

DFS TEST REPORT

REPORT NO.: RF111227C09A-1

MODEL NO.: APL22-09E

FCC ID: QWU-09E

IC ID: 4408A-09E

RECEIVED: Jan. 04, 2012

TESTED: May 03, 2012

ISSUED: May 15, 2012

APPLICANT: SonicWALL, Inc.

ADDRESS: 2001 Logic Drive San Jose, CA 95124, USA

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

TEST LOCATION: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,
New Taipei City, 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
RF111227C09A-1	Original release	May 15, 2012

1. CERTIFICATION

PRODUCT: Wireless 802.11 abgn Device
MODEL: APL22-09E
BRAND: SonicWALL
APPLICANT: SonicWALL, Inc.
TESTED: May 03, 2012
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
Canada RSS-210 Issue 8 (2010-12)
Canada RSS-Gen Issue 3 (2010-12)
FCC 06-96

The above equipment (Model: APL22-09E) 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 :** May 15, 2012
Pettie Chen / Specialist

APPROVED BY :  , **DATE :** May 15, 2012
Gary Chang / Technical 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	Wireless 802.11 abgn Device	APL22-09E	SonicOS Enhanced 5.8.1.6-HO_DFS-2o

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

Table 3: Antenna list.

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

2.4 EUT MAXIMUM AND MINIMUM CONDUCTED POWER

TABLE 4: THE MEASURED CONDUCTED OUTPUT POWER

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	20.943	124.256	14.943	31.210
1	5470~5725	17.838	60.787	11.838	15.269

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	22.241	167.528	16.241	42.082
1	5470~5725	14.749	29.844	8.749	7.497

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

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

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	24.943	312.104	18.943	78.397
1	5470~5725	21.838	152.686	15.838	38.353

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	26.241	420.824	20.241	105.706
1	5470~5725	18.749	74.972	12.749	18.832

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	2013/01/29
Signal generator	8645A	Agilent	2012/06/09
Oscilloscope	TDS 5104	Tektronix	2013/03/04
Control PC	Pavilion a320d	HP	--

4.2 DESCRIPTION OF SUPPORT UNITS

TABLE 2: SUPPORT UNIT INFORMATION.

No.	Product	Brand	Model No.	FCC ID
1	Wireless-N USB Adapter	BUFFALO	WLI-UC-AG300N	FDI-09102079-0

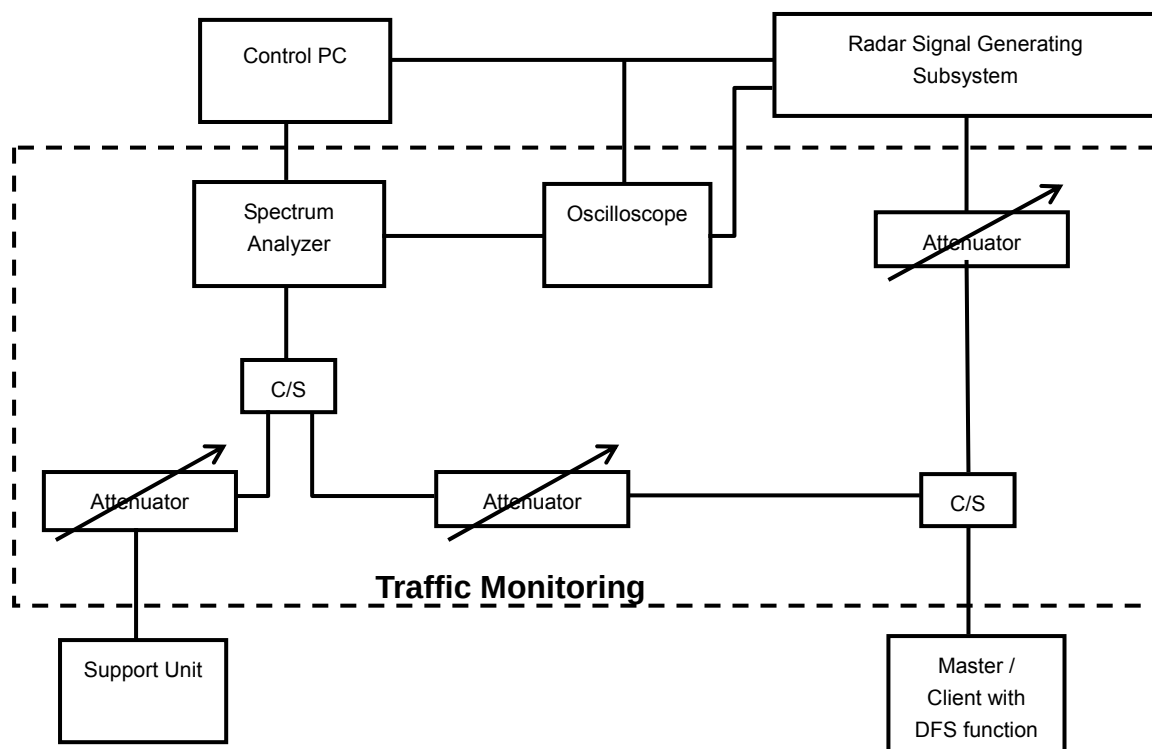
Note: This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

5. TEST PROCEDURE

5.1 ADT DFS MEASUREMENT SYSTEM:

A complete ADT DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (EUT).

Conducted setup configuration of ADT DFS Measurement System



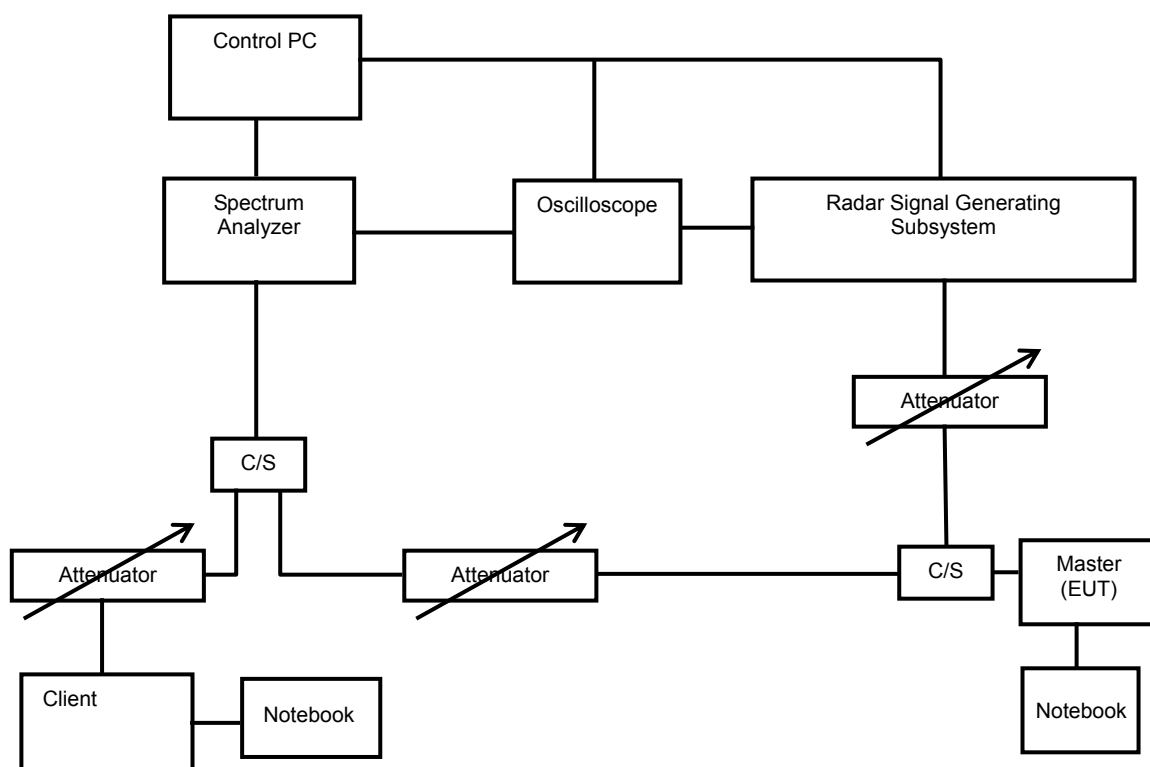
The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at:
<http://ntiacsd.ntia.doc.gov/dfs/>.

5.3 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

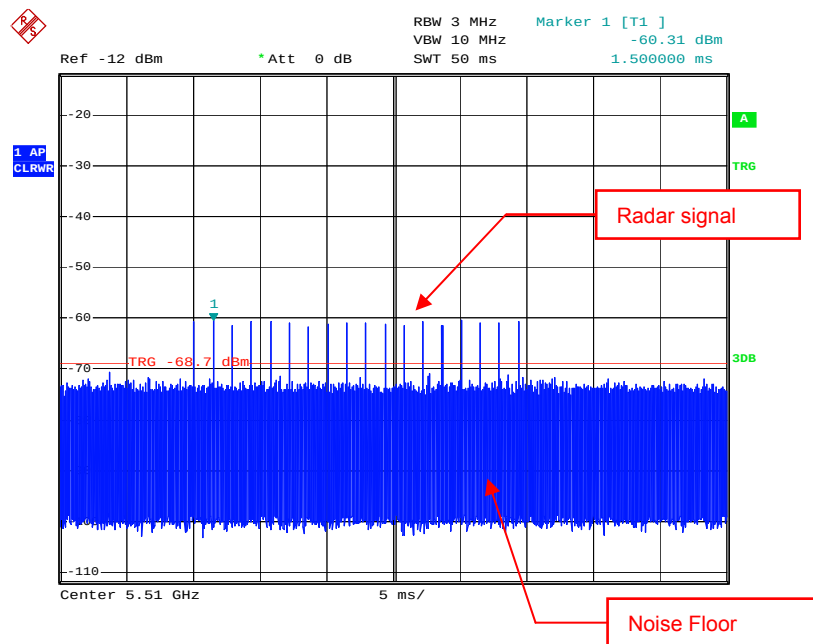
6.2 DETELED TEST RESULTS

6.2.1 TEST MODE: DEVICE OPERATING IN MASTER MODE.

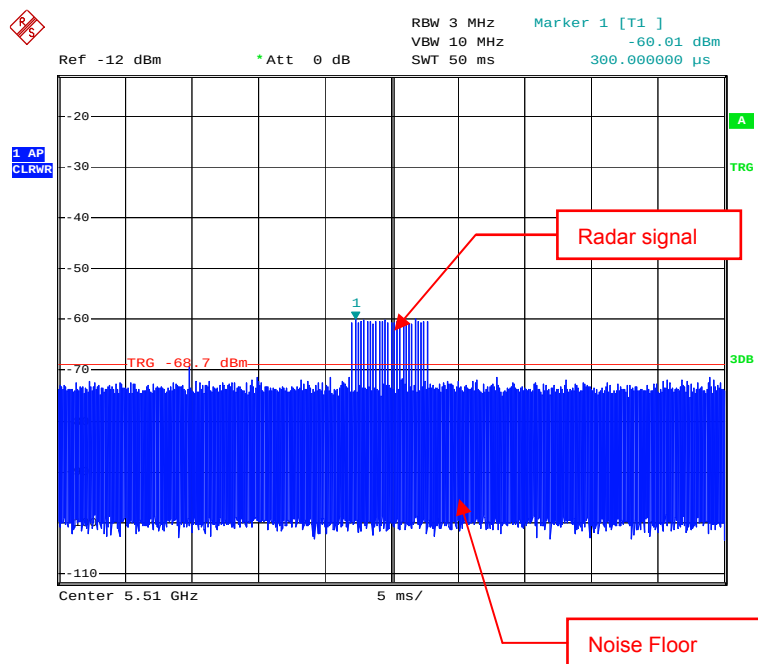
Master with injection at the Master. (Radar Test Waveforms are injected into the Master.

6.2.2 DFS DETECTION THRESHOLD

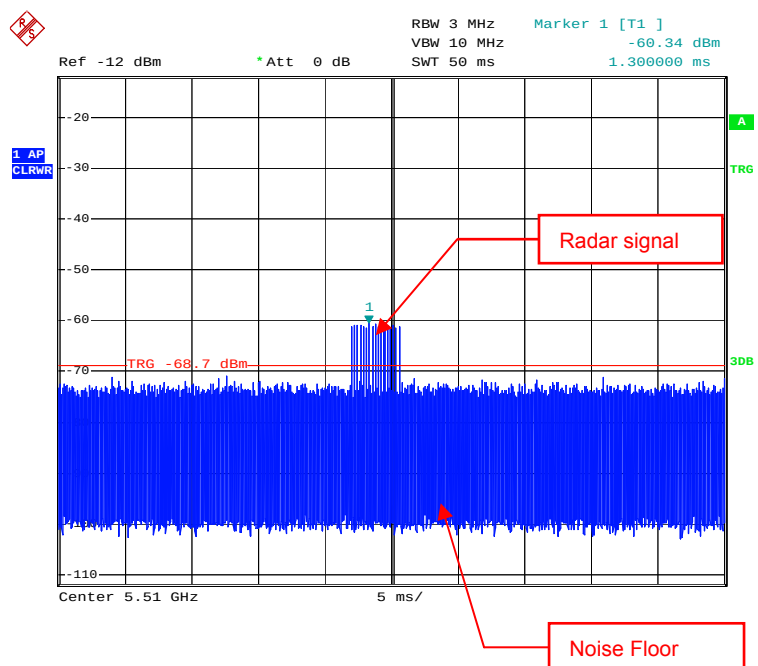
For a detection threshold level of -64dBm and the Master minimum antenna gain is 4.0 dBi , and required detection threshold is -60 dBm ($= -64 + 4.0$). The conducted radar burst level is set to -60 dBm .



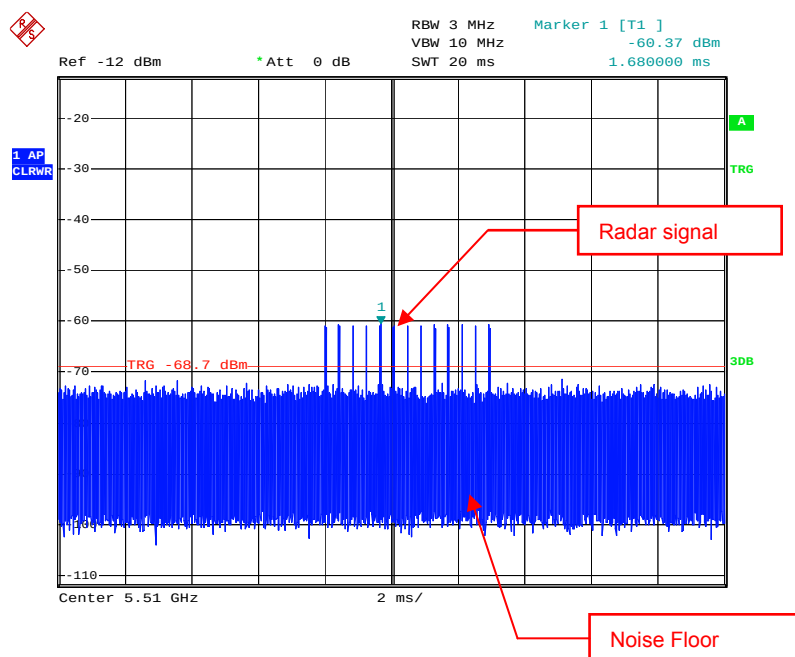
Radar Signal 1



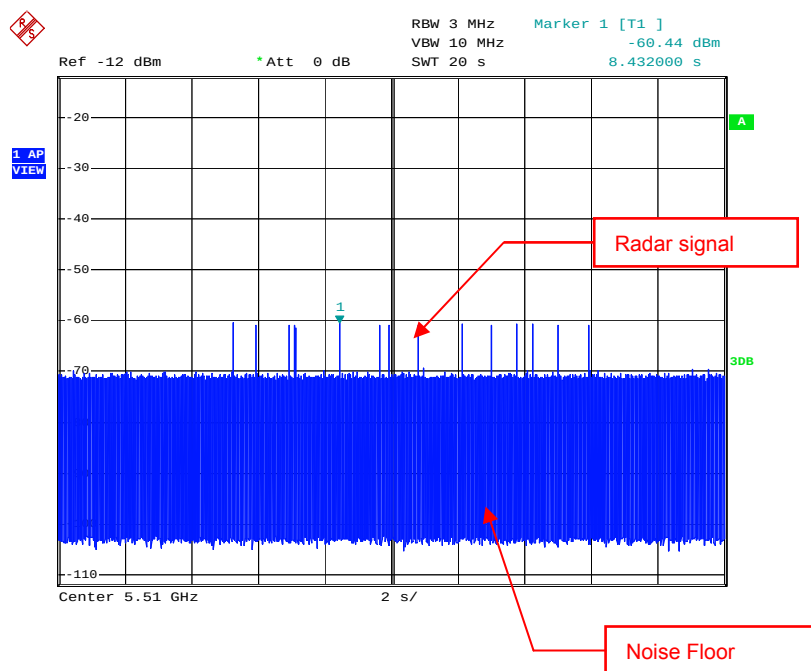
Radar Signal 2



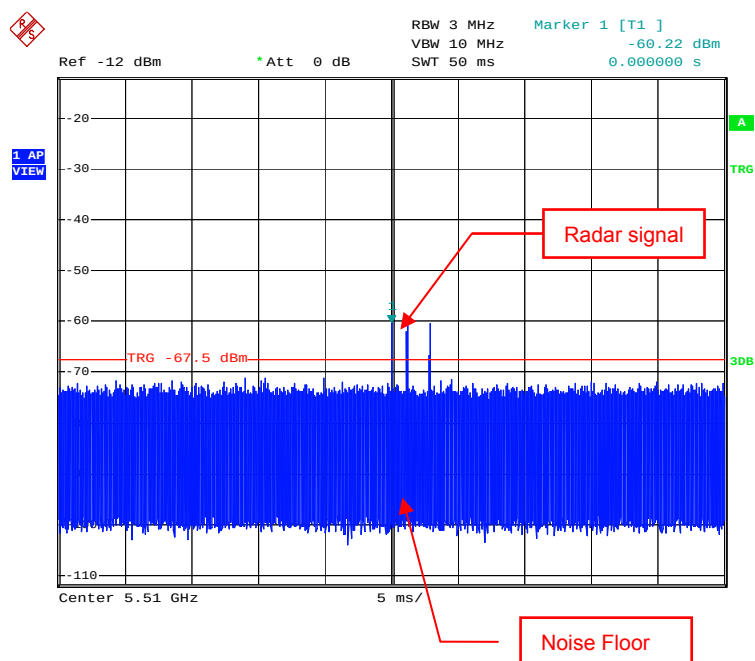
Radar Signal 3



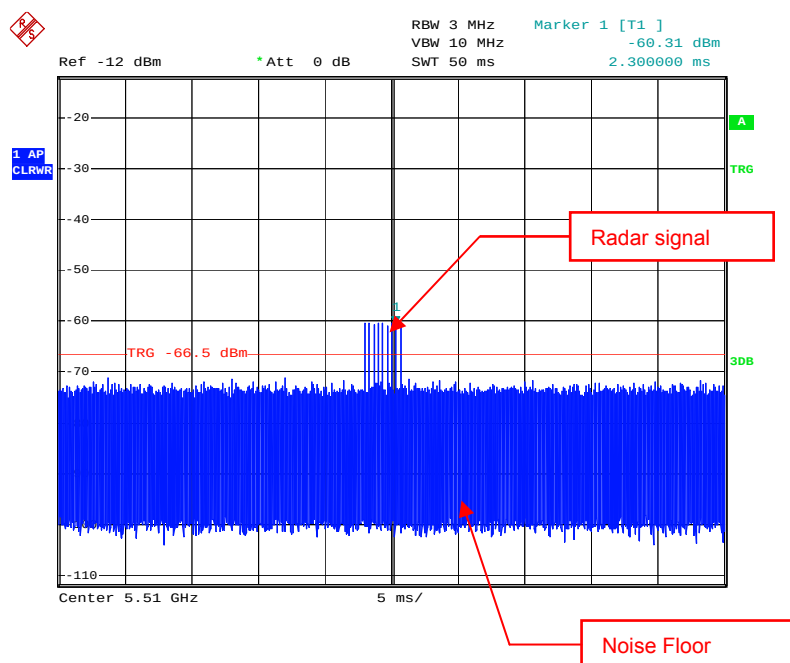
Radar Signal 4



Radar Signal 5



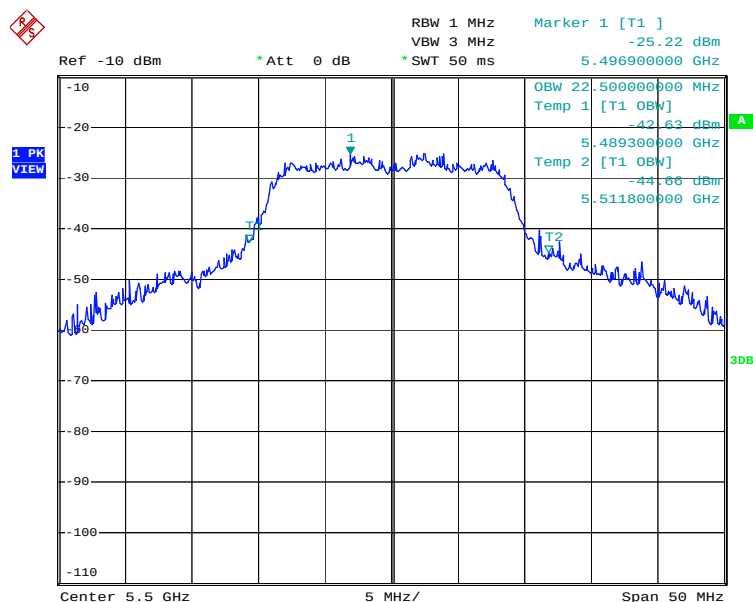
Single Burst of Radar Signal 5



Radar Signal 6

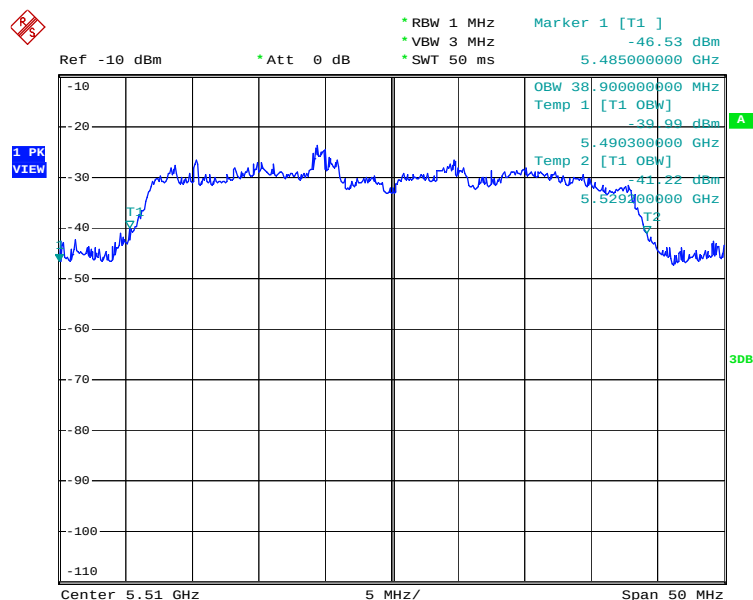
6.2.3 U-NII DETECTION BANDWIDTH

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: 22.5MHz

Detection bandwidth limit (80% of EUT 99% Power bandwidth): 18.0MHz

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	N	N	N	N	N	N	N	N	N	N	0
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	N	N	N	N	N	N	N	N	N	0

Detection Bandwidth Test - IEEE 802.11N 40MHz

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 38.9MHz

Detection bandwidth limit (80% of EUT 99% Power bandwidth): 31.12MHz

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	N	N	N	N	N	N	N	N	N	N	0
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

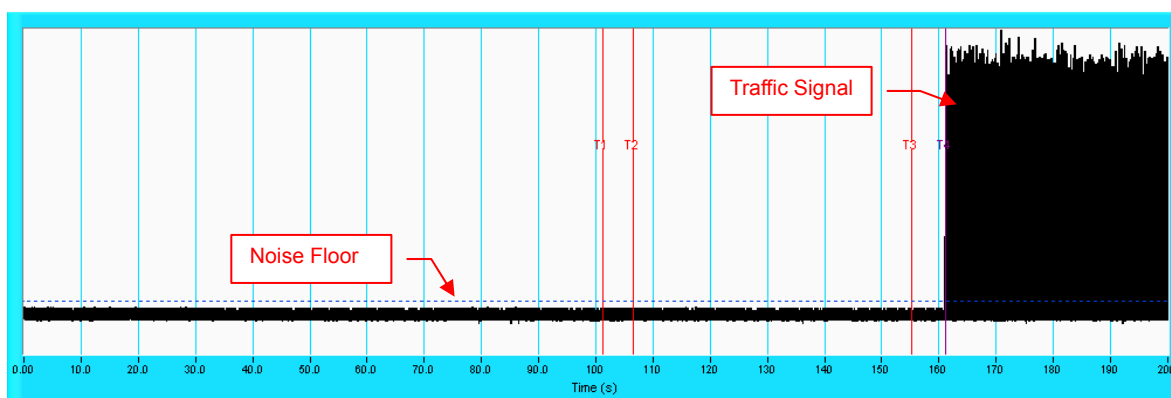
5526	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5527	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5528	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5529	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5530	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5531(FH)	N	N	N	N	N	N	N	N	N	N	0

6.2.4 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.

