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DFS TEST REPORT

REPORT NO.: RF971031L01-2

MODEL NO.: 74-4876-04

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TESTED: Dec. 01, 2008

ISSUED: Dec. 12, 2008

APPLICANT: HON HAI Precision IND., CO., LTD.

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ISSUED BY: Bureau Veritas Consumer Products Services
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1. LAB DECLARATION

PRODUCT: 802.11 a/b/g/n MiniPCI module

MODEL: 74-4876-04

BRAND: Cisco

APPLICANT: HON HAI Precision IND., CO., LTD.

TESTED: Dec. 01, 2008

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 15, Subpart E (Section 15.407)

FCC 06-96

The above equipment (model: 74-4876-04) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

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2. EUT INFORMATION

2.1 OPERATING FREQUENCY BANDS AND MODE OF EUT

TABLE 1: OPERATING FREQUENCY BANDS AND MODE OF EUT

OPERATIONAL MODE	OPERATING FREQUENCY RANGE	
	5250~5350MHz	5470~5725MHz
Master	✓	✓

2.2 EUT SOFTWARE AND FIRMWARE VERSION

TABLE 2: THE EUT SOFTWARE/FIRMWARE VERSION

NO.	PRODUCT	MODEL NO.	SOFTWARE/FIRMWARE VERSION
1	802.11b/g/a/n/ MiniPCI module	74-4876-04	12.4
2	STEELER	Cisco891-W	AP801AGN-A-K9 12.4

Note: The MiniPCI module (74-4876-04) is in STEELER (Cisco891-W).

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

TABLE 3: ANTENNA LIST

ANT NO.	ANTENNA TYPE	OPERATION FREQUENCY RANGE (MHz)	MAX. GAIN (dBi)
1	Dipole	5250 – 5350 MHz	5
1	Dipole	5470 – 5725 MHz	5

2.4 EUT MAXIMUM AND MINIMUM CONDUCTED POWER

TABLE 4: THE MEASURED CONDUCTED OUTPUT POWER

IEEE 802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	15.11	32.434	8	6.31
1	5470~5725	15.08	32.211	8	6.31

DRAFT 802.11n (20MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	16.10	40.741	8	6.31
1	5470~5725	16.06	40.368	8	6.31

DRAFT 802.11n (40MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	16.06	40.322	8	6.31
1	5470~5725	16.07	40.461	8	6.31

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

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

IEEE 802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	20.11	102.565	13	19.953
1	5470~5725	20.08	101.859	13	19.953

DRAFT 802.11n (20MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	21.10	128.825	13	19.953
1	5470~5725	21.06	127.644	13	19.953

DRAFT 802.11n (40MHz)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER		MIN. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	21.06	127.644	13	19.953
1	5470~5725	21.07	127.938	13	19.953

3. U-NII DFS RULE REQUIREMENTS

3.1 WORKING MODES AND REQUIRED TEST ITEMS

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 1 and 2 for the applicability of DFS requirements for each of the operational modes.

TABLE 6: APPLICABILITY OF DFS REQUIREMENTS PRIOR TO USE A CHANNEL

REQUIREMENT	OPERATIONAL MODE		
	MASTER	CLIENT WITHOUT RADAR DETECTION	CLIENT WITH RADAR DETECTION
Non-Occupancy Period	✓	Not required	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
Uniform Spreading	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

TABLE 7: APPLICABILITY OF DFS REQUIREMENTS DURING NORMAL OPERATION

REQUIREMENT	OPERATIONAL MODE		
	MASTER	CLIENT WITHOUT RADAR DETECTION	CLIENT WITH RADAR DETECTION
DFS Detection Threshold	✓	Not required	✓
Channel Closing Transmission Time	✓	✓	✓
Channel Move Time	✓	✓	✓
U-NII Detection Bandwidth	✓	Not required	✓

3.2 TEST LIMITS AND RADAR SIGNAL PARAMETERS

DETECTION THRESHOLD VALUES

TABLE 8: DFS DETECTION THRESHOLDS FOR MASTER DEVICES AND CLIENT DEVICES WITH RADAR DETECTION

MAXIMUM TRANSMIT POWER	VALUE (SEE Note 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	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
R&S Spectrum analyzer	FSP40	R&S	Oct. 21, 2008	Oct. 21, 2009
Signal generator	8645A	Agilent	Jun. 10, 2008	Jun. 09, 2009
Oscilloscope	TDS 5104	Tektronix	Sep. 01, 2008	Aug. 31, 2009
Control PC	Pavilion a320d	HP	--	

4.2 DESCRIPTION OF SUPPORT UNITS

TABLE 2: SUPPORT UNIT INFORMATION.

NO.	PRODUCT	BRAND	MODEL NO.	ID
1	IEEE 802.11a/b/g/n Cardbus	ATHEROS	AR5BCB-0072TA	PPD-AR5BCB-00072

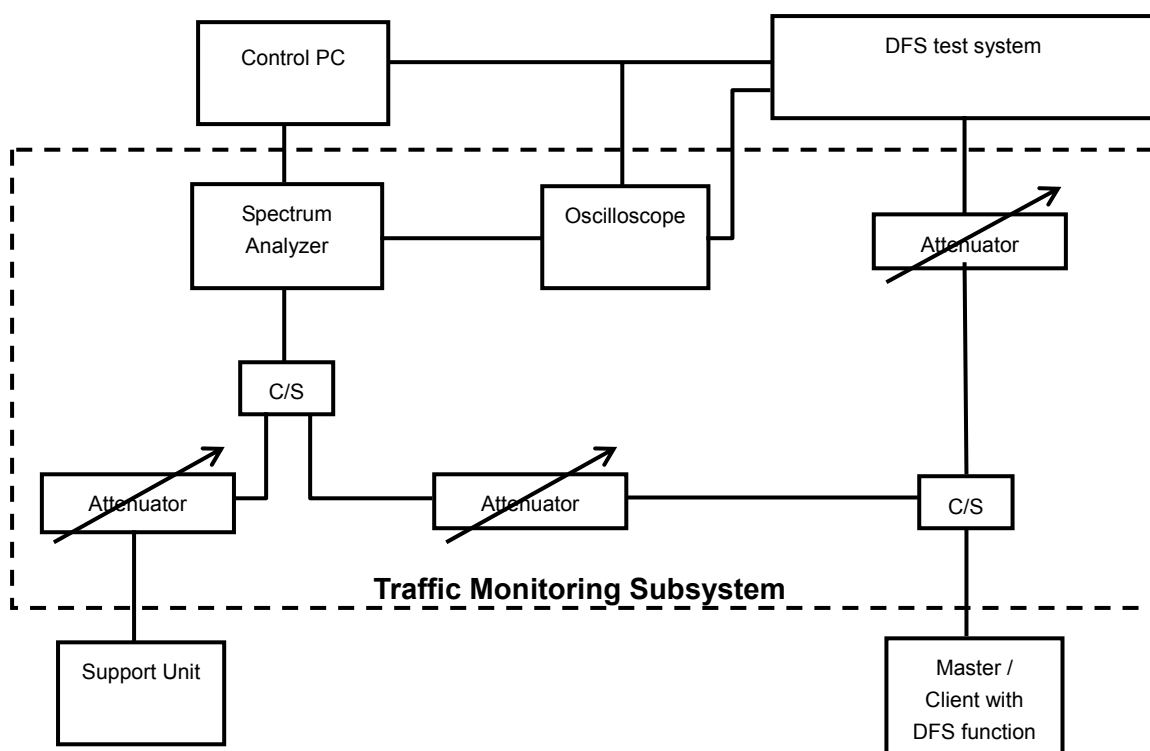
NOTE: This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

5. TEST PROCEDURE

5.1 BV ADT DFS MEASUREMENT SYSTEM:

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

CONDUCTED SETUP CONFIGURATION OF ADT DFS MEASUREMENT SYSTEM



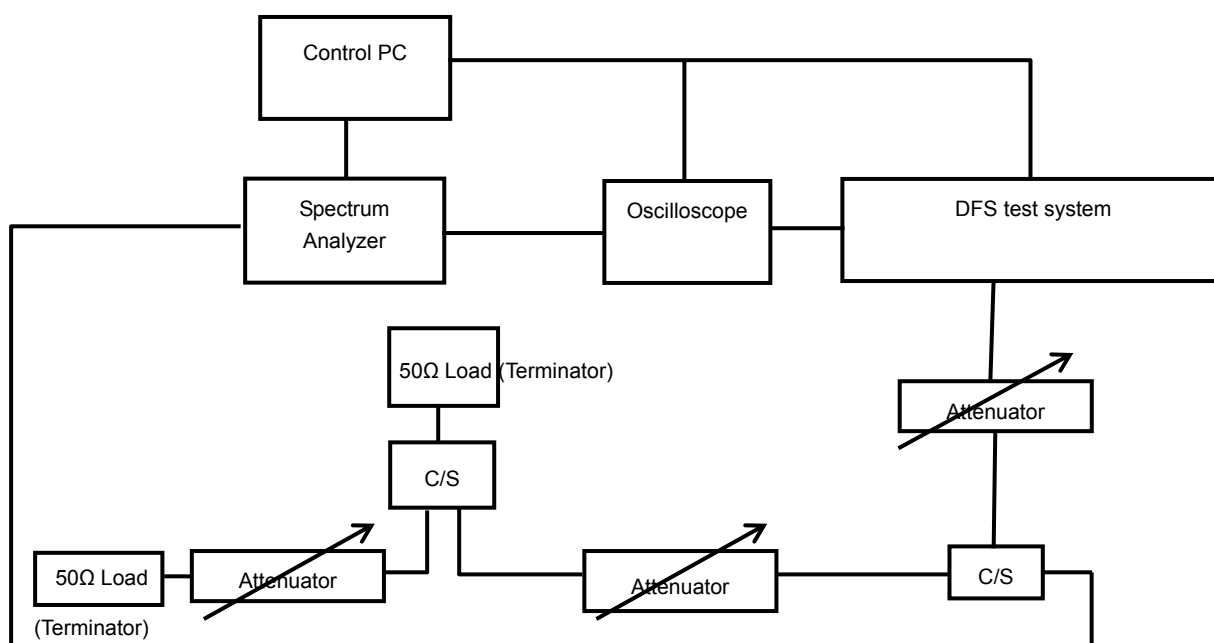
The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at:

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

5.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:

The measured channel is 5500MHz. The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The Master antenna gain is 5 dBi Cable loss is 1 dB, margin is 3 dB and required detection threshold is -61 dBm ($= -62+5-1-3$)dBm.

