DFS TEST REPORT

REPORT NO.:	RF990419C03A-1
MODEL NO.:	APL21-083
FCC ID:	QWU-083
RECEIVED:	Apr. 27, 2010
TESTED:	Feb. 08, 2011
ISSUED:	Feb. 16, 2011

APPLICANT:	Sonicwall, Inc.
ADDRESS:	2001 Logic Drive San Jose, CA 95124, USA

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	NA	Feb. 16, 2011

1. LAB DECLARATION

PRODUCT: Access Point 802.11 a/b/g/n
MODEL: APL21-083
BRAND: SonicWALL
APPLICANT: Sonicwall, Inc.
TEST SAMPLE: ENGINEERING SAMPLE
TESTED: Feb. 08, 2011
STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
FCC 06-96

The above equipment (Model: APL21-083) has been tested by**Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : _____ , DATE : Feb. 16, 2011
Andrea Hsia / Specialist

APPROVED BY : _____ , DATE : Feb. 16, 2011
Gary Chang / Assistant Manager

2. EUT INFORMATION

2.1 OPERATING FREQUENCY BANDS AND MODE OF EUT

Table 1: Operating frequency bands and mode of EUT.

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

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	Access Point 802.11 a/b/g/n	APL21-083	SonicOS 6.0.1.0-9o

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

Table 3: Antenna list.

Ant NO.	Antenna	Operation Frequency Range(MHz)	Max. Gain (dBi)
1	PIFA	5250~5350	4.0
1	PIFA	5470~5725	4.0

2.4 EUT MAXIMUM AND MINIMUM CONDUCTED POWER

TABLE 4: THE MEASURED CONDUCTED OUTPUT POWER

802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	20.8	121.3	14.8	30.2
1	5470~5725	21.1	130.0	15.1	32.4

802.11n (20MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	20.8	119.9	14.8	30.2
1	5470~5725	22.0	158.9	16.0	39.8

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	20.9	123.3	14.9	30.9
1	5470~5725	21.3	134.3	15.3	33.9

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

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

802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	24.8	301.1	18.8	75.9
1	5470~5725	25.1	323.6	19.1	81.3

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	24.8	301.1	18.8	75.9
1	5470~5725	26.0	399.2	20.0	100

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	24.9	309.6	18.9	77.6
1	5470~5725	25.3	337.4	19.3	85.1

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

Table 7: Applicability of DFS requirements during normal operation.

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

3.2 TEST LIMITS AND RADAR SIGNAL PARAMETERS

DETECTION THRESHOLD VALUES

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

Maximum Transmit Power	Value (See Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

Table 9: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 80% of the UNII 99% transmission power bandwidth. See Note 3.
Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows: • For the Short Pulse Radar Test Signals this instant is the end of the Burst. • For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated. • For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform. **Note 2:** The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. **Note 3:** During the U-NII Detection Bandwidth detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

PARAMETERS OF DFS TEST SIGNALS

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

Table 10: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Table 11: Long Pulse Radar Test Waveform

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

Table 12: Frequency Hopping Radar Test Waveform

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

4. TEST & SUPPORT EQUIPMENT LIST

4.1 TEST INSTRUMENTS

Table 1: Test instruments list.

DESCRIPTION & MANUFACTURER	MODEL NO.	BRAND	CALIBRATED UNTIL
R&S Spectrum analyzer	FSP40	R&S	Jul. 16, 2011
Signal generator	8645A	Agilent	Jun. 07, 2011
Oscilloscope	TDS 5104	Tektronix	Sep. 02, 2011
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	

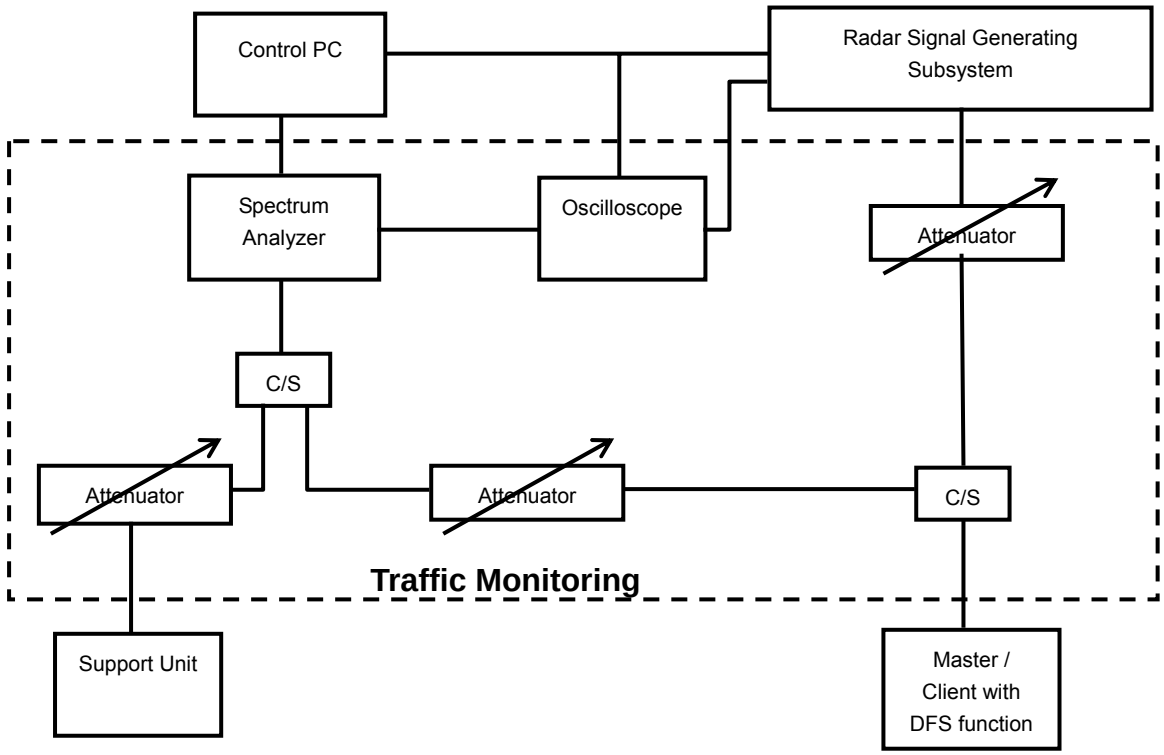
Note: This device was functioned as a □Master ■Slave device during the DFS test.

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

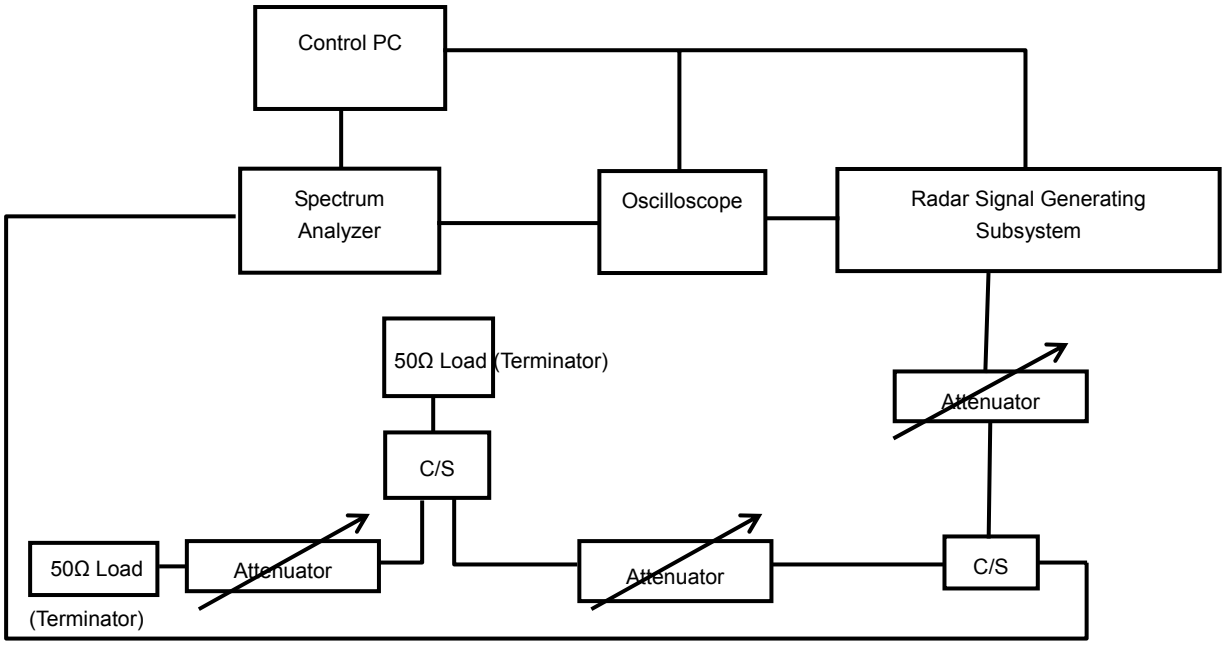


The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at: http://ntiacsd.ntia.doc.gov/dfs/.

5.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:

The measured channel is 5500MHz 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 4.0dBi , and required detection threshold is -60dBm.

Conducted setup configuration of Calibration of DFS Detection Threshold Level

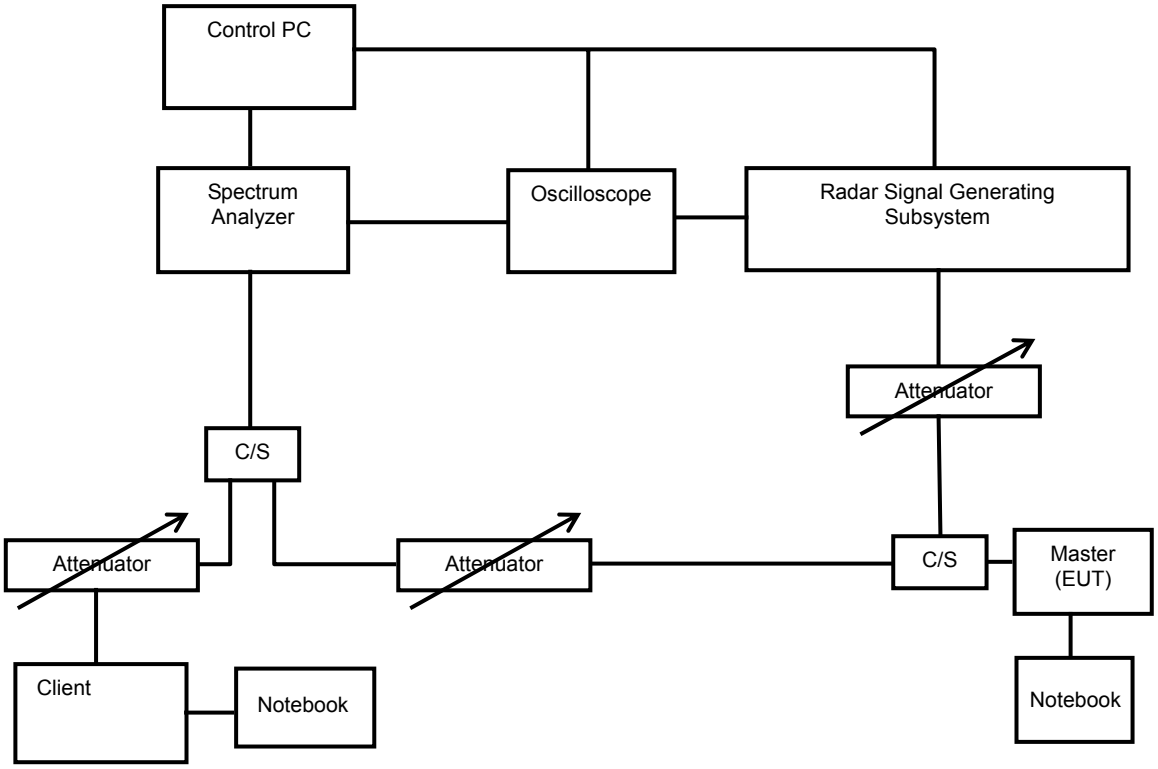


5.3 DEVIATION FROM TEST STANDARD

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

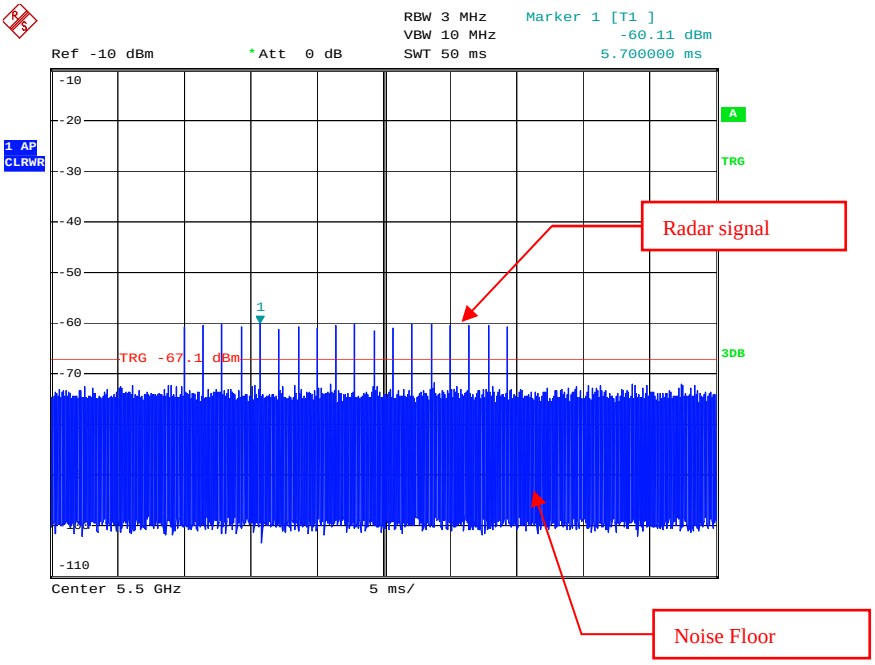
6.2 DETELED TEST RESULTS

6.2.1 TEST MODE: DEVICE OPERATING IN MASTER MODE.

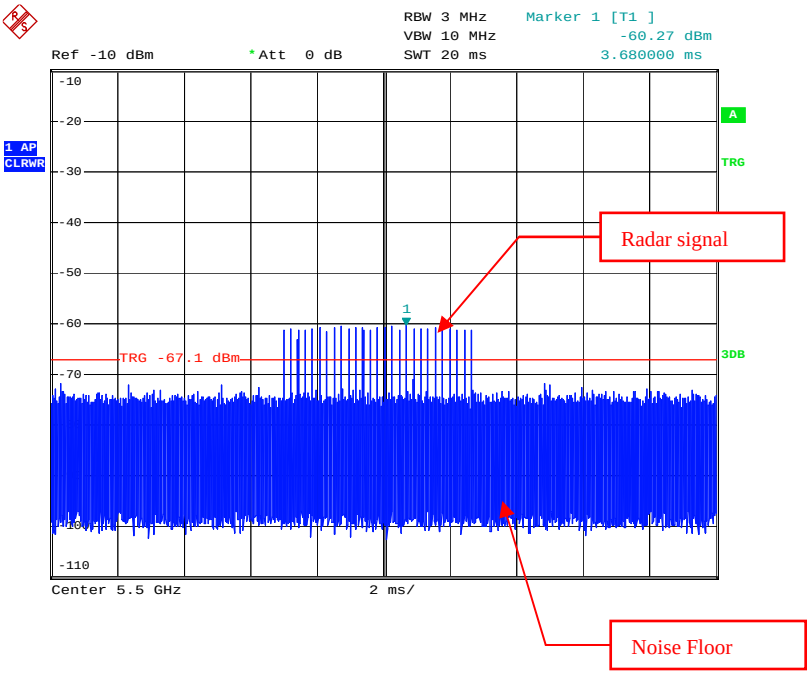
Master with injection at the Master. (Radar Test Waveforms are injected into the Master.

DFS DETECTION THRESHOLD

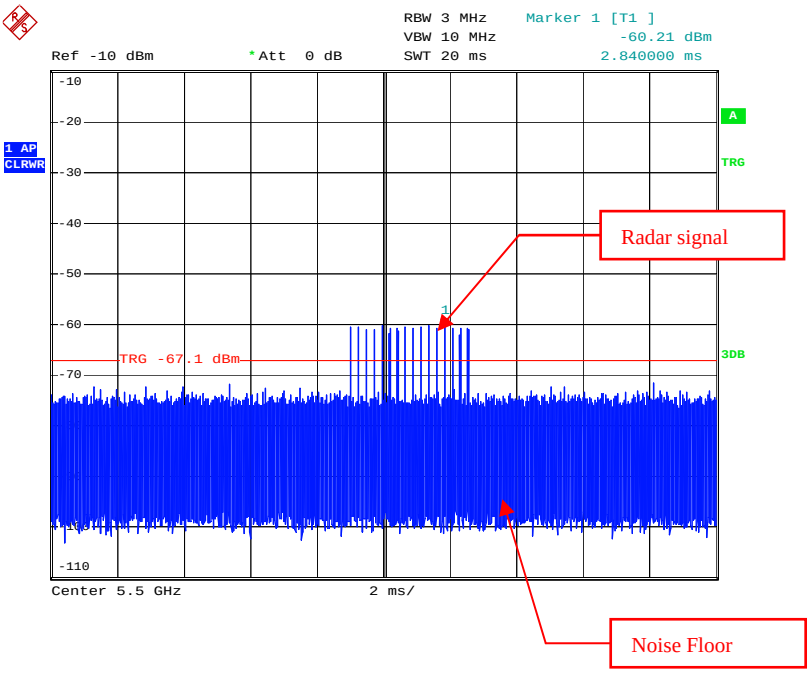
For a detection threshold level of –64dBm and the Master minimum antenna gain is 4.0 dBi, and required detection threshold is -60 dBm (= -64 +4.0). The conducted radar burst level is set to -60 dBm.



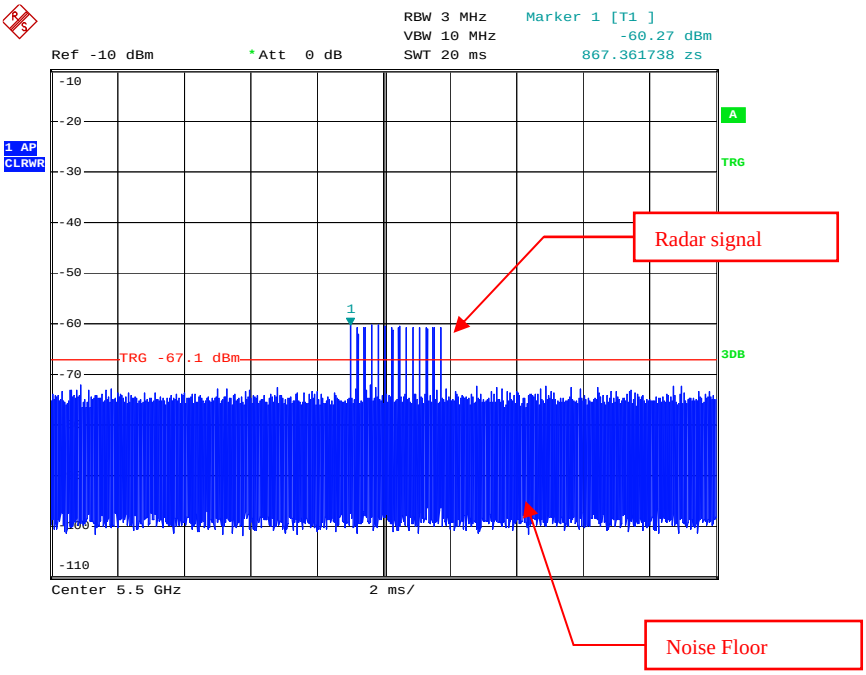
Radar Signal 1



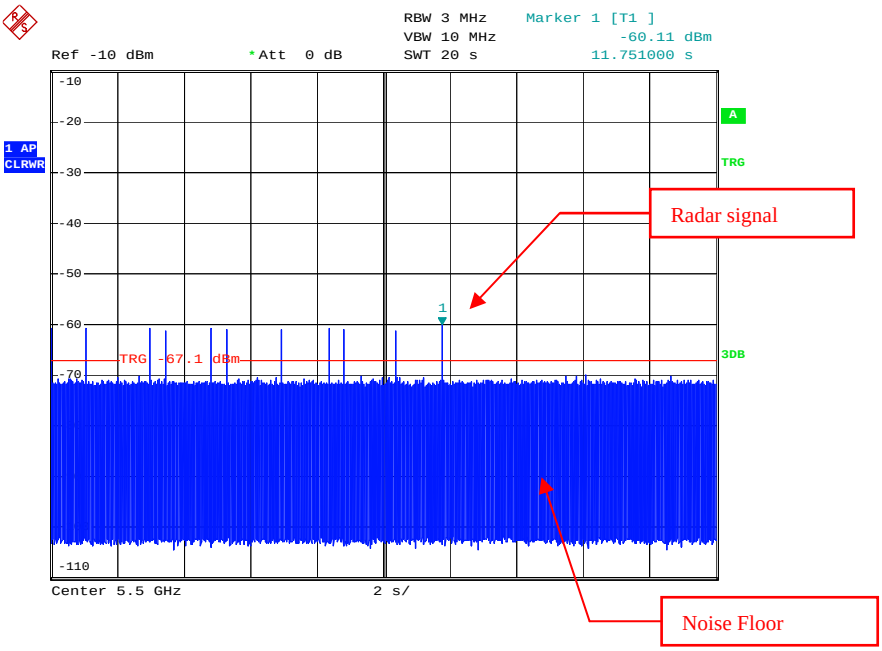
Radar Signal 2



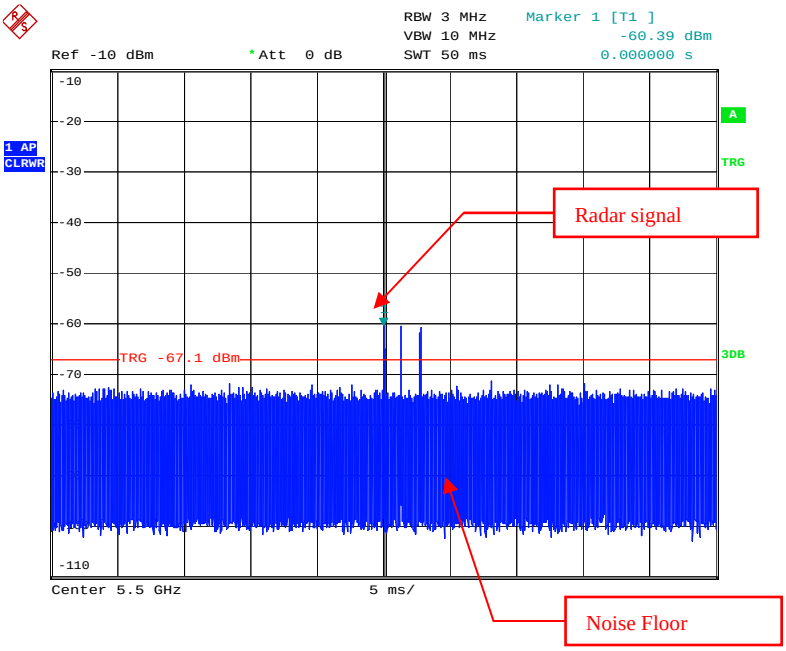
Radar Signal 3



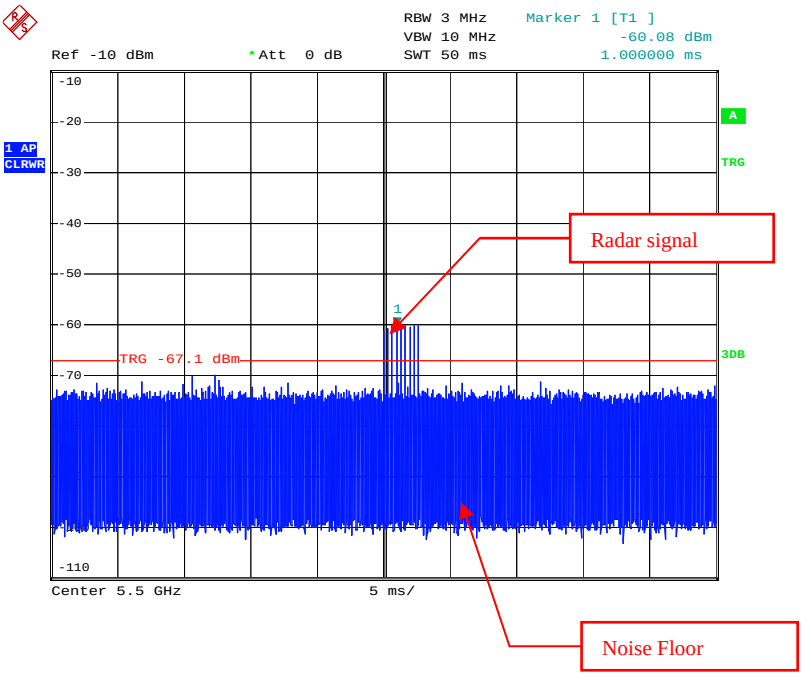
Radar Signal 4



Radar Signal 5



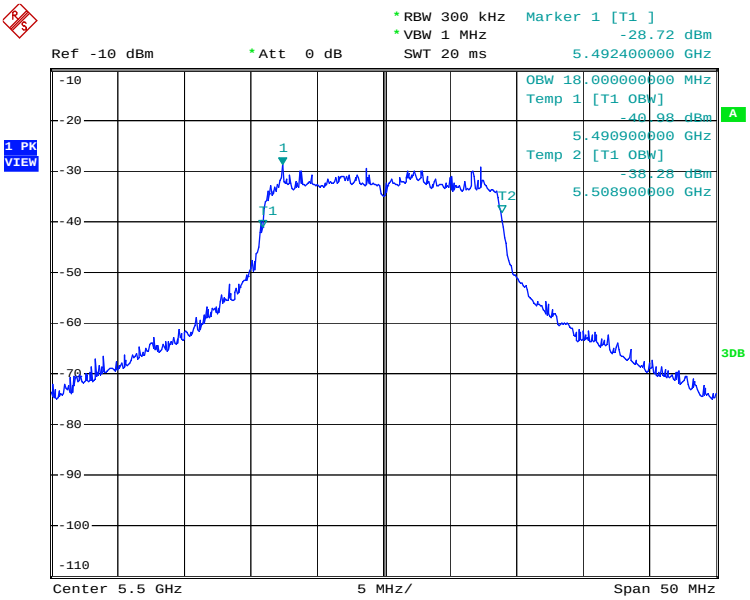
Single Burst of Radar Signal 5



Radar Signal 6

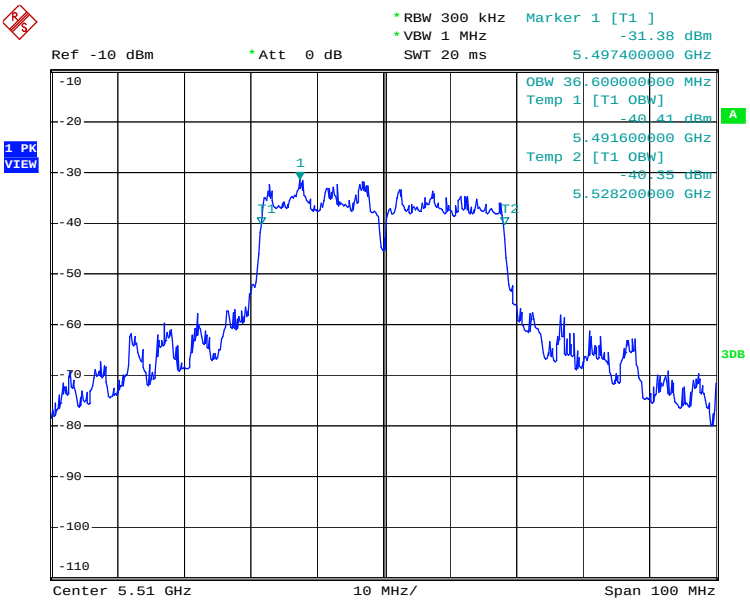
6.2.2 U-NII DETECTION BANDWIDTH

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: 18MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 14.4MHz 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	N	Y	N	Y	Y	N	N	Y	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	N	Y	Y	Y	Y	Y	N	N	Y	N	60

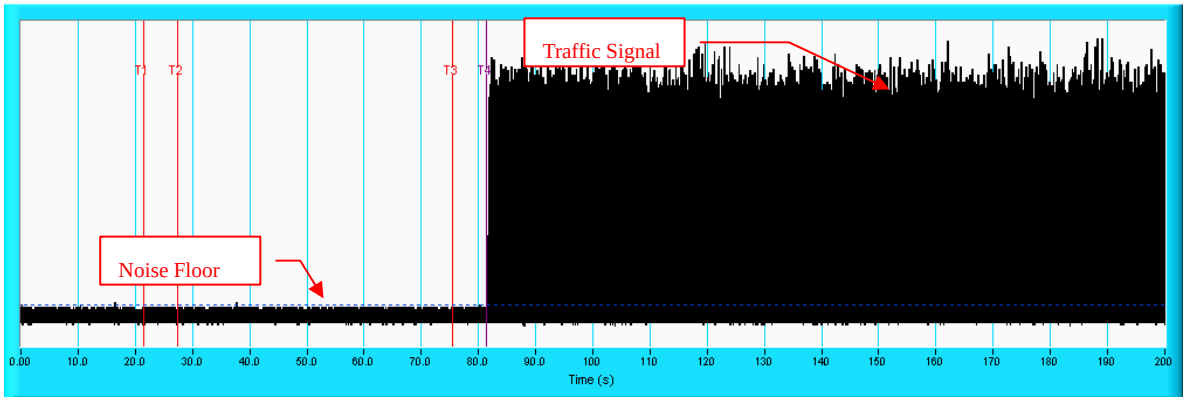
Detection Bandwidth Test - IEEE 802.11N 40MHz											
EUT Frequency: 5510MHz EUT 99% Power bandwidth: 36.6MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 29.28MHz Detection bandwidth (5530(FH) – 5490(FL)) : 40MHz Test Result : PASS											
Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	Y	N	Y	N	Y	N	Y	Y	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	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5531(FH)	Y	Y	N	N	Y	Y	Y	N	Y	N	60

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.