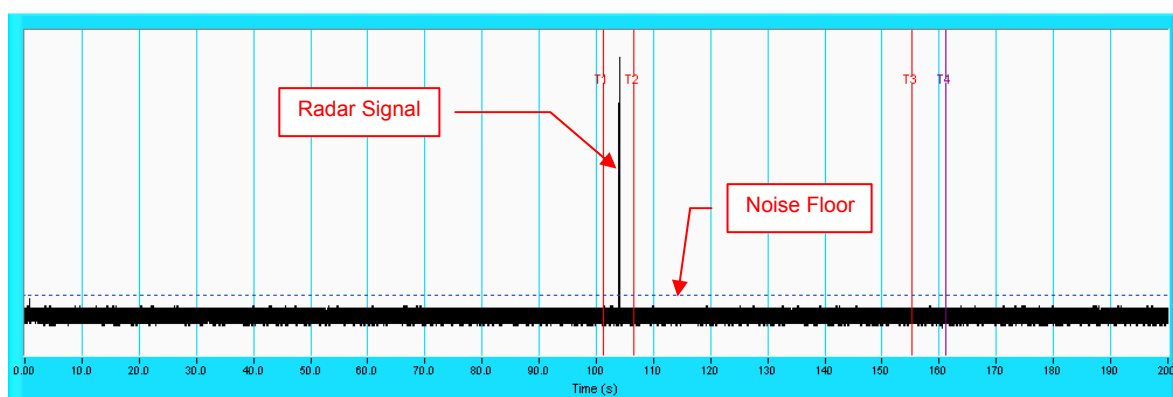
Timing of Radar Signal	Observation	
	EUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



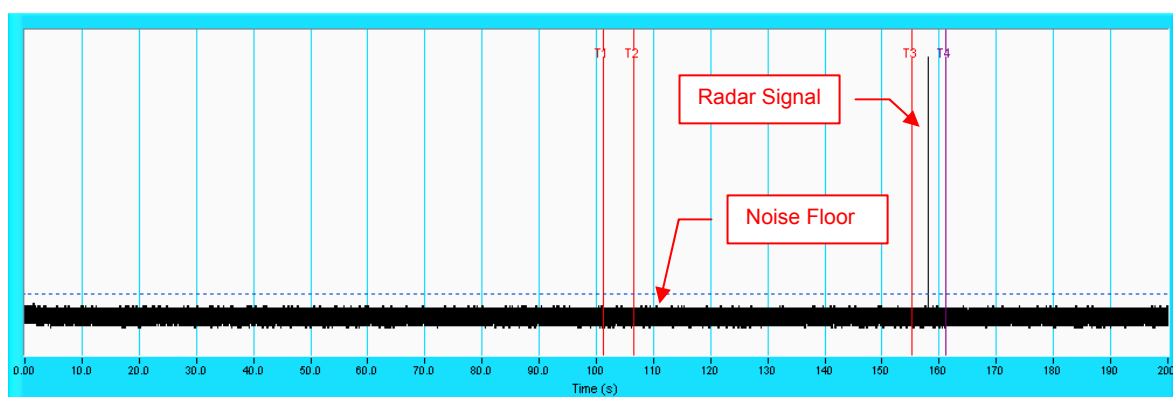
NOTE: T1 denotes the end of power-up time period is 101 second. T4 denotes the end of Channel Availability Check time is 161 second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 101 second. T2 denotes 107 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 161 second.

Radar Burst at the End of the Channel Availability Check Time

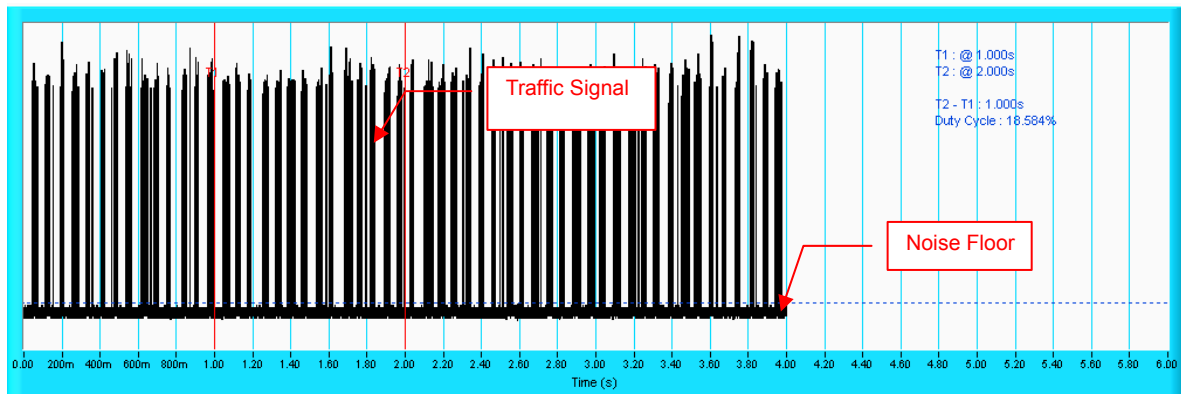


NOTE: T1 denotes the end of power up time period is 101 second. T3 denotes 155 second and radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T4 denotes the 161 second.

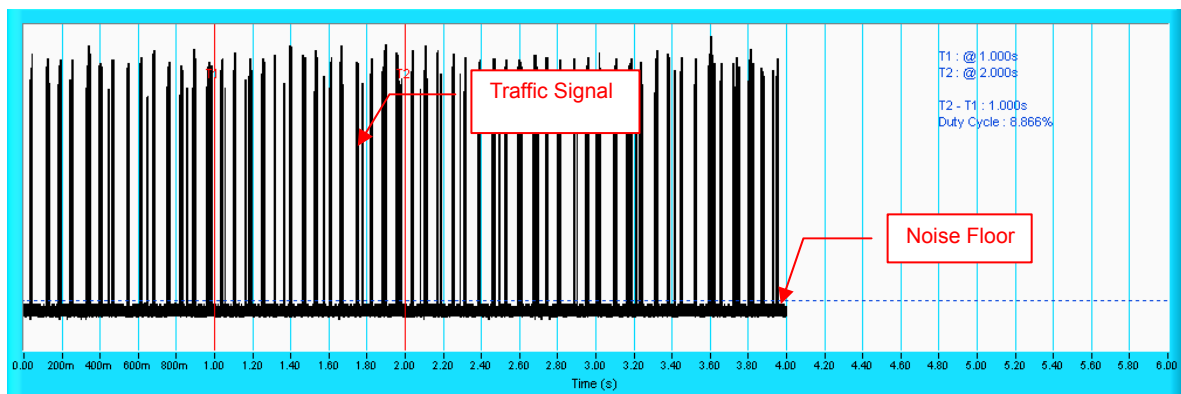
6.2.5 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

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	96.7
2	1-5	150-230	23-29	30	86.7
3	6-10	200-500	16-18	30	93.3
4	11-20	200-500	12-16	30	86.7
Aggregate (Radar Types 1-4)				120	90.85

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	90

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	90

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	96.7
2	1-5	150-230	23-29	30	90
3	6-10	200-500	16-18	30	93.3
4	11-20	200-500	12-16	30	80
Aggregate (Radar Types 1-4)				120	90

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	86.7

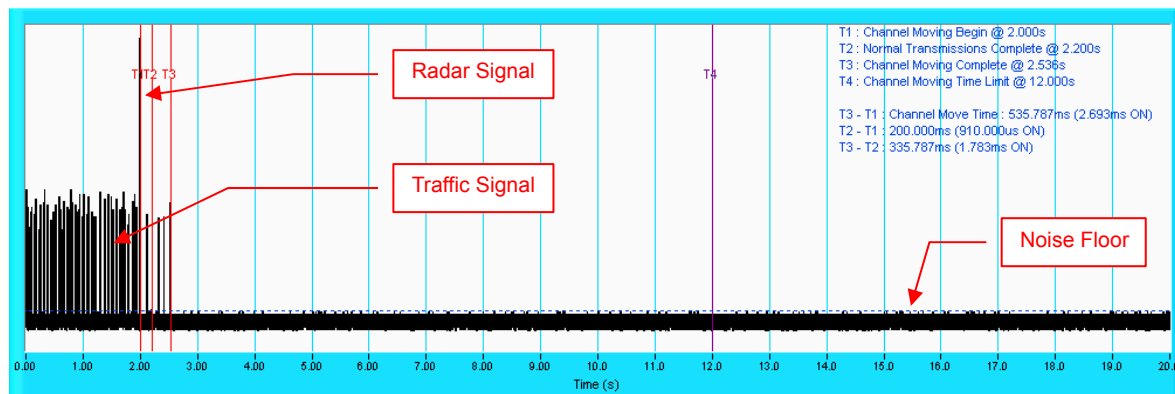
Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	90

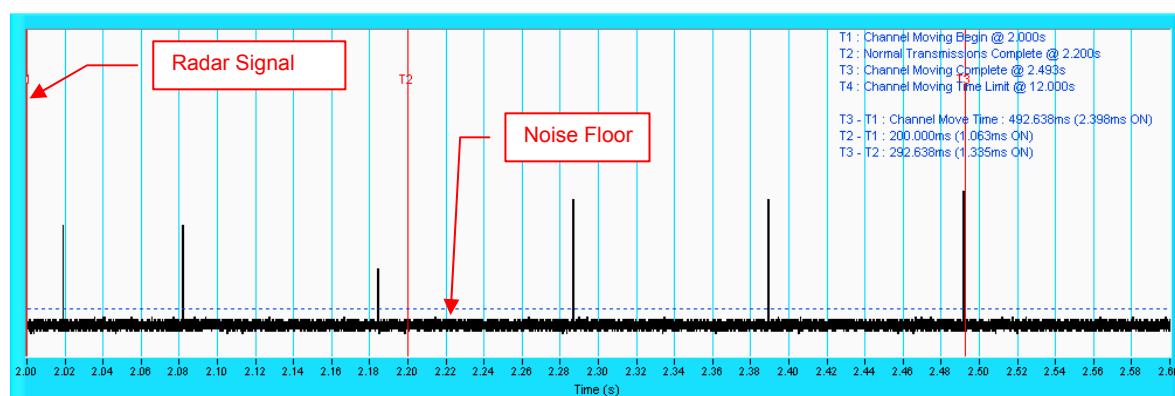
The Detailed Radar pattern and Statistical Performance showed in Annex A.

Radar signal 1

IEEE 802.11N 20MHz



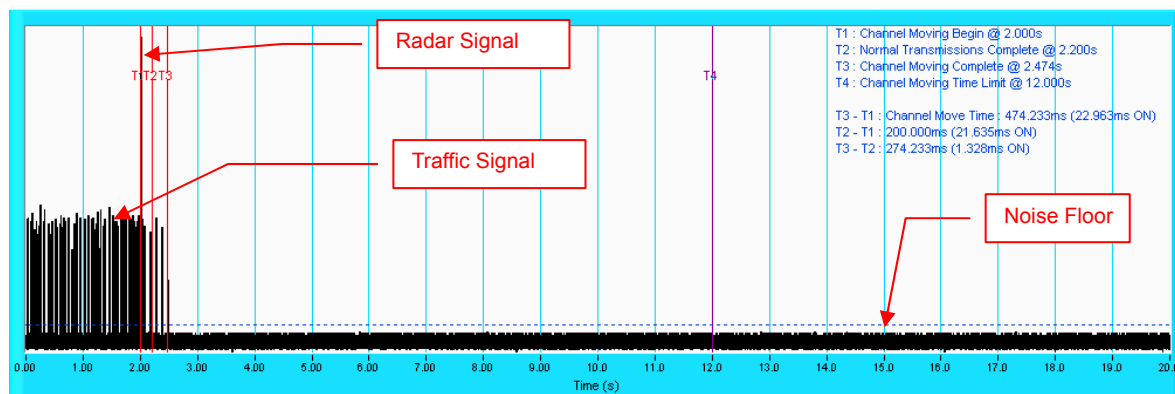
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



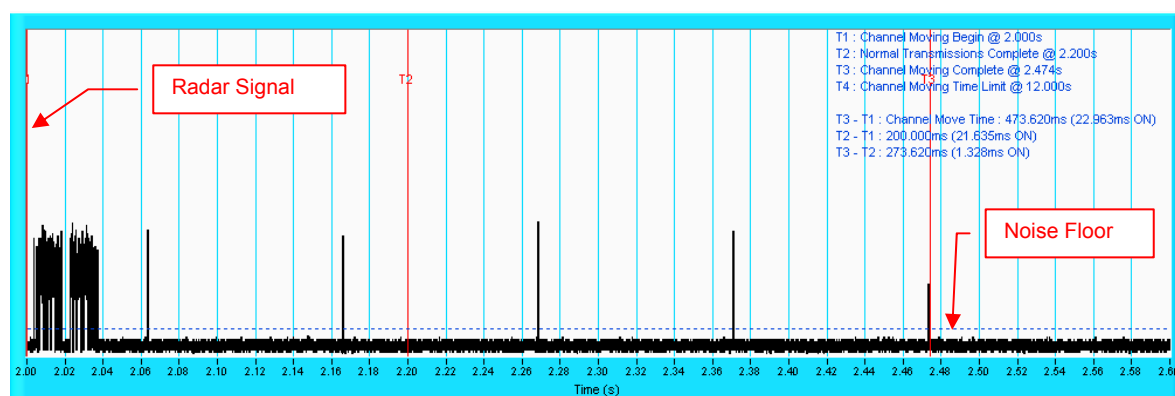
NOTE: Zoom-in of the first 600ms after radar signal applied.

Radar signal 2

IEEE 802.11N 20MHz



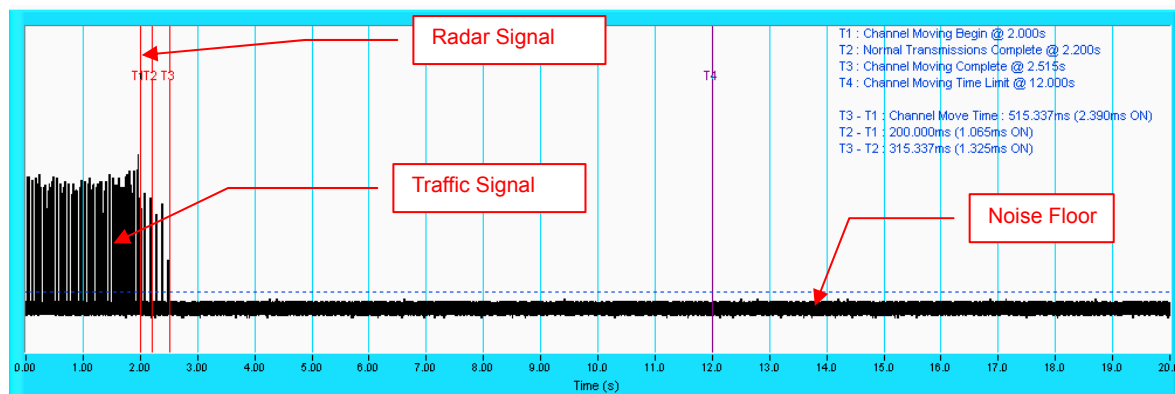
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



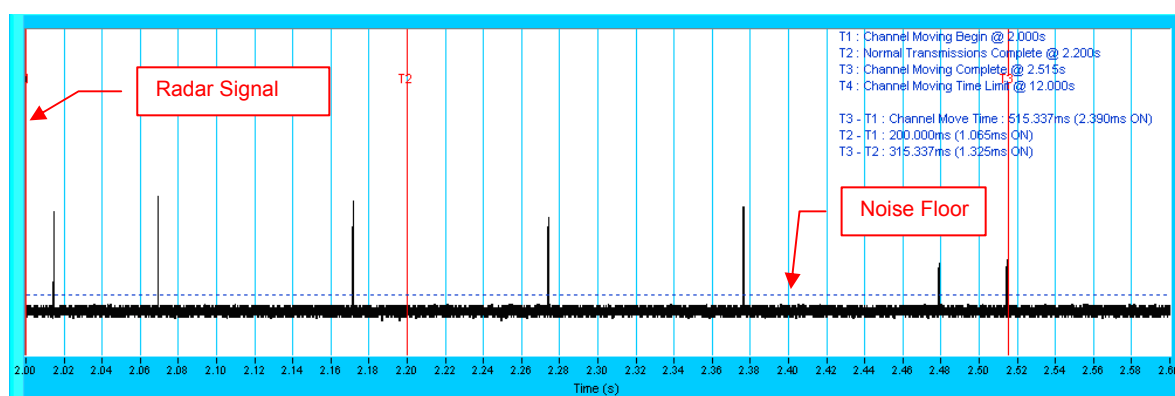
NOTE: Zoom-in of the first 600ms after radar signal applied.

Radar signal 3

IEEE 802.11N 20MHz



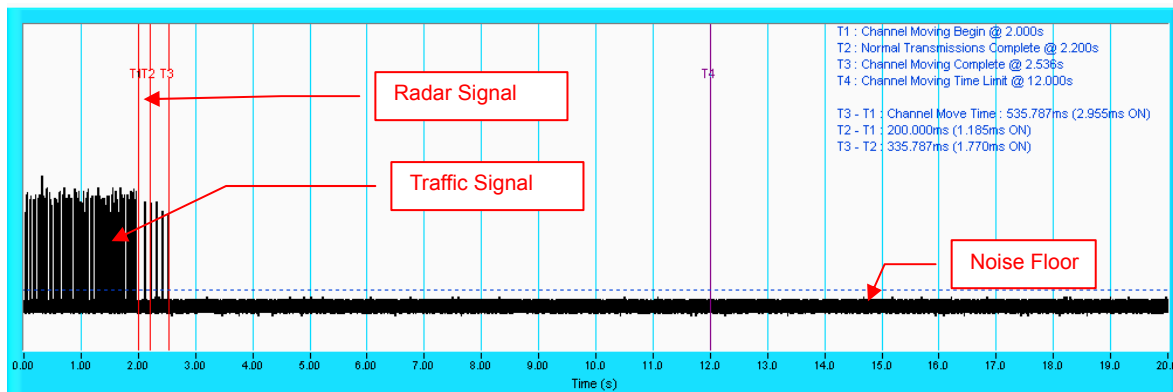
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



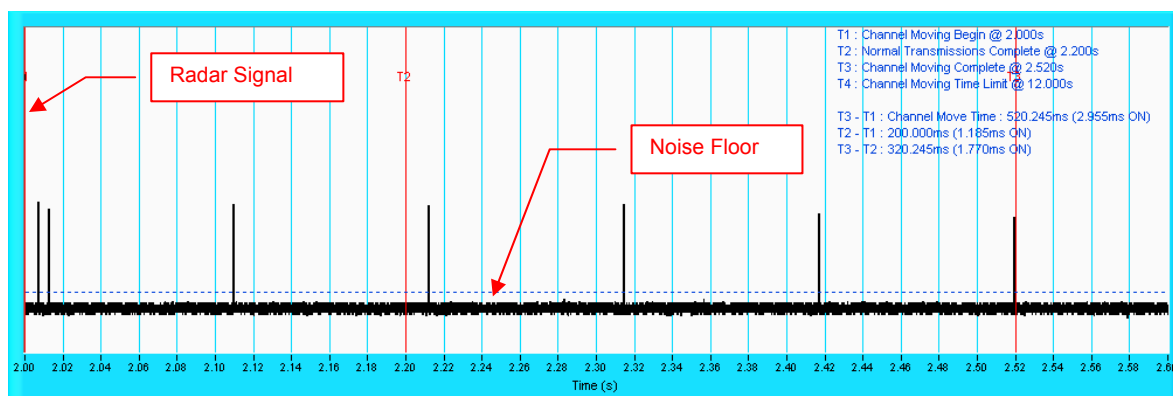
NOTE: Zoom-in of the first 600ms after radar signal applied.

Radar signal 4

IEEE 802.11N 20MHz



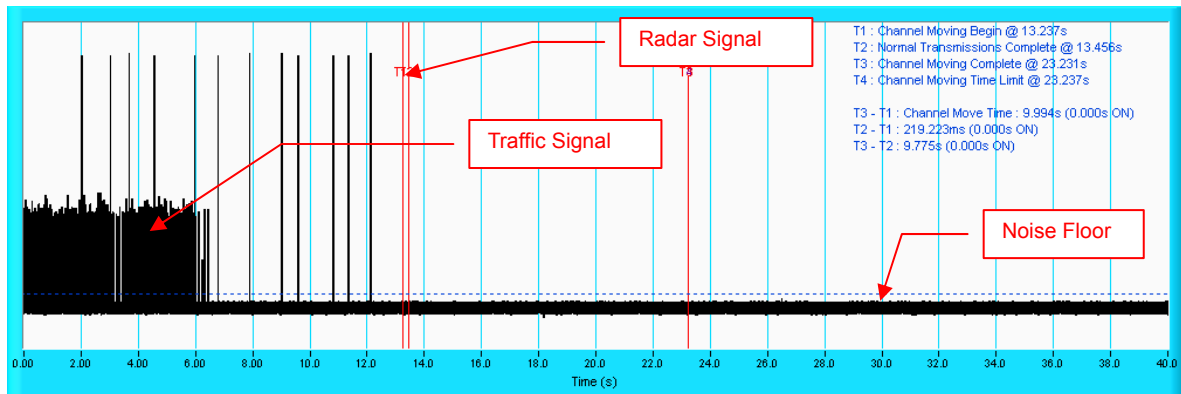
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



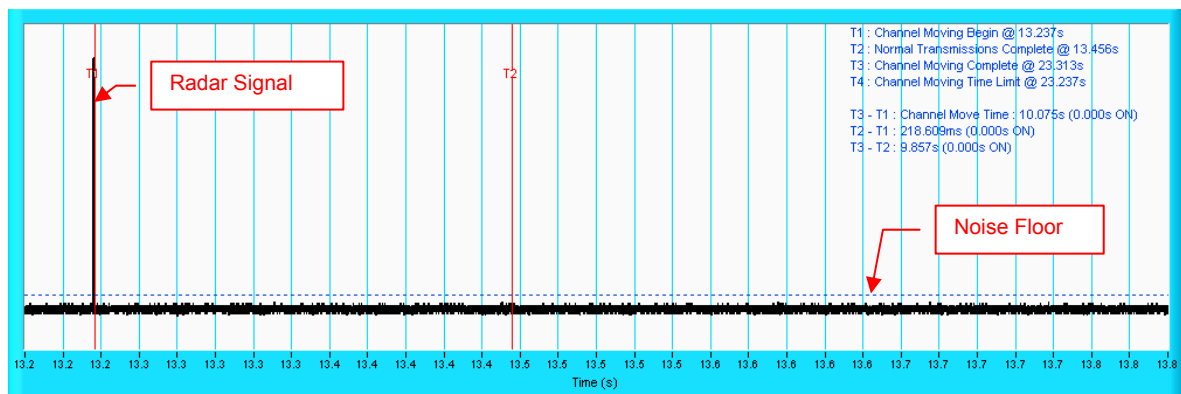
NOTE: Zoom-in of the first 600ms after radar signal applied.

Radar signal 5

IEEE 802.11N 20MHz



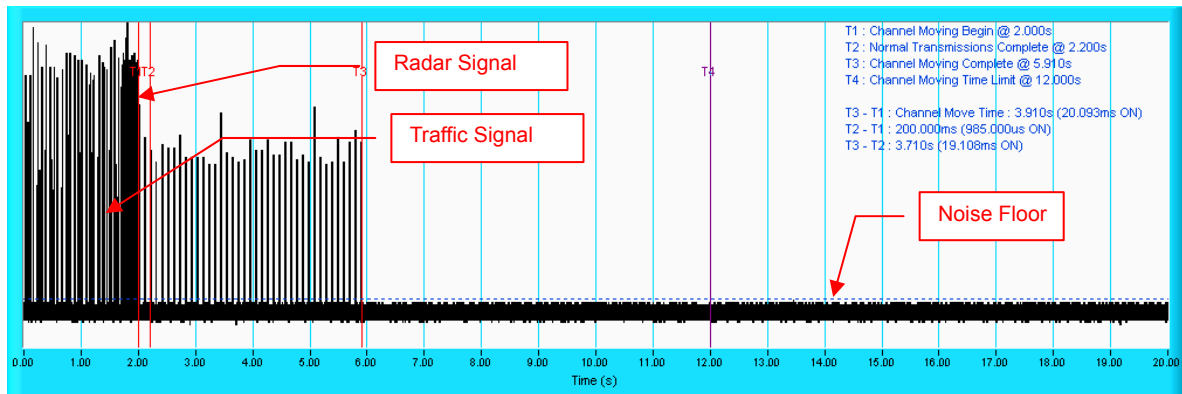
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



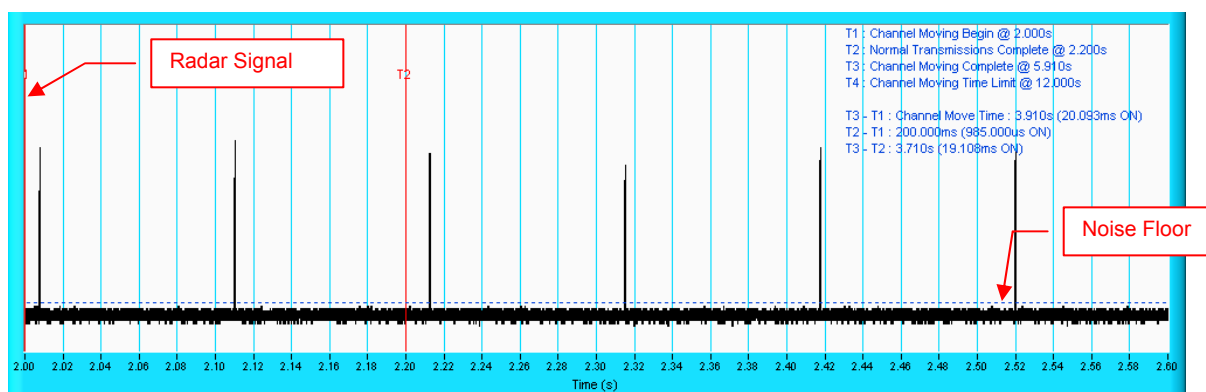
NOTE: Zoom-in of the first 600ms after radar signal applied.

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: Zoom-in of the first 600ms after radar signal applied.

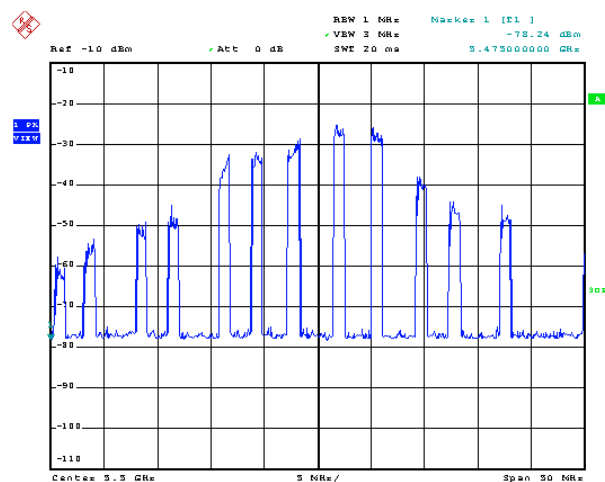
6.2.6 NON-OCCUPANCY PERIOD

Associate test:

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

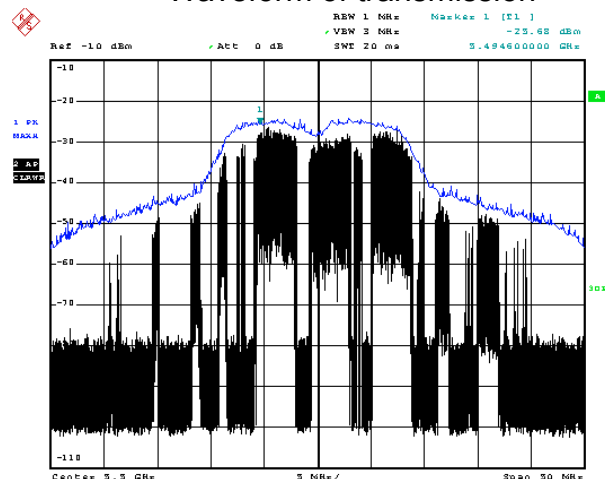
1) EUT (Client) links with master on 5500MHz.

