



DFS TEST REPORT

REPORT NO.: RF971117L07A-1

MODEL NO.: APL21-069

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TESTED: Apr. 20, 2009

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1. LAB DECLARATION

PRODUCT: Access Point 802.11 a/b/g/n
MODEL: APL21-069
BRAND: SonicWALL
APPLICANT: SonicWALL, Inc.
TEST SAMPLE: R&D SAMPLE
TESTED: Apr. 20, 2009
STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
FCC 06-96

The above equipment (Model: APL21-069) 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 EMC characteristics under the conditions specified in this report.

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Gary Chang / Assistant Manager

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	✓	✓

2.2 EUT SOFTWARE AND FIRMWARE VERSION

Table 2: The EUT software/firmware version.

No.	Product	Model No.	Software/Firmware Version
1	Access Point	APL21-069	5.2.0.1.7

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

Table 3: Antenna list.

Ant No.	Antenna	Operation Frequency Range(MHz)	Max. Gain(dBi)
1	Dipole	5250 – 5350	4
1	Dipole	5470 – 5725	4

2.4 EUT MAXIMUM AND MINIMUM CONDUCTED POWER

TABLE 4: THE MEASURED CONDUCTED OUTPUT POWER

IEEE 802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	16.40	43.652	11	12.589
1	5470~5725	16.65	46.238	11	12.589

DRAFT 802.11n (20MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	16.53	44.978	11	12.589
1	5470~5725	16.42	43.853	11	12.589

DRAFT 802.11n (40MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	14.69	29.444	11	12.589
1	5470~5725	14.70	29.512	11	12.589

2.5 EUT MAXIMUM AND MINIMUM E.I.R.P. POWER

TABLE 5: THE E.I.R.P OUTPUT POWER LIST

IEEE 802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	20.40	109.648	15	31.623
1	5470~5725	20.65	116.145	15	31.623

DRAFT 802.11n (20MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	20.53	112.980	15	31.623
1	5470~5725	20.42	110.154	15	31.623

DRAFT 802.11n (40MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	18.69	73.961	15	31.623
1	5470~5725	18.70	74.131	15	31.623

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 1 and 2 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	✓	Not required	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
Uniform Spreading	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

Table 7: Applicability of DFS requirements during normal operation.

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

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 (See Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 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.

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 See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 80% of the UNII 99% transmission power bandwidth. See Note 3.

Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows:
 • For the Short Pulse Radar Test Signals this instant is the end of the Burst.
 • For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
 • For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform.

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 1 is used and 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
1	1	1428	18	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

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

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 1: Test instruments list.

DESCRIPTION & MANUFACTURER	MODEL NO.	BRAND	CALIBRATED UNTIL
R&S Spectrum analyzer	FSP40	R&S	Oct. 21, 2009
Signal generator	8645A	Agilent	Jun. 09, 2009
Oscilloscope	TDS 5104	Tektronix	Aug. 31. 2009
Control PC	Pavilion a320d	HP	--

4.2 DESCRIPTION OF SUPPORT UNITS

TABLE 2: SUPPORT UNIT INFORMATION.

No.	Product	Brand	Model No.	ID
1	AIR NAVIGATOR	BUFFALO	WLI-UC-AG300N	FDI-09102079-0

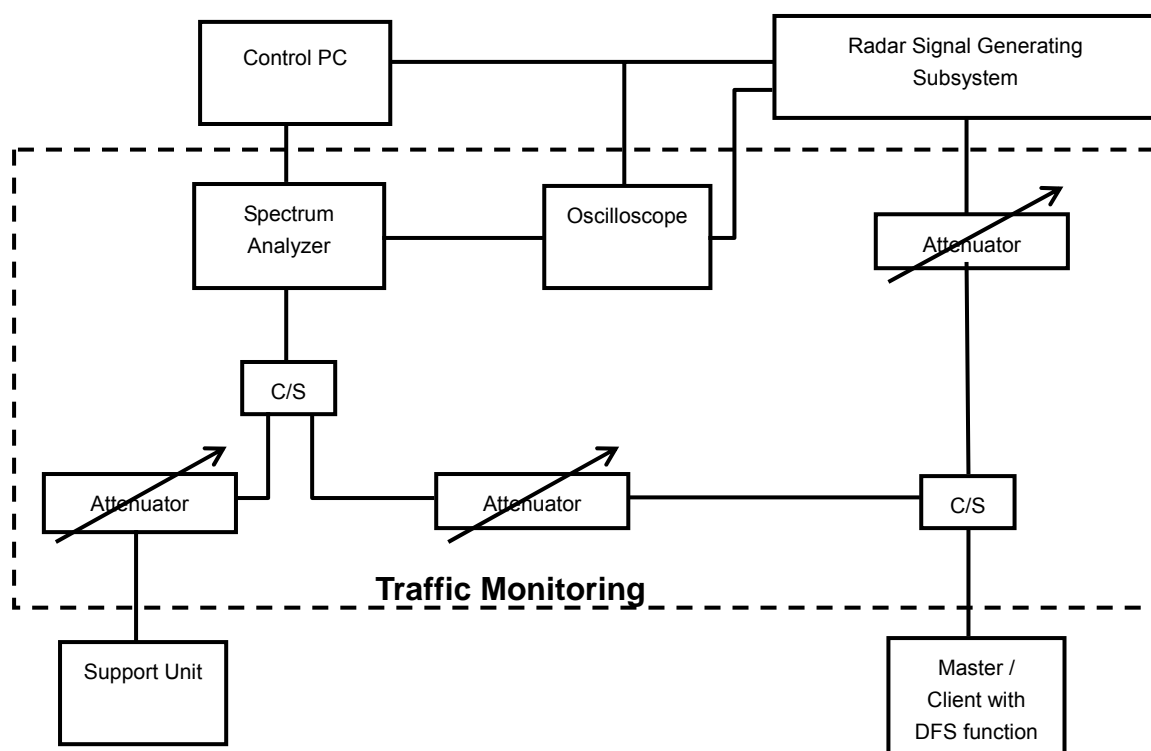
Note: This device was functioned as a Master Slave device during the DFS test.

5. TEST PROCEDURE

5.1 ADT DFS MEASUREMENT SYSTEM:

A complete ADT 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).

Conducted setup configuration of ADT DFS Measurement System



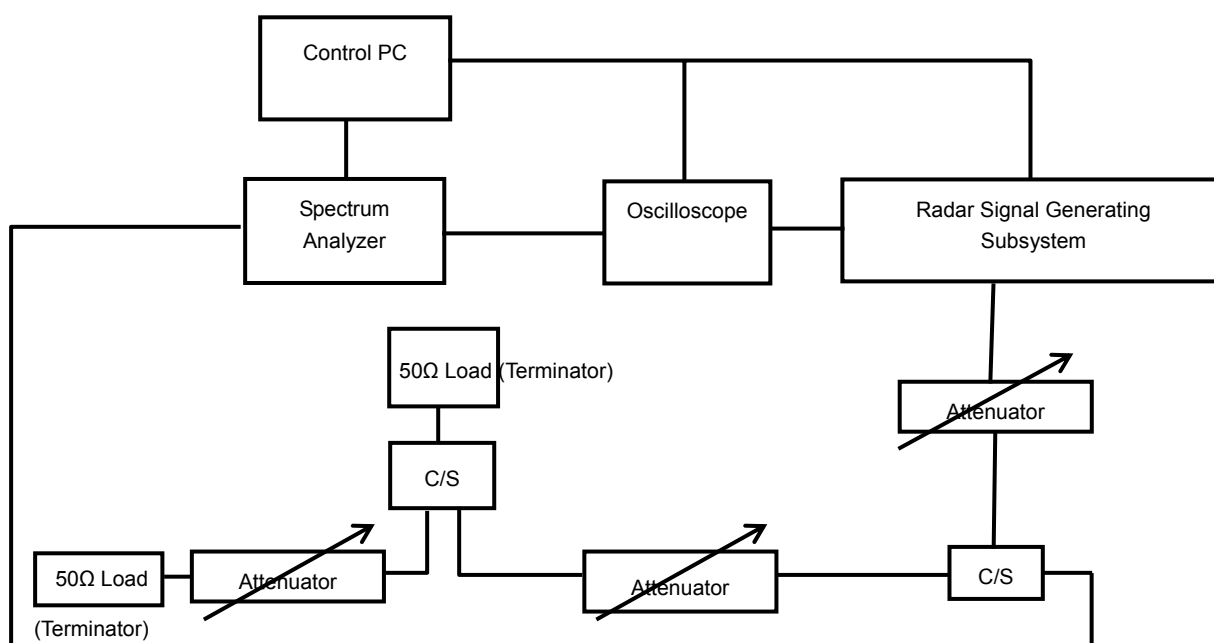
The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at:

<http://ntiacsd.ntia.doc.gov/dfs/>.

5.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:

The measured channel is 5500MHz, The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The Master antenna gain is 4 dBi Cable loss is 1 dB , Margin is 3 dB and required detection threshold is -62 dBm (= -62 +4-1-3).

Conducted setup configuration of Calibration of DFS Detection Threshold Level

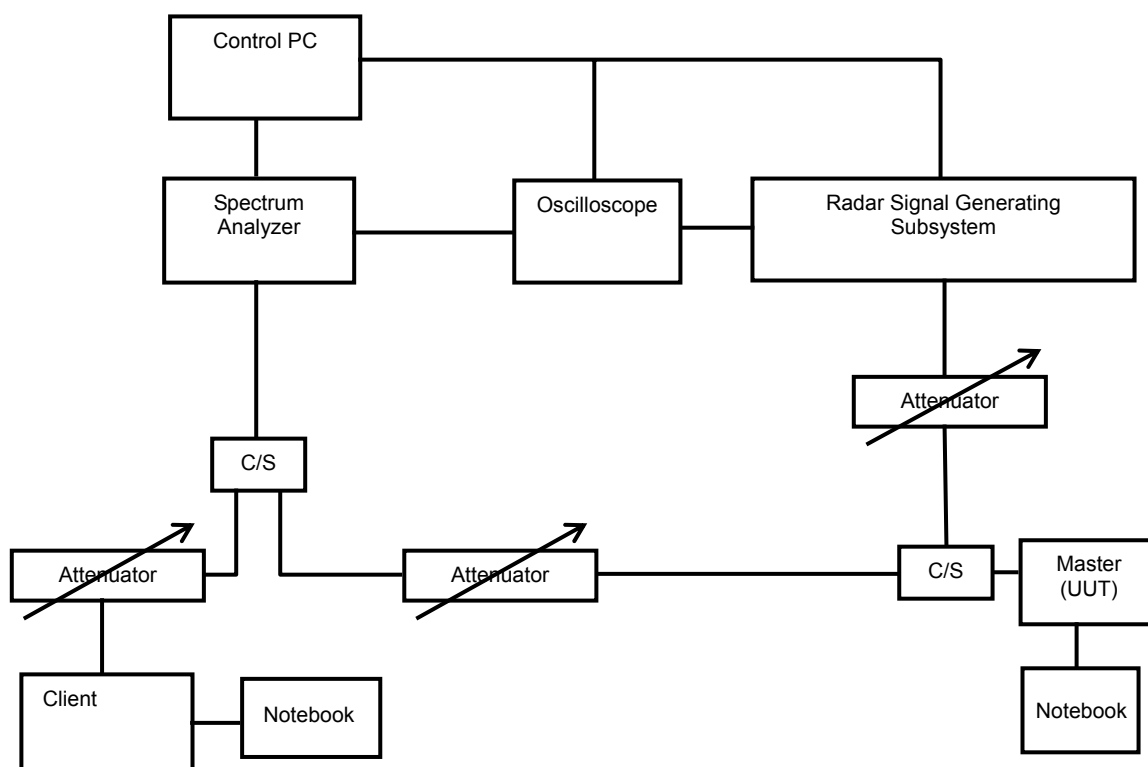


5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 CONDUCTED TEST SETUP CONFIGURATION

5.4.1 MASTER MODE



The UUT 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 RESULT

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	Uniform Spreading	Applicable	Pass
15.407	U-NII Detection Bandwidth	Applicable	Pass

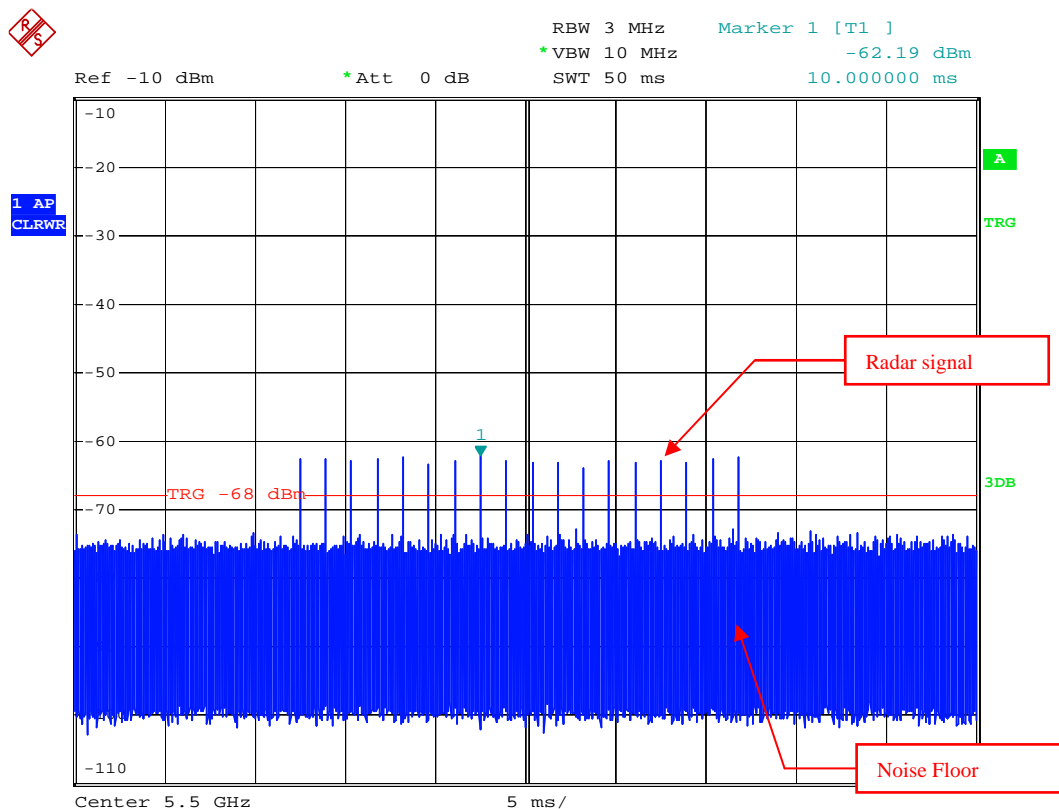
6.2 DETELED TEST RESULTS

6.2.1 TEST MODE: DEVICE OPERATING IN MASTER MODE.

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

6.2.1.1 DFS DETECTION THRESHOLD

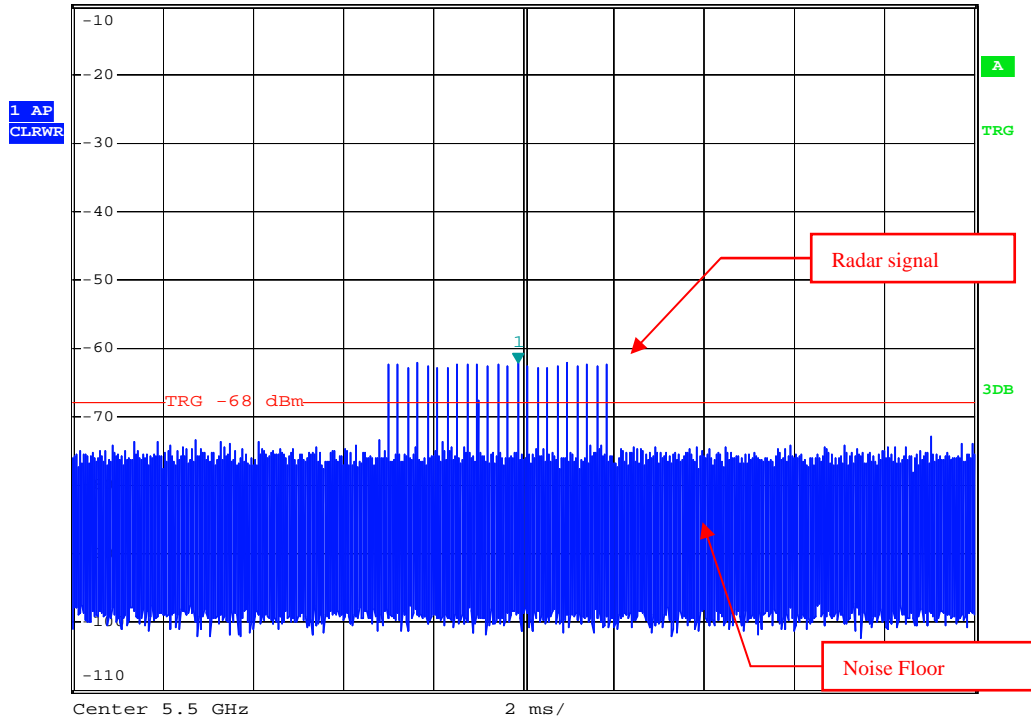
For a detection threshold level of -62dBm and the Master antenna gain is 4 dBi , Cable loss is 1 dB , Margin is 3 dB and required detection threshold is -62 dBm ($= -62 + 4 - 1 - 3$). The conducted radar burst level is set to -62 dBm .



Radar Signal 1



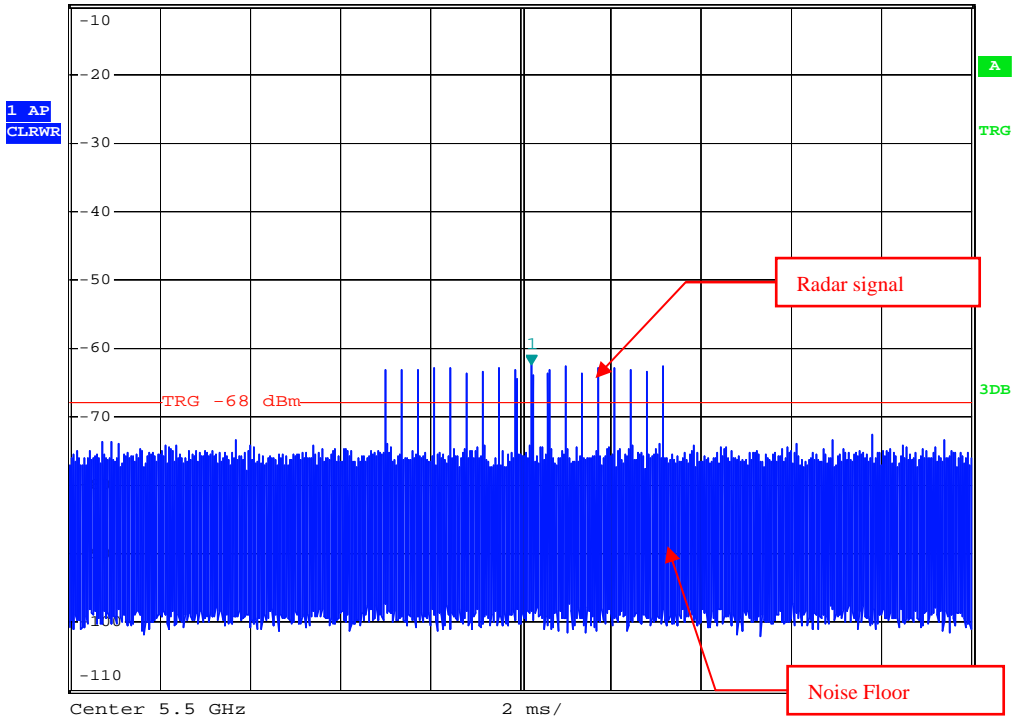
RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz -62.07 dBm
Ref -10 dBm *Att 0 dB SWT 20 ms 2.880000 ms



Radar Signal 2



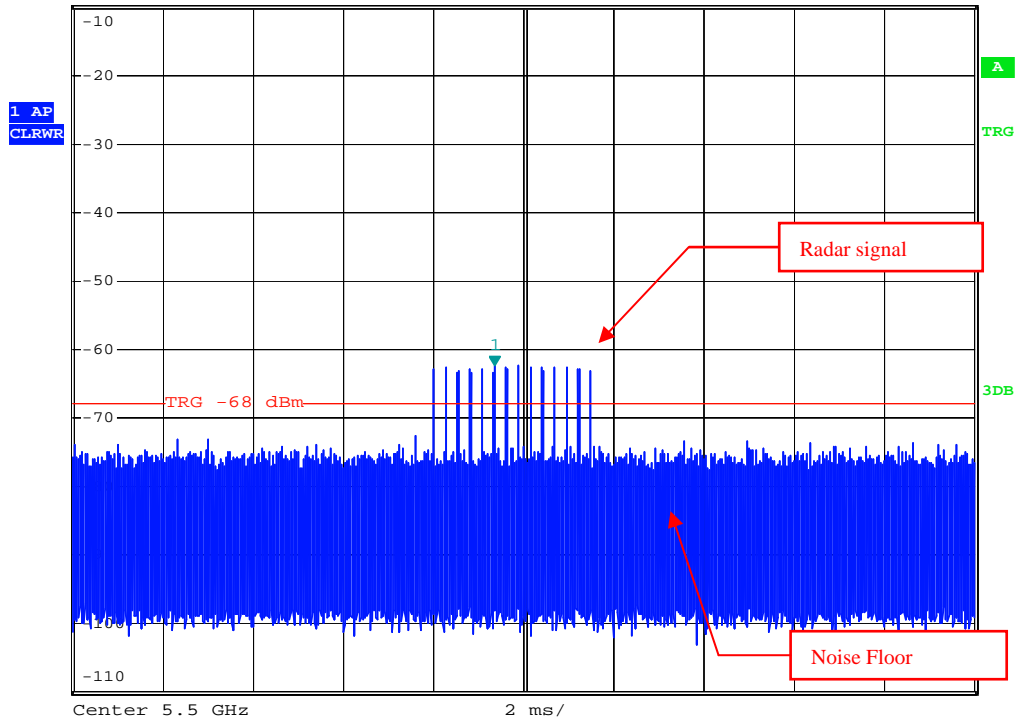
RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz -62.40 dBm
Ref -10 dBm *Att 0 dB SWT 20 ms 3.240000 ms



Radar Signal 3



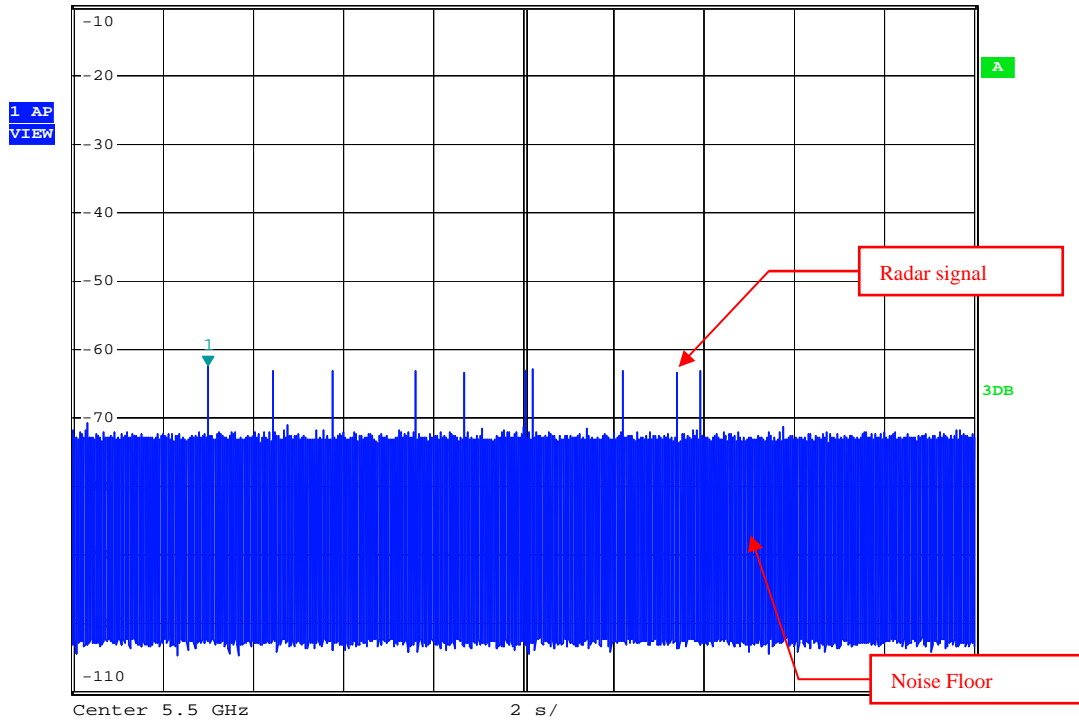
RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz -62.37 dBm
Ref -10 dBm *Att 0 dB SWT 20 ms 1.360000 ms



Radar Signal 4



Ref -10 dBm *Att 0 dB RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz -62.37 dBm
SWT 20 s 3.000000 s

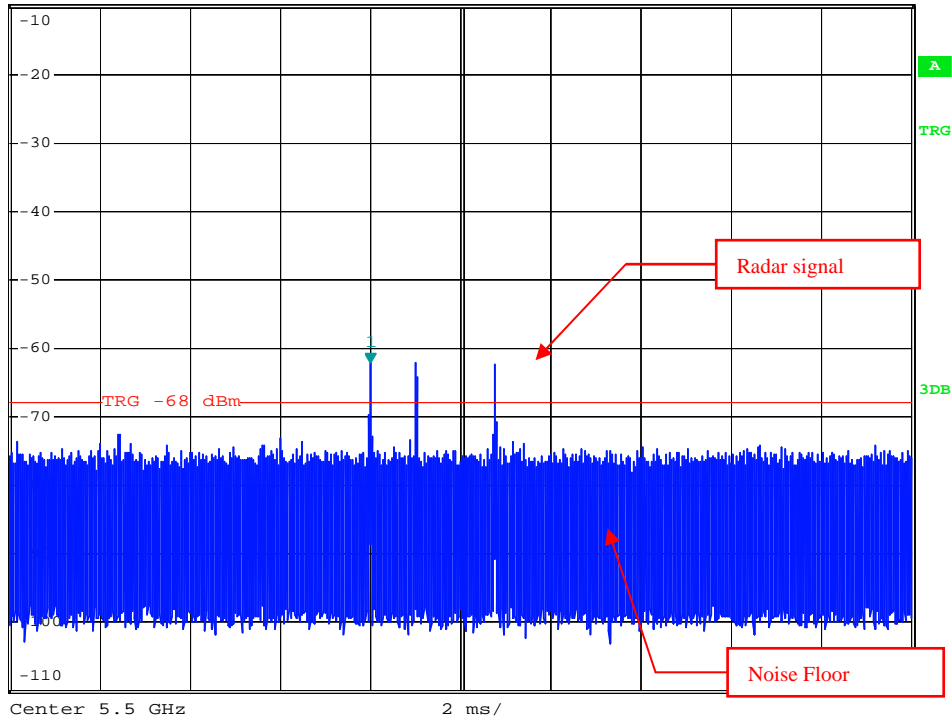


Radar Signal 5



RBW 3 MHz Marker 1 [T1]
*VBW 10 MHz -62.07 dBm
Ref -10 dBm *Att 0 dB SWT 20 ms 0.000000 s

1 AP
VIEW



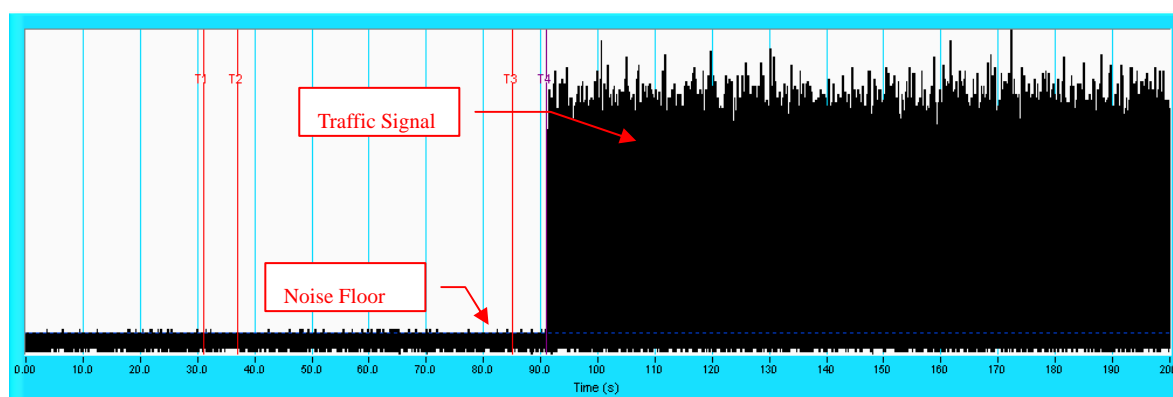
Single Burst of Radar Signal 5

6.2.1.2 CHANNEL AVAILABILITY CHECK TIME

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

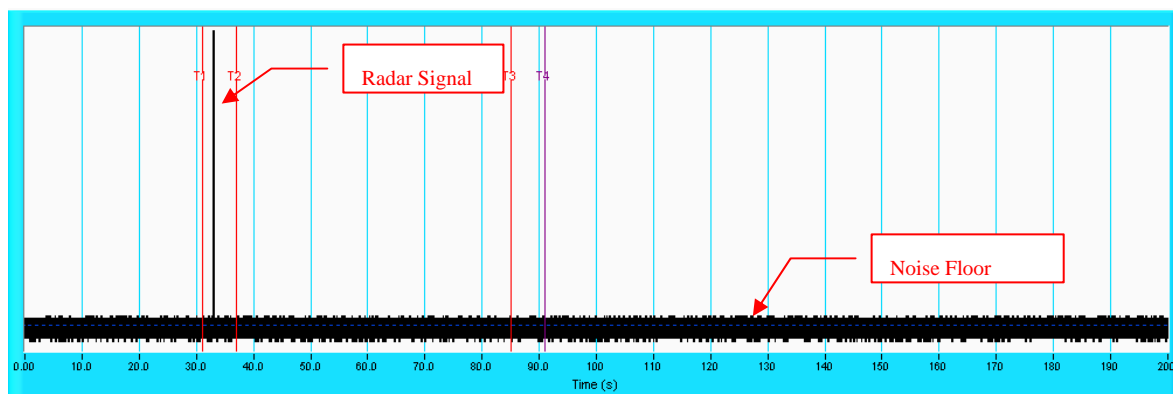
Timing of Radar Signal	Observation	
	UUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



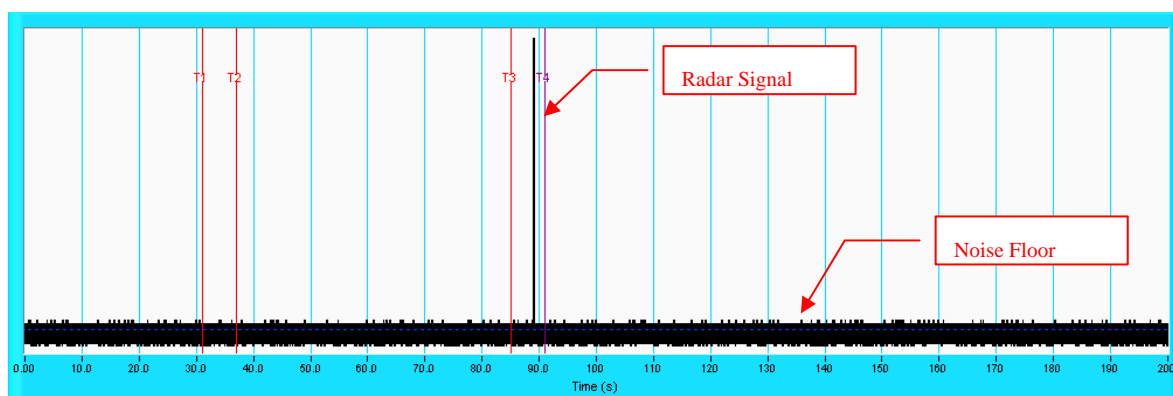
NOTE: T1 denotes the end of power-up time period is 31 second. T4 denotes the end of Channel Availability Check time is 91 second. Channel Availability Check time is equal to $(T4 - T1)$ 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



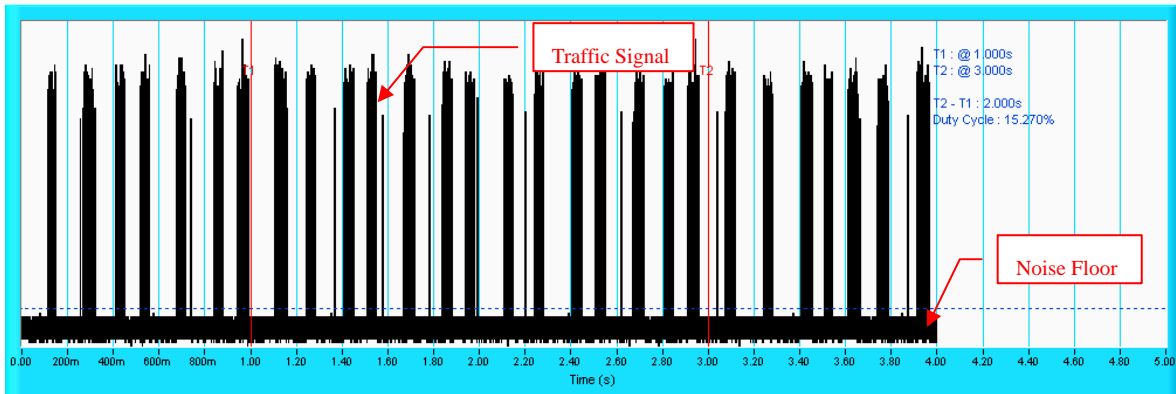
NOTE: T1 denotes the end of power up time period is 31 second. T2 denotes 37 second , the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 91 second.

Radar Burst at the End of the Channel Availability Check Time

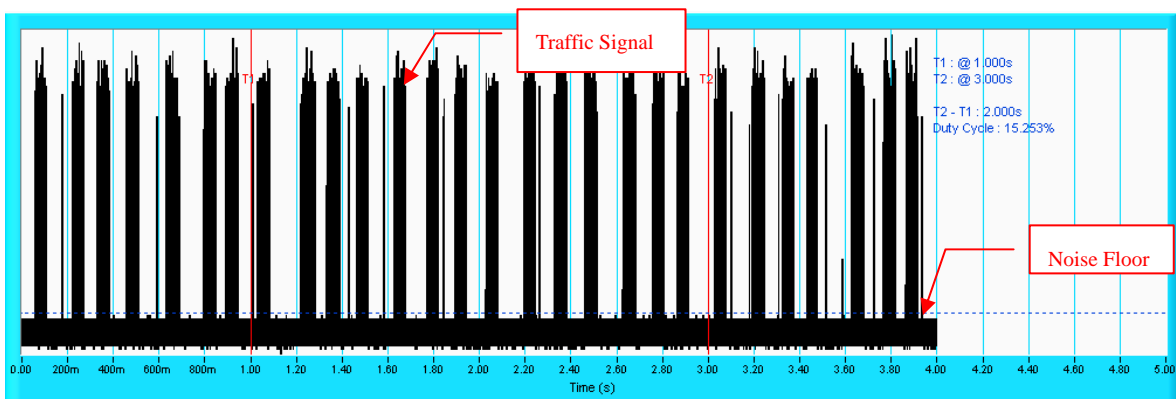


NOTE: T1 denotes the end of power up time period is 31 second. T3 denotes 85 second and radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T4 denotes the 91 second.

