DFS TEST REPORT

REPORT NO.: RF970520L05A-1
MODEL NO.: DGL-4500
RECEIVED: May 22, 2008
TESTED: Nov. 20, 2008
ISSUED: Dec. 29, 2008

APPLICANT: D-Link Corporation

ADDRESS: 17595 Mt. Herrmann, Fountain Valley, CA 92708, U.S.A.

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

TEST LOCATION: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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Table of Contents

1. LAB DECLARATION

PRODUCT:	Xtreme N GAMING ROUTER
MODEL:	DGL-4500
BRAND:	D-Link
APPLICANT:	D-Link Corporation
TEST SAMPLE:	ENGINEERING SAMPLE
TESTED:	Nov. 20, 2008
STANDARDS:	**FCC Part 15, Subpart E (Section 15.407)** **FCC 06-96**

The above equipment (Model: DGL-4500) 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.

PREPARED BY : Andrea Hsia , **DATE:** Dec. 29, 2008
Andrea Hsia / Specialist

TECHNICAL ACCEPTANCE : Long Chen , **DATE:** Dec. 29, 2008
Responsible for RF Long Chen / Senior Engineer

APPROVED BY : Gary Chang , **DATE:** Dec. 29, 2008
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	Xtreme N GAMING ROUTER	DGL-4500	1.16

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

Table 3: Antenna list

Ant NO.	Antenna	Type	Operation Frequency Range	Max. Gain(dBi)
1	Dipole	Dipole	5250 – 5350 MHz	2
1	Dipole	Dipole	5470 – 5725 MHz	2

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	14.61	28.907	12.5	17.783
1	5470~5725	15.01	31.696	12.5	17.783

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	15.49	35.371	12.50	17.783
1	5470~5725	15.37	34.444	12.50	17.783

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	15.52	35.625	12.50	17.783
1	5470~5725	15.36	34.338	12.50	17.783

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	16.61	45.814	14.50	28.184
1	5470~5725	17.01	50.234	14.50	28.184

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	17.49	56.105	14.5	28.184
1	5470~5725	17.37	54.576	14.5	28.184

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	17.52	56.494	14.50	28.184
1	5470~5725	17.36	54.450	14.50	28.184

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	✓	✓	✓
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	IEEE 802.11a/b/g/n Cardbus	ATHEROS	AR5BCB-0072TA	PPD-AR5BCB-00072

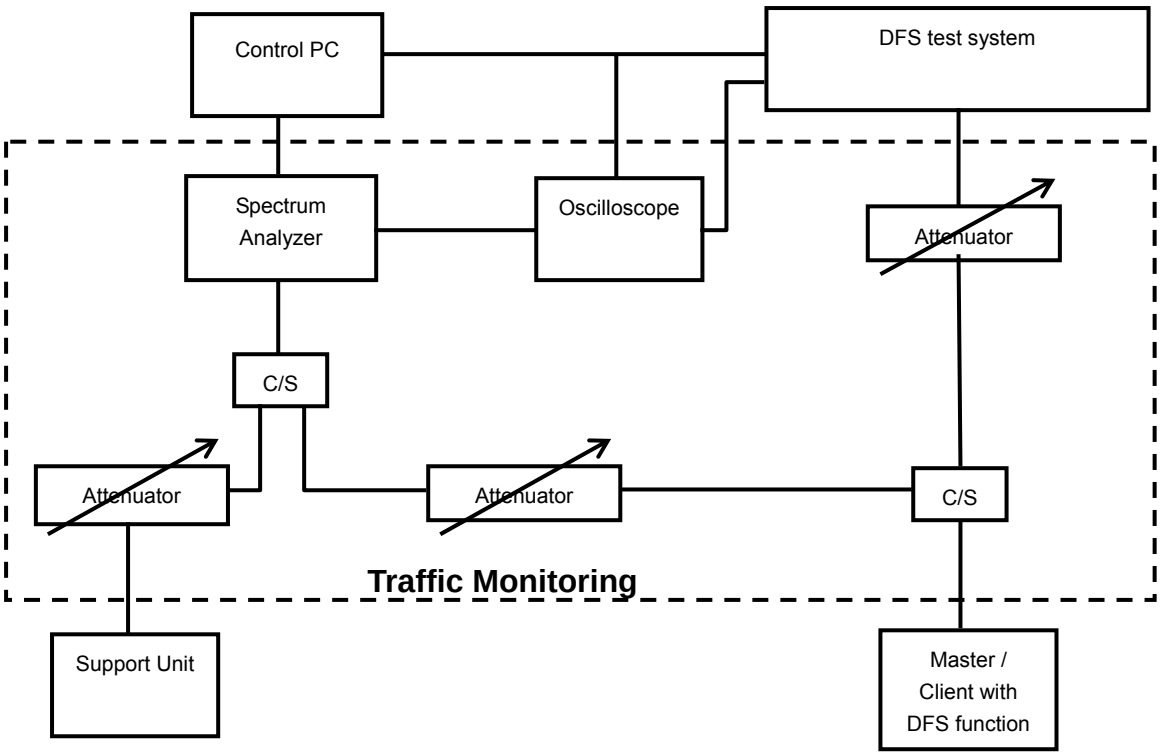
Note: This device was functioned as a □Master ■Slave device during the DFS test.

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

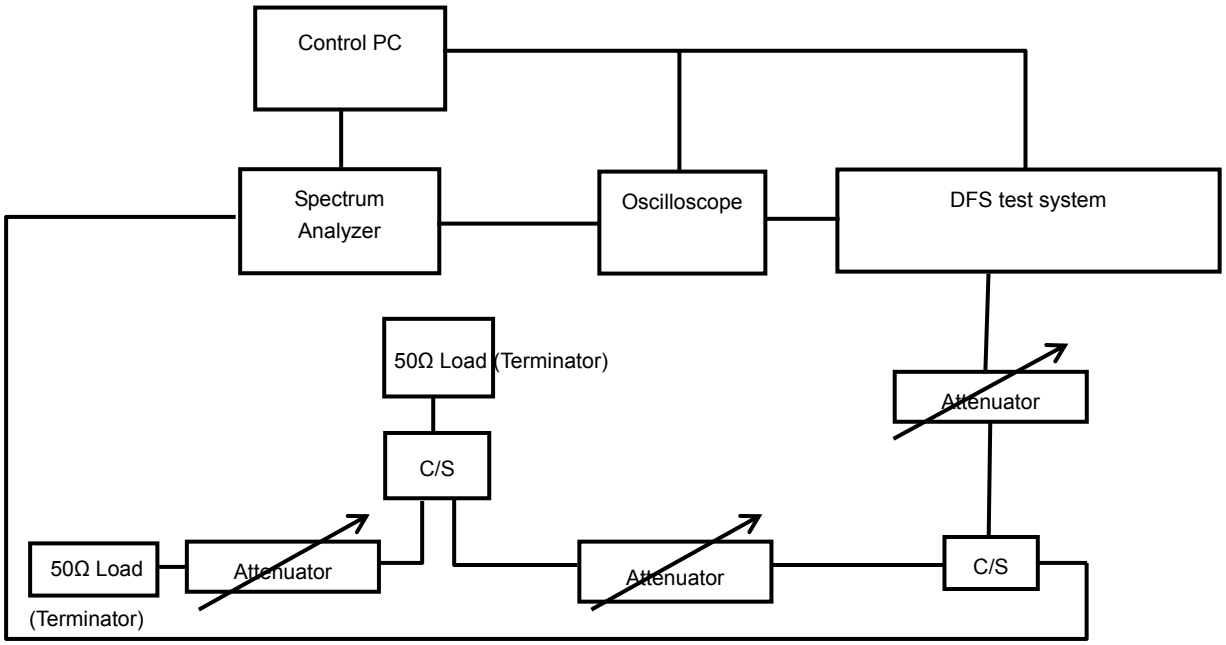


The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at: http://ntiacsd.ntia.doc.gov/dfs/.

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 2dBi Cable loss is 1dB, margin is 3 dB and required detection threshold is -64dBm (= -62 +2-1-3).

Conducted setup configuration of Calibration of DFS Detection Threshold Level

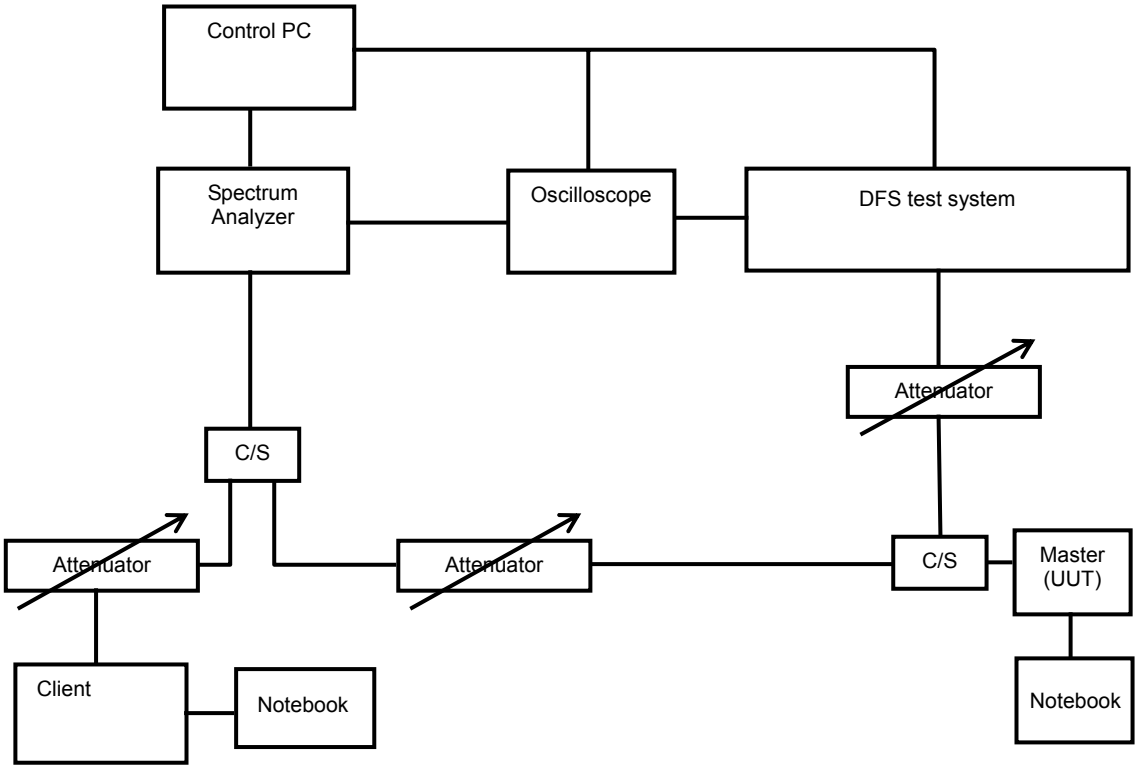


5.3 DEVIATION FROM TEST STANDARD

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

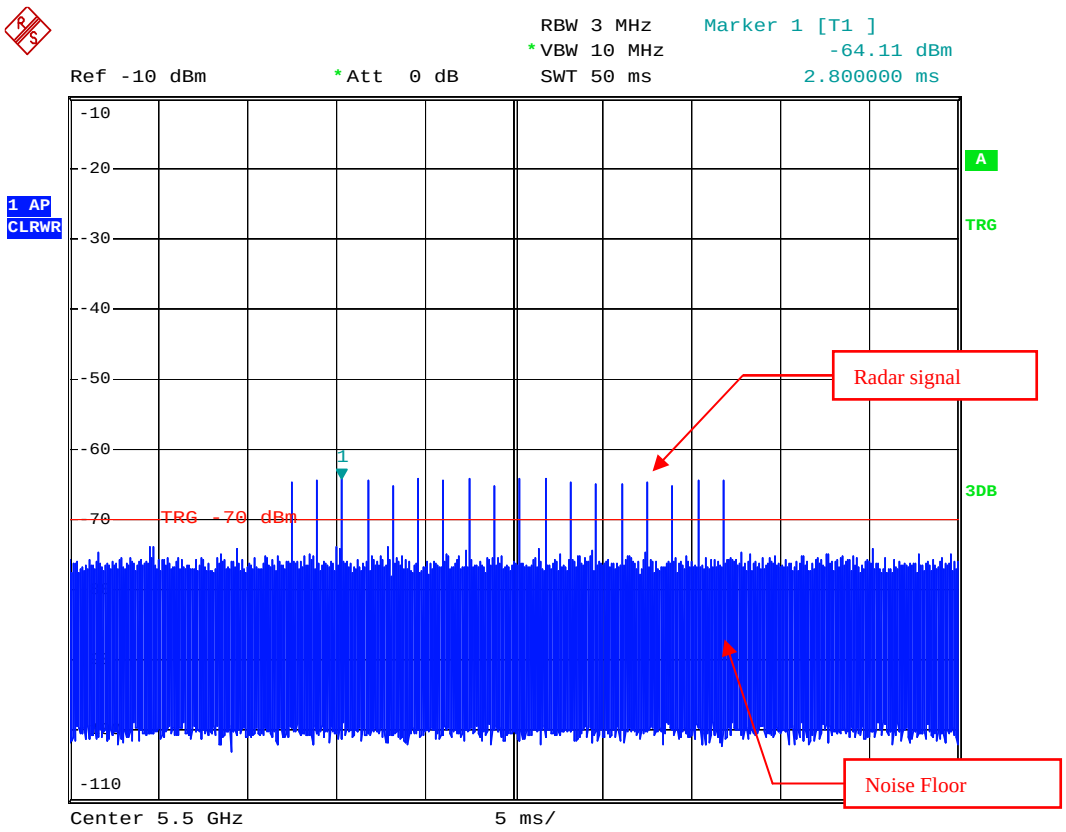
6.2 DETELED TEST RESULTS

6.2.1 TEST MODE: DEVICE OPERATING IN MASTER MODE.

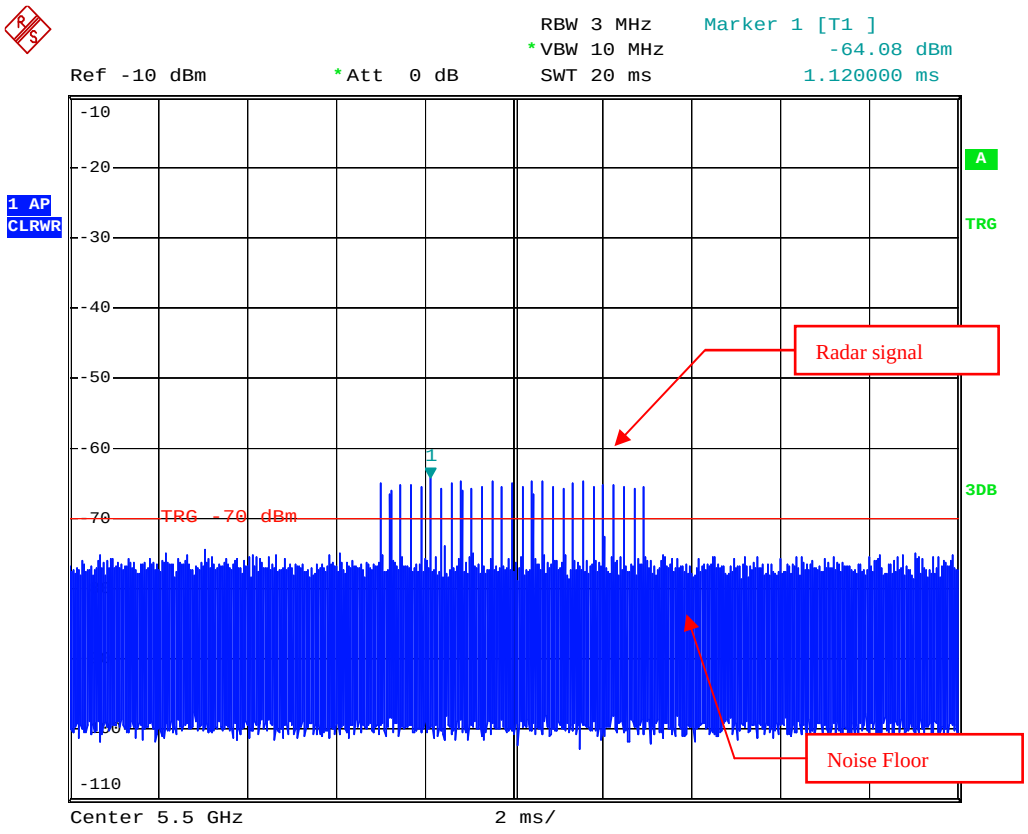
Master with injection at the Master (Radar Test Waveforms are injected into the Master

6.2.1.1 DFS DETECTION THRESHOLD

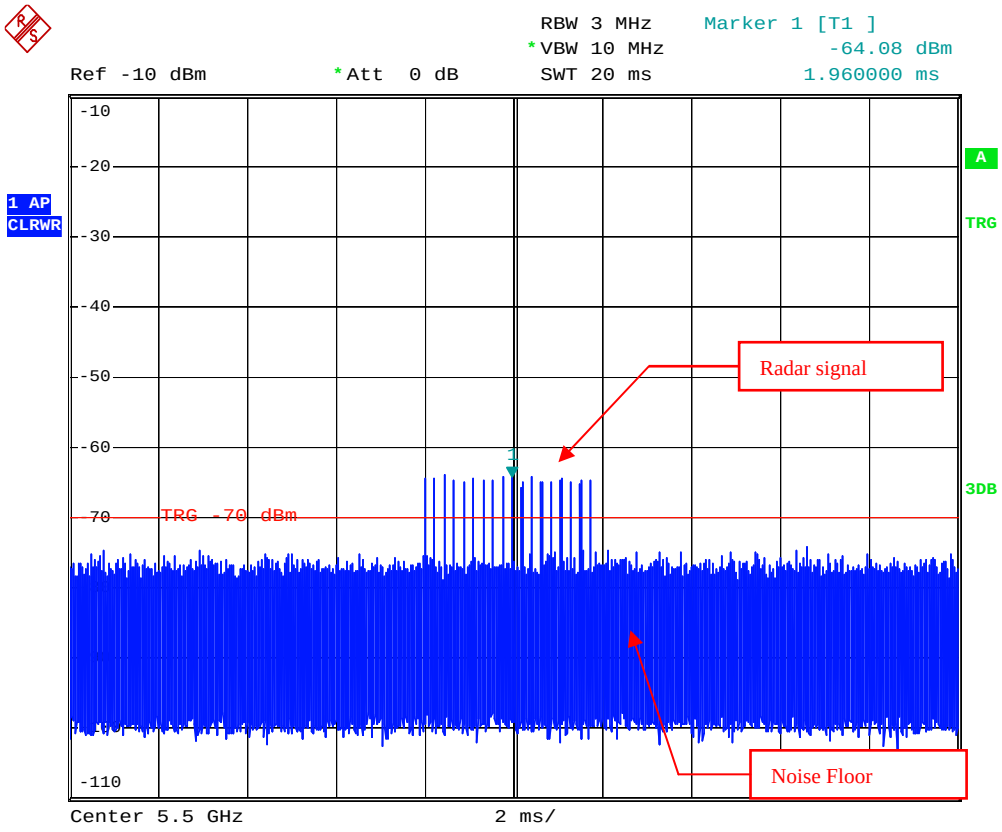
For a detection threshold level of –62dBm and the Master antenna gain is 2 dBi, Cable loss is 1 dB , Margain is 3 dB and required detection threshold is -64 dBm (= -62 +2-1-3).. The conducted radar burst level is set to -64 dBm.



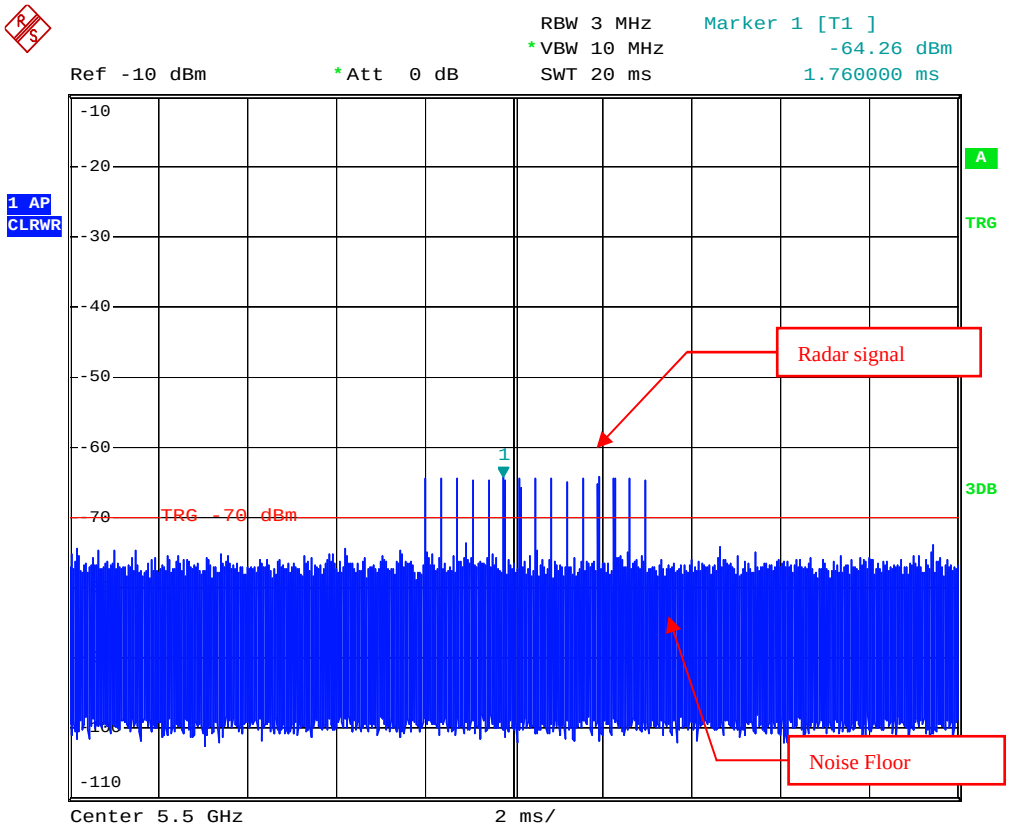
Radar Signal 1



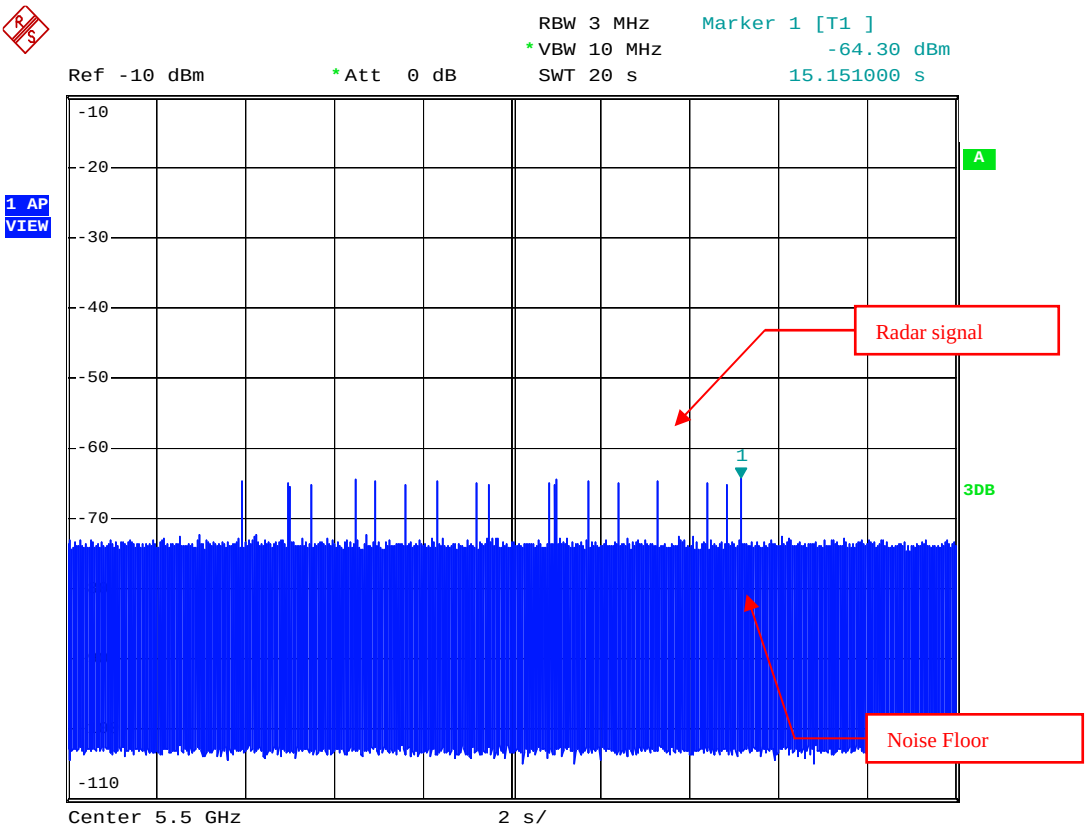
Radar Signal 2



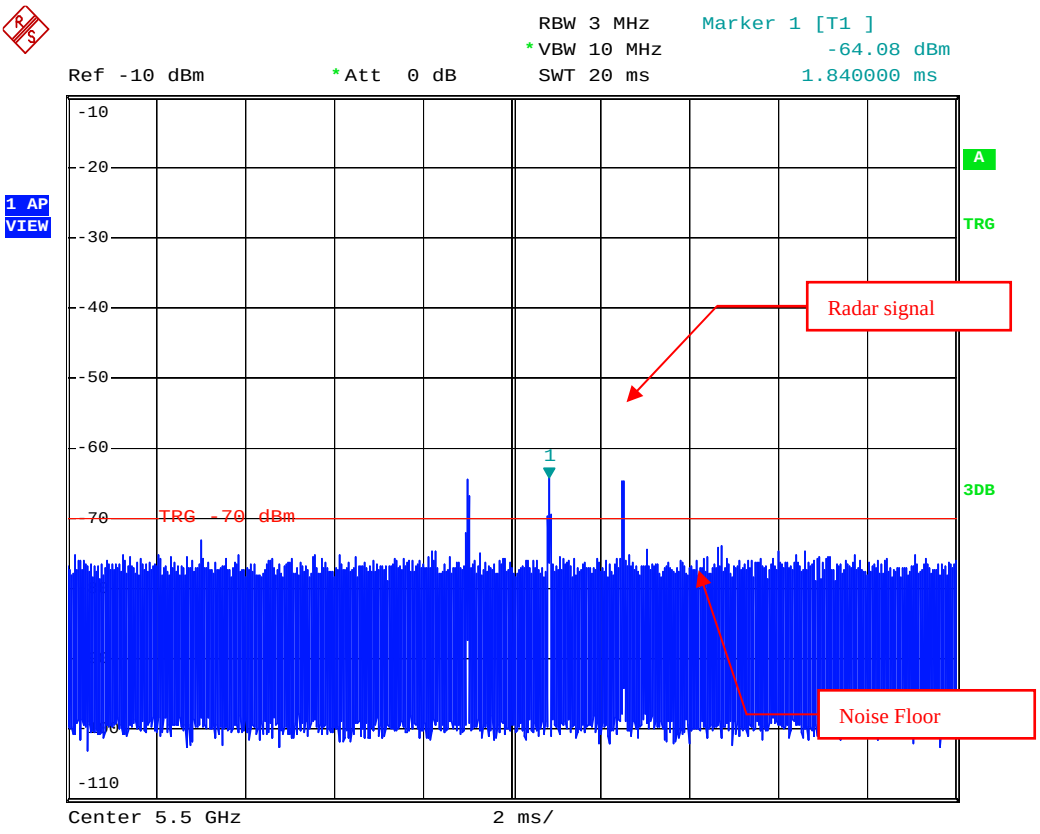
Radar Signal 3



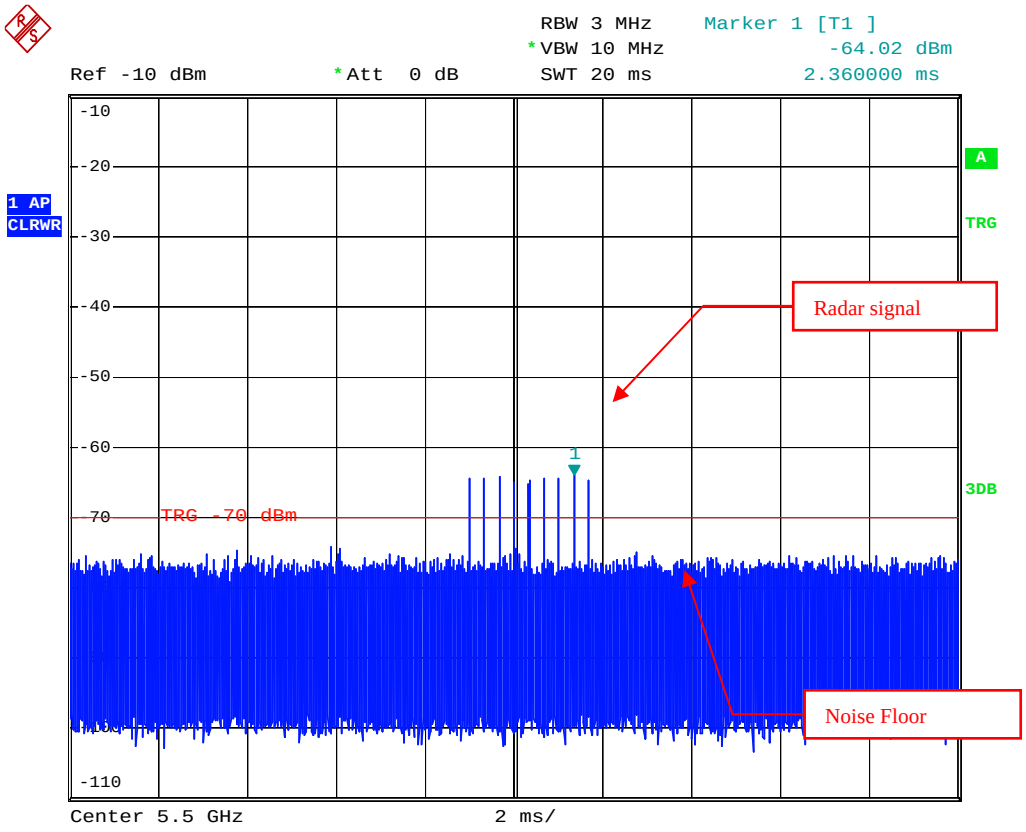
Radar Signal 4



Radar Signal 5



Single Burst of Radar Signal 5



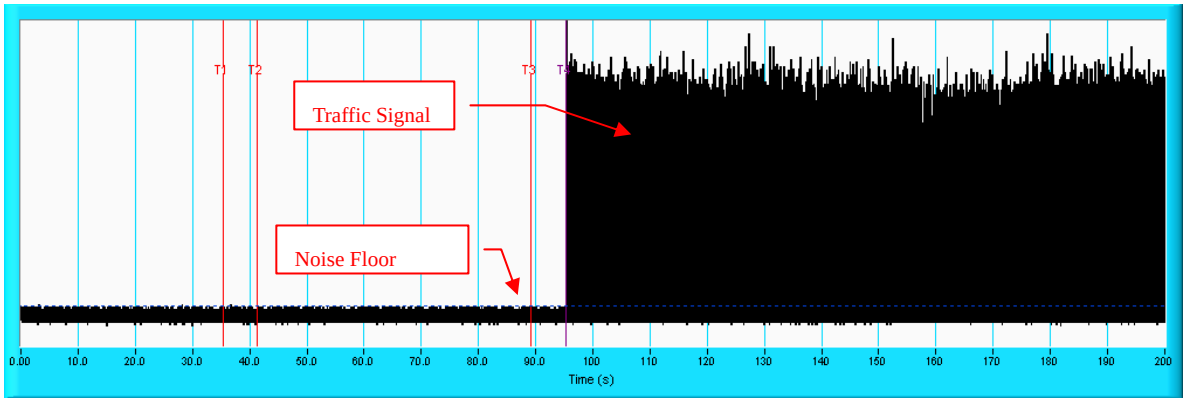
Radar Signal 6

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.