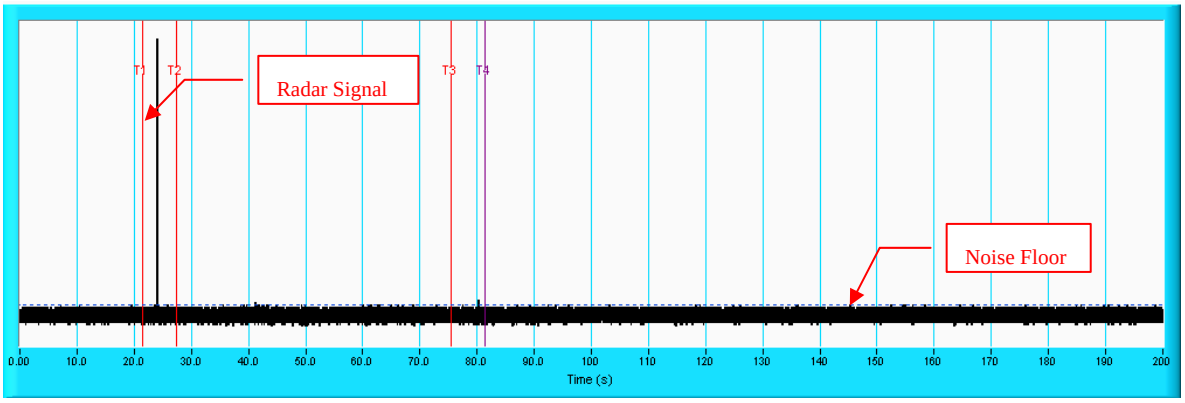
Timing of Radar Signal	Observation	
	EUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



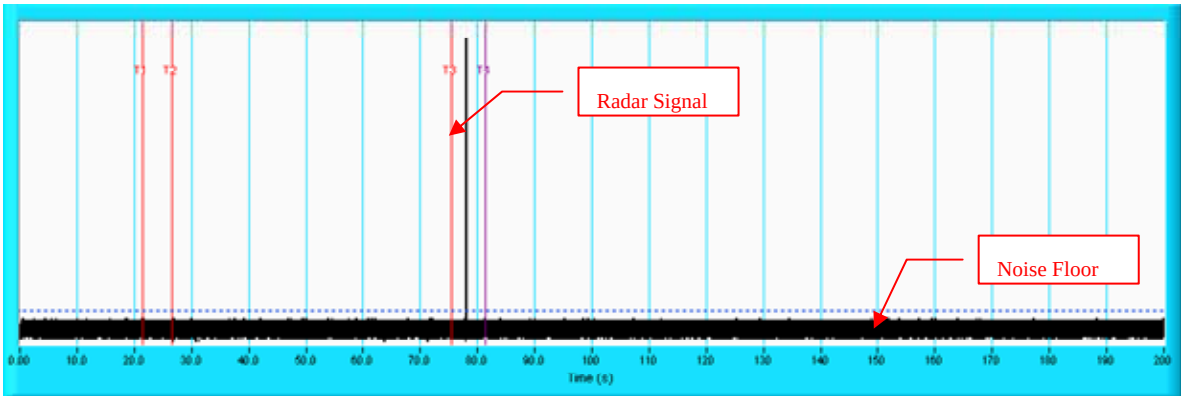
NOTE: T1 denotes the end of power-up time period is 21.5 second. T4 denotes the end of Channel Availability Check time is 81.5 second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 21.5 second. T2 denotes 27.5 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 81.5 second.

Radar Burst at the End of the Channel Availability Check Time

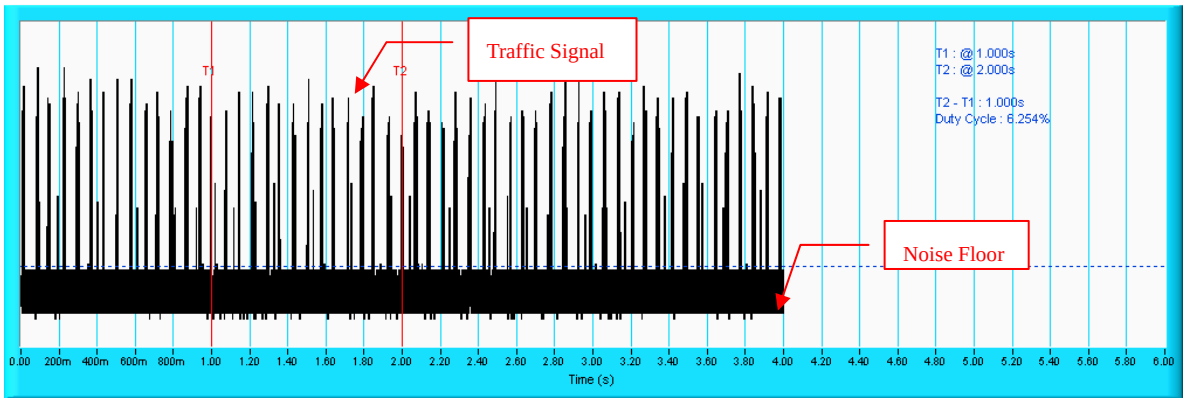


NOTE: T1 denotes the end of power up time period is 21.5 second. T3 denotes 75.5 second and radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T4 denotes the 81.5 second.

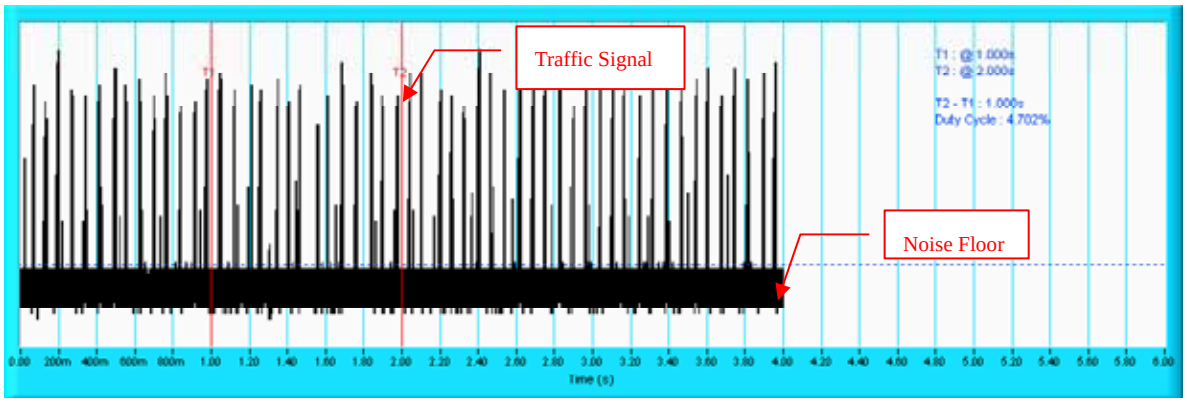
6.2.4 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

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	86.7
3	6-10	200-500	16-18	30	76.7
4	11-20	200-500	12-16	30	93.3
Aggregate (Radar Types 1-4)				120	89.17

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	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	96.7

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	100
2	1-5	150-230	23-29	30	96.7
3	6-10	200-500	16-18	30	86.7
4	11-20	200-500	12-16	30	90
Aggregate (Radar Types 1-4)				120	93.3

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

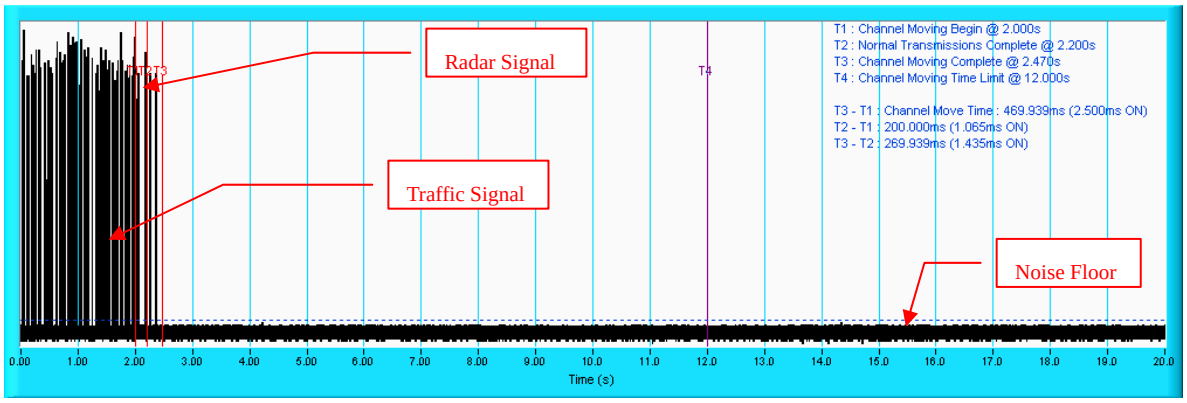
Table 3: Frequency Hopping Radar Test Waveform

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	100

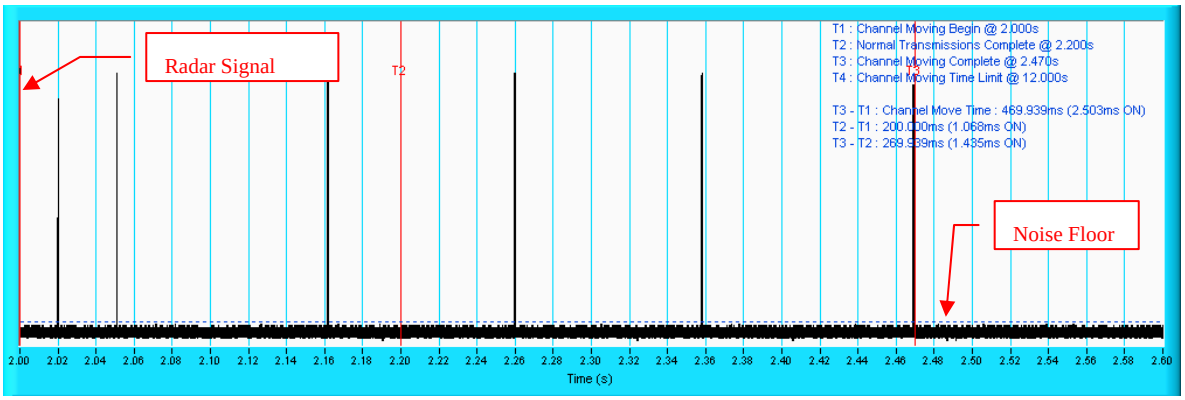
The Detailed Radar pattern and Statistical Performance showed in Annex A.

Radar signal 1

IEEE 802.11N 20MHz



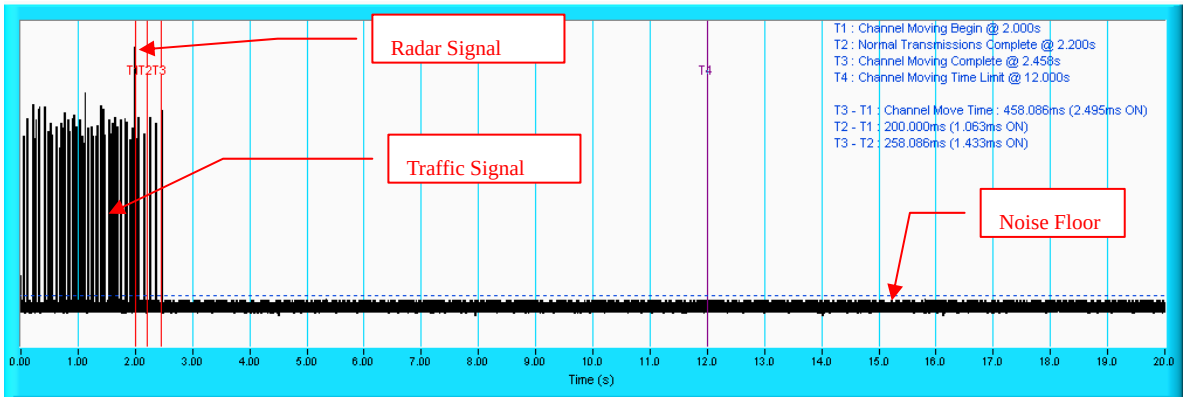
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



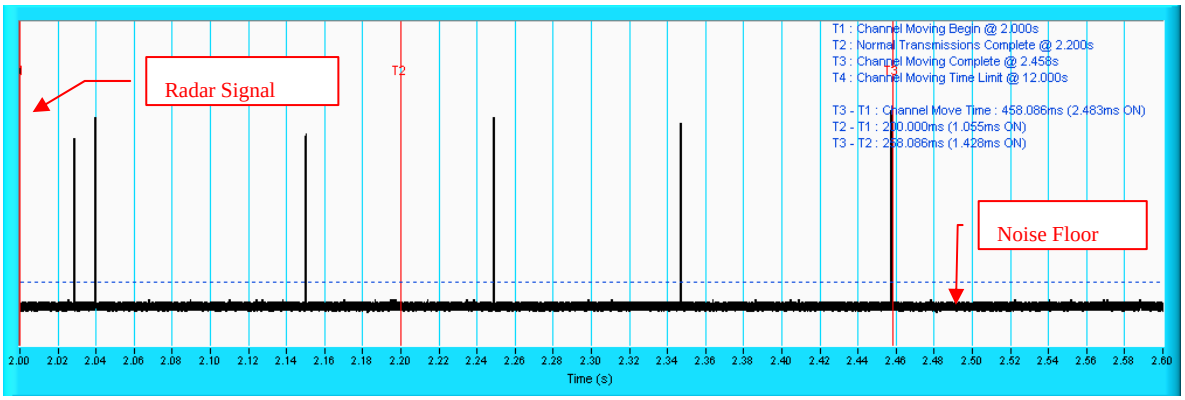
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 2

IEEE 802.11N 20MHz



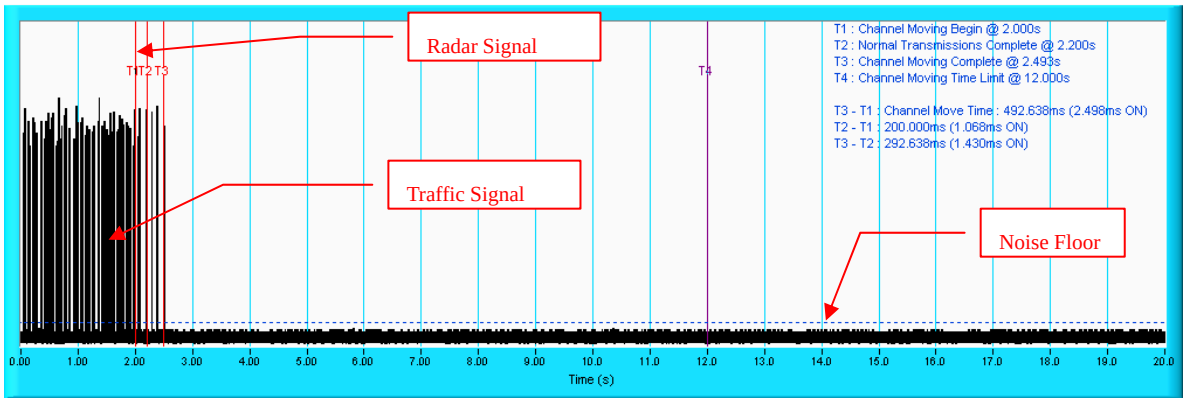
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



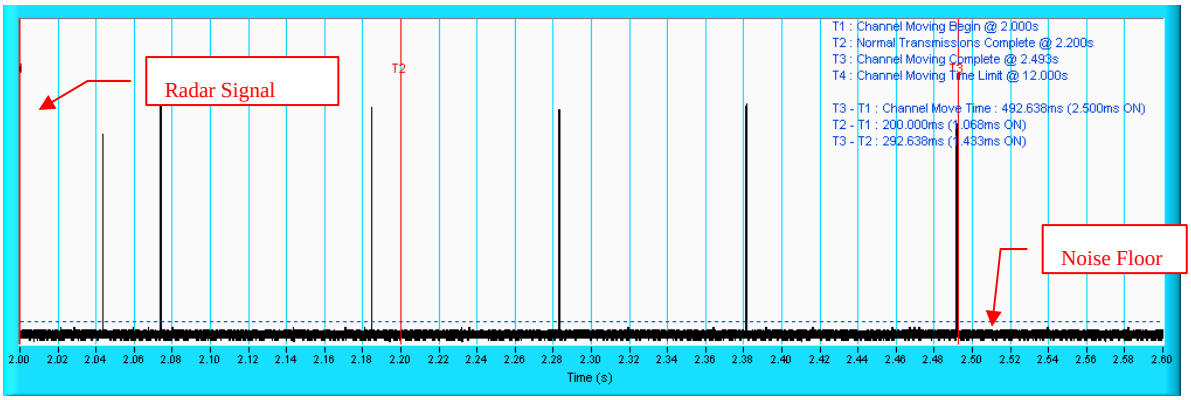
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 3

IEEE 802.11N 20MHz



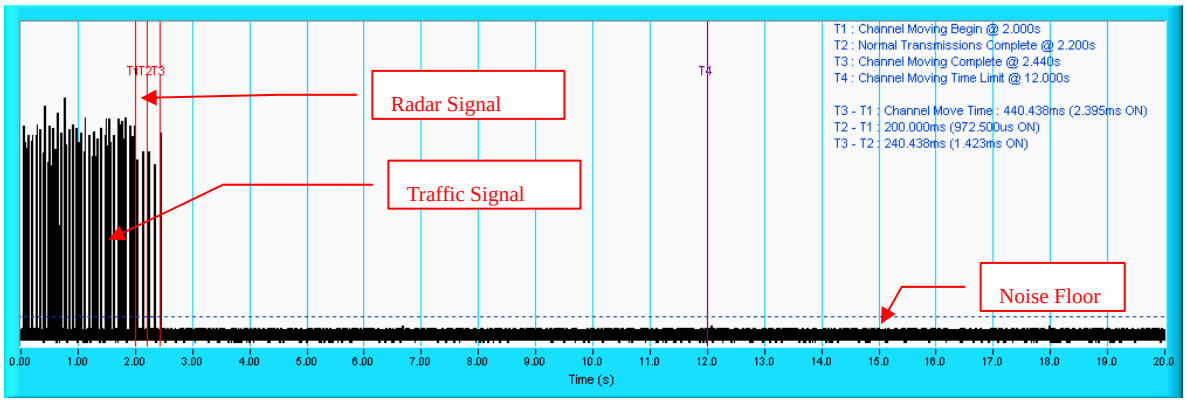
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



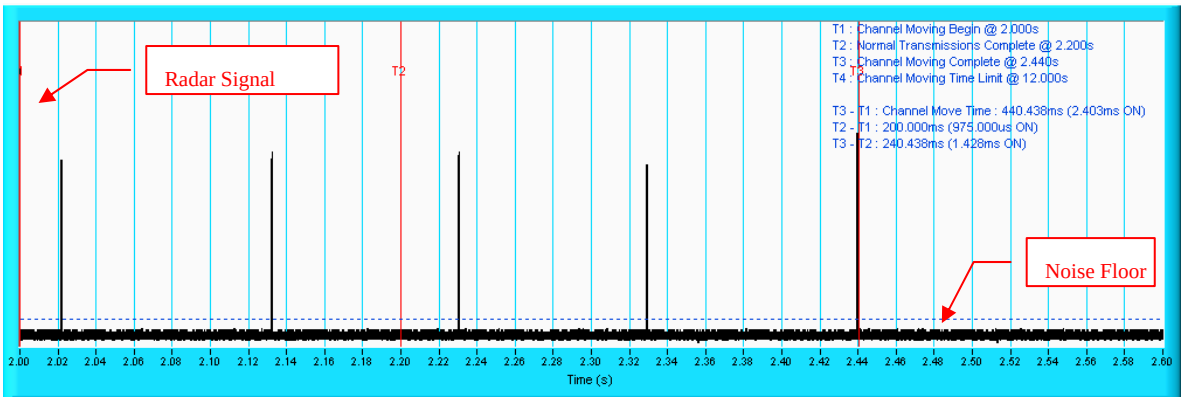
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 4

IEEE 802.11N 20MHz



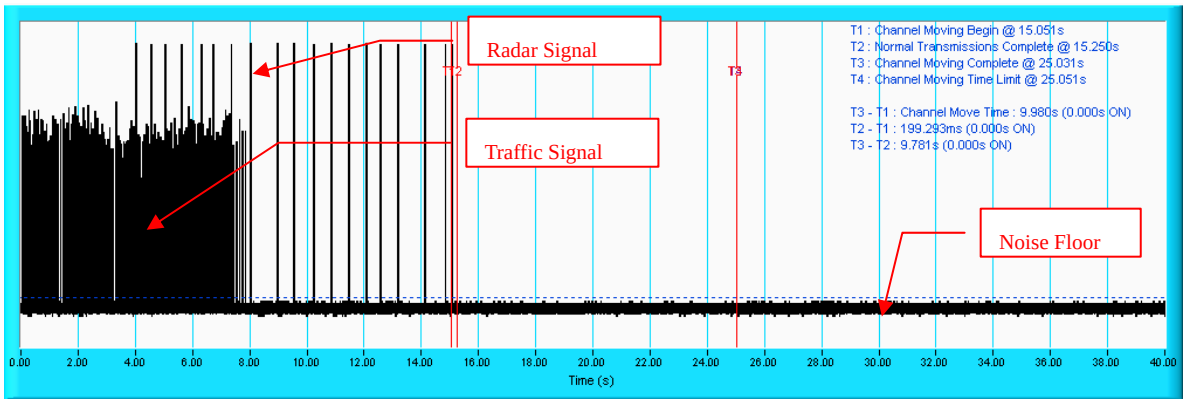
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



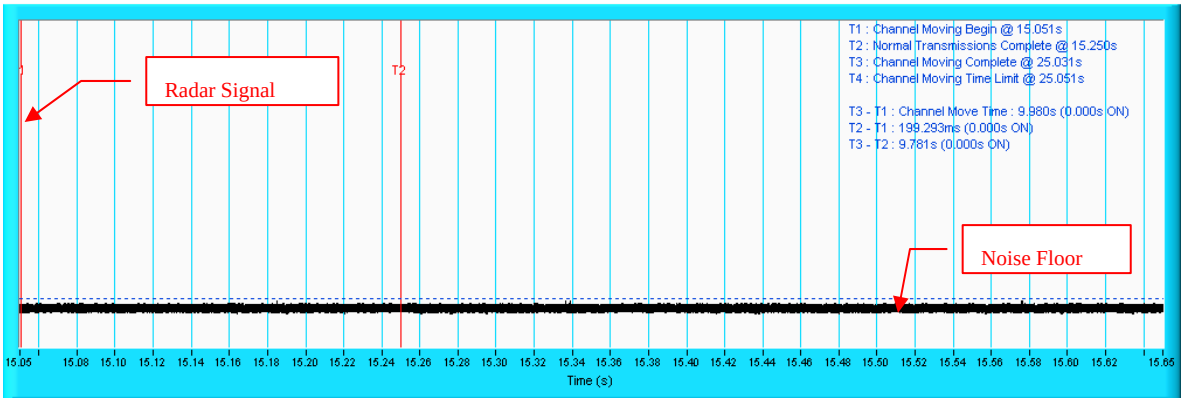
NOTE: An expanded plot for the device vacates the channel in the required 600ms

Radar signal 5

IEEE 802.11N 20MHz



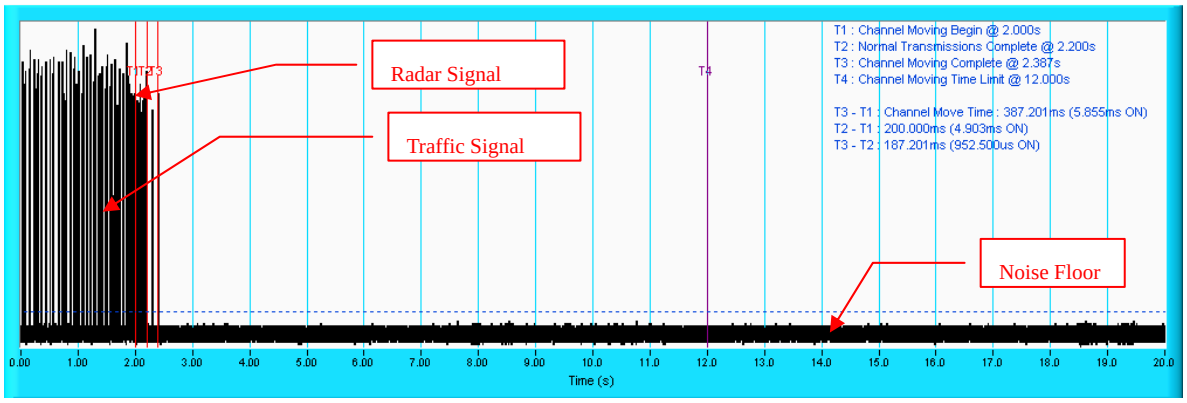
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



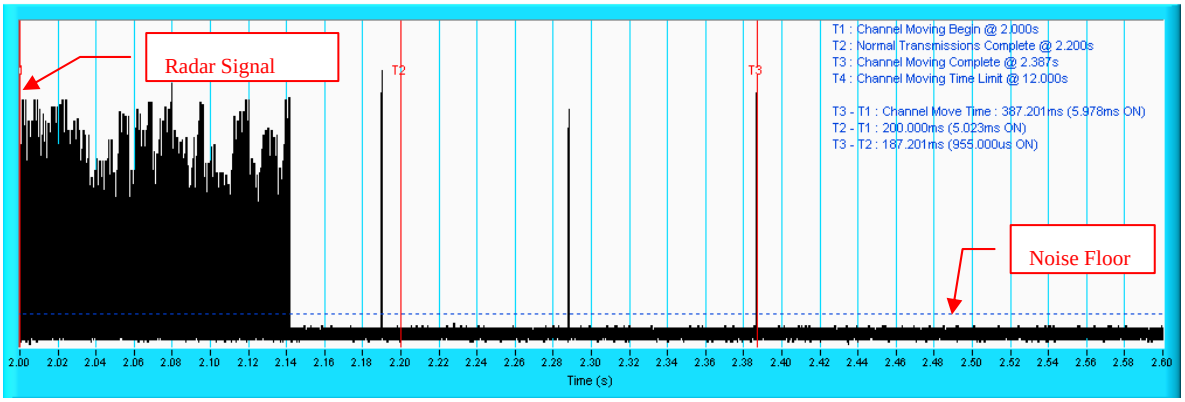
NOTE: An expanded plot for the device vacates the channel in the required 600ms

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

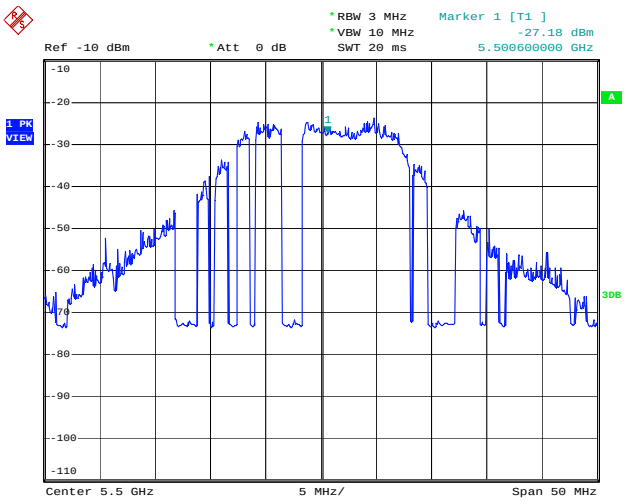
6.2.5 NON- OCCUPANCY PERIOD

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.

