DFS TEST REPORT

REPORT NO.:	RF990701C17A-2
MODEL NO.:	VEN401-XX (The "X" of Model Name could be 0~9, A~Z or blank)
FCC ID:	MXF-AP990624M
RECEIVED:	July 01, 2010
TESTED:	Jan. 30, 2011
ISSUED:	Feb. 21, 2011

APPLICANT:	Gemtek Technology Co., Ltd.
ADDRESS:	No.15-1, Zhonghua Rd, Hsinchu Industrial Park , Hsinchu County, Taiwan,R.O.C.303

ISSUED BY :	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
LAB ADDRESS :	No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan
TEST LAB :	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
TEST LOCATION :	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan

Lin Kou Laboratories

Hsin Chu Laboratory

Table of Contents

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	NA	Feb. 21, 2011

1. LAB DECLARATION

PRODUCT:	Wireless Video Access Point
BRAND NAME:	CISCO
MODEL NO.:	VEN401-XX (The "X" of Model Name could be 0~9, A~Z or blank)
TEST SAMPLE:	ENGINEERING SAMPLE
TESTED:	Jan. 30, 2011
APPLICANT:	Gemtek Technology Co., Ltd.
STANDARDS:	FCC Part 15, Subpart E (Section 15.407) FCC 06-96

The above equipment (Model: VEN401-AT) 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 under the standards herein specified. This report all test data that were produced under subcontract by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories.

PREPARED BY : _____ , **DATE:** Feb. 21, 2011
(Midoli Peng, Specialist)

APPROVED BY : _____ , **DATE:** Feb. 21, 2011
(May Chen, Deputy 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	ü	ü

The EUT has disabled the 5600 ~ 5650 MHz band

2.2 EUT SOFTWARE AND FIRMWARE VERSION

Table 2: The EUT software/firmware version.

No.	Product	Model No.	Software/Firmware Version
1	Wireless Video Access Point	VEN401-AT	1.24.32.42D-DFS

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

Table 3: Antenna list.

Ant NO.	Antenna	Type	Operation Frequency Range(MHz)	Max. Gain(dBi)	Remark
0	PIFA	PIFA	5250~5350	3.3	-
0	PIFA	PIFA	5470~5725	4.3	-
1	PIFA	PIFA	5250~5350	4	-
1	PIFA	PIFA	5470~5725	4.5	-
2	PIFA	PIFA	5250~5350	4.3	-
2	PIFA	PIFA	5470~5725	4.2	-

2.4 EUT MAXIMUM AND MINIMUM CONDUCTED POWER

TABLE 4: THE MEASURED CONDUCTED OUTPUT POWER

IEEE 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	21.3	133.7	15.3	33.9
1	5470~5725	21.5	140	15.5	35.5

IEEE 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	23.5	224.5	17.5	56.2
1	5470~5725	23.8	240.5	17.8	60.3

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

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

IEEE 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	25.6	359.9	19.6	91.2
1	5470~5725	25.8	376.8	19.8	95.5

IEEE 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	27.8	604.2	21.8	151.4
1	5470~5725	28.1	647.3	22.1	162.2

3. U-NII DFS RULE REQUIREMENTS

3.1 WORKING MODES AND REQUIRED TEST ITEMS

The manufacturer shall state whether the EUT is capable of operating as a Master and/or a Client. If the EUT 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	ü	Not required	ü
DFS Detection Threshold	ü	Not required	ü
Channel Availability Check Time	ü	Not required	Not required
Uniform Spreading	ü	Not required	Not required
U-NII Detection Bandwidth	ü	Not required	ü

Table 7: Applicability of DFS requirements during normal operation.

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

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	2011/07/16
Signal generator	8645A	Agilent	2011/06/07
Oscilloscope	TDS 5104	Tektronix	2011/09/02
Control PC	Pavilion a320d	HP	--

4.2 DESCRIPTION OF SUPPORT UNITS

TABLE 2: SUPPORT UNIT INFORMATION.

No.	Product	Brand	Model No.	ID	Spec.
1	IEEE 802.11a/b/g/n Cardbus	ATHEROS	AR5BCB-0072TA	PPD-AR5BCB-00072	-

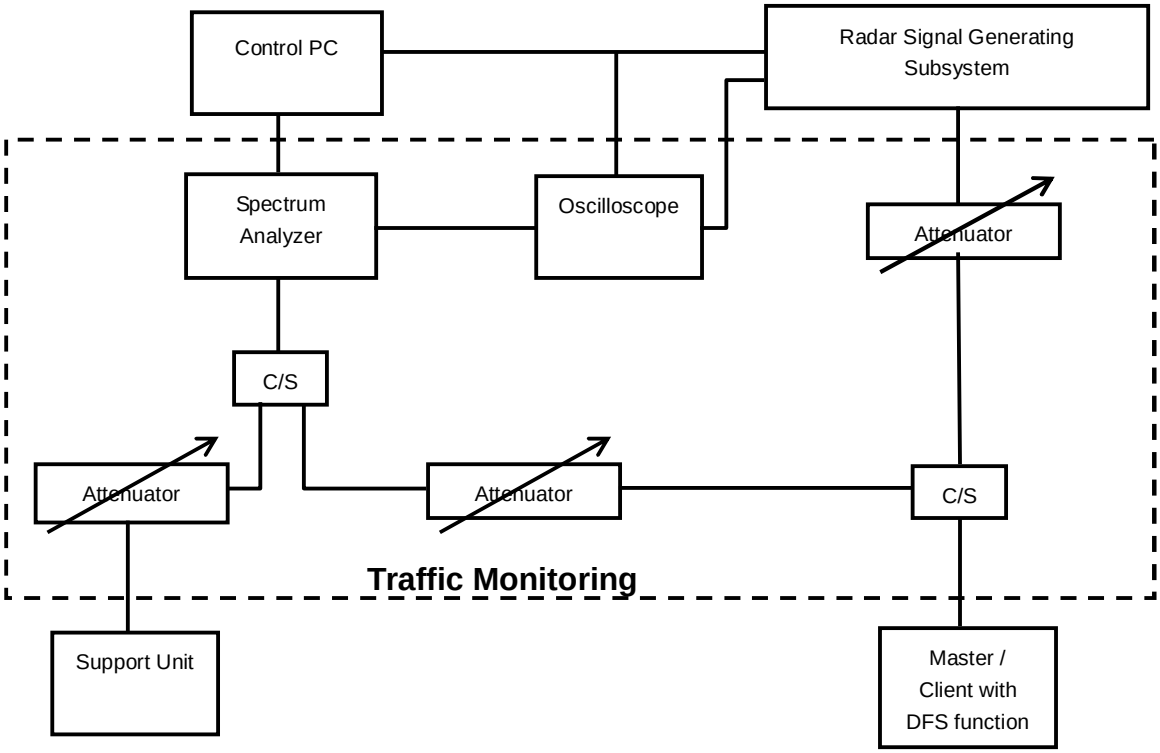
Note: This device was functioned as a □Master ■Slave device during the DFS test.

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 (EUT).

Conducted setup configuration of ADT DFS Measurement System

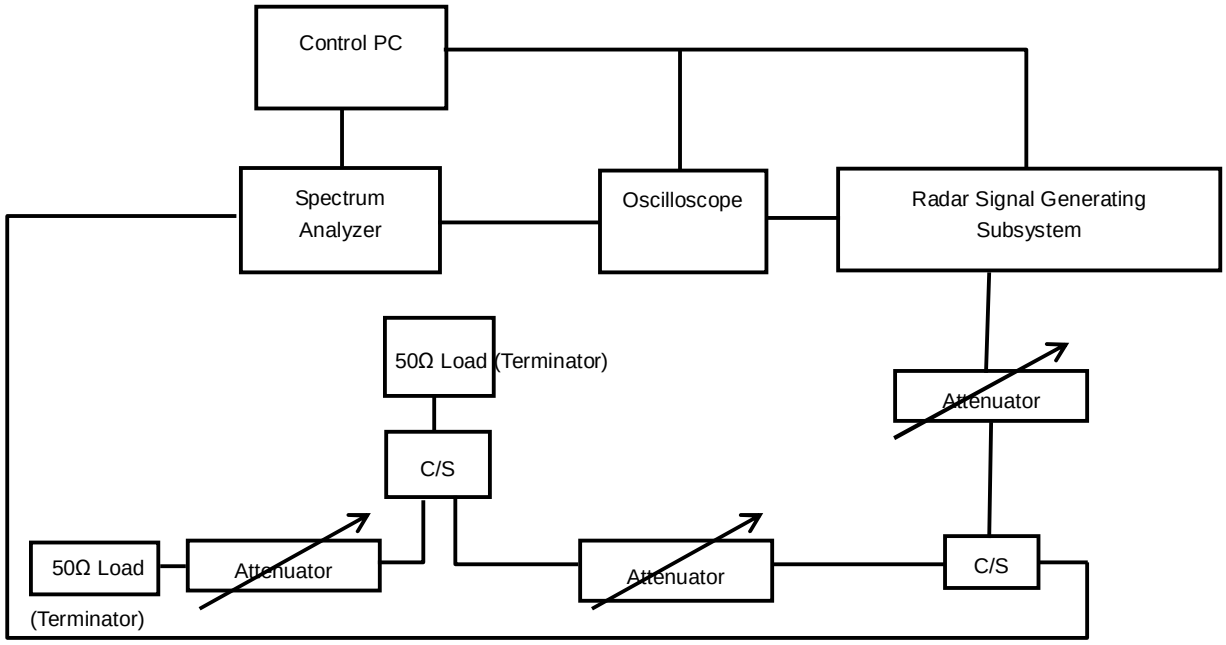


The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 y Magic Hours) from Master device, the designated MPEG test file and instructions are located at: http://ntiacsd.ntia.doc.gov/dfs/.

5.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:

The measured channel is 5500MHz and 5510MHz, 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 minimum antenna gain is 3.3 dBi, and required detection threshold is -60.7 dBm.

Conducted setup configuration of Calibration of DFS Detection Threshold Level

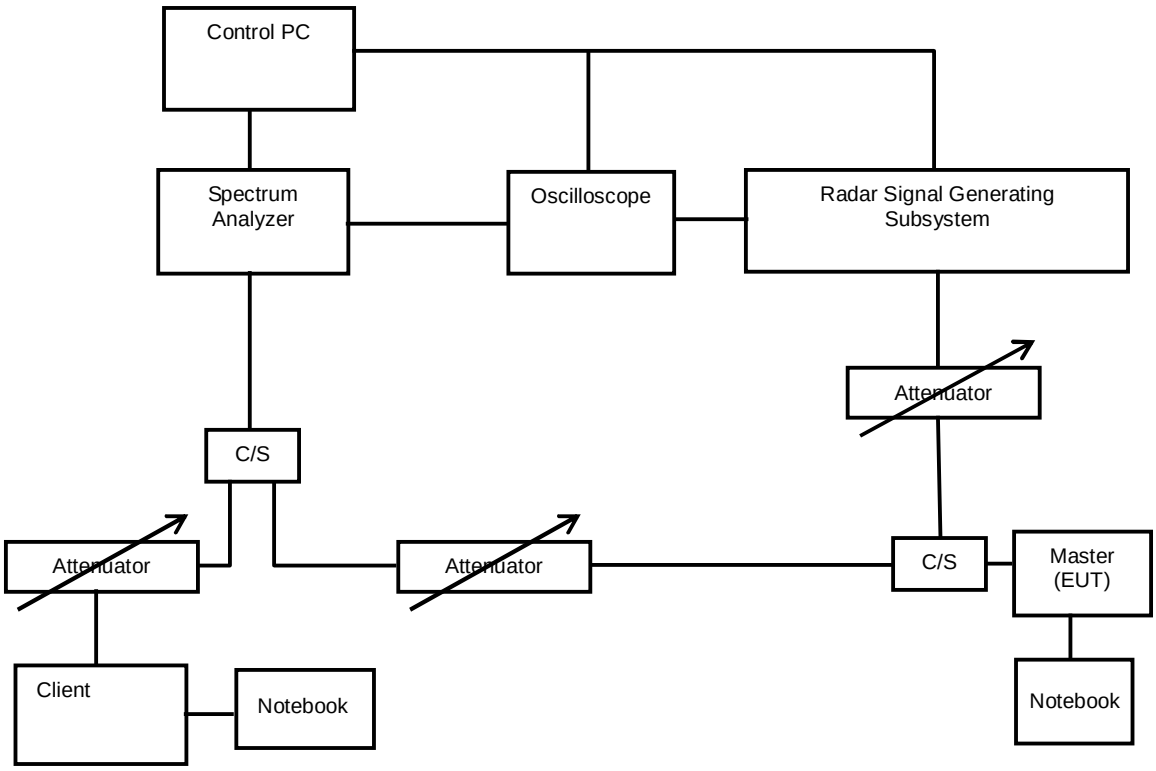


5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 CONDUCTED TEST SETUP CONFIGURATION

5.4.1 MASTER MODE



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

6. TEST RESULTS

6.1 SUMMARY OF TEST RESULT

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

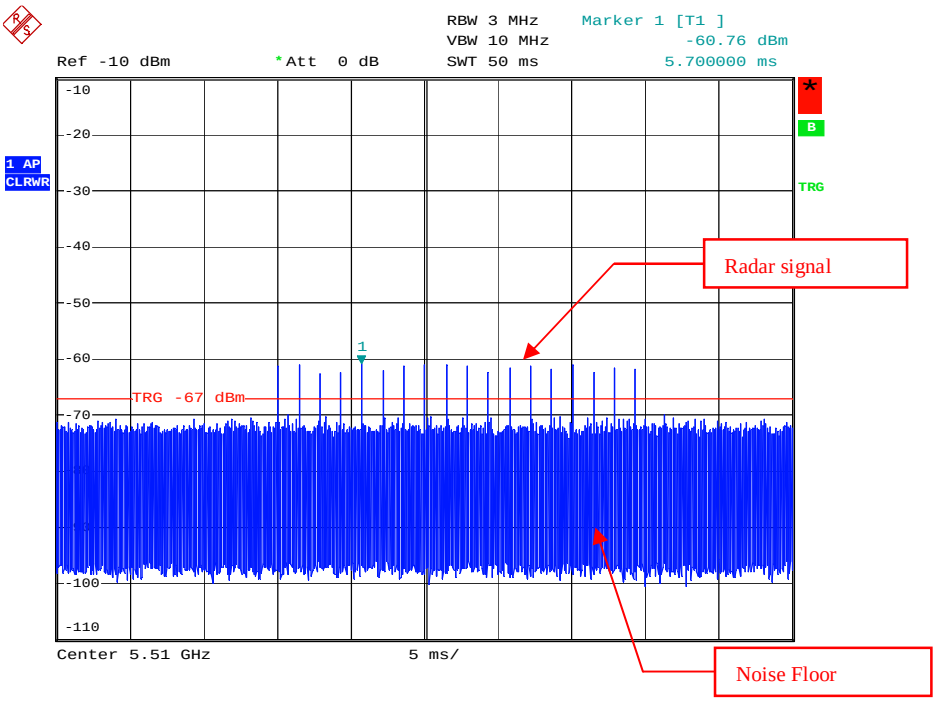
6.2 DETELED TEST RESULTS

6.2.1 TEST MODE: DEVICE OPERATING IN MASTER MODE.

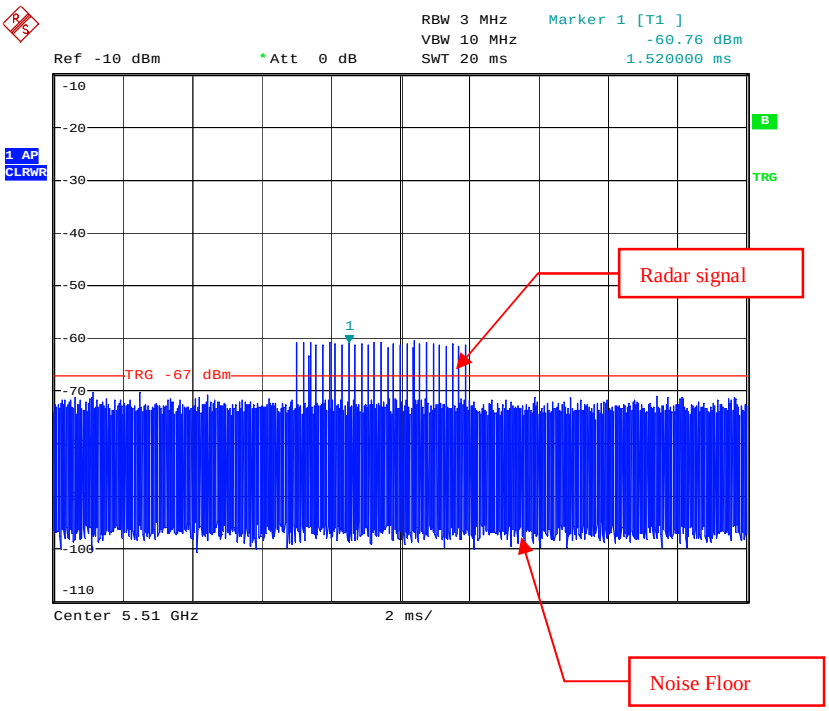
Master with injection at the Master. (Radar Test Waveforms are injected into the Master.

DFS DETECTION THRESHOLD

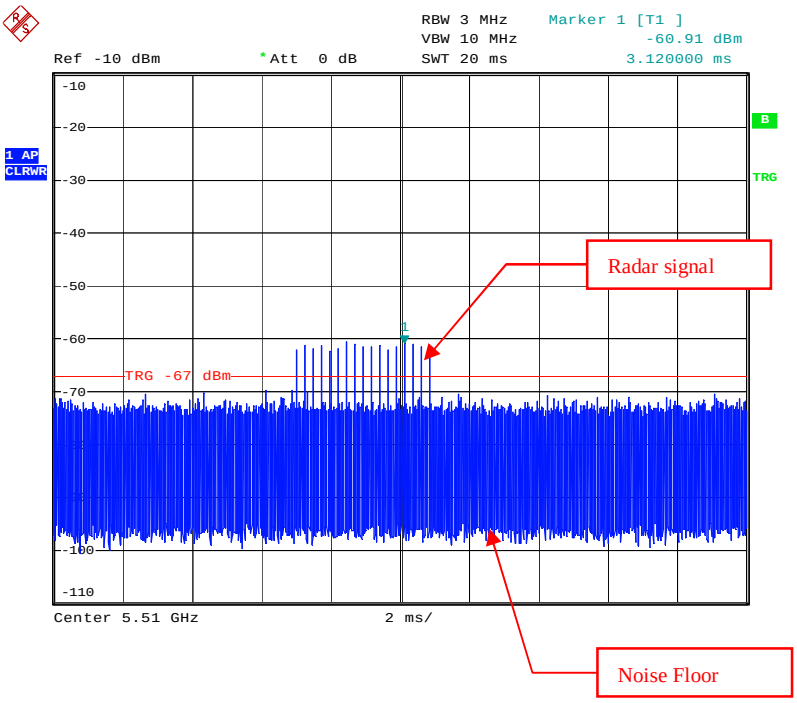
For a detection threshold level of –64dBm and the Master minimum antenna gain is 3.3 dBi, and required detection threshold is -60.7 dBm (= -64 +3.3). The conducted radar burst level is set to -60.7 dBm.



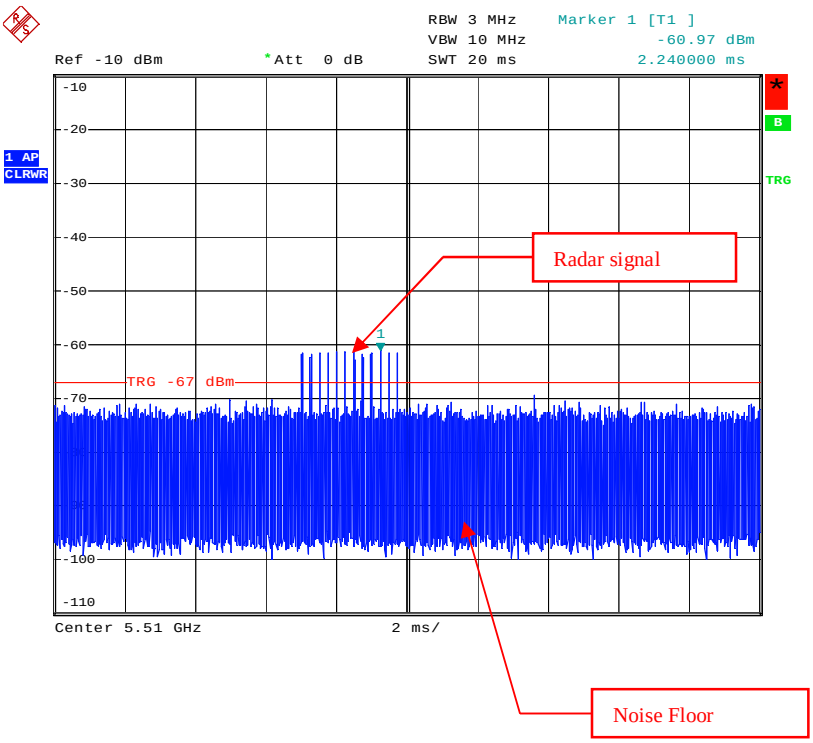
Radar Signal 1



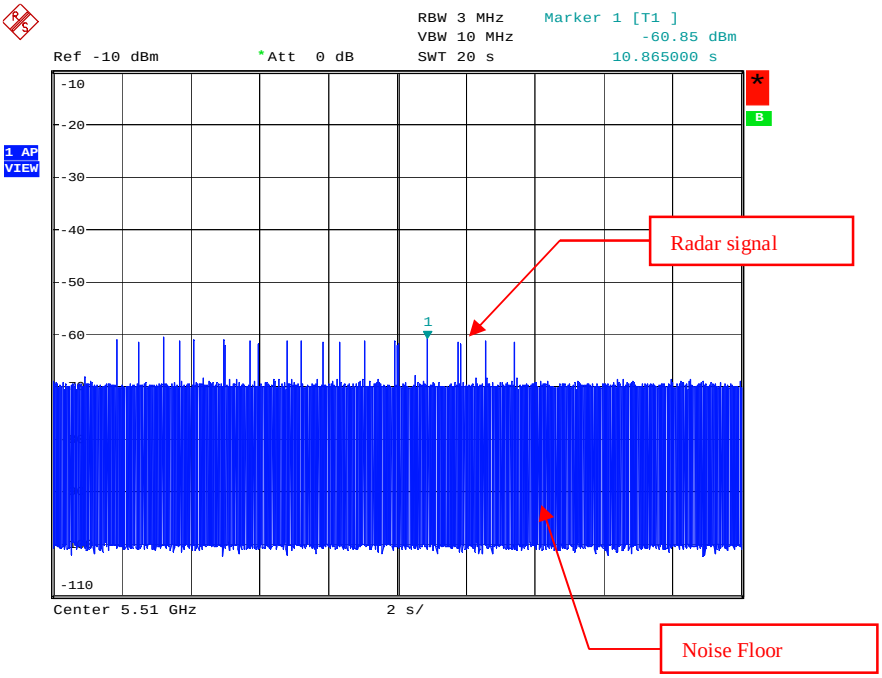
Radar Signal 2



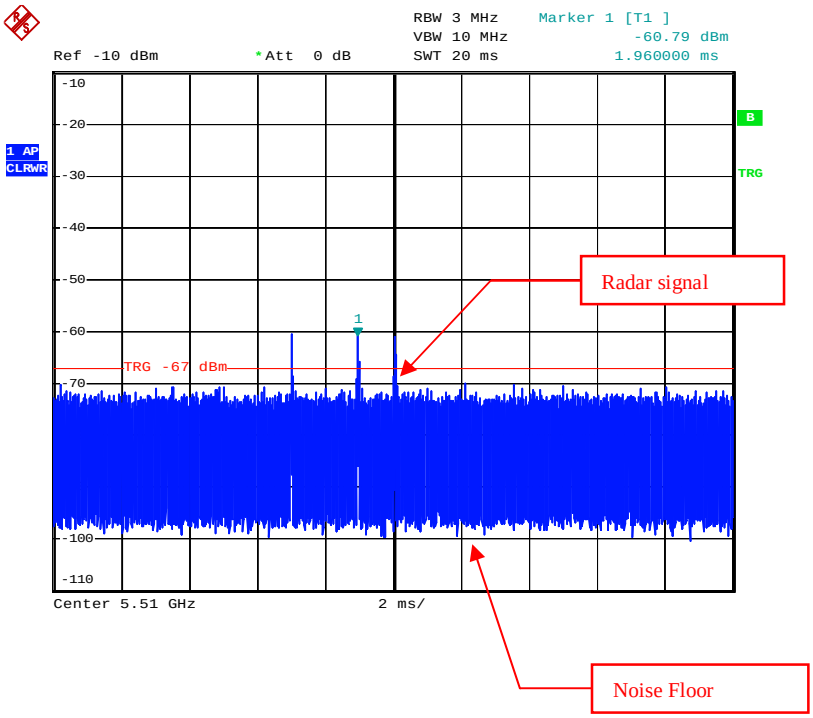
Radar Signal 3



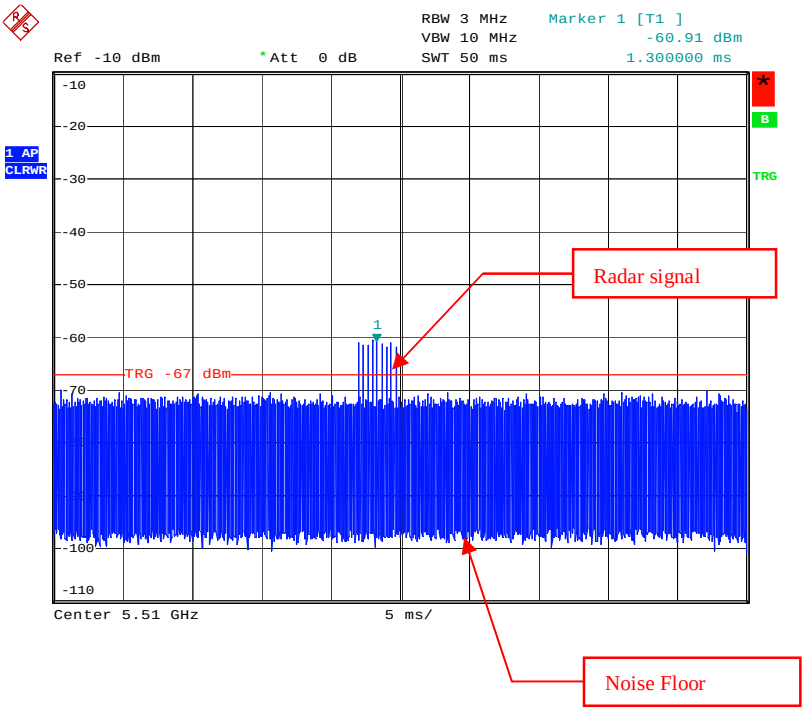
Radar Signal 4



Radar Signal 5



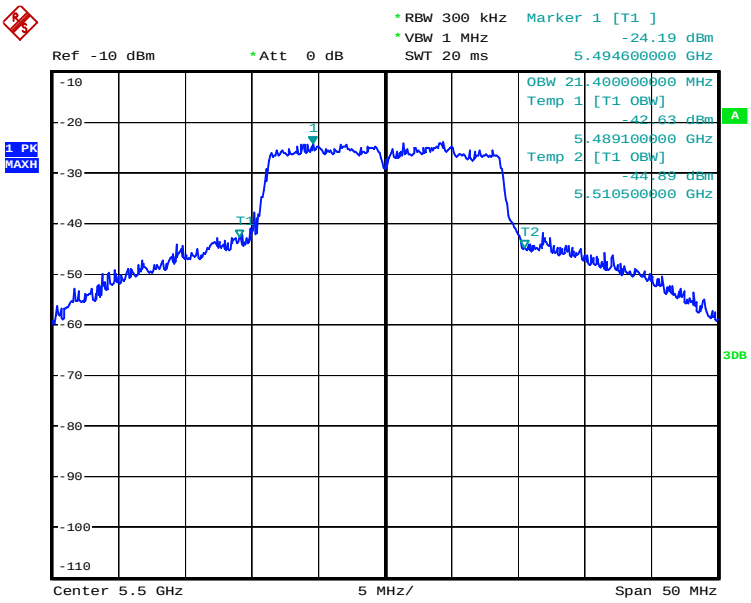
Single Burst of Radar Signal 5



Radar Signal 6

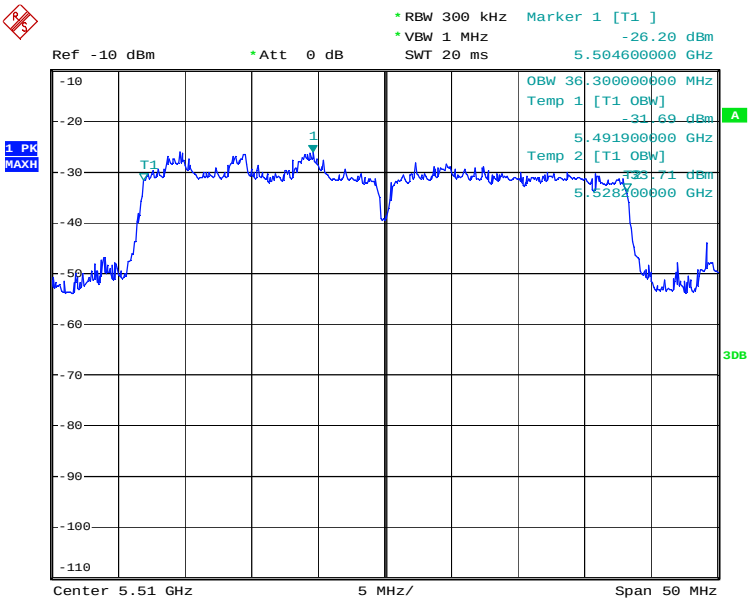
6.2.2 U-NII DETECTION BANDWIDTH

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: 21.4MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 17.12MHz Detection bandwidth (5510(FH) – 5490(FL)) : 20 MHz Test Result : PASS											
Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	Y	Y	Y	N	Y	N	N	Y	N	Y	60
5490(FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5491	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5493	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5507	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5509	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5510(FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5511	Y	N	N	Y	N	Y	Y	N	Y	Y	60