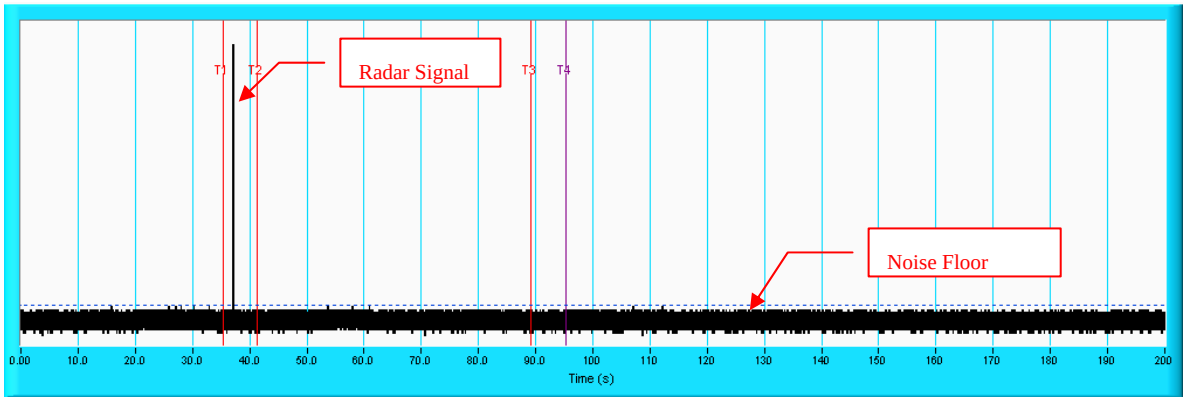
Timing of Radar Signal	Observation	
	UUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



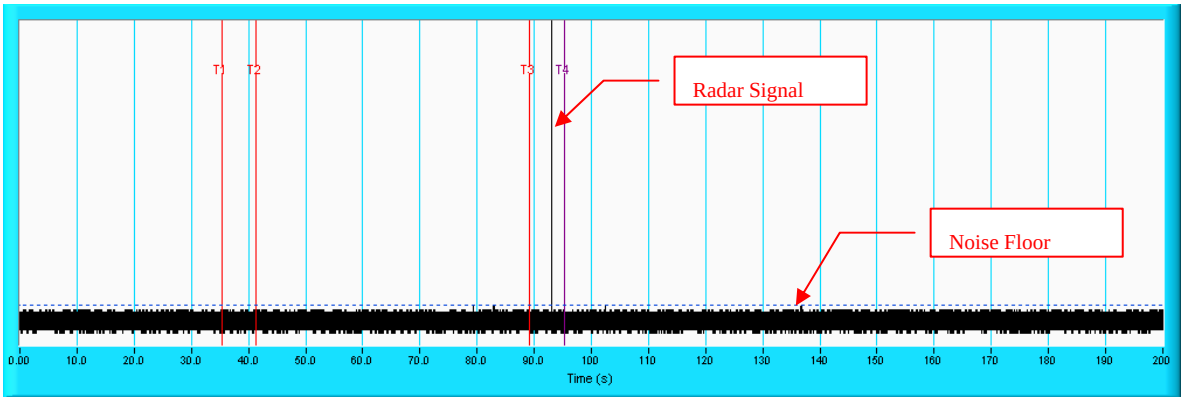
NOTE: T1 denotes the end of power-up time period is 35.3 second. T4 denotes the end of Channel Availability Check time is 95.3 second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 35.3 second. T2 denotes 41.3 second , the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 95.3 second.

Radar Burst at the End of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 35.3 second. T3 denotes 89.3 second and radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T4 denotes the 95.3 second.

6.2.1.3 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

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	93.3
2	1-5	150-230	23-29	30	90.0
3	6-10	200-500	16-18	30	83.3
4	11-20	200-500	12-16	30	80.0
Aggregate (Radar Types 1-4)				120	86.7

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	86.7

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

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	86.7
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	80.0
Aggregate (Radar Types 1-4)				120	84.2

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	93.3

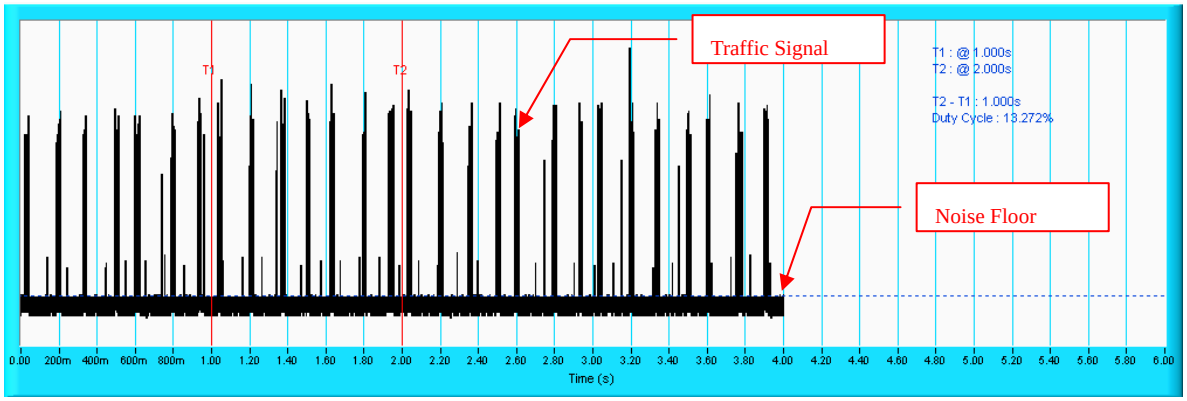
Table 3: Frequency Hopping Radar Test Waveform

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	83.3

WLAN TRAFFIC

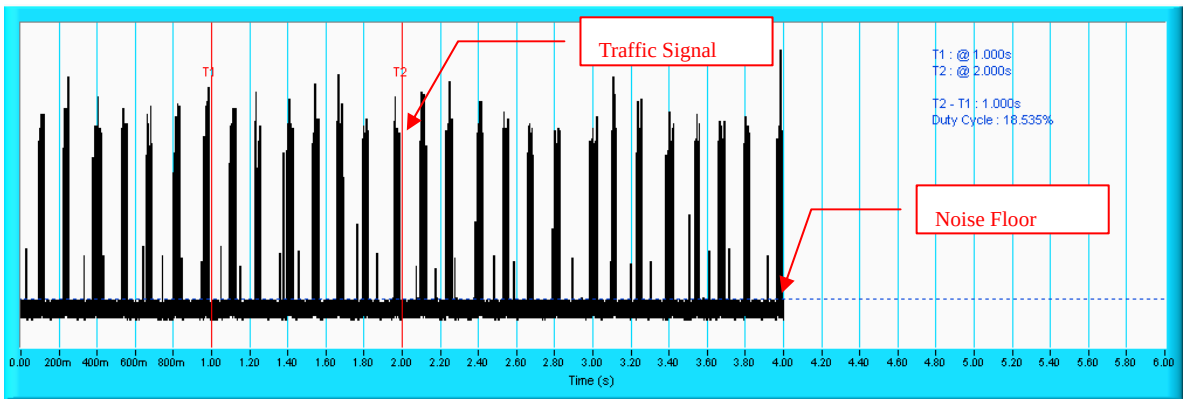
IEEE 802.11N 20MHz

Date Rate: MCS4



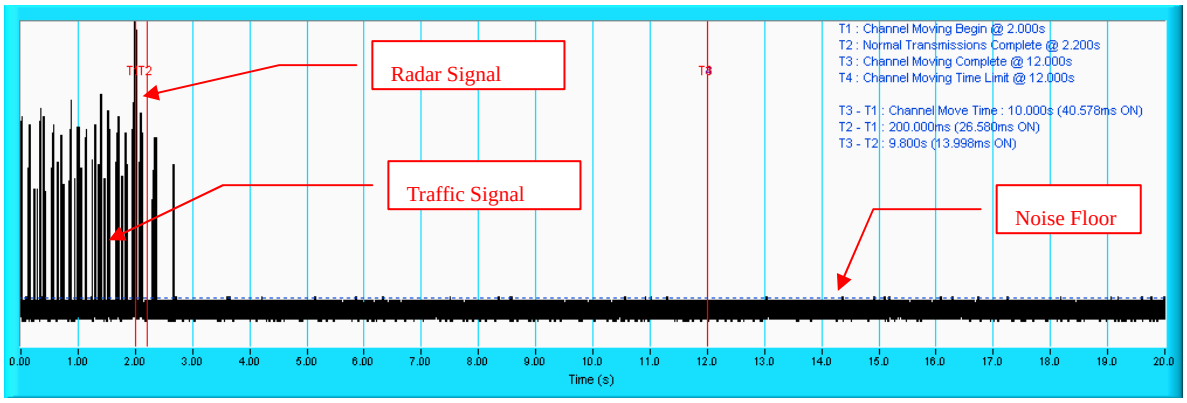
IEEE 802.11N 40MHz

Date Rate: MCS1

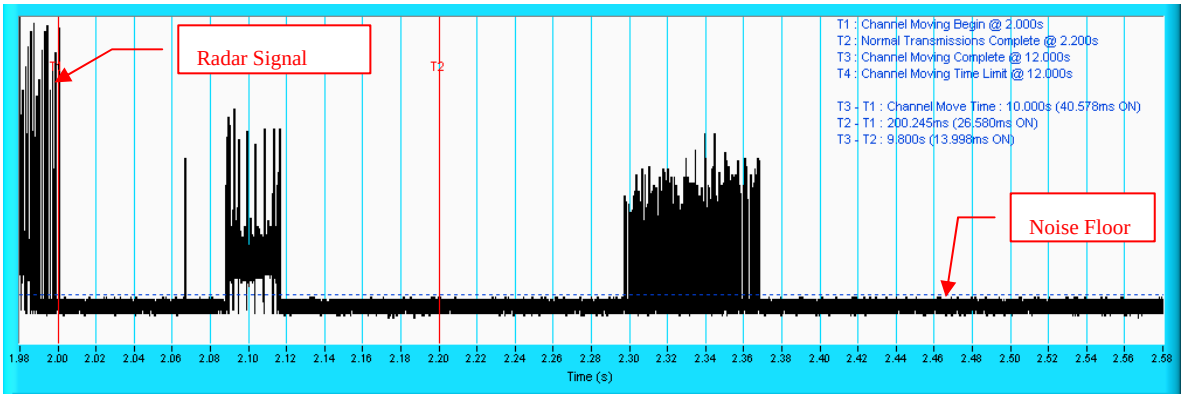


Radar signal 1

IEEE 802.11N 20MHz

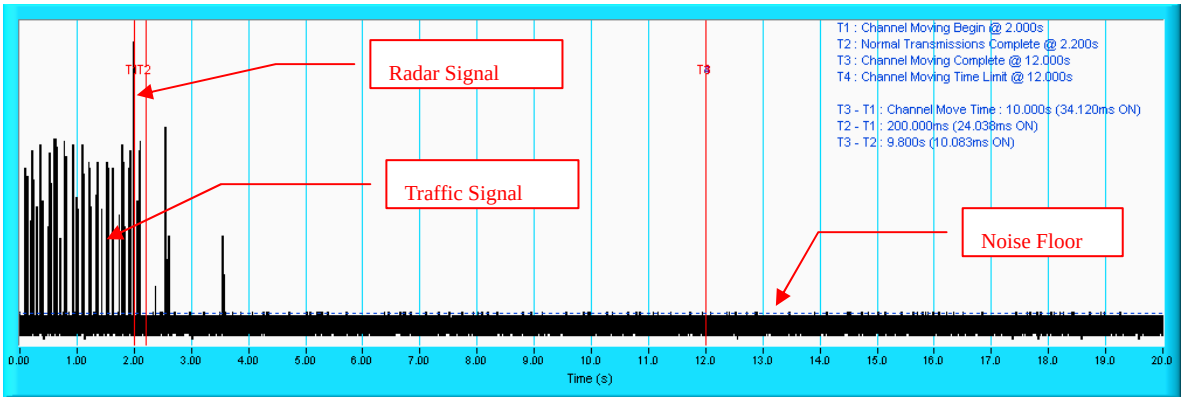


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

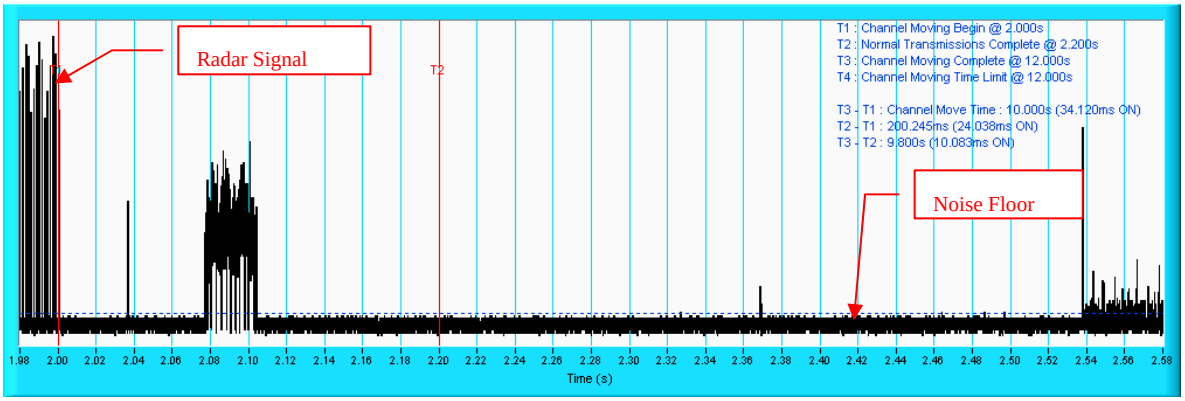


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11N 40MHz



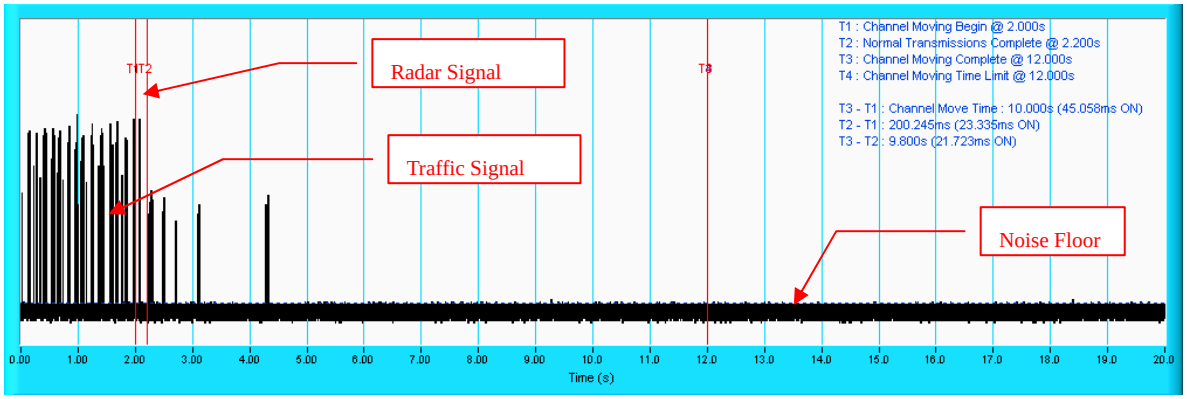
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



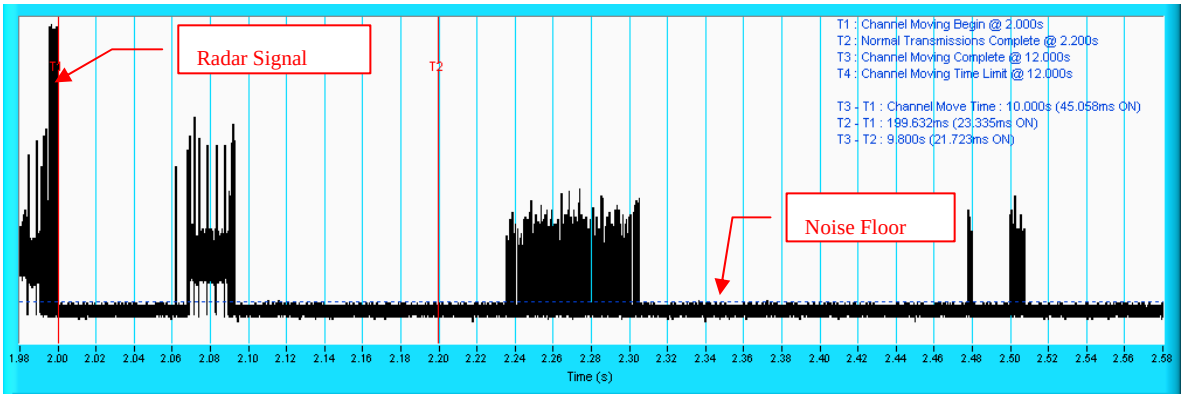
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 2

IEEE 802.11N 20MHz

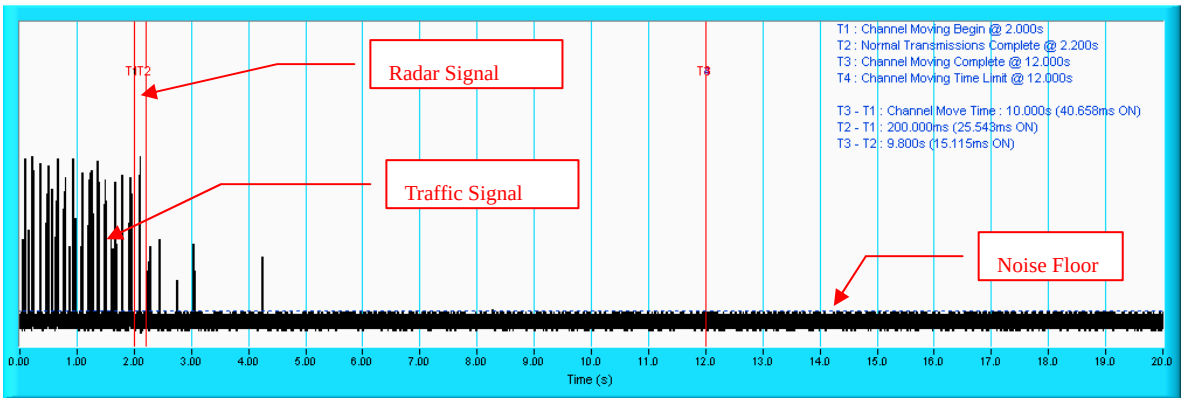


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

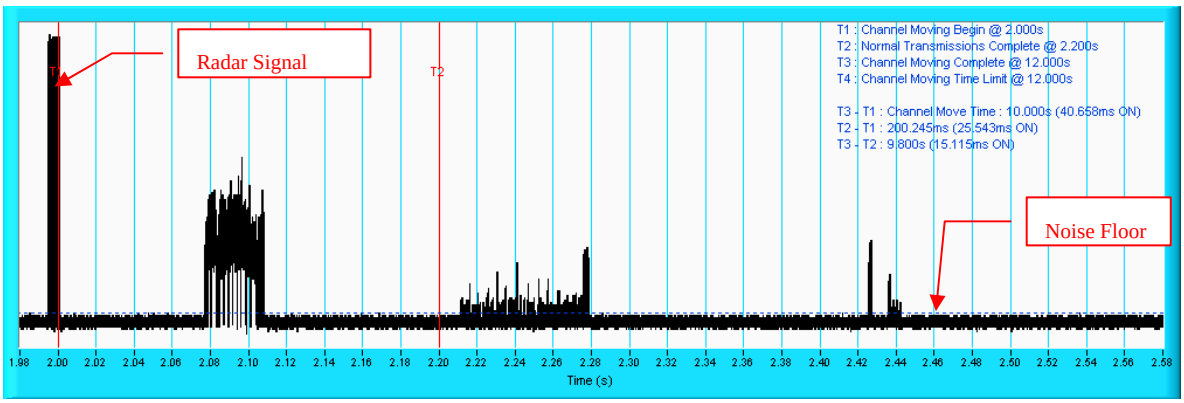


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11N 40MHz



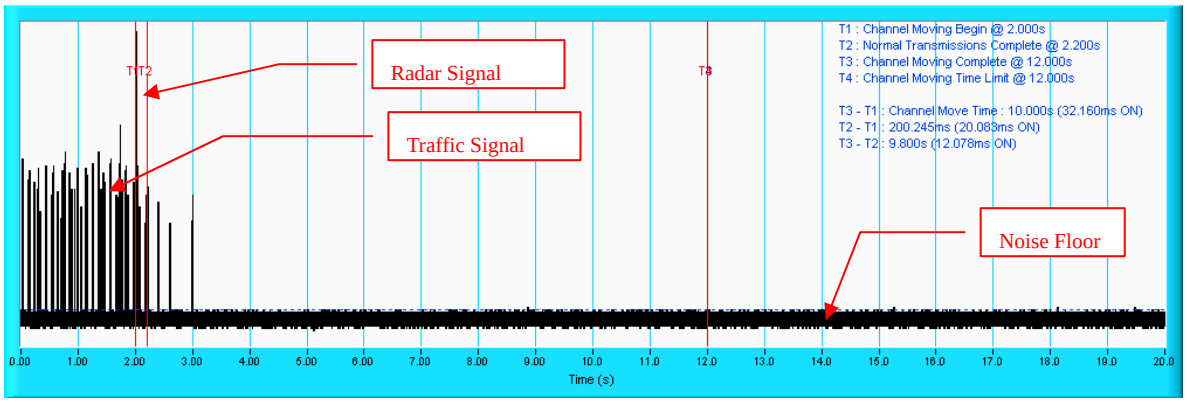
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



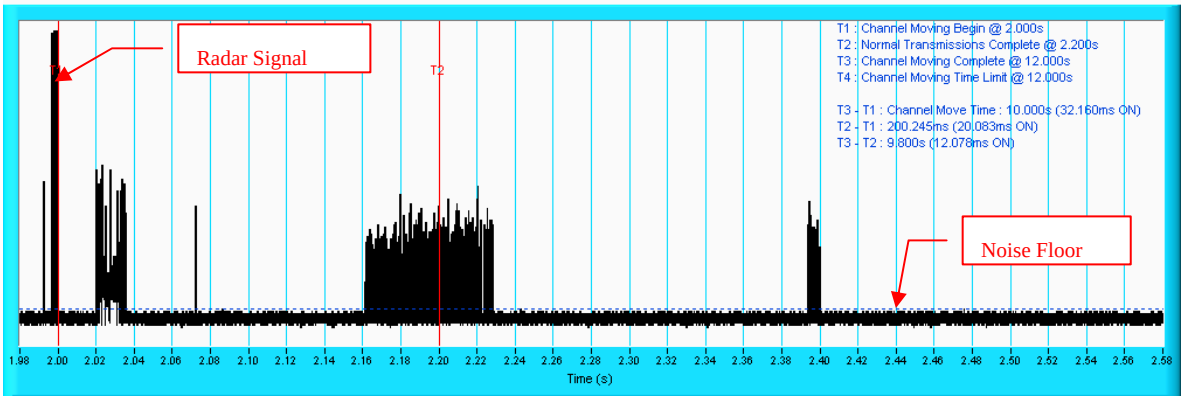
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 3

IEEE 802.11N 20MHz

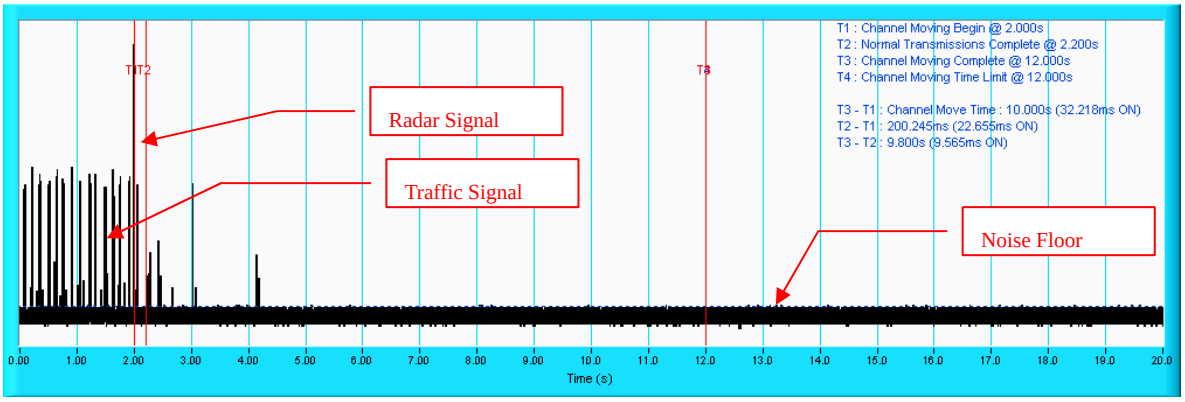


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

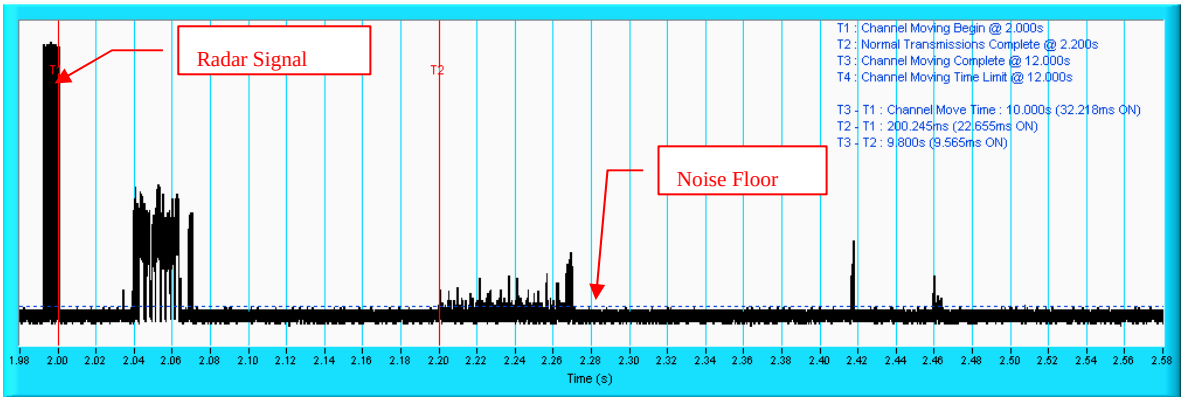


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11N 40MHz



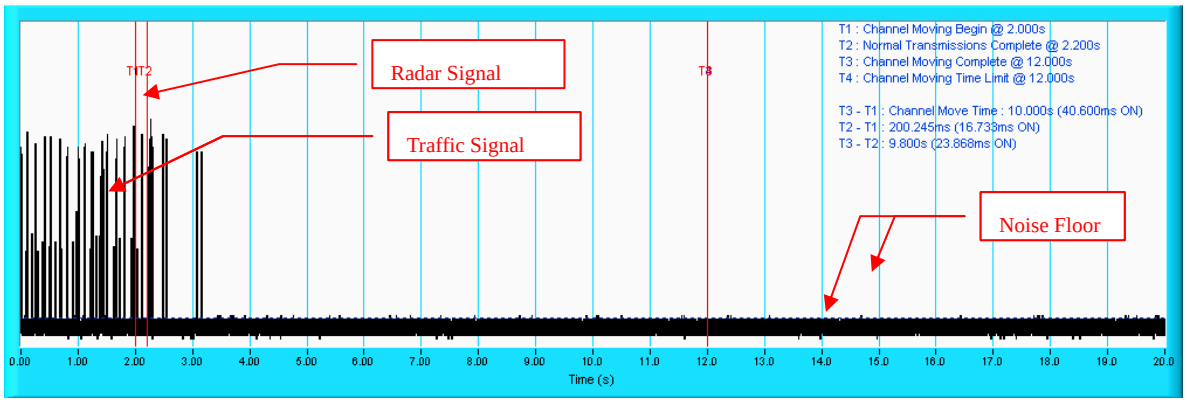
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



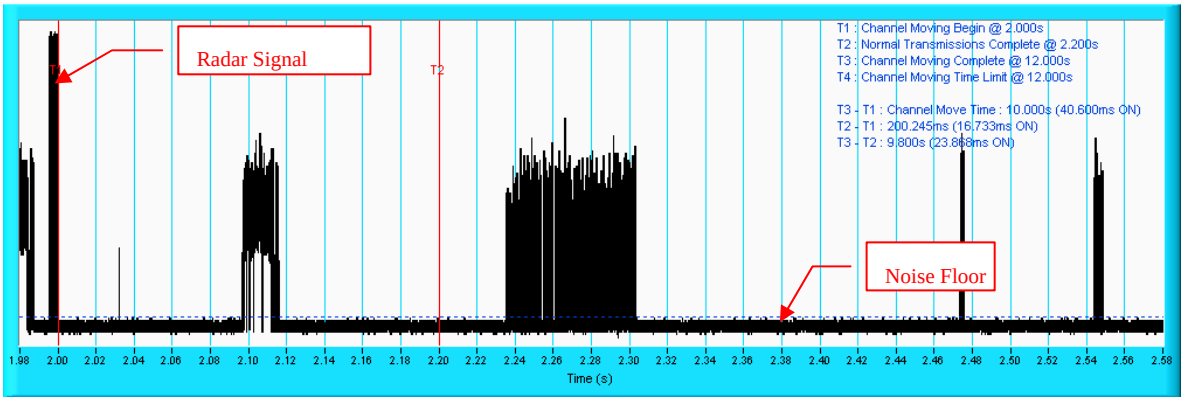
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 4

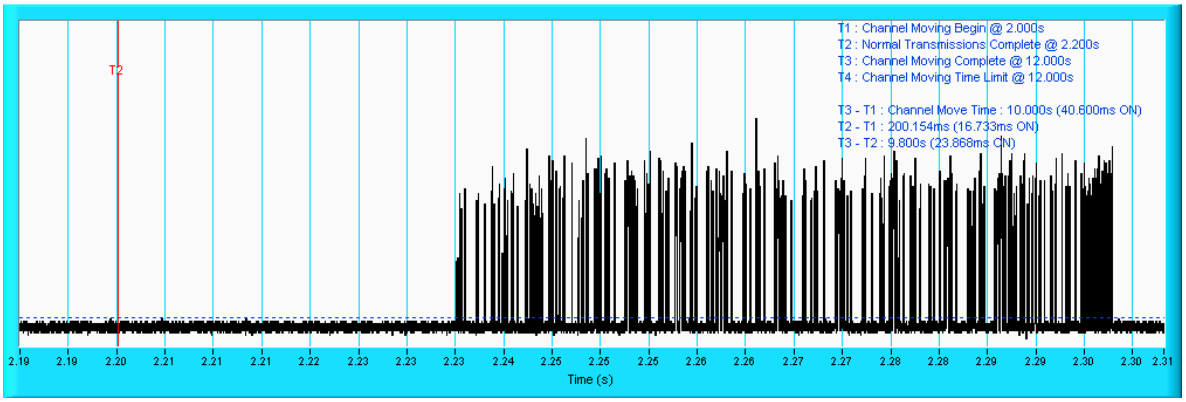
IEEE 802.11N 20MHz



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.