Waveform of EUT links up with Master



2) Client plays specified files via master.

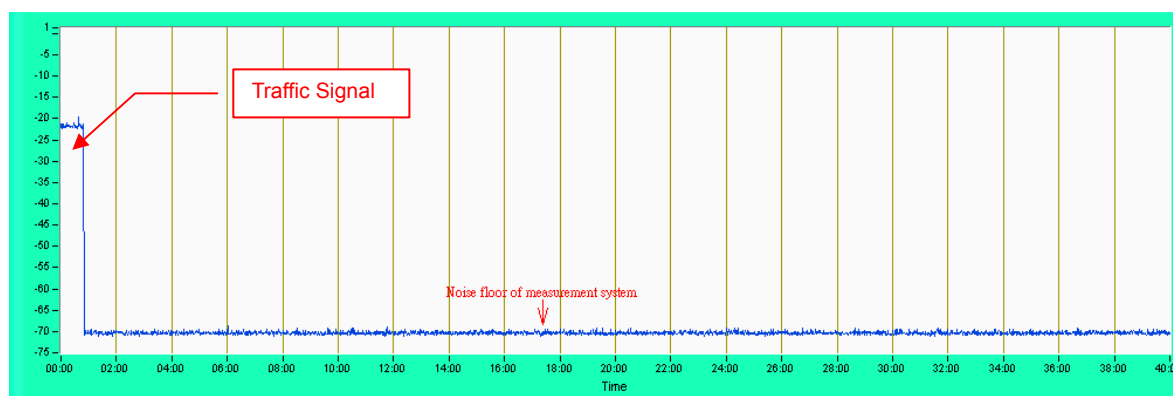
Waveform of transmission



- 3) Radar signal 1~6 are applied to the Master device and WiFi traffic signal stop immediately.
Radar signal applied to the master and traffic stopped as described in section 6.2.5.
- 4) 5500MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

802.11a



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

6.2.7 UNIFORM SPREADING

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The EUT using the DFS bands 5250 to 5350MHz and 5470 to 5725 MHz channels so that the probability of selecting a given channel shall be the same for all channels.

The EUT will select channel by random mode and mark this channel after detecting radar signal, so that will select unused channel by random mode.

6.2.8 TRANSMIT POWER CONTROL (TPC)

According to FCC 15.407(h)(1) the TPC mechanism is not required for system with an E.I.R.P. of less 500mW

7. TESTING LABORATORIES INFORMATION

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Copies of accreditation and authorization 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:

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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	No
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: 96.7 %				

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	23	3.2u	218.0u	No
2	28	4.4u	169.0u	Yes
3	29	4.3u	166.0u	Yes
4	28	3.9u	186.0u	Yes
5	24	3.6u	179.0u	Yes
6	27	3.3u	214.0u	No
7	24	2.9u	165.0u	No
8	29	1.7u	185.0u	Yes
9	27	4.0u	166.0u	Yes
10	25	2.1u	221.0u	Yes
11	23	1.1u	171.0u	Yes
12	27	3.8u	169.0u	Yes
13	25	4.8u	214.0u	Yes
14	25	1.5u	219.0u	Yes
15	24	1.8u	206.0u	Yes
16	24	3.5u	154.0u	Yes
17	27	2.9u	197.0u	Yes
18	27	4.1u	163.0u	Yes
19	23	2.1u	206.0u	Yes
20	23	1.6u	167.0u	Yes
21	29	4.8u	200.0u	Yes
22	27	2.6u	208.0u	Yes
23	24	3.3u	193.0u	Yes
24	25	2.0u	196.0u	Yes
25	29	4.3u	170.0u	No
26	26	2.9u	198.0u	Yes
27	28	2.8u	202.0u	Yes
28	26	4.0u	174.0u	Yes
29	28	4.7u	222.0u	Yes
30	24	4.7u	169.0u	Yes
Detection Rate: 86.7 %				

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	8.5u	223.0u	Yes
2	17	8.3u	312.0u	Yes
3	18	8.3u	293.0u	Yes
4	18	6.5u	420.0u	Yes
5	18	6.1u	338.0u	Yes
6	18	9.6u	432.0u	Yes
7	17	7.9u	360.0u	Yes
8	18	9.4u	358.0u	Yes
9	17	6.4u	462.0u	Yes
10	18	6.7u	231.0u	Yes
11	18	6.4u	233.0u	Yes
12	18	8.9u	493.0u	Yes
13	17	6.8u	370.0u	Yes
14	17	8.3u	344.0u	Yes
15	16	9.3u	320.0u	Yes
16	18	9.0u	453.0u	Yes
17	16	8.0u	213.0u	Yes
18	18	6.7u	398.0u	Yes
19	17	9.0u	354.0u	Yes
20	18	9.8u	212.0u	Yes
21	17	7.6u	246.0u	Yes
22	17	7.1u	390.0u	Yes
23	17	9.3u	492.0u	Yes
24	18	7.6u	344.0u	Yes
25	16	8.6u	263.0u	Yes
26	17	7.9u	491.0u	No
27	18	8.0u	341.0u	No
28	17	9.7u	471.0u	Yes
29	17	8.8u	492.0u	Yes
30	17	6.4u	350.0u	Yes
Detection Rate: 93.3 %				

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	12	11.5u	249.0u	Yes
2	13	15.4u	293.0u	Yes
3	13	15.5u	352.0u	Yes
4	15	16.0u	489.0u	No
5	16	16.1u	336.0u	Yes
6	12	19.4u	295.0u	Yes
7	13	17.1u	382.0u	Yes
8	14	12.8u	221.0u	Yes
9	14	15.0u	270.0u	Yes
10	13	19.9u	298.0u	Yes
11	15	19.2u	484.0u	Yes
12	13	11.0u	462.0u	Yes
13	15	15.2u	312.0u	No
14	13	16.0u	228.0u	Yes
15	12	16.9u	422.0u	Yes
16	16	14.8u	375.0u	Yes
17	14	19.0u	281.0u	Yes
18	13	11.8u	395.0u	Yes
19	14	19.9u	448.0u	Yes
20	13	14.9u	364.0u	Yes
21	14	12.1u	214.0u	Yes
22	12	16.5u	442.0u	Yes
23	12	16.6u	276.0u	Yes
24	13	15.7u	202.0u	No
25	15	17.7u	292.0u	Yes
26	15	16.3u	436.0u	Yes
27	13	13.5u	237.0u	No
28	13	19.4u	380.0u	Yes
29	13	18.2u	259.0u	Yes
30	15	11.6u	492.0u	Yes
Detection Rate: 86.7 %				

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

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_01						
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	16M	71.7u	1.071m	-	398.5m
2	1	8M	92.6u	-	-	920.6m
3	2	15M	95.2u	1.190m	-	600.2m
4	1	10M	90.5u	-	-	1.088
5	2	12M	92.9u	1.659m	-	372.8m
6	2	14M	80.5u	1.218m	-	65.30m
7	1	10M	81.2u	-	-	615.2m
8	1	16M	57.6u	-	-	62.45m
9	2	6M	64.9u	1.457m	-	156.1m
10	1	8M	75.6u	-	-	358.0m
11	2	13M	99.0u	1.877m	-	321.9m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
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	10M	61.6u	1.351m	954.4u	21.70m
2	2	12M	94.0u	962.0u	-	283.4m
3	3	18M	55.3u	1.912m	1.017m	737.5m
4	2	17M	75.0u	1.109m	-	598.5m
5	2	8M	58.5u	992.5u	-	275.5m
6	1	5M	65.2u	-	-	322.3m
7	1	12M	62.9u	-	-	408.3m
8	2	18M	86.6u	1.864m	-	678.3m
9	1	16M	95.4u	-	-	263.3m
10	1	14M	91.4u	-	-	523.5m
11	2	6M	62.7u	1.625m	-	516.4m
12	2	13M	75.2u	1.200m	-	698.1m
13	1	19M	66.0u	-	-	395.7m

14	2	12M	64.6u	1.309m	-	398.2m
15	2	16M	60.7u	1.494m	-	70.94m
16	1	16M	93.7u	-	-	275.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_03						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	80.0u	1.194m	-	1.094
2	3	15M	87.2u	1.504m	1.850m	414.9m
3	2	6M	96.6u	1.308m	-	604.0m
4	2	9M	77.9u	1.590m	-	319.8m
5	1	14M	80.6u	-	-	816.5m
6	2	15M	90.0u	1.255m	-	369.5m
7	3	19M	72.0u	1.607m	1.815m	602.9m
8	3	20M	54.6u	1.272m	1.026m	1.068
9	2	14M	69.6u	1.117m	-	627.8m
10	1	18M	83.5u	-	-	553.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_04						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	65.4u	1.359m	1.379m	677.7m
2	1	17M	76.5u	-	-	229.1m
3	2	12M	92.5u	1.230m	-	202.7m
4	3	6M	50.9u	1.801m	1.474m	114.9m
5	1	5M	73.6u	-	-	1.073
6	3	18M	79.6u	1.824m	1.826m	332.8m
7	2	17M	74.2u	1.750m	-	181.4m
8	2	16M	87.9u	1.475m	-	124.9m
9	3	20M	60.0u	976.0u	1.376m	778.3m
10	2	9M	65.7u	1.831m	-	914.5m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_05						
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	16M	67.5u	-	-	274.6m
2	2	13M	85.6u	1.491m	-	39.37m
3	3	5M	50.9u	1.218m	1.585m	171.2m
4	2	15M	85.0u	1.112m	-	426.7m
5	2	6M	54.1u	1.631m	-	322.6m
6	2	9M	58.2u	1.079m	-	23.36m
7	2	18M	99.4u	1.329m	-	189.8m
8	1	11M	54.6u	-	-	464.5m
9	2	9M	59.8u	1.301m	-	20.84m
10	2	17M	90.7u	1.654m	-	134.4m
11	1	13M	63.8u	-	-	243.1m
12	1	20M	82.6u	-	-	7.326m
13	2	17M	77.1u	1.074m	-	182.1m
14	3	20M	58.1u	1.532m	1.588m	532.7m
15	1	7M	53.0u	-	-	568.9m
16	1	13M	61.9u	-	-	259.4m
17	3	18M	69.3u	1.811m	1.551m	445.3m
18	2	19M	77.1u	1.234m	-	624.7m
19	2	14M	60.9u	1.937m	-	536.3m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_06						
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	80.8u	1.812m	-	58.83m
2	1	15M	61.9u	-	-	905.7m
3	3	10M	89.5u	1.197m	1.259m	523.5m
4	2	9M	98.5u	1.801m	-	1.134
5	1	18M	75.7u	-	-	837.8m

6	3	15M	51.9u	1.912m	1.836m	38.68m
7	2	7M	98.8u	1.268m	-	467.6m
8	3	5M	93.7u	1.722m	1.295m	262.7m
9	2	8M	92.4u	1.495m	-	1.054
10	3	7M	89.4u	1.122m	1.287m	38.78m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_07						
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	13M	72.6u	1.377m	-	199.7m
2	1	6M	63.2u	-	-	317.1m
3	3	8M	63.5u	1.445m	1.930m	836.3m
4	2	6M	62.4u	1.901m	-	846.6m
5	2	13M	79.1u	1.766m	-	5.163m
6	2	16M	61.1u	1.072m	-	519.4m
7	2	7M	73.0u	1.552m	-	642.3m
8	3	10M	63.5u	1.262m	1.177m	773.6m
9	2	15M	65.6u	1.223m	-	488.8m
10	2	16M	70.9u	1.094m	-	112.1m
11	1	11M	93.7u	-	-	546.4m
12	2	18M	84.4u	1.169m	-	201.7m
13	1	10M	59.5u	-	-	652.4m
14	2	17M	64.4u	1.149m	-	345.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_08						
Number of Bursts in Trial: 20						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	6M	59.3u	-	-	18.15m
2	1	15M	68.5u	-	-	337.3m
3	2	19M	82.4u	1.674m	-	424.3m
4	2	18M	53.4u	1.868m	-	449.7m

5	2	7M	53.0u	1.177m	-	255.8m
6	3	5M	66.7u	1.294m	1.468m	183.3m
7	3	18M	87.2u	1.042m	1.010m	234.6m
8	2	16M	82.3u	1.309m	-	203.4m
9	3	15M	92.9u	1.273m	1.750m	313.2m
10	1	14M	55.2u	-	-	510.1m
11	2	10M	76.0u	1.555m	-	192.3m
12	2	20M	57.9u	1.500m	-	84.88m
13	1	14M	60.3u	-	-	463.2m
14	3	18M	59.5u	1.399m	1.544m	236.8m
15	1	6M	97.0u	-	-	39.38m
16	2	13M	52.5u	977.5u	-	91.65m
17	2	12M	69.6u	1.810m	-	382.9m
18	2	6M	74.5u	1.548m	-	240.5m
19	2	8M	84.9u	1.531m	-	510.7m
20	2	13M	88.9u	1.056m	-	296.9m

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	8M	81.8u	1.540m	-	703.7m
2	2	6M	68.8u	1.164m	-	851.3m
3	3	15M	76.9u	1.906m	1.077m	550.2m
4	3	13M	78.5u	1.606m	1.037m	50.73m
5	1	19M	51.3u	-	-	1.035
6	1	6M	57.7u	-	-	205.7m
7	3	12M	56.4u	1.793m	1.731m	792.8m
8	2	14M	84.1u	1.165m	-	518.1m
9	3	18M	86.9u	1.878m	1.223m	633.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_10						
Number of Bursts in Trial: 14						
Burst	Pulses	Chrip	Pulse	Pulse 1 to 2	Pulse 2 to 3	Start

	per Burst	(Hz)	Width (s)	Spacing (s)	Spacing (s)	Location (s)
1	1	10M	53.9u	-	-	816.1m
2	2	14M	95.6u	965.4u	-	88.39m
3	2	19M	90.1u	1.276m	-	283.4m
4	3	13M	65.4u	1.764m	1.875m	190.4m
5	1	5M	68.2u	-	-	749.2m
6	2	9M	63.0u	1.839m	-	128.1m
7	2	10M	77.5u	1.561m	-	85.13m
8	3	18M	88.5u	1.200m	1.899m	29.66m
9	2	9M	82.4u	1.507m	-	145.9m
10	2	10M	88.8u	1.867m	-	483.5m
11	2	16M	94.1u	1.662m	-	198.1m
12	2	10M	80.7u	1.459m	-	241.8m
13	1	9M	60.2u	-	-	406.2m
14	1	18M	91.3u	-	-	274.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_11						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	79.5u	1.129m	-	926.6m
2	3	6M	66.4u	1.366m	1.586m	327.5m
3	1	13M	77.6u	-	-	846.1m
4	2	19M	73.8u	1.605m	-	829.5m
5	3	11M	63.4u	1.849m	1.545m	407.6m
6	2	17M	60.8u	992.2u	-	359.9m
7	2	17M	64.9u	1.629m	-	500.3m
8	2	6M	71.7u	1.406m	-	235.6m
9	2	14M	80.4u	1.899m	-	281.2m
10	3	14M	85.0u	1.679m	1.232m	403.6m
11	2	13M	66.2u	1.323m	-	29.79m
12	2	14M	78.8u	1.386m	-	870.3m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_12						
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	7M	59.8u	1.644m	-	645.4m
2	1	6M	58.5u	-	-	349.4m
3	2	11M	56.8u	1.938m	-	346.2m
4	1	16M	87.7u	-	-	586.7m
5	3	19M	81.3u	1.340m	1.520m	3.454m
6	2	6M	87.2u	1.521m	-	230.9m
7	2	15M	65.6u	1.685m	-	628.2m
8	2	5M	67.3u	1.858m	-	546.0m
9	2	14M	73.1u	1.624m	-	463.1m
10	2	8M	81.1u	1.685m	-	414.5m
11	3	16M	92.0u	1.728m	1.612m	48.60m
12	2	8M	90.0u	1.623m	-	143.0m
13	1	5M	94.9u	-	-	646.7m
14	2	10M	71.0u	1.284m	-	263.0m
15	2	9M	89.9u	1.868m	-	412.7m
16	2	15M	68.3u	1.618m	-	364.0m
17	2	19M	99.5u	1.298m	-	368.0m
18	1	17M	97.2u	-	-	42.09m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_13						
Number of Bursts in Trial: 11						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	79.3u	1.135m	-	616.0u
2	2	5M	68.6u	1.419m	-	37.61m
3	2	13M	99.7u	968.3u	-	48.33m
4	2	11M	74.0u	1.200m	-	330.6m
5	1	11M	86.3u	-	-	293.8m

6	3	18M	62.2u	1.265m	1.899m	898.0m
7	2	17M	76.5u	1.826m	-	1.068
8	2	16M	55.0u	1.040m	-	1.013
9	2	15M	55.7u	1.800m	-	580.7m
10	1	17M	74.6u	-	-	673.9m
11	3	8M	99.8u	927.2u	1.013m	437.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_14						
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	8M	66.8u	1.701m	-	474.1m
2	1	8M	70.2u	-	-	31.40m
3	2	13M	62.4u	1.588m	-	90.48m
4	3	6M	87.8u	1.363m	1.626m	355.1m
5	2	19M	90.5u	1.525m	-	310.3m
6	2	10M	77.3u	1.422m	-	488.3m
7	3	16M	67.9u	1.249m	1.645m	642.1m
8	3	16M	80.3u	1.487m	1.570m	685.2m
9	1	7M	70.4u	-	-	206.2m
10	3	9M	56.9u	1.634m	1.729m	545.2m
11	2	15M	66.7u	1.151m	-	34.25m
12	2	12M	84.2u	1.045m	-	86.00m
13	2	10M	59.2u	1.051m	-	394.7m
14	2	7M	66.8u	1.343m	-	304.6m
15	2	17M	99.9u	1.837m	-	92.83m
16	1	14M	54.0u	-	-	260.9m
17	2	7M	96.6u	1.521m	-	211.3m

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	1	17M	54.8u	-	-	568.2m
2	2	8M	80.7u	1.597m	-	420.0m
3	2	20M	96.8u	987.2u	-	844.0u
4	2	12M	53.0u	1.502m	-	672.9m
5	2	18M	61.6u	1.140m	-	964.9m
6	2	9M	57.0u	1.175m	-	968.9m
7	1	7M	79.9u	-	-	194.2m
8	1	7M	70.8u	-	-	341.4m
9	2	16M	68.1u	1.118m	-	170.2m
10	2	5M	95.5u	1.880m	-	30.68m
11	2	11M	61.6u	1.934m	-	583.8m
12	2	15M	52.5u	1.296m	-	563.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_16						
Number of Bursts in Trial: 17						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	58.4u	1.938m	1.296m	187.4m
2	3	17M	78.9u	1.148m	1.360m	375.4m
3	3	9M	73.1u	1.891m	1.366m	454.0m
4	3	8M	95.2u	1.297m	1.768m	119.8m
5	2	13M	92.3u	1.742m	-	271.4m
6	1	12M	96.8u	-	-	116.9m
7	2	16M	82.1u	1.368m	-	221.2m
8	1	7M	59.0u	-	-	480.6m
9	1	17M	81.4u	-	-	272.4m
10	2	14M	89.7u	1.898m	-	185.0m
11	3	10M	55.9u	1.038m	1.457m	267.0m
12	2	18M	77.5u	923.5u	-	299.0m
13	2	17M	73.7u	1.360m	-	649.6m
14	1	6M	65.8u	-	-	228.7m
15	2	15M	90.6u	1.052m	-	546.3m
16	2	20M	65.2u	1.666m	-	234.3m
17	2	10M	87.0u	1.890m	-	353.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_17						
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	19M	87.8u	1.113m	-	86.73m
2	1	19M	61.4u	-	-	23.02m
3	2	14M	91.3u	1.546m	-	886.9m
4	1	19M	51.5u	-	-	765.3m
5	1	9M	78.9u	-	-	1.042
6	3	14M	51.3u	1.295m	1.798m	39.37m
7	3	9M	64.9u	1.041m	1.149m	1.132
8	3	5M	93.6u	942.4u	1.373m	67.64m
9	3	5M	99.1u	958.9u	1.562m	751.5m
10	2	7M	85.9u	1.056m	-	295.3m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_18						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	85.3u	1.712m	-	611.9m
2	2	19M	98.7u	1.521m	-	235.6m
3	2	19M	95.6u	1.024m	-	561.2m
4	2	14M	59.4u	1.829m	-	69.48m
5	2	12M	76.0u	1.199m	-	133.3m
6	2	16M	78.6u	1.156m	-	488.5m
7	2	12M	86.7u	1.503m	-	17.18m
8	2	7M	93.8u	1.023m	-	230.4m
9	3	5M	84.6u	1.433m	1.037m	23.74m
10	1	14M	84.6u	-	-	137.7m
11	3	10M	79.4u	933.6u	1.306m	24.74m
12	2	7M	67.4u	1.312m	-	540.6m
13	2	17M	69.0u	1.812m	-	260.4m
14	3	6M	95.2u	1.457m	1.545m	107.6m

15	2	7M	63.3u	1.256m	-	255.6m
16	1	10M	81.7u	-	-	452.9m
17	3	10M	83.1u	1.478m	1.789m	270.6m
18	2	7M	77.6u	1.047m	-	376.6m
19	2	15M	53.0u	1.490m	-	293.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_19						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	9M	77.1u	1.250m	1.540m	643.2m
2	2	14M	78.0u	923.0u	-	406.4m
3	1	19M	81.3u	-	-	238.8m
4	1	5M	92.4u	-	-	51.91m
5	3	19M	65.1u	1.085m	1.262m	366.4m
6	1	16M	96.0u	-	-	572.5m
7	1	16M	98.0u	-	-	405.5m
8	3	20M	94.2u	1.031m	1.790m	17.21m
9	2	20M	87.3u	1.797m	-	484.7m
10	1	9M	63.6u	-	-	578.7m
11	3	18M	55.1u	1.434m	1.915m	569.2m
12	2	7M	92.7u	1.528m	-	274.8m
13	1	18M	94.5u	-	-	169.0m
14	1	14M	95.5u	-	-	264.9m
15	2	12M	83.1u	1.173m	-	179.8m
16	2	17M	58.5u	1.093m	-	521.2m
17	3	8M	83.9u	1.505m	1.337m	272.6m
18	2	14M	55.1u	1.328m	-	599.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_20						
Number of Bursts in Trial: 20						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)

1	2	16M	71.9u	1.033m	-	210.6m
2	1	15M	70.2u	-	-	588.8m
3	3	18M	91.6u	985.4u	1.076m	547.8m
4	2	19M	84.7u	1.227m	-	168.1m
5	2	20M	54.1u	1.144m	-	122.6m
6	3	8M	72.1u	1.928m	1.118m	462.8m
7	1	16M	95.9u	-	-	11.54m
8	1	14M	66.4u	-	-	355.8m
9	2	15M	85.2u	1.261m	-	44.89m
10	3	11M	50.5u	1.278m	1.497m	23.69m
11	1	8M	78.8u	-	-	346.7m
12	1	13M	51.9u	-	-	482.1m
13	3	7M	78.7u	1.478m	1.622m	82.30m
14	2	18M	90.1u	1.721m	-	262.9m
15	2	9M	91.6u	1.334m	-	92.26m
16	3	10M	87.1u	1.836m	1.424m	54.17m
17	2	10M	76.8u	1.793m	-	114.5m
18	1	19M	73.3u	-	-	565.7m
19	3	16M	89.3u	1.038m	963.7u	9.813m
20	3	17M	60.4u	971.6u	1.245m	567.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_21						
Number of Bursts in Trial: 11						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	74.7u	1.633m	-	273.5m
2	2	10M	55.4u	1.535m	-	218.6m
3	3	11M	90.9u	1.845m	952.1u	15.95m
4	3	13M	56.5u	1.367m	1.912m	281.8m
5	1	6M	81.4u	-	-	1.006
6	3	8M	50.2u	1.738m	1.753m	911.8m
7	2	19M	85.1u	1.802m	-	454.4m
8	2	10M	72.0u	1.122m	-	864.1m
9	2	9M	56.2u	1.769m	-	370.5m
10	1	9M	97.5u	-	-	1.034

11	2	7M	69.6u	1.332m	-	576.8m
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Long Pulse Radar Test Signal Test Signal Name: LP_Signal_22 Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	98.3u	1.698m	1.577m	302.6m
2	2	14M	83.9u	923.1u	-	177.7m
3	2	7M	64.8u	1.705m	-	107.6m
4	3	17M	64.7u	1.131m	1.221m	694.2m
5	1	19M	72.4u	-	-	58.36m
6	2	7M	89.8u	1.581m	-	11.22m
7	2	11M	97.7u	907.3u	-	667.3m
8	1	5M	71.5u	-	-	110.6m
9	1	19M	97.1u	-	-	443.4m
10	1	11M	53.7u	-	-	90.17m
11	3	6M	70.5u	1.889m	1.797m	640.8m
12	2	14M	90.8u	1.696m	-	273.4m
13	3	9M	53.7u	996.3u	1.619m	144.2m
14	1	6M	84.8u	-	-	733.8m
15	2	11M	59.1u	1.165m	-	453.6m
16	1	15M	77.6u	-	-	718.1m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_23 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	62.7u	1.421m	1.513m	247.7m
2	3	20M	61.1u	1.827m	961.9u	209.3m
3	2	13M	61.4u	1.054m	-	206.9m
4	2	8M	88.3u	1.128m	-	319.1m
5	1	5M	86.0u	-	-	417.5m
6	2	13M	85.8u	1.410m	-	900.2m

7	1	20M	95.5u	-	-	1.063
8	1	13M	70.8u	-	-	12.48m
9	2	6M	90.4u	1.085m	-	488.4m
10	1	13M	84.3u	-	-	248.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_24						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	75.9u	1.108m	-	367.9m
2	2	7M	74.1u	1.735m	-	556.7m
3	3	15M	99.5u	1.762m	1.826m	423.4m
4	2	17M	72.2u	1.114m	-	390.9m
5	3	19M	90.2u	1.327m	1.172m	164.0m
6	1	16M	98.6u	-	-	514.7m
7	2	12M	99.2u	1.831m	-	242.0m
8	3	11M	97.3u	1.311m	1.409m	257.8m
9	2	13M	76.4u	1.270m	-	232.1m
10	2	7M	72.4u	1.379m	-	196.5m
11	1	6M	57.7u	-	-	45.27m
12	2	13M	94.6u	933.4u	-	33.15m
13	2	13M	54.4u	1.366m	-	282.4m
14	1	17M	68.2u	-	-	429.4m
15	1	9M	58.0u	-	-	544.2m
16	1	11M	69.8u	-	-	400.9m
17	3	11M	95.6u	1.813m	1.377m	51.55m
18	3	11M	99.4u	1.864m	1.074m	449.2m
19	3	15M	71.5u	1.569m	1.083m	36.84m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_25						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)