Detection Bandwidth Test - IEEE 802.11n 40MHz											
EUT Frequency: 5510MHz EUT 99% Power bandwidth: 36.3MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 29.04MHz Detection bandwidth (5530(FH) – 5490(FL)) : 40MHz Test Result : PASS											
Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	Y	Y	Y	N	Y	N	Y	N	Y	N	60
5490(FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5491	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5493	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5507	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5509	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5510	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

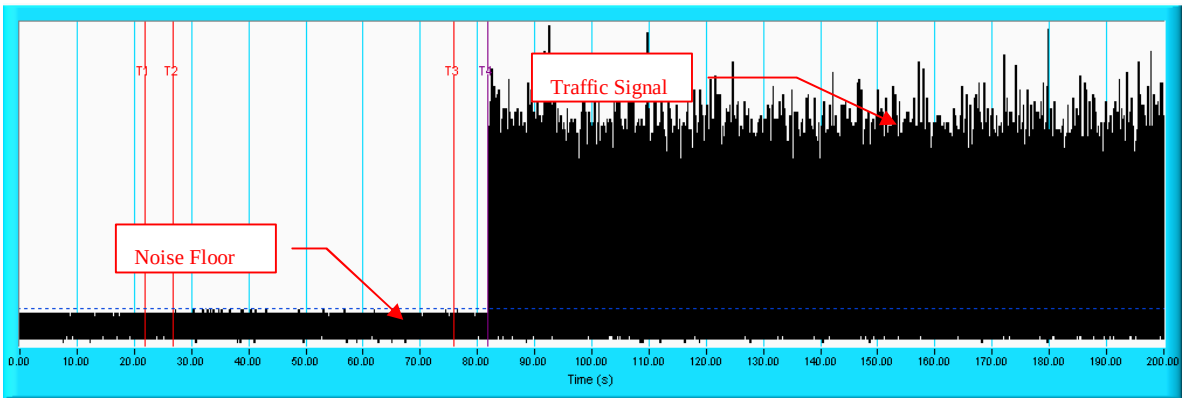
5526	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5527	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5528	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5529	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5530(FH)	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	90
5531	N	Y	N	N	Y	N	N	Y	Y	N	40

6.2.3 CHANNEL AVAILABILITY CHECK TIME

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

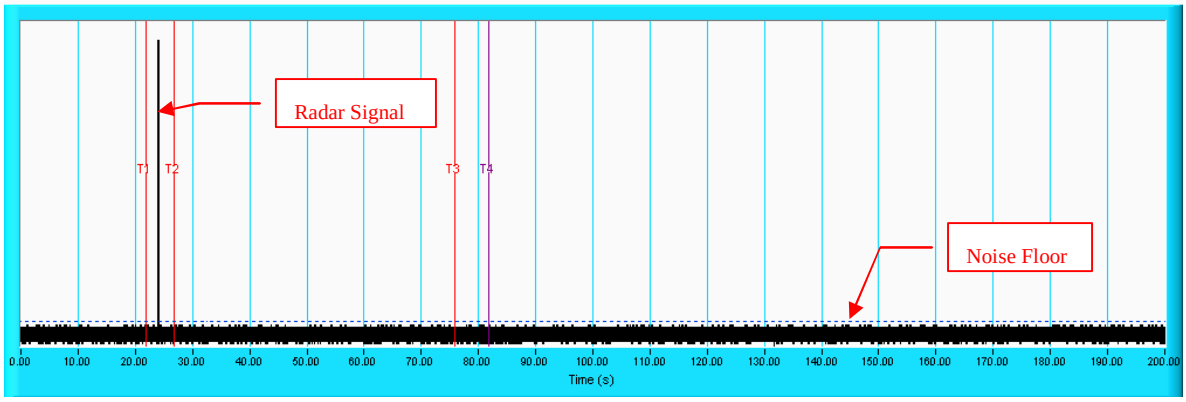
Timing of Radar Signal	Observation	
	EUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



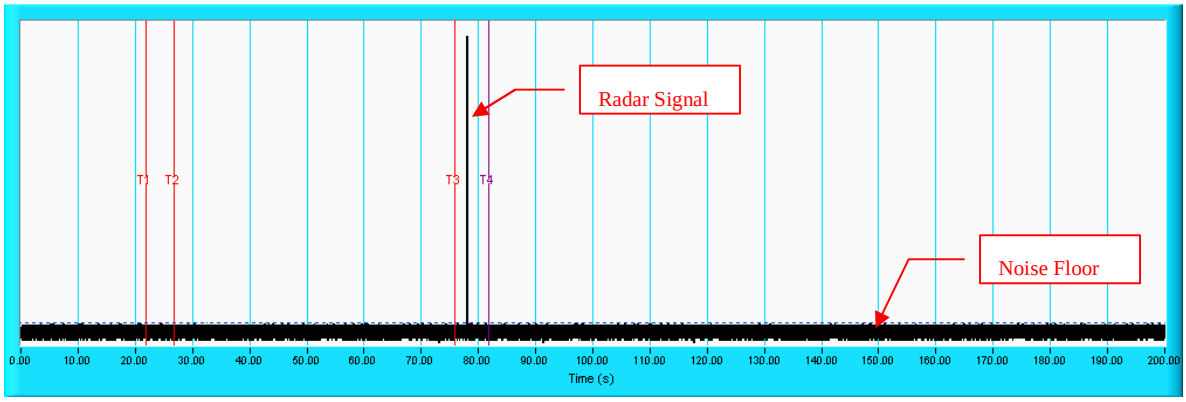
NOTE: T1 denotes the end of power-up time period is 22 second. T4 denotes the end of Channel Availability Check time is 82 second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 22 second. T2 denotes 28 second , the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 82 second.

Radar Burst at the End of the Channel Availability Check Time

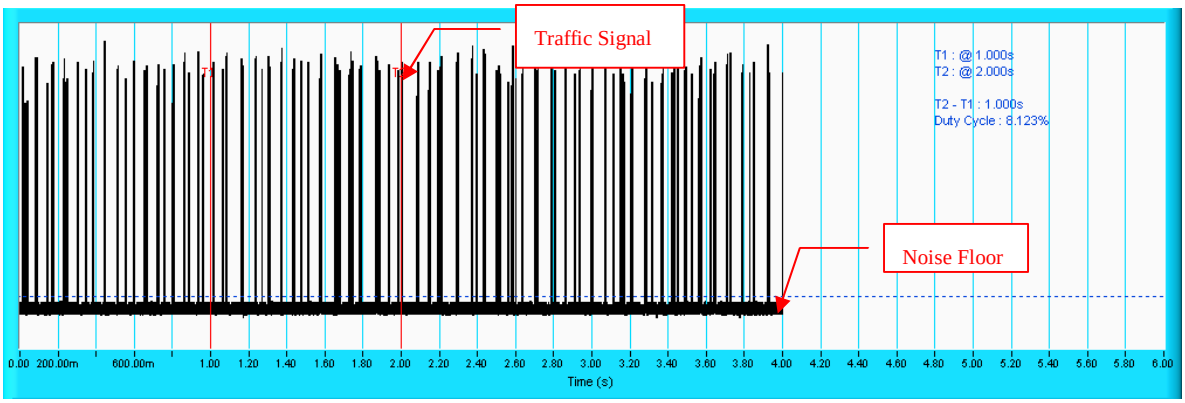


NOTE: T1 denotes the end of power up time period is 22 second. T3 denotes 76 second and radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T4 denotes the 82 second.

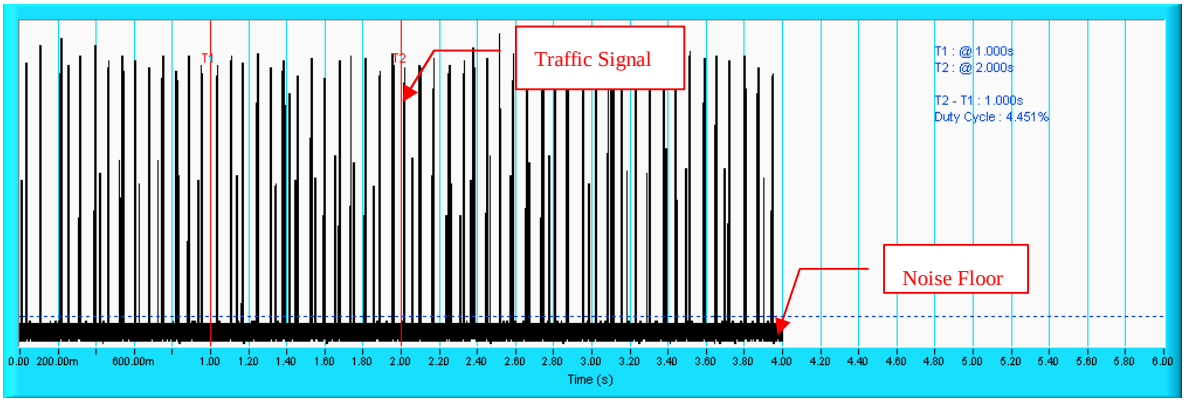
6.2.4 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

Wireless Traffic Loading

IEEE 802.11n 20MHz



IEEE 802.11n 40MHz



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	100
2	1-5	150-230	23-29	30	96.7
3	6-10	200-500	16-18	30	80
4	11-20	200-500	12-16	30	80
Aggregate (Radar Types 1-4)				120	89.1

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	83.3

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	86.7

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

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	93.3
2	1-5	150-230	23-29	30	93.3
3	6-10	200-500	16-18	30	86.7
4	11-20	200-500	12-16	30	93.3
Aggregate (Radar Types 1-4)				120	91.6

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	83.3

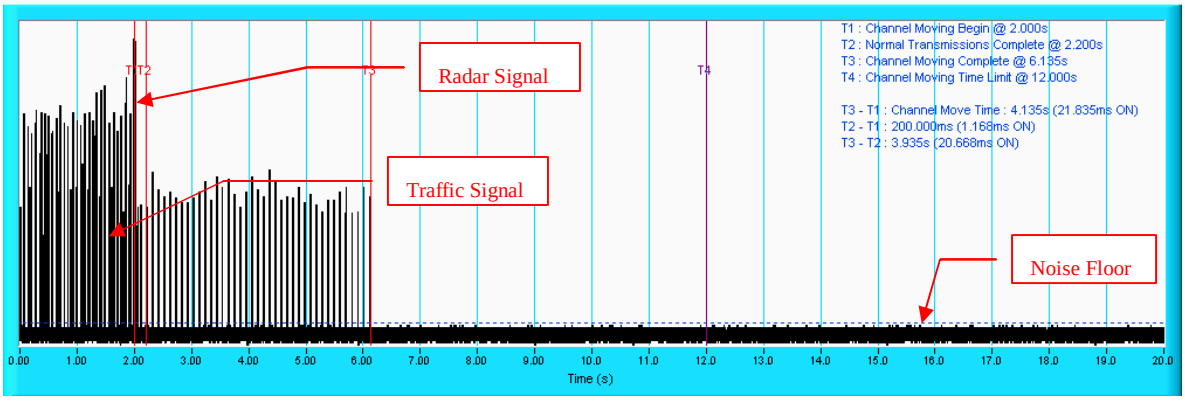
Table 3: Frequency Hopping Radar Test Waveform

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

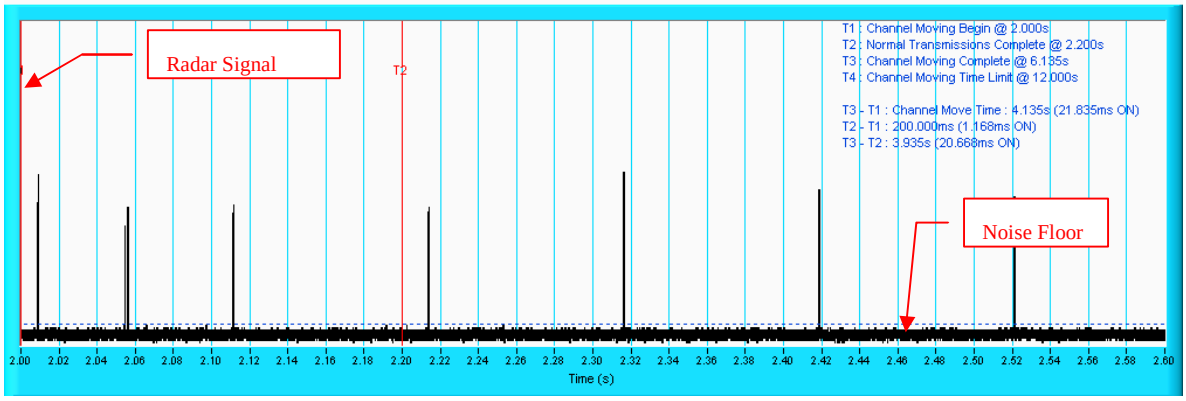
The Detailed Radar pattern and Statistical Performance showed in Annex A.

Radar signal 1

IEEE 802.11N 20MHz



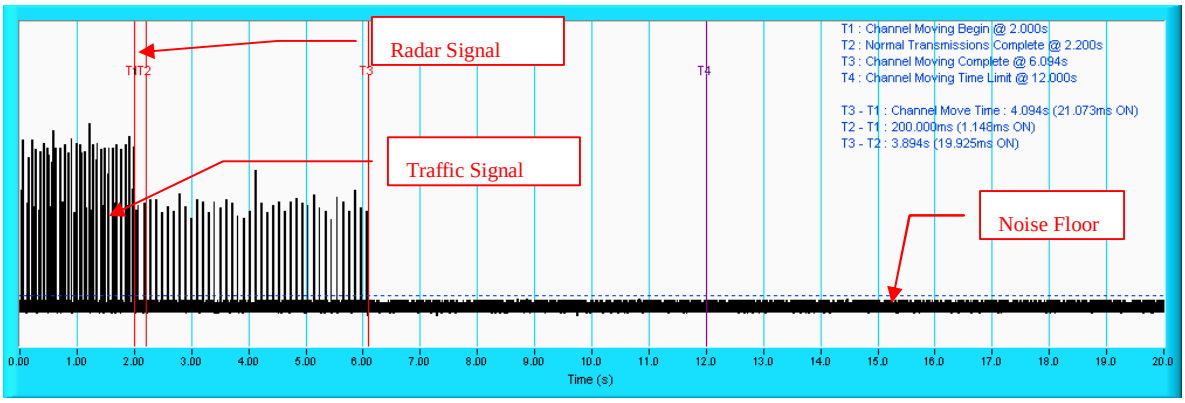
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



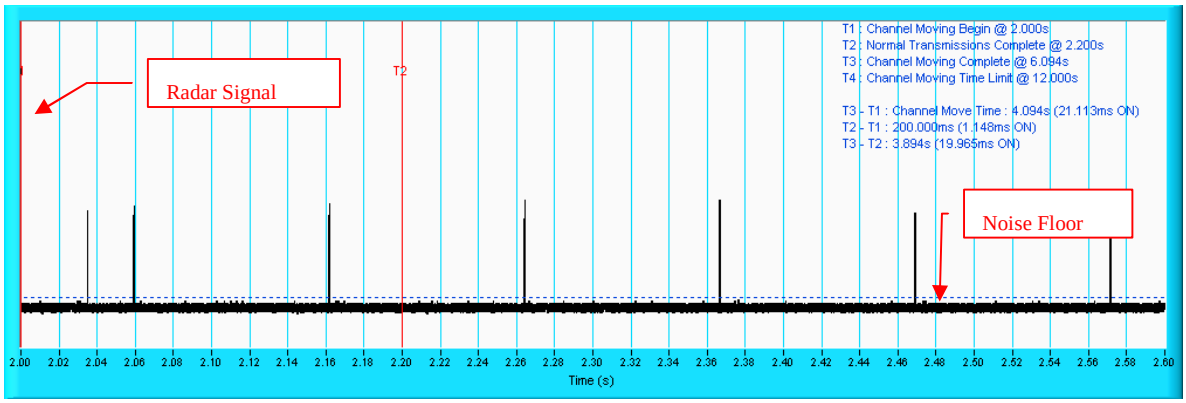
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 2

IEEE 802.11n 20MHz



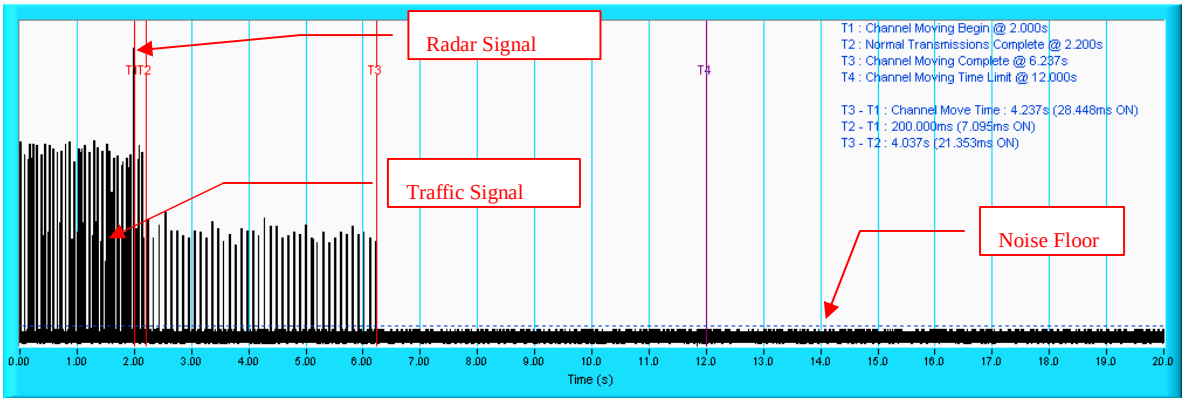
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



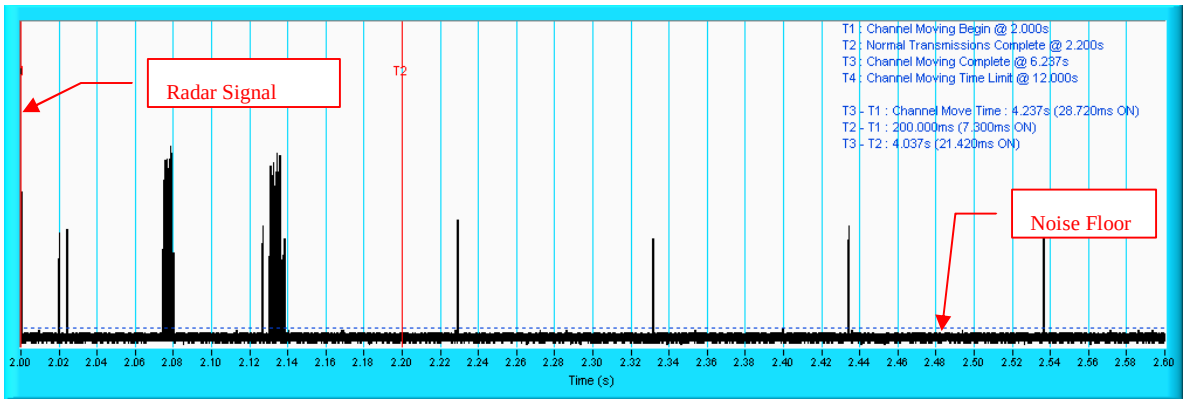
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 3

IEEE 802.11n 20MHz



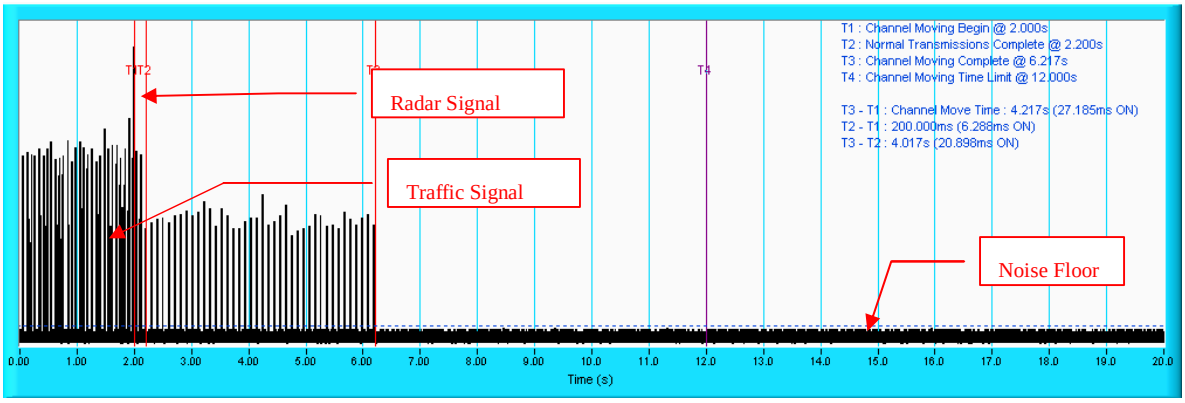
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



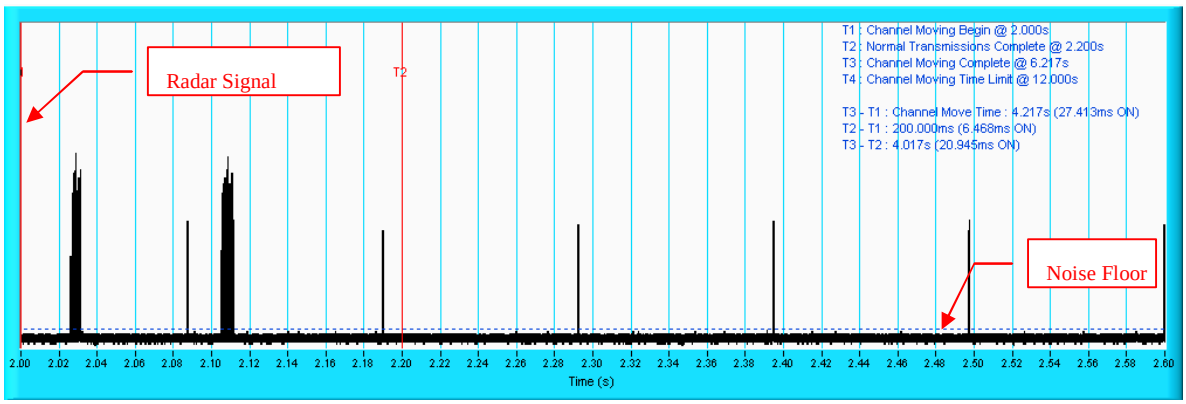
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 4

IEEE 802.11n 20MHz



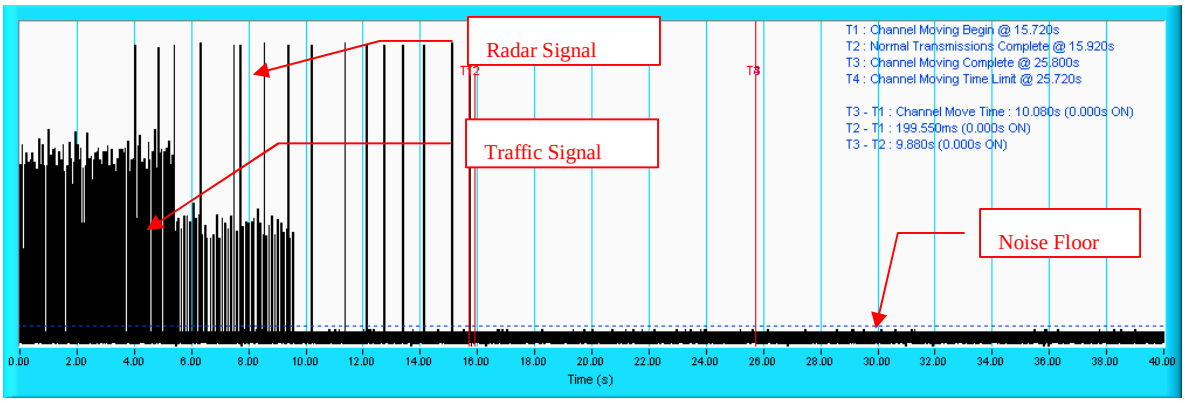
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



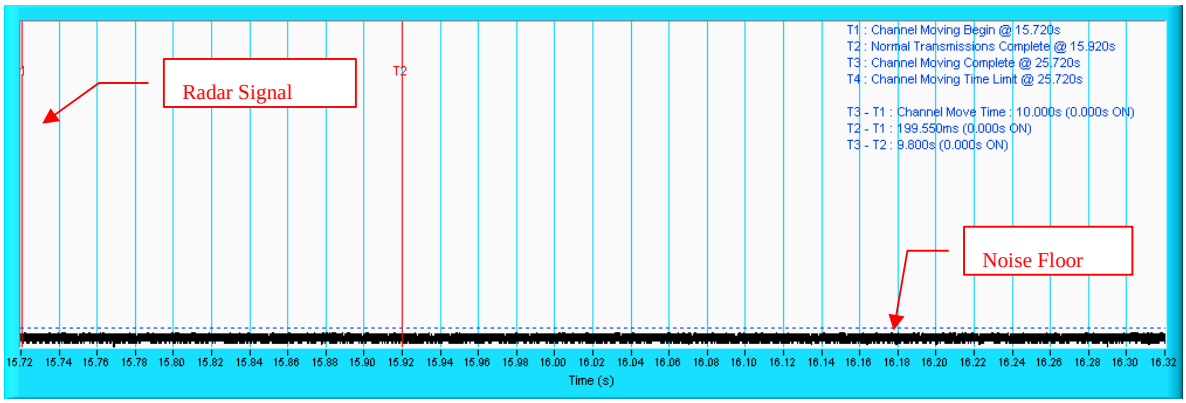
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 5

IEEE 802.11n 20MHz



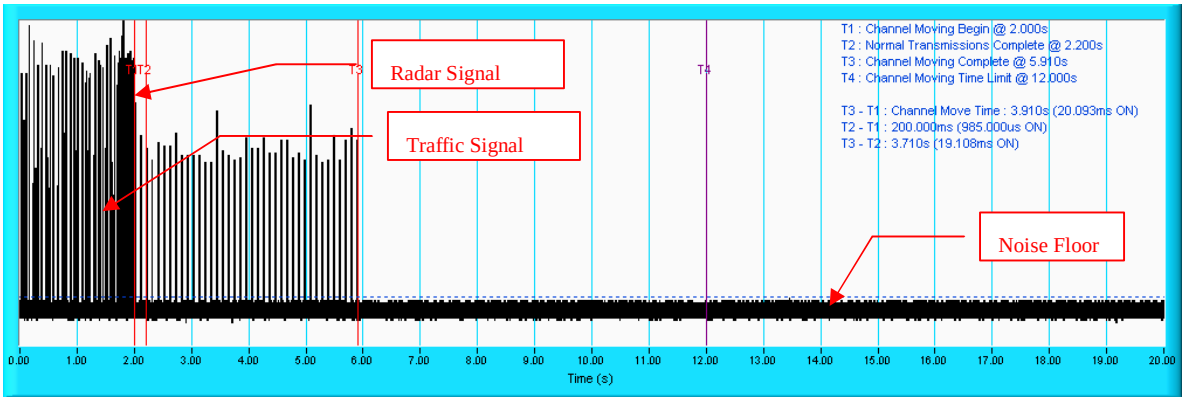
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



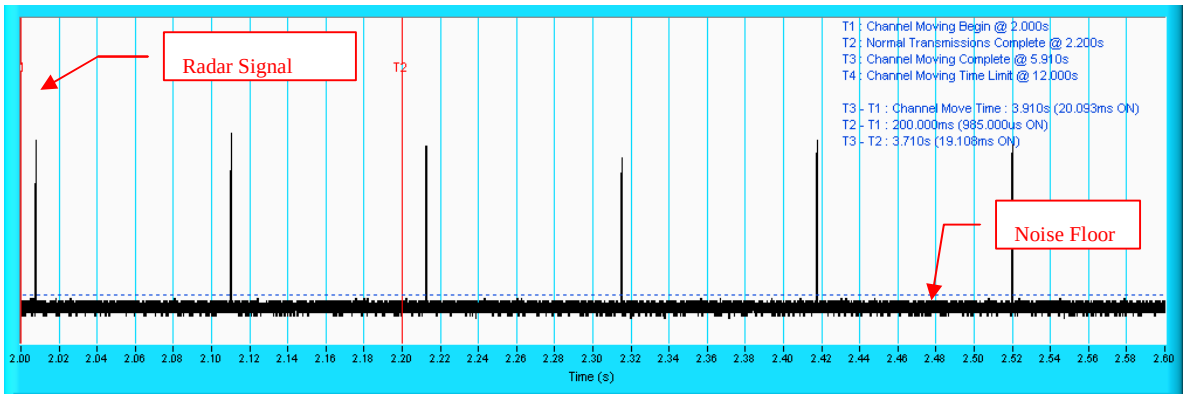
NOTE: An expanded plot for the device vacates the channel in the required 600ms

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.