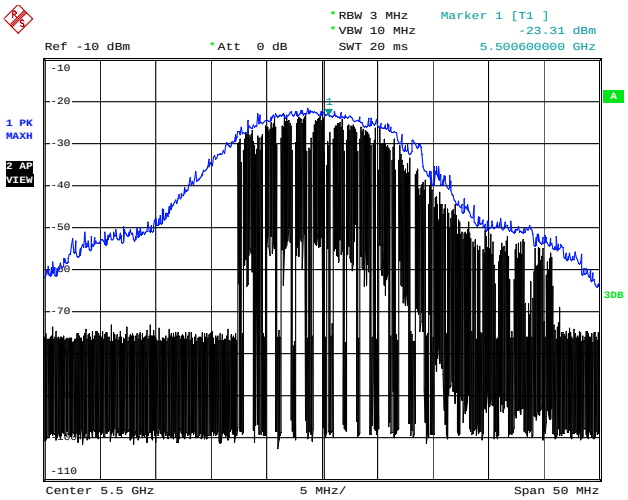
1) EUT links up with Client at 5500MHz.

Waveform of EUT links up with Client

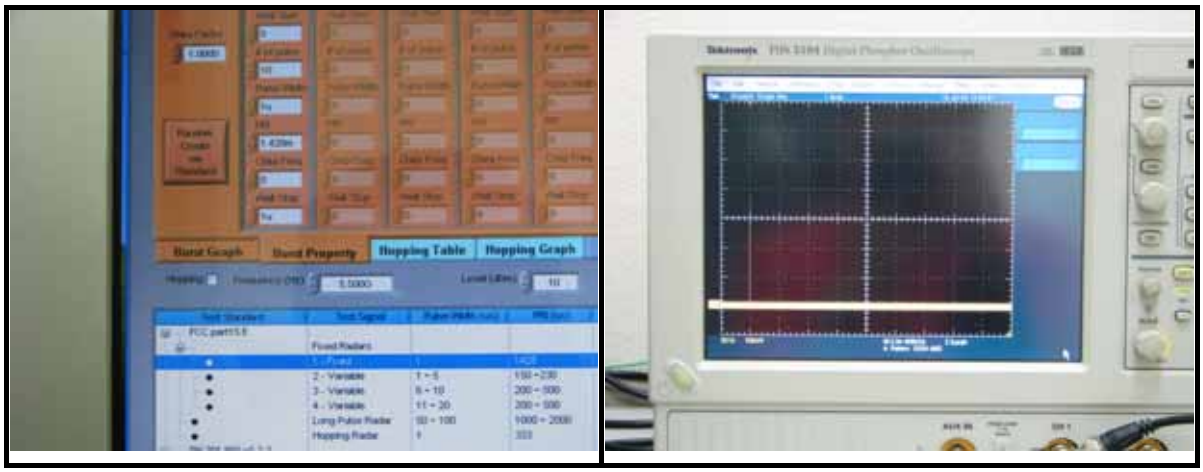


2) Client plays a specified file via master.

Waveform of transmission



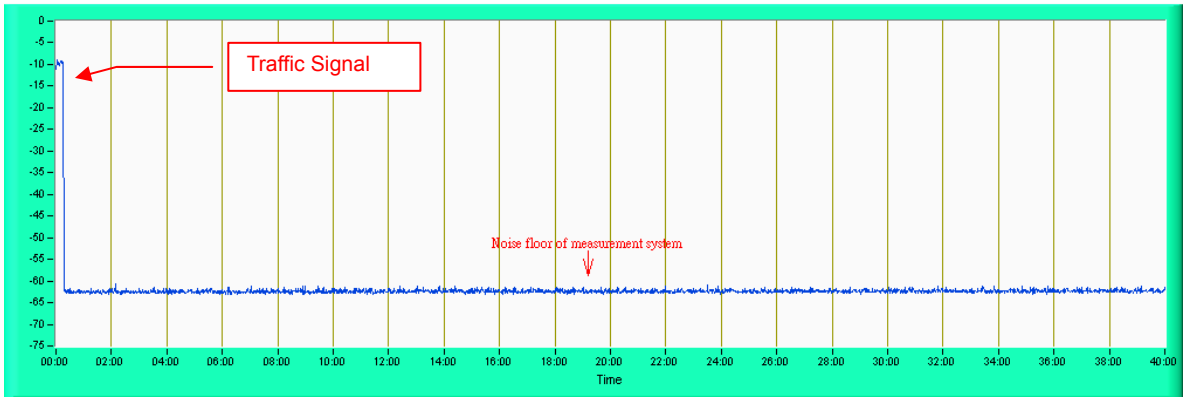
3) Radar 1~6 is used for DFS testing



4) 5500MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

IEEE 802.11n 20MHz



NOTE: Test setup is shown on Test set up photo. pdf

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: 886-2-26051924

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

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

Web Site: www.adt.com.tw

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	25	2.3u	160.0u	Yes
2	26	1.4u	206.0u	Yes
3	25	2.5u	217.0u	Yes
4	28	3.8u	229.0u	No
5	29	1.9u	230.0u	No
6	25	4.4u	228.0u	Yes
7	26	4.4u	151.0u	Yes
8	25	3.1u	161.0u	Yes
9	24	1.2u	157.0u	Yes
10	23	1.3u	185.0u	No
11	24	3.8u	207.0u	Yes
12	27	1.3u	215.0u	Yes
13	26	2.5u	185.0u	Yes
14	27	2.1u	229.0u	No
15	23	3.5u	187.0u	Yes
16	24	4.9u	196.0u	Yes
17	25	2.4u	201.0u	Yes
18	24	4.8u	218.0u	Yes
19	24	4.1u	184.0u	Yes
20	29	1.2u	194.0u	Yes
21	25	3.2u	170.0u	Yes
22	28	2.7u	194.0u	Yes
23	25	2.7u	158.0u	Yes
24	25	1.1u	218.0u	Yes
25	24	4.6u	193.0u	Yes
26	28	3.0u	196.0u	Yes
27	28	3.1u	193.0u	Yes
28	27	2.1u	227.0u	Yes
29	28	4.0u	230.0u	Yes
30	27	3.6u	209.0u	Yes
				Detection Rate: 86.7 %

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	6.3u	374.0u	No
2	17	6.0u	208.0u	Yes
3	18	8.9u	226.0u	Yes
4	17	6.3u	466.0u	Yes
5	18	7.3u	213.0u	Yes
6	18	8.1u	409.0u	No
7	18	6.2u	312.0u	Yes
8	17	8.5u	369.0u	No
9	17	7.7u	420.0u	No
10	17	6.3u	326.0u	Yes
11	17	9.2u	413.0u	Yes
12	18	7.4u	394.0u	Yes
13	16	8.8u	346.0u	No
14	16	8.7u	444.0u	Yes
15	16	6.1u	483.0u	Yes
16	17	6.3u	428.0u	Yes
17	17	6.1u	271.0u	Yes
18	17	7.2u	303.0u	Yes
19	17	8.4u	201.0u	Yes
20	17	8.0u	348.0u	Yes
21	17	8.2u	309.0u	No
22	17	6.1u	488.0u	Yes
23	17	8.3u	321.0u	Yes
24	17	6.2u	347.0u	Yes
25	16	8.9u	342.0u	Yes
26	17	9.2u	206.0u	No
27	16	9.1u	481.0u	Yes
28	17	8.5u	396.0u	Yes
29	18	7.1u	306.0u	Yes
30	18	9.6u	296.0u	Yes
				Detection Rate: 76.7 %

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	15	13.6u	251.0u	Yes
2	14	15.0u	214.0u	Yes
3	14	13.6u	248.0u	Yes
4	14	19.7u	359.0u	Yes
5	12	14.0u	446.0u	Yes
6	13	15.3u	468.0u	Yes
7	12	15.4u	201.0u	Yes
8	14	12.5u	369.0u	Yes
9	14	12.6u	227.0u	Yes
10	16	13.6u	404.0u	Yes
11	13	11.9u	402.0u	Yes
12	15	14.3u	466.0u	Yes
13	14	18.4u	399.0u	Yes
14	15	12.2u	219.0u	Yes
15	15	18.4u	460.0u	Yes
16	14	11.9u	429.0u	Yes
17	13	18.5u	331.0u	Yes
18	15	17.0u	472.0u	Yes
19	16	16.0u	355.0u	Yes
20	16	18.8u	418.0u	Yes
21	14	15.8u	448.0u	Yes
22	13	16.6u	475.0u	Yes
23	14	19.4u	277.0u	Yes
24	13	19.6u	308.0u	No
25	14	13.4u	444.0u	Yes
26	15	14.0u	202.0u	Yes
27	15	18.9u	423.0u	Yes
28	15	18.6u	459.0u	No
29	13	13.5u	413.0u	Yes
30	15	14.2u	367.0u	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	No
7	LP_Signal_07	Yes
8	LP_Signal_08	Yes
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	No
12	LP_Signal_12	Yes
13	LP_Signal_13	No
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	No
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	No
		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	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	Yes
13	HOP_FREQ_SEQ_13	Yes
14	HOP_FREQ_SEQ_14	Yes
15	HOP_FREQ_SEQ_15	Yes
16	HOP_FREQ_SEQ_16	Yes
17	HOP_FREQ_SEQ_17	Yes
18	HOP_FREQ_SEQ_18	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	Yes
22	HOP_FREQ_SEQ_22	Yes
23	HOP_FREQ_SEQ_23	Yes
24	HOP_FREQ_SEQ_24	Yes
25	HOP_FREQ_SEQ_25	Yes
26	HOP_FREQ_SEQ_26	Yes
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	No
		Detection Rate: 96.7 %

The Frequency Hopping 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	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
31	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	4.9u	199.0u	Yes
2	26	2.7u	197.0u	Yes
3	28	2.9u	191.0u	Yes
4	23	3.3u	209.0u	Yes
5	28	3.0u	217.0u	Yes
6	26	1.1u	159.0u	Yes
7	27	1.6u	156.0u	Yes
8	28	1.6u	151.0u	Yes
9	24	3.6u	208.0u	Yes
10	24	2.0u	210.0u	Yes
11	28	3.3u	220.0u	Yes
12	25	3.4u	152.0u	Yes
13	24	4.3u	164.0u	Yes
14	23	3.8u	172.0u	Yes
15	26	3.1u	152.0u	Yes
16	27	1.2u	221.0u	Yes
17	24	1.7u	229.0u	Yes
18	24	2.8u	169.0u	Yes
19	28	3.5u	165.0u	Yes
20	29	4.6u	181.0u	Yes
21	28	5.0u	155.0u	Yes
22	26	2.3u	174.0u	Yes
23	24	3.3u	186.0u	Yes
24	26	4.5u	153.0u	Yes
25	24	2.3u	207.0u	Yes
26	23	4.0u	154.0u	No
27	25	4.6u	202.0u	Yes
28	26	1.7u	185.0u	Yes
29	26	1.2u	220.0u	Yes
30	24	3.7u	189.0u	Yes
				Detection Rate: 96.7 %

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	7.4u	253.0u	Yes
2	16	7.4u	239.0u	Yes
3	18	7.3u	305.0u	Yes
4	17	6.8u	450.0u	Yes
5	16	9.4u	360.0u	Yes
6	17	9.4u	496.0u	Yes
7	17	7.3u	343.0u	Yes
8	16	8.3u	368.0u	Yes
9	17	8.7u	490.0u	Yes
10	16	9.8u	318.0u	Yes
11	16	6.8u	297.0u	No
12	18	9.6u	359.0u	Yes
13	16	8.3u	468.0u	Yes
14	17	7.6u	333.0u	Yes
15	17	7.8u	252.0u	Yes
16	17	9.1u	338.0u	Yes
17	18	7.8u	336.0u	Yes
18	18	9.4u	220.0u	Yes
19	17	7.5u	308.0u	Yes
20	17	6.6u	397.0u	Yes
21	17	9.2u	216.0u	No
22	16	6.7u	206.0u	No
23	16	7.2u	325.0u	No
24	17	9.8u	361.0u	Yes
25	17	8.4u	467.0u	Yes
26	16	6.7u	324.0u	Yes
27	18	7.4u	465.0u	Yes
28	16	6.4u	441.0u	Yes
29	17	6.9u	425.0u	Yes
30	16	7.6u	298.0u	Yes
				Detection Rate: 86.7 %

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	13	17.3u	275.0u	Yes
2	14	15.7u	473.0u	Yes
3	13	13.7u	301.0u	Yes
4	14	19.4u	438.0u	No
5	15	13.6u	403.0u	Yes
6	16	19.8u	342.0u	Yes
7	13	12.3u	464.0u	Yes
8	13	16.4u	285.0u	Yes
9	14	16.0u	337.0u	Yes
10	12	16.0u	210.0u	Yes
11	15	15.6u	410.0u	No
12	14	16.5u	322.0u	Yes
13	13	18.1u	442.0u	Yes
14	16	19.0u	239.0u	Yes
15	15	18.3u	325.0u	Yes
16	14	19.2u	300.0u	Yes
17	14	14.1u	215.0u	Yes
18	13	12.3u	314.0u	Yes
19	13	18.0u	277.0u	Yes
20	12	16.1u	276.0u	Yes
21	15	17.0u	392.0u	Yes
22	15	14.5u	495.0u	Yes
23	16	19.9u	308.0u	No
24	12	17.2u	424.0u	Yes
25	12	12.0u	308.0u	Yes
26	15	11.4u	207.0u	Yes
27	14	13.1u	267.0u	Yes
28	13	18.3u	349.0u	Yes
29	14	17.9u	475.0u	Yes
30	16	11.0u	283.0u	Yes
				Detection Rate: 90.0 %

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	No
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	Yes
8	LP_Signal_08	No
9	LP_Signal_09	Yes
10	LP_Signal_10	No
11	LP_Signal_11	Yes
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	No
15	LP_Signal_15	Yes
16	LP_Signal_16	Yes
17	LP_Signal_17	Yes
18	LP_Signal_18	Yes
19	LP_Signal_19	No
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	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	Yes
13	HOP_FREQ_SEQ_13	Yes
14	HOP_FREQ_SEQ_14	Yes
15	HOP_FREQ_SEQ_15	Yes
16	HOP_FREQ_SEQ_16	Yes
17	HOP_FREQ_SEQ_17	Yes
18	HOP_FREQ_SEQ_18	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	Yes
22	HOP_FREQ_SEQ_22	Yes
23	HOP_FREQ_SEQ_23	Yes
24	HOP_FREQ_SEQ_24	Yes
25	HOP_FREQ_SEQ_25	Yes
26	HOP_FREQ_SEQ_26	Yes
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	Yes
		Detection Rate: 100.0 %

The Frequency Hopping Radar pattern showed in Annex A.3

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: 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	8M	62.6u	1.463m	-	98.12m
2	2	15M	62.2u	1.587m	-	12.95m
3	1	8M	69.2u	-	-	424.6m
4	3	11M	92.1u	1.217m	1.646m	687.3m
5	3	5M	51.0u	1.314m	1.915m	266.1m
6	1	17M	79.1u	-	-	408.2m
7	2	10M	67.4u	1.164m	-	494.7m
8	3	10M	71.4u	1.509m	1.187m	202.2m
9	2	15M	73.6u	1.277m	-	826.4m
10	3	8M	96.2u	1.628m	1.360m	70.76m
11	1	7M	97.2u	-	-	184.4m
12	2	19M	74.7u	1.757m	-	197.8m
13	1	14M	62.0u	-	-	128.7m
14	1	15M	99.4u	-	-	589.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_02
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	5M	58.1u	-	-	915.0m
2	1	6M	98.7u	-	-	500.7m
3	2	8M	90.8u	1.263m	-	178.0m
4	2	10M	91.0u	1.428m	-	870.8m
5	3	7M	92.4u	1.748m	1.181m	219.7m
6	1	12M	61.6u	-	-	1.050
7	1	11M	72.7u	-	-	1.046
8	2	17M	59.6u	1.562m	-	42.57m
9	3	13M	77.8u	1.810m	1.315m	128.4m
10	2	6M	97.0u	1.801m	-	1.146

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	77.9u	1.687m	-	698.1m
2	2	11M	58.6u	1.557m	-	439.6m
3	2	13M	96.2u	1.222m	-	61.06m
4	2	8M	71.8u	1.431m	-	763.4m
5	3	7M	89.4u	1.011m	1.711m	107.9m
6	3	10M	61.2u	1.921m	1.324m	186.5m
7	2	13M	97.1u	1.813m	-	362.0m
8	3	15M	93.9u	1.665m	1.261m	459.3m
9	2	16M	75.7u	1.145m	-	215.1m
10	1	8M	71.5u	-	-	582.5m
11	2	15M	83.0u	1.887m	-	778.4m
12	1	15M	79.6u	-	-	107.4m
13	2	17M	52.9u	1.705m	-	207.7m
14	2	14M	94.8u	1.194m	-	409.2m
15	2	17M	86.9u	1.468m	-	562.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	86.9u	1.638m	1.383m	665.2m
2	3	7M	60.2u	1.806m	1.255m	482.4m
3	2	11M	96.2u	1.606m	-	466.1m
4	1	17M	83.3u	-	-	468.7m
5	1	19M	81.3u	-	-	383.2m
6	2	6M	57.8u	1.655m	-	274.4m
7	3	8M	54.9u	1.722m	1.699m	340.9m
8	3	8M	77.9u	1.121m	1.857m	585.5m
9	3	19M	74.5u	1.692m	1.150m	90.88m
10	1	20M	56.5u	-	-	560.0m
11	2	13M	51.9u	1.825m	-	450.4m
12	2	12M	73.6u	1.345m	-	551.7m
13	1	11M	85.3u	-	-	204.8m
14	2	12M	70.9u	1.530m	-	454.2m
15	1	19M	67.8u	-	-	490.9m
16	3	15M	90.5u	1.878m	1.843m	227.4m
17	1	9M	74.2u	-	-	277.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_05
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	55.2u	1.379m	-	358.5m
2	1	8M	70.7u	-	-	147.6m
3	1	13M	52.0u	-	-	107.4m
4	2	14M	84.5u	1.887m	-	100.4m
5	3	8M	64.1u	1.222m	1.631m	301.1m
6	3	11M	82.6u	1.770m	1.114m	431.5m
7	3	6M	96.6u	1.438m	1.823m	722.0m
8	2	8M	96.4u	1.374m	-	280.4m
9	2	13M	84.0u	1.029m	-	278.1m
10	1	20M	55.2u	-	-	522.2m
11	2	17M	66.5u	1.114m	-	43.99m
12	3	15M	60.7u	1.381m	1.566m	111.2m
13	1	18M	92.3u	-	-	200.8m
14	1	10M	59.0u	-	-	855.3m

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	1	12M	85.7u	-	-	347.2m
2	1	12M	89.0u	-	-	81.25m
3	2	18M	94.4u	1.492m	-	24.58m
4	3	15M	70.8u	1.072m	1.746m	925.4m
5	1	19M	63.2u	-	-	733.5m
6	2	10M	72.9u	1.071m	-	1.291
7	3	19M	92.4u	1.113m	1.581m	304.6m
8	1	16M	63.1u	-	-	934.3m
9	3	9M	64.6u	1.743m	1.225m	182.9m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_07
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	12M	71.0u	935.0u	-	578.2m
2	3	13M	75.9u	1.767m	1.451m	45.49m
3	2	8M	85.9u	1.268m	-	165.8m
4	1	9M	90.3u	-	-	296.1m
5	1	18M	94.1u	-	-	46.15m
6	1	13M	71.4u	-	-	298.0m
7	2	15M	69.8u	1.655m	-	450.0m
8	3	19M	65.8u	1.581m	945.2u	421.6m
9	1	14M	94.8u	-	-	54.99m
10	2	11M	90.1u	949.9u	-	456.3m
11	1	12M	63.1u	-	-	169.5m
12	1	13M	79.2u	-	-	169.6m
13	2	14M	62.1u	1.228m	-	310.9m
14	2	10M	69.1u	1.731m	-	79.89m
15	2	13M	83.5u	1.698m	-	248.0m
16	3	9M	86.7u	1.886m	1.144m	507.1m
17	1	5M	71.6u	-	-	270.7m
18	3	11M	66.8u	1.324m	1.139m	372.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_08
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	77.8u	1.388m	1.334m	481.4m
2	1	17M	64.8u	-	-	6.373m
3	2	8M	97.4u	1.325m	-	73.17m
4	1	8M	68.2u	-	-	64.28m
5	3	6M	99.1u	983.9u	1.173m	92.18m
6	2	6M	51.1u	1.180m	-	639.2m
7	3	19M	51.5u	1.678m	978.5u	520.3m
8	2	7M	83.2u	1.255m	-	124.2m
9	1	16M	96.0u	-	-	672.9m
10	1	12M	63.4u	-	-	14.16m
11	3	8M	58.2u	1.856m	1.744m	88.68m
12	2	13M	87.3u	1.449m	-	47.80m
13	1	9M	60.0u	-	-	435.8m
14	2	8M	94.8u	1.710m	-	697.2m
15	3	19M	65.7u	1.877m	1.205m	221.2m
16	3	16M	93.6u	1.276m	982.4u	18.09m
17	1	10M	84.5u	-	-	105.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_09
Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	88.2u	1.009m	-	26.55m
2	2	6M	79.5u	1.772m	-	1.322
3	2	5M	68.6u	974.4u	-	124.2m
4	2	20M	89.5u	1.762m	-	499.4m
5	2	16M	84.0u	1.623m	-	272.7m
6	2	11M	75.7u	1.716m	-	983.6m
7	2	14M	92.1u	1.034m	-	1.174
8	2	19M	64.9u	1.700m	-	420.3m
9	2	19M	74.8u	1.569m	-	572.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_10
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	7M	51.3u	-	-	672.6m
2	1	8M	80.8u	-	-	282.4m
3	2	15M	76.5u	1.506m	-	629.3m
4	3	15M	90.3u	1.186m	1.291m	483.5m
5	1	18M	69.5u	-	-	702.0m
6	2	18M	59.4u	1.909m	-	360.3m
7	3	7M	74.1u	1.840m	1.375m	94.05m
8	2	15M	78.9u	1.360m	-	591.0m
9	2	14M	61.9u	1.882m	-	216.7m
10	3	16M	69.4u	1.116m	1.493m	459.0m
11	1	13M	61.3u	-	-	425.7m
12	3	20M	83.6u	1.896m	1.697m	194.5m
13	2	10M	65.3u	1.123m	-	299.6m
14	2	18M	56.4u	1.084m	-	227.0m
15	3	12M	90.8u	1.095m	1.676m	528.6m
16	3	6M	77.6u	1.450m	931.4u	698.4m
17	3	20M	83.2u	1.159m	1.561m	155.5m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	64.7u	1.563m	-	163.6m
2	3	7M	76.3u	1.167m	1.742m	252.7m
3	3	17M	71.8u	1.720m	1.706m	754.7m
4	1	8M	59.0u	-	-	189.9m
5	1	13M	98.4u	-	-	102.8m
6	1	12M	86.5u	-	-	473.1m
7	2	14M	82.4u	1.632m	-	233.8m
8	1	15M	53.7u	-	-	827.6m
9	2	8M	92.4u	1.775m	-	536.7m
10	3	18M	79.2u	1.122m	1.667m	180.3m
11	2	13M	82.8u	943.2u	-	919.4m
12	3	10M	66.3u	1.373m	1.073m	286.3m
13	2	6M	63.2u	1.660m	-	873.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_12
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	8M	97.4u	1.618m	-	165.3m
2	3	15M	91.7u	1.775m	1.296m	99.73m
3	2	13M	94.7u	1.421m	-	1.084
4	2	9M	70.8u	1.711m	-	448.1m
5	2	9M	55.4u	1.261m	-	903.2m
6	3	18M	84.4u	1.010m	1.015m	945.0m
7	2	11M	93.4u	1.028m	-	1.079
8	2	18M	85.8u	1.338m	-	136.0m
9	2	12M	72.9u	1.556m	-	575.3m
10	2	20M	84.3u	1.344m	-	58.54m
11	3	10M	76.0u	1.836m	1.583m	912.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_13
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	11M	52.5u	1.803m	1.494m	658.6m
2	1	15M	99.0u	-	-	397.1m
3	2	15M	66.1u	1.398m	-	721.5m
4	1	7M	96.5u	-	-	298.3m
5	2	8M	89.3u	1.437m	-	7.964m
6	2	11M	94.1u	1.593m	-	965.2m
7	3	14M	86.5u	1.561m	1.078m	602.3m
8	2	17M	63.1u	1.069m	-	80.12m
9	2	8M	65.6u	1.676m	-	584.1m
10	1	8M	87.4u	-	-	547.9m
11	2	9M	75.4u	1.281m	-	945.1m
12	2	15M	94.6u	1.319m	-	456.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_14
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	13M	66.0u	1.510m	-	748.4m
2	2	11M	62.5u	1.195m	-	626.7m
3	3	16M	67.1u	1.092m	1.201m	756.6m
4	1	19M	69.3u	-	-	60.94m
5	2	7M	95.1u	1.815m	-	947.9m
6	3	9M	77.8u	1.219m	1.565m	159.4m
7	2	6M	92.4u	1.723m	-	780.9m
8	1	6M	78.9u	-	-	1.175