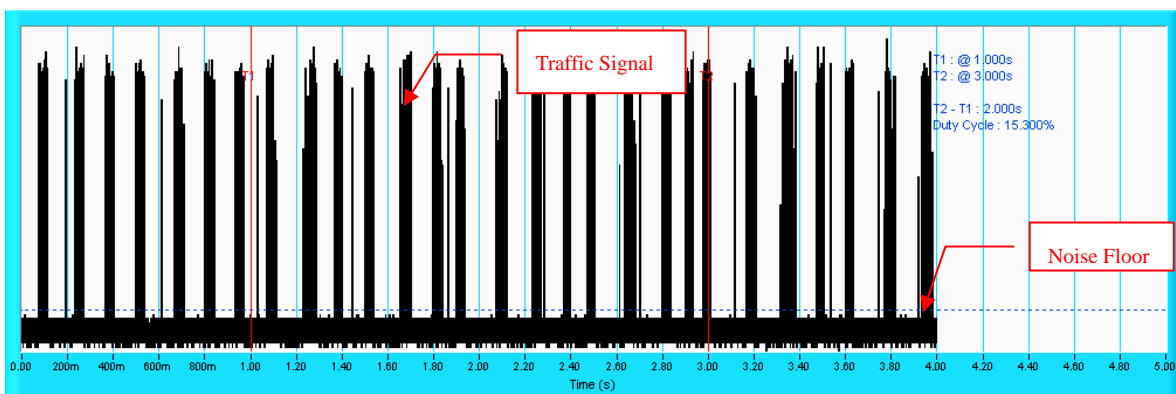
6.2.1.3 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME WLAN TRAFFIC IEEE 802.11A



IEEE 802.11N 20MHz



IEEE 802.11N 40MHz



IEEE 802.11A

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	1428	18	30	86.7
2	1-5	150-230	23-29	30	80
3	6-10	200-500	16-18	30	86.7
4	11-20	200-500	12-16	30	73.3
Aggregate (Radar Types 1-4)				120	81.67

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	90

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	90

IEEE 802.11N 20MHz

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	1428	18	30	90
2	1-5	150-230	23-29	30	86.7
3	6-10	200-500	16-18	30	83.3
4	11-20	200-500	12-16	30	83.3
Aggregate (Radar Types 1-4)				120	85.83

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	90

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	90

IEEE 802.11N 40MHz

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	1428	18	30	90
2	1-5	150-230	23-29	30	80
3	6-10	200-500	16-18	30	83.3
4	11-20	200-500	12-16	30	80
Aggregate (Radar Types 1-4)				120	83.33

Table 2: Long Pulse Radar Test Waveform

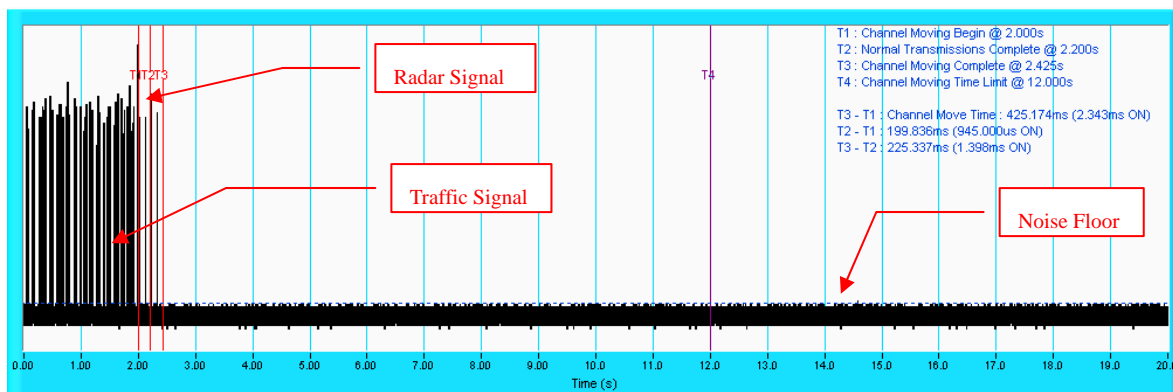
Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	80

Table 3: Frequency Hopping Radar Test Waveform

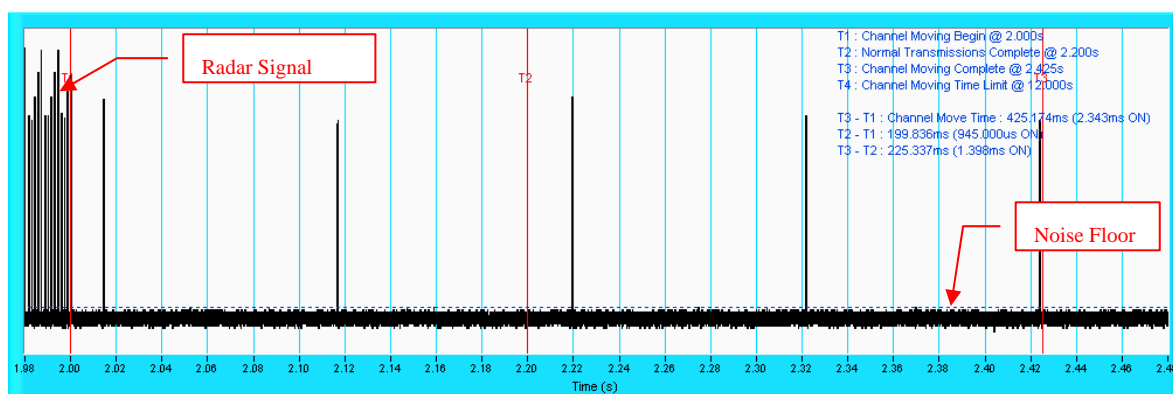
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	86.7

Radar signal 1

IEEE 802.11N 20MHz



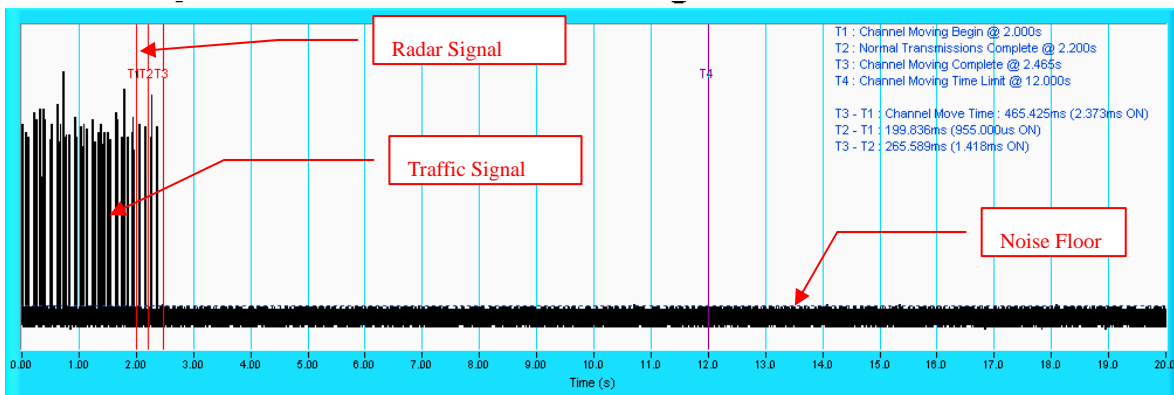
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



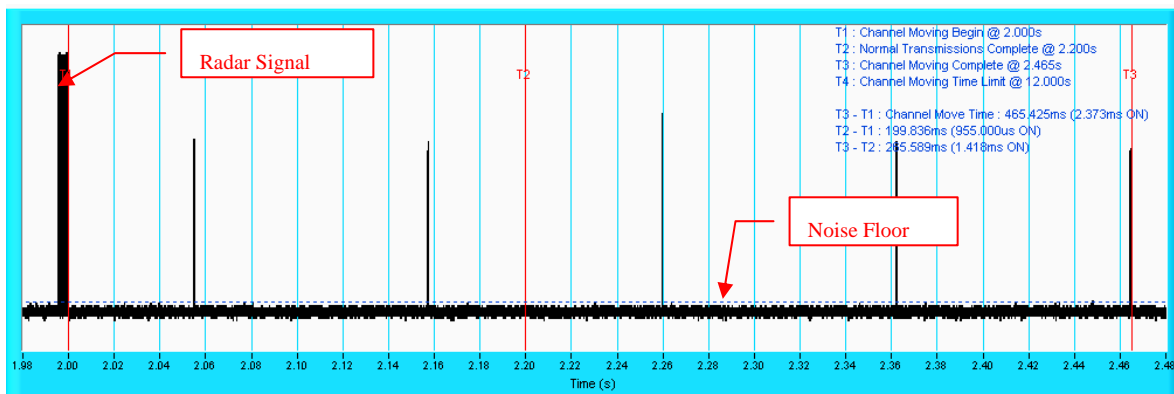
NOTE: An expanded plot for the device vacates the channel in the required 500ms

Radar signal 2

IEEE 802.11N 20MHz



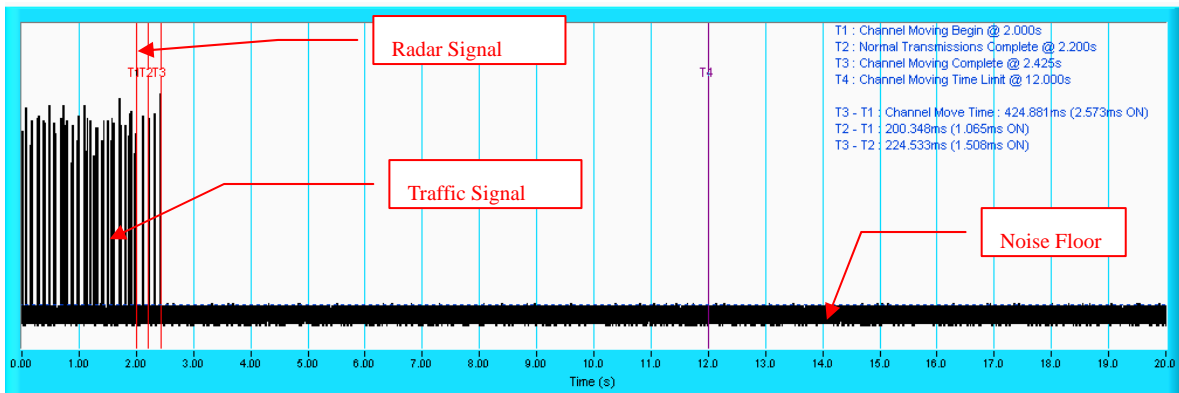
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



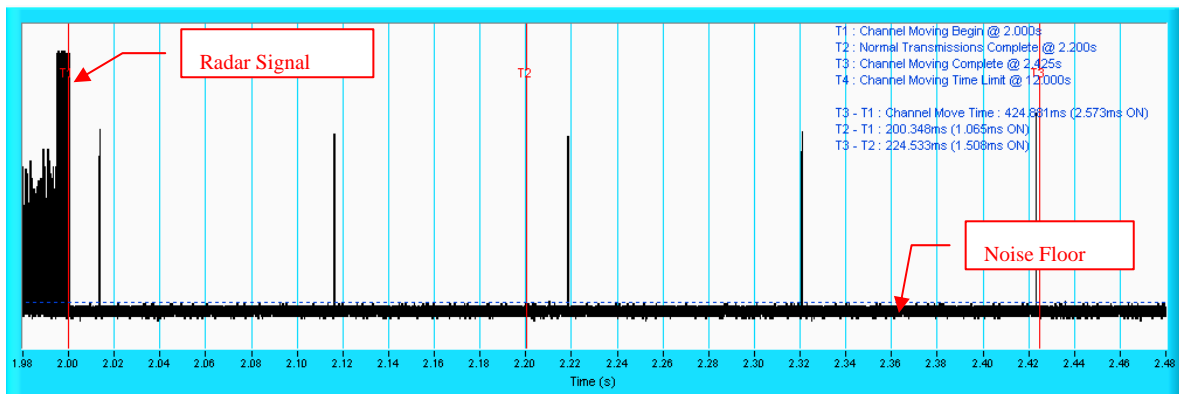
NOTE: An expanded plot for the device vacates the channel in the required 500ms

Radar signal 3

IEEE 802.11N 20MHz



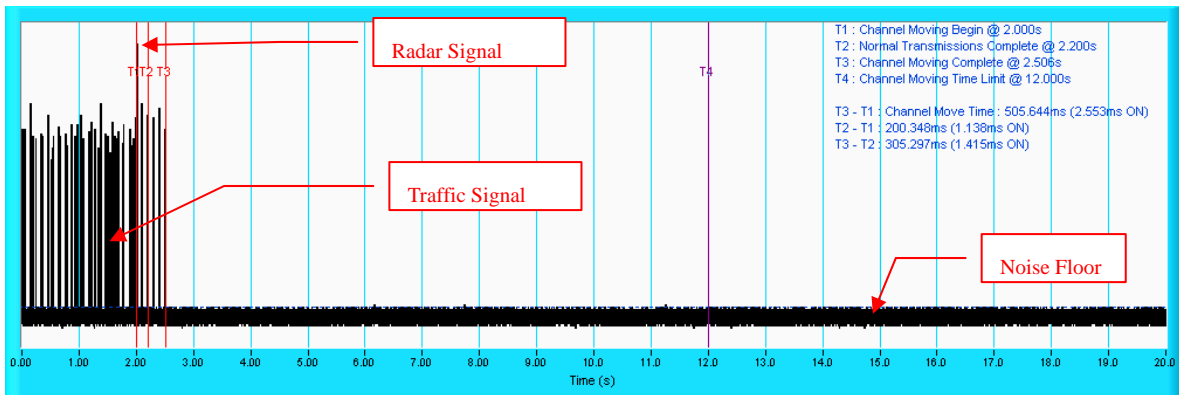
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



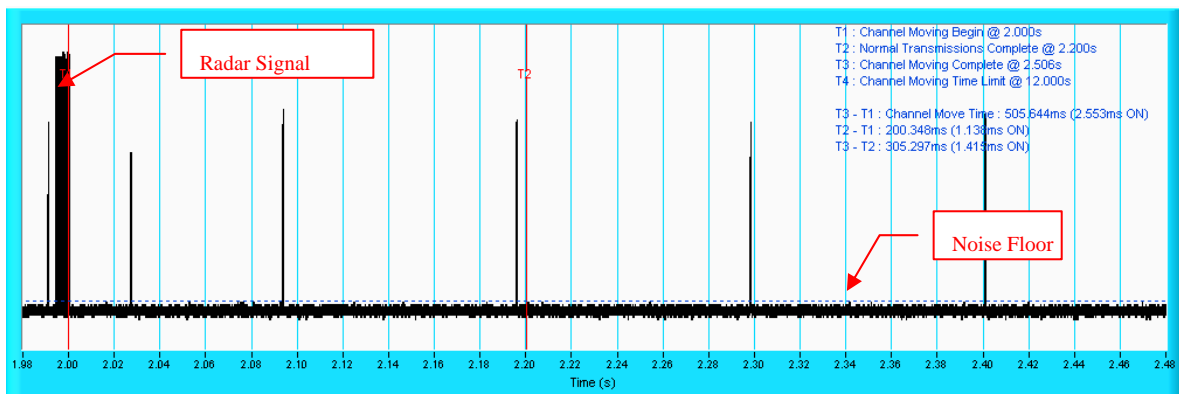
NOTE: An expanded plot for the device vacates the channel in the required 500ms

Radar signal 4

IEEE 802.11N 20MHz



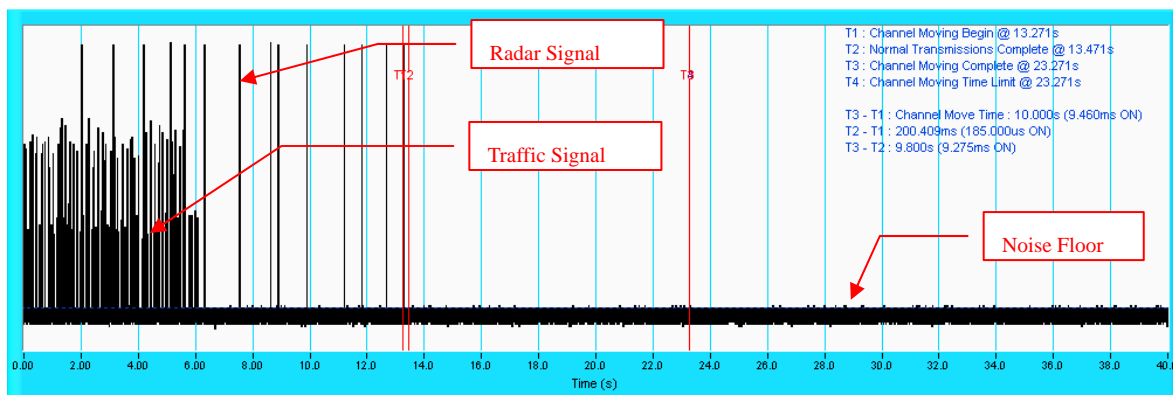
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



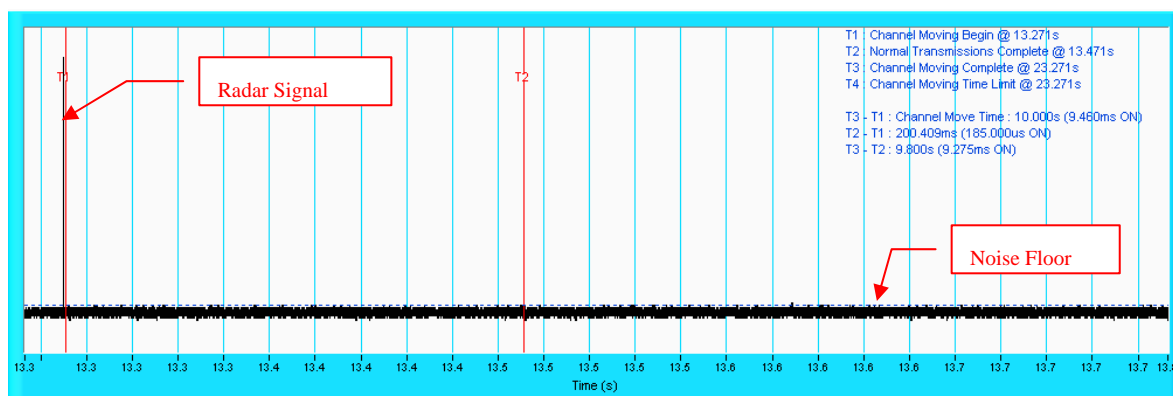
NOTE: An expanded plot for the device vacates the channel in the required 500ms

Radar signal 5

IEEE 802.11N 20MHz



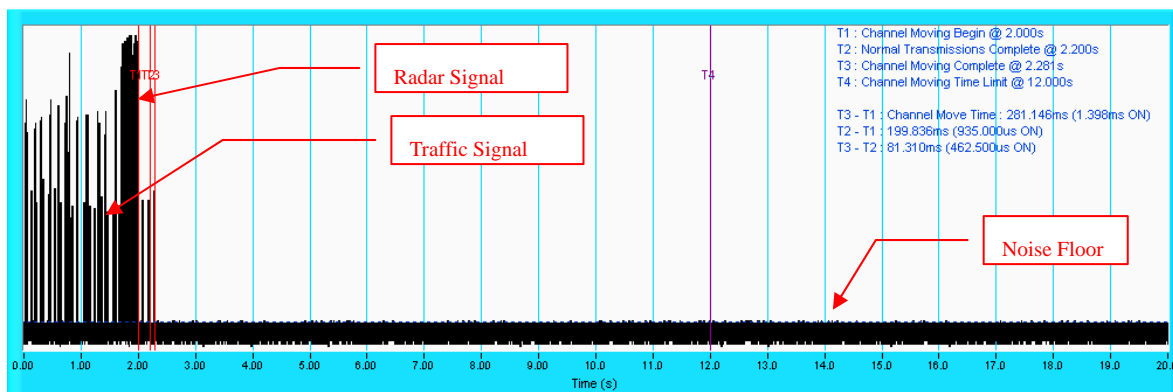
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



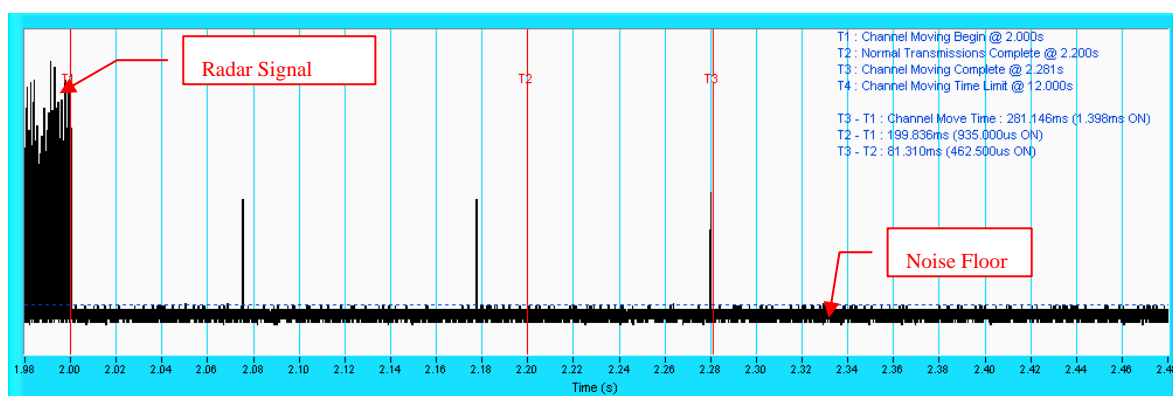
NOTE: An expanded plot for the device vacates the channel in the required 500ms

Radar signal 6

IEEE 802.11N 20MHz



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.



NOTE: An expanded plot for the device vacates the channel in the required 500ms

IEEE 802.11A

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	No
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	No
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	No
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	No
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 86.7 %

IEEE 802.11A

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	28	3.7u	205.0u	Yes
2	27	1.5u	223.0u	No
3	28	3.9u	166.0u	Yes
4	25	2.2u	176.0u	Yes
5	25	2.2u	220.0u	No
6	28	2.9u	198.0u	Yes
7	28	2.4u	216.0u	Yes
8	25	1.8u	162.0u	Yes
9	25	3.1u	155.0u	Yes
10	24	1.9u	210.0u	Yes
11	27	4.1u	167.0u	No
12	24	1.2u	230.0u	Yes
13	28	1.3u	172.0u	Yes
14	23	3.3u	153.0u	Yes
15	25	3.6u	193.0u	Yes
16	26	2.4u	212.0u	Yes
17	24	1.6u	193.0u	Yes
18	24	3.2u	166.0u	No
19	23	2.6u	185.0u	Yes
20	25	2.2u	205.0u	Yes
21	28	4.3u	184.0u	Yes
22	23	3.2u	209.0u	Yes
23	29	4.4u	203.0u	Yes
24	24	4.2u	157.0u	Yes
25	24	2.2u	186.0u	Yes
26	25	2.0u	220.0u	No
27	29	2.1u	211.0u	Yes
28	24	2.4u	155.0u	No
29	26	2.6u	164.0u	Yes
30	25	3.5u	153.0u	Yes
				Detection Rate: 80.0 %

IEEE 802.11A

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	8.8u	371.0u	Yes
2	18	8.5u	291.0u	Yes
3	18	6.5u	486.0u	No
4	17	8.6u	347.0u	Yes
5	17	6.3u	397.0u	Yes
6	17	6.4u	229.0u	Yes
7	16	6.5u	318.0u	Yes
8	18	7.7u	404.0u	Yes
9	18	7.3u	277.0u	Yes
10	17	7.7u	248.0u	Yes
11	18	7.1u	300.0u	Yes
12	16	8.9u	233.0u	Yes
13	16	9.1u	323.0u	Yes
14	17	6.7u	240.0u	No
15	16	7.3u	434.0u	Yes
16	18	8.9u	282.0u	Yes
17	17	10.0u	300.0u	Yes
18	17	9.0u	206.0u	Yes
19	16	8.3u	453.0u	Yes
20	17	9.9u	316.0u	Yes
21	17	8.6u	336.0u	Yes
22	16	9.5u	210.0u	Yes
23	18	9.4u	320.0u	Yes
24	16	9.6u	360.0u	No
25	18	8.4u	486.0u	Yes
26	17	7.8u	365.0u	Yes
27	17	8.8u	260.0u	No
28	17	8.6u	382.0u	Yes
29	16	9.2u	217.0u	Yes
30	18	9.7u	228.0u	Yes
				Detection Rate: 86.7 %

IEEE 802.11A

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	14	15.2u	305.0u	No
2	13	19.0u	253.0u	Yes
3	16	15.0u	344.0u	Yes
4	16	15.6u	227.0u	Yes
5	15	14.6u	434.0u	No
6	14	17.2u	317.0u	Yes
7	13	15.4u	316.0u	Yes
8	14	13.7u	436.0u	Yes
9	12	18.4u	473.0u	No
10	15	18.2u	392.0u	Yes
11	16	13.7u	341.0u	Yes
12	14	16.6u	486.0u	No
13	13	12.0u	348.0u	Yes
14	14	11.1u	311.0u	Yes
15	12	15.9u	213.0u	Yes
16	14	14.5u	298.0u	Yes
17	13	17.4u	486.0u	No
18	15	17.4u	453.0u	No
19	14	17.8u	359.0u	Yes
20	15	15.4u	358.0u	Yes
21	13	12.3u	403.0u	Yes
22	15	18.3u	265.0u	Yes
23	13	17.5u	369.0u	No
24	16	15.4u	333.0u	Yes
25	16	15.4u	290.0u	Yes
26	15	11.8u	247.0u	Yes
27	15	19.5u	426.0u	No
28	14	13.4u	378.0u	Yes
29	14	15.5u	491.0u	Yes
30	15	13.6u	429.0u	Yes
			Detection Rate: 73.3 %	

IEEE 802.11A

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	Yes
8	LP_Signal_08	Yes
9	LP_Signal_09	No
10	LP_Signal_10	Yes
11	LP_Signal_11	Yes
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	No
17	LP_Signal_17	Yes
18	LP_Signal_18	Yes
19	LP_Signal_19	Yes
20	LP_Signal_20	Yes
21	LP_Signal_21	Yes
22	LP_Signal_22	Yes
23	LP_Signal_23	Yes
24	LP_Signal_24	Yes
25	LP_Signal_25	No
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 90.0 %

The Long Pulse Radar pattern shown in Annex B.1

IEEE 802.11A

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	No
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	No
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	No
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: 90.0 %

The Frequency Hopping Radar pattern shown in Annex B.2

IEEE 802.11N 20MHz

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	No
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	No
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	No
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 90.0 %

IEEE 802.11N 20MHz

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	26	1.3u	230.0u	Yes
2	25	1.5u	214.0u	Yes
3	24	1.1u	161.0u	Yes
4	24	1.6u	150.0u	Yes
5	26	1.7u	167.0u	Yes
6	26	3.0u	183.0u	No
7	26	2.1u	181.0u	Yes
8	29	2.7u	220.0u	Yes
9	27	2.6u	182.0u	Yes
10	28	2.1u	207.0u	Yes
11	25	4.9u	221.0u	Yes
12	24	2.5u	171.0u	Yes
13	23	3.1u	162.0u	No
14	27	1.9u	200.0u	Yes
15	29	3.9u	190.0u	Yes
16	26	4.3u	197.0u	Yes
17	24	4.7u	165.0u	Yes
18	27	1.2u	220.0u	No
19	29	3.0u	178.0u	Yes
20	24	4.4u	199.0u	Yes
21	26	2.2u	155.0u	No
22	27	3.8u	210.0u	Yes
23	24	2.1u	195.0u	Yes
24	25	2.5u	179.0u	Yes
25	25	1.2u	189.0u	Yes
26	28	1.4u	206.0u	Yes
27	23	2.9u	209.0u	Yes
28	28	2.7u	221.0u	Yes
29	25	2.6u	206.0u	Yes
30	26	1.7u	188.0u	Yes
				Detection Rate: 86.7 %

IEEE 802.11N 20MHz

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	7.4u	482.0u	Yes
2	16	6.3u	213.0u	Yes
3	16	8.4u	460.0u	Yes
4	18	8.2u	277.0u	No
5	17	7.4u	296.0u	Yes
6	17	9.3u	246.0u	Yes
7	17	9.4u	201.0u	No
8	16	7.4u	460.0u	Yes
9	16	9.6u	488.0u	Yes
10	17	7.5u	278.0u	Yes
11	16	6.5u	454.0u	Yes
12	17	6.3u	420.0u	Yes
13	17	8.0u	385.0u	Yes
14	16	6.5u	445.0u	Yes
15	16	9.6u	379.0u	Yes
16	17	8.9u	343.0u	No
17	17	9.8u	234.0u	Yes
18	17	7.2u	359.0u	Yes
19	17	8.3u	325.0u	No
20	17	7.8u	332.0u	Yes
21	17	9.7u	310.0u	Yes
22	17	6.8u	265.0u	Yes
23	17	6.4u	203.0u	Yes
24	17	10.0u	310.0u	Yes
25	17	8.0u	229.0u	Yes
26	17	6.6u	288.0u	No
27	16	7.4u	469.0u	Yes
28	17	7.2u	268.0u	Yes
29	17	9.8u	484.0u	Yes
30	17	8.0u	458.0u	Yes
				Detection Rate: 83.3 %

IEEE 802.11N 20MHz

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	12	12.5u	308.0u	Yes
2	12	17.3u	491.0u	Yes
3	14	11.1u	336.0u	Yes
4	16	18.2u	430.0u	Yes
5	15	19.2u	279.0u	Yes
6	15	15.2u	496.0u	Yes
7	13	12.6u	407.0u	Yes
8	14	14.9u	434.0u	Yes
9	15	11.1u	392.0u	No
10	13	18.5u	399.0u	Yes
11	13	11.5u	416.0u	Yes
12	16	17.2u	464.0u	No
13	14	17.4u	381.0u	Yes
14	12	11.9u	398.0u	No
15	16	19.8u	283.0u	Yes
16	16	17.6u	359.0u	Yes
17	14	19.0u	351.0u	Yes
18	15	11.1u	345.0u	Yes
19	16	14.8u	397.0u	Yes
20	12	12.6u	487.0u	No
21	13	11.6u	204.0u	Yes
22	13	11.2u	411.0u	Yes
23	12	19.7u	350.0u	Yes
24	15	15.9u	452.0u	Yes
25	14	15.3u	465.0u	Yes
26	12	11.6u	393.0u	Yes
27	14	16.2u	427.0u	Yes
28	13	12.9u	374.0u	No
29	16	14.3u	484.0u	Yes
30	13	12.0u	421.0u	Yes
Detection Rate: 83.3 %				

IEEE 802.11N 20MHz

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	No
8	LP_Signal_08	Yes
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	Yes
12	LP_Signal_12	No
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	Yes
17	LP_Signal_17	Yes
18	LP_Signal_18	Yes
19	LP_Signal_19	Yes
20	LP_Signal_20	Yes
21	LP_Signal_21	Yes
22	LP_Signal_22	Yes
23	LP_Signal_23	Yes
24	LP_Signal_24	No
25	LP_Signal_25	Yes
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 90.0 %

The Long Pulse Radar pattern shown in Annex B.1

IEEE 802.11N 20MHz

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	No
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	No
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	No
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	Yes
		Detection Rate: 90.0 %

The Frequency Hopping Radar pattern shown in Annex B.2

IEEE 802.11N 40MHz

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	No
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	No
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	No
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 90.0 %

IEEE 802.11N 40MHz

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	23	3.9u	229.0u	Yes
2	25	2.3u	202.0u	Yes
3	25	3.4u	167.0u	Yes
4	28	4.2u	209.0u	Yes
5	27	2.3u	156.0u	No
6	26	1.6u	154.0u	Yes
7	24	4.2u	210.0u	Yes
8	25	4.3u	153.0u	Yes
9	28	1.4u	213.0u	Yes
10	26	2.5u	183.0u	Yes
11	27	1.2u	187.0u	Yes
12	28	1.5u	182.0u	Yes
13	26	4.1u	159.0u	Yes
14	25	4.3u	167.0u	No
15	26	1.4u	168.0u	Yes
16	25	4.8u	190.0u	No
17	26	2.6u	165.0u	No
18	29	1.0u	176.0u	Yes
19	25	2.2u	220.0u	Yes
20	25	3.1u	197.0u	Yes
21	28	3.9u	212.0u	Yes
22	26	5.0u	175.0u	Yes
23	29	4.2u	200.0u	Yes
24	26	1.5u	223.0u	No
25	23	1.7u	167.0u	Yes
26	28	2.3u	199.0u	Yes
27	26	1.9u	224.0u	Yes
28	26	3.2u	218.0u	Yes
29	24	3.3u	215.0u	No
30	27	4.5u	181.0u	Yes
				Detection Rate: 80.0 %

IEEE 802.11N 40MHz

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	8.3u	391.0u	No
2	16	8.3u	211.0u	Yes
3	16	6.7u	419.0u	Yes
4	17	9.6u	448.0u	Yes
5	18	9.5u	220.0u	Yes
6	16	7.6u	457.0u	Yes
7	16	7.5u	355.0u	Yes
8	16	6.3u	206.0u	Yes
9	17	9.9u	301.0u	No
10	17	9.4u	444.0u	Yes
11	17	9.2u	348.0u	Yes
12	16	8.5u	313.0u	Yes
13	18	10.0u	488.0u	Yes
14	17	9.5u	293.0u	Yes
15	17	8.3u	313.0u	Yes
16	18	7.6u	336.0u	Yes
17	17	8.7u	283.0u	Yes
18	16	9.6u	492.0u	No
19	17	7.6u	336.0u	Yes
20	17	7.6u	272.0u	Yes
21	18	9.1u	251.0u	Yes
22	17	7.1u	315.0u	Yes
23	17	6.8u	484.0u	No
24	17	7.9u	481.0u	Yes
25	18	8.6u	361.0u	Yes
26	17	6.9u	331.0u	Yes
27	17	7.9u	350.0u	Yes
28	17	9.1u	447.0u	Yes
29	17	9.0u	488.0u	Yes
30	16	9.4u	429.0u	No
				Detection Rate: 83.3 %

IEEE 802.11N 40MHz

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	14	13.5u	384.0u	Yes
2	14	16.1u	394.0u	Yes
3	15	19.0u	316.0u	Yes
4	13	11.8u	243.0u	Yes
5	16	18.0u	339.0u	Yes
6	15	12.2u	404.0u	Yes
7	14	15.1u	372.0u	No
8	16	13.4u	372.0u	Yes
9	13	12.5u	244.0u	Yes
10	13	12.1u	410.0u	No
11	13	18.7u	409.0u	Yes
12	12	17.7u	336.0u	Yes
13	15	16.2u	424.0u	Yes
14	16	14.1u	296.0u	No
15	14	12.6u	243.0u	Yes
16	14	11.3u	407.0u	Yes
17	14	17.3u	449.0u	Yes
18	14	19.5u	323.0u	Yes
19	16	19.9u	250.0u	Yes
20	16	14.3u	462.0u	No
21	13	15.7u	226.0u	No
22	15	12.3u	264.0u	Yes
23	14	14.3u	344.0u	Yes
24	15	15.9u	328.0u	Yes
25	12	14.5u	230.0u	Yes
26	14	17.3u	212.0u	Yes
27	13	17.6u	284.0u	No
28	15	17.9u	295.0u	Yes
29	12	11.3u	276.0u	Yes
30	15	16.7u	284.0u	Yes
				Detection Rate: 80.0 %

IEEE 802.11N 40MHz

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	No
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	Yes
8	LP_Signal_08	No
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	Yes
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	No
15	LP_Signal_15	Yes
16	LP_Signal_16	Yes
17	LP_Signal_17	Yes
18	LP_Signal_18	No
19	LP_Signal_19	No
20	LP_Signal_20	Yes
21	LP_Signal_21	Yes
22	LP_Signal_22	Yes
23	LP_Signal_23	No
24	LP_Signal_24	Yes
25	LP_Signal_25	Yes
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 80.0 %

The Long Pulse Radar pattern shown in Annex B.1

IEEE 802.11N 40MHz

Type 6 Radar Statistical Performances

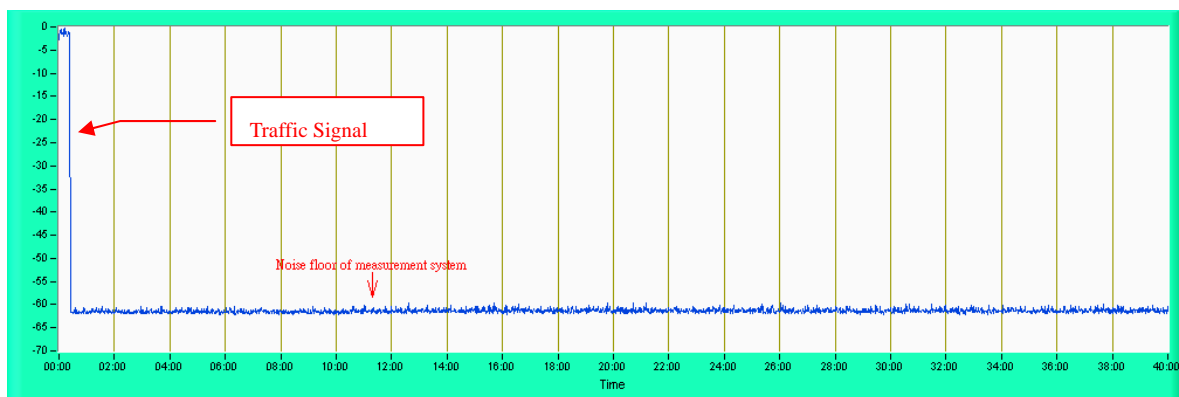
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	No
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	Yes
10	HOP_FREQ_SEQ_10	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	Yes
13	HOP_FREQ_SEQ_13	Yes
14	HOP_FREQ_SEQ_14	Yes
15	HOP_FREQ_SEQ_15	No
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	No
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	No
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: 86.7 %

The Frequency Hopping Radar pattern shown in Annex B.2

6.2.1.4 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.

IEEE 802.11N 20MHz.



6.2.1.5 UNIFORM SPREADING

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The UUT using the bands 5150 to 5350MHz and 5470 to 5725 MHz, 5725 to 5850 MHz channels so that the probability of selecting a given channel shall be the same for all channels.

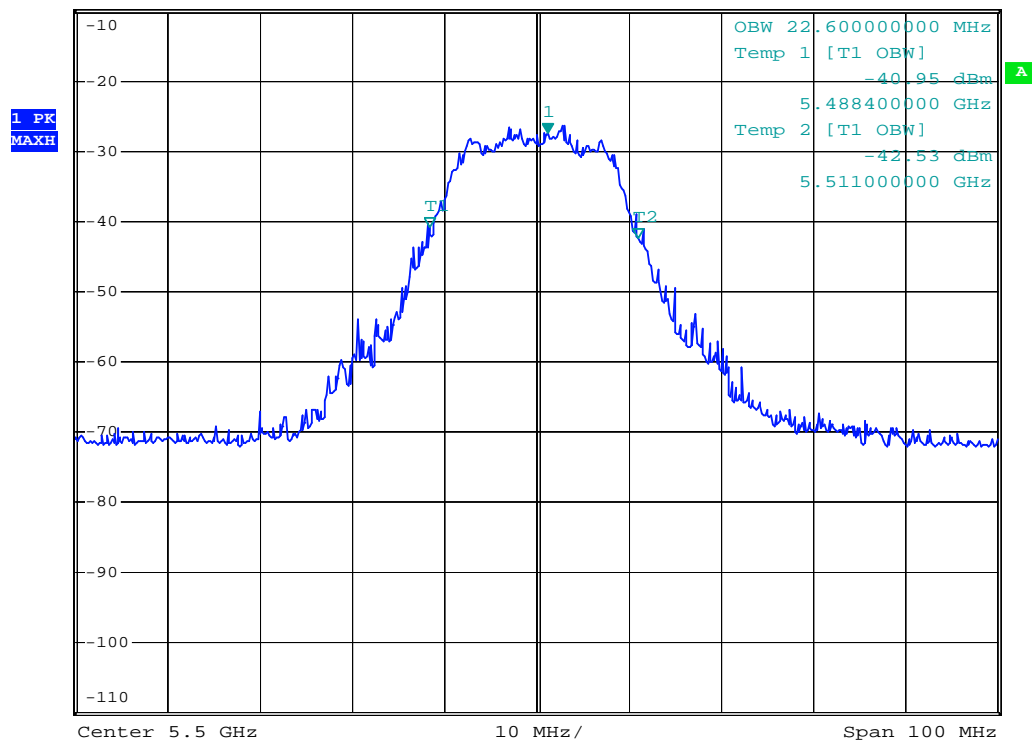
The UUT will select channel by random mode and remember this channel when detect radar signal, so that will select unused channel by random mode.