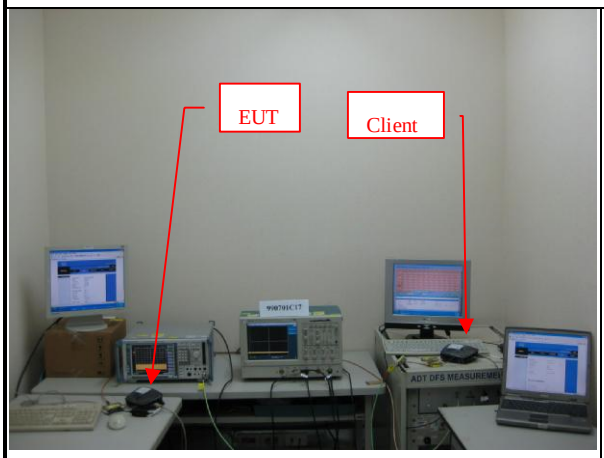
NOTE: An expanded plot for the device vacates the channel in the required 600ms

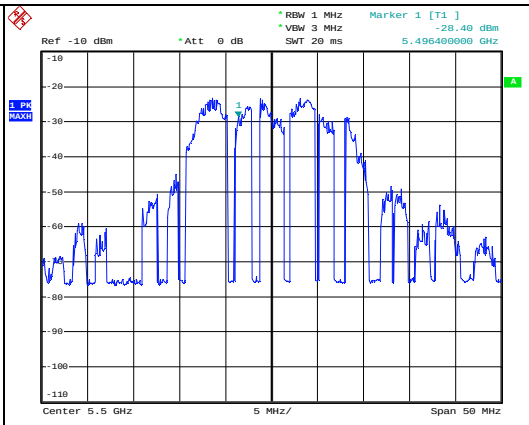
6.2.5 NON- OCCUPANCY PERIOD

Associate test:

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

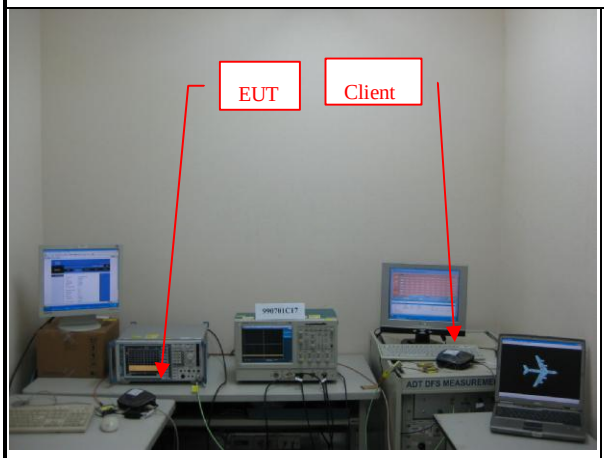
1) Test results demonstrating Master links with Client on a test frequency.

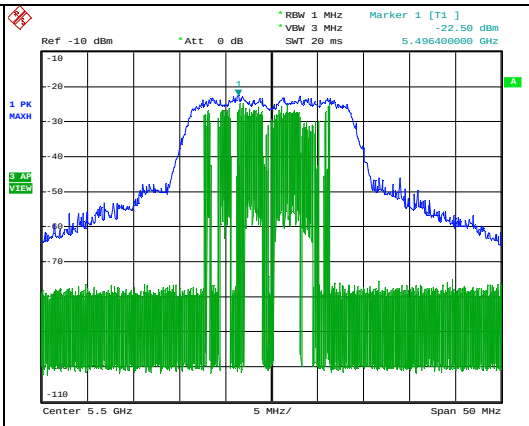




EUT (MASTER) links with Client on 5500MHz

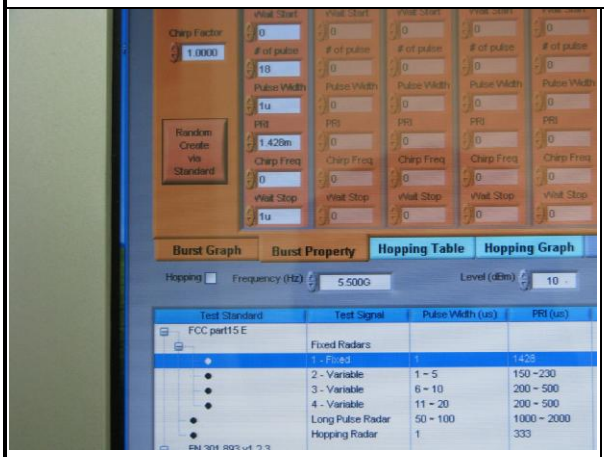
2) The Master and DFS-certified Client device are associated, and the movie can be streamed as specified in the DFS Order.

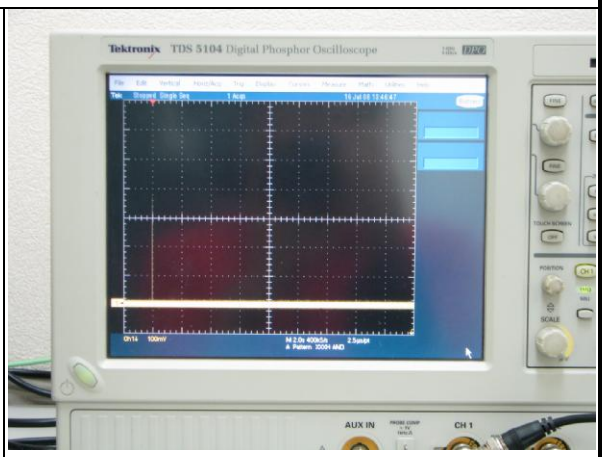




Client plays a specified files via master.

3). The device transmits one type of radar as specified in the DFS Order.

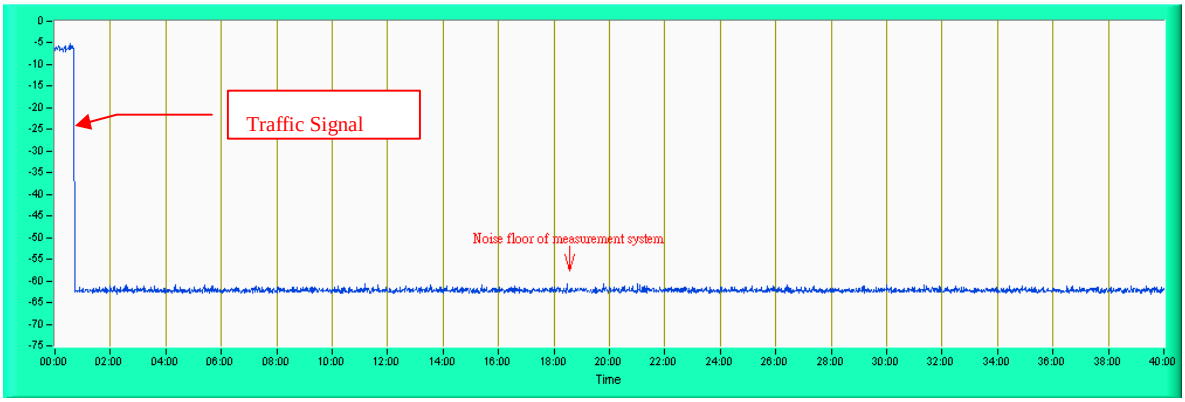




Radar 1 ~6 is used to test during DFS testing.

4) 5510MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

IEEE 802.11n 40MHz.



6.2.6 UNIFORM SPREADING

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The EUT using the DFS bands 5250 to 5350MHz and 5470 to 5725 MHz channels so that the probability of selecting a given channel shall be the same for all channels.
The EUT will select channel by random mode and mark this channel after detecting radar signal, so that will select unused channel by random mode.

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 according to ISO/IEC 17025.

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: 886-2-26052943

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. ANNEX

8.1 ANNEX-A

Annex A.1 : The Detailed Radar pattern and Statistical Performance

IEEE 802.11n 20MHz

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	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: 100.0 %

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	26	3.9u	191.0u	Yes
2	25	1.9u	156.0u	Yes
3	28	3.9u	155.0u	Yes
4	23	4.0u	174.0u	Yes
5	23	3.8u	200.0u	Yes
6	27	4.2u	185.0u	Yes
7	24	3.1u	221.0u	Yes
8	25	2.5u	154.0u	Yes
9	26	4.3u	170.0u	Yes
10	27	3.1u	157.0u	Yes
11	28	2.0u	211.0u	Yes
12	24	2.6u	194.0u	Yes
13	25	3.2u	187.0u	Yes
14	28	1.9u	154.0u	Yes
15	24	2.7u	219.0u	Yes
16	27	1.2u	222.0u	Yes
17	29	4.9u	219.0u	Yes
18	26	1.5u	204.0u	Yes
19	28	3.0u	198.0u	Yes
20	26	3.4u	191.0u	Yes
21	24	4.8u	175.0u	Yes
22	29	4.0u	196.0u	Yes
23	29	3.3u	187.0u	Yes
24	27	3.1u	156.0u	Yes
25	25	1.8u	151.0u	Yes
26	29	3.8u	191.0u	Yes
27	26	2.1u	195.0u	No
28	29	4.2u	180.0u	Yes
29	27	2.9u	164.0u	Yes
30	27	3.3u	218.0u	Yes
				Detection Rate: 96.7 %

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	6.6u	207.0u	Yes
2	17	9.1u	209.0u	Yes
3	17	6.4u	348.0u	Yes
4	16	9.3u	271.0u	Yes
5	17	7.8u	354.0u	Yes
6	17	9.5u	485.0u	Yes
7	16	6.0u	440.0u	Yes
8	17	7.2u	453.0u	Yes
9	17	7.2u	419.0u	No
10	17	6.9u	248.0u	Yes
11	18	7.2u	351.0u	Yes
12	17	7.0u	248.0u	Yes
13	16	7.4u	393.0u	No
14	16	10.0u	379.0u	Yes
15	17	8.0u	492.0u	Yes
16	17	6.9u	386.0u	Yes
17	18	6.3u	356.0u	No
18	17	7.2u	457.0u	No
19	17	7.4u	460.0u	Yes
20	16	8.7u	354.0u	Yes
21	18	6.3u	454.0u	Yes
22	18	6.5u	297.0u	No
23	16	6.2u	290.0u	Yes
24	17	7.9u	298.0u	Yes
25	16	7.6u	348.0u	Yes
26	17	7.3u	326.0u	Yes
27	17	8.5u	315.0u	Yes
28	16	6.9u	323.0u	No
29	17	7.9u	392.0u	Yes
30	18	8.5u	459.0u	Yes
				Detection Rate: 80.0 %

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	13	17.6u	325.0u	Yes
2	14	14.6u	413.0u	Yes
3	12	12.4u	395.0u	Yes
4	13	15.5u	381.0u	No
5	12	16.2u	384.0u	Yes
6	14	15.2u	314.0u	Yes
7	16	15.5u	219.0u	Yes
8	14	15.4u	373.0u	Yes
9	14	18.8u	207.0u	No
10	14	16.2u	259.0u	No
11	13	19.0u	405.0u	Yes
12	14	16.7u	466.0u	Yes
13	13	11.1u	408.0u	Yes
14	13	13.3u	445.0u	Yes
15	14	12.4u	214.0u	No
16	14	13.0u	411.0u	Yes
17	14	11.7u	395.0u	Yes
18	14	17.4u	213.0u	Yes
19	15	17.2u	299.0u	Yes
20	12	19.3u	303.0u	Yes
21	15	15.1u	382.0u	No
22	15	19.0u	202.0u	Yes
23	15	13.8u	342.0u	No
24	15	15.1u	275.0u	Yes
25	14	17.2u	245.0u	Yes
26	16	17.2u	441.0u	Yes
27	13	14.4u	366.0u	Yes
28	13	16.2u	319.0u	Yes
29	14	19.2u	487.0u	Yes
30	12	13.1u	252.0u	Yes
				Detection Rate: 80.0 %

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	No
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	No
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	No
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	Yes
17	LP_Signal_17	Yes
18	LP_Signal_18	Yes
19	LP_Signal_19	Yes
20	LP_Signal_20	Yes
21	LP_Signal_21	Yes
22	LP_Signal_22	Yes
23	LP_Signal_23	Yes
24	LP_Signal_24	Yes
25	LP_Signal_25	Yes
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 83.3 %

The Long Pulse Radar pattern showed in Annex A.2

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	Yes
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	Yes
10	HOP_FREQ_SEQ_10	No
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	Yes
13	HOP_FREQ_SEQ_13	No
14	HOP_FREQ_SEQ_14	Yes
15	HOP_FREQ_SEQ_15	Yes
16	HOP_FREQ_SEQ_16	Yes
17	HOP_FREQ_SEQ_17	Yes
18	HOP_FREQ_SEQ_18	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	Yes
22	HOP_FREQ_SEQ_22	Yes
23	HOP_FREQ_SEQ_23	Yes
24	HOP_FREQ_SEQ_24	No
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 Long Pulse Radar pattern showed in Annex A.3

IEEE 802.11n 40MHz

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	No
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	No
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 %

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	27	4.9u	194.0u	Yes
2	23	4.2u	175.0u	Yes
3	24	4.2u	181.0u	Yes
4	24	4.5u	172.0u	Yes
5	26	4.5u	230.0u	No
6	27	3.9u	151.0u	Yes
7	24	1.7u	185.0u	Yes
8	29	2.2u	164.0u	Yes
9	24	4.5u	207.0u	Yes
10	26	2.5u	194.0u	Yes
11	28	1.3u	229.0u	Yes
12	24	4.8u	159.0u	Yes
13	27	4.5u	188.0u	Yes
14	24	2.6u	171.0u	No
15	27	3.3u	180.0u	Yes
16	25	2.0u	156.0u	Yes
17	27	4.3u	159.0u	Yes
18	27	1.6u	157.0u	Yes
19	25	1.0u	192.0u	Yes
20	27	4.7u	192.0u	Yes
21	27	4.0u	159.0u	Yes
22	26	3.6u	200.0u	Yes
23	27	3.4u	171.0u	Yes
24	24	1.3u	168.0u	Yes
25	23	3.5u	185.0u	Yes
26	23	3.5u	185.0u	Yes
27	24	2.8u	166.0u	Yes
28	23	1.6u	209.0u	Yes
29	24	3.9u	191.0u	Yes
30	26	4.8u	166.0u	Yes
Detection Rate: 93.3 %				

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	8.3u	494.0u	Yes
2	17	6.3u	322.0u	Yes
3	16	8.7u	402.0u	Yes
4	16	7.8u	357.0u	No
5	17	7.9u	416.0u	Yes
6	18	8.4u	227.0u	No
7	16	7.0u	239.0u	Yes
8	18	6.9u	485.0u	Yes
9	18	8.4u	480.0u	Yes
10	16	7.7u	357.0u	Yes
11	18	6.8u	365.0u	Yes
12	17	8.8u	256.0u	Yes
13	17	8.9u	371.0u	Yes
14	17	9.0u	266.0u	Yes
15	18	7.9u	292.0u	Yes
16	16	7.8u	353.0u	Yes
17	18	6.8u	424.0u	Yes
18	16	7.4u	413.0u	Yes
19	17	9.1u	287.0u	Yes
20	16	8.6u	409.0u	Yes
21	18	8.1u	454.0u	Yes
22	18	9.5u	263.0u	No
23	17	8.3u	408.0u	Yes
24	17	9.0u	290.0u	Yes
25	17	9.9u	323.0u	No
26	16	7.8u	233.0u	Yes
27	17	8.8u	257.0u	Yes
28	17	7.9u	299.0u	Yes
29	16	6.2u	319.0u	Yes
30	18	8.3u	367.0u	Yes
				Detection Rate: 86.7 %

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	14	16.5u	421.0u	Yes
2	13	14.0u	265.0u	Yes
3	15	14.0u	389.0u	Yes
4	16	11.1u	377.0u	Yes
5	13	16.3u	373.0u	Yes
6	15	17.1u	350.0u	Yes
7	16	12.5u	263.0u	Yes
8	12	11.9u	292.0u	Yes
9	13	18.8u	356.0u	Yes
10	15	18.5u	365.0u	Yes
11	13	14.6u	239.0u	Yes
12	13	16.9u	468.0u	Yes
13	16	18.3u	477.0u	Yes
14	16	16.0u	248.0u	Yes
15	12	17.4u	362.0u	No
16	12	16.3u	432.0u	Yes
17	16	18.0u	456.0u	Yes
18	16	19.4u	435.0u	No
19	15	11.6u	285.0u	Yes
20	13	17.3u	301.0u	Yes
21	12	12.1u	288.0u	Yes
22	15	11.8u	478.0u	Yes
23	15	17.0u	335.0u	Yes
24	14	19.9u	376.0u	Yes
25	13	17.6u	418.0u	Yes
26	13	13.0u	307.0u	Yes
27	13	12.3u	368.0u	Yes
28	13	18.7u	450.0u	Yes
29	12	15.9u	332.0u	Yes
30	14	15.5u	321.0u	Yes
				Detection Rate: 93.3 %

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	No
8	LP_Signal_08	No
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	Yes
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	No
17	LP_Signal_17	No
18	LP_Signal_18	Yes
19	LP_Signal_19	Yes
20	LP_Signal_20	Yes
21	LP_Signal_21	No
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: 83.3 %

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	No
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	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	Yes
22	HOP_FREQ_SEQ_22	Yes
23	HOP_FREQ_SEQ_23	Yes
24	HOP_FREQ_SEQ_24	Yes
25	HOP_FREQ_SEQ_25	Yes
26	HOP_FREQ_SEQ_26	No
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: 83.3 %

8.2 ANNEX-B

Annex-A2 : 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: 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	84.6u	1.494m	-	260.5m
2	1	7M	56.0u	-	-	111.3m
3	2	9M	80.5u	1.174m	-	853.7m
4	2	6M	55.0u	1.534m	-	918.0m
5	3	10M	70.2u	951.8u	1.413m	30.98m
6	2	20M	77.2u	1.853m	-	389.2m
7	3	20M	66.7u	1.133m	1.901m	311.3m
8	2	18M	74.0u	1.317m	-	82.83m
9	1	15M	88.5u	-	-	864.9m
10	2	13M	90.5u	1.775m	-	704.5m
11	1	9M	90.5u	-	-	847.4m
12	2	14M	83.6u	1.561m	-	457.9m
13	2	12M	93.3u	963.7u	-	742.8m

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	6M	69.2u	1.919m	-	242.4m
2	2	17M	92.0u	1.114m	-	259.0m
3	3	13M	64.1u	1.653m	1.799m	72.55m
4	1	9M	56.0u	-	-	128.2m
5	1	13M	88.3u	-	-	366.3m
6	3	12M	75.2u	1.671m	1.790m	11.61m
7	2	7M	71.4u	1.247m	-	382.5m
8	1	18M	55.4u	-	-	164.9m
9	2	7M	87.4u	1.051m	-	397.1m
10	1	12M	53.8u	-	-	602.6m
11	3	10M	85.9u	1.376m	994.1u	179.1m
12	3	13M	58.7u	1.143m	1.405m	594.7m
13	1	11M	72.0u	-	-	302.7m
14	1	12M	63.5u	-	-	178.0m
15	3	17M	54.9u	1.569m	1.189m	213.1m
16	3	16M	97.2u	1.327m	1.761m	651.7m
17	2	12M	83.8u	1.361m	-	396.4m
18	2	18M	96.3u	1.269m	-	268.5m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
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	1	14M	64.2u	-	-	28.49m
2	2	19M	76.6u	1.327m	-	451.4m
3	2	14M	92.8u	1.733m	-	181.1m
4	2	13M	86.0u	1.576m	-	517.8m
5	2	17M	55.5u	1.043m	-	317.6m
6	2	11M	64.0u	1.089m	-	325.0m
7	1	16M	73.2u	-	-	200.0m
8	1	8M	88.3u	-	-	186.4m
9	1	9M	98.5u	-	-	590.3m
10	3	14M	72.7u	1.173m	1.319m	273.1m
11	2	18M	70.3u	1.524m	-	215.7m
12	3	11M	66.8u	1.725m	1.587m	245.1m
13	2	16M	58.4u	1.874m	-	115.6m
14	2	13M	73.1u	1.293m	-	108.2m
15	1	17M	61.2u	-	-	115.9m
16	3	18M	86.1u	1.524m	1.140m	358.8m
17	2	14M	54.3u	1.739m	-	442.2m
18	1	12M	63.1u	-	-	254.6m
19	1	19M	85.0u	-	-	124.6m
20	2	12M	63.0u	1.407m	-	510.5m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_04 Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	86.8u	-	-	1.377
2	3	5M	98.2u	1.410m	1.594m	120.3m
3	2	18M	70.8u	1.680m	-	1.060
4	2	20M	61.2u	1.122m	-	1.405
5	2	7M	95.0u	1.127m	-	121.4m
6	1	19M	89.2u	-	-	248.7m
7	3	14M	59.7u	1.864m	1.163m	1.137
8	2	7M	65.9u	1.602m	-	1.267

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	17M	55.8u	-	-	593.7m
2	2	15M	99.9u	1.239m	-	482.2m
3	2	17M	79.0u	1.210m	-	668.7m
4	2	15M	77.6u	1.213m	-	201.8m
5	3	9M	68.4u	1.653m	954.6u	323.1m
6	1	15M	80.8u	-	-	232.0m
7	2	6M	78.8u	992.2u	-	903.4m
8	2	12M	68.8u	988.2u	-	39.25m
9	1	11M	70.1u	-	-	181.7m
10	3	5M	77.2u	1.691m	1.026m	437.8m
11	2	16M	70.6u	1.797m	-	627.3m
12	2	16M	64.6u	1.614m	-	548.9m
13	2	18M	73.2u	1.522m	-	867.3m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_06 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	9M	61.1u	1.595m	-	404.7m
2	1	12M	95.0u	-	-	864.8m
3	2	6M	86.5u	1.911m	-	717.5m
4	2	17M	91.6u	1.635m	-	771.7m
5	2	11M	90.6u	1.087m	-	464.4m
6	2	9M	77.3u	1.910m	-	430.9m
7	2	7M	53.8u	1.739m	-	1.272
8	1	5M	74.4u	-	-	1.140
9	1	12M	91.7u	-	-	408.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_07 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	74.6u	-	-	62.69m
2	1	16M	87.0u	-	-	590.8m
3	1	9M	77.1u	-	-	359.7m
4	3	12M	97.3u	1.660m	1.255m	453.5m
5	3	15M	62.9u	1.336m	1.930m	139.1m
6	2	7M	84.9u	916.1u	-	516.1m
7	2	15M	69.5u	938.5u	-	312.9m
8	2	17M	54.0u	1.492m	-	283.3m
9	3	10M	80.6u	1.403m	1.357m	23.14m
10	2	12M	79.6u	1.260m	-	46.23m
11	3	9M	96.7u	1.666m	923.3u	541.5m
12	3	8M	96.2u	1.842m	1.562m	72.34m
13	1	6M	64.6u	-	-	333.8m
14	1	13M	97.9u	-	-	139.0m
15	2	16M	71.9u	1.348m	-	209.8m
16	2	19M	57.8u	1.803m	-	43.96m
17	1	15M	56.2u	-	-	242.7m
18	2	7M	95.6u	1.046m	-	42.97m
19	3	16M	78.8u	1.200m	1.637m	339.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_08 Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	82.2u	1.129m	-	568.1m
2	3	8M	63.2u	1.688m	1.515m	408.5m
3	3	19M	78.0u	1.395m	1.790m	558.1m
4	2	8M	52.5u	1.618m	-	750.2m
5	3	16M	82.7u	1.688m	1.321m	884.5m
6	1	16M	76.1u	-	-	55.12m
7	2	16M	92.7u	1.130m	-	125.5m
8	3	10M	61.6u	1.439m	1.174m	164.6m
9	2	19M	98.8u	1.551m	-	386.9m
10	1	12M	54.7u	-	-	26.29m
11	3	14M	53.6u	964.4u	967.4u	444.3m
12	1	15M	94.7u	-	-	146.7m

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	1	17M	76.8u	-	-	411.2m
2	3	13M	69.9u	1.616m	1.926m	711.3m
3	2	17M	96.7u	1.599m	-	314.1m
4	2	11M	79.4u	949.6u	-	23.56m
5	3	10M	78.5u	1.802m	1.455m	34.22m
6	2	17M	79.7u	1.833m	-	147.0m
7	3	8M	91.9u	1.537m	911.1u	491.2m
8	3	11M	87.9u	1.588m	1.731m	127.5m
9	2	18M	86.7u	1.374m	-	792.2m
10	2	14M	74.2u	1.562m	-	76.72m
11	2	7M	81.4u	1.583m	-	105.8m
12	1	17M	79.7u	-	-	140.8m
13	1	17M	57.8u	-	-	663.1m