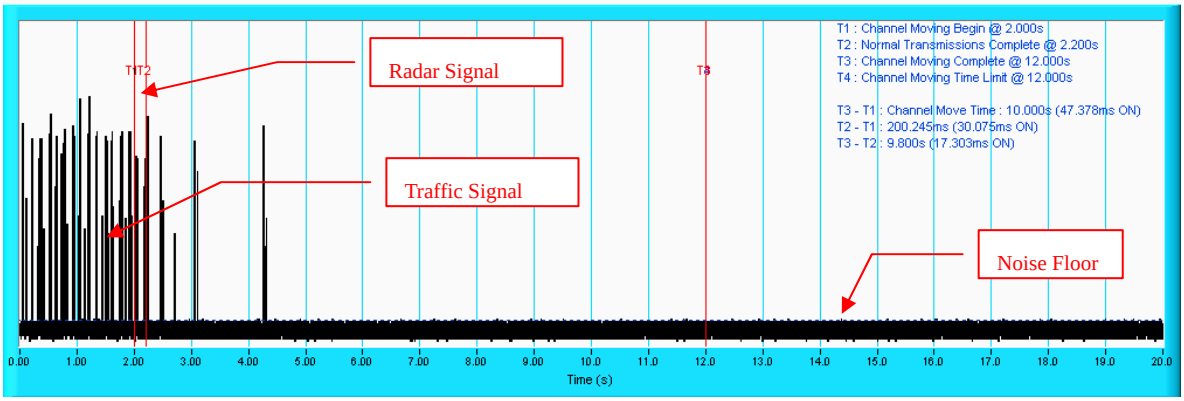


NOTE: An expanded plot for the device vacates the channel in the required 600ms

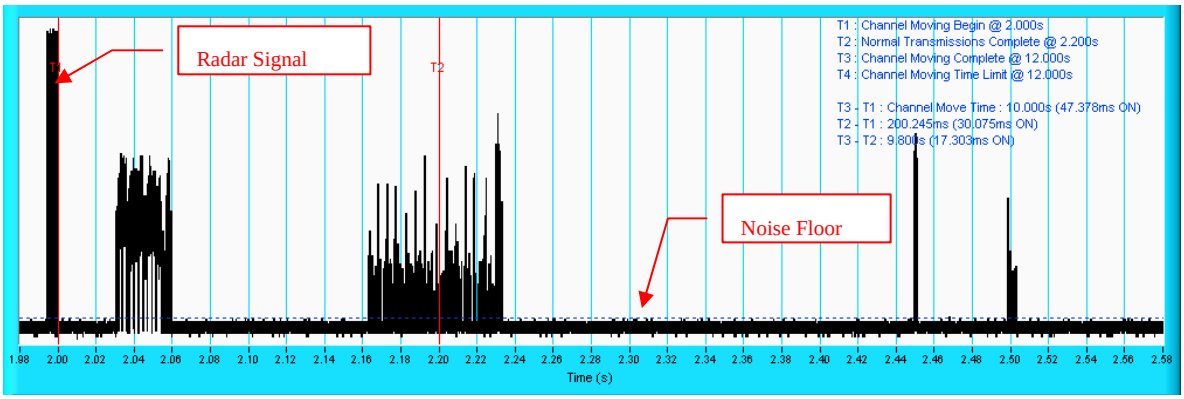


NOTE: An expanded plot for 2.19 sec to 2.31 sec

IEEE 802.11N 40MHz



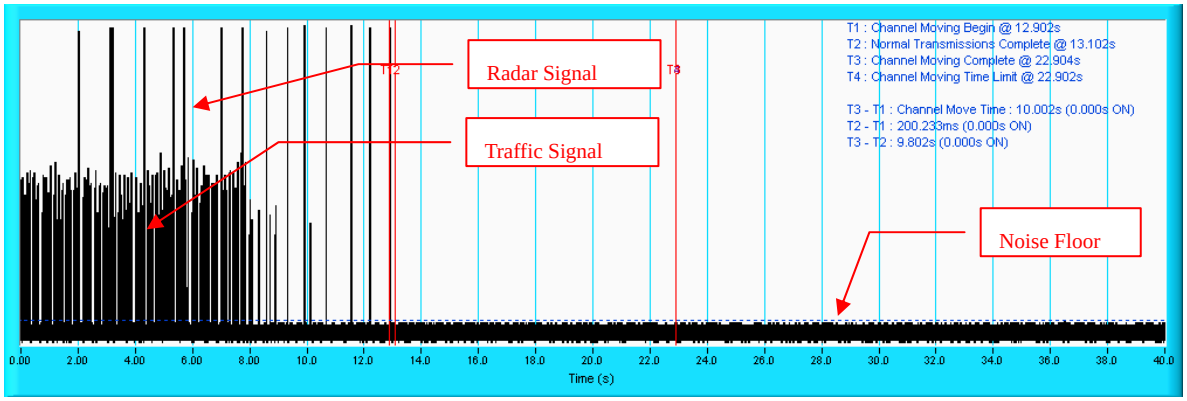
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



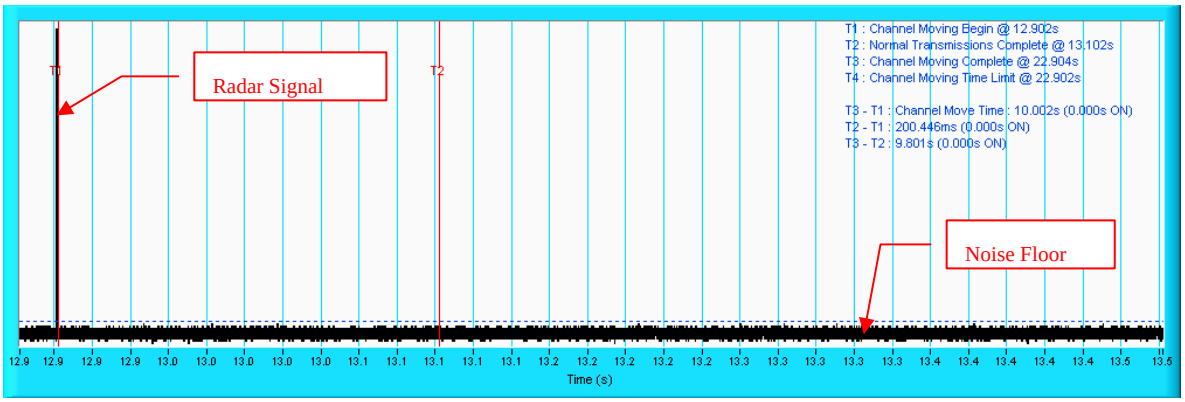
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 5

IEEE 802.11N 20MHz

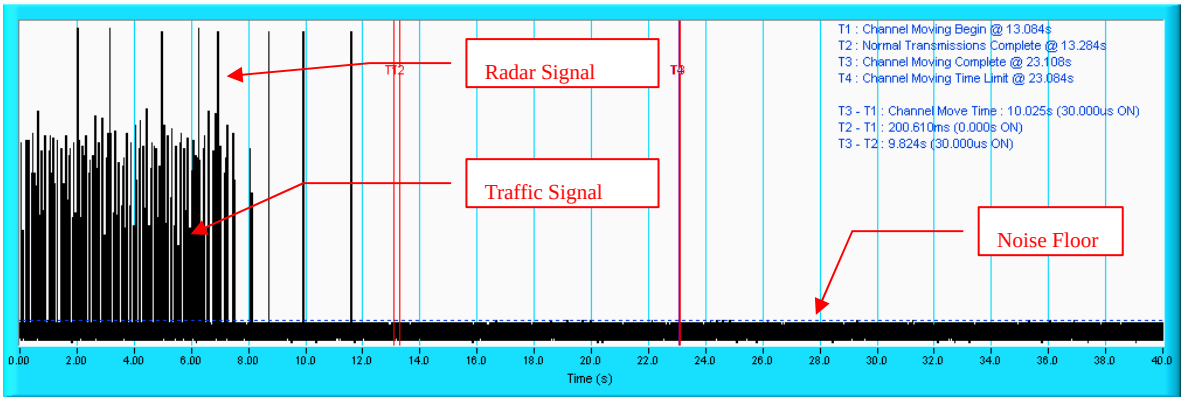


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

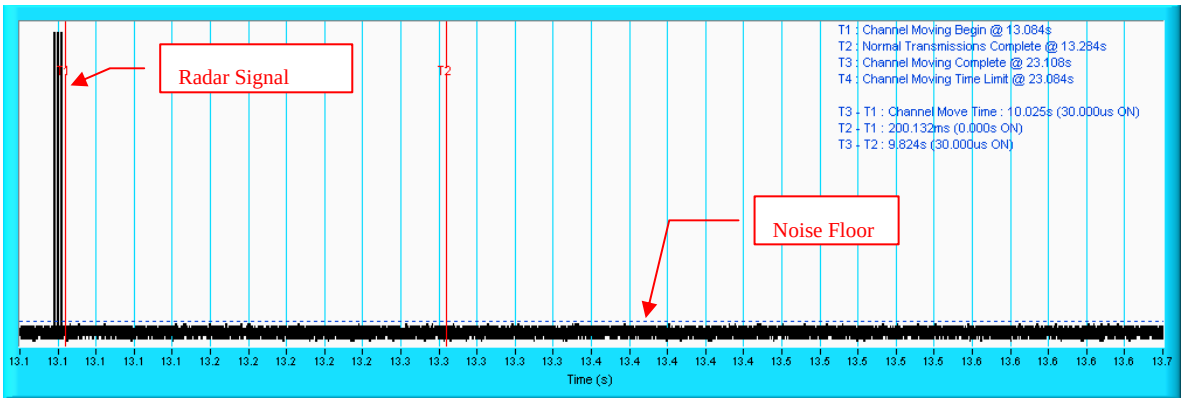


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11N 40MHz



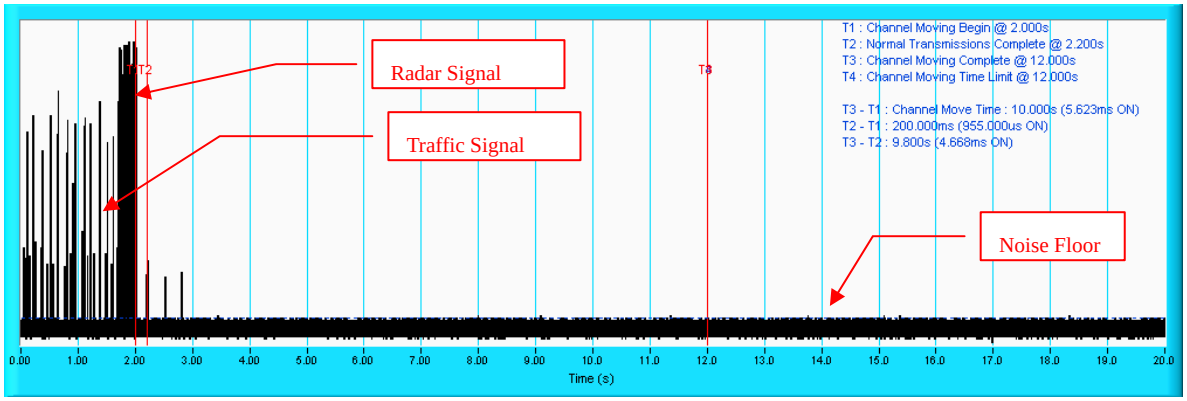
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



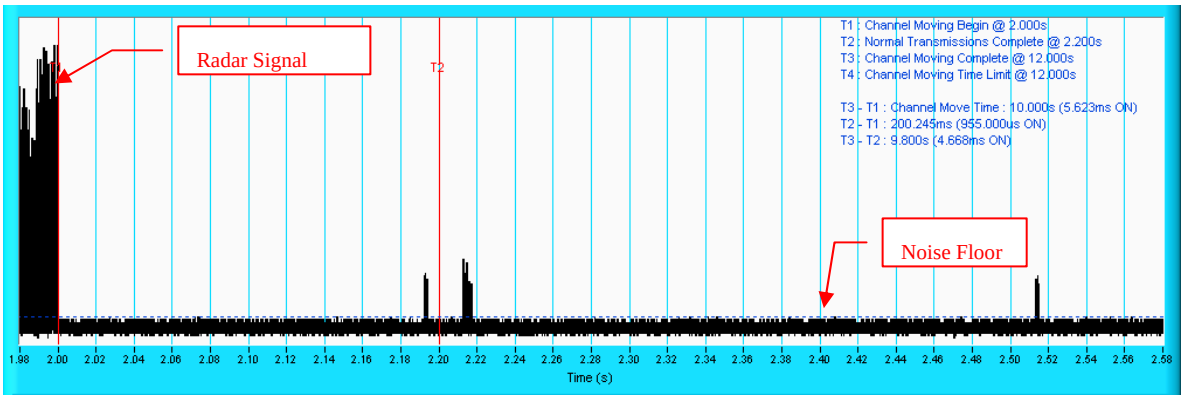
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 6

IEEE 802.11N 20MHz

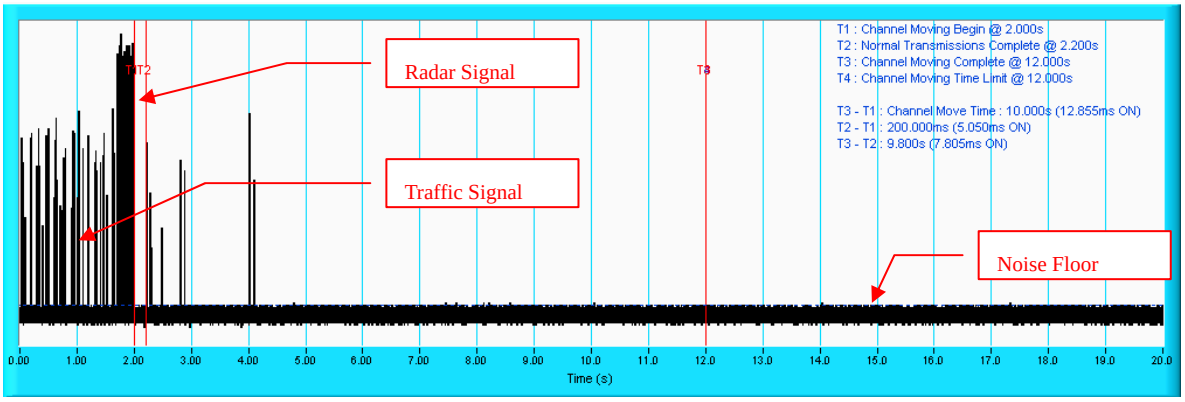


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

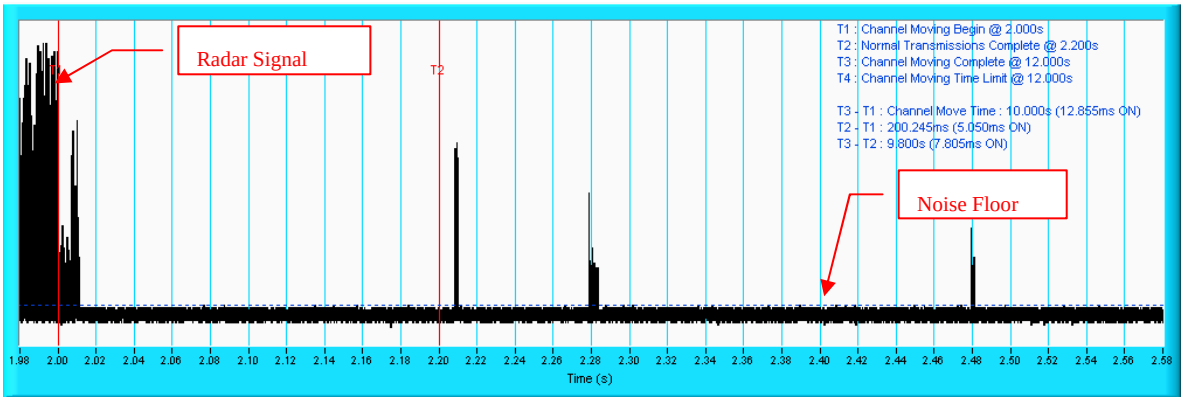


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11N 40MHz



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 600ms.

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	No
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	No
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	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	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: 93.3 %

IEEE 802.11N 20MHz

Type 2 Radar Statistical Performances				
Trial #	**Pulses per Burst**	**Pulse Width (s)**	**PRI (s)**	**Detection**
1	28	1.5u	184.0u	Yes
2	26	2.9u	184.0u	No
3	28	1.2u	187.0u	Yes
4	27	3.3u	224.0u	Yes
5	25	4.3u	157.0u	Yes
6	28	4.4u	152.0u	Yes
7	23	3.8u	156.0u	Yes
8	24	4.0u	170.0u	Yes
9	23	1.6u	213.0u	Yes
10	24	4.5u	215.0u	Yes
11	24	3.9u	218.0u	Yes
12	25	1.2u	168.0u	Yes
13	27	4.0u	207.0u	Yes
14	23	1.2u	164.0u	Yes
15	23	1.9u	211.0u	Yes
16	28	4.2u	189.0u	Yes
17	28	4.7u	198.0u	Yes
18	24	3.1u	215.0u	No
19	28	3.7u	164.0u	Yes
20	28	4.4u	205.0u	Yes
21	25	3.0u	177.0u	Yes
22	28	2.8u	230.0u	No
23	26	1.5u	153.0u	Yes
24	25	1.6u	201.0u	Yes
25	27	2.9u	167.0u	Yes
26	28	4.5u	173.0u	Yes
27	25	2.0u	188.0u	Yes
28	23	2.6u	172.0u	Yes
29	28	2.0u	173.0u	Yes
30	24	4.8u	168.0u	Yes
				Detection Rate: 90.0 %

IEEE 802.11N 20MHz

Type 3 Radar Statistical Performances				
Trial #	**Pulses per Burst**	**Pulse Width (s)**	**PRI (s)**	**Detection**
1	17	8.8u	325.0u	Yes
2	17	9.7u	360.0u	Yes
3	18	9.5u	251.0u	No
4	16	6.3u	453.0u	Yes
5	16	7.4u	435.0u	Yes
6	17	7.8u	326.0u	Yes
7	16	6.1u	494.0u	Yes
8	17	7.0u	456.0u	Yes
9	17	9.9u	432.0u	Yes
10	16	7.0u	277.0u	Yes
11	17	7.3u	289.0u	No
12	18	8.0u	267.0u	Yes
13	18	9.2u	264.0u	Yes
14	17	9.6u	395.0u	Yes
15	17	9.8u	347.0u	Yes
16	17	7.9u	445.0u	Yes
17	17	8.5u	215.0u	No
18	17	9.2u	490.0u	Yes
19	18	6.6u	365.0u	Yes
20	16	9.8u	366.0u	Yes
21	17	7.3u	480.0u	Yes
22	17	7.9u	301.0u	Yes
23	16	6.7u	342.0u	Yes
24	17	8.2u	335.0u	Yes
25	18	7.3u	477.0u	Yes
26	17	8.9u	400.0u	Yes
27	17	6.6u	344.0u	No
28	16	8.9u	308.0u	Yes
29	16	8.0u	442.0u	No
30	17	8.3u	361.0u	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	16	15.7u	252.0u	Yes
2	15	19.6u	416.0u	No
3	15	17.8u	266.0u	Yes
4	15	16.8u	288.0u	Yes
5	13	13.5u	484.0u	Yes
6	13	11.6u	283.0u	Yes
7	14	19.7u	210.0u	No
8	15	16.8u	402.0u	Yes
9	16	14.0u	282.0u	Yes
10	15	20.0u	352.0u	Yes
11	13	17.2u	393.0u	Yes
12	13	12.0u	497.0u	No
13	15	15.3u	433.0u	Yes
14	16	17.2u	454.0u	Yes
15	12	12.4u	237.0u	Yes
16	13	18.2u	438.0u	No
17	16	14.6u	314.0u	Yes
18	13	16.0u	428.0u	Yes
19	16	17.9u	216.0u	Yes
20	15	19.9u	396.0u	Yes
21	16	12.4u	385.0u	Yes
22	13	14.4u	426.0u	Yes
23	15	15.2u	498.0u	No
24	14	15.3u	381.0u	Yes
25	13	17.5u	353.0u	Yes
26	13	18.7u	500.0u	Yes
27	13	17.1u	463.0u	No
28	15	13.2u	280.0u	Yes
29	14	15.2u	265.0u	Yes
30	14	13.9u	378.0u	Yes
				Detection Rate: 80.0 %

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	No
5	LP_Signal_05	Yes
6	LP_Signal_06	No
7	LP_Signal_07	Yes
8	LP_Signal_08	Yes
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	Yes
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	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	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: 86.7 %

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	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	No
15	HOP_FREQ_SEQ_15	Yes
16	HOP_FREQ_SEQ_16	Yes
17	HOP_FREQ_SEQ_17	Yes
18	HOP_FREQ_SEQ_18	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	No
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: 86.7 %

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	No
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	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	No
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	No
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 86.7 %

IEEE 802.11N 40MHz.

Type 2 Radar Statistical Performances				
Trial #	**Pulses per Burst**	**Pulse Width (s)**	**PRI (s)**	**Detection**
1	24	1.4u	190.0u	Yes
2	24	2.2u	169.0u	Yes
3	24	2.0u	160.0u	Yes
4	23	1.3u	190.0u	Yes
5	24	4.6u	193.0u	No
6	27	2.3u	176.0u	Yes
7	29	4.5u	195.0u	Yes
8	23	1.6u	217.0u	Yes
9	24	1.5u	157.0u	Yes
10	23	4.7u	229.0u	Yes
11	29	3.6u	163.0u	Yes
12	28	2.6u	196.0u	Yes
13	25	4.7u	194.0u	Yes
14	29	3.2u	185.0u	Yes
15	28	2.2u	210.0u	Yes
16	29	4.4u	221.0u	Yes
17	25	1.2u	193.0u	No
18	26	1.6u	200.0u	No
19	28	3.4u	160.0u	Yes
20	27	3.5u	174.0u	Yes
21	27	4.2u	195.0u	Yes
22	24	2.2u	217.0u	Yes
23	24	3.3u	154.0u	Yes
24	28	4.6u	180.0u	Yes
25	23	2.2u	158.0u	No
26	29	2.3u	194.0u	Yes
27	23	1.1u	178.0u	Yes
28	26	1.6u	224.0u	Yes
29	25	1.3u	174.0u	Yes
30	23	1.2u	205.0u	Yes
				Detection Rate: 86.7 %

IEEE 802.11N 40MHz

Type 3 Radar Statistical Performances				
Trial #	**Pulses per Burst**	**Pulse Width (s)**	**PRI (s)**	**Detection**
1	18	6.1u	367.0u	No
2	18	6.1u	461.0u	Yes
3	16	8.6u	239.0u	Yes
4	18	8.9u	205.0u	Yes
5	16	9.6u	330.0u	Yes
6	17	9.9u	460.0u	Yes
7	17	6.1u	372.0u	Yes
8	17	8.1u	451.0u	Yes
9	17	9.8u	334.0u	Yes
10	17	6.5u	496.0u	No
11	17	8.1u	234.0u	Yes
12	18	6.1u	393.0u	Yes
13	17	6.1u	390.0u	Yes
14	16	6.0u	286.0u	Yes
15	17	6.3u	224.0u	Yes
16	17	7.6u	227.0u	Yes
17	18	6.1u	496.0u	Yes
18	17	9.7u	220.0u	Yes
19	17	7.5u	223.0u	Yes
20	17	8.3u	456.0u	No
21	18	8.6u	463.0u	Yes
22	17	6.4u	215.0u	Yes
23	17	6.3u	257.0u	Yes
24	17	6.5u	262.0u	Yes
25	16	6.5u	474.0u	No
26	17	7.0u	426.0u	Yes
27	18	6.4u	480.0u	Yes
28	17	9.3u	423.0u	No
29	16	7.8u	427.0u	Yes
30	16	7.8u	303.0u	Yes
				Detection Rate: 83.3 %

IEEE 802.11N 40MHz

Type 4 Radar Statistical Performances				
Trial #	**Pulses per Burst**	**Pulse Width (s)**	**PRI (s)**	**Detection**
1	16	17.5u	497.0u	Yes
2	13	12.8u	468.0u	Yes
3	13	15.0u	449.0u	Yes
4	15	17.4u	334.0u	Yes
5	13	19.1u	243.0u	Yes
6	14	14.1u	469.0u	No
7	15	13.5u	317.0u	Yes
8	14	14.1u	363.0u	Yes
9	14	11.2u	414.0u	No
10	15	12.9u	442.0u	Yes
11	13	14.2u	500.0u	Yes
12	13	14.5u	255.0u	Yes
13	15	18.7u	389.0u	Yes
14	16	19.8u	215.0u	Yes
15	14	14.5u	218.0u	No
16	14	19.4u	391.0u	Yes
17	14	18.3u	446.0u	Yes
18	14	11.2u	284.0u	Yes
19	12	17.7u	223.0u	Yes
20	16	12.6u	270.0u	No
21	12	19.7u	321.0u	Yes
22	13	19.5u	288.0u	Yes
23	12	13.9u	350.0u	Yes
24	15	18.4u	240.0u	Yes
25	14	13.9u	300.0u	Yes
26	12	18.2u	419.0u	Yes
27	13	18.2u	302.0u	Yes
28	16	11.0u	423.0u	No
29	13	11.6u	365.0u	Yes
30	12	12.2u	281.0u	No
				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	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	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: 93.3 %

The Long Pulse Radar pattern shown in Annex B.1

IEEE 802.11N 20MHz

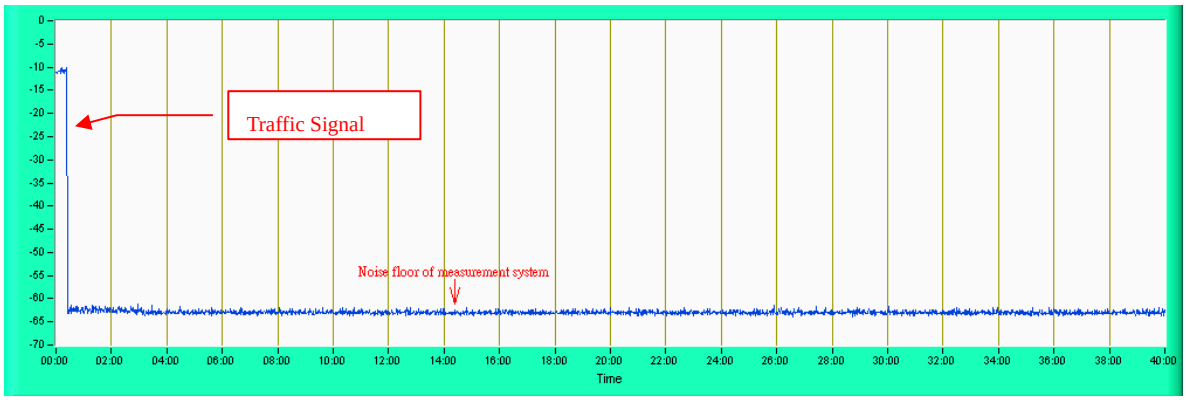
Type 6 Radar Statistical Performances		
Trial #	**Hopping Frequency Sequence Name**	**Detection**
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	No
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	Yes
10	HOP_FREQ_SEQ_10	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	No
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	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	Yes
26	HOP_FREQ_SEQ_26	Yes
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	No
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	Yes
		Detection Rate: 83.3 %

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



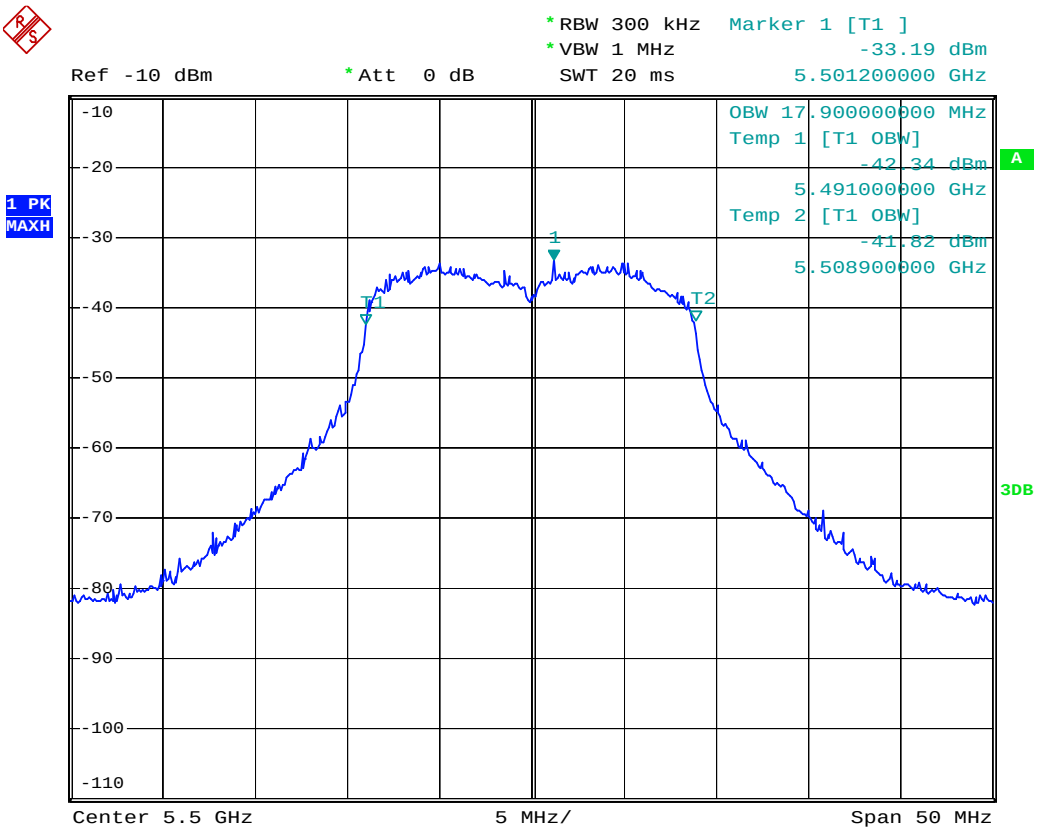
6.2.1.5 UNIFORM SPREADING

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 shall select an operating channel, 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.