6.2.1.6 U-NII DETECTION BANDWIDTH

IEEE 802.11A



Ref -10 dBm *Att 0 dB RBW 3 MHz Marker 1 [T1]
 VBW 10 MHz -27.37 dBm
 SWT 20 ms 5.501200000 GHz



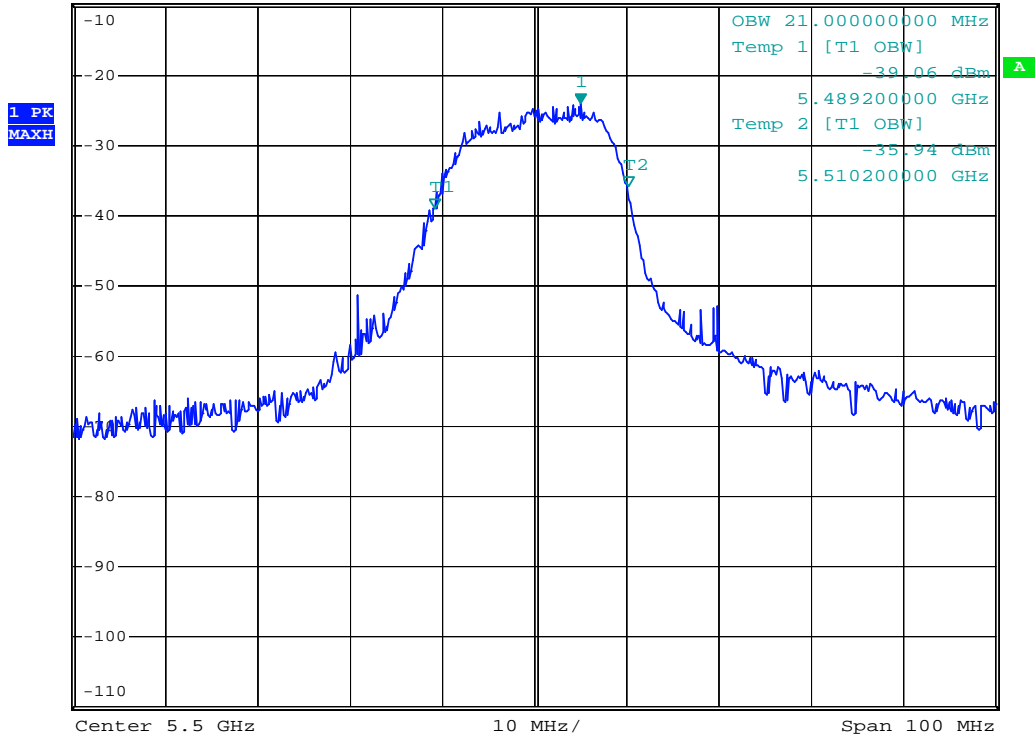
U-NII 99% Channel bandwidth



IEEE 802.11N 20MHz



RBW 3 MHz Marker 1 [T1]
VBW 10 MHz -24.13 dBm
Ref -10 dBm *Att 0 dB SWT 20 ms 5.505000000 GHz



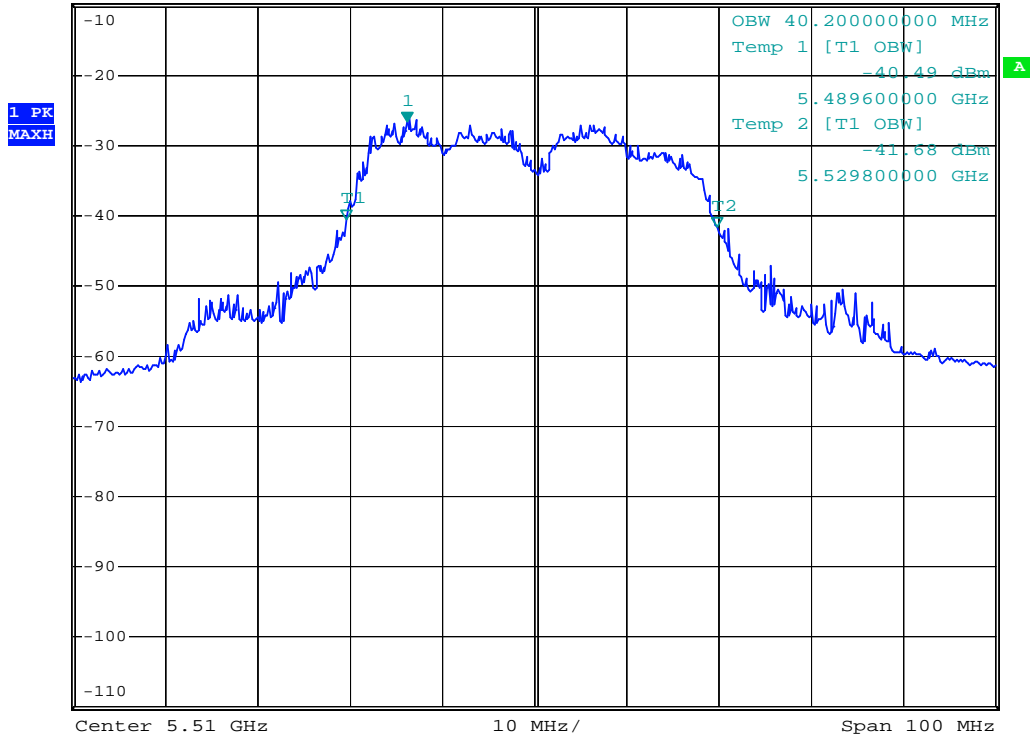
U-NII 99% Channel bandwidth



IEEE 802.11N 40MHz



Ref -10 dBm *Att 0 dB RBW 3 MHz Marker 1 [T1]
VBW 10 MHz -26.54 dBm
SWT 20 ms 5.496200000 GHz



U-NII 99% Channel bandwidth

Detection Bandwidth Test - IEEE 802.11A

EUT Frequency: 5500MHz
 EUT 99% Power bandwidth: 22.6MHz
 Detection bandwidth limit (80% of EUT 99% Power bandwidth): 18.08MHz
 Detection bandwidth (5510 - 5490) : 20MHz
 Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	90
5490 (FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5491	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5493	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5507	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5509	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5510(FH)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5511	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	90

Detection Bandwidth Test - IEEE 802.11N 20MHz

EUT Frequency: 5500MHz
 EUT 99% Power bandwidth: 21MHz
 Detection bandwidth limit (80% of EUT 99% Power bandwidth): 16.8MHz
 Detection bandwidth (5509 - 5491) : 18 MHz
 Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5491(FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5493	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5507	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5509(FH)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5510	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100

Detection Bandwidth Test - IEEE 802.11N 40MHz

EUT Frequency: 5510MHz
 EUT 99% Power bandwidth: 40.2MHz
 Detection bandwidth limit (80% of EUT 99% Power bandwidth): 32.16MHz
 Detection bandwidth (5527 - 5493) : 34MHz
 Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90
5491	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5493(FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5507	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5509	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5510	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5511	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5512	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5513	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5514	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5515	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5516	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5517	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5518	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5519	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5520	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5521	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5522	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5523	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5524	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5525	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100



5526	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5527(FH)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5528	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5529	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5530	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90

6.2.1.7 Transmit power control (TPC)

DFS Report 6.2.17 section

According to FCC 15.407(h)(1) the TPC mechanism is not required for system with an e.i.r.p. of less 500mW

7. TESTING LABORATORIES INFORMATION

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 accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	FCC, NVLAP
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	TAF, BSMI, NCC
Netherlands	Telefication
Singapore	GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site:

www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050

Web Site: www.adt.com.tw

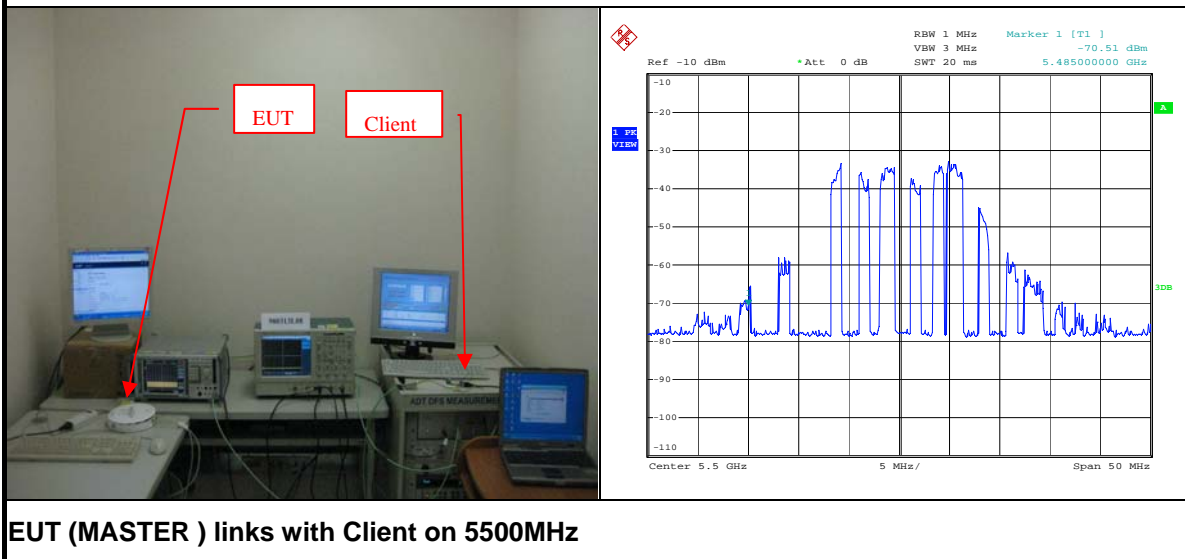
The address and road map of all our labs can be found in our web site also.

8. APPENDIX

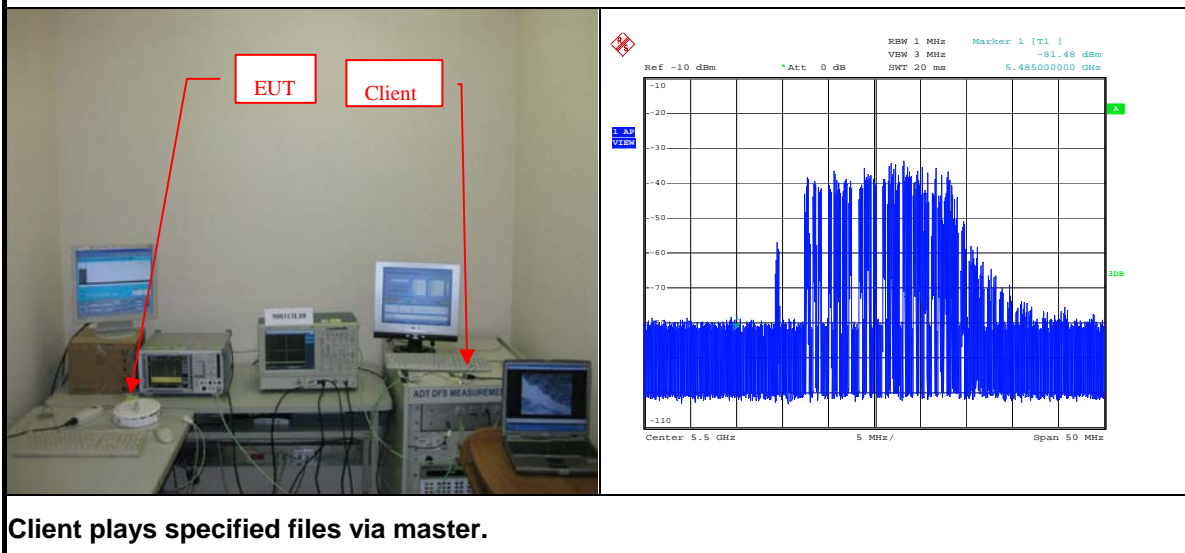
8.1 APPENDIX-A

MODIFICATIONS OR ADDING COMPONENTS DURING THE TEST

1) EUT(Master) links up with client at 5500MHz.



2) Client plays test movie from EUT (Master).



8.2 APPENDIX-B

RADAR TEST SIGNAL

B.1 The Long Pulse Radar Pattern

IEEE 802.11A

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_01						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	56.6u	1.841m	-	979.1m
2	2	13M	99.0u	1.376m	-	47.99m
3	2	19M	85.0u	1.218m	-	865.0m
4	2	7M	86.2u	955.8u	-	658.9m
5	2	12M	59.6u	1.467m	-	850.0m
6	2	20M	88.2u	1.340m	-	631.0m
7	1	16M	99.4u	-	-	1.114
8	2	19M	80.1u	952.9u	-	1.102
9	1	10M	85.0u	-	-	1.026
10	1	11M	76.9u	-	-	233.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	10M	50.8u	-	-	981.5m
2	3	15M	55.5u	1.319m	1.151m	404.6m
3	2	9M	98.7u	952.3u	-	796.4m
4	2	10M	99.4u	1.782m	-	694.1m
5	3	17M	67.3u	1.220m	1.658m	791.0m
6	2	12M	98.7u	908.3u	-	918.2m
7	2	6M	93.0u	1.392m	-	580.6m
8	2	19M	87.4u	1.291m	-	196.7m
9	3	16M	98.5u	1.661m	997.5u	628.1m
10	3	5M	94.5u	1.556m	1.886m	363.1m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_03
 Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	20M	93.2u	1.702m	1.802m	148.5m
2	2	10M	75.6u	1.903m	-	233.6m
3	1	10M	54.2u	-	-	102.9m
4	2	16M	70.8u	1.666m	-	409.6m
5	2	19M	74.3u	1.723m	-	526.6m
6	1	14M	55.2u	-	-	32.54m
7	3	8M	88.9u	968.1u	1.692m	2.309m
8	2	11M	51.1u	1.472m	-	193.9m
9	2	11M	81.7u	1.568m	-	27.02m
10	3	13M	66.9u	1.579m	1.110m	413.7m
11	2	19M	87.2u	1.807m	-	305.6m
12	2	17M	69.6u	1.617m	-	127.8m
13	2	8M	55.5u	1.448m	-	63.61m
14	1	6M	79.1u	-	-	388.0m
15	2	18M	95.7u	1.367m	-	380.7m
16	3	14M	55.9u	952.1u	1.281m	165.6m
17	3	11M	64.0u	1.897m	1.705m	486.8m
18	3	10M	52.1u	1.386m	1.798m	22.76m
19	3	15M	53.3u	1.745m	1.624m	523.2m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_04
 Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	89.0u	1.072m	-	326.7m
2	2	11M	68.2u	1.574m	-	348.3m
3	2	13M	92.8u	1.535m	-	210.2m
4	3	8M	69.5u	1.050m	1.397m	522.3m
5	1	10M	74.7u	-	-	518.3m
6	2	14M	65.9u	1.929m	-	307.4m
7	3	19M	50.0u	1.349m	1.098m	317.9m
8	1	14M	67.2u	-	-	14.57m
9	1	18M	58.4u	-	-	463.7m
10	1	13M	84.0u	-	-	200.0m
11	1	18M	54.2u	-	-	391.0m
12	3	12M	87.3u	1.844m	1.854m	540.2m

13	2	7M	64.3u	1.768m	-	468.6m
14	2	16M	80.9u	936.1u	-	541.4m
15	1	6M	73.9u	-	-	150.0m
16	2	9M	81.8u	1.884m	-	623.6m
17	2	6M	74.3u	1.162m	-	572.6m
18	2	14M	83.7u	1.782m	-	72.40m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_05

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	20M	93.3u	1.454m	1.072m	743.9m
2	2	14M	66.2u	1.241m	-	848.6m
3	1	10M	74.3u	-	-	410.3m
4	2	10M	59.7u	1.281m	-	109.5m
5	2	16M	79.0u	1.468m	-	818.2m
6	2	11M	58.7u	1.471m	-	446.8m
7	1	18M	88.7u	-	-	462.8m
8	3	7M	85.7u	1.124m	1.749m	55.65m
9	2	12M	66.5u	1.873m	-	178.6m
10	3	19M	91.2u	959.8u	1.305m	358.8m
11	3	9M	97.4u	1.514m	1.455m	459.2m
12	2	17M	93.7u	1.533m	-	507.9m
13	3	15M	66.9u	1.238m	1.758m	544.1m
14	2	19M	51.3u	1.076m	-	140.9m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	58.3u	1.880m	-	341.3m
2	3	12M	88.4u	1.558m	1.566m	516.1m
3	2	15M	94.7u	1.463m	-	588.1m
4	1	19M	67.2u	-	-	12.52m
5	2	10M	86.1u	1.461m	-	143.0m
6	1	12M	70.8u	-	-	574.5m
7	3	10M	67.8u	1.813m	1.594m	529.8m
8	3	6M	58.4u	1.820m	1.824m	68.03m
9	3	17M	97.4u	1.124m	1.490m	546.9m
10	1	8M	90.1u	-	-	756.1m
11	3	5M	92.6u	1.372m	1.599m	713.9m

12	3	7M	67.5u	1.741m	1.087m	284.3m
13	1	5M	63.3u	-	-	469.7m
14	2	18M	62.8u	977.2u	-	250.4m
15	2	11M	57.9u	1.835m	-	555.5m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	13M	80.1u	-	-	162.5m
2	2	9M	91.9u	1.648m	-	392.6m
3	2	14M	67.3u	1.873m	-	222.6m
4	2	18M	52.8u	1.841m	-	319.6m
5	3	17M	72.9u	1.171m	1.567m	765.4m
6	2	7M	67.3u	1.573m	-	854.7m
7	2	17M	94.0u	1.162m	-	734.9m
8	1	14M	73.8u	-	-	434.0m
9	2	6M	65.3u	1.283m	-	466.5m
10	2	5M	95.6u	1.013m	-	323.9m
11	2	17M	96.6u	1.010m	-	830.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	94.5u	1.691m	1.507m	191.2m
2	3	12M	72.6u	1.370m	940.4u	1.125
3	2	10M	93.2u	1.664m	-	597.5m
4	1	12M	76.5u	-	-	101.5m
5	1	9M	85.9u	-	-	134.3m
6	2	11M	82.4u	1.077m	-	721.4m
7	2	9M	97.7u	966.3u	-	760.5m
8	2	12M	80.7u	1.409m	-	247.9m
9	1	12M	91.3u	-	-	592.9m
10	2	20M	70.1u	971.9u	-	1.332m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_09
 Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	54.5u	1.768m	-	621.3m
2	1	15M	99.9u	-	-	345.4m
3	1	14M	98.9u	-	-	393.8m
4	3	13M	53.3u	1.905m	1.241m	154.4m
5	1	17M	59.3u	-	-	624.0m
6	2	16M	96.7u	1.547m	-	83.64m
7	2	16M	94.7u	1.453m	-	116.9m
8	1	15M	50.0u	-	-	610.7m
9	1	7M	56.3u	-	-	330.0m
10	2	18M	89.5u	1.540m	-	468.4m
11	3	16M	76.0u	1.289m	944.0u	6.170m
12	2	18M	88.9u	1.334m	-	697.7m
13	1	11M	93.4u	-	-	688.5m
14	2	15M	51.9u	1.879m	-	170.2m
15	2	15M	94.2u	1.288m	-	479.2m
16	3	9M	96.6u	1.273m	1.689m	361.4m
17	3	18M	65.3u	1.700m	1.020m	230.2m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_10
 Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	75.5u	-	-	466.4m
2	2	13M	75.5u	1.511m	-	345.2m
3	1	12M	95.5u	-	-	1.480
4	3	12M	67.9u	1.169m	1.912m	280.4m
5	2	12M	99.6u	985.4u	-	33.79m
6	1	7M	55.4u	-	-	569.5m
7	2	12M	64.8u	1.492m	-	424.8m
8	2	18M	86.8u	1.773m	-	147.0m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_11
 Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	10M	72.9u	-	-	566.8m
2	2	20M	70.7u	1.586m	-	352.4m
3	2	14M	79.2u	954.8u	-	743.3m
4	2	16M	51.7u	1.877m	-	162.2m
5	3	6M	86.8u	1.447m	1.281m	726.8m
6	2	15M	60.9u	1.442m	-	498.6m
7	1	20M	52.6u	-	-	673.3m
8	1	17M	68.0u	-	-	223.2m
9	1	10M	59.1u	-	-	184.2m
10	2	8M	52.9u	1.925m	-	416.4m
11	2	16M	82.8u	1.800m	-	263.3m
12	3	5M	98.8u	1.497m	998.2u	744.8m
13	1	19M	70.8u	-	-	223.4m
14	2	9M	62.0u	1.917m	-	218.4m
15	2	14M	76.2u	1.601m	-	337.6m
16	3	6M	81.0u	1.432m	1.056m	240.2m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_12
 Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	85.4u	1.731m	-	71.23m
2	3	15M	55.9u	1.875m	1.330m	520.3m
3	1	7M	99.4u	-	-	540.1m
4	2	10M	92.5u	1.512m	-	362.2m
5	2	19M	58.3u	1.249m	-	305.6m
6	1	7M	65.6u	-	-	588.2m
7	2	14M	53.0u	1.038m	-	519.3m
8	1	12M	77.0u	-	-	289.7m
9	3	13M	64.8u	1.788m	1.832m	322.3m
10	1	5M	79.7u	-	-	438.1m
11	2	7M	81.4u	1.045m	-	216.3m
12	3	11M	76.7u	1.363m	1.041m	390.7m
13	2	19M	80.8u	1.458m	-	34.35m
14	2	6M	91.5u	1.298m	-	447.0m
15	3	14M	50.4u	1.706m	1.141m	238.2m



16	3	16M	71.6u	1.572m	1.711m	296.3m
17	1	10M	94.9u	-	-	185.2m
18	1	8M	54.2u	-	-	539.5m
19	2	6M	85.9u	1.312m	-	8.642m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_13
 Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	59.7u	1.747m	-	118.0m
2	3	12M	67.7u	1.313m	1.258m	123.0m
3	2	7M	84.4u	969.6u	-	243.7m
4	3	5M	71.7u	1.734m	1.526m	61.22m
5	1	14M	70.7u	-	-	445.0m
6	2	15M	66.1u	969.9u	-	73.93m
7	2	19M	70.3u	1.407m	-	5.218m
8	2	11M	81.9u	1.167m	-	210.0m
9	3	14M	63.6u	1.119m	1.107m	565.1m
10	1	16M	81.2u	-	-	87.61m
11	1	8M	53.4u	-	-	65.51m
12	3	19M	53.2u	1.365m	1.352m	474.2m
13	1	9M	70.1u	-	-	249.8m
14	1	11M	86.6u	-	-	556.3m
15	3	17M	63.8u	1.171m	1.067m	325.7m
16	1	15M	65.3u	-	-	279.0m
17	2	12M	56.5u	1.585m	-	255.5m
18	1	6M	82.9u	-	-	452.2m
19	2	10M	72.8u	1.448m	-	56.07m
20	1	11M	54.6u	-	-	547.6m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_14
 Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	92.2u	1.185m	-	234.0m
2	2	18M	69.7u	1.618m	-	1.267
3	3	14M	70.4u	1.332m	1.195m	1.122
4	2	10M	74.3u	1.866m	-	540.4m
5	2	17M	53.9u	1.629m	-	709.4m
6	3	10M	98.2u	1.879m	1.859m	425.2m
7	2	18M	86.2u	1.844m	-	60.57m

8	1	16M	62.5u	-	-	741.8m
9	1	13M	96.4u	-	-	1.090

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_15						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	75.1u	1.301m	-	448.8m
2	1	16M	62.7u	-	-	596.1m
3	2	7M	58.2u	1.543m	-	161.6m
4	3	19M	94.4u	1.362m	1.176m	528.3m
5	2	6M	73.8u	1.846m	-	8.125m
6	1	7M	80.4u	-	-	648.9m
7	1	19M	66.4u	-	-	751.3m
8	2	7M	53.1u	1.127m	-	987.9m
9	2	14M	69.8u	1.518m	-	238.2m
10	2	9M	86.0u	1.218m	-	771.5m
11	2	6M	95.4u	1.891m	-	176.3m
12	1	10M	90.0u	-	-	325.5m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_16						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	52.2u	999.8u	-	545.8m
2	1	13M	82.2u	-	-	500.3m
3	1	5M	84.3u	-	-	150.5m
4	1	17M	66.4u	-	-	348.0m
5	3	6M	99.1u	1.182m	1.328m	265.5m
6	3	15M	94.9u	960.1u	1.775m	63.50m
7	1	16M	57.9u	-	-	240.2m
8	3	19M	96.4u	1.796m	1.627m	349.0m
9	3	15M	54.0u	1.542m	1.803m	5.424m
10	1	12M	67.9u	-	-	293.3m
11	3	16M	50.2u	1.262m	1.709m	52.33m
12	2	18M	73.2u	1.300m	-	44.28m
13	3	10M	59.8u	963.2u	1.807m	534.5m
14	3	7M	60.6u	1.613m	1.187m	430.1m
15	3	12M	51.8u	1.578m	1.459m	507.4m
16	2	20M	86.4u	1.337m	-	32.31m
17	2	6M	72.1u	1.308m	-	346.7m



18	3	6M	62.2u	1.663m	1.559m	72.72m
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Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_17
 Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	64.4u	-	-	160.9m
2	2	14M	94.2u	1.815m	-	495.4m
3	2	16M	51.1u	1.347m	-	149.4m
4	2	13M	81.7u	1.824m	-	525.4m
5	2	10M	54.5u	1.265m	-	316.3m
6	2	11M	68.1u	1.559m	-	576.4m
7	2	18M	51.1u	1.345m	-	333.8m
8	1	18M	97.8u	-	-	187.5m
9	3	8M	92.8u	1.052m	1.448m	483.7m
10	1	15M	73.0u	-	-	351.4m
11	2	17M	71.4u	1.358m	-	140.6m
12	2	13M	53.8u	1.305m	-	291.2m
13	2	17M	77.2u	1.734m	-	390.6m
14	3	8M	97.4u	1.457m	1.336m	324.7m
15	3	8M	81.2u	1.288m	1.137m	335.2m
16	2	17M	66.5u	1.615m	-	181.4m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_18
 Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	56.7u	1.428m	-	49.67m
2	1	6M	86.1u	-	-	183.4m
3	2	19M	81.6u	1.074m	-	219.7m
4	3	20M	70.3u	1.912m	1.470m	453.4m
5	2	6M	92.3u	1.183m	-	391.1m
6	2	17M	78.7u	1.291m	-	446.2m
7	2	11M	71.4u	1.028m	-	215.3m
8	3	13M	88.2u	1.419m	1.555m	189.8m
9	1	7M	59.4u	-	-	487.7m
10	2	12M	88.3u	1.107m	-	497.5m
11	1	17M	62.9u	-	-	132.8m
12	3	19M	51.3u	1.213m	1.389m	156.3m
13	2	8M	94.2u	1.159m	-	259.9m
14	1	17M	84.5u	-	-	25.09m



15	2	19M	95.5u	1.834m	-	250.0m
16	1	5M	64.2u	-	-	470.7m
17	2	14M	69.2u	957.8u	-	551.3m
18	2	17M	84.9u	1.362m	-	9.869m
19	3	8M	87.5u	1.489m	1.311m	383.8m
20	2	18M	84.6u	1.392m	-	589.0m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	71.8u	-	-	701.8m
2	2	10M	97.8u	1.783m	-	780.2m
3	3	15M	94.0u	936.0u	1.377m	714.8m
4	1	15M	68.0u	-	-	186.8m
5	2	20M	77.1u	997.9u	-	432.1m
6	2	18M	56.5u	1.728m	-	408.1m
7	3	7M	95.8u	1.238m	1.429m	783.3m
8	2	11M	86.5u	1.699m	-	619.5m
9	3	13M	58.1u	1.882m	1.633m	479.5m
10	1	14M	87.7u	-	-	783.3m
11	3	16M	94.9u	1.292m	1.208m	315.5m
12	3	16M	69.8u	1.252m	1.774m	477.9m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_20

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	65.5u	1.821m	-	870.3m
2	1	15M	73.1u	-	-	283.0m
3	2	8M	71.9u	1.400m	-	344.8m
4	2	18M	87.8u	1.427m	-	657.4m
5	2	19M	77.8u	1.796m	-	86.63m
6	1	11M	76.5u	-	-	260.7m
7	2	19M	73.8u	1.176m	-	173.5m
8	2	13M	70.9u	1.850m	-	64.17m
9	1	10M	95.8u	-	-	230.4m
10	2	10M	56.8u	1.754m	-	669.5m
11	2	11M	85.7u	1.879m	-	78.64m
12	1	11M	66.9u	-	-	215.0m
13	3	7M	89.5u	999.5u	923.5u	866.5m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_21
 Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	62.6u	1.278m	1.662m	104.1m
2	2	15M	73.0u	1.524m	-	538.0m
3	2	7M	78.4u	1.108m	-	244.0m
4	1	7M	53.2u	-	-	429.9m
5	3	12M	97.8u	1.757m	1.336m	376.7m
6	2	19M	83.2u	1.577m	-	631.7m
7	2	15M	51.5u	1.419m	-	139.0m
8	2	18M	88.1u	1.208m	-	564.5m
9	2	11M	51.0u	1.273m	-	119.5m
10	3	19M	71.7u	1.245m	1.549m	478.9m
11	2	13M	95.7u	1.855m	-	619.0m
12	2	9M	69.1u	1.001m	-	199.2m
13	2	18M	77.7u	1.067m	-	123.9m
14	2	12M	93.6u	1.770m	-	273.6m
15	3	15M	86.2u	1.453m	1.758m	656.8m
16	3	6M	70.8u	1.750m	1.481m	215.0m
17	1	8M	80.0u	-	-	629.9m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_22
 Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	95.2u	1.399m	-	572.3m
2	2	6M	51.6u	1.371m	-	183.6m
3	3	10M	63.1u	1.129m	1.924m	31.11m
4	2	16M	70.7u	1.754m	-	159.8m
5	2	18M	88.6u	1.904m	-	346.6m
6	1	11M	87.9u	-	-	627.7m
7	1	14M	67.4u	-	-	366.7m
8	3	8M	61.8u	1.397m	1.781m	151.2m
9	2	17M	92.1u	1.466m	-	159.2m
10	2	17M	93.6u	918.4u	-	490.1m
11	3	19M	92.5u	1.723m	1.794m	53.61m
12	2	13M	55.9u	1.750m	-	335.7m
13	2	7M	88.6u	1.174m	-	234.1m
14	2	14M	67.1u	1.631m	-	395.4m

15	2	8M	98.3u	1.249m	-	619.3m
16	2	19M	50.4u	1.727m	-	27.30m
17	1	14M	55.0u	-	-	79.90m
18	2	13M	87.5u	1.508m	-	329.3m
19	2	11M	84.4u	1.416m	-	295.3m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	61.4u	1.766m	1.053m	621.8m
2	3	14M	89.9u	1.698m	1.453m	555.3m
3	2	6M	99.0u	1.784m	-	234.7m
4	2	13M	60.8u	1.544m	-	179.1m
5	3	19M	82.5u	1.876m	1.623m	393.1m
6	2	11M	72.2u	1.890m	-	1.242
7	1	6M	72.4u	-	-	88.77m
8	3	9M	92.5u	1.733m	1.444m	1.144
9	3	13M	84.8u	1.499m	1.662m	749.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	62.2u	1.427m	1.007m	35.30m
2	2	16M	96.5u	1.037m	-	617.5m
3	1	9M	93.3u	-	-	237.8m
4	1	15M	63.8u	-	-	725.7m
5	3	7M	89.7u	1.111m	954.3u	331.0m
6	2	19M	96.3u	1.234m	-	39.53m
7	2	13M	66.1u	1.637m	-	678.8m
8	3	14M	87.3u	1.019m	1.278m	116.1m
9	1	14M	97.0u	-	-	697.8m
10	1	8M	81.3u	-	-	207.3m
11	3	8M	95.0u	1.729m	1.726m	676.8m
12	1	13M	64.3u	-	-	124.3m
13	1	11M	89.5u	-	-	270.2m
14	2	13M	87.7u	1.015m	-	69.99m
15	3	15M	67.0u	1.709m	1.783m	634.5m
16	3	15M	63.1u	1.133m	1.442m	473.8m



Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_25
Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	80.6u	1.354m	-	163.8m
2	1	17M	58.0u	-	-	585.2m
3	1	17M	94.7u	-	-	465.9m
4	1	18M	98.7u	-	-	276.0m
5	2	12M	81.3u	1.506m	-	153.7m
6	3	16M	59.8u	1.713m	1.528m	565.7m
7	3	8M	88.1u	1.328m	997.9u	120.6m
8	1	14M	99.5u	-	-	101.7m
9	2	5M	74.8u	1.259m	-	132.8m
10	2	16M	81.0u	942.0u	-	45.73m
11	1	17M	70.6u	-	-	31.70m
12	1	12M	64.5u	-	-	297.3m
13	2	10M	63.2u	1.303m	-	184.1m
14	3	6M	82.3u	1.615m	1.387m	393.3m
15	3	6M	67.2u	1.354m	1.480m	495.9m
16	1	15M	78.9u	-	-	177.8m
17	2	8M	91.3u	1.679m	-	564.4m
18	1	14M	82.4u	-	-	148.8m
19	2	13M	68.8u	1.296m	-	41.61m
20	2	17M	54.9u	1.383m	-	494.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	88.4u	1.878m	-	622.5m
2	2	7M	98.1u	1.625m	-	24.17m
3	3	6M	52.9u	1.013m	1.846m	23.58m
4	3	11M	98.5u	1.739m	1.854m	114.1m
5	1	8M	53.7u	-	-	612.2m
6	2	17M	69.8u	1.646m	-	502.0m
7	2	13M	87.5u	1.692m	-	548.6m
8	2	14M	88.7u	1.105m	-	247.4m
9	2	8M	59.9u	1.691m	-	19.86m
10	3	8M	53.3u	1.605m	1.458m	665.1m
11	3	18M	97.4u	1.301m	1.557m	279.9m
12	2	13M	64.0u	1.763m	-	15.03m
13	2	7M	75.5u	1.280m	-	228.1m

14	2	11M	92.9u	1.905m	-	681.5m
15	2	6M	93.0u	1.115m	-	41.89m
16	2	13M	77.4u	1.724m	-	516.5m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_27
 Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	50.9u	1.763m	-	184.0m
2	2	18M	64.4u	1.039m	-	481.5m
3	2	6M	57.9u	1.086m	-	208.7m
4	2	18M	90.2u	1.041m	-	215.2m
5	3	11M	80.4u	1.616m	1.149m	304.9m
6	2	7M	67.0u	1.063m	-	296.7m
7	1	17M	58.2u	-	-	512.5m
8	1	9M	82.9u	-	-	2.549m
9	2	10M	80.3u	1.260m	-	129.4m
10	2	16M	89.3u	1.608m	-	204.9m
11	2	13M	62.1u	1.175m	-	137.8m
12	2	19M	80.2u	1.765m	-	462.0m
13	2	9M	73.1u	993.9u	-	339.2m
14	1	7M	64.9u	-	-	267.4m
15	2	6M	72.2u	1.453m	-	295.6m
16	2	15M	72.7u	1.540m	-	74.24m
17	3	13M	79.8u	1.609m	1.905m	35.49m
18	1	9M	60.3u	-	-	357.9m
19	2	11M	73.8u	1.184m	-	335.7m
20	2	11M	54.6u	1.921m	-	31.44m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_28
 Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	75.6u	1.099m	-	399.3m
2	1	11M	63.8u	-	-	1.108
3	2	11M	63.6u	1.902m	-	223.1m
4	3	20M	72.2u	1.511m	1.772m	228.1m
5	2	11M	60.8u	1.095m	-	222.2m
6	3	16M	77.3u	922.7u	1.314m	551.4m
7	3	8M	66.8u	1.854m	1.285m	213.4m
8	1	11M	62.9u	-	-	939.4m

9	3	9M	56.7u	1.581m	1.441m	345.5m
10	2	18M	58.8u	1.468m	-	273.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	78.4u	-	-	388.2m
2	2	6M	69.4u	1.409m	-	979.4m
3	2	14M	96.6u	1.301m	-	454.5m
4	2	14M	84.8u	1.018m	-	655.0m
5	2	20M	66.0u	1.666m	-	958.5m
6	2	14M	62.3u	1.645m	-	641.5m
7	2	8M	81.5u	1.606m	-	793.2m
8	2	5M	50.2u	1.514m	-	906.7m
9	3	13M	74.6u	1.201m	1.138m	207.2m
10	2	19M	98.6u	1.039m	-	542.4m
11	2	12M	69.9u	1.188m	-	178.9m
12	1	16M	73.2u	-	-	967.5m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_30

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	6M	87.2u	942.8u	1.626m	151.3m
2	2	9M	57.1u	1.272m	-	93.81m
3	2	18M	82.4u	1.768m	-	456.3m
4	1	6M	53.3u	-	-	363.6m
5	2	17M	65.1u	1.676m	-	77.64m
6	3	14M	50.7u	1.936m	1.282m	566.8m
7	2	16M	75.8u	1.022m	-	404.4m
8	1	19M	86.8u	-	-	452.1m
9	1	7M	66.0u	-	-	547.8m
10	3	12M	83.3u	1.606m	1.644m	443.7m
11	2	15M	88.5u	1.681m	-	205.1m
12	3	20M	92.6u	1.750m	1.316m	592.3m
13	1	5M	69.3u	-	-	84.05m
14	3	10M	75.6u	1.213m	1.689m	441.2m
15	1	9M	59.0u	-	-	45.13m
16	2	16M	81.8u	1.245m	-	67.73m
17	2	10M	99.2u	1.607m	-	265.8m



18	3	15M	98.0u	1.605m	1.219m	560.3m
19	2	9M	56.8u	1.174m	-	518.7m
20	1	18M	68.6u	-	-	371.5m

IEEE 802.11N 20MHz.

