| 17   | 5.434           | 18   | 5.475           | 19   | 5.619           | 20   | 5.627           |
| 21   | 5.307           | 22   | 5.317           | 23   | 5.319           | 24   | 5.421           |
| 25   | 5.556           | 26   | 5.541           | 27   | 5.623           | 28   | 5.546           |
| 29   | 5.336           | 30   | 5.578           | 31   | 5.304           | 32   | 5.325           |
| 33   | 5.574           | 34   | 5.382           | 35   | 5.570           | 36   | 5.544           |
| 37   | 5.700           | 38   | 5.571           | 39   | 5.491           | 40   | 5.465           |
| 41   | 5.272           | 42   | 5.536           | 43   | 5.279           | 44   | 5.402           |
| 45   | 5.628           | 46   | 5.595           | 47   | 5.479           | 48   | 5.401           |
| 49   | 5.451           | 50   | 5.356           | 51   | 5.309           | 52   | 5.561           |
| 53   | 5.539           | 54   | 5.685           | 55   | 5.648           | 56   | 5.693           |
| 57   | 5.414           | 58   | 5.679           | 59   | 5.362           | 60   | 5.695           |
| 61   | 5.256           | 62   | 5.283           | 63   | 5.376           | 64   | 5.706           |
| 65   | 5.504           | 66   | 5.441           | 67   | 5.284           | 68   | 5.449           |
| 69   | 5.476           | 70   | 5.462           | 71   | 5.381           | 72   | 5.343           |
| 73   | 5.638           | 74   | 5.689           | 75   | 5.357           | 76   | 5.389           |
| 77   | 5.255           | 78   | 5.303           | 79   | 5.592           | 80   | 5.675           |
| 81   | 5.450           | 82   | 5.611           | 83   | 5.566           | 84   | 5.265           |
| 85   | 5.510           | 86   | 5.724           | 87   | 5.680           | 88   | 5.392           |
| 89   | 5.296           | 90   | 5.605           | 91   | 5.490           | 92   | 5.631           |
| 93   | 5.560           | 94   | 5.612           | 95   | 5.555           | 96   | 5.487           |
| 97   | 5.530           | 98   | 5.327           | 99   | 5.573           | 100  | 5.704           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_08

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.537           | 2    | 5.669           | 3    | 5.683           | 4    | 5.517           |
| 5    | 5.583           | 6    | 5.304           | 7    | 5.607           | 8    | 5.656           |
| 9    | 5.424           | 10   | 5.441           | 11   | 5.256           | 12   | 5.552           |
| 13   | 5.599           | 14   | 5.277           | 15   | 5.349           | 16   | 5.707           |
| 17   | 5.521           | 18   | 5.478           | 19   | 5.612           | 20   | 5.302           |
| 21   | 5.677           | 22   | 5.581           | 23   | 5.300           | 24   | 5.412           |
| 25   | 5.381           | 26   | 5.259           | 27   | 5.637           | 28   | 5.251           |
| 29   | 5.296           | 30   | 5.565           | 31   | 5.306           | 32   | 5.285           |
| 33   | 5.648           | 34   | 5.563           | 35   | 5.452           | 36   | 5.555           |
| 37   | 5.650           | 38   | 5.495           | 39   | 5.503           | 40   | 5.594           |
| 41   | 5.469           | 42   | 5.582           | 43   | 5.307           | 44   | 5.255           |
| 45   | 5.253           | 46   | 5.323           | 47   | 5.676           | 48   | 5.709           |
| 49   | 5.720           | 50   | 5.712           | 51   | 5.679           | 52   | 5.482           |
| 53   | 5.438           | 54   | 5.415           | 55   | 5.268           | 56   | 5.636           |
| 57   | 5.593           | 58   | 5.427           | 59   | 5.383           | 60   | 5.661           |
| 61   | 5.560           | 62   | 5.697           | 63   | 5.675           | 64   | 5.468           |
| 65   | 5.649           | 66   | 5.298           | 67   | 5.651           | 68   | 5.400           |
| 69   | 5.647           | 70   | 5.467           | 71   | 5.329           | 72   | 5.652           |
| 73   | 5.589           | 74   | 5.347           | 75   | 5.628           | 76   | 5.500           |
| 77   | 5.689           | 78   | 5.368           | 79   | 5.611           | 80   | 5.387           |
| 81   | 5.608           | 82   | 5.473           | 83   | 5.575           | 84   | 5.278           |
| 85   | 5.704           | 86   | 5.662           | 87   | 5.342           | 88   | 5.592           |
| 89   | 5.686           | 90   | 5.702           | 91   | 5.624           | 92   | 5.434           |
| 93   | 5.416           | 94   | 5.553           | 95   | 5.576           | 96   | 5.477           |
| 97   | 5.464           | 98   | 5.396           | 99   | 5.386           | 100  | 5.432           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_09

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.349           | 2    | 5.590           | 3    | 5.466           | 4    | 5.546           |
| 5    | 5.530           | 6    | 5.355           | 7    | 5.575           | 8    | 5.709           |
| 9    | 5.350           | 10   | 5.724           | 11   | 5.456           | 12   | 5.682           |
| 13   | 5.625           | 14   | 5.554           | 15   | 5.713           | 16   | 5.477           |
| 17   | 5.432           | 18   | 5.412           | 19   | 5.454           | 20   | 5.402           |
| 21   | 5.357           | 22   | 5.389           | 23   | 5.626           | 24   | 5.717           |
| 25   | 5.282           | 26   | 5.524           | 27   | 5.697           | 28   | 5.264           |
| 29   | 5.467           | 30   | 5.720           | 31   | 5.459           | 32   | 5.313           |
| 33   | 5.640           | 34   | 5.329           | 35   | 5.605           | 36   | 5.427           |
| 37   | 5.295           | 38   | 5.567           | 39   | 5.302           | 40   | 5.635           |
| 41   | 5.278           | 42   | 5.578           | 43   | 5.461           | 44   | 5.700           |
| 45   | 5.455           | 46   | 5.327           | 47   | 5.592           | 48   | 5.275           |
| 49   | 5.632           | 50   | 5.453           | 51   | 5.422           | 52   | 5.300           |
| 53   | 5.721           | 54   | 5.650           | 55   | 5.704           | 56   | 5.380           |
| 57   | 5.403           | 58   | 5.373           | 59   | 5.367           | 60   | 5.372           |
| 61   | 5.492           | 62   | 5.690           | 63   | 5.618           | 64   | 5.540           |
| 65   | 5.508           | 66   | 5.485           | 67   | 5.496           | 68   | 5.548           |
| 69   | 5.512           | 70   | 5.687           | 71   | 5.296           | 72   | 5.676           |
| 73   | 5.499           | 74   | 5.440           | 75   | 5.579           | 76   | 5.604           |
| 77   | 5.608           | 78   | 5.723           | 79   | 5.576           | 80   | 5.703           |
| 81   | 5.433           | 82   | 5.612           | 83   | 5.482           | 84   | 5.583           |
| 85   | 5.633           | 86   | 5.582           | 87   | 5.437           | 88   | 5.521           |
| 89   | 5.601           | 90   | 5.391           | 91   | 5.647           | 92   | 5.393           |
| 93   | 5.419           | 94   | 5.598           | 95   | 5.434           | 96   | 5.597           |
| 97   | 5.446           | 98   | 5.478           | 99   | 5.551           | 100  | 5.621           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_10

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.550           | 2    | 5.265           | 3    | 5.435           | 4    | 5.470           |
| 5    | 5.657           | 6    | 5.490           | 7    | 5.566           | 8    | 5.303           |
| 9    | 5.400           | 10   | 5.263           | 11   | 5.271           | 12   | 5.372           |
| 13   | 5.448           | 14   | 5.659           | 15   | 5.549           | 16   | 5.571           |
| 17   | 5.381           | 18   | 5.398           | 19   | 5.278           | 20   | 5.511           |
| 21   | 5.583           | 22   | 5.333           | 23   | 5.482           | 24   | 5.494           |
| 25   | 5.353           | 26   | 5.668           | 27   | 5.460           | 28   | 5.563           |
| 29   | 5.706           | 30   | 5.421           | 31   | 5.283           | 32   | 5.703           |
| 33   | 5.554           | 34   | 5.503           | 35   | 5.513           | 36   | 5.461           |
| 37   | 5.355           | 38   | 5.341           | 39   | 5.532           | 40   | 5.528           |
| 41   | 5.380           | 42   | 5.698           | 43   | 5.392           | 44   | 5.582           |
| 45   | 5.285           | 46   | 5.425           | 47   | 5.454           | 48   | 5.617           |
| 49   | 5.323           | 50   | 5.281           | 51   | 5.544           | 52   | 5.466           |
| 53   | 5.447           | 54   | 5.420           | 55   | 5.600           | 56   | 5.676           |
| 57   | 5.422           | 58   | 5.638           | 59   | 5.324           | 60   | 5.295           |
| 61   | 5.359           | 62   | 5.483           | 63   | 5.628           | 64   | 5.350           |
| 65   | 5.690           | 66   | 5.389           | 67   | 5.495           | 68   | 5.252           |
| 69   | 5.603           | 70   | 5.688           | 71   | 5.266           | 72   | 5.696           |
| 73   | 5.713           | 74   | 5.649           | 75   | 5.465           | 76   | 5.413           |
| 77   | 5.551           | 78   | 5.615           | 79   | 5.620           | 80   | 5.358           |
| 81   | 5.567           | 82   | 5.442           | 83   | 5.524           | 84   | 5.506           |
| 85   | 5.296           | 86   | 5.597           | 87   | 5.360           | 88   | 5.484           |
| 89   | 5.430           | 90   | 5.407           | 91   | 5.612           | 92   | 5.619           |
| 93   | 5.488           | 94   | 5.631           | 95   | 5.375           | 96   | 5.432           |
| 97   | 5.641           | 98   | 5.342           | 99   | 5.443           | 100  | 5.590           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_11

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.408           | 2    | 5.306           | 3    | 5.263           | 4    | 5.393           |
| 5    | 5.321           | 6    | 5.559           | 7    | 5.525           | 8    | 5.427           |
| 9    | 5.723           | 10   | 5.451           | 11   | 5.696           | 12   | 5.626           |
| 13   | 5.709           | 14   | 5.553           | 15   | 5.257           | 16   | 5.474           |
| 17   | 5.261           | 18   | 5.669           | 19   | 5.462           | 20   | 5.348           |
| 21   | 5.487           | 22   | 5.589           | 23   | 5.625           | 24   | 5.294           |
| 25   | 5.262           | 26   | 5.711           | 27   | 5.362           | 28   | 5.623           |
| 29   | 5.568           | 30   | 5.564           | 31   | 5.666           | 32   | 5.413           |
| 33   | 5.538           | 34   | 5.484           | 35   | 5.641           | 36   | 5.520           |
| 37   | 5.721           | 38   | 5.483           | 39   | 5.659           | 40   | 5.339           |
| 41   | 5.300           | 42   | 5.478           | 43   | 5.563           | 44   | 5.269           |
| 45   | 5.684           | 46   | 5.663           | 47   | 5.252           | 48   | 5.254           |
| 49   | 5.480           | 50   | 5.655           | 51   | 5.521           | 52   | 5.377           |
| 53   | 5.603           | 54   | 5.627           | 55   | 5.314           | 56   | 5.364           |
| 57   | 5.629           | 58   | 5.365           | 59   | 5.351           | 60   | 5.528           |
| 61   | 5.657           | 62   | 5.447           | 63   | 5.270           | 64   | 5.477           |
| 65   | 5.515           | 66   | 5.295           | 67   | 5.268           | 68   | 5.383           |
| 69   | 5.251           | 70   | 5.458           | 71   | 5.320           | 72   | 5.374           |
| 73   | 5.492           | 74   | 5.358           | 75   | 5.357           | 76   | 5.410           |
| 77   | 5.676           | 78   | 5.588           | 79   | 5.414           | 80   | 5.399           |
| 81   | 5.498           | 82   | 5.491           | 83   | 5.604           | 84   | 5.658           |
| 85   | 5.330           | 86   | 5.613           | 87   | 5.317           | 88   | 5.539           |
| 89   | 5.652           | 90   | 5.403           | 91   | 5.675           | 92   | 5.642           |
| 93   | 5.551           | 94   | 5.343           | 95   | 5.460           | 96   | 5.543           |
| 97   | 5.369           | 98   | 5.276           | 99   | 5.532           | 100  | 5.708           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_12

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.603           | 2    | 5.666           | 3    | 5.522           | 4    | 5.502           |
| 5    | 5.678           | 6    | 5.480           | 7    | 5.479           | 8    | 5.281           |
| 9    | 5.364           | 10   | 5.297           | 11   | 5.713           | 12   | 5.316           |
| 13   | 5.476           | 14   | 5.662           | 15   | 5.437           | 16   | 5.710           |
| 17   | 5.561           | 18   | 5.306           | 19   | 5.416           | 20   | 5.463           |
| 21   | 5.268           | 22   | 5.498           | 23   | 5.674           | 24   | 5.313           |
| 25   | 5.549           | 26   | 5.294           | 27   | 5.558           | 28   | 5.637           |
| 29   | 5.583           | 30   | 5.462           | 31   | 5.291           | 32   | 5.492           |
| 33   | 5.452           | 34   | 5.260           | 35   | 5.497           | 36   | 5.535           |
| 37   | 5.586           | 38   | 5.577           | 39   | 5.658           | 40   | 5.470           |
| 41   | 5.424           | 42   | 5.264           | 43   | 5.680           | 44   | 5.347           |
| 45   | 5.619           | 46   | 5.500           | 47   | 5.266           | 48   | 5.411           |
| 49   | 5.272           | 50   | 5.353           | 51   | 5.661           | 52   | 5.317           |
| 53   | 5.696           | 54   | 5.576           | 55   | 5.391           | 56   | 5.376           |
| 57   | 5.442           | 58   | 5.432           | 59   | 5.305           | 60   | 5.461           |
| 61   | 5.398           | 62   | 5.394           | 63   | 5.368           | 64   | 5.283           |
| 65   | 5.624           | 66   | 5.414           | 67   | 5.483           | 68   | 5.458           |
| 69   | 5.329           | 70   | 5.634           | 71   | 5.578           | 72   | 5.718           |
| 73   | 5.387           | 74   | 5.596           | 75   | 5.650           | 76   | 5.517           |
| 77   | 5.690           | 78   | 5.453           | 79   | 5.613           | 80   | 5.653           |
| 81   | 5.628           | 82   | 5.451           | 83   | 5.478           | 84   | 5.356           |
| 85   | 5.441           | 86   | 5.381           | 87   | 5.552           | 88   | 5.395           |
| 89   | 5.341           | 90   | 5.496           | 91   | 5.455           | 92   | 5.469           |
| 93   | 5.573           | 94   | 5.365           | 95   | 5.642           | 96   | 5.505           |
| 97   | 5.309           | 98   | 5.397           | 99   | 5.568           | 100  | 5.639           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_13

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.375           | 2    | 5.264           | 3    | 5.273           | 4    | 5.293           |
| 5    | 5.612           | 6    | 5.436           | 7    | 5.695           | 8    | 5.549           |
| 9    | 5.422           | 10   | 5.631           | 11   | 5.262           | 12   | 5.490           |
| 13   | 5.589           | 14   | 5.506           | 15   | 5.326           | 16   | 5.282           |
| 17   | 5.657           | 18   | 5.497           | 19   | 5.509           | 20   | 5.660           |
| 21   | 5.474           | 22   | 5.629           | 23   | 5.272           | 24   | 5.314           |
| 25   | 5.433           | 26   | 5.560           | 27   | 5.399           | 28   | 5.357           |
| 29   | 5.668           | 30   | 5.484           | 31   | 5.408           | 32   | 5.325           |
| 33   | 5.434           | 34   | 5.356           | 35   | 5.563           | 36   | 5.285           |
| 37   | 5.401           | 38   | 5.426           | 39   | 5.393           | 40   | 5.621           |
| 41   | 5.277           | 42   | 5.567           | 43   | 5.593           | 44   | 5.559           |
| 45   | 5.496           | 46   | 5.675           | 47   | 5.419           | 48   | 5.319           |
| 49   | 5.690           | 50   | 5.694           | 51   | 5.373           | 52   | 5.661           |
| 53   | 5.367           | 54   | 5.522           | 55   | 5.674           | 56   | 5.265           |
| 57   | 5.300           | 58   | 5.468           | 59   | 5.596           | 60   | 5.324           |
| 61   | 5.528           | 62   | 5.526           | 63   | 5.537           | 64   | 5.669           |
| 65   | 5.599           | 66   | 5.358           | 67   | 5.303           | 68   | 5.648           |
| 69   | 5.378           | 70   | 5.478           | 71   | 5.469           | 72   | 5.407           |
| 73   | 5.513           | 74   | 5.263           | 75   | 5.586           | 76   | 5.360           |
| 77   | 5.571           | 78   | 5.604           | 79   | 5.446           | 80   | 5.479           |
| 81   | 5.482           | 82   | 5.366           | 83   | 5.394           | 84   | 5.693           |
| 85   | 5.288           | 86   | 5.512           | 87   | 5.551           | 88   | 5.585           |
| 89   | 5.723           | 90   | 5.705           | 91   | 5.412           | 92   | 5.711           |
| 93   | 5.345           | 94   | 5.486           | 95   | 5.678           | 96   | 5.361           |
| 97   | 5.390           | 98   | 5.352           | 99   | 5.649           | 100  | 5.647           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_14

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.507           | 2    | 5.709           | 3    | 5.352           | 4    | 5.516           |
| 5    | 5.503           | 6    | 5.594           | 7    | 5.415           | 8    | 5.255           |
| 9    | 5.475           | 10   | 5.275           | 11   | 5.657           | 12   | 5.344           |
| 13   | 5.534           | 14   | 5.406           | 15   | 5.612           | 16   | 5.671           |
| 17   | 5.389           | 18   | 5.314           | 19   | 5.323           | 20   | 5.544           |
| 21   | 5.277           | 22   | 5.302           | 23   | 5.545           | 24   | 5.577           |
| 25   | 5.388           | 26   | 5.258           | 27   | 5.386           | 28   | 5.434           |
| 29   | 5.312           | 30   | 5.595           | 31   | 5.689           | 32   | 5.420           |
| 33   | 5.287           | 34   | 5.408           | 35   | 5.464           | 36   | 5.511           |
| 37   | 5.443           | 38   | 5.427           | 39   | 5.416           | 40   | 5.365           |
| 41   | 5.500           | 42   | 5.587           | 43   | 5.457           | 44   | 5.395           |
| 45   | 5.621           | 46   | 5.588           | 47   | 5.442           | 48   | 5.411           |
| 49   | 5.390           | 50   | 5.539           | 51   | 5.425           | 52   | 5.521           |
| 53   | 5.722           | 54   | 5.696           | 55   | 5.413           | 56   | 5.529           |
| 57   | 5.355           | 58   | 5.656           | 59   | 5.704           | 60   | 5.316           |
| 61   | 5.480           | 62   | 5.581           | 63   | 5.632           | 64   | 5.676           |
| 65   | 5.482           | 66   | 5.432           | 67   | 5.259           | 68   | 5.438           |
| 69   | 5.694           | 70   | 5.580           | 71   | 5.536           | 72   | 5.663           |
| 73   | 5.495           | 74   | 5.674           | 75   | 5.347           | 76   | 5.400           |
| 77   | 5.465           | 78   | 5.330           | 79   | 5.589           | 80   | 5.519           |
| 81   | 5.699           | 82   | 5.645           | 83   | 5.380           | 84   | 5.672           |
| 85   | 5.635           | 86   | 5.548           | 87   | 5.563           | 88   | 5.710           |
| 89   | 5.348           | 90   | 5.629           | 91   | 5.641           | 92   | 5.509           |
| 93   | 5.317           | 94   | 5.384           | 95   | 5.562           | 96   | 5.666           |
| 97   | 5.332           | 98   | 5.456           | 99   | 5.262           | 100  | 5.701           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_15

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.332           | 2    | 5.253           | 3    | 5.256           | 4    | 5.368           |
| 5    | 5.366           | 6    | 5.427           | 7    | 5.495           | 8    | 5.322           |
| 9    | 5.496           | 10   | 5.474           | 11   | 5.448           | 12   | 5.678           |
| 13   | 5.410           | 14   | 5.687           | 15   | 5.686           | 16   | 5.533           |
| 17   | 5.269           | 18   | 5.385           | 19   | 5.429           | 20   | 5.261           |
| 21   | 5.585           | 22   | 5.509           | 23   | 5.255           | 24   | 5.478           |
| 25   | 5.360           | 26   | 5.339           | 27   | 5.335           | 28   | 5.512           |
| 29   | 5.604           | 30   | 5.462           | 31   | 5.479           | 32   | 5.562           |
| 33   | 5.693           | 34   | 5.337           | 35   | 5.671           | 36   | 5.260           |
| 37   | 5.382           | 38   | 5.556           | 39   | 5.523           | 40   | 5.292           |
| 41   | 5.273           | 42   | 5.313           | 43   | 5.586           | 44   | 5.668           |
| 45   | 5.317           | 46   | 5.324           | 47   | 5.505           | 48   | 5.486           |
| 49   | 5.358           | 50   | 5.493           | 51   | 5.456           | 52   | 5.610           |
| 53   | 5.528           | 54   | 5.590           | 55   | 5.506           | 56   | 5.517           |
| 57   | 5.530           | 58   | 5.640           | 59   | 5.318           | 60   | 5.274           |
| 61   | 5.381           | 62   | 5.579           | 63   | 5.667           | 64   | 5.661           |
| 65   | 5.415           | 66   | 5.442           | 67   | 5.621           | 68   | 5.552           |
| 69   | 5.455           | 70   | 5.300           | 71   | 5.441           | 72   | 5.491           |
| 73   | 5.722           | 74   | 5.305           | 75   | 5.331           | 76   | 5.365           |
| 77   | 5.390           | 78   | 5.637           | 79   | 5.266           | 80   | 5.591           |
| 81   | 5.563           | 82   | 5.607           | 83   | 5.461           | 84   | 5.262           |
| 85   | 5.605           | 86   | 5.617           | 87   | 5.403           | 88   | 5.600           |
| 89   | 5.492           | 90   | 5.294           | 91   | 5.706           | 92   | 5.507           |
| 93   | 5.284           | 94   | 5.298           | 95   | 5.564           | 96   | 5.650           |
| 97   | 5.537           | 98   | 5.611           | 99   | 5.645           | 100  | 5.413           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_16

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.469           | 2    | 5.426           | 3    | 5.347           | 4    | 5.449           |
| 5    | 5.330           | 6    | 5.537           | 7    | 5.391           | 8    | 5.687           |
| 9    | 5.666           | 10   | 5.332           | 11   | 5.651           | 12   | 5.341           |
| 13   | 5.352           | 14   | 5.457           | 15   | 5.686           | 16   | 5.531           |
| 17   | 5.693           | 18   | 5.631           | 19   | 5.269           | 20   | 5.525           |
| 21   | 5.702           | 22   | 5.403           | 23   | 5.536           | 24   | 5.363           |
| 25   | 5.516           | 26   | 5.538           | 27   | 5.490           | 28   | 5.511           |
| 29   | 5.724           | 30   | 5.704           | 31   | 5.442           | 32   | 5.441           |
| 33   | 5.411           | 34   | 5.717           | 35   | 5.571           | 36   | 5.647           |
| 37   | 5.649           | 38   | 5.606           | 39   | 5.319           | 40   | 5.448           |
| 41   | 5.504           | 42   | 5.472           | 43   | 5.609           | 44   | 5.438           |
| 45   | 5.545           | 46   | 5.480           | 47   | 5.256           | 48   | 5.679           |
| 49   | 5.382           | 50   | 5.284           | 51   | 5.543           | 52   | 5.424           |
| 53   | 5.317           | 54   | 5.520           | 55   | 5.604           | 56   | 5.397           |
| 57   | 5.505           | 58   | 5.463           | 59   | 5.685           | 60   | 5.602           |
| 61   | 5.270           | 62   | 5.618           | 63   | 5.662           | 64   | 5.273           |
| 65   | 5.707           | 66   | 5.664           | 67   | 5.552           | 68   | 5.294           |
| 69   | 5.320           | 70   | 5.464           | 71   | 5.641           | 72   | 5.476           |
| 73   | 5.661           | 74   | 5.566           | 75   | 5.299           | 76   | 5.584           |
| 77   | 5.619           | 78   | 5.420           | 79   | 5.488           | 80   | 5.593           |
| 81   | 5.654           | 82   | 5.714           | 83   | 5.287           | 84   | 5.657           |
| 85   | 5.337           | 86   | 5.644           | 87   | 5.648           | 88   | 5.659           |
| 89   | 5.251           | 90   | 5.265           | 91   | 5.279           | 92   | 5.359           |
| 93   | 5.460           | 94   | 5.413           | 95   | 5.308           | 96   | 5.544           |
| 97   | 5.640           | 98   | 5.394           | 99   | 5.348           | 100  | 5.613           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_17

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.421           | 2    | 5.498           | 3    | 5.713           | 4    | 5.660           |
| 5    | 5.583           | 6    | 5.662           | 7    | 5.657           | 8    | 5.641           |
| 9    | 5.268           | 10   | 5.654           | 11   | 5.517           | 12   | 5.259           |
| 13   | 5.485           | 14   | 5.419           | 15   | 5.276           | 16   | 5.649           |
| 17   | 5.467           | 18   | 5.646           | 19   | 5.359           | 20   | 5.642           |
| 21   | 5.659           | 22   | 5.620           | 23   | 5.345           | 24   | 5.257           |
| 25   | 5.288           | 26   | 5.478           | 27   | 5.637           | 28   | 5.252           |
| 29   | 5.489           | 30   | 5.274           | 31   | 5.703           | 32   | 5.534           |
| 33   | 5.376           | 34   | 5.719           | 35   | 5.682           | 36   | 5.413           |
| 37   | 5.614           | 38   | 5.448           | 39   | 5.256           | 40   | 5.365           |
| 41   | 5.587           | 42   | 5.350           | 43   | 5.605           | 44   | 5.447           |
| 45   | 5.328           | 46   | 5.710           | 47   | 5.330           | 48   | 5.679           |
| 49   | 5.557           | 50   | 5.674           | 51   | 5.437           | 52   | 5.668           |
| 53   | 5.714           | 54   | 5.353           | 55   | 5.488           | 56   | 5.427           |
| 57   | 5.577           | 58   | 5.482           | 59   | 5.700           | 60   | 5.626           |
| 61   | 5.307           | 62   | 5.464           | 63   | 5.423           | 64   | 5.336           |
| 65   | 5.617           | 66   | 5.608           | 67   | 5.562           | 68   | 5.443           |
| 69   | 5.446           | 70   | 5.561           | 71   | 5.493           | 72   | 5.560           |
| 73   | 5.304           | 74   | 5.354           | 75   | 5.495           | 76   | 5.680           |
| 77   | 5.397           | 78   | 5.344           | 79   | 5.426           | 80   | 5.425           |
| 81   | 5.599           | 82   | 5.567           | 83   | 5.510           | 84   | 5.555           |
| 85   | 5.625           | 86   | 5.324           | 87   | 5.707           | 88   | 5.262           |
| 89   | 5.501           | 90   | 5.651           | 91   | 5.292           | 92   | 5.424           |
| 93   | 5.573           | 94   | 5.411           | 95   | 5.597           | 96   | 5.691           |
| 97   | 5.435           | 98   | 5.459           | 99   | 5.282           | 100  | 5.600           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_18