1	2	16M	59.0u	1.109m	-	188.1m
2	2	11M	83.3u	1.478m	-	576.7m
3	2	7M	54.0u	1.655m	-	318.0m
4	3	15M	61.7u	1.367m	1.397m	674.1m
5	2	18M	92.2u	1.141m	-	596.8m
6	2	14M	62.9u	1.742m	-	491.2m
7	1	6M	93.2u	-	-	646.5m
8	3	12M	50.5u	1.633m	1.316m	94.25m
9	2	11M	52.6u	1.579m	-	717.1m
10	2	8M	97.9u	1.457m	-	348.3m
11	2	8M	68.7u	1.803m	-	33.04m
12	2	13M	90.2u	1.390m	-	169.9m
13	2	6M	81.7u	1.023m	-	237.0m
14	2	7M	74.2u	1.757m	-	332.8m
15	2	11M	81.2u	1.117m	-	773.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_26						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	10M	56.0u	-	-	500.6m
2	1	15M	54.4u	-	-	221.8m
3	2	17M	94.2u	1.577m	-	308.5m
4	1	6M	80.8u	-	-	614.9m
5	3	6M	67.6u	1.478m	1.544m	247.3m
6	2	11M	78.4u	1.911m	-	386.5m
7	3	11M	64.4u	1.893m	1.875m	415.4m
8	2	7M	61.0u	1.621m	-	428.7m
9	2	15M	56.2u	1.530m	-	596.2m
10	1	6M	66.6u	-	-	372.8m
11	1	8M	73.7u	-	-	512.8m
12	2	9M	69.0u	1.222m	-	324.8m
13	2	19M	93.9u	1.680m	-	300.1m
14	2	7M	89.4u	1.461m	-	197.4m
15	2	16M	98.4u	1.382m	-	471.5m

16	1	12M	65.2u	-	-	28.80m
17	3	15M	62.2u	1.484m	1.566m	119.3m
18	3	6M	54.8u	1.723m	1.357m	145.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_27						
Number of Bursts in Trial: 17						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	72.4u	945.6u	-	352.7m
2	1	6M	82.0u	-	-	690.1m
3	2	6M	58.4u	1.336m	-	485.4m
4	2	13M	53.1u	1.842m	-	579.7m
5	2	5M	74.5u	942.5u	-	489.9m
6	3	16M	61.1u	1.880m	1.939m	197.9m
7	2	6M	75.4u	1.408m	-	215.4m
8	1	6M	99.7u	-	-	152.1m
9	1	10M	71.1u	-	-	10.28m
10	1	10M	54.6u	-	-	373.7m
11	3	19M	52.5u	1.229m	1.001m	316.7m
12	3	17M	51.5u	1.861m	1.929m	606.3m
13	2	9M	57.1u	1.065m	-	655.9m
14	1	16M	86.8u	-	-	552.1m
15	2	9M	57.4u	1.835m	-	234.8m
16	1	8M	99.2u	-	-	366.5m
17	3	19M	55.4u	1.444m	1.641m	536.5m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_28						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	95.7u	-	-	755.6m
2	3	10M	93.9u	1.233m	1.606m	433.0m
3	2	13M	74.3u	1.785m	-	722.4m

4	2	19M	83.3u	1.054m	-	678.0m
5	2	14M	50.9u	1.588m	-	968.3m
6	2	18M	83.8u	1.343m	-	577.7m
7	1	19M	89.0u	-	-	1.137
8	2	8M	76.1u	1.423m	-	739.6m
9	2	14M	96.3u	1.362m	-	925.9m
10	3	6M	51.3u	1.597m	1.547m	670.4m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_29						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	59.3u	1.253m	-	708.5m
2	2	12M	97.0u	1.445m	-	742.5m
3	3	17M	76.8u	1.659m	1.697m	1.052
4	2	12M	76.5u	1.197m	-	266.1m
5	2	7M	87.7u	1.157m	-	1.141
6	2	11M	97.5u	1.877m	-	386.3m
7	2	16M	61.5u	1.240m	-	216.2m
8	2	19M	59.1u	1.088m	-	656.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_30						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	79.1u	1.067m	-	1.417
2	3	12M	67.5u	1.638m	1.670m	527.0m
3	2	14M	52.1u	1.816m	-	1.255
4	3	15M	93.8u	1.283m	1.869m	561.6m
5	2	15M	50.2u	1.504m	-	646.7m
6	2	13M	61.3u	1.584m	-	1.298
7	1	7M	51.4u	-	-	1.073
8	2	18M	60.3u	1.810m	-	845.7m

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	No
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	No
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	No
				Detection Rate: 90.0 %

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	No
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	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	No
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	No
Detection Rate: 90.0 %		

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.668G	2	5.585G	3	5.616G	4	5.450G
5	5.457G	6	5.482G	7	5.475G	8	5.288G
9	5.411G	10	5.697G	11	5.722G	12	5.645G
13	5.336G	14	5.263G	15	5.693G	16	5.469G
17	5.654G	18	5.685G	19	5.614G	20	5.464G
21	5.608G	22	5.595G	23	5.272G	24	5.473G
25	5.540G	26	5.427G	27	5.489G	28	5.413G
29	5.721G	30	5.472G	31	5.470G	32	5.716G
33	5.571G	34	5.596G	35	5.532G	36	5.723G
37	5.298G	38	5.545G	39	5.630G	40	5.549G
41	5.481G	42	5.506G	43	5.380G	44	5.279G
45	5.468G	46	5.307G	47	5.679G	48	5.557G
49	5.644G	50	5.655G	51	5.261G	52	5.594G
53	5.618G	54	5.260G	55	5.455G	56	5.724G
57	5.493G	58	5.678G	59	5.529G	60	5.334G
61	5.651G	62	5.342G	63	5.638G	64	5.485G
65	5.444G	66	5.533G	67	5.646G	68	5.369G
69	5.335G	70	5.387G	71	5.672G	72	5.649G
73	5.407G	74	5.560G	75	5.309G	76	5.626G
77	5.580G	78	5.452G	79	5.353G	80	5.495G
81	5.287G	82	5.265G	83	5.458G	84	5.434G
85	5.451G	86	5.612G	87	5.516G	88	5.633G
89	5.368G	90	5.517G	91	5.316G	92	5.388G
93	5.431G	94	5.708G	95	5.584G	96	5.276G
97	5.421G	98	5.625G	99	5.286G	100	5.330G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.437G	2	5.683G	3	5.458G	4	5.565G
5	5.553G	6	5.374G	7	5.554G	8	5.454G
9	5.635G	10	5.337G	11	5.480G	12	5.391G
13	5.376G	14	5.371G	15	5.433G	16	5.647G
17	5.621G	18	5.517G	19	5.338G	20	5.555G

21	5.477G	22	5.523G	23	5.441G	24	5.646G
25	5.432G	26	5.283G	27	5.654G	28	5.684G
29	5.468G	30	5.476G	31	5.257G	32	5.368G
33	5.255G	34	5.676G	35	5.605G	36	5.592G
37	5.626G	38	5.664G	39	5.650G	40	5.709G
41	5.398G	42	5.715G	43	5.287G	44	5.462G
45	5.594G	46	5.559G	47	5.419G	48	5.691G
49	5.638G	50	5.668G	51	5.394G	52	5.395G
53	5.411G	54	5.486G	55	5.267G	56	5.583G
57	5.704G	58	5.473G	59	5.558G	60	5.298G
61	5.549G	62	5.343G	63	5.686G	64	5.511G
65	5.721G	66	5.291G	67	5.537G	68	5.253G
69	5.435G	70	5.359G	71	5.292G	72	5.431G
73	5.456G	74	5.449G	75	5.617G	76	5.330G
77	5.305G	78	5.533G	79	5.713G	80	5.385G
81	5.355G	82	5.358G	83	5.649G	84	5.604G
85	5.260G	86	5.354G	87	5.614G	88	5.335G
89	5.548G	90	5.386G	91	5.497G	92	5.590G
93	5.544G	94	5.250G	95	5.679G	96	5.329G
97	5.689G	98	5.479G	99	5.693G	100	5.348G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.527G	2	5.313G	3	5.330G	4	5.434G
5	5.405G	6	5.253G	7	5.722G	8	5.533G
9	5.594G	10	5.308G	11	5.322G	12	5.416G
13	5.321G	14	5.665G	15	5.630G	16	5.266G
17	5.397G	18	5.328G	19	5.419G	20	5.445G
21	5.518G	22	5.609G	23	5.252G	24	5.402G
25	5.361G	26	5.417G	27	5.669G	28	5.408G
29	5.724G	30	5.534G	31	5.435G	32	5.411G
33	5.359G	34	5.576G	35	5.612G	36	5.567G
37	5.642G	38	5.475G	39	5.573G	40	5.680G
41	5.337G	42	5.647G	43	5.587G	44	5.335G
45	5.714G	46	5.470G	47	5.650G	48	5.496G
49	5.464G	50	5.721G	51	5.624G	52	5.673G

53	5.344G	54	5.633G	55	5.354G	56	5.494G
57	5.637G	58	5.651G	59	5.690G	60	5.559G
61	5.455G	62	5.507G	63	5.364G	64	5.639G
65	5.346G	66	5.336G	67	5.363G	68	5.459G
69	5.552G	70	5.350G	71	5.617G	72	5.250G
73	5.602G	74	5.550G	75	5.703G	76	5.286G
77	5.370G	78	5.526G	79	5.515G	80	5.420G
81	5.292G	82	5.492G	83	5.571G	84	5.664G
85	5.689G	86	5.482G	87	5.491G	88	5.589G
89	5.538G	90	5.255G	91	5.342G	92	5.488G
93	5.433G	94	5.625G	95	5.585G	96	5.436G
97	5.626G	98	5.257G	99	5.409G	100	5.566G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.422G	2	5.702G	3	5.494G	4	5.600G
5	5.279G	6	5.684G	7	5.606G	8	5.699G
9	5.522G	10	5.499G	11	5.295G	12	5.443G
13	5.307G	14	5.331G	15	5.361G	16	5.698G
17	5.714G	18	5.673G	19	5.458G	20	5.596G
21	5.521G	22	5.270G	23	5.659G	24	5.637G
25	5.441G	26	5.369G	27	5.538G	28	5.362G
29	5.274G	30	5.584G	31	5.271G	32	5.661G
33	5.306G	34	5.666G	35	5.346G	36	5.627G
37	5.294G	38	5.697G	39	5.513G	40	5.700G
41	5.444G	42	5.424G	43	5.381G	44	5.720G
45	5.678G	46	5.503G	47	5.579G	48	5.280G
49	5.425G	50	5.374G	51	5.593G	52	5.639G
53	5.665G	54	5.480G	55	5.259G	56	5.709G
57	5.377G	58	5.583G	59	5.568G	60	5.300G
61	5.384G	62	5.615G	63	5.655G	64	5.519G
65	5.356G	66	5.573G	67	5.460G	68	5.373G
69	5.571G	70	5.554G	71	5.493G	72	5.549G
73	5.258G	74	5.575G	75	5.531G	76	5.640G
77	5.256G	78	5.517G	79	5.414G	80	5.296G
81	5.586G	82	5.355G	83	5.520G	84	5.674G

85	5.297G	86	5.330G	87	5.284G	88	5.592G
89	5.298G	90	5.290G	91	5.337G	92	5.391G
93	5.694G	94	5.281G	95	5.545G	96	5.686G
97	5.492G	98	5.704G	99	5.695G	100	5.542G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.438G	2	5.700G	3	5.285G	4	5.280G
5	5.592G	6	5.619G	7	5.582G	8	5.571G
9	5.716G	10	5.606G	11	5.503G	12	5.668G
13	5.515G	14	5.321G	15	5.505G	16	5.523G
17	5.611G	18	5.382G	19	5.483G	20	5.256G
21	5.607G	22	5.395G	23	5.661G	24	5.542G
25	5.560G	26	5.319G	27	5.512G	28	5.696G
29	5.431G	30	5.623G	31	5.412G	32	5.363G
33	5.627G	34	5.531G	35	5.416G	36	5.253G
37	5.452G	38	5.615G	39	5.335G	40	5.448G
41	5.588G	42	5.456G	43	5.397G	44	5.609G
45	5.401G	46	5.497G	47	5.603G	48	5.301G
49	5.561G	50	5.344G	51	5.420G	52	5.268G
53	5.548G	54	5.476G	55	5.393G	56	5.600G
57	5.602G	58	5.384G	59	5.467G	60	5.468G
61	5.380G	62	5.352G	63	5.655G	64	5.642G
65	5.265G	66	5.711G	67	5.480G	68	5.441G
69	5.458G	70	5.383G	71	5.663G	72	5.479G
73	5.327G	74	5.415G	75	5.477G	76	5.254G
77	5.714G	78	5.255G	79	5.373G	80	5.355G
81	5.274G	82	5.264G	83	5.460G	84	5.620G
85	5.586G	86	5.486G	87	5.437G	88	5.493G
89	5.279G	90	5.564G	91	5.351G	92	5.389G
93	5.406G	94	5.670G	95	5.261G	96	5.348G
97	5.601G	98	5.641G	99	5.257G	100	5.551G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)

1	5.547G	2	5.390G	3	5.313G	4	5.320G
5	5.452G	6	5.538G	7	5.358G	8	5.337G
9	5.707G	10	5.432G	11	5.609G	12	5.598G
13	5.278G	14	5.723G	15	5.306G	16	5.708G
17	5.669G	18	5.691G	19	5.271G	20	5.656G
21	5.260G	22	5.525G	23	5.652G	24	5.402G
25	5.461G	26	5.507G	27	5.722G	28	5.436G
29	5.467G	30	5.310G	31	5.315G	32	5.511G
33	5.646G	34	5.553G	35	5.582G	36	5.357G
37	5.523G	38	5.698G	39	5.298G	40	5.667G
41	5.346G	42	5.466G	43	5.533G	44	5.599G
45	5.606G	46	5.399G	47	5.693G	48	5.300G
49	5.585G	50	5.690G	51	5.463G	52	5.625G
53	5.472G	54	5.654G	55	5.591G	56	5.499G
57	5.643G	58	5.710G	59	5.356G	60	5.430G
61	5.628G	62	5.476G	63	5.268G	64	5.513G
65	5.518G	66	5.719G	67	5.322G	68	5.704G
69	5.579G	70	5.426G	71	5.671G	72	5.612G
73	5.359G	74	5.700G	75	5.350G	76	5.717G
77	5.261G	78	5.645G	79	5.644G	80	5.676G
81	5.443G	82	5.400G	83	5.286G	84	5.687G
85	5.527G	86	5.489G	87	5.575G	88	5.668G
89	5.301G	90	5.427G	91	5.469G	92	5.477G
93	5.341G	94	5.712G	95	5.531G	96	5.288G
97	5.537G	98	5.334G	99	5.655G	100	5.462G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.465G	2	5.674G	3	5.412G	4	5.250G
5	5.615G	6	5.542G	7	5.675G	8	5.256G
9	5.535G	10	5.564G	11	5.687G	12	5.439G
13	5.651G	14	5.372G	15	5.476G	16	5.698G
17	5.270G	18	5.661G	19	5.483G	20	5.481G
21	5.473G	22	5.405G	23	5.393G	24	5.639G
25	5.361G	26	5.400G	27	5.607G	28	5.273G
29	5.685G	30	5.652G	31	5.580G	32	5.362G

33	5.578G	34	5.567G	35	5.328G	36	5.643G
37	5.519G	38	5.356G	39	5.300G	40	5.665G
41	5.507G	42	5.253G	43	5.601G	44	5.625G
45	5.414G	46	5.647G	47	5.706G	48	5.291G
49	5.398G	50	5.366G	51	5.605G	52	5.317G
53	5.723G	54	5.454G	55	5.392G	56	5.338G
57	5.624G	58	5.668G	59	5.401G	60	5.404G
61	5.423G	62	5.676G	63	5.297G	64	5.597G
65	5.260G	66	5.342G	67	5.499G	68	5.422G
69	5.377G	70	5.642G	71	5.262G	72	5.630G
73	5.495G	74	5.633G	75	5.618G	76	5.399G
77	5.667G	78	5.547G	79	5.287G	80	5.631G
81	5.715G	82	5.493G	83	5.546G	84	5.387G
85	5.388G	86	5.511G	87	5.308G	88	5.494G
89	5.349G	90	5.513G	91	5.614G	92	5.663G
93	5.538G	94	5.566G	95	5.281G	96	5.396G
97	5.357G	98	5.265G	99	5.691G	100	5.712G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.468G	2	5.398G	3	5.332G	4	5.452G
5	5.309G	6	5.327G	7	5.382G	8	5.426G
9	5.573G	10	5.568G	11	5.599G	12	5.587G
13	5.281G	14	5.706G	15	5.427G	16	5.254G
17	5.687G	18	5.469G	19	5.264G	20	5.591G
21	5.282G	22	5.463G	23	5.455G	24	5.487G
25	5.494G	26	5.508G	27	5.425G	28	5.393G
29	5.690G	30	5.402G	31	5.477G	32	5.617G
33	5.280G	34	5.330G	35	5.578G	36	5.391G
37	5.338G	38	5.390G	39	5.404G	40	5.643G
41	5.629G	42	5.664G	43	5.523G	44	5.451G
45	5.718G	46	5.699G	47	5.430G	48	5.256G
49	5.677G	50	5.433G	51	5.486G	52	5.584G
53	5.521G	54	5.356G	55	5.659G	56	5.624G
57	5.294G	58	5.556G	59	5.467G	60	5.499G
61	5.552G	62	5.300G	63	5.675G	64	5.666G

65	5.550G	66	5.696G	67	5.385G	68	5.684G
69	5.361G	70	5.500G	71	5.255G	72	5.498G
73	5.305G	74	5.358G	75	5.311G	76	5.497G
77	5.716G	78	5.299G	79	5.357G	80	5.670G
81	5.325G	82	5.449G	83	5.695G	84	5.466G
85	5.572G	86	5.324G	87	5.667G	88	5.692G
89	5.377G	90	5.435G	91	5.549G	92	5.333G
93	5.496G	94	5.538G	95	5.423G	96	5.662G
97	5.618G	98	5.609G	99	5.717G	100	5.263G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.700G	2	5.723G	3	5.476G	4	5.374G
5	5.408G	6	5.339G	7	5.699G	8	5.631G
9	5.434G	10	5.683G	11	5.389G	12	5.608G
13	5.577G	14	5.401G	15	5.409G	16	5.351G
17	5.703G	18	5.709G	19	5.337G	20	5.429G
21	5.612G	22	5.543G	23	5.672G	24	5.268G
25	5.716G	26	5.686G	27	5.695G	28	5.363G
29	5.582G	30	5.472G	31	5.717G	32	5.369G
33	5.394G	34	5.331G	35	5.604G	36	5.443G
37	5.525G	38	5.585G	39	5.684G	40	5.386G
41	5.306G	42	5.262G	43	5.435G	44	5.512G
45	5.370G	46	5.622G	47	5.470G	48	5.676G
49	5.595G	50	5.426G	51	5.300G	52	5.520G
53	5.444G	54	5.263G	55	5.492G	56	5.517G
57	5.382G	58	5.293G	59	5.721G	60	5.489G
61	5.260G	62	5.441G	63	5.633G	64	5.265G
65	5.581G	66	5.385G	67	5.420G	68	5.310G
69	5.505G	70	5.504G	71	5.681G	72	5.414G
73	5.459G	74	5.421G	75	5.464G	76	5.527G
77	5.584G	78	5.482G	79	5.502G	80	5.515G
81	5.642G	82	5.417G	83	5.548G	84	5.284G
85	5.495G	86	5.333G	87	5.376G	88	5.613G
89	5.419G	90	5.449G	91	5.447G	92	5.480G
93	5.539G	94	5.589G	95	5.649G	96	5.529G

97	5.704G	98	5.334G	99	5.638G	100	5.559G
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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.375G	2	5.392G	3	5.613G	4	5.699G
5	5.342G	6	5.638G	7	5.456G	8	5.301G
9	5.517G	10	5.442G	11	5.379G	12	5.551G
13	5.665G	14	5.628G	15	5.324G	16	5.661G
17	5.297G	18	5.330G	19	5.486G	20	5.253G
21	5.639G	22	5.404G	23	5.315G	24	5.501G
25	5.703G	26	5.602G	27	5.615G	28	5.609G
29	5.635G	30	5.369G	31	5.311G	32	5.421G
33	5.416G	34	5.394G	35	5.683G	36	5.583G
37	5.592G	38	5.633G	39	5.274G	40	5.666G
41	5.546G	42	5.300G	43	5.380G	44	5.280G
45	5.464G	46	5.432G	47	5.295G	48	5.349G
49	5.478G	50	5.261G	51	5.579G	52	5.712G
53	5.489G	54	5.441G	55	5.360G	56	5.690G
57	5.671G	58	5.670G	59	5.494G	60	5.667G
61	5.504G	62	5.265G	63	5.262G	64	5.389G
65	5.561G	66	5.283G	67	5.508G	68	5.619G
69	5.632G	70	5.721G	71	5.412G	72	5.697G
73	5.352G	74	5.525G	75	5.459G	76	5.326G
77	5.337G	78	5.268G	79	5.499G	80	5.336G
81	5.503G	82	5.541G	83	5.649G	84	5.668G
85	5.269G	86	5.332G	87	5.287G	88	5.533G
89	5.434G	90	5.312G	91	5.316G	92	5.689G
93	5.497G	94	5.679G	95	5.426G	96	5.717G
97	5.276G	98	5.681G	99	5.673G	100	5.518G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.283G	2	5.509G	3	5.683G	4	5.570G
5	5.253G	6	5.641G	7	5.640G	8	5.552G
9	5.440G	10	5.365G	11	5.306G	12	5.341G

13	5.314G	14	5.292G	15	5.701G	16	5.272G
17	5.432G	18	5.627G	19	5.677G	20	5.467G
21	5.420G	22	5.587G	23	5.425G	24	5.317G
25	5.691G	26	5.528G	27	5.670G	28	5.356G
29	5.406G	30	5.666G	31	5.582G	32	5.347G
33	5.708G	34	5.459G	35	5.401G	36	5.505G
37	5.615G	38	5.643G	39	5.501G	40	5.471G
41	5.521G	42	5.537G	43	5.251G	44	5.596G
45	5.478G	46	5.491G	47	5.693G	48	5.479G
49	5.694G	50	5.686G	51	5.579G	52	5.568G
53	5.390G	54	5.722G	55	5.575G	56	5.265G
57	5.316G	58	5.377G	59	5.328G	60	5.333G
61	5.273G	62	5.332G	63	5.490G	64	5.630G
65	5.606G	66	5.476G	67	5.601G	68	5.534G
69	5.394G	70	5.414G	71	5.500G	72	5.721G
73	5.270G	74	5.357G	75	5.546G	76	5.649G
77	5.376G	78	5.423G	79	5.517G	80	5.400G
81	5.667G	82	5.646G	83	5.506G	84	5.704G
85	5.413G	86	5.381G	87	5.652G	88	5.408G
89	5.624G	90	5.279G	91	5.571G	92	5.470G
93	5.281G	94	5.554G	95	5.421G	96	5.437G
97	5.634G	98	5.698G	99	5.355G	100	5.481G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.267G	2	5.291G	3	5.342G	4	5.552G
5	5.380G	6	5.504G	7	5.644G	8	5.551G
9	5.666G	10	5.407G	11	5.631G	12	5.378G
13	5.532G	14	5.431G	15	5.594G	16	5.415G
17	5.269G	18	5.301G	19	5.308G	20	5.674G
21	5.449G	22	5.524G	23	5.698G	24	5.603G
25	5.491G	26	5.608G	27	5.653G	28	5.341G
29	5.423G	30	5.427G	31	5.373G	32	5.529G
33	5.372G	34	5.379G	35	5.724G	36	5.695G
37	5.273G	38	5.574G	39	5.459G	40	5.539G
41	5.564G	42	5.617G	43	5.689G	44	5.376G

45	5.274G	46	5.368G	47	5.471G	48	5.512G
49	5.647G	50	5.289G	51	5.265G	52	5.592G
53	5.467G	54	5.679G	55	5.329G	56	5.287G
57	5.526G	58	5.305G	59	5.332G	60	5.547G
61	5.521G	62	5.473G	63	5.488G	64	5.307G
65	5.709G	66	5.618G	67	5.359G	68	5.533G
69	5.316G	70	5.268G	71	5.276G	72	5.392G
73	5.442G	74	5.346G	75	5.527G	76	5.541G
77	5.466G	78	5.616G	79	5.330G	80	5.595G
81	5.506G	82	5.304G	83	5.571G	84	5.349G
85	5.377G	86	5.580G	87	5.347G	88	5.569G
89	5.581G	90	5.278G	91	5.558G	92	5.413G
93	5.472G	94	5.419G	95	5.409G	96	5.434G
97	5.650G	98	5.420G	99	5.453G	100	5.691G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.676G	2	5.375G	3	5.460G	4	5.681G
5	5.644G	6	5.671G	7	5.258G	8	5.520G
9	5.696G	10	5.608G	11	5.564G	12	5.636G
13	5.689G	14	5.680G	15	5.416G	16	5.708G
17	5.514G	18	5.287G	19	5.638G	20	5.470G
21	5.260G	22	5.677G	23	5.687G	24	5.341G
25	5.339G	26	5.637G	27	5.272G	28	5.667G
29	5.692G	30	5.541G	31	5.346G	32	5.623G
33	5.688G	34	5.685G	35	5.252G	36	5.380G
37	5.563G	38	5.585G	39	5.669G	40	5.481G
41	5.713G	42	5.418G	43	5.453G	44	5.480G
45	5.383G	46	5.595G	47	5.611G	48	5.666G
49	5.451G	50	5.651G	51	5.292G	52	5.428G
53	5.472G	54	5.660G	55	5.264G	56	5.255G
57	5.488G	58	5.683G	59	5.469G	60	5.617G
61	5.317G	62	5.343G	63	5.300G	64	5.365G
65	5.478G	66	5.655G	67	5.631G	68	5.406G
69	5.654G	70	5.560G	71	5.267G	72	5.444G
73	5.265G	74	5.393G	75	5.682G	76	5.568G