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_01						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	78.8u	-	-	52.65m
2	3	8M	91.0u	1.314m	1.339m	209.5m
3	3	20M	69.4u	1.413m	933.6u	482.9m
4	1	9M	79.4u	-	-	193.4m
5	2	19M	87.2u	1.270m	-	423.1m
6	2	20M	77.5u	1.319m	-	379.8m
7	2	10M	80.3u	1.496m	-	127.7m
8	3	7M	79.4u	947.6u	1.157m	497.3m
9	2	14M	84.4u	1.282m	-	26.13m
10	2	7M	84.3u	1.526m	-	725.6m
11	2	19M	54.5u	1.030m	-	199.8m
12	3	20M	85.8u	982.2u	1.527m	722.0m
13	3	9M	91.0u	1.410m	1.430m	552.5m
14	3	7M	55.6u	1.234m	1.757m	251.5m
15	2	14M	73.7u	1.153m	-	166.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	71.7u	995.3u	1.265m	9.259m
2	1	19M	95.0u	-	-	226.8m
3	1	5M	62.6u	-	-	477.0m
4	3	16M	70.0u	1.335m	1.803m	204.4m
5	1	16M	61.3u	-	-	21.64m
6	2	6M	85.7u	1.623m	-	498.7m
7	2	14M	60.8u	1.150m	-	653.1m
8	2	8M	96.1u	1.421m	-	600.4m
9	3	16M	79.5u	1.490m	1.192m	309.7m
10	2	10M	91.2u	1.025m	-	395.0m
11	3	13M	86.8u	1.015m	1.496m	716.0m
12	3	7M	60.0u	953.0u	1.854m	588.2m
13	2	7M	60.2u	1.545m	-	810.9m
14	3	9M	64.4u	1.050m	1.400m	692.6m



Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_03
 Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	69.0u	1.560m	-	618.1m
2	2	8M	76.8u	1.553m	-	29.21m
3	2	17M	82.7u	1.729m	-	487.8m
4	1	14M	61.3u	-	-	599.4m
5	3	11M	82.5u	1.687m	1.633m	243.1m
6	2	8M	90.9u	1.781m	-	614.3m
7	3	18M	89.7u	1.721m	1.568m	652.4m
8	2	19M	70.3u	1.857m	-	351.5m
9	1	13M	76.5u	-	-	533.2m
10	2	8M	89.5u	1.130m	-	402.5m
11	2	9M	57.5u	1.018m	-	189.6m
12	3	12M	59.9u	1.755m	1.360m	556.3m
13	3	16M	71.9u	1.616m	1.315m	569.5m
14	2	14M	99.7u	1.529m	-	588.2m
15	1	5M	68.3u	-	-	183.3m
16	1	12M	54.6u	-	-	273.7m
17	1	17M	85.1u	-	-	436.2m
18	3	13M	94.3u	912.7u	1.789m	190.4m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_04
 Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	89.8u	1.084m	-	518.2m
2	3	17M	71.8u	1.703m	1.256m	719.7m
3	2	18M	98.1u	1.703m	-	69.46m
4	3	18M	80.8u	1.551m	1.874m	113.6m
5	1	5M	58.7u	-	-	883.4m
6	3	6M	81.0u	929.0u	1.459m	736.4m
7	2	6M	92.3u	1.565m	-	221.8m
8	1	13M	61.3u	-	-	293.2m
9	2	16M	67.3u	1.182m	-	548.9m
10	2	7M	73.3u	1.921m	-	643.5m
11	2	13M	70.7u	1.792m	-	553.2m
12	2	6M	82.5u	1.285m	-	328.5m
13	2	8M	77.7u	1.146m	-	549.9m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_05						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	67.0u	1.033m	-	861.2m
2	1	14M	56.8u	-	-	360.1m
3	1	19M	94.8u	-	-	832.0m
4	2	10M	70.7u	986.3u	-	609.1m
5	3	11M	55.1u	967.9u	1.527m	635.6m
6	3	12M	91.1u	1.895m	1.796m	237.3m
7	2	9M	52.6u	1.025m	-	590.5m
8	2	8M	84.3u	1.345m	-	438.7m
9	1	13M	93.1u	-	-	54.70m
10	2	6M	73.1u	1.667m	-	339.4m
11	2	9M	98.1u	1.092m	-	397.0m
12	2	9M	66.4u	1.187m	-	507.5m
13	1	9M	61.6u	-	-	206.7m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_06						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	73.7u	1.752m	-	648.9m
2	2	14M	99.0u	1.799m	-	343.3m
3	2	19M	90.9u	1.764m	-	462.6m
4	1	8M	95.9u	-	-	79.06m
5	2	14M	83.0u	1.686m	-	337.0u
6	2	18M	94.9u	914.1u	-	339.1m
7	2	16M	51.1u	1.294m	-	71.37m
8	3	14M	74.6u	1.875m	1.788m	690.9m
9	1	8M	88.3u	-	-	263.0m
10	2	16M	74.9u	1.057m	-	702.5m
11	3	7M	84.8u	1.725m	1.890m	344.6m
12	1	5M	92.5u	-	-	273.1m
13	2	19M	79.1u	1.307m	-	771.4m
14	1	16M	55.0u	-	-	744.9m
15	3	20M	69.1u	1.526m	1.080m	314.9m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_07
 Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	56.8u	1.545m	-	1.194
2	2	13M	76.2u	1.739m	-	147.6m
3	2	6M	73.6u	1.923m	-	1.107
4	3	16M	97.2u	1.202m	1.488m	247.5m
5	3	14M	65.8u	1.169m	1.558m	1.092
6	2	18M	63.8u	1.044m	-	916.1m
7	2	10M	83.1u	1.358m	-	988.9m
8	2	19M	50.3u	1.730m	-	349.5m
9	2	7M	89.5u	1.252m	-	576.4m
10	3	9M	68.3u	1.789m	1.282m	641.8m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_08
 Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	97.1u	1.460m	1.793m	644.5m
2	2	10M	82.3u	1.258m	-	29.62m
3	3	19M	82.1u	1.646m	1.447m	25.57m
4	2	10M	50.7u	1.483m	-	375.5m
5	1	12M	85.1u	-	-	410.8m
6	2	16M	78.5u	1.081m	-	517.9m
7	2	9M	69.0u	1.419m	-	510.2m
8	1	17M	63.4u	-	-	395.6m
9	3	6M	76.7u	1.777m	1.071m	280.3m
10	2	6M	76.7u	1.711m	-	384.6m
11	2	8M	56.5u	1.125m	-	714.2m
12	2	8M	82.2u	1.486m	-	156.6m
13	2	15M	97.6u	1.153m	-	205.0m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_09
 Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	74.6u	1.715m	-	527.7m



2	2	13M	68.1u	1.875m	-	510.5m
3	3	10M	86.4u	1.614m	1.559m	39.62m
4	2	11M	75.4u	1.333m	-	394.8m
5	3	19M	85.8u	1.492m	1.685m	324.5m
6	1	18M	69.2u	-	-	164.1m
7	2	18M	69.7u	1.440m	-	320.4m
8	2	20M	81.7u	1.202m	-	236.1m
9	2	8M	52.8u	1.184m	-	100.5m
10	2	19M	75.7u	1.592m	-	617.3m
11	2	12M	79.7u	1.590m	-	182.0m
12	1	16M	85.5u	-	-	663.4m
13	3	17M	76.3u	1.314m	923.7u	638.2m
14	1	7M	68.2u	-	-	386.7m
15	2	10M	82.5u	987.5u	-	530.8m
16	3	14M	56.3u	1.709m	1.379m	109.1m
17	3	10M	57.6u	1.655m	1.891m	630.9m
18	3	9M	63.3u	1.676m	1.713m	418.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_10						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	99.8u	1.020m	1.164m	517.1m
2	2	14M	97.6u	958.4u	-	235.4m
3	1	16M	97.9u	-	-	420.9m
4	2	18M	64.8u	1.885m	-	102.2m
5	1	8M	63.5u	-	-	345.4m
6	3	16M	71.7u	1.158m	1.709m	146.6m
7	1	12M	75.7u	-	-	596.0m
8	2	9M	69.2u	1.864m	-	11.15m
9	2	9M	73.5u	1.850m	-	91.28m
10	2	12M	82.3u	1.827m	-	287.7m
11	2	10M	69.0u	1.826m	-	465.9m
12	2	17M	91.4u	1.282m	-	490.8m
13	2	12M	83.8u	1.061m	-	121.8m
14	3	16M	81.1u	1.700m	1.209m	498.3m
15	2	11M	89.9u	1.096m	-	94.62m
16	2	7M	57.6u	1.328m	-	659.6m
17	3	18M	52.0u	1.343m	1.461m	39.87m
18	3	17M	84.7u	1.199m	1.193m	260.4m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_11						
Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	52.0u	1.187m	-	658.9m
2	2	14M	85.2u	1.573m	-	75.84m
3	1	7M	79.6u	-	-	845.4m
4	1	10M	66.2u	-	-	854.0m
5	2	15M	60.9u	1.491m	-	298.7m
6	2	11M	51.1u	1.591m	-	726.5m
7	2	17M	80.2u	1.796m	-	106.8m
8	3	6M	83.1u	949.9u	1.692m	207.3m
9	2	7M	66.2u	1.655m	-	656.2m
10	2	7M	73.2u	1.853m	-	661.6m
11	1	13M	90.2u	-	-	508.1m
12	1	8M	96.0u	-	-	438.7m
13	1	17M	64.5u	-	-	695.3m
14	1	14M	71.1u	-	-	807.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_12						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	91.5u	972.5u	-	323.6m
2	2	9M	99.9u	1.621m	-	716.1m
3	2	9M	57.8u	1.010m	-	209.7m
4	2	9M	70.1u	1.062m	-	537.7m
5	3	10M	98.3u	1.851m	1.485m	247.9m
6	2	17M	79.0u	1.708m	-	251.6m
7	2	16M	51.1u	1.760m	-	81.51m
8	2	12M	85.3u	1.546m	-	632.8m
9	1	18M	51.2u	-	-	474.5m
10	1	5M	63.3u	-	-	104.2m
11	2	12M	86.2u	1.291m	-	496.2m
12	2	13M	74.5u	1.777m	-	600.5m
13	2	13M	58.1u	1.211m	-	177.5m
14	2	12M	90.6u	1.565m	-	699.2m
15	2	5M	82.3u	1.561m	-	400.8m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_13
 Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	64.7u	953.3u	1.257m	9.007m
2	2	18M	51.1u	1.834m	-	169.4m
3	3	9M	74.6u	1.788m	1.108m	554.7m
4	2	14M	63.5u	1.060m	-	571.1m
5	1	15M	99.6u	-	-	466.6m
6	1	19M	73.2u	-	-	58.91m
7	2	19M	74.4u	965.6u	-	505.1m
8	1	10M	51.1u	-	-	521.8m
9	2	11M	56.3u	988.7u	-	313.0m
10	2	9M	53.4u	1.244m	-	354.5m
11	2	13M	51.7u	1.681m	-	196.2m
12	2	7M	86.6u	1.060m	-	150.6m
13	2	6M	91.1u	1.259m	-	464.7m
14	2	6M	71.2u	1.197m	-	314.2m
15	3	20M	77.7u	1.486m	1.201m	282.4m
16	1	18M	60.2u	-	-	202.8m
17	2	11M	55.2u	1.537m	-	136.8m
18	2	6M	55.7u	1.812m	-	499.3m
19	2	12M	50.5u	1.918m	-	470.0m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_14
 Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	11M	56.4u	-	-	776.4m
2	2	14M	96.2u	917.8u	-	66.30m
3	3	13M	59.5u	1.256m	991.5u	143.5m
4	2	9M	69.4u	1.109m	-	851.2m
5	1	10M	65.7u	-	-	790.7m
6	1	17M	91.0u	-	-	863.5m
7	1	14M	97.4u	-	-	805.4m
8	2	10M	70.8u	1.287m	-	408.2m
9	1	10M	71.0u	-	-	363.7m
10	2	13M	59.4u	1.284m	-	373.7m
11	2	16M	90.9u	1.779m	-	577.1m
12	2	10M	63.4u	1.832m	-	890.3m



13	1	12M	88.0u	-	-	104.2m
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Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_15
 Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	56.0u	1.185m	-	717.3m
2	2	14M	89.5u	1.146m	-	653.1m
3	3	17M	63.9u	1.863m	1.430m	120.8m
4	3	17M	97.9u	1.520m	1.446m	272.2m
5	1	12M	78.9u	-	-	512.7m
6	1	10M	53.0u	-	-	94.31m
7	2	8M	80.1u	1.679m	-	431.1m
8	2	10M	81.0u	1.428m	-	287.9m
9	2	12M	61.2u	1.594m	-	107.9m
10	2	5M	71.8u	1.885m	-	416.7m
11	2	10M	58.2u	1.110m	-	120.4m
12	2	13M	82.2u	1.397m	-	319.1m
13	3	12M	95.6u	1.493m	1.190m	304.4m
14	1	9M	90.9u	-	-	82.53m
15	1	17M	71.7u	-	-	143.1m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_16
 Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	15M	97.5u	1.045m	1.538m	409.7m
2	2	13M	93.1u	1.411m	-	62.14m
3	2	6M	50.2u	1.786m	-	4.664m
4	1	18M	79.2u	-	-	286.2m
5	2	19M	87.5u	1.413m	-	548.5m
6	3	13M	60.4u	1.490m	1.736m	653.6m
7	2	16M	86.8u	1.664m	-	267.0m
8	1	15M	93.8u	-	-	595.9m
9	1	20M	70.5u	-	-	702.0m
10	1	15M	70.8u	-	-	230.5m
11	2	16M	54.1u	1.932m	-	548.7m
12	2	15M	77.5u	1.477m	-	58.39m
13	2	12M	55.6u	1.300m	-	560.9m
14	2	8M	90.5u	1.456m	-	316.9m
15	3	8M	81.7u	1.426m	1.538m	155.1m



16	1	16M	51.7u	-	-	341.5m
17	2	18M	79.4u	1.146m	-	545.6m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_17						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	76.2u	1.334m	-	357.5m
2	2	16M	50.1u	1.786m	-	503.7m
3	1	5M	76.0u	-	-	500.9m
4	2	16M	87.2u	1.669m	-	825.5m
5	2	14M	52.5u	986.5u	-	96.96m
6	3	14M	75.7u	1.499m	1.695m	643.4m
7	1	18M	68.1u	-	-	665.6m
8	1	16M	76.2u	-	-	96.45m
9	3	13M	57.3u	1.155m	1.793m	866.8m
10	1	9M	83.3u	-	-	54.92m
11	2	8M	74.0u	1.694m	-	149.3m
12	3	10M	61.7u	1.539m	997.3u	790.9m
13	1	9M	75.1u	-	-	540.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_18						
Number of Bursts in Trial: 17						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	67.8u	1.256m	1.598m	272.9m
2	2	8M	89.6u	1.285m	-	199.0m
3	2	19M	81.7u	1.680m	-	104.7m
4	3	10M	99.5u	1.636m	1.656m	104.0m
5	2	18M	54.6u	1.613m	-	235.2m
6	2	6M	68.6u	1.419m	-	443.3m
7	2	19M	55.5u	1.378m	-	306.7m
8	2	18M	55.9u	1.615m	-	625.5m
9	1	19M	72.4u	-	-	544.7m
10	1	7M	53.3u	-	-	277.2m
11	3	10M	50.3u	1.314m	1.559m	693.5m
12	2	13M	95.6u	1.340m	-	634.5m
13	3	13M	50.2u	1.479m	1.545m	300.2m
14	1	7M	63.0u	-	-	429.5m
15	2	12M	74.2u	1.399m	-	496.7m
16	1	19M	71.6u	-	-	589.9m



17	2	5M	61.6u	1.377m	-	321.8m
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Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_19						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	94.6u	1.567m	-	403.1m
2	1	6M	92.5u	-	-	659.7m
3	1	18M	79.6u	-	-	148.5m
4	2	16M	89.3u	1.120m	-	561.9m
5	2	14M	72.0u	1.366m	-	391.8m
6	1	12M	77.7u	-	-	456.2m
7	1	10M	76.9u	-	-	442.4m
8	2	10M	71.9u	1.284m	-	588.1m
9	3	5M	89.7u	1.011m	1.391m	395.1m
10	1	19M	73.3u	-	-	302.2m
11	2	10M	57.7u	1.654m	-	216.6m
12	2	17M	86.9u	1.334m	-	279.8m
13	1	13M	97.6u	-	-	218.0m
14	2	18M	97.2u	1.406m	-	256.7m
15	2	20M	79.7u	1.266m	-	197.5m
16	1	7M	58.8u	-	-	250.4m
17	1	9M	82.8u	-	-	348.2m
18	1	7M	92.4u	-	-	202.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_20						
Number of Bursts in Trial: 20						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	56.2u	1.351m	-	329.9m
2	2	10M	80.7u	1.055m	-	91.58m
3	2	10M	80.8u	1.359m	-	46.44m
4	1	13M	70.8u	-	-	74.09m
5	1	17M	95.0u	-	-	583.2m
6	3	15M	61.4u	1.313m	1.159m	149.5m
7	3	14M	69.7u	1.741m	1.249m	330.6m
8	2	11M	51.5u	1.439m	-	198.7m
9	3	11M	68.1u	938.9u	1.287m	225.3m
10	2	14M	89.3u	1.302m	-	121.4m
11	1	18M	51.6u	-	-	514.1m
12	2	14M	73.6u	1.627m	-	141.2m



13	2	9M	79.9u	1.864m	-	190.8m
14	1	16M	99.3u	-	-	426.4m
15	3	16M	74.4u	1.668m	1.236m	484.8m
16	2	20M	98.8u	1.686m	-	528.0m
17	2	5M	72.4u	1.728m	-	338.2m
18	2	12M	70.4u	1.702m	-	63.49m
19	3	14M	85.9u	1.355m	1.099m	493.9m
20	1	16M	86.6u	-	-	316.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_21						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	93.4u	-	-	753.0m
2	1	19M	53.5u	-	-	756.6m
3	1	9M	90.3u	-	-	636.1m
4	1	19M	53.3u	-	-	889.7m
5	3	7M	70.3u	1.041m	1.088m	621.3m
6	2	7M	91.8u	1.241m	-	695.0m
7	2	9M	69.5u	1.664m	-	138.4m
8	3	8M	77.4u	1.006m	1.794m	152.3m
9	2	18M	56.1u	1.295m	-	542.1m
10	3	10M	80.0u	1.849m	1.527m	810.9m
11	3	7M	94.6u	1.719m	1.320m	195.9m
12	2	14M	82.0u	999.0u	-	900.6m
13	3	9M	70.2u	1.500m	1.243m	778.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_22						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	54.7u	1.655m	-	91.16m
2	1	17M	78.6u	-	-	901.4m
3	1	17M	67.8u	-	-	739.7m
4	3	7M	92.7u	1.832m	1.277m	412.6m
5	3	7M	51.4u	1.418m	1.614m	444.5m
6	3	10M	92.5u	1.166m	1.195m	715.4m
7	1	15M	92.3u	-	-	252.3m
8	2	13M	87.2u	1.802m	-	204.6m
9	3	8M	81.3u	1.665m	1.630m	9.286m
10	2	7M	69.2u	1.219m	-	845.2m



11	2	17M	57.2u	1.622m	-	756.6m
12	3	6M	97.5u	1.207m	1.636m	152.1m
13	2	20M	85.5u	1.877m	-	108.0m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_23
 Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	94.4u	1.539m	-	192.5m
2	2	9M	92.1u	1.011m	-	554.3m
3	2	16M	81.0u	1.087m	-	585.0m
4	1	12M	64.5u	-	-	82.46m
5	2	6M	93.1u	1.727m	-	288.3m
6	1	19M	75.6u	-	-	176.1m
7	2	15M	59.8u	1.653m	-	631.8m
8	3	6M	72.8u	1.611m	1.436m	122.8m
9	2	13M	56.6u	1.355m	-	769.9m
10	2	6M	93.2u	1.125m	-	374.9m
11	2	10M	99.2u	1.832m	-	28.59m
12	2	10M	60.5u	1.703m	-	93.80m
13	1	18M	95.2u	-	-	317.8m
14	2	9M	73.5u	1.902m	-	336.7m
15	1	17M	68.8u	-	-	368.4m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_24
 Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	77.2u	1.701m	-	309.9m
2	1	13M	80.9u	-	-	1.134
3	1	18M	58.1u	-	-	1.329
4	2	10M	77.5u	1.248m	-	676.7m
5	2	14M	77.9u	1.107m	-	1.070
6	1	9M	65.6u	-	-	771.1m
7	1	7M	64.8u	-	-	1.128
8	2	10M	79.8u	1.289m	-	760.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_25						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	15M	63.1u	1.785m	1.800m	49.64m
2	2	6M	85.2u	1.516m	-	167.2m
3	3	6M	92.2u	1.872m	1.093m	168.4m
4	2	13M	76.4u	929.6u	-	331.5m
5	2	17M	97.7u	1.161m	-	12.23m
6	2	15M	84.7u	1.111m	-	249.5m
7	2	19M	53.5u	1.154m	-	189.4m
8	2	15M	92.7u	1.774m	-	218.6m
9	3	14M	60.3u	1.142m	1.069m	9.399m
10	2	10M	85.8u	1.906m	-	166.7m
11	2	12M	89.0u	1.512m	-	363.8m
12	2	10M	72.8u	1.055m	-	150.0m
13	2	11M	80.9u	1.845m	-	627.7m
14	3	7M	53.2u	963.8u	1.247m	481.4m
15	3	20M	52.7u	1.246m	1.637m	742.7m
16	1	11M	85.4u	-	-	308.6m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_26						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	15M	65.1u	1.491m	1.093m	249.0m
2	3	14M	70.2u	1.317m	1.771m	452.4m
3	1	9M	85.7u	-	-	684.6m
4	1	12M	81.0u	-	-	104.1m
5	1	10M	97.4u	-	-	669.4m
6	2	14M	62.6u	992.4u	-	363.4m
7	1	14M	70.7u	-	-	37.32m
8	3	18M	61.3u	1.463m	1.927m	275.8m
9	2	8M	93.5u	1.808m	-	598.4m
10	2	7M	54.3u	1.356m	-	155.2m
11	1	6M	53.4u	-	-	87.66m
12	3	17M	64.1u	1.801m	1.270m	445.3m
13	1	13M	64.4u	-	-	40.07m
14	2	8M	69.3u	1.559m	-	49.20m
15	3	18M	72.7u	1.665m	1.307m	8.872m

16	3	15M	69.2u	1.583m	1.589m	467.5m
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Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_27
 Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	99.7u	1.702m	-	538.5m
2	2	9M	84.4u	1.264m	-	233.5m
3	2	12M	99.2u	1.122m	-	571.7m
4	1	18M	56.8u	-	-	581.6m
5	2	20M	79.3u	952.7u	-	444.4m
6	2	12M	97.2u	1.051m	-	631.1m
7	1	9M	59.4u	-	-	624.2m
8	1	19M	69.2u	-	-	394.6m
9	3	6M	61.5u	1.209m	1.558m	592.9m
10	2	7M	65.7u	1.499m	-	120.3m
11	1	11M	74.6u	-	-	470.0m
12	1	14M	61.2u	-	-	527.1m
13	2	14M	82.4u	1.894m	-	186.3m
14	2	12M	88.3u	1.332m	-	288.3m
15	3	17M	58.0u	1.761m	1.859m	82.08m
16	1	8M	60.3u	-	-	472.2m
17	3	19M	69.5u	1.855m	1.015m	511.7m
18	3	14M	84.5u	1.842m	1.532m	214.8m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_28
 Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	15M	59.2u	1.754m	1.806m	664.1m
2	2	10M	74.7u	1.728m	-	337.3m
3	2	14M	67.0u	1.821m	-	206.7m
4	2	8M	88.6u	1.909m	-	199.9m
5	3	17M	61.5u	1.196m	1.143m	493.1m
6	2	11M	99.3u	1.575m	-	520.4m
7	2	13M	66.4u	1.877m	-	342.9m
8	2	14M	93.8u	1.049m	-	135.2m
9	3	15M	73.8u	1.710m	1.337m	122.0m
10	2	19M	70.6u	1.562m	-	573.8m
11	2	10M	77.1u	1.260m	-	38.93m
12	2	19M	64.5u	1.211m	-	9.571m



13	3	19M	63.3u	1.244m	1.391m	176.2m
14	2	10M	74.3u	981.7u	-	558.8m
15	2	15M	71.4u	1.099m	-	291.7m
16	2	9M	78.4u	1.106m	-	387.6m
17	2	12M	90.1u	1.500m	-	105.5m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_29
 Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	20M	71.1u	1.021m	1.028m	896.7m
2	2	7M	97.5u	1.096m	-	393.5m
3	2	6M	79.7u	1.287m	-	378.4m
4	1	9M	72.9u	-	-	800.6m
5	2	10M	89.9u	1.316m	-	702.2m
6	3	17M	91.1u	1.730m	1.060m	494.4m
7	1	9M	57.8u	-	-	392.6m
8	2	10M	77.6u	1.439m	-	631.4m
9	2	5M	93.0u	1.065m	-	321.1m
10	3	19M	70.9u	1.109m	1.819m	877.2m
11	2	15M	61.1u	1.555m	-	945.6m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_30
 Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	12M	56.9u	1.305m	1.564m	734.5m
2	2	7M	60.4u	1.411m	-	667.5m
3	2	14M	97.1u	1.149m	-	369.9m
4	2	9M	76.0u	1.337m	-	761.7m
5	3	10M	96.7u	1.073m	1.239m	397.9m
6	1	13M	64.5u	-	-	460.3m
7	2	8M	85.2u	1.531m	-	26.52m
8	2	6M	57.8u	1.891m	-	54.78m
9	2	6M	68.5u	1.633m	-	696.0m
10	2	20M	57.3u	947.7u	-	316.7m
11	2	14M	56.4u	997.6u	-	668.2m
12	1	18M	92.5u	-	-	623.1m
13	2	11M	81.0u	1.369m	-	193.5m
14	1	10M	90.5u	-	-	653.3m
15	2	16M	98.3u	1.157m	-	57.11m



IEEE 802.11N 40MHz.

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_01						
Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	64.9u	1.894m	-	112.1m
2	3	6M	56.2u	1.777m	1.111m	146.6m
3	3	11M	75.5u	1.172m	1.642m	817.2m
4	2	5M	65.1u	1.467m	-	436.0m
5	1	12M	50.1u	-	-	659.7m
6	2	10M	95.4u	1.738m	-	34.74m
7	1	13M	88.2u	-	-	729.5m
8	3	10M	57.0u	1.303m	955.0u	287.2m
9	2	18M	96.4u	1.123m	-	750.1m
10	2	16M	96.0u	1.823m	-	163.5m
11	1	10M	75.1u	-	-	846.5m
12	2	15M	95.5u	1.534m	-	301.7m
13	2	19M	97.2u	1.186m	-	138.0m
14	1	11M	87.4u	-	-	367.9m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	65.8u	1.746m	-	440.4m
2	2	7M	79.6u	1.011m	-	104.7m
3	3	6M	55.5u	1.596m	1.900m	458.7m
4	1	16M	97.5u	-	-	202.6m
5	2	18M	87.4u	1.297m	-	225.1m
6	2	10M	80.1u	1.627m	-	47.98m
7	2	8M	68.1u	1.681m	-	395.3m
8	2	9M	74.3u	1.530m	-	160.0m
9	1	18M	73.3u	-	-	617.5m
10	3	13M	93.9u	1.384m	1.503m	496.4m
11	3	10M	81.1u	1.449m	1.476m	525.0m
12	3	12M	73.7u	1.323m	1.768m	142.8m
13	2	11M	57.0u	1.592m	-	369.9m
14	2	17M	56.2u	1.631m	-	272.5m
15	2	15M	92.0u	1.225m	-	420.7m



16	1	14M	75.5u	-	-	166.0m
17	1	16M	80.9u	-	-	574.5m
18	2	15M	60.5u	1.327m	-	442.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_03

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	79.3u	1.229m	1.659m	503.9m
2	2	11M	82.5u	1.145m	-	403.8m
3	2	19M	90.8u	1.293m	-	745.0m
4	2	7M	62.8u	1.303m	-	301.3m
5	2	20M	62.5u	1.057m	-	132.8m
6	3	13M	99.2u	1.221m	1.738m	404.6m
7	2	11M	50.3u	1.859m	-	348.8m
8	1	16M	90.0u	-	-	7.304m
9	3	8M	89.0u	1.200m	952.0u	625.7m
10	3	7M	66.3u	1.847m	1.103m	696.1m
11	2	12M	86.0u	1.571m	-	799.1m
12	2	7M	87.7u	918.3u	-	425.6m
13	2	19M	71.8u	1.607m	-	801.2m
14	1	12M	54.6u	-	-	625.7m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_04

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	69.1u	1.790m	-	67.25m
2	2	19M	90.7u	1.235m	-	316.8m
3	2	9M	81.9u	1.339m	-	295.4m
4	2	14M	73.5u	1.159m	-	207.9m
5	2	12M	91.1u	1.655m	-	264.8m
6	1	16M	70.8u	-	-	25.07m
7	2	18M	89.7u	1.360m	-	254.9m
8	2	19M	90.6u	1.088m	-	149.3m
9	1	13M	79.4u	-	-	216.0m
10	3	14M	97.9u	1.783m	1.804m	198.1m
11	1	7M	69.8u	-	-	583.3m
12	1	12M	91.1u	-	-	182.4m
13	3	7M	97.3u	1.272m	1.214m	552.5m
14	2	20M	96.0u	1.719m	-	72.20m



15	2	9M	58.2u	1.569m	-	502.6m
16	2	18M	66.6u	1.679m	-	35.67m
17	2	20M	67.8u	1.798m	-	392.4m
18	2	15M	65.3u	1.788m	-	106.5m
19	3	19M	53.0u	1.162m	1.000m	453.1m
20	3	6M	58.6u	1.608m	1.529m	257.6m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_05
 Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	12M	60.2u	-	-	1.009
2	3	16M	95.2u	1.246m	1.321m	257.2m
3	1	18M	64.9u	-	-	1.177
4	2	11M	84.0u	1.866m	-	152.9m
5	2	8M	92.5u	1.375m	-	529.8m
6	2	11M	82.4u	1.196m	-	245.9m
7	2	6M	75.6u	1.880m	-	651.3m
8	1	17M	50.9u	-	-	169.1m
9	2	9M	50.8u	1.549m	-	248.4m
10	2	12M	79.6u	969.4u	-	1.011

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_06
 Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	54.5u	1.699m	-	1.207
2	3	13M	59.9u	1.759m	1.644m	315.2m
3	2	17M	92.0u	1.129m	-	1.096
4	2	11M	89.0u	1.320m	-	1.166
5	2	19M	58.2u	1.676m	-	180.1m
6	1	5M	68.8u	-	-	1.110
7	3	17M	68.9u	1.084m	959.1u	116.3m
8	2	6M	59.4u	1.213m	-	758.0m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_07
 Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	13M	68.9u	1.665m	1.899m	589.2m
2	2	15M	81.2u	1.545m	-	593.6m
3	3	6M	69.2u	1.299m	1.050m	515.7m
4	3	14M	78.0u	1.358m	1.544m	650.4m
5	2	9M	77.9u	1.500m	-	702.2m
6	2	11M	55.3u	1.595m	-	785.1m
7	1	7M	52.2u	-	-	617.4m
8	1	13M	52.4u	-	-	700.8m
9	2	15M	68.1u	1.877m	-	787.1m
10	2	13M	69.5u	1.520m	-	581.6m
11	3	8M	58.8u	1.511m	1.014m	160.1m
12	2	14M	68.0u	1.872m	-	810.3m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_08
 Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	84.2u	-	-	928.7m
2	2	12M	75.2u	1.385m	-	444.2m
3	3	8M	71.0u	1.669m	1.256m	892.1m
4	1	8M	90.3u	-	-	31.04m
5	3	11M	86.6u	1.056m	1.583m	743.2m
6	2	6M	51.0u	987.0u	-	386.0m
7	1	7M	51.5u	-	-	526.7m
8	2	7M	74.7u	1.619m	-	20.93m
9	3	6M	58.0u	1.896m	1.812m	487.7m
10	2	10M	80.7u	1.585m	-	749.1m
11	1	6M	85.9u	-	-	474.0m
12	1	12M	74.3u	-	-	642.1m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_09
 Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	99.8u	1.205m	-	168.9m
2	2	19M	71.6u	1.238m	-	474.1m
3	2	7M	64.0u	1.795m	-	493.8m
4	2	15M	67.6u	1.143m	-	225.6m
5	1	13M	97.7u	-	-	513.5m
6	3	16M	68.9u	1.379m	1.314m	520.0m
7	3	15M	69.9u	1.663m	1.564m	569.5m
8	3	12M	85.0u	1.698m	1.747m	422.0m
9	3	10M	51.4u	1.194m	1.078m	532.2m
10	2	6M	57.0u	1.907m	-	392.4m
11	2	9M	75.7u	1.727m	-	119.7m
12	1	19M	70.9u	-	-	363.9m
13	3	19M	85.3u	1.407m	1.331m	475.5m
14	3	18M	52.3u	1.738m	1.853m	461.6m
15	3	14M	90.5u	1.623m	1.868m	245.8m
16	2	13M	59.4u	1.623m	-	307.6m
17	2	6M	87.2u	1.236m	-	3.867m
18	2	7M	89.5u	1.318m	-	123.2m
19	3	15M	78.6u	1.426m	1.786m	164.1m
20	1	19M	72.1u	-	-	111.0m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_10
 Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	70.4u	-	-	506.7m
2	2	13M	63.7u	1.183m	-	354.8m
3	1	6M	82.1u	-	-	8.298m
4	3	18M	62.8u	1.161m	1.481m	220.5m
5	2	15M	89.0u	1.198m	-	256.0m
6	1	20M	70.7u	-	-	199.0m
7	2	10M	92.1u	1.471m	-	217.2m
8	2	11M	72.0u	1.255m	-	609.6m
9	1	10M	92.7u	-	-	20.99m
10	2	8M	97.9u	1.852m	-	211.7m
11	2	12M	94.8u	1.379m	-	451.8m



12	1	13M	96.1u	-	-	552.1m
13	2	13M	67.9u	1.490m	-	336.1m
14	1	14M	99.6u	-	-	423.8m
15	2	7M	96.0u	1.644m	-	458.0m
16	2	13M	65.3u	1.772m	-	371.4m
17	2	16M	66.3u	1.483m	-	193.3m
18	3	13M	82.4u	1.724m	1.670m	525.4m
19	3	5M	61.3u	1.172m	1.699m	584.4m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_11
 Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	65.5u	1.531m	-	129.6m
2	2	11M	62.9u	1.410m	-	172.4m
3	2	16M	66.0u	1.344m	-	232.2m
4	3	16M	68.2u	1.918m	1.841m	663.9m
5	3	5M	50.6u	1.474m	1.053m	494.8m
6	1	9M	63.8u	-	-	917.7m
7	3	6M	71.3u	1.132m	1.009m	46.73m
8	2	19M	76.6u	1.544m	-	907.9m
9	2	18M	84.7u	1.207m	-	890.7m
10	2	8M	73.7u	1.214m	-	146.2m
11	1	6M	95.9u	-	-	432.4m
12	2	20M	65.9u	1.032m	-	413.9m
13	1	9M	74.7u	-	-	172.2m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_12
 Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	60.5u	1.234m	1.359m	57.23m
2	2	16M	50.6u	1.153m	-	601.0m
3	2	16M	68.7u	1.505m	-	294.0m
4	2	20M	96.0u	1.712m	-	701.1m
5	3	11M	91.2u	1.781m	1.644m	758.9m
6	2	8M	52.4u	1.637m	-	583.8m
7	2	7M	61.7u	1.654m	-	246.7m
8	2	15M	94.5u	1.184m	-	707.3m
9	1	15M	54.1u	-	-	1.004
10	2	11M	71.9u	1.316m	-	1.154

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_13
 Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	6M	74.0u	1.638m	1.675m	113.3m
2	3	13M	87.1u	1.798m	951.9u	174.9m
3	1	19M	90.4u	-	-	591.1m
4	2	12M	90.3u	1.831m	-	90.44m
5	2	13M	80.1u	1.108m	-	417.4m
6	3	8M	76.5u	943.5u	1.807m	260.7m
7	2	14M	59.1u	1.823m	-	627.1m
8	3	18M	91.3u	1.519m	1.584m	550.1m
9	3	19M	84.6u	1.395m	1.420m	618.8m
10	1	16M	88.5u	-	-	564.4m
11	2	7M	57.7u	1.598m	-	306.4m
12	1	15M	91.0u	-	-	303.0m
13	2	16M	69.7u	1.836m	-	525.4m
14	3	9M	74.1u	1.094m	1.055m	327.5m
15	2	15M	89.3u	1.411m	-	399.4m
16	3	14M	69.3u	1.214m	1.755m	384.1m
17	3	19M	69.5u	1.403m	1.478m	254.6m
18	2	6M	57.8u	1.888m	-	621.5m
19	1	20M	60.9u	-	-	233.7m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_14
 Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	55.0u	1.844m	-	432.7m
2	2	12M	66.9u	1.882m	-	764.4m
3	2	10M	90.0u	1.038m	-	227.8m
4	1	19M	69.5u	-	-	425.4m
5	2	10M	96.0u	1.121m	-	784.6m
6	3	8M	54.3u	1.769m	1.252m	134.5m
7	3	16M	60.8u	1.452m	1.546m	663.5m
8	3	19M	60.9u	1.649m	1.694m	233.1m
9	3	7M	60.7u	1.841m	1.081m	815.6m
10	2	6M	67.5u	1.260m	-	198.6m
11	2	15M	53.6u	1.411m	-	351.0m
12	2	11M	85.0u	966.0u	-	301.2m



13	2	17M	51.9u	1.426m	-	708.3m
14	2	7M	84.1u	1.401m	-	718.1m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	91.1u	1.563m	-	1.119
2	2	13M	52.2u	1.278m	-	1.132
3	3	14M	91.1u	1.610m	1.176m	793.5m
4	3	17M	57.7u	1.070m	1.041m	194.2m
5	1	11M	68.8u	-	-	403.2m
6	1	11M	60.2u	-	-	161.6m
7	1	15M	50.6u	-	-	854.2m
8	2	9M	68.7u	1.277m	-	961.7m
9	2	10M	70.6u	1.210m	-	314.8m
10	3	18M	60.9u	1.332m	1.250m	197.5m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	58.4u	1.794m	-	545.4m
2	1	8M	61.6u	-	-	576.7m
3	2	12M	97.0u	1.014m	-	766.4m
4	2	7M	53.0u	1.446m	-	675.1m
5	3	9M	92.6u	1.686m	1.779m	7.921m
6	1	6M	78.2u	-	-	555.2m
7	2	14M	91.8u	1.731m	-	326.1m
8	1	19M	91.7u	-	-	220.0m
9	2	19M	75.3u	1.095m	-	892.9m
10	2	18M	90.5u	1.543m	-	368.7m
11	1	10M	68.2u	-	-	232.8m
12	3	12M	60.8u	1.435m	1.489m	95.95m
13	3	8M	78.2u	1.834m	1.537m	65.67m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_17
 Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	52.7u	1.046m	-	188.9m
2	2	10M	89.7u	1.055m	-	562.1m
3	3	9M	54.9u	1.204m	1.038m	161.3m
4	3	11M	92.1u	1.176m	1.030m	511.7m
5	2	8M	78.5u	1.665m	-	505.1m
6	1	19M	52.2u	-	-	238.9m
7	1	18M	97.8u	-	-	77.73m
8	1	10M	82.2u	-	-	112.8m
9	1	14M	64.2u	-	-	249.1m
10	1	11M	68.2u	-	-	524.2m
11	2	8M	92.3u	977.7u	-	282.1m
12	2	13M	81.6u	956.4u	-	247.8m
13	2	16M	97.7u	1.849m	-	2.428m
14	2	17M	80.6u	1.899m	-	248.6m
15	2	6M	97.1u	1.427m	-	19.59m
16	2	5M	94.5u	1.838m	-	191.8m
17	2	11M	93.8u	1.266m	-	209.2m
18	3	10M	65.3u	1.140m	1.525m	446.6m
19	3	9M	60.8u	1.809m	1.085m	479.1m
20	1	6M	65.6u	-	-	508.5m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_18
 Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	55.0u	1.761m	-	591.8m
2	3	15M	52.3u	1.840m	1.832m	16.83m
3	2	6M	52.5u	1.311m	-	802.6m
4	1	16M	61.5u	-	-	294.8m
5	2	6M	98.4u	1.477m	-	612.8m
6	3	11M	83.6u	1.609m	1.347m	314.1m
7	1	11M	98.1u	-	-	499.5m
8	2	17M	83.1u	1.819m	-	812.5m
9	2	20M	93.6u	1.544m	-	458.8m
10	2	5M	68.3u	1.431m	-	556.3m
11	1	20M	61.4u	-	-	626.9m



12	1	8M	54.3u	-	-	560.5m
13	3	16M	88.8u	1.369m	1.231m	720.8m
14	1	7M	84.9u	-	-	818.7m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_19
 Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	86.1u	-	-	106.9m
2	2	7M	71.5u	1.239m	-	853.5m
3	2	11M	53.3u	1.479m	-	112.8m
4	2	16M	92.6u	1.790m	-	431.1m
5	2	10M	85.8u	1.537m	-	86.24m
6	2	19M	55.2u	1.319m	-	755.0m
7	1	20M	77.7u	-	-	204.3m
8	2	7M	55.4u	1.417m	-	391.2m
9	2	18M	65.0u	1.057m	-	838.7m
10	2	13M	98.8u	1.566m	-	19.94m
11	2	18M	72.2u	1.757m	-	617.8m
12	1	12M	95.9u	-	-	417.7m
13	2	10M	82.7u	1.882m	-	703.1m
14	2	13M	56.7u	1.338m	-	595.5m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_20
 Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	55.1u	1.681m	-	573.0m
2	2	11M	55.8u	1.061m	-	382.8m
3	3	16M	50.2u	989.8u	1.393m	469.0m
4	2	10M	62.1u	1.596m	-	380.1m
5	3	11M	95.7u	1.867m	1.151m	279.5m
6	2	14M	74.1u	1.137m	-	621.2m
7	2	12M	96.1u	1.532m	-	138.5m
8	2	8M	73.2u	1.036m	-	70.27m
9	2	15M	89.0u	1.713m	-	545.9m
10	2	7M	62.9u	1.053m	-	226.4m
11	2	10M	83.2u	1.402m	-	431.6m
12	1	10M	91.6u	-	-	563.2m
13	1	13M	81.6u	-	-	483.1m
14	2	10M	54.6u	1.149m	-	396.4m