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.471           | 2    | 5.678           | 3    | 5.410           | 4    | 5.537           |
| 5    | 5.446           | 6    | 5.666           | 7    | 5.563           | 8    | 5.355           |
| 9    | 5.484           | 10   | 5.489           | 11   | 5.556           | 12   | 5.596           |
| 13   | 5.454           | 14   | 5.682           | 15   | 5.554           | 16   | 5.595           |
| 17   | 5.270           | 18   | 5.610           | 19   | 5.586           | 20   | 5.549           |
| 21   | 5.264           | 22   | 5.415           | 23   | 5.266           | 24   | 5.339           |
| 25   | 5.662           | 26   | 5.697           | 27   | 5.379           | 28   | 5.392           |
| 29   | 5.301           | 30   | 5.334           | 31   | 5.573           | 32   | 5.643           |
| 33   | 5.253           | 34   | 5.439           | 35   | 5.300           | 36   | 5.519           |
| 37   | 5.267           | 38   | 5.689           | 39   | 5.539           | 40   | 5.455           |
| 41   | 5.468           | 42   | 5.613           | 43   | 5.496           | 44   | 5.665           |
| 45   | 5.381           | 46   | 5.250           | 47   | 5.298           | 48   | 5.272           |
| 49   | 5.592           | 50   | 5.360           | 51   | 5.532           | 52   | 5.324           |
| 53   | 5.710           | 54   | 5.409           | 55   | 5.517           | 56   | 5.467           |
| 57   | 5.647           | 58   | 5.668           | 59   | 5.309           | 60   | 5.548           |
| 61   | 5.317           | 62   | 5.428           | 63   | 5.597           | 64   | 5.314           |
| 65   | 5.481           | 66   | 5.308           | 67   | 5.584           | 68   | 5.622           |
| 69   | 5.358           | 70   | 5.466           | 71   | 5.616           | 72   | 5.295           |
| 73   | 5.364           | 74   | 5.261           | 75   | 5.655           | 76   | 5.660           |
| 77   | 5.457           | 78   | 5.672           | 79   | 5.565           | 80   | 5.652           |
| 81   | 5.260           | 82   | 5.683           | 83   | 5.343           | 84   | 5.401           |
| 85   | 5.325           | 86   | 5.686           | 87   | 5.353           | 88   | 5.315           |
| 89   | 5.373           | 90   | 5.402           | 91   | 5.352           | 92   | 5.599           |
| 93   | 5.626           | 94   | 5.702           | 95   | 5.258           | 96   | 5.460           |
| 97   | 5.724           | 98   | 5.670           | 99   | 5.444           | 100  | 5.388           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_19

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.550           | 2    | 5.672           | 3    | 5.305           | 4    | 5.508           |
| 5    | 5.713           | 6    | 5.500           | 7    | 5.312           | 8    | 5.704           |
| 9    | 5.291           | 10   | 5.288           | 11   | 5.664           | 12   | 5.468           |
| 13   | 5.405           | 14   | 5.558           | 15   | 5.313           | 16   | 5.308           |
| 17   | 5.390           | 18   | 5.685           | 19   | 5.526           | 20   | 5.394           |
| 21   | 5.616           | 22   | 5.333           | 23   | 5.419           | 24   | 5.461           |
| 25   | 5.417           | 26   | 5.393           | 27   | 5.427           | 28   | 5.650           |
| 29   | 5.376           | 30   | 5.351           | 31   | 5.656           | 32   | 5.494           |
| 33   | 5.700           | 34   | 5.365           | 35   | 5.624           | 36   | 5.551           |
| 37   | 5.259           | 38   | 5.657           | 39   | 5.470           | 40   | 5.666           |
| 41   | 5.250           | 42   | 5.501           | 43   | 5.681           | 44   | 5.496           |
| 45   | 5.370           | 46   | 5.689           | 47   | 5.535           | 48   | 5.271           |
| 49   | 5.444           | 50   | 5.696           | 51   | 5.337           | 52   | 5.621           |
| 53   | 5.265           | 54   | 5.399           | 55   | 5.609           | 56   | 5.722           |
| 57   | 5.401           | 58   | 5.667           | 59   | 5.473           | 60   | 5.511           |
| 61   | 5.350           | 62   | 5.614           | 63   | 5.516           | 64   | 5.409           |
| 65   | 5.260           | 66   | 5.709           | 67   | 5.677           | 68   | 5.590           |
| 69   | 5.671           | 70   | 5.418           | 71   | 5.297           | 72   | 5.623           |
| 73   | 5.539           | 74   | 5.371           | 75   | 5.280           | 76   | 5.422           |
| 77   | 5.607           | 78   | 5.407           | 79   | 5.533           | 80   | 5.316           |
| 81   | 5.301           | 82   | 5.640           | 83   | 5.610           | 84   | 5.454           |
| 85   | 5.413           | 86   | 5.512           | 87   | 5.577           | 88   | 5.557           |
| 89   | 5.471           | 90   | 5.622           | 91   | 5.439           | 92   | 5.361           |
| 93   | 5.582           | 94   | 5.360           | 95   | 5.440           | 96   | 5.537           |
| 97   | 5.406           | 98   | 5.585           | 99   | 5.342           | 100  | 5.462           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_20

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.664           | 2    | 5.377           | 3    | 5.595           | 4    | 5.701           |
| 5    | 5.596           | 6    | 5.490           | 7    | 5.573           | 8    | 5.706           |
| 9    | 5.594           | 10   | 5.393           | 11   | 5.581           | 12   | 5.592           |
| 13   | 5.403           | 14   | 5.547           | 15   | 5.428           | 16   | 5.314           |
| 17   | 5.643           | 18   | 5.585           | 19   | 5.444           | 20   | 5.405           |
| 21   | 5.279           | 22   | 5.294           | 23   | 5.477           | 24   | 5.277           |
| 25   | 5.543           | 26   | 5.338           | 27   | 5.720           | 28   | 5.613           |
| 29   | 5.323           | 30   | 5.541           | 31   | 5.496           | 32   | 5.270           |
| 33   | 5.499           | 34   | 5.410           | 35   | 5.530           | 36   | 5.339           |
| 37   | 5.452           | 38   | 5.287           | 39   | 5.423           | 40   | 5.375           |
| 41   | 5.328           | 42   | 5.644           | 43   | 5.620           | 44   | 5.333           |
| 45   | 5.635           | 46   | 5.566           | 47   | 5.645           | 48   | 5.497           |
| 49   | 5.325           | 50   | 5.417           | 51   | 5.523           | 52   | 5.562           |
| 53   | 5.605           | 54   | 5.495           | 55   | 5.271           | 56   | 5.693           |
| 57   | 5.442           | 58   | 5.524           | 59   | 5.637           | 60   | 5.407           |
| 61   | 5.421           | 62   | 5.342           | 63   | 5.435           | 64   | 5.590           |
| 65   | 5.636           | 66   | 5.711           | 67   | 5.468           | 68   | 5.288           |
| 69   | 5.488           | 70   | 5.719           | 71   | 5.699           | 72   | 5.400           |
| 73   | 5.343           | 74   | 5.589           | 75   | 5.379           | 76   | 5.408           |
| 77   | 5.406           | 78   | 5.712           | 79   | 5.370           | 80   | 5.268           |
| 81   | 5.299           | 82   | 5.576           | 83   | 5.619           | 84   | 5.332           |
| 85   | 5.361           | 86   | 5.465           | 87   | 5.517           | 88   | 5.485           |
| 89   | 5.724           | 90   | 5.557           | 91   | 5.297           | 92   | 5.586           |
| 93   | 5.321           | 94   | 5.368           | 95   | 5.683           | 96   | 5.526           |
| 97   | 5.649           | 98   | 5.587           | 99   | 5.582           | 100  | 5.681           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_21

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.265           | 2    | 5.645           | 3    | 5.335           | 4    | 5.680           |
| 5    | 5.551           | 6    | 5.661           | 7    | 5.669           | 8    | 5.387           |
| 9    | 5.352           | 10   | 5.635           | 11   | 5.451           | 12   | 5.534           |
| 13   | 5.511           | 14   | 5.708           | 15   | 5.721           | 16   | 5.644           |
| 17   | 5.524           | 18   | 5.634           | 19   | 5.453           | 20   | 5.698           |
| 21   | 5.631           | 22   | 5.445           | 23   | 5.279           | 24   | 5.582           |
| 25   | 5.488           | 26   | 5.687           | 27   | 5.292           | 28   | 5.673           |
| 29   | 5.361           | 30   | 5.256           | 31   | 5.471           | 32   | 5.523           |
| 33   | 5.464           | 34   | 5.330           | 35   | 5.555           | 36   | 5.499           |
| 37   | 5.700           | 38   | 5.613           | 39   | 5.695           | 40   | 5.672           |
| 41   | 5.591           | 42   | 5.399           | 43   | 5.432           | 44   | 5.664           |
| 45   | 5.578           | 46   | 5.571           | 47   | 5.478           | 48   | 5.463           |
| 49   | 5.431           | 50   | 5.516           | 51   | 5.371           | 52   | 5.652           |
| 53   | 5.709           | 54   | 5.692           | 55   | 5.421           | 56   | 5.480           |
| 57   | 5.425           | 58   | 5.293           | 59   | 5.285           | 60   | 5.693           |
| 61   | 5.666           | 62   | 5.609           | 63   | 5.377           | 64   | 5.338           |
| 65   | 5.597           | 66   | 5.430           | 67   | 5.568           | 68   | 5.489           |
| 69   | 5.495           | 70   | 5.479           | 71   | 5.304           | 72   | 5.527           |
| 73   | 5.473           | 74   | 5.397           | 75   | 5.643           | 76   | 5.626           |
| 77   | 5.411           | 78   | 5.702           | 79   | 5.409           | 80   | 5.512           |
| 81   | 5.599           | 82   | 5.497           | 83   | 5.393           | 84   | 5.351           |
| 85   | 5.706           | 86   | 5.327           | 87   | 5.660           | 88   | 5.437           |
| 89   | 5.322           | 90   | 5.566           | 91   | 5.553           | 92   | 5.501           |
| 93   | 5.315           | 94   | 5.590           | 95   | 5.385           | 96   | 5.650           |
| 97   | 5.614           | 98   | 5.705           | 99   | 5.276           | 100  | 5.469           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_22

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.609           | 2    | 5.255           | 3    | 5.447           | 4    | 5.276           |
| 5    | 5.345           | 6    | 5.385           | 7    | 5.526           | 8    | 5.623           |
| 9    | 5.601           | 10   | 5.535           | 11   | 5.657           | 12   | 5.300           |
| 13   | 5.306           | 14   | 5.708           | 15   | 5.495           | 16   | 5.422           |
| 17   | 5.658           | 18   | 5.379           | 19   | 5.692           | 20   | 5.502           |
| 21   | 5.253           | 22   | 5.498           | 23   | 5.380           | 24   | 5.670           |
| 25   | 5.460           | 26   | 5.514           | 27   | 5.545           | 28   | 5.319           |
| 29   | 5.252           | 30   | 5.457           | 31   | 5.478           | 32   | 5.707           |
| 33   | 5.722           | 34   | 5.681           | 35   | 5.329           | 36   | 5.390           |
| 37   | 5.367           | 38   | 5.622           | 39   | 5.286           | 40   | 5.472           |
| 41   | 5.435           | 42   | 5.427           | 43   | 5.458           | 44   | 5.715           |
| 45   | 5.537           | 46   | 5.312           | 47   | 5.671           | 48   | 5.521           |
| 49   | 5.322           | 50   | 5.655           | 51   | 5.308           | 52   | 5.484           |
| 53   | 5.361           | 54   | 5.304           | 55   | 5.259           | 56   | 5.418           |
| 57   | 5.360           | 58   | 5.724           | 59   | 5.594           | 60   | 5.420           |
| 61   | 5.549           | 62   | 5.454           | 63   | 5.314           | 64   | 5.569           |
| 65   | 5.467           | 66   | 5.450           | 67   | 5.519           | 68   | 5.444           |
| 69   | 5.268           | 70   | 5.663           | 71   | 5.709           | 72   | 5.610           |
| 73   | 5.621           | 74   | 5.647           | 75   | 5.648           | 76   | 5.557           |
| 77   | 5.529           | 78   | 5.483           | 79   | 5.589           | 80   | 5.377           |
| 81   | 5.338           | 82   | 5.698           | 83   | 5.433           | 84   | 5.446           |
| 85   | 5.618           | 86   | 5.597           | 87   | 5.393           | 88   | 5.554           |
| 89   | 5.477           | 90   | 5.403           | 91   | 5.280           | 92   | 5.719           |
| 93   | 5.263           | 94   | 5.465           | 95   | 5.305           | 96   | 5.646           |
| 97   | 5.550           | 98   | 5.396           | 99   | 5.637           | 100  | 5.716           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_23

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.401           | 2    | 5.459           | 3    | 5.412           | 4    | 5.639           |
| 5    | 5.383           | 6    | 5.630           | 7    | 5.689           | 8    | 5.673           |
| 9    | 5.441           | 10   | 5.384           | 11   | 5.432           | 12   | 5.451           |
| 13   | 5.608           | 14   | 5.440           | 15   | 5.593           | 16   | 5.398           |
| 17   | 5.590           | 18   | 5.280           | 19   | 5.339           | 20   | 5.257           |
| 21   | 5.702           | 22   | 5.422           | 23   | 5.648           | 24   | 5.683           |
| 25   | 5.642           | 26   | 5.479           | 27   | 5.354           | 28   | 5.718           |
| 29   | 5.633           | 30   | 5.620           | 31   | 5.562           | 32   | 5.334           |
| 33   | 5.515           | 34   | 5.546           | 35   | 5.585           | 36   | 5.486           |
| 37   | 5.366           | 38   | 5.409           | 39   | 5.375           | 40   | 5.392           |
| 41   | 5.482           | 42   | 5.313           | 43   | 5.660           | 44   | 5.279           |
| 45   | 5.563           | 46   | 5.617           | 47   | 5.694           | 48   | 5.307           |
| 49   | 5.314           | 50   | 5.376           | 51   | 5.447           | 52   | 5.697           |
| 53   | 5.393           | 54   | 5.698           | 55   | 5.335           | 56   | 5.358           |
| 57   | 5.503           | 58   | 5.605           | 59   | 5.712           | 60   | 5.413           |
| 61   | 5.285           | 62   | 5.662           | 63   | 5.576           | 64   | 5.429           |
| 65   | 5.365           | 66   | 5.653           | 67   | 5.284           | 68   | 5.687           |
| 69   | 5.415           | 70   | 5.315           | 71   | 5.347           | 72   | 5.722           |
| 73   | 5.613           | 74   | 5.372           | 75   | 5.425           | 76   | 5.504           |
| 77   | 5.723           | 78   | 5.330           | 79   | 5.672           | 80   | 5.473           |
| 81   | 5.423           | 82   | 5.618           | 83   | 5.526           | 84   | 5.452           |
| 85   | 5.301           | 86   | 5.460           | 87   | 5.652           | 88   | 5.592           |
| 89   | 5.547           | 90   | 5.286           | 91   | 5.614           | 92   | 5.603           |
| 93   | 5.696           | 94   | 5.484           | 95   | 5.721           | 96   | 5.343           |
| 97   | 5.519           | 98   | 5.667           | 99   | 5.407           | 100  | 5.489           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_24

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.338           | 2    | 5.690           | 3    | 5.513           | 4    | 5.614           |
| 5    | 5.452           | 6    | 5.451           | 7    | 5.357           | 8    | 5.646           |
| 9    | 5.375           | 10   | 5.403           | 11   | 5.400           | 12   | 5.341           |
| 13   | 5.469           | 14   | 5.723           | 15   | 5.707           | 16   | 5.314           |
| 17   | 5.708           | 18   | 5.474           | 19   | 5.336           | 20   | 5.416           |
| 21   | 5.427           | 22   | 5.521           | 23   | 5.593           | 24   | 5.611           |
| 25   | 5.598           | 26   | 5.558           | 27   | 5.652           | 28   | 5.581           |
| 29   | 5.383           | 30   | 5.642           | 31   | 5.313           | 32   | 5.649           |
| 33   | 5.722           | 34   | 5.664           | 35   | 5.561           | 36   | 5.594           |
| 37   | 5.266           | 38   | 5.334           | 39   | 5.685           | 40   | 5.701           |
| 41   | 5.437           | 42   | 5.544           | 43   | 5.332           | 44   | 5.603           |
| 45   | 5.465           | 46   | 5.379           | 47   | 5.579           | 48   | 5.262           |
| 49   | 5.250           | 50   | 5.724           | 51   | 5.283           | 52   | 5.291           |
| 53   | 5.587           | 54   | 5.391           | 55   | 5.329           | 56   | 5.382           |
| 57   | 5.372           | 58   | 5.645           | 59   | 5.455           | 60   | 5.596           |
| 61   | 5.422           | 62   | 5.251           | 63   | 5.609           | 64   | 5.559           |
| 65   | 5.497           | 66   | 5.253           | 67   | 5.545           | 68   | 5.438           |
| 69   | 5.488           | 70   | 5.697           | 71   | 5.503           | 72   | 5.348           |
| 73   | 5.583           | 74   | 5.390           | 75   | 5.647           | 76   | 5.377           |
| 77   | 5.535           | 78   | 5.298           | 79   | 5.556           | 80   | 5.571           |
| 81   | 5.644           | 82   | 5.625           | 83   | 5.490           | 84   | 5.610           |
| 85   | 5.592           | 86   | 5.426           | 87   | 5.280           | 88   | 5.591           |
| 89   | 5.305           | 90   | 5.564           | 91   | 5.721           | 92   | 5.285           |
| 93   | 5.526           | 94   | 5.315           | 95   | 5.698           | 96   | 5.624           |
| 97   | 5.258           | 98   | 5.505           | 99   | 5.606           | 100  | 5.516           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_25

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.337           | 2    | 5.639           | 3    | 5.406           | 4    | 5.583           |
| 5    | 5.403           | 6    | 5.551           | 7    | 5.705           | 8    | 5.571           |
| 9    | 5.488           | 10   | 5.253           | 11   | 5.519           | 12   | 5.369           |
| 13   | 5.575           | 14   | 5.445           | 15   | 5.511           | 16   | 5.419           |
| 17   | 5.619           | 18   | 5.261           | 19   | 5.473           | 20   | 5.710           |
| 21   | 5.580           | 22   | 5.657           | 23   | 5.446           | 24   | 5.508           |
| 25   | 5.355           | 26   | 5.634           | 27   | 5.334           | 28   | 5.460           |
| 29   | 5.648           | 30   | 5.546           | 31   | 5.608           | 32   | 5.674           |
| 33   | 5.534           | 34   | 5.723           | 35   | 5.256           | 36   | 5.629           |
| 37   | 5.459           | 38   | 5.352           | 39   | 5.293           | 40   | 5.517           |
| 41   | 5.322           | 42   | 5.467           | 43   | 5.557           | 44   | 5.672           |
| 45   | 5.703           | 46   | 5.415           | 47   | 5.296           | 48   | 5.547           |
| 49   | 5.435           | 50   | 5.465           | 51   | 5.260           | 52   | 5.282           |
| 53   | 5.374           | 54   | 5.430           | 55   | 5.494           | 56   | 5.640           |
| 57   | 5.268           | 58   | 5.432           | 59   | 5.392           | 60   | 5.307           |
| 61   | 5.393           | 62   | 5.344           | 63   | 5.416           | 64   | 5.285           |
| 65   | 5.638           | 66   | 5.597           | 67   | 5.516           | 68   | 5.690           |
| 69   | 5.449           | 70   | 5.504           | 71   | 5.572           | 72   | 5.669           |
| 73   | 5.594           | 74   | 5.532           | 75   | 5.628           | 76   | 5.673           |
| 77   | 5.448           | 78   | 5.537           | 79   | 5.326           | 80   | 5.266           |
| 81   | 5.697           | 82   | 5.522           | 83   | 5.678           | 84   | 5.655           |
| 85   | 5.422           | 86   | 5.317           | 87   | 5.602           | 88   | 5.264           |
| 89   | 5.589           | 90   | 5.627           | 91   | 5.491           | 92   | 5.701           |
| 93   | 5.436           | 94   | 5.680           | 95   | 5.478           | 96   | 5.558           |
| 97   | 5.320           | 98   | 5.662           | 99   | 5.525           | 100  | 5.434           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_26

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.518           | 2    | 5.489           | 3    | 5.280           | 4    | 5.598           |
| 5    | 5.417           | 6    | 5.447           | 7    | 5.418           | 8    | 5.400           |
| 9    | 5.674           | 10   | 5.631           | 11   | 5.668           | 12   | 5.577           |
| 13   | 5.654           | 14   | 5.251           | 15   | 5.570           | 16   | 5.649           |
| 17   | 5.318           | 18   | 5.373           | 19   | 5.558           | 20   | 5.544           |
| 21   | 5.331           | 22   | 5.695           | 23   | 5.395           | 24   | 5.628           |
| 25   | 5.551           | 26   | 5.338           | 27   | 5.678           | 28   | 5.375           |
| 29   | 5.448           | 30   | 5.254           | 31   | 5.693           | 32   | 5.273           |
| 33   | 5.501           | 34   | 5.596           | 35   | 5.406           | 36   | 5.295           |
| 37   | 5.253           | 38   | 5.430           | 39   | 5.315           | 40   | 5.650           |
| 41   | 5.565           | 42   | 5.504           | 43   | 5.533           | 44   | 5.664           |
| 45   | 5.547           | 46   | 5.307           | 47   | 5.385           | 48   | 5.561           |
| 49   | 5.521           | 50   | 5.303           | 51   | 5.383           | 52   | 5.525           |
| 53   | 5.300           | 54   | 5.641           | 55   | 5.613           | 56   | 5.291           |
| 57   | 5.614           | 58   | 5.588           | 59   | 5.365           | 60   | 5.294           |
| 61   | 5.600           | 62   | 5.445           | 63   | 5.387           | 64   | 5.468           |
| 65   | 5.405           | 66   | 5.429           | 67   | 5.450           | 68   | 5.288           |
| 69   | 5.462           | 70   | 5.464           | 71   | 5.443           | 72   | 5.659           |
| 73   | 5.344           | 74   | 5.636           | 75   | 5.611           | 76   | 5.432           |
| 77   | 5.341           | 78   | 5.532           | 79   | 5.420           | 80   | 5.449           |
| 81   | 5.284           | 82   | 5.414           | 83   | 5.724           | 84   | 5.440           |
| 85   | 5.556           | 86   | 5.455           | 87   | 5.499           | 88   | 5.474           |
| 89   | 5.481           | 90   | 5.363           | 91   | 5.478           | 92   | 5.456           |
| 93   | 5.264           | 94   | 5.633           | 95   | 5.589           | 96   | 5.686           |
| 97   | 5.538           | 98   | 5.569           | 99   | 5.524           | 100  | 5.578           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_27

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.368           | 2    | 5.583           | 3    | 5.564           | 4    | 5.520           |
| 5    | 5.428           | 6    | 5.366           | 7    | 5.611           | 8    | 5.390           |
| 9    | 5.616           | 10   | 5.556           | 11   | 5.539           | 12   | 5.485           |
| 13   | 5.360           | 14   | 5.302           | 15   | 5.581           | 16   | 5.614           |
| 17   | 5.353           | 18   | 5.358           | 19   | 5.582           | 20   | 5.325           |
| 21   | 5.348           | 22   | 5.292           | 23   | 5.287           | 24   | 5.567           |
| 25   | 5.615           | 26   | 5.346           | 27   | 5.531           | 28   | 5.263           |
| 29   | 5.272           | 30   | 5.282           | 31   | 5.657           | 32   | 5.554           |
| 33   | 5.618           | 34   | 5.580           | 35   | 5.525           | 36   | 5.291           |
| 37   | 5.715           | 38   | 5.343           | 39   | 5.534           | 40   | 5.312           |
| 41   | 5.275           | 42   | 5.270           | 43   | 5.718           | 44   | 5.696           |
| 45   | 5.671           | 46   | 5.307           | 47   | 5.332           | 48   | 5.721           |
| 49   | 5.462           | 50   | 5.714           | 51   | 5.451           | 52   | 5.679           |
| 53   | 5.422           | 54   | 5.317           | 55   | 5.640           | 56   | 5.695           |
| 57   | 5.722           | 58   | 5.598           | 59   | 5.607           | 60   | 5.648           |
| 61   | 5.547           | 62   | 5.396           | 63   | 5.523           | 64   | 5.659           |
| 65   | 5.624           | 66   | 5.584           | 67   | 5.660           | 68   | 5.452           |
| 69   | 5.550           | 70   | 5.440           | 71   | 5.683           | 72   | 5.382           |
| 73   | 5.562           | 74   | 5.578           | 75   | 5.513           | 76   | 5.393           |
| 77   | 5.379           | 78   | 5.409           | 79   | 5.362           | 80   | 5.297           |
| 81   | 5.597           | 82   | 5.337           | 83   | 5.711           | 84   | 5.460           |
| 85   | 5.576           | 86   | 5.605           | 87   | 5.645           | 88   | 5.591           |
| 89   | 5.667           | 90   | 5.398           | 91   | 5.456           | 92   | 5.380           |
| 93   | 5.710           | 94   | 5.636           | 95   | 5.315           | 96   | 5.277           |
| 97   | 5.441           | 98   | 5.676           | 99   | 5.593           | 100  | 5.394           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_28