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	12M	95.4u	-	-	229.3m
2	1	19M	88.6u	-	-	505.5m
3	1	14M	80.8u	-	-	2.926m
4	2	16M	76.6u	989.4u	-	313.7m
5	2	6M	58.1u	1.663m	-	488.4m
6	1	17M	87.1u	-	-	416.5m
7	3	7M	86.7u	1.211m	1.722m	346.5m
8	3	15M	59.5u	1.333m	1.218m	183.6m
9	1	9M	54.1u	-	-	420.8m
10	1	6M	99.2u	-	-	288.2m
11	2	7M	60.5u	1.170m	-	180.2m
12	1	15M	87.7u	-	-	695.4m
13	3	14M	87.8u	1.532m	914.2u	386.0m
14	3	11M	85.2u	1.520m	1.779m	447.6m
15	2	16M	79.2u	1.012m	-	462.8m
16	2	7M	81.2u	942.8u	-	483.4m
17	2	9M	95.0u	1.803m	-	541.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_16
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	62.4u	1.628m	-	680.1m
2	1	11M	58.2u	-	-	353.1m
3	2	9M	54.3u	1.837m	-	172.8m
4	2	17M	66.9u	1.755m	-	50.97m
5	3	7M	52.2u	1.846m	1.716m	178.2m
6	2	6M	94.7u	1.673m	-	407.3m
7	2	19M	53.8u	1.258m	-	536.7m
8	2	11M	79.3u	1.252m	-	282.0m
9	1	19M	80.1u	-	-	600.4m
10	1	18M	88.4u	-	-	473.4m
11	1	17M	96.5u	-	-	63.13m
12	3	12M	57.2u	993.8u	1.480m	64.51m
13	2	19M	54.5u	1.895m	-	38.63m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_17
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	12M	58.5u	-	-	495.0m
2	2	7M	90.8u	1.752m	-	597.8m
3	3	15M	99.2u	1.740m	1.884m	43.06m
4	3	7M	56.6u	1.209m	1.007m	491.4m
5	2	19M	77.8u	1.144m	-	769.5m
6	1	7M	58.2u	-	-	265.1m
7	3	9M	92.4u	1.746m	1.473m	11.23m
8	2	14M	78.6u	1.190m	-	696.0m
9	1	18M	99.9u	-	-	505.8m
10	2	12M	66.4u	1.043m	-	539.0m
11	3	9M	58.8u	1.140m	1.741m	539.7m
12	1	10M	92.6u	-	-	14.17m
13	2	17M	91.5u	1.001m	-	789.2m
14	3	18M	85.6u	1.719m	1.578m	597.9m
15	2	9M	68.6u	1.824m	-	431.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_18
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	8M	54.7u	1.153m	-	296.4m
2	3	16M	55.8u	1.885m	1.878m	76.21m
3	1	18M	94.0u	-	-	349.8m
4	2	19M	54.6u	1.316m	-	288.7m
5	3	10M	77.1u	1.247m	938.9u	111.2m
6	3	6M	90.5u	1.214m	1.067m	354.1m
7	2	14M	59.3u	1.725m	-	429.0m
8	1	11M	58.7u	-	-	537.2m
9	3	10M	99.9u	1.583m	1.688m	615.5m
10	1	13M	88.3u	-	-	446.4m
11	2	8M	59.5u	1.743m	-	467.6m
12	1	18M	54.6u	-	-	345.9m
13	2	9M	86.9u	1.439m	-	190.2m
14	3	6M	58.4u	1.268m	1.917m	631.6m
15	1	10M	59.1u	-	-	611.2m
16	3	12M	67.1u	1.519m	1.275m	254.8m
17	1	9M	63.7u	-	-	647.6m
18	1	19M	52.2u	-	-	341.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_19
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	18M	57.4u	1.386m	1.268m	382.5m
2	2	11M	96.3u	1.393m	-	112.0m
3	2	15M	73.8u	1.810m	-	724.1m
4	1	16M	60.5u	-	-	537.2m
5	3	11M	80.7u	1.573m	1.448m	259.8m
6	2	11M	53.4u	982.6u	-	693.1m
7	3	11M	58.7u	1.569m	948.3u	279.1m
8	1	9M	82.9u	-	-	417.7m
9	2	6M	91.0u	1.149m	-	551.9m
10	3	11M	79.3u	1.301m	1.237m	29.18m
11	2	6M	60.8u	1.777m	-	641.2m
12	3	14M	65.1u	1.730m	1.400m	194.4m
13	2	19M	97.7u	1.206m	-	667.0m
14	1	16M	94.4u	-	-	264.6m
15	2	6M	91.9u	958.1u	-	6.506m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_20
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	98.6u	1.198m	1.062m	396.9m
2	2	18M	56.8u	1.468m	-	705.1m
3	2	19M	78.7u	1.205m	-	603.7m
4	2	13M	91.2u	1.005m	-	14.77m
5	2	16M	73.1u	985.9u	-	145.6m
6	3	10M	59.4u	1.180m	1.913m	560.4m
7	2	7M	53.1u	1.536m	-	688.6m
8	3	16M	54.4u	1.761m	1.914m	11.79m
9	2	9M	93.8u	1.525m	-	395.3m
10	1	8M	63.0u	-	-	457.1m
11	2	18M	68.3u	1.545m	-	491.7m
12	1	19M	72.8u	-	-	550.0m
13	3	5M	79.9u	1.900m	1.725m	382.1m
14	1	14M	61.6u	-	-	654.7m
15	3	19M	52.6u	1.333m	1.573m	568.0m
16	2	19M	83.8u	1.712m	-	484.9m

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	8M	76.3u	964.7u	959.7u	14.51m
2	3	17M	65.4u	1.005m	1.579m	381.5m
3	2	7M	73.5u	1.846m	-	442.0m
4	1	16M	83.5u	-	-	43.48m
5	3	9M	87.7u	1.224m	1.861m	303.5m
6	2	6M	51.5u	1.005m	-	659.6m
7	2	20M	80.3u	1.897m	-	504.5m
8	2	19M	97.7u	1.692m	-	104.1m
9	2	11M	72.1u	1.823m	-	128.3m
10	2	14M	98.9u	1.474m	-	607.8m
11	3	9M	75.1u	1.613m	1.216m	161.1m
12	2	19M	55.3u	1.810m	-	570.5m
13	2	10M	96.3u	1.694m	-	514.2m
14	1	15M	53.9u	-	-	64.34m
15	3	11M	54.3u	1.735m	1.001m	417.3m
16	2	17M	90.6u	1.751m	-	224.5m
17	2	11M	93.5u	928.5u	-	76.97m
18	2	7M	51.0u	1.532m	-	510.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_22
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	79.0u	1.583m	-	601.4m
2	2	15M	68.9u	1.837m	-	666.1m
3	1	12M	56.1u	-	-	715.0m
4	2	10M	62.6u	1.549m	-	702.7m
5	3	9M	76.5u	1.569m	1.176m	653.3m
6	2	9M	70.0u	1.828m	-	677.6m
7	2	10M	94.6u	960.4u	-	53.75m
8	3	10M	62.0u	1.080m	1.589m	386.8m
9	1	6M	65.4u	-	-	783.9m
10	1	6M	53.8u	-	-	887.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_23
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	17M	54.7u	1.683m	-	923.9m
2	2	11M	89.6u	1.487m	-	96.96m
3	2	15M	58.5u	1.625m	-	89.46m
4	2	10M	96.3u	1.446m	-	223.2m
5	2	17M	72.1u	977.9u	-	967.9m
6	3	9M	77.0u	989.0u	1.314m	121.2m
7	3	6M	73.5u	940.5u	1.723m	285.0m
8	2	20M	96.2u	1.102m	-	1.000
9	1	11M	54.7u	-	-	75.99m
10	1	19M	93.8u	-	-	401.9m
11	2	14M	67.4u	1.561m	-	574.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_24
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	18M	87.3u	1.262m	976.7u	593.8m
2	1	10M	60.9u	-	-	519.1m
3	1	15M	68.6u	-	-	757.3m
4	2	13M	69.7u	1.537m	-	850.5m
5	2	10M	50.0u	1.724m	-	741.7m
6	2	18M	98.9u	1.284m	-	38.31m
7	2	7M	81.1u	1.858m	-	3.085m
8	1	19M	54.8u	-	-	292.2m
9	3	16M	80.8u	1.272m	1.460m	528.2m
10	1	19M	75.6u	-	-	192.1m
11	2	11M	60.0u	1.618m	-	392.8m
12	2	12M	79.5u	1.644m	-	296.9m
13	3	12M	95.5u	945.5u	1.893m	4.328m
14	3	11M	85.3u	1.849m	1.169m	23.32m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_25
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	7M	68.6u	-	-	722.5m
2	2	17M	80.9u	1.727m	-	1.229
3	3	6M	82.7u	1.595m	1.417m	616.7m
4	1	6M	72.6u	-	-	165.1m
5	2	19M	71.5u	1.534m	-	440.4m
6	3	16M	95.2u	1.171m	1.517m	991.4m
7	3	7M	81.1u	1.387m	1.737m	676.4m
8	2	16M	65.1u	1.211m	-	540.6m
9	3	15M	95.6u	1.096m	1.897m	1.207

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
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	5M	91.7u	-	-	561.9m
2	1	11M	83.9u	-	-	254.4m
3	2	7M	89.5u	1.277m	-	561.7m
4	2	10M	82.8u	1.187m	-	410.1m
5	2	13M	87.2u	1.264m	-	493.8m
6	1	17M	58.4u	-	-	484.2m
7	2	12M	70.4u	1.387m	-	608.7m
8	1	20M	59.5u	-	-	189.6m
9	2	9M	60.2u	1.743m	-	259.7m
10	2	16M	98.2u	1.344m	-	83.85m
11	3	8M	72.3u	1.400m	1.325m	225.3m
12	2	6M	91.1u	1.806m	-	408.5m
13	3	8M	62.6u	1.167m	1.446m	575.5m
14	2	14M	97.3u	1.469m	-	391.5m
15	1	19M	67.8u	-	-	435.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_27
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	58.6u	1.780m	-	1.050
2	1	18M	76.7u	-	-	826.2m
3	1	14M	60.6u	-	-	99.98m
4	2	13M	96.6u	1.120m	-	585.3m
5	3	11M	80.2u	1.185m	1.533m	1.137
6	3	11M	71.1u	931.9u	1.122m	1.128
7	1	11M	67.6u	-	-	314.4m
8	2	10M	68.4u	1.611m	-	931.7m
9	3	9M	64.4u	1.420m	1.808m	772.6m
10	2	14M	65.0u	1.598m	-	291.2m

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	18M	80.1u	1.608m	-	288.3m
2	3	12M	70.8u	933.2u	1.556m	352.0m
3	2	9M	87.0u	1.364m	-	474.3m
4	2	11M	83.6u	1.525m	-	142.1m
5	3	7M	62.1u	1.342m	1.645m	408.0m
6	2	7M	93.9u	1.478m	-	390.7m
7	2	14M	98.1u	1.736m	-	306.7m
8	1	17M	89.3u	-	-	508.1m
9	1	8M	98.3u	-	-	535.8m
10	2	18M	93.2u	1.725m	-	160.0m
11	2	15M	73.9u	1.332m	-	554.4m
12	2	7M	78.6u	1.113m	-	104.3m
13	3	9M	86.8u	1.289m	1.526m	15.29m
14	1	9M	74.5u	-	-	346.1m
15	3	11M	50.9u	1.736m	1.864m	479.3m
16	2	6M	56.9u	1.097m	-	126.2m
17	2	19M	65.6u	1.165m	-	247.3m
18	2	10M	84.1u	1.458m	-	576.8m
19	2	8M	61.0u	1.730m	-	358.4m
20	1	10M	68.9u	-	-	26.65m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_29
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	17M	60.0u	1.138m	-	743.8m
2	2	19M	67.4u	1.379m	-	61.88m
3	2	11M	77.5u	1.221m	-	292.0m
4	1	8M	76.9u	-	-	364.1m
5	2	10M	86.6u	1.396m	-	120.5m
6	3	16M	59.1u	1.769m	985.9u	561.1m
7	2	6M	94.7u	1.443m	-	521.9m
8	2	9M	96.3u	1.239m	-	788.5m
9	2	17M	78.4u	1.338m	-	633.1m
10	2	6M	99.2u	1.056m	-	127.6m
11	3	20M	53.2u	1.272m	1.811m	649.7m
12	2	12M	51.2u	1.886m	-	668.3m
13	3	8M	77.9u	1.822m	1.579m	808.7m
14	1	6M	77.3u	-	-	272.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
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	63.4u	-	-	46.57m
2	1	6M	77.2u	-	-	581.7m
3	3	16M	75.7u	1.022m	1.164m	42.79m
4	1	14M	91.6u	-	-	458.9m
5	2	6M	68.0u	1.004m	-	243.7m
6	1	19M	86.8u	-	-	61.21m
7	1	6M	65.2u	-	-	615.9m
8	2	11M	72.6u	1.066m	-	369.1m
9	1	16M	57.8u	-	-	322.0m
10	1	11M	83.2u	-	-	454.4m
11	2	8M	69.3u	1.884m	-	387.9m
12	1	14M	68.9u	-	-	531.9m
13	3	17M	57.2u	1.186m	1.915m	600.8m
14	3	16M	51.5u	1.698m	1.243m	370.2m
15	1	8M	57.0u	-	-	121.6m
16	2	19M	73.4u	1.438m	-	352.9m
17	2	19M	75.5u	1.325m	-	617.2m

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Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_01
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	92.6u	916.4u	-	685.2m
2	2	13M	87.1u	1.654m	-	326.8m
3	3	19M	72.6u	1.315m	1.736m	136.4m
4	1	14M	94.0u	-	-	529.3m
5	3	7M	75.7u	1.788m	1.653m	505.2m
6	3	11M	58.7u	1.283m	1.509m	322.2m
7	1	13M	97.5u	-	-	419.8m
8	3	8M	72.1u	1.229m	1.056m	68.93m
9	3	14M	57.6u	1.211m	1.061m	680.6m
10	2	17M	81.4u	1.368m	-	306.8m
11	2	19M	85.8u	1.013m	-	47.30m
12	2	6M	74.7u	1.685m	-	413.9m
13	2	10M	82.3u	1.650m	-	93.58m
14	3	7M	52.4u	1.800m	1.595m	544.7m
15	3	7M	85.3u	1.509m	1.588m	154.4m
16	2	15M	50.2u	1.782m	-	370.4m
17	2	8M	56.7u	1.246m	-	163.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_02
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	74.5u	1.578m	-	250.3m
2	3	20M	53.1u	1.675m	1.595m	202.2m
3	2	6M	80.2u	1.153m	-	387.6m
4	2	13M	57.6u	1.427m	-	402.7m
5	3	18M	99.5u	1.767m	950.5u	478.3m
6	2	13M	52.7u	1.183m	-	780.5m
7	1	6M	71.7u	-	-	516.8m
8	2	16M	91.6u	1.476m	-	113.1m
9	2	8M	86.2u	1.607m	-	80.66m
10	2	5M	66.9u	1.725m	-	490.5m
11	1	9M	67.2u	-	-	387.9m
12	2	18M	72.9u	1.665m	-	741.7m
13	3	16M	66.1u	1.862m	1.830m	565.3m
14	2	9M	58.7u	1.477m	-	9.990m
15	2	8M	60.4u	1.056m	-	387.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	75.0u	1.826m	-	81.78m
2	2	13M	80.0u	1.658m	-	128.0m
3	2	15M	98.2u	1.579m	-	347.4m
4	2	7M	92.7u	1.253m	-	702.9m
5	3	12M	74.6u	1.812m	1.113m	767.7m
6	2	6M	81.3u	1.015m	-	463.9m
7	1	14M	76.8u	-	-	324.7m
8	2	11M	57.1u	1.375m	-	550.1m
9	3	9M	55.7u	1.050m	1.086m	136.7m
10	1	11M	69.3u	-	-	292.8m
11	1	10M	65.8u	-	-	226.3m
12	2	12M	70.5u	1.394m	-	550.7m
13	3	6M	79.9u	1.368m	1.607m	710.1m
14	1	5M	61.0u	-	-	357.1m
15	3	10M	51.9u	1.227m	1.370m	313.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
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	10M	85.7u	1.148m	-	27.59m
2	2	13M	67.4u	1.564m	-	445.8m
3	1	19M	79.9u	-	-	709.7m
4	2	16M	51.2u	1.704m	-	216.2m
5	2	16M	77.4u	1.482m	-	716.9m
6	2	12M	83.9u	1.232m	-	779.0m
7	1	17M	75.7u	-	-	162.4m
8	2	10M	53.7u	1.382m	-	388.5m
9	3	8M	97.9u	1.816m	1.725m	645.9m
10	1	18M	98.3u	-	-	812.1m
11	2	18M	79.4u	1.777m	-	727.3m
12	1	7M	78.9u	-	-	210.5m
13	2	9M	80.2u	1.424m	-	422.0m
14	1	19M	53.4u	-	-	97.64m

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	5M	53.5u	1.305m	-	811.2m
2	1	19M	56.8u	-	-	424.8m
3	1	6M	64.3u	-	-	506.4m
4	3	5M	52.2u	1.463m	1.075m	339.9m
5	2	12M	90.8u	1.256m	-	874.9m
6	3	12M	55.0u	1.196m	1.661m	744.2m
7	1	17M	61.2u	-	-	179.3m
8	3	12M	59.8u	1.521m	1.387m	787.6m
9	3	15M	55.4u	1.646m	1.872m	29.93m
10	2	6M	90.1u	1.132m	-	866.2m
11	2	17M	51.7u	1.886m	-	640.4m
12	3	10M	90.6u	1.775m	1.004m	803.2m
13	2	5M	52.6u	1.858m	-	188.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_06
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	54.2u	1.753m	1.653m	552.9m
2	1	18M	88.1u	-	-	400.9m
3	1	10M	92.4u	-	-	596.2m
4	3	15M	64.9u	1.460m	1.271m	91.47m
5	1	9M	99.9u	-	-	45.47m
6	2	6M	54.8u	1.932m	-	429.7m
7	2	14M	77.6u	1.665m	-	235.7m
8	1	11M	88.3u	-	-	487.7m
9	3	9M	67.4u	1.724m	1.356m	135.0m
10	3	9M	54.5u	1.587m	1.136m	402.5m
11	1	10M	67.2u	-	-	137.3m
12	1	9M	59.2u	-	-	572.4m
13	3	11M	63.5u	1.666m	1.070m	486.8m
14	2	14M	55.9u	1.135m	-	248.3m
15	3	5M	69.2u	1.260m	1.771m	515.2m
16	2	11M	58.6u	1.490m	-	309.1m
17	2	17M	87.6u	1.436m	-	208.9m
18	3	20M	88.0u	1.096m	1.098m	41.79m
19	3	13M	84.2u	1.276m	1.226m	308.0m
20	1	9M	92.2u	-	-	388.6m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	67.9u	1.451m	-	625.2m
2	1	6M	91.5u	-	-	41.44m
3	3	16M	79.1u	1.425m	1.056m	993.6m
4	2	7M	68.6u	1.600m	-	541.5m
5	2	16M	84.0u	1.332m	-	474.0m
6	2	13M	81.7u	1.575m	-	917.6m
7	1	14M	62.0u	-	-	48.17m
8	2	12M	60.7u	1.243m	-	722.4m
9	2	17M	70.5u	1.405m	-	853.7m
10	2	7M	50.2u	1.342m	-	387.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_08
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	50.7u	1.313m	-	606.8m
2	2	9M	92.9u	1.431m	-	784.8m
3	3	9M	60.1u	1.169m	1.267m	1.040
4	2	11M	55.1u	1.631m	-	15.05m
5	2	5M	94.7u	1.553m	-	258.6m
6	3	9M	69.6u	954.4u	1.102m	168.0m
7	3	16M	58.6u	1.796m	1.579m	20.26m
8	1	12M	60.6u	-	-	395.6m
9	2	17M	51.2u	989.8u	-	965.7m
10	1	19M	58.3u	-	-	842.9m
11	2	16M	58.8u	1.780m	-	796.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_09
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	91.6u	1.729m	-	466.2m
2	1	5M	86.0u	-	-	567.7m
3	3	11M	61.5u	1.793m	1.729m	513.2m
4	3	8M	65.9u	1.814m	1.438m	91.61m
5	1	20M	94.8u	-	-	57.56m
6	1	9M	61.1u	-	-	470.7m
7	2	14M	56.0u	1.583m	-	494.7m
8	2	8M	57.7u	1.319m	-	478.0m
9	3	19M	80.3u	1.288m	1.339m	159.8m
10	2	17M	60.4u	1.005m	-	390.7m
11	2	5M	52.0u	1.058m	-	436.2m
12	3	14M	55.5u	1.453m	1.211m	99.39m
13	3	15M	51.3u	1.143m	1.492m	505.2m
14	2	11M	59.8u	1.348m	-	431.1m
15	2	18M	64.3u	1.330m	-	67.58m
16	3	13M	50.7u	1.416m	1.668m	233.0m
17	3	13M	67.8u	1.601m	1.630m	487.9m
18	2	8M	96.9u	1.013m	-	165.9m
19	1	13M	65.3u	-	-	15.60m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	13M	65.3u	1.907m	1.699m	443.9m
2	1	17M	68.3u	-	-	600.9m
3	1	13M	85.7u	-	-	25.39m
4	2	10M	69.1u	1.856m	-	301.4m
5	2	15M	79.7u	1.885m	-	625.6m
6	2	8M	82.6u	1.113m	-	607.7m
7	2	10M	59.1u	1.669m	-	268.8m
8	2	17M	61.7u	1.474m	-	231.8m
9	1	16M	64.5u	-	-	367.8m
10	1	18M	88.3u	-	-	181.4m
11	2	13M	51.3u	1.080m	-	310.8m
12	1	9M	58.9u	-	-	472.7m
13	1	14M	58.3u	-	-	609.1m
14	3	14M	65.9u	1.333m	1.716m	618.4m
15	2	10M	69.3u	1.222m	-	406.7m
16	2	14M	74.5u	1.643m	-	272.6m
17	2	14M	98.1u	1.755m	-	478.0m
18	3	12M	66.4u	1.284m	1.303m	176.1m
19	3	11M	74.9u	1.537m	1.226m	520.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_11
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	91.3u	1.419m	-	68.11m
2	2	17M	55.4u	1.444m	-	261.6m
3	1	7M	94.6u	-	-	227.1m
4	2	5M	69.7u	1.312m	-	560.4m
5	2	16M	81.2u	1.567m	-	339.0m
6	2	10M	53.1u	1.272m	-	61.74m
7	2	11M	54.5u	1.445m	-	581.4m
8	1	9M	64.5u	-	-	275.5m
9	2	8M	56.0u	1.281m	-	445.9m
10	2	12M	87.8u	1.363m	-	329.1m
11	3	5M	95.5u	1.377m	1.237m	463.3m
12	2	17M	93.8u	994.2u	-	564.2m
13	2	13M	65.0u	1.534m	-	609.8m
14	3	9M	61.1u	1.065m	1.220m	181.8m
15	2	8M	67.0u	1.659m	-	603.7m
16	3	14M	99.2u	1.647m	1.619m	341.3m
17	2	19M	98.6u	1.285m	-	358.7m
18	3	17M	82.3u	1.192m	1.858m	187.5m
19	2	20M	63.3u	1.592m	-	619.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_12
Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	71.1u	1.253m	-	258.4m
2	2	12M	68.6u	1.482m	-	154.3m
3	2	5M	77.6u	1.815m	-	93.41m
4	1	17M	76.0u	-	-	582.0m
5	2	19M	85.7u	1.052m	-	581.9m
6	3	16M	66.7u	1.749m	1.877m	2.915m
7	2	10M	61.7u	1.173m	-	239.6m
8	2	17M	91.5u	1.818m	-	493.6m
9	1	7M	52.0u	-	-	189.5m
10	2	18M	68.8u	1.039m	-	587.2m
11	1	9M	52.8u	-	-	171.6m
12	2	6M	51.9u	1.004m	-	187.7m
13	2	10M	54.4u	1.815m	-	198.6m
14	2	14M	91.6u	1.040m	-	506.8m
15	3	20M	61.9u	1.696m	1.106m	454.5m
16	2	10M	59.0u	1.665m	-	334.0m
17	3	15M	72.0u	1.338m	1.624m	362.7m
18	3	16M	71.8u	1.479m	1.277m	395.8m
19	2	9M	71.3u	1.120m	-	245.5m
20	3	11M	50.4u	1.229m	1.376m	473.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_13
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	13M	78.9u	-	-	239.7m
2	3	11M	92.1u	1.073m	1.894m	390.4m
3	2	7M	61.6u	1.228m	-	84.20m
4	3	13M	66.9u	1.103m	1.500m	579.0m
5	1	10M	93.2u	-	-	480.5m
6	2	20M	60.4u	1.146m	-	650.4m
7	2	14M	67.2u	1.263m	-	853.9m
8	1	16M	89.6u	-	-	90.22m
9	2	8M	55.1u	1.930m	-	760.6m
10	3	13M	78.5u	1.355m	1.533m	722.3m
11	2	15M	99.7u	1.779m	-	335.5m
12	2	6M	76.9u	1.835m	-	570.4m
13	3	18M	54.8u	1.107m	1.765m	493.8m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	60.2u	1.721m	-	303.0m
2	3	12M	62.3u	1.098m	1.763m	826.8m
3	1	7M	82.0u	-	-	1.087
4	1	12M	82.8u	-	-	212.8m
5	2	6M	74.1u	1.272m	-	609.0m
6	2	11M	89.7u	953.3u	-	329.0m
7	2	5M	98.7u	1.456m	-	1.108
8	1	11M	90.0u	-	-	1.215
9	2	16M	94.1u	1.624m	-	1.272

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	17M	69.4u	1.208m	-	443.0m
2	2	15M	89.9u	922.1u	-	296.5m
3	3	18M	69.0u	1.068m	1.031m	737.2m
4	3	8M	76.5u	1.313m	1.118m	605.0m
5	1	7M	62.6u	-	-	263.0m
6	1	7M	95.3u	-	-	804.4m
7	1	15M	69.2u	-	-	665.2m
8	3	7M	59.5u	1.105m	1.242m	305.7m
9	3	15M	74.0u	1.690m	1.871m	754.1m
10	3	18M	93.0u	999.0u	1.197m	543.0m
11	2	17M	65.6u	946.4u	-	753.4m
12	1	10M	84.6u	-	-	561.8m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	11M	68.7u	-	-	34.69m
2	2	8M	52.3u	989.7u	-	404.9m
3	1	18M	97.5u	-	-	453.5m
4	1	10M	87.2u	-	-	350.8m
5	2	6M	67.7u	1.804m	-	258.3m
6	2	7M	70.5u	1.442m	-	446.0m
7	2	8M	80.5u	1.823m	-	494.9m
8	1	11M	64.8u	-	-	451.7m
9	2	13M	87.8u	1.339m	-	528.7m
10	3	5M	92.3u	1.233m	1.606m	674.7m
11	2	11M	73.4u	1.113m	-	346.5m
12	2	7M	51.8u	1.648m	-	606.3m
13	2	18M	85.4u	1.515m	-	197.5m
14	2	11M	96.7u	1.738m	-	439.1m
15	2	19M	99.9u	967.1u	-	445.1m
16	1	9M	62.9u	-	-	346.0m
17	3	12M	88.9u	1.062m	949.1u	342.3m

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	18M	88.1u	-	-	26.17m
2	3	7M	99.6u	1.061m	1.039m	25.25m
3	1	10M	75.0u	-	-	535.4m
4	1	15M	50.2u	-	-	410.2m
5	3	18M	58.3u	1.783m	1.612m	83.95m
6	2	10M	51.0u	1.449m	-	71.14m
7	2	5M	67.2u	1.199m	-	86.36m
8	2	15M	85.7u	1.492m	-	391.4m
9	2	12M	82.6u	1.837m	-	412.1m
10	3	8M	98.9u	1.701m	1.363m	541.3m
11	1	7M	62.2u	-	-	251.2m
12	1	12M	64.1u	-	-	392.2m
13	2	16M	72.5u	1.119m	-	162.2m
14	1	10M	73.9u	-	-	524.4m
15	2	18M	85.6u	1.366m	-	553.4m
16	1	20M	51.3u	-	-	525.6m
17	3	7M	68.3u	1.842m	1.922m	585.4m
18	3	8M	74.1u	1.503m	1.160m	252.0m
19	1	17M	65.2u	-	-	119.8m