CONDUCTED SETUP CONFIGURATION OF CALIBRATION OF DFS DETECTION THRESHOLD LEVEL

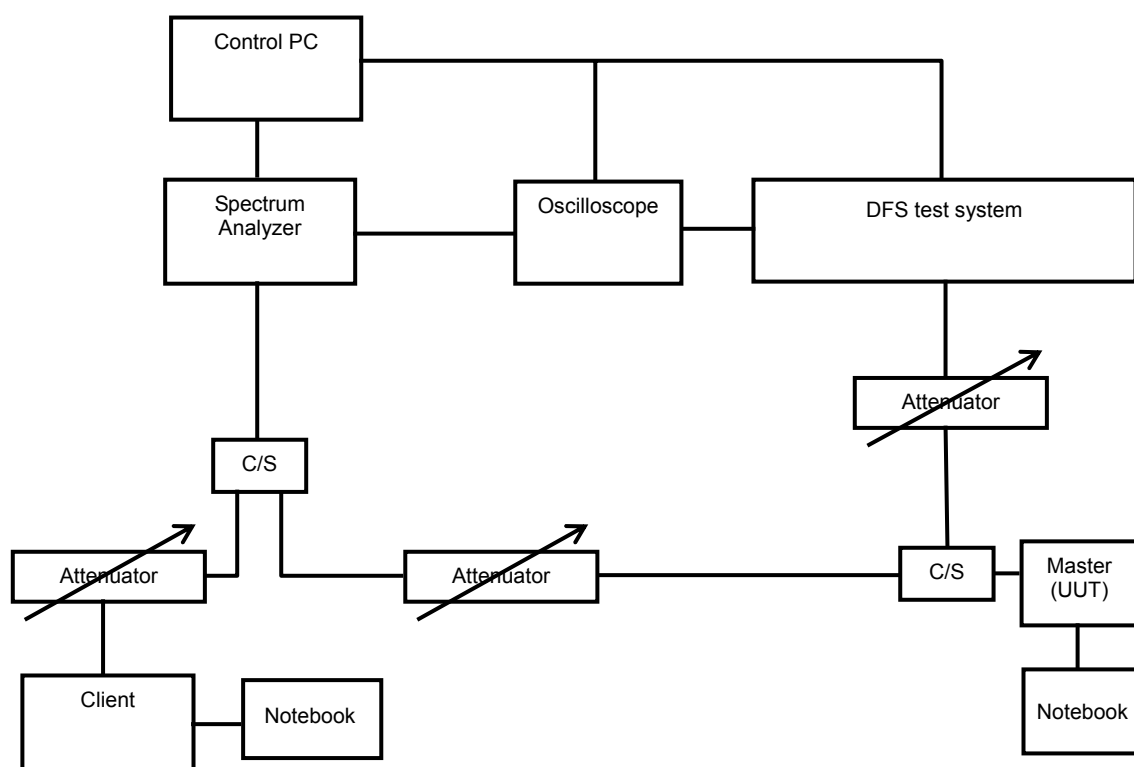


5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 CONDUCTED TEST SETUP CONFIGURATION

5.4.1 MASTER MODE



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

6. TEST RESULTS

6.1 SUMMARY OF TEST RESULTS

CLAUSE	TEST PARAMETER	REMARKS	PASS/FAIL
15.407	DFS Detection Threshold	Applicable	Pass
15.407	Channel Availability Check Time	Applicable	Pass
15.407	Channel Move Time	Applicable	Pass
15.407	Channel Closing Transmission Time	Applicable	Pass
15.407	Non- Occupancy Period	Applicable	Pass
15.407	Uniform Spreading	Applicable	Pass
15.407	U-NII Detection Bandwidth	Applicable	Pass
15.407	Non-associated test	Applicable	Pass

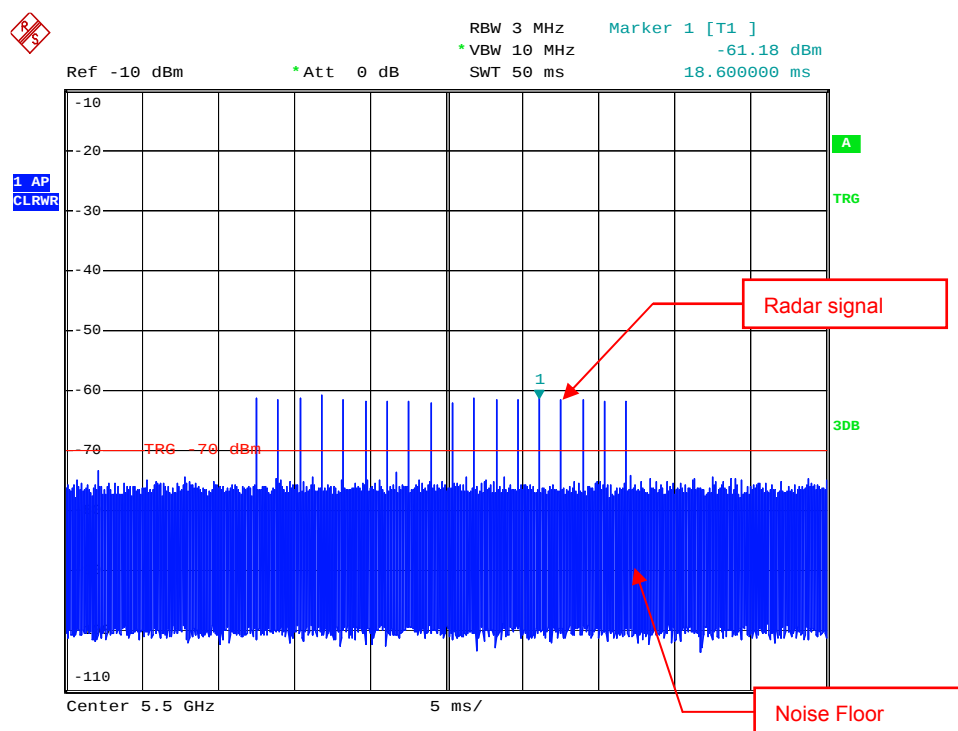
6.2 DETELED TEST RESULTS

6.2.1 TEST MODE: DEVICE OPERATING IN MASTER MODE

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

6.2.1.1 DFS DETECTION THRESHOLD

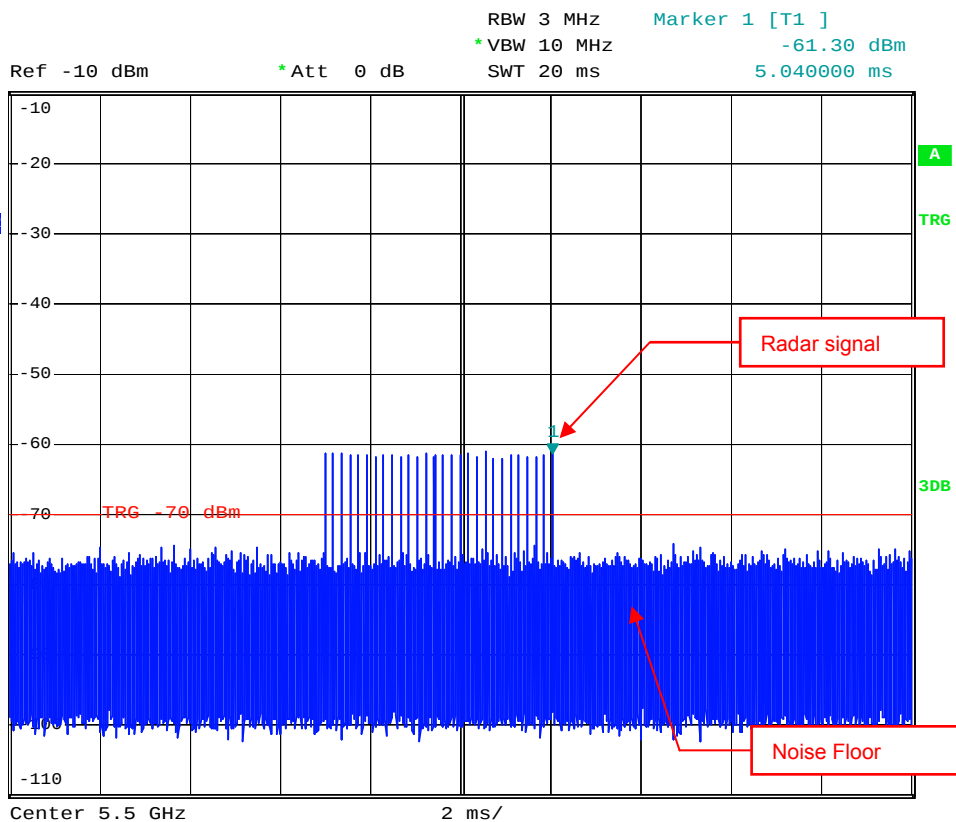
For a detection threshold level of -62dBm and the Master antenna gain is 5 dBi , Cable loss is 1 dB , margin is 3 dB and required detection threshold is -61 dBm ($= -62 + 5 - 1 - 3$)dBm. The conducted radar burst level is set to -61 dBm .