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.336           | 2    | 5.506           | 3    | 5.514           | 4    | 5.286           |
| 5    | 5.715           | 6    | 5.452           | 7    | 5.408           | 8    | 5.722           |
| 9    | 5.332           | 10   | 5.606           | 11   | 5.608           | 12   | 5.630           |
| 13   | 5.676           | 14   | 5.547           | 15   | 5.568           | 16   | 5.436           |
| 17   | 5.503           | 18   | 5.344           | 19   | 5.723           | 20   | 5.331           |
| 21   | 5.637           | 22   | 5.454           | 23   | 5.589           | 24   | 5.517           |
| 25   | 5.586           | 26   | 5.474           | 27   | 5.267           | 28   | 5.686           |
| 29   | 5.333           | 30   | 5.540           | 31   | 5.585           | 32   | 5.678           |
| 33   | 5.482           | 34   | 5.549           | 35   | 5.473           | 36   | 5.695           |
| 37   | 5.412           | 38   | 5.600           | 39   | 5.620           | 40   | 5.272           |
| 41   | 5.499           | 42   | 5.424           | 43   | 5.366           | 44   | 5.594           |
| 45   | 5.526           | 46   | 5.625           | 47   | 5.632           | 48   | 5.572           |
| 49   | 5.260           | 50   | 5.463           | 51   | 5.679           | 52   | 5.444           |
| 53   | 5.716           | 54   | 5.388           | 55   | 5.587           | 56   | 5.592           |
| 57   | 5.399           | 58   | 5.327           | 59   | 5.607           | 60   | 5.529           |
| 61   | 5.455           | 62   | 5.554           | 63   | 5.688           | 64   | 5.534           |
| 65   | 5.250           | 66   | 5.295           | 67   | 5.541           | 68   | 5.402           |
| 69   | 5.551           | 70   | 5.595           | 71   | 5.459           | 72   | 5.516           |
| 73   | 5.467           | 74   | 5.544           | 75   | 5.358           | 76   | 5.393           |
| 77   | 5.490           | 78   | 5.656           | 79   | 5.493           | 80   | 5.639           |
| 81   | 5.410           | 82   | 5.494           | 83   | 5.346           | 84   | 5.304           |
| 85   | 5.357           | 86   | 5.616           | 87   | 5.339           | 88   | 5.316           |
| 89   | 5.318           | 90   | 5.510           | 91   | 5.405           | 92   | 5.697           |
| 93   | 5.483           | 94   | 5.535           | 95   | 5.672           | 96   | 5.645           |
| 97   | 5.558           | 98   | 5.284           | 99   | 5.460           | 100  | 5.519           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_29

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.666           | 2    | 5.685           | 3    | 5.395           | 4    | 5.370           |
| 5    | 5.611           | 6    | 5.291           | 7    | 5.687           | 8    | 5.327           |
| 9    | 5.307           | 10   | 5.486           | 11   | 5.389           | 12   | 5.604           |
| 13   | 5.319           | 14   | 5.463           | 15   | 5.445           | 16   | 5.357           |
| 17   | 5.415           | 18   | 5.721           | 19   | 5.587           | 20   | 5.585           |
| 21   | 5.558           | 22   | 5.574           | 23   | 5.675           | 24   | 5.566           |
| 25   | 5.679           | 26   | 5.570           | 27   | 5.488           | 28   | 5.640           |
| 29   | 5.406           | 30   | 5.617           | 31   | 5.386           | 32   | 5.592           |
| 33   | 5.382           | 34   | 5.448           | 35   | 5.479           | 36   | 5.461           |
| 37   | 5.273           | 38   | 5.671           | 39   | 5.458           | 40   | 5.432           |
| 41   | 5.544           | 42   | 5.271           | 43   | 5.628           | 44   | 5.343           |
| 45   | 5.689           | 46   | 5.709           | 47   | 5.691           | 48   | 5.529           |
| 49   | 5.540           | 50   | 5.633           | 51   | 5.623           | 52   | 5.667           |
| 53   | 5.536           | 54   | 5.277           | 55   | 5.577           | 56   | 5.625           |
| 57   | 5.454           | 58   | 5.595           | 59   | 5.660           | 60   | 5.564           |
| 61   | 5.673           | 62   | 5.362           | 63   | 5.692           | 64   | 5.252           |
| 65   | 5.680           | 66   | 5.304           | 67   | 5.459           | 68   | 5.436           |
| 69   | 5.314           | 70   | 5.723           | 71   | 5.423           | 72   | 5.651           |
| 73   | 5.435           | 74   | 5.553           | 75   | 5.562           | 76   | 5.602           |
| 77   | 5.368           | 78   | 5.646           | 79   | 5.441           | 80   | 5.412           |
| 81   | 5.718           | 82   | 5.552           | 83   | 5.430           | 84   | 5.607           |
| 85   | 5.404           | 86   | 5.393           | 87   | 5.420           | 88   | 5.672           |
| 89   | 5.669           | 90   | 5.596           | 91   | 5.384           | 92   | 5.428           |
| 93   | 5.495           | 94   | 5.268           | 95   | 5.606           | 96   | 5.551           |
| 97   | 5.377           | 98   | 5.588           | 99   | 5.352           | 100  | 5.477           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_30

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.458           | 2    | 5.613           | 3    | 5.717           | 4    | 5.475           |
| 5    | 5.607           | 6    | 5.589           | 7    | 5.417           | 8    | 5.406           |
| 9    | 5.298           | 10   | 5.318           | 11   | 5.710           | 12   | 5.667           |
| 13   | 5.351           | 14   | 5.347           | 15   | 5.300           | 16   | 5.619           |
| 17   | 5.309           | 18   | 5.502           | 19   | 5.578           | 20   | 5.639           |
| 21   | 5.573           | 22   | 5.448           | 23   | 5.462           | 24   | 5.721           |
| 25   | 5.389           | 26   | 5.509           | 27   | 5.414           | 28   | 5.443           |
| 29   | 5.262           | 30   | 5.571           | 31   | 5.558           | 32   | 5.285           |
| 33   | 5.529           | 34   | 5.606           | 35   | 5.419           | 36   | 5.352           |
| 37   | 5.566           | 38   | 5.459           | 39   | 5.304           | 40   | 5.398           |
| 41   | 5.339           | 42   | 5.408           | 43   | 5.281           | 44   | 5.663           |
| 45   | 5.690           | 46   | 5.405           | 47   | 5.335           | 48   | 5.577           |
| 49   | 5.491           | 50   | 5.424           | 51   | 5.411           | 52   | 5.581           |
| 53   | 5.715           | 54   | 5.686           | 55   | 5.267           | 56   | 5.594           |
| 57   | 5.277           | 58   | 5.596           | 59   | 5.457           | 60   | 5.554           |
| 61   | 5.388           | 62   | 5.669           | 63   | 5.474           | 64   | 5.720           |
| 65   | 5.453           | 66   | 5.658           | 67   | 5.500           | 68   | 5.677           |
| 69   | 5.358           | 70   | 5.287           | 71   | 5.338           | 72   | 5.394           |
| 73   | 5.609           | 74   | 5.676           | 75   | 5.353           | 76   | 5.379           |
| 77   | 5.616           | 78   | 5.625           | 79   | 5.257           | 80   | 5.595           |
| 81   | 5.588           | 82   | 5.426           | 83   | 5.556           | 84   | 5.680           |
| 85   | 5.373           | 86   | 5.674           | 87   | 5.350           | 88   | 5.628           |
| 89   | 5.423           | 90   | 5.418           | 91   | 5.260           | 92   | 5.590           |
| 93   | 5.392           | 94   | 5.532           | 95   | 5.478           | 96   | 5.582           |
| 97   | 5.562           | 98   | 5.326           | 99   | 5.548           | 100  | 5.286           |

**802.11ax (HE40)**

Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_01

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.603           | 2    | 5.405           | 3    | 5.498           | 4    | 5.670           |
| 5    | 5.630           | 6    | 5.712           | 7    | 5.653           | 8    | 5.285           |
| 9    | 5.399           | 10   | 5.541           | 11   | 5.704           | 12   | 5.323           |
| 13   | 5.532           | 14   | 5.366           | 15   | 5.410           | 16   | 5.581           |
| 17   | 5.612           | 18   | 5.467           | 19   | 5.312           | 20   | 5.554           |
| 21   | 5.520           | 22   | 5.551           | 23   | 5.575           | 24   | 5.448           |
| 25   | 5.414           | 26   | 5.598           | 27   | 5.354           | 28   | 5.708           |
| 29   | 5.332           | 30   | 5.288           | 31   | 5.310           | 32   | 5.456           |
| 33   | 5.397           | 34   | 5.361           | 35   | 5.390           | 36   | 5.380           |
| 37   | 5.620           | 38   | 5.652           | 39   | 5.666           | 40   | 5.457           |
| 41   | 5.296           | 42   | 5.631           | 43   | 5.411           | 44   | 5.470           |
| 45   | 5.526           | 46   | 5.472           | 47   | 5.628           | 48   | 5.375           |
| 49   | 5.649           | 50   | 5.656           | 51   | 5.408           | 52   | 5.393           |
| 53   | 5.514           | 54   | 5.348           | 55   | 5.523           | 56   | 5.709           |
| 57   | 5.311           | 58   | 5.284           | 59   | 5.552           | 60   | 5.427           |
| 61   | 5.255           | 62   | 5.395           | 63   | 5.536           | 64   | 5.626           |
| 65   | 5.389           | 66   | 5.297           | 67   | 5.679           | 68   | 5.545           |
| 69   | 5.496           | 70   | 5.617           | 71   | 5.283           | 72   | 5.508           |
| 73   | 5.299           | 74   | 5.319           | 75   | 5.624           | 76   | 5.440           |
| 77   | 5.677           | 78   | 5.643           | 79   | 5.558           | 80   | 5.252           |
| 81   | 5.671           | 82   | 5.378           | 83   | 5.680           | 84   | 5.547           |
| 85   | 5.683           | 86   | 5.453           | 87   | 5.466           | 88   | 5.471           |
| 89   | 5.548           | 90   | 5.356           | 91   | 5.486           | 92   | 5.684           |
| 93   | 5.669           | 94   | 5.349           | 95   | 5.504           | 96   | 5.641           |
| 97   | 5.495           | 98   | 5.578           | 99   | 5.702           | 100  | 5.706           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_02

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.328           | 2    | 5.655           | 3    | 5.570           | 4    | 5.291           |
| 5    | 5.485           | 6    | 5.342           | 7    | 5.365           | 8    | 5.720           |
| 9    | 5.647           | 10   | 5.264           | 11   | 5.362           | 12   | 5.403           |
| 13   | 5.392           | 14   | 5.284           | 15   | 5.363           | 16   | 5.461           |
| 17   | 5.346           | 18   | 5.381           | 19   | 5.598           | 20   | 5.528           |
| 21   | 5.640           | 22   | 5.315           | 23   | 5.500           | 24   | 5.539           |
| 25   | 5.531           | 26   | 5.459           | 27   | 5.603           | 28   | 5.372           |
| 29   | 5.499           | 30   | 5.263           | 31   | 5.329           | 32   | 5.366           |
| 33   | 5.431           | 34   | 5.586           | 35   | 5.536           | 36   | 5.266           |
| 37   | 5.376           | 38   | 5.654           | 39   | 5.701           | 40   | 5.285           |
| 41   | 5.699           | 42   | 5.327           | 43   | 5.450           | 44   | 5.567           |
| 45   | 5.680           | 46   | 5.581           | 47   | 5.270           | 48   | 5.633           |
| 49   | 5.676           | 50   | 5.353           | 51   | 5.456           | 52   | 5.454           |
| 53   | 5.446           | 54   | 5.532           | 55   | 5.665           | 56   | 5.443           |
| 57   | 5.432           | 58   | 5.371           | 59   | 5.269           | 60   | 5.559           |
| 61   | 5.386           | 62   | 5.535           | 63   | 5.308           | 64   | 5.451           |
| 65   | 5.276           | 66   | 5.718           | 67   | 5.719           | 68   | 5.287           |
| 69   | 5.636           | 70   | 5.292           | 71   | 5.490           | 72   | 5.700           |
| 73   | 5.303           | 74   | 5.569           | 75   | 5.489           | 76   | 5.364           |
| 77   | 5.564           | 78   | 5.335           | 79   | 5.340           | 80   | 5.326           |
| 81   | 5.677           | 82   | 5.375           | 83   | 5.664           | 84   | 5.427           |
| 85   | 5.538           | 86   | 5.509           | 87   | 5.420           | 88   | 5.344           |
| 89   | 5.462           | 90   | 5.682           | 91   | 5.565           | 92   | 5.691           |
| 93   | 5.355           | 94   | 5.687           | 95   | 5.652           | 96   | 5.352           |
| 97   | 5.416           | 98   | 5.286           | 99   | 5.684           | 100  | 5.425           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_03

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.715           | 2    | 5.431           | 3    | 5.262           | 4    | 5.608           |
| 5    | 5.436           | 6    | 5.354           | 7    | 5.555           | 8    | 5.545           |
| 9    | 5.322           | 10   | 5.379           | 11   | 5.513           | 12   | 5.254           |
| 13   | 5.468           | 14   | 5.449           | 15   | 5.470           | 16   | 5.616           |
| 17   | 5.287           | 18   | 5.393           | 19   | 5.560           | 20   | 5.256           |
| 21   | 5.689           | 22   | 5.647           | 23   | 5.707           | 24   | 5.413           |
| 25   | 5.364           | 26   | 5.445           | 27   | 5.485           | 28   | 5.615           |
| 29   | 5.566           | 30   | 5.610           | 31   | 5.359           | 32   | 5.723           |
| 33   | 5.629           | 34   | 5.312           | 35   | 5.296           | 36   | 5.341           |
| 37   | 5.400           | 38   | 5.611           | 39   | 5.475           | 40   | 5.463           |
| 41   | 5.625           | 42   | 5.412           | 43   | 5.573           | 44   | 5.434           |
| 45   | 5.457           | 46   | 5.540           | 47   | 5.264           | 48   | 5.496           |
| 49   | 5.706           | 50   | 5.724           | 51   | 5.597           | 52   | 5.299           |
| 53   | 5.324           | 54   | 5.539           | 55   | 5.455           | 56   | 5.547           |
| 57   | 5.542           | 58   | 5.631           | 59   | 5.367           | 60   | 5.363           |
| 61   | 5.601           | 62   | 5.714           | 63   | 5.590           | 64   | 5.365           |
| 65   | 5.578           | 66   | 5.453           | 67   | 5.416           | 68   | 5.471           |
| 69   | 5.698           | 70   | 5.323           | 71   | 5.605           | 72   | 5.635           |
| 73   | 5.537           | 74   | 5.352           | 75   | 5.339           | 76   | 5.378           |
| 77   | 5.317           | 78   | 5.257           | 79   | 5.717           | 80   | 5.637           |
| 81   | 5.654           | 82   | 5.361           | 83   | 5.511           | 84   | 5.510           |
| 85   | 5.380           | 86   | 5.594           | 87   | 5.699           | 88   | 5.600           |
| 89   | 5.648           | 90   | 5.683           | 91   | 5.671           | 92   | 5.283           |
| 93   | 5.684           | 94   | 5.508           | 95   | 5.337           | 96   | 5.342           |
| 97   | 5.617           | 98   | 5.278           | 99   | 5.398           | 100  | 5.497           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_04

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.267           | 2    | 5.612           | 3    | 5.554           | 4    | 5.569           |
| 5    | 5.698           | 6    | 5.718           | 7    | 5.288           | 8    | 5.716           |
| 9    | 5.621           | 10   | 5.723           | 11   | 5.322           | 12   | 5.511           |
| 13   | 5.570           | 14   | 5.683           | 15   | 5.721           | 16   | 5.530           |
| 17   | 5.508           | 18   | 5.451           | 19   | 5.416           | 20   | 5.521           |
| 21   | 5.501           | 22   | 5.460           | 23   | 5.527           | 24   | 5.699           |
| 25   | 5.363           | 26   | 5.470           | 27   | 5.304           | 28   | 5.623           |
| 29   | 5.453           | 30   | 5.426           | 31   | 5.441           | 32   | 5.579           |
| 33   | 5.398           | 34   | 5.669           | 35   | 5.333           | 36   | 5.468           |
| 37   | 5.557           | 38   | 5.517           | 39   | 5.665           | 40   | 5.610           |
| 41   | 5.448           | 42   | 5.629           | 43   | 5.380           | 44   | 5.262           |
| 45   | 5.597           | 46   | 5.285           | 47   | 5.318           | 48   | 5.266           |
| 49   | 5.270           | 50   | 5.381           | 51   | 5.315           | 52   | 5.401           |
| 53   | 5.463           | 54   | 5.298           | 55   | 5.607           | 56   | 5.700           |
| 57   | 5.711           | 58   | 5.417           | 59   | 5.717           | 60   | 5.360           |
| 61   | 5.429           | 62   | 5.654           | 63   | 5.524           | 64   | 5.496           |
| 65   | 5.445           | 66   | 5.499           | 67   | 5.280           | 68   | 5.386           |
| 69   | 5.351           | 70   | 5.687           | 71   | 5.584           | 72   | 5.356           |
| 73   | 5.661           | 74   | 5.589           | 75   | 5.663           | 76   | 5.657           |
| 77   | 5.478           | 78   | 5.659           | 79   | 5.389           | 80   | 5.513           |
| 81   | 5.555           | 82   | 5.458           | 83   | 5.502           | 84   | 5.420           |
| 85   | 5.549           | 86   | 5.690           | 87   | 5.641           | 88   | 5.648           |
| 89   | 5.452           | 90   | 5.473           | 91   | 5.542           | 92   | 5.588           |
| 93   | 5.632           | 94   | 5.439           | 95   | 5.250           | 96   | 5.348           |
| 97   | 5.466           | 98   | 5.541           | 99   | 5.481           | 100  | 5.562           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_05

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.538           | 2    | 5.423           | 3    | 5.481           | 4    | 5.307           |
| 5    | 5.357           | 6    | 5.593           | 7    | 5.615           | 8    | 5.404           |
| 9    | 5.711           | 10   | 5.490           | 11   | 5.550           | 12   | 5.416           |
| 13   | 5.519           | 14   | 5.541           | 15   | 5.339           | 16   | 5.612           |
| 17   | 5.699           | 18   | 5.653           | 19   | 5.350           | 20   | 5.369           |
| 21   | 5.373           | 22   | 5.656           | 23   | 5.672           | 24   | 5.688           |
| 25   | 5.403           | 26   | 5.522           | 27   | 5.665           | 28   | 5.675           |
| 29   | 5.297           | 30   | 5.402           | 31   | 5.588           | 32   | 5.673           |
| 33   | 5.421           | 34   | 5.512           | 35   | 5.537           | 36   | 5.715           |
| 37   | 5.299           | 38   | 5.686           | 39   | 5.263           | 40   | 5.679           |
| 41   | 5.391           | 42   | 5.313           | 43   | 5.480           | 44   | 5.561           |
| 45   | 5.523           | 46   | 5.389           | 47   | 5.692           | 48   | 5.569           |
| 49   | 5.556           | 50   | 5.578           | 51   | 5.425           | 52   | 5.517           |
| 53   | 5.475           | 54   | 5.532           | 55   | 5.255           | 56   | 5.375           |
| 57   | 5.349           | 58   | 5.436           | 59   | 5.424           | 60   | 5.271           |
| 61   | 5.390           | 62   | 5.585           | 63   | 5.652           | 64   | 5.486           |
| 65   | 5.722           | 66   | 5.280           | 67   | 5.554           | 68   | 5.514           |
| 69   | 5.587           | 70   | 5.683           | 71   | 5.321           | 72   | 5.547           |
| 73   | 5.590           | 74   | 5.432           | 75   | 5.548           | 76   | 5.657           |
| 77   | 5.279           | 78   | 5.693           | 79   | 5.671           | 80   | 5.539           |
| 81   | 5.438           | 82   | 5.301           | 83   | 5.544           | 84   | 5.670           |
| 85   | 5.346           | 86   | 5.463           | 87   | 5.394           | 88   | 5.567           |
| 89   | 5.526           | 90   | 5.434           | 91   | 5.467           | 92   | 5.611           |
| 93   | 5.295           | 94   | 5.647           | 95   | 5.602           | 96   | 5.318           |
| 97   | 5.714           | 98   | 5.649           | 99   | 5.695           | 100  | 5.630           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_06

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.527           | 2    | 5.604           | 3    | 5.380           | 4    | 5.393           |
| 5    | 5.280           | 6    | 5.665           | 7    | 5.273           | 8    | 5.473           |
| 9    | 5.566           | 10   | 5.647           | 11   | 5.694           | 12   | 5.645           |
| 13   | 5.528           | 14   | 5.359           | 15   | 5.369           | 16   | 5.564           |
| 17   | 5.497           | 18   | 5.669           | 19   | 5.508           | 20   | 5.459           |
| 21   | 5.342           | 22   | 5.563           | 23   | 5.531           | 24   | 5.605           |
| 25   | 5.322           | 26   | 5.436           | 27   | 5.394           | 28   | 5.611           |
| 29   | 5.295           | 30   | 5.441           | 31   | 5.622           | 32   | 5.469           |
| 33   | 5.652           | 34   | 5.638           | 35   | 5.308           | 36   | 5.375           |
| 37   | 5.374           | 38   | 5.309           | 39   | 5.439           | 40   | 5.626           |
| 41   | 5.688           | 42   | 5.345           | 43   | 5.514           | 44   | 5.646           |
| 45   | 5.602           | 46   | 5.666           | 47   | 5.254           | 48   | 5.271           |
| 49   | 5.347           | 50   | 5.470           | 51   | 5.408           | 52   | 5.700           |
| 53   | 5.467           | 54   | 5.480           | 55   | 5.337           | 56   | 5.673           |
| 57   | 5.506           | 58   | 5.417           | 59   | 5.512           | 60   | 5.348           |
| 61   | 5.317           | 62   | 5.621           | 63   | 5.368           | 64   | 5.557           |
| 65   | 5.722           | 66   | 5.266           | 67   | 5.363           | 68   | 5.678           |
| 69   | 5.305           | 70   | 5.485           | 71   | 5.352           | 72   | 5.668           |
| 73   | 5.720           | 74   | 5.509           | 75   | 5.403           | 76   | 5.460           |
| 77   | 5.351           | 78   | 5.556           | 79   | 5.259           | 80   | 5.629           |
| 81   | 5.454           | 82   | 5.723           | 83   | 5.291           | 84   | 5.356           |
| 85   | 5.496           | 86   | 5.681           | 87   | 5.376           | 88   | 5.689           |
| 89   | 5.461           | 90   | 5.711           | 91   | 5.381           | 92   | 5.279           |
| 93   | 5.267           | 94   | 5.533           | 95   | 5.367           | 96   | 5.361           |
| 97   | 5.468           | 98   | 5.389           | 99   | 5.261           | 100  | 5.357           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_07

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.273           | 2    | 5.275           | 3    | 5.630           | 4    | 5.277           |
| 5    | 5.532           | 6    | 5.396           | 7    | 5.342           | 8    | 5.379           |
| 9    | 5.283           | 10   | 5.475           | 11   | 5.423           | 12   | 5.571           |
| 13   | 5.516           | 14   | 5.382           | 15   | 5.467           | 16   | 5.429           |
| 17   | 5.537           | 18   | 5.386           | 19   | 5.678           | 20   | 5.544           |
| 21   | 5.657           | 22   | 5.527           | 23   | 5.340           | 24   | 5.470           |
| 25   | 5.440           | 26   | 5.332           | 27   | 5.406           | 28   | 5.373           |
| 29   | 5.299           | 30   | 5.385           | 31   | 5.314           | 32   | 5.255           |
| 33   | 5.503           | 34   | 5.507           | 35   | 5.335           | 36   | 5.476           |
| 37   | 5.310           | 38   | 5.383           | 39   | 5.337           | 40   | 5.518           |
| 41   | 5.464           | 42   | 5.674           | 43   | 5.560           | 44   | 5.322           |
| 45   | 5.631           | 46   | 5.446           | 47   | 5.270           | 48   | 5.708           |
| 49   | 5.590           | 50   | 5.365           | 51   | 5.591           | 52   | 5.706           |
| 53   | 5.318           | 54   | 5.402           | 55   | 5.703           | 56   | 5.662           |
| 57   | 5.457           | 58   | 5.414           | 59   | 5.278           | 60   | 5.308           |
| 61   | 5.569           | 62   | 5.407           | 63   | 5.426           | 64   | 5.376           |
| 65   | 5.321           | 66   | 5.384           | 67   | 5.381           | 68   | 5.542           |
| 69   | 5.558           | 70   | 5.472           | 71   | 5.684           | 72   | 5.553           |
| 73   | 5.306           | 74   | 5.401           | 75   | 5.715           | 76   | 5.458           |
| 77   | 5.575           | 78   | 5.654           | 79   | 5.352           | 80   | 5.671           |
| 81   | 5.710           | 82   | 5.479           | 83   | 5.690           | 84   | 5.297           |
| 85   | 5.528           | 86   | 5.276           | 87   | 5.368           | 88   | 5.585           |
| 89   | 5.596           | 90   | 5.353           | 91   | 5.681           | 92   | 5.442           |
| 93   | 5.266           | 94   | 5.268           | 95   | 5.291           | 96   | 5.615           |
| 97   | 5.416           | 98   | 5.699           | 99   | 5.663           | 100  | 5.293           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_08

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.706           | 2    | 5.662           | 3    | 5.360           | 4    | 5.585           |
| 5    | 5.609           | 6    | 5.471           | 7    | 5.569           | 8    | 5.485           |
| 9    | 5.292           | 10   | 5.673           | 11   | 5.486           | 12   | 5.626           |
| 13   | 5.430           | 14   | 5.563           | 15   | 5.659           | 16   | 5.287           |
| 17   | 5.687           | 18   | 5.719           | 19   | 5.616           | 20   | 5.668           |
| 21   | 5.621           | 22   | 5.591           | 23   | 5.329           | 24   | 5.558           |
| 25   | 5.540           | 26   | 5.623           | 27   | 5.393           | 28   | 5.712           |
| 29   | 5.689           | 30   | 5.370           | 31   | 5.451           | 32   | 5.545           |
| 33   | 5.448           | 34   | 5.394           | 35   | 5.588           | 36   | 5.633           |
| 37   | 5.561           | 38   | 5.418           | 39   | 5.522           | 40   | 5.707           |
| 41   | 5.480           | 42   | 5.414           | 43   | 5.491           | 44   | 5.312           |
| 45   | 5.704           | 46   | 5.317           | 47   | 5.291           | 48   | 5.319           |
| 49   | 5.321           | 50   | 5.681           | 51   | 5.273           | 52   | 5.473           |
| 53   | 5.547           | 54   | 5.457           | 55   | 5.404           | 56   | 5.456           |
| 57   | 5.296           | 58   | 5.299           | 59   | 5.358           | 60   | 5.684           |
| 61   | 5.705           | 62   | 5.581           | 63   | 5.355           | 64   | 5.592           |
| 65   | 5.575           | 66   | 5.436           | 67   | 5.284           | 68   | 5.381           |
| 69   | 5.542           | 70   | 5.388           | 71   | 5.267           | 72   | 5.254           |
| 73   | 5.643           | 74   | 5.257           | 75   | 5.618           | 76   | 5.332           |
| 77   | 5.560           | 78   | 5.647           | 79   | 5.362           | 80   | 5.677           |
| 81   | 5.670           | 82   | 5.651           | 83   | 5.656           | 84   | 5.425           |
| 85   | 5.584           | 86   | 5.612           | 87   | 5.379           | 88   | 5.368           |
| 89   | 5.600           | 90   | 5.489           | 91   | 5.657           | 92   | 5.357           |
| 93   | 5.263           | 94   | 5.277           | 95   | 5.583           | 96   | 5.555           |
| 97   | 5.307           | 98   | 5.658           | 99   | 5.286           | 100  | 5.487           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_09