15	2	14M	95.4u	1.140m	-	223.3m
16	2	6M	52.6u	1.904m	-	592.1m
17	3	16M	56.2u	1.431m	1.657m	481.6m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_21
 Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	17M	65.9u	1.463m	1.422m	410.0m
2	2	7M	80.1u	1.128m	-	562.5m
3	3	18M	79.8u	1.866m	1.822m	155.3m
4	3	20M	69.7u	1.686m	1.649m	717.7m
5	3	19M	55.9u	1.568m	1.899m	750.9m
6	2	15M	89.1u	1.454m	-	895.9m
7	2	5M	51.9u	1.108m	-	516.9m
8	2	12M	73.1u	1.511m	-	25.83m
9	3	18M	92.8u	962.2u	1.205m	171.8m
10	2	15M	52.5u	1.178m	-	1.036
11	2	9M	65.8u	1.857m	-	217.5m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_22
 Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	76.0u	-	-	1.082
2	2	12M	95.4u	1.317m	-	124.0m
3	3	11M	98.8u	1.043m	904.2u	838.0m
4	2	9M	73.4u	1.694m	-	980.0m
5	1	12M	88.0u	-	-	192.5m
6	3	17M	58.1u	1.702m	1.242m	326.0m
7	3	7M	71.7u	1.882m	1.259m	379.6m
8	1	6M	53.1u	-	-	1.316
9	1	16M	53.1u	-	-	728.6m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_23
 Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	90.3u	1.376m	-	934.5m
2	1	19M	86.3u	-	-	574.0m
3	3	17M	81.2u	1.462m	1.499m	678.1m
4	1	8M	81.1u	-	-	557.5m
5	1	17M	89.4u	-	-	394.6m
6	2	15M	93.0u	1.678m	-	106.7m
7	2	15M	51.4u	1.729m	-	530.8m
8	3	17M	88.2u	1.755m	1.246m	131.5m
9	2	10M	88.4u	1.755m	-	902.4m
10	2	13M	71.8u	1.719m	-	14.80m
11	3	10M	50.5u	1.941m	1.611m	504.0m
12	1	13M	99.9u	-	-	153.3m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_24
 Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	55.9u	1.168m	-	1.088
2	2	12M	63.1u	1.903m	-	106.6m
3	2	5M	75.5u	1.278m	-	310.5m
4	1	8M	54.9u	-	-	1.262
5	2	8M	72.3u	1.435m	-	1.150
6	1	13M	78.9u	-	-	119.0m
7	2	14M	87.3u	1.649m	-	1.283
8	1	7M	93.5u	-	-	96.68m
9	2	13M	70.1u	1.852m	-	881.3m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_25
 Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	63.6u	1.685m	-	99.49m
2	3	10M	89.0u	1.452m	1.757m	99.28m
3	2	7M	57.6u	1.801m	-	107.9m



4	2	17M	61.1u	1.063m	-	735.6m
5	2	5M	77.7u	1.326m	-	350.8m
6	2	8M	90.2u	1.819m	-	329.7m
7	3	7M	58.8u	1.580m	1.893m	517.0m
8	2	10M	62.6u	1.741m	-	525.3m
9	2	14M	87.1u	1.165m	-	500.7m
10	2	5M	86.2u	1.447m	-	81.12m
11	2	5M	52.5u	1.775m	-	843.9m
12	2	10M	66.4u	1.932m	-	289.5m
13	1	6M	64.1u	-	-	240.3m
14	2	19M	74.3u	1.271m	-	579.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_26

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	91.9u	974.1u	-	389.8m
2	1	6M	78.1u	-	-	99.86m
3	2	17M	54.9u	1.126m	-	641.7m
4	1	13M	85.8u	-	-	589.0m
5	2	18M	91.2u	1.849m	-	114.2m
6	1	14M	89.2u	-	-	471.9m
7	2	11M	63.2u	1.409m	-	619.0m
8	2	18M	98.8u	1.113m	-	493.9m
9	2	9M	80.1u	1.448m	-	416.0m
10	2	9M	50.0u	1.545m	-	547.7m
11	3	10M	96.1u	1.358m	1.349m	528.9m
12	3	8M	72.0u	1.061m	1.534m	14.57m
13	1	13M	64.3u	-	-	254.4m
14	2	10M	75.9u	1.487m	-	572.0m
15	3	12M	71.0u	1.026m	1.195m	641.6m
16	3	17M	84.7u	1.513m	1.398m	23.78m
17	2	9M	69.1u	1.438m	-	121.2m
18	3	14M	50.3u	1.270m	1.741m	94.42m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_27						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	79.6u	989.4u	-	173.4m
2	2	17M	61.6u	1.668m	-	162.2m
3	2	12M	52.0u	1.850m	-	42.92m
4	1	7M	92.2u	-	-	269.6m
5	1	18M	97.2u	-	-	311.2m
6	1	11M	76.4u	-	-	368.8m
7	1	9M	90.6u	-	-	370.7m
8	2	17M	60.7u	1.188m	-	187.1m
9	2	10M	72.6u	1.290m	-	313.5m
10	2	12M	63.7u	1.643m	-	342.6m
11	3	9M	98.1u	1.066m	1.271m	476.7m
12	3	12M	58.3u	1.863m	1.168m	299.7m
13	1	16M	59.2u	-	-	19.31m
14	2	12M	85.4u	1.393m	-	591.9m
15	2	20M	52.8u	1.201m	-	142.3m
16	2	11M	95.3u	910.7u	-	165.6m
17	1	10M	65.7u	-	-	324.7m
18	1	14M	76.9u	-	-	112.1m
19	1	8M	51.3u	-	-	608.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_28						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	86.1u	1.133m	-	609.9m
2	3	8M	87.0u	1.252m	1.731m	511.3m
3	2	15M	81.8u	1.127m	-	564.3m
4	1	8M	84.6u	-	-	76.68m
5	1	14M	92.6u	-	-	603.8m
6	3	11M	91.7u	1.541m	1.539m	355.8m
7	3	15M	87.0u	989.0u	1.027m	277.7m
8	1	14M	99.1u	-	-	646.4m
9	1	11M	54.6u	-	-	557.9m
10	2	18M	70.4u	1.754m	-	284.0m
11	1	19M	74.2u	-	-	407.3m
12	2	9M	59.0u	1.283m	-	31.20m



13	2	16M	50.8u	1.083m	-	647.3m
14	2	12M	90.5u	1.275m	-	536.1m
15	2	14M	50.3u	1.568m	-	236.0m
16	1	20M	71.1u	-	-	78.65m
17	3	13M	98.1u	1.453m	1.698m	652.2m
18	2	16M	88.0u	1.616m	-	53.64m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_29
 Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	81.8u	1.269m	-	249.1m
2	2	6M	65.7u	1.112m	-	315.0m
3	2	16M	59.5u	1.267m	-	24.69m
4	1	18M	59.5u	-	-	350.6m
5	2	11M	51.2u	1.910m	-	167.8m
6	2	5M	86.6u	1.446m	-	625.0m
7	2	17M	62.0u	1.354m	-	143.3m
8	1	16M	97.0u	-	-	237.9m
9	3	10M	91.5u	1.017m	1.120m	732.9m
10	3	15M	78.8u	1.187m	1.169m	410.8m
11	2	16M	93.1u	1.358m	-	412.7m
12	3	18M	53.8u	1.183m	1.315m	280.4m
13	2	7M	82.2u	1.515m	-	720.5m
14	3	12M	52.0u	1.906m	1.547m	64.34m
15	2	16M	77.2u	1.196m	-	89.15m

Long Pulse Radar Test Signal
 Test Signal Name: LP_Signal_30
 Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	95.3u	948.7u	-	1.270
2	3	6M	57.3u	1.141m	1.529m	400.6m
3	1	11M	57.2u	-	-	705.1m
4	1	16M	85.5u	-	-	704.6m
5	2	11M	72.0u	1.719m	-	44.58m
6	2	14M	92.3u	1.602m	-	1.071
7	2	10M	67.1u	1.253m	-	606.8m
8	2	14M	69.4u	1.458m	-	1.013

B.2 The Frequency Hopping Radar Pattern

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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.385G	2	5.386G	3	5.705G	4	5.431G
5	5.329G	6	5.603G	7	5.416G	8	5.364G
9	5.293G	10	5.441G	11	5.515G	12	5.454G
13	5.371G	14	5.458G	15	5.627G	16	5.348G
17	5.524G	18	5.561G	19	5.519G	20	5.290G
21	5.679G	22	5.363G	23	5.574G	24	5.481G
25	5.384G	26	5.495G	27	5.444G	28	5.668G
29	5.353G	30	5.635G	31	5.655G	32	5.533G
33	5.718G	34	5.374G	35	5.689G	36	5.310G
37	5.480G	38	5.694G	39	5.530G	40	5.583G
41	5.286G	42	5.598G	43	5.723G	44	5.597G
45	5.429G	46	5.642G	47	5.545G	48	5.401G
49	5.345G	50	5.392G	51	5.681G	52	5.252G
53	5.351G	54	5.685G	55	5.659G	56	5.562G
57	5.383G	58	5.615G	59	5.410G	60	5.538G
61	5.350G	62	5.424G	63	5.361G	64	5.320G
65	5.600G	66	5.357G	67	5.399G	68	5.437G
69	5.532G	70	5.584G	71	5.547G	72	5.264G
73	5.701G	74	5.719G	75	5.328G	76	5.623G
77	5.358G	78	5.556G	79	5.455G	80	5.551G
81	5.421G	82	5.267G	83	5.684G	84	5.505G
85	5.618G	86	5.678G	87	5.336G	88	5.636G
89	5.527G	90	5.517G	91	5.638G	92	5.516G
93	5.643G	94	5.512G	95	5.442G	96	5.288G
97	5.612G	98	5.611G	99	5.335G	100	5.355G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.724G	2	5.373G	3	5.464G	4	5.341G
5	5.429G	6	5.483G	7	5.590G	8	5.449G
9	5.706G	10	5.669G	11	5.461G	12	5.263G
13	5.375G	14	5.374G	15	5.701G	16	5.446G
17	5.321G	18	5.262G	19	5.696G	20	5.650G
21	5.270G	22	5.300G	23	5.269G	24	5.455G
25	5.329G	26	5.558G	27	5.602G	28	5.420G
29	5.658G	30	5.527G	31	5.267G	32	5.574G
33	5.392G	34	5.606G	35	5.702G	36	5.599G



37	5.545G	38	5.643G	39	5.280G	40	5.613G
41	5.261G	42	5.523G	43	5.563G	44	5.366G
45	5.431G	46	5.468G	47	5.694G	48	5.567G
49	5.607G	50	5.419G	51	5.539G	52	5.462G
53	5.435G	54	5.531G	55	5.715G	56	5.628G
57	5.286G	58	5.529G	59	5.522G	60	5.258G
61	5.589G	62	5.389G	63	5.361G	64	5.393G
65	5.297G	66	5.560G	67	5.448G	68	5.592G
69	5.544G	70	5.482G	71	5.635G	72	5.444G
73	5.268G	74	5.440G	75	5.383G	76	5.721G
77	5.274G	78	5.432G	79	5.332G	80	5.542G
81	5.284G	82	5.686G	83	5.418G	84	5.673G
85	5.582G	86	5.585G	87	5.354G	88	5.304G
89	5.312G	90	5.699G	91	5.347G	92	5.439G
93	5.423G	94	5.576G	95	5.571G	96	5.649G
97	5.303G	98	5.377G	99	5.427G	100	5.499G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.609G	2	5.717G	3	5.283G	4	5.347G
5	5.440G	6	5.453G	7	5.436G	8	5.253G
9	5.651G	10	5.408G	11	5.515G	12	5.723G
13	5.548G	14	5.612G	15	5.269G	16	5.653G
17	5.687G	18	5.484G	19	5.672G	20	5.350G
21	5.701G	22	5.479G	23	5.499G	24	5.528G
25	5.437G	26	5.573G	27	5.665G	28	5.685G
29	5.654G	30	5.700G	31	5.327G	32	5.498G
33	5.623G	34	5.524G	35	5.348G	36	5.264G
37	5.403G	38	5.449G	39	5.265G	40	5.680G
41	5.250G	42	5.443G	43	5.641G	44	5.451G
45	5.375G	46	5.592G	47	5.427G	48	5.291G
49	5.650G	50	5.558G	51	5.635G	52	5.353G
53	5.551G	54	5.294G	55	5.276G	56	5.708G
57	5.422G	58	5.529G	59	5.596G	60	5.433G
61	5.643G	62	5.715G	63	5.640G	64	5.572G
65	5.467G	66	5.724G	67	5.699G	68	5.344G
69	5.539G	70	5.503G	71	5.354G	72	5.400G
73	5.286G	74	5.540G	75	5.364G	76	5.576G
77	5.299G	78	5.459G	79	5.405G	80	5.647G
81	5.565G	82	5.385G	83	5.402G	84	5.712G
85	5.664G	86	5.553G	87	5.631G	88	5.417G
89	5.461G	90	5.367G	91	5.388G	92	5.389G
93	5.720G	94	5.642G	95	5.452G	96	5.468G
97	5.510G	98	5.534G	99	5.455G	100	5.480G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.708G	2	5.500G	3	5.447G	4	5.568G
5	5.605G	6	5.357G	7	5.497G	8	5.537G
9	5.647G	10	5.285G	11	5.508G	12	5.662G
13	5.562G	14	5.566G	15	5.704G	16	5.585G
17	5.640G	18	5.702G	19	5.495G	20	5.295G
21	5.665G	22	5.388G	23	5.265G	24	5.394G
25	5.528G	26	5.331G	27	5.629G	28	5.369G
29	5.519G	30	5.383G	31	5.583G	32	5.270G
33	5.613G	34	5.395G	35	5.304G	36	5.609G
37	5.557G	38	5.638G	39	5.651G	40	5.291G
41	5.498G	42	5.449G	43	5.437G	44	5.293G
45	5.641G	46	5.252G	47	5.408G	48	5.274G
49	5.261G	50	5.290G	51	5.581G	52	5.505G
53	5.287G	54	5.712G	55	5.484G	56	5.661G
57	5.353G	58	5.688G	59	5.335G	60	5.666G
61	5.540G	62	5.524G	63	5.453G	64	5.604G
65	5.473G	66	5.378G	67	5.529G	68	5.527G
69	5.347G	70	5.541G	71	5.461G	72	5.579G
73	5.417G	74	5.421G	75	5.676G	76	5.278G
77	5.597G	78	5.483G	79	5.632G	80	5.431G
81	5.268G	82	5.362G	83	5.652G	84	5.350G
85	5.341G	86	5.658G	87	5.302G	88	5.469G
89	5.623G	90	5.344G	91	5.305G	92	5.306G
93	5.542G	94	5.547G	95	5.396G	96	5.630G
97	5.639G	98	5.709G	99	5.363G	100	5.289G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.364G	2	5.608G	3	5.644G	4	5.372G
5	5.538G	6	5.718G	7	5.716G	8	5.464G
9	5.649G	10	5.554G	11	5.295G	12	5.677G
13	5.424G	14	5.305G	15	5.502G	16	5.272G
17	5.632G	18	5.313G	19	5.477G	20	5.569G
21	5.699G	22	5.623G	23	5.290G	24	5.287G
25	5.468G	26	5.437G	27	5.616G	28	5.329G
29	5.355G	30	5.426G	31	5.395G	32	5.262G
33	5.552G	34	5.353G	35	5.358G	36	5.359G
37	5.600G	38	5.680G	39	5.517G	40	5.568G
41	5.668G	42	5.292G	43	5.376G	44	5.407G
45	5.655G	46	5.440G	47	5.694G	48	5.403G



49	5.533G	50	5.679G	51	5.559G	52	5.500G
53	5.682G	54	5.508G	55	5.505G	56	5.339G
57	5.350G	58	5.254G	59	5.300G	60	5.470G
61	5.630G	62	5.324G	63	5.285G	64	5.535G
65	5.446G	66	5.633G	67	5.415G	68	5.413G
69	5.336G	70	5.478G	71	5.504G	72	5.551G
73	5.433G	74	5.604G	75	5.467G	76	5.512G
77	5.385G	78	5.498G	79	5.472G	80	5.363G
81	5.585G	82	5.626G	83	5.388G	84	5.662G
85	5.349G	86	5.556G	87	5.503G	88	5.475G
89	5.277G	90	5.724G	91	5.720G	92	5.619G
93	5.582G	94	5.544G	95	5.648G	96	5.520G
97	5.257G	98	5.571G	99	5.708G	100	5.331G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.554G	2	5.605G	3	5.711G	4	5.509G
5	5.291G	6	5.283G	7	5.634G	8	5.424G
9	5.482G	10	5.364G	11	5.558G	12	5.510G
13	5.581G	14	5.301G	15	5.549G	16	5.445G
17	5.611G	18	5.647G	19	5.331G	20	5.273G
21	5.330G	22	5.452G	23	5.664G	24	5.327G
25	5.360G	26	5.430G	27	5.429G	28	5.336G
29	5.306G	30	5.698G	31	5.279G	32	5.355G
33	5.323G	34	5.522G	35	5.259G	36	5.272G
37	5.553G	38	5.538G	39	5.319G	40	5.555G
41	5.599G	42	5.308G	43	5.576G	44	5.497G
45	5.696G	46	5.496G	47	5.372G	48	5.371G
49	5.667G	50	5.685G	51	5.348G	52	5.425G
53	5.444G	54	5.294G	55	5.543G	56	5.358G
57	5.583G	58	5.287G	59	5.508G	60	5.490G
61	5.309G	62	5.258G	63	5.595G	64	5.488G
65	5.310G	66	5.473G	67	5.293G	68	5.368G
69	5.499G	70	5.700G	71	5.450G	72	5.691G
73	5.317G	74	5.477G	75	5.314G	76	5.302G
77	5.649G	78	5.292G	79	5.680G	80	5.616G
81	5.484G	82	5.600G	83	5.646G	84	5.563G
85	5.312G	86	5.264G	87	5.645G	88	5.443G
89	5.683G	90	5.389G	91	5.690G	92	5.603G
93	5.408G	94	5.539G	95	5.688G	96	5.577G
97	5.363G	98	5.585G	99	5.633G	100	5.307G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.282G	2	5.563G	3	5.319G	4	5.345G
5	5.342G	6	5.252G	7	5.461G	8	5.476G
9	5.460G	10	5.598G	11	5.422G	12	5.276G
13	5.628G	14	5.381G	15	5.424G	16	5.601G
17	5.386G	18	5.412G	19	5.722G	20	5.353G
21	5.654G	22	5.520G	23	5.545G	24	5.593G
25	5.530G	26	5.499G	27	5.451G	28	5.614G
29	5.413G	30	5.615G	31	5.600G	32	5.653G
33	5.486G	34	5.495G	35	5.508G	36	5.619G
37	5.323G	38	5.274G	39	5.329G	40	5.708G
41	5.627G	42	5.367G	43	5.607G	44	5.491G
45	5.279G	46	5.471G	47	5.299G	48	5.426G
49	5.576G	50	5.444G	51	5.622G	52	5.618G
53	5.698G	54	5.649G	55	5.373G	56	5.377G
57	5.659G	58	5.575G	59	5.509G	60	5.606G
61	5.570G	62	5.674G	63	5.631G	64	5.453G
65	5.466G	66	5.503G	67	5.709G	68	5.396G
69	5.468G	70	5.465G	71	5.309G	72	5.425G
73	5.446G	74	5.694G	75	5.479G	76	5.273G
77	5.340G	78	5.696G	79	5.380G	80	5.303G
81	5.379G	82	5.378G	83	5.678G	84	5.617G
85	5.443G	86	5.418G	87	5.259G	88	5.357G
89	5.695G	90	5.621G	91	5.565G	92	5.535G
93	5.689G	94	5.337G	95	5.331G	96	5.635G
97	5.474G	98	5.398G	99	5.463G	100	5.262G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.458G	2	5.679G	3	5.669G	4	5.276G
5	5.535G	6	5.456G	7	5.368G	8	5.591G
9	5.719G	10	5.608G	11	5.634G	12	5.281G
13	5.301G	14	5.460G	15	5.261G	16	5.442G
17	5.548G	18	5.570G	19	5.415G	20	5.307G
21	5.631G	22	5.425G	23	5.450G	24	5.610G
25	5.434G	26	5.690G	27	5.358G	28	5.390G
29	5.519G	30	5.287G	31	5.478G	32	5.393G
33	5.670G	34	5.462G	35	5.270G	36	5.300G
37	5.404G	38	5.421G	39	5.704G	40	5.605G
41	5.505G	42	5.722G	43	5.530G	44	5.661G
45	5.480G	46	5.444G	47	5.521G	48	5.265G



49	5.286G	50	5.522G	51	5.614G	52	5.524G
53	5.643G	54	5.536G	55	5.409G	56	5.599G
57	5.361G	58	5.504G	59	5.617G	60	5.618G
61	5.549G	62	5.701G	63	5.431G	64	5.430G
65	5.267G	66	5.585G	67	5.637G	68	5.717G
69	5.435G	70	5.666G	71	5.700G	72	5.711G
73	5.490G	74	5.712G	75	5.528G	76	5.451G
77	5.559G	78	5.318G	79	5.684G	80	5.428G
81	5.306G	82	5.437G	83	5.370G	84	5.297G
85	5.471G	86	5.426G	87	5.723G	88	5.443G
89	5.520G	90	5.662G	91	5.362G	92	5.268G
93	5.544G	94	5.596G	95	5.351G	96	5.553G
97	5.486G	98	5.264G	99	5.344G	100	5.533G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.549G	2	5.640G	3	5.513G	4	5.395G
5	5.430G	6	5.649G	7	5.531G	8	5.253G
9	5.614G	10	5.498G	11	5.476G	12	5.261G
13	5.501G	14	5.482G	15	5.314G	16	5.360G
17	5.684G	18	5.709G	19	5.577G	20	5.484G
21	5.387G	22	5.273G	23	5.263G	24	5.700G
25	5.575G	26	5.588G	27	5.690G	28	5.275G
29	5.704G	30	5.635G	31	5.616G	32	5.331G
33	5.411G	34	5.255G	35	5.597G	36	5.267G
37	5.653G	38	5.530G	39	5.440G	40	5.509G
41	5.461G	42	5.319G	43	5.251G	44	5.535G
45	5.460G	46	5.683G	47	5.671G	48	5.630G
49	5.311G	50	5.681G	51	5.407G	52	5.582G
53	5.435G	54	5.673G	55	5.589G	56	5.347G
57	5.624G	58	5.418G	59	5.377G	60	5.590G
61	5.492G	62	5.675G	63	5.280G	64	5.479G
65	5.527G	66	5.466G	67	5.632G	68	5.424G
69	5.572G	70	5.665G	71	5.697G	72	5.578G
73	5.459G	74	5.558G	75	5.274G	76	5.691G
77	5.580G	78	5.381G	79	5.318G	80	5.638G
81	5.286G	82	5.365G	83	5.412G	84	5.573G
85	5.617G	86	5.628G	87	5.285G	88	5.641G
89	5.338G	90	5.327G	91	5.399G	92	5.594G
93	5.534G	94	5.284G	95	5.472G	96	5.433G
97	5.439G	98	5.416G	99	5.469G	100	5.701G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.655G	2	5.606G	3	5.607G	4	5.675G
5	5.559G	6	5.526G	7	5.660G	8	5.388G
9	5.447G	10	5.452G	11	5.646G	12	5.572G
13	5.300G	14	5.633G	15	5.694G	16	5.492G
17	5.578G	18	5.250G	19	5.548G	20	5.652G
21	5.508G	22	5.598G	23	5.323G	24	5.513G
25	5.449G	26	5.390G	27	5.352G	28	5.440G
29	5.527G	30	5.706G	31	5.484G	32	5.271G
33	5.650G	34	5.382G	35	5.319G	36	5.482G
37	5.467G	38	5.656G	39	5.568G	40	5.346G
41	5.463G	42	5.431G	43	5.292G	44	5.535G
45	5.590G	46	5.310G	47	5.461G	48	5.534G
49	5.344G	50	5.663G	51	5.423G	52	5.267G
53	5.485G	54	5.283G	55	5.479G	56	5.339G
57	5.705G	58	5.374G	59	5.503G	60	5.504G
61	5.679G	62	5.329G	63	5.393G	64	5.362G
65	5.550G	66	5.435G	67	5.327G	68	5.285G
69	5.719G	70	5.360G	71	5.396G	72	5.716G
73	5.284G	74	5.649G	75	5.403G	76	5.426G
77	5.454G	78	5.333G	79	5.468G	80	5.316G
81	5.569G	82	5.553G	83	5.630G	84	5.524G
85	5.637G	86	5.483G	87	5.491G	88	5.713G
89	5.383G	90	5.691G	91	5.465G	92	5.586G
93	5.698G	94	5.289G	95	5.405G	96	5.368G
97	5.272G	98	5.486G	99	5.415G	100	5.502G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.618G	2	5.594G	3	5.536G	4	5.578G
5	5.701G	6	5.356G	7	5.512G	8	5.679G
9	5.304G	10	5.580G	11	5.683G	12	5.624G
13	5.287G	14	5.427G	15	5.443G	16	5.721G
17	5.409G	18	5.558G	19	5.680G	20	5.690G
21	5.419G	22	5.550G	23	5.473G	24	5.365G
25	5.420G	26	5.315G	27	5.331G	28	5.704G
29	5.251G	30	5.366G	31	5.413G	32	5.722G
33	5.436G	34	5.615G	35	5.613G	36	5.555G
37	5.358G	38	5.385G	39	5.708G	40	5.442G
41	5.369G	42	5.349G	43	5.687G	44	5.438G
45	5.448G	46	5.648G	47	5.641G	48	5.519G



49	5.339G	50	5.285G	51	5.259G	52	5.307G
53	5.609G	54	5.676G	55	5.371G	56	5.554G
57	5.457G	58	5.600G	59	5.446G	60	5.288G
61	5.713G	62	5.284G	63	5.476G	64	5.433G
65	5.324G	66	5.663G	67	5.340G	68	5.432G
69	5.484G	70	5.544G	71	5.542G	72	5.503G
73	5.591G	74	5.254G	75	5.274G	76	5.632G
77	5.583G	78	5.333G	79	5.686G	80	5.267G
81	5.383G	82	5.608G	83	5.403G	84	5.327G
85	5.431G	86	5.672G	87	5.529G	88	5.332G
89	5.280G	90	5.343G	91	5.602G	92	5.603G
93	5.374G	94	5.653G	95	5.362G	96	5.719G
97	5.372G	98	5.441G	99	5.699G	100	5.694G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.512G	2	5.417G	3	5.397G	4	5.714G
5	5.516G	6	5.606G	7	5.651G	8	5.665G
9	5.448G	10	5.488G	11	5.355G	12	5.585G
13	5.437G	14	5.539G	15	5.531G	16	5.259G
17	5.588G	18	5.593G	19	5.658G	20	5.308G
21	5.523G	22	5.505G	23	5.275G	24	5.444G
25	5.395G	26	5.625G	27	5.520G	28	5.551G
29	5.498G	30	5.390G	31	5.699G	32	5.515G
33	5.718G	34	5.484G	35	5.643G	36	5.479G
37	5.586G	38	5.502G	39	5.600G	40	5.526G
41	5.705G	42	5.276G	43	5.709G	44	5.464G
45	5.490G	46	5.527G	47	5.472G	48	5.707G
49	5.540G	50	5.281G	51	5.435G	52	5.453G
53	5.577G	54	5.256G	55	5.383G	56	5.326G
57	5.634G	58	5.332G	59	5.343G	60	5.662G
61	5.702G	62	5.459G	63	5.283G	64	5.599G
65	5.470G	66	5.293G	67	5.613G	68	5.671G
69	5.321G	70	5.639G	71	5.689G	72	5.659G
73	5.317G	74	5.254G	75	5.532G	76	5.562G
77	5.421G	78	5.389G	79	5.552G	80	5.712G
81	5.580G	82	5.329G	83	5.450G	84	5.530G
85	5.424G	86	5.619G	87	5.677G	88	5.358G
89	5.340G	90	5.660G	91	5.692G	92	5.564G
93	5.589G	94	5.344G	95	5.265G	96	5.573G
97	5.536G	98	5.382G	99	5.621G	100	5.297G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.566G	2	5.640G	3	5.306G	4	5.651G
5	5.536G	6	5.642G	7	5.301G	8	5.671G
9	5.353G	10	5.276G	11	5.483G	12	5.681G
13	5.720G	14	5.709G	15	5.280G	16	5.367G
17	5.673G	18	5.331G	19	5.288G	20	5.626G
21	5.382G	22	5.505G	23	5.708G	24	5.354G
25	5.591G	26	5.617G	27	5.588G	28	5.652G
29	5.282G	30	5.467G	31	5.477G	32	5.461G
33	5.584G	34	5.665G	35	5.328G	36	5.578G
37	5.530G	38	5.273G	39	5.296G	40	5.544G
41	5.687G	42	5.524G	43	5.264G	44	5.385G
45	5.435G	46	5.466G	47	5.419G	48	5.650G
49	5.320G	50	5.290G	51	5.707G	52	5.514G
53	5.267G	54	5.616G	55	5.533G	56	5.414G
57	5.515G	58	5.496G	59	5.436G	60	5.684G
61	5.388G	62	5.661G	63	5.599G	64	5.410G
65	5.694G	66	5.302G	67	5.416G	68	5.321G
69	5.717G	70	5.491G	71	5.689G	72	5.701G
73	5.712G	74	5.613G	75	5.487G	76	5.393G
77	5.659G	78	5.434G	79	5.299G	80	5.425G
81	5.610G	82	5.257G	83	5.715G	84	5.482G
85	5.572G	86	5.594G	87	5.605G	88	5.520G
89	5.525G	90	5.279G	91	5.322G	92	5.297G
93	5.704G	94	5.705G	95	5.289G	96	5.365G
97	5.372G	98	5.542G	99	5.330G	100	5.454G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.670G	2	5.565G	3	5.697G	4	5.701G
5	5.475G	6	5.414G	7	5.454G	8	5.605G
9	5.538G	10	5.338G	11	5.413G	12	5.427G
13	5.282G	14	5.323G	15	5.305G	16	5.314G
17	5.409G	18	5.508G	19	5.444G	20	5.339G
21	5.416G	22	5.677G	23	5.669G	24	5.626G
25	5.492G	26	5.459G	27	5.252G	28	5.594G
29	5.471G	30	5.315G	31	5.527G	32	5.351G
33	5.534G	34	5.419G	35	5.386G	36	5.370G
37	5.455G	38	5.466G	39	5.445G	40	5.343G
41	5.440G	42	5.687G	43	5.505G	44	5.704G
45	5.261G	46	5.720G	47	5.378G	48	5.629G



49	5.612G	50	5.681G	51	5.477G	52	5.619G
53	5.659G	54	5.639G	55	5.551G	56	5.465G
57	5.279G	58	5.604G	59	5.589G	60	5.568G
61	5.552G	62	5.281G	63	5.469G	64	5.383G
65	5.601G	66	5.374G	67	5.325G	68	5.632G
69	5.624G	70	5.336G	71	5.665G	72	5.312G
73	5.335G	74	5.472G	75	5.707G	76	5.696G
77	5.593G	78	5.718G	79	5.716G	80	5.519G
81	5.380G	82	5.575G	83	5.685G	84	5.306G
85	5.536G	86	5.393G	87	5.457G	88	5.468G
89	5.656G	90	5.628G	91	5.439G	92	5.485G
93	5.280G	94	5.592G	95	5.513G	96	5.537G
97	5.473G	98	5.461G	99	5.567G	100	5.286G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.323G	2	5.545G	3	5.302G	4	5.541G
5	5.320G	6	5.501G	7	5.717G	8	5.358G
9	5.467G	10	5.472G	11	5.523G	12	5.288G
13	5.250G	14	5.397G	15	5.587G	16	5.648G
17	5.532G	18	5.651G	19	5.657G	20	5.282G
21	5.632G	22	5.616G	23	5.309G	24	5.547G
25	5.439G	26	5.607G	27	5.252G	28	5.620G
29	5.527G	30	5.446G	31	5.519G	32	5.349G
33	5.676G	34	5.714G	35	5.709G	36	5.331G
37	5.619G	38	5.583G	39	5.479G	40	5.334G
41	5.352G	42	5.593G	43	5.696G	44	5.448G
45	5.623G	46	5.338G	47	5.712G	48	5.585G
49	5.280G	50	5.485G	51	5.484G	52	5.385G
53	5.468G	54	5.510G	55	5.433G	56	5.354G
57	5.368G	58	5.404G	59	5.319G	60	5.627G
61	5.292G	62	5.303G	63	5.597G	64	5.481G
65	5.514G	66	5.471G	67	5.650G	68	5.693G
69	5.460G	70	5.652G	71	5.574G	72	5.655G
73	5.379G	74	5.416G	75	5.557G	76	5.372G
77	5.344G	78	5.662G	79	5.561G	80	5.447G
81	5.658G	82	5.391G	83	5.560G	84	5.617G
85	5.452G	86	5.464G	87	5.454G	88	5.660G
89	5.706G	90	5.609G	91	5.595G	92	5.671G
93	5.659G	94	5.486G	95	5.602G	96	5.509G
97	5.520G	98	5.477G	99	5.268G	100	5.542G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.427G	2	5.256G	3	5.414G	4	5.397G
5	5.272G	6	5.551G	7	5.297G	8	5.486G
9	5.633G	10	5.380G	11	5.709G	12	5.613G
13	5.673G	14	5.564G	15	5.273G	16	5.365G
17	5.330G	18	5.470G	19	5.433G	20	5.700G
21	5.479G	22	5.702G	23	5.315G	24	5.274G
25	5.538G	26	5.576G	27	5.558G	28	5.635G
29	5.692G	30	5.672G	31	5.356G	32	5.508G
33	5.559G	34	5.271G	35	5.498G	36	5.312G
37	5.631G	38	5.495G	39	5.260G	40	5.640G
41	5.501G	42	5.382G	43	5.307G	44	5.446G
45	5.497G	46	5.322G	47	5.575G	48	5.445G
49	5.666G	50	5.313G	51	5.682G	52	5.514G
53	5.464G	54	5.428G	55	5.489G	56	5.460G
57	5.386G	58	5.660G	59	5.509G	60	5.402G
61	5.542G	62	5.602G	63	5.381G	64	5.693G
65	5.458G	66	5.591G	67	5.481G	68	5.541G
69	5.476G	70	5.430G	71	5.492G	72	5.499G
73	5.282G	74	5.595G	75	5.349G	76	5.678G
77	5.719G	78	5.276G	79	5.385G	80	5.667G
81	5.712G	82	5.294G	83	5.665G	84	5.614G
85	5.323G	86	5.705G	87	5.607G	88	5.505G
89	5.478G	90	5.444G	91	5.543G	92	5.358G
93	5.627G	94	5.451G	95	5.344G	96	5.277G
97	5.268G	98	5.387G	99	5.370G	100	5.255G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.327G	2	5.406G	3	5.332G	4	5.373G
5	5.433G	6	5.435G	7	5.536G	8	5.579G
9	5.368G	10	5.407G	11	5.549G	12	5.454G
13	5.681G	14	5.316G	15	5.367G	16	5.444G
17	5.377G	18	5.510G	19	5.505G	20	5.369G
21	5.658G	22	5.473G	23	5.558G	24	5.372G
25	5.587G	26	5.595G	27	5.307G	28	5.460G
29	5.644G	30	5.285G	31	5.690G	32	5.490G
33	5.591G	34	5.696G	35	5.491G	36	5.298G
37	5.674G	38	5.262G	39	5.388G	40	5.685G
41	5.468G	42	5.290G	43	5.682G	44	5.443G
45	5.446G	46	5.477G	47	5.340G	48	5.706G



49	5.423G	50	5.704G	51	5.374G	52	5.295G
53	5.513G	54	5.352G	55	5.429G	56	5.679G
57	5.458G	58	5.382G	59	5.661G	60	5.353G
61	5.349G	62	5.317G	63	5.705G	64	5.672G
65	5.609G	66	5.414G	67	5.260G	68	5.497G
69	5.488G	70	5.590G	71	5.555G	72	5.552G
73	5.263G	74	5.647G	75	5.313G	76	5.264G
77	5.416G	78	5.475G	79	5.385G	80	5.633G
81	5.261G	82	5.254G	83	5.712G	84	5.489G
85	5.284G	86	5.418G	87	5.440G	88	5.560G
89	5.627G	90	5.451G	91	5.569G	92	5.329G
93	5.485G	94	5.312G	95	5.619G	96	5.378G
97	5.547G	98	5.400G	99	5.347G	100	5.292G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.595G	2	5.346G	3	5.412G	4	5.606G
5	5.341G	6	5.256G	7	5.665G	8	5.711G
9	5.675G	10	5.608G	11	5.712G	12	5.594G
13	5.581G	14	5.698G	15	5.471G	16	5.628G
17	5.708G	18	5.680G	19	5.664G	20	5.601G
21	5.370G	22	5.442G	23	5.690G	24	5.351G
25	5.277G	26	5.651G	27	5.407G	28	5.283G
29	5.503G	30	5.357G	31	5.452G	32	5.355G
33	5.276G	34	5.563G	35	5.589G	36	5.519G
37	5.468G	38	5.584G	39	5.501G	40	5.300G
41	5.333G	42	5.439G	43	5.656G	44	5.345G
45	5.318G	46	5.342G	47	5.379G	48	5.576G
49	5.525G	50	5.721G	51	5.421G	52	5.448G
53	5.717G	54	5.554G	55	5.279G	56	5.486G
57	5.321G	58	5.467G	59	5.661G	60	5.545G
61	5.489G	62	5.539G	63	5.561G	64	5.409G
65	5.428G	66	5.372G	67	5.299G	68	5.463G
69	5.534G	70	5.538G	71	5.309G	72	5.670G
73	5.384G	74	5.715G	75	5.273G	76	5.571G
77	5.718G	78	5.457G	79	5.453G	80	5.399G
81	5.502G	82	5.645G	83	5.460G	84	5.328G
85	5.526G	86	5.308G	87	5.396G	88	5.447G
89	5.371G	90	5.565G	91	5.324G	92	5.281G
93	5.416G	94	5.451G	95	5.349G	96	5.540G
97	5.485G	98	5.362G	99	5.323G	100	5.367G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.352G	2	5.344G	3	5.366G	4	5.627G
5	5.679G	6	5.515G	7	5.619G	8	5.484G
9	5.331G	10	5.365G	11	5.448G	12	5.468G
13	5.567G	14	5.279G	15	5.467G	16	5.558G
17	5.474G	18	5.390G	19	5.350G	20	5.496G
21	5.456G	22	5.419G	23	5.596G	24	5.710G
25	5.609G	26	5.445G	27	5.258G	28	5.492G
29	5.637G	30	5.325G	31	5.436G	32	5.452G
33	5.402G	34	5.543G	35	5.597G	36	5.294G
37	5.701G	38	5.611G	39	5.521G	40	5.368G
41	5.336G	42	5.482G	43	5.545G	44	5.708G
45	5.590G	46	5.300G	47	5.678G	48	5.370G
49	5.367G	50	5.555G	51	5.287G	52	5.594G
53	5.638G	54	5.363G	55	5.562G	56	5.635G
57	5.643G	58	5.437G	59	5.394G	60	5.425G
61	5.655G	62	5.480G	63	5.306G	64	5.486G
65	5.697G	66	5.348G	67	5.469G	68	5.396G
69	5.359G	70	5.568G	71	5.696G	72	5.356G
73	5.591G	74	5.656G	75	5.401G	76	5.343G
77	5.267G	78	5.560G	79	5.630G	80	5.691G
81	5.622G	82	5.660G	83	5.534G	84	5.362G
85	5.310G	86	5.337G	87	5.720G	88	5.355G
89	5.304G	90	5.339G	91	5.690G	92	5.312G
93	5.624G	94	5.592G	95	5.674G	96	5.420G
97	5.536G	98	5.648G	99	5.488G	100	5.385G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.421G	2	5.293G	3	5.491G	4	5.448G
5	5.608G	6	5.591G	7	5.613G	8	5.678G
9	5.419G	10	5.695G	11	5.288G	12	5.480G
13	5.528G	14	5.541G	15	5.693G	16	5.436G
17	5.668G	18	5.408G	19	5.576G	20	5.595G
21	5.651G	22	5.680G	23	5.653G	24	5.324G
25	5.399G	26	5.605G	27	5.409G	28	5.342G
29	5.410G	30	5.336G	31	5.337G	32	5.348G
33	5.369G	34	5.446G	35	5.259G	36	5.635G
37	5.476G	38	5.609G	39	5.340G	40	5.278G
41	5.303G	42	5.251G	43	5.359G	44	5.401G
45	5.468G	46	5.548G	47	5.551G	48	5.587G