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	2	15M	96.1u	1.152m	-	449.4m
2	2	18M	97.0u	1.367m	-	865.4m
3	1	19M	89.3u	-	-	661.3m
4	2	9M	90.5u	955.5u	-	397.6m
5	3	16M	50.6u	1.833m	1.039m	509.4m
6	2	16M	59.1u	1.388m	-	648.9m
7	3	19M	98.0u	1.781m	1.205m	1.082
8	2	19M	66.7u	1.538m	-	769.8m
9	3	17M	82.4u	966.6u	1.512m	212.4m
10	1	20M	98.7u	-	-	418.9m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_11 Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	79.6u	1.213m	-	449.2m
2	3	15M	57.6u	1.552m	1.682m	772.7m
3	2	6M	63.4u	1.907m	-	550.7m
4	3	16M	70.7u	1.210m	1.629m	361.1m
5	2	7M	75.6u	1.769m	-	476.6m
6	1	8M	64.6u	-	-	170.8m
7	2	12M	55.4u	1.943m	-	716.1m
8	2	5M	82.6u	1.617m	-	727.6m
9	2	12M	84.6u	1.584m	-	804.7m
10	2	10M	54.4u	1.065m	-	564.9m
11	3	8M	86.6u	1.479m	1.485m	770.2m
12	1	14M	87.1u	-	-	823.1m
13	1	14M	95.1u	-	-	62.36m
14	1	6M	97.9u	-	-	317.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_12
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	13M	59.3u	1.782m	-	860.5m
2	2	5M	97.1u	1.891m	-	412.5m
3	2	18M	52.1u	1.632m	-	873.2m
4	2	8M	88.8u	1.739m	-	710.8m
5	2	14M	58.9u	1.381m	-	903.5m
6	2	7M	98.6u	937.4u	-	145.5m
7	3	20M	60.5u	955.5u	1.076m	907.8m
8	1	18M	70.9u	-	-	869.5m
9	3	12M	78.3u	1.130m	1.487m	710.8m
10	2	17M	90.6u	1.554m	-	617.2m
11	3	12M	80.7u	1.411m	965.3u	475.6m
12	2	8M	50.5u	1.398m	-	675.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_13 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	6M	86.2u	1.405m	1.661m	74.37m
2	2	18M	93.8u	1.493m	-	673.2m
3	3	13M	86.1u	1.798m	1.286m	715.7m
4	2	18M	71.0u	1.665m	-	143.8m
5	2	17M	52.9u	1.807m	-	326.6m
6	1	5M	60.4u	-	-	83.55m
7	3	7M	91.8u	1.193m	1.564m	9.664m
8	2	15M	58.8u	1.279m	-	437.1m
9	1	8M	78.7u	-	-	622.6m
10	2	11M	80.3u	1.613m	-	442.2m
11	1	17M	86.0u	-	-	136.3m
12	1	20M	97.7u	-	-	35.05m
13	2	20M	99.7u	1.342m	-	474.6m
14	2	15M	93.2u	1.895m	-	622.8m
15	1	17M	67.8u	-	-	279.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_14
Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	73.9u	1.234m	1.622m	498.4m
2	2	7M	75.4u	1.026m	-	14.57m
3	2	8M	96.3u	1.259m	-	343.9m
4	1	9M	82.0u	-	-	449.7m
5	2	17M	96.7u	1.785m	-	224.0m
6	3	16M	51.9u	1.716m	1.618m	130.5m
7	2	14M	74.6u	1.110m	-	131.6m
8	3	15M	71.6u	1.017m	1.790m	48.24m
9	1	13M	92.1u	-	-	348.3m
10	2	13M	72.9u	1.077m	-	395.4m
11	2	12M	94.9u	1.276m	-	549.9m
12	3	9M	59.7u	1.019m	1.161m	582.9m
13	3	15M	89.0u	1.187m	1.191m	124.6m
14	1	5M	56.3u	-	-	292.2m
15	1	16M	83.6u	-	-	567.6m
16	2	15M	56.7u	1.017m	-	420.5m
17	2	16M	82.4u	1.841m	-	545.6m
18	3	9M	88.0u	1.227m	1.102m	223.1m
19	1	15M	77.8u	-	-	129.9m
20	2	8M	90.5u	1.542m	-	38.79m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_15
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	6M	89.2u	-	-	70.37m
2	2	6M	51.9u	1.616m	-	396.6m
3	3	14M	99.0u	1.763m	1.381m	504.8m
4	2	20M	54.8u	1.312m	-	281.9m
5	2	6M	98.4u	1.492m	-	51.83m
6	1	17M	87.2u	-	-	58.72m
7	2	19M	76.3u	1.368m	-	345.5m
8	1	11M	72.4u	-	-	654.5m
9	3	11M	72.8u	1.190m	1.494m	261.8m
10	2	16M	67.7u	1.795m	-	178.3m
11	2	12M	89.8u	1.825m	-	440.5m
12	1	19M	59.7u	-	-	695.4m
13	3	18M	99.2u	1.473m	1.897m	92.14m
14	2	18M	80.2u	1.331m	-	308.7m
15	3	18M	90.6u	1.653m	1.588m	548.3m
16	2	10M	86.9u	1.316m	-	379.5m
17	3	18M	70.5u	1.313m	1.246m	308.9m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_16
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	19M	84.1u	1.642m	-	781.4m
2	1	13M	74.7u	-	-	793.4m
3	3	11M	78.6u	1.144m	1.293m	224.9m
4	2	11M	88.5u	1.263m	-	526.6m
5	1	10M	93.4u	-	-	850.4m
6	2	17M	60.5u	1.483m	-	5.872m
7	1	11M	84.5u	-	-	974.4m
8	2	15M	79.9u	1.221m	-	937.9m
9	3	11M	58.3u	1.624m	1.664m	580.6m
10	3	12M	73.2u	1.120m	931.8u	835.9m
11	3	13M	89.8u	1.523m	1.216m	438.2m
12	3	10M	82.9u	945.1u	1.070m	263.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_17
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	72.5u	-	-	133.6m
2	3	10M	50.2u	1.902m	1.030m	282.1m
3	3	10M	84.5u	1.027m	1.675m	249.7m
4	1	8M	84.6u	-	-	38.95m
5	3	17M	91.4u	1.104m	1.582m	467.2m
6	1	11M	67.5u	-	-	217.2m
7	2	18M	86.6u	1.863m	-	521.8m
8	1	15M	99.0u	-	-	572.1m
9	2	18M	57.0u	1.128m	-	116.4m
10	2	7M	54.6u	1.288m	-	287.2m
11	2	15M	63.2u	1.859m	-	272.3m
12	1	14M	90.6u	-	-	230.5m
13	3	18M	51.6u	979.4u	1.562m	335.9m
14	1	20M	79.0u	-	-	28.48m
15	2	8M	75.6u	939.4u	-	95.07m
16	3	19M	50.1u	1.743m	1.317m	90.74m
17	2	6M	89.0u	1.027m	-	140.8m
18	2	10M	60.4u	1.712m	-	370.8m
19	3	13M	59.8u	1.878m	1.544m	505.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_18
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	20M	72.3u	1.733m	-	12.35m
2	1	13M	54.3u	-	-	1.111
3	2	14M	61.2u	1.192m	-	181.9m
4	2	6M	71.2u	1.540m	-	362.9m
5	1	6M	63.7u	-	-	74.03m
6	1	14M	59.1u	-	-	701.2m
7	2	19M	56.3u	1.860m	-	73.80m
8	3	13M	96.2u	1.059m	1.899m	239.4m
9	1	17M	94.7u	-	-	811.4m
10	3	17M	97.4u	1.500m	1.469m	715.3m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	99.0u	1.509m	-	200.5m
2	1	17M	72.9u	-	-	253.4m
3	2	9M	53.1u	1.747m	-	81.95m
4	3	9M	82.2u	1.412m	1.305m	494.4m
5	1	16M	98.5u	-	-	738.3m
6	2	17M	86.5u	1.259m	-	275.4m
7	2	13M	56.5u	962.5u	-	722.8m
8	3	9M	87.2u	1.038m	975.8u	304.0m
9	1	16M	99.3u	-	-	17.30m
10	2	11M	86.1u	1.318m	-	559.8m
11	1	6M	70.4u	-	-	744.6m
12	1	6M	53.7u	-	-	789.3m
13	2	9M	80.2u	1.880m	-	487.9m
14	2	18M	85.1u	957.9u	-	322.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_20 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	14M	72.1u	1.867m	-	800.5m
2	3	17M	96.6u	1.882m	1.408m	426.3m
3	1	12M	82.7u	-	-	982.7m
4	3	9M	62.8u	1.294m	1.403m	339.3m
5	2	16M	82.5u	1.027m	-	922.2m
6	1	10M	66.5u	-	-	67.16m
7	2	19M	74.9u	1.078m	-	463.0m
8	2	6M	90.5u	1.690m	-	806.2m
9	1	11M	55.9u	-	-	44.31m
10	3	13M	90.4u	1.818m	1.299m	400.2m
11	2	16M	82.6u	1.730m	-	244.1m
12	2	9M	76.7u	1.289m	-	814.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_21
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	17M	93.3u	1.717m	1.884m	617.4m
2	2	6M	94.5u	1.426m	-	115.0m
3	3	19M	58.1u	1.537m	1.152m	330.6m
4	2	13M	90.3u	1.150m	-	308.6m
5	1	12M	93.9u	-	-	769.4m
6	3	10M	50.9u	1.320m	1.812m	346.6m
7	2	7M	83.1u	1.782m	-	768.1m
8	1	18M	84.5u	-	-	78.83m
9	2	11M	92.7u	1.388m	-	671.4m
10	3	6M	71.3u	1.749m	1.062m	162.6m
11	1	5M	52.2u	-	-	715.4m
12	1	8M	82.8u	-	-	628.6m
13	3	19M	87.9u	1.030m	1.762m	655.8m
14	3	12M	60.2u	1.150m	1.540m	636.7m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_22 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	2	12M	85.0u	1.258m	-	778.2m
2	2	8M	93.7u	1.408m	-	215.0m
3	2	14M	91.2u	1.857m	-	18.00m
4	2	12M	78.2u	1.270m	-	38.95m
5	2	5M	56.3u	1.628m	-	402.7m
6	2	9M	93.6u	1.460m	-	361.9m
7	2	10M	69.2u	1.554m	-	887.1m
8	2	16M	63.8u	1.406m	-	1.015
9	2	15M	76.5u	1.088m	-	828.6m
10	1	17M	67.0u	-	-	550.5m
11	2	12M	86.3u	1.437m	-	254.4m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_23 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	85.7u	1.755m	1.246m	551.7m
2	2	16M	67.1u	1.273m	-	361.6m
3	1	8M	78.9u	-	-	1.032
4	1	19M	67.8u	-	-	767.1m
5	3	11M	98.6u	1.731m	1.557m	126.4m
6	1	12M	69.2u	-	-	300.2m
7	3	9M	90.6u	1.653m	1.077m	458.0m
8	2	17M	97.9u	1.334m	-	923.0m
9	1	6M	88.7u	-	-	400.1m
10	3	18M	88.8u	1.265m	1.543m	174.7m

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	2	17M	65.6u	1.338m	-	432.6m
2	3	12M	84.8u	1.440m	1.487m	136.8m
3	2	16M	63.0u	1.367m	-	239.5m
4	1	7M	77.7u	-	-	486.6m
5	1	20M	64.9u	-	-	205.5m
6	3	8M	51.7u	1.060m	1.683m	829.4m
7	2	6M	83.0u	1.134m	-	36.84m
8	1	8M	71.0u	-	-	326.2m
9	2	7M	80.4u	1.092m	-	920.2m
10	2	16M	66.3u	981.7u	-	456.2m
11	3	5M	53.9u	1.420m	1.877m	369.7m
12	1	15M	79.1u	-	-	7.804m
13	2	17M	54.7u	1.931m	-	486.5m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_25 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	7M	79.8u	1.154m	-	1.477
2	2	12M	70.6u	1.582m	-	1.018
3	2	16M	78.9u	1.919m	-	440.8m
4	3	7M	69.5u	994.5u	1.231m	700.7m
5	1	12M	74.6u	-	-	307.5m
6	2	10M	81.6u	1.411m	-	12.61m
7	2	16M	65.6u	1.479m	-	1.481
8	2	9M	77.4u	1.097m	-	646.3m

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	2	11M	70.0u	1.573m	-	88.29m
2	2	16M	80.1u	1.450m	-	207.2m
3	2	8M	71.1u	1.307m	-	211.2m
4	2	7M	81.6u	1.352m	-	927.7m
5	2	15M	75.1u	1.015m	-	291.4m
6	1	8M	64.4u	-	-	476.5m
7	3	18M	94.6u	1.698m	1.530m	148.2m
8	1	6M	96.2u	-	-	290.0m
9	2	8M	54.2u	1.075m	-	1.099
10	3	18M	61.3u	1.370m	994.7u	652.9m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_27 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	2	19M	59.5u	1.837m	-	73.03m
2	3	10M	93.3u	1.348m	981.7u	585.8m
3	3	7M	77.9u	1.419m	1.831m	451.6m
4	2	18M	89.9u	1.063m	-	531.6m
5	1	18M	56.8u	-	-	528.2m
6	3	8M	90.1u	1.904m	1.121m	608.2m
7	2	8M	91.2u	1.348m	-	295.4m
8	2	18M	91.5u	1.027m	-	846.5m
9	3	6M	73.8u	1.662m	1.219m	378.4m
10	3	8M	99.6u	962.4u	1.834m	48.10m
11	2	12M	90.5u	1.252m	-	1.013

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_28
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	14M	53.6u	1.656m	-	170.7m
2	2	7M	72.8u	1.130m	-	197.1m
3	2	7M	51.8u	1.445m	-	108.7m
4	2	15M	85.1u	1.195m	-	49.33m
5	2	8M	61.2u	1.355m	-	133.5m
6	2	8M	59.9u	1.089m	-	50.71m
7	3	19M	92.2u	1.457m	1.350m	122.2m
8	1	16M	83.4u	-	-	24.73m
9	2	7M	97.1u	1.447m	-	567.6m
10	2	14M	69.8u	1.643m	-	415.8m
11	3	12M	79.0u	1.616m	1.317m	299.2m
12	2	19M	73.8u	1.368m	-	202.7m
13	2	9M	91.3u	1.316m	-	177.0m
14	2	19M	95.2u	1.376m	-	432.5m
15	2	10M	95.8u	1.362m	-	462.2m
16	2	17M	66.3u	1.259m	-	279.6m
17	1	11M	87.6u	-	-	98.00u
18	2	15M	86.0u	1.809m	-	270.2m
19	1	10M	58.6u	-	-	241.3m
20	2	5M	57.2u	1.735m	-	418.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_29
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	7M	59.1u	1.873m	-	888.5m
2	3	10M	99.0u	1.192m	1.336m	369.9m
3	1	6M	76.4u	-	-	1.149
4	2	10M	56.1u	1.251m	-	1.110
5	3	13M	59.9u	1.326m	1.655m	211.1m
6	1	11M	56.4u	-	-	168.9m
7	1	15M	83.7u	-	-	787.0m
8	2	16M	61.7u	1.455m	-	279.4m
9	2	6M	91.9u	943.1u	-	37.05m
10	2	8M	99.1u	1.538m	-	1.095

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
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	83.7u	1.813m	-	459.8m
2	3	9M	93.0u	1.653m	1.072m	494.7m
3	3	14M	54.8u	1.817m	1.527m	202.8m
4	3	6M	55.4u	1.699m	1.407m	453.3m
5	3	18M	75.4u	1.287m	1.701m	913.1m
6	1	16M	94.8u	-	-	621.8m
7	3	11M	87.6u	1.172m	1.900m	714.4m
8	3	7M	66.7u	980.3u	1.154m	709.3m
9	3	15M	75.1u	1.641m	1.185m	299.7m
10	1	18M	92.2u	-	-	253.4m
11	3	17M	71.3u	1.829m	1.462m	239.1m
12	3	10M	76.2u	1.366m	1.910m	183.7m
13	3	6M	52.5u	960.5u	1.805m	555.8m

IEEE 802.11n 40MHz.

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_01 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	16M	68.1u	1.638m	1.025m	749.0m
2	3	10M	76.4u	1.895m	1.496m	950.2m
3	2	16M	71.8u	1.326m	-	48.83m
4	2	18M	51.7u	1.698m	-	240.4m
5	3	8M	77.2u	1.100m	1.620m	800.9m
6	2	16M	67.9u	1.270m	-	639.4m
7	3	11M	71.8u	1.619m	1.350m	68.46m
8	1	12M	96.8u	-	-	218.5m
9	3	10M	99.4u	1.295m	1.413m	244.1m
10	3	7M	97.1u	1.195m	914.9u	743.1m
11	2	6M	79.2u	1.803m	-	801.1m
12	3	18M	57.6u	1.094m	1.815m	716.9m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_02 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	12M	82.6u	1.546m	-	599.1m
2	3	10M	67.7u	1.156m	970.3u	499.8m
3	2	10M	94.3u	1.849m	-	573.0m
4	1	9M	59.3u	-	-	49.16m
5	1	9M	86.1u	-	-	124.1m
6	3	8M	78.6u	1.020m	1.263m	550.2m
7	1	13M	74.8u	-	-	321.0m
8	3	9M	79.2u	1.915m	1.786m	420.4m
9	1	7M	82.9u	-	-	488.8m
10	1	6M	65.2u	-	-	59.60m
11	1	12M	72.2u	-	-	270.7m
12	2	18M	78.7u	1.566m	-	276.6m
13	2	18M	83.9u	1.377m	-	158.2m
14	3	7M	70.2u	1.223m	1.648m	330.9m
15	3	14M	95.4u	1.152m	1.360m	319.0m
16	1	7M	91.9u	-	-	129.2m
17	1	17M	87.6u	-	-	276.5m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_03 Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	51.9u	1.644m	-	312.4m
2	2	13M	91.2u	1.254m	-	593.0m
3	2	14M	96.0u	1.699m	-	524.4m
4	1	16M	98.9u	-	-	203.1m
5	2	16M	91.9u	1.706m	-	806.1m
6	2	12M	50.8u	1.782m	-	689.8m
7	2	20M	55.1u	1.632m	-	424.6m
8	2	12M	80.7u	1.149m	-	792.1m
9	2	14M	55.2u	1.426m	-	10.73m
10	2	15M	63.0u	1.927m	-	761.9m
11	3	8M	57.5u	1.618m	1.350m	546.5m
12	1	12M	86.9u	-	-	629.3m
13	3	14M	54.4u	1.087m	1.728m	117.2m
14	2	18M	91.3u	1.354m	-	192.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	63.0u	-	-	39.54m
2	1	19M	51.8u	-	-	503.4m
3	2	5M	57.1u	1.772m	-	635.8m
4	1	16M	62.3u	-	-	452.2m
5	2	8M	51.8u	1.283m	-	181.5m
6	2	14M	83.3u	937.7u	-	210.6m
7	2	7M	55.5u	967.5u	-	690.9m
8	1	17M	65.2u	-	-	98.26m
9	3	9M	83.3u	1.552m	1.333m	206.8m
10	2	15M	61.2u	1.603m	-	984.3m
11	1	10M	90.6u	-	-	358.8m
12	2	8M	55.4u	1.684m	-	222.8m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_05 Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	74.1u	1.718m	-	278.1m
2	2	20M	57.5u	1.830m	-	266.5m
3	2	11M	67.7u	1.000m	-	106.1m
4	2	17M	72.3u	982.7u	-	275.7m
5	1	6M	82.3u	-	-	850.6m
6	2	5M	95.7u	915.3u	-	369.3m
7	1	15M	86.2u	-	-	99.94m
8	3	10M	76.8u	1.777m	1.476m	850.4m
9	3	13M	94.5u	938.5u	1.704m	646.9m
10	1	6M	92.1u	-	-	686.8m
11	3	15M	72.3u	1.641m	1.248m	851.0m
12	3	15M	66.3u	1.658m	1.834m	873.4m
13	3	9M	96.2u	1.676m	1.898m	804.3m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_06 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	14M	62.1u	1.092m	1.475m	364.4m
2	3	19M	80.4u	1.168m	1.824m	28.11m
3	2	15M	65.6u	1.227m	-	587.8m
4	1	7M	51.1u	-	-	347.8m
5	3	20M	53.0u	1.478m	1.882m	322.2m
6	2	17M	79.0u	1.706m	-	659.6m
7	3	6M	80.9u	1.846m	1.416m	406.2m
8	2	12M	53.3u	1.210m	-	492.7m
9	2	5M	70.2u	1.055m	-	266.8m
10	2	11M	90.4u	1.762m	-	98.32m
11	3	6M	85.0u	1.293m	1.640m	505.9m
12	2	18M	52.3u	1.505m	-	105.0m
13	2	12M	69.2u	1.556m	-	490.8m
14	2	9M	80.5u	1.012m	-	260.8m
15	3	15M	74.5u	1.857m	1.914m	653.7m
16	3	19M	93.9u	1.368m	1.111m	60.86m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_07 Number of Bursts in Trial: 11						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	58.1u	1.905m	-	720.4m
2	2	7M	76.6u	1.503m	-	156.2m
3	1	5M	69.8u	-	-	505.5m
4	3	19M	87.1u	1.351m	1.317m	116.7m
5	2	6M	53.8u	1.446m	-	416.4m
6	1	12M	94.2u	-	-	22.89m
7	2	15M	82.3u	1.587m	-	331.7m
8	1	20M	91.4u	-	-	700.5m
9	2	17M	77.0u	950.0u	-	2.095m
10	2	13M	96.9u	1.344m	-	1.038
11	3	16M	97.8u	1.328m	1.143m	395.9m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_08 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	82.0u	-	-	352.6m
2	2	20M	51.8u	1.457m	-	722.6m
3	1	7M	87.1u	-	-	306.7m
4	2	20M	80.8u	1.134m	-	1.075
5	1	8M	73.4u	-	-	1.101
6	1	5M	73.5u	-	-	553.0m
7	2	5M	56.1u	1.516m	-	13.22m
8	1	12M	62.4u	-	-	116.2m
9	1	7M	70.0u	-	-	707.0m
10	3	5M	88.6u	1.266m	1.445m	380.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_09 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	12M	99.7u	1.072m	-	702.0m
2	2	12M	57.2u	1.360m	-	730.8m
3	2	16M	65.7u	1.590m	-	464.1m
4	1	5M	93.1u	-	-	559.4m
5	2	12M	93.8u	1.507m	-	532.9m
6	2	15M	65.7u	1.714m	-	529.1m
7	2	13M	97.1u	1.303m	-	324.8m
8	2	20M	97.5u	1.783m	-	366.3m
9	2	11M	54.7u	1.167m	-	749.5m
10	3	11M	75.9u	1.502m	1.533m	91.79m
11	2	11M	53.5u	1.147m	-	707.1m
12	2	9M	77.0u	1.816m	-	446.7m
13	2	12M	81.9u	1.501m	-	607.5m
14	2	15M	90.0u	1.621m	-	250.7m
15	3	11M	58.2u	1.108m	1.704m	383.0m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_10 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	19M	72.7u	-	-	1.263
2	2	10M	66.4u	1.534m	-	399.0m
3	2	10M	82.9u	1.203m	-	572.7m
4	1	17M	55.1u	-	-	337.0m
5	3	6M	71.2u	1.515m	1.875m	999.1m
6	2	18M	63.5u	1.530m	-	1.159
7	3	16M	94.8u	1.575m	1.048m	1.173
8	3	10M	58.9u	1.508m	1.838m	894.2m
9	2	9M	98.5u	1.474m	-	22.67m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_11 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	14M	74.2u	1.570m	969.8u	204.6m
2	3	13M	63.1u	1.589m	1.494m	605.6m
3	1	19M	67.1u	-	-	58.73m
4	1	11M	69.5u	-	-	61.70m
5	2	14M	63.1u	1.804m	-	448.7m
6	2	19M	80.6u	1.174m	-	943.0m
7	3	7M	90.8u	1.128m	998.2u	888.0m
8	1	6M	79.3u	-	-	307.6m
9	1	15M	84.5u	-	-	608.8m
10	2	12M	60.8u	1.054m	-	461.1m
11	2	9M	80.3u	1.428m	-	918.1m
12	2	15M	55.6u	1.103m	-	476.8m

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	2	19M	61.6u	1.536m	-	1.003
2	1	7M	83.8u	-	-	1.039
3	2	17M	71.2u	1.261m	-	1.208
4	1	8M	74.1u	-	-	17.72m
5	1	16M	65.9u	-	-	935.1m
6	1	8M	67.6u	-	-	581.3m
7	2	14M	94.6u	1.704m	-	42.84m
8	2	13M	67.9u	1.098m	-	1.007
9	3	20M	52.6u	956.4u	1.583m	690.3m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_13 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	77.3u	-	-	384.4m
2	2	14M	85.3u	1.829m	-	720.9m
3	3	14M	96.6u	1.110m	1.349m	342.4m
4	2	17M	81.3u	1.676m	-	668.1m
5	1	17M	88.2u	-	-	492.6m
6	2	10M	72.7u	1.048m	-	581.9m
7	1	18M	72.2u	-	-	151.1m
8	2	20M	88.7u	1.256m	-	650.0m
9	3	10M	94.4u	954.6u	1.517m	457.0m
10	3	19M	93.2u	1.764m	996.8u	341.0m
11	1	19M	56.9u	-	-	66.48m
12	2	12M	80.7u	1.468m	-	692.5m
13	2	14M	90.2u	1.423m	-	314.0m
14	2	18M	77.4u	1.263m	-	131.5m
15	3	8M	52.6u	1.163m	1.772m	102.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_14 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	10M	65.4u	-	-	637.1m
2	2	19M	61.1u	1.225m	-	624.6m
3	1	10M	50.2u	-	-	631.5m
4	2	14M	78.3u	1.636m	-	224.3m
5	3	6M	57.5u	1.419m	1.584m	284.7m
6	2	18M	56.8u	1.428m	-	434.1m
7	2	5M	94.0u	1.290m	-	605.7m
8	3	15M	81.7u	1.878m	937.3u	245.8m
9	3	19M	87.0u	950.0u	1.902m	130.3m
10	1	15M	65.0u	-	-	108.4m
11	2	20M	56.6u	1.067m	-	281.6m
12	3	7M	56.9u	1.736m	1.508m	720.1m
13	2	20M	53.0u	980.0u	-	541.7m
14	3	6M	81.3u	936.7u	1.504m	441.8m
15	3	19M	63.8u	1.494m	1.874m	278.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_15
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	52.3u	1.810m	-	288.8m
2	2	13M	96.6u	1.889m	-	531.6m
3	1	15M	73.3u	-	-	640.7m
4	3	8M	90.9u	980.1u	1.551m	378.7m
5	3	8M	90.8u	1.202m	1.581m	895.4m
6	2	7M	77.3u	1.882m	-	801.4m
7	1	14M	75.6u	-	-	496.6m
8	2	18M	71.3u	1.879m	-	819.7m
9	1	14M	75.5u	-	-	823.8m
10	3	10M	65.0u	1.692m	1.232m	151.4m
11	1	7M	96.8u	-	-	424.8m
12	1	8M	70.0u	-	-	765.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_16
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	87.6u	1.480m	1.377m	336.4m
2	1	15M	99.4u	-	-	632.1m
3	1	11M	64.8u	-	-	65.20m
4	2	16M	59.5u	961.5u	-	853.4m
5	1	10M	87.8u	-	-	160.6m
6	1	11M	79.1u	-	-	459.3m
7	3	18M	77.8u	1.011m	1.010m	965.7m
8	1	13M	98.5u	-	-	537.6m
9	2	8M	63.2u	1.757m	-	101.9m
10	3	9M	98.6u	1.658m	1.648m	132.2m
11	2	16M	85.0u	1.548m	-	530.2m
12	2	18M	93.8u	972.2u	-	613.1m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_17 Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	81.9u	1.046m	-	152.1m
2	2	10M	97.6u	1.591m	-	42.41m
3	1	8M	67.6u	-	-	191.3m
4	1	9M	78.0u	-	-	727.6m
5	2	14M	96.9u	1.641m	-	256.2m
6	3	14M	96.5u	953.5u	1.525m	154.2m
7	2	16M	89.7u	961.3u	-	786.8m
8	1	6M	92.3u	-	-	424.9m
9	2	5M	60.2u	1.722m	-	787.2m
10	3	19M	83.6u	1.081m	946.4u	307.8m
11	2	9M	71.5u	1.156m	-	597.9m
12	1	15M	71.4u	-	-	120.9m
13	2	10M	50.3u	1.527m	-	788.9m
14	1	13M	71.5u	-	-	546.6m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_18 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	10M	78.0u	1.675m	-	39.62m
2	3	12M	93.0u	1.023m	1.769m	488.4m
3	3	8M	84.3u	1.595m	1.393m	1.265
4	1	14M	92.7u	-	-	1.309
5	2	10M	63.1u	1.027m	-	551.2m
6	1	13M	67.3u	-	-	498.6m
7	2	16M	54.3u	1.370m	-	489.7m
8	1	8M	52.1u	-	-	1.048
9	3	16M	83.4u	1.382m	1.776m	1.095