Radar Signal 1



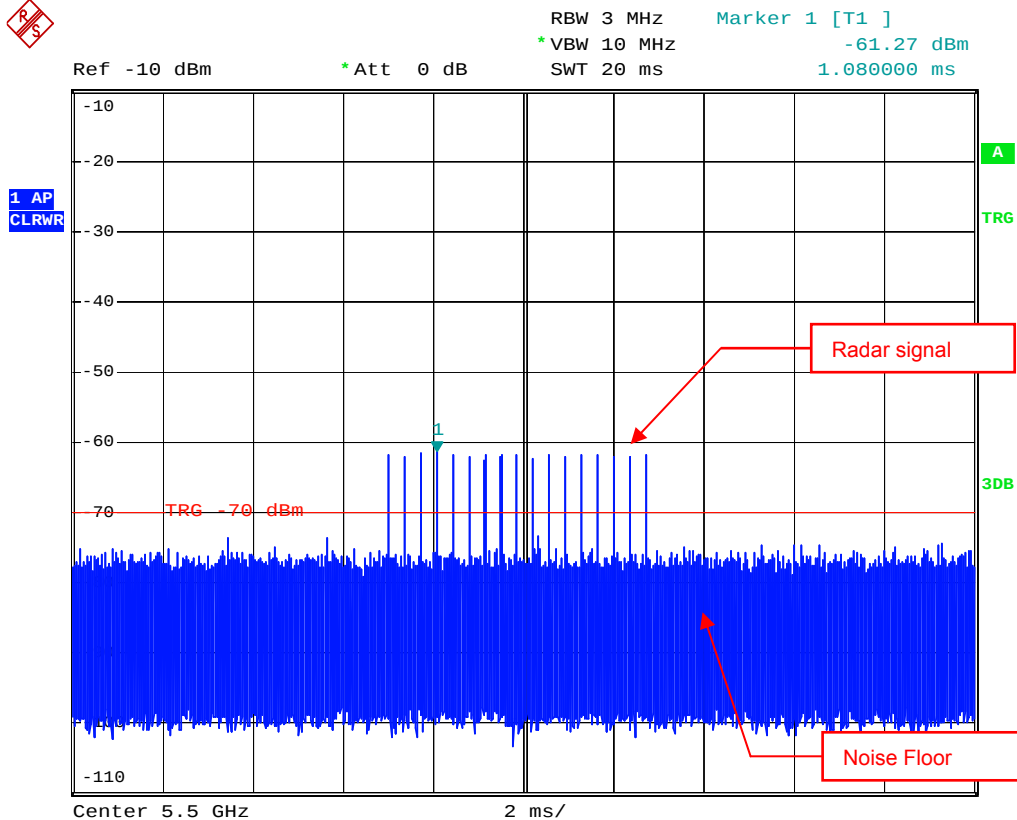
1 AP
CLRWR



Radar Signal 2



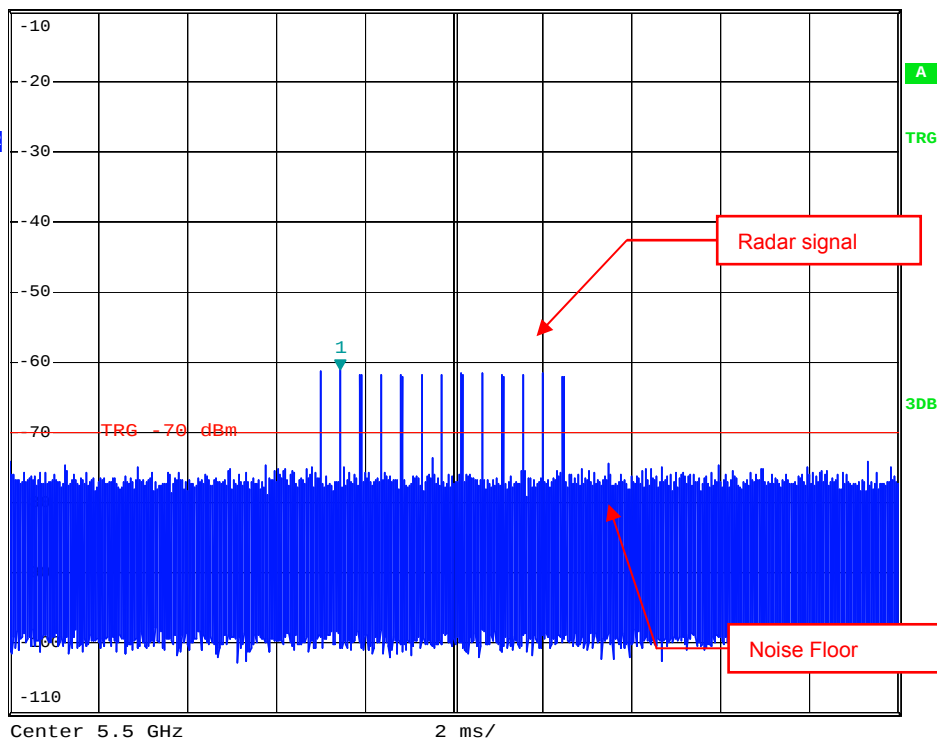
A D T



Radar Signal 3


1 AP
CLRWR

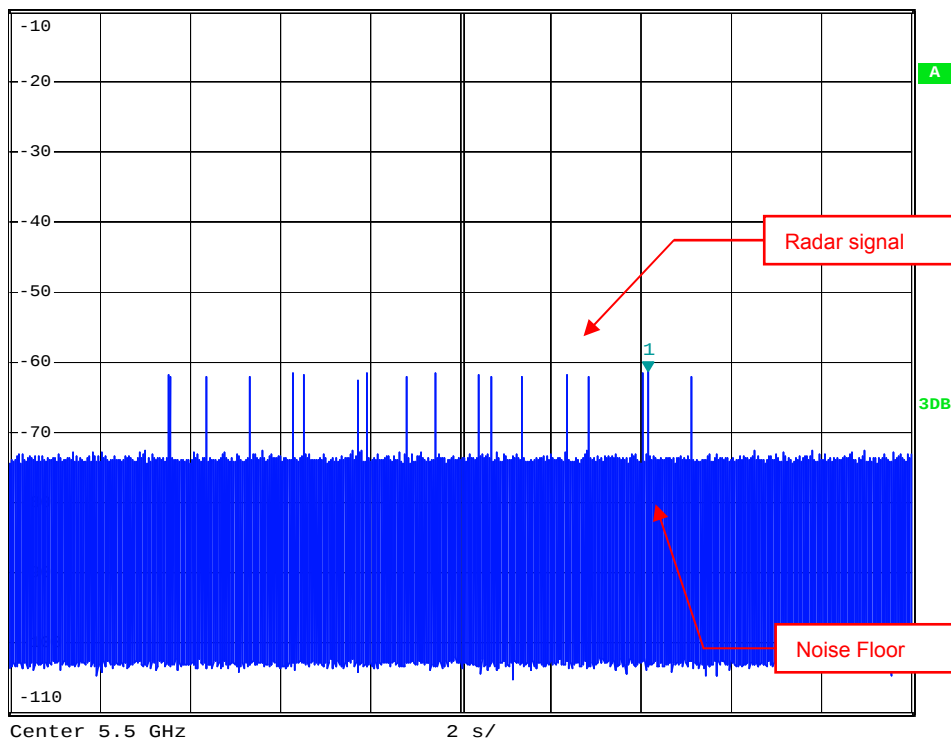
Ref -10 dBm *Att 0 dB RBW 3 MHz Marker 1 [T1] -61.15 dBm
*VBW 10 MHz SWT 20 ms 440.000000 μ s



Radar Signal 4


1 AP
VIEW

Ref -10 dBm *Att 0 dB RBW 3 MHz Marker 1 [T1] -61.37 dBm
*VBW 10 MHz SWT 20 s 14.151000 s

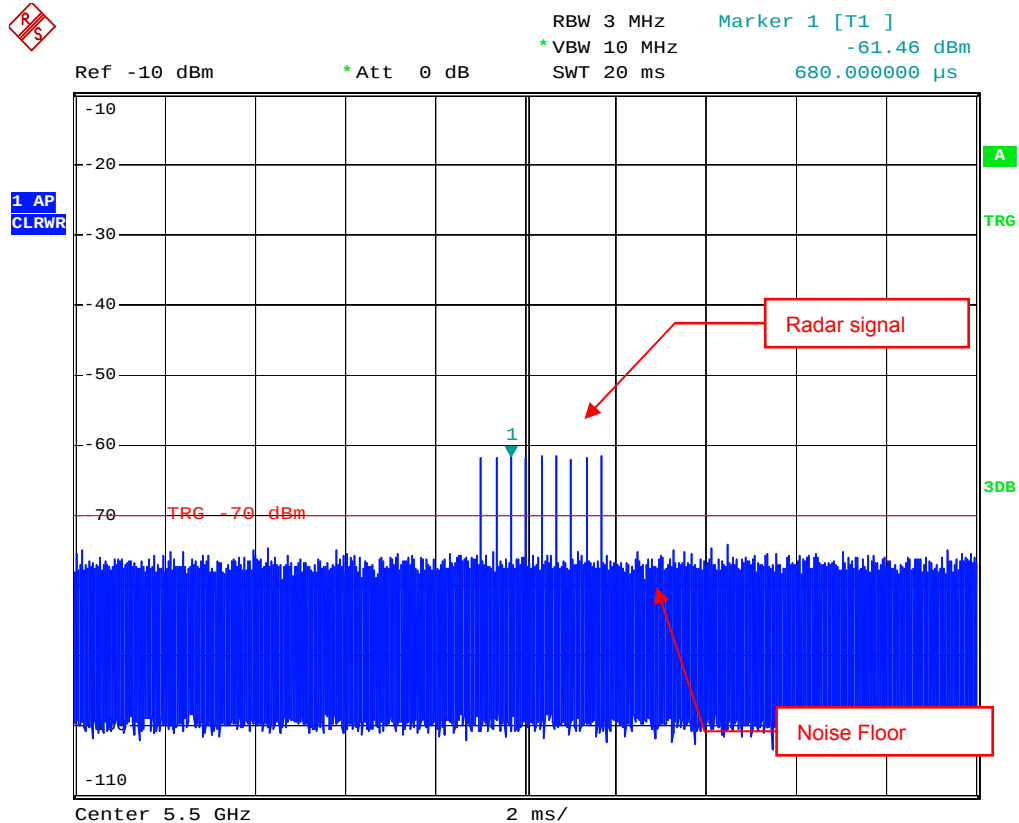


Radar Signal 5





A D T



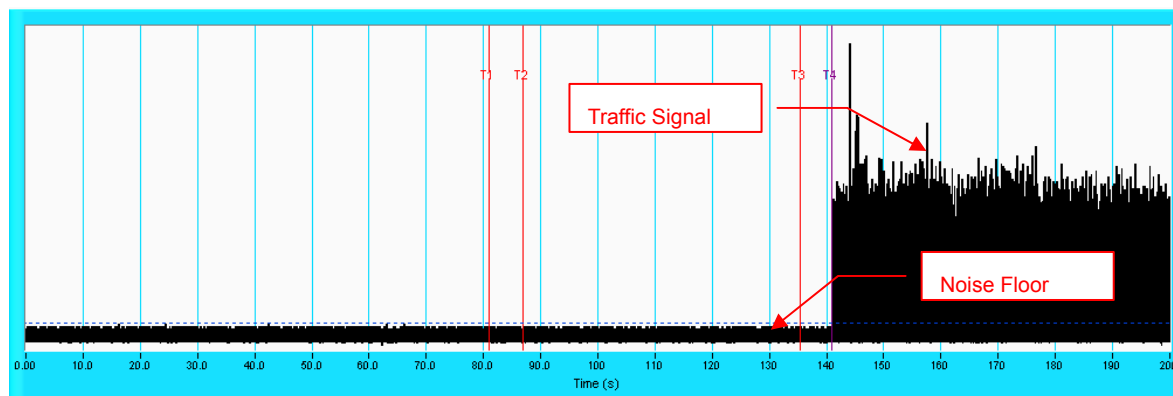
Radar Signal 6

6.2.1.2 CHANNEL AVAILABILITY CHECK TIME

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

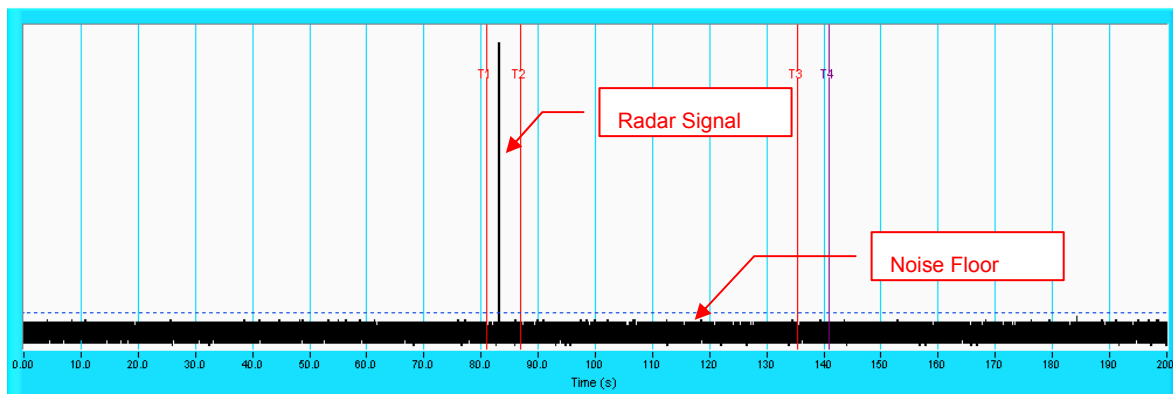
Timing of Radar Signal	Observation	
	UUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



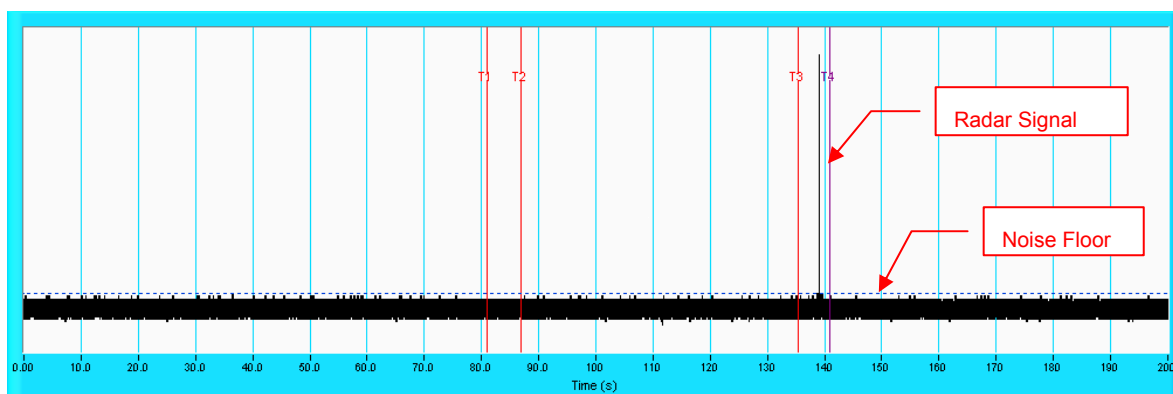
NOTE: T1 denotes the end of power-up time period is 81 second. T4 denotes the end of Channel Availability Check time is 141 second. Channel Availability Check time is equal to $(T4 - T1)$ 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 81 second. T2 denotes 87 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 141 second.