49	5.439G	50	5.371G	51	5.720G	52	5.329G
53	5.628G	54	5.615G	55	5.379G	56	5.643G
57	5.400G	58	5.341G	59	5.463G	60	5.260G
61	5.412G	62	5.592G	63	5.258G	64	5.453G
65	5.374G	66	5.568G	67	5.357G	68	5.522G
69	5.311G	70	5.641G	71	5.368G	72	5.535G
73	5.500G	74	5.604G	75	5.580G	76	5.509G
77	5.428G	78	5.633G	79	5.483G	80	5.380G
81	5.555G	82	5.416G	83	5.430G	84	5.525G
85	5.390G	86	5.442G	87	5.300G	88	5.585G
89	5.669G	90	5.414G	91	5.277G	92	5.631G
93	5.564G	94	5.411G	95	5.629G	96	5.346G
97	5.625G	98	5.694G	99	5.320G	100	5.271G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.456G	2	5.376G	3	5.709G	4	5.287G
5	5.584G	6	5.331G	7	5.496G	8	5.390G
9	5.582G	10	5.634G	11	5.611G	12	5.598G
13	5.489G	14	5.473G	15	5.516G	16	5.490G
17	5.457G	18	5.563G	19	5.555G	20	5.676G
21	5.514G	22	5.682G	23	5.551G	24	5.363G
25	5.710G	26	5.482G	27	5.271G	28	5.560G
29	5.267G	30	5.600G	31	5.587G	32	5.395G
33	5.723G	34	5.688G	35	5.534G	36	5.387G
37	5.425G	38	5.275G	39	5.377G	40	5.394G
41	5.325G	42	5.513G	43	5.413G	44	5.266G
45	5.601G	46	5.362G	47	5.484G	48	5.426G
49	5.628G	50	5.671G	51	5.596G	52	5.693G
53	5.615G	54	5.374G	55	5.696G	56	5.320G
57	5.342G	58	5.312G	59	5.595G	60	5.660G
61	5.406G	62	5.698G	63	5.463G	64	5.694G
65	5.613G	66	5.589G	67	5.525G	68	5.662G
69	5.461G	70	5.436G	71	5.526G	72	5.714G
73	5.697G	74	5.527G	75	5.255G	76	5.440G
77	5.648G	78	5.599G	79	5.405G	80	5.420G
81	5.380G	82	5.669G	83	5.591G	84	5.272G
85	5.586G	86	5.281G	87	5.618G	88	5.340G
89	5.437G	90	5.257G	91	5.460G	92	5.321G
93	5.317G	94	5.561G	95	5.539G	96	5.531G
97	5.408G	98	5.366G	99	5.372G	100	5.298G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.609G	2	5.289G	3	5.291G	4	5.272G
5	5.327G	6	5.718G	7	5.286G	8	5.448G
9	5.326G	10	5.652G	11	5.348G	12	5.343G
13	5.670G	14	5.320G	15	5.455G	16	5.683G
17	5.573G	18	5.356G	19	5.414G	20	5.490G
21	5.351G	22	5.334G	23	5.523G	24	5.352G
25	5.480G	26	5.255G	27	5.695G	28	5.388G
29	5.649G	30	5.468G	31	5.279G	32	5.368G
33	5.685G	34	5.447G	35	5.546G	36	5.483G
37	5.626G	38	5.648G	39	5.663G	40	5.384G
41	5.406G	42	5.669G	43	5.471G	44	5.724G
45	5.542G	46	5.373G	47	5.330G	48	5.646G
49	5.296G	50	5.252G	51	5.625G	52	5.478G
53	5.497G	54	5.600G	55	5.410G	56	5.692G
57	5.665G	58	5.440G	59	5.563G	60	5.337G
61	5.256G	62	5.361G	63	5.374G	64	5.558G
65	5.450G	66	5.366G	67	5.525G	68	5.261G
69	5.701G	70	5.620G	71	5.666G	72	5.672G
73	5.570G	74	5.709G	75	5.708G	76	5.641G
77	5.614G	78	5.713G	79	5.485G	80	5.588G
81	5.328G	82	5.616G	83	5.267G	84	5.270G
85	5.643G	86	5.673G	87	5.283G	88	5.647G
89	5.661G	90	5.341G	91	5.451G	92	5.586G
93	5.653G	94	5.612G	95	5.329G	96	5.268G
97	5.517G	98	5.273G	99	5.265G	100	5.358G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.578G	2	5.615G	3	5.356G	4	5.697G
5	5.279G	6	5.546G	7	5.591G	8	5.406G
9	5.556G	10	5.283G	11	5.386G	12	5.295G
13	5.354G	14	5.512G	15	5.672G	16	5.543G
17	5.358G	18	5.326G	19	5.530G	20	5.277G
21	5.706G	22	5.412G	23	5.472G	24	5.361G
25	5.446G	26	5.684G	27	5.387G	28	5.475G
29	5.654G	30	5.466G	31	5.574G	32	5.314G
33	5.510G	34	5.388G	35	5.709G	36	5.713G
37	5.550G	38	5.541G	39	5.450G	40	5.536G
41	5.704G	42	5.710G	43	5.636G	44	5.694G
45	5.695G	46	5.712G	47	5.463G	48	5.273G



49	5.633G	50	5.686G	51	5.595G	52	5.583G
53	5.598G	54	5.676G	55	5.606G	56	5.690G
57	5.336G	58	5.465G	59	5.660G	60	5.504G
61	5.294G	62	5.600G	63	5.349G	64	5.707G
65	5.434G	66	5.665G	67	5.552G	68	5.292G
69	5.689G	70	5.593G	71	5.533G	72	5.275G
73	5.518G	74	5.321G	75	5.544G	76	5.407G
77	5.310G	78	5.639G	79	5.699G	80	5.303G
81	5.438G	82	5.468G	83	5.661G	84	5.664G
85	5.370G	86	5.651G	87	5.254G	88	5.611G
89	5.722G	90	5.373G	91	5.286G	92	5.685G
93	5.561G	94	5.496G	95	5.490G	96	5.638G
97	5.678G	98	5.612G	99	5.272G	100	5.337G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.377G	2	5.274G	3	5.657G	4	5.704G
5	5.699G	6	5.634G	7	5.652G	8	5.566G
9	5.480G	10	5.617G	11	5.468G	12	5.322G
13	5.575G	14	5.432G	15	5.254G	16	5.291G
17	5.391G	18	5.703G	19	5.686G	20	5.362G
21	5.353G	22	5.664G	23	5.420G	24	5.596G
25	5.452G	26	5.574G	27	5.371G	28	5.259G
29	5.497G	30	5.607G	31	5.524G	32	5.385G
33	5.467G	34	5.567G	35	5.438G	36	5.576G
37	5.661G	38	5.401G	39	5.323G	40	5.488G
41	5.400G	42	5.668G	43	5.481G	44	5.691G
45	5.637G	46	5.478G	47	5.386G	48	5.412G
49	5.536G	50	5.311G	51	5.516G	52	5.292G
53	5.487G	54	5.357G	55	5.707G	56	5.267G
57	5.485G	58	5.510G	59	5.589G	60	5.585G
61	5.304G	62	5.527G	63	5.389G	64	5.384G
65	5.518G	66	5.250G	67	5.294G	68	5.446G
69	5.289G	70	5.440G	71	5.355G	72	5.643G
73	5.581G	74	5.720G	75	5.696G	76	5.302G
77	5.402G	78	5.466G	79	5.519G	80	5.429G
81	5.266G	82	5.424G	83	5.715G	84	5.619G
85	5.665G	86	5.458G	87	5.722G	88	5.320G
89	5.560G	90	5.425G	91	5.537G	92	5.603G
93	5.613G	94	5.360G	95	5.258G	96	5.263G
97	5.312G	98	5.341G	99	5.414G	100	5.645G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.578G	2	5.591G	3	5.606G	4	5.446G
5	5.572G	6	5.655G	7	5.646G	8	5.314G
9	5.537G	10	5.317G	11	5.461G	12	5.617G
13	5.459G	14	5.562G	15	5.418G	16	5.398G
17	5.599G	18	5.433G	19	5.674G	20	5.666G
21	5.709G	22	5.505G	23	5.319G	24	5.549G
25	5.570G	26	5.491G	27	5.360G	28	5.697G
29	5.359G	30	5.641G	31	5.333G	32	5.680G
33	5.250G	34	5.427G	35	5.612G	36	5.471G
37	5.323G	38	5.649G	39	5.623G	40	5.659G
41	5.320G	42	5.254G	43	5.695G	44	5.644G
45	5.642G	46	5.452G	47	5.365G	48	5.690G
49	5.426G	50	5.368G	51	5.509G	52	5.483G
53	5.338G	54	5.658G	55	5.596G	56	5.692G
57	5.295G	58	5.722G	59	5.665G	60	5.524G
61	5.401G	62	5.269G	63	5.326G	64	5.708G
65	5.355G	66	5.564G	67	5.681G	68	5.477G
69	5.431G	70	5.373G	71	5.346G	72	5.468G
73	5.352G	74	5.400G	75	5.600G	76	5.340G
77	5.607G	78	5.645G	79	5.668G	80	5.499G
81	5.318G	82	5.445G	83	5.285G	84	5.256G
85	5.587G	86	5.473G	87	5.399G	88	5.441G
89	5.643G	90	5.310G	91	5.357G	92	5.465G
93	5.526G	94	5.458G	95	5.693G	96	5.630G
97	5.508G	98	5.347G	99	5.582G	100	5.550G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.468G	2	5.470G	3	5.579G	4	5.320G
5	5.649G	6	5.425G	7	5.367G	8	5.274G
9	5.462G	10	5.339G	11	5.455G	12	5.297G
13	5.599G	14	5.256G	15	5.428G	16	5.595G
17	5.559G	18	5.357G	19	5.262G	20	5.360G
21	5.499G	22	5.430G	23	5.389G	24	5.354G
25	5.429G	26	5.492G	27	5.666G	28	5.512G
29	5.289G	30	5.363G	31	5.621G	32	5.658G
33	5.447G	34	5.273G	35	5.695G	36	5.608G
37	5.485G	38	5.557G	39	5.446G	40	5.419G
41	5.661G	42	5.625G	43	5.449G	44	5.612G
45	5.500G	46	5.699G	47	5.655G	48	5.376G



49	5.270G	50	5.696G	51	5.400G	52	5.309G
53	5.254G	54	5.458G	55	5.316G	56	5.441G
57	5.723G	58	5.439G	59	5.411G	60	5.677G
61	5.623G	62	5.490G	63	5.397G	64	5.461G
65	5.590G	66	5.415G	67	5.469G	68	5.351G
69	5.710G	70	5.703G	71	5.317G	72	5.632G
73	5.396G	74	5.375G	75	5.646G	76	5.294G
77	5.335G	78	5.416G	79	5.601G	80	5.292G
81	5.329G	82	5.407G	83	5.660G	84	5.486G
85	5.511G	86	5.701G	87	5.558G	88	5.693G
89	5.510G	90	5.627G	91	5.565G	92	5.706G
93	5.323G	94	5.279G	95	5.497G	96	5.420G
97	5.314G	98	5.451G	99	5.603G	100	5.546G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.699G	2	5.353G	3	5.436G	4	5.675G
5	5.496G	6	5.348G	7	5.366G	8	5.373G
9	5.259G	10	5.476G	11	5.558G	12	5.542G
13	5.290G	14	5.251G	15	5.603G	16	5.250G
17	5.424G	18	5.415G	19	5.614G	20	5.324G
21	5.422G	22	5.405G	23	5.549G	24	5.617G
25	5.517G	26	5.500G	27	5.368G	28	5.663G
29	5.365G	30	5.299G	31	5.553G	32	5.390G
33	5.588G	34	5.352G	35	5.377G	36	5.591G
37	5.696G	38	5.302G	39	5.719G	40	5.343G
41	5.670G	42	5.626G	43	5.427G	44	5.265G
45	5.657G	46	5.687G	47	5.417G	48	5.685G
49	5.409G	50	5.261G	51	5.449G	52	5.592G
53	5.535G	54	5.470G	55	5.692G	56	5.666G
57	5.309G	58	5.313G	59	5.411G	60	5.361G
61	5.514G	62	5.450G	63	5.443G	64	5.713G
65	5.314G	66	5.659G	67	5.256G	68	5.702G
69	5.253G	70	5.399G	71	5.372G	72	5.669G
73	5.700G	74	5.648G	75	5.677G	76	5.720G
77	5.335G	78	5.468G	79	5.331G	80	5.257G
81	5.357G	82	5.611G	83	5.281G	84	5.541G
85	5.341G	86	5.587G	87	5.326G	88	5.310G
89	5.536G	90	5.350G	91	5.600G	92	5.584G
93	5.305G	94	5.273G	95	5.325G	96	5.532G
97	5.391G	98	5.643G	99	5.258G	100	5.344G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.320G	2	5.684G	3	5.424G	4	5.326G
5	5.547G	6	5.690G	7	5.327G	8	5.558G
9	5.444G	10	5.532G	11	5.692G	12	5.610G
13	5.623G	14	5.515G	15	5.561G	16	5.653G
17	5.377G	18	5.328G	19	5.464G	20	5.280G
21	5.389G	22	5.534G	23	5.404G	24	5.285G
25	5.263G	26	5.611G	27	5.563G	28	5.575G
29	5.278G	30	5.306G	31	5.693G	32	5.544G
33	5.721G	34	5.451G	35	5.439G	36	5.335G
37	5.495G	38	5.660G	39	5.374G	40	5.429G
41	5.427G	42	5.520G	43	5.329G	44	5.490G
45	5.595G	46	5.606G	47	5.541G	48	5.586G
49	5.282G	50	5.312G	51	5.678G	52	5.717G
53	5.321G	54	5.378G	55	5.724G	56	5.662G
57	5.533G	58	5.354G	59	5.430G	60	5.603G
61	5.341G	62	5.723G	63	5.719G	64	5.538G
65	5.369G	66	5.298G	67	5.681G	68	5.333G
69	5.618G	70	5.268G	71	5.296G	72	5.492G
73	5.546G	74	5.292G	75	5.407G	76	5.455G
77	5.253G	78	5.599G	79	5.338G	80	5.471G
81	5.353G	82	5.716G	83	5.266G	84	5.416G
85	5.554G	86	5.664G	87	5.337G	88	5.489G
89	5.259G	90	5.511G	91	5.453G	92	5.698G
93	5.636G	94	5.339G	95	5.408G	96	5.637G
97	5.308G	98	5.674G	99	5.609G	100	5.553G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.533G	2	5.475G	3	5.401G	4	5.338G
5	5.430G	6	5.469G	7	5.467G	8	5.668G
9	5.709G	10	5.521G	11	5.687G	12	5.714G
13	5.599G	14	5.384G	15	5.621G	16	5.417G
17	5.369G	18	5.535G	19	5.571G	20	5.598G
21	5.672G	22	5.337G	23	5.542G	24	5.674G
25	5.319G	26	5.496G	27	5.311G	28	5.389G
29	5.518G	30	5.359G	31	5.670G	32	5.289G
33	5.453G	34	5.706G	35	5.699G	36	5.323G
37	5.565G	38	5.527G	39	5.701G	40	5.722G
41	5.569G	42	5.636G	43	5.456G	44	5.420G
45	5.675G	46	5.434G	47	5.632G	48	5.256G



49	5.609G	50	5.654G	51	5.445G	52	5.326G
53	5.348G	54	5.528G	55	5.500G	56	5.574G
57	5.715G	58	5.393G	59	5.450G	60	5.343G
61	5.713G	62	5.327G	63	5.412G	64	5.619G
65	5.647G	66	5.441G	67	5.285G	68	5.307G
69	5.605G	70	5.286G	71	5.589G	72	5.512G
73	5.498G	74	5.291G	75	5.622G	76	5.273G
77	5.580G	78	5.363G	79	5.702G	80	5.696G
81	5.309G	82	5.547G	83	5.627G	84	5.371G
85	5.303G	86	5.403G	87	5.607G	88	5.296G
89	5.548G	90	5.383G	91	5.272G	92	5.443G
93	5.438G	94	5.484G	95	5.505G	96	5.432G
97	5.347G	98	5.661G	99	5.385G	100	5.663G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.618G	2	5.621G	3	5.538G	4	5.456G
5	5.568G	6	5.362G	7	5.492G	8	5.657G
9	5.587G	10	5.501G	11	5.284G	12	5.558G
13	5.301G	14	5.271G	15	5.317G	16	5.601G
17	5.400G	18	5.255G	19	5.327G	20	5.276G
21	5.475G	22	5.393G	23	5.430G	24	5.419G
25	5.263G	26	5.585G	27	5.435G	28	5.479G
29	5.595G	30	5.322G	31	5.561G	32	5.678G
33	5.549G	34	5.630G	35	5.404G	36	5.631G
37	5.396G	38	5.432G	39	5.298G	40	5.340G
41	5.355G	42	5.332G	43	5.683G	44	5.629G
45	5.660G	46	5.391G	47	5.266G	48	5.704G
49	5.338G	50	5.486G	51	5.546G	52	5.697G
53	5.576G	54	5.275G	55	5.481G	56	5.388G
57	5.333G	58	5.398G	59	5.434G	60	5.556G
61	5.443G	62	5.254G	63	5.499G	64	5.513G
65	5.420G	66	5.406G	67	5.663G	68	5.369G
69	5.348G	70	5.282G	71	5.712G	72	5.305G
73	5.547G	74	5.402G	75	5.349G	76	5.470G
77	5.707G	78	5.599G	79	5.451G	80	5.642G
81	5.722G	82	5.371G	83	5.699G	84	5.565G
85	5.381G	86	5.421G	87	5.445G	88	5.625G
89	5.623G	90	5.258G	91	5.542G	92	5.581G
93	5.696G	94	5.313G	95	5.706G	96	5.436G
97	5.591G	98	5.584G	99	5.307G	100	5.530G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.631G	2	5.613G	3	5.272G	4	5.256G
5	5.656G	6	5.307G	7	5.465G	8	5.427G
9	5.504G	10	5.671G	11	5.487G	12	5.441G
13	5.425G	14	5.695G	15	5.699G	16	5.388G
17	5.506G	18	5.363G	19	5.553G	20	5.250G
21	5.544G	22	5.597G	23	5.389G	24	5.708G
25	5.339G	26	5.362G	27	5.526G	28	5.585G
29	5.383G	30	5.616G	31	5.665G	32	5.426G
33	5.304G	34	5.641G	35	5.284G	36	5.573G
37	5.321G	38	5.464G	39	5.705G	40	5.411G
41	5.352G	42	5.710G	43	5.405G	44	5.340G
45	5.635G	46	5.617G	47	5.474G	48	5.262G
49	5.473G	50	5.521G	51	5.357G	52	5.316G
53	5.604G	54	5.406G	55	5.344G	56	5.646G
57	5.380G	58	5.531G	59	5.669G	60	5.253G
61	5.324G	62	5.659G	63	5.554G	64	5.501G
65	5.523G	66	5.693G	67	5.619G	68	5.489G
69	5.700G	70	5.448G	71	5.310G	72	5.667G
73	5.295G	74	5.580G	75	5.591G	76	5.263G
77	5.653G	78	5.376G	79	5.299G	80	5.530G
81	5.266G	82	5.578G	83	5.451G	84	5.679G
85	5.517G	86	5.302G	87	5.348G	88	5.678G
89	5.547G	90	5.276G	91	5.322G	92	5.440G
93	5.351G	94	5.567G	95	5.535G	96	5.292G
97	5.555G	98	5.584G	99	5.335G	100	5.377G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.618G	2	5.256G	3	5.396G	4	5.670G
5	5.308G	6	5.455G	7	5.410G	8	5.339G
9	5.286G	10	5.716G	11	5.694G	12	5.686G
13	5.588G	14	5.534G	15	5.581G	16	5.521G
17	5.683G	18	5.437G	19	5.637G	20	5.529G
21	5.713G	22	5.378G	23	5.343G	24	5.568G
25	5.325G	26	5.450G	27	5.604G	28	5.413G
29	5.587G	30	5.382G	31	5.338G	32	5.334G
33	5.383G	34	5.633G	35	5.597G	36	5.374G
37	5.453G	38	5.368G	39	5.273G	40	5.474G



41	5.292G	42	5.488G	43	5.646G	44	5.275G
45	5.487G	46	5.574G	47	5.336G	48	5.596G
49	5.294G	50	5.257G	51	5.583G	52	5.592G
53	5.678G	54	5.543G	55	5.619G	56	5.635G
57	5.544G	58	5.549G	59	5.254G	60	5.690G
61	5.389G	62	5.504G	63	5.255G	64	5.530G
65	5.417G	66	5.632G	67	5.606G	68	5.594G
69	5.631G	70	5.720G	71	5.523G	72	5.341G
73	5.420G	74	5.261G	75	5.340G	76	5.400G
77	5.722G	78	5.573G	79	5.439G	80	5.599G
81	5.704G	82	5.486G	83	5.328G	84	5.310G
85	5.643G	86	5.388G	87	5.676G	88	5.335G
89	5.370G	90	5.497G	91	5.541G	92	5.384G
93	5.279G	94	5.304G	95	5.466G	96	5.372G
97	5.701G	98	5.494G	99	5.321G	100	5.518G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.575G	2	5.702G	3	5.439G	4	5.281G
5	5.466G	6	5.293G	7	5.462G	8	5.558G
9	5.582G	10	5.261G	11	5.478G	12	5.622G
13	5.630G	14	5.406G	15	5.256G	16	5.437G
17	5.511G	18	5.595G	19	5.619G	20	5.557G
21	5.379G	22	5.424G	23	5.273G	24	5.299G
25	5.696G	26	5.277G	27	5.374G	28	5.343G
29	5.510G	30	5.464G	31	5.544G	32	5.417G
33	5.311G	34	5.407G	35	5.546G	36	5.315G
37	5.514G	38	5.371G	39	5.516G	40	5.512G
41	5.286G	42	5.305G	43	5.397G	44	5.613G
45	5.250G	46	5.692G	47	5.691G	48	5.483G
49	5.283G	50	5.578G	51	5.347G	52	5.358G
53	5.545G	54	5.336G	55	5.418G	56	5.445G
57	5.426G	58	5.631G	59	5.658G	60	5.275G
61	5.340G	62	5.405G	63	5.457G	64	5.682G
65	5.620G	66	5.317G	67	5.695G	68	5.285G
69	5.280G	70	5.294G	71	5.310G	72	5.265G
73	5.291G	74	5.392G	75	5.454G	76	5.440G
77	5.268G	78	5.705G	79	5.475G	80	5.707G
81	5.266G	82	5.603G	83	5.571G	84	5.394G
85	5.486G	86	5.271G	87	5.560G	88	5.518G
89	5.284G	90	5.711G	91	5.338G	92	5.648G
93	5.337G	94	5.554G	95	5.600G	96	5.496G
97	5.364G	98	5.680G	99	5.360G	100	5.330G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.425G	2	5.657G	3	5.440G	4	5.497G
5	5.568G	6	5.275G	7	5.550G	8	5.474G
9	5.479G	10	5.532G	11	5.457G	12	5.315G
13	5.637G	14	5.707G	15	5.638G	16	5.650G
17	5.467G	18	5.381G	19	5.422G	20	5.483G
21	5.690G	22	5.277G	23	5.684G	24	5.498G
25	5.388G	26	5.341G	27	5.347G	28	5.269G
29	5.646G	30	5.270G	31	5.485G	32	5.724G
33	5.543G	34	5.603G	35	5.655G	36	5.473G
37	5.686G	38	5.648G	39	5.273G	40	5.546G
41	5.460G	42	5.405G	43	5.607G	44	5.410G
45	5.301G	46	5.265G	47	5.397G	48	5.569G
49	5.434G	50	5.360G	51	5.612G	52	5.656G
53	5.619G	54	5.628G	55	5.398G	56	5.447G
57	5.346G	58	5.328G	59	5.342G	60	5.450G
61	5.383G	62	5.306G	63	5.285G	64	5.645G
65	5.505G	66	5.260G	67	5.394G	68	5.411G
69	5.668G	70	5.356G	71	5.354G	72	5.663G
73	5.509G	74	5.377G	75	5.669G	76	5.477G
77	5.691G	78	5.437G	79	5.491G	80	5.409G
81	5.670G	82	5.613G	83	5.454G	84	5.537G
85	5.487G	86	5.329G	87	5.661G	88	5.333G
89	5.676G	90	5.312G	91	5.480G	92	5.499G
93	5.511G	94	5.406G	95	5.623G	96	5.386G
97	5.664G	98	5.594G	99	5.625G	100	5.262G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.429G	2	5.633G	3	5.487G	4	5.646G
5	5.538G	6	5.418G	7	5.587G	8	5.312G
9	5.523G	10	5.563G	11	5.724G	12	5.309G
13	5.254G	14	5.490G	15	5.654G	16	5.688G
17	5.382G	18	5.390G	19	5.622G	20	5.711G
21	5.544G	22	5.287G	23	5.331G	24	5.644G
25	5.282G	26	5.365G	27	5.438G	28	5.571G
29	5.674G	30	5.355G	31	5.548G	32	5.456G
33	5.335G	34	5.266G	35	5.481G	36	5.687G
37	5.384G	38	5.300G	39	5.403G	40	5.543G
41	5.660G	42	5.551G	43	5.443G	44	5.650G
45	5.664G	46	5.269G	47	5.339G	48	5.330G
49	5.679G	50	5.414G	51	5.478G	52	5.431G
53	5.496G	54	5.706G	55	5.675G	56	5.558G



57	5.611G	58	5.337G	59	5.704G	60	5.491G
61	5.290G	62	5.578G	63	5.375G	64	5.673G
65	5.415G	66	5.623G	67	5.509G	68	5.663G
69	5.332G	70	5.427G	71	5.250G	72	5.475G
73	5.522G	74	5.517G	75	5.556G	76	5.620G
77	5.601G	78	5.432G	79	5.697G	80	5.684G
81	5.425G	82	5.388G	83	5.514G	84	5.304G
85	5.511G	86	5.360G	87	5.376G	88	5.636G
89	5.708G	90	5.718G	91	5.499G	92	5.373G
93	5.621G	94	5.398G	95	5.521G	96	5.383G
97	5.338G	98	5.693G	99	5.550G	100	5.615G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.495G	2	5.652G	3	5.566G	4	5.609G
5	5.425G	6	5.640G	7	5.720G	8	5.437G
9	5.707G	10	5.612G	11	5.658G	12	5.591G
13	5.455G	14	5.284G	15	5.610G	16	5.394G
17	5.688G	18	5.505G	19	5.611G	20	5.629G
21	5.671G	22	5.645G	23	5.483G	24	5.441G
25	5.488G	26	5.363G	27	5.396G	28	5.702G
29	5.321G	30	5.595G	31	5.269G	32	5.593G
33	5.277G	34	5.274G	35	5.588G	36	5.262G
37	5.281G	38	5.329G	39	5.307G	40	5.690G
41	5.287G	42	5.251G	43	5.670G	44	5.550G
45	5.557G	46	5.471G	47	5.605G	48	5.440G
49	5.653G	50	5.377G	51	5.473G	52	5.517G
53	5.644G	54	5.534G	55	5.547G	56	5.577G
57	5.388G	58	5.385G	59	5.533G	60	5.703G
61	5.290G	62	5.312G	63	5.315G	64	5.333G
65	5.357G	66	5.299G	67	5.334G	68	5.518G
69	5.622G	70	5.704G	71	5.586G	72	5.392G
73	5.666G	74	5.322G	75	5.313G	76	5.525G
77	5.433G	78	5.479G	79	5.639G	80	5.457G
81	5.683G	82	5.596G	83	5.502G	84	5.410G
85	5.607G	86	5.549G	87	5.272G	88	5.349G
89	5.466G	90	5.359G	91	5.311G	92	5.382G
93	5.634G	94	5.278G	95	5.296G	96	5.567G
97	5.576G	98	5.573G	99	5.294G	100	5.443G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.631G	2	5.286G	3	5.403G	4	5.596G
5	5.311G	6	5.327G	7	5.314G	8	5.438G
9	5.373G	10	5.626G	11	5.444G	12	5.413G
13	5.302G	14	5.686G	15	5.303G	16	5.477G
17	5.272G	18	5.267G	19	5.695G	20	5.427G
21	5.268G	22	5.440G	23	5.323G	24	5.576G
25	5.669G	26	5.405G	27	5.422G	28	5.547G
29	5.559G	30	5.515G	31	5.322G	32	5.534G
33	5.402G	34	5.538G	35	5.586G	36	5.690G
37	5.475G	38	5.372G	39	5.688G	40	5.439G
41	5.591G	42	5.256G	43	5.390G	44	5.478G
45	5.281G	46	5.620G	47	5.306G	48	5.708G
49	5.319G	50	5.619G	51	5.625G	52	5.254G
53	5.480G	54	5.350G	55	5.474G	56	5.489G
57	5.502G	58	5.706G	59	5.641G	60	5.678G
61	5.524G	62	5.443G	63	5.429G	64	5.509G
65	5.614G	66	5.315G	67	5.466G	68	5.700G
69	5.361G	70	5.447G	71	5.552G	72	5.638G
73	5.419G	74	5.415G	75	5.462G	76	5.255G
77	5.261G	78	5.420G	79	5.265G	80	5.343G
81	5.473G	82	5.575G	83	5.396G	84	5.320G
85	5.298G	86	5.610G	87	5.609G	88	5.275G
89	5.704G	90	5.471G	91	5.607G	92	5.386G
93	5.569G	94	5.304G	95	5.597G	96	5.658G
97	5.257G	98	5.316G	99	5.519G	100	5.647G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.700G	2	5.495G	3	5.467G	4	5.284G
5	5.663G	6	5.542G	7	5.670G	8	5.388G
9	5.576G	10	5.499G	11	5.441G	12	5.444G
13	5.328G	14	5.334G	15	5.407G	16	5.298G
17	5.686G	18	5.380G	19	5.651G	20	5.329G
21	5.434G	22	5.655G	23	5.430G	24	5.469G
25	5.649G	26	5.632G	27	5.678G	28	5.408G
29	5.331G	30	5.509G	31	5.269G	32	5.424G
33	5.563G	34	5.419G	35	5.409G	36	5.391G
37	5.425G	38	5.301G	39	5.578G	40	5.414G
41	5.323G	42	5.311G	43	5.313G	44	5.406G
45	5.389G	46	5.538G	47	5.592G	48	5.688G



49	5.272G	50	5.653G	51	5.305G	52	5.537G
53	5.702G	54	5.433G	55	5.616G	56	5.382G
57	5.642G	58	5.348G	59	5.473G	60	5.308G
61	5.517G	62	5.290G	63	5.622G	64	5.511G
65	5.390G	66	5.364G	67	5.285G	68	5.560G
69	5.556G	70	5.661G	71	5.287G	72	5.295G
73	5.455G	74	5.303G	75	5.296G	76	5.484G
77	5.314G	78	5.658G	79	5.266G	80	5.528G
81	5.525G	82	5.428G	83	5.281G	84	5.548G
85	5.275G	86	5.566G	87	5.572G	88	5.683G
89	5.510G	90	5.252G	91	5.268G	92	5.679G
93	5.526G	94	5.587G	95	5.325G	96	5.598G
97	5.294G	98	5.271G	99	5.558G	100	5.682G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.479G	2	5.659G	3	5.701G	4	5.678G
5	5.501G	6	5.374G	7	5.477G	8	5.691G
9	5.639G	10	5.525G	11	5.656G	12	5.571G
13	5.284G	14	5.613G	15	5.633G	16	5.447G
17	5.631G	18	5.649G	19	5.262G	20	5.612G
21	5.622G	22	5.386G	23	5.326G	24	5.644G
25	5.655G	26	5.422G	27	5.495G	28	5.540G
29	5.670G	30	5.322G	31	5.297G	32	5.624G
33	5.398G	34	5.336G	35	5.665G	36	5.549G
37	5.292G	38	5.544G	39	5.397G	40	5.268G
41	5.341G	42	5.252G	43	5.641G	44	5.565G
45	5.410G	46	5.438G	47	5.365G	48	5.542G
49	5.718G	50	5.723G	51	5.606G	52	5.339G
53	5.383G	54	5.506G	55	5.524G	56	5.576G
57	5.462G	58	5.439G	59	5.667G	60	5.425G
61	5.483G	62	5.513G	63	5.696G	64	5.444G
65	5.679G	66	5.403G	67	5.333G	68	5.705G
69	5.255G	70	5.648G	71	5.411G	72	5.449G
73	5.543G	74	5.311G	75	5.315G	76	5.448G
77	5.278G	78	5.629G	79	5.531G	80	5.563G
81	5.693G	82	5.281G	83	5.632G	84	5.593G
85	5.581G	86	5.406G	87	5.555G	88	5.616G
89	5.419G	90	5.636G	91	5.453G	92	5.662G
93	5.432G	94	5.366G	95	5.503G	96	5.340G
97	5.534G	98	5.560G	99	5.653G	100	5.564G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.571G	2	5.264G	3	5.455G	4	5.302G
5	5.688G	6	5.710G	7	5.592G	8	5.506G
9	5.440G	10	5.305G	11	5.251G	12	5.698G
13	5.532G	14	5.516G	15	5.419G	16	5.715G
17	5.582G	18	5.597G	19	5.315G	20	5.444G
21	5.334G	22	5.295G	23	5.411G	24	5.510G
25	5.520G	26	5.605G	27	5.536G	28	5.585G
29	5.637G	30	5.707G	31	5.253G	32	5.398G
33	5.681G	34	5.529G	35	5.409G	36	5.497G
37	5.562G	38	5.694G	39	5.673G	40	5.306G
41	5.268G	42	5.400G	43	5.717G	44	5.338G
45	5.321G	46	5.473G	47	5.431G	48	5.584G
49	5.682G	50	5.711G	51	5.554G	52	5.656G
53	5.542G	54	5.515G	55	5.252G	56	5.680G
57	5.376G	58	5.476G	59	5.502G	60	5.644G
61	5.394G	62	5.620G	63	5.549G	64	5.353G
65	5.684G	66	5.551G	67	5.595G	68	5.266G
69	5.570G	70	5.642G	71	5.442G	72	5.555G
73	5.701G	74	5.417G	75	5.324G	76	5.575G
77	5.283G	78	5.528G	79	5.304G	80	5.422G
81	5.599G	82	5.543G	83	5.327G	84	5.690G
85	5.314G	86	5.565G	87	5.383G	88	5.287G
89	5.336G	90	5.558G	91	5.499G	92	5.704G
93	5.372G	94	5.428G	95	5.522G	96	5.615G
97	5.662G	98	5.426G	99	5.408G	100	5.491G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.550G	2	5.322G	3	5.721G	4	5.534G
5	5.629G	6	5.380G	7	5.501G	8	5.667G
9	5.281G	10	5.367G	11	5.506G	12	5.490G
13	5.665G	14	5.286G	15	5.305G	16	5.363G
17	5.400G	18	5.467G	19	5.503G	20	5.723G
21	5.375G	22	5.570G	23	5.549G	24	5.484G
25	5.474G	26	5.417G	27	5.517G	28	5.349G
29	5.514G	30	5.297G	31	5.690G	32	5.564G
33	5.451G	34	5.500G	35	5.674G	36	5.394G
37	5.655G	38	5.315G	39	5.424G	40	5.411G
41	5.615G	42	5.477G	43	5.358G	44	5.430G
45	5.509G	46	5.673G	47	5.282G	48	5.575G



49	5.460G	50	5.372G	51	5.478G	52	5.470G
53	5.699G	54	5.355G	55	5.565G	56	5.384G
57	5.510G	58	5.497G	59	5.522G	60	5.638G
61	5.353G	62	5.660G	63	5.613G	64	5.419G
65	5.364G	66	5.436G	67	5.520G	68	5.569G
69	5.633G	70	5.257G	71	5.605G	72	5.356G
73	5.427G	74	5.357G	75	5.707G	76	5.473G
77	5.639G	78	5.661G	79	5.567G	80	5.712G
81	5.672G	82	5.314G	83	5.345G	84	5.298G
85	5.285G	86	5.695G	87	5.683G	88	5.332G
89	5.333G	90	5.269G	91	5.307G	92	5.350G
93	5.402G	94	5.425G	95	5.251G	96	5.704G
97	5.597G	98	5.713G	99	5.694G	100	5.331G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.695G	2	5.389G	3	5.474G	4	5.551G
5	5.363G	6	5.694G	7	5.677G	8	5.645G
9	5.322G	10	5.545G	11	5.504G	12	5.409G
13	5.331G	14	5.354G	15	5.277G	16	5.558G
17	5.584G	18	5.319G	19	5.274G	20	5.380G
21	5.607G	22	5.583G	23	5.280G	24	5.369G
25	5.524G	26	5.696G	27	5.450G	28	5.600G
29	5.604G	30	5.449G	31	5.647G	32	5.285G
33	5.525G	34	5.488G	35	5.716G	36	5.430G
37	5.534G	38	5.717G	39	5.540G	40	5.515G
41	5.581G	42	5.499G	43	5.483G	44	5.641G
45	5.254G	46	5.579G	47	5.305G	48	5.680G
49	5.574G	50	5.577G	51	5.547G	52	5.538G
53	5.298G	54	5.328G	55	5.421G	56	5.571G
57	5.560G	58	5.526G	59	5.663G	60	5.452G
61	5.676G	62	5.517G	63	5.557G	64	5.458G
65	5.684G	66	5.257G	67	5.335G	68	5.650G
69	5.611G	70	5.437G	71	5.393G	72	5.661G
73	5.273G	74	5.306G	75	5.501G	76	5.672G
77	5.660G	78	5.391G	79	5.476G	80	5.397G
81	5.573G	82	5.712G	83	5.422G	84	5.324G
85	5.454G	86	5.478G	87	5.377G	88	5.399G
89	5.384G	90	5.594G	91	5.405G	92	5.617G
93	5.494G	94	5.325G	95	5.643G	96	5.635G
97	5.260G	98	5.693G	99	5.714G	100	5.459G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.454G	2	5.478G	3	5.305G	4	5.722G
5	5.475G	6	5.693G	7	5.571G	8	5.258G
9	5.473G	10	5.524G	11	5.490G	12	5.269G
13	5.346G	14	5.534G	15	5.578G	16	5.568G
17	5.491G	18	5.581G	19	5.442G	20	5.600G
21	5.723G	22	5.339G	23	5.706G	24	5.327G
25	5.621G	26	5.702G	27	5.543G	28	5.403G
29	5.694G	30	5.523G	31	5.608G	32	5.533G
33	5.340G	34	5.615G	35	5.280G	36	5.636G
37	5.306G	38	5.505G	39	5.586G	40	5.585G
41	5.661G	42	5.309G	43	5.526G	44	5.359G
45	5.355G	46	5.324G	47	5.635G	48	5.480G
49	5.647G	50	5.302G	51	5.487G	52	5.407G
53	5.444G	54	5.717G	55	5.256G	56	5.453G
57	5.425G	58	5.599G	59	5.320G	60	5.509G
61	5.631G	62	5.367G	63	5.557G	64	5.532G
65	5.378G	66	5.699G	67	5.593G	68	5.323G
69	5.290G	70	5.255G	71	5.605G	72	5.576G
73	5.335G	74	5.445G	75	5.640G	76	5.254G
77	5.541G	78	5.272G	79	5.691G	80	5.525G
81	5.313G	82	5.501G	83	5.348G	84	5.574G
85	5.427G	86	5.703G	87	5.656G	88	5.388G
89	5.377G	90	5.483G	91	5.610G	92	5.591G
93	5.542G	94	5.638G	95	5.676G	96	5.429G
97	5.356G	98	5.412G	99	5.504G	100	5.566G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.272G	2	5.424G	3	5.644G	4	5.266G
5	5.456G	6	5.499G	7	5.255G	8	5.520G
9	5.552G	10	5.339G	11	5.402G	12	5.658G
13	5.509G	14	5.606G	15	5.608G	16	5.311G
17	5.370G	18	5.259G	19	5.308G	20	5.269G
21	5.442G	22	5.527G	23	5.303G	24	5.318G
25	5.340G	26	5.305G	27	5.707G	28	5.343G
29	5.429G	30	5.545G	31	5.617G	32	5.458G
33	5.400G	34	5.346G	35	5.534G	36	5.301G
37	5.475G	38	5.607G	39	5.715G	40	5.327G
41	5.450G	42	5.636G	43	5.276G	44	5.535G
45	5.633G	46	5.671G	47	5.344G	48	5.335G