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	11M	93.5u	1.725m	-	735.7m
2	2	8M	87.7u	1.863m	-	1.082
3	2	5M	82.4u	1.113m	-	577.5m
4	1	17M	86.3u	-	-	558.9m
5	2	8M	99.3u	963.7u	-	1.098
6	2	18M	82.5u	1.154m	-	809.2m
7	2	6M	82.5u	1.056m	-	332.6m
8	1	6M	67.9u	-	-	391.4m
9	3	7M	70.9u	1.002m	1.490m	1.073

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_19
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	61.4u	1.598m	-	708.1m
2	1	15M	68.6u	-	-	308.1m
3	2	20M	75.2u	937.8u	-	797.0m
4	3	11M	63.7u	1.782m	1.877m	541.1m
5	1	7M	64.7u	-	-	263.4m
6	1	10M	67.5u	-	-	164.7m
7	2	15M	94.9u	1.807m	-	357.0m
8	3	12M	51.9u	1.906m	1.215m	699.3m
9	2	8M	68.3u	1.189m	-	151.6m
10	2	12M	61.7u	1.541m	-	207.2m
11	1	16M	85.5u	-	-	83.71m
12	2	17M	74.5u	1.094m	-	962.5m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_20
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	76.6u	1.665m	1.109m	77.20m
2	2	18M	50.5u	1.585m	-	493.6m
3	2	13M	67.4u	1.782m	-	541.6m
4	3	9M	63.1u	1.487m	1.922m	439.8m
5	3	13M	52.2u	1.659m	1.455m	699.8m
6	3	11M	72.1u	1.018m	1.882m	864.8m
7	1	15M	59.5u	-	-	219.2m
8	2	11M	87.9u	1.671m	-	757.5m
9	3	8M	99.5u	1.481m	1.852m	667.3m
10	2	8M	92.6u	1.584m	-	562.8m
11	3	5M	81.4u	1.745m	1.317m	502.5m
12	2	13M	91.1u	1.116m	-	120.5m
13	3	16M	90.5u	1.585m	1.731m	868.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_21
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	68.3u	969.7u	-	71.20m
2	2	7M	67.7u	1.813m	-	488.5m
3	2	10M	57.0u	1.275m	-	287.3m
4	1	9M	62.2u	-	-	596.3m
5	2	8M	52.9u	1.109m	-	411.9m
6	2	16M	65.1u	1.907m	-	713.1m
7	3	17M	99.7u	1.658m	1.853m	399.7m
8	2	19M	74.1u	1.074m	-	293.7m
9	1	10M	83.3u	-	-	978.7m
10	3	7M	60.6u	1.421m	1.223m	369.8m
11	2	8M	95.0u	1.199m	-	306.3m
12	2	11M	51.2u	1.306m	-	920.6m

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	1	17M	95.9u	-	-	82.80m
2	1	10M	54.6u	-	-	169.3m
3	1	8M	63.1u	-	-	831.8m
4	1	16M	52.2u	-	-	210.7m
5	2	20M	51.8u	1.656m	-	37.46m
6	2	10M	94.0u	1.106m	-	334.9m
7	2	17M	68.4u	1.707m	-	392.2m
8	1	14M	95.1u	-	-	366.7m
9	2	18M	85.4u	1.692m	-	604.4m
10	2	7M	64.8u	1.650m	-	861.2m
11	3	12M	91.6u	1.088m	1.030m	885.4m
12	2	6M	51.7u	1.868m	-	301.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_23
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	64.6u	1.811m	-	117.8m
2	2	17M	57.2u	1.150m	-	286.0m
3	1	13M	86.0u	-	-	341.2m
4	3	19M	88.0u	1.807m	1.103m	114.8m
5	3	11M	76.7u	1.337m	1.446m	439.9m
6	1	10M	69.5u	-	-	441.1m
7	3	7M	90.5u	1.513m	1.718m	128.1m
8	2	6M	76.5u	1.145m	-	344.7m
9	2	16M	72.5u	1.606m	-	77.20m
10	2	16M	61.9u	1.150m	-	2.919m
11	2	11M	76.3u	1.754m	-	159.8m
12	3	12M	89.7u	1.617m	1.496m	436.1m
13	3	18M	89.8u	1.890m	1.666m	552.3m
14	2	9M	50.3u	1.129m	-	362.4m
15	2	9M	53.4u	1.870m	-	536.4m
16	1	9M	85.5u	-	-	625.4m
17	2	8M	61.3u	1.161m	-	132.0m

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	3	8M	51.0u	1.480m	1.036m	486.9m
2	2	16M	73.3u	1.257m	-	79.07m
3	3	8M	74.6u	967.4u	1.851m	481.1m
4	1	12M	95.2u	-	-	417.5m
5	2	18M	94.3u	1.100m	-	485.3m
6	3	12M	95.2u	935.8u	1.461m	196.8m
7	2	9M	62.1u	1.782m	-	251.1m
8	1	18M	67.1u	-	-	329.1m
9	1	18M	84.4u	-	-	48.70m
10	1	18M	79.1u	-	-	330.4m
11	2	16M	98.5u	1.858m	-	260.9m
12	2	16M	61.6u	1.721m	-	630.7m
13	2	14M	66.6u	1.632m	-	597.4m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	20M	68.4u	1.651m	-	837.7m
2	2	14M	93.6u	1.427m	-	517.3m
3	2	6M	85.6u	1.597m	-	274.5m
4	2	6M	82.4u	1.884m	-	741.4m
5	2	10M	95.1u	1.544m	-	766.0m
6	2	12M	63.8u	1.726m	-	421.3m
7	2	8M	89.3u	1.357m	-	660.8m
8	3	7M	65.2u	1.813m	1.837m	76.80m
9	2	19M	82.3u	1.838m	-	335.0m
10	2	13M	56.7u	1.116m	-	206.4m
11	1	7M	66.0u	-	-	635.2m
12	2	7M	55.2u	1.080m	-	775.0m
13	2	16M	50.0u	1.678m	-	278.2m
14	1	19M	74.7u	-	-	166.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
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	8M	95.6u	1.294m	-	759.8m
2	2	12M	61.3u	1.567m	-	859.5m
3	2	10M	87.9u	1.622m	-	631.0m
4	2	19M	77.5u	1.612m	-	31.12m
5	1	20M	63.3u	-	-	85.71m
6	2	6M	51.5u	1.726m	-	315.6m
7	2	16M	63.0u	1.522m	-	810.7m
8	2	6M	51.5u	1.782m	-	669.8m
9	2	10M	67.6u	1.204m	-	42.74m
10	2	7M	67.4u	1.640m	-	136.9m
11	1	12M	57.5u	-	-	406.1m
12	2	6M	83.6u	1.314m	-	698.8m
13	3	12M	70.8u	1.821m	1.444m	377.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_27
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	12M	72.2u	-	-	41.19m
2	1	18M	79.5u	-	-	226.3m
3	2	13M	57.6u	1.235m	-	172.9m
4	2	15M	92.8u	1.178m	-	514.6m
5	2	9M	53.7u	1.317m	-	409.4m
6	2	18M	90.6u	1.102m	-	198.9m
7	2	20M	91.4u	1.654m	-	257.3m
8	1	17M	73.5u	-	-	63.47m
9	3	16M	89.4u	1.125m	1.468m	208.9m
10	2	20M	77.9u	1.623m	-	248.4m
11	2	14M	71.6u	989.4u	-	344.4m
12	2	7M	94.4u	983.6u	-	101.4m
13	1	6M	82.2u	-	-	295.5m
14	2	7M	86.4u	1.744m	-	489.9m
15	3	14M	77.0u	1.432m	1.025m	581.1m
16	2	18M	73.8u	1.276m	-	559.1m
17	1	9M	80.1u	-	-	583.7m
18	2	14M	81.4u	1.550m	-	415.3m
19	2	17M	90.1u	1.703m	-	428.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_28
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	74.9u	-	-	404.3m
2	2	16M	79.6u	1.255m	-	661.6m
3	2	12M	76.3u	1.333m	-	349.8m
4	2	8M	50.7u	1.116m	-	270.5m
5	2	7M	95.3u	1.223m	-	264.8m
6	2	5M	64.3u	1.021m	-	398.4m
7	1	18M	69.1u	-	-	396.3m
8	1	14M	86.0u	-	-	752.9m
9	2	13M	65.8u	1.516m	-	423.4m
10	2	10M	61.1u	1.313m	-	638.7m
11	3	13M	86.8u	1.905m	1.602m	276.3m
12	2	11M	91.1u	1.745m	-	773.7m
13	2	16M	73.0u	1.674m	-	18.00m
14	2	10M	86.4u	1.373m	-	407.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_29
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	11M	89.6u	1.768m	-	542.2m
2	3	6M	88.9u	1.836m	1.161m	516.1m
3	2	12M	67.1u	1.714m	-	217.8m
4	1	14M	99.6u	-	-	85.22m
5	2	13M	81.0u	966.0u	-	387.9m
6	1	16M	56.2u	-	-	548.3m
7	2	20M	80.8u	1.654m	-	743.9m
8	2	9M	72.9u	1.119m	-	118.1m
9	3	7M	83.9u	1.716m	1.198m	12.05m
10	3	11M	59.5u	1.275m	1.092m	700.0m
11	3	10M	98.6u	1.569m	1.001m	67.70m
12	2	14M	68.5u	1.675m	-	377.3m
13	2	18M	69.1u	1.792m	-	718.5m
14	2	17M	55.7u	1.340m	-	417.7m
15	3	15M	76.2u	1.795m	1.026m	493.8m
16	1	20M	73.6u	-	-	12.07m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	62.2u	1.881m	-	453.6m
2	3	10M	83.9u	1.349m	1.625m	598.8m
3	2	5M	70.4u	1.260m	-	87.48m
4	2	12M	79.7u	1.850m	-	323.5m
5	1	12M	64.9u	-	-	379.5m
6	3	14M	60.7u	1.067m	1.655m	105.9m
7	1	18M	65.9u	-	-	274.2m
8	3	16M	53.2u	1.692m	1.728m	208.4m
9	2	9M	99.9u	1.747m	-	525.9m
10	3	15M	60.0u	1.301m	1.489m	647.9m
11	1	9M	73.2u	-	-	529.4m
12	2	20M	64.5u	991.5u	-	386.2m
13	2	15M	93.2u	968.8u	-	83.94m
14	3	14M	96.2u	1.624m	944.8u	271.2m
15	2	10M	53.6u	1.737m	-	610.4m
16	1	5M	98.8u	-	-	7.204m
17	2	12M	91.0u	1.382m	-	165.3m
18	2	18M	82.6u	1.310m	-	200.1m