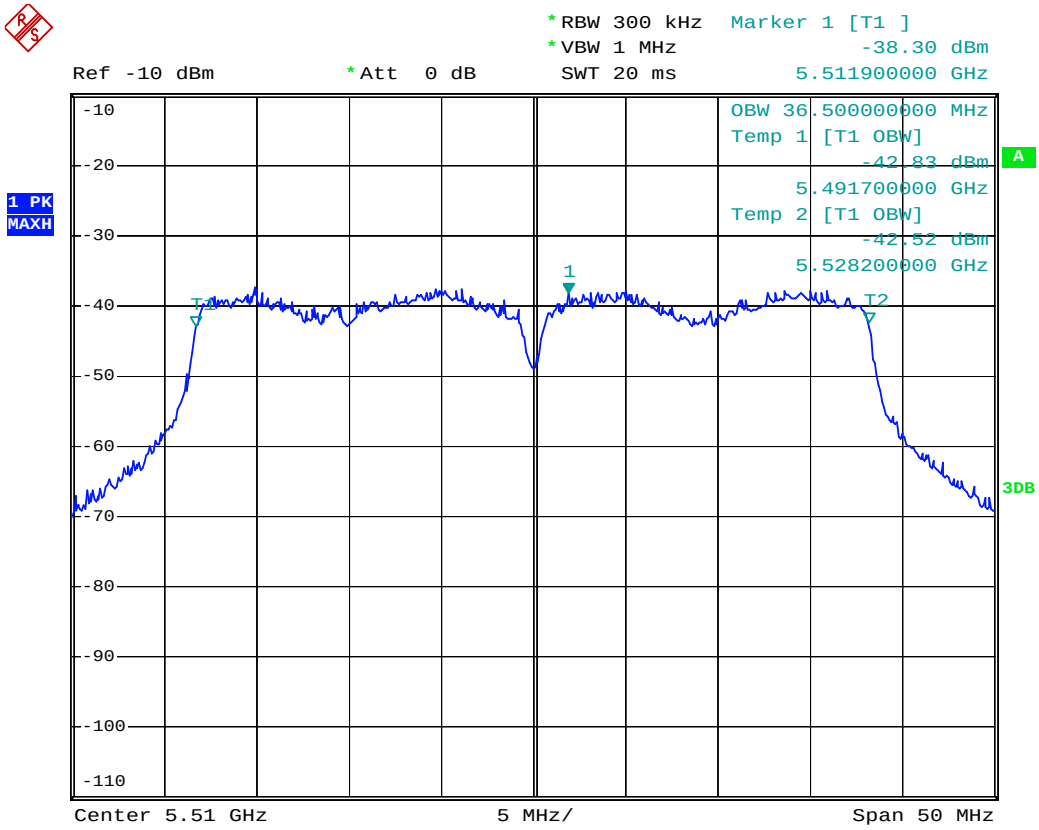
6.2.1.6 U-NII DETECTION BANDWIDTH

IEEE 802.11N 20MHz



U-NII 99% Channel bandwidth

IEEE 802.11N 40MHz



U-NII 99% Channel bandwidth

Detection Bandwidth Test - IEEE 802.11N 20MHz											
EUT Frequency: 5500MHz EUT 99% Power bandwidth: 17.90MHz Detection bandwidth limit(80% of EUT 99% Power bandwidth): 14.32MHz Detection bandwidth : 5509-5492=17MHz Test Result : PASS											
Radar Frequency (MHz)	**Trial Number / Detection**										**Detection Rate (%)**
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	
5491	Y	Y	Y	Y	Y	N	Y	N	Y	Y	80.0
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	N	Y	Y	Y	Y	Y	90.0

Detection Bandwidth Test - IEEE 802.11N 40MHz											
EUT Frequency: 5510MHz EUT 99% Power bandwidth: 36.5MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 29.2MHz Detection bandwidth : 5528-5491= 37MHz Test Result : PASS											
Radar Frequency (MHz)	**Trial Number / Detection**										**Detection Rate (%)**
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	
5491	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	90
5492	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	90
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	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	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	N	Y	Y	Y	N	Y	Y	80

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.	CNLA, BSMI, NCC
Netherlands	Telefication
Singapore	PSB , 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

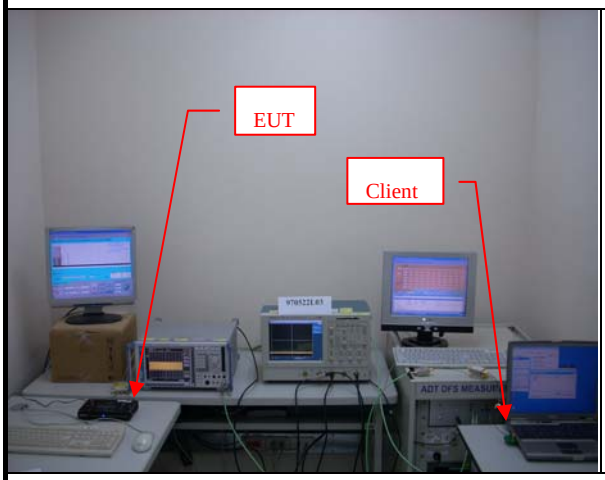
Web Site: www.adt.com.tw

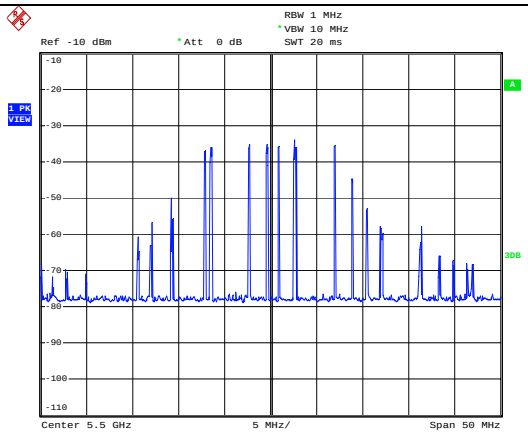
The address and road map of all our labs can be found in our web site also.

8. APPENDIX

8.1 APPENDIX-A

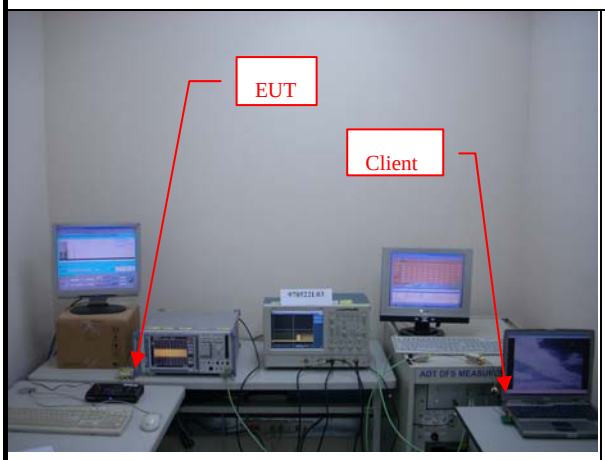
1) Test results demonstrating Master links with Client on a test frequency.

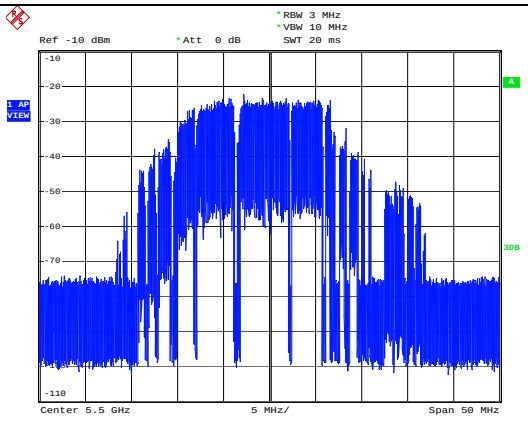




EUT (MASTER) links with Client on 5500MHz

2) The Master and DFS-certified Client device are associated, and the movie can be streamed as specified in the DFS Order.





Client plays a specified files via master.

8.2 APPENDIX-B

RADAR TEST SIGNAL

B.1 The Long Pulse Radar Pattern

IEEE 802.11N 20MHz

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	8M	67.4u	1.423m	-	1.096
2	2	12M	81.6u	1.462m	-	1.022
3	2	16M	53.3u	1.045m	-	788.2m
4	2	6M	52.9u	1.338m	-	493.3m
5	3	15M	52.5u	1.453m	1.622m	749.8m
6	2	17M	56.2u	1.349m	-	327.8m
7	2	6M	88.5u	1.185m	-	1.035
8	2	11M	86.1u	1.320m	-	35.33m
9	3	5M	63.0u	1.185m	1.832m	1.184
10	2	10M	51.3u	1.568m	-	279.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_02
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	51.3u	1.223m	1.367m	182.8m
2	2	6M	87.6u	1.463m	-	63.34m
3	1	14M	75.9u	-	-	516.3m
4	2	8M	54.2u	1.795m	-	1.044
5	3	17M	71.9u	1.368m	1.653m	1.058
6	1	6M	82.8u	-	-	407.2m
7	2	20M	81.0u	1.856m	-	206.5m
8	2	15M	56.0u	1.022m	-	1.313
9	1	20M	82.2u	-	-	777.9m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
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	14M	72.9u	1.694m	969.1u	277.8m
2	3	14M	77.8u	1.179m	1.499m	556.0m
3	3	18M	61.6u	1.290m	1.776m	623.6m
4	2	9M	83.3u	1.838m	-	315.9m
5	2	9M	90.6u	1.838m	-	70.14m
6	3	16M	83.3u	1.217m	1.359m	369.0m
7	2	15M	65.6u	1.898m	-	320.0m
8	3	12M	50.7u	1.116m	1.323m	274.2m
9	1	5M	71.3u	-	-	730.6m
10	2	15M	55.9u	1.746m	-	259.9m
11	3	5M	55.5u	1.386m	1.105m	740.6m
12	2	16M	97.3u	1.020m	-	722.1m
13	1	12M	69.3u	-	-	373.9m
14	2	16M	77.5u	1.869m	-	583.7m
15	2	7M	69.5u	1.556m	-	132.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
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	20M	62.6u	1.799m	-	456.8m
2	2	12M	70.0u	1.298m	-	249.5m
3	1	13M	73.6u	-	-	298.7m
4	1	12M	74.0u	-	-	636.8m
5	2	16M	70.7u	1.841m	-	451.7m
6	2	10M	82.7u	1.405m	-	84.85m
7	2	16M	70.1u	1.140m	-	500.5m
8	3	12M	69.1u	1.011m	941.9u	437.0m
9	1	7M	89.0u	-	-	598.3m
10	2	11M	56.1u	1.157m	-	192.0m
11	2	10M	73.5u	1.664m	-	253.4m
12	1	11M	56.4u	-	-	344.8m
13	1	10M	95.9u	-	-	366.2m
14	1	14M	75.7u	-	-	325.0m
15	1	8M	60.2u	-	-	69.40m
16	2	13M	95.8u	1.238m	-	679.6m
17	1	14M	78.6u	-	-	393.6m

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	3	19M	91.2u	1.861m	1.623m	355.3m
2	2	11M	50.9u	1.010m	-	261.0m
3	2	7M	99.2u	1.367m	-	159.7m
4	1	6M	64.0u	-	-	542.1m
5	2	8M	84.3u	925.7u	-	893.4m
6	1	9M	66.4u	-	-	73.22m
7	3	17M	83.8u	1.334m	1.741m	78.26m
8	1	11M	72.7u	-	-	911.9m
9	2	7M	59.9u	1.069m	-	493.5m
10	3	17M	74.9u	1.416m	957.1u	833.0m
11	1	9M	92.8u	-	-	114.3m
12	2	11M	60.5u	965.5u	-	778.2m
13	3	14M	81.3u	1.159m	1.505m	403.9m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_06
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	16M	68.1u	-	-	447.4m
2	1	10M	67.1u	-	-	99.24m
3	2	14M	71.7u	1.249m	-	396.8m
4	1	7M	95.9u	-	-	230.3m
5	3	11M	65.6u	1.856m	1.881m	87.53m
6	1	16M	55.3u	-	-	782.6m
7	3	8M	64.2u	1.208m	1.270m	369.3m
8	1	8M	93.7u	-	-	157.0m
9	3	13M	85.8u	1.907m	1.726m	164.3m
10	1	6M	82.6u	-	-	457.8m
11	2	7M	75.1u	1.653m	-	571.7m
12	2	11M	69.9u	932.1u	-	291.0m
13	1	7M	82.2u	-	-	797.8m
14	3	8M	67.9u	1.876m	1.795m	33.21m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_07 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	18M	84.2u	1.041m	1.698m	1.054m
2	2	16M	74.2u	1.673m	-	136.8m
3	2	13M	95.0u	951.0u	-	367.0m
4	2	8M	87.9u	1.228m	-	690.0m
5	2	14M	78.7u	1.280m	-	590.7m
6	3	10M	74.6u	1.861m	1.916m	268.6m
7	2	18M	75.9u	930.1u	-	302.6m
8	2	12M	53.3u	1.110m	-	703.9m
9	2	5M	96.7u	1.898m	-	705.4m
10	1	15M	85.2u	-	-	86.79m
11	3	13M	70.5u	1.927m	1.611m	141.3m
12	1	7M	89.5u	-	-	265.7m
13	2	19M	86.9u	1.050m	-	75.87m
14	2	18M	73.1u	1.707m	-	222.5m
15	1	13M	88.6u	-	-	692.6m
16	2	19M	87.4u	1.314m	-	357.7m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_08 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	63.5u	-	-	512.5m
2	3	11M	66.1u	1.701m	1.818m	324.1m
3	1	12M	92.3u	-	-	293.6m
4	2	14M	52.6u	1.287m	-	461.8m
5	2	13M	73.9u	1.857m	-	590.3m
6	2	16M	70.4u	1.336m	-	49.17m
7	2	8M	99.6u	1.637m	-	265.8m
8	3	14M	99.9u	1.129m	1.530m	641.3m
9	2	18M	94.5u	1.659m	-	266.2m
10	2	5M	95.1u	1.409m	-	542.5m
11	2	7M	63.6u	1.612m	-	635.9m
12	2	17M	94.7u	1.435m	-	289.2m
13	2	6M	68.9u	1.283m	-	489.1m
14	2	12M	55.6u	1.108m	-	687.7m
15	3	19M	76.0u	1.608m	1.827m	360.3m
16	2	8M	71.1u	1.575m	-	611.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_09
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	7M	99.5u	1.759m	948.5u	620.9m
2	1	9M	55.0u	-	-	499.9m
3	2	17M	72.0u	1.634m	-	467.2m
4	1	14M	96.2u	-	-	194.5m
5	2	13M	87.8u	1.026m	-	57.51m
6	1	16M	60.6u	-	-	103.3m
7	3	8M	56.8u	1.822m	1.037m	458.2m
8	2	12M	58.7u	1.878m	-	723.9m
9	2	13M	80.3u	1.025m	-	301.3m
10	2	12M	74.7u	1.543m	-	89.00m
11	2	6M	56.7u	1.327m	-	327.4m
12	2	11M	71.5u	1.703m	-	185.9m
13	2	18M	51.2u	1.349m	-	603.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_10
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	71.4u	1.156m	-	495.4m
2	2	17M	78.0u	1.427m	-	801.6m
3	2	7M	87.5u	1.677m	-	685.3m
4	1	8M	72.9u	-	-	850.0m
5	2	16M	58.4u	1.266m	-	805.5m
6	2	15M	78.4u	1.389m	-	314.5m
7	2	17M	59.7u	1.515m	-	756.7m
8	1	17M	76.2u	-	-	977.1m
9	2	7M	85.7u	950.3u	-	338.3m
10	1	16M	77.9u	-	-	217.0m
11	2	8M	91.7u	987.3u	-	789.9m
12	1	5M	65.1u	-	-	641.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_11
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	20M	79.8u	1.265m	1.480m	494.1m
2	3	5M	51.6u	1.721m	1.048m	315.2m
3	2	9M	78.5u	1.286m	-	365.8m
4	2	11M	67.6u	1.355m	-	377.8m
5	3	10M	57.9u	1.826m	1.473m	603.5m
6	1	8M	88.3u	-	-	661.4m
7	2	6M	98.8u	1.160m	-	37.52m
8	2	10M	50.9u	1.610m	-	122.4m
9	2	6M	73.6u	1.045m	-	638.6m
10	2	20M	98.6u	1.362m	-	761.2m
11	2	18M	74.3u	1.753m	-	655.9m
12	1	15M	87.6u	-	-	501.9m
13	1	18M	67.7u	-	-	15.90m
14	2	14M	55.2u	1.594m	-	178.1m
15	1	13M	84.8u	-	-	254.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_12
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	6M	80.2u	1.855m	-	470.3m
2	2	14M	84.8u	1.800m	-	465.1m
3	2	6M	56.0u	1.093m	-	210.5m
4	3	18M	97.3u	1.779m	995.7u	499.0m
5	2	18M	97.9u	1.891m	-	344.8m
6	2	8M	92.8u	1.859m	-	508.9m
7	2	12M	59.1u	1.586m	-	320.1m
8	1	5M	69.8u	-	-	483.2m
9	3	9M	89.1u	1.180m	1.506m	85.90m
10	1	18M	85.6u	-	-	433.1m
11	2	7M	80.3u	1.044m	-	17.40m
12	2	17M	66.9u	1.797m	-	512.8m
13	2	17M	83.5u	1.290m	-	229.7m
14	3	15M	73.6u	1.653m	1.415m	89.71m
15	2	20M	51.5u	1.305m	-	548.7m
16	2	9M	76.7u	1.422m	-	501.7m
17	1	11M	98.9u	-	-	448.4m
18	2	8M	71.7u	983.3u	-	410.6m
19	3	6M	79.1u	1.676m	1.181m	505.9m
20	2	6M	69.2u	1.709m	-	93.34m

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	1	19M	60.6u	-	-	219.8m
2	2	19M	76.1u	1.231m	-	278.5m
3	2	13M	60.0u	1.652m	-	36.12m
4	3	16M	88.6u	1.505m	1.635m	137.0m
5	1	9M	69.6u	-	-	414.7m
6	2	13M	51.8u	1.374m	-	543.8m
7	2	17M	78.8u	1.079m	-	204.7m
8	2	17M	81.9u	1.472m	-	289.9m
9	1	5M	55.5u	-	-	411.1m
10	3	8M	85.9u	1.306m	1.677m	66.77m
11	2	6M	58.3u	1.502m	-	451.6m
12	3	11M	76.8u	1.564m	1.243m	343.6m
13	1	16M	75.8u	-	-	534.0m
14	2	5M	58.0u	1.786m	-	553.1m
15	3	18M	92.5u	1.455m	1.715m	256.2m
16	1	15M	100.0u	-	-	568.0m
17	2	11M	96.2u	1.852m	-	35.00m
18	3	19M	96.7u	1.751m	1.433m	241.8m
19	1	5M	67.2u	-	-	399.7m

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	10M	51.7u	-	-	547.0m
2	3	10M	99.7u	1.424m	1.011m	282.3m
3	2	14M	95.3u	918.7u	-	88.77m
4	1	9M	85.5u	-	-	513.0m
5	1	12M	75.0u	-	-	777.7m
6	3	11M	96.0u	1.777m	1.864m	710.5m
7	2	12M	90.8u	1.689m	-	712.5m
8	1	6M	67.2u	-	-	533.3m
9	1	16M	86.9u	-	-	679.0m
10	2	7M	65.4u	1.625m	-	356.7m
11	3	10M	84.6u	1.358m	1.328m	330.4m
12	1	13M	90.9u	-	-	369.8m
13	2	12M	61.6u	1.637m	-	267.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_15
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	12M	67.7u	1.484m	1.634m	576.5m
2	2	7M	88.9u	1.076m	-	369.2m
3	2	14M	97.7u	973.3u	-	52.46m
4	2	13M	88.1u	1.834m	-	296.8m
5	3	15M	92.2u	1.832m	1.640m	179.5m
6	2	10M	74.8u	1.147m	-	433.6m
7	1	17M	81.9u	-	-	355.0m
8	3	8M	65.9u	1.355m	1.730m	396.2m
9	2	12M	75.7u	1.526m	-	18.35m
10	2	11M	75.0u	1.136m	-	172.3m
11	2	16M	79.9u	1.163m	-	186.0m
12	3	11M	70.2u	1.819m	1.086m	482.7m
13	3	12M	81.7u	1.733m	1.398m	289.8m
14	2	12M	86.8u	1.453m	-	288.1m
15	3	12M	73.2u	1.831m	1.444m	582.0m
16	3	12M	53.1u	1.808m	1.582m	323.6m
17	3	8M	83.2u	1.813m	1.446m	170.5m
18	1	20M	55.0u	-	-	206.6m
19	1	12M	58.9u	-	-	595.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_16
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	10M	84.2u	-	-	1.046
2	3	7M	74.5u	1.682m	1.554m	174.0m
3	3	11M	73.3u	1.420m	1.660m	941.5m
4	2	7M	97.4u	1.063m	-	308.1m
5	2	17M	74.3u	1.864m	-	904.3m
6	3	17M	72.5u	1.792m	1.852m	890.5m
7	2	15M	99.3u	1.139m	-	952.2m
8	3	12M	94.3u	1.736m	1.089m	286.5m
9	1	15M	98.1u	-	-	690.1m
10	2	13M	59.2u	1.548m	-	8.338m
11	3	8M	69.2u	976.8u	1.580m	659.6m

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	3	12M	69.0u	1.183m	1.301m	761.3m
2	2	7M	65.6u	1.442m	-	279.0m
3	2	17M	79.3u	1.166m	-	668.2m
4	2	11M	70.9u	1.674m	-	387.3m
5	3	19M	65.0u	1.667m	1.588m	464.5m
6	3	16M	75.9u	1.039m	1.301m	283.1m
7	1	15M	93.6u	-	-	536.1m
8	1	17M	91.6u	-	-	689.8m
9	1	7M	96.1u	-	-	356.2m
10	2	13M	60.9u	1.909m	-	405.5m
11	2	8M	83.0u	1.688m	-	308.7m
12	2	17M	96.7u	1.512m	-	834.0m
13	1	15M	52.3u	-	-	716.4m

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	75.0u	1.490m	1.228m	500.5m
2	1	17M	81.8u	-	-	126.7m
3	2	5M	83.2u	1.776m	-	638.3m
4	2	10M	82.6u	1.128m	-	225.5m
5	2	9M	53.2u	1.267m	-	151.1m
6	3	6M	61.5u	1.602m	968.5u	677.1m
7	3	10M	64.1u	1.612m	1.747m	431.4m
8	1	10M	87.0u	-	-	139.1m
9	2	11M	74.6u	1.601m	-	586.5m
10	1	19M	92.0u	-	-	663.7m
11	1	15M	70.2u	-	-	300.1m
12	2	15M	78.3u	984.7u	-	86.89m
13	2	14M	60.6u	951.4u	-	702.3m
14	3	9M	72.3u	1.384m	1.160m	287.1m
15	3	8M	58.0u	1.863m	1.234m	136.8m
16	1	20M	68.7u	-	-	512.8m
17	2	18M	57.6u	1.006m	-	57.91m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_19
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	66.3u	1.543m	1.375m	696.0m
2	2	17M	74.6u	1.316m	-	88.99m
3	1	17M	73.7u	-	-	617.5m
4	2	11M	67.3u	1.183m	-	459.8m
5	2	13M	54.3u	1.889m	-	434.9m
6	3	8M	57.9u	1.235m	1.771m	404.8m
7	2	15M	76.0u	1.754m	-	239.0m
8	2	7M	94.4u	1.397m	-	867.5m
9	1	10M	68.4u	-	-	805.5m
10	1	5M	66.4u	-	-	800.4m
11	1	11M	50.2u	-	-	664.0m
12	2	16M	85.7u	1.012m	-	598.1m
13	3	20M	53.4u	1.140m	1.131m	716.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_20
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	13M	65.1u	1.490m	-	505.5m
2	2	18M	97.3u	1.679m	-	277.4m
3	2	11M	56.0u	1.220m	-	238.4m
4	2	7M	92.1u	1.124m	-	146.2m
5	2	20M	78.5u	1.749m	-	48.32m
6	3	12M	70.3u	1.249m	1.476m	272.6m
7	3	19M	97.5u	1.081m	1.348m	26.41m
8	1	8M	54.4u	-	-	586.7m
9	2	15M	67.0u	1.553m	-	82.67m
10	1	10M	71.4u	-	-	223.6m
11	3	19M	53.5u	1.830m	977.5u	244.0m
12	3	19M	85.0u	1.785m	1.370m	500.1m
13	2	11M	65.5u	1.344m	-	253.0m
14	1	17M	79.1u	-	-	67.39m
15	3	18M	67.0u	1.701m	1.724m	479.6m
16	2	19M	55.7u	1.609m	-	614.8m
17	2	14M	61.8u	1.434m	-	254.9m
18	2	9M	61.3u	1.358m	-	294.2m
19	2	20M	55.3u	1.532m	-	171.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_21
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	15M	69.9u	1.847m	1.594m	726.3m
2	3	9M	60.7u	1.566m	1.764m	903.5m
3	2	15M	50.8u	1.476m	-	645.0m
4	3	14M	54.2u	1.698m	1.274m	839.1m
5	1	15M	74.0u	-	-	856.7m
6	3	19M	63.1u	1.374m	1.527m	655.4m
7	2	16M	81.5u	1.266m	-	562.2m
8	2	14M	52.7u	1.716m	-	739.0m
9	2	11M	76.0u	1.595m	-	574.9m
10	1	18M	51.6u	-	-	569.1m
11	3	6M	99.9u	1.812m	1.161m	420.8m
12	2	12M	86.7u	1.469m	-	456.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_22
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	9M	56.8u	1.624m	-	551.4m
2	2	18M	84.0u	1.697m	-	62.03m
3	3	11M	67.3u	1.180m	1.414m	682.1m
4	3	20M	89.5u	1.582m	1.022m	162.6m
5	2	15M	64.7u	1.356m	-	532.1m
6	2	13M	62.6u	1.818m	-	462.1m
7	2	6M	69.6u	1.085m	-	186.7m
8	2	17M	52.4u	1.312m	-	525.4m
9	2	8M	94.3u	950.7u	-	384.5m
10	2	17M	73.8u	1.355m	-	347.6m
11	2	9M	97.9u	1.298m	-	421.8m
12	2	12M	79.0u	1.444m	-	294.8m
13	1	13M	93.5u	-	-	100.7m
14	2	9M	65.1u	1.204m	-	435.1m
15	1	6M	56.5u	-	-	309.9m
16	2	17M	87.5u	1.164m	-	214.2m
17	3	20M	97.1u	1.295m	1.888m	490.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_23
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	6M	95.0u	1.205m	-	6.434m
2	2	15M	61.2u	1.857m	-	478.3m
3	1	10M	62.4u	-	-	638.7m
4	2	19M	80.1u	1.332m	-	353.2m
5	1	14M	63.0u	-	-	82.36m
6	1	15M	62.9u	-	-	188.4m
7	2	17M	73.8u	1.195m	-	244.1m
8	1	19M	92.7u	-	-	589.6m
9	3	15M	76.7u	1.337m	1.550m	542.0m
10	1	19M	83.1u	-	-	571.0m
11	2	10M	99.1u	1.468m	-	375.5m
12	3	13M	78.7u	1.538m	1.542m	99.12m
13	2	5M	79.0u	1.745m	-	504.5m
14	2	7M	53.5u	1.600m	-	116.7m
15	3	17M	85.7u	1.833m	1.332m	691.5m
16	2	8M	51.9u	1.158m	-	361.7m
17	2	14M	86.9u	1.333m	-	248.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_24
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	10M	99.9u	1.827m	1.652m	378.7m
2	2	6M	98.1u	1.280m	-	56.57m
3	2	16M	83.2u	1.678m	-	477.3m
4	1	16M	90.3u	-	-	384.1m
5	3	18M	94.6u	1.140m	1.159m	566.8m
6	1	19M	71.6u	-	-	96.88m
7	2	8M	88.0u	1.519m	-	68.91m
8	3	7M	90.9u	1.872m	1.658m	320.8m
9	1	15M	64.1u	-	-	446.1m
10	3	18M	79.3u	1.355m	1.123m	470.9m
11	1	14M	93.2u	-	-	192.0m
12	3	11M	67.1u	1.797m	1.228m	911.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_25
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	1	10M	68.5u	-	-	227.3m
2	1	17M	90.3u	-	-	453.8m
3	2	6M	74.2u	1.503m	-	223.0m
4	1	15M	80.4u	-	-	212.4m
5	2	18M	64.1u	1.723m	-	55.27m
6	2	11M	80.4u	1.682m	-	447.3m
7	2	17M	82.7u	1.344m	-	339.3m
8	1	6M	64.1u	-	-	108.8m
9	3	12M	66.6u	1.482m	1.446m	368.3m
10	2	17M	67.4u	1.485m	-	699.8m
11	3	18M	94.3u	1.258m	1.701m	272.6m
12	3	18M	85.9u	1.344m	1.467m	598.0m
13	2	17M	55.2u	1.193m	-	228.4m
14	2	13M	79.4u	1.563m	-	23.70m
15	3	14M	68.3u	1.868m	1.199m	492.6m
16	1	19M	95.8u	-	-	627.2m
17	2	9M	54.5u	1.919m	-	444.5m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
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	17M	81.4u	-	-	1.210
2	3	17M	57.8u	1.528m	1.747m	1.194
3	3	11M	84.7u	1.798m	1.278m	694.2m
4	2	7M	94.4u	1.662m	-	196.3m
5	3	13M	72.9u	974.1u	1.341m	1.075
6	2	7M	59.2u	1.543m	-	101.7m
7	2	7M	75.0u	1.006m	-	481.1m
8	3	5M	51.2u	1.642m	1.783m	344.5m
9	1	10M	87.0u	-	-	837.5m

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	1	17M	93.5u	-	-	154.6m
2	3	8M	95.6u	984.4u	1.805m	468.8m
3	2	20M	87.7u	1.363m	-	302.5m
4	2	6M	76.4u	1.902m	-	341.4m
5	2	16M	91.3u	1.355m	-	217.4m
6	2	17M	86.5u	1.728m	-	232.0m
7	2	12M	93.8u	1.569m	-	288.1m
8	1	20M	58.5u	-	-	229.2m
9	2	7M	80.8u	1.603m	-	208.0m
10	2	11M	93.2u	1.504m	-	196.1m
11	1	9M	83.9u	-	-	373.7m
12	2	18M	50.3u	1.169m	-	103.0m
13	2	10M	99.7u	1.093m	-	232.2m
14	2	16M	66.7u	1.309m	-	241.6m
15	2	6M	97.2u	1.187m	-	16.09m
16	1	12M	86.1u	-	-	314.9m
17	3	17M	88.8u	1.496m	1.670m	59.44m
18	2	11M	84.5u	1.386m	-	641.3m

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	3	15M	75.8u	1.174m	1.909m	106.8m
2	2	17M	68.3u	1.366m	-	30.88m
3	2	10M	57.9u	1.403m	-	483.6m
4	3	18M	63.0u	1.315m	947.0u	221.5m
5	2	9M	79.8u	1.014m	-	537.5m
6	2	11M	51.1u	1.551m	-	596.9m
7	1	17M	66.7u	-	-	176.3m
8	2	14M	92.2u	1.714m	-	359.9m
9	2	16M	79.0u	1.150m	-	103.9m
10	3	17M	64.7u	1.048m	946.3u	565.7m
11	1	19M	92.4u	-	-	396.1m
12	3	17M	75.4u	1.221m	1.529m	105.8m
13	1	9M	93.6u	-	-	405.2m
14	2	10M	82.3u	1.350m	-	220.4m
15	2	18M	84.8u	1.700m	-	383.4m
16	3	16M	71.2u	1.335m	1.442m	537.9m
17	1	18M	90.0u	-	-	536.5m
18	2	18M	82.2u	1.667m	-	412.1m

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	3	5M	58.7u	1.518m	1.306m	452.6m
2	2	15M	84.2u	1.146m	-	481.7m
3	3	7M	53.3u	1.027m	1.766m	515.4m
4	2	19M	75.7u	1.055m	-	374.8m
5	3	17M	83.9u	1.442m	1.842m	539.9m
6	2	9M	71.3u	1.434m	-	396.2m
7	2	7M	87.9u	1.120m	-	644.6m
8	1	18M	95.2u	-	-	142.1m
9	3	17M	91.0u	1.450m	1.697m	775.8m
10	2	15M	93.7u	1.479m	-	653.5m
11	3	10M	86.3u	1.120m	1.499m	407.6m
12	3	18M	93.4u	1.581m	1.449m	522.8m
13	2	13M	51.7u	1.074m	-	94.92m
14	2	10M	51.1u	1.567m	-	577.7m
15	3	11M	52.3u	1.059m	1.561m	21.57m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
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	17M	66.7u	1.913m	-	35.88m
2	3	7M	80.4u	1.206m	1.687m	280.8m
3	2	14M	88.5u	1.175m	-	94.30m
4	1	13M	80.7u	-	-	494.7m
5	2	17M	62.9u	1.173m	-	632.1m
6	1	14M	81.6u	-	-	461.5m
7	2	16M	58.4u	1.894m	-	552.4m
8	2	19M	74.2u	1.443m	-	334.5m
9	1	10M	63.9u	-	-	178.3m
10	2	5M	67.9u	1.082m	-	147.5m
11	3	5M	88.8u	1.795m	1.225m	657.9m
12	3	10M	83.2u	1.366m	1.147m	884.6m