Radar Burst at the End of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 81 second. T3 denotes 135 second and T4 denotes the 141 second. The radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence.

6.2.1.3 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

IEEE 802.11n 20MHz

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	86.7
2	1-5	150-230	23-29	30	73.3
3	6-10	200-500	16-18	30	76.7
4	11-20	200-500	12-16	30	83.3
Aggregate (Radar Types 1-4)				120	80

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	93.3

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	93.3

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	83.3
2	1-5	150-230	23-29	30	80.0
3	6-10	200-500	16-18	30	80.0
4	11-20	200-500	12-16	30	83.3
Aggregate (Radar Types 1-4)				120	81.7

Table 2: Long Pulse Radar Test Waveform

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

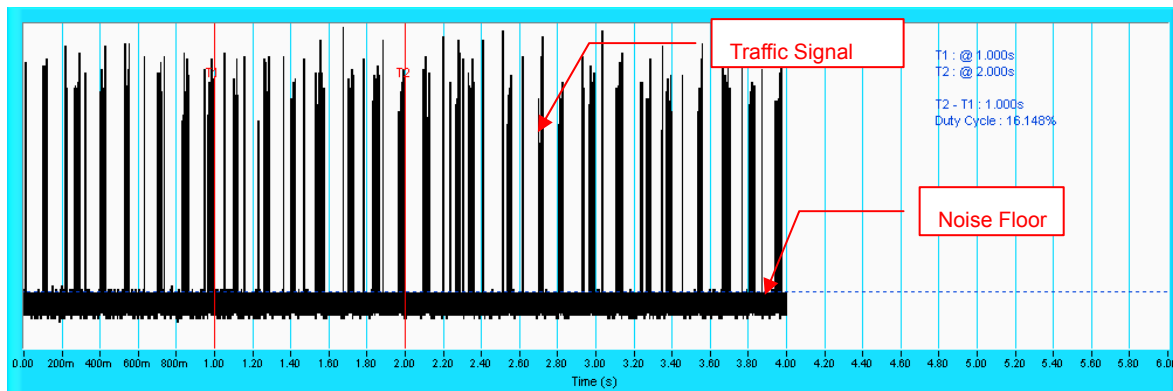
Table 3: Frequency Hopping Radar Test Waveform

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

WLAN TRAFFIC

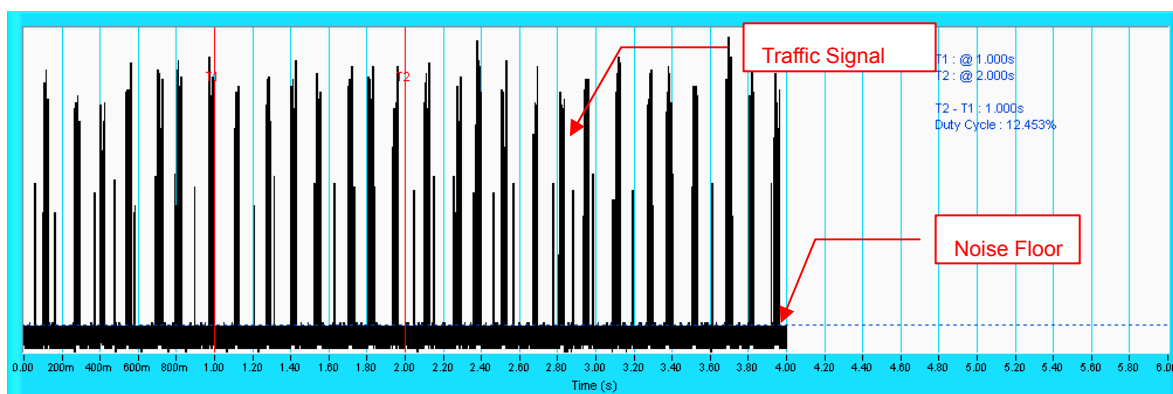
IEEE 802.11n 20MHz

Date Rate: MCS4



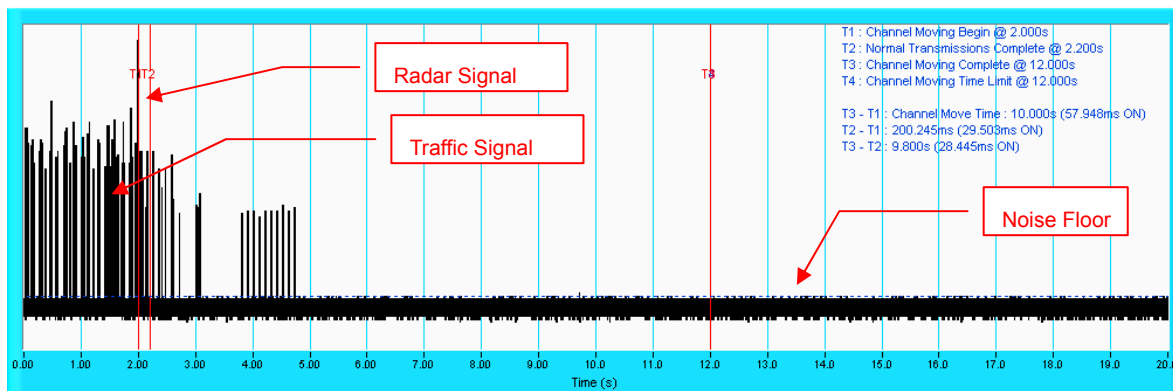
IEEE 802.11n 40MHz

Date Rate: MCS2

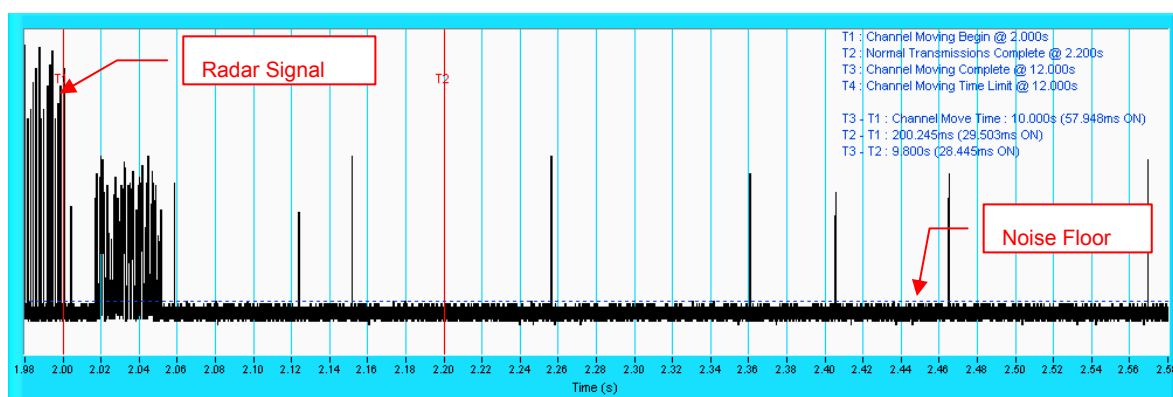


Radar signal 1

IEEE 802.11n 20MHz.

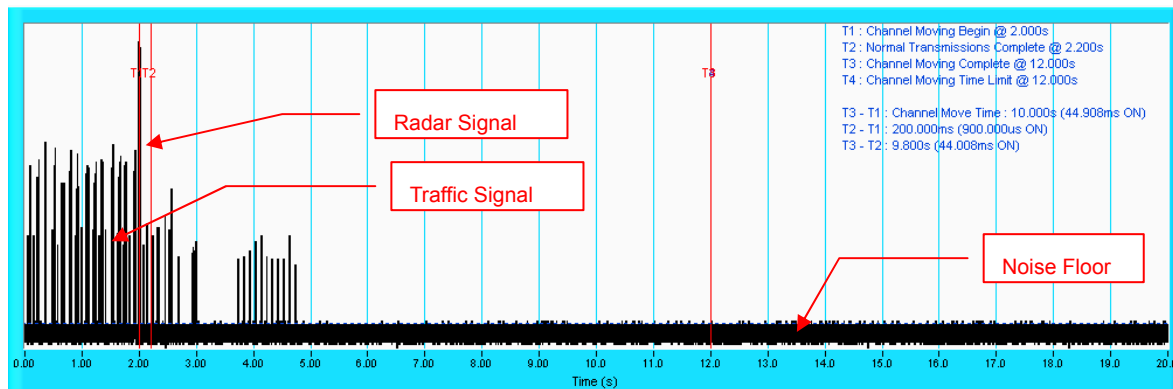


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

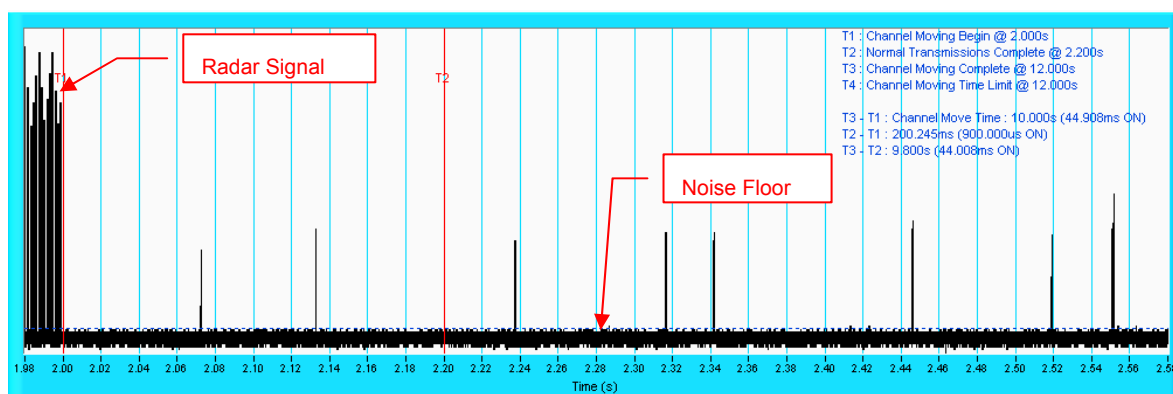


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11n 40MHz.