77	5.390G	78	5.266G	79	5.557G	80	5.661G
81	5.519G	82	5.605G	83	5.695G	84	5.569G
85	5.446G	86	5.437G	87	5.662G	88	5.499G
89	5.419G	90	5.392G	91	5.424G	92	5.545G
93	5.434G	94	5.304G	95	5.397G	96	5.559G
97	5.399G	98	5.694G	99	5.493G	100	5.547G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.471G	2	5.340G	3	5.662G	4	5.668G
5	5.562G	6	5.480G	7	5.389G	8	5.501G
9	5.536G	10	5.615G	11	5.649G	12	5.627G
13	5.706G	14	5.477G	15	5.460G	16	5.418G
17	5.444G	18	5.626G	19	5.528G	20	5.473G
21	5.529G	22	5.282G	23	5.464G	24	5.364G
25	5.717G	26	5.659G	27	5.612G	28	5.411G
29	5.689G	30	5.443G	31	5.368G	32	5.436G
33	5.295G	34	5.509G	35	5.294G	36	5.677G
37	5.317G	38	5.620G	39	5.687G	40	5.542G
41	5.671G	42	5.648G	43	5.560G	44	5.563G
45	5.684G	46	5.307G	47	5.486G	48	5.370G
49	5.485G	50	5.670G	51	5.267G	52	5.538G
53	5.463G	54	5.455G	55	5.704G	56	5.691G
57	5.608G	58	5.432G	59	5.360G	60	5.449G
61	5.430G	62	5.399G	63	5.265G	64	5.553G
65	5.281G	66	5.270G	67	5.470G	68	5.516G
69	5.273G	70	5.579G	71	5.261G	72	5.567G
73	5.289G	74	5.558G	75	5.382G	76	5.422G
77	5.569G	78	5.259G	79	5.416G	80	5.572G
81	5.498G	82	5.393G	83	5.305G	84	5.548G
85	5.272G	86	5.555G	87	5.312G	88	5.391G
89	5.714G	90	5.511G	91	5.571G	92	5.703G
93	5.527G	94	5.533G	95	5.636G	96	5.700G
97	5.327G	98	5.693G	99	5.374G	100	5.595G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15
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SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.431G	2	5.644G	3	5.427G	4	5.613G
5	5.369G	6	5.348G	7	5.424G	8	5.605G
9	5.496G	10	5.354G	11	5.287G	12	5.266G
13	5.639G	14	5.319G	15	5.690G	16	5.459G
17	5.510G	18	5.425G	19	5.261G	20	5.721G
21	5.525G	22	5.552G	23	5.676G	24	5.616G
25	5.325G	26	5.602G	27	5.489G	28	5.581G
29	5.352G	30	5.437G	31	5.547G	32	5.514G
33	5.338G	34	5.568G	35	5.281G	36	5.256G
37	5.633G	38	5.723G	39	5.621G	40	5.397G
41	5.517G	42	5.481G	43	5.255G	44	5.464G
45	5.451G	46	5.402G	47	5.549G	48	5.385G
49	5.257G	50	5.335G	51	5.254G	52	5.600G
53	5.680G	54	5.700G	55	5.484G	56	5.252G
57	5.571G	58	5.487G	59	5.718G	60	5.353G
61	5.263G	62	5.629G	63	5.615G	64	5.432G
65	5.483G	66	5.292G	67	5.713G	68	5.647G
69	5.399G	70	5.604G	71	5.691G	72	5.720G
73	5.692G	74	5.250G	75	5.334G	76	5.269G
77	5.258G	78	5.527G	79	5.370G	80	5.344G
81	5.406G	82	5.417G	83	5.523G	84	5.412G
85	5.320G	86	5.364G	87	5.494G	88	5.374G
89	5.303G	90	5.498G	91	5.500G	92	5.667G
93	5.673G	94	5.270G	95	5.697G	96	5.620G
97	5.577G	98	5.462G	99	5.526G	100	5.389G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.289G	2	5.354G	3	5.481G	4	5.443G
5	5.359G	6	5.620G	7	5.687G	8	5.691G
9	5.252G	10	5.658G	11	5.502G	12	5.653G
13	5.623G	14	5.707G	15	5.678G	16	5.527G
17	5.340G	18	5.630G	19	5.598G	20	5.561G
21	5.266G	22	5.462G	23	5.539G	24	5.293G

25	5.540G	26	5.692G	27	5.425G	28	5.677G
29	5.680G	30	5.628G	31	5.376G	32	5.323G
33	5.263G	34	5.522G	35	5.555G	36	5.326G
37	5.645G	38	5.391G	39	5.582G	40	5.523G
41	5.291G	42	5.592G	43	5.352G	44	5.673G
45	5.590G	46	5.660G	47	5.424G	48	5.713G
49	5.302G	50	5.693G	51	5.370G	52	5.562G
53	5.301G	54	5.312G	55	5.449G	56	5.722G
57	5.483G	58	5.514G	59	5.684G	60	5.703G
61	5.310G	62	5.618G	63	5.282G	64	5.477G
65	5.488G	66	5.463G	67	5.393G	68	5.408G
69	5.669G	70	5.597G	71	5.654G	72	5.412G
73	5.253G	74	5.473G	75	5.594G	76	5.331G
77	5.284G	78	5.441G	79	5.357G	80	5.642G
81	5.381G	82	5.360G	83	5.559G	84	5.530G
85	5.317G	86	5.545G	87	5.271G	88	5.451G
89	5.534G	90	5.379G	91	5.250G	92	5.554G
93	5.446G	94	5.400G	95	5.347G	96	5.429G
97	5.605G	98	5.314G	99	5.498G	100	5.333G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.474G	2	5.718G	3	5.717G	4	5.594G
5	5.507G	6	5.250G	7	5.516G	8	5.496G
9	5.430G	10	5.415G	11	5.551G	12	5.388G
13	5.539G	14	5.368G	15	5.255G	16	5.251G
17	5.333G	18	5.622G	19	5.276G	20	5.373G
21	5.465G	22	5.460G	23	5.631G	24	5.480G
25	5.347G	26	5.419G	27	5.589G	28	5.624G
29	5.473G	30	5.358G	31	5.365G	32	5.456G
33	5.583G	34	5.686G	35	5.707G	36	5.418G
37	5.404G	38	5.299G	39	5.675G	40	5.472G
41	5.604G	42	5.387G	43	5.537G	44	5.657G
45	5.653G	46	5.566G	47	5.613G	48	5.269G
49	5.528G	50	5.664G	51	5.561G	52	5.359G
53	5.345G	54	5.399G	55	5.644G	56	5.621G

57	5.562G	58	5.626G	59	5.451G	60	5.709G
61	5.593G	62	5.280G	63	5.564G	64	5.400G
65	5.495G	66	5.590G	67	5.602G	68	5.585G
69	5.375G	70	5.556G	71	5.591G	72	5.271G
73	5.544G	74	5.487G	75	5.374G	76	5.314G
77	5.483G	78	5.328G	79	5.606G	80	5.525G
81	5.620G	82	5.481G	83	5.289G	84	5.603G
85	5.389G	86	5.609G	87	5.354G	88	5.542G
89	5.317G	90	5.554G	91	5.719G	92	5.302G
93	5.678G	94	5.497G	95	5.292G	96	5.615G
97	5.543G	98	5.464G	99	5.346G	100	5.576G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.407G	2	5.664G	3	5.309G	4	5.263G
5	5.319G	6	5.669G	7	5.372G	8	5.288G
9	5.658G	10	5.484G	11	5.443G	12	5.401G
13	5.568G	14	5.297G	15	5.464G	16	5.701G
17	5.454G	18	5.364G	19	5.409G	20	5.656G
21	5.286G	22	5.279G	23	5.561G	24	5.283G
25	5.266G	26	5.617G	27	5.550G	28	5.439G
29	5.723G	30	5.717G	31	5.467G	32	5.529G
33	5.571G	34	5.517G	35	5.349G	36	5.622G
37	5.535G	38	5.627G	39	5.665G	40	5.438G
41	5.657G	42	5.554G	43	5.361G	44	5.635G
45	5.296G	46	5.631G	47	5.644G	48	5.267G
49	5.641G	50	5.445G	51	5.304G	52	5.280G
53	5.642G	54	5.382G	55	5.534G	56	5.359G
57	5.387G	58	5.540G	59	5.440G	60	5.544G
61	5.256G	62	5.650G	63	5.655G	64	5.518G
65	5.597G	66	5.261G	67	5.402G	68	5.712G
69	5.471G	70	5.671G	71	5.704G	72	5.350G
73	5.527G	74	5.569G	75	5.648G	76	5.330G
77	5.424G	78	5.413G	79	5.384G	80	5.645G
81	5.318G	82	5.339G	83	5.689G	84	5.446G
85	5.684G	86	5.358G	87	5.564G	88	5.507G

89	5.444G	90	5.616G	91	5.693G	92	5.586G
93	5.432G	94	5.265G	95	5.475G	96	5.667G
97	5.508G	98	5.546G	99	5.435G	100	5.337G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.390G	2	5.297G	3	5.460G	4	5.628G
5	5.383G	6	5.349G	7	5.605G	8	5.486G
9	5.622G	10	5.490G	11	5.454G	12	5.652G
13	5.296G	14	5.299G	15	5.691G	16	5.502G
17	5.356G	18	5.399G	19	5.549G	20	5.461G
21	5.337G	22	5.262G	23	5.634G	24	5.682G
25	5.340G	26	5.571G	27	5.594G	28	5.343G
29	5.283G	30	5.559G	31	5.547G	32	5.621G
33	5.423G	34	5.694G	35	5.294G	36	5.658G
37	5.476G	38	5.377G	39	5.578G	40	5.575G
41	5.427G	42	5.670G	43	5.424G	44	5.688G
45	5.582G	46	5.535G	47	5.597G	48	5.395G
49	5.499G	50	5.351G	51	5.382G	52	5.268G
53	5.656G	54	5.326G	55	5.307G	56	5.564G
57	5.500G	58	5.678G	59	5.643G	60	5.662G
61	5.660G	62	5.273G	63	5.645G	64	5.695G
65	5.556G	66	5.451G	67	5.706G	68	5.339G
69	5.542G	70	5.702G	71	5.657G	72	5.636G
73	5.489G	74	5.625G	75	5.633G	76	5.599G
77	5.651G	78	5.506G	79	5.325G	80	5.524G
81	5.308G	82	5.589G	83	5.251G	84	5.419G
85	5.291G	86	5.665G	87	5.414G	88	5.713G
89	5.274G	90	5.271G	91	5.716G	92	5.381G
93	5.562G	94	5.278G	95	5.279G	96	5.280G
97	5.521G	98	5.544G	99	5.667G	100	5.302G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.388G	2	5.514G	3	5.706G	4	5.570G

5	5.355G	6	5.577G	7	5.478G	8	5.323G
9	5.250G	10	5.503G	11	5.507G	12	5.588G
13	5.444G	14	5.705G	15	5.449G	16	5.390G
17	5.615G	18	5.680G	19	5.440G	20	5.395G
21	5.255G	22	5.358G	23	5.520G	24	5.328G
25	5.665G	26	5.491G	27	5.373G	28	5.704G
29	5.668G	30	5.264G	31	5.701G	32	5.696G
33	5.717G	34	5.477G	35	5.346G	36	5.435G
37	5.619G	38	5.600G	39	5.548G	40	5.718G
41	5.628G	42	5.510G	43	5.345G	44	5.712G
45	5.479G	46	5.454G	47	5.627G	48	5.433G
49	5.673G	50	5.664G	51	5.469G	52	5.422G
53	5.266G	54	5.372G	55	5.354G	56	5.425G
57	5.357G	58	5.262G	59	5.257G	60	5.499G
61	5.722G	62	5.616G	63	5.512G	64	5.677G
65	5.678G	66	5.428G	67	5.461G	68	5.464G
69	5.251G	70	5.339G	71	5.389G	72	5.560G
73	5.252G	74	5.662G	75	5.646G	76	5.285G
77	5.322G	78	5.492G	79	5.552G	80	5.648G
81	5.515G	82	5.305G	83	5.487G	84	5.689G
85	5.691G	86	5.716G	87	5.365G	88	5.551G
89	5.301G	90	5.410G	91	5.686G	92	5.532G
93	5.699G	94	5.521G	95	5.660G	96	5.617G
97	5.602G	98	5.434G	99	5.638G	100	5.426G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.362G	2	5.414G	3	5.680G	4	5.695G
5	5.364G	6	5.478G	7	5.372G	8	5.263G
9	5.342G	10	5.357G	11	5.660G	12	5.408G
13	5.321G	14	5.467G	15	5.261G	16	5.406G
17	5.671G	18	5.294G	19	5.520G	20	5.264G
21	5.420G	22	5.693G	23	5.308G	24	5.400G
25	5.260G	26	5.529G	27	5.537G	28	5.611G
29	5.306G	30	5.389G	31	5.485G	32	5.482G
33	5.654G	34	5.303G	35	5.275G	36	5.619G

37	5.655G	38	5.558G	39	5.664G	40	5.398G
41	5.361G	42	5.472G	43	5.418G	44	5.667G
45	5.597G	46	5.302G	47	5.517G	48	5.413G
49	5.344G	50	5.684G	51	5.417G	52	5.341G
53	5.496G	54	5.589G	55	5.651G	56	5.649G
57	5.487G	58	5.301G	59	5.495G	60	5.498G
61	5.304G	62	5.677G	63	5.329G	64	5.432G
65	5.471G	66	5.337G	67	5.441G	68	5.359G
69	5.557G	70	5.331G	71	5.569G	72	5.300G
73	5.560G	74	5.451G	75	5.630G	76	5.278G
77	5.270G	78	5.504G	79	5.457G	80	5.570G
81	5.382G	82	5.437G	83	5.549G	84	5.314G
85	5.670G	86	5.396G	87	5.391G	88	5.316G
89	5.541G	90	5.605G	91	5.583G	92	5.310G
93	5.533G	94	5.395G	95	5.284G	96	5.450G
97	5.436G	98	5.469G	99	5.678G	100	5.378G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.490G	2	5.368G	3	5.412G	4	5.317G
5	5.717G	6	5.292G	7	5.267G	8	5.533G
9	5.462G	10	5.332G	11	5.711G	12	5.334G
13	5.658G	14	5.630G	15	5.451G	16	5.431G
17	5.657G	18	5.666G	19	5.489G	20	5.434G
21	5.392G	22	5.516G	23	5.580G	24	5.673G
25	5.454G	26	5.422G	27	5.613G	28	5.690G
29	5.255G	30	5.681G	31	5.251G	32	5.496G
33	5.446G	34	5.373G	35	5.635G	36	5.390G
37	5.488G	38	5.456G	39	5.261G	40	5.400G
41	5.517G	42	5.591G	43	5.655G	44	5.274G
45	5.675G	46	5.335G	47	5.568G	48	5.652G
49	5.723G	50	5.475G	51	5.522G	52	5.704G
53	5.523G	54	5.256G	55	5.552G	56	5.252G
57	5.521G	58	5.296G	59	5.701G	60	5.688G
61	5.377G	62	5.604G	63	5.435G	64	5.632G
65	5.466G	66	5.558G	67	5.567G	68	5.505G

69	5.444G	70	5.471G	71	5.665G	72	5.611G
73	5.288G	74	5.398G	75	5.720G	76	5.315G
77	5.338G	78	5.350G	79	5.529G	80	5.304G
81	5.369G	82	5.299G	83	5.301G	84	5.638G
85	5.678G	86	5.366G	87	5.509G	88	5.654G
89	5.504G	90	5.608G	91	5.329G	92	5.295G
93	5.631G	94	5.577G	95	5.508G	96	5.598G
97	5.576G	98	5.405G	99	5.590G	100	5.402G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.550G	2	5.535G	3	5.605G	4	5.671G
5	5.684G	6	5.641G	7	5.706G	8	5.389G
9	5.705G	10	5.506G	11	5.442G	12	5.426G
13	5.520G	14	5.461G	15	5.527G	16	5.347G
17	5.418G	18	5.644G	19	5.409G	20	5.382G
21	5.713G	22	5.510G	23	5.453G	24	5.715G
25	5.391G	26	5.356G	27	5.333G	28	5.317G
29	5.656G	30	5.677G	31	5.547G	32	5.276G
33	5.460G	34	5.273G	35	5.711G	36	5.686G
37	5.579G	38	5.598G	39	5.379G	40	5.420G
41	5.675G	42	5.583G	43	5.474G	44	5.504G
45	5.315G	46	5.353G	47	5.631G	48	5.505G
49	5.489G	50	5.388G	51	5.429G	52	5.648G
53	5.514G	54	5.481G	55	5.561G	56	5.526G
57	5.580G	58	5.603G	59	5.457G	60	5.339G
61	5.600G	62	5.349G	63	5.265G	64	5.578G
65	5.446G	66	5.263G	67	5.721G	68	5.502G
69	5.264G	70	5.325G	71	5.519G	72	5.490G
73	5.586G	74	5.689G	75	5.522G	76	5.565G
77	5.427G	78	5.307G	79	5.590G	80	5.620G
81	5.694G	82	5.354G	83	5.589G	84	5.390G
85	5.516G	86	5.665G	87	5.484G	88	5.275G
89	5.438G	90	5.573G	91	5.629G	92	5.518G
93	5.498G	94	5.419G	95	5.454G	96	5.521G
97	5.542G	98	5.385G	99	5.708G	100	5.374G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.297G	2	5.323G	3	5.626G	4	5.302G
5	5.351G	6	5.620G	7	5.384G	8	5.369G
9	5.333G	10	5.711G	11	5.559G	12	5.569G
13	5.547G	14	5.491G	15	5.611G	16	5.689G
17	5.378G	18	5.419G	19	5.260G	20	5.599G
21	5.539G	22	5.355G	23	5.432G	24	5.698G
25	5.602G	26	5.605G	27	5.368G	28	5.383G
29	5.421G	30	5.720G	31	5.651G	32	5.462G
33	5.483G	34	5.690G	35	5.301G	36	5.271G
37	5.399G	38	5.716G	39	5.331G	40	5.536G
41	5.445G	42	5.520G	43	5.284G	44	5.308G
45	5.404G	46	5.697G	47	5.572G	48	5.488G
49	5.335G	50	5.469G	51	5.629G	52	5.652G
53	5.356G	54	5.366G	55	5.699G	56	5.481G
57	5.373G	58	5.579G	59	5.593G	60	5.534G
61	5.458G	62	5.525G	63	5.643G	64	5.380G
65	5.486G	66	5.359G	67	5.255G	68	5.374G
69	5.592G	70	5.290G	71	5.407G	72	5.668G
73	5.621G	74	5.624G	75	5.571G	76	5.273G
77	5.613G	78	5.436G	79	5.642G	80	5.713G
81	5.485G	82	5.705G	83	5.414G	84	5.622G
85	5.604G	86	5.527G	87	5.354G	88	5.267G
89	5.454G	90	5.573G	91	5.576G	92	5.463G
93	5.722G	94	5.324G	95	5.496G	96	5.537G
97	5.556G	98	5.661G	99	5.429G	100	5.405G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.293G	2	5.362G	3	5.336G	4	5.464G
5	5.274G	6	5.425G	7	5.325G	8	5.269G
9	5.643G	10	5.466G	11	5.348G	12	5.289G
13	5.589G	14	5.349G	15	5.498G	16	5.478G

17	5.475G	18	5.340G	19	5.586G	20	5.452G
21	5.688G	22	5.312G	23	5.639G	24	5.429G
25	5.306G	26	5.485G	27	5.724G	28	5.577G
29	5.665G	30	5.357G	31	5.695G	32	5.469G
33	5.490G	34	5.277G	35	5.715G	36	5.288G
37	5.496G	38	5.281G	39	5.317G	40	5.319G
41	5.270G	42	5.614G	43	5.704G	44	5.365G
45	5.696G	46	5.511G	47	5.655G	48	5.495G
49	5.463G	50	5.294G	51	5.473G	52	5.260G
53	5.564G	54	5.532G	55	5.451G	56	5.346G
57	5.493G	58	5.480G	59	5.722G	60	5.519G
61	5.494G	62	5.635G	63	5.313G	64	5.257G
65	5.723G	66	5.442G	67	5.370G	68	5.600G
69	5.526G	70	5.541G	71	5.276G	72	5.376G
73	5.421G	74	5.315G	75	5.619G	76	5.455G
77	5.594G	78	5.271G	79	5.500G	80	5.588G
81	5.256G	82	5.537G	83	5.489G	84	5.631G
85	5.380G	86	5.625G	87	5.521G	88	5.383G
89	5.700G	90	5.678G	91	5.629G	92	5.642G
93	5.438G	94	5.417G	95	5.508G	96	5.311G
97	5.415G	98	5.601G	99	5.395G	100	5.563G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.368G	2	5.604G	3	5.414G	4	5.463G
5	5.346G	6	5.670G	7	5.296G	8	5.283G
9	5.401G	10	5.408G	11	5.707G	12	5.299G
13	5.474G	14	5.613G	15	5.541G	16	5.302G
17	5.372G	18	5.674G	19	5.453G	20	5.473G
21	5.492G	22	5.524G	23	5.657G	24	5.596G
25	5.538G	26	5.383G	27	5.341G	28	5.478G
29	5.271G	30	5.714G	31	5.494G	32	5.563G
33	5.409G	34	5.269G	35	5.316G	36	5.697G
37	5.630G	38	5.434G	39	5.464G	40	5.338G
41	5.517G	42	5.684G	43	5.466G	44	5.428G
45	5.624G	46	5.708G	47	5.688G	48	5.717G

49	5.376G	50	5.272G	51	5.355G	52	5.420G
53	5.546G	54	5.253G	55	5.391G	56	5.319G
57	5.681G	58	5.585G	59	5.377G	60	5.312G
61	5.687G	62	5.255G	63	5.413G	64	5.533G
65	5.651G	66	5.648G	67	5.410G	68	5.257G
69	5.502G	70	5.405G	71	5.540G	72	5.369G
73	5.634G	74	5.310G	75	5.654G	76	5.305G
77	5.399G	78	5.354G	79	5.559G	80	5.611G
81	5.439G	82	5.564G	83	5.455G	84	5.482G
85	5.384G	86	5.609G	87	5.571G	88	5.317G
89	5.426G	90	5.503G	91	5.449G	92	5.722G
93	5.700G	94	5.462G	95	5.529G	96	5.698G
97	5.691G	98	5.507G	99	5.591G	100	5.721G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.313G	2	5.481G	3	5.472G	4	5.357G
5	5.348G	6	5.670G	7	5.560G	8	5.366G
9	5.540G	10	5.406G	11	5.368G	12	5.632G
13	5.334G	14	5.542G	15	5.554G	16	5.381G
17	5.293G	18	5.389G	19	5.467G	20	5.513G
21	5.497G	22	5.595G	23	5.485G	24	5.490G
25	5.316G	26	5.440G	27	5.610G	28	5.601G
29	5.486G	30	5.678G	31	5.697G	32	5.660G
33	5.509G	34	5.276G	35	5.589G	36	5.443G
37	5.407G	38	5.415G	39	5.557G	40	5.614G
41	5.274G	42	5.536G	43	5.721G	44	5.475G
45	5.297G	46	5.516G	47	5.465G	48	5.394G
49	5.648G	50	5.582G	51	5.455G	52	5.548G
53	5.282G	54	5.596G	55	5.534G	56	5.353G
57	5.259G	58	5.385G	59	5.281G	60	5.395G
61	5.702G	62	5.275G	63	5.388G	64	5.562G
65	5.387G	66	5.547G	67	5.298G	68	5.580G
69	5.662G	70	5.520G	71	5.453G	72	5.532G
73	5.409G	74	5.503G	75	5.396G	76	5.637G
77	5.693G	78	5.469G	79	5.605G	80	5.284G

81	5.399G	82	5.722G	83	5.269G	84	5.414G
85	5.296G	86	5.629G	87	5.496G	88	5.623G
89	5.561G	90	5.345G	91	5.553G	92	5.477G
93	5.644G	94	5.567G	95	5.538G	96	5.430G
97	5.723G	98	5.380G	99	5.360G	100	5.463G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.517G	2	5.573G	3	5.265G	4	5.403G
5	5.583G	6	5.633G	7	5.494G	8	5.294G
9	5.670G	10	5.464G	11	5.615G	12	5.250G
13	5.360G	14	5.304G	15	5.451G	16	5.571G
17	5.287G	18	5.586G	19	5.439G	20	5.578G
21	5.698G	22	5.546G	23	5.501G	24	5.279G
25	5.419G	26	5.486G	27	5.401G	28	5.664G
29	5.640G	30	5.558G	31	5.480G	32	5.290G
33	5.359G	34	5.629G	35	5.538G	36	5.282G
37	5.293G	38	5.438G	39	5.308G	40	5.685G
41	5.343G	42	5.346G	43	5.478G	44	5.309G
45	5.330G	46	5.457G	47	5.642G	48	5.491G
49	5.255G	50	5.508G	51	5.621G	52	5.418G
53	5.556G	54	5.374G	55	5.267G	56	5.545G
57	5.296G	58	5.637G	59	5.589G	60	5.661G
61	5.455G	62	5.513G	63	5.453G	64	5.325G
65	5.547G	66	5.254G	67	5.527G	68	5.603G
69	5.292G	70	5.584G	71	5.454G	72	5.593G
73	5.417G	74	5.689G	75	5.373G	76	5.660G
77	5.414G	78	5.683G	79	5.317G	80	5.327G
81	5.408G	82	5.555G	83	5.305G	84	5.337G
85	5.675G	86	5.256G	87	5.444G	88	5.653G
89	5.607G	90	5.284G	91	5.557G	92	5.647G
93	5.548G	94	5.298G	95	5.631G	96	5.570G
97	5.572G	98	5.340G	99	5.434G	100	5.624G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.501G	2	5.253G	3	5.340G	4	5.385G
5	5.502G	6	5.658G	7	5.598G	8	5.697G
9	5.536G	10	5.441G	11	5.362G	12	5.494G
13	5.262G	14	5.344G	15	5.567G	16	5.314G
17	5.360G	18	5.348G	19	5.330G	20	5.682G
21	5.480G	22	5.634G	23	5.656G	24	5.519G
25	5.483G	26	5.284G	27	5.255G	28	5.587G
29	5.361G	30	5.623G	31	5.564G	32	5.258G
33	5.719G	34	5.282G	35	5.434G	36	5.498G
37	5.260G	38	5.351G	39	5.515G	40	5.610G
41	5.342G	42	5.557G	43	5.621G	44	5.714G
45	5.273G	46	5.431G	47	5.477G	48	5.720G
49	5.547G	50	5.659G	51	5.542G	52	5.408G
53	5.622G	54	5.616G	55	5.277G	56	5.722G
57	5.571G	58	5.393G	59	5.594G	60	5.520G
61	5.627G	62	5.650G	63	5.566G	64	5.624G
65	5.306G	66	5.433G	67	5.723G	68	5.582G
69	5.427G	70	5.429G	71	5.412G	72	5.654G
73	5.405G	74	5.365G	75	5.468G	76	5.390G
77	5.518G	78	5.526G	79	5.645G	80	5.369G
81	5.551G	82	5.259G	83	5.677G	84	5.328G
85	5.473G	86	5.532G	87	5.718G	88	5.575G
89	5.256G	90	5.447G	91	5.517G	92	5.668G
93	5.329G	94	5.281G	95	5.411G	96	5.418G
97	5.508G	98	5.642G	99	5.544G	100	5.521G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.296G	2	5.381G	3	5.702G	4	5.658G
5	5.256G	6	5.705G	7	5.292G	8	5.653G
9	5.283G	10	5.666G	11	5.665G	12	5.298G
13	5.597G	14	5.358G	15	5.294G	16	5.390G
17	5.329G	18	5.253G	19	5.493G	20	5.505G
21	5.719G	22	5.445G	23	5.520G	24	5.610G
25	5.724G	26	5.706G	27	5.428G	28	5.595G
29	5.412G	30	5.261G	31	5.355G	32	5.483G
33	5.491G	34	5.661G	35	5.637G	36	5.664G
37	5.400G	38	5.556G	39	5.338G	40	5.599G
41	5.498G	42	5.626G	43	5.677G	44	5.340G
45	5.401G	46	5.550G	47	5.272G	48	5.579G
49	5.647G	50	5.700G	51	5.703G	52	5.273G
53	5.532G	54	5.606G	55	5.611G	56	5.462G
57	5.472G	58	5.549G	59	5.513G	60	5.352G
61	5.573G	62	5.655G	63	5.312G	64	5.337G
65	5.633G	66	5.374G	67	5.696G	68	5.634G
69	5.345G	70	5.385G	71	5.463G	72	5.274G
73	5.555G	74	5.657G	75	5.695G	76	5.361G
77	5.476G	78	5.640G	79	5.517G	80	5.616G
81	5.434G	82	5.510G	83	5.406G	84	5.270G
85	5.271G	86	5.584G	87	5.516G	88	5.346G
89	5.509G	90	5.275G	91	5.593G	92	5.583G
93	5.300G	94	5.499G	95	5.587G	96	5.315G
97	5.500G	98	5.259G	99	5.519G	100	5.663G