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	9M	60.4u	1.213m	-	639.1m
2	2	11M	58.5u	1.016m	-	113.5m
3	3	7M	97.4u	1.432m	989.6u	82.74m
4	2	17M	51.8u	1.572m	-	235.0m
5	2	5M	55.0u	1.201m	-	321.5m
6	1	18M	64.0u	-	-	217.0m
7	1	19M	69.7u	-	-	300.2m
8	1	6M	92.8u	-	-	353.1m
9	3	17M	71.8u	1.476m	1.073m	664.3m
10	2	8M	66.2u	1.617m	-	475.2m
11	2	9M	86.1u	1.290m	-	54.57m
12	3	9M	60.6u	1.448m	1.330m	554.7m
13	1	17M	56.8u	-	-	434.7m
14	2	8M	93.4u	1.225m	-	571.8m
15	2	6M	89.0u	1.586m	-	310.7m
16	1	12M	59.5u	-	-	486.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_20
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	60.1u	1.721m	-	541.0m
2	2	15M	52.3u	1.500m	-	544.5m
3	2	15M	87.3u	1.877m	-	56.92m
4	3	7M	98.2u	1.516m	1.299m	421.9m
5	1	17M	88.2u	-	-	186.5m
6	3	12M	67.1u	1.588m	1.072m	257.3m
7	2	19M	50.4u	1.317m	-	339.9m
8	3	15M	71.1u	1.785m	1.152m	450.1m
9	1	17M	83.8u	-	-	549.2m
10	3	19M	61.0u	1.304m	1.571m	270.4m
11	3	5M	94.1u	1.051m	1.398m	464.2m
12	2	19M	76.4u	931.6u	-	548.5m
13	3	7M	63.8u	1.573m	1.787m	794.4m
14	3	7M	74.8u	1.629m	1.843m	689.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_21
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	10M	55.8u	1.938m	1.925m	273.0m
2	2	6M	98.1u	1.031m	-	309.7m
3	2	19M	69.7u	1.270m	-	301.5m
4	2	18M	95.1u	1.286m	-	562.4m
5	1	16M	61.7u	-	-	404.8m
6	2	19M	51.3u	1.740m	-	170.9m
7	2	9M	56.9u	1.452m	-	299.0m
8	2	10M	80.9u	1.445m	-	67.60m
9	3	6M	73.5u	1.210m	1.506m	422.1m
10	2	11M	72.3u	1.639m	-	58.11m
11	2	14M	60.9u	1.683m	-	432.9m
12	2	11M	77.4u	938.6u	-	150.2m
13	2	6M	66.8u	1.415m	-	156.6m
14	1	11M	86.9u	-	-	557.4m
15	1	8M	70.4u	-	-	435.9m
16	3	7M	79.9u	1.511m	1.702m	190.9m
17	1	10M	85.0u	-	-	41.59m
18	2	13M	71.9u	1.742m	-	328.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_22
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	10M	99.8u	1.509m	-	394.8m
2	2	7M	94.6u	1.846m	-	697.9m
3	2	6M	93.1u	1.095m	-	807.6m
4	3	16M	79.8u	1.516m	1.022m	673.3m
5	2	15M	64.4u	1.206m	-	515.7m
6	1	9M	80.4u	-	-	596.3m
7	3	19M	72.6u	1.508m	1.779m	735.6m
8	2	12M	77.8u	1.580m	-	165.7m
9	3	13M	95.0u	954.0u	1.067m	122.7m
10	2	8M	51.9u	1.537m	-	792.7m
11	2	16M	77.7u	1.805m	-	423.3m
12	2	15M	75.7u	1.777m	-	462.0m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_23 Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	89.9u	1.601m	-	616.6m
2	2	10M	76.3u	1.899m	-	568.7m
3	3	13M	55.1u	1.142m	1.683m	341.3m
4	2	7M	97.6u	1.140m	-	416.6m
5	2	14M	65.2u	1.498m	-	163.5m
6	3	19M	92.5u	1.221m	1.230m	53.13m
7	2	18M	77.1u	1.734m	-	787.4m
8	2	18M	73.4u	1.329m	-	36.61m
9	3	18M	79.2u	1.467m	1.762m	9.369m
10	2	17M	98.8u	1.318m	-	164.7m
11	2	16M	79.8u	1.256m	-	57.96m
12	1	5M	75.1u	-	-	195.7m
13	3	7M	61.1u	956.9u	1.042m	705.3m
14	1	11M	82.8u	-	-	294.2m
15	2	6M	95.0u	1.793m	-	559.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_24 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	14M	93.9u	1.593m	-	569.5m
2	3	9M	90.3u	1.049m	1.603m	211.9m
3	2	7M	78.8u	1.084m	-	83.96m
4	3	19M	97.4u	1.282m	1.770m	70.17m
5	3	12M	83.6u	1.855m	1.742m	468.1m
6	1	9M	52.9u	-	-	733.3m
7	2	16M	93.6u	1.413m	-	65.41m
8	1	14M	72.2u	-	-	476.5m
9	1	7M	51.0u	-	-	205.6m
10	1	9M	84.3u	-	-	733.7m
11	2	19M	71.2u	972.8u	-	210.5m
12	1	18M	56.8u	-	-	175.2m
13	2	18M	97.5u	1.528m	-	214.2m
14	3	17M	99.5u	1.187m	928.5u	370.8m
15	3	12M	56.1u	1.848m	1.681m	81.38m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_25
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	18M	63.2u	1.520m	1.198m	74.81m
2	2	8M	74.9u	1.282m	-	235.8m
3	3	6M	59.5u	1.076m	1.151m	202.8m
4	3	11M	57.0u	1.436m	1.603m	110.1m
5	2	10M	74.7u	1.736m	-	318.3m
6	2	12M	81.5u	955.5u	-	391.8m
7	2	14M	65.1u	1.158m	-	622.6m
8	2	12M	60.8u	1.927m	-	332.0m
9	2	20M	64.7u	1.474m	-	264.7m
10	3	7M	58.2u	1.330m	1.130m	315.4m
11	2	17M	92.6u	1.280m	-	167.1m
12	1	8M	56.8u	-	-	470.6m
13	3	6M	93.3u	1.700m	1.121m	462.8m
14	3	16M	60.5u	1.128m	1.729m	254.7m
15	2	16M	96.5u	1.087m	-	464.5m
16	1	16M	70.1u	-	-	473.7m
17	1	14M	67.8u	-	-	155.5m
18	2	9M	92.5u	1.089m	-	622.7m
19	2	19M	97.4u	1.856m	-	236.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	14M	99.5u	1.027m	1.112m	771.1m
2	2	10M	76.5u	1.330m	-	794.4m
3	2	6M	75.2u	1.911m	-	601.3m
4	2	16M	58.5u	1.540m	-	202.7m
5	3	16M	51.2u	1.878m	1.927m	777.8m
6	2	17M	58.0u	1.829m	-	380.3m
7	2	15M	59.4u	1.519m	-	429.8m
8	2	15M	65.6u	1.704m	-	26.12m
9	3	8M	89.1u	1.367m	1.352m	755.8m
10	3	8M	79.3u	958.7u	1.576m	653.7m
11	2	16M	85.5u	1.259m	-	627.8m
12	3	5M	81.1u	1.169m	1.697m	557.9m
13	3	7M	71.4u	1.218m	1.809m	784.4m
14	1	14M	60.7u	-	-	138.2m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_27 Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	11M	63.0u	-	-	455.9m
2	2	18M	73.9u	1.088m	-	827.6m
3	1	9M	98.8u	-	-	304.1m
4	1	12M	88.2u	-	-	468.6m
5	2	6M	83.1u	1.828m	-	527.7m
6	2	18M	60.0u	1.678m	-	959.6m
7	2	19M	62.5u	1.586m	-	866.2m
8	1	12M	55.6u	-	-	874.3m
9	3	8M	57.4u	1.939m	1.465m	176.2m
10	1	20M	77.0u	-	-	988.7m
11	3	14M	70.2u	1.366m	1.200m	432.5m
12	1	16M	70.8u	-	-	81.54m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_28 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	51.7u	1.100m	-	87.95m
2	2	14M	65.5u	1.367m	-	8.268m
3	2	12M	88.8u	1.305m	-	284.9m
4	1	9M	58.5u	-	-	699.1m
5	3	9M	59.9u	1.835m	1.486m	732.0m
6	2	18M	87.8u	1.075m	-	982.9m
7	2	9M	95.0u	1.577m	-	666.1m
8	1	18M	50.4u	-	-	725.4m
9	2	19M	90.3u	1.339m	-	457.1m
10	2	6M	64.3u	1.051m	-	41.94m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_29
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	63.5u	968.5u	1.680m	365.5m
2	2	9M	70.9u	1.247m	-	821.0m
3	2	6M	69.1u	1.444m	-	815.5m
4	2	11M	72.2u	1.135m	-	350.0m
5	3	15M	73.0u	1.134m	1.752m	1.071
6	2	16M	55.0u	1.114m	-	478.1m
7	2	16M	91.5u	1.638m	-	879.7m
8	3	12M	88.9u	1.004m	1.455m	1.013
9	2	10M	60.0u	1.681m	-	584.6m
10	1	13M	93.3u	-	-	742.8m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_30 Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	73.8u	1.789m	1.592m	291.7m
2	2	16M	74.3u	987.7u	-	187.9m
3	3	13M	86.8u	998.2u	1.667m	794.6m
4	3	20M	50.6u	1.196m	1.831m	497.4m
5	1	15M	71.5u	-	-	651.0m
6	1	19M	62.5u	-	-	476.5m
7	1	13M	82.4u	-	-	586.8m
8	2	13M	76.9u	1.641m	-	348.2m
9	3	6M	67.2u	1.307m	1.915m	740.1m
10	3	6M	54.4u	1.420m	1.313m	362.4m
11	3	9M	82.8u	1.170m	1.297m	563.9m
12	2	11M	92.1u	1.746m	-	145.9m
13	2	11M	70.3u	967.7u	-	532.8m
14	2	6M	99.1u	1.001m	-	118.1m
15	3	14M	55.9u	1.273m	1.873m	176.8m