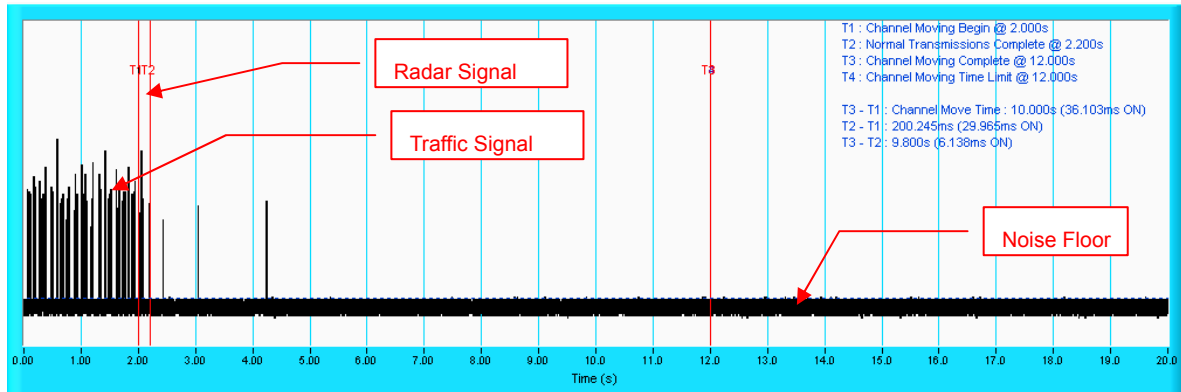
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



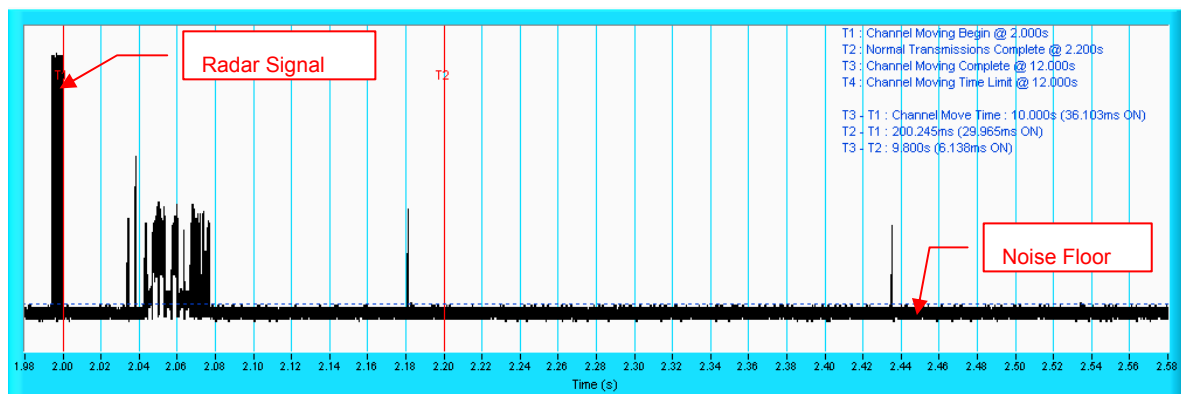
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 2

IEEE 802.11n 20MHz.

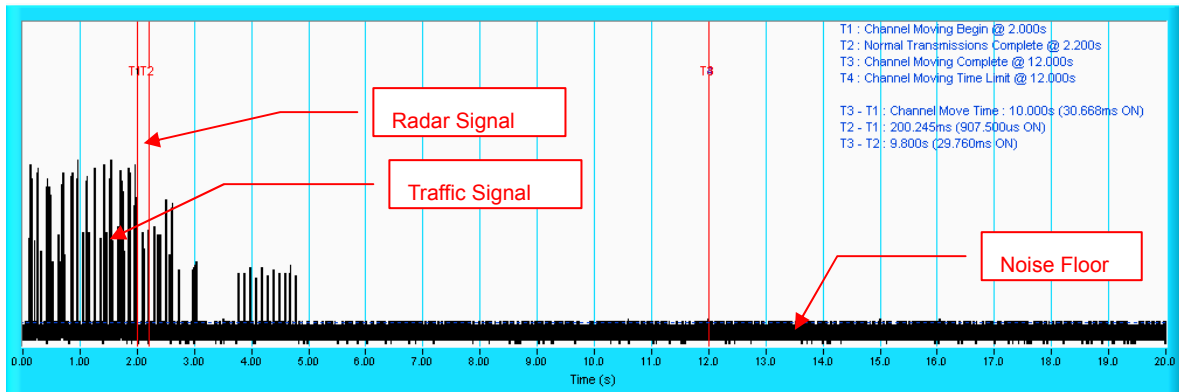


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

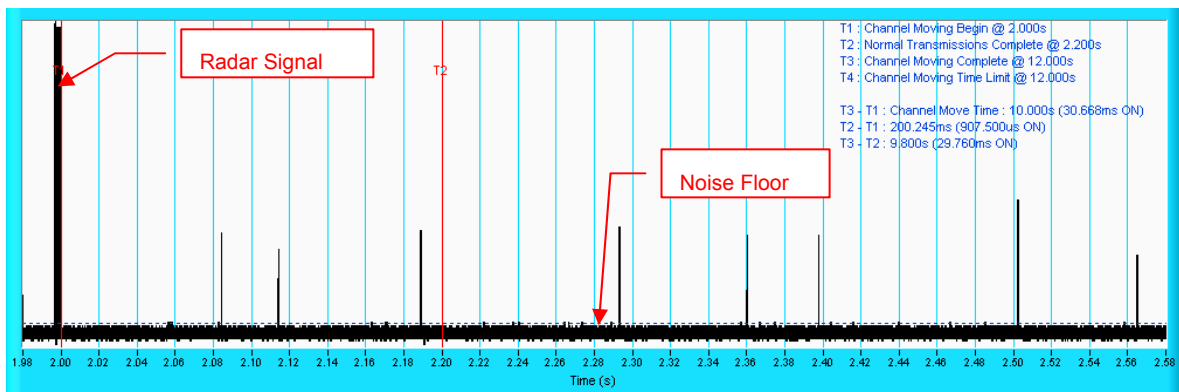


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11n 40MHz.



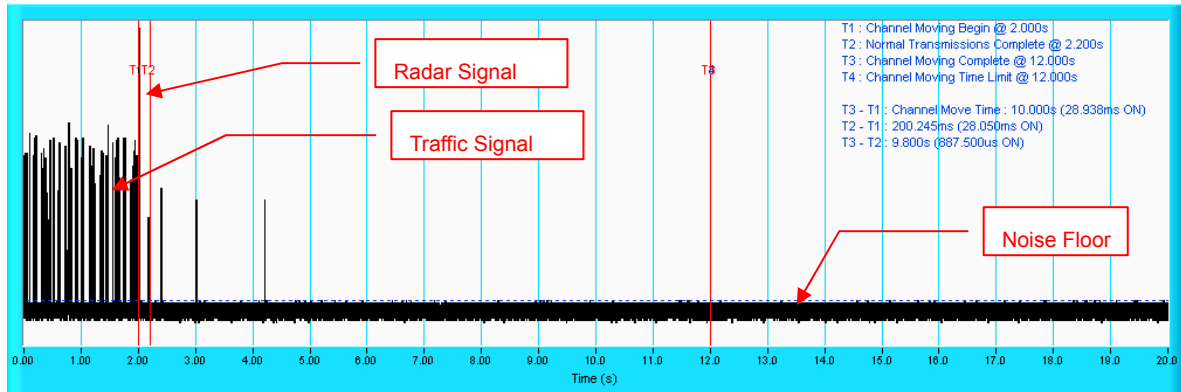
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



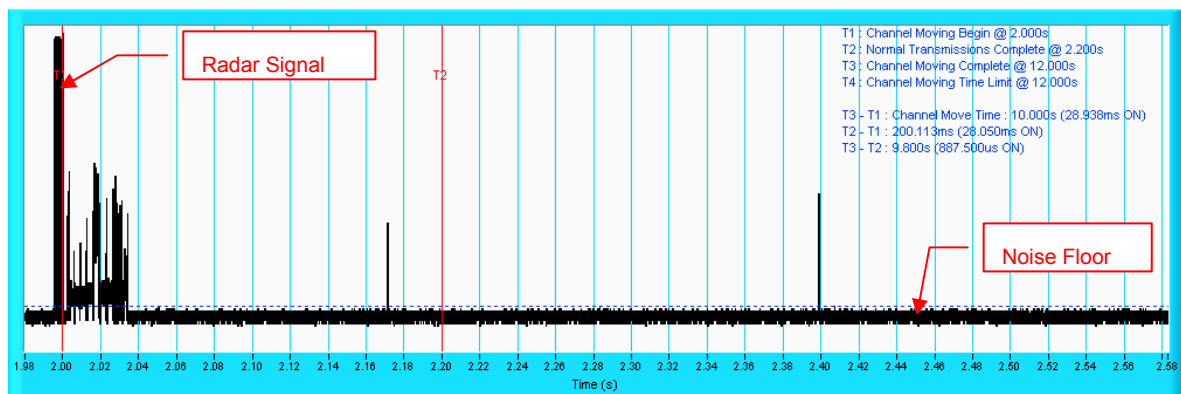
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 3

IEEE 802.11n 20MHz.

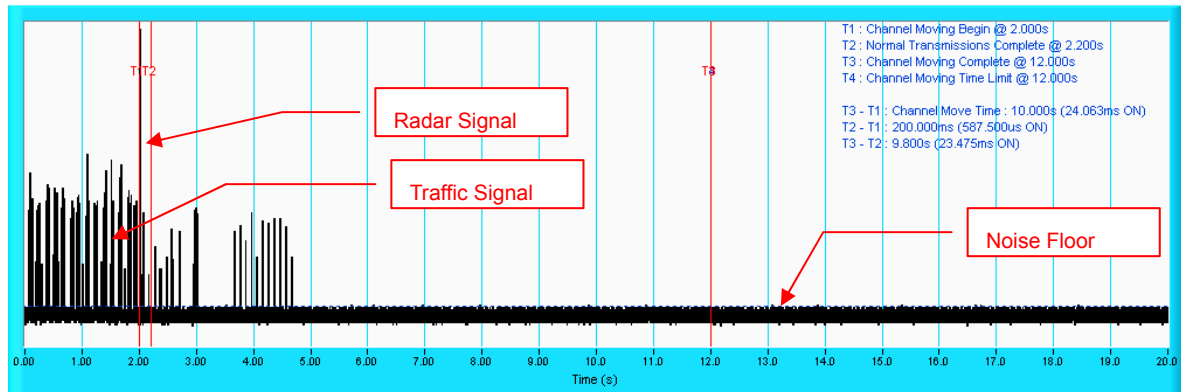


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

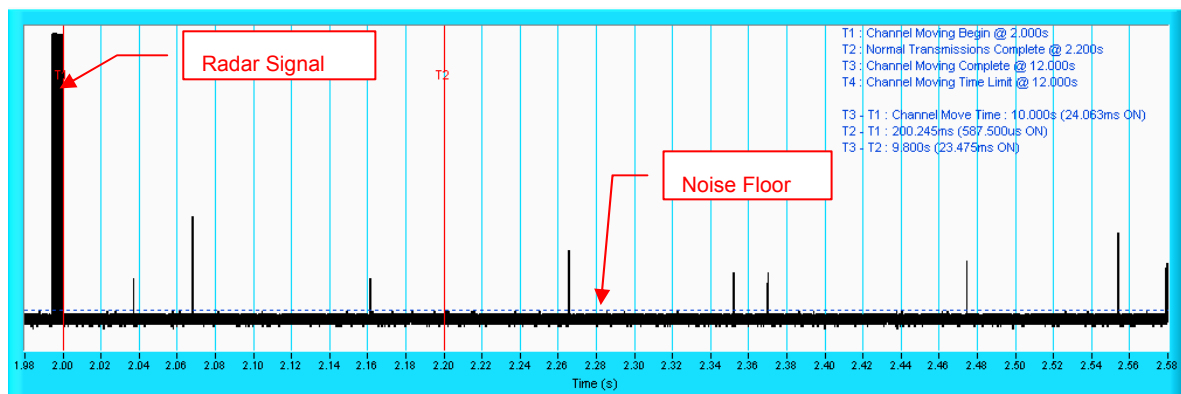


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11n 40MHz.