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Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	No
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	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: 96.7 %				

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	23	1.7u	157.0u	Yes
2	27	2.3u	167.0u	Yes
3	28	2.0u	223.0u	Yes
4	24	2.1u	170.0u	Yes
5	28	3.1u	199.0u	Yes
6	25	2.9u	152.0u	No
7	27	2.6u	224.0u	Yes
8	24	2.2u	185.0u	Yes
9	27	3.0u	224.0u	Yes
10	28	3.2u	152.0u	Yes
11	28	1.9u	174.0u	Yes
12	27	4.9u	187.0u	Yes
13	27	2.8u	151.0u	Yes
14	26	4.0u	176.0u	Yes
15	28	2.5u	208.0u	Yes
16	23	1.7u	223.0u	Yes
17	25	4.2u	194.0u	Yes
18	26	1.6u	198.0u	Yes
19	27	1.8u	215.0u	No
20	26	3.0u	171.0u	Yes
21	29	1.3u	192.0u	Yes
22	27	1.7u	154.0u	Yes
23	29	4.5u	160.0u	Yes
24	25	2.4u	170.0u	Yes
25	26	3.0u	213.0u	Yes
26	27	1.4u	195.0u	Yes
27	25	2.3u	161.0u	Yes
28	23	2.9u	196.0u	Yes
29	26	4.5u	184.0u	Yes
30	26	2.7u	152.0u	No
Detection Rate: 90.0 %				

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	6.9u	251.0u	Yes
2	18	7.3u	387.0u	Yes
3	17	7.2u	457.0u	Yes
4	17	8.0u	478.0u	Yes
5	17	8.2u	270.0u	No
6	18	6.2u	434.0u	Yes
7	18	8.1u	430.0u	Yes
8	17	7.3u	270.0u	Yes
9	16	9.6u	201.0u	Yes
10	17	7.7u	239.0u	Yes
11	17	7.1u	271.0u	Yes
12	17	8.0u	339.0u	Yes
13	16	6.3u	317.0u	Yes
14	17	9.8u	474.0u	Yes
15	17	7.2u	482.0u	Yes
16	18	8.6u	356.0u	Yes
17	17	8.9u	490.0u	Yes
18	17	9.6u	294.0u	Yes
19	16	8.3u	430.0u	Yes
20	16	8.3u	203.0u	Yes
21	17	6.8u	317.0u	Yes
22	18	7.1u	445.0u	Yes
23	17	6.7u	434.0u	Yes
24	17	6.7u	381.0u	No
25	18	7.6u	485.0u	Yes
26	18	8.6u	298.0u	Yes
27	17	7.0u	320.0u	Yes
28	17	8.0u	263.0u	Yes
29	17	6.3u	441.0u	Yes
30	16	7.1u	446.0u	Yes
Detection Rate: 93.3 %				

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	15	15.5u	293.0u	Yes
2	13	15.0u	350.0u	Yes
3	13	12.1u	461.0u	Yes
4	13	11.3u	298.0u	Yes
5	16	12.3u	327.0u	No
6	14	11.8u	373.0u	Yes
7	12	19.1u	431.0u	Yes
8	13	19.7u	380.0u	Yes
9	15	16.2u	212.0u	Yes
10	14	19.5u	425.0u	No
11	15	16.2u	212.0u	Yes
12	16	19.4u	210.0u	No
13	16	16.8u	327.0u	Yes
14	12	18.9u	274.0u	No
15	15	14.8u	448.0u	Yes
16	15	13.2u	321.0u	Yes
17	13	17.3u	291.0u	Yes
18	13	18.0u	248.0u	Yes
19	12	14.1u	325.0u	Yes
20	12	12.5u	373.0u	Yes
21	15	11.9u	251.0u	Yes
22	14	12.8u	359.0u	Yes
23	14	15.2u	206.0u	Yes
24	16	16.4u	320.0u	Yes
25	12	12.6u	495.0u	Yes
26	12	14.1u	488.0u	Yes
27	14	12.2u	497.0u	Yes
28	13	19.7u	411.0u	Yes
29	14	19.7u	213.0u	No
30	13	19.1u	205.0u	No
Detection Rate: 80.0 %				

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	Yes
8	LP_Signal_08	Yes
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	No
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	Yes
17	LP_Signal_17	No
18	LP_Signal_18	No
19	LP_Signal_19	Yes
20	LP_Signal_20	Yes
21	LP_Signal_21	Yes
22	LP_Signal_22	Yes
23	LP_Signal_23	Yes
24	LP_Signal_24	No
25	LP_Signal_25	Yes
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 86.7 %

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	1	17M	74.0u	-	-	216.0m
2	2	20M	75.9u	1.641m	-	142.4m
3	1	18M	72.8u	-	-	561.5m
4	3	10M	89.5u	1.192m	1.001m	646.1m
5	1	11M	51.9u	-	-	621.3m
6	2	12M	94.3u	916.7u	-	273.4m
7	3	10M	93.1u	1.027m	1.315m	533.1m
8	3	6M	87.0u	1.473m	1.028m	559.9m
9	3	17M	61.3u	1.757m	971.7u	196.2m
10	2	14M	67.7u	1.422m	-	83.90m
11	1	19M	90.2u	-	-	29.58m
12	2	8M	73.1u	1.274m	-	645.4m
13	3	13M	72.2u	1.748m	1.410m	397.0m
14	2	7M	60.4u	1.678m	-	433.3m
15	2	18M	84.1u	1.015m	-	644.7m
16	2	11M	66.4u	1.214m	-	684.5m
17	1	14M	93.3u	-	-	462.4m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	20M	74.1u	1.354m	1.426m	374.1m
2	3	15M	74.4u	1.900m	963.6u	1.152
3	2	19M	61.0u	1.635m	-	1.042
4	1	6M	93.2u	-	-	805.1m
5	2	11M	68.4u	1.722m	-	1.116
6	2	13M	95.9u	936.1u	-	1.295

7	2	9M	85.3u	1.574m	-	1.134
8	2	16M	81.5u	1.530m	-	670.6m
9	2	8M	97.1u	1.233m	-	1.011

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_03						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	76.8u	1.491m	-	744.4m
2	1	10M	81.1u	-	-	752.0m
3	1	15M	92.5u	-	-	718.9m
4	2	7M	58.8u	1.457m	-	639.2m
5	2	5M	70.5u	1.113m	-	133.3m
6	2	7M	94.0u	1.008m	-	249.2m
7	2	9M	67.0u	1.844m	-	467.6m
8	2	17M	95.7u	1.535m	-	457.3m
9	2	17M	56.3u	1.667m	-	603.4m
10	3	6M	82.2u	1.089m	1.658m	354.9m
11	2	18M	75.8u	1.496m	-	311.4m
12	2	5M	50.7u	1.424m	-	697.4m
13	2	9M	84.2u	1.726m	-	745.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_04						
Number of Bursts in Trial: 20						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	57.0u	1.530m	-	425.6m
2	2	9M	54.8u	1.483m	-	558.3m
3	2	6M	50.2u	1.319m	-	560.3m
4	3	18M	93.6u	1.535m	1.285m	324.9m
5	2	7M	74.4u	1.776m	-	191.0m
6	1	8M	73.9u	-	-	444.7m
7	3	8M	87.6u	1.615m	1.650m	472.8m

8	3	19M	75.4u	1.878m	934.6u	274.9m
9	2	13M	64.1u	1.711m	-	402.7m
10	3	7M	73.9u	1.843m	1.793m	74.68m
11	3	6M	73.7u	962.3u	1.353m	109.1m
12	3	8M	66.5u	1.130m	1.927m	218.5m
13	1	13M	66.0u	-	-	549.1m
14	2	8M	61.9u	1.061m	-	276.3m
15	1	8M	69.9u	-	-	258.9m
16	2	7M	72.7u	1.517m	-	202.7m
17	2	7M	53.9u	1.559m	-	527.2m
18	1	15M	62.3u	-	-	387.0m
19	2	9M	66.6u	1.498m	-	521.9m
20	2	15M	51.2u	1.434m	-	30.33m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_05						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	10M	99.3u	-	-	703.7m
2	1	12M	81.5u	-	-	564.9m
3	3	12M	74.5u	1.512m	1.557m	417.9m
4	3	14M	73.6u	1.169m	1.055m	451.4m
5	2	11M	87.1u	1.269m	-	356.6m
6	2	5M	63.3u	1.114m	-	386.8m
7	2	20M	57.1u	1.467m	-	718.6m
8	1	18M	63.1u	-	-	279.9m
9	1	13M	85.8u	-	-	525.6m
10	2	18M	52.0u	1.001m	-	494.2m
11	2	6M	55.9u	1.118m	-	296.9m
12	2	12M	67.1u	1.016m	-	40.25m
13	2	18M	88.1u	1.677m	-	431.4m
14	1	10M	51.2u	-	-	77.89m
15	3	8M	94.4u	987.6u	1.647m	293.5m
16	2	13M	96.9u	1.234m	-	210.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_06						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	60.0u	1.828m	-	1.106
2	2	18M	88.9u	1.833m	-	825.3m
3	2	5M	69.9u	1.518m	-	927.2m
4	1	16M	94.2u	-	-	1.128
5	2	11M	62.8u	1.273m	-	1.103
6	2	19M	86.5u	1.365m	-	670.3m
7	3	11M	63.2u	1.402m	1.072m	21.24m
8	3	9M	77.2u	949.8u	960.8u	1.073
9	2	13M	68.9u	1.822m	-	215.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_07						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	57.0u	963.0u	-	445.5m
2	3	7M	86.2u	1.488m	1.226m	383.1m
3	2	13M	52.4u	1.510m	-	284.9m
4	3	18M	51.7u	1.463m	1.814m	908.9m
5	3	9M	98.9u	1.689m	1.548m	205.3m
6	3	14M	96.3u	1.324m	1.778m	295.8m
7	2	19M	77.0u	1.855m	-	786.7m
8	3	9M	58.5u	1.272m	1.538m	352.8m
9	2	10M	83.1u	1.836m	-	118.5m
10	2	16M	73.3u	1.700m	-	914.2m
11	2	10M	80.4u	1.100m	-	140.5m
12	3	16M	85.8u	1.315m	1.011m	256.0m
13	3	8M	82.7u	1.467m	1.611m	250.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_08						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	85.0u	1.556m	969.0u	740.3m
2	3	11M	95.9u	1.662m	1.802m	263.7m
3	1	8M	92.8u	-	-	834.0m
4	3	15M	89.6u	1.659m	1.258m	445.9m
5	2	7M	60.5u	1.685m	-	680.0m
6	2	10M	76.2u	952.8u	-	864.2m
7	1	17M	87.2u	-	-	518.7m
8	2	12M	61.5u	943.5u	-	659.4m
9	2	17M	70.4u	962.6u	-	22.58m
10	2	15M	88.1u	1.877m	-	967.9m
11	2	17M	67.5u	1.241m	-	997.5m
12	2	19M	84.1u	1.549m	-	248.9m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_09						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	81.9u	-	-	373.2m
2	1	15M	61.3u	-	-	237.6m
3	2	10M	91.6u	1.477m	-	673.7m
4	2	10M	77.6u	1.120m	-	675.0m
5	2	18M	52.5u	962.5u	-	452.8m
6	3	14M	87.5u	1.553m	1.763m	107.0m
7	2	7M	89.4u	1.700m	-	781.9m
8	2	17M	58.1u	1.127m	-	347.3m
9	2	5M	60.9u	1.191m	-	760.4m
10	2	9M	73.2u	1.340m	-	478.5m
11	3	13M	71.7u	1.455m	1.438m	405.1m

12	2	19M	73.2u	1.903m	-	552.1m
13	3	5M	74.6u	1.074m	1.040m	612.3m
14	1	13M	56.4u	-	-	509.5m
15	2	6M	88.5u	1.537m	-	11.38m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_10						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	59.7u	1.075m	-	1.239
2	1	14M	88.8u	-	-	140.7m
3	2	13M	51.3u	1.327m	-	1.453
4	2	9M	84.1u	1.361m	-	1.256
5	3	5M	86.4u	1.101m	1.355m	299.9m
6	2	7M	87.8u	1.813m	-	238.1m
7	2	6M	53.2u	1.174m	-	1.057
8	1	13M	79.1u	-	-	1.425

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_11						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	99.3u	1.688m	-	201.1m
2	2	8M	56.3u	1.892m	-	642.1m
3	3	8M	87.2u	1.001m	1.403m	564.9m
4	2	6M	62.9u	987.1u	-	67.97m
5	2	12M	61.8u	1.798m	-	395.7m
6	2	7M	85.5u	1.589m	-	453.3m
7	1	14M	71.3u	-	-	558.1m
8	3	13M	66.8u	1.454m	1.206m	630.1m
9	1	12M	92.5u	-	-	732.7m
10	2	16M	65.8u	1.626m	-	268.5m
11	2	19M	56.7u	949.3u	-	486.9m

12	2	10M	70.6u	1.453m	-	383.5m
13	2	16M	57.6u	1.724m	-	273.9m
14	2	14M	68.9u	1.803m	-	405.0m
15	1	10M	51.9u	-	-	234.4m
16	1	16M	92.5u	-	-	119.9m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_12						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	13M	87.9u	-	-	690.4m
2	1	11M	51.0u	-	-	192.6m
3	2	8M	69.8u	1.724m	-	566.8m
4	3	7M	90.6u	1.458m	1.758m	639.8m
5	1	6M	56.3u	-	-	155.7m
6	2	16M	96.5u	1.164m	-	55.53m
7	2	17M	84.7u	1.093m	-	11.32m
8	2	8M	83.7u	1.901m	-	622.0m
9	3	20M	58.2u	971.8u	1.440m	795.6m
10	2	9M	86.9u	1.529m	-	751.6m
11	2	8M	86.0u	1.540m	-	200.8m
12	2	15M	84.4u	1.610m	-	113.4m
13	2	16M	74.0u	959.0u	-	150.1m
14	2	16M	85.5u	1.799m	-	597.2m
15	3	14M	82.6u	1.441m	1.772m	741.7m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_13						
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	3	9M	76.9u	1.355m	1.623m	901.6m
2	3	20M	72.1u	1.865m	1.561m	1.478
3	3	13M	51.1u	1.133m	1.083m	165.3m

4	3	17M	74.3u	982.7u	1.500m	999.8m
5	1	15M	58.5u	-	-	202.9m
6	2	6M	96.2u	940.8u	-	574.3m
7	3	12M	93.9u	1.222m	1.320m	788.3m
8	2	18M	54.2u	1.536m	-	1.313

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_14						
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	13M	93.4u	1.745m	-	61.43m
2	2	11M	51.5u	1.054m	-	153.9m
3	2	15M	92.4u	1.595m	-	230.3m
4	3	14M	85.6u	1.117m	1.324m	899.1m
5	2	19M	96.0u	919.0u	-	455.0m
6	2	12M	83.7u	1.459m	-	910.0m
7	2	16M	79.3u	1.305m	-	953.5m
8	2	16M	70.0u	981.0u	-	344.9m
9	3	13M	86.4u	1.776m	1.006m	839.2m
10	2	11M	97.6u	1.633m	-	346.3m
11	1	18M	83.0u	-	-	995.4m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_15						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	92.4u	1.618m	-	1.482
2	1	15M	94.4u	-	-	1.183
3	3	8M	61.6u	1.017m	1.797m	40.90m
4	2	13M	57.5u	1.335m	-	1.052
5	3	16M	88.0u	1.727m	1.855m	72.81m
6	1	19M	86.3u	-	-	1.392
7	2	8M	69.7u	1.307m	-	151.3m

8	1	13M	71.7u	-	-	135.6m
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Long Pulse Radar Test Signal Test Signal Name: LP_Signal_16 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	55.5u	1.737m	-	996.3m
2	2	19M	77.9u	1.389m	-	256.3m
3	2	11M	95.3u	1.157m	-	714.6m
4	2	7M	51.2u	1.148m	-	575.0m
5	2	6M	93.1u	1.209m	-	1.187
6	2	12M	69.0u	1.608m	-	321.7m
7	3	12M	62.6u	1.540m	1.177m	997.7m
8	3	16M	58.0u	1.486m	1.104m	861.8m
9	2	19M	83.2u	1.269m	-	21.55m
10	2	10M	67.0u	947.0u	-	63.32m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_17 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	10M	99.2u	1.649m	-	4.386m
2	3	16M	70.6u	1.799m	1.827m	19.85m
3	3	15M	86.3u	968.7u	1.745m	400.9m
4	2	13M	74.0u	1.189m	-	352.8m
5	2	7M	89.7u	1.140m	-	12.85m
6	2	9M	57.4u	1.147m	-	514.8m
7	1	11M	78.5u	-	-	238.3m
8	2	9M	64.6u	1.092m	-	703.0m
9	2	8M	70.6u	1.500m	-	145.2m
10	3	12M	98.5u	1.733m	1.525m	220.7m
11	1	12M	99.8u	-	-	254.9m
12	2	19M	57.4u	1.796m	-	648.9m

13	1	11M	50.8u	-	-	475.6m
14	2	20M	86.3u	926.7u	-	346.5m
15	1	15M	89.0u	-	-	425.5m
16	2	13M	84.3u	1.899m	-	517.3m
17	1	15M	77.7u	-	-	438.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_18						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	14M	60.5u	1.499m	1.136m	507.5m
2	1	16M	92.7u	-	-	654.1m
3	2	7M	90.8u	1.740m	-	362.2m
4	1	13M	78.4u	-	-	760.9m
5	3	18M	67.5u	1.659m	1.571m	308.6m
6	2	12M	64.8u	1.491m	-	107.1m
7	1	17M	74.3u	-	-	522.8m
8	2	5M	76.5u	1.185m	-	364.1m
9	2	18M	77.2u	1.162m	-	273.0m
10	1	19M	95.8u	-	-	574.6m
11	3	7M	65.1u	1.053m	1.349m	174.9m
12	2	8M	81.7u	1.001m	-	753.5m
13	2	12M	56.3u	1.819m	-	570.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_19						
Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	52.8u	1.092m	-	751.5m
2	3	7M	70.2u	1.067m	1.116m	470.8m
3	3	16M	78.3u	1.571m	1.803m	743.3m
4	2	17M	75.7u	1.728m	-	58.94m
5	2	9M	66.9u	1.027m	-	585.9m

6	1	19M	85.4u	-	-	625.0m
7	2	7M	86.8u	1.640m	-	395.3m
8	3	5M	63.3u	991.7u	1.700m	704.5m
9	2	8M	73.1u	1.048m	-	175.1m
10	2	8M	94.4u	976.6u	-	618.6m
11	2	7M	71.1u	1.615m	-	363.1m
12	1	11M	77.4u	-	-	742.3m
13	2	9M	80.1u	1.146m	-	350.1m
14	1	10M	79.5u	-	-	173.6m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_20						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	96.5u	1.006m	-	967.3m
2	3	12M	85.2u	938.8u	1.221m	985.8m
3	2	18M	95.6u	966.4u	-	606.2m
4	2	6M	75.2u	973.8u	-	5.603m
5	2	17M	94.1u	1.851m	-	827.8m
6	1	16M	72.6u	-	-	923.2m
7	3	15M	65.3u	1.473m	1.241m	8.339m
8	1	19M	60.3u	-	-	880.7m
9	1	17M	95.4u	-	-	128.5m
10	3	10M	77.3u	1.551m	1.286m	884.4m
11	2	14M	63.2u	1.040m	-	823.5m
12	3	6M	60.6u	1.645m	1.539m	245.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_21						
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	81.5u	-	-	688.5m
2	2	20M	68.3u	1.015m	-	203.9m

3	2	10M	52.2u	1.301m	-	267.4m
4	1	17M	93.8u	-	-	1.073
5	2	8M	57.4u	1.287m	-	480.4m
6	2	8M	95.8u	1.688m	-	1.139
7	2	17M	91.0u	1.538m	-	93.16m
8	2	16M	94.5u	1.548m	-	1.064
9	2	13M	90.6u	1.041m	-	865.2m
10	1	17M	97.7u	-	-	483.2m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_22						
Number of Bursts in Trial: 11						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	60.5u	1.242m	-	598.9m
2	1	18M	70.9u	-	-	557.4m
3	1	9M	52.9u	-	-	425.1m
4	1	14M	92.5u	-	-	612.7m
5	2	20M	59.6u	1.528m	-	883.7m
6	3	16M	79.4u	1.784m	1.489m	731.8m
7	3	15M	84.4u	1.786m	1.701m	537.5m
8	2	11M	69.8u	1.045m	-	1.018
9	1	18M	92.7u	-	-	748.6m
10	1	8M	78.4u	-	-	1.079
11	2	18M	90.8u	1.056m	-	174.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_23						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	99.0u	1.770m	1.653m	154.8m
2	3	9M	85.3u	1.539m	1.795m	443.6m
3	3	7M	92.5u	1.409m	1.865m	196.1m
4	1	19M	80.1u	-	-	626.1m

5	1	7M	88.8u	-	-	506.9m
6	3	11M	69.6u	1.634m	1.514m	457.5m
7	2	15M	84.1u	1.375m	-	3.140m
8	2	17M	93.6u	1.685m	-	676.8m
9	1	6M	88.9u	-	-	267.3m
10	3	8M	56.1u	1.890m	1.276m	8.127m
11	2	16M	76.0u	1.291m	-	646.8m
12	1	7M	65.1u	-	-	229.9m
13	2	5M	72.5u	1.697m	-	34.72m
14	2	10M	78.3u	1.104m	-	587.0m
15	2	9M	57.7u	1.362m	-	291.0m
16	2	14M	88.0u	1.585m	-	437.0m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_24						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	71.6u	1.111m	-	712.8m
2	3	9M	95.6u	1.027m	1.700m	446.0m
3	2	6M	98.4u	1.464m	-	247.1m
4	2	11M	56.5u	1.243m	-	280.3m
5	2	20M	94.4u	1.762m	-	305.7m
6	1	6M	79.5u	-	-	138.5m
7	2	14M	91.8u	1.821m	-	92.16m
8	1	14M	70.1u	-	-	4.394m
9	2	19M	56.7u	969.3u	-	547.2m
10	2	13M	81.2u	1.390m	-	794.2m
11	1	18M	58.3u	-	-	659.9m
12	3	11M	93.4u	1.300m	1.303m	631.2m
13	2	5M	69.7u	1.193m	-	53.53m
14	2	15M	54.3u	1.494m	-	555.0m
15	2	17M	68.3u	1.138m	-	640.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_25						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	90.5u	1.872m	-	736.0m
2	2	16M	93.9u	1.865m	-	411.7m
3	1	13M	94.5u	-	-	373.1m
4	2	8M	95.1u	1.728m	-	213.1m
5	2	13M	82.8u	982.2u	-	302.0m
6	2	8M	75.5u	1.090m	-	240.2m
7	2	7M	72.8u	1.624m	-	643.8m
8	1	19M	54.2u	-	-	418.4m
9	2	10M	93.4u	1.866m	-	284.1m
10	2	7M	70.9u	1.222m	-	275.4m
11	1	15M	58.5u	-	-	723.6m
12	3	9M	80.7u	1.550m	1.366m	539.2m
13	2	12M	95.8u	1.533m	-	389.7m
14	2	15M	93.2u	1.767m	-	620.6m
15	1	5M	52.5u	-	-	155.0m
16	1	17M	67.1u	-	-	2.818m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_26						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	96.9u	1.353m	1.234m	568.6m
2	1	20M	50.8u	-	-	324.7m
3	2	8M	85.6u	1.366m	-	484.2m
4	2	16M	65.5u	1.576m	-	60.73m
5	2	10M	55.3u	1.792m	-	107.1m
6	2	8M	94.6u	930.4u	-	528.1m
7	3	7M	81.3u	1.041m	1.678m	129.1m

8	1	9M	87.6u	-	-	522.2m
9	2	10M	58.4u	1.274m	-	24.86m
10	3	9M	68.4u	1.421m	993.6u	50.98m
11	3	13M	51.7u	1.477m	1.028m	193.3m
12	2	13M	91.2u	1.703m	-	605.3m
13	1	12M	91.2u	-	-	163.7m
14	2	13M	99.4u	1.283m	-	283.9m
15	2	5M	68.6u	1.058m	-	11.48m
16	1	5M	85.3u	-	-	610.2m
17	2	10M	75.3u	1.460m	-	524.8m
18	2	16M	63.7u	1.554m	-	30.43m
19	2	10M	94.6u	1.481m	-	171.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_27						
Number of Bursts in Trial: 11						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	80.6u	-	-	275.6m
2	2	18M	64.3u	975.7u	-	260.3m
3	1	14M	86.1u	-	-	170.1m
4	3	8M	71.8u	1.325m	1.724m	395.3m
5	1	11M	91.8u	-	-	389.6m
6	2	9M	90.4u	1.003m	-	452.7m
7	1	14M	55.5u	-	-	768.0m
8	3	9M	81.1u	1.233m	1.215m	946.2m
9	1	13M	86.2u	-	-	361.8m
10	1	12M	51.9u	-	-	573.1m
11	2	17M	93.2u	1.288m	-	580.8m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_28						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	59.0u	1.523m	-	646.2m
2	1	12M	98.6u	-	-	140.2m
3	2	8M	60.6u	941.4u	-	163.0m
4	2	7M	63.7u	1.099m	-	135.2m
5	2	6M	53.6u	1.335m	-	227.6m
6	1	5M	50.1u	-	-	658.1m
7	2	12M	74.5u	1.027m	-	102.9m
8	2	16M	74.1u	1.177m	-	225.2m
9	1	9M	69.9u	-	-	604.7m
10	2	12M	65.7u	1.932m	-	396.0m
11	2	20M	94.2u	1.419m	-	213.0m
12	1	8M	73.1u	-	-	238.7m
13	3	17M	61.5u	1.801m	1.446m	160.6m
14	2	13M	83.5u	1.578m	-	535.9m
15	2	6M	60.6u	1.749m	-	364.1m
16	1	18M	86.7u	-	-	431.9m
17	2	16M	77.3u	1.267m	-	128.8m
18	2	5M	56.7u	956.3u	-	112.4m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_29						
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	5M	51.3u	1.455m	-	1.104
2	1	8M	97.6u	-	-	140.3m
3	1	11M	91.9u	-	-	1.186
4	2	10M	78.3u	1.408m	-	236.3m
5	2	10M	58.5u	1.635m	-	544.3m