49	5.282G	50	5.582G	51	5.322G	52	5.635G
53	5.512G	54	5.285G	55	5.426G	56	5.654G
57	5.572G	58	5.444G	59	5.273G	60	5.409G
61	5.576G	62	5.452G	63	5.320G	64	5.454G
65	5.673G	66	5.300G	67	5.292G	68	5.352G
69	5.381G	70	5.439G	71	5.579G	72	5.630G
73	5.470G	74	5.494G	75	5.336G	76	5.500G
77	5.372G	78	5.379G	79	5.646G	80	5.722G
81	5.404G	82	5.602G	83	5.406G	84	5.354G
85	5.699G	86	5.423G	87	5.310G	88	5.542G
89	5.469G	90	5.696G	91	5.445G	92	5.428G
93	5.399G	94	5.676G	95	5.567G	96	5.524G
97	5.355G	98	5.559G	99	5.460G	100	5.448G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.379G	2	5.721G	3	5.275G	4	5.391G
5	5.276G	6	5.588G	7	5.425G	8	5.478G
9	5.427G	10	5.621G	11	5.711G	12	5.456G
13	5.528G	14	5.282G	15	5.569G	16	5.370G
17	5.445G	18	5.552G	19	5.301G	20	5.714G
21	5.701G	22	5.688G	23	5.271G	24	5.683G
25	5.355G	26	5.675G	27	5.486G	28	5.255G
29	5.555G	30	5.322G	31	5.525G	32	5.423G
33	5.420G	34	5.532G	35	5.723G	36	5.550G
37	5.419G	38	5.451G	39	5.566G	40	5.707G
41	5.327G	42	5.636G	43	5.422G	44	5.605G
45	5.464G	46	5.664G	47	5.437G	48	5.267G
49	5.549G	50	5.638G	51	5.426G	52	5.305G
53	5.394G	54	5.625G	55	5.411G	56	5.303G
57	5.446G	58	5.611G	59	5.269G	60	5.495G
61	5.602G	62	5.432G	63	5.497G	64	5.289G
65	5.666G	66	5.339G	67	5.491G	68	5.455G
69	5.349G	70	5.472G	71	5.627G	72	5.454G
73	5.631G	74	5.488G	75	5.329G	76	5.286G
77	5.250G	78	5.458G	79	5.447G	80	5.616G
81	5.598G	82	5.554G	83	5.313G	84	5.397G
85	5.377G	86	5.318G	87	5.294G	88	5.575G
89	5.500G	90	5.715G	91	5.663G	92	5.476G
93	5.462G	94	5.341G	95	5.326G	96	5.713G
97	5.516G	98	5.403G	99	5.559G	100	5.494G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.330G	2	5.378G	3	5.402G	4	5.626G
5	5.293G	6	5.666G	7	5.251G	8	5.252G
9	5.460G	10	5.498G	11	5.690G	12	5.678G
13	5.583G	14	5.450G	15	5.461G	16	5.671G
17	5.391G	18	5.291G	19	5.432G	20	5.405G
21	5.359G	22	5.549G	23	5.318G	24	5.457G
25	5.271G	26	5.360G	27	5.512G	28	5.430G
29	5.600G	30	5.288G	31	5.641G	32	5.401G
33	5.338G	34	5.408G	35	5.471G	36	5.685G
37	5.386G	38	5.513G	39	5.553G	40	5.443G
41	5.679G	42	5.437G	43	5.654G	44	5.490G
45	5.557G	46	5.368G	47	5.611G	48	5.645G
49	5.481G	50	5.347G	51	5.596G	52	5.496G
53	5.339G	54	5.284G	55	5.303G	56	5.394G
57	5.370G	58	5.442G	59	5.509G	60	5.264G
61	5.390G	62	5.479G	63	5.255G	64	5.533G
65	5.388G	66	5.428G	67	5.260G	68	5.702G
69	5.281G	70	5.663G	71	5.604G	72	5.357G
73	5.542G	74	5.531G	75	5.623G	76	5.717G
77	5.598G	78	5.691G	79	5.439G	80	5.518G
81	5.540G	82	5.364G	83	5.328G	84	5.668G
85	5.522G	86	5.684G	87	5.317G	88	5.715G
89	5.400G	90	5.601G	91	5.323G	92	5.454G
93	5.584G	94	5.538G	95	5.516G	96	5.253G
97	5.630G	98	5.435G	99	5.696G	100	5.464G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.427G	2	5.687G	3	5.398G	4	5.350G
5	5.400G	6	5.448G	7	5.487G	8	5.458G
9	5.323G	10	5.491G	11	5.369G	12	5.594G
13	5.697G	14	5.403G	15	5.320G	16	5.653G
17	5.636G	18	5.312G	19	5.541G	20	5.387G
21	5.414G	22	5.705G	23	5.328G	24	5.286G
25	5.397G	26	5.373G	27	5.435G	28	5.672G
29	5.682G	30	5.720G	31	5.265G	32	5.637G
33	5.617G	34	5.407G	35	5.445G	36	5.563G
37	5.509G	38	5.391G	39	5.499G	40	5.539G
41	5.529G	42	5.570G	43	5.262G	44	5.361G
45	5.359G	46	5.658G	47	5.627G	48	5.274G



49	5.684G	50	5.517G	51	5.366G	52	5.618G
53	5.611G	54	5.449G	55	5.409G	56	5.337G
57	5.357G	58	5.565G	59	5.540G	60	5.482G
61	5.533G	62	5.385G	63	5.332G	64	5.270G
65	5.378G	66	5.605G	67	5.624G	68	5.615G
69	5.483G	70	5.282G	71	5.303G	72	5.471G
73	5.717G	74	5.413G	75	5.339G	76	5.571G
77	5.411G	78	5.683G	79	5.628G	80	5.271G
81	5.629G	82	5.660G	83	5.294G	84	5.573G
85	5.437G	86	5.635G	87	5.467G	88	5.451G
89	5.681G	90	5.351G	91	5.552G	92	5.295G
93	5.344G	94	5.426G	95	5.544G	96	5.512G
97	5.604G	98	5.577G	99	5.558G	100	5.569G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.446G	2	5.280G	3	5.302G	4	5.558G
5	5.474G	6	5.538G	7	5.282G	8	5.550G
9	5.617G	10	5.520G	11	5.346G	12	5.531G
13	5.695G	14	5.613G	15	5.607G	16	5.704G
17	5.536G	18	5.419G	19	5.644G	20	5.707G
21	5.384G	22	5.611G	23	5.457G	24	5.450G
25	5.251G	26	5.377G	27	5.300G	28	5.335G
29	5.311G	30	5.401G	31	5.635G	32	5.537G
33	5.627G	34	5.498G	35	5.657G	36	5.568G
37	5.284G	38	5.609G	39	5.690G	40	5.370G
41	5.662G	42	5.317G	43	5.497G	44	5.610G
45	5.584G	46	5.562G	47	5.489G	48	5.532G
49	5.693G	50	5.522G	51	5.301G	52	5.495G
53	5.677G	54	5.629G	55	5.459G	56	5.654G
57	5.565G	58	5.444G	59	5.648G	60	5.680G
61	5.279G	62	5.701G	63	5.579G	64	5.667G
65	5.379G	66	5.269G	67	5.421G	68	5.478G
69	5.315G	70	5.484G	71	5.308G	72	5.594G
73	5.445G	74	5.597G	75	5.514G	76	5.427G
77	5.481G	78	5.325G	79	5.591G	80	5.487G
81	5.499G	82	5.362G	83	5.454G	84	5.403G
85	5.700G	86	5.491G	87	5.623G	88	5.340G
89	5.283G	90	5.603G	91	5.321G	92	5.337G
93	5.378G	94	5.685G	95	5.289G	96	5.376G
97	5.552G	98	5.385G	99	5.553G	100	5.353G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.356G	2	5.349G	3	5.535G	4	5.323G
5	5.548G	6	5.621G	7	5.553G	8	5.262G
9	5.460G	10	5.415G	11	5.556G	12	5.547G
13	5.374G	14	5.661G	15	5.703G	16	5.649G
17	5.280G	18	5.326G	19	5.297G	20	5.658G
21	5.305G	22	5.516G	23	5.479G	24	5.399G
25	5.545G	26	5.606G	27	5.518G	28	5.411G
29	5.293G	30	5.346G	31	5.321G	32	5.705G
33	5.640G	34	5.529G	35	5.367G	36	5.478G
37	5.304G	38	5.452G	39	5.608G	40	5.487G
41	5.609G	42	5.564G	43	5.325G	44	5.515G
45	5.582G	46	5.579G	47	5.709G	48	5.567G
49	5.335G	50	5.397G	51	5.472G	52	5.625G
53	5.560G	54	5.513G	55	5.696G	56	5.599G
57	5.637G	58	5.559G	59	5.359G	60	5.256G
61	5.525G	62	5.691G	63	5.530G	64	5.506G
65	5.679G	66	5.647G	67	5.536G	68	5.383G
69	5.343G	70	5.541G	71	5.721G	72	5.674G
73	5.470G	74	5.366G	75	5.286G	76	5.539G
77	5.510G	78	5.396G	79	5.509G	80	5.385G
81	5.418G	82	5.414G	83	5.353G	84	5.348G
85	5.327G	86	5.711G	87	5.469G	88	5.274G
89	5.252G	90	5.486G	91	5.517G	92	5.447G
93	5.264G	94	5.454G	95	5.500G	96	5.489G
97	5.583G	98	5.409G	99	5.594G	100	5.436G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.517G	2	5.683G	3	5.540G	4	5.698G
5	5.630G	6	5.280G	7	5.397G	8	5.377G
9	5.396G	10	5.699G	11	5.582G	12	5.696G
13	5.645G	14	5.417G	15	5.626G	16	5.335G
17	5.250G	18	5.367G	19	5.281G	20	5.717G
21	5.292G	22	5.459G	23	5.536G	24	5.475G
25	5.578G	26	5.329G	27	5.640G	28	5.496G
29	5.302G	30	5.674G	31	5.414G	32	5.274G
33	5.589G	34	5.612G	35	5.257G	36	5.575G
37	5.313G	38	5.498G	39	5.385G	40	5.654G
41	5.474G	42	5.374G	43	5.512G	44	5.336G
45	5.585G	46	5.480G	47	5.294G	48	5.473G



49	5.510G	50	5.593G	51	5.511G	52	5.577G
53	5.295G	54	5.676G	55	5.469G	56	5.263G
57	5.638G	58	5.588G	59	5.380G	60	5.416G
61	5.667G	62	5.622G	63	5.519G	64	5.570G
65	5.297G	66	5.641G	67	5.323G	68	5.655G
69	5.567G	70	5.334G	71	5.627G	72	5.703G
73	5.291G	74	5.288G	75	5.483G	76	5.434G
77	5.379G	78	5.333G	79	5.624G	80	5.402G
81	5.429G	82	5.524G	83	5.351G	84	5.442G
85	5.606G	86	5.502G	87	5.566G	88	5.635G
89	5.521G	90	5.534G	91	5.520G	92	5.500G
93	5.430G	94	5.632G	95	5.467G	96	5.391G
97	5.621G	98	5.600G	99	5.439G	100	5.603G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.656G	2	5.473G	3	5.499G	4	5.282G
5	5.536G	6	5.518G	7	5.721G	8	5.363G
9	5.630G	10	5.662G	11	5.659G	12	5.456G
13	5.565G	14	5.543G	15	5.530G	16	5.461G
17	5.606G	18	5.628G	19	5.435G	20	5.647G
21	5.414G	22	5.354G	23	5.369G	24	5.580G
25	5.590G	26	5.514G	27	5.513G	28	5.591G
29	5.377G	30	5.575G	31	5.394G	32	5.702G
33	5.505G	34	5.300G	35	5.500G	36	5.576G
37	5.502G	38	5.349G	39	5.370G	40	5.326G
41	5.475G	42	5.483G	43	5.421G	44	5.348G
45	5.296G	46	5.313G	47	5.294G	48	5.620G
49	5.645G	50	5.375G	51	5.302G	52	5.402G
53	5.663G	54	5.479G	55	5.423G	56	5.368G
57	5.335G	58	5.598G	59	5.648G	60	5.701G
61	5.607G	62	5.610G	63	5.450G	64	5.649G
65	5.331G	66	5.695G	67	5.677G	68	5.589G
69	5.608G	70	5.568G	71	5.564G	72	5.487G
73	5.342G	74	5.558G	75	5.286G	76	5.404G
77	5.411G	78	5.617G	79	5.688G	80	5.570G
81	5.490G	82	5.283G	83	5.592G	84	5.287G
85	5.687G	86	5.379G	87	5.494G	88	5.609G
89	5.515G	90	5.561G	91	5.654G	92	5.347G
93	5.484G	94	5.553G	95	5.373G	96	5.380G
97	5.438G	98	5.409G	99	5.519G	100	5.465G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.434G	2	5.279G	3	5.638G	4	5.560G
5	5.288G	6	5.396G	7	5.589G	8	5.263G
9	5.293G	10	5.420G	11	5.287G	12	5.520G
13	5.424G	14	5.614G	15	5.286G	16	5.378G
17	5.393G	18	5.545G	19	5.454G	20	5.304G
21	5.609G	22	5.702G	23	5.510G	24	5.407G
25	5.398G	26	5.353G	27	5.494G	28	5.278G
29	5.681G	30	5.440G	31	5.608G	32	5.468G
33	5.343G	34	5.326G	35	5.390G	36	5.594G
37	5.269G	38	5.489G	39	5.257G	40	5.686G
41	5.372G	42	5.561G	43	5.350G	44	5.308G
45	5.469G	46	5.381G	47	5.694G	48	5.703G
49	5.724G	50	5.291G	51	5.360G	52	5.320G
53	5.655G	54	5.615G	55	5.563G	56	5.652G
57	5.574G	58	5.647G	59	5.536G	60	5.528G
61	5.376G	62	5.514G	63	5.280G	64	5.395G
65	5.597G	66	5.718G	67	5.341G	68	5.552G
69	5.602G	70	5.391G	71	5.591G	72	5.488G
73	5.276G	74	5.339G	75	5.370G	76	5.604G
77	5.644G	78	5.577G	79	5.366G	80	5.600G
81	5.383G	82	5.495G	83	5.261G	84	5.283G
85	5.579G	86	5.480G	87	5.550G	88	5.302G
89	5.519G	90	5.617G	91	5.296G	92	5.512G
93	5.340G	94	5.449G	95	5.502G	96	5.576G
97	5.289G	98	5.463G	99	5.631G	100	5.601G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.650G	2	5.585G	3	5.640G	4	5.425G
5	5.423G	6	5.623G	7	5.608G	8	5.420G
9	5.641G	10	5.331G	11	5.551G	12	5.430G
13	5.294G	14	5.690G	15	5.427G	16	5.265G
17	5.707G	18	5.257G	19	5.290G	20	5.486G
21	5.402G	22	5.295G	23	5.317G	24	5.320G
25	5.310G	26	5.497G	27	5.286G	28	5.324G
29	5.666G	30	5.487G	31	5.419G	32	5.466G
33	5.609G	34	5.432G	35	5.309G	36	5.488G
37	5.351G	38	5.329G	39	5.451G	40	5.722G
41	5.534G	42	5.646G	43	5.415G	44	5.302G
45	5.333G	46	5.447G	47	5.369G	48	5.386G



49	5.396G	50	5.308G	51	5.620G	52	5.296G
53	5.605G	54	5.672G	55	5.539G	56	5.639G
57	5.399G	58	5.495G	59	5.312G	60	5.661G
61	5.560G	62	5.269G	63	5.459G	64	5.559G
65	5.304G	66	5.404G	67	5.496G	68	5.483G
69	5.422G	70	5.625G	71	5.557G	72	5.555G
73	5.658G	74	5.336G	75	5.453G	76	5.544G
77	5.518G	78	5.276G	79	5.322G	80	5.516G
81	5.603G	82	5.250G	83	5.401G	84	5.439G
85	5.704G	86	5.341G	87	5.527G	88	5.671G
89	5.612G	90	5.535G	91	5.543G	92	5.375G
93	5.591G	94	5.580G	95	5.316G	96	5.694G
97	5.297G	98	5.648G	99	5.710G	100	5.252G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.686G	2	5.305G	3	5.635G	4	5.484G
5	5.651G	6	5.344G	7	5.540G	8	5.510G
9	5.529G	10	5.388G	11	5.581G	12	5.614G
13	5.527G	14	5.521G	15	5.474G	16	5.361G
17	5.494G	18	5.588G	19	5.427G	20	5.555G
21	5.518G	22	5.264G	23	5.251G	24	5.705G
25	5.404G	26	5.481G	27	5.352G	28	5.268G
29	5.438G	30	5.372G	31	5.546G	32	5.275G
33	5.323G	34	5.658G	35	5.477G	36	5.433G
37	5.449G	38	5.604G	39	5.599G	40	5.486G
41	5.314G	42	5.639G	43	5.365G	44	5.458G
45	5.617G	46	5.674G	47	5.611G	48	5.459G
49	5.476G	50	5.448G	51	5.723G	52	5.369G
53	5.531G	54	5.713G	55	5.364G	56	5.330G
57	5.396G	58	5.265G	59	5.460G	60	5.447G
61	5.706G	62	5.544G	63	5.720G	64	5.642G
65	5.479G	66	5.650G	67	5.646G	68	5.689G
69	5.566G	70	5.440G	71	5.471G	72	5.548G
73	5.318G	74	5.547G	75	5.520G	76	5.464G
77	5.444G	78	5.283G	79	5.366G	80	5.621G
81	5.718G	82	5.545G	83	5.502G	84	5.408G
85	5.688G	86	5.419G	87	5.525G	88	5.538G
89	5.620G	90	5.584G	91	5.255G	92	5.495G
93	5.342G	94	5.695G	95	5.282G	96	5.262G
97	5.638G	98	5.266G	99	5.475G	100	5.269G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.282G	2	5.373G	3	5.704G	4	5.641G
5	5.410G	6	5.489G	7	5.472G	8	5.575G
9	5.398G	10	5.574G	11	5.454G	12	5.301G
13	5.679G	14	5.509G	15	5.300G	16	5.330G
17	5.281G	18	5.648G	19	5.544G	20	5.624G
21	5.407G	22	5.449G	23	5.499G	24	5.371G
25	5.666G	26	5.612G	27	5.481G	28	5.525G
29	5.370G	30	5.469G	31	5.516G	32	5.339G
33	5.445G	34	5.313G	35	5.589G	36	5.476G
37	5.605G	38	5.441G	39	5.349G	40	5.483G
41	5.709G	42	5.460G	43	5.523G	44	5.286G
45	5.405G	46	5.353G	47	5.305G	48	5.356G
49	5.541G	50	5.645G	51	5.358G	52	5.583G
53	5.396G	54	5.251G	55	5.618G	56	5.718G
57	5.721G	58	5.299G	59	5.471G	60	5.717G
61	5.644G	62	5.528G	63	5.699G	64	5.603G
65	5.628G	66	5.379G	67	5.559G	68	5.638G
69	5.695G	70	5.654G	71	5.708G	72	5.524G
73	5.448G	74	5.498G	75	5.342G	76	5.252G
77	5.376G	78	5.455G	79	5.383G	80	5.268G
81	5.502G	82	5.647G	83	5.690G	84	5.365G
85	5.691G	86	5.434G	87	5.625G	88	5.437G
89	5.438G	90	5.640G	91	5.320G	92	5.538G
93	5.684G	94	5.430G	95	5.436G	96	5.611G
97	5.312G	98	5.542G	99	5.597G	100	5.362G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.412G	2	5.410G	3	5.540G	4	5.614G
5	5.471G	6	5.466G	7	5.316G	8	5.424G
9	5.449G	10	5.274G	11	5.677G	12	5.258G
13	5.640G	14	5.308G	15	5.314G	16	5.469G
17	5.580G	18	5.503G	19	5.382G	20	5.549G
21	5.389G	22	5.365G	23	5.516G	24	5.250G
25	5.528G	26	5.514G	27	5.535G	28	5.655G
29	5.562G	30	5.349G	31	5.695G	32	5.533G
33	5.686G	34	5.692G	35	5.354G	36	5.337G
37	5.431G	38	5.391G	39	5.377G	40	5.700G
41	5.280G	42	5.584G	43	5.383G	44	5.519G
45	5.281G	46	5.339G	47	5.578G	48	5.387G



49	5.581G	50	5.587G	51	5.364G	52	5.618G
53	5.543G	54	5.553G	55	5.442G	56	5.505G
57	5.548G	58	5.541G	59	5.653G	60	5.611G
61	5.625G	62	5.696G	63	5.428G	64	5.272G
65	5.649G	66	5.270G	67	5.257G	68	5.395G
69	5.604G	70	5.534G	71	5.461G	72	5.460G
73	5.650G	74	5.557G	75	5.334G	76	5.358G
77	5.434G	78	5.721G	79	5.268G	80	5.706G
81	5.723G	82	5.554G	83	5.304G	84	5.523G
85	5.585G	86	5.310G	87	5.722G	88	5.486G
89	5.283G	90	5.616G	91	5.457G	92	5.550G
93	5.271G	94	5.620G	95	5.707G	96	5.343G
97	5.411G	98	5.684G	99	5.635G	100	5.637G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.612G	2	5.334G	3	5.261G	4	5.687G
5	5.484G	6	5.676G	7	5.633G	8	5.592G
9	5.615G	10	5.254G	11	5.595G	12	5.715G
13	5.524G	14	5.467G	15	5.677G	16	5.543G
17	5.488G	18	5.510G	19	5.377G	20	5.639G
21	5.342G	22	5.271G	23	5.285G	24	5.370G
25	5.535G	26	5.313G	27	5.520G	28	5.371G
29	5.349G	30	5.712G	31	5.282G	32	5.346G
33	5.632G	34	5.698G	35	5.412G	36	5.716G
37	5.559G	38	5.517G	39	5.422G	40	5.343G
41	5.314G	42	5.273G	43	5.645G	44	5.709G
45	5.459G	46	5.277G	47	5.561G	48	5.578G
49	5.530G	50	5.599G	51	5.537G	52	5.426G
53	5.473G	54	5.480G	55	5.570G	56	5.439G
57	5.558G	58	5.404G	59	5.491G	60	5.528G
61	5.395G	62	5.278G	63	5.443G	64	5.581G
65	5.657G	66	5.252G	67	5.390G	68	5.345G
69	5.665G	70	5.464G	71	5.695G	72	5.340G
73	5.301G	74	5.374G	75	5.523G	76	5.444G
77	5.519G	78	5.564G	79	5.341G	80	5.403G
81	5.603G	82	5.253G	83	5.336G	84	5.705G
85	5.265G	86	5.270G	87	5.589G	88	5.583G
89	5.408G	90	5.362G	91	5.268G	92	5.423G
93	5.358G	94	5.556G	95	5.275G	96	5.348G
97	5.527G	98	5.506G	99	5.264G	100	5.514G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.397G	2	5.558G	3	5.453G	4	5.720G
5	5.382G	6	5.602G	7	5.352G	8	5.318G
9	5.550G	10	5.339G	11	5.437G	12	5.477G
13	5.693G	14	5.547G	15	5.431G	16	5.424G
17	5.612G	18	5.472G	19	5.386G	20	5.463G
21	5.719G	22	5.670G	23	5.422G	24	5.630G
25	5.399G	26	5.284G	27	5.484G	28	5.395G
29	5.527G	30	5.478G	31	5.607G	32	5.660G
33	5.690G	34	5.296G	35	5.499G	36	5.697G
37	5.509G	38	5.264G	39	5.566G	40	5.429G
41	5.572G	42	5.373G	43	5.322G	44	5.590G
45	5.326G	46	5.275G	47	5.418G	48	5.378G
49	5.363G	50	5.631G	51	5.629G	52	5.576G
53	5.699G	54	5.621G	55	5.494G	56	5.360G
57	5.327G	58	5.567G	59	5.580G	60	5.388G
61	5.510G	62	5.308G	63	5.361G	64	5.436G
65	5.504G	66	5.261G	67	5.267G	68	5.564G
69	5.700G	70	5.368G	71	5.305G	72	5.256G
73	5.619G	74	5.578G	75	5.404G	76	5.434G
77	5.701G	78	5.389G	79	5.526G	80	5.380G
81	5.639G	82	5.562G	83	5.471G	84	5.611G
85	5.657G	86	5.681G	87	5.710G	88	5.377G
89	5.462G	90	5.563G	91	5.589G	92	5.610G
93	5.279G	94	5.459G	95	5.262G	96	5.560G
97	5.703G	98	5.673G	99	5.708G	100	5.500G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.433G	2	5.427G	3	5.361G	4	5.483G
5	5.473G	6	5.267G	7	5.662G	8	5.398G
9	5.496G	10	5.673G	11	5.370G	12	5.334G
13	5.681G	14	5.604G	15	5.364G	16	5.278G
17	5.515G	18	5.631G	19	5.540G	20	5.660G
21	5.440G	22	5.395G	23	5.300G	24	5.272G
25	5.655G	26	5.466G	27	5.460G	28	5.500G
29	5.294G	30	5.358G	31	5.570G	32	5.642G
33	5.622G	34	5.690G	35	5.258G	36	5.458G
37	5.671G	38	5.525G	39	5.266G	40	5.317G
41	5.442G	42	5.295G	43	5.522G	44	5.585G
45	5.475G	46	5.452G	47	5.571G	48	5.374G



49	5.327G	50	5.357G	51	5.651G	52	5.369G
53	5.606G	54	5.421G	55	5.618G	56	5.499G
57	5.378G	58	5.474G	59	5.270G	60	5.713G
61	5.656G	62	5.450G	63	5.388G	64	5.443G
65	5.412G	66	5.505G	67	5.250G	68	5.299G
69	5.315G	70	5.367G	71	5.544G	72	5.456G
73	5.659G	74	5.384G	75	5.610G	76	5.307G
77	5.480G	78	5.290G	79	5.415G	80	5.481G
81	5.277G	82	5.675G	83	5.435G	84	5.578G
85	5.268G	86	5.719G	87	5.668G	88	5.326G
89	5.611G	90	5.529G	91	5.262G	92	5.302G
93	5.689G	94	5.685G	95	5.628G	96	5.715G
97	5.626G	98	5.694G	99	5.472G	100	5.566G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.598G	2	5.531G	3	5.599G	4	5.333G
5	5.432G	6	5.604G	7	5.380G	8	5.653G
9	5.635G	10	5.705G	11	5.703G	12	5.688G
13	5.439G	14	5.359G	15	5.495G	16	5.557G
17	5.571G	18	5.382G	19	5.617G	20	5.478G
21	5.714G	22	5.378G	23	5.314G	24	5.603G
25	5.527G	26	5.533G	27	5.301G	28	5.336G
29	5.443G	30	5.523G	31	5.342G	32	5.270G
33	5.387G	34	5.608G	35	5.410G	36	5.586G
37	5.687G	38	5.503G	39	5.315G	40	5.365G
41	5.707G	42	5.694G	43	5.449G	44	5.362G
45	5.344G	46	5.460G	47	5.536G	48	5.678G
49	5.575G	50	5.524G	51	5.505G	52	5.641G
53	5.252G	54	5.663G	55	5.324G	56	5.285G
57	5.421G	58	5.597G	59	5.526G	60	5.340G
61	5.573G	62	5.341G	63	5.640G	64	5.607G
65	5.517G	66	5.250G	67	5.298G	68	5.583G
69	5.511G	70	5.446G	71	5.541G	72	5.470G
73	5.295G	74	5.595G	75	5.427G	76	5.562G
77	5.327G	78	5.281G	79	5.291G	80	5.697G
81	5.518G	82	5.566G	83	5.445G	84	5.710G
85	5.552G	86	5.346G	87	5.723G	88	5.529G
89	5.546G	90	5.698G	91	5.354G	92	5.588G
93	5.264G	94	5.659G	95	5.434G	96	5.513G
97	5.610G	98	5.578G	99	5.644G	100	5.630G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.372G	2	5.532G	3	5.475G	4	5.648G
5	5.505G	6	5.280G	7	5.358G	8	5.285G
9	5.694G	10	5.579G	11	5.716G	12	5.612G
13	5.595G	14	5.334G	15	5.423G	16	5.410G
17	5.402G	18	5.550G	19	5.252G	20	5.377G
21	5.366G	22	5.484G	23	5.571G	24	5.339G
25	5.443G	26	5.636G	27	5.437G	28	5.451G
29	5.301G	30	5.379G	31	5.373G	32	5.661G
33	5.407G	34	5.356G	35	5.442G	36	5.503G
37	5.448G	38	5.266G	39	5.385G	40	5.296G
41	5.264G	42	5.660G	43	5.250G	44	5.350G
45	5.711G	46	5.665G	47	5.413G	48	5.603G
49	5.330G	50	5.497G	51	5.564G	52	5.573G
53	5.656G	54	5.654G	55	5.605G	56	5.611G
57	5.601G	58	5.315G	59	5.614G	60	5.311G
61	5.531G	62	5.325G	63	5.551G	64	5.415G
65	5.542G	66	5.652G	67	5.514G	68	5.608G
69	5.513G	70	5.707G	71	5.344G	72	5.328G
73	5.445G	74	5.454G	75	5.345G	76	5.631G
77	5.593G	78	5.388G	79	5.342G	80	5.623G
81	5.453G	82	5.693G	83	5.622G	84	5.258G
85	5.591G	86	5.529G	87	5.594G	88	5.479G
89	5.331G	90	5.555G	91	5.490G	92	5.294G
93	5.683G	94	5.375G	95	5.398G	96	5.421G
97	5.369G	98	5.267G	99	5.690G	100	5.577G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.384G	2	5.304G	3	5.547G	4	5.613G
5	5.486G	6	5.421G	7	5.713G	8	5.699G
9	5.531G	10	5.568G	11	5.645G	12	5.388G
13	5.724G	14	5.584G	15	5.672G	16	5.451G
17	5.337G	18	5.423G	19	5.665G	20	5.598G
21	5.268G	22	5.548G	23	5.545G	24	5.562G
25	5.286G	26	5.385G	27	5.408G	28	5.330G
29	5.417G	30	5.351G	31	5.292G	32	5.332G
33	5.335G	34	5.449G	35	5.599G	36	5.612G
37	5.593G	38	5.683G	39	5.400G	40	5.270G



41	5.375G	42	5.266G	43	5.344G	44	5.294G
45	5.559G	46	5.658G	47	5.364G	48	5.720G
49	5.603G	50	5.595G	51	5.405G	52	5.343G
53	5.373G	54	5.634G	55	5.581G	56	5.328G
57	5.572G	58	5.710G	59	5.253G	60	5.254G
61	5.602G	62	5.303G	63	5.361G	64	5.530G
65	5.509G	66	5.428G	67	5.453G	68	5.411G
69	5.546G	70	5.648G	71	5.500G	72	5.414G
73	5.723G	74	5.307G	75	5.313G	76	5.565G
77	5.592G	78	5.504G	79	5.281G	80	5.588G
81	5.259G	82	5.377G	83	5.267G	84	5.391G
85	5.359G	86	5.506G	87	5.674G	88	5.631G
89	5.716G	90	5.401G	91	5.300G	92	5.368G
93	5.260G	94	5.444G	95	5.632G	96	5.367G
97	5.615G	98	5.481G	99	5.654G	100	5.264G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.593G	2	5.368G	3	5.409G	4	5.317G
5	5.438G	6	5.535G	7	5.355G	8	5.384G
9	5.477G	10	5.627G	11	5.675G	12	5.585G
13	5.425G	14	5.604G	15	5.250G	16	5.372G
17	5.704G	18	5.377G	19	5.276G	20	5.549G
21	5.405G	22	5.292G	23	5.418G	24	5.444G
25	5.546G	26	5.258G	27	5.683G	28	5.371G
29	5.520G	30	5.284G	31	5.610G	32	5.303G
33	5.635G	34	5.542G	35	5.441G	36	5.517G
37	5.693G	38	5.456G	39	5.308G	40	5.531G
41	5.640G	42	5.598G	43	5.697G	44	5.333G
45	5.362G	46	5.572G	47	5.548G	48	5.551G
49	5.659G	50	5.671G	51	5.642G	52	5.515G
53	5.587G	54	5.329G	55	5.374G	56	5.278G
57	5.605G	58	5.338G	59	5.430G	60	5.711G
61	5.712G	62	5.417G	63	5.521G	64	5.696G
65	5.253G	66	5.655G	67	5.394G	68	5.266G
69	5.407G	70	5.280G	71	5.512G	72	5.452G
73	5.446G	74	5.623G	75	5.621G	76	5.274G
77	5.540G	78	5.537G	79	5.619G	80	5.315G
81	5.560G	82	5.354G	83	5.583G	84	5.483G
85	5.252G	86	5.489G	87	5.296G	88	5.472G
89	5.670G	90	5.622G	91	5.442G	92	5.440G
93	5.335G	94	5.263G	95	5.509G	96	5.309G
97	5.545G	98	5.564G	99	5.406G	100	5.634G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.324G	2	5.551G	3	5.395G	4	5.470G
5	5.489G	6	5.692G	7	5.274G	8	5.452G
9	5.722G	10	5.374G	11	5.527G	12	5.404G
13	5.275G	14	5.532G	15	5.449G	16	5.337G
17	5.579G	18	5.323G	19	5.501G	20	5.563G
21	5.672G	22	5.304G	23	5.701G	24	5.538G
25	5.675G	26	5.456G	27	5.256G	28	5.267G
29	5.632G	30	5.664G	31	5.584G	32	5.296G
33	5.331G	34	5.565G	35	5.724G	36	5.668G
37	5.510G	38	5.369G	39	5.419G	40	5.723G
41	5.413G	42	5.349G	43	5.359G	44	5.545G
45	5.333G	46	5.500G	47	5.351G	48	5.354G
49	5.477G	50	5.342G	51	5.679G	52	5.484G
53	5.380G	54	5.482G	55	5.613G	56	5.457G
57	5.371G	58	5.524G	59	5.620G	60	5.459G
61	5.653G	62	5.432G	63	5.355G	64	5.644G
65	5.698G	66	5.680G	67	5.655G	68	5.667G
69	5.612G	70	5.490G	71	5.615G	72	5.310G
73	5.298G	74	5.361G	75	5.626G	76	5.711G
77	5.542G	78	5.718G	79	5.556G	80	5.436G
81	5.704G	82	5.306G	83	5.536G	84	5.568G
85	5.694G	86	5.472G	87	5.575G	88	5.327G
89	5.700G	90	5.344G	91	5.322G	92	5.571G
93	5.363G	94	5.345G	95	5.258G	96	5.686G
97	5.657G	98	5.603G	99	5.640G	100	5.485G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.483G	2	5.587G	3	5.658G	4	5.417G
5	5.579G	6	5.465G	7	5.382G	8	5.348G
9	5.334G	10	5.481G	11	5.365G	12	5.414G
13	5.444G	14	5.410G	15	5.667G	16	5.544G
17	5.573G	18	5.650G	19	5.676G	20	5.553G
21	5.507G	22	5.708G	23	5.392G	24	5.485G
25	5.467G	26	5.428G	27	5.639G	28	5.486G
29	5.476G	30	5.440G	31	5.336G	32	5.684G
33	5.383G	34	5.378G	35	5.299G	36	5.420G
37	5.367G	38	5.349G	39	5.715G	40	5.462G
41	5.408G	42	5.484G	43	5.501G	44	5.524G
45	5.291G	46	5.666G	47	5.384G	48	5.714G
49	5.536G	50	5.401G	51	5.356G	52	5.656G
53	5.265G	54	5.500G	55	5.369G	56	5.707G



57	5.482G	58	5.592G	59	5.606G	60	5.559G
61	5.305G	62	5.302G	63	5.580G	64	5.719G
65	5.449G	66	5.645G	67	5.295G	68	5.601G
69	5.458G	70	5.266G	71	5.517G	72	5.279G
73	5.539G	74	5.613G	75	5.471G	76	5.654G
77	5.496G	78	5.619G	79	5.651G	80	5.612G
81	5.669G	82	5.634G	83	5.419G	84	5.288G
85	5.614G	86	5.697G	87	5.629G	88	5.547G
89	5.425G	90	5.422G	91	5.254G	92	5.597G
93	5.448G	94	5.677G	95	5.556G	96	5.493G
97	5.258G	98	5.685G	99	5.508G	100	5.603G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.702G	2	5.627G	3	5.312G	4	5.279G
5	5.414G	6	5.441G	7	5.359G	8	5.660G
9	5.686G	10	5.361G	11	5.608G	12	5.715G
13	5.470G	14	5.669G	15	5.330G	16	5.705G
17	5.310G	18	5.607G	19	5.532G	20	5.320G
21	5.362G	22	5.281G	23	5.585G	24	5.252G
25	5.616G	26	5.684G	27	5.618G	28	5.546G
29	5.670G	30	5.294G	31	5.462G	32	5.722G
33	5.503G	34	5.307G	35	5.401G	36	5.397G
37	5.689G	38	5.400G	39	5.396G	40	5.485G
41	5.707G	42	5.606G	43	5.552G	44	5.603G
45	5.538G	46	5.353G	47	5.342G	48	5.624G
49	5.266G	50	5.479G	51	5.649G	52	5.267G
53	5.319G	54	5.635G	55	5.665G	56	5.324G
57	5.344G	58	5.685G	59	5.403G	60	5.564G
61	5.668G	62	5.681G	63	5.322G	64	5.560G
65	5.621G	66	5.348G	67	5.557G	68	5.548G
69	5.408G	70	5.708G	71	5.496G	72	5.709G
73	5.663G	74	5.391G	75	5.515G	76	5.354G
77	5.654G	78	5.673G	79	5.696G	80	5.465G
81	5.574G	82	5.298G	83	5.693G	84	5.499G
85	5.506G	86	5.308G	87	5.570G	88	5.493G
89	5.331G	90	5.378G	91	5.430G	92	5.333G
93	5.384G	94	5.382G	95	5.295G	96	5.463G
97	5.453G	98	5.566G	99	5.516G	100	5.519G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.611G	2	5.386G	3	5.360G	4	5.469G
5	5.653G	6	5.622G	7	5.319G	8	5.254G
9	5.257G	10	5.402G	11	5.550G	12	5.424G
13	5.598G	14	5.679G	15	5.652G	16	5.311G
17	5.490G	18	5.539G	19	5.432G	20	5.574G
21	5.447G	22	5.630G	23	5.323G	24	5.627G
25	5.522G	26	5.413G	27	5.445G	28	5.451G
29	5.707G	30	5.689G	31	5.356G	32	5.554G
33	5.565G	34	5.527G	35	5.295G	36	5.614G
37	5.291G	38	5.662G	39	5.354G	40	5.446G
41	5.434G	42	5.271G	43	5.471G	44	5.353G
45	5.708G	46	5.444G	47	5.564G	48	5.724G
49	5.325G	50	5.589G	51	5.302G	52	5.458G
53	5.663G	54	5.322G	55	5.588G	56	5.330G
57	5.328G	58	5.374G	59	5.671G	60	5.457G
61	5.453G	62	5.476G	63	5.276G	64	5.687G
65	5.287G	66	5.659G	67	5.264G	68	5.688G
69	5.541G	70	5.701G	71	5.312G	72	5.443G
73	5.645G	74	5.285G	75	5.492G	76	5.465G
77	5.591G	78	5.294G	79	5.265G	80	5.619G
81	5.373G	82	5.497G	83	5.320G	84	5.639G
85	5.361G	86	5.529G	87	5.546G	88	5.300G
89	5.661G	90	5.674G	91	5.667G	92	5.640G
93	5.597G	94	5.267G	95	5.720G	96	5.398G
97	5.332G	98	5.596G	99	5.296G	100	5.316G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.618G	2	5.428G	3	5.291G	4	5.719G
5	5.334G	6	5.641G	7	5.385G	8	5.403G
9	5.365G	10	5.387G	11	5.367G	12	5.253G
13	5.633G	14	5.261G	15	5.683G	16	5.705G
17	5.268G	18	5.502G	19	5.333G	20	5.433G
21	5.592G	22	5.319G	23	5.271G	24	5.482G
25	5.721G	26	5.514G	27	5.638G	28	5.375G
29	5.582G	30	5.287G	31	5.314G	32	5.449G
33	5.640G	34	5.316G	35	5.306G	36	5.529G
37	5.717G	38	5.680G	39	5.472G	40	5.567G
41	5.499G	42	5.483G	43	5.543G	44	5.292G
45	5.299G	46	5.379G	47	5.332G	48	5.357G