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	5.613G	2	5.706G	3	5.654G	4	5.327G
5	5.550G	6	5.271G	7	5.723G	8	5.449G
9	5.693G	10	5.470G	11	5.718G	12	5.513G
13	5.680G	14	5.622G	15	5.352G	16	5.595G
17	5.614G	18	5.392G	19	5.420G	20	5.556G
21	5.350G	22	5.721G	23	5.432G	24	5.606G
25	5.695G	26	5.586G	27	5.264G	28	5.414G
29	5.707G	30	5.561G	31	5.709G	32	5.450G
33	5.566G	34	5.330G	35	5.610G	36	5.467G
37	5.318G	38	5.504G	39	5.391G	40	5.703G
41	5.329G	42	5.716G	43	5.516G	44	5.365G
45	5.440G	46	5.455G	47	5.356G	48	5.627G
49	5.618G	50	5.603G	51	5.254G	52	5.579G
53	5.529G	54	5.578G	55	5.568G	56	5.691G
57	5.353G	58	5.577G	59	5.589G	60	5.491G
61	5.571G	62	5.478G	63	5.499G	64	5.378G
65	5.294G	66	5.593G	67	5.647G	68	5.564G
69	5.283G	70	5.413G	71	5.476G	72	5.454G
73	5.341G	74	5.668G	75	5.460G	76	5.486G
77	5.386G	78	5.667G	79	5.437G	80	5.351G
81	5.711G	82	5.599G	83	5.676G	84	5.288G
85	5.503G	86	5.500G	87	5.682G	88	5.296G
89	5.604G	90	5.717G	91	5.672G	92	5.678G
93	5.340G	94	5.541G	95	5.265G	96	5.298G
97	5.272G	98	5.710G	99	5.690G	100	5.260G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.563G	2	5.642G	3	5.372G	4	5.572G
5	5.578G	6	5.418G	7	5.676G	8	5.483G
9	5.694G	10	5.662G	11	5.716G	12	5.592G
13	5.337G	14	5.712G	15	5.422G	16	5.636G
17	5.438G	18	5.287G	19	5.684G	20	5.272G
21	5.617G	22	5.432G	23	5.277G	24	5.439G
25	5.333G	26	5.350G	27	5.711G	28	5.344G
29	5.656G	30	5.560G	31	5.304G	32	5.370G
33	5.669G	34	5.331G	35	5.252G	36	5.251G
37	5.366G	38	5.323G	39	5.420G	40	5.490G
41	5.649G	42	5.362G	43	5.392G	44	5.608G
45	5.310G	46	5.434G	47	5.714G	48	5.283G
49	5.704G	50	5.404G	51	5.517G	52	5.499G
53	5.546G	54	5.261G	55	5.360G	56	5.280G
57	5.427G	58	5.666G	59	5.410G	60	5.458G
61	5.276G	62	5.335G	63	5.356G	64	5.385G
65	5.322G	66	5.470G	67	5.294G	68	5.543G
69	5.680G	70	5.329G	71	5.532G	72	5.720G
73	5.461G	74	5.553G	75	5.688G	76	5.481G
77	5.568G	78	5.576G	79	5.374G	80	5.256G
81	5.671G	82	5.491G	83	5.633G	84	5.564G
85	5.398G	86	5.500G	87	5.505G	88	5.567G
89	5.495G	90	5.393G	91	5.373G	92	5.632G
93	5.409G	94	5.522G	95	5.437G	96	5.502G
97	5.685G	98	5.612G	99	5.573G	100	5.519G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.633G	2	5.436G	3	5.528G	4	5.371G
5	5.547G	6	5.370G	7	5.305G	8	5.409G
9	5.524G	10	5.720G	11	5.438G	12	5.468G
13	5.396G	14	5.288G	15	5.485G	16	5.312G
17	5.542G	18	5.309G	19	5.483G	20	5.418G
21	5.625G	22	5.562G	23	5.689G	24	5.330G
25	5.286G	26	5.584G	27	5.626G	28	5.551G
29	5.527G	30	5.674G	31	5.476G	32	5.721G
33	5.363G	34	5.315G	35	5.630G	36	5.523G
37	5.502G	38	5.692G	39	5.669G	40	5.722G
41	5.647G	42	5.294G	43	5.403G	44	5.317G
45	5.718G	46	5.504G	47	5.583G	48	5.497G
49	5.482G	50	5.269G	51	5.552G	52	5.676G
53	5.629G	54	5.484G	55	5.577G	56	5.695G
57	5.636G	58	5.281G	59	5.591G	60	5.263G
61	5.437G	62	5.620G	63	5.627G	64	5.404G
65	5.549G	66	5.439G	67	5.491G	68	5.557G
69	5.559G	70	5.456G	71	5.291G	72	5.635G
73	5.462G	74	5.282G	75	5.460G	76	5.713G
77	5.554G	78	5.373G	79	5.470G	80	5.622G
81	5.379G	82	5.643G	83	5.298G	84	5.362G
85	5.357G	86	5.545G	87	5.488G	88	5.571G
89	5.708G	90	5.316G	91	5.345G	92	5.656G
93	5.386G	94	5.534G	95	5.638G	96	5.448G
97	5.613G	98	5.570G	99	5.479G	100	5.343G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.268G	2	5.551G	3	5.468G	4	5.702G
5	5.444G	6	5.347G	7	5.419G	8	5.251G
9	5.284G	10	5.568G	11	5.408G	12	5.650G
13	5.723G	14	5.583G	15	5.393G	16	5.286G
17	5.327G	18	5.374G	19	5.698G	20	5.319G
21	5.664G	22	5.657G	23	5.351G	24	5.545G
25	5.520G	26	5.472G	27	5.473G	28	5.526G
29	5.539G	30	5.360G	31	5.272G	32	5.445G
33	5.645G	34	5.690G	35	5.423G	36	5.476G
37	5.385G	38	5.591G	39	5.321G	40	5.598G
41	5.661G	42	5.658G	43	5.677G	44	5.603G
45	5.682G	46	5.724G	47	5.616G	48	5.415G
49	5.354G	50	5.517G	51	5.687G	52	5.421G
53	5.678G	54	5.565G	55	5.430G	56	5.273G
57	5.371G	58	5.521G	59	5.552G	60	5.530G
61	5.358G	62	5.356G	63	5.573G	64	5.704G
65	5.549G	66	5.505G	67	5.429G	68	5.427G
69	5.592G	70	5.501G	71	5.412G	72	5.602G
73	5.614G	74	5.366G	75	5.633G	76	5.394G
77	5.433G	78	5.292G	79	5.542G	80	5.559G
81	5.686G	82	5.629G	83	5.459G	84	5.313G
85	5.456G	86	5.619G	87	5.464G	88	5.524G
89	5.252G	90	5.471G	91	5.599G	92	5.326G
93	5.648G	94	5.441G	95	5.390G	96	5.504G
97	5.640G	98	5.403G	99	5.420G	100	5.376G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.489G	2	5.571G	3	5.393G	4	5.598G
5	5.650G	6	5.624G	7	5.654G	8	5.564G
9	5.287G	10	5.443G	11	5.353G	12	5.657G
13	5.366G	14	5.503G	15	5.554G	16	5.326G
17	5.424G	18	5.675G	19	5.269G	20	5.557G
21	5.337G	22	5.670G	23	5.553G	24	5.588G
25	5.599G	26	5.282G	27	5.415G	28	5.418G
29	5.567G	30	5.716G	31	5.298G	32	5.556G
33	5.317G	34	5.688G	35	5.509G	36	5.392G
37	5.608G	38	5.601G	39	5.647G	40	5.649G
41	5.270G	42	5.350G	43	5.345G	44	5.296G
45	5.671G	46	5.404G	47	5.505G	48	5.306G
49	5.607G	50	5.427G	51	5.718G	52	5.289G
53	5.634G	54	5.710G	55	5.702G	56	5.425G
57	5.495G	58	5.271G	59	5.529G	60	5.315G
61	5.661G	62	5.526G	63	5.321G	64	5.410G
65	5.257G	66	5.683G	67	5.706G	68	5.663G
69	5.250G	70	5.723G	71	5.396G	72	5.677G
73	5.515G	74	5.691G	75	5.399G	76	5.689G
77	5.376G	78	5.467G	79	5.347G	80	5.705G
81	5.678G	82	5.627G	83	5.466G	84	5.565G
85	5.385G	86	5.365G	87	5.439G	88	5.267G
89	5.377G	90	5.539G	91	5.534G	92	5.383G
93	5.508G	94	5.431G	95	5.323G	96	5.659G
97	5.400G	98	5.680G	99	5.316G	100	5.699G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.684G	2	5.562G	3	5.349G	4	5.568G
5	5.433G	6	5.483G	7	5.521G	8	5.698G
9	5.346G	10	5.593G	11	5.628G	12	5.496G
13	5.636G	14	5.274G	15	5.522G	16	5.535G
17	5.579G	18	5.656G	19	5.572G	20	5.527G
21	5.673G	22	5.466G	23	5.450G	24	5.439G
25	5.685G	26	5.582G	27	5.444G	28	5.595G
29	5.292G	30	5.588G	31	5.704G	32	5.367G
33	5.327G	34	5.361G	35	5.388G	36	5.351G
37	5.695G	38	5.536G	39	5.675G	40	5.259G
41	5.526G	42	5.348G	43	5.296G	44	5.710G
45	5.476G	46	5.342G	47	5.696G	48	5.264G
49	5.528G	50	5.322G	51	5.271G	52	5.326G
53	5.643G	54	5.523G	55	5.452G	56	5.479G
57	5.638G	58	5.332G	59	5.666G	60	5.255G
61	5.407G	62	5.268G	63	5.623G	64	5.546G
65	5.425G	66	5.716G	67	5.284G	68	5.482G
69	5.644G	70	5.532G	71	5.364G	72	5.340G
73	5.653G	74	5.290G	75	5.267G	76	5.508G
77	5.694G	78	5.298G	79	5.371G	80	5.329G
81	5.485G	82	5.273G	83	5.714G	84	5.378G
85	5.602G	86	5.446G	87	5.625G	88	5.470G
89	5.681G	90	5.417G	91	5.454G	92	5.343G
93	5.419G	94	5.293G	95	5.600G	96	5.301G
97	5.664G	98	5.448G	99	5.603G	100	5.570G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.350G	2	5.531G	3	5.452G	4	5.629G
5	5.547G	6	5.672G	7	5.347G	8	5.685G
9	5.352G	10	5.389G	11	5.645G	12	5.492G
13	5.349G	14	5.688G	15	5.592G	16	5.691G
17	5.463G	18	5.261G	19	5.721G	20	5.548G
21	5.647G	22	5.334G	23	5.654G	24	5.485G
25	5.429G	26	5.631G	27	5.602G	28	5.299G
29	5.320G	30	5.696G	31	5.279G	32	5.379G
33	5.566G	34	5.501G	35	5.301G	36	5.432G
37	5.259G	38	5.448G	39	5.367G	40	5.402G
41	5.393G	42	5.380G	43	5.692G	44	5.437G
45	5.579G	46	5.381G	47	5.538G	48	5.594G
49	5.505G	50	5.327G	51	5.436G	52	5.306G
53	5.462G	54	5.424G	55	5.440G	56	5.573G
57	5.292G	58	5.539G	59	5.523G	60	5.368G
61	5.589G	62	5.621G	63	5.534G	64	5.571G
65	5.423G	66	5.510G	67	5.598G	68	5.364G
69	5.575G	70	5.660G	71	5.332G	72	5.312G
73	5.618G	74	5.276G	75	5.716G	76	5.552G
77	5.677G	78	5.698G	79	5.490G	80	5.315G
81	5.530G	82	5.684G	83	5.619G	84	5.395G
85	5.519G	86	5.620G	87	5.690G	88	5.401G
89	5.374G	90	5.421G	91	5.326G	92	5.666G
93	5.469G	94	5.537G	95	5.722G	96	5.258G
97	5.319G	98	5.414G	99	5.693G	100	5.283G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.382G	2	5.400G	3	5.476G	4	5.697G
5	5.426G	6	5.680G	7	5.543G	8	5.442G
9	5.626G	10	5.619G	11	5.531G	12	5.319G
13	5.272G	14	5.395G	15	5.291G	16	5.277G
17	5.688G	18	5.270G	19	5.362G	20	5.467G
21	5.523G	22	5.497G	23	5.251G	24	5.407G
25	5.352G	26	5.384G	27	5.428G	28	5.342G
29	5.614G	30	5.710G	31	5.524G	32	5.654G
33	5.677G	34	5.683G	35	5.386G	36	5.616G
37	5.617G	38	5.292G	39	5.695G	40	5.475G
41	5.490G	42	5.454G	43	5.659G	44	5.335G
45	5.371G	46	5.538G	47	5.556G	48	5.557G
49	5.316G	50	5.466G	51	5.372G	52	5.611G
53	5.718G	54	5.436G	55	5.438G	56	5.510G
57	5.686G	58	5.645G	59	5.489G	60	5.553G
61	5.280G	62	5.491G	63	5.274G	64	5.674G
65	5.653G	66	5.551G	67	5.423G	68	5.349G
69	5.392G	70	5.722G	71	5.575G	72	5.624G
73	5.613G	74	5.383G	75	5.615G	76	5.471G
77	5.417G	78	5.281G	79	5.595G	80	5.573G
81	5.608G	82	5.419G	83	5.598G	84	5.664G
85	5.679G	86	5.641G	87	5.540G	88	5.637G
89	5.702G	90	5.343G	91	5.667G	92	5.253G
93	5.321G	94	5.364G	95	5.409G	96	5.561G
97	5.707G	98	5.508G	99	5.685G	100	5.356G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.683G	2	5.417G	3	5.307G	4	5.392G
5	5.422G	6	5.647G	7	5.375G	8	5.588G
9	5.490G	10	5.405G	11	5.693G	12	5.255G
13	5.548G	14	5.498G	15	5.411G	16	5.594G
17	5.512G	18	5.410G	19	5.497G	20	5.545G
21	5.408G	22	5.672G	23	5.273G	24	5.348G
25	5.274G	26	5.631G	27	5.370G	28	5.550G
29	5.319G	30	5.610G	31	5.556G	32	5.452G
33	5.252G	34	5.272G	35	5.403G	36	5.508G
37	5.396G	38	5.253G	39	5.335G	40	5.474G
41	5.618G	42	5.643G	43	5.531G	44	5.578G
45	5.680G	46	5.380G	47	5.543G	48	5.649G
49	5.343G	50	5.291G	51	5.518G	52	5.629G
53	5.390G	54	5.361G	55	5.554G	56	5.562G
57	5.551G	58	5.426G	59	5.663G	60	5.592G
61	5.645G	62	5.275G	63	5.367G	64	5.701G
65	5.524G	66	5.661G	67	5.402G	68	5.400G
69	5.314G	70	5.456G	71	5.723G	72	5.485G
73	5.595G	74	5.259G	75	5.590G	76	5.416G
77	5.635G	78	5.665G	79	5.372G	80	5.547G
81	5.526G	82	5.300G	83	5.366G	84	5.295G
85	5.414G	86	5.389G	87	5.353G	88	5.510G
89	5.601G	90	5.655G	91	5.386G	92	5.511G
93	5.322G	94	5.312G	95	5.646G	96	5.338G
97	5.462G	98	5.269G	99	5.329G	100	5.609G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.445G	2	5.619G	3	5.513G	4	5.311G
5	5.661G	6	5.300G	7	5.284G	8	5.397G
9	5.281G	10	5.688G	11	5.631G	12	5.600G
13	5.611G	14	5.273G	15	5.654G	16	5.254G
17	5.317G	18	5.546G	19	5.540G	20	5.346G
21	5.603G	22	5.260G	23	5.316G	24	5.429G
25	5.315G	26	5.374G	27	5.505G	28	5.413G
29	5.370G	30	5.499G	31	5.682G	32	5.575G
33	5.609G	34	5.361G	35	5.564G	36	5.329G
37	5.477G	38	5.706G	39	5.515G	40	5.402G
41	5.623G	42	5.425G	43	5.658G	44	5.722G
45	5.592G	46	5.492G	47	5.666G	48	5.428G
49	5.478G	50	5.694G	51	5.512G	52	5.695G
53	5.408G	54	5.297G	55	5.593G	56	5.601G
57	5.399G	58	5.373G	59	5.663G	60	5.387G
61	5.633G	62	5.681G	63	5.409G	64	5.488G
65	5.665G	66	5.347G	67	5.398G	68	5.255G
69	5.307G	70	5.251G	71	5.534G	72	5.518G
73	5.475G	74	5.375G	75	5.516G	76	5.504G
77	5.486G	78	5.350G	79	5.405G	80	5.404G
81	5.366G	82	5.509G	83	5.498G	84	5.723G
85	5.709G	86	5.582G	87	5.472G	88	5.353G
89	5.430G	90	5.365G	91	5.656G	92	5.466G
93	5.459G	94	5.354G	95	5.641G	96	5.628G
97	5.331G	98	5.614G	99	5.301G	100	5.630G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.377G	2	5.589G	3	5.454G	4	5.682G
5	5.313G	6	5.504G	7	5.306G	8	5.370G
9	5.615G	10	5.653G	11	5.384G	12	5.616G
13	5.716G	14	5.696G	15	5.297G	16	5.387G
17	5.348G	18	5.439G	19	5.453G	20	5.644G
21	5.724G	22	5.407G	23	5.328G	24	5.359G
25	5.483G	26	5.463G	27	5.719G	28	5.408G
29	5.674G	30	5.473G	31	5.344G	32	5.425G
33	5.274G	34	5.610G	35	5.540G	36	5.687G
37	5.636G	38	5.266G	39	5.352G	40	5.555G
41	5.464G	42	5.525G	43	5.501G	44	5.646G
45	5.312G	46	5.305G	47	5.595G	48	5.360G
49	5.413G	50	5.356G	51	5.434G	52	5.429G
53	5.336G	54	5.357G	55	5.366G	56	5.427G
57	5.622G	58	5.701G	59	5.523G	60	5.292G
61	5.275G	62	5.564G	63	5.341G	64	5.707G
65	5.685G	66	5.414G	67	5.332G	68	5.588G
69	5.308G	70	5.513G	71	5.524G	72	5.403G
73	5.681G	74	5.368G	75	5.606G	76	5.591G
77	5.449G	78	5.279G	79	5.503G	80	5.694G
81	5.271G	82	5.543G	83	5.367G	84	5.557G
85	5.435G	86	5.537G	87	5.349G	88	5.558G
89	5.605G	90	5.627G	91	5.389G	92	5.396G
93	5.437G	94	5.340G	95	5.268G	96	5.630G
97	5.562G	98	5.346G	99	5.679G	100	5.294G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.409G	2	5.659G	3	5.640G	4	5.723G
5	5.347G	6	5.268G	7	5.440G	8	5.252G
9	5.687G	10	5.593G	11	5.589G	12	5.647G
13	5.471G	14	5.259G	15	5.300G	16	5.610G
17	5.566G	18	5.628G	19	5.693G	20	5.335G
21	5.547G	22	5.536G	23	5.385G	24	5.702G
25	5.372G	26	5.443G	27	5.354G	28	5.630G
29	5.326G	30	5.600G	31	5.274G	32	5.336G
33	5.658G	34	5.289G	35	5.703G	36	5.533G
37	5.403G	38	5.405G	39	5.253G	40	5.307G
41	5.322G	42	5.363G	43	5.516G	44	5.303G
45	5.504G	46	5.550G	47	5.378G	48	5.271G
49	5.685G	50	5.500G	51	5.635G	52	5.487G
53	5.367G	54	5.529G	55	5.655G	56	5.652G
57	5.597G	58	5.477G	59	5.676G	60	5.355G
61	5.599G	62	5.263G	63	5.554G	64	5.588G
65	5.473G	66	5.365G	67	5.401G	68	5.284G
69	5.463G	70	5.520G	71	5.325G	72	5.491G
73	5.510G	74	5.422G	75	5.276G	76	5.357G
77	5.561G	78	5.373G	79	5.581G	80	5.701G
81	5.604G	82	5.369G	83	5.546G	84	5.279G
85	5.638G	86	5.553G	87	5.511G	88	5.261G
89	5.560G	90	5.472G	91	5.634G	92	5.514G
93	5.384G	94	5.698G	95	5.715G	96	5.302G
97	5.387G	98	5.380G	99	5.695G	100	5.304G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.263G	2	5.691G	3	5.687G	4	5.285G
5	5.456G	6	5.391G	7	5.645G	8	5.532G
9	5.674G	10	5.371G	11	5.423G	12	5.417G
13	5.594G	14	5.265G	15	5.576G	16	5.317G
17	5.528G	18	5.415G	19	5.370G	20	5.631G
21	5.384G	22	5.700G	23	5.497G	24	5.595G
25	5.563G	26	5.570G	27	5.678G	28	5.437G
29	5.604G	30	5.593G	31	5.641G	32	5.565G
33	5.686G	34	5.399G	35	5.251G	36	5.717G
37	5.713G	38	5.625G	39	5.677G	40	5.683G
41	5.644G	42	5.390G	43	5.703G	44	5.582G
45	5.692G	46	5.629G	47	5.519G	48	5.723G
49	5.407G	50	5.306G	51	5.568G	52	5.615G
53	5.254G	54	5.275G	55	5.642G	56	5.688G
57	5.425G	58	5.393G	59	5.296G	60	5.344G
61	5.499G	62	5.626G	63	5.442G	64	5.435G
65	5.540G	66	5.670G	67	5.273G	68	5.458G
69	5.287G	70	5.345G	71	5.277G	72	5.681G
73	5.481G	74	5.714G	75	5.327G	76	5.671G
77	5.529G	78	5.367G	79	5.313G	80	5.586G
81	5.342G	82	5.320G	83	5.680G	84	5.324G
85	5.580G	86	5.422G	87	5.392G	88	5.623G
89	5.319G	90	5.385G	91	5.500G	92	5.270G
93	5.475G	94	5.478G	95	5.618G	96	5.609G
97	5.482G	98	5.301G	99	5.619G	100	5.599G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.378G	2	5.719G	3	5.422G	4	5.329G
5	5.411G	6	5.318G	7	5.646G	8	5.349G
9	5.510G	10	5.714G	11	5.350G	12	5.504G
13	5.691G	14	5.320G	15	5.661G	16	5.484G
17	5.572G	18	5.718G	19	5.531G	20	5.618G
21	5.425G	22	5.538G	23	5.668G	24	5.657G
25	5.544G	26	5.311G	27	5.700G	28	5.452G
29	5.376G	30	5.279G	31	5.302G	32	5.722G
33	5.414G	34	5.590G	35	5.667G	36	5.342G
37	5.312G	38	5.356G	39	5.297G	40	5.662G
41	5.317G	42	5.535G	43	5.251G	44	5.285G
45	5.505G	46	5.332G	47	5.543G	48	5.560G
49	5.467G	50	5.257G	51	5.548G	52	5.582G
53	5.665G	54	5.591G	55	5.357G	56	5.420G
57	5.563G	58	5.717G	59	5.461G	60	5.627G
61	5.341G	62	5.707G	63	5.375G	64	5.589G
65	5.445G	66	5.474G	67	5.512G	68	5.568G
69	5.547G	70	5.486G	71	5.426G	72	5.259G
73	5.671G	74	5.576G	75	5.387G	76	5.579G
77	5.517G	78	5.310G	79	5.592G	80	5.653G
81	5.466G	82	5.565G	83	5.331G	84	5.476G
85	5.701G	86	5.692G	87	5.481G	88	5.479G
89	5.408G	90	5.604G	91	5.715G	92	5.344G
93	5.272G	94	5.608G	95	5.536G	96	5.281G
97	5.315G	98	5.480G	99	5.440G	100	5.261G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.277G	2	5.688G	3	5.400G	4	5.714G
5	5.676G	6	5.483G	7	5.388G	8	5.649G
9	5.420G	10	5.482G	11	5.338G	12	5.434G
13	5.530G	14	5.655G	15	5.419G	16	5.490G
17	5.498G	18	5.513G	19	5.451G	20	5.531G
21	5.553G	22	5.467G	23	5.666G	24	5.471G
25	5.389G	26	5.562G	27	5.441G	28	5.296G
29	5.518G	30	5.318G	31	5.559G	32	5.366G
33	5.605G	34	5.529G	35	5.453G	36	5.720G
37	5.352G	38	5.287G	39	5.542G	40	5.527G
41	5.297G	42	5.505G	43	5.288G	44	5.305G
45	5.546G	46	5.509G	47	5.545G	48	5.267G
49	5.431G	50	5.707G	51	5.256G	52	5.251G
53	5.394G	54	5.450G	55	5.706G	56	5.526G
57	5.396G	58	5.499G	59	5.360G	60	5.258G
61	5.681G	62	5.716G	63	5.624G	64	5.309G
65	5.426G	66	5.392G	67	5.709G	68	5.428G
69	5.383G	70	5.492G	71	5.415G	72	5.436G
73	5.590G	74	5.333G	75	5.596G	76	5.327G
77	5.425G	78	5.708G	79	5.473G	80	5.640G
81	5.386G	82	5.343G	83	5.644G	84	5.586G
85	5.340G	86	5.673G	87	5.661G	88	5.293G
89	5.461G	90	5.286G	91	5.573G	92	5.719G
93	5.495G	94	5.379G	95	5.347G	96	5.558G