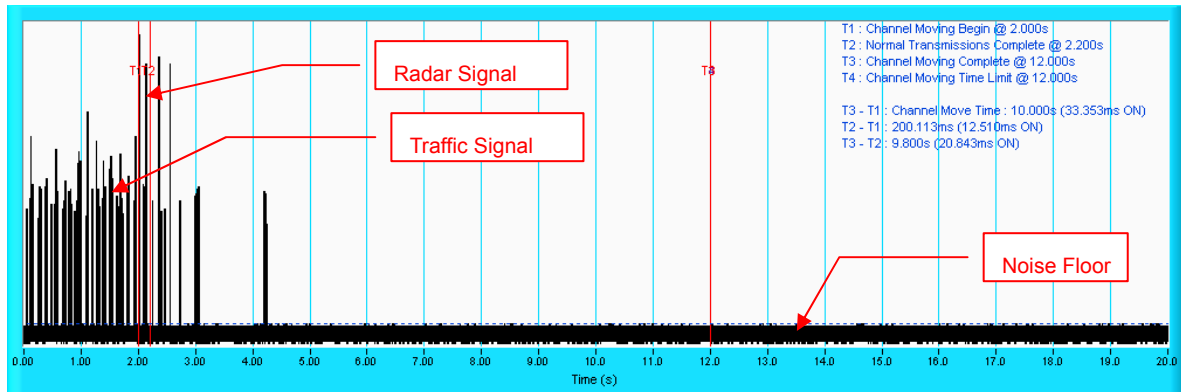
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



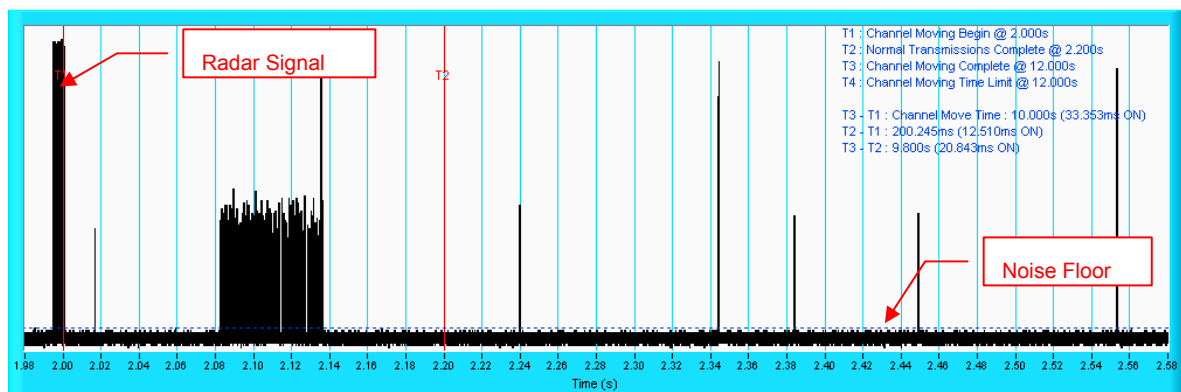
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 4

IEEE 802.11n 20MHz.

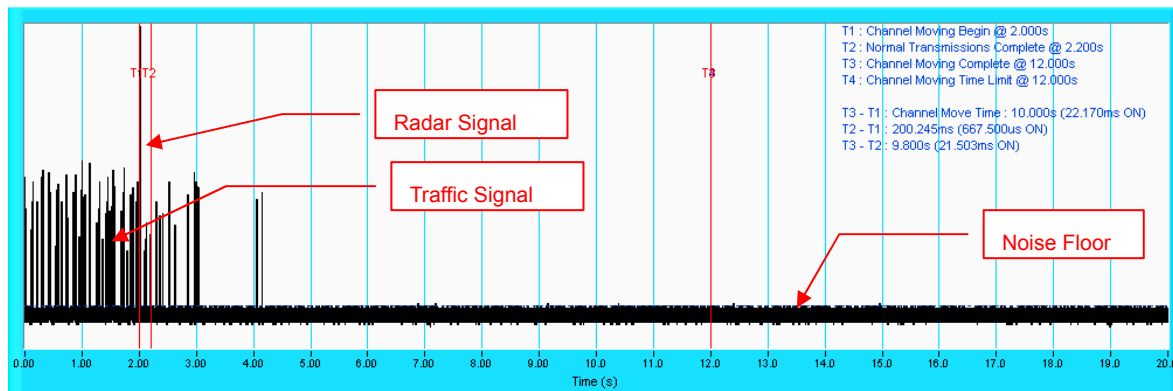


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

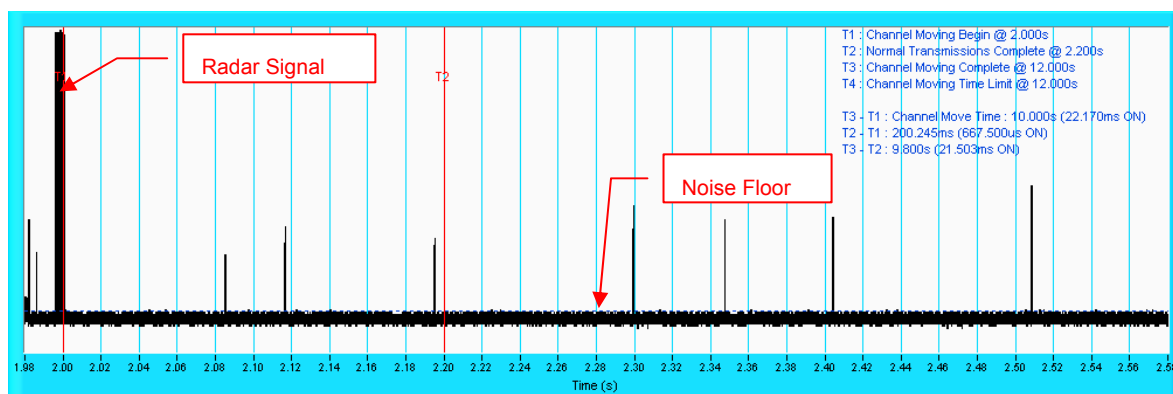


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11n 40MHz.



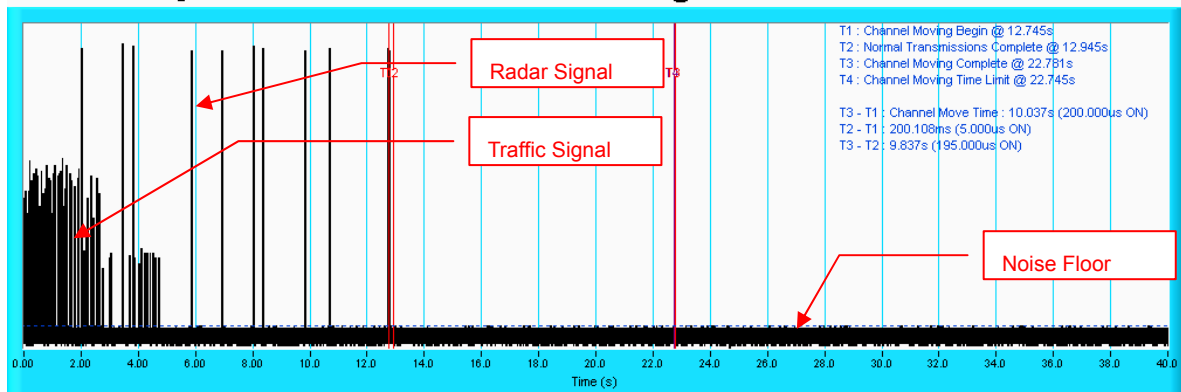
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



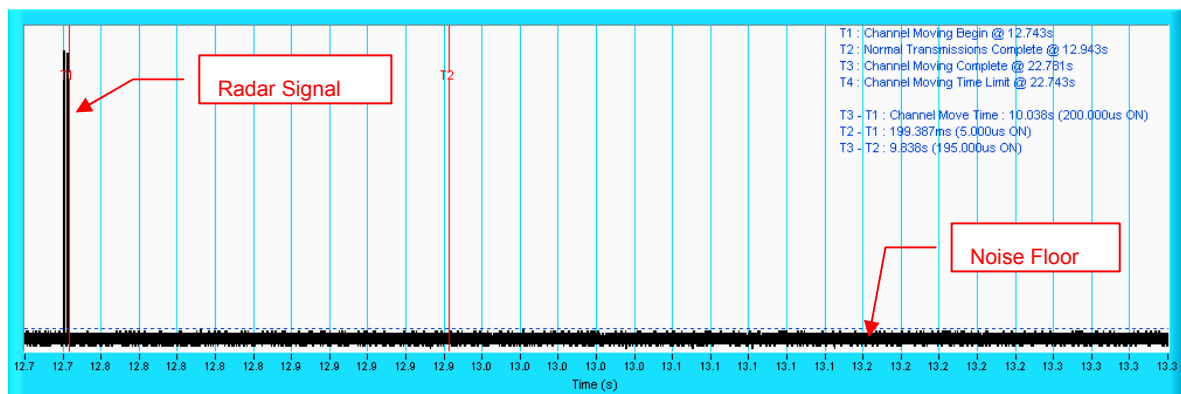
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 5

IEEE 802.11n 20MHz.