8.3 ANNEX-C

Annex-A3 : 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	5.657G	2	5.719G	3	5.502G	4	5.488G
5	5.318G	6	5.681G	7	5.489G	8	5.500G
9	5.362G	10	5.453G	11	5.601G	12	5.498G
13	5.702G	14	5.413G	15	5.571G	16	5.654G
17	5.432G	18	5.303G	19	5.436G	20	5.669G
21	5.358G	22	5.611G	23	5.290G	24	5.402G
25	5.555G	26	5.459G	27	5.470G	28	5.463G
29	5.705G	30	5.265G	31	5.378G	32	5.721G
33	5.713G	34	5.271G	35	5.513G	36	5.309G
37	5.606G	38	5.285G	39	5.599G	40	5.385G
41	5.560G	42	5.259G	43	5.646G	44	5.541G
45	5.617G	46	5.696G	47	5.643G	48	5.508G
49	5.496G	50	5.296G	51	5.716G	52	5.631G
53	5.292G	54	5.663G	55	5.301G	56	5.343G
57	5.312G	58	5.562G	59	5.410G	60	5.345G
61	5.486G	62	5.511G	63	5.497G	64	5.709G
65	5.322G	66	5.499G	67	5.613G	68	5.336G
69	5.677G	70	5.305G	71	5.335G	72	5.361G
73	5.642G	74	5.659G	75	5.422G	76	5.533G
77	5.269G	78	5.287G	79	5.376G	80	5.400G
81	5.537G	82	5.568G	83	5.277G	84	5.676G
85	5.320G	86	5.477G	87	5.460G	88	5.591G
89	5.354G	90	5.485G	91	5.667G	92	5.514G
93	5.419G	94	5.649G	95	5.395G	96	5.675G
97	5.553G	98	5.658G	99	5.561G	100	5.434G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.313G	2	5.642G	3	5.350G	4	5.655G
5	5.455G	6	5.333G	7	5.513G	8	5.395G
9	5.371G	10	5.691G	11	5.537G	12	5.340G
13	5.300G	14	5.555G	15	5.388G	16	5.327G
17	5.547G	18	5.449G	19	5.670G	20	5.368G
21	5.519G	22	5.434G	23	5.413G	24	5.269G
25	5.574G	26	5.331G	27	5.638G	28	5.456G
29	5.608G	30	5.675G	31	5.594G	32	5.316G
33	5.344G	34	5.710G	35	5.261G	36	5.448G
37	5.475G	38	5.516G	39	5.501G	40	5.273G
41	5.370G	42	5.315G	43	5.583G	44	5.347G
45	5.317G	46	5.497G	47	5.696G	48	5.585G
49	5.700G	50	5.291G	51	5.712G	52	5.451G
53	5.706G	54	5.374G	55	5.301G	56	5.520G
57	5.599G	58	5.445G	59	5.328G	60	5.318G
61	5.535G	62	5.323G	63	5.432G	64	5.307G
65	5.267G	66	5.641G	67	5.427G	68	5.682G
69	5.384G	70	5.518G	71	5.630G	72	5.385G
73	5.466G	74	5.525G	75	5.582G	76	5.694G
77	5.681G	78	5.658G	79	5.259G	80	5.632G
81	5.482G	82	5.471G	83	5.480G	84	5.546G
85	5.609G	86	5.457G	87	5.338G	88	5.528G
89	5.380G	90	5.610G	91	5.592G	92	5.695G
93	5.298G	94	5.429G	95	5.499G	96	5.581G
97	5.361G	98	5.654G	99	5.595G	100	5.431G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.433G	2	5.308G	3	5.390G	4	5.250G
5	5.509G	6	5.724G	7	5.452G	8	5.429G
9	5.659G	10	5.469G	11	5.259G	12	5.377G
13	5.642G	14	5.477G	15	5.354G	16	5.675G
17	5.595G	18	5.555G	19	5.702G	20	5.420G
21	5.327G	22	5.620G	23	5.712G	24	5.305G
25	5.635G	26	5.661G	27	5.501G	28	5.684G
29	5.612G	30	5.339G	31	5.489G	32	5.645G
33	5.274G	34	5.291G	35	5.481G	36	5.483G
37	5.321G	38	5.611G	39	5.488G	40	5.442G
41	5.314G	42	5.647G	43	5.284G	44	5.379G
45	5.722G	46	5.701G	47	5.427G	48	5.471G
49	5.543G	50	5.376G	51	5.294G	52	5.435G
53	5.503G	54	5.613G	55	5.450G	56	5.336G
57	5.562G	58	5.585G	59	5.271G	60	5.655G
61	5.600G	62	5.497G	63	5.572G	64	5.404G
65	5.640G	66	5.357G	67	5.646G	68	5.316G
69	5.699G	70	5.458G	71	5.535G	72	5.496G
73	5.298G	74	5.344G	75	5.421G	76	5.331G
77	5.351G	78	5.614G	79	5.394G	80	5.334G
81	5.720G	82	5.518G	83	5.428G	84	5.355G
85	5.264G	86	5.408G	87	5.565G	88	5.466G
89	5.520G	90	5.360G	91	5.388G	92	5.707G
93	5.652G	94	5.324G	95	5.537G	96	5.436G
97	5.329G	98	5.671G	99	5.674G	100	5.689G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.617G	2	5.670G	3	5.459G	4	5.259G
5	5.613G	6	5.558G	7	5.510G	8	5.272G
9	5.662G	10	5.419G	11	5.300G	12	5.692G
13	5.515G	14	5.422G	15	5.321G	16	5.609G
17	5.597G	18	5.454G	19	5.716G	20	5.512G
21	5.556G	22	5.361G	23	5.393G	24	5.331G
25	5.348G	26	5.253G	27	5.544G	28	5.417G
29	5.575G	30	5.615G	31	5.513G	32	5.370G
33	5.516G	34	5.303G	35	5.447G	36	5.588G
37	5.293G	38	5.660G	39	5.409G	40	5.610G
41	5.551G	42	5.487G	43	5.251G	44	5.688G
45	5.349G	46	5.665G	47	5.533G	48	5.645G
49	5.699G	50	5.427G	51	5.616G	52	5.254G
53	5.329G	54	5.442G	55	5.354G	56	5.281G
57	5.583G	58	5.485G	59	5.266G	60	5.413G
61	5.299G	62	5.555G	63	5.687G	64	5.567G
65	5.520G	66	5.611G	67	5.355G	68	5.308G
69	5.677G	70	5.421G	71	5.536G	72	5.440G
73	5.504G	74	5.668G	75	5.360G	76	5.719G
77	5.500G	78	5.702G	79	5.324G	80	5.680G
81	5.563G	82	5.489G	83	5.603G	84	5.592G
85	5.685G	86	5.721G	87	5.608G	88	5.330G
89	5.562G	90	5.535G	91	5.415G	92	5.573G
93	5.375G	94	5.591G	95	5.509G	96	5.433G
97	5.722G	98	5.390G	99	5.340G	100	5.605G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.389G	2	5.419G	3	5.460G	4	5.411G
5	5.526G	6	5.719G	7	5.694G	8	5.699G
9	5.653G	10	5.681G	11	5.709G	12	5.552G
13	5.511G	14	5.478G	15	5.322G	16	5.541G
17	5.442G	18	5.294G	19	5.633G	20	5.415G
21	5.628G	22	5.445G	23	5.562G	24	5.464G
25	5.446G	26	5.397G	27	5.325G	28	5.334G
29	5.618G	30	5.713G	31	5.317G	32	5.362G
33	5.589G	34	5.673G	35	5.572G	36	5.669G
37	5.400G	38	5.549G	39	5.614G	40	5.335G
41	5.529G	42	5.360G	43	5.480G	44	5.251G
45	5.641G	46	5.602G	47	5.527G	48	5.471G
49	5.257G	50	5.355G	51	5.595G	52	5.271G
53	5.500G	54	5.443G	55	5.570G	56	5.700G
57	5.600G	58	5.515G	59	5.706G	60	5.428G
61	5.553G	62	5.307G	63	5.722G	64	5.721G
65	5.386G	66	5.711G	67	5.499G	68	5.655G
69	5.458G	70	5.697G	71	5.502G	72	5.662G
73	5.451G	74	5.606G	75	5.369G	76	5.474G
77	5.596G	78	5.270G	79	5.698G	80	5.612G
81	5.401G	82	5.479G	83	5.702G	84	5.407G
85	5.688G	86	5.691G	87	5.654G	88	5.290G
89	5.683G	90	5.315G	91	5.644G	92	5.476G
93	5.615G	94	5.313G	95	5.626G	96	5.716G
97	5.609G	98	5.637G	99	5.707G	100	5.423G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.308G	2	5.444G	3	5.695G	4	5.252G
5	5.469G	6	5.521G	7	5.551G	8	5.365G
9	5.361G	10	5.421G	11	5.498G	12	5.678G
13	5.466G	14	5.603G	15	5.428G	16	5.337G
17	5.500G	18	5.405G	19	5.295G	20	5.617G
21	5.718G	22	5.442G	23	5.430G	24	5.649G
25	5.574G	26	5.567G	27	5.668G	28	5.646G
29	5.260G	30	5.690G	31	5.514G	32	5.558G
33	5.706G	34	5.499G	35	5.658G	36	5.528G
37	5.424G	38	5.575G	39	5.348G	40	5.468G
41	5.656G	42	5.504G	43	5.533G	44	5.305G
45	5.622G	46	5.279G	47	5.713G	48	5.657G
49	5.341G	50	5.489G	51	5.455G	52	5.613G
53	5.628G	54	5.661G	55	5.488G	56	5.607G
57	5.453G	58	5.538G	59	5.686G	60	5.309G
61	5.280G	62	5.392G	63	5.315G	64	5.388G
65	5.360G	66	5.269G	67	5.542G	68	5.454G
69	5.486G	70	5.594G	71	5.327G	72	5.403G
73	5.285G	74	5.306G	75	5.374G	76	5.441G
77	5.299G	78	5.496G	79	5.347G	80	5.402G
81	5.283G	82	5.523G	83	5.451G	84	5.635G
85	5.311G	86	5.438G	87	5.429G	88	5.475G
89	5.525G	90	5.547G	91	5.487G	92	5.445G
93	5.351G	94	5.425G	95	5.648G	96	5.543G
97	5.691G	98	5.384G	99	5.683G	100	5.667G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.376G	2	5.463G	3	5.595G	4	5.522G
5	5.689G	6	5.587G	7	5.551G	8	5.296G
9	5.652G	10	5.593G	11	5.545G	12	5.442G
13	5.446G	14	5.400G	15	5.434G	16	5.688G
17	5.571G	18	5.479G	19	5.568G	20	5.443G
21	5.617G	22	5.684G	23	5.640G	24	5.284G
25	5.526G	26	5.382G	27	5.411G	28	5.292G
29	5.364G	30	5.663G	31	5.542G	32	5.521G
33	5.475G	34	5.669G	35	5.363G	36	5.573G
37	5.257G	38	5.717G	39	5.635G	40	5.299G
41	5.343G	42	5.583G	43	5.508G	44	5.582G
45	5.666G	46	5.498G	47	5.556G	48	5.347G
49	5.452G	50	5.660G	51	5.458G	52	5.581G
53	5.553G	54	5.327G	55	5.320G	56	5.620G
57	5.412G	58	5.356G	59	5.302G	60	5.686G
61	5.722G	62	5.532G	63	5.533G	64	5.525G
65	5.378G	66	5.678G	67	5.279G	68	5.383G
69	5.273G	70	5.353G	71	5.566G	72	5.426G
73	5.569G	74	5.268G	75	5.633G	76	5.643G
77	5.641G	78	5.321G	79	5.416G	80	5.589G
81	5.559G	82	5.332G	83	5.387G	84	5.403G
85	5.444G	86	5.577G	87	5.485G	88	5.483G
89	5.349G	90	5.547G	91	5.572G	92	5.251G
93	5.693G	94	5.698G	95	5.263G	96	5.367G
97	5.548G	98	5.424G	99	5.603G	100	5.448G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.447G	2	5.335G	3	5.716G	4	5.353G
5	5.582G	6	5.314G	7	5.722G	8	5.486G
9	5.306G	10	5.256G	11	5.681G	12	5.649G
13	5.560G	14	5.396G	15	5.404G	16	5.580G
17	5.468G	18	5.293G	19	5.497G	20	5.262G
21	5.440G	22	5.680G	23	5.301G	24	5.422G
25	5.316G	26	5.324G	27	5.723G	28	5.400G
29	5.687G	30	5.453G	31	5.308G	32	5.345G
33	5.471G	34	5.412G	35	5.326G	36	5.675G
37	5.449G	38	5.541G	39	5.621G	40	5.524G
41	5.268G	42	5.391G	43	5.352G	44	5.394G
45	5.555G	46	5.448G	47	5.461G	48	5.538G
49	5.514G	50	5.577G	51	5.596G	52	5.588G
53	5.363G	54	5.640G	55	5.267G	56	5.276G
57	5.719G	58	5.283G	59	5.299G	60	5.508G
61	5.341G	62	5.623G	63	5.697G	64	5.531G
65	5.539G	66	5.534G	67	5.721G	68	5.476G
69	5.608G	70	5.375G	71	5.415G	72	5.397G
73	5.611G	74	5.511G	75	5.699G	76	5.431G
77	5.615G	78	5.672G	79	5.282G	80	5.342G
81	5.455G	82	5.464G	83	5.550G	84	5.670G
85	5.490G	86	5.671G	87	5.664G	88	5.626G
89	5.472G	90	5.459G	91	5.405G	92	5.304G
93	5.339G	94	5.645G	95	5.702G	96	5.430G
97	5.389G	98	5.387G	99	5.505G	100	5.695G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.574G	2	5.680G	3	5.604G	4	5.531G
5	5.711G	6	5.693G	7	5.294G	8	5.405G
9	5.550G	10	5.383G	11	5.263G	12	5.369G
13	5.313G	14	5.665G	15	5.555G	16	5.501G
17	5.393G	18	5.619G	19	5.445G	20	5.409G
21	5.522G	22	5.650G	23	5.268G	24	5.540G
25	5.499G	26	5.451G	27	5.416G	28	5.520G
29	5.634G	30	5.376G	31	5.286G	32	5.398G
33	5.403G	34	5.350G	35	5.689G	36	5.631G
37	5.348G	38	5.262G	39	5.486G	40	5.655G
41	5.682G	42	5.355G	43	5.543G	44	5.628G
45	5.412G	46	5.364G	47	5.642G	48	5.349G
49	5.623G	50	5.477G	51	5.291G	52	5.551G
53	5.677G	54	5.537G	55	5.462G	56	5.363G
57	5.687G	58	5.614G	59	5.635G	60	5.466G
61	5.563G	62	5.430G	63	5.678G	64	5.656G
65	5.681G	66	5.404G	67	5.653G	68	5.252G
69	5.394G	70	5.618G	71	5.503G	72	5.272G
73	5.578G	74	5.344G	75	5.663G	76	5.666G
77	5.620G	78	5.378G	79	5.275G	80	5.621G
81	5.575G	82	5.435G	83	5.314G	84	5.358G
85	5.582G	86	5.401G	87	5.712G	88	5.599G
89	5.251G	90	5.603G	91	5.333G	92	5.347G
93	5.449G	94	5.602G	95	5.326G	96	5.657G
97	5.300G	98	5.308G	99	5.719G	100	5.304G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.338G	2	5.260G	3	5.477G	4	5.616G
5	5.552G	6	5.358G	7	5.524G	8	5.523G
9	5.691G	10	5.593G	11	5.370G	12	5.697G
13	5.509G	14	5.483G	15	5.564G	16	5.668G
17	5.689G	18	5.447G	19	5.635G	20	5.711G
21	5.369G	22	5.252G	23	5.522G	24	5.680G
25	5.328G	26	5.609G	27	5.570G	28	5.421G
29	5.693G	30	5.414G	31	5.382G	32	5.525G
33	5.291G	34	5.420G	35	5.633G	36	5.396G
37	5.535G	38	5.345G	39	5.597G	40	5.521G
41	5.430G	42	5.702G	43	5.398G	44	5.405G
45	5.435G	46	5.686G	47	5.704G	48	5.612G
49	5.541G	50	5.542G	51	5.337G	52	5.365G
53	5.307G	54	5.690G	55	5.717G	56	5.594G
57	5.408G	58	5.412G	59	5.416G	60	5.429G
61	5.498G	62	5.625G	63	5.580G	64	5.263G
65	5.285G	66	5.353G	67	5.544G	68	5.487G
69	5.550G	70	5.406G	71	5.640G	72	5.543G
73	5.713G	74	5.511G	75	5.677G	76	5.342G
77	5.333G	78	5.631G	79	5.701G	80	5.715G
81	5.610G	82	5.623G	83	5.320G	84	5.417G
85	5.349G	86	5.720G	87	5.568G	88	5.551G
89	5.678G	90	5.581G	91	5.533G	92	5.474G
93	5.673G	94	5.363G	95	5.409G	96	5.393G
97	5.431G	98	5.472G	99	5.706G	100	5.630G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.325G	2	5.331G	3	5.595G	4	5.298G
5	5.588G	6	5.526G	7	5.475G	8	5.718G
9	5.427G	10	5.605G	11	5.531G	12	5.290G
13	5.355G	14	5.619G	15	5.342G	16	5.419G
17	5.536G	18	5.699G	19	5.654G	20	5.587G
21	5.375G	22	5.304G	23	5.576G	24	5.469G
25	5.366G	26	5.676G	27	5.600G	28	5.444G
29	5.572G	30	5.714G	31	5.662G	32	5.333G
33	5.482G	34	5.428G	35	5.510G	36	5.711G
37	5.591G	38	5.524G	39	5.422G	40	5.612G
41	5.567G	42	5.272G	43	5.554G	44	5.303G
45	5.649G	46	5.723G	47	5.451G	48	5.323G
49	5.313G	50	5.607G	51	5.318G	52	5.456G
53	5.263G	54	5.584G	55	5.270G	56	5.720G
57	5.639G	58	5.276G	59	5.586G	60	5.575G
61	5.267G	62	5.529G	63	5.566G	64	5.280G
65	5.391G	66	5.312G	67	5.465G	68	5.671G
69	5.645G	70	5.520G	71	5.314G	72	5.582G
73	5.528G	74	5.372G	75	5.477G	76	5.505G
77	5.464G	78	5.365G	79	5.670G	80	5.715G
81	5.660G	82	5.635G	83	5.382G	84	5.597G
85	5.705G	86	5.265G	87	5.498G	88	5.417G
89	5.479G	90	5.713G	91	5.306G	92	5.418G
93	5.599G	94	5.461G	95	5.683G	96	5.380G
97	5.349G	98	5.702G	99	5.696G	100	5.487G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.482G	2	5.626G	3	5.579G	4	5.282G
5	5.543G	6	5.362G	7	5.616G	8	5.674G
9	5.320G	10	5.660G	11	5.448G	12	5.496G
13	5.277G	14	5.489G	15	5.711G	16	5.463G
17	5.310G	18	5.646G	19	5.367G	20	5.351G
21	5.273G	22	5.638G	23	5.317G	24	5.656G
25	5.346G	26	5.712G	27	5.471G	28	5.372G
29	5.609G	30	5.647G	31	5.457G	32	5.276G
33	5.331G	34	5.487G	35	5.595G	36	5.437G
37	5.309G	38	5.404G	39	5.640G	40	5.527G
41	5.284G	42	5.637G	43	5.671G	44	5.433G
45	5.261G	46	5.336G	47	5.669G	48	5.286G
49	5.352G	50	5.610G	51	5.465G	52	5.353G
53	5.421G	54	5.570G	55	5.322G	56	5.386G
57	5.508G	58	5.606G	59	5.601G	60	5.535G
61	5.483G	62	5.375G	63	5.661G	64	5.522G
65	5.441G	66	5.479G	67	5.447G	68	5.464G
69	5.474G	70	5.271G	71	5.288G	72	5.654G
73	5.664G	74	5.315G	75	5.542G	76	5.526G
77	5.715G	78	5.564G	79	5.492G	80	5.628G
81	5.613G	82	5.434G	83	5.337G	84	5.652G
85	5.323G	86	5.373G	87	5.518G	88	5.642G
89	5.318G	90	5.583G	91	5.283G	92	5.356G
93	5.723G	94	5.651G	95	5.538G	96	5.371G
97	5.571G	98	5.391G	99	5.313G	100	5.523G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.682G	2	5.448G	3	5.540G	4	5.264G
5	5.526G	6	5.678G	7	5.400G	8	5.686G
9	5.720G	10	5.251G	11	5.532G	12	5.656G
13	5.355G	14	5.557G	15	5.672G	16	5.347G
17	5.718G	18	5.604G	19	5.684G	20	5.483G
21	5.694G	22	5.536G	23	5.676G	24	5.693G
25	5.267G	26	5.422G	27	5.289G	28	5.479G
29	5.457G	30	5.362G	31	5.356G	32	5.326G
33	5.709G	34	5.332G	35	5.409G	36	5.324G
37	5.589G	38	5.620G	39	5.548G	40	5.351G
41	5.444G	42	5.690G	43	5.500G	44	5.316G
45	5.319G	46	5.443G	47	5.630G	48	5.340G
49	5.388G	50	5.408G	51	5.576G	52	5.719G
53	5.570G	54	5.366G	55	5.300G	56	5.271G
57	5.695G	58	5.475G	59	5.418G	60	5.349G
61	5.692G	62	5.412G	63	5.352G	64	5.668G
65	5.337G	66	5.592G	67	5.485G	68	5.280G
69	5.637G	70	5.716G	71	5.621G	72	5.575G
73	5.377G	74	5.564G	75	5.397G	76	5.663G
77	5.701G	78	5.414G	79	5.609G	80	5.343G
81	5.537G	82	5.402G	83	5.328G	84	5.519G
85	5.311G	86	5.286G	87	5.315G	88	5.299G
89	5.341G	90	5.631G	91	5.530G	92	5.597G
93	5.509G	94	5.555G	95	5.322G	96	5.404G
97	5.428G	98	5.380G	99	5.320G	100	5.273G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.311G	2	5.471G	3	5.685G	4	5.691G
5	5.598G	6	5.425G	7	5.672G	8	5.415G
9	5.604G	10	5.428G	11	5.581G	12	5.548G
13	5.299G	14	5.591G	15	5.310G	16	5.409G
17	5.405G	18	5.325G	19	5.474G	20	5.434G
21	5.579G	22	5.315G	23	5.302G	24	5.519G
25	5.496G	26	5.560G	27	5.624G	28	5.680G
29	5.534G	30	5.445G	31	5.536G	32	5.294G
33	5.421G	34	5.701G	35	5.721G	36	5.650G
37	5.289G	38	5.318G	39	5.341G	40	5.641G
41	5.571G	42	5.252G	43	5.668G	44	5.614G
45	5.509G	46	5.693G	47	5.569G	48	5.323G
49	5.541G	50	5.328G	51	5.683G	52	5.540G
53	5.436G	54	5.631G	55	5.308G	56	5.575G
57	5.397G	58	5.278G	59	5.707G	60	5.529G
61	5.475G	62	5.586G	63	5.360G	64	5.277G
65	5.621G	66	5.290G	67	5.468G	68	5.270G
69	5.430G	70	5.331G	71	5.403G	72	5.287G
73	5.387G	74	5.378G	75	5.351G	76	5.411G
77	5.350G	78	5.264G	79	5.441G	80	5.518G
81	5.332G	82	5.273G	83	5.709G	84	5.423G
85	5.661G	86	5.700G	87	5.532G	88	5.420G
89	5.684G	90	5.454G	91	5.500G	92	5.681G
93	5.368G	94	5.576G	95	5.279G	96	5.558G
97	5.504G	98	5.412G	99	5.687G	100	5.354G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.468G	2	5.556G	3	5.253G	4	5.258G
5	5.484G	6	5.419G	7	5.504G	8	5.675G
9	5.479G	10	5.609G	11	5.342G	12	5.322G
13	5.622G	14	5.698G	15	5.438G	16	5.301G
17	5.607G	18	5.472G	19	5.307G	20	5.635G
21	5.578G	22	5.325G	23	5.333G	24	5.691G
25	5.645G	26	5.292G	27	5.508G	28	5.395G
29	5.261G	30	5.407G	31	5.723G	32	5.699G
33	5.719G	34	5.586G	35	5.316G	36	5.429G
37	5.299G	38	5.677G	39	5.606G	40	5.513G
41	5.601G	42	5.273G	43	5.284G	44	5.408G
45	5.592G	46	5.666G	47	5.642G	48	5.543G
49	5.286G	50	5.567G	51	5.715G	52	5.300G
53	5.381G	54	5.443G	55	5.673G	56	5.313G
57	5.665G	58	5.352G	59	5.417G	60	5.696G
61	5.619G	62	5.695G	63	5.433G	64	5.384G
65	5.550G	66	5.477G	67	5.597G	68	5.706G
69	5.281G	70	5.293G	71	5.618G	72	5.658G
73	5.274G	74	5.251G	75	5.553G	76	5.588G
77	5.497G	78	5.516G	79	5.678G	80	5.392G
81	5.519G	82	5.690G	83	5.638G	84	5.302G
85	5.481G	86	5.685G	87	5.545G	88	5.573G
89	5.693G	90	5.631G	91	5.283G	92	5.466G
93	5.259G	94	5.369G	95	5.566G	96	5.569G
97	5.632G	98	5.680G	99	5.375G	100	5.499G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.648G	2	5.312G	3	5.391G	4	5.495G
5	5.315G	6	5.517G	7	5.536G	8	5.629G
9	5.374G	10	5.253G	11	5.474G	12	5.519G
13	5.476G	14	5.381G	15	5.276G	16	5.652G
17	5.581G	18	5.585G	19	5.402G	20	5.401G
21	5.422G	22	5.722G	23	5.534G	24	5.305G
25	5.428G	26	5.567G	27	5.375G	28	5.251G
29	5.550G	30	5.308G	31	5.521G	32	5.376G
33	5.719G	34	5.427G	35	5.704G	36	5.307G
37	5.266G	38	5.514G	39	5.389G	40	5.354G
41	5.448G	42	5.530G	43	5.419G	44	5.255G
45	5.350G	46	5.297G	47	5.661G	48	5.483G
49	5.371G	50	5.486G	51	5.480G	52	5.553G
53	5.434G	54	5.714G	55	5.678G	56	5.388G
57	5.299G	58	5.565G	59	5.665G	60	5.267G
61	5.622G	62	5.250G	63	5.591G	64	5.335G
65	5.626G	66	5.355G	67	5.706G	68	5.283G
69	5.393G	70	5.407G	71	5.263G	72	5.516G
73	5.723G	74	5.423G	75	5.496G	76	5.319G
77	5.394G	78	5.451G	79	5.716G	80	5.528G
81	5.380G	82	5.578G	83	5.630G	84	5.262G
85	5.697G	86	5.651G	87	5.574G	88	5.556G
89	5.500G	90	5.385G	91	5.720G	92	5.546G
93	5.695G	94	5.702G	95	5.426G	96	5.625G
97	5.593G	98	5.539G	99	5.324G	100	5.378G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.541G	2	5.342G	3	5.263G	4	5.352G
5	5.535G	6	5.662G	7	5.338G	8	5.367G
9	5.604G	10	5.691G	11	5.584G	12	5.689G
13	5.333G	14	5.424G	15	5.533G	16	5.594G
17	5.595G	18	5.371G	19	5.255G	20	5.261G
21	5.638G	22	5.620G	23	5.642G	24	5.446G
25	5.319G	26	5.324G	27	5.457G	28	5.427G
29	5.608G	30	5.258G	31	5.467G	32	5.557G
33	5.363G	34	5.532G	35	5.301G	36	5.633G
37	5.422G	38	5.722G	39	5.482G	40	5.277G
41	5.283G	42	5.485G	43	5.555G	44	5.440G
45	5.504G	46	5.676G	47	5.575G	48	5.464G
49	5.385G	50	5.260G	51	5.624G	52	5.605G
53	5.410G	54	5.384G	55	5.310G	56	5.671G
57	5.340G	58	5.451G	59	5.468G	60	5.609G
61	5.496G	62	5.268G	63	5.618G	64	5.274G
65	5.716G	66	5.526G	67	5.484G	68	5.600G
69	5.423G	70	5.434G	71	5.372G	72	5.408G
73	5.439G	74	5.505G	75	5.539G	76	5.648G
77	5.395G	78	5.669G	79	5.720G	80	5.425G
81	5.572G	82	5.590G	83	5.656G	84	5.286G
85	5.265G	86	5.724G	87	5.471G	88	5.334G
89	5.436G	90	5.586G	91	5.714G	92	5.699G
93	5.536G	94	5.462G	95	5.702G	96	5.480G
97	5.470G	98	5.294G	99	5.447G	100	5.570G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.292G	2	5.404G	3	5.653G	4	5.720G
5	5.385G	6	5.648G	7	5.361G	8	5.695G
9	5.487G	10	5.449G	11	5.374G	12	5.513G
13	5.552G	14	5.610G	15	5.596G	16	5.573G
17	5.532G	18	5.651G	19	5.657G	20	5.646G
21	5.661G	22	5.624G	23	5.344G	24	5.630G
25	5.662G	26	5.702G	27	5.272G	28	5.308G
29	5.676G	30	5.633G	31	5.260G	32	5.629G
33	5.472G	34	5.680G	35	5.654G	36	5.697G
37	5.516G	38	5.280G	39	5.271G	40	5.632G
41	5.589G	42	5.414G	43	5.367G	44	5.539G
45	5.619G	46	5.445G	47	5.497G	48	5.443G
49	5.450G	50	5.274G	51	5.583G	52	5.306G
53	5.724G	54	5.694G	55	5.671G	56	5.325G
57	5.400G	58	5.664G	59	5.531G	60	5.336G
61	5.457G	62	5.460G	63	5.579G	64	5.563G
65	5.701G	66	5.566G	67	5.330G	68	5.341G
69	5.410G	70	5.679G	71	5.599G	72	5.342G
73	5.415G	74	5.423G	75	5.256G	76	5.287G
77	5.386G	78	5.401G	79	5.600G	80	5.387G
81	5.628G	82	5.636G	83	5.672G	84	5.319G
85	5.301G	86	5.685G	87	5.440G	88	5.360G
89	5.297G	90	5.670G	91	5.658G	92	5.688G
93	5.352G	94	5.605G	95	5.571G	96	5.500G
97	5.448G	98	5.276G	99	5.388G	100	5.270G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.681G	2	5.599G	3	5.474G	4	5.429G
5	5.567G	6	5.432G	7	5.709G	8	5.560G
9	5.496G	10	5.686G	11	5.548G	12	5.370G
13	5.344G	14	5.376G	15	5.337G	16	5.437G
17	5.288G	18	5.394G	19	5.547G	20	5.696G
21	5.512G	22	5.331G	23	5.308G	24	5.698G
25	5.405G	26	5.622G	27	5.325G	28	5.661G
29	5.721G	30	5.656G	31	5.691G	32	5.439G
33	5.462G	34	5.592G	35	5.295G	36	5.408G
37	5.618G	38	5.706G	39	5.419G	40	5.280G
41	5.499G	42	5.327G	43	5.470G	44	5.255G
45	5.424G	46	5.713G	47	5.675G	48	5.632G
49	5.566G	50	5.708G	51	5.395G	52	5.639G
53	5.642G	54	5.402G	55	5.316G	56	5.589G
57	5.553G	58	5.695G	59	5.616G	60	5.287G
61	5.705G	62	5.562G	63	5.270G	64	5.382G
65	5.489G	66	5.441G	67	5.447G	68	5.645G
69	5.396G	70	5.279G	71	5.430G	72	5.571G
73	5.391G	74	5.312G	75	5.397G	76	5.315G
77	5.343G	78	5.381G	79	5.723G	80	5.662G
81	5.682G	82	5.309G	83	5.433G	84	5.712G
85	5.274G	86	5.701G	87	5.303G	88	5.569G
89	5.563G	90	5.628G	91	5.660G	92	5.453G
93	5.379G	94	5.576G	95	5.423G	96	5.323G
97	5.640G	98	5.479G	99	5.410G	100	5.324G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.678G	2	5.707G	3	5.604G	4	5.546G
5	5.278G	6	5.622G	7	5.282G	8	5.708G
9	5.459G	10	5.371G	11	5.328G	12	5.505G
13	5.543G	14	5.700G	15	5.454G	16	5.251G
17	5.460G	18	5.326G	19	5.585G	20	5.594G
21	5.265G	22	5.655G	23	5.639G	24	5.492G
25	5.631G	26	5.284G	27	5.544G	28	5.437G
29	5.388G	30	5.420G	31	5.290G	32	5.724G
33	5.709G	34	5.465G	35	5.645G	36	5.307G
37	5.310G	38	5.439G	39	5.541G	40	5.527G
41	5.670G	42	5.692G	43	5.488G	44	5.612G
45	5.255G	46	5.679G	47	5.401G	48	5.485G
49	5.477G	50	5.536G	51	5.651G	52	5.568G
53	5.619G	54	5.433G	55	5.272G	56	5.629G
57	5.500G	58	5.722G	59	5.558G	60	5.302G
61	5.582G	62	5.442G	63	5.681G	64	5.673G
65	5.599G	66	5.649G	67	5.538G	68	5.548G
69	5.623G	70	5.297G	71	5.718G	72	5.447G
73	5.553G	74	5.429G	75	5.254G	76	5.659G
77	5.716G	78	5.498G	79	5.427G	80	5.567G
81	5.591G	82	5.270G	83	5.521G	84	5.688G
85	5.475G	86	5.253G	87	5.641G	88	5.687G
89	5.268G	90	5.577G	91	5.418G	92	5.321G
93	5.273G	94	5.542G	95	5.637G	96	5.634G
97	5.352G	98	5.425G	99	5.327G	100	5.513G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.535G	2	5.252G	3	5.540G	4	5.300G
5	5.626G	6	5.317G	7	5.576G	8	5.388G
9	5.466G	10	5.491G	11	5.476G	12	5.435G
13	5.468G	14	5.377G	15	5.721G	16	5.301G
17	5.271G	18	5.580G	19	5.722G	20	5.389G
21	5.568G	22	5.404G	23	5.488G	24	5.320G
25	5.590G	26	5.327G	27	5.501G	28	5.418G
29	5.342G	30	5.264G	31	5.430G	32	5.333G
33	5.654G	34	5.651G	35	5.578G	36	5.485G
37	5.386G	38	5.396G	39	5.566G	40	5.282G
41	5.646G	42	5.504G	43	5.640G	44	5.541G
45	5.492G	46	5.480G	47	5.409G	48	5.526G
49	5.285G	50	5.275G	51	5.614G	52	5.250G
53	5.323G	54	5.605G	55	5.424G	56	5.701G
57	5.426G	58	5.303G	59	5.641G	60	5.707G
61	5.440G	62	5.413G	63	5.611G	64	5.447G
65	5.272G	66	5.629G	67	5.574G	68	5.708G
69	5.550G	70	5.478G	71	5.668G	72	5.420G
73	5.427G	74	5.367G	75	5.632G	76	5.385G
77	5.589G	78	5.304G	79	5.525G	80	5.479G
81	5.586G	82	5.460G	83	5.630G	84	5.412G
85	5.453G	86	5.613G	87	5.484G	88	5.319G
89	5.295G	90	5.349G	91	5.523G	92	5.436G
93	5.307G	94	5.669G	95	5.647G	96	5.464G
97	5.571G	98	5.660G	99	5.556G	100	5.554G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.368G	2	5.556G	3	5.679G	4	5.570G
5	5.346G	6	5.718G	7	5.384G	8	5.709G
9	5.387G	10	5.332G	11	5.251G	12	5.537G
13	5.472G	14	5.437G	15	5.345G	16	5.686G
17	5.616G	18	5.568G	19	5.541G	20	5.417G
21	5.438G	22	5.280G	23	5.392G	24	5.703G
25	5.663G	26	5.271G	27	5.702G	28	5.403G
29	5.327G	30	5.464G	31	5.468G	32	5.331G
33	5.473G	34	5.354G	35	5.460G	36	5.563G
37	5.707G	38	5.326G	39	5.409G	40	5.627G
41	5.566G	42	5.594G	43	5.634G	44	5.614G
45	5.565G	46	5.723G	47	5.268G	48	5.688G
49	5.302G	50	5.330G	51	5.605G	52	5.694G
53	5.416G	54	5.373G	55	5.588G	56	5.305G
57	5.258G	58	5.425G	59	5.714G	60	5.386G
61	5.667G	62	5.574G	63	5.513G	64	5.314G
65	5.573G	66	5.698G	67	5.604G	68	5.700G
69	5.508G	70	5.478G	71	5.265G	72	5.505G
73	5.419G	74	5.602G	75	5.396G	76	5.328G
77	5.372G	78	5.405G	79	5.294G	80	5.636G
81	5.528G	82	5.685G	83	5.711G	84	5.503G
85	5.350G	86	5.457G	87	5.583G	88	5.586G
89	5.474G	90	5.264G	91	5.555G	92	5.678G
93	5.617G	94	5.479G	95	5.308G	96	5.611G
97	5.668G	98	5.261G	99	5.650G	100	5.601G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.718G	2	5.526G	3	5.713G	4	5.251G
5	5.337G	6	5.441G	7	5.627G	8	5.698G
9	5.431G	10	5.678G	11	5.395G	12	5.279G
13	5.546G	14	5.363G	15	5.666G	16	5.618G
17	5.534G	18	5.384G	19	5.611G	20	5.630G
21	5.408G	22	5.333G	23	5.591G	24	5.661G
25	5.476G	26	5.273G	27	5.502G	28	5.276G
29	5.643G	30	5.319G	31	5.681G	32	5.327G
33	5.289G	34	5.426G	35	5.495G	36	5.569G
37	5.716G	38	5.349G	39	5.604G	40	5.509G
41	5.433G	42	5.381G	43	5.497G	44	5.255G
45	5.486G	46	5.287G	47	5.645G	48	5.301G
49	5.693G	50	5.690G	51	5.378G	52	5.415G
53	5.557G	54	5.347G	55	5.628G	56	5.366G
57	5.629G	58	5.612G	59	5.442G	60	5.659G
61	5.581G	62	5.537G	63	5.325G	64	5.340G
65	5.474G	66	5.648G	67	5.401G	68	5.654G
69	5.720G	70	5.491G	71	5.680G	72	5.601G
73	5.688G	74	5.609G	75	5.338G	76	5.372G
77	5.671G	78	5.316G	79	5.259G	80	5.479G
81	5.256G	82	5.299G	83	5.631G	84	5.676G
85	5.597G	86	5.621G	87	5.352G	88	5.685G
89	5.438G	90	5.288G	91	5.466G	92	5.336G
93	5.261G	94	5.673G	95	5.626G	96	5.514G
97	5.345G	98	5.351G	99	5.262G	100	5.638G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.611G	2	5.285G	3	5.458G	4	5.250G
5	5.711G	6	5.476G	7	5.653G	8	5.357G
9	5.322G	10	5.425G	11	5.412G	12	5.393G
13	5.547G	14	5.376G	15	5.664G	16	5.451G
17	5.443G	18	5.472G	19	5.400G	20	5.433G
21	5.513G	22	5.274G	23	5.573G	24	5.464G
25	5.696G	26	5.576G	27	5.693G	28	5.340G
29	5.332G	30	5.312G	31	5.689G	32	5.426G
33	5.550G	34	5.367G	35	5.587G	36	5.295G
37	5.512G	38	5.674G	39	5.325G	40	5.617G
41	5.716G	42	5.713G	43	5.630G	44	5.477G
45	5.268G	46	5.585G	47	5.441G	48	5.586G
49	5.717G	50	5.613G	51	5.501G	52	5.549G
53	5.656G	54	5.347G	55	5.377G	56	5.642G
57	5.491G	58	5.671G	59	5.331G	60	5.286G
61	5.668G	62	5.401G	63	5.623G	64	5.682G
65	5.619G	66	5.432G	67	5.260G	68	5.589G
69	5.404G	70	5.287G	71	5.406G	72	5.615G
73	5.407G	74	5.448G	75	5.590G	76	5.568G
77	5.718G	78	5.354G	79	5.344G	80	5.706G
81	5.317G	82	5.699G	83	5.431G	84	5.559G
85	5.271G	86	5.259G	87	5.670G	88	5.252G
89	5.383G	90	5.522G	91	5.539G	92	5.381G
93	5.511G	94	5.686G	95	5.672G	96	5.390G
97	5.350G	98	5.581G	99	5.654G	100	5.580G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.713G	2	5.350G	3	5.705G	4	5.511G
5	5.719G	6	5.253G	7	5.566G	8	5.254G
9	5.632G	10	5.353G	11	5.720G	12	5.594G
13	5.396G	14	5.501G	15	5.382G	16	5.474G
17	5.317G	18	5.666G	19	5.688G	20	5.521G
21	5.347G	22	5.363G	23	5.498G	24	5.478G
25	5.296G	26	5.564G	27	5.435G	28	5.479G
29	5.328G	30	5.326G	31	5.570G	32	5.444G
33	5.431G	34	5.457G	35	5.620G	36	5.417G
37	5.299G	38	5.605G	39	5.649G	40	5.639G
41	5.459G	42	5.621G	43	5.562G	44	5.548G
45	5.714G	46	5.580G	47	5.684G	48	5.589G
49	5.325G	50	5.375G	51	5.371G	52	5.513G
53	5.423G	54	5.445G	55	5.270G	56	5.628G
57	5.282G	58	5.443G	59	5.584G	60	5.327G
61	5.675G	62	5.393G	63	5.471G	64	5.263G
65	5.526G	66	5.301G	67	5.385G	68	5.534G
69	5.465G	70	5.267G	71	5.275G	72	5.485G
73	5.300G	74	5.318G	75	5.680G	76	5.377G
77	5.520G	78	5.400G	79	5.669G	80	5.284G
81	5.572G	82	5.335G	83	5.252G	84	5.578G
85	5.607G	86	5.348G	87	5.312G	88	5.310G
89	5.291G	90	5.681G	91	5.615G	92	5.489G
93	5.487G	94	5.398G	95	5.372G	96	5.519G
97	5.332G	98	5.429G	99	5.373G	100	5.477G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.633G	2	5.537G	3	5.684G	4	5.718G
5	5.702G	6	5.423G	7	5.547G	8	5.654G
9	5.303G	10	5.568G	11	5.268G	12	5.667G
13	5.422G	14	5.608G	15	5.692G	16	5.690G
17	5.455G	18	5.397G	19	5.450G	20	5.335G
21	5.579G	22	5.371G	23	5.354G	24	5.297G
25	5.338G	26	5.432G	27	5.453G	28	5.661G
29	5.342G	30	5.623G	31	5.658G	32	5.479G
33	5.393G	34	5.387G	35	5.301G	36	5.252G
37	5.498G	38	5.404G	39	5.419G	40	5.638G
41	5.282G	42	5.270G	43	5.332G	44	5.469G
45	5.277G	46	5.714G	47	5.531G	48	5.543G
49	5.555G	50	5.358G	51	5.626G	52	5.551G
53	5.294G	54	5.624G	55	5.625G	56	5.463G
57	5.398G	58	5.597G	59	5.645G	60	5.323G
61	5.710G	62	5.295G	63	5.574G	64	5.548G
65	5.436G	66	5.389G	67	5.627G	68	5.648G
69	5.681G	70	5.260G	71	5.266G	72	5.273G
73	5.540G	74	5.433G	75	5.361G	76	5.526G
77	5.629G	78	5.381G	79	5.599G	80	5.485G
81	5.721G	82	5.652G	83	5.685G	84	5.603G
85	5.501G	86	5.428G	87	5.538G	88	5.611G
89	5.351G	90	5.662G	91	5.636G	92	5.290G
93	5.598G	94	5.415G	95	5.719G	96	5.410G
97	5.376G	98	5.283G	99	5.413G	100	5.552G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.710G	2	5.497G	3	5.362G	4	5.357G
5	5.295G	6	5.290G	7	5.345G	8	5.678G
9	5.617G	10	5.565G	11	5.702G	12	5.724G
13	5.666G	14	5.535G	15	5.526G	16	5.308G
17	5.376G	18	5.299G	19	5.668G	20	5.596G
21	5.688G	22	5.633G	23	5.630G	24	5.481G
25	5.694G	26	5.561G	27	5.307G	28	5.714G
29	5.260G	30	5.527G	31	5.315G	32	5.275G
33	5.645G	34	5.518G	35	5.296G	36	5.676G
37	5.281G	38	5.707G	39	5.252G	40	5.626G
41	5.613G	42	5.324G	43	5.616G	44	5.516G
45	5.414G	46	5.660G	47	5.704G	48	5.567G
49	5.614G	50	5.293G	51	5.474G	52	5.542G
53	5.656G	54	5.644G	55	5.445G	56	5.262G
57	5.278G	58	5.470G	59	5.370G	60	5.498G
61	5.669G	62	5.716G	63	5.250G	64	5.625G
65	5.533G	66	5.523G	67	5.514G	68	5.618G
69	5.360G	70	5.368G	71	5.438G	72	5.677G
73	5.652G	74	5.658G	75	5.510G	76	5.343G
77	5.664G	78	5.600G	79	5.534G	80	5.458G
81	5.263G	82	5.391G	83	5.432G	84	5.361G
85	5.573G	86	5.363G	87	5.499G	88	5.420G
89	5.428G	90	5.521G	91	5.439G	92	5.400G
93	5.413G	94	5.422G	95	5.532G	96	5.294G
97	5.538G	98	5.306G	99	5.692G	100	5.629G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.316G	2	5.531G	3	5.334G	4	5.582G
5	5.499G	6	5.580G	7	5.569G	8	5.457G
9	5.438G	10	5.573G	11	5.647G	12	5.620G
13	5.658G	14	5.256G	15	5.604G	16	5.610G
17	5.498G	18	5.329G	19	5.404G	20	5.665G
21	5.525G	22	5.668G	23	5.336G	24	5.640G
25	5.592G	26	5.676G	27	5.419G	28	5.257G
29	5.414G	30	5.442G	31	5.394G	32	5.353G
33	5.653G	34	5.466G	35	5.589G	36	5.441G
37	5.642G	38	5.575G	39	5.374G	40	5.641G
41	5.448G	42	5.481G	43	5.594G	44	5.259G
45	5.505G	46	5.439G	47	5.559G	48	5.723G
49	5.436G	50	5.298G	51	5.335G	52	5.659G
53	5.576G	54	5.646G	55	5.535G	56	5.255G
57	5.570G	58	5.686G	59	5.423G	60	5.715G
61	5.549G	62	5.272G	63	5.397G	64	5.488G
65	5.625G	66	5.437G	67	5.510G	68	5.449G
69	5.458G	70	5.511G	71	5.680G	72	5.277G
73	5.590G	74	5.310G	75	5.724G	76	5.558G
77	5.464G	78	5.574G	79	5.452G	80	5.443G
81	5.545G	82	5.561G	83	5.694G	84	5.564G
85	5.440G	86	5.571G	87	5.262G	88	5.645G
89	5.631G	90	5.478G	91	5.376G	92	5.317G
93	5.315G	94	5.557G	95	5.614G	96	5.622G
97	5.711G	98	5.718G	99	5.619G	100	5.367G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.469G	2	5.346G	3	5.284G	4	5.592G
5	5.251G	6	5.298G	7	5.636G	8	5.688G
9	5.671G	10	5.382G	11	5.473G	12	5.646G
13	5.553G	14	5.322G	15	5.582G	16	5.570G
17	5.526G	18	5.341G	19	5.627G	20	5.378G
21	5.432G	22	5.565G	23	5.318G	24	5.619G
25	5.631G	26	5.642G	27	5.270G	28	5.665G
29	5.512G	30	5.461G	31	5.639G	32	5.500G
33	5.711G	34	5.637G	35	5.643G	36	5.384G
37	5.482G	38	5.413G	39	5.335G	40	5.612G
41	5.253G	42	5.484G	43	5.588G	44	5.598G
45	5.485G	46	5.594G	47	5.316G	48	5.301G
49	5.365G	50	5.411G	51	5.686G	52	5.496G
53	5.548G	54	5.420G	55	5.467G	56	5.557G
57	5.674G	58	5.518G	59	5.254G	60	5.523G
61	5.459G	62	5.262G	63	5.463G	64	5.380G
65	5.425G	66	5.412G	67	5.528G	68	5.672G
69	5.345G	70	5.501G	71	5.721G	72	5.479G
73	5.381G	74	5.542G	75	5.554G	76	5.580G
77	5.337G	78	5.418G	79	5.573G	80	5.371G
81	5.657G	82	5.538G	83	5.547G	84	5.659G
85	5.292G	86	5.294G	87	5.385G	88	5.437G
89	5.649G	90	5.424G	91	5.267G	92	5.449G
93	5.497G	94	5.488G	95	5.259G	96	5.410G
97	5.362G	98	5.272G	99	5.605G	100	5.423G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.296G	2	5.366G	3	5.441G	4	5.562G
5	5.521G	6	5.563G	7	5.489G	8	5.495G
9	5.497G	10	5.700G	11	5.658G	12	5.359G
13	5.463G	14	5.412G	15	5.317G	16	5.690G
17	5.714G	18	5.613G	19	5.420G	20	5.399G
21	5.533G	22	5.611G	23	5.321G	24	5.475G
25	5.286G	26	5.549G	27	5.390G	28	5.608G
29	5.629G	30	5.319G	31	5.696G	32	5.342G
33	5.326G	34	5.593G	35	5.499G	36	5.369G
37	5.672G	38	5.665G	39	5.288G	40	5.328G
41	5.638G	42	5.279G	43	5.656G	44	5.510G
45	5.600G	46	5.389G	47	5.483G	48	5.674G
49	5.311G	50	5.278G	51	5.419G	52	5.490G
53	5.532G	54	5.516G	55	5.641G	56	5.271G
57	5.330G	58	5.268G	59	5.722G	60	5.435G
61	5.346G	62	5.543G	63	5.471G	64	5.481G
65	5.508G	66	5.255G	67	5.455G	68	5.625G
69	5.421G	70	5.354G	71	5.551G	72	5.294G
73	5.642G	74	5.312G	75	5.474G	76	5.308G
77	5.576G	78	5.663G	79	5.667G	80	5.353G
81	5.392G	82	5.623G	83	5.444G	84	5.284G
85	5.467G	86	5.394G	87	5.620G	88	5.689G
89	5.282G	90	5.704G	91	5.340G	92	5.518G
93	5.660G	94	5.250G	95	5.701G	96	5.686G
97	5.310G	98	5.693G	99	5.682G	100	5.702G