97	5.430G	98	5.274G	99	5.654G	100	5.632G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.671G	2	5.633G	3	5.524G	4	5.398G
5	5.650G	6	5.400G	7	5.469G	8	5.358G
9	5.422G	10	5.408G	11	5.276G	12	5.348G
13	5.500G	14	5.556G	15	5.433G	16	5.286G
17	5.270G	18	5.304G	19	5.485G	20	5.355G
21	5.478G	22	5.323G	23	5.299G	24	5.715G
25	5.689G	26	5.722G	27	5.658G	28	5.481G
29	5.626G	30	5.473G	31	5.641G	32	5.437G
33	5.592G	34	5.266G	35	5.483G	36	5.413G
37	5.377G	38	5.518G	39	5.371G	40	5.566G
41	5.690G	42	5.334G	43	5.384G	44	5.684G
45	5.311G	46	5.307G	47	5.572G	48	5.612G
49	5.614G	50	5.378G	51	5.353G	52	5.609G
53	5.599G	54	5.697G	55	5.261G	56	5.388G
57	5.581G	58	5.463G	59	5.417G	60	5.636G
61	5.264G	62	5.458G	63	5.648G	64	5.616G
65	5.554G	66	5.296G	67	5.620G	68	5.409G
69	5.490G	70	5.325G	71	5.452G	72	5.460G
73	5.346G	74	5.465G	75	5.693G	76	5.293G
77	5.645G	78	5.349G	79	5.273G	80	5.590G
81	5.257G	82	5.617G	83	5.310G	84	5.579G
85	5.510G	86	5.529G	87	5.394G	88	5.586G
89	5.670G	90	5.484G	91	5.589G	92	5.657G
93	5.686G	94	5.428G	95	5.542G	96	5.688G
97	5.326G	98	5.515G	99	5.482G	100	5.521G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.401G	2	5.352G	3	5.339G	4	5.629G
5	5.687G	6	5.510G	7	5.348G	8	5.471G
9	5.674G	10	5.700G	11	5.261G	12	5.462G
13	5.595G	14	5.662G	15	5.574G	16	5.467G
17	5.581G	18	5.383G	19	5.500G	20	5.587G
21	5.689G	22	5.582G	23	5.255G	24	5.532G
25	5.368G	26	5.259G	27	5.442G	28	5.702G
29	5.393G	30	5.490G	31	5.611G	32	5.546G
33	5.615G	34	5.518G	35	5.274G	36	5.279G
37	5.431G	38	5.309G	39	5.356G	40	5.331G
41	5.451G	42	5.686G	43	5.543G	44	5.418G
45	5.667G	46	5.661G	47	5.616G	48	5.487G
49	5.669G	50	5.284G	51	5.627G	52	5.486G
53	5.630G	54	5.570G	55	5.521G	56	5.428G
57	5.400G	58	5.695G	59	5.515G	60	5.460G
61	5.396G	62	5.358G	63	5.604G	64	5.380G
65	5.406G	66	5.256G	67	5.265G	68	5.297G
69	5.290G	70	5.656G	71	5.561G	72	5.267G
73	5.628G	74	5.722G	75	5.642G	76	5.609G
77	5.484G	78	5.676G	79	5.566G	80	5.282G
81	5.386G	82	5.394G	83	5.586G	84	5.575G
85	5.336G	86	5.685G	87	5.552G	88	5.516G
89	5.461G	90	5.567G	91	5.457G	92	5.422G
93	5.449G	94	5.713G	95	5.302G	96	5.250G
97	5.433G	98	5.712G	99	5.533G	100	5.525G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.307G	2	5.375G	3	5.659G	4	5.612G
5	5.714G	6	5.352G	7	5.266G	8	5.422G
9	5.582G	10	5.451G	11	5.476G	12	5.526G
13	5.272G	14	5.318G	15	5.508G	16	5.444G
17	5.574G	18	5.688G	19	5.387G	20	5.623G
21	5.543G	22	5.655G	23	5.535G	24	5.614G
25	5.304G	26	5.717G	27	5.358G	28	5.486G
29	5.596G	30	5.561G	31	5.668G	32	5.584G
33	5.604G	34	5.650G	35	5.285G	36	5.557G
37	5.453G	38	5.588G	39	5.611G	40	5.590G
41	5.264G	42	5.329G	43	5.502G	44	5.309G
45	5.441G	46	5.617G	47	5.716G	48	5.511G
49	5.439G	50	5.618G	51	5.701G	52	5.711G
53	5.384G	54	5.305G	55	5.636G	56	5.672G
57	5.398G	58	5.527G	59	5.693G	60	5.401G
61	5.695G	62	5.721G	63	5.679G	64	5.303G
65	5.528G	66	5.338G	67	5.259G	68	5.621G
69	5.459G	70	5.483G	71	5.480G	72	5.660G
73	5.666G	74	5.603G	75	5.437G	76	5.426G
77	5.704G	78	5.411G	79	5.491G	80	5.548G
81	5.663G	82	5.442G	83	5.615G	84	5.405G
85	5.609G	86	5.316G	87	5.434G	88	5.428G
89	5.553G	90	5.302G	91	5.550G	92	5.475G
93	5.367G	94	5.620G	95	5.713G	96	5.652G
97	5.454G	98	5.637G	99	5.388G	100	5.514G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.616G	2	5.357G	3	5.643G	4	5.478G
5	5.465G	6	5.361G	7	5.348G	8	5.635G
9	5.530G	10	5.325G	11	5.439G	12	5.411G
13	5.709G	14	5.461G	15	5.505G	16	5.490G
17	5.481G	18	5.576G	19	5.395G	20	5.680G
21	5.573G	22	5.587G	23	5.420G	24	5.596G
25	5.370G	26	5.646G	27	5.288G	28	5.697G
29	5.379G	30	5.270G	31	5.297G	32	5.491G
33	5.497G	34	5.422G	35	5.304G	36	5.511G
37	5.455G	38	5.399G	39	5.702G	40	5.529G
41	5.677G	42	5.431G	43	5.720G	44	5.260G
45	5.396G	46	5.338G	47	5.665G	48	5.599G
49	5.369G	50	5.327G	51	5.696G	52	5.625G
53	5.627G	54	5.618G	55	5.326G	56	5.409G
57	5.495G	58	5.724G	59	5.407G	60	5.253G
61	5.562G	62	5.636G	63	5.716G	64	5.459G
65	5.460G	66	5.545G	67	5.693G	68	5.487G
69	5.541G	70	5.570G	71	5.282G	72	5.639G
73	5.510G	74	5.600G	75	5.707G	76	5.685G
77	5.320G	78	5.421G	79	5.548G	80	5.408G
81	5.463G	82	5.605G	83	5.389G	84	5.345G
85	5.533G	86	5.377G	87	5.516G	88	5.550G
89	5.598G	90	5.324G	91	5.623G	92	5.563G
93	5.316G	94	5.429G	95	5.359G	96	5.712G
97	5.584G	98	5.657G	99	5.518G	100	5.672G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.409G	2	5.399G	3	5.251G	4	5.393G
5	5.709G	6	5.685G	7	5.532G	8	5.495G
9	5.412G	10	5.720G	11	5.669G	12	5.698G
13	5.479G	14	5.677G	15	5.569G	16	5.596G
17	5.395G	18	5.651G	19	5.405G	20	5.376G
21	5.571G	22	5.613G	23	5.696G	24	5.356G
25	5.610G	26	5.667G	27	5.515G	28	5.487G
29	5.471G	30	5.351G	31	5.664G	32	5.327G
33	5.599G	34	5.692G	35	5.468G	36	5.501G
37	5.446G	38	5.308G	39	5.490G	40	5.303G
41	5.713G	42	5.322G	43	5.520G	44	5.317G
45	5.465G	46	5.580G	47	5.604G	48	5.460G
49	5.431G	50	5.470G	51	5.315G	52	5.319G
53	5.708G	54	5.342G	55	5.381G	56	5.316G
57	5.282G	58	5.250G	59	5.557G	60	5.697G
61	5.363G	62	5.589G	63	5.321G	64	5.598G
65	5.287G	66	5.331G	67	5.268G	68	5.408G
69	5.710G	70	5.660G	71	5.404G	72	5.646G
73	5.340G	74	5.297G	75	5.271G	76	5.432G
77	5.518G	78	5.406G	79	5.703G	80	5.592G
81	5.566G	82	5.353G	83	5.284G	84	5.445G
85	5.299G	86	5.424G	87	5.683G	88	5.369G
89	5.550G	90	5.444G	91	5.512G	92	5.307G
93	5.564G	94	5.540G	95	5.705G	96	5.509G
97	5.428G	98	5.633G	99	5.701G	100	5.653G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.561G	2	5.379G	3	5.660G	4	5.708G
5	5.620G	6	5.325G	7	5.698G	8	5.718G
9	5.677G	10	5.338G	11	5.604G	12	5.496G
13	5.645G	14	5.503G	15	5.650G	16	5.598G
17	5.274G	18	5.389G	19	5.300G	20	5.681G
21	5.315G	22	5.397G	23	5.308G	24	5.333G
25	5.538G	26	5.661G	27	5.250G	28	5.673G
29	5.323G	30	5.316G	31	5.724G	32	5.423G
33	5.366G	34	5.467G	35	5.297G	36	5.255G
37	5.425G	38	5.424G	39	5.549G	40	5.670G
41	5.540G	42	5.310G	43	5.669G	44	5.311G
45	5.259G	46	5.400G	47	5.644G	48	5.434G
49	5.281G	50	5.318G	51	5.510G	52	5.721G
53	5.280G	54	5.441G	55	5.639G	56	5.369G
57	5.716G	58	5.448G	59	5.445G	60	5.329G
61	5.579G	62	5.543G	63	5.479G	64	5.282G
65	5.631G	66	5.691G	67	5.426G	68	5.420G
69	5.279G	70	5.676G	71	5.406G	72	5.443G
73	5.683G	74	5.271G	75	5.275G	76	5.596G
77	5.428G	78	5.570G	79	5.518G	80	5.269G
81	5.368G	82	5.583G	83	5.343G	84	5.294G
85	5.355G	86	5.576G	87	5.340G	88	5.312G
89	5.463G	90	5.695G	91	5.321G	92	5.554G
93	5.641G	94	5.521G	95	5.272G	96	5.658G
97	5.327G	98	5.663G	99	5.693G	100	5.410G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.431G	2	5.628G	3	5.688G	4	5.316G
5	5.447G	6	5.541G	7	5.665G	8	5.648G
9	5.386G	10	5.576G	11	5.638G	12	5.607G
13	5.543G	14	5.414G	15	5.697G	16	5.625G
17	5.685G	18	5.683G	19	5.364G	20	5.311G
21	5.550G	22	5.319G	23	5.672G	24	5.341G
25	5.575G	26	5.691G	27	5.358G	28	5.363G
29	5.634G	30	5.608G	31	5.553G	32	5.567G
33	5.379G	34	5.670G	35	5.409G	36	5.474G
37	5.714G	38	5.325G	39	5.256G	40	5.699G
41	5.534G	42	5.551G	43	5.707G	44	5.322G
45	5.255G	46	5.709G	47	5.288G	48	5.643G
49	5.724G	50	5.294G	51	5.627G	52	5.479G
53	5.492G	54	5.483G	55	5.387G	56	5.572G
57	5.504G	58	5.406G	59	5.523G	60	5.557G
61	5.533G	62	5.452G	63	5.270G	64	5.680G
65	5.451G	66	5.600G	67	5.649G	68	5.300G
69	5.434G	70	5.373G	71	5.632G	72	5.655G
73	5.262G	74	5.382G	75	5.257G	76	5.264G
77	5.509G	78	5.502G	79	5.599G	80	5.720G
81	5.306G	82	5.391G	83	5.263G	84	5.677G
85	5.251G	86	5.445G	87	5.589G	88	5.711G
89	5.328G	90	5.259G	91	5.359G	92	5.433G
93	5.588G	94	5.417G	95	5.579G	96	5.478G
97	5.429G	98	5.293G	99	5.381G	100	5.536G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.367G	2	5.490G	3	5.326G	4	5.454G
5	5.470G	6	5.605G	7	5.270G	8	5.366G
9	5.478G	10	5.424G	11	5.622G	12	5.661G
13	5.432G	14	5.274G	15	5.410G	16	5.328G
17	5.419G	18	5.380G	19	5.597G	20	5.505G
21	5.720G	22	5.452G	23	5.333G	24	5.412G
25	5.488G	26	5.435G	27	5.422G	28	5.322G
29	5.344G	30	5.458G	31	5.281G	32	5.587G
33	5.698G	34	5.382G	35	5.715G	36	5.364G
37	5.372G	38	5.266G	39	5.628G	40	5.306G
41	5.411G	42	5.416G	43	5.378G	44	5.312G
45	5.475G	46	5.285G	47	5.420G	48	5.658G
49	5.425G	50	5.579G	51	5.496G	52	5.295G
53	5.629G	54	5.304G	55	5.559G	56	5.547G
57	5.721G	58	5.684G	59	5.273G	60	5.631G
61	5.623G	62	5.668G	63	5.671G	64	5.486G
65	5.608G	66	5.278G	67	5.705G	68	5.603G
69	5.719G	70	5.716G	71	5.482G	72	5.508G
73	5.392G	74	5.647G	75	5.299G	76	5.405G
77	5.305G	78	5.465G	79	5.469G	80	5.283G
81	5.307G	82	5.619G	83	5.642G	84	5.434G
85	5.355G	86	5.724G	87	5.401G	88	5.492G
89	5.612G	90	5.560G	91	5.691G	92	5.646G
93	5.390G	94	5.568G	95	5.665G	96	5.526G
97	5.580G	98	5.403G	99	5.388G	100	5.672G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.662G	2	5.251G	3	5.326G	4	5.553G
5	5.390G	6	5.330G	7	5.268G	8	5.276G
9	5.578G	10	5.478G	11	5.502G	12	5.676G
13	5.392G	14	5.512G	15	5.630G	16	5.504G
17	5.672G	18	5.300G	19	5.708G	20	5.408G
21	5.461G	22	5.404G	23	5.690G	24	5.613G
25	5.637G	26	5.668G	27	5.370G	28	5.548G
29	5.312G	30	5.515G	31	5.545G	32	5.476G
33	5.434G	34	5.620G	35	5.660G	36	5.260G
37	5.341G	38	5.724G	39	5.550G	40	5.458G
41	5.661G	42	5.599G	43	5.291G	44	5.366G
45	5.509G	46	5.259G	47	5.654G	48	5.510G
49	5.468G	50	5.329G	51	5.499G	52	5.573G
53	5.415G	54	5.555G	55	5.393G	56	5.368G
57	5.317G	58	5.635G	59	5.693G	60	5.656G
61	5.597G	62	5.365G	63	5.367G	64	5.373G
65	5.564G	66	5.384G	67	5.671G	68	5.360G
69	5.624G	70	5.282G	71	5.531G	72	5.486G
73	5.700G	74	5.394G	75	5.425G	76	5.526G
77	5.398G	78	5.568G	79	5.665G	80	5.484G
81	5.639G	82	5.698G	83	5.442G	84	5.417G
85	5.692G	86	5.351G	87	5.389G	88	5.420G
89	5.483G	90	5.556G	91	5.465G	92	5.347G
93	5.380G	94	5.657G	95	5.628G	96	5.594G
97	5.395G	98	5.588G	99	5.621G	100	5.325G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.340G	2	5.299G	3	5.617G	4	5.345G
5	5.713G	6	5.480G	7	5.618G	8	5.390G
9	5.542G	10	5.380G	11	5.523G	12	5.501G
13	5.486G	14	5.546G	15	5.401G	16	5.376G
17	5.263G	18	5.423G	19	5.250G	20	5.361G
21	5.407G	22	5.391G	23	5.621G	24	5.569G
25	5.287G	26	5.516G	27	5.489G	28	5.259G
29	5.403G	30	5.658G	31	5.696G	32	5.308G
33	5.282G	34	5.561G	35	5.723G	36	5.398G
37	5.634G	38	5.609G	39	5.445G	40	5.541G
41	5.623G	42	5.385G	43	5.657G	44	5.565G
45	5.319G	46	5.644G	47	5.335G	48	5.573G
49	5.373G	50	5.479G	51	5.669G	52	5.383G
53	5.386G	54	5.381G	55	5.422G	56	5.717G
57	5.613G	58	5.412G	59	5.615G	60	5.302G
61	5.286G	62	5.701G	63	5.318G	64	5.370G
65	5.645G	66	5.418G	67	5.273G	68	5.537G
69	5.699G	70	5.311G	71	5.692G	72	5.642G
73	5.387G	74	5.664G	75	5.592G	76	5.271G
77	5.588G	78	5.695G	79	5.284G	80	5.395G
81	5.677G	82	5.702G	83	5.712G	84	5.678G
85	5.643G	86	5.444G	87	5.539G	88	5.574G
89	5.439G	90	5.363G	91	5.332G	92	5.288G
93	5.647G	94	5.492G	95	5.651G	96	5.630G
97	5.586G	98	5.628G	99	5.359G	100	5.416G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.288G	2	5.425G	3	5.343G	4	5.616G
5	5.300G	6	5.641G	7	5.645G	8	5.676G
9	5.413G	10	5.412G	11	5.568G	12	5.632G
13	5.347G	14	5.451G	15	5.549G	16	5.484G
17	5.521G	18	5.717G	19	5.658G	20	5.691G
21	5.265G	22	5.604G	23	5.518G	24	5.318G
25	5.563G	26	5.478G	27	5.388G	28	5.452G
29	5.663G	30	5.690G	31	5.626G	32	5.256G
33	5.485G	34	5.468G	35	5.716G	36	5.293G
37	5.267G	38	5.722G	39	5.527G	40	5.341G
41	5.620G	42	5.697G	43	5.489G	44	5.557G
45	5.607G	46	5.423G	47	5.399G	48	5.580G
49	5.353G	50	5.680G	51	5.714G	52	5.487G
53	5.251G	54	5.491G	55	5.644G	56	5.578G
57	5.342G	58	5.652G	59	5.560G	60	5.622G
61	5.476G	62	5.634G	63	5.661G	64	5.637G
65	5.545G	66	5.421G	67	5.277G	68	5.389G
69	5.314G	70	5.682G	71	5.386G	72	5.286G
73	5.586G	74	5.287G	75	5.316G	76	5.657G
77	5.542G	78	5.282G	79	5.594G	80	5.606G
81	5.540G	82	5.552G	83	5.280G	84	5.350G
85	5.505G	86	5.330G	87	5.623G	88	5.400G
89	5.408G	90	5.684G	91	5.597G	92	5.254G
93	5.638G	94	5.569G	95	5.467G	96	5.270G
97	5.378G	98	5.504G	99	5.259G	100	5.367G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.367G	2	5.338G	3	5.446G	4	5.376G
5	5.467G	6	5.258G	7	5.547G	8	5.466G
9	5.622G	10	5.632G	11	5.706G	12	5.358G
13	5.349G	14	5.512G	15	5.395G	16	5.670G
17	5.356G	18	5.599G	19	5.699G	20	5.452G
21	5.317G	22	5.254G	23	5.654G	24	5.500G
25	5.368G	26	5.549G	27	5.261G	28	5.377G
29	5.307G	30	5.635G	31	5.564G	32	5.667G
33	5.415G	34	5.384G	35	5.661G	36	5.655G
37	5.521G	38	5.673G	39	5.259G	40	5.522G
41	5.511G	42	5.668G	43	5.422G	44	5.364G
45	5.559G	46	5.692G	47	5.631G	48	5.281G
49	5.476G	50	5.390G	51	5.250G	52	5.429G
53	5.639G	54	5.371G	55	5.272G	56	5.650G
57	5.413G	58	5.722G	59	5.497G	60	5.343G
61	5.392G	62	5.320G	63	5.486G	64	5.425G
65	5.388G	66	5.644G	67	5.457G	68	5.691G
69	5.420G	70	5.531G	71	5.686G	72	5.344G
73	5.372G	74	5.721G	75	5.436G	76	5.695G
77	5.504G	78	5.386G	79	5.404G	80	5.438G
81	5.523G	82	5.581G	83	5.535G	84	5.554G
85	5.474G	86	5.432G	87	5.310G	88	5.433G
89	5.461G	90	5.685G	91	5.268G	92	5.553G
93	5.614G	94	5.490G	95	5.709G	96	5.541G
97	5.469G	98	5.369G	99	5.544G	100	5.378G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.306G	2	5.332G	3	5.657G	4	5.517G
5	5.452G	6	5.459G	7	5.500G	8	5.525G
9	5.435G	10	5.404G	11	5.425G	12	5.633G
13	5.617G	14	5.271G	15	5.631G	16	5.465G
17	5.667G	18	5.665G	19	5.659G	20	5.672G
21	5.577G	22	5.255G	23	5.347G	24	5.310G
25	5.721G	26	5.610G	27	5.616G	28	5.330G
29	5.645G	30	5.395G	31	5.662G	32	5.488G
33	5.386G	34	5.462G	35	5.397G	36	5.498G
37	5.327G	38	5.723G	39	5.646G	40	5.604G
41	5.367G	42	5.703G	43	5.362G	44	5.315G
45	5.581G	46	5.251G	47	5.615G	48	5.384G
49	5.597G	50	5.458G	51	5.568G	52	5.371G
53	5.353G	54	5.273G	55	5.527G	56	5.553G
57	5.461G	58	5.476G	59	5.536G	60	5.562G
61	5.641G	62	5.709G	63	5.313G	64	5.398G
65	5.606G	66	5.484G	67	5.607G	68	5.666G
69	5.489G	70	5.518G	71	5.479G	72	5.282G
73	5.578G	74	5.474G	75	5.689G	76	5.281G
77	5.477G	78	5.638G	79	5.279G	80	5.352G
81	5.566G	82	5.365G	83	5.317G	84	5.583G
85	5.475G	86	5.356G	87	5.682G	88	5.719G
89	5.592G	90	5.314G	91	5.590G	92	5.601G
93	5.572G	94	5.334G	95	5.690G	96	5.402G
97	5.585G	98	5.325G	99	5.374G	100	5.311G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.680G	2	5.297G	3	5.388G	4	5.370G
5	5.609G	6	5.686G	7	5.606G	8	5.710G
9	5.589G	10	5.354G	11	5.430G	12	5.471G
13	5.423G	14	5.684G	15	5.288G	16	5.429G
17	5.333G	18	5.623G	19	5.668G	20	5.302G
21	5.419G	22	5.539G	23	5.536G	24	5.284G
25	5.446G	26	5.292G	27	5.564G	28	5.528G
29	5.410G	30	5.708G	31	5.602G	32	5.322G
33	5.295G	34	5.515G	35	5.332G	36	5.622G
37	5.693G	38	5.632G	39	5.489G	40	5.517G
41	5.435G	42	5.385G	43	5.611G	44	5.455G
45	5.462G	46	5.519G	47	5.521G	48	5.301G
49	5.542G	50	5.613G	51	5.683G	52	5.316G
53	5.707G	54	5.360G	55	5.579G	56	5.553G
57	5.397G	58	5.526G	59	5.699G	60	5.503G
61	5.590G	62	5.498G	63	5.518G	64	5.453G
65	5.372G	66	5.488G	67	5.577G	68	5.639G
69	5.492G	70	5.456G	71	5.641G	72	5.464G
73	5.484G	74	5.425G	75	5.353G	76	5.580G
77	5.556G	78	5.607G	79	5.478G	80	5.285G
81	5.296G	82	5.324G	83	5.688G	84	5.251G
85	5.585G	86	5.365G	87	5.624G	88	5.373G
89	5.549G	90	5.627G	91	5.618G	92	5.268G
93	5.311G	94	5.261G	95	5.347G	96	5.374G
97	5.718G	98	5.390G	99	5.593G	100	5.568G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.676G	2	5.721G	3	5.433G	4	5.443G
5	5.566G	6	5.652G	7	5.333G	8	5.632G
9	5.442G	10	5.716G	11	5.378G	12	5.402G
13	5.268G	14	5.412G	15	5.488G	16	5.357G
17	5.376G	18	5.671G	19	5.590G	20	5.451G
21	5.423G	22	5.579G	23	5.536G	24	5.343G
25	5.396G	26	5.471G	27	5.369G	28	5.510G
29	5.429G	30	5.265G	31	5.476G	32	5.305G
33	5.570G	34	5.622G	35	5.613G	36	5.342G
37	5.656G	38	5.289G	39	5.608G	40	5.478G
41	5.362G	42	5.281G	43	5.441G	44	5.385G
45	5.477G	46	5.406G	47	5.468G	48	5.337G
49	5.401G	50	5.489G	51	5.452G	52	5.698G
53	5.646G	54	5.285G	55	5.616G	56	5.509G
57	5.325G	58	5.533G	59	5.467G	60	5.623G
61	5.561G	62	5.542G	63	5.288G	64	5.261G
65	5.525G	66	5.589G	67	5.445G	68	5.347G
69	5.706G	70	5.302G	71	5.395G	72	5.463G
73	5.480G	74	5.607G	75	5.449G	76	5.501G
77	5.662G	78	5.373G	79	5.311G	80	5.368G
81	5.331G	82	5.312G	83	5.593G	84	5.581G
85	5.603G	86	5.262G	87	5.367G	88	5.538G
89	5.577G	90	5.711G	91	5.473G	92	5.365G
93	5.531G	94	5.684G	95	5.420G	96	5.576G
97	5.686G	98	5.407G	99	5.535G	100	5.252G