6	3	7M	54.8u	1.934m	1.610m	892.1m
7	2	16M	59.1u	1.623m	-	315.2m
8	2	8M	70.4u	1.021m	-	257.7m
9	2	11M	97.4u	1.531m	-	271.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_30						
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	6M	85.0u	1.621m	1.873m	682.8m
2	2	7M	95.6u	1.524m	-	63.62m
3	2	7M	83.2u	1.376m	-	45.51m
4	2	16M	97.6u	1.401m	-	710.7m
5	3	18M	96.3u	1.652m	1.247m	194.5m
6	1	20M	83.4u	-	-	188.6m
7	2	11M	98.8u	1.065m	-	662.2m
8	2	17M	81.0u	1.662m	-	268.5m
9	1	17M	84.7u	-	-	662.3m
10	3	19M	94.6u	1.110m	1.808m	229.2m
11	1	18M	86.1u	-	-	741.5m
12	1	7M	71.1u	-	-	3.341m
13	2	14M	94.1u	1.816m	-	695.0m
14	2	8M	78.9u	1.296m	-	568.1m
15	1	6M	56.1u	-	-	265.8m
16	2	13M	52.8u	993.2u	-	552.1m

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	No
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	No
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	No
30	9	1.0u	333.0u	Yes
				Detection Rate: 90.0 %

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	No
7	HOP_FREQ_SEQ_07	Yes
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	Yes
10	HOP_FREQ_SEQ_10	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	Yes
13	HOP_FREQ_SEQ_13	Yes
14	HOP_FREQ_SEQ_14	Yes
15	HOP_FREQ_SEQ_15	Yes
16	HOP_FREQ_SEQ_16	Yes
17	HOP_FREQ_SEQ_17	Yes
18	HOP_FREQ_SEQ_18	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	Yes
22	HOP_FREQ_SEQ_22	Yes
23	HOP_FREQ_SEQ_23	Yes
24	HOP_FREQ_SEQ_24	Yes
25	HOP_FREQ_SEQ_25	No
26	HOP_FREQ_SEQ_26	Yes
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	No
30	HOP_FREQ_SEQ_30	Yes
		Detection Rate: 90.0 %

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.373G	2	5.385G	3	5.405G	4	5.372G
5	5.517G	6	5.604G	7	5.628G	8	5.512G
9	5.677G	10	5.464G	11	5.578G	12	5.381G
13	5.368G	14	5.650G	15	5.352G	16	5.383G
17	5.253G	18	5.692G	19	5.662G	20	5.699G
21	5.410G	22	5.376G	23	5.515G	24	5.495G
25	5.303G	26	5.325G	27	5.508G	28	5.533G
29	5.671G	30	5.286G	31	5.393G	32	5.296G
33	5.433G	34	5.664G	35	5.318G	36	5.482G
37	5.274G	38	5.499G	39	5.301G	40	5.306G
41	5.647G	42	5.563G	43	5.314G	44	5.556G
45	5.685G	46	5.379G	47	5.704G	48	5.404G
49	5.271G	50	5.567G	51	5.573G	52	5.710G
53	5.481G	54	5.600G	55	5.403G	56	5.700G
57	5.266G	58	5.370G	59	5.697G	60	5.273G
61	5.419G	62	5.289G	63	5.707G	64	5.547G
65	5.315G	66	5.250G	67	5.674G	68	5.322G
69	5.308G	70	5.505G	71	5.652G	72	5.540G
73	5.256G	74	5.554G	75	5.411G	76	5.339G
77	5.584G	78	5.424G	79	5.290G	80	5.311G
81	5.596G	82	5.292G	83	5.617G	84	5.285G
85	5.605G	86	5.429G	87	5.319G	88	5.452G
89	5.552G	90	5.696G	91	5.718G	92	5.458G
93	5.623G	94	5.519G	95	5.520G	96	5.355G
97	5.284G	98	5.305G	99	5.347G	100	5.487G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.270G	2	5.487G	3	5.390G	4	5.443G
5	5.641G	6	5.348G	7	5.503G	8	5.685G
9	5.686G	10	5.659G	11	5.597G	12	5.601G
13	5.304G	14	5.720G	15	5.265G	16	5.301G

17	5.678G	18	5.579G	19	5.658G	20	5.599G
21	5.366G	22	5.581G	23	5.365G	24	5.425G
25	5.276G	26	5.545G	27	5.498G	28	5.540G
29	5.583G	30	5.394G	31	5.621G	32	5.660G
33	5.329G	34	5.464G	35	5.629G	36	5.671G
37	5.381G	38	5.530G	39	5.346G	40	5.452G
41	5.364G	42	5.516G	43	5.689G	44	5.504G
45	5.476G	46	5.467G	47	5.642G	48	5.546G
49	5.533G	50	5.584G	51	5.539G	52	5.481G
53	5.413G	54	5.630G	55	5.509G	56	5.262G
57	5.406G	58	5.521G	59	5.315G	60	5.297G
61	5.288G	62	5.281G	63	5.272G	64	5.385G
65	5.506G	66	5.603G	67	5.589G	68	5.255G
69	5.446G	70	5.486G	71	5.613G	72	5.419G
73	5.544G	74	5.448G	75	5.369G	76	5.566G
77	5.440G	78	5.715G	79	5.501G	80	5.514G
81	5.723G	82	5.543G	83	5.480G	84	5.386G
85	5.305G	86	5.328G	87	5.595G	88	5.311G
89	5.338G	90	5.510G	91	5.324G	92	5.471G
93	5.353G	94	5.523G	95	5.367G	96	5.522G
97	5.491G	98	5.465G	99	5.261G	100	5.560G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.564G	2	5.603G	3	5.287G	4	5.519G
5	5.511G	6	5.581G	7	5.283G	8	5.320G
9	5.515G	10	5.377G	11	5.385G	12	5.296G
13	5.464G	14	5.549G	15	5.457G	16	5.611G
17	5.371G	18	5.356G	19	5.426G	20	5.512G
21	5.531G	22	5.363G	23	5.580G	24	5.260G
25	5.673G	26	5.261G	27	5.684G	28	5.616G
29	5.642G	30	5.620G	31	5.662G	32	5.534G
33	5.365G	34	5.483G	35	5.388G	36	5.632G
37	5.708G	38	5.472G	39	5.553G	40	5.524G
41	5.303G	42	5.633G	43	5.523G	44	5.474G
45	5.339G	46	5.548G	47	5.391G	48	5.606G

49	5.605G	50	5.435G	51	5.495G	52	5.448G
53	5.670G	54	5.278G	55	5.416G	56	5.417G
57	5.595G	58	5.653G	59	5.314G	60	5.554G
61	5.456G	62	5.409G	63	5.612G	64	5.699G
65	5.542G	66	5.254G	67	5.649G	68	5.579G
69	5.389G	70	5.540G	71	5.640G	72	5.394G
73	5.498G	74	5.617G	75	5.679G	76	5.686G
77	5.256G	78	5.701G	79	5.484G	80	5.482G
81	5.608G	82	5.413G	83	5.486G	84	5.406G
85	5.427G	86	5.429G	87	5.410G	88	5.364G
89	5.660G	90	5.706G	91	5.453G	92	5.290G
93	5.700G	94	5.421G	95	5.720G	96	5.445G
97	5.709G	98	5.721G	99	5.646G	100	5.282G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.557G	2	5.338G	3	5.414G	4	5.424G
5	5.326G	6	5.606G	7	5.720G	8	5.284G
9	5.507G	10	5.300G	11	5.421G	12	5.675G
13	5.282G	14	5.496G	15	5.393G	16	5.718G
17	5.487G	18	5.617G	19	5.387G	20	5.488G
21	5.652G	22	5.556G	23	5.586G	24	5.331G
25	5.434G	26	5.523G	27	5.651G	28	5.289G
29	5.472G	30	5.537G	31	5.464G	32	5.597G
33	5.311G	34	5.545G	35	5.724G	36	5.471G
37	5.450G	38	5.717G	39	5.399G	40	5.506G
41	5.478G	42	5.611G	43	5.618G	44	5.521G
45	5.502G	46	5.709G	47	5.465G	48	5.485G
49	5.592G	50	5.542G	51	5.716G	52	5.431G
53	5.657G	54	5.417G	55	5.321G	56	5.660G
57	5.290G	58	5.589G	59	5.627G	60	5.519G
61	5.624G	62	5.273G	63	5.459G	64	5.636G
65	5.626G	66	5.283G	67	5.343G	68	5.513G
69	5.695G	70	5.548G	71	5.486G	72	5.416G
73	5.505G	74	5.634G	75	5.455G	76	5.687G
77	5.380G	78	5.663G	79	5.578G	80	5.302G

81	5.522G	82	5.590G	83	5.685G	84	5.708G
85	5.683G	86	5.595G	87	5.490G	88	5.554G
89	5.364G	90	5.575G	91	5.561G	92	5.369G
93	5.347G	94	5.370G	95	5.580G	96	5.635G
97	5.371G	98	5.529G	99	5.432G	100	5.484G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.417G	2	5.331G	3	5.641G	4	5.613G
5	5.702G	6	5.262G	7	5.321G	8	5.550G
9	5.646G	10	5.311G	11	5.463G	12	5.536G
13	5.258G	14	5.719G	15	5.338G	16	5.429G
17	5.358G	18	5.648G	19	5.457G	20	5.578G
21	5.289G	22	5.659G	23	5.591G	24	5.484G
25	5.496G	26	5.367G	27	5.594G	28	5.661G
29	5.326G	30	5.310G	31	5.710G	32	5.647G
33	5.250G	34	5.502G	35	5.437G	36	5.637G
37	5.382G	38	5.398G	39	5.722G	40	5.438G
41	5.442G	42	5.468G	43	5.712G	44	5.680G
45	5.544G	46	5.686G	47	5.497G	48	5.638G
49	5.379G	50	5.494G	51	5.403G	52	5.280G
53	5.351G	54	5.256G	55	5.668G	56	5.557G
57	5.717G	58	5.677G	59	5.361G	60	5.516G
61	5.392G	62	5.299G	63	5.487G	64	5.632G
65	5.384G	66	5.520G	67	5.278G	68	5.450G
69	5.509G	70	5.322G	71	5.347G	72	5.454G
73	5.679G	74	5.349G	75	5.317G	76	5.354G
77	5.252G	78	5.554G	79	5.628G	80	5.663G
81	5.420G	82	5.334G	83	5.373G	84	5.678G
85	5.360G	86	5.561G	87	5.439G	88	5.709G
89	5.553G	90	5.465G	91	5.513G	92	5.571G
93	5.255G	94	5.716G	95	5.612G	96	5.697G
97	5.556G	98	5.260G	99	5.426G	100	5.272G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.517G	2	5.706G	3	5.332G	4	5.392G
5	5.528G	6	5.681G	7	5.589G	8	5.262G
9	5.613G	10	5.444G	11	5.607G	12	5.466G
13	5.484G	14	5.632G	15	5.628G	16	5.527G
17	5.711G	18	5.478G	19	5.609G	20	5.565G
21	5.700G	22	5.558G	23	5.447G	24	5.701G
25	5.410G	26	5.338G	27	5.273G	28	5.696G
29	5.488G	30	5.511G	31	5.690G	32	5.381G
33	5.407G	34	5.616G	35	5.263G	36	5.371G
37	5.674G	38	5.301G	39	5.453G	40	5.469G
41	5.500G	42	5.351G	43	5.424G	44	5.364G
45	5.534G	46	5.491G	47	5.419G	48	5.555G
49	5.713G	50	5.462G	51	5.552G	52	5.256G
53	5.434G	54	5.684G	55	5.470G	56	5.658G
57	5.365G	58	5.518G	59	5.544G	60	5.400G
61	5.349G	62	5.295G	63	5.367G	64	5.412G
65	5.386G	66	5.564G	67	5.317G	68	5.490G
69	5.395G	70	5.514G	71	5.702G	72	5.694G
73	5.724G	74	5.566G	75	5.679G	76	5.640G
77	5.612G	78	5.652G	79	5.629G	80	5.493G
81	5.627G	82	5.695G	83	5.516G	84	5.468G
85	5.280G	86	5.716G	87	5.308G	88	5.311G
89	5.577G	90	5.312G	91	5.391G	92	5.539G
93	5.300G	94	5.307G	95	5.636G	96	5.567G
97	5.394G	98	5.334G	99	5.329G	100	5.387G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.317G	2	5.650G	3	5.461G	4	5.690G
5	5.420G	6	5.706G	7	5.630G	8	5.413G
9	5.488G	10	5.290G	11	5.356G	12	5.266G
13	5.545G	14	5.645G	15	5.443G	16	5.351G

17	5.642G	18	5.348G	19	5.549G	20	5.388G
21	5.709G	22	5.698G	23	5.437G	24	5.534G
25	5.425G	26	5.494G	27	5.602G	28	5.700G
29	5.536G	30	5.632G	31	5.426G	32	5.500G
33	5.458G	34	5.412G	35	5.670G	36	5.517G
37	5.456G	38	5.328G	39	5.397G	40	5.697G
41	5.364G	42	5.483G	43	5.585G	44	5.586G
45	5.717G	46	5.331G	47	5.615G	48	5.671G
49	5.569G	50	5.438G	51	5.340G	52	5.252G
53	5.267G	54	5.399G	55	5.675G	56	5.498G
57	5.629G	58	5.676G	59	5.607G	60	5.281G
61	5.678G	62	5.609G	63	5.719G	64	5.562G
65	5.282G	66	5.665G	67	5.589G	68	5.677G
69	5.610G	70	5.375G	71	5.255G	72	5.647G
73	5.268G	74	5.465G	75	5.454G	76	5.587G
77	5.385G	78	5.619G	79	5.390G	80	5.688G
81	5.544G	82	5.633G	83	5.666G	84	5.578G
85	5.318G	86	5.718G	87	5.592G	88	5.441G
89	5.361G	90	5.319G	91	5.460G	92	5.410G
93	5.452G	94	5.588G	95	5.419G	96	5.471G
97	5.576G	98	5.396G	99	5.662G	100	5.613G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.623G	2	5.571G	3	5.575G	4	5.346G
5	5.364G	6	5.707G	7	5.634G	8	5.266G
9	5.473G	10	5.522G	11	5.697G	12	5.347G
13	5.400G	14	5.471G	15	5.600G	16	5.547G
17	5.449G	18	5.435G	19	5.396G	20	5.478G
21	5.297G	22	5.428G	23	5.439G	24	5.377G
25	5.294G	26	5.578G	27	5.577G	28	5.614G
29	5.515G	30	5.537G	31	5.418G	32	5.480G
33	5.624G	34	5.482G	35	5.548G	36	5.540G
37	5.691G	38	5.285G	39	5.582G	40	5.711G
41	5.425G	42	5.327G	43	5.419G	44	5.615G
45	5.324G	46	5.521G	47	5.492G	48	5.336G

49	5.500G	50	5.353G	51	5.438G	52	5.715G
53	5.544G	54	5.651G	55	5.326G	56	5.574G
57	5.404G	58	5.565G	59	5.265G	60	5.609G
61	5.260G	62	5.524G	63	5.592G	64	5.284G
65	5.601G	66	5.584G	67	5.647G	68	5.699G
69	5.472G	70	5.275G	71	5.446G	72	5.672G
73	5.368G	74	5.661G	75	5.586G	76	5.345G
77	5.489G	78	5.508G	79	5.389G	80	5.416G
81	5.432G	82	5.271G	83	5.552G	84	5.669G
85	5.261G	86	5.401G	87	5.375G	88	5.542G
89	5.410G	90	5.399G	91	5.444G	92	5.566G
93	5.476G	94	5.506G	95	5.722G	96	5.551G
97	5.662G	98	5.605G	99	5.684G	100	5.263G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.315G	2	5.682G	3	5.711G	4	5.254G
5	5.615G	6	5.308G	7	5.359G	8	5.645G
9	5.555G	10	5.667G	11	5.487G	12	5.653G
13	5.251G	14	5.628G	15	5.310G	16	5.684G
17	5.560G	18	5.523G	19	5.719G	20	5.432G
21	5.277G	22	5.674G	23	5.447G	24	5.705G
25	5.468G	26	5.418G	27	5.707G	28	5.264G
29	5.539G	30	5.354G	31	5.294G	32	5.265G
33	5.393G	34	5.481G	35	5.385G	36	5.433G
37	5.601G	38	5.388G	39	5.622G	40	5.546G
41	5.640G	42	5.356G	43	5.260G	44	5.517G
45	5.498G	46	5.301G	47	5.543G	48	5.482G
49	5.590G	50	5.456G	51	5.398G	52	5.318G
53	5.635G	54	5.604G	55	5.268G	56	5.496G
57	5.672G	58	5.593G	59	5.459G	60	5.339G
61	5.335G	62	5.626G	63	5.351G	64	5.699G
65	5.566G	66	5.505G	67	5.366G	68	5.263G
69	5.629G	70	5.581G	71	5.716G	72	5.616G
73	5.344G	74	5.569G	75	5.575G	76	5.649G
77	5.608G	78	5.353G	79	5.591G	80	5.437G

81	5.261G	82	5.720G	83	5.384G	84	5.500G
85	5.293G	86	5.589G	87	5.425G	88	5.257G
89	5.592G	90	5.472G	91	5.376G	92	5.688G
93	5.690G	94	5.702G	95	5.637G	96	5.266G
97	5.666G	98	5.320G	99	5.676G	100	5.374G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.313G	2	5.589G	3	5.508G	4	5.479G
5	5.259G	6	5.674G	7	5.559G	8	5.595G
9	5.532G	10	5.310G	11	5.685G	12	5.467G
13	5.480G	14	5.439G	15	5.722G	16	5.286G
17	5.628G	18	5.627G	19	5.623G	20	5.644G
21	5.292G	22	5.271G	23	5.603G	24	5.526G
25	5.252G	26	5.384G	27	5.334G	28	5.703G
29	5.398G	30	5.580G	31	5.471G	32	5.346G
33	5.408G	34	5.564G	35	5.433G	36	5.696G
37	5.373G	38	5.370G	39	5.425G	40	5.476G
41	5.432G	42	5.593G	43	5.658G	44	5.356G
45	5.700G	46	5.558G	47	5.272G	48	5.304G
49	5.487G	50	5.481G	51	5.689G	52	5.468G
53	5.391G	54	5.402G	55	5.283G	56	5.399G
57	5.624G	58	5.421G	59	5.477G	60	5.338G
61	5.473G	62	5.591G	63	5.436G	64	5.302G
65	5.512G	66	5.256G	67	5.350G	68	5.362G
69	5.548G	70	5.513G	71	5.383G	72	5.438G
73	5.460G	74	5.465G	75	5.715G	76	5.317G
77	5.306G	78	5.656G	79	5.279G	80	5.708G
81	5.381G	82	5.601G	83	5.289G	84	5.429G
85	5.714G	86	5.369G	87	5.295G	88	5.672G
89	5.586G	90	5.518G	91	5.284G	92	5.533G
93	5.663G	94	5.387G	95	5.538G	96	5.541G
97	5.372G	98	5.260G	99	5.705G	100	5.327G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.441G	2	5.598G	3	5.536G	4	5.412G
5	5.540G	6	5.251G	7	5.628G	8	5.685G
9	5.651G	10	5.427G	11	5.333G	12	5.484G
13	5.624G	14	5.419G	15	5.359G	16	5.700G
17	5.528G	18	5.360G	19	5.371G	20	5.548G
21	5.689G	22	5.312G	23	5.503G	24	5.418G
25	5.629G	26	5.478G	27	5.572G	28	5.589G
29	5.328G	30	5.331G	31	5.562G	32	5.696G
33	5.296G	34	5.488G	35	5.260G	36	5.335G
37	5.320G	38	5.315G	39	5.599G	40	5.462G
41	5.557G	42	5.374G	43	5.597G	44	5.570G
45	5.554G	46	5.609G	47	5.708G	48	5.544G
49	5.416G	50	5.539G	51	5.381G	52	5.380G
53	5.607G	54	5.571G	55	5.590G	56	5.314G
57	5.399G	58	5.396G	59	5.439G	60	5.701G
61	5.644G	62	5.505G	63	5.679G	64	5.449G
65	5.357G	66	5.278G	67	5.704G	68	5.486G
69	5.376G	70	5.297G	71	5.274G	72	5.521G
73	5.307G	74	5.330G	75	5.564G	76	5.377G
77	5.566G	78	5.719G	79	5.723G	80	5.338G
81	5.556G	82	5.432G	83	5.684G	84	5.482G
85	5.368G	86	5.605G	87	5.387G	88	5.355G
89	5.395G	90	5.718G	91	5.479G	92	5.346G
93	5.469G	94	5.300G	95	5.623G	96	5.289G
97	5.262G	98	5.667G	99	5.448G	100	5.500G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.273G	2	5.721G	3	5.530G	4	5.532G
5	5.332G	6	5.328G	7	5.264G	8	5.568G
9	5.477G	10	5.396G	11	5.521G	12	5.312G
13	5.357G	14	5.281G	15	5.450G	16	5.442G

17	5.669G	18	5.412G	19	5.441G	20	5.613G
21	5.368G	22	5.516G	23	5.507G	24	5.392G
25	5.337G	26	5.386G	27	5.689G	28	5.603G
29	5.438G	30	5.605G	31	5.601G	32	5.269G
33	5.563G	34	5.633G	35	5.581G	36	5.655G
37	5.668G	38	5.250G	39	5.566G	40	5.658G
41	5.555G	42	5.488G	43	5.424G	44	5.619G
45	5.298G	46	5.567G	47	5.411G	48	5.702G
49	5.353G	50	5.602G	51	5.706G	52	5.324G
53	5.590G	54	5.387G	55	5.493G	56	5.294G
57	5.715G	58	5.401G	59	5.485G	60	5.422G
61	5.348G	62	5.476G	63	5.421G	64	5.592G
65	5.531G	66	5.635G	67	5.318G	68	5.460G
69	5.479G	70	5.616G	71	5.547G	72	5.527G
73	5.588G	74	5.409G	75	5.304G	76	5.319G
77	5.611G	78	5.284G	79	5.504G	80	5.365G
81	5.606G	82	5.252G	83	5.677G	84	5.575G
85	5.661G	86	5.379G	87	5.542G	88	5.391G
89	5.486G	90	5.649G	91	5.489G	92	5.707G
93	5.593G	94	5.718G	95	5.345G	96	5.296G
97	5.436G	98	5.300G	99	5.277G	100	5.657G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.645G	2	5.343G	3	5.445G	4	5.613G
5	5.332G	6	5.340G	7	5.495G	8	5.384G
9	5.296G	10	5.598G	11	5.499G	12	5.500G
13	5.508G	14	5.575G	15	5.656G	16	5.257G
17	5.596G	18	5.701G	19	5.443G	20	5.566G
21	5.537G	22	5.372G	23	5.548G	24	5.685G
25	5.485G	26	5.472G	27	5.359G	28	5.541G
29	5.670G	30	5.315G	31	5.563G	32	5.609G
33	5.651G	34	5.271G	35	5.287G	36	5.545G
37	5.391G	38	5.414G	39	5.704G	40	5.559G
41	5.279G	42	5.418G	43	5.328G	44	5.438G
45	5.326G	46	5.551G	47	5.278G	48	5.689G

49	5.715G	50	5.642G	51	5.276G	52	5.466G
53	5.383G	54	5.525G	55	5.419G	56	5.574G
57	5.397G	58	5.390G	59	5.263G	60	5.659G
61	5.272G	62	5.376G	63	5.453G	64	5.493G
65	5.477G	66	5.582G	67	5.721G	68	5.678G
69	5.375G	70	5.565G	71	5.321G	72	5.399G
73	5.691G	74	5.448G	75	5.270G	76	5.254G
77	5.639G	78	5.682G	79	5.671G	80	5.667G
81	5.471G	82	5.364G	83	5.258G	84	5.707G
85	5.305G	86	5.298G	87	5.606G	88	5.442G
89	5.519G	90	5.695G	91	5.352G	92	5.586G
93	5.720G	94	5.560G	95	5.425G	96	5.447G
97	5.668G	98	5.282G	99	5.363G	100	5.314G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.419G	2	5.477G	3	5.690G	4	5.374G
5	5.525G	6	5.499G	7	5.412G	8	5.324G
9	5.342G	10	5.318G	11	5.399G	12	5.483G
13	5.267G	14	5.394G	15	5.387G	16	5.579G
17	5.573G	18	5.420G	19	5.312G	20	5.297G
21	5.289G	22	5.272G	23	5.502G	24	5.603G
25	5.512G	26	5.428G	27	5.290G	28	5.363G
29	5.657G	30	5.619G	31	5.612G	32	5.698G
33	5.719G	34	5.482G	35	5.536G	36	5.467G
37	5.500G	38	5.424G	39	5.379G	40	5.650G
41	5.631G	42	5.587G	43	5.463G	44	5.317G
45	5.614G	46	5.285G	47	5.700G	48	5.697G
49	5.345G	50	5.300G	51	5.389G	52	5.544G
53	5.646G	54	5.316G	55	5.479G	56	5.458G
57	5.354G	58	5.489G	59	5.681G	60	5.530G
61	5.648G	62	5.276G	63	5.632G	64	5.596G
65	5.461G	66	5.515G	67	5.613G	68	5.496G
69	5.599G	70	5.578G	71	5.303G	72	5.478G
73	5.298G	74	5.418G	75	5.259G	76	5.542G
77	5.251G	78	5.358G	79	5.475G	80	5.616G