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.358           | 2    | 5.423           | 3    | 5.255           | 4    | 5.380           |
| 5    | 5.477           | 6    | 5.387           | 7    | 5.724           | 8    | 5.629           |
| 9    | 5.466           | 10   | 5.254           | 11   | 5.611           | 12   | 5.379           |
| 13   | 5.395           | 14   | 5.702           | 15   | 5.508           | 16   | 5.543           |
| 17   | 5.261           | 18   | 5.360           | 19   | 5.696           | 20   | 5.411           |
| 21   | 5.394           | 22   | 5.460           | 23   | 5.592           | 24   | 5.528           |
| 25   | 5.692           | 26   | 5.449           | 27   | 5.281           | 28   | 5.285           |
| 29   | 5.279           | 30   | 5.558           | 31   | 5.348           | 32   | 5.496           |
| 33   | 5.418           | 34   | 5.647           | 35   | 5.661           | 36   | 5.517           |
| 37   | 5.607           | 38   | 5.359           | 39   | 5.636           | 40   | 5.650           |
| 41   | 5.559           | 42   | 5.642           | 43   | 5.713           | 44   | 5.274           |
| 45   | 5.322           | 46   | 5.604           | 47   | 5.667           | 48   | 5.674           |
| 49   | 5.564           | 50   | 5.414           | 51   | 5.627           | 52   | 5.489           |
| 53   | 5.431           | 54   | 5.298           | 55   | 5.439           | 56   | 5.353           |
| 57   | 5.339           | 58   | 5.398           | 59   | 5.457           | 60   | 5.497           |
| 61   | 5.511           | 62   | 5.390           | 63   | 5.710           | 64   | 5.407           |
| 65   | 5.334           | 66   | 5.609           | 67   | 5.665           | 68   | 5.263           |
| 69   | 5.706           | 70   | 5.259           | 71   | 5.484           | 72   | 5.479           |
| 73   | 5.381           | 74   | 5.693           | 75   | 5.341           | 76   | 5.351           |
| 77   | 5.614           | 78   | 5.566           | 79   | 5.422           | 80   | 5.475           |
| 81   | 5.467           | 82   | 5.386           | 83   | 5.492           | 84   | 5.705           |
| 85   | 5.504           | 86   | 5.399           | 87   | 5.286           | 88   | 5.610           |
| 89   | 5.267           | 90   | 5.670           | 91   | 5.646           | 92   | 5.265           |
| 93   | 5.486           | 94   | 5.635           | 95   | 5.615           | 96   | 5.608           |
| 97   | 5.633           | 98   | 5.514           | 99   | 5.723           | 100  | 5.372           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_10

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.597           | 2    | 5.266           | 3    | 5.337           | 4    | 5.578           |
| 5    | 5.512           | 6    | 5.712           | 7    | 5.553           | 8    | 5.671           |
| 9    | 5.628           | 10   | 5.713           | 11   | 5.392           | 12   | 5.346           |
| 13   | 5.681           | 14   | 5.520           | 15   | 5.356           | 16   | 5.488           |
| 17   | 5.257           | 18   | 5.393           | 19   | 5.458           | 20   | 5.605           |
| 21   | 5.297           | 22   | 5.287           | 23   | 5.637           | 24   | 5.710           |
| 25   | 5.505           | 26   | 5.549           | 27   | 5.455           | 28   | 5.385           |
| 29   | 5.344           | 30   | 5.402           | 31   | 5.534           | 32   | 5.452           |
| 33   | 5.404           | 34   | 5.461           | 35   | 5.363           | 36   | 5.322           |
| 37   | 5.309           | 38   | 5.638           | 39   | 5.299           | 40   | 5.445           |
| 41   | 5.368           | 42   | 5.288           | 43   | 5.624           | 44   | 5.516           |
| 45   | 5.298           | 46   | 5.548           | 47   | 5.694           | 48   | 5.685           |
| 49   | 5.716           | 50   | 5.500           | 51   | 5.618           | 52   | 5.431           |
| 53   | 5.286           | 54   | 5.547           | 55   | 5.328           | 56   | 5.351           |
| 57   | 5.595           | 58   | 5.253           | 59   | 5.723           | 60   | 5.350           |
| 61   | 5.613           | 62   | 5.542           | 63   | 5.325           | 64   | 5.255           |
| 65   | 5.433           | 66   | 5.469           | 67   | 5.539           | 68   | 5.420           |
| 69   | 5.487           | 70   | 5.345           | 71   | 5.634           | 72   | 5.483           |
| 73   | 5.606           | 74   | 5.722           | 75   | 5.399           | 76   | 5.386           |
| 77   | 5.342           | 78   | 5.459           | 79   | 5.689           | 80   | 5.658           |
| 81   | 5.599           | 82   | 5.557           | 83   | 5.478           | 84   | 5.477           |
| 85   | 5.603           | 86   | 5.473           | 87   | 5.410           | 88   | 5.540           |
| 89   | 5.446           | 90   | 5.443           | 91   | 5.623           | 92   | 5.550           |
| 93   | 5.616           | 94   | 5.670           | 95   | 5.376           | 96   | 5.341           |
| 97   | 5.412           | 98   | 5.596           | 99   | 5.693           | 100  | 5.347           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_11

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.481           | 2    | 5.267           | 3    | 5.677           | 4    | 5.358           |
| 5    | 5.424           | 6    | 5.457           | 7    | 5.486           | 8    | 5.285           |
| 9    | 5.455           | 10   | 5.632           | 11   | 5.637           | 12   | 5.679           |
| 13   | 5.534           | 14   | 5.651           | 15   | 5.341           | 16   | 5.376           |
| 17   | 5.580           | 18   | 5.705           | 19   | 5.505           | 20   | 5.438           |
| 21   | 5.610           | 22   | 5.606           | 23   | 5.682           | 24   | 5.578           |
| 25   | 5.627           | 26   | 5.674           | 27   | 5.410           | 28   | 5.370           |
| 29   | 5.631           | 30   | 5.475           | 31   | 5.514           | 32   | 5.694           |
| 33   | 5.405           | 34   | 5.555           | 35   | 5.659           | 36   | 5.420           |
| 37   | 5.533           | 38   | 5.575           | 39   | 5.508           | 40   | 5.266           |
| 41   | 5.471           | 42   | 5.657           | 43   | 5.392           | 44   | 5.339           |
| 45   | 5.562           | 46   | 5.348           | 47   | 5.497           | 48   | 5.278           |
| 49   | 5.628           | 50   | 5.643           | 51   | 5.292           | 52   | 5.528           |
| 53   | 5.595           | 54   | 5.450           | 55   | 5.461           | 56   | 5.387           |
| 57   | 5.665           | 58   | 5.257           | 59   | 5.454           | 60   | 5.301           |
| 61   | 5.540           | 62   | 5.571           | 63   | 5.391           | 64   | 5.568           |
| 65   | 5.343           | 66   | 5.347           | 67   | 5.565           | 68   | 5.718           |
| 69   | 5.646           | 70   | 5.488           | 71   | 5.608           | 72   | 5.710           |
| 73   | 5.569           | 74   | 5.377           | 75   | 5.408           | 76   | 5.572           |
| 77   | 5.626           | 78   | 5.666           | 79   | 5.412           | 80   | 5.284           |
| 81   | 5.473           | 82   | 5.459           | 83   | 5.402           | 84   | 5.416           |
| 85   | 5.480           | 86   | 5.525           | 87   | 5.413           | 88   | 5.519           |
| 89   | 5.375           | 90   | 5.602           | 91   | 5.640           | 92   | 5.478           |
| 93   | 5.418           | 94   | 5.653           | 95   | 5.681           | 96   | 5.421           |
| 97   | 5.638           | 98   | 5.714           | 99   | 5.536           | 100  | 5.673           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_12

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.585           | 2    | 5.257           | 3    | 5.621           | 4    | 5.720           |
| 5    | 5.611           | 6    | 5.538           | 7    | 5.556           | 8    | 5.427           |
| 9    | 5.657           | 10   | 5.628           | 11   | 5.508           | 12   | 5.367           |
| 13   | 5.291           | 14   | 5.341           | 15   | 5.300           | 16   | 5.485           |
| 17   | 5.630           | 18   | 5.648           | 19   | 5.697           | 20   | 5.378           |
| 21   | 5.386           | 22   | 5.711           | 23   | 5.584           | 24   | 5.350           |
| 25   | 5.365           | 26   | 5.337           | 27   | 5.501           | 28   | 5.272           |
| 29   | 5.463           | 30   | 5.420           | 31   | 5.668           | 32   | 5.283           |
| 33   | 5.323           | 34   | 5.640           | 35   | 5.629           | 36   | 5.502           |
| 37   | 5.612           | 38   | 5.329           | 39   | 5.469           | 40   | 5.701           |
| 41   | 5.588           | 42   | 5.295           | 43   | 5.418           | 44   | 5.683           |
| 45   | 5.315           | 46   | 5.573           | 47   | 5.517           | 48   | 5.592           |
| 49   | 5.387           | 50   | 5.311           | 51   | 5.595           | 52   | 5.580           |
| 53   | 5.445           | 54   | 5.381           | 55   | 5.318           | 56   | 5.523           |
| 57   | 5.271           | 58   | 5.705           | 59   | 5.712           | 60   | 5.669           |
| 61   | 5.715           | 62   | 5.507           | 63   | 5.623           | 64   | 5.491           |
| 65   | 5.515           | 66   | 5.604           | 67   | 5.267           | 68   | 5.368           |
| 69   | 5.625           | 70   | 5.714           | 71   | 5.581           | 72   | 5.407           |
| 73   | 5.665           | 74   | 5.475           | 75   | 5.616           | 76   | 5.276           |
| 77   | 5.474           | 78   | 5.716           | 79   | 5.423           | 80   | 5.302           |
| 81   | 5.410           | 82   | 5.496           | 83   | 5.471           | 84   | 5.413           |
| 85   | 5.339           | 86   | 5.565           | 87   | 5.266           | 88   | 5.352           |
| 89   | 5.521           | 90   | 5.275           | 91   | 5.652           | 92   | 5.653           |
| 93   | 5.601           | 94   | 5.593           | 95   | 5.681           | 96   | 5.656           |
| 97   | 5.476           | 98   | 5.498           | 99   | 5.348           | 100  | 5.446           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_13

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.303           | 2    | 5.525           | 3    | 5.524           | 4    | 5.392           |
| 5    | 5.396           | 6    | 5.518           | 7    | 5.534           | 8    | 5.685           |
| 9    | 5.573           | 10   | 5.406           | 11   | 5.468           | 12   | 5.389           |
| 13   | 5.492           | 14   | 5.341           | 15   | 5.585           | 16   | 5.540           |
| 17   | 5.323           | 18   | 5.653           | 19   | 5.652           | 20   | 5.269           |
| 21   | 5.460           | 22   | 5.387           | 23   | 5.443           | 24   | 5.424           |
| 25   | 5.643           | 26   | 5.678           | 27   | 5.312           | 28   | 5.526           |
| 29   | 5.675           | 30   | 5.626           | 31   | 5.515           | 32   | 5.668           |
| 33   | 5.495           | 34   | 5.611           | 35   | 5.633           | 36   | 5.408           |
| 37   | 5.344           | 38   | 5.305           | 39   | 5.493           | 40   | 5.623           |
| 41   | 5.717           | 42   | 5.411           | 43   | 5.569           | 44   | 5.516           |
| 45   | 5.478           | 46   | 5.538           | 47   | 5.673           | 48   | 5.255           |
| 49   | 5.566           | 50   | 5.340           | 51   | 5.512           | 52   | 5.463           |
| 53   | 5.561           | 54   | 5.661           | 55   | 5.624           | 56   | 5.713           |
| 57   | 5.256           | 58   | 5.533           | 59   | 5.322           | 60   | 5.503           |
| 61   | 5.487           | 62   | 5.394           | 63   | 5.638           | 64   | 5.436           |
| 65   | 5.311           | 66   | 5.635           | 67   | 5.298           | 68   | 5.284           |
| 69   | 5.375           | 70   | 5.336           | 71   | 5.694           | 72   | 5.456           |
| 73   | 5.295           | 74   | 5.577           | 75   | 5.605           | 76   | 5.625           |
| 77   | 5.417           | 78   | 5.592           | 79   | 5.437           | 80   | 5.627           |
| 81   | 5.629           | 82   | 5.388           | 83   | 5.414           | 84   | 5.264           |
| 85   | 5.572           | 86   | 5.701           | 87   | 5.360           | 88   | 5.508           |
| 89   | 5.689           | 90   | 5.266           | 91   | 5.707           | 92   | 5.543           |
| 93   | 5.671           | 94   | 5.632           | 95   | 5.596           | 96   | 5.407           |
| 97   | 5.510           | 98   | 5.612           | 99   | 5.337           | 100  | 5.576           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_14

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.320           | 2    | 5.569           | 3    | 5.430           | 4    | 5.515           |
| 5    | 5.378           | 6    | 5.686           | 7    | 5.418           | 8    | 5.682           |
| 9    | 5.367           | 10   | 5.715           | 11   | 5.444           | 12   | 5.405           |
| 13   | 5.695           | 14   | 5.421           | 15   | 5.574           | 16   | 5.293           |
| 17   | 5.266           | 18   | 5.450           | 19   | 5.462           | 20   | 5.524           |
| 21   | 5.499           | 22   | 5.520           | 23   | 5.455           | 24   | 5.270           |
| 25   | 5.345           | 26   | 5.560           | 27   | 5.466           | 28   | 5.491           |
| 29   | 5.498           | 30   | 5.602           | 31   | 5.274           | 32   | 5.550           |
| 33   | 5.393           | 34   | 5.454           | 35   | 5.268           | 36   | 5.590           |
| 37   | 5.608           | 38   | 5.424           | 39   | 5.600           | 40   | 5.276           |
| 41   | 5.305           | 42   | 5.374           | 43   | 5.588           | 44   | 5.662           |
| 45   | 5.541           | 46   | 5.516           | 47   | 5.463           | 48   | 5.677           |
| 49   | 5.555           | 50   | 5.540           | 51   | 5.649           | 52   | 5.484           |
| 53   | 5.639           | 54   | 5.641           | 55   | 5.655           | 56   | 5.316           |
| 57   | 5.678           | 58   | 5.357           | 59   | 5.547           | 60   | 5.269           |
| 61   | 5.397           | 62   | 5.318           | 63   | 5.302           | 64   | 5.596           |
| 65   | 5.411           | 66   | 5.538           | 67   | 5.568           | 68   | 5.626           |
| 69   | 5.694           | 70   | 5.671           | 71   | 5.323           | 72   | 5.267           |
| 73   | 5.693           | 74   | 5.643           | 75   | 5.443           | 76   | 5.598           |
| 77   | 5.502           | 78   | 5.528           | 79   | 5.341           | 80   | 5.445           |
| 81   | 5.691           | 82   | 5.353           | 83   | 5.368           | 84   | 5.575           |
| 85   | 5.344           | 86   | 5.440           | 87   | 5.489           | 88   | 5.501           |
| 89   | 5.292           | 90   | 5.355           | 91   | 5.534           | 92   | 5.642           |
| 93   | 5.423           | 94   | 5.545           | 95   | 5.470           | 96   | 5.409           |
| 97   | 5.425           | 98   | 5.612           | 99   | 5.651           | 100  | 5.688           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_15

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.679           | 2    | 5.438           | 3    | 5.375           | 4    | 5.447           |
| 5    | 5.698           | 6    | 5.642           | 7    | 5.366           | 8    | 5.662           |
| 9    | 5.653           | 10   | 5.250           | 11   | 5.299           | 12   | 5.427           |
| 13   | 5.303           | 14   | 5.277           | 15   | 5.283           | 16   | 5.574           |
| 17   | 5.720           | 18   | 5.279           | 19   | 5.455           | 20   | 5.470           |
| 21   | 5.638           | 22   | 5.639           | 23   | 5.323           | 24   | 5.643           |
| 25   | 5.619           | 26   | 5.575           | 27   | 5.633           | 28   | 5.710           |
| 29   | 5.411           | 30   | 5.645           | 31   | 5.712           | 32   | 5.510           |
| 33   | 5.604           | 34   | 5.680           | 35   | 5.284           | 36   | 5.357           |
| 37   | 5.397           | 38   | 5.322           | 39   | 5.294           | 40   | 5.681           |
| 41   | 5.555           | 42   | 5.523           | 43   | 5.591           | 44   | 5.593           |
| 45   | 5.392           | 46   | 5.342           | 47   | 5.401           | 48   | 5.255           |
| 49   | 5.363           | 50   | 5.345           | 51   | 5.348           | 52   | 5.281           |
| 53   | 5.449           | 54   | 5.319           | 55   | 5.671           | 56   | 5.498           |
| 57   | 5.558           | 58   | 5.350           | 59   | 5.464           | 60   | 5.405           |
| 61   | 5.717           | 62   | 5.317           | 63   | 5.669           | 64   | 5.526           |
| 65   | 5.530           | 66   | 5.597           | 67   | 5.329           | 68   | 5.508           |
| 69   | 5.270           | 70   | 5.552           | 71   | 5.634           | 72   | 5.355           |
| 73   | 5.646           | 74   | 5.461           | 75   | 5.516           | 76   | 5.380           |
| 77   | 5.263           | 78   | 5.387           | 79   | 5.306           | 80   | 5.341           |
| 81   | 5.605           | 82   | 5.606           | 83   | 5.687           | 84   | 5.637           |
| 85   | 5.362           | 86   | 5.325           | 87   | 5.305           | 88   | 5.326           |
| 89   | 5.688           | 90   | 5.390           | 91   | 5.477           | 92   | 5.567           |
| 93   | 5.320           | 94   | 5.651           | 95   | 5.499           | 96   | 5.721           |
| 97   | 5.296           | 98   | 5.410           | 99   | 5.673           | 100  | 5.586           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_16

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.426           | 2    | 5.604           | 3    | 5.396           | 4    | 5.259           |
| 5    | 5.410           | 6    | 5.543           | 7    | 5.666           | 8    | 5.395           |
| 9    | 5.569           | 10   | 5.340           | 11   | 5.348           | 12   | 5.690           |
| 13   | 5.679           | 14   | 5.628           | 15   | 5.515           | 16   | 5.588           |
| 17   | 5.436           | 18   | 5.547           | 19   | 5.555           | 20   | 5.385           |
| 21   | 5.456           | 22   | 5.563           | 23   | 5.499           | 24   | 5.573           |
| 25   | 5.526           | 26   | 5.264           | 27   | 5.521           | 28   | 5.528           |
| 29   | 5.334           | 30   | 5.363           | 31   | 5.470           | 32   | 5.386           |
| 33   | 5.275           | 34   | 5.693           | 35   | 5.493           | 36   | 5.427           |
| 37   | 5.665           | 38   | 5.446           | 39   | 5.681           | 40   | 5.382           |
| 41   | 5.336           | 42   | 5.416           | 43   | 5.447           | 44   | 5.390           |
| 45   | 5.278           | 46   | 5.685           | 47   | 5.263           | 48   | 5.342           |
| 49   | 5.345           | 50   | 5.343           | 51   | 5.497           | 52   | 5.653           |
| 53   | 5.417           | 54   | 5.309           | 55   | 5.509           | 56   | 5.579           |
| 57   | 5.441           | 58   | 5.684           | 59   | 5.397           | 60   | 5.341           |
| 61   | 5.372           | 62   | 5.315           | 63   | 5.554           | 64   | 5.540           |
| 65   | 5.546           | 66   | 5.268           | 67   | 5.299           | 68   | 5.561           |
| 69   | 5.317           | 70   | 5.656           | 71   | 5.318           | 72   | 5.703           |
| 73   | 5.516           | 74   | 5.544           | 75   | 5.454           | 76   | 5.414           |
| 77   | 5.273           | 78   | 5.574           | 79   | 5.535           | 80   | 5.380           |
| 81   | 5.457           | 82   | 5.595           | 83   | 5.548           | 84   | 5.466           |
| 85   | 5.672           | 86   | 5.271           | 87   | 5.486           | 88   | 5.650           |
| 89   | 5.490           | 90   | 5.699           | 91   | 5.381           | 92   | 5.581           |
| 93   | 5.276           | 94   | 5.550           | 95   | 5.487           | 96   | 5.402           |
| 97   | 5.257           | 98   | 5.406           | 99   | 5.323           | 100  | 5.371           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_17

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.421           | 2    | 5.452           | 3    | 5.547           | 4    | 5.598           |
| 5    | 5.335           | 6    | 5.378           | 7    | 5.572           | 8    | 5.279           |
| 9    | 5.419           | 10   | 5.605           | 11   | 5.553           | 12   | 5.461           |
| 13   | 5.406           | 14   | 5.397           | 15   | 5.293           | 16   | 5.401           |
| 17   | 5.435           | 18   | 5.596           | 19   | 5.683           | 20   | 5.352           |
| 21   | 5.480           | 22   | 5.416           | 23   | 5.575           | 24   | 5.543           |
| 25   | 5.708           | 26   | 5.449           | 27   | 5.652           | 28   | 5.372           |
| 29   | 5.661           | 30   | 5.483           | 31   | 5.588           | 32   | 5.315           |
| 33   | 5.251           | 34   | 5.611           | 35   | 5.667           | 36   | 5.264           |
| 37   | 5.283           | 38   | 5.339           | 39   | 5.592           | 40   | 5.363           |
| 41   | 5.629           | 42   | 5.594           | 43   | 5.518           | 44   | 5.674           |
| 45   | 5.573           | 46   | 5.531           | 47   | 5.323           | 48   | 5.405           |
| 49   | 5.353           | 50   | 5.617           | 51   | 5.468           | 52   | 5.671           |
| 53   | 5.695           | 54   | 5.269           | 55   | 5.515           | 56   | 5.580           |
| 57   | 5.649           | 58   | 5.673           | 59   | 5.299           | 60   | 5.644           |
| 61   | 5.509           | 62   | 5.650           | 63   | 5.500           | 64   | 5.467           |
| 65   | 5.344           | 66   | 5.614           | 67   | 5.538           | 68   | 5.622           |
| 69   | 5.645           | 70   | 5.721           | 71   | 5.368           | 72   | 5.627           |
| 73   | 5.260           | 74   | 5.620           | 75   | 5.601           | 76   | 5.356           |
| 77   | 5.413           | 78   | 5.340           | 79   | 5.451           | 80   | 5.697           |
| 81   | 5.643           | 82   | 5.519           | 83   | 5.444           | 84   | 5.578           |
| 85   | 5.624           | 86   | 5.556           | 87   | 5.551           | 88   | 5.355           |
| 89   | 5.677           | 90   | 5.439           | 91   | 5.548           | 92   | 5.338           |
| 93   | 5.277           | 94   | 5.387           | 95   | 5.252           | 96   | 5.311           |
| 97   | 5.651           | 98   | 5.599           | 99   | 5.574           | 100  | 5.600           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_18

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.487           | 2    | 5.444           | 3    | 5.562           | 4    | 5.715           |
| 5    | 5.662           | 6    | 5.308           | 7    | 5.379           | 8    | 5.453           |
| 9    | 5.368           | 10   | 5.629           | 11   | 5.514           | 12   | 5.329           |
| 13   | 5.538           | 14   | 5.356           | 15   | 5.588           | 16   | 5.391           |
| 17   | 5.413           | 18   | 5.700           | 19   | 5.381           | 20   | 5.618           |
| 21   | 5.455           | 22   | 5.558           | 23   | 5.352           | 24   | 5.582           |
| 25   | 5.283           | 26   | 5.709           | 27   | 5.542           | 28   | 5.394           |
| 29   | 5.663           | 30   | 5.689           | 31   | 5.288           | 32   | 5.262           |
| 33   | 5.370           | 34   | 5.371           | 35   | 5.577           | 36   | 5.702           |
| 37   | 5.299           | 38   | 5.465           | 39   | 5.325           | 40   | 5.503           |
| 41   | 5.312           | 42   | 5.549           | 43   | 5.451           | 44   | 5.314           |
| 45   | 5.319           | 46   | 5.274           | 47   | 5.682           | 48   | 5.388           |
| 49   | 5.546           | 50   | 5.513           | 51   | 5.474           | 52   | 5.713           |
| 53   | 5.260           | 54   | 5.251           | 55   | 5.722           | 56   | 5.408           |
| 57   | 5.625           | 58   | 5.392           | 59   | 5.418           | 60   | 5.389           |
| 61   | 5.492           | 62   | 5.668           | 63   | 5.697           | 64   | 5.482           |
| 65   | 5.300           | 66   | 5.647           | 67   | 5.599           | 68   | 5.494           |
| 69   | 5.571           | 70   | 5.348           | 71   | 5.460           | 72   | 5.716           |
| 73   | 5.551           | 74   | 5.327           | 75   | 5.366           | 76   | 5.509           |
| 77   | 5.600           | 78   | 5.406           | 79   | 5.622           | 80   | 5.495           |
| 81   | 5.712           | 82   | 5.404           | 83   | 5.421           | 84   | 5.464           |
| 85   | 5.393           | 86   | 5.470           | 87   | 5.676           | 88   | 5.617           |
| 89   | 5.594           | 90   | 5.637           | 91   | 5.425           | 92   | 5.691           |
| 93   | 5.278           | 94   | 5.410           | 95   | 5.486           | 96   | 5.632           |
| 97   | 5.653           | 98   | 5.400           | 99   | 5.572           | 100  | 5.426           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_19