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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.397G	2	5.615G	3	5.271G	4	5.317G
5	5.272G	6	5.659G	7	5.421G	8	5.648G
9	5.628G	10	5.515G	11	5.372G	12	5.306G
13	5.565G	14	5.454G	15	5.331G	16	5.404G
17	5.303G	18	5.422G	19	5.562G	20	5.399G
21	5.302G	22	5.672G	23	5.570G	24	5.600G
25	5.395G	26	5.514G	27	5.703G	28	5.509G
29	5.639G	30	5.459G	31	5.441G	32	5.292G
33	5.588G	34	5.469G	35	5.655G	36	5.355G
37	5.643G	38	5.349G	39	5.301G	40	5.464G
41	5.341G	42	5.705G	43	5.398G	44	5.254G
45	5.547G	46	5.340G	47	5.690G	48	5.511G
49	5.425G	50	5.607G	51	5.256G	52	5.516G
53	5.482G	54	5.293G	55	5.568G	56	5.573G
57	5.617G	58	5.608G	59	5.563G	60	5.564G
61	5.263G	62	5.283G	63	5.675G	64	5.720G
65	5.432G	66	5.253G	67	5.508G	68	5.251G
69	5.443G	70	5.709G	71	5.518G	72	5.718G
73	5.414G	74	5.580G	75	5.466G	76	5.410G
77	5.681G	78	5.544G	79	5.373G	80	5.618G
81	5.567G	82	5.549G	83	5.513G	84	5.329G
85	5.601G	86	5.295G	87	5.354G	88	5.592G
89	5.546G	90	5.644G	91	5.326G	92	5.519G
93	5.402G	94	5.701G	95	5.376G	96	5.377G
97	5.279G	98	5.361G	99	5.491G	100	5.255G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.468G	2	5.398G	3	5.499G	4	5.548G
5	5.386G	6	5.397G	7	5.389G	8	5.272G
9	5.455G	10	5.388G	11	5.473G	12	5.288G
13	5.654G	14	5.589G	15	5.532G	16	5.442G
17	5.686G	18	5.661G	19	5.694G	20	5.337G
21	5.565G	22	5.645G	23	5.710G	24	5.528G
25	5.425G	26	5.289G	27	5.495G	28	5.304G
29	5.405G	30	5.562G	31	5.328G	32	5.421G
33	5.415G	34	5.273G	35	5.475G	36	5.579G
37	5.459G	38	5.420G	39	5.590G	40	5.341G
41	5.489G	42	5.650G	43	5.503G	44	5.567G
45	5.517G	46	5.441G	47	5.672G	48	5.619G
49	5.626G	50	5.381G	51	5.536G	52	5.490G
53	5.461G	54	5.622G	55	5.561G	56	5.628G
57	5.511G	58	5.587G	59	5.698G	60	5.451G
61	5.585G	62	5.399G	63	5.361G	64	5.554G
65	5.668G	66	5.258G	67	5.712G	68	5.700G
69	5.703G	70	5.299G	71	5.314G	72	5.406G
73	5.352G	74	5.333G	75	5.637G	76	5.346G
77	5.648G	78	5.721G	79	5.514G	80	5.634G
81	5.350G	82	5.642G	83	5.604G	84	5.513G
85	5.715G	86	5.625G	87	5.401G	88	5.383G
89	5.553G	90	5.385G	91	5.560G	92	5.546G
93	5.327G	94	5.678G	95	5.439G	96	5.518G
97	5.573G	98	5.437G	99	5.507G	100	5.695G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.310G	2	5.293G	3	5.423G	4	5.685G
5	5.332G	6	5.285G	7	5.278G	8	5.396G
9	5.435G	10	5.269G	11	5.706G	12	5.392G
13	5.368G	14	5.428G	15	5.694G	16	5.415G
17	5.455G	18	5.613G	19	5.678G	20	5.511G
21	5.566G	22	5.667G	23	5.321G	24	5.450G
25	5.541G	26	5.437G	27	5.703G	28	5.284G
29	5.457G	30	5.665G	31	5.414G	32	5.271G
33	5.379G	34	5.264G	35	5.461G	36	5.698G
37	5.319G	38	5.714G	39	5.322G	40	5.274G
41	5.496G	42	5.327G	43	5.547G	44	5.436G
45	5.259G	46	5.323G	47	5.394G	48	5.266G
49	5.503G	50	5.531G	51	5.380G	52	5.707G
53	5.650G	54	5.345G	55	5.363G	56	5.651G
57	5.254G	58	5.718G	59	5.258G	60	5.373G
61	5.518G	62	5.453G	63	5.279G	64	5.582G
65	5.429G	66	5.711G	67	5.671G	68	5.606G
69	5.622G	70	5.639G	71	5.292G	72	5.689G
73	5.408G	74	5.580G	75	5.298G	76	5.705G
77	5.469G	78	5.353G	79	5.432G	80	5.599G
81	5.452G	82	5.520G	83	5.463G	84	5.320G
85	5.659G	86	5.627G	87	5.594G	88	5.256G
89	5.563G	90	5.704G	91	5.562G	92	5.340G
93	5.585G	94	5.506G	95	5.618G	96	5.328G
97	5.576G	98	5.364G	99	5.534G	100	5.616G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.435G	2	5.386G	3	5.385G	4	5.699G
5	5.313G	6	5.265G	7	5.500G	8	5.506G
9	5.362G	10	5.309G	11	5.476G	12	5.324G
13	5.331G	14	5.457G	15	5.405G	16	5.418G
17	5.384G	18	5.721G	19	5.628G	20	5.283G
21	5.585G	22	5.717G	23	5.290G	24	5.314G
25	5.253G	26	5.677G	27	5.661G	28	5.627G
29	5.646G	30	5.685G	31	5.651G	32	5.449G
33	5.392G	34	5.719G	35	5.308G	36	5.434G
37	5.580G	38	5.670G	39	5.511G	40	5.414G
41	5.574G	42	5.260G	43	5.315G	44	5.708G
45	5.709G	46	5.559G	47	5.561G	48	5.421G
49	5.565G	50	5.517G	51	5.540G	52	5.514G
53	5.676G	54	5.320G	55	5.348G	56	5.568G
57	5.293G	58	5.634G	59	5.349G	60	5.647G
61	5.297G	62	5.657G	63	5.678G	64	5.390G
65	5.560G	66	5.715G	67	5.613G	68	5.523G
69	5.317G	70	5.633G	71	5.673G	72	5.612G
73	5.542G	74	5.299G	75	5.686G	76	5.667G
77	5.618G	78	5.396G	79	5.496G	80	5.412G
81	5.411G	82	5.425G	83	5.599G	84	5.360G
85	5.321G	86	5.352G	87	5.252G	88	5.337G
89	5.403G	90	5.534G	91	5.558G	92	5.463G
93	5.707G	94	5.264G	95	5.343G	96	5.591G
97	5.664G	98	5.453G	99	5.619G	100	5.548G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.684G	2	5.568G	3	5.532G	4	5.645G
5	5.659G	6	5.694G	7	5.284G	8	5.468G
9	5.420G	10	5.511G	11	5.646G	12	5.629G
13	5.464G	14	5.319G	15	5.571G	16	5.632G
17	5.630G	18	5.328G	19	5.349G	20	5.473G
21	5.670G	22	5.429G	23	5.329G	24	5.250G
25	5.503G	26	5.597G	27	5.720G	28	5.321G
29	5.449G	30	5.286G	31	5.693G	32	5.501G
33	5.531G	34	5.366G	35	5.407G	36	5.432G
37	5.333G	38	5.438G	39	5.710G	40	5.507G
41	5.461G	42	5.309G	43	5.558G	44	5.658G
45	5.687G	46	5.277G	47	5.575G	48	5.253G
49	5.679G	50	5.375G	51	5.706G	52	5.282G
53	5.450G	54	5.373G	55	5.623G	56	5.549G
57	5.580G	58	5.500G	59	5.335G	60	5.540G
61	5.522G	62	5.634G	63	5.603G	64	5.337G
65	5.589G	66	5.265G	67	5.664G	68	5.346G
69	5.592G	70	5.430G	71	5.485G	72	5.667G
73	5.388G	74	5.513G	75	5.414G	76	5.371G
77	5.455G	78	5.290G	79	5.682G	80	5.588G
81	5.582G	82	5.656G	83	5.576G	84	5.343G
85	5.386G	86	5.342G	87	5.681G	88	5.600G
89	5.471G	90	5.436G	91	5.377G	92	5.315G
93	5.512G	94	5.323G	95	5.607G	96	5.411G
97	5.336G	98	5.251G	99	5.561G	100	5.585G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.330G	2	5.364G	3	5.337G	4	5.410G
5	5.589G	6	5.312G	7	5.290G	8	5.334G
9	5.678G	10	5.355G	11	5.605G	12	5.451G
13	5.428G	14	5.531G	15	5.500G	16	5.549G
17	5.309G	18	5.357G	19	5.679G	20	5.424G
21	5.541G	22	5.270G	23	5.372G	24	5.512G
25	5.344G	26	5.550G	27	5.572G	28	5.508G
29	5.446G	30	5.354G	31	5.594G	32	5.503G
33	5.489G	34	5.414G	35	5.260G	36	5.646G
37	5.345G	38	5.611G	39	5.563G	40	5.507G
41	5.437G	42	5.340G	43	5.469G	44	5.407G
45	5.358G	46	5.439G	47	5.375G	48	5.254G
49	5.583G	50	5.663G	51	5.253G	52	5.272G
53	5.327G	54	5.620G	55	5.696G	56	5.707G
57	5.518G	58	5.675G	59	5.664G	60	5.710G
61	5.712G	62	5.652G	63	5.615G	64	5.258G
65	5.640G	66	5.638G	67	5.399G	68	5.448G
69	5.520G	70	5.382G	71	5.614G	72	5.455G
73	5.452G	74	5.291G	75	5.536G	76	5.537G
77	5.643G	78	5.406G	79	5.301G	80	5.401G
81	5.281G	82	5.556G	83	5.378G	84	5.299G
85	5.689G	86	5.697G	87	5.377G	88	5.251G
89	5.609G	90	5.648G	91	5.700G	92	5.523G
93	5.708G	94	5.593G	95	5.445G	96	5.488G
97	5.388G	98	5.325G	99	5.347G	100	5.642G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.449G	2	5.556G	3	5.486G	4	5.258G
5	5.391G	6	5.471G	7	5.495G	8	5.400G
9	5.477G	10	5.539G	11	5.397G	12	5.666G
13	5.565G	14	5.625G	15	5.347G	16	5.287G
17	5.712G	18	5.325G	19	5.601G	20	5.435G
21	5.487G	22	5.462G	23	5.512G	24	5.388G
25	5.554G	26	5.403G	27	5.715G	28	5.422G
29	5.710G	30	5.357G	31	5.431G	32	5.472G
33	5.720G	34	5.611G	35	5.568G	36	5.270G
37	5.463G	38	5.515G	39	5.279G	40	5.721G
41	5.535G	42	5.551G	43	5.578G	44	5.294G
45	5.378G	46	5.478G	47	5.342G	48	5.522G
49	5.443G	50	5.559G	51	5.322G	52	5.269G
53	5.275G	54	5.685G	55	5.600G	56	5.379G
57	5.442G	58	5.713G	59	5.528G	60	5.492G
61	5.624G	62	5.262G	63	5.662G	64	5.448G
65	5.524G	66	5.640G	67	5.251G	68	5.544G
69	5.392G	70	5.516G	71	5.618G	72	5.368G
73	5.358G	74	5.298G	75	5.594G	76	5.315G
77	5.280G	78	5.608G	79	5.437G	80	5.614G
81	5.641G	82	5.413G	83	5.692G	84	5.277G
85	5.657G	86	5.312G	87	5.722G	88	5.384G
89	5.684G	90	5.474G	91	5.677G	92	5.440G
93	5.497G	94	5.274G	95	5.436G	96	5.652G
97	5.316G	98	5.561G	99	5.485G	100	5.532G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.270G	2	5.371G	3	5.679G	4	5.618G
5	5.449G	6	5.569G	7	5.450G	8	5.427G
9	5.409G	10	5.261G	11	5.367G	12	5.602G
13	5.305G	14	5.528G	15	5.621G	16	5.347G
17	5.681G	18	5.509G	19	5.614G	20	5.295G
21	5.570G	22	5.327G	23	5.588G	24	5.303G
25	5.519G	26	5.695G	27	5.658G	28	5.370G
29	5.537G	30	5.451G	31	5.423G	32	5.567G
33	5.632G	34	5.375G	35	5.354G	36	5.585G
37	5.531G	38	5.625G	39	5.388G	40	5.469G
41	5.256G	42	5.520G	43	5.271G	44	5.486G
45	5.613G	46	5.348G	47	5.250G	48	5.628G
49	5.462G	50	5.650G	51	5.578G	52	5.680G
53	5.503G	54	5.689G	55	5.647G	56	5.538G
57	5.265G	58	5.301G	59	5.642G	60	5.289G
61	5.595G	62	5.510G	63	5.455G	64	5.461G
65	5.438G	66	5.396G	67	5.317G	68	5.683G
69	5.273G	70	5.590G	71	5.508G	72	5.359G
73	5.392G	74	5.571G	75	5.326G	76	5.702G
77	5.341G	78	5.561G	79	5.720G	80	5.664G
81	5.313G	82	5.515G	83	5.518G	84	5.645G
85	5.707G	86	5.433G	87	5.502G	88	5.715G
89	5.670G	90	5.269G	91	5.655G	92	5.281G
93	5.584G	94	5.557G	95	5.534G	96	5.565G
97	5.651G	98	5.268G	99	5.294G	100	5.582G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.582G	2	5.269G	3	5.341G	4	5.261G
5	5.317G	6	5.402G	7	5.634G	8	5.380G
9	5.573G	10	5.392G	11	5.678G	12	5.566G
13	5.617G	14	5.496G	15	5.559G	16	5.265G
17	5.324G	18	5.510G	19	5.303G	20	5.641G
21	5.621G	22	5.413G	23	5.434G	24	5.686G
25	5.343G	26	5.627G	27	5.474G	28	5.387G
29	5.495G	30	5.482G	31	5.436G	32	5.677G
33	5.544G	34	5.521G	35	5.653G	36	5.704G
37	5.371G	38	5.585G	39	5.356G	40	5.684G
41	5.574G	42	5.645G	43	5.458G	44	5.516G
45	5.522G	46	5.262G	47	5.619G	48	5.347G
49	5.293G	50	5.252G	51	5.656G	52	5.597G
53	5.484G	54	5.523G	55	5.444G	56	5.508G
57	5.361G	58	5.649G	59	5.636G	60	5.679G
61	5.622G	62	5.498G	63	5.665G	64	5.533G
65	5.455G	66	5.504G	67	5.382G	68	5.507G
69	5.355G	70	5.717G	71	5.675G	72	5.437G
73	5.652G	74	5.577G	75	5.332G	76	5.415G
77	5.250G	78	5.543G	79	5.546G	80	5.480G
81	5.625G	82	5.419G	83	5.514G	84	5.256G
85	5.683G	86	5.453G	87	5.372G	88	5.710G
89	5.475G	90	5.700G	91	5.555G	92	5.593G
93	5.457G	94	5.568G	95	5.397G	96	5.655G
97	5.350G	98	5.554G	99	5.310G	100	5.545G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.611G	2	5.311G	3	5.305G	4	5.331G
5	5.616G	6	5.498G	7	5.604G	8	5.297G
9	5.349G	10	5.510G	11	5.390G	12	5.528G
13	5.578G	14	5.409G	15	5.466G	16	5.691G
17	5.345G	18	5.575G	19	5.652G	20	5.680G
21	5.350G	22	5.268G	23	5.410G	24	5.296G
25	5.290G	26	5.552G	27	5.414G	28	5.695G
29	5.348G	30	5.251G	31	5.333G	32	5.721G
33	5.524G	34	5.661G	35	5.307G	36	5.555G
37	5.467G	38	5.518G	39	5.419G	40	5.583G
41	5.431G	42	5.588G	43	5.620G	44	5.298G
45	5.706G	46	5.403G	47	5.538G	48	5.643G
49	5.317G	50	5.358G	51	5.586G	52	5.587G
53	5.323G	54	5.449G	55	5.579G	56	5.593G
57	5.637G	58	5.567G	59	5.447G	60	5.499G
61	5.407G	62	5.569G	63	5.272G	64	5.334G
65	5.294G	66	5.266G	67	5.479G	68	5.384G
69	5.324G	70	5.546G	71	5.715G	72	5.368G
73	5.536G	74	5.614G	75	5.511G	76	5.623G
77	5.312G	78	5.500G	79	5.598G	80	5.289G
81	5.343G	82	5.322G	83	5.681G	84	5.522G
85	5.328G	86	5.549G	87	5.668G	88	5.625G
89	5.421G	90	5.534G	91	5.354G	92	5.483G
93	5.686G	94	5.655G	95	5.480G	96	5.501G
97	5.379G	98	5.319G	99	5.411G	100	5.442G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.615G	2	5.286G	3	5.708G	4	5.473G
5	5.469G	6	5.416G	7	5.571G	8	5.256G
9	5.290G	10	5.384G	11	5.532G	12	5.344G
13	5.408G	14	5.431G	15	5.409G	16	5.354G
17	5.618G	18	5.677G	19	5.449G	20	5.503G
21	5.388G	22	5.369G	23	5.434G	24	5.474G
25	5.382G	26	5.703G	27	5.637G	28	5.353G
29	5.718G	30	5.375G	31	5.688G	32	5.627G
33	5.297G	34	5.324G	35	5.371G	36	5.451G
37	5.544G	38	5.649G	39	5.250G	40	5.260G
41	5.365G	42	5.301G	43	5.561G	44	5.518G
45	5.591G	46	5.374G	47	5.552G	48	5.295G
49	5.702G	50	5.529G	51	5.617G	52	5.674G
53	5.687G	54	5.621G	55	5.445G	56	5.356G
57	5.481G	58	5.505G	59	5.640G	60	5.636G
61	5.686G	62	5.406G	63	5.680G	64	5.557G
65	5.583G	66	5.257G	67	5.652G	68	5.471G
69	5.312G	70	5.277G	71	5.534G	72	5.525G
73	5.251G	74	5.655G	75	5.521G	76	5.381G
77	5.650G	78	5.570G	79	5.444G	80	5.490G
81	5.507G	82	5.634G	83	5.294G	84	5.675G
85	5.574G	86	5.437G	87	5.389G	88	5.319G
89	5.455G	90	5.643G	91	5.337G	92	5.717G
93	5.530G	94	5.280G	95	5.653G	96	5.310G
97	5.341G	98	5.447G	99	5.293G	100	5.284G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.314G	2	5.320G	3	5.274G	4	5.656G
5	5.533G	6	5.412G	7	5.421G	8	5.398G
9	5.424G	10	5.450G	11	5.278G	12	5.525G
13	5.419G	14	5.470G	15	5.560G	16	5.606G
17	5.593G	18	5.251G	19	5.406G	20	5.566G
21	5.290G	22	5.719G	23	5.449G	24	5.305G
25	5.490G	26	5.386G	27	5.721G	28	5.338G
29	5.441G	30	5.393G	31	5.304G	32	5.286G
33	5.485G	34	5.630G	35	5.414G	36	5.375G
37	5.250G	38	5.675G	39	5.704G	40	5.676G
41	5.332G	42	5.451G	43	5.285G	44	5.504G
45	5.437G	46	5.613G	47	5.673G	48	5.685G
49	5.615G	50	5.266G	51	5.415G	52	5.545G
53	5.436G	54	5.416G	55	5.553G	56	5.444G
57	5.358G	58	5.618G	59	5.723G	60	5.487G
61	5.599G	62	5.510G	63	5.374G	64	5.508G
65	5.396G	66	5.583G	67	5.625G	68	5.629G
69	5.262G	70	5.699G	71	5.486G	72	5.435G
73	5.384G	74	5.592G	75	5.622G	76	5.643G
77	5.263G	78	5.716G	79	5.576G	80	5.340G
81	5.294G	82	5.621G	83	5.404G	84	5.523G
85	5.713G	86	5.572G	87	5.555G	88	5.365G
89	5.684G	90	5.694G	91	5.346G	92	5.253G
93	5.279G	94	5.720G	95	5.512G	96	5.405G
97	5.501G	98	5.597G	99	5.310G	100	5.380G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.268G	2	5.310G	3	5.439G	4	5.315G
5	5.421G	6	5.683G	7	5.669G	8	5.293G
9	5.377G	10	5.711G	11	5.646G	12	5.443G
13	5.336G	14	5.508G	15	5.385G	16	5.606G
17	5.440G	18	5.676G	19	5.584G	20	5.678G
21	5.569G	22	5.577G	23	5.596G	24	5.717G
25	5.540G	26	5.658G	27	5.586G	28	5.416G
29	5.497G	30	5.433G	31	5.536G	32	5.579G
33	5.677G	34	5.614G	35	5.651G	36	5.308G
37	5.574G	38	5.597G	39	5.355G	40	5.537G
41	5.490G	42	5.393G	43	5.430G	44	5.601G
45	5.488G	46	5.698G	47	5.722G	48	5.306G
49	5.318G	50	5.499G	51	5.608G	52	5.686G
53	5.661G	54	5.371G	55	5.397G	56	5.436G
57	5.703G	58	5.609G	59	5.603G	60	5.518G
61	5.615G	62	5.277G	63	5.280G	64	5.381G
65	5.642G	66	5.562G	67	5.701G	68	5.693G
69	5.380G	70	5.590G	71	5.286G	72	5.466G
73	5.531G	74	5.684G	75	5.662G	76	5.620G
77	5.474G	78	5.666G	79	5.545G	80	5.253G
81	5.457G	82	5.389G	83	5.724G	84	5.621G
85	5.352G	86	5.509G	87	5.664G	88	5.314G
89	5.688G	90	5.551G	91	5.580G	92	5.445G
93	5.534G	94	5.414G	95	5.412G	96	5.624G
97	5.327G	98	5.453G	99	5.723G	100	5.548G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.283G	2	5.496G	3	5.314G	4	5.618G
5	5.644G	6	5.670G	7	5.412G	8	5.513G
9	5.312G	10	5.720G	11	5.546G	12	5.397G
13	5.328G	14	5.666G	15	5.503G	16	5.383G
17	5.378G	18	5.529G	19	5.501G	20	5.262G
21	5.345G	22	5.686G	23	5.573G	24	5.293G
25	5.492G	26	5.651G	27	5.377G	28	5.396G
29	5.532G	30	5.348G	31	5.624G	32	5.611G
33	5.717G	34	5.475G	35	5.300G	36	5.630G
37	5.707G	38	5.638G	39	5.695G	40	5.420G
41	5.654G	42	5.660G	43	5.290G	44	5.690G
45	5.259G	46	5.364G	47	5.724G	48	5.478G
49	5.360G	50	5.317G	51	5.304G	52	5.253G
53	5.372G	54	5.548G	55	5.588G	56	5.663G
57	5.572G	58	5.444G	59	5.617G	60	5.326G
61	5.522G	62	5.394G	63	5.659G	64	5.565G
65	5.461G	66	5.439G	67	5.587G	68	5.515G
69	5.650G	70	5.346G	71	5.560G	72	5.427G
73	5.544G	74	5.723G	75	5.358G	76	5.505G
77	5.561G	78	5.474G	79	5.619G	80	5.301G
81	5.694G	82	5.683G	83	5.510G	84	5.266G
85	5.541G	86	5.382G	87	5.437G	88	5.721G
89	5.716G	90	5.468G	91	5.681G	92	5.318G
93	5.278G	94	5.530G	95	5.498G	96	5.338G
97	5.436G	98	5.387G	99	5.700G	100	5.622G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.424G	2	5.261G	3	5.598G	4	5.323G
5	5.519G	6	5.314G	7	5.541G	8	5.467G
9	5.410G	10	5.701G	11	5.667G	12	5.537G
13	5.350G	14	5.312G	15	5.450G	16	5.366G
17	5.511G	18	5.568G	19	5.607G	20	5.433G
21	5.407G	22	5.554G	23	5.488G	24	5.651G
25	5.694G	26	5.577G	27	5.259G	28	5.420G
29	5.391G	30	5.333G	31	5.602G	32	5.271G
33	5.438G	34	5.290G	35	5.313G	36	5.615G
37	5.491G	38	5.531G	39	5.347G	40	5.469G
41	5.529G	42	5.499G	43	5.515G	44	5.553G
45	5.507G	46	5.677G	47	5.307G	48	5.284G
49	5.584G	50	5.328G	51	5.522G	52	5.713G
53	5.331G	54	5.288G	55	5.304G	56	5.426G
57	5.346G	58	5.455G	59	5.634G	60	5.685G
61	5.311G	62	5.627G	63	5.561G	64	5.305G
65	5.457G	66	5.613G	67	5.298G	68	5.444G
69	5.267G	70	5.327G	71	5.492G	72	5.661G
73	5.378G	74	5.422G	75	5.340G	76	5.644G
77	5.332G	78	5.559G	79	5.262G	80	5.409G
81	5.292G	82	5.579G	83	5.687G	84	5.573G
85	5.623G	86	5.724G	87	5.374G	88	5.633G
89	5.565G	90	5.318G	91	5.690G	92	5.576G
93	5.563G	94	5.581G	95	5.512G	96	5.481G
97	5.447G	98	5.681G	99	5.586G	100	5.279G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.486G	2	5.293G	3	5.458G	4	5.713G
5	5.588G	6	5.280G	7	5.721G	8	5.330G
9	5.271G	10	5.691G	11	5.655G	12	5.714G
13	5.538G	14	5.630G	15	5.267G	16	5.290G
17	5.536G	18	5.259G	19	5.301G	20	5.287G
21	5.401G	22	5.682G	23	5.429G	24	5.461G
25	5.333G	26	5.710G	27	5.261G	28	5.600G
29	5.464G	30	5.437G	31	5.470G	32	5.621G
33	5.551G	34	5.270G	35	5.561G	36	5.366G
37	5.584G	38	5.436G	39	5.677G	40	5.454G
41	5.278G	42	5.337G	43	5.542G	44	5.648G
45	5.484G	46	5.291G	47	5.674G	48	5.705G
49	5.310G	50	5.422G	51	5.718G	52	5.537G
53	5.426G	54	5.368G	55	5.334G	56	5.431G
57	5.693G	58	5.439G	59	5.678G	60	5.650G
61	5.374G	62	5.457G	63	5.302G	64	5.410G
65	5.675G	66	5.350G	67	5.606G	68	5.647G
69	5.663G	70	5.444G	71	5.534G	72	5.359G
73	5.607G	74	5.326G	75	5.447G	76	5.567G
77	5.620G	78	5.540G	79	5.328G	80	5.433G
81	5.381G	82	5.529G	83	5.463G	84	5.305G
85	5.342G	86	5.645G	87	5.583G	88	5.402G
89	5.541G	90	5.398G	91	5.554G	92	5.681G
93	5.569G	94	5.556G	95	5.389G	96	5.500G
97	5.256G	98	5.695G	99	5.662G	100	5.518G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.665G	2	5.332G	3	5.601G	4	5.468G
5	5.315G	6	5.455G	7	5.262G	8	5.595G
9	5.279G	10	5.608G	11	5.325G	12	5.674G
13	5.344G	14	5.253G	15	5.629G	16	5.618G
17	5.689G	18	5.701G	19	5.682G	20	5.708G
21	5.512G	22	5.705G	23	5.574G	24	5.440G
25	5.363G	26	5.611G	27	5.354G	28	5.269G
29	5.382G	30	5.388G	31	5.457G	32	5.378G
33	5.513G	34	5.409G	35	5.593G	36	5.703G
37	5.360G	38	5.592G	39	5.672G	40	5.483G
41	5.317G	42	5.558G	43	5.535G	44	5.306G
45	5.422G	46	5.568G	47	5.397G	48	5.270G
49	5.295G	50	5.446G	51	5.626G	52	5.704G
53	5.499G	54	5.623G	55	5.310G	56	5.460G
57	5.358G	58	5.613G	59	5.298G	60	5.609G
61	5.520G	62	5.679G	63	5.583G	64	5.523G
65	5.453G	66	5.505G	67	5.474G	68	5.556G
69	5.662G	70	5.640G	71	5.316G	72	5.365G
73	5.283G	74	5.596G	75	5.416G	76	5.484G
77	5.450G	78	5.591G	79	5.709G	80	5.519G
81	5.697G	82	5.594G	83	5.622G	84	5.299G
85	5.400G	86	5.707G	87	5.686G	88	5.673G
89	5.411G	90	5.639G	91	5.643G	92	5.439G
93	5.438G	94	5.302G	95	5.333G	96	5.550G
97	5.309G	98	5.282G	99	5.614G	100	5.265G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.378G	2	5.383G	3	5.326G	4	5.259G
5	5.479G	6	5.535G	7	5.413G	8	5.324G
9	5.255G	10	5.664G	11	5.687G	12	5.586G
13	5.359G	14	5.464G	15	5.545G	16	5.564G
17	5.397G	18	5.513G	19	5.611G	20	5.533G
21	5.462G	22	5.714G	23	5.365G	24	5.490G
25	5.325G	26	5.607G	27	5.614G	28	5.671G
29	5.344G	30	5.267G	31	5.396G	32	5.424G
33	5.275G	34	5.454G	35	5.594G	36	5.625G
37	5.254G	38	5.342G	39	5.574G	40	5.684G
41	5.431G	42	5.283G	43	5.381G	44	5.484G
45	5.394G	46	5.450G	47	5.570G	48	5.302G
49	5.497G	50	5.519G	51	5.409G	52	5.281G
53	5.288G	54	5.711G	55	5.423G	56	5.475G
57	5.351G	58	5.638G	59	5.328G	60	5.608G
61	5.436G	62	5.339G	63	5.297G	64	5.696G
65	5.629G	66	5.487G	67	5.596G	68	5.543G
69	5.709G	70	5.538G	71	5.640G	72	5.618G
73	5.261G	74	5.412G	75	5.416G	76	5.537G
77	5.530G	78	5.495G	79	5.432G	80	5.270G
81	5.276G	82	5.590G	83	5.650G	84	5.285G
85	5.472G	86	5.554G	87	5.313G	88	5.336G
89	5.370G	90	5.347G	91	5.452G	92	5.456G
93	5.391G	94	5.482G	95	5.645G	96	5.613G
97	5.719G	98	5.293G	99	5.556G	100	5.299G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.533G	2	5.382G	3	5.487G	4	5.504G
5	5.621G	6	5.570G	7	5.521G	8	5.389G
9	5.683G	10	5.328G	11	5.371G	12	5.341G
13	5.425G	14	5.701G	15	5.344G	16	5.258G
17	5.381G	18	5.338G	19	5.271G	20	5.672G
21	5.438G	22	5.651G	23	5.712G	24	5.655G
25	5.473G	26	5.704G	27	5.426G	28	5.545G
29	5.416G	30	5.441G	31	5.681G	32	5.260G
33	5.546G	34	5.409G	35	5.500G	36	5.458G
37	5.251G	38	5.379G	39	5.602G	40	5.449G
41	5.684G	42	5.509G	43	5.524G	44	5.600G
45	5.456G	46	5.273G	47	5.573G	48	5.293G
49	5.405G	50	5.642G	51	5.434G	52	5.330G
53	5.290G	54	5.295G	55	5.716G	56	5.316G
57	5.623G	58	5.542G	59	5.677G	60	5.520G
61	5.566G	62	5.652G	63	5.339G	64	5.364G
65	5.393G	66	5.296G	67	5.324G	68	5.552G
69	5.528G	70	5.275G	71	5.250G	72	5.453G
73	5.653G	74	5.356G	75	5.463G	76	5.563G
77	5.624G	78	5.669G	79	5.450G	80	5.523G
81	5.274G	82	5.272G	83	5.467G	84	5.540G
85	5.349G	86	5.616G	87	5.410G	88	5.446G
89	5.447G	90	5.588G	91	5.392G	92	5.263G
93	5.332G	94	5.608G	95	5.320G	96	5.407G
97	5.499G	98	5.568G	99	5.387G	100	5.459G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.589G	2	5.338G	3	5.675G	4	5.679G
5	5.281G	6	5.505G	7	5.566G	8	5.659G
9	5.552G	10	5.641G	11	5.264G	12	5.709G
13	5.512G	14	5.384G	15	5.269G	16	5.340G
17	5.314G	18	5.320G	19	5.378G	20	5.376G
21	5.266G	22	5.524G	23	5.481G	24	5.501G
25	5.507G	26	5.422G	27	5.310G	28	5.473G
29	5.350G	30	5.655G	31	5.396G	32	5.448G
33	5.471G	34	5.333G	35	5.686G	36	5.674G
37	5.516G	38	5.311G	39	5.446G	40	5.251G
41	5.630G	42	5.683G	43	5.434G	44	5.609G
45	5.624G	46	5.646G	47	5.706G	48	5.415G
49	5.721G	50	5.596G	51	5.329G	52	5.257G
53	5.556G	54	5.518G	55	5.627G	56	5.343G
57	5.716G	58	5.553G	59	5.600G	60	5.365G
61	5.451G	62	5.670G	63	5.521G	64	5.575G
65	5.475G	66	5.352G	67	5.331G	68	5.561G
69	5.722G	70	5.577G	71	5.502G	72	5.500G
73	5.463G	74	5.692G	75	5.270G	76	5.453G
77	5.614G	78	5.544G	79	5.633G	80	5.681G
81	5.360G	82	5.298G	83	5.440G	84	5.419G
85	5.604G	86	5.534G	87	5.359G	88	5.300G
89	5.680G	90	5.671G	91	5.582G	92	5.302G
93	5.615G	94	5.412G	95	5.695G	96	5.253G
97	5.708G	98	5.413G	99	5.443G	100	5.689G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.581G	2	5.628G	3	5.367G	4	5.342G
5	5.621G	6	5.465G	7	5.323G	8	5.259G
9	5.498G	10	5.459G	11	5.391G	12	5.523G
13	5.539G	14	5.689G	15	5.299G	16	5.630G
17	5.600G	18	5.555G	19	5.705G	20	5.451G
21	5.713G	22	5.608G	23	5.544G	24	5.374G
25	5.607G	26	5.541G	27	5.295G	28	5.343G
29	5.383G	30	5.265G	31	5.380G	32	5.593G
33	5.510G	34	5.685G	35	5.268G	36	5.578G
37	5.381G	38	5.261G	39	5.463G	40	5.252G
41	5.441G	42	5.352G	43	5.575G	44	5.372G
45	5.522G	46	5.446G	47	5.609G	48	5.266G
49	5.611G	50	5.304G	51	5.450G	52	5.400G
53	5.636G	54	5.435G	55	5.290G	56	5.436G
57	5.650G	58	5.646G	59	5.604G	60	5.589G
61	5.336G	62	5.703G	63	5.355G	64	5.531G
65	5.629G	66	5.547G	67	5.477G	68	5.470G
69	5.663G	70	5.432G	71	5.505G	72	5.572G
73	5.677G	74	5.405G	75	5.617G	76	5.273G
77	5.598G	78	5.456G	79	5.281G	80	5.538G
81	5.302G	82	5.722G	83	5.546G	84	5.566G
85	5.545G	86	5.495G	87	5.594G	88	5.536G
89	5.548G	90	5.697G	91	5.633G	92	5.519G
93	5.270G	94	5.583G	95	5.425G	96	5.291G
97	5.385G	98	5.254G	99	5.427G	100	5.709G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.272G	2	5.365G	3	5.377G	4	5.632G
5	5.381G	6	5.520G	7	5.656G	8	5.255G
9	5.341G	10	5.321G	11	5.549G	12	5.362G
13	5.507G	14	5.586G	15	5.267G	16	5.597G
17	5.348G	18	5.650G	19	5.310G	20	5.407G
21	5.711G	22	5.690G	23	5.618G	24	5.286G
25	5.724G	26	5.595G	27	5.596G	28	5.314G
29	5.325G	30	5.292G	31	5.251G	32	5.402G
33	5.682G	34	5.439G	35	5.382G	36	5.259G
37	5.583G	38	5.323G	39	5.308G	40	5.356G
41	5.478G	42	5.390G	43	5.702G	44	5.518G
45	5.592G	46	5.513G	47	5.701G	48	5.446G
49	5.367G	50	5.426G	51	5.489G	52	5.349G
53	5.463G	54	5.399G	55	5.720G	56	5.425G
57	5.336G	58	5.603G	59	5.625G	60	5.578G
61	5.721G	62	5.608G	63	5.544G	64	5.369G
65	5.614G	66	5.573G	67	5.303G	68	5.273G
69	5.505G	70	5.391G	71	5.514G	72	5.531G
73	5.584G	74	5.416G	75	5.361G	76	5.340G
77	5.393G	78	5.355G	79	5.274G	80	5.569G
81	5.360G	82	5.604G	83	5.532G	84	5.427G
85	5.673G	86	5.307G	87	5.431G	88	5.353G
89	5.320G	90	5.523G	91	5.609G	92	5.372G
93	5.413G	94	5.385G	95	5.403G	96	5.623G
97	5.443G	98	5.664G	99	5.389G	100	5.334G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.553G	2	5.614G	3	5.450G	4	5.676G
5	5.652G	6	5.317G	7	5.430G	8	5.290G
9	5.543G	10	5.677G	11	5.585G	12	5.466G
13	5.707G	14	5.324G	15	5.588G	16	5.549G
17	5.328G	18	5.403G	19	5.319G	20	5.338G
21	5.427G	22	5.270G	23	5.447G	24	5.327G
25	5.632G	26	5.258G	27	5.706G	28	5.513G
29	5.431G	30	5.464G	31	5.309G	32	5.678G
33	5.631G	34	5.697G	35	5.609G	36	5.562G
37	5.495G	38	5.669G	39	5.263G	40	5.454G
41	5.570G	42	5.620G	43	5.641G	44	5.428G
45	5.343G	46	5.535G	47	5.472G	48	5.299G
49	5.342G	50	5.439G	51	5.713G	52	5.504G
53	5.346G	54	5.280G	55	5.473G	56	5.264G
57	5.657G	58	5.372G	59	5.577G	60	5.722G
61	5.481G	62	5.498G	63	5.341G	64	5.295G
65	5.384G	66	5.610G	67	5.574G	68	5.335G
69	5.297G	70	5.294G	71	5.413G	72	5.282G
73	5.358G	74	5.666G	75	5.460G	76	5.336G
77	5.465G	78	5.277G	79	5.564G	80	5.520G
81	5.544G	82	5.505G	83	5.304G	84	5.483G
85	5.636G	86	5.318G	87	5.315G	88	5.625G
89	5.634G	90	5.503G	91	5.306G	92	5.488G
93	5.441G	94	5.425G	95	5.487G	96	5.600G
97	5.561G	98	5.467G	99	5.717G	100	5.334G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.323G	2	5.403G	3	5.664G	4	5.282G
5	5.337G	6	5.390G	7	5.445G	8	5.682G
9	5.361G	10	5.326G	11	5.668G	12	5.556G
13	5.271G	14	5.400G	15	5.261G	16	5.535G
17	5.265G	18	5.565G	19	5.292G	20	5.500G
21	5.349G	22	5.683G	23	5.310G	24	5.658G
25	5.482G	26	5.549G	27	5.288G	28	5.715G
29	5.605G	30	5.667G	31	5.270G	32	5.649G
33	5.623G	34	5.311G	35	5.469G	36	5.298G
37	5.442G	38	5.407G	39	5.303G	40	5.684G
41	5.724G	42	5.509G	43	5.332G	44	5.416G
45	5.294G	46	5.585G	47	5.518G	48	5.309G
49	5.625G	50	5.522G	51	5.422G	52	5.473G
53	5.697G	54	5.547G	55	5.702G	56	5.409G
57	5.640G	58	5.632G	59	5.427G	60	5.284G
61	5.437G	62	5.712G	63	5.317G	64	5.256G
65	5.285G	66	5.528G	67	5.653G	68	5.530G
69	5.607G	70	5.499G	71	5.610G	72	5.604G
73	5.290G	74	5.614G	75	5.315G	76	5.443G
77	5.608G	78	5.531G	79	5.490G	80	5.448G
81	5.431G	82	5.642G	83	5.637G	84	5.347G
85	5.567G	86	5.252G	87	5.495G	88	5.434G
89	5.570G	90	5.628G	91	5.333G	92	5.665G
93	5.463G	94	5.340G	95	5.709G	96	5.481G
97	5.436G	98	5.302G	99	5.631G	100	5.680G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.307G	2	5.721G	3	5.256G	4	5.679G
5	5.266G	6	5.574G	7	5.419G	8	5.414G
9	5.724G	10	5.255G	11	5.626G	12	5.496G
13	5.295G	14	5.318G	15	5.637G	16	5.478G
17	5.570G	18	5.561G	19	5.609G	20	5.456G
21	5.367G	22	5.630G	23	5.584G	24	5.689G
25	5.453G	26	5.314G	27	5.673G	28	5.413G
29	5.522G	30	5.618G	31	5.564G	32	5.322G
33	5.440G	34	5.665G	35	5.298G	36	5.531G
37	5.488G	38	5.339G	39	5.545G	40	5.378G
41	5.510G	42	5.331G	43	5.720G	44	5.395G
45	5.291G	46	5.505G	47	5.508G	48	5.695G
49	5.292G	50	5.563G	51	5.648G	52	5.650G
53	5.294G	54	5.393G	55	5.465G	56	5.397G
57	5.392G	58	5.476G	59	5.524G	60	5.283G
61	5.706G	62	5.681G	63	5.642G	64	5.579G
65	5.575G	66	5.660G	67	5.468G	68	5.257G
69	5.504G	70	5.654G	71	5.507G	72	5.372G
73	5.269G	74	5.482G	75	5.337G	76	5.454G
77	5.509G	78	5.332G	79	5.709G	80	5.422G
81	5.672G	82	5.701G	83	5.653G	84	5.572G
85	5.302G	86	5.345G	87	5.520G	88	5.671G
89	5.260G	90	5.580G	91	5.548G	92	5.446G
93	5.546G	94	5.481G	95	5.451G	96	5.306G
97	5.359G	98	5.480G	99	5.486G	100	5.284G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.393G	2	5.497G	3	5.664G	4	5.300G
5	5.619G	6	5.449G	7	5.447G	8	5.705G
9	5.718G	10	5.318G	11	5.593G	12	5.389G
13	5.671G	14	5.435G	15	5.450G	16	5.590G
17	5.264G	18	5.649G	19	5.610G	20	5.513G
21	5.356G	22	5.602G	23	5.665G	24	5.298G
25	5.352G	26	5.501G	27	5.408G	28	5.468G
29	5.309G	30	5.640G	31	5.349G	32	5.588G
33	5.323G	34	5.570G	35	5.354G	36	5.491G
37	5.454G	38	5.620G	39	5.524G	40	5.569G
41	5.511G	42	5.440G	43	5.270G	44	5.424G
45	5.357G	46	5.457G	47	5.686G	48	5.624G
49	5.605G	50	5.478G	51	5.502G	52	5.623G
53	5.688G	54	5.460G	55	5.325G	56	5.581G
57	5.592G	58	5.506G	59	5.636G	60	5.477G
61	5.269G	62	5.423G	63	5.523G	64	5.343G
65	5.701G	66	5.481G	67	5.383G	68	5.277G
69	5.334G	70	5.328G	71	5.466G	72	5.446G
73	5.587G	74	5.608G	75	5.629G	76	5.709G
77	5.410G	78	5.350G	79	5.586G	80	5.271G
81	5.572G	82	5.519G	83	5.374G	84	5.312G
85	5.616G	86	5.425G	87	5.719G	88	5.545G
89	5.637G	90	5.282G	91	5.385G	92	5.338G
93	5.464G	94	5.682G	95	5.258G	96	5.584G
97	5.641G	98	5.721G	99	5.304G	100	5.668G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.612G	2	5.604G	3	5.261G	4	5.457G
5	5.400G	6	5.504G	7	5.250G	8	5.364G
9	5.569G	10	5.411G	11	5.341G	12	5.356G
13	5.377G	14	5.273G	15	5.606G	16	5.532G
17	5.272G	18	5.583G	19	5.507G	20	5.705G
21	5.531G	22	5.691G	23	5.502G	24	5.496G
25	5.660G	26	5.363G	27	5.475G	28	5.266G
29	5.337G	30	5.303G	31	5.495G	32	5.325G
33	5.516G	34	5.709G	35	5.591G	36	5.471G
37	5.412G	38	5.538G	39	5.406G	40	5.558G
41	5.721G	42	5.359G	43	5.450G	44	5.334G
45	5.520G	46	5.331G	47	5.715G	48	5.381G
49	5.438G	50	5.595G	51	5.666G	52	5.338G
53	5.582G	54	5.423G	55	5.542G	56	5.581G
57	5.279G	58	5.571G	59	5.700G	60	5.670G
61	5.285G	62	5.330G	63	5.562G	64	5.447G
65	5.579G	66	5.568G	67	5.601G	68	5.280G
69	5.432G	70	5.455G	71	5.395G	72	5.720G
73	5.646G	74	5.643G	75	5.663G	76	5.317G
77	5.321G	78	5.318G	79	5.515G	80	5.550G
81	5.630G	82	5.622G	83	5.333G	84	5.614G
85	5.708G	86	5.449G	87	5.533G	88	5.492G
89	5.312G	90	5.422G	91	5.378G	92	5.506G
93	5.500G	94	5.547G	95	5.647G	96	5.620G
97	5.596G	98	5.382G	99	5.354G	100	5.274G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.501G	2	5.319G	3	5.506G	4	5.481G
5	5.310G	6	5.660G	7	5.513G	8	5.548G
9	5.465G	10	5.623G	11	5.594G	12	5.604G
13	5.452G	14	5.624G	15	5.612G	16	5.601G
17	5.288G	18	5.539G	19	5.300G	20	5.647G
21	5.480G	22	5.357G	23	5.433G	24	5.308G
25	5.677G	26	5.688G	27	5.313G	28	5.670G
29	5.431G	30	5.388G	31	5.708G	32	5.543G
33	5.540G	34	5.462G	35	5.274G	36	5.276G
37	5.437G	38	5.398G	39	5.668G	40	5.364G
41	5.614G	42	5.353G	43	5.607G	44	5.611G
45	5.578G	46	5.654G	47	5.699G	48	5.334G
49	5.723G	50	5.643G	51	5.681G	52	5.690G
53	5.337G	54	5.338G	55	5.368G	56	5.719G
57	5.518G	58	5.280G	59	5.523G	60	5.701G
61	5.369G	62	5.542G	63	5.516G	64	5.294G
65	5.324G	66	5.404G	67	5.564G	68	5.285G
69	5.482G	70	5.251G	71	5.671G	72	5.363G
73	5.552G	74	5.358G	75	5.295G	76	5.565G
77	5.301G	78	5.268G	79	5.487G	80	5.597G
81	5.352G	82	5.466G	83	5.680G	84	5.419G
85	5.279G	86	5.266G	87	5.320G	88	5.418G
89	5.348G	90	5.626G	91	5.407G	92	5.704G
93	5.377G	94	5.370G	95	5.430G	96	5.574G
97	5.573G	98	5.446G	99	5.705G	100	5.316G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.415G	2	5.557G	3	5.688G	4	5.316G
5	5.614G	6	5.536G	7	5.601G	8	5.573G
9	5.556G	10	5.370G	11	5.259G	12	5.286G
13	5.296G	14	5.663G	15	5.513G	16	5.322G
17	5.364G	18	5.675G	19	5.352G	20	5.498G
21	5.277G	22	5.616G	23	5.608G	24	5.284G
25	5.603G	26	5.633G	27	5.424G	28	5.636G
29	5.308G	30	5.451G	31	5.455G	32	5.468G
33	5.634G	34	5.428G	35	5.479G	36	5.519G
37	5.387G	38	5.474G	39	5.630G	40	5.361G
41	5.263G	42	5.473G	43	5.716G	44	5.449G
45	5.408G	46	5.592G	47	5.413G	48	5.376G
49	5.264G	50	5.333G	51	5.297G	52	5.388G
53	5.537G	54	5.452G	55	5.280G	56	5.599G
57	5.543G	58	5.261G	59	5.507G	60	5.418G
61	5.268G	62	5.288G	63	5.591G	64	5.381G
65	5.362G	66	5.321G	67	5.483G	68	5.722G
69	5.393G	70	5.560G	71	5.686G	72	5.523G
73	5.423G	74	5.385G	75	5.509G	76	5.568G
77	5.605G	78	5.420G	79	5.435G	80	5.314G
81	5.695G	82	5.484G	83	5.520G	84	5.379G
85	5.539G	86	5.332G	87	5.315G	88	5.500G
89	5.302G	90	5.525G	91	5.627G	92	5.521G
93	5.354G	94	5.680G	95	5.481G	96	5.578G
97	5.262G	98	5.340G	99	5.489G	100	5.457G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.495G	2	5.558G	3	5.556G	4	5.466G
5	5.256G	6	5.652G	7	5.518G	8	5.588G
9	5.694G	10	5.419G	11	5.586G	12	5.594G
13	5.509G	14	5.595G	15	5.549G	16	5.562G
17	5.260G	18	5.639G	19	5.635G	20	5.560G
21	5.599G	22	5.603G	23	5.479G	24	5.490G
25	5.284G	26	5.536G	27	5.394G	28	5.672G
29	5.722G	30	5.377G	31	5.311G	32	5.298G
33	5.512G	34	5.329G	35	5.643G	36	5.598G
37	5.411G	38	5.380G	39	5.696G	40	5.535G
41	5.285G	42	5.277G	43	5.545G	44	5.638G
45	5.625G	46	5.528G	47	5.253G	48	5.448G
49	5.637G	50	5.716G	51	5.673G	52	5.455G
53	5.593G	54	5.585G	55	5.355G	56	5.574G
57	5.698G	58	5.654G	59	5.587G	60	5.623G
61	5.423G	62	5.387G	63	5.581G	64	5.427G
65	5.254G	66	5.675G	67	5.649G	68	5.650G
69	5.323G	70	5.634G	71	5.374G	72	5.462G
73	5.295G	74	5.500G	75	5.349G	76	5.615G
77	5.310G	78	5.351G	79	5.576G	80	5.336G
81	5.657G	82	5.301G	83	5.523G	84	5.619G
85	5.276G	86	5.521G	87	5.548G	88	5.496G
89	5.328G	90	5.362G	91	5.316G	92	5.318G
93	5.319G	94	5.406G	95	5.668G	96	5.542G
97	5.367G	98	5.572G	99	5.477G	100	5.468G