49	5.341G	50	5.417G	51	5.381G	52	5.536G
53	5.598G	54	5.260G	55	5.412G	56	5.650G
57	5.459G	58	5.612G	59	5.689G	60	5.517G
61	5.434G	62	5.589G	63	5.681G	64	5.470G
65	5.371G	66	5.484G	67	5.596G	68	5.277G
69	5.643G	70	5.330G	71	5.645G	72	5.366G
73	5.383G	74	5.373G	75	5.477G	76	5.602G
77	5.252G	78	5.290G	79	5.295G	80	5.254G
81	5.698G	82	5.328G	83	5.278G	84	5.399G
85	5.444G	86	5.452G	87	5.704G	88	5.388G
89	5.285G	90	5.684G	91	5.609G	92	5.255G
93	5.649G	94	5.666G	95	5.615G	96	5.313G
97	5.347G	98	5.466G	99	5.552G	100	5.722G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.330G	2	5.424G	3	5.358G	4	5.555G
5	5.618G	6	5.319G	7	5.491G	8	5.694G
9	5.610G	10	5.656G	11	5.559G	12	5.275G
13	5.705G	14	5.280G	15	5.279G	16	5.645G
17	5.348G	18	5.563G	19	5.301G	20	5.680G
21	5.650G	22	5.346G	23	5.690G	24	5.679G
25	5.274G	26	5.630G	27	5.261G	28	5.545G
29	5.273G	30	5.250G	31	5.387G	32	5.401G
33	5.644G	34	5.268G	35	5.318G	36	5.636G
37	5.523G	38	5.571G	39	5.689G	40	5.599G
41	5.567G	42	5.544G	43	5.641G	44	5.617G
45	5.343G	46	5.340G	47	5.582G	48	5.600G
49	5.285G	50	5.663G	51	5.297G	52	5.428G
53	5.591G	54	5.586G	55	5.607G	56	5.587G
57	5.370G	58	5.534G	59	5.479G	60	5.717G
61	5.252G	62	5.264G	63	5.431G	64	5.394G
65	5.315G	66	5.449G	67	5.283G	68	5.723G
69	5.665G	70	5.322G	71	5.263G	72	5.520G
73	5.312G	74	5.532G	75	5.419G	76	5.668G
77	5.646G	78	5.515G	79	5.486G	80	5.382G
81	5.686G	82	5.397G	83	5.281G	84	5.310G
85	5.489G	86	5.305G	87	5.440G	88	5.444G
89	5.334G	90	5.371G	91	5.573G	92	5.699G
93	5.588G	94	5.565G	95	5.512G	96	5.389G
97	5.527G	98	5.475G	99	5.447G	100	5.289G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.639G	2	5.674G	3	5.322G	4	5.279G
5	5.292G	6	5.340G	7	5.533G	8	5.479G
9	5.568G	10	5.600G	11	5.472G	12	5.374G
13	5.676G	14	5.336G	15	5.371G	16	5.634G
17	5.408G	18	5.398G	19	5.373G	20	5.646G
21	5.487G	22	5.606G	23	5.457G	24	5.673G
25	5.703G	26	5.591G	27	5.297G	28	5.296G
29	5.724G	30	5.352G	31	5.617G	32	5.320G
33	5.631G	34	5.491G	35	5.500G	36	5.545G
37	5.414G	38	5.585G	39	5.709G	40	5.252G
41	5.270G	42	5.623G	43	5.668G	44	5.424G
45	5.385G	46	5.384G	47	5.475G	48	5.357G
49	5.584G	50	5.569G	51	5.717G	52	5.441G
53	5.567G	54	5.636G	55	5.366G	56	5.608G
57	5.655G	58	5.570G	59	5.412G	60	5.358G
61	5.395G	62	5.483G	63	5.512G	64	5.436G
65	5.259G	66	5.651G	67	5.539G	68	5.411G
69	5.300G	70	5.521G	71	5.721G	72	5.597G
73	5.355G	74	5.364G	75	5.278G	76	5.675G
77	5.423G	78	5.654G	79	5.504G	80	5.613G
81	5.518G	82	5.326G	83	5.678G	84	5.443G
85	5.319G	86	5.710G	87	5.537G	88	5.610G
89	5.502G	90	5.559G	91	5.640G	92	5.429G
93	5.451G	94	5.294G	95	5.614G	96	5.557G
97	5.595G	98	5.271G	99	5.288G	100	5.499G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.615G	2	5.518G	3	5.624G	4	5.452G
5	5.438G	6	5.252G	7	5.299G	8	5.305G
9	5.380G	10	5.601G	11	5.521G	12	5.491G
13	5.352G	14	5.693G	15	5.298G	16	5.713G
17	5.599G	18	5.719G	19	5.374G	20	5.429G
21	5.565G	22	5.447G	23	5.523G	24	5.720G
25	5.288G	26	5.610G	27	5.616G	28	5.717G
29	5.662G	30	5.678G	31	5.391G	32	5.579G
33	5.524G	34	5.443G	35	5.398G	36	5.696G
37	5.295G	38	5.652G	39	5.397G	40	5.544G
41	5.300G	42	5.310G	43	5.536G	44	5.530G
45	5.280G	46	5.570G	47	5.667G	48	5.385G



49	5.466G	50	5.458G	51	5.665G	52	5.504G
53	5.611G	54	5.284G	55	5.399G	56	5.278G
57	5.325G	58	5.552G	59	5.419G	60	5.714G
61	5.350G	62	5.258G	63	5.261G	64	5.354G
65	5.642G	66	5.685G	67	5.628G	68	5.390G
69	5.469G	70	5.277G	71	5.561G	72	5.538G
73	5.550G	74	5.476G	75	5.409G	76	5.647G
77	5.405G	78	5.690G	79	5.630G	80	5.547G
81	5.376G	82	5.702G	83	5.326G	84	5.515G
85	5.573G	86	5.514G	87	5.549G	88	5.413G
89	5.437G	90	5.371G	91	5.456G	92	5.501G
93	5.359G	94	5.254G	95	5.625G	96	5.275G
97	5.522G	98	5.474G	99	5.534G	100	5.333G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.516G	2	5.532G	3	5.703G	4	5.643G
5	5.649G	6	5.497G	7	5.638G	8	5.559G
9	5.625G	10	5.329G	11	5.333G	12	5.588G
13	5.350G	14	5.506G	15	5.666G	16	5.636G
17	5.514G	18	5.308G	19	5.406G	20	5.368G
21	5.336G	22	5.337G	23	5.461G	24	5.353G
25	5.686G	26	5.413G	27	5.483G	28	5.689G
29	5.635G	30	5.254G	31	5.587G	32	5.679G
33	5.260G	34	5.401G	35	5.515G	36	5.276G
37	5.496G	38	5.312G	39	5.468G	40	5.251G
41	5.563G	42	5.722G	43	5.286G	44	5.435G
45	5.277G	46	5.723G	47	5.653G	48	5.629G
49	5.331G	50	5.341G	51	5.502G	52	5.695G
53	5.352G	54	5.534G	55	5.313G	56	5.606G
57	5.581G	58	5.669G	59	5.565G	60	5.300G
61	5.338G	62	5.378G	63	5.717G	64	5.391G
65	5.428G	66	5.383G	67	5.342G	68	5.586G
69	5.450G	70	5.278G	71	5.325G	72	5.490G
73	5.381G	74	5.360G	75	5.442G	76	5.452G
77	5.715G	78	5.546G	79	5.561G	80	5.295G
81	5.562G	82	5.472G	83	5.545G	84	5.602G
85	5.377G	86	5.543G	87	5.379G	88	5.569G
89	5.599G	90	5.267G	91	5.677G	92	5.464G
93	5.293G	94	5.456G	95	5.280G	96	5.492G
97	5.432G	98	5.583G	99	5.454G	100	5.305G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.478G	2	5.376G	3	5.623G	4	5.356G
5	5.570G	6	5.290G	7	5.469G	8	5.268G
9	5.452G	10	5.276G	11	5.535G	12	5.647G
13	5.682G	14	5.279G	15	5.532G	16	5.371G
17	5.595G	18	5.441G	19	5.256G	20	5.628G
21	5.710G	22	5.416G	23	5.624G	24	5.306G
25	5.704G	26	5.458G	27	5.549G	28	5.546G
29	5.588G	30	5.530G	31	5.330G	32	5.524G
33	5.571G	34	5.440G	35	5.645G	36	5.516G
37	5.618G	38	5.297G	39	5.331G	40	5.680G
41	5.278G	42	5.409G	43	5.378G	44	5.636G
45	5.702G	46	5.501G	47	5.399G	48	5.481G
49	5.678G	50	5.715G	51	5.364G	52	5.719G
53	5.282G	54	5.413G	55	5.462G	56	5.642G
57	5.602G	58	5.492G	59	5.606G	60	5.691G
61	5.393G	62	5.262G	63	5.313G	64	5.567G
65	5.365G	66	5.716G	67	5.533G	68	5.610G
69	5.348G	70	5.314G	71	5.613G	72	5.292G
73	5.386G	74	5.686G	75	5.308G	76	5.622G
77	5.422G	78	5.394G	79	5.468G	80	5.266G
81	5.389G	82	5.581G	83	5.674G	84	5.683G
85	5.436G	86	5.430G	87	5.635G	88	5.717G
89	5.320G	90	5.697G	91	5.575G	92	5.438G
93	5.327G	94	5.359G	95	5.252G	96	5.685G
97	5.269G	98	5.641G	99	5.638G	100	5.342G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.267G	2	5.549G	3	5.515G	4	5.294G
5	5.324G	6	5.341G	7	5.720G	8	5.483G
9	5.546G	10	5.524G	11	5.642G	12	5.371G
13	5.295G	14	5.543G	15	5.390G	16	5.676G
17	5.534G	18	5.590G	19	5.367G	20	5.542G
21	5.370G	22	5.447G	23	5.397G	24	5.458G
25	5.257G	26	5.395G	27	5.688G	28	5.307G
29	5.304G	30	5.611G	31	5.340G	32	5.389G
33	5.500G	34	5.599G	35	5.306G	36	5.687G
37	5.591G	38	5.373G	39	5.337G	40	5.573G
41	5.480G	42	5.472G	43	5.425G	44	5.628G
45	5.485G	46	5.272G	47	5.338G	48	5.356G



49	5.683G	50	5.420G	51	5.710G	52	5.585G
53	5.360G	54	5.724G	55	5.699G	56	5.300G
57	5.413G	58	5.258G	59	5.608G	60	5.476G
61	5.266G	62	5.601G	63	5.437G	64	5.540G
65	5.557G	66	5.589G	67	5.612G	68	5.250G
69	5.297G	70	5.310G	71	5.505G	72	5.475G
73	5.626G	74	5.533G	75	5.564G	76	5.328G
77	5.613G	78	5.598G	79	5.679G	80	5.344G
81	5.339G	82	5.496G	83	5.264G	84	5.583G
85	5.567G	86	5.320G	87	5.394G	88	5.393G
89	5.593G	90	5.490G	91	5.318G	92	5.701G
93	5.364G	94	5.547G	95	5.671G	96	5.265G
97	5.508G	98	5.404G	99	5.263G	100	5.489G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.258G	2	5.618G	3	5.692G	4	5.598G
5	5.566G	6	5.550G	7	5.427G	8	5.496G
9	5.317G	10	5.488G	11	5.614G	12	5.504G
13	5.257G	14	5.637G	15	5.530G	16	5.582G
17	5.626G	18	5.680G	19	5.621G	20	5.274G
21	5.473G	22	5.442G	23	5.290G	24	5.313G
25	5.679G	26	5.612G	27	5.664G	28	5.433G
29	5.346G	30	5.467G	31	5.352G	32	5.469G
33	5.426G	34	5.617G	35	5.652G	36	5.573G
37	5.539G	38	5.642G	39	5.689G	40	5.303G
41	5.338G	42	5.328G	43	5.555G	44	5.310G
45	5.724G	46	5.715G	47	5.393G	48	5.365G
49	5.500G	50	5.580G	51	5.344G	52	5.333G
53	5.656G	54	5.479G	55	5.490G	56	5.416G
57	5.501G	58	5.484G	59	5.430G	60	5.547G
61	5.321G	62	5.371G	63	5.579G	64	5.421G
65	5.634G	66	5.348G	67	5.414G	68	5.599G
69	5.515G	70	5.255G	71	5.363G	72	5.678G
73	5.357G	74	5.438G	75	5.560G	76	5.690G
77	5.718G	78	5.562G	79	5.708G	80	5.318G
81	5.651G	82	5.407G	83	5.389G	84	5.332G
85	5.491G	86	5.673G	87	5.661G	88	5.446G
89	5.592G	90	5.445G	91	5.279G	92	5.314G
93	5.424G	94	5.685G	95	5.305G	96	5.552G
97	5.419G	98	5.374G	99	5.402G	100	5.657G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.403G	2	5.272G	3	5.624G	4	5.589G
5	5.611G	6	5.626G	7	5.368G	8	5.323G
9	5.385G	10	5.321G	11	5.660G	12	5.390G
13	5.619G	14	5.409G	15	5.511G	16	5.273G
17	5.501G	18	5.515G	19	5.654G	20	5.572G
21	5.480G	22	5.301G	23	5.470G	24	5.437G
25	5.670G	26	5.565G	27	5.434G	28	5.287G
29	5.506G	30	5.556G	31	5.412G	32	5.554G
33	5.264G	34	5.295G	35	5.555G	36	5.357G
37	5.608G	38	5.672G	39	5.292G	40	5.622G
41	5.285G	42	5.491G	43	5.646G	44	5.364G
45	5.452G	46	5.502G	47	5.719G	48	5.661G
49	5.342G	50	5.675G	51	5.347G	52	5.474G
53	5.573G	54	5.533G	55	5.472G	56	5.399G
57	5.341G	58	5.558G	59	5.258G	60	5.522G
61	5.440G	62	5.293G	63	5.716G	64	5.410G
65	5.627G	66	5.618G	67	5.549G	68	5.550G
69	5.488G	70	5.708G	71	5.288G	72	5.490G
73	5.463G	74	5.379G	75	5.706G	76	5.254G
77	5.683G	78	5.637G	79	5.489G	80	5.263G
81	5.446G	82	5.382G	83	5.519G	84	5.426G
85	5.690G	86	5.420G	87	5.419G	88	5.647G
89	5.445G	90	5.667G	91	5.468G	92	5.662G
93	5.433G	94	5.335G	95	5.676G	96	5.508G
97	5.594G	98	5.417G	99	5.559G	100	5.261G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.470G	2	5.462G	3	5.425G	4	5.411G
5	5.563G	6	5.427G	7	5.383G	8	5.298G
9	5.531G	10	5.610G	11	5.577G	12	5.674G
13	5.719G	14	5.707G	15	5.375G	16	5.349G
17	5.579G	18	5.388G	19	5.564G	20	5.367G
21	5.585G	22	5.510G	23	5.421G	24	5.256G
25	5.594G	26	5.324G	27	5.342G	28	5.272G
29	5.407G	30	5.457G	31	5.520G	32	5.483G
33	5.710G	34	5.309G	35	5.611G	36	5.669G
37	5.254G	38	5.422G	39	5.463G	40	5.471G
41	5.356G	42	5.446G	43	5.493G	44	5.599G
45	5.337G	46	5.426G	47	5.519G	48	5.395G



49	5.491G	50	5.404G	51	5.393G	52	5.355G
53	5.339G	54	5.401G	55	5.475G	56	5.715G
57	5.633G	58	5.554G	59	5.603G	60	5.428G
61	5.378G	62	5.618G	63	5.268G	64	5.507G
65	5.666G	66	5.695G	67	5.280G	68	5.334G
69	5.600G	70	5.623G	71	5.492G	72	5.307G
73	5.513G	74	5.596G	75	5.660G	76	5.612G
77	5.325G	78	5.351G	79	5.686G	80	5.263G
81	5.559G	82	5.381G	83	5.642G	84	5.460G
85	5.474G	86	5.489G	87	5.704G	88	5.251G
89	5.606G	90	5.399G	91	5.417G	92	5.317G
93	5.389G	94	5.373G	95	5.663G	96	5.261G
97	5.285G	98	5.311G	99	5.699G	100	5.635G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.425G	2	5.436G	3	5.683G	4	5.689G
5	5.569G	6	5.312G	7	5.472G	8	5.302G
9	5.619G	10	5.584G	11	5.555G	12	5.718G
13	5.261G	14	5.621G	15	5.554G	16	5.444G
17	5.521G	18	5.613G	19	5.628G	20	5.561G
21	5.642G	22	5.550G	23	5.463G	24	5.720G
25	5.437G	26	5.562G	27	5.449G	28	5.580G
29	5.299G	30	5.500G	31	5.483G	32	5.372G
33	5.542G	34	5.350G	35	5.408G	36	5.667G
37	5.687G	38	5.456G	39	5.523G	40	5.536G
41	5.400G	42	5.358G	43	5.655G	44	5.663G
45	5.577G	46	5.565G	47	5.462G	48	5.454G
49	5.284G	50	5.634G	51	5.568G	52	5.289G
53	5.291G	54	5.490G	55	5.285G	56	5.611G
57	5.492G	58	5.379G	59	5.641G	60	5.309G
61	5.367G	62	5.609G	63	5.343G	64	5.506G
65	5.320G	66	5.576G	67	5.657G	68	5.329G
69	5.377G	70	5.551G	71	5.604G	72	5.592G
73	5.433G	74	5.656G	75	5.629G	76	5.294G
77	5.587G	78	5.529G	79	5.717G	80	5.659G
81	5.441G	82	5.660G	83	5.596G	84	5.440G
85	5.690G	86	5.478G	87	5.540G	88	5.421G
89	5.342G	90	5.373G	91	5.392G	92	5.582G
93	5.493G	94	5.498G	95	5.415G	96	5.371G
97	5.374G	98	5.685G	99	5.538G	100	5.709G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.629G	2	5.327G	3	5.422G	4	5.622G
5	5.535G	6	5.672G	7	5.462G	8	5.500G
9	5.463G	10	5.262G	11	5.691G	12	5.577G
13	5.353G	14	5.345G	15	5.464G	16	5.398G
17	5.473G	18	5.602G	19	5.578G	20	5.333G
21	5.518G	22	5.382G	23	5.690G	24	5.706G
25	5.267G	26	5.697G	27	5.337G	28	5.404G
29	5.620G	30	5.490G	31	5.584G	32	5.428G
33	5.560G	34	5.474G	35	5.696G	36	5.703G
37	5.348G	38	5.710G	39	5.278G	40	5.354G
41	5.388G	42	5.660G	43	5.438G	44	5.291G
45	5.559G	46	5.434G	47	5.451G	48	5.698G
49	5.392G	50	5.699G	51	5.694G	52	5.585G
53	5.503G	54	5.499G	55	5.666G	56	5.552G
57	5.378G	58	5.652G	59	5.614G	60	5.347G
61	5.644G	62	5.608G	63	5.541G	64	5.417G
65	5.332G	66	5.610G	67	5.648G	68	5.273G
69	5.330G	70	5.521G	71	5.647G	72	5.478G
73	5.637G	74	5.295G	75	5.716G	76	5.509G
77	5.261G	78	5.435G	79	5.469G	80	5.383G
81	5.630G	82	5.480G	83	5.598G	84	5.570G
85	5.270G	86	5.458G	87	5.487G	88	5.386G
89	5.259G	90	5.410G	91	5.667G	92	5.316G
93	5.623G	94	5.433G	95	5.528G	96	5.550G
97	5.402G	98	5.704G	99	5.673G	100	5.362G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.588G	2	5.392G	3	5.462G	4	5.477G
5	5.692G	6	5.629G	7	5.411G	8	5.696G
9	5.400G	10	5.254G	11	5.432G	12	5.485G
13	5.503G	14	5.580G	15	5.562G	16	5.587G
17	5.487G	18	5.492G	19	5.435G	20	5.427G
21	5.713G	22	5.455G	23	5.539G	24	5.592G
25	5.390G	26	5.403G	27	5.641G	28	5.355G
29	5.499G	30	5.717G	31	5.475G	32	5.367G
33	5.279G	34	5.371G	35	5.318G	36	5.421G
37	5.550G	38	5.549G	39	5.571G	40	5.284G
41	5.484G	42	5.491G	43	5.401G	44	5.697G
45	5.426G	46	5.706G	47	5.472G	48	5.615G



49	5.266G	50	5.687G	51	5.690G	52	5.285G
53	5.464G	54	5.695G	55	5.420G	56	5.415G
57	5.602G	58	5.352G	59	5.663G	60	5.617G
61	5.270G	62	5.393G	63	5.463G	64	5.281G
65	5.684G	66	5.627G	67	5.253G	68	5.496G
69	5.333G	70	5.358G	71	5.628G	72	5.389G
73	5.373G	74	5.260G	75	5.336G	76	5.391G
77	5.596G	78	5.498G	79	5.534G	80	5.398G
81	5.557G	82	5.417G	83	5.513G	84	5.448G
85	5.542G	86	5.324G	87	5.625G	88	5.668G
89	5.524G	90	5.673G	91	5.669G	92	5.347G
93	5.385G	94	5.444G	95	5.441G	96	5.612G
97	5.271G	98	5.362G	99	5.638G	100	5.518G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.713G	2	5.637G	3	5.535G	4	5.383G
5	5.365G	6	5.597G	7	5.542G	8	5.272G
9	5.371G	10	5.397G	11	5.591G	12	5.266G
13	5.367G	14	5.695G	15	5.694G	16	5.501G
17	5.258G	18	5.693G	19	5.690G	20	5.460G
21	5.689G	22	5.672G	23	5.459G	24	5.355G
25	5.260G	26	5.388G	27	5.543G	28	5.306G
29	5.596G	30	5.619G	31	5.379G	32	5.271G
33	5.700G	34	5.579G	35	5.381G	36	5.373G
37	5.520G	38	5.344G	39	5.665G	40	5.675G
41	5.380G	42	5.632G	43	5.600G	44	5.277G
45	5.607G	46	5.447G	47	5.506G	48	5.456G
49	5.370G	50	5.720G	51	5.625G	52	5.342G
53	5.692G	54	5.311G	55	5.516G	56	5.536G
57	5.392G	58	5.414G	59	5.375G	60	5.471G
61	5.453G	62	5.529G	63	5.465G	64	5.510G
65	5.572G	66	5.387G	67	5.549G	68	5.420G
69	5.611G	70	5.613G	71	5.681G	72	5.488G
73	5.429G	74	5.655G	75	5.297G	76	5.685G
77	5.436G	78	5.480G	79	5.664G	80	5.320G
81	5.432G	82	5.641G	83	5.468G	84	5.556G
85	5.334G	86	5.279G	87	5.629G	88	5.254G
89	5.550G	90	5.393G	91	5.314G	92	5.584G
93	5.668G	94	5.466G	95	5.490G	96	5.509G
97	5.684G	98	5.500G	99	5.364G	100	5.374G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.685G	2	5.605G	3	5.337G	4	5.614G
5	5.552G	6	5.515G	7	5.499G	8	5.528G
9	5.371G	10	5.644G	11	5.701G	12	5.688G
13	5.583G	14	5.374G	15	5.603G	16	5.661G
17	5.534G	18	5.362G	19	5.474G	20	5.475G
21	5.484G	22	5.676G	23	5.355G	24	5.507G
25	5.641G	26	5.496G	27	5.587G	28	5.420G
29	5.409G	30	5.299G	31	5.594G	32	5.596G
33	5.539G	34	5.427G	35	5.285G	36	5.620G
37	5.473G	38	5.498G	39	5.322G	40	5.361G
41	5.369G	42	5.354G	43	5.429G	44	5.575G
45	5.464G	46	5.380G	47	5.647G	48	5.568G
49	5.461G	50	5.531G	51	5.497G	52	5.720G
53	5.281G	54	5.271G	55	5.719G	56	5.663G
57	5.622G	58	5.292G	59	5.293G	60	5.687G
61	5.478G	62	5.601G	63	5.547G	64	5.572G
65	5.541G	66	5.619G	67	5.304G	68	5.462G
69	5.346G	70	5.414G	71	5.516G	72	5.483G
73	5.327G	74	5.283G	75	5.558G	76	5.625G
77	5.692G	78	5.683G	79	5.521G	80	5.643G
81	5.482G	82	5.267G	83	5.330G	84	5.562G
85	5.591G	86	5.391G	87	5.553G	88	5.331G
89	5.540G	90	5.714G	91	5.403G	92	5.363G
93	5.640G	94	5.324G	95	5.721G	96	5.501G
97	5.592G	98	5.486G	99	5.590G	100	5.435G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.654G	2	5.396G	3	5.690G	4	5.535G
5	5.657G	6	5.390G	7	5.301G	8	5.318G
9	5.411G	10	5.607G	11	5.374G	12	5.449G
13	5.328G	14	5.399G	15	5.502G	16	5.469G
17	5.616G	18	5.394G	19	5.573G	20	5.321G
21	5.407G	22	5.511G	23	5.550G	24	5.397G
25	5.708G	26	5.580G	27	5.655G	28	5.281G
29	5.457G	30	5.316G	31	5.640G	32	5.549G
33	5.406G	34	5.568G	35	5.637G	36	5.367G
37	5.290G	38	5.638G	39	5.269G	40	5.543G
41	5.258G	42	5.391G	43	5.575G	44	5.579G
45	5.603G	46	5.417G	47	5.554G	48	5.700G



49	5.593G	50	5.587G	51	5.423G	52	5.361G
53	5.309G	54	5.496G	55	5.284G	56	5.473G
57	5.594G	58	5.671G	59	5.561G	60	5.330G
61	5.551G	62	5.685G	63	5.612G	64	5.415G
65	5.439G	66	5.435G	67	5.304G	68	5.699G
69	5.470G	70	5.362G	71	5.442G	72	5.349G
73	5.527G	74	5.283G	75	5.596G	76	5.311G
77	5.545G	78	5.426G	79	5.488G	80	5.371G
81	5.635G	82	5.376G	83	5.460G	84	5.331G
85	5.306G	86	5.650G	87	5.485G	88	5.345G
89	5.261G	90	5.251G	91	5.481G	92	5.446G
93	5.422G	94	5.425G	95	5.497G	96	5.679G
97	5.698G	98	5.599G	99	5.365G	100	5.723G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.269G	2	5.595G	3	5.284G	4	5.572G
5	5.310G	6	5.368G	7	5.529G	8	5.577G
9	5.634G	10	5.713G	11	5.478G	12	5.377G
13	5.578G	14	5.299G	15	5.588G	16	5.534G
17	5.492G	18	5.406G	19	5.723G	20	5.535G
21	5.419G	22	5.717G	23	5.424G	24	5.511G
25	5.693G	26	5.715G	27	5.672G	28	5.673G
29	5.254G	30	5.528G	31	5.581G	32	5.586G
33	5.457G	34	5.319G	35	5.330G	36	5.539G
37	5.590G	38	5.509G	39	5.336G	40	5.413G
41	5.388G	42	5.598G	43	5.374G	44	5.318G
45	5.643G	46	5.353G	47	5.596G	48	5.414G
49	5.260G	50	5.685G	51	5.628G	52	5.362G
53	5.496G	54	5.592G	55	5.512G	56	5.283G
57	5.594G	58	5.499G	59	5.281G	60	5.686G
61	5.520G	62	5.428G	63	5.375G	64	5.271G
65	5.366G	66	5.502G	67	5.279G	68	5.291G
69	5.358G	70	5.554G	71	5.454G	72	5.500G
73	5.664G	74	5.391G	75	5.431G	76	5.504G
77	5.591G	78	5.314G	79	5.422G	80	5.644G
81	5.417G	82	5.631G	83	5.301G	84	5.568G
85	5.389G	86	5.497G	87	5.381G	88	5.719G
89	5.470G	90	5.483G	91	5.364G	92	5.351G
93	5.297G	94	5.357G	95	5.309G	96	5.432G
97	5.339G	98	5.332G	99	5.308G	100	5.621G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.460G	2	5.511G	3	5.646G	4	5.325G
5	5.711G	6	5.478G	7	5.407G	8	5.662G
9	5.293G	10	5.381G	11	5.411G	12	5.465G
13	5.604G	14	5.440G	15	5.661G	16	5.483G
17	5.544G	18	5.295G	19	5.389G	20	5.412G
21	5.705G	22	5.342G	23	5.294G	24	5.678G
25	5.439G	26	5.450G	27	5.363G	28	5.330G
29	5.575G	30	5.418G	31	5.667G	32	5.696G
33	5.368G	34	5.375G	35	5.477G	36	5.453G
37	5.580G	38	5.602G	39	5.699G	40	5.584G
41	5.636G	42	5.474G	43	5.543G	44	5.488G
45	5.601G	46	5.408G	47	5.374G	48	5.665G
49	5.403G	50	5.377G	51	5.653G	52	5.292G
53	5.385G	54	5.712G	55	5.500G	56	5.540G
57	5.367G	58	5.673G	59	5.647G	60	5.404G
61	5.714G	62	5.650G	63	5.586G	64	5.664G
65	5.409G	66	5.364G	67	5.280G	68	5.663G
69	5.644G	70	5.681G	71	5.253G	72	5.355G
73	5.312G	74	5.593G	75	5.328G	76	5.382G
77	5.614G	78	5.657G	79	5.288G	80	5.611G
81	5.645G	82	5.346G	83	5.398G	84	5.651G
85	5.613G	86	5.568G	87	5.419G	88	5.473G
89	5.539G	90	5.446G	91	5.387G	92	5.402G
93	5.660G	94	5.324G	95	5.286G	96	5.296G
97	5.565G	98	5.532G	99	5.691G	100	5.549G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.440G	2	5.566G	3	5.481G	4	5.665G
5	5.724G	6	5.639G	7	5.482G	8	5.310G
9	5.261G	10	5.265G	11	5.718G	12	5.426G
13	5.582G	14	5.264G	15	5.707G	16	5.698G
17	5.702G	18	5.708G	19	5.384G	20	5.270G
21	5.466G	22	5.590G	23	5.565G	24	5.471G
25	5.436G	26	5.710G	27	5.346G	28	5.432G
29	5.285G	30	5.470G	31	5.528G	32	5.599G
33	5.318G	34	5.658G	35	5.283G	36	5.676G
37	5.406G	38	5.514G	39	5.697G	40	5.371G
41	5.502G	42	5.327G	43	5.723G	44	5.501G
45	5.608G	46	5.625G	47	5.543G	48	5.407G



49	5.295G	50	5.424G	51	5.601G	52	5.589G
53	5.483G	54	5.624G	55	5.256G	56	5.646G
57	5.660G	58	5.657G	59	5.351G	60	5.267G
61	5.488G	62	5.507G	63	5.552G	64	5.396G
65	5.517G	66	5.610G	67	5.373G	68	5.705G
69	5.448G	70	5.461G	71	5.331G	72	5.703G
73	5.339G	74	5.301G	75	5.541G	76	5.538G
77	5.600G	78	5.492G	79	5.382G	80	5.393G
81	5.562G	82	5.719G	83	5.260G	84	5.364G
85	5.362G	86	5.409G	87	5.709G	88	5.445G
89	5.545G	90	5.631G	91	5.522G	92	5.677G
93	5.622G	94	5.422G	95	5.391G	96	5.667G
97	5.268G	98	5.383G	99	5.480G	100	5.550G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.673G	2	5.529G	3	5.477G	4	5.474G
5	5.266G	6	5.536G	7	5.592G	8	5.523G
9	5.616G	10	5.598G	11	5.534G	12	5.310G
13	5.542G	14	5.524G	15	5.718G	16	5.274G
17	5.400G	18	5.306G	19	5.503G	20	5.597G
21	5.576G	22	5.311G	23	5.468G	24	5.559G
25	5.417G	26	5.601G	27	5.250G	28	5.499G
29	5.521G	30	5.538G	31	5.609G	32	5.618G
33	5.277G	34	5.350G	35	5.340G	36	5.670G
37	5.388G	38	5.558G	39	5.656G	40	5.290G
41	5.508G	42	5.501G	43	5.433G	44	5.667G
45	5.631G	46	5.439G	47	5.325G	48	5.531G
49	5.369G	50	5.461G	51	5.517G	52	5.356G
53	5.416G	54	5.605G	55	5.441G	56	5.648G
57	5.485G	58	5.674G	59	5.463G	60	5.449G
61	5.696G	62	5.697G	63	5.569G	64	5.276G
65	5.719G	66	5.362G	67	5.264G	68	5.721G
69	5.593G	70	5.722G	71	5.297G	72	5.687G
73	5.600G	74	5.554G	75	5.512G	76	5.446G
77	5.396G	78	5.543G	79	5.462G	80	5.401G
81	5.313G	82	5.472G	83	5.332G	84	5.622G
85	5.700G	86	5.646G	87	5.486G	88	5.628G
89	5.490G	90	5.603G	91	5.377G	92	5.328G
93	5.280G	94	5.372G	95	5.541G	96	5.381G
97	5.672G	98	5.273G	99	5.425G	100	5.379G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.432G	2	5.539G	3	5.372G	4	5.407G
5	5.430G	6	5.509G	7	5.301G	8	5.332G
9	5.696G	10	5.470G	11	5.307G	12	5.686G
13	5.615G	14	5.385G	15	5.276G	16	5.722G
17	5.275G	18	5.647G	19	5.294G	20	5.684G
21	5.535G	22	5.434G	23	5.650G	24	5.266G
25	5.444G	26	5.569G	27	5.480G	28	5.640G
29	5.589G	30	5.592G	31	5.309G	32	5.349G
33	5.425G	34	5.409G	35	5.459G	36	5.324G
37	5.602G	38	5.254G	39	5.300G	40	5.264G
41	5.331G	42	5.335G	43	5.627G	44	5.706G
45	5.361G	46	5.265G	47	5.575G	48	5.303G
49	5.260G	50	5.570G	51	5.604G	52	5.581G
53	5.387G	54	5.395G	55	5.433G	56	5.329G
57	5.367G	58	5.603G	59	5.422G	60	5.252G
61	5.312G	62	5.532G	63	5.505G	64	5.639G
65	5.528G	66	5.427G	67	5.558G	68	5.637G
69	5.310G	70	5.633G	71	5.393G	72	5.626G
73	5.497G	74	5.708G	75	5.255G	76	5.560G
77	5.438G	78	5.493G	79	5.405G	80	5.344G
81	5.517G	82	5.370G	83	5.607G	84	5.363G
85	5.375G	86	5.348G	87	5.609G	88	5.530G
89	5.272G	90	5.666G	91	5.283G	92	5.681G
93	5.703G	94	5.449G	95	5.502G	96	5.386G
97	5.250G	98	5.369G	99	5.482G	100	5.540G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.307G	2	5.256G	3	5.583G	4	5.432G
5	5.387G	6	5.380G	7	5.668G	8	5.511G
9	5.709G	10	5.650G	11	5.614G	12	5.660G
13	5.529G	14	5.282G	15	5.596G	16	5.638G
17	5.700G	18	5.316G	19	5.454G	20	5.291G
21	5.602G	22	5.262G	23	5.605G	24	5.390G
25	5.509G	26	5.493G	27	5.472G	28	5.320G
29	5.319G	30	5.534G	31	5.502G	32	5.356G
33	5.690G	34	5.530G	35	5.601G	36	5.382G
37	5.276G	38	5.613G	39	5.689G	40	5.346G
41	5.487G	42	5.462G	43	5.357G	44	5.723G
45	5.573G	46	5.559G	47	5.376G	48	5.551G



49	5.306G	50	5.663G	51	5.576G	52	5.359G
53	5.532G	54	5.448G	55	5.568G	56	5.486G
57	5.703G	58	5.318G	59	5.625G	60	5.498G
61	5.309G	62	5.705G	63	5.720G	64	5.546G
65	5.499G	66	5.556G	67	5.632G	68	5.263G
69	5.531G	70	5.712G	71	5.296G	72	5.322G
73	5.257G	74	5.375G	75	5.581G	76	5.274G
77	5.328G	78	5.481G	79	5.349G	80	5.640G
81	5.497G	82	5.598G	83	5.450G	84	5.619G
85	5.544G	86	5.641G	87	5.343G	88	5.715G
89	5.550G	90	5.688G	91	5.394G	92	5.423G
93	5.706G	94	5.554G	95	5.617G	96	5.611G
97	5.430G	98	5.287G	99	5.314G	100	5.674G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.452G	2	5.559G	3	5.318G	4	5.464G
5	5.295G	6	5.442G	7	5.715G	8	5.332G
9	5.371G	10	5.476G	11	5.543G	12	5.297G
13	5.712G	14	5.698G	15	5.498G	16	5.306G
17	5.672G	18	5.607G	19	5.523G	20	5.549G
21	5.422G	22	5.251G	23	5.474G	24	5.407G
25	5.373G	26	5.635G	27	5.409G	28	5.618G
29	5.636G	30	5.534G	31	5.302G	32	5.632G
33	5.475G	34	5.581G	35	5.346G	36	5.266G
37	5.542G	38	5.398G	39	5.667G	40	5.335G
41	5.496G	42	5.511G	43	5.437G	44	5.689G
45	5.569G	46	5.582G	47	5.668G	48	5.690G
49	5.492G	50	5.382G	51	5.321G	52	5.602G
53	5.256G	54	5.691G	55	5.264G	56	5.720G
57	5.386G	58	5.458G	59	5.544G	60	5.508G
61	5.404G	62	5.454G	63	5.268G	64	5.278G
65	5.401G	66	5.600G	67	5.710G	68	5.447G
69	5.448G	70	5.381G	71	5.708G	72	5.674G
73	5.359G	74	5.714G	75	5.486G	76	5.377G
77	5.550G	78	5.293G	79	5.441G	80	5.366G
81	5.315G	82	5.430G	83	5.415G	84	5.679G
85	5.364G	86	5.554G	87	5.565G	88	5.331G
89	5.597G	90	5.546G	91	5.608G	92	5.342G
93	5.468G	94	5.584G	95	5.326G	96	5.479G
97	5.316G	98	5.645G	99	5.485G	100	5.622G