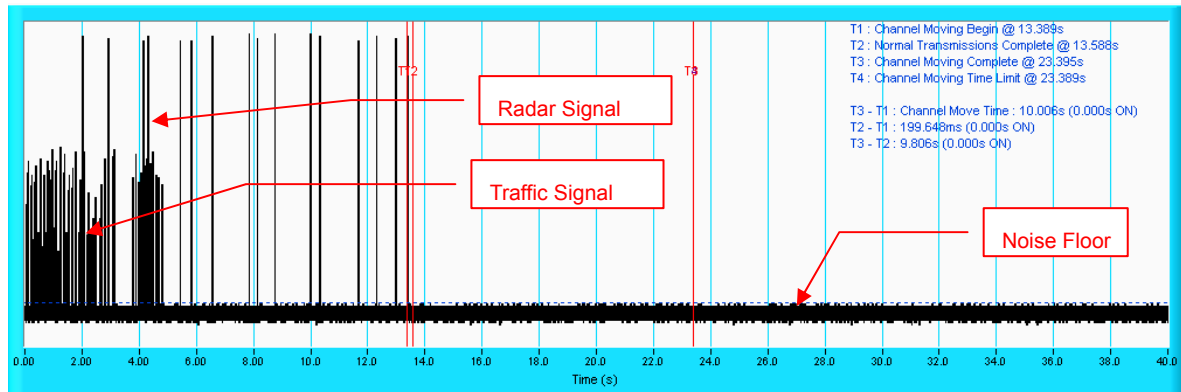


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

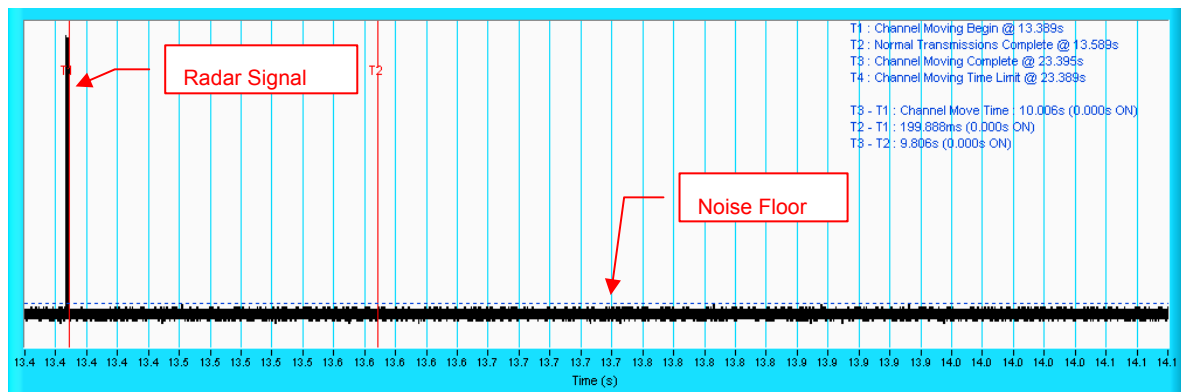


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11n 40MHz.



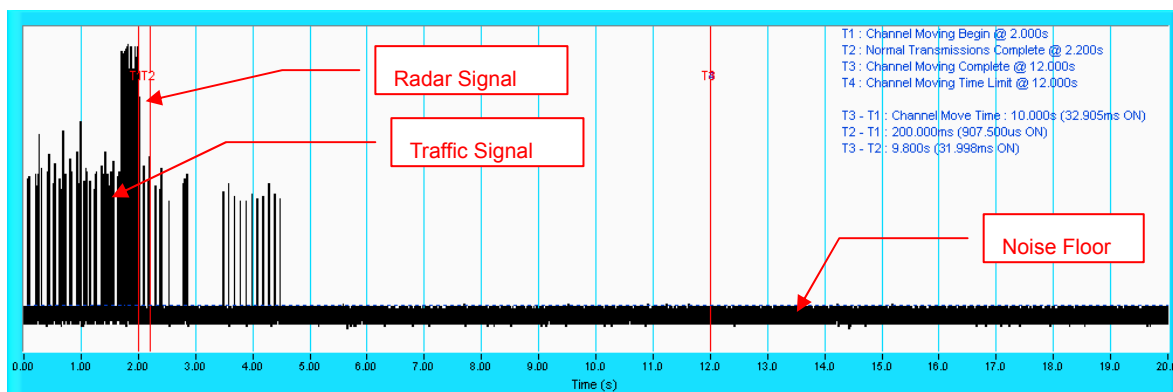
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



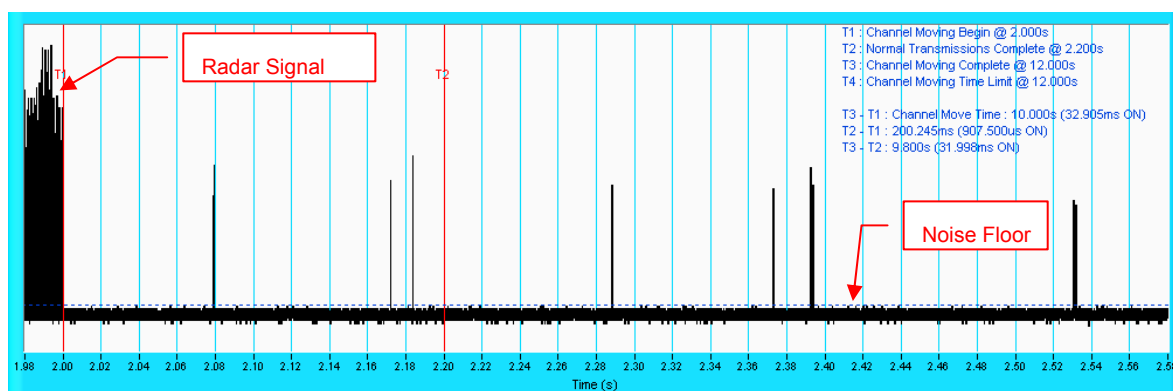
NOTE: An expanded plot for the device vacates the channel in the required 600ms.

Radar signal 6

IEEE 802.11n 20MHz.

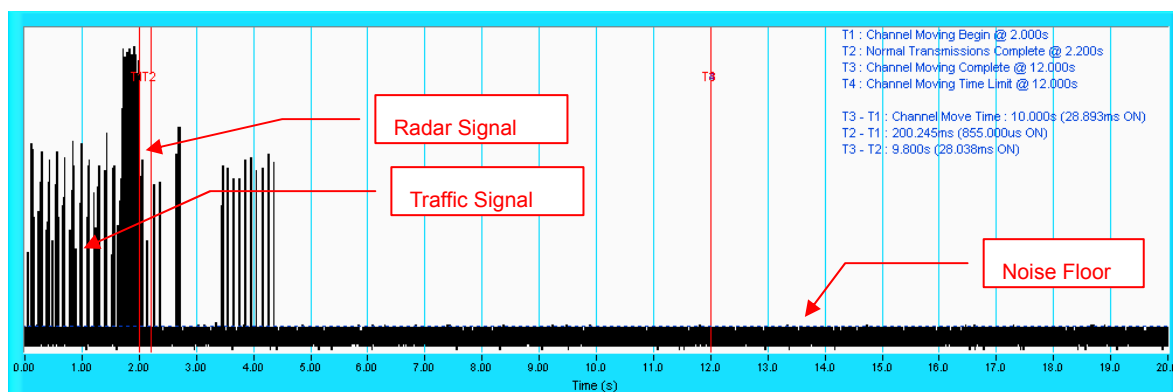


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

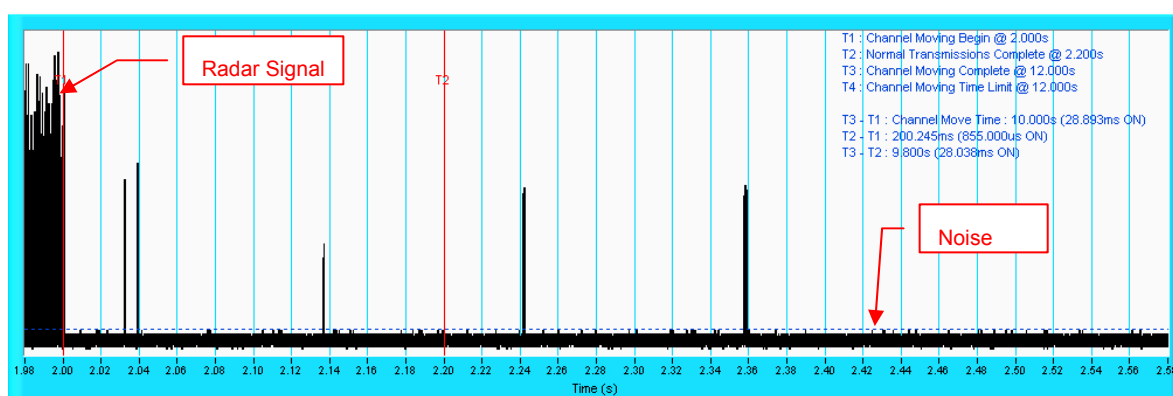


NOTE: An expanded plot for the device vacates the channel in the required 600ms

IEEE 802.11n 40MHz.



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



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

IEEE 802.11n 20MHz.

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	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	No
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	No
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	No
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	No
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: 86.7 %				

IEEE 802.11n 40MHz.

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	No
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	No
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	No
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	No
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	No
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	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: 83.3 %				



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IEEE 802.11n 20MHz.

Type 2 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	27	3.6u	194.0u	Yes
2	27	2.0u	175.0u	Yes
3	23	3.7u	162.0u	No
4	24	2.3u	185.0u	Yes
5	29	3.0u	177.0u	Yes
6	26	2.4u	168.0u	Yes
7	25	1.8u	226.0u	No
8	26	3.0u	164.0u	No
9	28	4.9u	153.0u	Yes
10	28	4.7u	154.0u	Yes
11	26	4.8u	208.0u	Yes
12	28	3.2u	219.0u	Yes
13	26	2.0u	151.0u	No
14	23	3.6u	178.0u	Yes
15	25	3.9u	162.0u	Yes
16	24	3.8u	170.0u	No
17	27	1.4u	205.0u	Yes
18	25	1.8u	205.0u	Yes
19	28	1.7u	189.0u	Yes
20	24	4.3u	196.0u	Yes
21	26	2.1u	217.0u	Yes
22	25	2.7u	202.0u	No
23	28	3.7u	153.0u	Yes
24	25	4.3u	160.0u	No
25	27	5.0u	214.0u	No
26	25	2.5u	204.0u	Yes
27	28	3.3u	190.0u	Yes
28	26	2.1u	179.0u	Yes
29	28	3.0u	220.0u	Yes
30	28	3.4u	193.0u	Yes

Detection Rate: 73.3 %

IEEE 802.11n 40MHz.

Type 2 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	24	1.7u	197.0u	Yes
2	23	1.0u	159.0u	Yes
3	24	1.2u	226.0u	Yes
4	24	4.7u	197.0u	Yes
5	24	1.4u	189.0u	Yes
6	25	1.9u	171.0u	No
7	24	1.6u	210.0u	Yes
8	26	4.1u	168.0u	Yes
9	28	3.5u	202.0u	Yes
10	26	4.8u	174.0u	Yes
11	27	2.4u	228.0u	Yes
12	25	2.6u	155.0u	Yes
13	28	1.2u	184.0u	No
14	25	4.9u	166.0u	Yes
15	28	3.5u	217.0u	Yes
16	25	1.6u	183.0u	No
17	28	2.6u	213.0u	Yes
18	26	3.9u	170.0u	Yes
19	28	3.8u	219.0u	Yes
20	27	1.4u	179.0u	Yes
21	25	3.6u	184.0u	Yes
22	25	2.4u	172.0u	No
23	26	1.0u	189.0u	Yes
24	23	1.4u	193.0u	Yes
25	25	1.8u	167.0u	No
26	26	2.7u	219.0u	Yes
27	24	3.1u	193.0u	No
28	29	2.1u	197.0u	Yes
29	24	1.9u	208.0u	Yes
30	23	4.3u	155.0u	Yes

Detection Rate: 80.0 %



IEEE 802.11n 20MHz.