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.329           | 2    | 5.351           | 3    | 5.639           | 4    | 5.713           |
| 5    | 5.256           | 6    | 5.715           | 7    | 5.672           | 8    | 5.430           |
| 9    | 5.291           | 10   | 5.665           | 11   | 5.459           | 12   | 5.427           |
| 13   | 5.693           | 14   | 5.462           | 15   | 5.571           | 16   | 5.573           |
| 17   | 5.474           | 18   | 5.262           | 19   | 5.596           | 20   | 5.287           |
| 21   | 5.327           | 22   | 5.341           | 23   | 5.326           | 24   | 5.701           |
| 25   | 5.457           | 26   | 5.576           | 27   | 5.681           | 28   | 5.620           |
| 29   | 5.325           | 30   | 5.671           | 31   | 5.543           | 32   | 5.720           |
| 33   | 5.521           | 34   | 5.360           | 35   | 5.485           | 36   | 5.509           |
| 37   | 5.408           | 38   | 5.334           | 39   | 5.555           | 40   | 5.315           |
| 41   | 5.417           | 42   | 5.694           | 43   | 5.623           | 44   | 5.654           |
| 45   | 5.253           | 46   | 5.499           | 47   | 5.544           | 48   | 5.293           |
| 49   | 5.708           | 50   | 5.372           | 51   | 5.366           | 52   | 5.520           |
| 53   | 5.302           | 54   | 5.711           | 55   | 5.590           | 56   | 5.477           |
| 57   | 5.349           | 58   | 5.712           | 59   | 5.305           | 60   | 5.281           |
| 61   | 5.383           | 62   | 5.467           | 63   | 5.397           | 64   | 5.388           |
| 65   | 5.527           | 66   | 5.540           | 67   | 5.651           | 68   | 5.511           |
| 69   | 5.386           | 70   | 5.370           | 71   | 5.580           | 72   | 5.517           |
| 73   | 5.684           | 74   | 5.519           | 75   | 5.435           | 76   | 5.444           |
| 77   | 5.535           | 78   | 5.298           | 79   | 5.699           | 80   | 5.554           |
| 81   | 5.514           | 82   | 5.319           | 83   | 5.473           | 84   | 5.348           |
| 85   | 5.705           | 86   | 5.594           | 87   | 5.323           | 88   | 5.484           |
| 89   | 5.506           | 90   | 5.714           | 91   | 5.411           | 92   | 5.359           |
| 93   | 5.421           | 94   | 5.487           | 95   | 5.258           | 96   | 5.312           |
| 97   | 5.491           | 98   | 5.269           | 99   | 5.320           | 100  | 5.641           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_20

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.288           | 2    | 5.291           | 3    | 5.457           | 4    | 5.252           |
| 5    | 5.596           | 6    | 5.598           | 7    | 5.306           | 8    | 5.434           |
| 9    | 5.633           | 10   | 5.625           | 11   | 5.374           | 12   | 5.477           |
| 13   | 5.684           | 14   | 5.272           | 15   | 5.664           | 16   | 5.441           |
| 17   | 5.399           | 18   | 5.586           | 19   | 5.261           | 20   | 5.656           |
| 21   | 5.621           | 22   | 5.373           | 23   | 5.280           | 24   | 5.376           |
| 25   | 5.349           | 26   | 5.530           | 27   | 5.632           | 28   | 5.348           |
| 29   | 5.333           | 30   | 5.618           | 31   | 5.391           | 32   | 5.283           |
| 33   | 5.265           | 34   | 5.273           | 35   | 5.594           | 36   | 5.440           |
| 37   | 5.548           | 38   | 5.651           | 39   | 5.724           | 40   | 5.584           |
| 41   | 5.676           | 42   | 5.682           | 43   | 5.506           | 44   | 5.294           |
| 45   | 5.679           | 46   | 5.323           | 47   | 5.649           | 48   | 5.497           |
| 49   | 5.361           | 50   | 5.337           | 51   | 5.286           | 52   | 5.268           |
| 53   | 5.524           | 54   | 5.513           | 55   | 5.257           | 56   | 5.300           |
| 57   | 5.697           | 58   | 5.504           | 59   | 5.492           | 60   | 5.607           |
| 61   | 5.525           | 62   | 5.377           | 63   | 5.432           | 64   | 5.310           |
| 65   | 5.320           | 66   | 5.661           | 67   | 5.250           | 68   | 5.493           |
| 69   | 5.593           | 70   | 5.346           | 71   | 5.456           | 72   | 5.307           |
| 73   | 5.368           | 74   | 5.281           | 75   | 5.636           | 76   | 5.382           |
| 77   | 5.540           | 78   | 5.538           | 79   | 5.502           | 80   | 5.573           |
| 81   | 5.692           | 82   | 5.445           | 83   | 5.590           | 84   | 5.370           |
| 85   | 5.570           | 86   | 5.439           | 87   | 5.654           | 88   | 5.443           |
| 89   | 5.352           | 90   | 5.581           | 91   | 5.295           | 92   | 5.681           |
| 93   | 5.322           | 94   | 5.680           | 95   | 5.327           | 96   | 5.561           |
| 97   | 5.345           | 98   | 5.550           | 99   | 5.356           | 100  | 5.609           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_21

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.269           | 2    | 5.285           | 3    | 5.400           | 4    | 5.637           |
| 5    | 5.564           | 6    | 5.523           | 7    | 5.255           | 8    | 5.461           |
| 9    | 5.563           | 10   | 5.552           | 11   | 5.625           | 12   | 5.421           |
| 13   | 5.531           | 14   | 5.695           | 15   | 5.271           | 16   | 5.590           |
| 17   | 5.484           | 18   | 5.456           | 19   | 5.352           | 20   | 5.409           |
| 21   | 5.672           | 22   | 5.459           | 23   | 5.292           | 24   | 5.359           |
| 25   | 5.486           | 26   | 5.422           | 27   | 5.650           | 28   | 5.407           |
| 29   | 5.633           | 30   | 5.532           | 31   | 5.720           | 32   | 5.493           |
| 33   | 5.357           | 34   | 5.439           | 35   | 5.472           | 36   | 5.628           |
| 37   | 5.442           | 38   | 5.668           | 39   | 5.343           | 40   | 5.638           |
| 41   | 5.466           | 42   | 5.470           | 43   | 5.585           | 44   | 5.611           |
| 45   | 5.471           | 46   | 5.524           | 47   | 5.307           | 48   | 5.441           |
| 49   | 5.398           | 50   | 5.529           | 51   | 5.545           | 52   | 5.325           |
| 53   | 5.641           | 54   | 5.688           | 55   | 5.657           | 56   | 5.429           |
| 57   | 5.302           | 58   | 5.719           | 59   | 5.687           | 60   | 5.494           |
| 61   | 5.328           | 62   | 5.397           | 63   | 5.475           | 64   | 5.626           |
| 65   | 5.693           | 66   | 5.265           | 67   | 5.608           | 68   | 5.337           |
| 69   | 5.485           | 70   | 5.703           | 71   | 5.554           | 72   | 5.294           |
| 73   | 5.505           | 74   | 5.314           | 75   | 5.324           | 76   | 5.405           |
| 77   | 5.355           | 78   | 5.389           | 79   | 5.649           | 80   | 5.620           |
| 81   | 5.259           | 82   | 5.566           | 83   | 5.645           | 84   | 5.701           |
| 85   | 5.510           | 86   | 5.370           | 87   | 5.539           | 88   | 5.423           |
| 89   | 5.342           | 90   | 5.609           | 91   | 5.384           | 92   | 5.629           |
| 93   | 5.369           | 94   | 5.613           | 95   | 5.718           | 96   | 5.381           |
| 97   | 5.424           | 98   | 5.578           | 99   | 5.568           | 100  | 5.427           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_22

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.576           | 2    | 5.614           | 3    | 5.255           | 4    | 5.381           |
| 5    | 5.450           | 6    | 5.715           | 7    | 5.545           | 8    | 5.517           |
| 9    | 5.647           | 10   | 5.317           | 11   | 5.546           | 12   | 5.375           |
| 13   | 5.530           | 14   | 5.439           | 15   | 5.344           | 16   | 5.541           |
| 17   | 5.323           | 18   | 5.513           | 19   | 5.480           | 20   | 5.586           |
| 21   | 5.300           | 22   | 5.565           | 23   | 5.341           | 24   | 5.472           |
| 25   | 5.283           | 26   | 5.524           | 27   | 5.307           | 28   | 5.284           |
| 29   | 5.388           | 30   | 5.583           | 31   | 5.663           | 32   | 5.332           |
| 33   | 5.484           | 34   | 5.362           | 35   | 5.658           | 36   | 5.295           |
| 37   | 5.446           | 38   | 5.491           | 39   | 5.441           | 40   | 5.570           |
| 41   | 5.351           | 42   | 5.533           | 43   | 5.349           | 44   | 5.655           |
| 45   | 5.563           | 46   | 5.638           | 47   | 5.613           | 48   | 5.646           |
| 49   | 5.285           | 50   | 5.696           | 51   | 5.417           | 52   | 5.358           |
| 53   | 5.703           | 54   | 5.669           | 55   | 5.662           | 56   | 5.713           |
| 57   | 5.335           | 58   | 5.321           | 59   | 5.438           | 60   | 5.355           |
| 61   | 5.628           | 62   | 5.412           | 63   | 5.700           | 64   | 5.674           |
| 65   | 5.536           | 66   | 5.334           | 67   | 5.626           | 68   | 5.465           |
| 69   | 5.310           | 70   | 5.518           | 71   | 5.282           | 72   | 5.551           |
| 73   | 5.585           | 74   | 5.548           | 75   | 5.680           | 76   | 5.376           |
| 77   | 5.338           | 78   | 5.440           | 79   | 5.266           | 80   | 5.648           |
| 81   | 5.516           | 82   | 5.468           | 83   | 5.644           | 84   | 5.414           |
| 85   | 5.579           | 86   | 5.393           | 87   | 5.643           | 88   | 5.537           |
| 89   | 5.487           | 90   | 5.592           | 91   | 5.590           | 92   | 5.423           |
| 93   | 5.430           | 94   | 5.288           | 95   | 5.387           | 96   | 5.636           |
| 97   | 5.456           | 98   | 5.508           | 99   | 5.359           | 100  | 5.425           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_23

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.650           | 2    | 5.457           | 3    | 5.366           | 4    | 5.672           |
| 5    | 5.654           | 6    | 5.255           | 7    | 5.381           | 8    | 5.432           |
| 9    | 5.701           | 10   | 5.639           | 11   | 5.310           | 12   | 5.598           |
| 13   | 5.405           | 14   | 5.576           | 15   | 5.464           | 16   | 5.529           |
| 17   | 5.659           | 18   | 5.278           | 19   | 5.251           | 20   | 5.525           |
| 21   | 5.530           | 22   | 5.528           | 23   | 5.567           | 24   | 5.486           |
| 25   | 5.394           | 26   | 5.690           | 27   | 5.713           | 28   | 5.315           |
| 29   | 5.533           | 30   | 5.614           | 31   | 5.623           | 32   | 5.395           |
| 33   | 5.620           | 34   | 5.308           | 35   | 5.379           | 36   | 5.281           |
| 37   | 5.677           | 38   | 5.304           | 39   | 5.537           | 40   | 5.364           |
| 41   | 5.352           | 42   | 5.339           | 43   | 5.284           | 44   | 5.456           |
| 45   | 5.626           | 46   | 5.632           | 47   | 5.287           | 48   | 5.592           |
| 49   | 5.452           | 50   | 5.470           | 51   | 5.329           | 52   | 5.388           |
| 53   | 5.356           | 54   | 5.585           | 55   | 5.593           | 56   | 5.283           |
| 57   | 5.603           | 58   | 5.361           | 59   | 5.408           | 60   | 5.717           |
| 61   | 5.404           | 62   | 5.298           | 63   | 5.347           | 64   | 5.332           |
| 65   | 5.412           | 66   | 5.697           | 67   | 5.674           | 68   | 5.263           |
| 69   | 5.499           | 70   | 5.372           | 71   | 5.676           | 72   | 5.609           |
| 73   | 5.619           | 74   | 5.468           | 75   | 5.692           | 76   | 5.577           |
| 77   | 5.578           | 78   | 5.268           | 79   | 5.428           | 80   | 5.552           |
| 81   | 5.413           | 82   | 5.482           | 83   | 5.579           | 84   | 5.662           |
| 85   | 5.621           | 86   | 5.572           | 87   | 5.682           | 88   | 5.625           |
| 89   | 5.644           | 90   | 5.279           | 91   | 5.253           | 92   | 5.652           |
| 93   | 5.678           | 94   | 5.360           | 95   | 5.627           | 96   | 5.270           |
| 97   | 5.721           | 98   | 5.261           | 99   | 5.497           | 100  | 5.441           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_24

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.564           | 2    | 5.702           | 3    | 5.585           | 4    | 5.465           |
| 5    | 5.407           | 6    | 5.670           | 7    | 5.522           | 8    | 5.466           |
| 9    | 5.628           | 10   | 5.659           | 11   | 5.485           | 12   | 5.704           |
| 13   | 5.640           | 14   | 5.367           | 15   | 5.510           | 16   | 5.722           |
| 17   | 5.412           | 18   | 5.355           | 19   | 5.430           | 20   | 5.549           |
| 21   | 5.361           | 22   | 5.329           | 23   | 5.389           | 24   | 5.587           |
| 25   | 5.621           | 26   | 5.720           | 27   | 5.451           | 28   | 5.320           |
| 29   | 5.321           | 30   | 5.424           | 31   | 5.508           | 32   | 5.618           |
| 33   | 5.278           | 34   | 5.556           | 35   | 5.387           | 36   | 5.374           |
| 37   | 5.562           | 38   | 5.553           | 39   | 5.470           | 40   | 5.276           |
| 41   | 5.457           | 42   | 5.439           | 43   | 5.711           | 44   | 5.518           |
| 45   | 5.458           | 46   | 5.513           | 47   | 5.500           | 48   | 5.376           |
| 49   | 5.402           | 50   | 5.447           | 51   | 5.669           | 52   | 5.524           |
| 53   | 5.400           | 54   | 5.515           | 55   | 5.625           | 56   | 5.652           |
| 57   | 5.449           | 58   | 5.301           | 59   | 5.484           | 60   | 5.529           |
| 61   | 5.541           | 62   | 5.333           | 63   | 5.255           | 64   | 5.354           |
| 65   | 5.695           | 66   | 5.365           | 67   | 5.701           | 68   | 5.494           |
| 69   | 5.646           | 70   | 5.454           | 71   | 5.613           | 72   | 5.721           |
| 73   | 5.595           | 74   | 5.688           | 75   | 5.690           | 76   | 5.487           |
| 77   | 5.415           | 78   | 5.428           | 79   | 5.548           | 80   | 5.591           |
| 81   | 5.277           | 82   | 5.496           | 83   | 5.323           | 84   | 5.302           |
| 85   | 5.719           | 86   | 5.298           | 87   | 5.299           | 88   | 5.614           |
| 89   | 5.405           | 90   | 5.497           | 91   | 5.563           | 92   | 5.291           |
| 93   | 5.724           | 94   | 5.483           | 95   | 5.271           | 96   | 5.297           |
| 97   | 5.559           | 98   | 5.311           | 99   | 5.426           | 100  | 5.360           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_25

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.336           | 2    | 5.277           | 3    | 5.619           | 4    | 5.303           |
| 5    | 5.685           | 6    | 5.545           | 7    | 5.356           | 8    | 5.341           |
| 9    | 5.471           | 10   | 5.533           | 11   | 5.724           | 12   | 5.716           |
| 13   | 5.267           | 14   | 5.495           | 15   | 5.253           | 16   | 5.460           |
| 17   | 5.600           | 18   | 5.279           | 19   | 5.333           | 20   | 5.335           |
| 21   | 5.566           | 22   | 5.384           | 23   | 5.718           | 24   | 5.616           |
| 25   | 5.598           | 26   | 5.588           | 27   | 5.722           | 28   | 5.591           |
| 29   | 5.621           | 30   | 5.475           | 31   | 5.366           | 32   | 5.692           |
| 33   | 5.681           | 34   | 5.306           | 35   | 5.595           | 36   | 5.594           |
| 37   | 5.673           | 38   | 5.291           | 39   | 5.400           | 40   | 5.269           |
| 41   | 5.426           | 42   | 5.491           | 43   | 5.281           | 44   | 5.395           |
| 45   | 5.515           | 46   | 5.288           | 47   | 5.519           | 48   | 5.334           |
| 49   | 5.711           | 50   | 5.550           | 51   | 5.464           | 52   | 5.525           |
| 53   | 5.377           | 54   | 5.265           | 55   | 5.452           | 56   | 5.596           |
| 57   | 5.297           | 58   | 5.305           | 59   | 5.565           | 60   | 5.579           |
| 61   | 5.345           | 62   | 5.703           | 63   | 5.719           | 64   | 5.298           |
| 65   | 5.541           | 66   | 5.456           | 67   | 5.282           | 68   | 5.645           |
| 69   | 5.421           | 70   | 5.357           | 71   | 5.351           | 72   | 5.431           |
| 73   | 5.674           | 74   | 5.449           | 75   | 5.576           | 76   | 5.539           |
| 77   | 5.264           | 78   | 5.257           | 79   | 5.439           | 80   | 5.562           |
| 81   | 5.493           | 82   | 5.642           | 83   | 5.668           | 84   | 5.477           |
| 85   | 5.450           | 86   | 5.311           | 87   | 5.544           | 88   | 5.707           |
| 89   | 5.402           | 90   | 5.567           | 91   | 5.442           | 92   | 5.343           |
| 93   | 5.720           | 94   | 5.397           | 95   | 5.665           | 96   | 5.582           |
| 97   | 5.405           | 98   | 5.467           | 99   | 5.444           | 100  | 5.693           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_26

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.474           | 2    | 5.271           | 3    | 5.495           | 4    | 5.592           |
| 5    | 5.560           | 6    | 5.447           | 7    | 5.713           | 8    | 5.561           |
| 9    | 5.389           | 10   | 5.526           | 11   | 5.400           | 12   | 5.715           |
| 13   | 5.672           | 14   | 5.388           | 15   | 5.450           | 16   | 5.325           |
| 17   | 5.706           | 18   | 5.556           | 19   | 5.621           | 20   | 5.522           |
| 21   | 5.532           | 22   | 5.357           | 23   | 5.587           | 24   | 5.258           |
| 25   | 5.435           | 26   | 5.329           | 27   | 5.716           | 28   | 5.571           |
| 29   | 5.344           | 30   | 5.250           | 31   | 5.649           | 32   | 5.639           |
| 33   | 5.611           | 34   | 5.466           | 35   | 5.612           | 36   | 5.274           |
| 37   | 5.263           | 38   | 5.539           | 39   | 5.434           | 40   | 5.645           |
| 41   | 5.615           | 42   | 5.572           | 43   | 5.574           | 44   | 5.549           |
| 45   | 5.420           | 46   | 5.646           | 47   | 5.501           | 48   | 5.402           |
| 49   | 5.453           | 50   | 5.320           | 51   | 5.674           | 52   | 5.491           |
| 53   | 5.683           | 54   | 5.700           | 55   | 5.607           | 56   | 5.441           |
| 57   | 5.625           | 58   | 5.464           | 59   | 5.699           | 60   | 5.490           |
| 61   | 5.265           | 62   | 5.719           | 63   | 5.470           | 64   | 5.494           |
| 65   | 5.302           | 66   | 5.391           | 67   | 5.541           | 68   | 5.641           |
| 69   | 5.338           | 70   | 5.722           | 71   | 5.475           | 72   | 5.295           |
| 73   | 5.352           | 74   | 5.692           | 75   | 5.583           | 76   | 5.529           |
| 77   | 5.665           | 78   | 5.603           | 79   | 5.423           | 80   | 5.465           |
| 81   | 5.487           | 82   | 5.415           | 83   | 5.381           | 84   | 5.354           |
| 85   | 5.624           | 86   | 5.502           | 87   | 5.533           | 88   | 5.688           |
| 89   | 5.375           | 90   | 5.272           | 91   | 5.622           | 92   | 5.437           |
| 93   | 5.499           | 94   | 5.714           | 95   | 5.578           | 96   | 5.576           |
| 97   | 5.278           | 98   | 5.513           | 99   | 5.419           | 100  | 5.383           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_27

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.668           | 2    | 5.412           | 3    | 5.577           | 4    | 5.421           |
| 5    | 5.372           | 6    | 5.376           | 7    | 5.363           | 8    | 5.645           |
| 9    | 5.696           | 10   | 5.596           | 11   | 5.650           | 12   | 5.587           |
| 13   | 5.306           | 14   | 5.691           | 15   | 5.341           | 16   | 5.256           |
| 17   | 5.399           | 18   | 5.429           | 19   | 5.392           | 20   | 5.632           |
| 21   | 5.263           | 22   | 5.466           | 23   | 5.567           | 24   | 5.265           |
| 25   | 5.522           | 26   | 5.661           | 27   | 5.700           | 28   | 5.511           |
| 29   | 5.536           | 30   | 5.326           | 31   | 5.709           | 32   | 5.695           |
| 33   | 5.669           | 34   | 5.523           | 35   | 5.582           | 36   | 5.580           |
| 37   | 5.550           | 38   | 5.277           | 39   | 5.285           | 40   | 5.557           |
| 41   | 5.574           | 42   | 5.461           | 43   | 5.425           | 44   | 5.551           |
| 45   | 5.608           | 46   | 5.261           | 47   | 5.317           | 48   | 5.260           |
| 49   | 5.439           | 50   | 5.562           | 51   | 5.324           | 52   | 5.414           |
| 53   | 5.527           | 54   | 5.497           | 55   | 5.686           | 56   | 5.259           |
| 57   | 5.664           | 58   | 5.590           | 59   | 5.478           | 60   | 5.404           |
| 61   | 5.589           | 62   | 5.607           | 63   | 5.481           | 64   | 5.689           |
| 65   | 5.389           | 66   | 5.640           | 67   | 5.720           | 68   | 5.697           |
| 69   | 5.402           | 70   | 5.452           | 71   | 5.313           | 72   | 5.717           |
| 73   | 5.257           | 74   | 5.287           | 75   | 5.534           | 76   | 5.553           |
| 77   | 5.304           | 78   | 5.684           | 79   | 5.374           | 80   | 5.390           |
| 81   | 5.441           | 82   | 5.506           | 83   | 5.444           | 84   | 5.329           |
| 85   | 5.250           | 86   | 5.503           | 87   | 5.588           | 88   | 5.442           |
| 89   | 5.611           | 90   | 5.561           | 91   | 5.406           | 92   | 5.663           |
| 93   | 5.297           | 94   | 5.619           | 95   | 5.405           | 96   | 5.677           |
| 97   | 5.501           | 98   | 5.508           | 99   | 5.262           | 100  | 5.474           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_28

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.307           | 2    | 5.649           | 3    | 5.482           | 4    | 5.315           |
| 5    | 5.443           | 6    | 5.285           | 7    | 5.390           | 8    | 5.326           |
| 9    | 5.654           | 10   | 5.581           | 11   | 5.263           | 12   | 5.687           |
| 13   | 5.679           | 14   | 5.486           | 15   | 5.279           | 16   | 5.680           |
| 17   | 5.387           | 18   | 5.608           | 19   | 5.487           | 20   | 5.724           |
| 21   | 5.683           | 22   | 5.430           | 23   | 5.436           | 24   | 5.320           |
| 25   | 5.281           | 26   | 5.257           | 27   | 5.539           | 28   | 5.255           |
| 29   | 5.622           | 30   | 5.359           | 31   | 5.251           | 32   | 5.418           |
| 33   | 5.456           | 34   | 5.569           | 35   | 5.628           | 36   | 5.643           |
| 37   | 5.301           | 38   | 5.488           | 39   | 5.338           | 40   | 5.584           |
| 41   | 5.685           | 42   | 5.503           | 43   | 5.411           | 44   | 5.697           |
| 45   | 5.574           | 46   | 5.558           | 47   | 5.468           | 48   | 5.355           |
| 49   | 5.478           | 50   | 5.549           | 51   | 5.283           | 52   | 5.648           |
| 53   | 5.695           | 54   | 5.371           | 55   | 5.304           | 56   | 5.705           |
| 57   | 5.722           | 58   | 5.349           | 59   | 5.453           | 60   | 5.591           |
| 61   | 5.678           | 62   | 5.401           | 63   | 5.284           | 64   | 5.481           |
| 65   | 5.381           | 66   | 5.644           | 67   | 5.422           | 68   | 5.590           |
| 69   | 5.547           | 70   | 5.458           | 71   | 5.274           | 72   | 5.446           |
| 73   | 5.523           | 74   | 5.391           | 75   | 5.719           | 76   | 5.296           |
| 77   | 5.521           | 78   | 5.286           | 79   | 5.435           | 80   | 5.336           |
| 81   | 5.619           | 82   | 5.668           | 83   | 5.565           | 84   | 5.343           |
| 85   | 5.434           | 86   | 5.356           | 87   | 5.374           | 88   | 5.278           |
| 89   | 5.449           | 90   | 5.660           | 91   | 5.544           | 92   | 5.363           |
| 93   | 5.604           | 94   | 5.314           | 95   | 5.499           | 96   | 5.531           |
| 97   | 5.322           | 98   | 5.347           | 99   | 5.675           | 100  | 5.273           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_29

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.587           | 2    | 5.271           | 3    | 5.622           | 4    | 5.676           |
| 5    | 5.627           | 6    | 5.604           | 7    | 5.309           | 8    | 5.666           |
| 9    | 5.449           | 10   | 5.613           | 11   | 5.340           | 12   | 5.579           |
| 13   | 5.372           | 14   | 5.263           | 15   | 5.252           | 16   | 5.665           |
| 17   | 5.568           | 18   | 5.386           | 19   | 5.639           | 20   | 5.480           |
| 21   | 5.251           | 22   | 5.270           | 23   | 5.614           | 24   | 5.698           |
| 25   | 5.549           | 26   | 5.451           | 27   | 5.335           | 28   | 5.685           |
| 29   | 5.464           | 30   | 5.424           | 31   | 5.291           | 32   | 5.400           |
| 33   | 5.555           | 34   | 5.530           | 35   | 5.510           | 36   | 5.278           |
| 37   | 5.257           | 38   | 5.595           | 39   | 5.724           | 40   | 5.645           |
| 41   | 5.675           | 42   | 5.317           | 43   | 5.695           | 44   | 5.722           |
| 45   | 5.277           | 46   | 5.522           | 47   | 5.686           | 48   | 5.597           |
| 49   | 5.588           | 50   | 5.517           | 51   | 5.518           | 52   | 5.707           |
| 53   | 5.431           | 54   | 5.364           | 55   | 5.542           | 56   | 5.513           |
| 57   | 5.322           | 58   | 5.405           | 59   | 5.402           | 60   | 5.560           |
| 61   | 5.677           | 62   | 5.492           | 63   | 5.446           | 64   | 5.268           |
| 65   | 5.717           | 66   | 5.459           | 67   | 5.357           | 68   | 5.655           |
| 69   | 5.650           | 70   | 5.314           | 71   | 5.688           | 72   | 5.528           |
| 73   | 5.535           | 74   | 5.715           | 75   | 5.380           | 76   | 5.648           |
| 77   | 5.556           | 78   | 5.531           | 79   | 5.616           | 80   | 5.586           |
| 81   | 5.612           | 82   | 5.435           | 83   | 5.656           | 84   | 5.659           |
| 85   | 5.546           | 86   | 5.407           | 87   | 5.346           | 88   | 5.516           |
| 89   | 5.623           | 90   | 5.634           | 91   | 5.325           | 92   | 5.420           |
| 93   | 5.720           | 94   | 5.558           | 95   | 5.478           | 96   | 5.644           |
| 97   | 5.311           | 98   | 5.607           | 99   | 5.273           | 100  | 5.444           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_30