IEEE 802.11N 40MHz

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_01
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	70.2u	1.439m	-	504.1m
2	2	19M	84.5u	1.631m	-	399.6m
3	3	5M	94.9u	1.418m	1.094m	340.4m
4	3	7M	91.7u	1.619m	1.709m	554.0m
5	2	11M	70.4u	1.685m	-	403.7m
6	1	10M	91.4u	-	-	210.3m
7	2	11M	66.3u	1.179m	-	571.0m
8	2	6M	65.0u	1.271m	-	127.8m
9	1	11M	71.1u	-	-	113.0m
10	2	11M	56.0u	1.768m	-	410.7m
11	2	12M	50.6u	1.542m	-	353.9m
12	2	19M	90.2u	948.8u	-	513.9m
13	3	13M	71.4u	1.221m	1.199m	174.8m
14	1	9M	98.7u	-	-	147.5m
15	3	20M	87.1u	996.9u	1.434m	32.34m
16	3	19M	90.7u	1.268m	1.908m	527.5m
17	2	17M	99.0u	1.001m	-	112.3m
18	3	17M	63.8u	1.353m	1.313m	457.9m
19	3	10M	61.2u	1.881m	1.292m	222.3m
20	3	16M	90.0u	1.847m	1.237m	161.8m

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	20M	54.4u	1.453m	-	1.929m
2	2	20M	64.5u	1.875m	-	322.3m
3	1	14M	94.9u	-	-	115.6m
4	1	20M	74.3u	-	-	297.6m
5	2	19M	97.1u	1.822m	-	579.0m
6	2	14M	96.8u	1.557m	-	197.3m
7	2	8M	52.4u	1.196m	-	496.0m
8	1	10M	59.7u	-	-	135.8m
9	1	12M	92.4u	-	-	524.6m
10	2	7M	73.3u	962.7u	-	334.6m
11	2	18M	72.1u	1.521m	-	12.12m
12	1	6M	90.6u	-	-	203.1m
13	3	14M	90.4u	1.909m	1.496m	397.4m
14	2	17M	79.2u	1.536m	-	576.5m
15	1	6M	96.1u	-	-	264.0m
16	1	15M	60.6u	-	-	177.6m
17	2	15M	52.2u	1.249m	-	590.1m
18	2	13M	65.0u	1.125m	-	524.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
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	19M	61.8u	-	-	194.0m
2	2	6M	77.7u	1.335m	-	136.1m
3	2	9M	80.7u	1.715m	-	115.3m
4	3	6M	55.4u	1.161m	981.6u	46.12m
5	1	15M	61.1u	-	-	199.1m
6	2	6M	80.6u	1.167m	-	343.2m
7	1	7M	79.9u	-	-	534.0m
8	2	12M	94.9u	1.609m	-	28.65m
9	3	11M	95.0u	1.339m	938.0u	440.0m
10	1	8M	92.5u	-	-	237.7m
11	2	19M	62.3u	1.583m	-	570.3m
12	2	10M	56.0u	1.719m	-	737.9m
13	3	16M	84.3u	1.665m	1.443m	383.9m
14	2	16M	71.1u	966.9u	-	87.07m
15	2	14M	78.0u	1.825m	-	210.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
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	5M	71.2u	1.644m	1.186m	272.7m
2	2	20M	84.9u	1.799m	-	1.196
3	3	17M	91.5u	1.615m	980.5u	705.7m
4	2	19M	72.3u	993.7u	-	397.9m
5	2	9M	89.6u	1.440m	-	61.20m
6	2	5M	79.3u	1.156m	-	589.8m
7	3	14M	57.6u	1.829m	1.012m	1.063
8	1	16M	87.2u	-	-	210.6m
9	2	9M	99.3u	1.637m	-	153.2m

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	1	12M	91.3u	-	-	401.5m
2	2	7M	95.9u	1.043m	-	591.2m
3	3	10M	51.0u	1.817m	1.783m	256.3m
4	2	13M	78.5u	1.873m	-	464.9m
5	1	18M	53.1u	-	-	501.6m
6	2	10M	79.0u	1.661m	-	799.8m
7	3	16M	66.9u	1.141m	1.169m	202.6m
8	2	6M	74.1u	1.763m	-	32.61m
9	1	8M	79.5u	-	-	100.1m
10	2	7M	66.9u	1.919m	-	279.4m
11	2	19M	84.6u	919.4u	-	177.6m
12	2	13M	51.1u	1.101m	-	302.0m
13	3	12M	88.3u	1.178m	1.646m	429.0m

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	10M	73.5u	1.883m	-	327.7m
2	2	17M	54.3u	1.434m	-	813.3m
3	2	14M	51.6u	1.144m	-	1.201
4	1	7M	81.9u	-	-	566.7m
5	1	9M	90.0u	-	-	1.292
6	1	13M	62.4u	-	-	895.4m
7	1	12M	87.1u	-	-	594.8m
8	2	5M	62.6u	1.438m	-	17.94m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_07
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	76.9u	1.737m	-	515.1m
2	1	7M	58.8u	-	-	469.2m
3	2	7M	85.7u	1.031m	-	130.3m
4	2	15M	66.0u	1.846m	-	557.0m
5	1	8M	88.6u	-	-	528.3m
6	2	13M	56.6u	1.570m	-	165.5m
7	3	14M	51.8u	1.063m	1.711m	292.4m
8	1	19M	92.8u	-	-	265.9m
9	2	8M	66.0u	1.755m	-	557.5m
10	1	14M	51.1u	-	-	309.7m
11	1	12M	64.4u	-	-	481.2m
12	3	17M	94.9u	1.405m	955.1u	75.45m
13	3	19M	50.4u	990.6u	1.836m	590.2m
14	2	5M	80.8u	1.091m	-	345.1m
15	1	14M	80.5u	-	-	377.5m
16	3	8M	97.0u	1.435m	1.086m	323.4m
17	2	7M	53.5u	1.940m	-	79.01m
18	3	19M	84.9u	1.723m	1.116m	460.7m
19	2	17M	66.1u	1.139m	-	338.2m
20	1	5M	70.7u	-	-	314.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_08
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	6M	54.0u	-	-	343.9m
2	2	10M	77.3u	963.7u	-	376.0m
3	2	15M	91.8u	1.552m	-	394.9m
4	1	13M	50.9u	-	-	340.2m
5	2	11M	76.8u	1.151m	-	431.8m
6	2	15M	71.3u	1.210m	-	615.8m
7	3	17M	80.5u	1.709m	1.787m	441.3m
8	1	20M	75.7u	-	-	320.6m
9	2	19M	88.1u	1.725m	-	353.7m
10	3	8M	55.2u	1.008m	1.597m	390.0m
11	2	12M	77.9u	1.555m	-	492.3m
12	3	17M	75.9u	1.186m	1.294m	61.02m
13	1	9M	52.5u	-	-	315.6m
14	1	13M	77.9u	-	-	225.8m
15	1	11M	50.7u	-	-	41.00m
16	1	18M	79.6u	-	-	464.4m
17	1	8M	67.4u	-	-	317.4m
18	2	19M	73.9u	1.348m	-	615.6m
19	3	15M	79.6u	1.640m	1.246m	207.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_09
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	7M	85.7u	1.151m	1.061m	4.781m
2	1	9M	52.1u	-	-	380.1m
3	3	6M	66.9u	1.041m	1.697m	585.4m
4	2	8M	93.4u	1.149m	-	344.5m
5	2	17M	59.4u	1.657m	-	534.7m
6	1	5M	66.6u	-	-	140.9m
7	3	11M	69.0u	1.298m	1.328m	344.3m
8	2	18M	86.4u	1.498m	-	635.6m
9	1	5M	71.5u	-	-	38.46m
10	2	19M	84.6u	1.212m	-	364.9m
11	1	6M	83.2u	-	-	327.2m
12	2	9M	88.8u	1.630m	-	82.27m
13	2	11M	96.0u	1.184m	-	714.3m
14	2	14M	97.5u	909.5u	-	654.5m
15	2	5M	72.0u	1.232m	-	610.9m
16	2	14M	87.2u	1.813m	-	564.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_10
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	11M	97.4u	-	-	598.5m
2	3	20M	82.5u	1.723m	1.429m	605.9m
3	2	20M	83.8u	1.036m	-	125.8m
4	2	5M	50.8u	1.787m	-	1.067
5	2	7M	90.6u	1.164m	-	924.6m
6	2	10M	57.0u	1.357m	-	822.7m
7	2	7M	67.2u	1.585m	-	663.1m
8	2	19M	51.3u	1.422m	-	48.11m
9	3	11M	73.8u	1.343m	1.259m	334.8m
10	2	12M	66.8u	1.336m	-	714.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_11
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	15M	70.9u	1.559m	-	441.6m
2	1	10M	56.6u	-	-	375.2m
3	2	12M	98.7u	1.493m	-	211.1m
4	1	18M	88.0u	-	-	363.6m
5	1	7M	62.4u	-	-	300.7m
6	1	5M	84.8u	-	-	306.0m
7	2	15M	76.7u	1.474m	-	43.17m
8	3	13M	90.4u	958.6u	1.559m	524.9m
9	2	12M	87.4u	920.6u	-	235.7m
10	3	11M	97.8u	1.683m	1.107m	444.8m
11	2	18M	72.4u	1.500m	-	389.7m
12	1	9M	60.8u	-	-	575.9m
13	2	6M	90.0u	1.394m	-	524.5m
14	3	15M	93.9u	1.783m	1.008m	167.7m
15	3	16M	83.0u	1.594m	1.703m	49.85m
16	2	16M	93.6u	1.601m	-	116.5m
17	2	10M	71.2u	1.458m	-	66.74m
18	2	20M	54.4u	1.487m	-	399.5m
19	2	20M	94.8u	1.874m	-	118.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_12
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	16M	83.4u	-	-	1.134
2	2	18M	70.1u	1.695m	-	1.300
3	2	11M	63.3u	1.793m	-	356.8m
4	3	8M	69.8u	1.613m	1.591m	690.0m
5	2	19M	66.6u	1.307m	-	730.9m
6	2	13M	85.1u	1.106m	-	1.183
7	2	8M	88.6u	1.800m	-	106.6m
8	3	16M	92.3u	1.731m	1.683m	193.3m
9	3	9M	99.0u	1.146m	1.034m	128.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_13
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	18M	84.2u	916.8u	1.528m	98.81m
2	1	6M	66.9u	-	-	163.8m
3	1	11M	78.4u	-	-	372.0m
4	1	17M	85.7u	-	-	1.822m
5	2	11M	56.5u	1.402m	-	3.324m
6	2	6M	85.6u	1.533m	-	516.4m
7	2	17M	66.3u	1.265m	-	176.2m
8	2	14M	74.5u	1.154m	-	535.1m
9	3	7M	67.5u	1.420m	1.138m	83.76m
10	1	11M	71.4u	-	-	472.6m
11	2	8M	76.6u	1.173m	-	155.9m
12	1	5M	50.1u	-	-	575.7m
13	3	17M	87.0u	1.416m	1.909m	182.2m
14	2	15M	93.5u	943.5u	-	554.3m
15	1	16M	65.2u	-	-	154.2m
16	2	14M	61.5u	1.903m	-	281.6m
17	3	14M	55.2u	1.371m	1.381m	552.3m
18	1	15M	78.1u	-	-	242.9m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_14
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	5M	95.0u	1.714m	-	895.3m
2	2	6M	77.8u	1.830m	-	122.7m
3	2	18M	78.9u	1.835m	-	556.5m
4	3	11M	69.1u	1.624m	1.862m	599.3m
5	2	17M	76.0u	1.912m	-	113.8m
6	2	20M	75.7u	1.216m	-	671.2m
7	1	11M	91.4u	-	-	940.9m
8	1	6M	87.3u	-	-	645.2m
9	1	13M	54.2u	-	-	747.2m
10	3	20M	53.7u	1.779m	1.865m	14.33m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_15
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	16M	94.5u	1.736m	-	101.3m
2	2	14M	98.6u	1.900m	-	280.3m
3	3	9M	82.5u	1.485m	1.362m	392.7m
4	2	14M	76.8u	1.677m	-	341.4m
5	2	12M	54.2u	1.563m	-	98.48m
6	2	14M	72.3u	1.381m	-	240.7m
7	2	8M	78.0u	1.499m	-	130.9m
8	2	14M	62.3u	1.035m	-	1.715m
9	2	18M	61.7u	1.329m	-	516.4m
10	1	6M	92.8u	-	-	487.4m
11	2	9M	65.8u	1.688m	-	534.9m
12	2	15M	81.2u	1.391m	-	260.6m
13	2	15M	90.0u	1.653m	-	73.91m
14	2	14M	94.3u	1.544m	-	452.0m
15	2	16M	86.4u	920.6u	-	203.1m
16	2	19M	60.6u	1.454m	-	122.2m
17	1	10M	66.7u	-	-	123.2m
18	3	14M	94.3u	1.569m	1.336m	480.6m
19	1	13M	56.2u	-	-	173.7m
20	1	11M	78.0u	-	-	174.4m

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	77.2u	1.549m	-	580.2m
2	1	18M	71.3u	-	-	531.3m
3	1	8M	73.1u	-	-	34.00m
4	3	8M	95.4u	1.750m	1.109m	113.3m
5	1	13M	76.4u	-	-	349.8m
6	2	13M	90.7u	958.3u	-	484.9m
7	2	8M	93.4u	1.586m	-	78.29m
8	3	19M	58.1u	943.9u	1.389m	200.1m
9	1	9M	91.9u	-	-	108.7m
10	2	15M	72.1u	1.496m	-	280.2m
11	1	6M	66.1u	-	-	426.8m
12	3	7M	79.4u	1.563m	1.316m	15.62m
13	2	16M	88.8u	1.306m	-	457.5m
14	2	10M	67.3u	1.146m	-	494.9m
15	1	17M	81.4u	-	-	280.3m
16	1	7M	98.5u	-	-	635.3m
17	3	20M	51.4u	1.136m	1.303m	643.9m
18	2	9M	63.7u	1.157m	-	659.2m

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	13M	78.0u	1.094m	-	588.4m
2	2	15M	83.6u	1.793m	-	495.9m
3	1	19M	81.0u	-	-	49.92m
4	1	20M	99.0u	-	-	415.5m
5	2	5M	61.8u	1.579m	-	506.9m
6	2	15M	64.0u	1.706m	-	101.4m
7	3	18M	97.8u	1.685m	1.191m	223.3m
8	2	17M	62.6u	1.525m	-	30.57m
9	3	14M	89.1u	1.596m	1.384m	603.9m
10	1	13M	80.0u	-	-	702.5m
11	3	8M	95.5u	1.582m	1.370m	798.8m
12	3	12M	99.8u	941.2u	1.828m	675.2m
13	1	10M	98.2u	-	-	772.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_18
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	18M	65.7u	1.335m	-	524.1m
2	2	16M	65.1u	1.228m	-	607.6m
3	2	10M	80.8u	922.2u	-	733.2m
4	3	18M	66.7u	1.412m	1.130m	185.1m
5	1	13M	65.1u	-	-	279.8m
6	3	17M	95.5u	1.149m	1.416m	484.5m
7	1	20M	50.6u	-	-	650.4m
8	1	13M	80.8u	-	-	301.8m
9	1	5M	99.3u	-	-	768.8m
10	2	15M	76.2u	1.670m	-	11.37m
11	1	10M	80.5u	-	-	491.4m
12	2	7M	76.2u	1.600m	-	458.6m
13	2	17M	68.6u	1.535m	-	807.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_19
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	8M	82.5u	1.446m	-	534.9m
2	1	19M	66.0u	-	-	487.1m
3	2	10M	65.8u	1.383m	-	649.5m
4	3	8M	92.9u	1.780m	1.387m	314.4m
5	1	15M	71.0u	-	-	495.5m
6	1	19M	54.8u	-	-	76.19m
7	2	12M	71.9u	997.1u	-	720.3m
8	3	20M	76.6u	1.071m	1.486m	565.0m
9	1	11M	77.2u	-	-	454.5m
10	3	11M	77.2u	1.282m	1.662m	275.5m
11	1	10M	98.3u	-	-	648.4m
12	1	13M	70.5u	-	-	627.6m
13	3	18M	54.3u	1.463m	1.039m	298.5m
14	3	11M	56.0u	1.688m	1.839m	476.2m
15	1	15M	54.2u	-	-	523.5m
16	3	8M	95.1u	1.642m	1.696m	60.51m

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	3	16M	56.9u	1.546m	1.903m	569.8m
2	3	13M	88.6u	1.563m	1.897m	384.1m
3	2	11M	99.9u	1.390m	-	83.61m
4	2	12M	89.0u	1.146m	-	288.7m
5	3	13M	91.0u	1.347m	1.460m	432.2m
6	1	7M	78.4u	-	-	319.1m
7	3	15M	53.6u	1.231m	1.543m	358.8m
8	2	14M	65.1u	1.823m	-	289.8m
9	2	7M	55.3u	1.482m	-	695.7m
10	2	17M	80.0u	1.845m	-	306.2m
11	2	7M	90.6u	1.394m	-	54.97m
12	2	10M	67.0u	1.193m	-	22.80m
13	2	16M	87.5u	1.669m	-	588.5m
14	2	14M	66.8u	1.050m	-	295.0m
15	3	5M	54.6u	1.590m	1.760m	458.2m
16	3	17M	55.0u	1.498m	1.445m	330.8m
17	3	8M	81.8u	1.722m	1.328m	92.61m

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	1	13M	82.5u	-	-	250.1m
2	3	13M	63.8u	1.869m	1.639m	247.2m
3	3	6M	62.6u	1.664m	1.923m	226.0m
4	2	5M	71.1u	1.597m	-	747.1m
5	1	11M	60.6u	-	-	864.9m
6	2	15M	88.4u	990.6u	-	24.25m
7	3	7M	97.1u	1.088m	1.574m	114.3m
8	1	13M	78.2u	-	-	186.8m
9	2	8M	57.2u	1.073m	-	1.080
10	2	6M	94.9u	1.648m	-	251.7m
11	3	11M	77.2u	1.857m	1.131m	196.1m

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	2	19M	63.2u	1.696m	-	1.273
2	2	6M	78.8u	1.909m	-	441.2m
3	1	13M	56.6u	-	-	1.045
4	3	10M	54.1u	1.775m	1.623m	232.3m
5	3	16M	58.5u	1.140m	1.120m	749.8m
6	2	10M	81.2u	1.898m	-	606.0m
7	3	7M	92.4u	1.098m	1.468m	1.006
8	3	10M	97.7u	978.3u	1.768m	330.2m
9	1	18M	77.8u	-	-	989.9m

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	7M	89.3u	1.057m	-	32.69m
2	2	17M	54.3u	1.285m	-	332.9m
3	3	17M	65.4u	1.698m	1.021m	513.7m
4	2	7M	79.8u	1.456m	-	273.7m
5	2	11M	79.5u	921.5u	-	809.4m
6	2	9M	52.0u	1.444m	-	859.9m
7	3	13M	78.5u	1.857m	1.279m	912.9m
8	2	7M	65.2u	1.105m	-	281.3m
9	2	18M	78.8u	1.104m	-	875.6m
10	2	15M	68.2u	965.8u	-	784.0m
11	1	19M	98.7u	-	-	432.7m
12	1	6M	52.8u	-	-	308.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_24
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	91.3u	-	-	411.8m
2	1	12M	50.0u	-	-	747.2m
3	2	9M	99.4u	1.407m	-	751.2m
4	2	9M	78.2u	1.305m	-	303.7m
5	1	13M	77.5u	-	-	642.6m
6	2	10M	89.4u	951.6u	-	570.7m
7	1	10M	65.6u	-	-	703.2m
8	1	13M	98.6u	-	-	863.8m
9	3	20M	95.6u	1.150m	1.774m	72.81m
10	2	14M	76.5u	1.143m	-	710.4m
11	2	10M	90.0u	1.249m	-	652.0m
12	2	16M	64.4u	1.897m	-	81.01m
13	3	7M	67.1u	1.147m	1.131m	567.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_25
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	19M	62.0u	1.790m	-	475.9m
2	2	17M	60.0u	1.594m	-	8.647m
3	2	19M	89.7u	966.3u	-	285.9m
4	3	9M	97.8u	1.295m	1.431m	170.8m
5	1	11M	79.1u	-	-	445.1m
6	2	14M	77.6u	1.685m	-	354.3m
7	1	20M	76.4u	-	-	152.1m
8	2	12M	70.0u	1.179m	-	587.6m
9	2	16M	63.8u	1.857m	-	355.9m
10	2	7M	84.5u	940.5u	-	77.54m
11	3	8M	89.4u	1.557m	1.355m	570.2m
12	2	11M	62.7u	1.246m	-	700.0m
13	2	15M	70.0u	1.536m	-	505.0m
14	2	13M	97.7u	1.364m	-	750.0m
15	1	13M	85.6u	-	-	312.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
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	78.9u	-	-	826.0m
2	1	12M	68.9u	-	-	375.2m
3	2	7M	78.7u	1.845m	-	858.8m
4	2	19M	77.7u	1.249m	-	633.7m
5	3	5M	57.8u	952.2u	1.470m	499.9m
6	2	19M	60.5u	1.474m	-	978.7m
7	2	7M	63.9u	1.692m	-	528.6m
8	3	12M	55.9u	1.449m	1.467m	1.151
9	3	12M	88.6u	1.423m	1.169m	80.38m
10	2	11M	57.3u	1.245m	-	436.5m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_27
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	72.9u	-	-	238.9m
2	2	7M	70.2u	1.715m	-	518.4m
3	1	11M	65.3u	-	-	306.9m
4	2	11M	66.2u	1.251m	-	672.2m
5	3	15M	69.3u	1.477m	1.623m	367.5m
6	2	13M	63.8u	963.2u	-	251.6m
7	2	20M	90.0u	1.039m	-	345.8m
8	1	15M	50.6u	-	-	537.2m
9	1	13M	57.3u	-	-	312.1m
10	3	20M	71.9u	988.1u	1.334m	371.7m
11	3	8M	86.1u	1.351m	1.435m	555.0m
12	2	11M	52.9u	1.227m	-	46.05m
13	2	16M	78.6u	1.249m	-	377.4m
14	2	15M	81.3u	1.429m	-	47.91m
15	3	19M	66.5u	1.191m	1.448m	318.9m

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	17M	60.0u	1.145m	-	54.75m
2	3	7M	71.6u	1.194m	1.636m	408.9m
3	1	11M	62.0u	-	-	371.3m
4	2	11M	51.7u	1.894m	-	351.8m
5	2	17M	86.5u	1.654m	-	302.6m
6	2	6M	74.0u	1.313m	-	433.5m
7	3	18M	57.6u	1.244m	1.595m	4.968m
8	3	19M	96.9u	1.612m	1.565m	96.50m
9	2	19M	79.2u	1.200m	-	654.5m
10	1	8M	53.5u	-	-	483.6m
11	1	11M	79.2u	-	-	296.8m
12	2	11M	84.8u	1.116m	-	200.9m
13	2	11M	83.6u	1.294m	-	625.0m
14	1	9M	75.6u	-	-	23.63m
15	1	8M	95.6u	-	-	584.4m
16	1	15M	90.3u	-	-	261.8m
17	2	11M	60.7u	1.684m	-	572.4m
18	3	5M	52.2u	1.706m	1.222m	296.7m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_29 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	1	9M	52.8u	-	-	377.5m
2	2	17M	94.1u	1.523m	-	74.56m
3	3	8M	80.0u	1.472m	1.204m	650.8m
4	2	17M	99.4u	1.329m	-	362.8m
5	1	15M	76.9u	-	-	431.0m
6	1	7M	82.4u	-	-	314.1m
7	2	9M	51.4u	1.684m	-	647.2m
8	1	15M	93.8u	-	-	614.5m
9	2	11M	78.8u	1.782m	-	320.2m
10	2	6M	79.6u	924.4u	-	315.3m
11	1	8M	99.9u	-	-	508.1m
12	3	12M	93.0u	1.195m	1.367m	393.2m
13	3	6M	56.5u	1.374m	1.623m	151.6m
14	2	15M	99.7u	1.618m	-	362.5m
15	1	12M	75.2u	-	-	42.06m
16	3	16M	91.6u	1.135m	1.286m	491.7m
17	2	20M	89.1u	989.9u	-	525.7m
18	1	15M	91.2u	-	-	462.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
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	5M	85.5u	1.089m	1.277m	176.7m
2	2	12M	86.7u	1.743m	-	601.2m
3	2	10M	50.4u	1.279m	-	341.1m
4	3	12M	63.1u	1.417m	1.361m	768.9m
5	2	15M	81.1u	1.835m	-	1.284
6	1	13M	77.1u	-	-	1.177
7	2	16M	74.3u	984.7u	-	39.38m
8	3	9M	86.6u	1.913m	1.234m	612.4m
9	3	5M	56.6u	1.929m	1.803m	954.1m

B.2 The Frequency Hopping Radar Pattern

IEEE 802.11N 20MHz.