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	5.441G	2	5.363G	3	5.287G	4	5.694G
5	5.322G	6	5.535G	7	5.281G	8	5.373G
9	5.484G	10	5.439G	11	5.500G	12	5.380G
13	5.634G	14	5.570G	15	5.313G	16	5.707G
17	5.442G	18	5.640G	19	5.724G	20	5.481G
21	5.279G	22	5.505G	23	5.456G	24	5.451G
25	5.324G	26	5.661G	27	5.572G	28	5.699G
29	5.305G	30	5.719G	31	5.267G	32	5.627G
33	5.650G	34	5.394G	35	5.577G	36	5.349G
37	5.710G	38	5.700G	39	5.602G	40	5.722G
41	5.539G	42	5.460G	43	5.462G	44	5.342G
45	5.711G	46	5.330G	47	5.396G	48	5.551G
49	5.277G	50	5.686G	51	5.620G	52	5.461G
53	5.417G	54	5.560G	55	5.275G	56	5.583G
57	5.568G	58	5.433G	59	5.498G	60	5.292G
61	5.527G	62	5.496G	63	5.675G	64	5.530G
65	5.260G	66	5.307G	67	5.463G	68	5.448G
69	5.705G	70	5.678G	71	5.592G	72	5.393G
73	5.362G	74	5.588G	75	5.589G	76	5.579G
77	5.306G	78	5.712G	79	5.413G	80	5.493G
81	5.372G	82	5.299G	83	5.655G	84	5.323G
85	5.466G	86	5.312G	87	5.311G	88	5.429G
89	5.695G	90	5.389G	91	5.567G	92	5.491G
93	5.523G	94	5.569G	95	5.691G	96	5.304G
97	5.392G	98	5.254G	99	5.597G	100	5.485G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.661G	2	5.271G	3	5.400G	4	5.383G
5	5.278G	6	5.358G	7	5.344G	8	5.613G
9	5.519G	10	5.712G	11	5.463G	12	5.618G
13	5.529G	14	5.370G	15	5.515G	16	5.595G
17	5.496G	18	5.512G	19	5.566G	20	5.267G
21	5.583G	22	5.540G	23	5.724G	24	5.608G
25	5.254G	26	5.502G	27	5.530G	28	5.505G
29	5.261G	30	5.428G	31	5.419G	32	5.510G
33	5.395G	34	5.513G	35	5.523G	36	5.415G
37	5.441G	38	5.625G	39	5.351G	40	5.443G
41	5.616G	42	5.570G	43	5.699G	44	5.511G
45	5.279G	46	5.318G	47	5.330G	48	5.562G
49	5.276G	50	5.537G	51	5.501G	52	5.692G
53	5.670G	54	5.575G	55	5.577G	56	5.480G
57	5.563G	58	5.627G	59	5.315G	60	5.705G
61	5.681G	62	5.409G	63	5.375G	64	5.682G
65	5.324G	66	5.599G	67	5.386G	68	5.460G
69	5.603G	70	5.667G	71	5.320G	72	5.622G
73	5.658G	74	5.662G	75	5.573G	76	5.332G
77	5.256G	78	5.646G	79	5.262G	80	5.299G
81	5.579G	82	5.355G	83	5.672G	84	5.446G
85	5.437G	86	5.632G	87	5.521G	88	5.394G
89	5.600G	90	5.345G	91	5.311G	92	5.716G
93	5.552G	94	5.624G	95	5.691G	96	5.703G
97	5.675G	98	5.452G	99	5.477G	100	5.263G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.594G	2	5.419G	3	5.407G	4	5.372G
5	5.448G	6	5.575G	7	5.698G	8	5.701G
9	5.607G	10	5.405G	11	5.522G	12	5.598G
13	5.560G	14	5.437G	15	5.451G	16	5.376G
17	5.478G	18	5.690G	19	5.378G	20	5.367G
21	5.395G	22	5.433G	23	5.427G	24	5.664G
25	5.464G	26	5.499G	27	5.644G	28	5.269G
29	5.670G	30	5.479G	31	5.302G	32	5.653G
33	5.706G	34	5.260G	35	5.489G	36	5.590G
37	5.324G	38	5.675G	39	5.508G	40	5.306G
41	5.369G	42	5.573G	43	5.600G	44	5.330G
45	5.255G	46	5.288G	47	5.488G	48	5.591G
49	5.546G	50	5.721G	51	5.520G	52	5.410G
53	5.435G	54	5.700G	55	5.533G	56	5.652G
57	5.504G	58	5.388G	59	5.572G	60	5.631G
61	5.510G	62	5.423G	63	5.714G	64	5.441G
65	5.498G	66	5.691G	67	5.446G	68	5.389G
69	5.462G	70	5.420G	71	5.375G	72	5.697G
73	5.467G	74	5.672G	75	5.335G	76	5.620G
77	5.254G	78	5.374G	79	5.506G	80	5.532G
81	5.658G	82	5.347G	83	5.627G	84	5.278G
85	5.431G	86	5.352G	87	5.614G	88	5.551G
89	5.619G	90	5.422G	91	5.651G	92	5.673G
93	5.326G	94	5.259G	95	5.524G	96	5.390G
97	5.719G	98	5.585G	99	5.640G	100	5.641G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.393G	2	5.392G	3	5.618G	4	5.331G
5	5.456G	6	5.486G	7	5.472G	8	5.506G
9	5.288G	10	5.426G	11	5.355G	12	5.465G
13	5.442G	14	5.691G	15	5.315G	16	5.611G
17	5.432G	18	5.409G	19	5.251G	20	5.422G
21	5.648G	22	5.480G	23	5.394G	24	5.307G
25	5.502G	26	5.670G	27	5.565G	28	5.599G
29	5.530G	30	5.498G	31	5.711G	32	5.664G
33	5.419G	34	5.510G	35	5.580G	36	5.535G
37	5.538G	38	5.365G	39	5.269G	40	5.370G
41	5.640G	42	5.566G	43	5.698G	44	5.528G
45	5.682G	46	5.344G	47	5.556G	48	5.515G
49	5.418G	50	5.289G	51	5.563G	52	5.371G
53	5.349G	54	5.607G	55	5.588G	56	5.322G
57	5.279G	58	5.373G	59	5.700G	60	5.542G
61	5.306G	62	5.570G	63	5.374G	64	5.477G
65	5.501G	66	5.294G	67	5.631G	68	5.587G
69	5.361G	70	5.429G	71	5.404G	72	5.513G
73	5.268G	74	5.598G	75	5.662G	76	5.520G
77	5.507G	78	5.309G	79	5.377G	80	5.351G
81	5.412G	82	5.496G	83	5.511G	84	5.400G
85	5.398G	86	5.524G	87	5.571G	88	5.463G
89	5.339G	90	5.388G	91	5.610G	92	5.539G
93	5.347G	94	5.707G	95	5.384G	96	5.362G
97	5.701G	98	5.314G	99	5.408G	100	5.613G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.636G	2	5.282G	3	5.561G	4	5.352G
5	5.602G	6	5.650G	7	5.559G	8	5.653G
9	5.518G	10	5.334G	11	5.543G	12	5.718G
13	5.590G	14	5.634G	15	5.649G	16	5.564G
17	5.580G	18	5.288G	19	5.599G	20	5.443G
21	5.507G	22	5.506G	23	5.496G	24	5.343G
25	5.399G	26	5.555G	27	5.584G	28	5.277G
29	5.317G	30	5.309G	31	5.567G	32	5.608G
33	5.658G	34	5.359G	35	5.454G	36	5.326G
37	5.571G	38	5.360G	39	5.323G	40	5.314G
41	5.698G	42	5.272G	43	5.421G	44	5.676G
45	5.639G	46	5.405G	47	5.340G	48	5.645G
49	5.655G	50	5.502G	51	5.598G	52	5.371G
53	5.430G	54	5.395G	55	5.268G	56	5.557G
57	5.539G	58	5.346G	59	5.629G	60	5.722G
61	5.315G	62	5.313G	63	5.711G	64	5.419G
65	5.458G	66	5.295G	67	5.485G	68	5.585G
69	5.353G	70	5.723G	71	5.609G	72	5.337G
73	5.466G	74	5.320G	75	5.604G	76	5.408G
77	5.278G	78	5.614G	79	5.482G	80	5.704G
81	5.328G	82	5.631G	83	5.688G	84	5.720G
85	5.381G	86	5.289G	87	5.390G	88	5.451G
89	5.400G	90	5.357G	91	5.383G	92	5.684G
93	5.252G	94	5.308G	95	5.437G	96	5.330G
97	5.549G	98	5.550G	99	5.548G	100	5.380G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.484G	2	5.544G	3	5.425G	4	5.456G
5	5.669G	6	5.431G	7	5.707G	8	5.714G
9	5.702G	10	5.420G	11	5.665G	12	5.683G
13	5.540G	14	5.470G	15	5.644G	16	5.572G
17	5.294G	18	5.338G	19	5.510G	20	5.566G
21	5.505G	22	5.401G	23	5.710G	24	5.687G
25	5.649G	26	5.412G	27	5.411G	28	5.695G
29	5.663G	30	5.521G	31	5.703G	32	5.281G
33	5.594G	34	5.515G	35	5.597G	36	5.301G
37	5.250G	38	5.306G	39	5.292G	40	5.348G
41	5.548G	42	5.498G	43	5.580G	44	5.658G
45	5.445G	46	5.533G	47	5.260G	48	5.283G
49	5.465G	50	5.573G	51	5.719G	52	5.543G
53	5.336G	54	5.280G	55	5.626G	56	5.389G
57	5.613G	58	5.265G	59	5.607G	60	5.560G
61	5.599G	62	5.485G	63	5.509G	64	5.357G
65	5.258G	66	5.284G	67	5.309G	68	5.647G
69	5.656G	70	5.312G	71	5.660G	72	5.354G
73	5.677G	74	5.375G	75	5.546G	76	5.486G
77	5.321G	78	5.461G	79	5.488G	80	5.285G
81	5.430G	82	5.627G	83	5.623G	84	5.351G
85	5.541G	86	5.699G	87	5.582G	88	5.691G
89	5.311G	90	5.473G	91	5.362G	92	5.383G
93	5.335G	94	5.449G	95	5.363G	96	5.532G
97	5.518G	98	5.720G	99	5.266G	100	5.380G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.512G	2	5.500G	3	5.368G	4	5.540G
5	5.688G	6	5.263G	7	5.556G	8	5.528G
9	5.712G	10	5.315G	11	5.280G	12	5.553G
13	5.660G	14	5.611G	15	5.257G	16	5.339G
17	5.361G	18	5.433G	19	5.710G	20	5.621G
21	5.456G	22	5.591G	23	5.449G	24	5.483G
25	5.560G	26	5.334G	27	5.596G	28	5.617G
29	5.276G	30	5.644G	31	5.329G	32	5.530G
33	5.541G	34	5.401G	35	5.519G	36	5.582G
37	5.345G	38	5.592G	39	5.570G	40	5.273G
41	5.647G	42	5.667G	43	5.437G	44	5.472G
45	5.719G	46	5.384G	47	5.537G	48	5.550G
49	5.632G	50	5.341G	51	5.694G	52	5.605G
53	5.362G	54	5.689G	55	5.662G	56	5.445G
57	5.298G	58	5.633G	59	5.454G	60	5.331G
61	5.648G	62	5.569G	63	5.411G	64	5.310G
65	5.389G	66	5.347G	67	5.597G	68	5.682G
69	5.471G	70	5.275G	71	5.476G	72	5.387G
73	5.655G	74	5.666G	75	5.499G	76	5.338G
77	5.465G	78	5.620G	79	5.496G	80	5.524G
81	5.542G	82	5.450G	83	5.645G	84	5.583G
85	5.635G	86	5.326G	87	5.311G	88	5.301G
89	5.634G	90	5.585G	91	5.436G	92	5.636G
93	5.435G	94	5.643G	95	5.320G	96	5.624G
97	5.381G	98	5.446G	99	5.581G	100	5.601G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.378G	2	5.626G	3	5.480G	4	5.376G
5	5.504G	6	5.315G	7	5.256G	8	5.713G
9	5.564G	10	5.516G	11	5.339G	12	5.371G
13	5.463G	14	5.431G	15	5.691G	16	5.596G
17	5.513G	18	5.447G	19	5.598G	20	5.444G
21	5.662G	22	5.681G	23	5.393G	24	5.647G
25	5.316G	26	5.523G	27	5.593G	28	5.639G
29	5.324G	30	5.586G	31	5.574G	32	5.468G
33	5.423G	34	5.492G	35	5.276G	36	5.497G
37	5.671G	38	5.521G	39	5.360G	40	5.253G
41	5.602G	42	5.703G	43	5.718G	44	5.469G
45	5.664G	46	5.254G	47	5.425G	48	5.706G
49	5.519G	50	5.258G	51	5.548G	52	5.673G
53	5.337G	54	5.704G	55	5.690G	56	5.628G
57	5.439G	58	5.542G	59	5.672G	60	5.307G
61	5.290G	62	5.541G	63	5.322G	64	5.350G
65	5.363G	66	5.637G	67	5.369G	68	5.282G
69	5.583G	70	5.358G	71	5.357G	72	5.562G
73	5.534G	74	5.461G	75	5.575G	76	5.283G
77	5.569G	78	5.724G	79	5.539G	80	5.265G
81	5.619G	82	5.629G	83	5.415G	84	5.489G
85	5.280G	86	5.313G	87	5.510G	88	5.603G
89	5.500G	90	5.627G	91	5.668G	92	5.374G
93	5.352G	94	5.306G	95	5.678G	96	5.257G
97	5.278G	98	5.670G	99	5.650G	100	5.633G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.520G	2	5.552G	3	5.384G	4	5.346G
5	5.635G	6	5.449G	7	5.349G	8	5.599G
9	5.367G	10	5.689G	11	5.378G	12	5.380G
13	5.271G	14	5.463G	15	5.580G	16	5.554G
17	5.710G	18	5.284G	19	5.668G	20	5.277G
21	5.321G	22	5.550G	23	5.421G	24	5.646G
25	5.355G	26	5.359G	27	5.644G	28	5.655G
29	5.504G	30	5.496G	31	5.675G	32	5.616G
33	5.571G	34	5.414G	35	5.287G	36	5.650G
37	5.390G	38	5.428G	39	5.461G	40	5.601G
41	5.439G	42	5.529G	43	5.627G	44	5.302G
45	5.573G	46	5.308G	47	5.622G	48	5.652G
49	5.392G	50	5.564G	51	5.404G	52	5.372G
53	5.265G	54	5.281G	55	5.506G	56	5.620G
57	5.446G	58	5.403G	59	5.722G	60	5.332G
61	5.385G	62	5.711G	63	5.459G	64	5.261G
65	5.285G	66	5.708G	67	5.292G	68	5.557G
69	5.558G	70	5.296G	71	5.443G	72	5.683G
73	5.545G	74	5.280G	75	5.450G	76	5.685G
77	5.298G	78	5.476G	79	5.598G	80	5.397G
81	5.697G	82	5.326G	83	5.492G	84	5.453G
85	5.454G	86	5.548G	87	5.426G	88	5.528G
89	5.341G	90	5.482G	91	5.510G	92	5.338G
93	5.673G	94	5.578G	95	5.690G	96	5.365G
97	5.659G	98	5.533G	99	5.270G	100	5.501G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.405G	2	5.521G	3	5.416G	4	5.399G
5	5.678G	6	5.284G	7	5.696G	8	5.295G
9	5.499G	10	5.676G	11	5.298G	12	5.437G
13	5.330G	14	5.641G	15	5.502G	16	5.352G
17	5.508G	18	5.392G	19	5.555G	20	5.294G
21	5.259G	22	5.406G	23	5.580G	24	5.481G
25	5.708G	26	5.680G	27	5.361G	28	5.592G
29	5.345G	30	5.303G	31	5.448G	32	5.548G
33	5.451G	34	5.372G	35	5.474G	36	5.443G
37	5.630G	38	5.679G	39	5.327G	40	5.445G
41	5.460G	42	5.472G	43	5.516G	44	5.594G
45	5.347G	46	5.427G	47	5.535G	48	5.517G
49	5.334G	50	5.462G	51	5.378G	52	5.582G
53	5.452G	54	5.646G	55	5.554G	56	5.453G
57	5.549G	58	5.518G	59	5.489G	60	5.560G
61	5.644G	62	5.485G	63	5.340G	64	5.622G
65	5.299G	66	5.408G	67	5.626G	68	5.260G
69	5.383G	70	5.366G	71	5.599G	72	5.305G
73	5.421G	74	5.590G	75	5.608G	76	5.367G
77	5.379G	78	5.506G	79	5.380G	80	5.547G
81	5.435G	82	5.409G	83	5.692G	84	5.371G
85	5.346G	86	5.277G	87	5.537G	88	5.486G
89	5.527G	90	5.509G	91	5.375G	92	5.602G
93	5.477G	94	5.684G	95	5.363G	96	5.464G
97	5.358G	98	5.609G	99	5.349G	100	5.491G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.449G	2	5.423G	3	5.583G	4	5.335G
5	5.316G	6	5.376G	7	5.301G	8	5.637G
9	5.349G	10	5.719G	11	5.657G	12	5.446G
13	5.418G	14	5.350G	15	5.597G	16	5.362G
17	5.610G	18	5.265G	19	5.721G	20	5.406G
21	5.293G	22	5.698G	23	5.704G	24	5.546G
25	5.604G	26	5.498G	27	5.398G	28	5.351G
29	5.336G	30	5.340G	31	5.639G	32	5.412G
33	5.633G	34	5.627G	35	5.339G	36	5.601G
37	5.471G	38	5.410G	39	5.612G	40	5.669G
41	5.672G	42	5.256G	43	5.702G	44	5.306G
45	5.714G	46	5.453G	47	5.654G	48	5.553G
49	5.326G	50	5.653G	51	5.460G	52	5.605G
53	5.505G	54	5.618G	55	5.436G	56	5.626G
57	5.547G	58	5.599G	59	5.483G	60	5.489G
61	5.416G	62	5.338G	63	5.426G	64	5.304G
65	5.270G	66	5.545G	67	5.646G	68	5.352G
69	5.552G	70	5.297G	71	5.296G	72	5.443G
73	5.699G	74	5.587G	75	5.291G	76	5.476G
77	5.681G	78	5.624G	79	5.717G	80	5.634G
81	5.493G	82	5.715G	83	5.332G	84	5.644G
85	5.722G	86	5.632G	87	5.529G	88	5.276G
89	5.427G	90	5.477G	91	5.259G	92	5.419G
93	5.330G	94	5.503G	95	5.462G	96	5.341G
97	5.507G	98	5.671G	99	5.313G	100	5.692G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.584G	2	5.388G	3	5.395G	4	5.379G
5	5.502G	6	5.531G	7	5.491G	8	5.320G
9	5.456G	10	5.280G	11	5.714G	12	5.590G
13	5.484G	14	5.302G	15	5.327G	16	5.654G
17	5.705G	18	5.566G	19	5.624G	20	5.420G
21	5.641G	22	5.437G	23	5.462G	24	5.354G
25	5.258G	26	5.577G	27	5.440G	28	5.509G
29	5.511G	30	5.314G	31	5.403G	32	5.497G
33	5.485G	34	5.452G	35	5.542G	36	5.309G
37	5.449G	38	5.424G	39	5.703G	40	5.297G
41	5.505G	42	5.529G	43	5.507G	44	5.583G
45	5.275G	46	5.684G	47	5.638G	48	5.400G
49	5.544G	50	5.561G	51	5.381G	52	5.651G
53	5.331G	54	5.712G	55	5.307G	56	5.667G
57	5.310G	58	5.586G	59	5.564G	60	5.299G
61	5.265G	62	5.394G	63	5.290G	64	5.448G
65	5.640G	66	5.515G	67	5.285G	68	5.628G
69	5.622G	70	5.695G	71	5.669G	72	5.656G
73	5.681G	74	5.358G	75	5.375G	76	5.659G
77	5.587G	78	5.274G	79	5.724G	80	5.438G
81	5.612G	82	5.315G	83	5.685G	84	5.500G
85	5.422G	86	5.677G	87	5.276G	88	5.264G
89	5.476G	90	5.609G	91	5.692G	92	5.621G
93	5.488G	94	5.558G	95	5.352G	96	5.540G
97	5.466G	98	5.257G	99	5.306G	100	5.364G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.287G	2	5.580G	3	5.689G	4	5.657G
5	5.367G	6	5.648G	7	5.501G	8	5.256G
9	5.566G	10	5.574G	11	5.606G	12	5.602G
13	5.579G	14	5.618G	15	5.617G	16	5.407G
17	5.291G	18	5.713G	19	5.468G	20	5.329G
21	5.493G	22	5.533G	23	5.308G	24	5.399G
25	5.321G	26	5.434G	27	5.450G	28	5.539G
29	5.396G	30	5.664G	31	5.356G	32	5.555G
33	5.397G	34	5.639G	35	5.271G	36	5.293G
37	5.269G	38	5.337G	39	5.288G	40	5.620G
41	5.709G	42	5.332G	43	5.436G	44	5.723G
45	5.445G	46	5.300G	47	5.590G	48	5.340G
49	5.474G	50	5.524G	51	5.563G	52	5.264G
53	5.483G	54	5.470G	55	5.711G	56	5.634G
57	5.402G	58	5.346G	59	5.480G	60	5.686G
61	5.552G	62	5.595G	63	5.656G	64	5.655G
65	5.653G	66	5.513G	67	5.458G	68	5.432G
69	5.496G	70	5.342G	71	5.304G	72	5.530G
73	5.272G	74	5.518G	75	5.437G	76	5.282G
77	5.285G	78	5.426G	79	5.453G	80	5.623G
81	5.509G	82	5.469G	83	5.331G	84	5.662G
85	5.498G	86	5.252G	87	5.289G	88	5.715G
89	5.546G	90	5.265G	91	5.325G	92	5.456G
93	5.521G	94	5.323G	95	5.500G	96	5.328G
97	5.428G	98	5.476G	99	5.683G	100	5.451G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.477G	2	5.405G	3	5.254G	4	5.723G
5	5.409G	6	5.336G	7	5.349G	8	5.467G
9	5.549G	10	5.682G	11	5.515G	12	5.334G
13	5.706G	14	5.561G	15	5.462G	16	5.250G
17	5.615G	18	5.614G	19	5.642G	20	5.256G
21	5.356G	22	5.532G	23	5.329G	24	5.277G
25	5.332G	26	5.385G	27	5.294G	28	5.364G
29	5.578G	30	5.374G	31	5.718G	32	5.533G
33	5.270G	34	5.463G	35	5.673G	36	5.628G
37	5.591G	38	5.402G	39	5.289G	40	5.333G
41	5.320G	42	5.616G	43	5.410G	44	5.559G
45	5.251G	46	5.704G	47	5.528G	48	5.373G
49	5.465G	50	5.325G	51	5.668G	52	5.509G
53	5.296G	54	5.493G	55	5.624G	56	5.372G
57	5.617G	58	5.676G	59	5.303G	60	5.654G
61	5.458G	62	5.585G	63	5.543G	64	5.684G
65	5.412G	66	5.375G	67	5.677G	68	5.324G
69	5.436G	70	5.307G	71	5.285G	72	5.490G
73	5.435G	74	5.692G	75	5.498G	76	5.669G
77	5.446G	78	5.376G	79	5.288G	80	5.413G
81	5.284G	82	5.537G	83	5.576G	84	5.663G
85	5.601G	86	5.352G	87	5.544G	88	5.404G
89	5.666G	90	5.540G	91	5.259G	92	5.420G
93	5.570G	94	5.470G	95	5.475G	96	5.379G
97	5.546G	98	5.594G	99	5.584G	100	5.562G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.486G	2	5.304G	3	5.471G	4	5.482G
5	5.490G	6	5.468G	7	5.651G	8	5.681G
9	5.724G	10	5.260G	11	5.278G	12	5.307G
13	5.699G	14	5.481G	15	5.428G	16	5.565G
17	5.341G	18	5.571G	19	5.600G	20	5.289G
21	5.321G	22	5.644G	23	5.320G	24	5.683G
25	5.690G	26	5.252G	27	5.474G	28	5.685G
29	5.624G	30	5.546G	31	5.638G	32	5.336G
33	5.534G	34	5.441G	35	5.564G	36	5.711G
37	5.399G	38	5.506G	39	5.661G	40	5.254G
41	5.427G	42	5.485G	43	5.327G	44	5.524G
45	5.641G	46	5.511G	47	5.422G	48	5.586G
49	5.344G	50	5.629G	51	5.696G	52	5.655G
53	5.541G	54	5.417G	55	5.507G	56	5.617G
57	5.346G	58	5.328G	59	5.291G	60	5.323G
61	5.423G	62	5.532G	63	5.575G	64	5.435G
65	5.611G	66	5.419G	67	5.589G	68	5.646G
69	5.340G	70	5.311G	71	5.342G	72	5.529G
73	5.675G	74	5.578G	75	5.406G	76	5.667G
77	5.515G	78	5.316G	79	5.332G	80	5.566G
81	5.431G	82	5.335G	83	5.262G	84	5.377G
85	5.488G	86	5.647G	87	5.584G	88	5.467G
89	5.395G	90	5.382G	91	5.657G	92	5.258G
93	5.606G	94	5.635G	95	5.285G	96	5.621G
97	5.272G	98	5.714G	99	5.301G	100	5.472G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.654G	2	5.514G	3	5.281G	4	5.422G
5	5.375G	6	5.398G	7	5.664G	8	5.659G
9	5.510G	10	5.598G	11	5.694G	12	5.691G
13	5.481G	14	5.303G	15	5.563G	16	5.683G
17	5.609G	18	5.540G	19	5.489G	20	5.267G
21	5.698G	22	5.309G	23	5.406G	24	5.509G
25	5.577G	26	5.286G	27	5.695G	28	5.675G
29	5.676G	30	5.287G	31	5.269G	32	5.302G