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.490           | 2    | 5.296           | 3    | 5.458           | 4    | 5.553           |
| 5    | 5.430           | 6    | 5.516           | 7    | 5.414           | 8    | 5.618           |
| 9    | 5.521           | 10   | 5.544           | 11   | 5.721           | 12   | 5.438           |
| 13   | 5.311           | 14   | 5.677           | 15   | 5.386           | 16   | 5.382           |
| 17   | 5.600           | 18   | 5.446           | 19   | 5.549           | 20   | 5.422           |
| 21   | 5.291           | 22   | 5.581           | 23   | 5.316           | 24   | 5.359           |
| 25   | 5.637           | 26   | 5.588           | 27   | 5.612           | 28   | 5.288           |
| 29   | 5.455           | 30   | 5.541           | 31   | 5.385           | 32   | 5.557           |
| 33   | 5.413           | 34   | 5.701           | 35   | 5.515           | 36   | 5.254           |
| 37   | 5.459           | 38   | 5.714           | 39   | 5.502           | 40   | 5.528           |
| 41   | 5.536           | 42   | 5.260           | 43   | 5.614           | 44   | 5.451           |
| 45   | 5.663           | 46   | 5.532           | 47   | 5.273           | 48   | 5.482           |
| 49   | 5.689           | 50   | 5.326           | 51   | 5.578           | 52   | 5.537           |
| 53   | 5.266           | 54   | 5.387           | 55   | 5.299           | 56   | 5.513           |
| 57   | 5.355           | 58   | 5.297           | 59   | 5.569           | 60   | 5.262           |
| 61   | 5.699           | 62   | 5.551           | 63   | 5.648           | 64   | 5.679           |
| 65   | 5.389           | 66   | 5.607           | 67   | 5.450           | 68   | 5.421           |
| 69   | 5.571           | 70   | 5.629           | 71   | 5.345           | 72   | 5.623           |
| 73   | 5.380           | 74   | 5.643           | 75   | 5.656           | 76   | 5.500           |
| 77   | 5.664           | 78   | 5.550           | 79   | 5.554           | 80   | 5.269           |
| 81   | 5.435           | 82   | 5.442           | 83   | 5.715           | 84   | 5.284           |
| 85   | 5.277           | 86   | 5.582           | 87   | 5.460           | 88   | 5.412           |
| 89   | 5.638           | 90   | 5.354           | 91   | 5.265           | 92   | 5.323           |
| 93   | 5.585           | 94   | 5.539           | 95   | 5.711           | 96   | 5.390           |
| 97   | 5.697           | 98   | 5.619           | 99   | 5.552           | 100  | 5.650           |

**802.11ax (HE80)**

Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_01

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.540           | 2    | 5.513           | 3    | 5.526           | 4    | 5.574           |
| 5    | 5.501           | 6    | 5.717           | 7    | 5.590           | 8    | 5.373           |
| 9    | 5.338           | 10   | 5.534           | 11   | 5.388           | 12   | 5.493           |
| 13   | 5.447           | 14   | 5.554           | 15   | 5.593           | 16   | 5.566           |
| 17   | 5.688           | 18   | 5.715           | 19   | 5.350           | 20   | 5.713           |
| 21   | 5.404           | 22   | 5.374           | 23   | 5.571           | 24   | 5.420           |
| 25   | 5.588           | 26   | 5.277           | 27   | 5.407           | 28   | 5.610           |
| 29   | 5.278           | 30   | 5.710           | 31   | 5.366           | 32   | 5.301           |
| 33   | 5.666           | 34   | 5.551           | 35   | 5.531           | 36   | 5.339           |
| 37   | 5.410           | 38   | 5.303           | 39   | 5.267           | 40   | 5.538           |
| 41   | 5.327           | 42   | 5.701           | 43   | 5.358           | 44   | 5.581           |
| 45   | 5.408           | 46   | 5.584           | 47   | 5.477           | 48   | 5.357           |
| 49   | 5.703           | 50   | 5.376           | 51   | 5.683           | 52   | 5.413           |
| 53   | 5.662           | 54   | 5.423           | 55   | 5.632           | 56   | 5.668           |
| 57   | 5.619           | 58   | 5.281           | 59   | 5.429           | 60   | 5.289           |
| 61   | 5.306           | 62   | 5.337           | 63   | 5.596           | 64   | 5.286           |
| 65   | 5.592           | 66   | 5.379           | 67   | 5.362           | 68   | 5.351           |
| 69   | 5.433           | 70   | 5.271           | 71   | 5.384           | 72   | 5.614           |
| 73   | 5.504           | 74   | 5.296           | 75   | 5.712           | 76   | 5.452           |
| 77   | 5.687           | 78   | 5.533           | 79   | 5.599           | 80   | 5.561           |
| 81   | 5.293           | 82   | 5.300           | 83   | 5.302           | 84   | 5.718           |
| 85   | 5.291           | 86   | 5.456           | 87   | 5.505           | 88   | 5.636           |
| 89   | 5.367           | 90   | 5.348           | 91   | 5.527           | 92   | 5.558           |
| 93   | 5.640           | 94   | 5.559           | 95   | 5.436           | 96   | 5.613           |
| 97   | 5.472           | 98   | 5.707           | 99   | 5.607           | 100  | 5.680           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_02

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.641           | 2    | 5.581           | 3    | 5.679           | 4    | 5.580           |
| 5    | 5.429           | 6    | 5.315           | 7    | 5.582           | 8    | 5.604           |
| 9    | 5.353           | 10   | 5.255           | 11   | 5.260           | 12   | 5.425           |
| 13   | 5.366           | 14   | 5.343           | 15   | 5.478           | 16   | 5.310           |
| 17   | 5.367           | 18   | 5.288           | 19   | 5.595           | 20   | 5.719           |
| 21   | 5.514           | 22   | 5.630           | 23   | 5.327           | 24   | 5.606           |
| 25   | 5.424           | 26   | 5.662           | 27   | 5.482           | 28   | 5.683           |
| 29   | 5.528           | 30   | 5.289           | 31   | 5.700           | 32   | 5.541           |
| 33   | 5.356           | 34   | 5.585           | 35   | 5.506           | 36   | 5.297           |
| 37   | 5.391           | 38   | 5.505           | 39   | 5.511           | 40   | 5.333           |
| 41   | 5.292           | 42   | 5.572           | 43   | 5.329           | 44   | 5.553           |
| 45   | 5.408           | 46   | 5.612           | 47   | 5.532           | 48   | 5.423           |
| 49   | 5.594           | 50   | 5.495           | 51   | 5.499           | 52   | 5.607           |
| 53   | 5.706           | 54   | 5.525           | 55   | 5.692           | 56   | 5.390           |
| 57   | 5.576           | 58   | 5.270           | 59   | 5.549           | 60   | 5.468           |
| 61   | 5.407           | 62   | 5.455           | 63   | 5.448           | 64   | 5.565           |
| 65   | 5.687           | 66   | 5.656           | 67   | 5.335           | 68   | 5.649           |
| 69   | 5.360           | 70   | 5.349           | 71   | 5.504           | 72   | 5.661           |
| 73   | 5.422           | 74   | 5.328           | 75   | 5.311           | 76   | 5.307           |
| 77   | 5.669           | 78   | 5.561           | 79   | 5.521           | 80   | 5.342           |
| 81   | 5.337           | 82   | 5.518           | 83   | 5.441           | 84   | 5.436           |
| 85   | 5.682           | 86   | 5.562           | 87   | 5.466           | 88   | 5.539           |
| 89   | 5.372           | 90   | 5.534           | 91   | 5.284           | 92   | 5.537           |
| 93   | 5.701           | 94   | 5.384           | 95   | 5.251           | 96   | 5.445           |
| 97   | 5.473           | 98   | 5.388           | 99   | 5.280           | 100  | 5.285           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_03

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.284           | 2    | 5.304           | 3    | 5.456           | 4    | 5.489           |
| 5    | 5.670           | 6    | 5.409           | 7    | 5.574           | 8    | 5.448           |
| 9    | 5.581           | 10   | 5.467           | 11   | 5.637           | 12   | 5.651           |
| 13   | 5.641           | 14   | 5.407           | 15   | 5.281           | 16   | 5.321           |
| 17   | 5.428           | 18   | 5.355           | 19   | 5.260           | 20   | 5.276           |
| 21   | 5.435           | 22   | 5.640           | 23   | 5.683           | 24   | 5.333           |
| 25   | 5.382           | 26   | 5.712           | 27   | 5.391           | 28   | 5.401           |
| 29   | 5.554           | 30   | 5.383           | 31   | 5.261           | 32   | 5.315           |
| 33   | 5.563           | 34   | 5.326           | 35   | 5.652           | 36   | 5.393           |
| 37   | 5.280           | 38   | 5.352           | 39   | 5.588           | 40   | 5.595           |
| 41   | 5.498           | 42   | 5.618           | 43   | 5.596           | 44   | 5.307           |
| 45   | 5.720           | 46   | 5.495           | 47   | 5.542           | 48   | 5.469           |
| 49   | 5.617           | 50   | 5.623           | 51   | 5.723           | 52   | 5.440           |
| 53   | 5.350           | 54   | 5.338           | 55   | 5.332           | 56   | 5.602           |
| 57   | 5.277           | 58   | 5.367           | 59   | 5.572           | 60   | 5.611           |
| 61   | 5.294           | 62   | 5.584           | 63   | 5.529           | 64   | 5.678           |
| 65   | 5.501           | 66   | 5.267           | 67   | 5.536           | 68   | 5.301           |
| 69   | 5.516           | 70   | 5.650           | 71   | 5.664           | 72   | 5.662           |
| 73   | 5.263           | 74   | 5.458           | 75   | 5.528           | 76   | 5.707           |
| 77   | 5.717           | 78   | 5.418           | 79   | 5.560           | 80   | 5.604           |
| 81   | 5.644           | 82   | 5.396           | 83   | 5.416           | 84   | 5.514           |
| 85   | 5.526           | 86   | 5.699           | 87   | 5.443           | 88   | 5.674           |
| 89   | 5.411           | 90   | 5.671           | 91   | 5.510           | 92   | 5.257           |
| 93   | 5.436           | 94   | 5.424           | 95   | 5.459           | 96   | 5.273           |
| 97   | 5.685           | 98   | 5.463           | 99   | 5.288           | 100  | 5.275           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_04

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.278           | 2    | 5.505           | 3    | 5.563           | 4    | 5.422           |
| 5    | 5.685           | 6    | 5.270           | 7    | 5.545           | 8    | 5.321           |
| 9    | 5.641           | 10   | 5.680           | 11   | 5.568           | 12   | 5.284           |
| 13   | 5.675           | 14   | 5.542           | 15   | 5.406           | 16   | 5.426           |
| 17   | 5.346           | 18   | 5.327           | 19   | 5.558           | 20   | 5.423           |
| 21   | 5.285           | 22   | 5.434           | 23   | 5.720           | 24   | 5.538           |
| 25   | 5.357           | 26   | 5.286           | 27   | 5.362           | 28   | 5.522           |
| 29   | 5.520           | 30   | 5.438           | 31   | 5.418           | 32   | 5.448           |
| 33   | 5.605           | 34   | 5.451           | 35   | 5.516           | 36   | 5.319           |
| 37   | 5.694           | 38   | 5.671           | 39   | 5.518           | 40   | 5.553           |
| 41   | 5.252           | 42   | 5.395           | 43   | 5.482           | 44   | 5.419           |
| 45   | 5.397           | 46   | 5.716           | 47   | 5.349           | 48   | 5.661           |
| 49   | 5.296           | 50   | 5.693           | 51   | 5.414           | 52   | 5.670           |
| 53   | 5.356           | 54   | 5.527           | 55   | 5.704           | 56   | 5.566           |
| 57   | 5.429           | 58   | 5.592           | 59   | 5.353           | 60   | 5.361           |
| 61   | 5.475           | 62   | 5.636           | 63   | 5.508           | 64   | 5.718           |
| 65   | 5.484           | 66   | 5.405           | 67   | 5.348           | 68   | 5.650           |
| 69   | 5.412           | 70   | 5.607           | 71   | 5.294           | 72   | 5.721           |
| 73   | 5.565           | 74   | 5.379           | 75   | 5.279           | 76   | 5.433           |
| 77   | 5.578           | 78   | 5.610           | 79   | 5.477           | 80   | 5.571           |
| 81   | 5.276           | 82   | 5.495           | 83   | 5.308           | 84   | 5.698           |
| 85   | 5.572           | 86   | 5.398           | 87   | 5.387           | 88   | 5.597           |
| 89   | 5.688           | 90   | 5.590           | 91   | 5.485           | 92   | 5.497           |
| 93   | 5.253           | 94   | 5.617           | 95   | 5.632           | 96   | 5.363           |
| 97   | 5.628           | 98   | 5.376           | 99   | 5.282           | 100  | 5.490           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_05

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.535           | 2    | 5.444           | 3    | 5.468           | 4    | 5.719           |
| 5    | 5.264           | 6    | 5.349           | 7    | 5.554           | 8    | 5.387           |
| 9    | 5.462           | 10   | 5.632           | 11   | 5.490           | 12   | 5.478           |
| 13   | 5.340           | 14   | 5.494           | 15   | 5.323           | 16   | 5.320           |
| 17   | 5.560           | 18   | 5.435           | 19   | 5.367           | 20   | 5.544           |
| 21   | 5.519           | 22   | 5.401           | 23   | 5.616           | 24   | 5.485           |
| 25   | 5.477           | 26   | 5.482           | 27   | 5.669           | 28   | 5.553           |
| 29   | 5.682           | 30   | 5.308           | 31   | 5.293           | 32   | 5.496           |
| 33   | 5.480           | 34   | 5.593           | 35   | 5.268           | 36   | 5.324           |
| 37   | 5.657           | 38   | 5.587           | 39   | 5.712           | 40   | 5.635           |
| 41   | 5.473           | 42   | 5.441           | 43   | 5.442           | 44   | 5.649           |
| 45   | 5.597           | 46   | 5.517           | 47   | 5.279           | 48   | 5.454           |
| 49   | 5.689           | 50   | 5.456           | 51   | 5.529           | 52   | 5.391           |
| 53   | 5.515           | 54   | 5.350           | 55   | 5.434           | 56   | 5.505           |
| 57   | 5.539           | 58   | 5.582           | 59   | 5.604           | 60   | 5.370           |
| 61   | 5.413           | 62   | 5.414           | 63   | 5.285           | 64   | 5.605           |
| 65   | 5.648           | 66   | 5.345           | 67   | 5.489           | 68   | 5.671           |
| 69   | 5.540           | 70   | 5.289           | 71   | 5.598           | 72   | 5.542           |
| 73   | 5.636           | 74   | 5.381           | 75   | 5.347           | 76   | 5.522           |
| 77   | 5.711           | 78   | 5.693           | 79   | 5.319           | 80   | 5.431           |
| 81   | 5.501           | 82   | 5.486           | 83   | 5.280           | 84   | 5.647           |
| 85   | 5.398           | 86   | 5.259           | 87   | 5.570           | 88   | 5.504           |
| 89   | 5.558           | 90   | 5.426           | 91   | 5.706           | 92   | 5.291           |
| 93   | 5.253           | 94   | 5.662           | 95   | 5.362           | 96   | 5.667           |
| 97   | 5.590           | 98   | 5.569           | 99   | 5.531           | 100  | 5.405           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_06

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.642           | 2    | 5.685           | 3    | 5.613           | 4    | 5.701           |
| 5    | 5.526           | 6    | 5.604           | 7    | 5.329           | 8    | 5.551           |
| 9    | 5.624           | 10   | 5.389           | 11   | 5.696           | 12   | 5.599           |
| 13   | 5.323           | 14   | 5.274           | 15   | 5.293           | 16   | 5.416           |
| 17   | 5.720           | 18   | 5.453           | 19   | 5.655           | 20   | 5.608           |
| 21   | 5.344           | 22   | 5.349           | 23   | 5.399           | 24   | 5.605           |
| 25   | 5.326           | 26   | 5.693           | 27   | 5.674           | 28   | 5.255           |
| 29   | 5.370           | 30   | 5.285           | 31   | 5.666           | 32   | 5.578           |
| 33   | 5.260           | 34   | 5.275           | 35   | 5.409           | 36   | 5.715           |
| 37   | 5.660           | 38   | 5.460           | 39   | 5.324           | 40   | 5.509           |
| 41   | 5.712           | 42   | 5.312           | 43   | 5.480           | 44   | 5.375           |
| 45   | 5.681           | 46   | 5.631           | 47   | 5.714           | 48   | 5.512           |
| 49   | 5.445           | 50   | 5.514           | 51   | 5.354           | 52   | 5.483           |
| 53   | 5.490           | 54   | 5.654           | 55   | 5.386           | 56   | 5.291           |
| 57   | 5.476           | 58   | 5.716           | 59   | 5.362           | 60   | 5.265           |
| 61   | 5.680           | 62   | 5.439           | 63   | 5.541           | 64   | 5.573           |
| 65   | 5.682           | 66   | 5.644           | 67   | 5.414           | 68   | 5.422           |
| 69   | 5.668           | 70   | 5.677           | 71   | 5.609           | 72   | 5.705           |
| 73   | 5.473           | 74   | 5.517           | 75   | 5.482           | 76   | 5.549           |
| 77   | 5.360           | 78   | 5.485           | 79   | 5.684           | 80   | 5.317           |
| 81   | 5.264           | 82   | 5.711           | 83   | 5.355           | 84   | 5.596           |
| 85   | 5.300           | 86   | 5.592           | 87   | 5.303           | 88   | 5.594           |
| 89   | 5.579           | 90   | 5.649           | 91   | 5.340           | 92   | 5.667           |
| 93   | 5.643           | 94   | 5.575           | 95   | 5.396           | 96   | 5.436           |
| 97   | 5.437           | 98   | 5.408           | 99   | 5.561           | 100  | 5.421           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_07

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.597           | 2    | 5.360           | 3    | 5.666           | 4    | 5.431           |
| 5    | 5.587           | 6    | 5.521           | 7    | 5.471           | 8    | 5.553           |
| 9    | 5.676           | 10   | 5.338           | 11   | 5.722           | 12   | 5.347           |
| 13   | 5.458           | 14   | 5.498           | 15   | 5.620           | 16   | 5.641           |
| 17   | 5.596           | 18   | 5.295           | 19   | 5.317           | 20   | 5.605           |
| 21   | 5.532           | 22   | 5.650           | 23   | 5.558           | 24   | 5.700           |
| 25   | 5.495           | 26   | 5.481           | 27   | 5.485           | 28   | 5.390           |
| 29   | 5.656           | 30   | 5.648           | 31   | 5.365           | 32   | 5.708           |
| 33   | 5.371           | 34   | 5.441           | 35   | 5.702           | 36   | 5.504           |
| 37   | 5.261           | 38   | 5.398           | 39   | 5.392           | 40   | 5.572           |
| 41   | 5.683           | 42   | 5.567           | 43   | 5.585           | 44   | 5.623           |
| 45   | 5.569           | 46   | 5.256           | 47   | 5.505           | 48   | 5.649           |
| 49   | 5.426           | 50   | 5.264           | 51   | 5.640           | 52   | 5.690           |
| 53   | 5.520           | 54   | 5.466           | 55   | 5.593           | 56   | 5.568           |
| 57   | 5.325           | 58   | 5.383           | 59   | 5.300           | 60   | 5.389           |
| 61   | 5.469           | 62   | 5.253           | 63   | 5.285           | 64   | 5.724           |
| 65   | 5.538           | 66   | 5.467           | 67   | 5.519           | 68   | 5.686           |
| 69   | 5.539           | 70   | 5.313           | 71   | 5.713           | 72   | 5.312           |
| 73   | 5.654           | 74   | 5.299           | 75   | 5.446           | 76   | 5.366           |
| 77   | 5.320           | 78   | 5.479           | 79   | 5.492           | 80   | 5.340           |
| 81   | 5.548           | 82   | 5.671           | 83   | 5.698           | 84   | 5.674           |
| 85   | 5.343           | 86   | 5.710           | 87   | 5.443           | 88   | 5.503           |
| 89   | 5.599           | 90   | 5.474           | 91   | 5.502           | 92   | 5.437           |
| 93   | 5.263           | 94   | 5.604           | 95   | 5.393           | 96   | 5.372           |
| 97   | 5.369           | 98   | 5.262           | 99   | 5.711           | 100  | 5.527           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_08

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.667           | 2    | 5.626           | 3    | 5.314           | 4    | 5.440           |
| 5    | 5.527           | 6    | 5.365           | 7    | 5.653           | 8    | 5.652           |
| 9    | 5.469           | 10   | 5.694           | 11   | 5.496           | 12   | 5.634           |
| 13   | 5.517           | 14   | 5.354           | 15   | 5.481           | 16   | 5.505           |
| 17   | 5.292           | 18   | 5.254           | 19   | 5.569           | 20   | 5.649           |
| 21   | 5.433           | 22   | 5.604           | 23   | 5.404           | 24   | 5.349           |
| 25   | 5.416           | 26   | 5.551           | 27   | 5.603           | 28   | 5.561           |
| 29   | 5.386           | 30   | 5.648           | 31   | 5.369           | 32   | 5.252           |
| 33   | 5.635           | 34   | 5.605           | 35   | 5.399           | 36   | 5.485           |
| 37   | 5.391           | 38   | 5.641           | 39   | 5.518           | 40   | 5.607           |
| 41   | 5.529           | 42   | 5.590           | 43   | 5.520           | 44   | 5.514           |
| 45   | 5.409           | 46   | 5.336           | 47   | 5.567           | 48   | 5.679           |
| 49   | 5.698           | 50   | 5.594           | 51   | 5.564           | 52   | 5.419           |
| 53   | 5.657           | 54   | 5.668           | 55   | 5.689           | 56   | 5.306           |
| 57   | 5.385           | 58   | 5.278           | 59   | 5.688           | 60   | 5.423           |
| 61   | 5.674           | 62   | 5.536           | 63   | 5.544           | 64   | 5.435           |
| 65   | 5.251           | 66   | 5.601           | 67   | 5.438           | 68   | 5.280           |
| 69   | 5.260           | 70   | 5.288           | 71   | 5.711           | 72   | 5.389           |
| 73   | 5.640           | 74   | 5.556           | 75   | 5.664           | 76   | 5.718           |
| 77   | 5.677           | 78   | 5.651           | 79   | 5.277           | 80   | 5.420           |
| 81   | 5.300           | 82   | 5.683           | 83   | 5.573           | 84   | 5.702           |
| 85   | 5.256           | 86   | 5.684           | 87   | 5.533           | 88   | 5.362           |
| 89   | 5.443           | 90   | 5.712           | 91   | 5.612           | 92   | 5.606           |
| 93   | 5.491           | 94   | 5.364           | 95   | 5.338           | 96   | 5.417           |
| 97   | 5.428           | 98   | 5.553           | 99   | 5.595           | 100  | 5.583           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_09

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.652           | 2    | 5.260           | 3    | 5.508           | 4    | 5.643           |
| 5    | 5.653           | 6    | 5.659           | 7    | 5.381           | 8    | 5.683           |
| 9    | 5.724           | 10   | 5.711           | 11   | 5.577           | 12   | 5.333           |
| 13   | 5.682           | 14   | 5.307           | 15   | 5.258           | 16   | 5.603           |
| 17   | 5.605           | 18   | 5.534           | 19   | 5.520           | 20   | 5.491           |
| 21   | 5.367           | 22   | 5.672           | 23   | 5.355           | 24   | 5.372           |
| 25   | 5.651           | 26   | 5.541           | 27   | 5.274           | 28   | 5.666           |
| 29   | 5.498           | 30   | 5.336           | 31   | 5.420           | 32   | 5.701           |
| 33   | 5.496           | 34   | 5.707           | 35   | 5.361           | 36   | 5.608           |
| 37   | 5.582           | 38   | 5.631           | 39   | 5.289           | 40   | 5.386           |
| 41   | 5.568           | 42   | 5.671           | 43   | 5.455           | 44   | 5.279           |
| 45   | 5.558           | 46   | 5.595           | 47   | 5.363           | 48   | 5.352           |
| 49   | 5.549           | 50   | 5.434           | 51   | 5.602           | 52   | 5.362           |
| 53   | 5.379           | 54   | 5.419           | 55   | 5.554           | 56   | 5.686           |
| 57   | 5.366           | 58   | 5.516           | 59   | 5.285           | 60   | 5.405           |
| 61   | 5.319           | 62   | 5.596           | 63   | 5.394           | 64   | 5.385           |
| 65   | 5.356           | 66   | 5.300           | 67   | 5.641           | 68   | 5.280           |
| 69   | 5.332           | 70   | 5.626           | 71   | 5.674           | 72   | 5.295           |
| 73   | 5.664           | 74   | 5.600           | 75   | 5.523           | 76   | 5.440           |
| 77   | 5.286           | 78   | 5.490           | 79   | 5.259           | 80   | 5.593           |
| 81   | 5.531           | 82   | 5.634           | 83   | 5.489           | 84   | 5.559           |
| 85   | 5.527           | 86   | 5.578           | 87   | 5.322           | 88   | 5.589           |
| 89   | 5.709           | 90   | 5.525           | 91   | 5.535           | 92   | 5.537           |
| 93   | 5.636           | 94   | 5.521           | 95   | 5.323           | 96   | 5.716           |
| 97   | 5.611           | 98   | 5.632           | 99   | 5.282           | 100  | 5.598           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_10