81	5.516G	82	5.675G	83	5.723G	84	5.597G
85	5.685G	86	5.492G	87	5.641G	88	5.626G
89	5.335G	90	5.570G	91	5.703G	92	5.625G
93	5.411G	94	5.538G	95	5.662G	96	5.367G
97	5.299G	98	5.484G	99	5.670G	100	5.678G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.436G	2	5.361G	3	5.548G	4	5.401G
5	5.512G	6	5.588G	7	5.290G	8	5.316G
9	5.665G	10	5.601G	11	5.355G	12	5.466G
13	5.514G	14	5.718G	15	5.369G	16	5.380G
17	5.265G	18	5.516G	19	5.509G	20	5.345G
21	5.492G	22	5.330G	23	5.382G	24	5.685G
25	5.299G	26	5.420G	27	5.626G	28	5.654G
29	5.707G	30	5.561G	31	5.580G	32	5.458G
33	5.442G	34	5.332G	35	5.616G	36	5.461G
37	5.537G	38	5.279G	39	5.383G	40	5.545G
41	5.562G	42	5.287G	43	5.604G	44	5.635G
45	5.416G	46	5.453G	47	5.270G	48	5.489G
49	5.709G	50	5.484G	51	5.276G	52	5.721G
53	5.471G	54	5.638G	55	5.536G	56	5.556G
57	5.655G	58	5.324G	59	5.517G	60	5.585G
61	5.339G	62	5.444G	63	5.488G	64	5.700G
65	5.371G	66	5.448G	67	5.292G	68	5.373G
69	5.346G	70	5.272G	71	5.412G	72	5.708G
73	5.602G	74	5.608G	75	5.535G	76	5.594G
77	5.647G	78	5.275G	79	5.396G	80	5.256G
81	5.687G	82	5.446G	83	5.572G	84	5.698G
85	5.695G	86	5.712G	87	5.518G	88	5.552G
89	5.341G	90	5.670G	91	5.656G	92	5.597G
93	5.617G	94	5.253G	95	5.498G	96	5.286G
97	5.326G	98	5.505G	99	5.342G	100	5.386G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.636G	2	5.456G	3	5.264G	4	5.627G
5	5.273G	6	5.557G	7	5.571G	8	5.280G
9	5.400G	10	5.673G	11	5.658G	12	5.505G
13	5.553G	14	5.696G	15	5.345G	16	5.580G
17	5.619G	18	5.302G	19	5.307G	20	5.258G
21	5.568G	22	5.635G	23	5.482G	24	5.367G
25	5.311G	26	5.458G	27	5.574G	28	5.554G
29	5.718G	30	5.327G	31	5.621G	32	5.328G
33	5.380G	34	5.312G	35	5.532G	36	5.601G
37	5.602G	38	5.590G	39	5.303G	40	5.308G
41	5.679G	42	5.298G	43	5.388G	44	5.369G
45	5.631G	46	5.479G	47	5.421G	48	5.306G
49	5.545G	50	5.453G	51	5.722G	52	5.383G
53	5.533G	54	5.451G	55	5.507G	56	5.404G
57	5.576G	58	5.525G	59	5.695G	60	5.676G
61	5.325G	62	5.341G	63	5.551G	64	5.272G
65	5.723G	66	5.398G	67	5.408G	68	5.629G
69	5.454G	70	5.489G	71	5.517G	72	5.700G
73	5.401G	74	5.262G	75	5.646G	76	5.288G
77	5.485G	78	5.254G	79	5.253G	80	5.675G
81	5.690G	82	5.615G	83	5.405G	84	5.350G
85	5.329G	86	5.685G	87	5.255G	88	5.420G
89	5.663G	90	5.697G	91	5.426G	92	5.575G
93	5.261G	94	5.538G	95	5.536G	96	5.594G
97	5.357G	98	5.300G	99	5.384G	100	5.347G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.430G	2	5.279G	3	5.444G	4	5.564G
5	5.699G	6	5.380G	7	5.293G	8	5.316G
9	5.568G	10	5.598G	11	5.289G	12	5.452G
13	5.664G	14	5.626G	15	5.400G	16	5.631G

17	5.675G	18	5.539G	19	5.685G	20	5.464G
21	5.701G	22	5.348G	23	5.411G	24	5.595G
25	5.620G	26	5.491G	27	5.442G	28	5.436G
29	5.658G	30	5.505G	31	5.366G	32	5.460G
33	5.330G	34	5.687G	35	5.254G	36	5.593G
37	5.654G	38	5.499G	39	5.265G	40	5.252G
41	5.547G	42	5.255G	43	5.534G	44	5.296G
45	5.476G	46	5.524G	47	5.375G	48	5.404G
49	5.520G	50	5.508G	51	5.466G	52	5.718G
53	5.357G	54	5.530G	55	5.416G	56	5.453G
57	5.507G	58	5.589G	59	5.502G	60	5.273G
61	5.426G	62	5.695G	63	5.317G	64	5.409G
65	5.398G	66	5.292G	67	5.446G	68	5.637G
69	5.280G	70	5.393G	71	5.623G	72	5.379G
73	5.648G	74	5.535G	75	5.443G	76	5.461G
77	5.290G	78	5.490G	79	5.315G	80	5.611G
81	5.616G	82	5.659G	83	5.414G	84	5.259G
85	5.519G	86	5.700G	87	5.653G	88	5.638G
89	5.331G	90	5.350G	91	5.295G	92	5.528G
93	5.300G	94	5.720G	95	5.557G	96	5.441G
97	5.630G	98	5.401G	99	5.407G	100	5.655G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.697G	2	5.696G	3	5.648G	4	5.526G
5	5.320G	6	5.578G	7	5.474G	8	5.280G
9	5.400G	10	5.514G	11	5.457G	12	5.518G
13	5.412G	14	5.414G	15	5.264G	16	5.296G
17	5.332G	18	5.358G	19	5.287G	20	5.682G
21	5.673G	22	5.432G	23	5.403G	24	5.703G
25	5.286G	26	5.256G	27	5.314G	28	5.695G
29	5.356G	30	5.595G	31	5.267G	32	5.634G
33	5.670G	34	5.694G	35	5.517G	36	5.316G
37	5.423G	38	5.643G	39	5.558G	40	5.292G
41	5.625G	42	5.691G	43	5.388G	44	5.555G
45	5.619G	46	5.612G	47	5.509G	48	5.535G

49	5.485G	50	5.404G	51	5.680G	52	5.276G
53	5.675G	54	5.686G	55	5.531G	56	5.661G
57	5.709G	58	5.338G	59	5.581G	60	5.596G
61	5.510G	62	5.574G	63	5.506G	64	5.630G
65	5.623G	66	5.710G	67	5.315G	68	5.384G
69	5.335G	70	5.345G	71	5.588G	72	5.302G
73	5.499G	74	5.377G	75	5.520G	76	5.406G
77	5.355G	78	5.413G	79	5.626G	80	5.492G
81	5.410G	82	5.254G	83	5.401G	84	5.304G
85	5.580G	86	5.721G	87	5.435G	88	5.458G
89	5.374G	90	5.344G	91	5.609G	92	5.383G
93	5.532G	94	5.560G	95	5.676G	96	5.568G
97	5.306G	98	5.717G	99	5.360G	100	5.371G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.423G	2	5.632G	3	5.687G	4	5.475G
5	5.416G	6	5.321G	7	5.439G	8	5.505G
9	5.483G	10	5.356G	11	5.539G	12	5.642G
13	5.576G	14	5.476G	15	5.354G	16	5.350G
17	5.543G	18	5.334G	19	5.509G	20	5.311G
21	5.265G	22	5.620G	23	5.492G	24	5.410G
25	5.355G	26	5.429G	27	5.270G	28	5.496G
29	5.498G	30	5.581G	31	5.273G	32	5.654G
33	5.554G	34	5.688G	35	5.401G	36	5.681G
37	5.266G	38	5.369G	39	5.558G	40	5.263G
41	5.314G	42	5.342G	43	5.544G	44	5.331G
45	5.447G	46	5.720G	47	5.278G	48	5.374G
49	5.691G	50	5.597G	51	5.430G	52	5.328G
53	5.551G	54	5.535G	55	5.564G	56	5.388G
57	5.601G	58	5.394G	59	5.258G	60	5.333G
61	5.460G	62	5.552G	63	5.500G	64	5.432G
65	5.419G	66	5.638G	67	5.593G	68	5.668G
69	5.595G	70	5.338G	71	5.671G	72	5.698G
73	5.427G	74	5.357G	75	5.446G	76	5.537G
77	5.277G	78	5.478G	79	5.428G	80	5.347G

81	5.569G	82	5.646G	83	5.669G	84	5.550G
85	5.464G	86	5.445G	87	5.358G	88	5.340G
89	5.252G	90	5.586G	91	5.391G	92	5.612G
93	5.386G	94	5.511G	95	5.398G	96	5.666G
97	5.378G	98	5.596G	99	5.628G	100	5.370G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.507G	2	5.387G	3	5.408G	4	5.539G
5	5.486G	6	5.295G	7	5.587G	8	5.667G
9	5.713G	10	5.553G	11	5.621G	12	5.708G
13	5.717G	14	5.606G	15	5.325G	16	5.455G
17	5.424G	18	5.583G	19	5.331G	20	5.521G
21	5.365G	22	5.316G	23	5.418G	24	5.389G
25	5.723G	26	5.482G	27	5.432G	28	5.337G
29	5.430G	30	5.265G	31	5.535G	32	5.524G
33	5.503G	34	5.328G	35	5.659G	36	5.366G
37	5.622G	38	5.404G	39	5.607G	40	5.358G
41	5.705G	42	5.356G	43	5.259G	44	5.554G
45	5.559G	46	5.281G	47	5.676G	48	5.334G
49	5.287G	50	5.663G	51	5.502G	52	5.517G
53	5.691G	54	5.349G	55	5.585G	56	5.311G
57	5.351G	58	5.350G	59	5.532G	60	5.590G
61	5.563G	62	5.694G	63	5.400G	64	5.641G
65	5.314G	66	5.278G	67	5.409G	68	5.637G
69	5.372G	70	5.493G	71	5.260G	72	5.556G
73	5.574G	74	5.383G	75	5.449G	76	5.406G
77	5.557G	78	5.381G	79	5.494G	80	5.721G
81	5.267G	82	5.572G	83	5.302G	84	5.675G
85	5.436G	86	5.600G	87	5.375G	88	5.359G
89	5.463G	90	5.390G	91	5.352G	92	5.644G
93	5.425G	94	5.254G	95	5.401G	96	5.719G
97	5.704G	98	5.529G	99	5.413G	100	5.344G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.555G	2	5.535G	3	5.630G	4	5.654G
5	5.536G	6	5.467G	7	5.358G	8	5.290G
9	5.505G	10	5.302G	11	5.715G	12	5.276G
13	5.626G	14	5.572G	15	5.697G	16	5.606G
17	5.649G	18	5.363G	19	5.506G	20	5.648G
21	5.453G	22	5.724G	23	5.271G	24	5.556G
25	5.525G	26	5.487G	27	5.463G	28	5.338G
29	5.625G	30	5.547G	31	5.287G	32	5.434G
33	5.465G	34	5.569G	35	5.498G	36	5.607G
37	5.448G	38	5.567G	39	5.299G	40	5.468G
41	5.409G	42	5.591G	43	5.312G	44	5.622G
45	5.540G	46	5.430G	47	5.444G	48	5.373G
49	5.612G	50	5.578G	51	5.422G	52	5.449G
53	5.313G	54	5.721G	55	5.698G	56	5.379G
57	5.272G	58	5.558G	59	5.415G	60	5.634G
61	5.643G	62	5.472G	63	5.509G	64	5.596G
65	5.340G	66	5.291G	67	5.260G	68	5.604G
69	5.442G	70	5.586G	71	5.559G	72	5.583G
73	5.650G	74	5.296G	75	5.277G	76	5.663G
77	5.454G	78	5.669G	79	5.399G	80	5.495G
81	5.304G	82	5.429G	83	5.318G	84	5.507G
85	5.486G	86	5.461G	87	5.662G	88	5.552G
89	5.298G	90	5.598G	91	5.705G	92	5.723G
93	5.594G	94	5.381G	95	5.390G	96	5.692G
97	5.273G	98	5.286G	99	5.311G	100	5.644G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.389G	2	5.502G	3	5.259G	4	5.668G
5	5.626G	6	5.405G	7	5.319G	8	5.640G
9	5.450G	10	5.403G	11	5.646G	12	5.688G
13	5.700G	14	5.524G	15	5.423G	16	5.634G

17	5.415G	18	5.475G	19	5.568G	20	5.437G
21	5.332G	22	5.416G	23	5.712G	24	5.615G
25	5.627G	26	5.570G	27	5.458G	28	5.404G
29	5.315G	30	5.537G	31	5.281G	32	5.630G
33	5.276G	34	5.506G	35	5.720G	36	5.572G
37	5.514G	38	5.446G	39	5.447G	40	5.601G
41	5.694G	42	5.497G	43	5.666G	44	5.463G
45	5.487G	46	5.690G	47	5.622G	48	5.401G
49	5.430G	50	5.377G	51	5.513G	52	5.696G
53	5.476G	54	5.472G	55	5.449G	56	5.494G
57	5.624G	58	5.529G	59	5.280G	60	5.651G
61	5.588G	62	5.354G	63	5.633G	64	5.251G
65	5.400G	66	5.290G	67	5.607G	68	5.647G
69	5.561G	70	5.425G	71	5.460G	72	5.382G
73	5.605G	74	5.701G	75	5.373G	76	5.299G
77	5.419G	78	5.649G	79	5.583G	80	5.363G
81	5.336G	82	5.708G	83	5.302G	84	5.311G
85	5.431G	86	5.681G	87	5.584G	88	5.479G
89	5.380G	90	5.495G	91	5.501G	92	5.392G
93	5.619G	94	5.298G	95	5.391G	96	5.369G
97	5.365G	98	5.714G	99	5.402G	100	5.530G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.370G	2	5.513G	3	5.689G	4	5.698G
5	5.456G	6	5.307G	7	5.368G	8	5.697G
9	5.337G	10	5.636G	11	5.286G	12	5.692G
13	5.596G	14	5.711G	15	5.512G	16	5.282G
17	5.529G	18	5.366G	19	5.295G	20	5.545G
21	5.489G	22	5.588G	23	5.612G	24	5.267G
25	5.460G	26	5.470G	27	5.604G	28	5.654G
29	5.713G	30	5.675G	31	5.458G	32	5.712G
33	5.432G	34	5.428G	35	5.289G	36	5.336G
37	5.418G	38	5.407G	39	5.544G	40	5.682G
41	5.338G	42	5.667G	43	5.473G	44	5.535G
45	5.551G	46	5.411G	47	5.360G	48	5.526G

49	5.371G	50	5.447G	51	5.452G	52	5.686G
53	5.455G	54	5.621G	55	5.378G	56	5.449G
57	5.394G	58	5.623G	59	5.374G	60	5.401G
61	5.684G	62	5.389G	63	5.571G	64	5.546G
65	5.301G	66	5.640G	67	5.569G	68	5.487G
69	5.557G	70	5.327G	71	5.611G	72	5.265G
73	5.566G	74	5.254G	75	5.680G	76	5.643G
77	5.589G	78	5.617G	79	5.435G	80	5.258G
81	5.425G	82	5.408G	83	5.441G	84	5.527G
85	5.493G	86	5.560G	87	5.721G	88	5.463G
89	5.274G	90	5.537G	91	5.678G	92	5.723G
93	5.679G	94	5.625G	95	5.633G	96	5.340G
97	5.627G	98	5.701G	99	5.669G	100	5.515G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.381G	2	5.624G	3	5.427G	4	5.280G
5	5.329G	6	5.564G	7	5.571G	8	5.489G
9	5.561G	10	5.637G	11	5.410G	12	5.523G
13	5.253G	14	5.338G	15	5.454G	16	5.389G
17	5.678G	18	5.472G	19	5.264G	20	5.646G
21	5.530G	22	5.314G	23	5.705G	24	5.494G
25	5.604G	26	5.630G	27	5.387G	28	5.397G
29	5.382G	30	5.505G	31	5.354G	32	5.450G
33	5.502G	34	5.250G	35	5.325G	36	5.335G
37	5.256G	38	5.723G	39	5.514G	40	5.331G
41	5.452G	42	5.487G	43	5.399G	44	5.310G
45	5.302G	46	5.393G	47	5.583G	48	5.620G
49	5.614G	50	5.394G	51	5.654G	52	5.267G
53	5.716G	54	5.483G	55	5.453G	56	5.501G
57	5.645G	58	5.567G	59	5.351G	60	5.460G
61	5.698G	62	5.376G	63	5.343G	64	5.291G
65	5.529G	66	5.619G	67	5.633G	68	5.555G
69	5.535G	70	5.482G	71	5.327G	72	5.326G
73	5.295G	74	5.284G	75	5.319G	76	5.289G
77	5.603G	78	5.478G	79	5.442G	80	5.476G

81	5.547G	82	5.435G	83	5.714G	84	5.684G
85	5.309G	86	5.366G	87	5.273G	88	5.693G
89	5.436G	90	5.391G	91	5.613G	92	5.689G
93	5.330G	94	5.682G	95	5.570G	96	5.467G
97	5.527G	98	5.707G	99	5.557G	100	5.582G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.408G	2	5.413G	3	5.391G	4	5.340G
5	5.488G	6	5.255G	7	5.267G	8	5.598G
9	5.337G	10	5.417G	11	5.316G	12	5.384G
13	5.296G	14	5.353G	15	5.385G	16	5.352G
17	5.357G	18	5.257G	19	5.480G	20	5.515G
21	5.376G	22	5.528G	23	5.698G	24	5.479G
25	5.377G	26	5.487G	27	5.250G	28	5.716G
29	5.477G	30	5.626G	31	5.475G	32	5.632G
33	5.535G	34	5.344G	35	5.659G	36	5.646G
37	5.606G	38	5.358G	39	5.640G	40	5.608G
41	5.324G	42	5.466G	43	5.607G	44	5.669G
45	5.605G	46	5.724G	47	5.326G	48	5.285G
49	5.486G	50	5.427G	51	5.373G	52	5.592G
53	5.419G	54	5.678G	55	5.485G	56	5.597G
57	5.297G	58	5.685G	59	5.425G	60	5.354G
61	5.520G	62	5.497G	63	5.720G	64	5.418G
65	5.557G	66	5.650G	67	5.305G	68	5.673G
69	5.437G	70	5.292G	71	5.331G	72	5.642G
73	5.555G	74	5.663G	75	5.620G	76	5.269G
77	5.482G	78	5.374G	79	5.364G	80	5.302G
81	5.624G	82	5.680G	83	5.310G	84	5.690G
85	5.602G	86	5.651G	87	5.534G	88	5.472G
89	5.403G	90	5.706G	91	5.263G	92	5.628G
93	5.653G	94	5.473G	95	5.713G	96	5.398G
97	5.453G	98	5.703G	99	5.694G	100	5.551G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.611G	2	5.458G	3	5.698G	4	5.295G
5	5.672G	6	5.556G	7	5.659G	8	5.699G
9	5.349G	10	5.402G	11	5.416G	12	5.332G
13	5.357G	14	5.429G	15	5.394G	16	5.638G
17	5.439G	18	5.261G	19	5.374G	20	5.330G
21	5.612G	22	5.255G	23	5.634G	24	5.417G
25	5.598G	26	5.697G	27	5.578G	28	5.512G
29	5.285G	30	5.696G	31	5.559G	32	5.653G
33	5.657G	34	5.540G	35	5.363G	36	5.719G
37	5.257G	38	5.437G	39	5.627G	40	5.714G
41	5.315G	42	5.427G	43	5.701G	44	5.292G
45	5.497G	46	5.573G	47	5.267G	48	5.534G
49	5.577G	50	5.351G	51	5.462G	52	5.518G
53	5.270G	54	5.459G	55	5.474G	56	5.449G
57	5.382G	58	5.490G	59	5.561G	60	5.430G
61	5.478G	62	5.327G	63	5.300G	64	5.338G
65	5.371G	66	5.547G	67	5.322G	68	5.608G
69	5.376G	70	5.523G	71	5.301G	72	5.489G
73	5.592G	74	5.568G	75	5.496G	76	5.605G
77	5.299G	78	5.252G	79	5.563G	80	5.404G
81	5.641G	82	5.505G	83	5.486G	84	5.723G
85	5.443G	86	5.303G	87	5.378G	88	5.453G
89	5.481G	90	5.682G	91	5.461G	92	5.622G
93	5.623G	94	5.646G	95	5.398G	96	5.468G
97	5.348G	98	5.602G	99	5.308G	100	5.527G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.289G	2	5.476G	3	5.364G	4	5.671G
5	5.601G	6	5.323G	7	5.256G	8	5.608G
9	5.321G	10	5.351G	11	5.718G	12	5.281G
13	5.707G	14	5.327G	15	5.533G	16	5.679G

17	5.375G	18	5.258G	19	5.454G	20	5.409G
21	5.386G	22	5.675G	23	5.496G	24	5.515G
25	5.665G	26	5.260G	27	5.539G	28	5.438G
29	5.553G	30	5.691G	31	5.605G	32	5.497G
33	5.693G	34	5.566G	35	5.282G	36	5.652G
37	5.299G	38	5.557G	39	5.484G	40	5.667G
41	5.558G	42	5.273G	43	5.445G	44	5.334G
45	5.567G	46	5.692G	47	5.436G	48	5.656G
49	5.687G	50	5.720G	51	5.275G	52	5.481G
53	5.491G	54	5.452G	55	5.685G	56	5.449G
57	5.604G	58	5.272G	59	5.600G	60	5.541G
61	5.724G	62	5.410G	63	5.471G	64	5.540G
65	5.365G	66	5.711G	67	5.722G	68	5.348G
69	5.715G	70	5.595G	71	5.464G	72	5.714G
73	5.378G	74	5.427G	75	5.672G	76	5.469G
77	5.347G	78	5.371G	79	5.683G	80	5.482G
81	5.472G	82	5.639G	83	5.441G	84	5.537G
85	5.265G	86	5.606G	87	5.297G	88	5.511G
89	5.362G	90	5.649G	91	5.411G	92	5.307G
93	5.489G	94	5.651G	95	5.547G	96	5.579G
97	5.690G	98	5.276G	99	5.295G	100	5.450G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.467G	2	5.376G	3	5.425G	4	5.696G
5	5.278G	6	5.702G	7	5.607G	8	5.409G
9	5.463G	10	5.629G	11	5.509G	12	5.441G
13	5.711G	14	5.559G	15	5.475G	16	5.324G
17	5.634G	18	5.391G	19	5.631G	20	5.300G
21	5.536G	22	5.400G	23	5.692G	24	5.320G
25	5.626G	26	5.589G	27	5.520G	28	5.432G
29	5.619G	30	5.362G	31	5.369G	32	5.360G
33	5.698G	34	5.416G	35	5.602G	36	5.330G
37	5.669G	38	5.309G	39	5.336G	40	5.272G
41	5.393G	42	5.691G	43	5.277G	44	5.672G
45	5.492G	46	5.262G	47	5.396G	48	5.436G

49	5.313G	50	5.460G	51	5.584G	52	5.609G
53	5.404G	54	5.557G	55	5.574G	56	5.280G
57	5.263G	58	5.639G	59	5.382G	60	5.709G
61	5.565G	62	5.534G	63	5.363G	64	5.287G
65	5.658G	66	5.586G	67	5.721G	68	5.610G
69	5.542G	70	5.655G	71	5.316G	72	5.543G
73	5.474G	74	5.693G	75	5.418G	76	5.279G
77	5.378G	78	5.469G	79	5.674G	80	5.471G
81	5.712G	82	5.283G	83	5.487G	84	5.513G
85	5.488G	86	5.412G	87	5.638G	88	5.458G
89	5.411G	90	5.722G	91	5.281G	92	5.718G
93	5.547G	94	5.325G	95	5.406G	96	5.252G
97	5.484G	98	5.644G	99	5.640G	100	5.577G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.479G	2	5.602G	3	5.291G	4	5.599G
5	5.620G	6	5.670G	7	5.303G	8	5.694G
9	5.597G	10	5.395G	11	5.689G	12	5.263G
13	5.340G	14	5.515G	15	5.417G	16	5.700G
17	5.272G	18	5.347G	19	5.716G	20	5.345G
21	5.570G	22	5.365G	23	5.253G	24	5.415G
25	5.600G	26	5.633G	27	5.576G	28	5.637G
29	5.710G	30	5.470G	31	5.404G	32	5.645G
33	5.565G	34	5.545G	35	5.301G	36	5.586G
37	5.384G	38	5.390G	39	5.401G	40	5.612G
41	5.719G	42	5.558G	43	5.363G	44	5.658G
45	5.653G	46	5.422G	47	5.517G	48	5.635G
49	5.428G	50	5.484G	51	5.723G	52	5.375G
53	5.605G	54	5.532G	55	5.481G	56	5.480G
57	5.578G	58	5.491G	59	5.315G	60	5.409G
61	5.547G	62	5.278G	63	5.381G	64	5.590G
65	5.313G	66	5.255G	67	5.299G	68	5.344G
69	5.430G	70	5.471G	71	5.688G	72	5.264G
73	5.358G	74	5.669G	75	5.483G	76	5.582G
77	5.711G	78	5.360G	79	5.371G	80	5.366G

81	5.256G	82	5.411G	83	5.392G	84	5.460G
85	5.615G	86	5.715G	87	5.464G	88	5.572G
89	5.321G	90	5.522G	91	5.378G	92	5.528G
93	5.351G	94	5.554G	95	5.527G	96	5.336G
97	5.674G	98	5.309G	99	5.410G	100	5.443G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.491G	2	5.437G	3	5.595G	4	5.388G
5	5.279G	6	5.503G	7	5.401G	8	5.253G
9	5.447G	10	5.400G	11	5.617G	12	5.263G
13	5.542G	14	5.536G	15	5.415G	16	5.359G
17	5.553G	18	5.658G	19	5.371G	20	5.522G
21	5.291G	22	5.368G	23	5.347G	24	5.379G
25	5.258G	26	5.669G	27	5.539G	28	5.395G
29	5.297G	30	5.566G	31	5.592G	32	5.570G
33	5.410G	34	5.714G	35	5.402G	36	5.694G
37	5.498G	38	5.251G	39	5.559G	40	5.301G
41	5.414G	42	5.403G	43	5.278G	44	5.516G
45	5.520G	46	5.552G	47	5.389G	48	5.373G
49	5.613G	50	5.506G	51	5.494G	52	5.354G
53	5.525G	54	5.513G	55	5.618G	56	5.326G
57	5.493G	58	5.581G	59	5.335G	60	5.355G
61	5.390G	62	5.276G	63	5.254G	64	5.499G
65	5.363G	66	5.299G	67	5.406G	68	5.698G
69	5.602G	70	5.292G	71	5.700G	72	5.260G
73	5.273G	74	5.298G	75	5.594G	76	5.512G
77	5.302G	78	5.449G	79	5.443G	80	5.434G
81	5.480G	82	5.376G	83	5.418G	84	5.723G
85	5.579G	86	5.328G	87	5.339G	88	5.565G
89	5.678G	90	5.596G	91	5.398G	92	5.606G
93	5.646G	94	5.543G	95	5.314G	96	5.438G
97	5.624G	98	5.259G	99	5.523G	100	5.623G