33	5.253G	34	5.690G	35	5.328G	36	5.663G
37	5.641G	38	5.395G	39	5.252G	40	5.462G
41	5.429G	42	5.672G	43	5.697G	44	5.643G
45	5.488G	46	5.386G	47	5.414G	48	5.549G
49	5.401G	50	5.364G	51	5.601G	52	5.333G
53	5.606G	54	5.474G	55	5.522G	56	5.314G
57	5.670G	58	5.711G	59	5.458G	60	5.684G
61	5.503G	62	5.486G	63	5.497G	64	5.667G
65	5.416G	66	5.372G	67	5.415G	68	5.719G
69	5.604G	70	5.615G	71	5.573G	72	5.357G
73	5.555G	74	5.402G	75	5.702G	76	5.428G
77	5.318G	78	5.338G	79	5.572G	80	5.518G
81	5.258G	82	5.439G	83	5.622G	84	5.628G
85	5.647G	86	5.693G	87	5.413G	88	5.585G
89	5.334G	90	5.669G	91	5.696G	92	5.475G
93	5.324G	94	5.610G	95	5.541G	96	5.316G
97	5.687G	98	5.330G	99	5.354G	100	5.339G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.722G	2	5.358G	3	5.717G	4	5.410G
5	5.613G	6	5.406G	7	5.356G	8	5.325G
9	5.403G	10	5.426G	11	5.448G	12	5.712G
13	5.363G	14	5.350G	15	5.483G	16	5.368G
17	5.541G	18	5.653G	19	5.373G	20	5.582G
21	5.467G	22	5.263G	23	5.569G	24	5.508G
25	5.414G	26	5.723G	27	5.488G	28	5.645G
29	5.378G	30	5.590G	31	5.278G	32	5.271G
33	5.688G	34	5.618G	35	5.380G	36	5.314G
37	5.643G	38	5.289G	39	5.331G	40	5.282G
41	5.480G	42	5.499G	43	5.265G	44	5.482G
45	5.567G	46	5.611G	47	5.302G	48	5.285G
49	5.342G	50	5.523G	51	5.600G	52	5.309G
53	5.639G	54	5.625G	55	5.687G	56	5.347G
57	5.629G	58	5.704G	59	5.343G	60	5.462G
61	5.522G	62	5.257G	63	5.655G	64	5.442G
65	5.640G	66	5.617G	67	5.700G	68	5.606G
69	5.382G	70	5.474G	71	5.708G	72	5.455G
73	5.260G	74	5.573G	75	5.286G	76	5.580G
77	5.656G	78	5.542G	79	5.490G	80	5.320G
81	5.322G	82	5.270G	83	5.566G	84	5.554G
85	5.560G	86	5.724G	87	5.367G	88	5.622G
89	5.576G	90	5.401G	91	5.637G	92	5.513G
93	5.689G	94	5.316G	95	5.397G	96	5.686G
97	5.636G	98	5.251G	99	5.718G	100	5.548G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.465G	2	5.622G	3	5.524G	4	5.546G
5	5.700G	6	5.685G	7	5.286G	8	5.356G
9	5.647G	10	5.688G	11	5.413G	12	5.418G
13	5.613G	14	5.618G	15	5.391G	16	5.328G
17	5.625G	18	5.511G	19	5.579G	20	5.261G
21	5.332G	22	5.406G	23	5.484G	24	5.674G
25	5.264G	26	5.587G	27	5.274G	28	5.508G
29	5.446G	30	5.704G	31	5.483G	32	5.338G
33	5.257G	34	5.445G	35	5.569G	36	5.384G
37	5.614G	38	5.259G	39	5.342G	40	5.379G
41	5.279G	42	5.612G	43	5.344G	44	5.315G
45	5.386G	46	5.657G	47	5.693G	48	5.586G
49	5.626G	50	5.599G	51	5.266G	52	5.554G
53	5.669G	54	5.331G	55	5.360G	56	5.570G
57	5.532G	58	5.388G	59	5.724G	60	5.316G
61	5.530G	62	5.275G	63	5.710G	64	5.552G
65	5.452G	66	5.319G	67	5.608G	68	5.650G
69	5.309G	70	5.475G	71	5.502G	72	5.416G
73	5.277G	74	5.260G	75	5.419G	76	5.314G
77	5.337G	78	5.361G	79	5.690G	80	5.580G
81	5.267G	82	5.444G	83	5.370G	84	5.394G
85	5.594G	86	5.541G	87	5.607G	88	5.433G
89	5.510G	90	5.537G	91	5.538G	92	5.590G
93	5.507G	94	5.436G	95	5.289G	96	5.414G
97	5.263G	98	5.600G	99	5.550G	100	5.517G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.394G	2	5.536G	3	5.361G	4	5.668G
5	5.496G	6	5.388G	7	5.450G	8	5.287G
9	5.422G	10	5.513G	11	5.572G	12	5.324G
13	5.268G	14	5.257G	15	5.467G	16	5.650G
17	5.524G	18	5.595G	19	5.497G	20	5.449G
21	5.435G	22	5.698G	23	5.699G	24	5.259G
25	5.719G	26	5.340G	27	5.529G	28	5.411G
29	5.612G	30	5.706G	31	5.397G	32	5.620G
33	5.627G	34	5.341G	35	5.603G	36	5.462G
37	5.298G	38	5.283G	39	5.489G	40	5.343G
41	5.695G	42	5.255G	43	5.374G	44	5.599G
45	5.580G	46	5.469G	47	5.346G	48	5.453G
49	5.351G	50	5.557G	51	5.463G	52	5.574G
53	5.349G	54	5.684G	55	5.406G	56	5.702G
57	5.722G	58	5.540G	59	5.386G	60	5.694G
61	5.697G	62	5.445G	63	5.428G	64	5.302G
65	5.473G	66	5.542G	67	5.692G	68	5.559G
69	5.391G	70	5.300G	71	5.674G	72	5.535G
73	5.270G	74	5.400G	75	5.663G	76	5.360G
77	5.329G	78	5.588G	79	5.541G	80	5.276G
81	5.577G	82	5.382G	83	5.470G	84	5.282G
85	5.448G	86	5.584G	87	5.662G	88	5.279G
89	5.481G	90	5.551G	91	5.293G	92	5.415G
93	5.528G	94	5.433G	95	5.607G	96	5.585G
97	5.558G	98	5.404G	99	5.523G	100	5.638G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.422G	2	5.584G	3	5.322G	4	5.716G
5	5.333G	6	5.586G	7	5.633G	8	5.403G
9	5.456G	10	5.635G	11	5.676G	12	5.531G
13	5.639G	14	5.640G	15	5.527G	16	5.517G
17	5.543G	18	5.482G	19	5.547G	20	5.493G
21	5.293G	22	5.641G	23	5.646G	24	5.420G
25	5.671G	26	5.533G	27	5.719G	28	5.632G
29	5.349G	30	5.622G	31	5.478G	32	5.374G
33	5.387G	34	5.723G	35	5.490G	36	5.288G
37	5.473G	38	5.472G	39	5.394G	40	5.553G
41	5.556G	42	5.574G	43	5.599G	44	5.682G
45	5.534G	46	5.255G	47	5.405G	48	5.275G
49	5.561G	50	5.660G	51	5.451G	52	5.379G
53	5.541G	54	5.492G	55	5.530G	56	5.267G
57	5.266G	58	5.431G	59	5.693G	60	5.441G
61	5.450G	62	5.596G	63	5.323G	64	5.625G
65	5.698G	66	5.718G	67	5.251G	68	5.706G
69	5.623G	70	5.673G	71	5.268G	72	5.315G
73	5.282G	74	5.491G	75	5.383G	76	5.498G
77	5.412G	78	5.369G	79	5.607G	80	5.587G
81	5.319G	82	5.617G	83	5.554G	84	5.510G
85	5.398G	86	5.724G	87	5.582G	88	5.457G
89	5.573G	90	5.480G	91	5.544G	92	5.703G
93	5.416G	94	5.381G	95	5.270G	96	5.540G
97	5.609G	98	5.397G	99	5.390G	100	5.396G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.508G	2	5.470G	3	5.663G	4	5.295G
5	5.578G	6	5.585G	7	5.682G	8	5.339G
9	5.587G	10	5.711G	11	5.565G	12	5.419G
13	5.411G	14	5.451G	15	5.283G	16	5.723G
17	5.315G	18	5.505G	19	5.490G	20	5.527G
21	5.285G	22	5.647G	23	5.421G	24	5.597G
25	5.340G	26	5.427G	27	5.399G	28	5.362G
29	5.594G	30	5.655G	31	5.257G	32	5.710G
33	5.707G	34	5.574G	35	5.685G	36	5.369G
37	5.624G	38	5.409G	39	5.481G	40	5.686G
41	5.657G	42	5.487G	43	5.418G	44	5.331G
45	5.619G	46	5.413G	47	5.645G	48	5.328G
49	5.382G	50	5.474G	51	5.361G	52	5.515G
53	5.308G	54	5.476G	55	5.604G	56	5.500G
57	5.620G	58	5.719G	59	5.302G	60	5.293G
61	5.317G	62	5.673G	63	5.342G	64	5.662G
65	5.465G	66	5.424G	67	5.437G	68	5.255G
69	5.405G	70	5.314G	71	5.436G	72	5.671G
73	5.334G	74	5.653G	75	5.720G	76	5.549G
77	5.649G	78	5.426G	79	5.412G	80	5.509G
81	5.675G	82	5.674G	83	5.625G	84	5.360G
85	5.434G	86	5.626G	87	5.380G	88	5.588G
89	5.698G	90	5.646G	91	5.403G	92	5.393G
93	5.580G	94	5.699G	95	5.462G	96	5.420G
97	5.551G	98	5.510G	99	5.600G	100	5.312G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.566G	2	5.389G	3	5.658G	4	5.254G
5	5.413G	6	5.307G	7	5.591G	8	5.706G
9	5.343G	10	5.569G	11	5.465G	12	5.304G
13	5.712G	14	5.403G	15	5.692G	16	5.397G
17	5.339G	18	5.274G	19	5.500G	20	5.346G
21	5.677G	22	5.648G	23	5.720G	24	5.633G
25	5.527G	26	5.352G	27	5.277G	28	5.540G
29	5.316G	30	5.691G	31	5.590G	32	5.567G
33	5.468G	34	5.376G	35	5.721G	36	5.444G
37	5.606G	38	5.559G	39	5.391G	40	5.258G
41	5.612G	42	5.488G	43	5.615G	44	5.557G
45	5.490G	46	5.710G	47	5.279G	48	5.324G
49	5.597G	50	5.596G	51	5.404G	52	5.638G
53	5.341G	54	5.394G	55	5.624G	56	5.398G
57	5.660G	58	5.291G	59	5.548G	60	5.546G
61	5.424G	62	5.617G	63	5.573G	64	5.379G
65	5.555G	66	5.698G	67	5.285G	68	5.524G
69	5.439G	70	5.299G	71	5.496G	72	5.664G
73	5.445G	74	5.599G	75	5.264G	76	5.433G
77	5.369G	78	5.571G	79	5.357G	80	5.358G
81	5.342G	82	5.529G	83	5.475G	84	5.298G
85	5.627G	86	5.632G	87	5.685G	88	5.620G
89	5.282G	90	5.303G	91	5.448G	92	5.412G
93	5.370G	94	5.454G	95	5.365G	96	5.255G
97	5.438G	98	5.483G	99	5.443G	100	5.610G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.532G	2	5.690G	3	5.313G	4	5.573G
5	5.284G	6	5.644G	7	5.626G	8	5.455G
9	5.555G	10	5.385G	11	5.607G	12	5.638G
13	5.302G	14	5.291G	15	5.435G	16	5.337G
17	5.706G	18	5.270G	19	5.630G	20	5.572G
21	5.612G	22	5.586G	23	5.705G	24	5.463G
25	5.595G	26	5.460G	27	5.516G	28	5.254G
29	5.393G	30	5.623G	31	5.559G	32	5.376G
33	5.487G	34	5.255G	35	5.277G	36	5.508G
37	5.260G	38	5.378G	39	5.554G	40	5.375G
41	5.627G	42	5.398G	43	5.343G	44	5.349G
45	5.350G	46	5.352G	47	5.688G	48	5.321G
49	5.367G	50	5.510G	51	5.564G	52	5.583G
53	5.258G	54	5.279G	55	5.273G	56	5.560G
57	5.676G	58	5.600G	59	5.416G	60	5.252G
61	5.722G	62	5.673G	63	5.342G	64	5.537G
65	5.566G	66	5.514G	67	5.354G	68	5.709G
69	5.674G	70	5.655G	71	5.296G	72	5.369G
73	5.413G	74	5.621G	75	5.300G	76	5.539G
77	5.518G	78	5.511G	79	5.391G	80	5.459G
81	5.499G	82	5.419G	83	5.299G	84	5.479G
85	5.540G	86	5.502G	87	5.577G	88	5.699G
89	5.581G	90	5.424G	91	5.310G	92	5.364G
93	5.275G	94	5.523G	95	5.632G	96	5.353G
97	5.330G	98	5.671G	99	5.380G	100	5.565G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.719G	2	5.431G	3	5.271G	4	5.275G
5	5.433G	6	5.509G	7	5.511G	8	5.334G
9	5.596G	10	5.652G	11	5.382G	12	5.274G
13	5.290G	14	5.436G	15	5.439G	16	5.476G
17	5.630G	18	5.300G	19	5.355G	20	5.650G
21	5.615G	22	5.360G	23	5.603G	24	5.287G
25	5.422G	26	5.410G	27	5.474G	28	5.367G
29	5.576G	30	5.545G	31	5.366G	32	5.602G
33	5.428G	34	5.681G	35	5.556G	36	5.462G
37	5.590G	38	5.340G	39	5.686G	40	5.529G
41	5.370G	42	5.710G	43	5.549G	44	5.637G
45	5.568G	46	5.411G	47	5.460G	48	5.390G
49	5.591G	50	5.618G	51	5.663G	52	5.346G
53	5.470G	54	5.598G	55	5.379G	56	5.467G
57	5.557G	58	5.480G	59	5.338G	60	5.701G
61	5.653G	62	5.401G	63	5.496G	64	5.643G
65	5.614G	66	5.454G	67	5.708G	68	5.261G
69	5.443G	70	5.324G	71	5.393G	72	5.456G
73	5.698G	74	5.660G	75	5.587G	76	5.285G
77	5.392G	78	5.553G	79	5.288G	80	5.270G
81	5.524G	82	5.718G	83	5.687G	84	5.465G
85	5.634G	86	5.316G	87	5.394G	88	5.537G
89	5.311G	90	5.627G	91	5.398G	92	5.419G
93	5.424G	94	5.675G	95	5.463G	96	5.606G
97	5.406G	98	5.327G	99	5.258G	100	5.479G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.385G	2	5.681G	3	5.586G	4	5.570G
5	5.473G	6	5.300G	7	5.374G	8	5.621G
9	5.637G	10	5.627G	11	5.457G	12	5.524G
13	5.719G	14	5.532G	15	5.657G	16	5.343G
17	5.279G	18	5.624G	19	5.602G	20	5.603G
21	5.622G	22	5.403G	23	5.376G	24	5.400G
25	5.394G	26	5.678G	27	5.539G	28	5.430G
29	5.504G	30	5.551G	31	5.402G	32	5.391G
33	5.468G	34	5.284G	35	5.608G	36	5.632G
37	5.506G	38	5.560G	39	5.616G	40	5.697G
41	5.349G	42	5.419G	43	5.301G	44	5.268G
45	5.296G	46	5.720G	47	5.326G	48	5.460G
49	5.646G	50	5.530G	51	5.289G	52	5.722G
53	5.604G	54	5.520G	55	5.410G	56	5.258G
57	5.356G	58	5.319G	59	5.357G	60	5.399G
61	5.672G	62	5.420G	63	5.368G	64	5.464G
65	5.682G	66	5.528G	67	5.290G	68	5.359G
69	5.292G	70	5.536G	71	5.396G	72	5.701G
73	5.456G	74	5.691G	75	5.472G	76	5.250G
77	5.541G	78	5.688G	79	5.693G	80	5.686G
81	5.658G	82	5.315G	83	5.263G	84	5.477G
85	5.288G	86	5.467G	87	5.687G	88	5.667G
89	5.351G	90	5.323G	91	5.253G	92	5.505G
93	5.598G	94	5.512G	95	5.320G	96	5.709G
97	5.314G	98	5.521G	99	5.379G	100	5.685G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.314G	2	5.371G	3	5.568G	4	5.355G
5	5.666G	6	5.588G	7	5.506G	8	5.591G
9	5.450G	10	5.336G	11	5.471G	12	5.427G
13	5.628G	14	5.581G	15	5.529G	16	5.622G
17	5.400G	18	5.656G	19	5.305G	20	5.465G
21	5.278G	22	5.250G	23	5.276G	24	5.401G
25	5.406G	26	5.708G	27	5.659G	28	5.679G
29	5.339G	30	5.328G	31	5.285G	32	5.654G
33	5.606G	34	5.496G	35	5.444G	36	5.687G
37	5.356G	38	5.703G	39	5.474G	40	5.537G
41	5.702G	42	5.288G	43	5.464G	44	5.413G
45	5.434G	46	5.420G	47	5.608G	48	5.639G
49	5.292G	50	5.399G	51	5.377G	52	5.354G
53	5.369G	54	5.378G	55	5.300G	56	5.365G
57	5.416G	58	5.322G	59	5.585G	60	5.513G
61	5.579G	62	5.398G	63	5.503G	64	5.392G
65	5.560G	66	5.304G	67	5.483G	68	5.670G
69	5.320G	70	5.649G	71	5.430G	72	5.607G
73	5.376G	74	5.631G	75	5.645G	76	5.390G
77	5.541G	78	5.330G	79	5.646G	80	5.256G
81	5.661G	82	5.411G	83	5.507G	84	5.669G
85	5.493G	86	5.265G	87	5.423G	88	5.580G
89	5.326G	90	5.403G	91	5.668G	92	5.456G
93	5.349G	94	5.682G	95	5.308G	96	5.414G
97	5.345G	98	5.617G	99	5.472G	100	5.417G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.263G	2	5.451G	3	5.461G	4	5.619G
5	5.585G	6	5.503G	7	5.260G	8	5.250G
9	5.445G	10	5.407G	11	5.259G	12	5.580G
13	5.540G	14	5.332G	15	5.581G	16	5.597G
17	5.610G	18	5.698G	19	5.499G	20	5.343G
21	5.298G	22	5.463G	23	5.457G	24	5.281G
25	5.322G	26	5.475G	27	5.456G	28	5.564G
29	5.370G	30	5.517G	31	5.637G	32	5.674G
33	5.518G	34	5.448G	35	5.570G	36	5.371G
37	5.613G	38	5.722G	39	5.627G	40	5.344G
41	5.578G	42	5.723G	43	5.460G	44	5.355G
45	5.440G	46	5.492G	47	5.397G	48	5.423G
49	5.265G	50	5.400G	51	5.649G	52	5.676G
53	5.412G	54	5.549G	55	5.673G	56	5.481G
57	5.385G	58	5.692G	59	5.426G	60	5.465G
61	5.469G	62	5.443G	63	5.431G	64	5.378G
65	5.401G	66	5.664G	67	5.486G	68	5.546G
69	5.621G	70	5.683G	71	5.550G	72	5.539G
73	5.639G	74	5.302G	75	5.552G	76	5.721G
77	5.596G	78	5.557G	79	5.429G	80	5.382G
81	5.413G	82	5.403G	83	5.271G	84	5.476G
85	5.713G	86	5.326G	87	5.304G	88	5.707G
89	5.508G	90	5.680G	91	5.388G	92	5.291G
93	5.487G	94	5.504G	95	5.535G	96	5.541G
97	5.270G	98	5.267G	99	5.554G	100	5.252G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.385G	2	5.381G	3	5.563G	4	5.316G
5	5.435G	6	5.318G	7	5.383G	8	5.426G
9	5.481G	10	5.324G	11	5.356G	12	5.701G
13	5.438G	14	5.455G	15	5.393G	16	5.375G
17	5.499G	18	5.382G	19	5.460G	20	5.594G
21	5.545G	22	5.616G	23	5.287G	24	5.665G
25	5.593G	26	5.723G	27	5.698G	28	5.304G
29	5.398G	30	5.622G	31	5.694G	32	5.282G
33	5.338G	34	5.443G	35	5.697G	36	5.633G
37	5.337G	38	5.612G	39	5.557G	40	5.328G
41	5.422G	42	5.631G	43	5.276G	44	5.453G
45	5.588G	46	5.712G	47	5.263G	48	5.681G
49	5.639G	50	5.524G	51	5.550G	52	5.451G
53	5.471G	54	5.678G	55	5.621G	56	5.549G
57	5.466G	58	5.342G	59	5.444G	60	5.302G
61	5.548G	62	5.368G	63	5.312G	64	5.254G
65	5.619G	66	5.715G	67	5.604G	68	5.349G
69	5.625G	70	5.376G	71	5.640G	72	5.536G
73	5.379G	74	5.436G	75	5.519G	76	5.275G
77	5.344G	78	5.581G	79	5.292G	80	5.472G
81	5.492G	82	5.560G	83	5.685G	84	5.270G
85	5.637G	86	5.647G	87	5.511G	88	5.667G
89	5.354G	90	5.572G	91	5.602G	92	5.531G
93	5.362G	94	5.469G	95	5.463G	96	5.333G
97	5.592G	98	5.447G	99	5.554G	100	5.295G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.667G	2	5.621G	3	5.682G	4	5.710G
5	5.536G	6	5.420G	7	5.322G	8	5.351G
9	5.280G	10	5.571G	11	5.724G	12	5.570G
13	5.411G	14	5.540G	15	5.264G	16	5.483G
17	5.590G	18	5.565G	19	5.490G	20	5.692G
21	5.316G	22	5.594G	23	5.371G	24	5.336G
25	5.482G	26	5.566G	27	5.358G	28	5.651G
29	5.501G	30	5.332G	31	5.672G	32	5.407G
33	5.686G	34	5.311G	35	5.663G	36	5.514G
37	5.605G	38	5.578G	39	5.324G	40	5.596G
41	5.318G	42	5.613G	43	5.315G	44	5.328G
45	5.388G	46	5.391G	47	5.400G	48	5.562G
49	5.534G	50	5.416G	51	5.612G	52	5.693G
53	5.550G	54	5.425G	55	5.580G	56	5.670G
57	5.650G	58	5.674G	59	5.409G	60	5.404G
61	5.531G	62	5.591G	63	5.289G	64	5.528G
65	5.466G	66	5.476G	67	5.437G	68	5.462G
69	5.266G	70	5.458G	71	5.422G	72	5.630G
73	5.715G	74	5.640G	75	5.386G	76	5.356G
77	5.421G	78	5.658G	79	5.389G	80	5.649G
81	5.449G	82	5.396G	83	5.717G	84	5.601G
85	5.381G	86	5.452G	87	5.397G	88	5.378G
89	5.293G	90	5.329G	91	5.595G	92	5.499G
93	5.284G	94	5.478G	95	5.369G	96	5.303G
97	5.473G	98	5.379G	99	5.430G	100	5.657G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.295G	2	5.512G	3	5.694G	4	5.445G
5	5.316G	6	5.293G	7	5.571G	8	5.436G
9	5.598G	10	5.670G	11	5.367G	12	5.447G
13	5.308G	14	5.583G	15	5.591G	16	5.671G
17	5.702G	18	5.404G	19	5.577G	20	5.475G
21	5.714G	22	5.398G	23	5.566G	24	5.408G
25	5.323G	26	5.456G	27	5.532G	28	5.453G
29	5.309G	30	5.699G	31	5.660G	32	5.381G
33	5.633G	34	5.650G	35	5.338G	36	5.590G
37	5.418G	38	5.688G	39	5.414G	40	5.695G
41	5.267G	42	5.687G	43	5.541G	44	5.463G
45	5.536G	46	5.697G	47	5.371G	48	5.706G
49	5.514G	50	5.493G	51	5.621G	52	5.492G
53	5.484G	54	5.616G	55	5.585G	56	5.474G
57	5.612G	58	5.588G	59	5.459G	60	5.720G
61	5.683G	62	5.622G	63	5.257G	64	5.513G
65	5.434G	66	5.301G	67	5.366G	68	5.446G
69	5.294G	70	5.426G	71	5.575G	72	5.605G
73	5.711G	74	5.380G	75	5.326G	76	5.651G
77	5.337G	78	5.552G	79	5.312G	80	5.365G
81	5.423G	82	5.452G	83	5.589G	84	5.686G
85	5.675G	86	5.620G	87	5.509G	88	5.283G
89	5.264G	90	5.679G	91	5.539G	92	5.364G
93	5.362G	94	5.391G	95	5.520G	96	5.505G
97	5.592G	98	5.704G	99	5.637G	100	5.415G

8.4 ANNEX-D

TPC Transmit Power Control (TPC)

ATPC(Automatic Transmit Power Control) is a feature to automatically adapt transmit power when the quality of the link is more than sufficient to maintain a good communication with reduced transmit power. There is the difference output power level for difference transmit data rate. The higher output power level is on lower data rate and lower power level in on higher data rate. The transmit data rate is the highest when the environment is clear/ no any interference from the others wireless product. But the transmit data rate will decrease when signal strength/link performance is degrade. This feature is for keep the Wireless communication is good.

--END--