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.448           | 2    | 5.353           | 3    | 5.542           | 4    | 5.384           |
| 5    | 5.676           | 6    | 5.609           | 7    | 5.518           | 8    | 5.454           |
| 9    | 5.662           | 10   | 5.516           | 11   | 5.357           | 12   | 5.406           |
| 13   | 5.491           | 14   | 5.438           | 15   | 5.408           | 16   | 5.263           |
| 17   | 5.625           | 18   | 5.559           | 19   | 5.652           | 20   | 5.280           |
| 21   | 5.577           | 22   | 5.254           | 23   | 5.556           | 24   | 5.472           |
| 25   | 5.672           | 26   | 5.282           | 27   | 5.639           | 28   | 5.527           |
| 29   | 5.612           | 30   | 5.569           | 31   | 5.555           | 32   | 5.630           |
| 33   | 5.347           | 34   | 5.607           | 35   | 5.647           | 36   | 5.425           |
| 37   | 5.422           | 38   | 5.329           | 39   | 5.501           | 40   | 5.704           |
| 41   | 5.364           | 42   | 5.374           | 43   | 5.702           | 44   | 5.554           |
| 45   | 5.644           | 46   | 5.277           | 47   | 5.626           | 48   | 5.418           |
| 49   | 5.587           | 50   | 5.604           | 51   | 5.677           | 52   | 5.558           |
| 53   | 5.568           | 54   | 5.534           | 55   | 5.497           | 56   | 5.401           |
| 57   | 5.252           | 58   | 5.466           | 59   | 5.571           | 60   | 5.584           |
| 61   | 5.714           | 62   | 5.682           | 63   | 5.552           | 64   | 5.610           |
| 65   | 5.597           | 66   | 5.392           | 67   | 5.370           | 68   | 5.456           |
| 69   | 5.316           | 70   | 5.274           | 71   | 5.506           | 72   | 5.523           |
| 73   | 5.537           | 74   | 5.533           | 75   | 5.546           | 76   | 5.645           |
| 77   | 5.276           | 78   | 5.505           | 79   | 5.484           | 80   | 5.684           |
| 81   | 5.679           | 82   | 5.259           | 83   | 5.285           | 84   | 5.668           |
| 85   | 5.723           | 86   | 5.656           | 87   | 5.673           | 88   | 5.255           |
| 89   | 5.594           | 90   | 5.339           | 91   | 5.268           | 92   | 5.502           |
| 93   | 5.496           | 94   | 5.503           | 95   | 5.323           | 96   | 5.273           |
| 97   | 5.342           | 98   | 5.711           | 99   | 5.410           | 100  | 5.661           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_11

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.407           | 2    | 5.441           | 3    | 5.498           | 4    | 5.515           |
| 5    | 5.358           | 6    | 5.316           | 7    | 5.659           | 8    | 5.695           |
| 9    | 5.542           | 10   | 5.393           | 11   | 5.592           | 12   | 5.682           |
| 13   | 5.332           | 14   | 5.675           | 15   | 5.608           | 16   | 5.588           |
| 17   | 5.578           | 18   | 5.291           | 19   | 5.614           | 20   | 5.282           |
| 21   | 5.648           | 22   | 5.476           | 23   | 5.273           | 24   | 5.312           |
| 25   | 5.697           | 26   | 5.658           | 27   | 5.349           | 28   | 5.600           |
| 29   | 5.279           | 30   | 5.431           | 31   | 5.484           | 32   | 5.372           |
| 33   | 5.283           | 34   | 5.378           | 35   | 5.401           | 36   | 5.505           |
| 37   | 5.471           | 38   | 5.295           | 39   | 5.470           | 40   | 5.341           |
| 41   | 5.669           | 42   | 5.366           | 43   | 5.290           | 44   | 5.475           |
| 45   | 5.549           | 46   | 5.633           | 47   | 5.430           | 48   | 5.539           |
| 49   | 5.425           | 50   | 5.387           | 51   | 5.511           | 52   | 5.373           |
| 53   | 5.514           | 54   | 5.634           | 55   | 5.297           | 56   | 5.461           |
| 57   | 5.392           | 58   | 5.516           | 59   | 5.270           | 60   | 5.280           |
| 61   | 5.427           | 62   | 5.570           | 63   | 5.289           | 64   | 5.310           |
| 65   | 5.411           | 66   | 5.412           | 67   | 5.711           | 68   | 5.568           |
| 69   | 5.386           | 70   | 5.655           | 71   | 5.409           | 72   | 5.374           |
| 73   | 5.437           | 74   | 5.302           | 75   | 5.617           | 76   | 5.572           |
| 77   | 5.370           | 78   | 5.667           | 79   | 5.601           | 80   | 5.447           |
| 81   | 5.551           | 82   | 5.525           | 83   | 5.292           | 84   | 5.481           |
| 85   | 5.571           | 86   | 5.605           | 87   | 5.395           | 88   | 5.496           |
| 89   | 5.402           | 90   | 5.644           | 91   | 5.631           | 92   | 5.432           |
| 93   | 5.694           | 94   | 5.662           | 95   | 5.540           | 96   | 5.489           |
| 97   | 5.463           | 98   | 5.521           | 99   | 5.486           | 100  | 5.616           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_12

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.544           | 2    | 5.339           | 3    | 5.529           | 4    | 5.472           |
| 5    | 5.508           | 6    | 5.431           | 7    | 5.596           | 8    | 5.270           |
| 9    | 5.327           | 10   | 5.379           | 11   | 5.662           | 12   | 5.462           |
| 13   | 5.273           | 14   | 5.617           | 15   | 5.651           | 16   | 5.377           |
| 17   | 5.686           | 18   | 5.415           | 19   | 5.488           | 20   | 5.380           |
| 21   | 5.351           | 22   | 5.688           | 23   | 5.260           | 24   | 5.530           |
| 25   | 5.589           | 26   | 5.703           | 27   | 5.632           | 28   | 5.609           |
| 29   | 5.333           | 30   | 5.286           | 31   | 5.507           | 32   | 5.693           |
| 33   | 5.664           | 34   | 5.582           | 35   | 5.461           | 36   | 5.358           |
| 37   | 5.667           | 38   | 5.555           | 39   | 5.367           | 40   | 5.570           |
| 41   | 5.711           | 42   | 5.372           | 43   | 5.537           | 44   | 5.267           |
| 45   | 5.301           | 46   | 5.585           | 47   | 5.288           | 48   | 5.583           |
| 49   | 5.398           | 50   | 5.421           | 51   | 5.291           | 52   | 5.445           |
| 53   | 5.541           | 54   | 5.504           | 55   | 5.384           | 56   | 5.299           |
| 57   | 5.543           | 58   | 5.556           | 59   | 5.496           | 60   | 5.477           |
| 61   | 5.423           | 62   | 5.678           | 63   | 5.624           | 64   | 5.353           |
| 65   | 5.413           | 66   | 5.296           | 67   | 5.706           | 68   | 5.685           |
| 69   | 5.473           | 70   | 5.722           | 71   | 5.424           | 72   | 5.525           |
| 73   | 5.674           | 74   | 5.359           | 75   | 5.325           | 76   | 5.489           |
| 77   | 5.614           | 78   | 5.622           | 79   | 5.294           | 80   | 5.573           |
| 81   | 5.494           | 82   | 5.326           | 83   | 5.394           | 84   | 5.482           |
| 85   | 5.650           | 86   | 5.435           | 87   | 5.659           | 88   | 5.400           |
| 89   | 5.637           | 90   | 5.355           | 91   | 5.258           | 92   | 5.449           |
| 93   | 5.718           | 94   | 5.676           | 95   | 5.447           | 96   | 5.549           |
| 97   | 5.640           | 98   | 5.645           | 99   | 5.276           | 100  | 5.533           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_13

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.358           | 2    | 5.430           | 3    | 5.615           | 4    | 5.653           |
| 5    | 5.439           | 6    | 5.310           | 7    | 5.399           | 8    | 5.722           |
| 9    | 5.721           | 10   | 5.494           | 11   | 5.352           | 12   | 5.449           |
| 13   | 5.538           | 14   | 5.337           | 15   | 5.438           | 16   | 5.262           |
| 17   | 5.307           | 18   | 5.409           | 19   | 5.503           | 20   | 5.419           |
| 21   | 5.487           | 22   | 5.282           | 23   | 5.417           | 24   | 5.295           |
| 25   | 5.644           | 26   | 5.622           | 27   | 5.383           | 28   | 5.334           |
| 29   | 5.692           | 30   | 5.658           | 31   | 5.598           | 32   | 5.372           |
| 33   | 5.573           | 34   | 5.576           | 35   | 5.491           | 36   | 5.621           |
| 37   | 5.380           | 38   | 5.586           | 39   | 5.527           | 40   | 5.698           |
| 41   | 5.342           | 42   | 5.275           | 43   | 5.492           | 44   | 5.630           |
| 45   | 5.529           | 46   | 5.724           | 47   | 5.269           | 48   | 5.411           |
| 49   | 5.474           | 50   | 5.608           | 51   | 5.553           | 52   | 5.602           |
| 53   | 5.429           | 54   | 5.478           | 55   | 5.312           | 56   | 5.318           |
| 57   | 5.673           | 58   | 5.297           | 59   | 5.369           | 60   | 5.377           |
| 61   | 5.375           | 62   | 5.285           | 63   | 5.558           | 64   | 5.260           |
| 65   | 5.390           | 66   | 5.268           | 67   | 5.656           | 68   | 5.370           |
| 69   | 5.596           | 70   | 5.605           | 71   | 5.591           | 72   | 5.629           |
| 73   | 5.506           | 74   | 5.351           | 75   | 5.281           | 76   | 5.336           |
| 77   | 5.524           | 78   | 5.521           | 79   | 5.461           | 80   | 5.367           |
| 81   | 5.296           | 82   | 5.347           | 83   | 5.435           | 84   | 5.329           |
| 85   | 5.340           | 86   | 5.299           | 87   | 5.680           | 88   | 5.448           |
| 89   | 5.261           | 90   | 5.510           | 91   | 5.265           | 92   | 5.555           |
| 93   | 5.595           | 94   | 5.457           | 95   | 5.280           | 96   | 5.359           |
| 97   | 5.410           | 98   | 5.509           | 99   | 5.379           | 100  | 5.447           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_14

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.393           | 2    | 5.673           | 3    | 5.362           | 4    | 5.390           |
| 5    | 5.528           | 6    | 5.625           | 7    | 5.315           | 8    | 5.383           |
| 9    | 5.653           | 10   | 5.342           | 11   | 5.572           | 12   | 5.613           |
| 13   | 5.252           | 14   | 5.520           | 15   | 5.685           | 16   | 5.292           |
| 17   | 5.268           | 18   | 5.450           | 19   | 5.259           | 20   | 5.674           |
| 21   | 5.321           | 22   | 5.371           | 23   | 5.531           | 24   | 5.381           |
| 25   | 5.284           | 26   | 5.403           | 27   | 5.599           | 28   | 5.549           |
| 29   | 5.400           | 30   | 5.482           | 31   | 5.281           | 32   | 5.454           |
| 33   | 5.689           | 34   | 5.290           | 35   | 5.481           | 36   | 5.540           |
| 37   | 5.571           | 38   | 5.368           | 39   | 5.440           | 40   | 5.555           |
| 41   | 5.607           | 42   | 5.399           | 43   | 5.713           | 44   | 5.301           |
| 45   | 5.423           | 46   | 5.369           | 47   | 5.445           | 48   | 5.566           |
| 49   | 5.574           | 50   | 5.724           | 51   | 5.639           | 52   | 5.406           |
| 53   | 5.407           | 54   | 5.543           | 55   | 5.476           | 56   | 5.660           |
| 57   | 5.633           | 58   | 5.700           | 59   | 5.417           | 60   | 5.439           |
| 61   | 5.589           | 62   | 5.585           | 63   | 5.435           | 64   | 5.500           |
| 65   | 5.715           | 66   | 5.280           | 67   | 5.697           | 68   | 5.366           |
| 69   | 5.442           | 70   | 5.558           | 71   | 5.286           | 72   | 5.448           |
| 73   | 5.716           | 74   | 5.508           | 75   | 5.634           | 76   | 5.488           |
| 77   | 5.657           | 78   | 5.554           | 79   | 5.461           | 80   | 5.721           |
| 81   | 5.517           | 82   | 5.269           | 83   | 5.584           | 84   | 5.693           |
| 85   | 5.587           | 86   | 5.502           | 87   | 5.431           | 88   | 5.405           |
| 89   | 5.272           | 90   | 5.707           | 91   | 5.667           | 92   | 5.418           |
| 93   | 5.662           | 94   | 5.387           | 95   | 5.610           | 96   | 5.536           |
| 97   | 5.485           | 98   | 5.605           | 99   | 5.526           | 100  | 5.279           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_15

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.293           | 2    | 5.401           | 3    | 5.260           | 4    | 5.640           |
| 5    | 5.308           | 6    | 5.684           | 7    | 5.527           | 8    | 5.417           |
| 9    | 5.419           | 10   | 5.660           | 11   | 5.495           | 12   | 5.628           |
| 13   | 5.363           | 14   | 5.470           | 15   | 5.517           | 16   | 5.412           |
| 17   | 5.446           | 18   | 5.302           | 19   | 5.567           | 20   | 5.712           |
| 21   | 5.272           | 22   | 5.335           | 23   | 5.582           | 24   | 5.500           |
| 25   | 5.311           | 26   | 5.550           | 27   | 5.378           | 28   | 5.601           |
| 29   | 5.671           | 30   | 5.667           | 31   | 5.452           | 32   | 5.271           |
| 33   | 5.283           | 34   | 5.719           | 35   | 5.536           | 36   | 5.652           |
| 37   | 5.526           | 38   | 5.481           | 39   | 5.657           | 40   | 5.254           |
| 41   | 5.343           | 42   | 5.505           | 43   | 5.542           | 44   | 5.483           |
| 45   | 5.342           | 46   | 5.259           | 47   | 5.710           | 48   | 5.545           |
| 49   | 5.410           | 50   | 5.516           | 51   | 5.489           | 52   | 5.696           |
| 53   | 5.512           | 54   | 5.554           | 55   | 5.571           | 56   | 5.433           |
| 57   | 5.445           | 58   | 5.634           | 59   | 5.345           | 60   | 5.434           |
| 61   | 5.716           | 62   | 5.613           | 63   | 5.541           | 64   | 5.268           |
| 65   | 5.282           | 66   | 5.252           | 67   | 5.442           | 68   | 5.488           |
| 69   | 5.703           | 70   | 5.586           | 71   | 5.349           | 72   | 5.544           |
| 73   | 5.325           | 74   | 5.514           | 75   | 5.456           | 76   | 5.508           |
| 77   | 5.403           | 78   | 5.387           | 79   | 5.406           | 80   | 5.653           |
| 81   | 5.497           | 82   | 5.454           | 83   | 5.307           | 84   | 5.430           |
| 85   | 5.377           | 86   | 5.431           | 87   | 5.382           | 88   | 5.539           |
| 89   | 5.251           | 90   | 5.420           | 91   | 5.638           | 92   | 5.676           |
| 93   | 5.592           | 94   | 5.579           | 95   | 5.463           | 96   | 5.678           |
| 97   | 5.262           | 98   | 5.364           | 99   | 5.388           | 100  | 5.261           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_16

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.700           | 2    | 5.350           | 3    | 5.410           | 4    | 5.401           |
| 5    | 5.669           | 6    | 5.409           | 7    | 5.462           | 8    | 5.338           |
| 9    | 5.266           | 10   | 5.526           | 11   | 5.681           | 12   | 5.337           |
| 13   | 5.420           | 14   | 5.267           | 15   | 5.516           | 16   | 5.629           |
| 17   | 5.389           | 18   | 5.299           | 19   | 5.490           | 20   | 5.398           |
| 21   | 5.380           | 22   | 5.418           | 23   | 5.523           | 24   | 5.655           |
| 25   | 5.360           | 26   | 5.328           | 27   | 5.397           | 28   | 5.639           |
| 29   | 5.417           | 30   | 5.423           | 31   | 5.540           | 32   | 5.342           |
| 33   | 5.656           | 34   | 5.296           | 35   | 5.491           | 36   | 5.635           |
| 37   | 5.395           | 38   | 5.255           | 39   | 5.556           | 40   | 5.254           |
| 41   | 5.278           | 42   | 5.648           | 43   | 5.295           | 44   | 5.576           |
| 45   | 5.686           | 46   | 5.569           | 47   | 5.439           | 48   | 5.476           |
| 49   | 5.614           | 50   | 5.422           | 51   | 5.336           | 52   | 5.367           |
| 53   | 5.259           | 54   | 5.461           | 55   | 5.566           | 56   | 5.702           |
| 57   | 5.345           | 58   | 5.307           | 59   | 5.319           | 60   | 5.289           |
| 61   | 5.517           | 62   | 5.281           | 63   | 5.581           | 64   | 5.673           |
| 65   | 5.489           | 66   | 5.339           | 67   | 5.436           | 68   | 5.352           |
| 69   | 5.440           | 70   | 5.634           | 71   | 5.504           | 72   | 5.411           |
| 73   | 5.407           | 74   | 5.625           | 75   | 5.601           | 76   | 5.678           |
| 77   | 5.671           | 78   | 5.282           | 79   | 5.710           | 80   | 5.324           |
| 81   | 5.264           | 82   | 5.536           | 83   | 5.633           | 84   | 5.499           |
| 85   | 5.271           | 86   | 5.568           | 87   | 5.559           | 88   | 5.644           |
| 89   | 5.514           | 90   | 5.664           | 91   | 5.326           | 92   | 5.294           |
| 93   | 5.646           | 94   | 5.315           | 95   | 5.340           | 96   | 5.408           |
| 97   | 5.638           | 98   | 5.599           | 99   | 5.670           | 100  | 5.561           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_17

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.563           | 2    | 5.478           | 3    | 5.723           | 4    | 5.319           |
| 5    | 5.374           | 6    | 5.492           | 7    | 5.469           | 8    | 5.292           |
| 9    | 5.525           | 10   | 5.252           | 11   | 5.350           | 12   | 5.608           |
| 13   | 5.323           | 14   | 5.681           | 15   | 5.388           | 16   | 5.545           |
| 17   | 5.291           | 18   | 5.517           | 19   | 5.253           | 20   | 5.383           |
| 21   | 5.489           | 22   | 5.654           | 23   | 5.704           | 24   | 5.616           |
| 25   | 5.621           | 26   | 5.593           | 27   | 5.435           | 28   | 5.332           |
| 29   | 5.420           | 30   | 5.375           | 31   | 5.587           | 32   | 5.610           |
| 33   | 5.498           | 34   | 5.376           | 35   | 5.661           | 36   | 5.596           |
| 37   | 5.413           | 38   | 5.269           | 39   | 5.701           | 40   | 5.510           |
| 41   | 5.266           | 42   | 5.626           | 43   | 5.516           | 44   | 5.483           |
| 45   | 5.467           | 46   | 5.518           | 47   | 5.586           | 48   | 5.255           |
| 49   | 5.512           | 50   | 5.315           | 51   | 5.639           | 52   | 5.316           |
| 53   | 5.667           | 54   | 5.625           | 55   | 5.495           | 56   | 5.560           |
| 57   | 5.455           | 58   | 5.286           | 59   | 5.324           | 60   | 5.678           |
| 61   | 5.555           | 62   | 5.594           | 63   | 5.662           | 64   | 5.505           |
| 65   | 5.320           | 66   | 5.685           | 67   | 5.282           | 68   | 5.335           |
| 69   | 5.677           | 70   | 5.585           | 71   | 5.526           | 72   | 5.670           |
| 73   | 5.400           | 74   | 5.541           | 75   | 5.488           | 76   | 5.477           |
| 77   | 5.480           | 78   | 5.507           | 79   | 5.449           | 80   | 5.385           |
| 81   | 5.473           | 82   | 5.412           | 83   | 5.714           | 84   | 5.549           |
| 85   | 5.690           | 86   | 5.295           | 87   | 5.619           | 88   | 5.683           |
| 89   | 5.411           | 90   | 5.343           | 91   | 5.664           | 92   | 5.637           |
| 93   | 5.351           | 94   | 5.285           | 95   | 5.691           | 96   | 5.554           |
| 97   | 5.415           | 98   | 5.530           | 99   | 5.692           | 100  | 5.452           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_18

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.497           | 2    | 5.599           | 3    | 5.670           | 4    | 5.665           |
| 5    | 5.351           | 6    | 5.278           | 7    | 5.388           | 8    | 5.600           |
| 9    | 5.263           | 10   | 5.572           | 11   | 5.364           | 12   | 5.532           |
| 13   | 5.643           | 14   | 5.487           | 15   | 5.486           | 16   | 5.631           |
| 17   | 5.515           | 18   | 5.492           | 19   | 5.373           | 20   | 5.442           |
| 21   | 5.358           | 22   | 5.293           | 23   | 5.562           | 24   | 5.355           |
| 25   | 5.496           | 26   | 5.467           | 27   | 5.679           | 28   | 5.707           |
| 29   | 5.607           | 30   | 5.513           | 31   | 5.489           | 32   | 5.485           |
| 33   | 5.320           | 34   | 5.418           | 35   | 5.621           | 36   | 5.416           |
| 37   | 5.522           | 38   | 5.407           | 39   | 5.303           | 40   | 5.357           |
| 41   | 5.378           | 42   | 5.542           | 43   | 5.678           | 44   | 5.452           |
| 45   | 5.574           | 46   | 5.449           | 47   | 5.546           | 48   | 5.610           |
| 49   | 5.434           | 50   | 5.613           | 51   | 5.650           | 52   | 5.469           |
| 53   | 5.281           | 54   | 5.608           | 55   | 5.524           | 56   | 5.529           |
| 57   | 5.428           | 58   | 5.661           | 59   | 5.544           | 60   | 5.512           |
| 61   | 5.393           | 62   | 5.411           | 63   | 5.471           | 64   | 5.462           |
| 65   | 5.504           | 66   | 5.399           | 67   | 5.638           | 68   | 5.298           |
| 69   | 5.395           | 70   | 5.553           | 71   | 5.273           | 72   | 5.578           |
| 73   | 5.463           | 74   | 5.423           | 75   | 5.307           | 76   | 5.516           |
| 77   | 5.507           | 78   | 5.480           | 79   | 5.360           | 80   | 5.721           |
| 81   | 5.598           | 82   | 5.376           | 83   | 5.494           | 84   | 5.398           |
| 85   | 5.595           | 86   | 5.521           | 87   | 5.305           | 88   | 5.446           |
| 89   | 5.275           | 90   | 5.443           | 91   | 5.316           | 92   | 5.437           |
| 93   | 5.549           | 94   | 5.693           | 95   | 5.269           | 96   | 5.295           |
| 97   | 5.668           | 98   | 5.586           | 99   | 5.719           | 100  | 5.615           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_19

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.691           | 2    | 5.551           | 3    | 5.579           | 4    | 5.350           |
| 5    | 5.688           | 6    | 5.622           | 7    | 5.294           | 8    | 5.547           |
| 9    | 5.460           | 10   | 5.446           | 11   | 5.270           | 12   | 5.541           |
| 13   | 5.620           | 14   | 5.571           | 15   | 5.384           | 16   | 5.633           |
| 17   | 5.477           | 18   | 5.503           | 19   | 5.553           | 20   | 5.629           |
| 21   | 5.472           | 22   | 5.542           | 23   | 5.528           | 24   | 5.544           |
| 25   | 5.613           | 26   | 5.700           | 27   | 5.434           | 28   | 5.358           |
| 29   | 5.525           | 30   | 5.305           | 31   | 5.644           | 32   | 5.516           |
| 33   | 5.648           | 34   | 5.684           | 35   | 5.488           | 36   | 5.478           |
| 37   | 5.498           | 38   | 5.335           | 39   | 5.441           | 40   | 5.361           |
| 41   | 5.411           | 42   | 5.420           | 43   | 5.396           | 44   | 5.515           |
| 45   | 5.353           | 46   | 5.266           | 47   | 5.451           | 48   | 5.386           |
| 49   | 5.617           | 50   | 5.588           | 51   | 5.374           | 52   | 5.532           |
| 53   | 5.666           | 54   | 5.669           | 55   | 5.314           | 56   | 5.431           |
| 57   | 5.520           | 58   | 5.306           | 59   | 5.272           | 60   | 5.279           |
| 61   | 5.634           | 62   | 5.654           | 63   | 5.619           | 64   | 5.504           |
| 65   | 5.334           | 66   | 5.685           | 67   | 5.690           | 68   | 5.646           |
| 69   | 5.575           | 70   | 5.641           | 71   | 5.297           | 72   | 5.282           |
| 73   | 5.713           | 74   | 5.479           | 75   | 5.663           | 76   | 5.695           |
| 77   | 5.492           | 78   | 5.493           | 79   | 5.668           | 80   | 5.327           |
| 81   | 5.288           | 82   | 5.296           | 83   | 5.413           | 84   | 5.511           |
| 85   | 5.486           | 86   | 5.597           | 87   | 5.286           | 88   | 5.661           |
| 89   | 5.421           | 90   | 5.405           | 91   | 5.536           | 92   | 5.719           |
| 93   | 5.518           | 94   | 5.590           | 95   | 5.608           | 96   | 5.408           |
| 97   | 5.582           | 98   | 5.303           | 99   | 5.449           | 100  | 5.414           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_20

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.680           | 2    | 5.483           | 3    | 5.416           | 4    | 5.549           |
| 5    | 5.475           | 6    | 5.321           | 7    | 5.633           | 8    | 5.278           |
| 9    | 5.311           | 10   | 5.524           | 11   | 5.678           | 12   | 5.521           |
| 13   | 5.605           | 14   | 5.367           | 15   | 5.691           | 16   | 5.672           |
| 17   | 5.370           | 18   | 5.504           | 19   | 5.488           | 20   | 5.433           |
| 21   | 5.465           | 22   | 5.282           | 23   | 5.266           | 24   | 5.701           |
| 25   | 5.709           | 26   | 5.267           | 27   | 5.445           | 28   | 5.385           |
| 29   | 5.623           | 30   | 5.299           | 31   | 5.419           | 32   | 5.707           |
| 33   | 5.617           | 34   | 5.322           | 35   | 5.498           | 36   | 5.632           |
| 37   | 5.649           | 38   | 5.546           | 39   | 5.446           | 40   | 5.541           |
| 41   | 5.599           | 42   | 5.630           | 43   | 5.256           | 44   | 5.568           |
| 45   | 5.566           | 46   | 5.537           | 47   | 5.534           | 48   | 5.277           |
| 49   | 5.618           | 50   | 5.374           | 51   | 5.455           | 52   | 5.283           |
| 53   | 5.564           | 54   | 5.312           | 55   | 5.693           | 56   | 5.436           |
| 57   | 5.338           | 58   | 5.372           | 59   | 5.272           | 60   | 5.369           |
| 61   | 5.696           | 62   | 5.507           | 63   | 5.695           | 64   | 5.529           |
| 65   | 5.317           | 66   | 5.384           | 67   | 5.297           | 68   | 5.494           |
| 69   | 5.366           | 70   | 5.705           | 71   | 5.300           | 72   | 5.715           |
| 73   | 5.481           | 74   | 5.287           | 75   | 5.698           | 76   | 5.301           |
| 77   | 5.655           | 78   | 5.670           | 79   | 5.264           | 80   | 5.420           |
| 81   | 5.262           | 82   | 5.676           | 83   | 5.683           | 84   | 5.394           |
| 85   | 5.540           | 86   | 5.337           | 87   | 5.326           | 88   | 5.431           |
| 89   | 5.381           | 90   | 5.505           | 91   | 5.515           | 92   | 5.275           |
| 93   | 5.408           | 94   | 5.690           | 95   | 5.306           | 96   | 5.359           |
| 97   | 5.427           | 98   | 5.342           | 99   | 5.356           | 100  | 5.462           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_21