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.565G	2	5.331G	3	5.330G	4	5.388G
5	5.681G	6	5.385G	7	5.627G	8	5.454G
9	5.626G	10	5.589G	11	5.440G	12	5.661G
13	5.442G	14	5.333G	15	5.650G	16	5.329G
17	5.629G	18	5.398G	19	5.382G	20	5.457G
21	5.652G	22	5.672G	23	5.371G	24	5.562G
25	5.416G	26	5.522G	27	5.664G	28	5.574G
29	5.252G	30	5.327G	31	5.689G	32	5.583G
33	5.448G	34	5.447G	35	5.578G	36	5.682G
37	5.554G	38	5.527G	39	5.339G	40	5.450G
41	5.381G	42	5.712G	43	5.647G	44	5.531G
45	5.295G	46	5.314G	47	5.594G	48	5.253G
49	5.613G	50	5.443G	51	5.394G	52	5.509G
53	5.461G	54	5.361G	55	5.283G	56	5.502G
57	5.317G	58	5.406G	59	5.274G	60	5.492G
61	5.363G	62	5.480G	63	5.711G	64	5.345G
65	5.420G	66	5.609G	67	5.593G	68	5.658G
69	5.715G	70	5.375G	71	5.598G	72	5.344G
73	5.384G	74	5.510G	75	5.415G	76	5.323G
77	5.417G	78	5.301G	79	5.571G	80	5.693G
81	5.300G	82	5.705G	83	5.466G	84	5.458G
85	5.478G	86	5.267G	87	5.362G	88	5.688G
89	5.703G	90	5.568G	91	5.418G	92	5.489G
93	5.558G	94	5.614G	95	5.465G	96	5.665G
97	5.696G	98	5.426G	99	5.357G	100	5.563G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.450G	2	5.381G	3	5.596G	4	5.554G
5	5.518G	6	5.380G	7	5.504G	8	5.548G
9	5.254G	10	5.707G	11	5.695G	12	5.637G
13	5.315G	14	5.549G	15	5.372G	16	5.604G
17	5.589G	18	5.296G	19	5.717G	20	5.640G
21	5.701G	22	5.352G	23	5.606G	24	5.324G
25	5.411G	26	5.303G	27	5.469G	28	5.253G
29	5.600G	30	5.385G	31	5.682G	32	5.295G
33	5.383G	34	5.387G	35	5.613G	36	5.678G
37	5.374G	38	5.368G	39	5.555G	40	5.545G
41	5.410G	42	5.709G	43	5.607G	44	5.599G
45	5.304G	46	5.308G	47	5.499G	48	5.671G
49	5.532G	50	5.615G	51	5.663G	52	5.329G
53	5.425G	54	5.582G	55	5.673G	56	5.649G
57	5.395G	58	5.665G	59	5.691G	60	5.300G
61	5.586G	62	5.577G	63	5.652G	64	5.674G
65	5.536G	66	5.659G	67	5.624G	68	5.530G
69	5.574G	70	5.273G	71	5.439G	72	5.625G
73	5.706G	74	5.292G	75	5.501G	76	5.614G
77	5.718G	78	5.618G	79	5.579G	80	5.564G
81	5.346G	82	5.342G	83	5.626G	84	5.338G
85	5.454G	86	5.713G	87	5.629G	88	5.565G
89	5.644G	90	5.572G	91	5.703G	92	5.286G
93	5.702G	94	5.511G	95	5.328G	96	5.556G
97	5.269G	98	5.331G	99	5.557G	100	5.416G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.680G	2	5.435G	3	5.557G	4	5.684G
5	5.566G	6	5.385G	7	5.612G	8	5.449G
9	5.404G	10	5.643G	11	5.347G	12	5.383G
13	5.509G	14	5.685G	15	5.423G	16	5.498G
17	5.440G	18	5.512G	19	5.354G	20	5.298G
21	5.325G	22	5.550G	23	5.269G	24	5.485G
25	5.659G	26	5.628G	27	5.420G	28	5.328G
29	5.513G	30	5.441G	31	5.526G	32	5.586G
33	5.700G	34	5.636G	35	5.608G	36	5.713G
37	5.603G	38	5.641G	39	5.602G	40	5.461G
41	5.329G	42	5.288G	43	5.622G	44	5.312G
45	5.677G	46	5.714G	47	5.687G	48	5.291G
49	5.378G	50	5.376G	51	5.457G	52	5.301G
53	5.381G	54	5.278G	55	5.415G	56	5.405G
57	5.528G	58	5.321G	59	5.466G	60	5.505G
61	5.496G	62	5.584G	63	5.326G	64	5.398G
65	5.591G	66	5.334G	67	5.626G	68	5.462G
69	5.482G	70	5.252G	71	5.478G	72	5.346G
73	5.262G	74	5.410G	75	5.575G	76	5.394G
77	5.280G	78	5.309G	79	5.678G	80	5.458G
81	5.596G	82	5.274G	83	5.593G	84	5.716G
85	5.531G	86	5.634G	87	5.399G	88	5.389G
89	5.384G	90	5.711G	91	5.412G	92	5.263G
93	5.371G	94	5.699G	95	5.254G	96	5.275G
97	5.613G	98	5.451G	99	5.339G	100	5.661G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.403G	2	5.316G	3	5.572G	4	5.701G
5	5.623G	6	5.387G	7	5.444G	8	5.704G
9	5.694G	10	5.583G	11	5.540G	12	5.559G
13	5.294G	14	5.383G	15	5.545G	16	5.459G
17	5.333G	18	5.604G	19	5.667G	20	5.450G
21	5.337G	22	5.420G	23	5.569G	24	5.496G
25	5.558G	26	5.568G	27	5.269G	28	5.527G
29	5.636G	30	5.296G	31	5.397G	32	5.418G
33	5.363G	34	5.454G	35	5.517G	36	5.658G
37	5.573G	38	5.468G	39	5.280G	40	5.265G
41	5.627G	42	5.295G	43	5.490G	44	5.660G
45	5.364G	46	5.439G	47	5.579G	48	5.565G
49	5.377G	50	5.360G	51	5.292G	52	5.571G
53	5.597G	54	5.607G	55	5.679G	56	5.520G
57	5.473G	58	5.580G	59	5.612G	60	5.532G
61	5.392G	62	5.686G	63	5.639G	64	5.563G
65	5.554G	66	5.376G	67	5.308G	68	5.471G
69	5.298G	70	5.423G	71	5.338G	72	5.358G
73	5.547G	74	5.464G	75	5.710G	76	5.341G
77	5.600G	78	5.595G	79	5.534G	80	5.322G
81	5.601G	82	5.400G	83	5.543G	84	5.443G
85	5.303G	86	5.449G	87	5.505G	88	5.711G
89	5.523G	90	5.637G	91	5.312G	92	5.368G
93	5.610G	94	5.592G	95	5.574G	96	5.435G
97	5.690G	98	5.719G	99	5.268G	100	5.412G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.691G	2	5.686G	3	5.611G	4	5.426G
5	5.490G	6	5.640G	7	5.275G	8	5.259G
9	5.676G	10	5.522G	11	5.588G	12	5.288G
13	5.706G	14	5.557G	15	5.371G	16	5.368G
17	5.486G	18	5.251G	19	5.458G	20	5.632G
21	5.281G	22	5.530G	23	5.457G	24	5.413G
25	5.468G	26	5.510G	27	5.332G	28	5.492G
29	5.613G	30	5.653G	31	5.607G	32	5.633G
33	5.394G	34	5.469G	35	5.536G	36	5.401G
37	5.722G	38	5.310G	39	5.719G	40	5.578G
41	5.452G	42	5.327G	43	5.697G	44	5.423G
45	5.312G	46	5.537G	47	5.618G	48	5.523G
49	5.546G	50	5.302G	51	5.677G	52	5.320G
53	5.318G	54	5.608G	55	5.590G	56	5.586G
57	5.569G	58	5.365G	59	5.496G	60	5.473G
61	5.693G	62	5.600G	63	5.438G	64	5.644G
65	5.518G	66	5.258G	67	5.570G	68	5.268G
69	5.549G	70	5.418G	71	5.306G	72	5.604G
73	5.533G	74	5.500G	75	5.304G	76	5.362G
77	5.342G	78	5.668G	79	5.714G	80	5.645G
81	5.267G	82	5.663G	83	5.547G	84	5.524G
85	5.450G	86	5.395G	87	5.513G	88	5.367G
89	5.667G	90	5.433G	91	5.703G	92	5.424G
93	5.297G	94	5.396G	95	5.540G	96	5.556G
97	5.568G	98	5.641G	99	5.387G	100	5.689G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.562G	2	5.371G	3	5.678G	4	5.572G
5	5.617G	6	5.696G	7	5.519G	8	5.497G
9	5.502G	10	5.401G	11	5.570G	12	5.333G
13	5.476G	14	5.378G	15	5.254G	16	5.331G
17	5.367G	18	5.364G	19	5.479G	20	5.575G
21	5.524G	22	5.419G	23	5.719G	24	5.645G
25	5.578G	26	5.394G	27	5.341G	28	5.404G
29	5.571G	30	5.418G	31	5.297G	32	5.359G
33	5.682G	34	5.661G	35	5.373G	36	5.402G
37	5.268G	38	5.628G	39	5.712G	40	5.654G
41	5.684G	42	5.360G	43	5.429G	44	5.599G
45	5.686G	46	5.542G	47	5.453G	48	5.498G
49	5.670G	50	5.595G	51	5.346G	52	5.714G
53	5.408G	54	5.567G	55	5.551G	56	5.667G
57	5.610G	58	5.676G	59	5.310G	60	5.536G
61	5.499G	62	5.398G	63	5.593G	64	5.334G
65	5.374G	66	5.581G	67	5.529G	68	5.462G
69	5.664G	70	5.393G	71	5.344G	72	5.594G
73	5.319G	74	5.569G	75	5.323G	76	5.450G
77	5.533G	78	5.379G	79	5.619G	80	5.602G
81	5.508G	82	5.464G	83	5.471G	84	5.550G
85	5.277G	86	5.527G	87	5.285G	88	5.253G
89	5.512G	90	5.685G	91	5.433G	92	5.257G
93	5.521G	94	5.409G	95	5.660G	96	5.525G
97	5.308G	98	5.681G	99	5.584G	100	5.324G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.319G	2	5.690G	3	5.421G	4	5.379G
5	5.299G	6	5.483G	7	5.400G	8	5.620G
9	5.641G	10	5.459G	11	5.721G	12	5.364G
13	5.290G	14	5.426G	15	5.411G	16	5.358G
17	5.527G	18	5.516G	19	5.438G	20	5.373G
21	5.643G	22	5.420G	23	5.479G	24	5.591G
25	5.314G	26	5.357G	27	5.663G	28	5.305G
29	5.339G	30	5.362G	31	5.572G	32	5.584G
33	5.577G	34	5.383G	35	5.503G	36	5.250G
37	5.388G	38	5.389G	39	5.447G	40	5.519G
41	5.457G	42	5.397G	43	5.442G	44	5.363G
45	5.329G	46	5.490G	47	5.470G	48	5.449G
49	5.658G	50	5.558G	51	5.587G	52	5.631G
53	5.460G	54	5.549G	55	5.608G	56	5.359G
57	5.297G	58	5.581G	59	5.694G	60	5.499G
61	5.301G	62	5.702G	63	5.544G	64	5.368G
65	5.462G	66	5.485G	67	5.557G	68	5.704G
69	5.579G	70	5.473G	71	5.461G	72	5.366G
73	5.685G	74	5.444G	75	5.668G	76	5.706G
77	5.474G	78	5.433G	79	5.428G	80	5.535G
81	5.273G	82	5.419G	83	5.293G	84	5.556G
85	5.652G	86	5.295G	87	5.495G	88	5.481G
89	5.486G	90	5.361G	91	5.391G	92	5.414G
93	5.637G	94	5.284G	95	5.403G	96	5.455G
97	5.304G	98	5.333G	99	5.285G	100	5.300G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.696G	2	5.252G	3	5.504G	4	5.613G
5	5.559G	6	5.268G	7	5.692G	8	5.287G
9	5.421G	10	5.290G	11	5.618G	12	5.602G
13	5.626G	14	5.426G	15	5.612G	16	5.279G
17	5.699G	18	5.472G	19	5.482G	20	5.480G
21	5.449G	22	5.300G	23	5.652G	24	5.528G
25	5.690G	26	5.382G	27	5.560G	28	5.599G
29	5.677G	30	5.512G	31	5.352G	32	5.544G
33	5.519G	34	5.276G	35	5.674G	36	5.577G
37	5.427G	38	5.424G	39	5.448G	40	5.398G
41	5.633G	42	5.663G	43	5.379G	44	5.395G
45	5.719G	46	5.420G	47	5.583G	48	5.301G
49	5.376G	50	5.261G	51	5.686G	52	5.274G
53	5.672G	54	5.585G	55	5.578G	56	5.353G
57	5.311G	58	5.405G	59	5.282G	60	5.303G
61	5.546G	62	5.259G	63	5.621G	64	5.530G
65	5.671G	66	5.557G	67	5.401G	68	5.396G
69	5.306G	70	5.537G	71	5.333G	72	5.547G
73	5.416G	74	5.639G	75	5.334G	76	5.642G
77	5.601G	78	5.260G	79	5.538G	80	5.434G
81	5.318G	82	5.413G	83	5.591G	84	5.310G
85	5.630G	86	5.718G	87	5.428G	88	5.262G
89	5.433G	90	5.607G	91	5.510G	92	5.533G
93	5.324G	94	5.580G	95	5.655G	96	5.296G
97	5.375G	98	5.345G	99	5.556G	100	5.388G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.360G	2	5.718G	3	5.704G	4	5.623G
5	5.622G	6	5.405G	7	5.488G	8	5.711G
9	5.653G	10	5.289G	11	5.328G	12	5.460G
13	5.669G	14	5.427G	15	5.475G	16	5.586G
17	5.604G	18	5.483G	19	5.481G	20	5.487G
21	5.275G	22	5.392G	23	5.687G	24	5.627G
25	5.438G	26	5.588G	27	5.482G	28	5.509G
29	5.423G	30	5.589G	31	5.441G	32	5.646G
33	5.319G	34	5.502G	35	5.254G	36	5.350G
37	5.692G	38	5.550G	39	5.651G	40	5.512G
41	5.576G	42	5.288G	43	5.596G	44	5.302G
45	5.478G	46	5.318G	47	5.485G	48	5.480G
49	5.553G	50	5.466G	51	5.386G	52	5.584G
53	5.555G	54	5.560G	55	5.457G	56	5.303G
57	5.344G	58	5.251G	59	5.667G	60	5.253G
61	5.566G	62	5.366G	63	5.437G	64	5.684G
65	5.570G	66	5.337G	67	5.644G	68	5.301G
69	5.255G	70	5.599G	71	5.456G	72	5.688G
73	5.403G	74	5.500G	75	5.523G	76	5.387G
77	5.359G	78	5.414G	79	5.422G	80	5.501G
81	5.608G	82	5.372G	83	5.474G	84	5.295G
85	5.374G	86	5.617G	87	5.590G	88	5.652G
89	5.679G	90	5.541G	91	5.326G	92	5.462G
93	5.544G	94	5.561G	95	5.702G	96	5.342G
97	5.341G	98	5.273G	99	5.505G	100	5.693G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.558G	2	5.652G	3	5.575G	4	5.277G
5	5.424G	6	5.361G	7	5.699G	8	5.445G
9	5.496G	10	5.386G	11	5.556G	12	5.509G
13	5.252G	14	5.375G	15	5.655G	16	5.604G
17	5.309G	18	5.551G	19	5.288G	20	5.443G
21	5.545G	22	5.307G	23	5.521G	24	5.623G
25	5.577G	26	5.645G	27	5.393G	28	5.488G
29	5.624G	30	5.679G	31	5.627G	32	5.385G
33	5.676G	34	5.468G	35	5.340G	36	5.710G
37	5.357G	38	5.427G	39	5.487G	40	5.522G
41	5.273G	42	5.621G	43	5.630G	44	5.253G
45	5.531G	46	5.635G	47	5.631G	48	5.626G
49	5.298G	50	5.431G	51	5.562G	52	5.550G
53	5.618G	54	5.313G	55	5.600G	56	5.593G
57	5.489G	58	5.503G	59	5.622G	60	5.301G
61	5.343G	62	5.329G	63	5.412G	64	5.702G
65	5.703G	66	5.318G	67	5.454G	68	5.515G
69	5.599G	70	5.677G	71	5.328G	72	5.438G
73	5.663G	74	5.678G	75	5.479G	76	5.251G
77	5.417G	78	5.414G	79	5.668G	80	5.416G
81	5.484G	82	5.362G	83	5.629G	84	5.568G
85	5.685G	86	5.693G	87	5.342G	88	5.697G
89	5.723G	90	5.579G	91	5.605G	92	5.609G
93	5.476G	94	5.363G	95	5.466G	96	5.534G
97	5.356G	98	5.499G	99	5.290G	100	5.293G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.439G	2	5.567G	3	5.450G	4	5.548G
5	5.394G	6	5.414G	7	5.664G	8	5.459G
9	5.279G	10	5.546G	11	5.395G	12	5.592G
13	5.308G	14	5.452G	15	5.624G	16	5.657G
17	5.558G	18	5.429G	19	5.549G	20	5.461G
21	5.552G	22	5.486G	23	5.406G	24	5.456G
25	5.496G	26	5.442G	27	5.634G	28	5.291G
29	5.672G	30	5.646G	31	5.540G	32	5.626G
33	5.348G	34	5.285G	35	5.588G	36	5.670G
37	5.704G	38	5.498G	39	5.709G	40	5.421G
41	5.407G	42	5.509G	43	5.288G	44	5.413G
45	5.547G	46	5.681G	47	5.349G	48	5.683G
49	5.306G	50	5.437G	51	5.271G	52	5.520G
53	5.412G	54	5.699G	55	5.371G	56	5.385G
57	5.490G	58	5.598G	59	5.282G	60	5.575G
61	5.351G	62	5.577G	63	5.328G	64	5.386G
65	5.607G	66	5.642G	67	5.277G	68	5.565G
69	5.323G	70	5.563G	71	5.340G	72	5.370G
73	5.436G	74	5.441G	75	5.492G	76	5.251G
77	5.521G	78	5.435G	79	5.432G	80	5.686G
81	5.601G	82	5.475G	83	5.680G	84	5.389G
85	5.361G	86	5.690G	87	5.618G	88	5.572G
89	5.538G	90	5.674G	91	5.301G	92	5.278G
93	5.446G	94	5.281G	95	5.628G	96	5.716G
97	5.410G	98	5.360G	99	5.261G	100	5.662G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.250G	2	5.465G	3	5.579G	4	5.638G
5	5.467G	6	5.618G	7	5.471G	8	5.258G
9	5.490G	10	5.613G	11	5.382G	12	5.500G
13	5.478G	14	5.654G	15	5.687G	16	5.416G
17	5.295G	18	5.631G	19	5.346G	20	5.373G
21	5.606G	22	5.544G	23	5.294G	24	5.451G
25	5.521G	26	5.523G	27	5.337G	28	5.392G
29	5.301G	30	5.340G	31	5.395G	32	5.321G
33	5.625G	34	5.527G	35	5.562G	36	5.711G
37	5.543G	38	5.472G	39	5.610G	40	5.702G
41	5.345G	42	5.429G	43	5.645G	44	5.700G
45	5.719G	46	5.393G	47	5.443G	48	5.261G
49	5.299G	50	5.480G	51	5.568G	52	5.492G
53	5.665G	54	5.616G	55	5.516G	56	5.558G
57	5.596G	58	5.607G	59	5.263G	60	5.586G
61	5.656G	62	5.379G	63	5.445G	64	5.658G
65	5.341G	66	5.715G	67	5.394G	68	5.519G
69	5.484G	70	5.270G	71	5.437G	72	5.309G
73	5.377G	74	5.714G	75	5.724G	76	5.411G
77	5.428G	78	5.406G	79	5.704G	80	5.438G
81	5.356G	82	5.469G	83	5.528G	84	5.598G
85	5.304G	86	5.289G	87	5.588G	88	5.574G
89	5.256G	90	5.673G	91	5.608G	92	5.566G
93	5.614G	94	5.305G	95	5.536G	96	5.442G
97	5.581G	98	5.488G	99	5.277G	100	5.327G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.413G	2	5.328G	3	5.480G	4	5.488G
5	5.474G	6	5.564G	7	5.337G	8	5.408G
9	5.357G	10	5.418G	11	5.279G	12	5.599G
13	5.591G	14	5.607G	15	5.347G	16	5.693G
17	5.478G	18	5.682G	19	5.704G	20	5.696G
21	5.458G	22	5.644G	23	5.443G	24	5.308G
25	5.460G	26	5.252G	27	5.261G	28	5.452G
29	5.259G	30	5.257G	31	5.464G	32	5.667G
33	5.513G	34	5.720G	35	5.690G	36	5.529G
37	5.484G	38	5.336G	39	5.519G	40	5.532G
41	5.723G	42	5.520G	43	5.346G	44	5.440G
45	5.462G	46	5.654G	47	5.711G	48	5.580G
49	5.716G	50	5.365G	51	5.334G	52	5.541G
53	5.638G	54	5.457G	55	5.315G	56	5.366G
57	5.669G	58	5.435G	59	5.565G	60	5.645G
61	5.546G	62	5.251G	63	5.662G	64	5.430G
65	5.472G	66	5.562G	67	5.405G	68	5.498G
69	5.590G	70	5.503G	71	5.381G	72	5.719G
73	5.338G	74	5.290G	75	5.689G	76	5.254G
77	5.490G	78	5.630G	79	5.451G	80	5.639G
81	5.551G	82	5.403G	83	5.650G	84	5.340G
85	5.573G	86	5.609G	87	5.595G	88	5.281G
89	5.283G	90	5.296G	91	5.525G	92	5.351G
93	5.441G	94	5.707G	95	5.453G	96	5.514G
97	5.417G	98	5.421G	99	5.674G	100	5.454G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.383G	2	5.465G	3	5.638G	4	5.299G
5	5.640G	6	5.428G	7	5.504G	8	5.305G
9	5.670G	10	5.652G	11	5.647G	12	5.293G
13	5.267G	14	5.448G	15	5.345G	16	5.623G
17	5.632G	18	5.636G	19	5.570G	20	5.692G
21	5.491G	22	5.415G	23	5.421G	24	5.270G
25	5.707G	26	5.320G	27	5.705G	28	5.666G
29	5.574G	30	5.309G	31	5.576G	32	5.307G
33	5.361G	34	5.723G	35	5.442G	36	5.564G
37	5.280G	38	5.440G	39	5.634G	40	5.683G
41	5.613G	42	5.659G	43	5.672G	44	5.637G
45	5.256G	46	5.337G	47	5.655G	48	5.629G
49	5.327G	50	5.630G	51	5.277G	52	5.453G
53	5.517G	54	5.392G	55	5.330G	56	5.541G
57	5.313G	58	5.625G	59	5.590G	60	5.405G
61	5.559G	62	5.308G	63	5.724G	64	5.374G
65	5.260G	66	5.515G	67	5.478G	68	5.620G
69	5.306G	70	5.614G	71	5.477G	72	5.402G
73	5.369G	74	5.628G	75	5.339G	76	5.310G
77	5.406G	78	5.550G	79	5.482G	80	5.688G
81	5.578G	82	5.424G	83	5.556G	84	5.680G
85	5.454G	86	5.342G	87	5.439G	88	5.398G
89	5.336G	90	5.264G	91	5.417G	92	5.458G
93	5.710G	94	5.635G	95	5.347G	96	5.419G
97	5.329G	98	5.582G	99	5.545G	100	5.525G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.453G	2	5.374G	3	5.652G	4	5.458G
5	5.635G	6	5.473G	7	5.681G	8	5.375G
9	5.291G	10	5.543G	11	5.522G	12	5.551G
13	5.528G	14	5.461G	15	5.714G	16	5.487G
17	5.509G	18	5.264G	19	5.401G	20	5.316G
21	5.298G	22	5.478G	23	5.422G	24	5.670G
25	5.488G	26	5.580G	27	5.496G	28	5.379G
29	5.643G	30	5.706G	31	5.591G	32	5.352G
33	5.462G	34	5.571G	35	5.391G	36	5.383G
37	5.480G	38	5.663G	39	5.563G	40	5.392G
41	5.331G	42	5.644G	43	5.521G	44	5.471G
45	5.430G	46	5.491G	47	5.273G	48	5.310G
49	5.365G	50	5.350G	51	5.344G	52	5.649G
53	5.286G	54	5.349G	55	5.511G	56	5.570G
57	5.437G	58	5.690G	59	5.647G	60	5.605G
61	5.713G	62	5.702G	63	5.345G	64	5.545G
65	5.600G	66	5.377G	67	5.723G	68	5.721G
69	5.669G	70	5.278G	71	5.572G	72	5.302G
73	5.433G	74	5.294G	75	5.300G	76	5.325G
77	5.624G	78	5.711G	79	5.679G	80	5.449G
81	5.513G	82	5.299G	83	5.659G	84	5.503G
85	5.255G	86	5.581G	87	5.477G	88	5.717G
89	5.636G	90	5.704G	91	5.623G	92	5.622G
93	5.648G	94	5.705G	95	5.508G	96	5.576G
97	5.665G	98	5.251G	99	5.414G	100	5.353G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.291G	2	5.259G	3	5.330G	4	5.271G
5	5.277G	6	5.653G	7	5.555G	8	5.412G
9	5.349G	10	5.435G	11	5.449G	12	5.610G
13	5.716G	14	5.289G	15	5.566G	16	5.606G
17	5.535G	18	5.664G	19	5.543G	20	5.482G
21	5.357G	22	5.499G	23	5.405G	24	5.281G
25	5.268G	26	5.581G	27	5.675G	28	5.682G
29	5.627G	30	5.430G	31	5.585G	32	5.359G
33	5.258G	34	5.312G	35	5.592G	36	5.630G
37	5.575G	38	5.508G	39	5.334G	40	5.530G
41	5.601G	42	5.570G	43	5.670G	44	5.650G
45	5.327G	46	5.364G	47	5.504G	48	5.724G
49	5.540G	50	5.629G	51	5.689G	52	5.298G
53	5.692G	54	5.276G	55	5.428G	56	5.691G
57	5.648G	58	5.571G	59	5.531G	60	5.550G
61	5.484G	62	5.672G	63	5.417G	64	5.576G
65	5.361G	66	5.608G	67	5.257G	68	5.597G
69	5.314G	70	5.647G	71	5.674G	72	5.436G
73	5.348G	74	5.468G	75	5.496G	76	5.539G
77	5.362G	78	5.324G	79	5.456G	80	5.554G
81	5.561G	82	5.720G	83	5.342G	84	5.475G
85	5.407G	86	5.713G	87	5.703G	88	5.267G
89	5.251G	90	5.680G	91	5.625G	92	5.434G
93	5.367G	94	5.709G	95	5.401G	96	5.565G
97	5.483G	98	5.556G	99	5.453G	100	5.300G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.706G	2	5.614G	3	5.352G	4	5.387G
5	5.449G	6	5.703G	7	5.675G	8	5.660G
9	5.523G	10	5.320G	11	5.355G	12	5.473G
13	5.294G	14	5.606G	15	5.538G	16	5.317G
17	5.298G	18	5.555G	19	5.349G	20	5.509G
21	5.276G	22	5.700G	23	5.635G	24	5.510G
25	5.342G	26	5.300G	27	5.589G	28	5.285G
29	5.424G	30	5.545G	31	5.419G	32	5.475G
33	5.431G	34	5.322G	35	5.521G	36	5.415G
37	5.425G	38	5.546G	39	5.329G	40	5.391G
41	5.664G	42	5.617G	43	5.450G	44	5.265G
45	5.626G	46	5.615G	47	5.688G	48	5.390G
49	5.562G	50	5.270G	51	5.502G	52	5.306G
53	5.651G	54	5.363G	55	5.288G	56	5.392G
57	5.384G	58	5.324G	59	5.469G	60	5.434G
61	5.572G	62	5.386G	63	5.267G	64	5.305G
65	5.653G	66	5.356G	67	5.283G	68	5.520G
69	5.638G	70	5.553G	71	5.448G	72	5.472G
73	5.344G	74	5.676G	75	5.624G	76	5.409G
77	5.345G	78	5.297G	79	5.260G	80	5.362G
81	5.250G	82	5.314G	83	5.618G	84	5.328G
85	5.290G	86	5.330G	87	5.400G	88	5.254G
89	5.584G	90	5.490G	91	5.554G	92	5.364G
93	5.335G	94	5.429G	95	5.359G	96	5.399G
97	5.552G	98	5.338G	99	5.525G	100	5.672G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.279G	2	5.293G	3	5.427G	4	5.492G
5	5.443G	6	5.358G	7	5.554G	8	5.710G
9	5.429G	10	5.251G	11	5.309G	12	5.597G
13	5.508G	14	5.658G	15	5.520G	16	5.544G
17	5.435G	18	5.310G	19	5.679G	20	5.724G
21	5.450G	22	5.613G	23	5.526G	24	5.657G
25	5.396G	26	5.314G	27	5.654G	28	5.659G
29	5.298G	30	5.681G	31	5.367G	32	5.566G
33	5.648G	34	5.292G	35	5.496G	36	5.641G
37	5.422G	38	5.478G	39	5.576G	40	5.631G
41	5.561G	42	5.465G	43	5.602G	44	5.374G
45	5.598G	46	5.709G	47	5.655G	48	5.540G
49	5.662G	50	5.305G	51	5.682G	52	5.442G
53	5.514G	54	5.351G	55	5.347G	56	5.603G
57	5.510G	58	5.433G	59	5.550G	60	5.262G
61	5.687G	62	5.274G	63	5.288G	64	5.372G
65	5.664G	66	5.651G	67	5.509G	68	5.625G
69	5.280G	70	5.485G	71	5.649G	72	5.381G
73	5.611G	74	5.455G	75	5.614G	76	5.371G
77	5.353G	78	5.476G	79	5.708G	80	5.331G
81	5.669G	82	5.456G	83	5.488G	84	5.549G
85	5.316G	86	5.387G	87	5.532G	88	5.672G
89	5.457G	90	5.340G	91	5.451G	92	5.707G
93	5.697G	94	5.635G	95	5.484G	96	5.460G
97	5.610G	98	5.639G	99	5.515G	100	5.395G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.444G	2	5.326G	3	5.518G	4	5.495G
5	5.671G	6	5.277G	7	5.293G	8	5.279G
9	5.548G	10	5.272G	11	5.461G	12	5.584G
13	5.659G	14	5.551G	15	5.303G	16	5.284G
17	5.490G	18	5.363G	19	5.304G	20	5.287G
21	5.664G	22	5.680G	23	5.366G	24	5.266G
25	5.324G	26	5.379G	27	5.459G	28	5.333G
29	5.475G	30	5.312G	31	5.368G	32	5.687G
33	5.647G	34	5.403G	35	5.389G	36	5.627G
37	5.356G	38	5.456G	39	5.316G	40	5.497G
41	5.438G	42	5.359G	43	5.516G	44	5.649G
45	5.550G	46	5.296G	47	5.678G	48	5.398G
49	5.684G	50	5.470G	51	5.720G	52	5.621G
53	5.423G	54	5.544G	55	5.645G	56	5.642G
57	5.455G	58	5.447G	59	5.299G	60	5.555G
61	5.380G	62	5.269G	63	5.396G	64	5.514G
65	5.630G	66	5.301G	67	5.375G	68	5.484G
69	5.412G	70	5.462G	71	5.603G	72	5.428G
73	5.679G	74	5.397G	75	5.370G	76	5.384G
77	5.526G	78	5.364G	79	5.533G	80	5.689G
81	5.622G	82	5.583G	83	5.600G	84	5.258G
85	5.602G	86	5.719G	87	5.536G	88	5.717G
89	5.525G	90	5.567G	91	5.336G	92	5.281G
93	5.521G	94	5.433G	95	5.724G	96	5.349G
97	5.718G	98	5.695G	99	5.646G	100	5.594G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.538G	2	5.382G	3	5.553G	4	5.645G
5	5.669G	6	5.534G	7	5.598G	8	5.408G
9	5.263G	10	5.565G	11	5.639G	12	5.365G
13	5.531G	14	5.685G	15	5.334G	16	5.711G
17	5.278G	18	5.412G	19	5.589G	20	5.461G
21	5.357G	22	5.672G	23	5.404G	24	5.696G
25	5.289G	26	5.638G	27	5.676G	28	5.272G
29	5.499G	30	5.678G	31	5.716G	32	5.464G
33	5.287G	34	5.601G	35	5.673G	36	5.657G
37	5.516G	38	5.291G	39	5.714G	40	5.273G
41	5.618G	42	5.307G	43	5.633G	44	5.377G
45	5.540G	46	5.429G	47	5.498G	48	5.698G
49	5.688G	50	5.266G	51	5.352G	52	5.489G
53	5.459G	54	5.416G	55	5.573G	56	5.348G
57	5.312G	58	5.326G	59	5.710G	60	5.512G
61	5.624G	62	5.635G	63	5.281G	64	5.396G
65	5.374G	66	5.564G	67	5.659G	68	5.431G
69	5.648G	70	5.437G	71	5.433G	72	5.604G
73	5.608G	74	5.453G	75	5.541G	76	5.252G
77	5.544G	78	5.680G	79	5.414G	80	5.522G
81	5.636G	82	5.373G	83	5.393G	84	5.567G
85	5.480G	86	5.413G	87	5.438G	88	5.366G
89	5.306G	90	5.376G	91	5.513G	92	5.386G
93	5.634G	94	5.497G	95	5.443G	96	5.271G
97	5.656G	98	5.495G	99	5.665G	100	5.267G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.576G	2	5.600G	3	5.606G	4	5.432G
5	5.623G	6	5.324G	7	5.446G	8	5.651G
9	5.516G	10	5.420G	11	5.348G	12	5.462G
13	5.455G	14	5.367G	15	5.267G	16	5.649G
17	5.602G	18	5.590G	19	5.251G	20	5.356G
21	5.589G	22	5.266G	23	5.664G	24	5.603G
25	5.424G	26	5.321G	27	5.391G	28	5.549G
29	5.290G	30	5.666G	31	5.274G	32	5.721G
33	5.509G	34	5.676G	35	5.275G	36	5.591G
37	5.607G	38	5.621G	39	5.443G	40	5.706G
41	5.683G	42	5.303G	43	5.349G	44	5.385G
45	5.527G	46	5.532G	47	5.318G	48	5.538G
49	5.463G	50	5.379G	51	5.626G	52	5.421G
53	5.398G	54	5.482G	55	5.360G	56	5.475G
57	5.331G	58	5.257G	59	5.425G	60	5.548G
61	5.456G	62	5.312G	63	5.388G	64	5.644G
65	5.515G	66	5.555G	67	5.404G	68	5.374G
69	5.426G	70	5.319G	71	5.519G	72	5.335G
73	5.459G	74	5.399G	75	5.609G	76	5.661G
77	5.529G	78	5.655G	79	5.722G	80	5.476G
81	5.451G	82	5.299G	83	5.528G	84	5.415G
85	5.392G	86	5.484G	87	5.380G	88	5.409G
89	5.352G	90	5.534G	91	5.504G	92	5.376G
93	5.588G	94	5.522G	95	5.438G	96	5.654G
97	5.309G	98	5.441G	99	5.550G	100	5.560G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.404G	2	5.550G	3	5.570G	4	5.456G
5	5.661G	6	5.714G	7	5.264G	8	5.376G
9	5.503G	10	5.586G	11	5.572G	12	5.255G
13	5.396G	14	5.709G	15	5.487G	16	5.681G
17	5.548G	18	5.484G	19	5.682G	20	5.663G
21	5.409G	22	5.530G	23	5.268G	24	5.305G
25	5.545G	26	5.567G	27	5.603G	28	5.594G
29	5.690G	30	5.270G	31	5.454G	32	5.565G
33	5.260G	34	5.505G	35	5.703G	36	5.495G
37	5.716G	38	5.635G	39	5.298G	40	5.589G
41	5.664G	42	5.323G	43	5.706G	44	5.639G
45	5.575G	46	5.340G	47	5.267G	48	5.359G
49	5.647G	50	5.492G	51	5.318G	52	5.608G
53	5.662G	54	5.443G	55	5.326G	56	5.685G
57	5.297G	58	5.474G	59	5.574G	60	5.458G
61	5.316G	62	5.400G	63	5.579G	64	5.447G
65	5.351G	66	5.317G	67	5.508G	68	5.646G
69	5.369G	70	5.705G	71	5.321G	72	5.341G
73	5.325G	74	5.276G	75	5.488G	76	5.358G
77	5.649G	78	5.313G	79	5.412G	80	5.637G
81	5.601G	82	5.375G	83	5.349G	84	5.700G
85	5.399G	86	5.336G	87	5.385G	88	5.460G
89	5.470G	90	5.256G	91	5.537G	92	5.597G
93	5.569G	94	5.280G	95	5.360G	96	5.541G
97	5.686G	98	5.324G	99	5.362G	100	5.500G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.456G	2	5.521G	3	5.612G	4	5.552G
5	5.723G	6	5.356G	7	5.300G	8	5.541G
9	5.427G	10	5.424G	11	5.539G	12	5.592G
13	5.287G	14	5.435G	15	5.448G	16	5.526G
17	5.645G	18	5.331G	19	5.528G	20	5.325G
21	5.254G	22	5.473G	23	5.347G	24	5.357G
25	5.443G	26	5.679G	27	5.393G	28	5.497G
29	5.438G	30	5.354G	31	5.277G	32	5.311G
33	5.599G	34	5.634G	35	5.581G	36	5.580G
37	5.638G	38	5.676G	39	5.319G	40	5.447G
41	5.349G	42	5.261G	43	5.258G	44	5.451G
45	5.299G	46	5.662G	47	5.579G	48	5.285G
49	5.660G	50	5.636G	51	5.326G	52	5.659G
53	5.280G	54	5.434G	55	5.457G	56	5.625G
57	5.591G	58	5.701G	59	5.269G	60	5.668G
61	5.315G	62	5.321G	63	5.544G	64	5.553G
65	5.677G	66	5.379G	67	5.698G	68	5.279G
69	5.406G	70	5.308G	71	5.296G	72	5.404G
73	5.690G	74	5.543G	75	5.429G	76	5.316G
77	5.683G	78	5.648G	79	5.609G	80	5.372G
81	5.423G	82	5.584G	83	5.704G	84	5.650G
85	5.604G	86	5.644G	87	5.667G	88	5.458G
89	5.714G	90	5.702G	91	5.601G	92	5.275G
93	5.260G	94	5.314G	95	5.397G	96	5.381G
97	5.640G	98	5.572G	99	5.378G	100	5.320G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.316G	2	5.443G	3	5.714G	4	5.537G
5	5.324G	6	5.721G	7	5.288G	8	5.377G
9	5.500G	10	5.604G	11	5.617G	12	5.572G
13	5.269G	14	5.644G	15	5.700G	16	5.722G
17	5.579G	18	5.384G	19	5.277G	20	5.275G
21	5.580G	22	5.577G	23	5.554G	24	5.351G
25	5.463G	26	5.605G	27	5.387G	28	5.558G
29	5.495G	30	5.591G	31	5.530G	32	5.611G
33	5.693G	34	5.583G	35	5.470G	36	5.684G
37	5.412G	38	5.355G	39	5.278G	40	5.505G
41	5.362G	42	5.479G	43	5.294G	44	5.261G
45	5.715G	46	5.705G	47	5.466G	48	5.622G
49	5.442G	50	5.646G	51	5.713G	52	5.720G
53	5.691G	54	5.306G	55	5.600G	56	5.663G
57	5.285G	58	5.588G	59	5.267G	60	5.386G
61	5.521G	62	5.462G	63	5.527G	64	5.398G
65	5.335G	66	5.296G	67	5.418G	68	5.619G
69	5.595G	70	5.543G	71	5.363G	72	5.446G
73	5.671G	74	5.532G	75	5.563G	76	5.310G
77	5.357G	78	5.353G	79	5.586G	80	5.365G
81	5.359G	82	5.531G	83	5.620G	84	5.680G
85	5.538G	86	5.439G	87	5.618G	88	5.368G
89	5.578G	90	5.668G	91	5.601G	92	5.614G
93	5.252G	94	5.628G	95	5.471G	96	5.346G
97	5.323G	98	5.724G	99	5.483G	100	5.624G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.432G	2	5.270G	3	5.326G	4	5.334G
5	5.390G	6	5.352G	7	5.561G	8	5.472G
9	5.294G	10	5.322G	11	5.477G	12	5.721G
13	5.486G	14	5.258G	15	5.717G	16	5.640G
17	5.268G	18	5.485G	19	5.532G	20	5.401G
21	5.724G	22	5.603G	23	5.641G	24	5.339G
25	5.366G	26	5.610G	27	5.658G	28	5.475G
29	5.467G	30	5.716G	31	5.680G	32	5.635G
33	5.457G	34	5.691G	35	5.487G	36	5.670G
37	5.723G	38	5.587G	39	5.592G	40	5.510G
41	5.511G	42	5.480G	43	5.410G	44	5.677G
45	5.699G	46	5.382G	47	5.356G	48	5.254G
49	5.304G	50	5.566G	51	5.546G	52	5.468G
53	5.504G	54	5.580G	55	5.622G	56	5.266G
57	5.260G	58	5.660G	59	5.369G	60	5.448G
61	5.531G	62	5.600G	63	5.720G	64	5.358G
65	5.656G	66	5.568G	67	5.591G	68	5.668G
69	5.372G	70	5.389G	71	5.696G	72	5.690G
73	5.375G	74	5.710G	75	5.288G	76	5.526G
77	5.683G	78	5.509G	79	5.505G	80	5.395G
81	5.402G	82	5.360G	83	5.719G	84	5.491G
85	5.284G	86	5.551G	87	5.256G	88	5.452G
89	5.343G	90	5.606G	91	5.604G	92	5.305G
93	5.712G	94	5.608G	95	5.689G	96	5.312G
97	5.302G	98	5.575G	99	5.280G	100	5.557G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.632G	2	5.403G	3	5.528G	4	5.438G
5	5.598G	6	5.404G	7	5.586G	8	5.399G
9	5.440G	10	5.338G	11	5.645G	12	5.592G
13	5.617G	14	5.667G	15	5.520G	16	5.612G
17	5.615G	18	5.466G	19	5.286G	20	5.639G
21	5.496G	22	5.379G	23	5.641G	24	5.699G
25	5.583G	26	5.544G	27	5.397G	28	5.454G
29	5.678G	30	5.562G	31	5.318G	32	5.584G
33	5.521G	34	5.604G	35	5.467G	36	5.324G
37	5.670G	38	5.717G	39	5.648G	40	5.654G
41	5.287G	42	5.647G	43	5.540G	44	5.363G
45	5.480G	46	5.723G	47	5.646G	48	5.302G
49	5.566G	50	5.551G	51	5.460G	52	5.652G
53	5.656G	54	5.511G	55	5.292G	56	5.631G
57	5.370G	58	5.706G	59	5.268G	60	5.577G
61	5.603G	62	5.657G	63	5.395G	64	5.314G
65	5.533G	66	5.345G	67	5.524G	68	5.611G
69	5.620G	70	5.715G	71	5.687G	72	5.331G
73	5.284G	74	5.489G	75	5.365G	76	5.633G
77	5.437G	78	5.588G	79	5.587G	80	5.273G
81	5.491G	82	5.651G	83	5.638G	84	5.472G
85	5.461G	86	5.336G	87	5.339G	88	5.658G
89	5.255G	90	5.499G	91	5.398G	92	5.484G
93	5.602G	94	5.694G	95	5.628G	96	5.465G
97	5.319G	98	5.485G	99	5.262G	100	5.630G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.424G	2	5.393G	3	5.508G	4	5.512G
5	5.539G	6	5.561G	7	5.273G	8	5.463G
9	5.592G	10	5.327G	11	5.542G	12	5.323G
13	5.547G	14	5.408G	15	5.438G	16	5.471G
17	5.718G	18	5.457G	19	5.535G	20	5.656G
21	5.299G	22	5.620G	23	5.338G	24	5.652G
25	5.329G	26	5.659G	27	5.648G	28	5.499G
29	5.540G	30	5.288G	31	5.257G	32	5.615G
33	5.588G	34	5.262G	35	5.702G	36	5.346G
37	5.258G	38	5.487G	39	5.525G	40	5.488G
41	5.407G	42	5.697G	43	5.297G	44	5.425G
45	5.574G	46	5.647G	47	5.483G	48	5.630G
49	5.612G	50	5.368G	51	5.521G	52	5.644G
53	5.470G	54	5.570G	55	5.428G	56	5.315G
57	5.607G	58	5.590G	59	5.578G	60	5.412G
61	5.640G	62	5.396G	63	5.575G	64	5.627G
65	5.347G	66	5.684G	67	5.331G	68	5.362G
69	5.360G	70	5.261G	71	5.474G	72	5.604G
73	5.553G	74	5.354G	75	5.291G	76	5.554G
77	5.381G	78	5.572G	79	5.350G	80	5.277G
81	5.724G	82	5.593G	83	5.478G	84	5.330G
85	5.341G	86	5.293G	87	5.367G	88	5.502G
89	5.523G	90	5.491G	91	5.384G	92	5.682G
93	5.326G	94	5.371G	95	5.409G	96	5.443G
97	5.374G	98	5.591G	99	5.642G	100	5.373G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.281G	2	5.571G	3	5.447G	4	5.274G
5	5.273G	6	5.300G	7	5.269G	8	5.490G
9	5.491G	10	5.435G	11	5.366G	12	5.251G
13	5.673G	14	5.568G	15	5.252G	16	5.323G
17	5.674G	18	5.256G	19	5.675G	20	5.374G
21	5.505G	22	5.550G	23	5.538G	24	5.369G
25	5.267G	26	5.352G	27	5.527G	28	5.704G
29	5.343G	30	5.314G	31	5.572G	32	5.693G
33	5.614G	34	5.462G	35	5.464G	36	5.518G
37	5.344G	38	5.406G	39	5.422G	40	5.440G
41	5.257G	42	5.372G	43	5.592G	44	5.700G
45	5.655G	46	5.564G	47	5.411G	48	5.253G
49	5.265G	50	5.537G	51	5.515G	52	5.261G
53	5.455G	54	5.516G	55	5.514G	56	5.318G
57	5.649G	58	5.629G	59	5.466G	60	5.293G
61	5.307G	62	5.345G	63	5.612G	64	5.392G
65	5.492G	66	5.613G	67	5.325G	68	5.280G
69	5.628G	70	5.375G	71	5.616G	72	5.291G
73	5.536G	74	5.463G	75	5.595G	76	5.540G
77	5.701G	78	5.477G	79	5.597G	80	5.611G
81	5.510G	82	5.682G	83	5.433G	84	5.625G
85	5.336G	86	5.593G	87	5.316G	88	5.355G
89	5.622G	90	5.373G	91	5.259G	92	5.588G
93	5.420G	94	5.396G	95	5.469G	96	5.270G
97	5.319G	98	5.429G	99	5.565G	100	5.449G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.605G	2	5.519G	3	5.405G	4	5.516G
5	5.445G	6	5.488G	7	5.340G	8	5.342G
9	5.681G	10	5.495G	11	5.288G	12	5.619G
13	5.442G	14	5.577G	15	5.330G	16	5.423G
17	5.299G	18	5.722G	19	5.377G	20	5.312G
21	5.358G	22	5.562G	23	5.695G	24	5.671G
25	5.327G	26	5.467G	27	5.427G	28	5.399G
29	5.257G	30	5.527G	31	5.561G	32	5.441G
33	5.693G	34	5.623G	35	5.459G	36	5.535G
37	5.381G	38	5.558G	39	5.652G	40	5.456G
41	5.368G	42	5.706G	43	5.336G	44	5.453G
45	5.543G	46	5.687G	47	5.678G	48	5.379G
49	5.643G	50	5.637G	51	5.601G	52	5.723G
53	5.432G	54	5.401G	55	5.522G	56	5.297G
57	5.698G	58	5.648G	59	5.636G	60	5.290G
61	5.557G	62	5.591G	63	5.603G	64	5.534G
65	5.531G	66	5.608G	67	5.387G	68	5.574G
69	5.634G	70	5.682G	71	5.587G	72	5.641G
73	5.367G	74	5.613G	75	5.629G	76	5.597G
77	5.374G	78	5.272G	79	5.611G	80	5.373G
81	5.394G	82	5.436G	83	5.466G	84	5.499G
85	5.407G	86	5.489G	87	5.267G	88	5.270G
89	5.402G	90	5.626G	91	5.271G	92	5.320G
93	5.657G	94	5.653G	95	5.646G	96	5.478G
97	5.644G	98	5.655G	99	5.480G	100	5.428G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.292G	2	5.630G	3	5.365G	4	5.385G
5	5.721G	6	5.604G	7	5.548G	8	5.571G
9	5.713G	10	5.383G	11	5.617G	12	5.260G
13	5.652G	14	5.367G	15	5.650G	16	5.301G
17	5.456G	18	5.485G	19	5.677G	20	5.423G
21	5.681G	22	5.581G	23	5.369G	24	5.463G
25	5.280G	26	5.510G	27	5.500G	28	5.513G
29	5.473G	30	5.708G	31	5.664G	32	5.603G
33	5.438G	34	5.395G	35	5.382G	36	5.633G
37	5.357G	38	5.403G	39	5.412G	40	5.480G
41	5.304G	42	5.536G	43	5.370G	44	5.314G
45	5.597G	46	5.602G	47	5.258G	48	5.502G
49	5.302G	50	5.433G	51	5.432G	52	5.566G
53	5.354G	54	5.335G	55	5.705G	56	5.358G
57	5.327G	58	5.592G	59	5.645G	60	5.528G
61	5.682G	62	5.465G	63	5.714G	64	5.417G
65	5.267G	66	5.724G	67	5.600G	68	5.551G
69	5.606G	70	5.666G	71	5.591G	72	5.560G
73	5.251G	74	5.475G	75	5.508G	76	5.520G
77	5.466G	78	5.306G	79	5.340G	80	5.555G
81	5.296G	82	5.515G	83	5.443G	84	5.399G
85	5.720G	86	5.308G	87	5.284G	88	5.568G
89	5.427G	90	5.590G	91	5.447G	92	5.543G
93	5.687G	94	5.422G	95	5.647G	96	5.660G
97	5.680G	98	5.584G	99	5.376G	100	5.434G

IEEE 802.11N 40MHz

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.425G	2	5.404G	3	5.502G	4	5.372G
5	5.285G	6	5.713G	7	5.432G	8	5.615G
9	5.409G	10	5.344G	11	5.633G	12	5.641G
13	5.620G	14	5.662G	15	5.684G	16	5.546G
17	5.509G	18	5.259G	19	5.722G	20	5.345G
21	5.255G	22	5.339G	23	5.325G	24	5.367G
25	5.495G	26	5.308G	27	5.261G	28	5.715G
29	5.272G	30	5.593G	31	5.612G	32	5.293G
33	5.688G	34	5.614G	35	5.691G	36	5.252G
37	5.438G	38	5.571G	39	5.603G	40	5.256G
41	5.343G	42	5.280G	43	5.473G	44	5.721G
45	5.611G	46	5.658G	47	5.271G	48	5.268G
49	5.375G	50	5.286G	51	5.525G	52	5.349G
53	5.419G	54	5.279G	55	5.677G	56	5.553G
57	5.530G	58	5.333G	59	5.589G	60	5.300G
61	5.317G	62	5.718G	63	5.389G	64	5.523G
65	5.332G	66	5.340G	67	5.396G	68	5.371G
69	5.534G	70	5.330G	71	5.270G	72	5.369G
73	5.353G	74	5.491G	75	5.475G	76	5.711G
77	5.576G	78	5.336G	79	5.572G	80	5.577G
81	5.623G	82	5.472G	83	5.584G	84	5.385G
85	5.264G	86	5.583G	87	5.560G	88	5.708G
89	5.322G	90	5.570G	91	5.445G	92	5.377G
93	5.480G	94	5.295G	95	5.416G	96	5.379G
97	5.420G	98	5.373G	99	5.451G	100	5.395G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.664G	2	5.610G	3	5.642G	4	5.675G
5	5.723G	6	5.416G	7	5.358G	8	5.569G
9	5.522G	10	5.558G	11	5.264G	12	5.388G
13	5.574G	14	5.490G	15	5.437G	16	5.661G
17	5.457G	18	5.284G	19	5.564G	20	5.407G
21	5.553G	22	5.667G	23	5.391G	24	5.281G
25	5.404G	26	5.405G	27	5.525G	28	5.710G
29	5.379G	30	5.387G	31	5.605G	32	5.683G
33	5.322G	34	5.691G	35	5.277G	36	5.625G
37	5.646G	38	5.271G	39	5.511G	40	5.252G
41	5.614G	42	5.561G	43	5.536G	44	5.592G
45	5.638G	46	5.627G	47	5.433G	48	5.392G
49	5.279G	50	5.342G	51	5.411G	52	5.617G
53	5.584G	54	5.606G	55	5.630G	56	5.434G
57	5.305G	58	5.422G	59	5.515G	60	5.261G
61	5.505G	62	5.409G	63	5.586G	64	5.294G
65	5.467G	66	5.366G	67	5.599G	68	5.333G
69	5.590G	70	5.413G	71	5.628G	72	5.652G
73	5.368G	74	5.348G	75	5.420G	76	5.718G
77	5.418G	78	5.724G	79	5.707G	80	5.448G
81	5.681G	82	5.270G	83	5.375G	84	5.551G
85	5.367G	86	5.516G	87	5.682G	88	5.291G
89	5.486G	90	5.722G	91	5.596G	92	5.720G
93	5.380G	94	5.635G	95	5.496G	96	5.658G
97	5.361G	98	5.301G	99	5.427G	100	5.311G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.615G	2	5.327G	3	5.398G	4	5.709G
5	5.645G	6	5.415G	7	5.509G	8	5.638G
9	5.475G	10	5.641G	11	5.565G	12	5.282G
13	5.702G	14	5.600G	15	5.721G	16	5.545G
17	5.604G	18	5.563G	19	5.667G	20	5.717G
21	5.656G	22	5.677G	23	5.687G	24	5.518G
25	5.557G	26	5.548G	27	5.376G	28	5.274G
29	5.256G	30	5.520G	31	5.460G	32	5.585G
33	5.425G	34	5.536G	35	5.306G	36	5.504G
37	5.431G	38	5.668G	39	5.547G	40	5.262G
41	5.508G	42	5.587G	43	5.349G	44	5.553G
45	5.693G	46	5.381G	47	5.316G	48	5.676G
49	5.402G	50	5.404G	51	5.428G	52	5.467G
53	5.490G	54	5.270G	55	5.603G	56	5.354G
57	5.386G	58	5.476G	59	5.347G	60	5.287G
61	5.559G	62	5.370G	63	5.623G	64	5.482G
65	5.700G	66	5.366G	67	5.322G	68	5.420G
69	5.554G	70	5.618G	71	5.496G	72	5.433G
73	5.343G	74	5.572G	75	5.473G	76	5.375G
77	5.450G	78	5.629G	79	5.357G	80	5.440G
81	5.660G	82	5.390G	83	5.724G	84	5.335G
85	5.397G	86	5.429G	87	5.471G	88	5.303G
89	5.631G	90	5.692G	91	5.318G	92	5.414G
93	5.407G	94	5.605G	95	5.680G	96	5.671G
97	5.448G	98	5.445G	99	5.373G	100	5.690G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.581G	2	5.312G	3	5.695G	4	5.591G
5	5.433G	6	5.528G	7	5.366G	8	5.684G
9	5.307G	10	5.403G	11	5.540G	12	5.636G
13	5.286G	14	5.458G	15	5.266G	16	5.432G
17	5.252G	18	5.251G	19	5.347G	20	5.677G
21	5.639G	22	5.284G	23	5.350G	24	5.388G
25	5.368G	26	5.642G	27	5.273G	28	5.537G
29	5.262G	30	5.568G	31	5.689G	32	5.648G
33	5.255G	34	5.487G	35	5.569G	36	5.425G
37	5.623G	38	5.619G	39	5.574G	40	5.558G
41	5.566G	42	5.404G	43	5.612G	44	5.551G
45	5.512G	46	5.352G	47	5.641G	48	5.463G
49	5.501G	50	5.392G	51	5.649G	52	5.440G
53	5.524G	54	5.505G	55	5.595G	56	5.530G
57	5.609G	58	5.720G	59	5.332G	60	5.704G
61	5.588G	62	5.391G	63	5.315G	64	5.554G
65	5.338G	66	5.437G	67	5.293G	68	5.269G
69	5.295G	70	5.658G	71	5.343G	72	5.395G
73	5.322G	74	5.334G	75	5.324G	76	5.484G
77	5.296G	78	5.371G	79	5.414G	80	5.473G
81	5.696G	82	5.560G	83	5.358G	84	5.693G
85	5.561G	86	5.578G	87	5.667G	88	5.590G
89	5.302G	90	5.378G	91	5.453G	92	5.698G
93	5.647G	94	5.564G	95	5.545G	96	5.507G
97	5.482G	98	5.436G	99	5.701G	100	5.417G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.357G	2	5.625G	3	5.686G	4	5.611G
5	5.296G	6	5.636G	7	5.380G	8	5.555G
9	5.702G	10	5.547G	11	5.413G	12	5.342G
13	5.457G	14	5.529G	15	5.386G	16	5.649G
17	5.259G	18	5.285G	19	5.468G	20	5.607G
21	5.332G	22	5.263G	23	5.445G	24	5.661G
25	5.503G	26	5.580G	27	5.700G	28	5.505G
29	5.451G	30	5.605G	31	5.601G	32	5.513G
33	5.506G	34	5.315G	35	5.698G	36	5.282G
37	5.309G	38	5.419G	39	5.584G	40	5.352G
41	5.528G	42	5.707G	43	5.318G	44	5.374G
45	5.660G	46	5.359G	47	5.317G	48	5.392G
49	5.265G	50	5.664G	51	5.716G	52	5.657G
53	5.325G	54	5.387G	55	5.319G	56	5.683G
57	5.278G	58	5.570G	59	5.257G	60	5.401G
61	5.499G	62	5.294G	63	5.314G	64	5.288G
65	5.587G	66	5.453G	67	5.424G	68	5.449G
69	5.435G	70	5.564G	71	5.279G	72	5.667G
73	5.377G	74	5.452G	75	5.565G	76	5.471G
77	5.268G	78	5.251G	79	5.440G	80	5.253G
81	5.583G	82	5.346G	83	5.350G	84	5.308G
85	5.312G	86	5.674G	87	5.663G	88	5.262G
89	5.693G	90	5.599G	91	5.341G	92	5.645G
93	5.299G	94	5.632G	95	5.539G	96	5.298G
97	5.603G	98	5.705G	99	5.417G	100	5.276G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.654G	2	5.374G	3	5.386G	4	5.524G
5	5.390G	6	5.636G	7	5.306G	8	5.280G
9	5.307G	10	5.510G	11	5.659G	12	5.666G
13	5.371G	14	5.348G	15	5.448G	16	5.599G
17	5.382G	18	5.488G	19	5.310G	20	5.323G
21	5.631G	22	5.668G	23	5.286G	24	5.397G
25	5.406G	26	5.284G	27	5.289G	28	5.396G
29	5.299G	30	5.598G	31	5.492G	32	5.557G
33	5.547G	34	5.588G	35	5.457G	36	5.507G
37	5.613G	38	5.445G	39	5.393G	40	5.626G
41	5.682G	42	5.361G	43	5.403G	44	5.564G
45	5.705G	46	5.680G	47	5.657G	48	5.252G
49	5.484G	50	5.539G	51	5.437G	52	5.274G
53	5.298G	54	5.410G	55	5.531G	56	5.319G
57	5.355G	58	5.328G	59	5.372G	60	5.678G
61	5.268G	62	5.675G	63	5.398G	64	5.271G
65	5.692G	66	5.339G	67	5.441G	68	5.277G
69	5.368G	70	5.438G	71	5.285G	72	5.491G
73	5.380G	74	5.383G	75	5.442G	76	5.695G
77	5.376G	78	5.389G	79	5.387G	80	5.401G
81	5.353G	82	5.259G	83	5.553G	84	5.525G
85	5.256G	86	5.655G	87	5.661G	88	5.315G
89	5.294G	90	5.514G	91	5.544G	92	5.499G
93	5.711G	94	5.416G	95	5.593G	96	5.699G
97	5.350G	98	5.392G	99	5.556G	100	5.709G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.454G	2	5.717G	3	5.656G	4	5.707G
5	5.306G	6	5.560G	7	5.479G	8	5.339G
9	5.613G	10	5.480G	11	5.486G	12	5.352G
13	5.499G	14	5.699G	15	5.721G	16	5.635G
17	5.440G	18	5.518G	19	5.624G	20	5.650G
21	5.648G	22	5.317G	23	5.541G	24	5.589G
25	5.419G	26	5.385G	27	5.539G	28	5.672G
29	5.687G	30	5.407G	31	5.373G	32	5.614G
33	5.558G	34	5.262G	35	5.473G	36	5.501G
37	5.295G	38	5.657G	39	5.362G	40	5.723G
41	5.592G	42	5.704G	43	5.673G	44	5.263G
45	5.374G	46	5.711G	47	5.658G	48	5.531G
49	5.496G	50	5.336G	51	5.664G	52	5.599G
53	5.605G	54	5.333G	55	5.402G	56	5.689G
57	5.337G	58	5.394G	59	5.556G	60	5.483G
61	5.638G	62	5.289G	63	5.682G	64	5.315G
65	5.415G	66	5.338G	67	5.578G	68	5.679G
69	5.516G	70	5.617G	71	5.409G	72	5.271G
73	5.571G	74	5.397G	75	5.584G	76	5.513G
77	5.459G	78	5.363G	79	5.364G	80	5.466G
81	5.452G	82	5.330G	83	5.342G	84	5.292G
85	5.445G	86	5.266G	87	5.600G	88	5.500G
89	5.505G	90	5.278G	91	5.722G	92	5.349G
93	5.557G	94	5.424G	95	5.695G	96	5.620G
97	5.427G	98	5.677G	99	5.412G	100	5.691G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.409G	2	5.672G	3	5.354G	4	5.420G
5	5.262G	6	5.482G	7	5.579G	8	5.613G
9	5.377G	10	5.252G	11	5.466G	12	5.636G
13	5.376G	14	5.639G	15	5.719G	16	5.448G
17	5.598G	18	5.669G	19	5.373G	20	5.570G
21	5.488G	22	5.714G	23	5.706G	24	5.254G
25	5.596G	26	5.655G	27	5.476G	28	5.500G
29	5.599G	30	5.491G	31	5.327G	32	5.274G
33	5.267G	34	5.381G	35	5.621G	36	5.645G
37	5.623G	38	5.382G	39	5.564G	40	5.692G
41	5.534G	42	5.610G	43	5.487G	44	5.561G
45	5.331G	46	5.264G	47	5.608G	48	5.298G
49	5.426G	50	5.577G	51	5.513G	52	5.434G
53	5.542G	54	5.414G	55	5.350G	56	5.624G
57	5.445G	58	5.356G	59	5.427G	60	5.516G
61	5.250G	62	5.713G	63	5.567G	64	5.268G
65	5.673G	66	5.325G	67	5.453G	68	5.603G
69	5.665G	70	5.524G	71	5.261G	72	5.703G
73	5.571G	74	5.523G	75	5.681G	76	5.489G
77	5.470G	78	5.463G	79	5.368G	80	5.366G
81	5.696G	82	5.485G	83	5.605G	84	5.270G
85	5.712G	86	5.429G	87	5.418G	88	5.626G
89	5.362G	90	5.402G	91	5.369G	92	5.351G
93	5.389G	94	5.483G	95	5.609G	96	5.662G
97	5.395G	98	5.299G	99	5.326G	100	5.578G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.265G	2	5.496G	3	5.349G	4	5.266G
5	5.389G	6	5.623G	7	5.644G	8	5.296G
9	5.651G	10	5.663G	11	5.542G	12	5.629G
13	5.398G	14	5.258G	15	5.584G	16	5.275G
17	5.312G	18	5.566G	19	5.535G	20	5.588G
21	5.602G	22	5.446G	23	5.464G	24	5.639G
25	5.412G	26	5.701G	27	5.291G	28	5.529G
29	5.325G	30	5.691G	31	5.489G	32	5.567G
33	5.441G	34	5.334G	35	5.486G	36	5.561G
37	5.348G	38	5.381G	39	5.512G	40	5.583G
41	5.504G	42	5.467G	43	5.624G	44	5.656G
45	5.552G	46	5.533G	47	5.462G	48	5.550G
49	5.333G	50	5.451G	51	5.280G	52	5.267G
53	5.578G	54	5.593G	55	5.347G	56	5.310G
57	5.565G	58	5.260G	59	5.366G	60	5.439G
61	5.475G	62	5.393G	63	5.383G	64	5.419G
65	5.445G	66	5.327G	67	5.315G	68	5.473G
69	5.619G	70	5.674G	71	5.324G	72	5.541G
73	5.287G	74	5.582G	75	5.573G	76	5.457G
77	5.329G	78	5.401G	79	5.645G	80	5.378G
81	5.724G	82	5.332G	83	5.424G	84	5.599G
85	5.274G	86	5.339G	87	5.562G	88	5.548G
89	5.604G	90	5.392G	91	5.268G	92	5.607G
93	5.336G	94	5.388G	95	5.479G	96	5.284G
97	5.251G	98	5.611G	99	5.359G	100	5.298G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.389G	2	5.403G	3	5.371G	4	5.627G
5	5.516G	6	5.333G	7	5.656G	8	5.328G
9	5.566G	10	5.445G	11	5.710G	12	5.649G
13	5.282G	14	5.406G	15	5.514G	16	5.641G
17	5.352G	18	5.451G	19	5.471G	20	5.605G
21	5.708G	22	5.354G	23	5.647G	24	5.682G
25	5.292G	26	5.304G	27	5.388G	28	5.537G
29	5.466G	30	5.648G	31	5.334G	32	5.715G
33	5.562G	34	5.521G	35	5.539G	36	5.446G
37	5.264G	38	5.402G	39	5.613G	40	5.548G
41	5.441G	42	5.675G	43	5.488G	44	5.270G
45	5.447G	46	5.290G	47	5.413G	48	5.269G
49	5.434G	50	5.593G	51	5.377G	52	5.372G
53	5.267G	54	5.588G	55	5.533G	56	5.481G
57	5.405G	58	5.321G	59	5.563G	60	5.513G
61	5.401G	62	5.706G	63	5.620G	64	5.365G
65	5.584G	66	5.554G	67	5.263G	68	5.602G
69	5.258G	70	5.427G	71	5.378G	72	5.591G
73	5.503G	74	5.457G	75	5.532G	76	5.689G
77	5.455G	78	5.431G	79	5.653G	80	5.582G
81	5.289G	82	5.341G	83	5.529G	84	5.404G
85	5.357G	86	5.486G	87	5.266G	88	5.437G
89	5.673G	90	5.391G	91	5.712G	92	5.652G
93	5.424G	94	5.534G	95	5.559G	96	5.510G
97	5.520G	98	5.662G	99	5.416G	100	5.663G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.286G	2	5.523G	3	5.596G	4	5.602G
5	5.262G	6	5.550G	7	5.719G	8	5.548G
9	5.462G	10	5.681G	11	5.407G	12	5.259G
13	5.561G	14	5.428G	15	5.569G	16	5.491G
17	5.349G	18	5.476G	19	5.503G	20	5.570G
21	5.449G	22	5.483G	23	5.648G	24	5.392G
25	5.528G	26	5.410G	27	5.628G	28	5.551G
29	5.278G	30	5.250G	31	5.582G	32	5.521G
33	5.666G	34	5.592G	35	5.487G	36	5.554G
37	5.496G	38	5.506G	39	5.501G	40	5.640G
41	5.384G	42	5.626G	43	5.663G	44	5.319G
45	5.510G	46	5.568G	47	5.312G	48	5.376G
49	5.632G	50	5.467G	51	5.445G	52	5.559G
53	5.637G	54	5.433G	55	5.674G	56	5.691G
57	5.265G	58	5.645G	59	5.560G	60	5.639G
61	5.454G	62	5.601G	63	5.664G	64	5.429G
65	5.599G	66	5.402G	67	5.519G	68	5.610G
69	5.298G	70	5.668G	71	5.615G	72	5.507G
73	5.367G	74	5.409G	75	5.427G	76	5.360G
77	5.679G	78	5.251G	79	5.713G	80	5.683G
81	5.688G	82	5.539G	83	5.597G	84	5.466G
85	5.694G	86	5.608G	87	5.609G	88	5.283G
89	5.488G	90	5.420G	91	5.697G	92	5.591G
93	5.478G	94	5.660G	95	5.482G	96	5.627G
97	5.281G	98	5.605G	99	5.323G	100	5.498G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.434G	2	5.673G	3	5.349G	4	5.323G
5	5.390G	6	5.404G	7	5.645G	8	5.538G
9	5.375G	10	5.530G	11	5.341G	12	5.339G
13	5.668G	14	5.621G	15	5.651G	16	5.568G
17	5.707G	18	5.617G	19	5.402G	20	5.365G
21	5.354G	22	5.271G	23	5.489G	24	5.722G
25	5.352G	26	5.359G	27	5.611G	28	5.516G
29	5.279G	30	5.582G	31	5.464G	32	5.682G
33	5.300G	34	5.525G	35	5.442G	36	5.421G
37	5.332G	38	5.717G	39	5.567G	40	5.416G
41	5.547G	42	5.650G	43	5.499G	44	5.498G
45	5.630G	46	5.523G	47	5.383G	48	5.664G
49	5.371G	50	5.576G	51	5.542G	52	5.294G
53	5.358G	54	5.636G	55	5.561G	56	5.643G
57	5.577G	58	5.379G	59	5.648G	60	5.607G
61	5.385G	62	5.373G	63	5.382G	64	5.456G
65	5.564G	66	5.266G	67	5.631G	68	5.485G
69	5.260G	70	5.502G	71	5.295G	72	5.626G
73	5.413G	74	5.511G	75	5.253G	76	5.544G
77	5.616G	78	5.550G	79	5.409G	80	5.448G
81	5.619G	82	5.252G	83	5.449G	84	5.331G
85	5.713G	86	5.584G	87	5.692G	88	5.333G
89	5.482G	90	5.427G	91	5.348G	92	5.435G
93	5.400G	94	5.318G	95	5.595G	96	5.708G
97	5.394G	98	5.632G	99	5.698G	100	5.316G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.418G	2	5.593G	3	5.453G	4	5.496G
5	5.578G	6	5.264G	7	5.375G	8	5.438G
9	5.479G	10	5.291G	11	5.588G	12	5.292G
13	5.672G	14	5.627G	15	5.427G	16	5.468G
17	5.656G	18	5.556G	19	5.472G	20	5.366G
21	5.689G	22	5.720G	23	5.490G	24	5.709G
25	5.530G	26	5.433G	27	5.392G	28	5.443G
29	5.586G	30	5.666G	31	5.425G	32	5.290G
33	5.550G	34	5.439G	35	5.569G	36	5.332G
37	5.469G	38	5.605G	39	5.642G	40	5.417G
41	5.663G	42	5.623G	43	5.553G	44	5.631G
45	5.543G	46	5.481G	47	5.355G	48	5.613G
49	5.378G	50	5.701G	51	5.278G	52	5.621G
53	5.344G	54	5.611G	55	5.507G	56	5.352G
57	5.510G	58	5.390G	59	5.522G	60	5.567G
61	5.270G	62	5.566G	63	5.610G	64	5.269G
65	5.461G	66	5.413G	67	5.267G	68	5.298G
69	5.500G	70	5.474G	71	5.345G	72	5.347G
73	5.342G	74	5.724G	75	5.415G	76	5.616G
77	5.336G	78	5.503G	79	5.367G	80	5.540G
81	5.271G	82	5.359G	83	5.488G	84	5.574G
85	5.552G	86	5.349G	87	5.429G	88	5.712G
89	5.430G	90	5.563G	91	5.388G	92	5.254G
93	5.625G	94	5.428G	95	5.325G	96	5.274G
97	5.339G	98	5.401G	99	5.677G	100	5.376G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.492G	2	5.320G	3	5.417G	4	5.552G
5	5.354G	6	5.618G	7	5.605G	8	5.538G
9	5.333G	10	5.578G	11	5.541G	12	5.406G
13	5.683G	14	5.668G	15	5.559G	16	5.435G
17	5.285G	18	5.573G	19	5.310G	20	5.558G
21	5.268G	22	5.721G	23	5.639G	24	5.352G
25	5.432G	26	5.266G	27	5.422G	28	5.689G
29	5.687G	30	5.371G	31	5.604G	32	5.334G
33	5.405G	34	5.468G	35	5.389G	36	5.672G
37	5.370G	38	5.598G	39	5.657G	40	5.542G
41	5.259G	42	5.508G	43	5.566G	44	5.716G
45	5.644G	46	5.267G	47	5.451G	48	5.359G
49	5.412G	50	5.369G	51	5.633G	52	5.461G
53	5.705G	54	5.646G	55	5.545G	56	5.302G
57	5.713G	58	5.581G	59	5.273G	60	5.376G
61	5.506G	62	5.439G	63	5.414G	64	5.377G
65	5.404G	66	5.327G	67	5.626G	68	5.449G
69	5.662G	70	5.610G	71	5.686G	72	5.634G
73	5.346G	74	5.630G	75	5.653G	76	5.678G
77	5.496G	78	5.373G	79	5.329G	80	5.428G
81	5.709G	82	5.509G	83	5.599G	84	5.595G
85	5.260G	86	5.441G	87	5.696G	88	5.375G
89	5.641G	90	5.416G	91	5.400G	92	5.456G
93	5.550G	94	5.681G	95	5.625G	96	5.430G
97	5.283G	98	5.505G	99	5.700G	100	5.617G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.553G	2	5.509G	3	5.414G	4	5.314G
5	5.624G	6	5.265G	7	5.503G	8	5.361G
9	5.311G	10	5.671G	11	5.570G	12	5.625G
13	5.257G	14	5.391G	15	5.520G	16	5.573G
17	5.523G	18	5.604G	19	5.430G	20	5.298G
21	5.422G	22	5.440G	23	5.586G	24	5.465G
25	5.400G	26	5.360G	27	5.416G	28	5.628G
29	5.323G	30	5.258G	31	5.261G	32	5.448G
33	5.580G	34	5.555G	35	5.387G	36	5.500G
37	5.545G	38	5.370G	39	5.451G	40	5.275G
41	5.397G	42	5.345G	43	5.466G	44	5.565G
45	5.686G	46	5.250G	47	5.705G	48	5.259G
49	5.445G	50	5.373G	51	5.319G	52	5.716G
53	5.611G	54	5.515G	55	5.272G	56	5.623G
57	5.629G	58	5.631G	59	5.607G	60	5.296G
61	5.304G	62	5.704G	63	5.681G	64	5.329G
65	5.404G	66	5.507G	67	5.354G	68	5.640G
69	5.543G	70	5.717G	71	5.691G	72	5.560G
73	5.484G	74	5.654G	75	5.505G	76	5.439G
77	5.483G	78	5.284G	79	5.672G	80	5.290G
81	5.701G	82	5.563G	83	5.333G	84	5.658G
85	5.412G	86	5.712G	87	5.532G	88	5.636G
89	5.491G	90	5.419G	91	5.723G	92	5.581G
93	5.590G	94	5.709G	95	5.292G	96	5.614G