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.600           | 2    | 5.680           | 3    | 5.444           | 4    | 5.459           |
| 5    | 5.718           | 6    | 5.298           | 7    | 5.441           | 8    | 5.605           |
| 9    | 5.622           | 10   | 5.505           | 11   | 5.286           | 12   | 5.634           |
| 13   | 5.683           | 14   | 5.583           | 15   | 5.428           | 16   | 5.667           |
| 17   | 5.570           | 18   | 5.549           | 19   | 5.553           | 20   | 5.353           |
| 21   | 5.602           | 22   | 5.544           | 23   | 5.377           | 24   | 5.341           |
| 25   | 5.677           | 26   | 5.713           | 27   | 5.629           | 28   | 5.321           |
| 29   | 5.483           | 30   | 5.363           | 31   | 5.636           | 32   | 5.504           |
| 33   | 5.595           | 34   | 5.384           | 35   | 5.474           | 36   | 5.625           |
| 37   | 5.269           | 38   | 5.624           | 39   | 5.665           | 40   | 5.375           |
| 41   | 5.712           | 42   | 5.345           | 43   | 5.418           | 44   | 5.457           |
| 45   | 5.311           | 46   | 5.656           | 47   | 5.507           | 48   | 5.429           |
| 49   | 5.440           | 50   | 5.320           | 51   | 5.540           | 52   | 5.477           |
| 53   | 5.411           | 54   | 5.561           | 55   | 5.352           | 56   | 5.317           |
| 57   | 5.497           | 58   | 5.423           | 59   | 5.576           | 60   | 5.367           |
| 61   | 5.509           | 62   | 5.472           | 63   | 5.641           | 64   | 5.597           |
| 65   | 5.559           | 66   | 5.585           | 67   | 5.626           | 68   | 5.336           |
| 69   | 5.271           | 70   | 5.313           | 71   | 5.420           | 72   | 5.448           |
| 73   | 5.443           | 74   | 5.381           | 75   | 5.647           | 76   | 5.431           |
| 77   | 5.370           | 78   | 5.580           | 79   | 5.323           | 80   | 5.548           |
| 81   | 5.430           | 82   | 5.596           | 83   | 5.523           | 84   | 5.530           |
| 85   | 5.560           | 86   | 5.592           | 87   | 5.314           | 88   | 5.422           |
| 89   | 5.607           | 90   | 5.385           | 91   | 5.628           | 92   | 5.421           |
| 93   | 5.463           | 94   | 5.437           | 95   | 5.646           | 96   | 5.648           |
| 97   | 5.536           | 98   | 5.296           | 99   | 5.312           | 100  | 5.409           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_22

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.290           | 2    | 5.317           | 3    | 5.630           | 4    | 5.724           |
| 5    | 5.411           | 6    | 5.700           | 7    | 5.507           | 8    | 5.263           |
| 9    | 5.308           | 10   | 5.568           | 11   | 5.400           | 12   | 5.252           |
| 13   | 5.499           | 14   | 5.570           | 15   | 5.528           | 16   | 5.461           |
| 17   | 5.638           | 18   | 5.399           | 19   | 5.398           | 20   | 5.254           |
| 21   | 5.684           | 22   | 5.616           | 23   | 5.659           | 24   | 5.285           |
| 25   | 5.640           | 26   | 5.647           | 27   | 5.357           | 28   | 5.279           |
| 29   | 5.324           | 30   | 5.323           | 31   | 5.327           | 32   | 5.626           |
| 33   | 5.722           | 34   | 5.345           | 35   | 5.302           | 36   | 5.483           |
| 37   | 5.702           | 38   | 5.384           | 39   | 5.305           | 40   | 5.651           |
| 41   | 5.498           | 42   | 5.693           | 43   | 5.255           | 44   | 5.564           |
| 45   | 5.299           | 46   | 5.482           | 47   | 5.446           | 48   | 5.704           |
| 49   | 5.459           | 50   | 5.582           | 51   | 5.288           | 52   | 5.720           |
| 53   | 5.335           | 54   | 5.286           | 55   | 5.541           | 56   | 5.457           |
| 57   | 5.272           | 58   | 5.365           | 59   | 5.529           | 60   | 5.618           |
| 61   | 5.441           | 62   | 5.581           | 63   | 5.386           | 64   | 5.650           |
| 65   | 5.580           | 66   | 5.612           | 67   | 5.601           | 68   | 5.557           |
| 69   | 5.486           | 70   | 5.608           | 71   | 5.511           | 72   | 5.664           |
| 73   | 5.675           | 74   | 5.525           | 75   | 5.567           | 76   | 5.678           |
| 77   | 5.586           | 78   | 5.336           | 79   | 5.291           | 80   | 5.387           |
| 81   | 5.625           | 82   | 5.356           | 83   | 5.412           | 84   | 5.706           |
| 85   | 5.591           | 86   | 5.688           | 87   | 5.374           | 88   | 5.401           |
| 89   | 5.510           | 90   | 5.624           | 91   | 5.321           | 92   | 5.339           |
| 93   | 5.466           | 94   | 5.475           | 95   | 5.655           | 96   | 5.328           |
| 97   | 5.513           | 98   | 5.686           | 99   | 5.352           | 100  | 5.261           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_23

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.367           | 2    | 5.276           | 3    | 5.659           | 4    | 5.686           |
| 5    | 5.388           | 6    | 5.552           | 7    | 5.452           | 8    | 5.285           |
| 9    | 5.475           | 10   | 5.441           | 11   | 5.514           | 12   | 5.266           |
| 13   | 5.432           | 14   | 5.462           | 15   | 5.545           | 16   | 5.348           |
| 17   | 5.442           | 18   | 5.489           | 19   | 5.271           | 20   | 5.277           |
| 21   | 5.542           | 22   | 5.594           | 23   | 5.411           | 24   | 5.517           |
| 25   | 5.613           | 26   | 5.275           | 27   | 5.426           | 28   | 5.661           |
| 29   | 5.286           | 30   | 5.595           | 31   | 5.645           | 32   | 5.688           |
| 33   | 5.357           | 34   | 5.690           | 35   | 5.543           | 36   | 5.364           |
| 37   | 5.497           | 38   | 5.393           | 39   | 5.435           | 40   | 5.345           |
| 41   | 5.482           | 42   | 5.344           | 43   | 5.570           | 44   | 5.593           |
| 45   | 5.715           | 46   | 5.602           | 47   | 5.548           | 48   | 5.451           |
| 49   | 5.633           | 50   | 5.471           | 51   | 5.605           | 52   | 5.324           |
| 53   | 5.550           | 54   | 5.526           | 55   | 5.445           | 56   | 5.651           |
| 57   | 5.289           | 58   | 5.582           | 59   | 5.535           | 60   | 5.251           |
| 61   | 5.549           | 62   | 5.362           | 63   | 5.527           | 64   | 5.294           |
| 65   | 5.539           | 66   | 5.423           | 67   | 5.268           | 68   | 5.400           |
| 69   | 5.368           | 70   | 5.684           | 71   | 5.553           | 72   | 5.703           |
| 73   | 5.460           | 74   | 5.436           | 75   | 5.448           | 76   | 5.309           |
| 77   | 5.290           | 78   | 5.260           | 79   | 5.444           | 80   | 5.588           |
| 81   | 5.530           | 82   | 5.682           | 83   | 5.418           | 84   | 5.560           |
| 85   | 5.320           | 86   | 5.486           | 87   | 5.404           | 88   | 5.428           |
| 89   | 5.663           | 90   | 5.401           | 91   | 5.580           | 92   | 5.484           |
| 93   | 5.495           | 94   | 5.319           | 95   | 5.267           | 96   | 5.618           |
| 97   | 5.431           | 98   | 5.327           | 99   | 5.252           | 100  | 5.547           |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_24

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.280           | 2    | 5.283           | 3    | 5.409           | 4    | 5.651           |
| 5    | 5.340           | 6    | 5.620           | 7    | 5.366           | 8    | 5.353           |
| 9    | 5.501           | 10   | 5.456           | 11   | 5.573           | 12   | 5.583           |
| 13   | 5.375           | 14   | 5.630           | 15   | 5.291           | 16   | 5.333           |
| 17   | 5.477           | 18   | 5.453           | 19   | 5.513           | 20   | 5.510           |
| 21   | 5.445           | 22   | 5.407           | 23   | 5.401           | 24   | 5.671           |
| 25   | 5.523           | 26   | 5.428           | 27   | 5.655           | 28   | 5.603           |
| 29   | 5.650           | 30   | 5.270           | 31   | 5.348           | 32   | 5.367           |
| 33   | 5.564           | 34   | 5.673           | 35   | 5.362           | 36   | 5.378           |
| 37   | 5.528           | 38   | 5.334           | 39   | 5.365           | 40   | 5.568           |
| 41   | 5.341           | 42   | 5.636           | 43   | 5.411           | 44   | 5.549           |
| 45   | 5.394           | 46   | 5.271           | 47   | 5.420           | 48   | 5.724           |
| 49   | 5.467           | 50   | 5.423           | 51   | 5.427           | 52   | 5.580           |
| 53   | 5.611           | 54   | 5.313           | 55   | 5.584           | 56   | 5.553           |
| 57   | 5.396           | 58   | 5.688           | 59   | 5.516           | 60   | 5.433           |
| 61   | 5.487           | 62   | 5.308           | 63   | 5.296           | 64   | 5.338           |
| 65   | 5.666           | 66   | 5.464           | 67   | 5.389           | 68   | 5.421           |
| 69   | 5.721           | 70   | 5.605           | 71   | 5.555           | 72   | 5.447           |
| 73   | 5.455           | 74   | 5.567           | 75   | 5.585           | 76   | 5.656           |
| 77   | 5.469           | 78   | 5.640           | 79   | 5.629           | 80   | 5.424           |
| 81   | 5.481           | 82   | 5.329           | 83   | 5.342           | 84   | 5.610           |
| 85   | 5.710           | 86   | 5.489           | 87   | 5.343           | 88   | 5.442           |
| 89   | 5.692           | 90   | 5.292           | 91   | 5.702           | 92   | 5.601           |
| 93   | 5.491           | 94   | 5.626           | 95   | 5.644           | 96   | 5.641           |
| 97   | 5.406           | 98   | 5.450           | 99   | 5.569           | 100  | 5.690           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_25

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.615           | 2    | 5.657           | 3    | 5.676           | 4    | 5.592           |
| 5    | 5.327           | 6    | 5.300           | 7    | 5.337           | 8    | 5.680           |
| 9    | 5.448           | 10   | 5.690           | 11   | 5.417           | 12   | 5.567           |
| 13   | 5.604           | 14   | 5.694           | 15   | 5.516           | 16   | 5.503           |
| 17   | 5.312           | 18   | 5.598           | 19   | 5.696           | 20   | 5.383           |
| 21   | 5.718           | 22   | 5.475           | 23   | 5.603           | 24   | 5.464           |
| 25   | 5.425           | 26   | 5.677           | 27   | 5.320           | 28   | 5.367           |
| 29   | 5.313           | 30   | 5.436           | 31   | 5.463           | 32   | 5.699           |
| 33   | 5.565           | 34   | 5.371           | 35   | 5.411           | 36   | 5.659           |
| 37   | 5.661           | 38   | 5.649           | 39   | 5.391           | 40   | 5.589           |
| 41   | 5.452           | 42   | 5.410           | 43   | 5.484           | 44   | 5.302           |
| 45   | 5.692           | 46   | 5.270           | 47   | 5.386           | 48   | 5.279           |
| 49   | 5.601           | 50   | 5.513           | 51   | 5.602           | 52   | 5.673           |
| 53   | 5.501           | 54   | 5.557           | 55   | 5.494           | 56   | 5.254           |
| 57   | 5.571           | 58   | 5.264           | 59   | 5.573           | 60   | 5.440           |
| 61   | 5.281           | 62   | 5.423           | 63   | 5.358           | 64   | 5.500           |
| 65   | 5.701           | 66   | 5.525           | 67   | 5.446           | 68   | 5.369           |
| 69   | 5.499           | 70   | 5.582           | 71   | 5.717           | 72   | 5.664           |
| 73   | 5.515           | 74   | 5.514           | 75   | 5.461           | 76   | 5.631           |
| 77   | 5.719           | 78   | 5.606           | 79   | 5.483           | 80   | 5.449           |
| 81   | 5.458           | 82   | 5.447           | 83   | 5.616           | 84   | 5.482           |
| 85   | 5.453           | 86   | 5.263           | 87   | 5.542           | 88   | 5.399           |
| 89   | 5.469           | 90   | 5.275           | 91   | 5.295           | 92   | 5.291           |
| 93   | 5.416           | 94   | 5.444           | 95   | 5.599           | 96   | 5.522           |
| 97   | 5.640           | 98   | 5.632           | 99   | 5.472           | 100  | 5.583           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_26

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.339           | 2    | 5.672           | 3    | 5.594           | 4    | 5.694           |
| 5    | 5.660           | 6    | 5.647           | 7    | 5.656           | 8    | 5.705           |
| 9    | 5.551           | 10   | 5.542           | 11   | 5.295           | 12   | 5.316           |
| 13   | 5.454           | 14   | 5.592           | 15   | 5.582           | 16   | 5.303           |
| 17   | 5.465           | 18   | 5.417           | 19   | 5.512           | 20   | 5.710           |
| 21   | 5.289           | 22   | 5.286           | 23   | 5.277           | 24   | 5.440           |
| 25   | 5.584           | 26   | 5.518           | 27   | 5.505           | 28   | 5.597           |
| 29   | 5.326           | 30   | 5.371           | 31   | 5.374           | 32   | 5.639           |
| 33   | 5.355           | 34   | 5.609           | 35   | 5.618           | 36   | 5.463           |
| 37   | 5.425           | 38   | 5.404           | 39   | 5.711           | 40   | 5.506           |
| 41   | 5.394           | 42   | 5.431           | 43   | 5.703           | 44   | 5.489           |
| 45   | 5.596           | 46   | 5.575           | 47   | 5.515           | 48   | 5.655           |
| 49   | 5.652           | 50   | 5.494           | 51   | 5.358           | 52   | 5.648           |
| 53   | 5.376           | 54   | 5.457           | 55   | 5.279           | 56   | 5.707           |
| 57   | 5.412           | 58   | 5.396           | 59   | 5.319           | 60   | 5.430           |
| 61   | 5.363           | 62   | 5.379           | 63   | 5.544           | 64   | 5.364           |
| 65   | 5.499           | 66   | 5.622           | 67   | 5.476           | 68   | 5.536           |
| 69   | 5.487           | 70   | 5.587           | 71   | 5.452           | 72   | 5.418           |
| 73   | 5.333           | 74   | 5.321           | 75   | 5.528           | 76   | 5.574           |
| 77   | 5.619           | 78   | 5.386           | 79   | 5.633           | 80   | 5.467           |
| 81   | 5.600           | 82   | 5.500           | 83   | 5.504           | 84   | 5.265           |
| 85   | 5.625           | 86   | 5.359           | 87   | 5.485           | 88   | 5.372           |
| 89   | 5.569           | 90   | 5.456           | 91   | 5.573           | 92   | 5.581           |
| 93   | 5.281           | 94   | 5.314           | 95   | 5.721           | 96   | 5.650           |
| 97   | 5.713           | 98   | 5.275           | 99   | 5.686           | 100  | 5.708           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_27

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.452           | 2    | 5.650           | 3    | 5.373           | 4    | 5.568           |
| 5    | 5.602           | 6    | 5.448           | 7    | 5.593           | 8    | 5.367           |
| 9    | 5.529           | 10   | 5.515           | 11   | 5.598           | 12   | 5.338           |
| 13   | 5.380           | 14   | 5.524           | 15   | 5.371           | 16   | 5.401           |
| 17   | 5.522           | 18   | 5.411           | 19   | 5.715           | 20   | 5.590           |
| 21   | 5.300           | 22   | 5.691           | 23   | 5.433           | 24   | 5.430           |
| 25   | 5.670           | 26   | 5.318           | 27   | 5.319           | 28   | 5.333           |
| 29   | 5.260           | 30   | 5.425           | 31   | 5.530           | 32   | 5.708           |
| 33   | 5.722           | 34   | 5.712           | 35   | 5.501           | 36   | 5.654           |
| 37   | 5.485           | 38   | 5.424           | 39   | 5.638           | 40   | 5.445           |
| 41   | 5.564           | 42   | 5.439           | 43   | 5.376           | 44   | 5.442           |
| 45   | 5.619           | 46   | 5.552           | 47   | 5.347           | 48   | 5.408           |
| 49   | 5.316           | 50   | 5.643           | 51   | 5.269           | 52   | 5.484           |
| 53   | 5.687           | 54   | 5.419           | 55   | 5.573           | 56   | 5.473           |
| 57   | 5.327           | 58   | 5.293           | 59   | 5.611           | 60   | 5.475           |
| 61   | 5.537           | 62   | 5.583           | 63   | 5.444           | 64   | 5.661           |
| 65   | 5.551           | 66   | 5.255           | 67   | 5.364           | 68   | 5.349           |
| 69   | 5.574           | 70   | 5.588           | 71   | 5.680           | 72   | 5.497           |
| 73   | 5.585           | 74   | 5.534           | 75   | 5.365           | 76   | 5.721           |
| 77   | 5.469           | 78   | 5.488           | 79   | 5.406           | 80   | 5.348           |
| 81   | 5.504           | 82   | 5.671           | 83   | 5.651           | 84   | 5.375           |
| 85   | 5.286           | 86   | 5.507           | 87   | 5.414           | 88   | 5.519           |
| 89   | 5.684           | 90   | 5.438           | 91   | 5.520           | 92   | 5.265           |
| 93   | 5.404           | 94   | 5.711           | 95   | 5.586           | 96   | 5.657           |
| 97   | 5.302           | 98   | 5.575           | 99   | 5.490           | 100  | 5.464           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_28

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.434           | 2    | 5.680           | 3    | 5.335           | 4    | 5.560           |
| 5    | 5.369           | 6    | 5.305           | 7    | 5.710           | 8    | 5.275           |
| 9    | 5.315           | 10   | 5.475           | 11   | 5.269           | 12   | 5.460           |
| 13   | 5.533           | 14   | 5.627           | 15   | 5.702           | 16   | 5.661           |
| 17   | 5.707           | 18   | 5.356           | 19   | 5.687           | 20   | 5.328           |
| 21   | 5.656           | 22   | 5.563           | 23   | 5.581           | 24   | 5.361           |
| 25   | 5.694           | 26   | 5.468           | 27   | 5.456           | 28   | 5.304           |
| 29   | 5.499           | 30   | 5.255           | 31   | 5.391           | 32   | 5.647           |
| 33   | 5.320           | 34   | 5.653           | 35   | 5.298           | 36   | 5.536           |
| 37   | 5.665           | 38   | 5.268           | 39   | 5.623           | 40   | 5.721           |
| 41   | 5.620           | 42   | 5.611           | 43   | 5.313           | 44   | 5.570           |
| 45   | 5.545           | 46   | 5.716           | 47   | 5.524           | 48   | 5.628           |
| 49   | 5.698           | 50   | 5.558           | 51   | 5.278           | 52   | 5.723           |
| 53   | 5.420           | 54   | 5.359           | 55   | 5.722           | 56   | 5.492           |
| 57   | 5.446           | 58   | 5.354           | 59   | 5.474           | 60   | 5.638           |
| 61   | 5.720           | 62   | 5.618           | 63   | 5.582           | 64   | 5.326           |
| 65   | 5.398           | 66   | 5.410           | 67   | 5.634           | 68   | 5.344           |
| 69   | 5.697           | 70   | 5.253           | 71   | 5.519           | 72   | 5.424           |
| 73   | 5.594           | 74   | 5.286           | 75   | 5.599           | 76   | 5.264           |
| 77   | 5.718           | 78   | 5.576           | 79   | 5.682           | 80   | 5.432           |
| 81   | 5.584           | 82   | 5.462           | 83   | 5.525           | 84   | 5.336           |
| 85   | 5.577           | 86   | 5.459           | 87   | 5.714           | 88   | 5.449           |
| 89   | 5.483           | 90   | 5.490           | 91   | 5.347           | 92   | 5.277           |
| 93   | 5.478           | 94   | 5.292           | 95   | 5.274           | 96   | 5.377           |
| 97   | 5.617           | 98   | 5.367           | 99   | 5.472           | 100  | 5.337           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_29

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.410           | 2    | 5.585           | 3    | 5.609           | 4    | 5.523           |
| 5    | 5.304           | 6    | 5.466           | 7    | 5.262           | 8    | 5.617           |
| 9    | 5.311           | 10   | 5.677           | 11   | 5.590           | 12   | 5.283           |
| 13   | 5.305           | 14   | 5.601           | 15   | 5.404           | 16   | 5.690           |
| 17   | 5.302           | 18   | 5.655           | 19   | 5.668           | 20   | 5.389           |
| 21   | 5.412           | 22   | 5.709           | 23   | 5.286           | 24   | 5.631           |
| 25   | 5.626           | 26   | 5.487           | 27   | 5.257           | 28   | 5.491           |
| 29   | 5.328           | 30   | 5.345           | 31   | 5.651           | 32   | 5.275           |
| 33   | 5.605           | 34   | 5.430           | 35   | 5.588           | 36   | 5.705           |
| 37   | 5.289           | 38   | 5.694           | 39   | 5.365           | 40   | 5.307           |
| 41   | 5.673           | 42   | 5.288           | 43   | 5.458           | 44   | 5.363           |
| 45   | 5.573           | 46   | 5.424           | 47   | 5.654           | 48   | 5.354           |
| 49   | 5.548           | 50   | 5.696           | 51   | 5.440           | 52   | 5.701           |
| 53   | 5.629           | 54   | 5.390           | 55   | 5.334           | 56   | 5.507           |
| 57   | 5.434           | 58   | 5.724           | 59   | 5.485           | 60   | 5.444           |
| 61   | 5.527           | 62   | 5.428           | 63   | 5.360           | 64   | 5.377           |
| 65   | 5.542           | 66   | 5.641           | 67   | 5.423           | 68   | 5.446           |
| 69   | 5.483           | 70   | 5.478           | 71   | 5.537           | 72   | 5.293           |
| 73   | 5.612           | 74   | 5.476           | 75   | 5.445           | 76   | 5.702           |
| 77   | 5.596           | 78   | 5.388           | 79   | 5.544           | 80   | 5.499           |
| 81   | 5.621           | 82   | 5.353           | 83   | 5.402           | 84   | 5.603           |
| 85   | 5.650           | 86   | 5.469           | 87   | 5.327           | 88   | 5.313           |
| 89   | 5.721           | 90   | 5.432           | 91   | 5.646           | 92   | 5.680           |
| 93   | 5.640           | 94   | 5.295           | 95   | 5.606           | 96   | 5.604           |
| 97   | 5.539           | 98   | 5.325           | 99   | 5.468           | 100  | 5.484           |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_30

| SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) | SEQ# | Frequency (GHz) |
|------|-----------------|------|-----------------|------|-----------------|------|-----------------|
| 1    | 5.631           | 2    | 5.628           | 3    | 5.645           | 4    | 5.347           |
| 5    | 5.591           | 6    | 5.427           | 7    | 5.333           | 8    | 5.692           |
| 9    | 5.441           | 10   | 5.504           | 11   | 5.600           | 12   | 5.551           |
| 13   | 5.271           | 14   | 5.647           | 15   | 5.646           | 16   | 5.406           |
| 17   | 5.613           | 18   | 5.291           | 19   | 5.362           | 20   | 5.394           |
| 21   | 5.470           | 22   | 5.458           | 23   | 5.546           | 24   | 5.563           |
| 25   | 5.318           | 26   | 5.397           | 27   | 5.260           | 28   | 5.636           |
| 29   | 5.576           | 30   | 5.430           | 31   | 5.391           | 32   | 5.460           |
| 33   | 5.361           | 34   | 5.708           | 35   | 5.698           | 36   | 5.544           |
| 37   | 5.258           | 38   | 5.474           | 39   | 5.703           | 40   | 5.416           |
| 41   | 5.657           | 42   | 5.328           | 43   | 5.277           | 44   | 5.617           |
| 45   | 5.449           | 46   | 5.489           | 47   | 5.575           | 48   | 5.268           |
| 49   | 5.294           | 50   | 5.723           | 51   | 5.644           | 52   | 5.590           |
| 53   | 5.256           | 54   | 5.721           | 55   | 5.261           | 56   | 5.259           |
| 57   | 5.514           | 58   | 5.476           | 59   | 5.345           | 60   | 5.459           |
| 61   | 5.462           | 62   | 5.266           | 63   | 5.407           | 64   | 5.488           |
| 65   | 5.286           | 66   | 5.371           | 67   | 5.571           | 68   | 5.556           |
| 69   | 5.588           | 70   | 5.654           | 71   | 5.678           | 72   | 5.354           |
| 73   | 5.472           | 74   | 5.526           | 75   | 5.487           | 76   | 5.468           |
| 77   | 5.508           | 78   | 5.388           | 79   | 5.446           | 80   | 5.520           |
| 81   | 5.418           | 82   | 5.390           | 83   | 5.550           | 84   | 5.482           |
| 85   | 5.337           | 86   | 5.404           | 87   | 5.664           | 88   | 5.465           |
| 89   | 5.598           | 90   | 5.257           | 91   | 5.392           | 92   | 5.516           |
| 93   | 5.448           | 94   | 5.327           | 95   | 5.614           | 96   | 5.594           |
| 97   | 5.633           | 98   | 5.637           | 99   | 5.715           | 100  | 5.329           |

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