97	5.389G	98	5.384G	99	5.411G	100	5.548G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.333G	2	5.324G	3	5.620G	4	5.697G
5	5.343G	6	5.300G	7	5.364G	8	5.332G
9	5.685G	10	5.694G	11	5.678G	12	5.663G
13	5.379G	14	5.293G	15	5.582G	16	5.461G
17	5.329G	18	5.485G	19	5.508G	20	5.409G
21	5.662G	22	5.624G	23	5.398G	24	5.283G
25	5.382G	26	5.270G	27	5.310G	28	5.633G
29	5.495G	30	5.320G	31	5.722G	32	5.484G
33	5.552G	34	5.419G	35	5.707G	36	5.640G
37	5.456G	38	5.453G	39	5.463G	40	5.255G
41	5.312G	42	5.467G	43	5.302G	44	5.477G
45	5.558G	46	5.322G	47	5.557G	48	5.362G
49	5.488G	50	5.257G	51	5.313G	52	5.445G
53	5.290G	54	5.371G	55	5.490G	56	5.644G
57	5.474G	58	5.623G	59	5.311G	60	5.422G
61	5.252G	62	5.372G	63	5.489G	64	5.622G
65	5.269G	66	5.639G	67	5.703G	68	5.435G
69	5.393G	70	5.292G	71	5.671G	72	5.279G
73	5.665G	74	5.433G	75	5.274G	76	5.629G
77	5.400G	78	5.579G	79	5.330G	80	5.298G
81	5.306G	82	5.561G	83	5.710G	84	5.519G
85	5.615G	86	5.677G	87	5.353G	88	5.567G
89	5.504G	90	5.291G	91	5.264G	92	5.580G
93	5.483G	94	5.641G	95	5.661G	96	5.352G
97	5.384G	98	5.301G	99	5.437G	100	5.254G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.253G	2	5.610G	3	5.341G	4	5.393G
5	5.697G	6	5.693G	7	5.428G	8	5.678G
9	5.618G	10	5.532G	11	5.722G	12	5.323G
13	5.271G	14	5.261G	15	5.695G	16	5.721G
17	5.702G	18	5.516G	19	5.586G	20	5.479G
21	5.548G	22	5.592G	23	5.613G	24	5.326G
25	5.542G	26	5.675G	27	5.632G	28	5.616G
29	5.443G	30	5.522G	31	5.451G	32	5.521G
33	5.567G	34	5.564G	35	5.513G	36	5.480G
37	5.626G	38	5.421G	39	5.344G	40	5.371G
41	5.624G	42	5.572G	43	5.276G	44	5.433G
45	5.541G	46	5.596G	47	5.600G	48	5.470G
49	5.658G	50	5.375G	51	5.454G	52	5.306G
53	5.252G	54	5.553G	55	5.364G	56	5.712G
57	5.381G	58	5.303G	59	5.517G	60	5.382G
61	5.635G	62	5.634G	63	5.350G	64	5.351G
65	5.390G	66	5.464G	67	5.583G	68	5.495G
69	5.461G	70	5.723G	71	5.681G	72	5.587G
73	5.340G	74	5.329G	75	5.498G	76	5.597G
77	5.531G	78	5.619G	79	5.322G	80	5.327G
81	5.547G	82	5.703G	83	5.263G	84	5.383G
85	5.515G	86	5.315G	87	5.463G	88	5.660G
89	5.290G	90	5.412G	91	5.441G	92	5.446G
93	5.256G	94	5.570G	95	5.295G	96	5.384G
97	5.272G	98	5.457G	99	5.395G	100	5.612G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.390G	2	5.590G	3	5.609G	4	5.671G
5	5.282G	6	5.579G	7	5.378G	8	5.705G
9	5.594G	10	5.338G	11	5.360G	12	5.331G
13	5.571G	14	5.499G	15	5.509G	16	5.370G
17	5.623G	18	5.411G	19	5.297G	20	5.547G
21	5.292G	22	5.259G	23	5.597G	24	5.335G
25	5.462G	26	5.678G	27	5.456G	28	5.576G
29	5.472G	30	5.485G	31	5.379G	32	5.404G
33	5.380G	34	5.291G	35	5.392G	36	5.498G
37	5.320G	38	5.377G	39	5.642G	40	5.394G
41	5.517G	42	5.533G	43	5.264G	44	5.586G
45	5.340G	46	5.707G	47	5.608G	48	5.649G
49	5.262G	50	5.655G	51	5.543G	52	5.364G
53	5.688G	54	5.546G	55	5.556G	56	5.272G
57	5.706G	58	5.624G	59	5.573G	60	5.412G
61	5.455G	62	5.345G	63	5.724G	64	5.693G
65	5.703G	66	5.555G	67	5.549G	68	5.610G
69	5.518G	70	5.552G	71	5.701G	72	5.490G
73	5.656G	74	5.253G	75	5.622G	76	5.582G
77	5.480G	78	5.645G	79	5.568G	80	5.473G
81	5.401G	82	5.366G	83	5.596G	84	5.575G
85	5.385G	86	5.446G	87	5.719G	88	5.286G
89	5.606G	90	5.512G	91	5.621G	92	5.342G
93	5.454G	94	5.273G	95	5.428G	96	5.276G
97	5.275G	98	5.309G	99	5.578G	100	5.721G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.373G	2	5.553G	3	5.508G	4	5.516G
5	5.595G	6	5.582G	7	5.335G	8	5.303G
9	5.691G	10	5.678G	11	5.717G	12	5.629G
13	5.369G	14	5.431G	15	5.457G	16	5.350G
17	5.541G	18	5.492G	19	5.446G	20	5.686G
21	5.535G	22	5.360G	23	5.676G	24	5.697G
25	5.630G	26	5.698G	27	5.396G	28	5.309G
29	5.310G	30	5.280G	31	5.378G	32	5.475G
33	5.315G	34	5.332G	35	5.412G	36	5.344G
37	5.709G	38	5.560G	39	5.459G	40	5.622G
41	5.269G	42	5.540G	43	5.323G	44	5.596G
45	5.513G	46	5.337G	47	5.663G	48	5.477G
49	5.509G	50	5.281G	51	5.648G	52	5.362G
53	5.376G	54	5.506G	55	5.671G	56	5.514G
57	5.425G	58	5.383G	59	5.562G	60	5.450G
61	5.592G	62	5.429G	63	5.338G	64	5.483G
65	5.544G	66	5.558G	67	5.266G	68	5.534G
69	5.685G	70	5.359G	71	5.519G	72	5.442G
73	5.434G	74	5.423G	75	5.261G	76	5.361G
77	5.662G	78	5.574G	79	5.661G	80	5.603G
81	5.292G	82	5.687G	83	5.328G	84	5.606G
85	5.624G	86	5.467G	87	5.355G	88	5.416G
89	5.387G	90	5.617G	91	5.372G	92	5.484G
93	5.324G	94	5.340G	95	5.421G	96	5.684G
97	5.642G	98	5.295G	99	5.352G	100	5.418G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.365G	2	5.608G	3	5.711G	4	5.484G
5	5.621G	6	5.315G	7	5.659G	8	5.276G
9	5.459G	10	5.691G	11	5.573G	12	5.488G
13	5.572G	14	5.428G	15	5.346G	16	5.486G
17	5.362G	18	5.689G	19	5.599G	20	5.483G
21	5.701G	22	5.380G	23	5.377G	24	5.462G
25	5.466G	26	5.567G	27	5.258G	28	5.275G
29	5.577G	30	5.442G	31	5.619G	32	5.680G
33	5.350G	34	5.714G	35	5.301G	36	5.550G
37	5.325G	38	5.679G	39	5.505G	40	5.705G
41	5.308G	42	5.692G	43	5.723G	44	5.326G
45	5.513G	46	5.293G	47	5.632G	48	5.702G
49	5.385G	50	5.635G	51	5.319G	52	5.282G
53	5.263G	54	5.634G	55	5.436G	56	5.694G
57	5.622G	58	5.554G	59	5.654G	60	5.381G
61	5.454G	62	5.465G	63	5.410G	64	5.310G
65	5.277G	66	5.329G	67	5.261G	68	5.625G
69	5.583G	70	5.425G	71	5.682G	72	5.416G
73	5.720G	74	5.251G	75	5.289G	76	5.399G
77	5.604G	78	5.461G	79	5.609G	80	5.316G
81	5.472G	82	5.314G	83	5.421G	84	5.304G
85	5.297G	86	5.392G	87	5.334G	88	5.627G
89	5.401G	90	5.271G	91	5.646G	92	5.417G
93	5.650G	94	5.250G	95	5.516G	96	5.515G
97	5.397G	98	5.475G	99	5.541G	100	5.640G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.499G	2	5.393G	3	5.378G	4	5.263G
5	5.440G	6	5.322G	7	5.369G	8	5.462G
9	5.343G	10	5.496G	11	5.585G	12	5.670G
13	5.710G	14	5.596G	15	5.377G	16	5.479G
17	5.454G	18	5.699G	19	5.392G	20	5.412G
21	5.485G	22	5.413G	23	5.477G	24	5.721G
25	5.283G	26	5.594G	27	5.545G	28	5.509G
29	5.621G	30	5.561G	31	5.583G	32	5.386G
33	5.417G	34	5.572G	35	5.521G	36	5.647G
37	5.461G	38	5.588G	39	5.624G	40	5.324G
41	5.400G	42	5.262G	43	5.635G	44	5.297G
45	5.473G	46	5.453G	47	5.560G	48	5.364G
49	5.502G	50	5.294G	51	5.623G	52	5.314G
53	5.592G	54	5.564G	55	5.580G	56	5.702G
57	5.338G	58	5.606G	59	5.438G	60	5.349G
61	5.352G	62	5.370G	63	5.640G	64	5.685G
65	5.608G	66	5.472G	67	5.368G	68	5.579G
69	5.456G	70	5.652G	71	5.712G	72	5.439G
73	5.455G	74	5.523G	75	5.442G	76	5.591G
77	5.589G	78	5.554G	79	5.568G	80	5.285G
81	5.270G	82	5.332G	83	5.525G	84	5.600G
85	5.704G	86	5.291G	87	5.646G	88	5.403G
89	5.602G	90	5.484G	91	5.288G	92	5.567G
93	5.467G	94	5.281G	95	5.318G	96	5.361G
97	5.610G	98	5.406G	99	5.360G	100	5.626G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.704G	2	5.555G	3	5.621G	4	5.285G
5	5.418G	6	5.541G	7	5.332G	8	5.517G
9	5.644G	10	5.401G	11	5.587G	12	5.589G
13	5.363G	14	5.259G	15	5.610G	16	5.408G
17	5.616G	18	5.331G	19	5.717G	20	5.557G
21	5.317G	22	5.302G	23	5.371G	24	5.361G
25	5.658G	26	5.705G	27	5.614G	28	5.545G
29	5.392G	30	5.683G	31	5.344G	32	5.436G
33	5.575G	34	5.654G	35	5.530G	36	5.282G
37	5.558G	38	5.665G	39	5.347G	40	5.598G
41	5.334G	42	5.251G	43	5.712G	44	5.649G
45	5.699G	46	5.294G	47	5.311G	48	5.403G
49	5.523G	50	5.257G	51	5.356G	52	5.437G
53	5.633G	54	5.266G	55	5.477G	56	5.650G
57	5.372G	58	5.476G	59	5.612G	60	5.561G
61	5.620G	62	5.504G	63	5.429G	64	5.270G
65	5.488G	66	5.591G	67	5.420G	68	5.461G
69	5.396G	70	5.438G	71	5.596G	72	5.692G
73	5.669G	74	5.521G	75	5.528G	76	5.470G
77	5.499G	78	5.417G	79	5.318G	80	5.512G
81	5.491G	82	5.571G	83	5.519G	84	5.709G
85	5.640G	86	5.710G	87	5.432G	88	5.390G
89	5.664G	90	5.677G	91	5.635G	92	5.651G
93	5.278G	94	5.685G	95	5.696G	96	5.648G
97	5.492G	98	5.414G	99	5.538G	100	5.353G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.349G	2	5.670G	3	5.541G	4	5.394G
5	5.270G	6	5.269G	7	5.713G	8	5.374G
9	5.296G	10	5.656G	11	5.372G	12	5.715G
13	5.489G	14	5.665G	15	5.511G	16	5.707G
17	5.322G	18	5.302G	19	5.317G	20	5.612G
21	5.286G	22	5.636G	23	5.330G	24	5.662G
25	5.324G	26	5.629G	27	5.387G	28	5.679G
29	5.624G	30	5.697G	31	5.271G	32	5.466G
33	5.565G	34	5.367G	35	5.329G	36	5.473G
37	5.663G	38	5.308G	39	5.440G	40	5.647G
41	5.692G	42	5.327G	43	5.411G	44	5.356G
45	5.534G	46	5.423G	47	5.354G	48	5.622G
49	5.721G	50	5.252G	51	5.395G	52	5.431G
53	5.609G	54	5.363G	55	5.350G	56	5.556G
57	5.504G	58	5.550G	59	5.405G	60	5.722G
61	5.436G	62	5.700G	63	5.409G	64	5.417G
65	5.694G	66	5.623G	67	5.552G	68	5.413G
69	5.326G	70	5.285G	71	5.461G	72	5.607G
73	5.467G	74	5.355G	75	5.621G	76	5.616G
77	5.258G	78	5.435G	79	5.668G	80	5.475G
81	5.400G	82	5.664G	83	5.397G	84	5.640G
85	5.320G	86	5.273G	87	5.579G	88	5.712G
89	5.323G	90	5.698G	91	5.584G	92	5.657G
93	5.585G	94	5.654G	95	5.299G	96	5.672G
97	5.575G	98	5.331G	99	5.261G	100	5.264G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.676G	2	5.464G	3	5.386G	4	5.714G
5	5.591G	6	5.344G	7	5.382G	8	5.318G
9	5.352G	10	5.364G	11	5.397G	12	5.564G
13	5.531G	14	5.662G	15	5.343G	16	5.484G
17	5.717G	18	5.652G	19	5.316G	20	5.440G
21	5.634G	22	5.548G	23	5.536G	24	5.291G
25	5.670G	26	5.623G	27	5.559G	28	5.443G
29	5.470G	30	5.685G	31	5.436G	32	5.330G
33	5.388G	34	5.461G	35	5.562G	36	5.323G
37	5.542G	38	5.642G	39	5.633G	40	5.539G
41	5.677G	42	5.704G	43	5.706G	44	5.534G
45	5.571G	46	5.681G	47	5.519G	48	5.252G
49	5.392G	50	5.394G	51	5.516G	52	5.283G
53	5.525G	54	5.346G	55	5.597G	56	5.645G
57	5.267G	58	5.454G	59	5.335G	60	5.434G
61	5.268G	62	5.384G	63	5.530G	64	5.372G
65	5.614G	66	5.505G	67	5.294G	68	5.357G
69	5.687G	70	5.445G	71	5.336G	72	5.456G
73	5.621G	74	5.409G	75	5.403G	76	5.390G
77	5.488G	78	5.518G	79	5.697G	80	5.720G
81	5.287G	82	5.303G	83	5.491G	84	5.400G
85	5.266G	86	5.467G	87	5.355G	88	5.462G
89	5.413G	90	5.282G	91	5.664G	92	5.653G
93	5.472G	94	5.317G	95	5.298G	96	5.622G
97	5.309G	98	5.586G	99	5.602G	100	5.487G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.722G	2	5.332G	3	5.613G	4	5.540G
5	5.653G	6	5.423G	7	5.435G	8	5.700G
9	5.315G	10	5.505G	11	5.396G	12	5.664G
13	5.583G	14	5.458G	15	5.292G	16	5.620G
17	5.303G	18	5.642G	19	5.397G	20	5.662G
21	5.281G	22	5.516G	23	5.514G	24	5.455G
25	5.336G	26	5.705G	27	5.422G	28	5.450G
29	5.317G	30	5.389G	31	5.374G	32	5.699G
33	5.467G	34	5.477G	35	5.415G	36	5.400G
37	5.492G	38	5.424G	39	5.377G	40	5.365G
41	5.595G	42	5.363G	43	5.457G	44	5.534G
45	5.555G	46	5.368G	47	5.298G	48	5.481G
49	5.577G	50	5.503G	51	5.603G	52	5.265G
53	5.334G	54	5.308G	55	5.431G	56	5.448G
57	5.293G	58	5.444G	59	5.402G	60	5.507G
61	5.451G	62	5.358G	63	5.500G	64	5.585G
65	5.459G	66	5.383G	67	5.616G	68	5.513G
69	5.629G	70	5.658G	71	5.413G	72	5.429G
73	5.618G	74	5.312G	75	5.667G	76	5.342G
77	5.537G	78	5.280G	79	5.270G	80	5.661G
81	5.689G	82	5.346G	83	5.615G	84	5.335G
85	5.515G	86	5.427G	87	5.715G	88	5.524G
89	5.272G	90	5.673G	91	5.539G	92	5.474G
93	5.574G	94	5.707G	95	5.271G	96	5.691G
97	5.621G	98	5.580G	99	5.405G	100	5.428G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.274G	2	5.601G	3	5.503G	4	5.646G
5	5.428G	6	5.572G	7	5.612G	8	5.277G
9	5.281G	10	5.452G	11	5.724G	12	5.310G
13	5.635G	14	5.582G	15	5.426G	16	5.666G
17	5.472G	18	5.276G	19	5.470G	20	5.683G
21	5.409G	22	5.536G	23	5.598G	24	5.693G
25	5.585G	26	5.446G	27	5.387G	28	5.293G
29	5.667G	30	5.519G	31	5.315G	32	5.302G
33	5.555G	34	5.534G	35	5.685G	36	5.489G
37	5.522G	38	5.631G	39	5.444G	40	5.583G
41	5.429G	42	5.386G	43	5.394G	44	5.437G
45	5.599G	46	5.267G	47	5.376G	48	5.439G
49	5.645G	50	5.477G	51	5.306G	52	5.280G
53	5.351G	54	5.430G	55	5.265G	56	5.548G
57	5.486G	58	5.345G	59	5.298G	60	5.447G
61	5.356G	62	5.596G	63	5.513G	64	5.383G
65	5.373G	66	5.658G	67	5.377G	68	5.568G
69	5.590G	70	5.544G	71	5.532G	72	5.258G
73	5.691G	74	5.350G	75	5.343G	76	5.634G
77	5.542G	78	5.600G	79	5.569G	80	5.381G
81	5.392G	82	5.584G	83	5.425G	84	5.597G
85	5.610G	86	5.700G	87	5.453G	88	5.694G
89	5.488G	90	5.674G	91	5.595G	92	5.250G
93	5.537G	94	5.266G	95	5.517G	96	5.419G
97	5.254G	98	5.460G	99	5.613G	100	5.256G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.427G	2	5.430G	3	5.266G	4	5.349G
5	5.524G	6	5.496G	7	5.653G	8	5.406G
9	5.658G	10	5.438G	11	5.581G	12	5.578G
13	5.677G	14	5.338G	15	5.434G	16	5.562G
17	5.330G	18	5.681G	19	5.420G	20	5.383G
21	5.374G	22	5.650G	23	5.692G	24	5.706G
25	5.355G	26	5.631G	27	5.584G	28	5.656G
29	5.508G	30	5.674G	31	5.554G	32	5.448G
33	5.480G	34	5.714G	35	5.295G	36	5.662G
37	5.307G	38	5.626G	39	5.561G	40	5.318G
41	5.380G	42	5.273G	43	5.535G	44	5.602G
45	5.314G	46	5.696G	47	5.308G	48	5.635G
49	5.501G	50	5.473G	51	5.607G	52	5.519G
53	5.671G	54	5.549G	55	5.345G	56	5.401G
57	5.565G	58	5.689G	59	5.566G	60	5.286G
61	5.305G	62	5.348G	63	5.250G	64	5.309G
65	5.411G	66	5.645G	67	5.499G	68	5.357G
69	5.553G	70	5.505G	71	5.378G	72	5.371G
73	5.481G	74	5.697G	75	5.275G	76	5.593G
77	5.325G	78	5.664G	79	5.264G	80	5.268G
81	5.265G	82	5.370G	83	5.469G	84	5.716G
85	5.277G	86	5.504G	87	5.590G	88	5.682G
89	5.646G	90	5.267G	91	5.676G	92	5.577G
93	5.514G	94	5.615G	95	5.478G	96	5.459G
97	5.586G	98	5.361G	99	5.431G	100	5.641G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.350G	2	5.280G	3	5.538G	4	5.706G
5	5.353G	6	5.410G	7	5.528G	8	5.256G
9	5.608G	10	5.334G	11	5.700G	12	5.687G
13	5.345G	14	5.385G	15	5.402G	16	5.428G
17	5.447G	18	5.429G	19	5.258G	20	5.620G
21	5.354G	22	5.312G	23	5.407G	24	5.627G
25	5.264G	26	5.253G	27	5.502G	28	5.461G
29	5.708G	30	5.391G	31	5.271G	32	5.282G
33	5.605G	34	5.629G	35	5.390G	36	5.692G
37	5.525G	38	5.357G	39	5.498G	40	5.380G
41	5.269G	42	5.392G	43	5.476G	44	5.654G
45	5.492G	46	5.524G	47	5.274G	48	5.718G
49	5.664G	50	5.606G	51	5.688G	52	5.642G
53	5.586G	54	5.516G	55	5.641G	56	5.666G
57	5.652G	58	5.465G	59	5.623G	60	5.645G
61	5.442G	62	5.649G	63	5.546G	64	5.531G
65	5.628G	66	5.684G	67	5.618G	68	5.471G
69	5.455G	70	5.549G	71	5.260G	72	5.449G
73	5.306G	74	5.378G	75	5.340G	76	5.444G
77	5.560G	78	5.600G	79	5.314G	80	5.451G
81	5.405G	82	5.437G	83	5.415G	84	5.632G
85	5.709G	86	5.610G	87	5.691G	88	5.382G
89	5.633G	90	5.588G	91	5.544G	92	5.319G
93	5.459G	94	5.286G	95	5.694G	96	5.386G
97	5.539G	98	5.424G	99	5.568G	100	5.346G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.621G	2	5.443G	3	5.391G	4	5.385G
5	5.397G	6	5.584G	7	5.260G	8	5.337G
9	5.377G	10	5.553G	11	5.718G	12	5.678G
13	5.269G	14	5.583G	15	5.648G	16	5.251G
17	5.482G	18	5.426G	19	5.412G	20	5.561G
21	5.599G	22	5.636G	23	5.649G	24	5.270G
25	5.471G	26	5.644G	27	5.691G	28	5.651G
29	5.664G	30	5.405G	31	5.675G	32	5.496G
33	5.290G	34	5.548G	35	5.489G	36	5.376G
37	5.582G	38	5.367G	39	5.479G	40	5.384G
41	5.507G	42	5.416G	43	5.575G	44	5.382G
45	5.622G	46	5.401G	47	5.274G	48	5.573G
49	5.339G	50	5.601G	51	5.604G	52	5.571G
53	5.656G	54	5.625G	55	5.665G	56	5.545G
57	5.301G	58	5.323G	59	5.475G	60	5.379G
61	5.441G	62	5.351G	63	5.697G	64	5.462G
65	5.703G	66	5.250G	67	5.606G	68	5.305G
69	5.410G	70	5.659G	71	5.580G	72	5.669G
73	5.504G	74	5.567G	75	5.710G	76	5.514G
77	5.521G	78	5.519G	79	5.390G	80	5.320G
81	5.640G	82	5.502G	83	5.544G	84	5.415G
85	5.480G	86	5.538G	87	5.491G	88	5.252G
89	5.696G	90	5.440G	91	5.520G	92	5.634G
93	5.539G	94	5.387G	95	5.289G	96	5.324G
97	5.307G	98	5.283G	99	5.715G	100	5.326G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**	**SEQ#**	**Frequency (Hz)**
1	5.473G	2	5.374G	3	5.379G	4	5.389G
5	5.634G	6	5.544G	7	5.690G	8	5.468G
9	5.605G	10	5.343G	11	5.683G	12	5.555G
13	5.399G	14	5.406G	15	5.632G	16	5.350G
17	5.404G	18	5.390G	19	5.488G	20	5.703G
21	5.338G	22	5.515G	23	5.323G	24	5.599G
25	5.480G	26	5.609G	27	5.637G	28	5.456G
29	5.375G	30	5.509G	31	5.695G	32	5.670G
33	5.623G	34	5.280G	35	5.722G	36	5.520G
37	5.391G	38	5.600G	39	5.263G	40	5.476G
41	5.369G	42	5.412G	43	5.516G	44	5.620G
45	5.256G	46	5.434G	47	5.364G	48	5.402G
49	5.289G	50	5.357G	51	5.606G	52	5.349G
53	5.694G	54	5.278G	55	5.490G	56	5.581G
57	5.719G	58	5.671G	59	5.288G	60	5.657G
61	5.530G	62	5.701G	63	5.439G	64	5.711G
65	5.636G	66	5.647G	67	5.460G	68	5.524G
69	5.316G	70	5.424G	71	5.452G	72	5.268G
73	5.558G	74	5.580G	75	5.587G	76	5.550G
77	5.371G	78	5.341G	79	5.282G	80	5.403G
81	5.467G	82	5.466G	83	5.552G	84	5.309G
85	5.592G	86	5.328G	87	5.381G	88	5.366G
89	5.386G	90	5.505G	91	5.449G	92	5.665G
93	5.365G	94	5.416G	95	5.380G	96	5.579G
97	5.566G	98	5.415G	99	5.615G	100	5.503G