Type 3 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	7.9u	274.0u	Yes
2	17	6.5u	264.0u	Yes
3	17	6.7u	210.0u	Yes
4	18	9.1u	384.0u	Yes
5	17	10.0u	267.0u	Yes
6	17	9.4u	278.0u	No
7	16	6.9u	244.0u	No
8	16	9.0u	437.0u	Yes
9	17	9.3u	499.0u	Yes
10	16	7.8u	273.0u	No
11	17	6.2u	448.0u	Yes
12	17	6.9u	462.0u	Yes
13	16	9.6u	218.0u	Yes
14	16	7.8u	404.0u	Yes
15	17	8.8u	393.0u	No
16	18	9.7u	224.0u	Yes
17	18	7.9u	470.0u	No
18	17	8.8u	475.0u	Yes
19	17	6.6u	262.0u	Yes
20	16	7.9u	285.0u	Yes
21	18	6.3u	411.0u	Yes
22	17	9.4u	204.0u	Yes
23	18	6.6u	295.0u	Yes
24	18	9.9u	371.0u	Yes
25	18	7.0u	397.0u	No
26	17	6.3u	404.0u	Yes
27	18	7.1u	448.0u	Yes
28	16	9.6u	481.0u	Yes
29	16	7.3u	293.0u	Yes
30	18	9.1u	414.0u	No

Detection Rate: 76.7 %



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IEEE 802.11n 40MHz.

Type 3 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	7.9u	346.0u	Yes
2	16	9.2u	402.0u	Yes
3	16	8.1u	447.0u	No
4	17	9.7u	300.0u	Yes
5	16	9.4u	234.0u	Yes
6	17	7.6u	315.0u	Yes
7	16	9.7u	205.0u	Yes
8	16	8.7u	249.0u	Yes
9	17	6.1u	481.0u	Yes
10	16	6.2u	498.0u	No
11	16	9.0u	337.0u	Yes
12	17	7.7u	299.0u	Yes
13	17	7.8u	223.0u	Yes
14	17	8.9u	482.0u	Yes
15	16	9.2u	371.0u	Yes
16	16	8.7u	366.0u	Yes
17	18	10.0u	394.0u	Yes
18	18	9.4u	432.0u	Yes
19	17	7.2u	353.0u	No
20	17	7.7u	428.0u	No
21	17	9.0u	472.0u	Yes
22	16	7.1u	277.0u	Yes
23	17	8.3u	441.0u	Yes
24	16	7.4u	430.0u	Yes
25	16	7.3u	482.0u	Yes
26	18	7.9u	265.0u	Yes
27	18	9.0u	230.0u	No
28	17	6.5u	328.0u	Yes
29	17	7.2u	393.0u	No
30	16	7.1u	245.0u	Yes

Detection Rate: 80.0 %

IEEE 802.11n 20MHz.

Type 4 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	14	14.5u	258.0u	Yes
2	15	17.1u	385.0u	Yes
3	14	12.4u	348.0u	Yes
4	14	14.0u	229.0u	Yes
5	14	11.7u	321.0u	No
6	14	18.1u	315.0u	Yes
7	15	11.8u	278.0u	Yes
8	14	17.4u	415.0u	Yes
9	15	12.5u	369.0u	Yes
10	14	17.2u	200.0u	Yes
11	13	12.2u	351.0u	Yes
12	14	18.0u	448.0u	Yes
13	15	18.1u	395.0u	Yes
14	13	12.3u	392.0u	No
15	13	16.4u	494.0u	Yes
16	15	15.1u	245.0u	Yes
17	12	16.8u	481.0u	Yes
18	15	17.5u	296.0u	Yes
19	13	17.4u	379.0u	No
20	13	12.6u	441.0u	Yes
21	14	13.1u	312.0u	Yes
22	13	14.6u	495.0u	Yes
23	15	14.4u	283.0u	No
24	13	11.8u	309.0u	Yes
25	15	18.4u	494.0u	Yes
26	14	13.7u	443.0u	Yes
27	13	14.3u	216.0u	Yes
28	14	15.2u	314.0u	Yes
29	12	16.4u	445.0u	No
30	12	11.9u	374.0u	Yes

Detection Rate: 83.3 %



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IEEE 802.11n 40MHz.

Type 4 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	15	16.5u	260.0u	Yes
2	14	11.8u	238.0u	No
3	12	18.6u	327.0u	Yes
4	14	11.5u	474.0u	Yes
5	12	19.9u	375.0u	Yes
6	12	15.9u	294.0u	Yes
7	15	13.4u	349.0u	Yes
8	16	18.6u	323.0u	Yes
9	13	19.6u	303.0u	Yes
10	13	11.8u	264.0u	Yes
11	15	11.9u	315.0u	Yes
12	12	16.6u	323.0u	Yes
13	12	11.4u	301.0u	Yes
14	14	13.4u	447.0u	No
15	15	11.3u	489.0u	Yes
16	14	19.6u	323.0u	Yes
17	15	18.3u	322.0u	Yes
18	14	17.5u	437.0u	Yes
19	14	18.5u	494.0u	Yes
20	15	17.4u	343.0u	Yes
21	14	12.2u	323.0u	No
22	12	19.8u	298.0u	Yes
23	12	13.7u	341.0u	Yes
24	14	15.7u	324.0u	Yes
25	15	18.1u	254.0u	No
26	16	18.3u	475.0u	Yes
27	15	15.8u	297.0u	Yes
28	16	16.0u	471.0u	Yes
29	14	18.7u	492.0u	Yes
30	13	14.4u	221.0u	No

Detection Rate: 83.3 %



IEEE 802.11n 20MHz.

Type 5 Radar Statistical Performances

Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	No
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	Yes
8	LP_Signal_08	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	Yes
27	LP_Signal_27	No
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes

Detection Rate: 93.3 %

The Long Pulse Radar pattern shown in Annex B.1



IEEE 802.11n 40MHz.

Type 5 Radar Statistical Performances

Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	No
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	No
22	LP_Signal_22	Yes
23	LP_Signal_23	Yes
24	LP_Signal_24	Yes
25	LP_Signal_25	No
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes

Detection Rate: 90.0 %

The Long Pulse Radar pattern shown in Annex B.1



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IEEE 802.11n 20MHz.

Type 6 Radar Statistical Performances

Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	No
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	Yes
10	HOP_FREQ_SEQ_10	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	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	No
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	Yes
		Detection Rate: 93.3 %

The Frequency Hopping Radar pattern shown in Annex B.2



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IEEE 802.11n 40MHz.

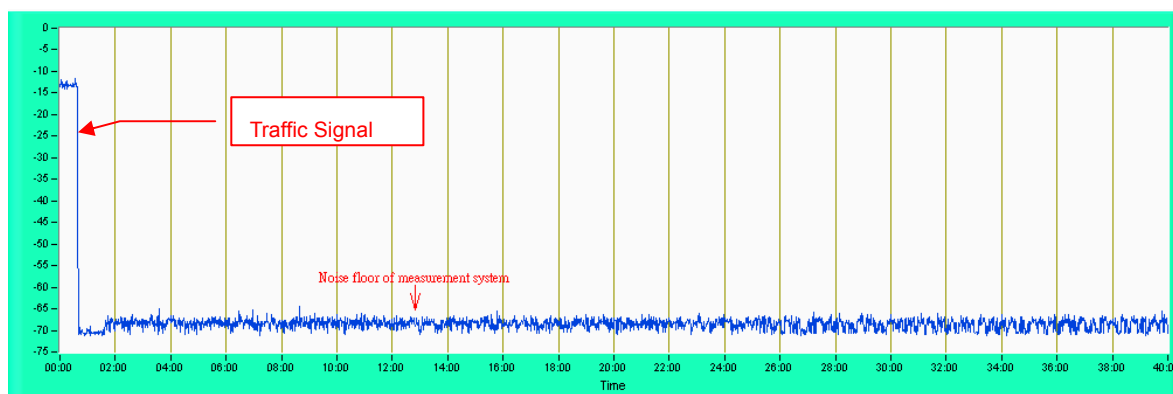
Type 6 Radar Statistical Performances

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

The Frequency Hopping Radar pattern shown in Annex B.2

6.2.1.4 NON- OCCUPANCY PERIOD

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



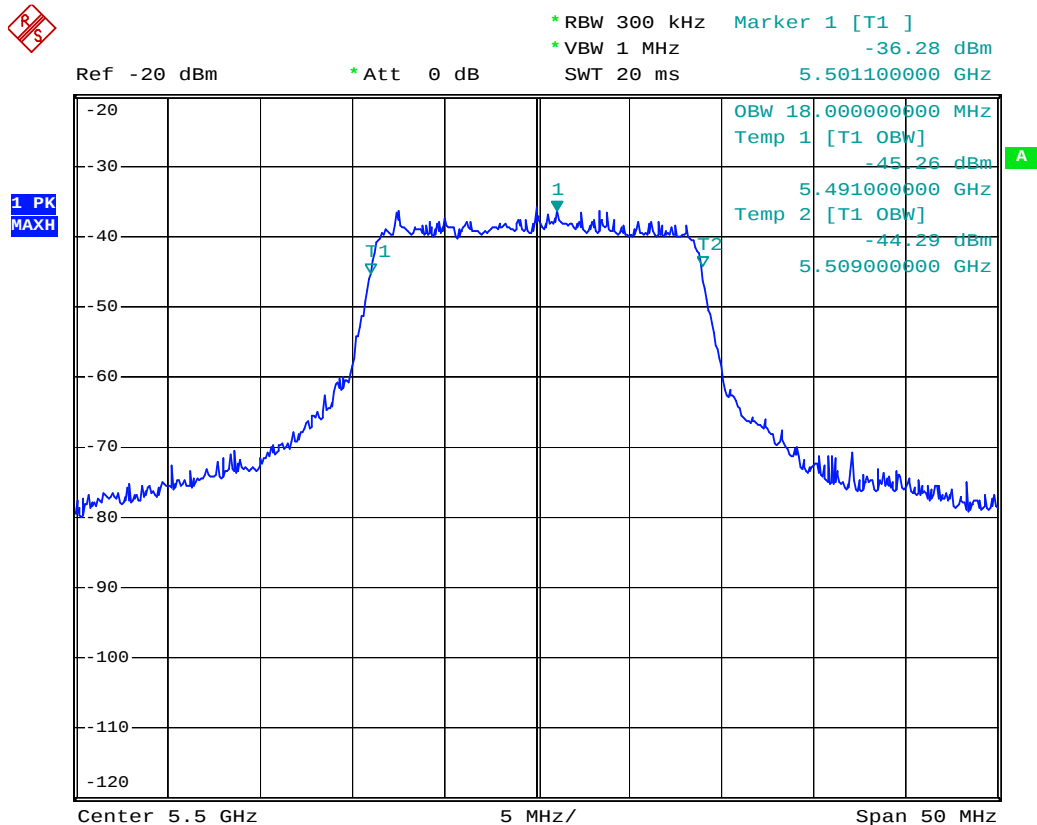
6.2.1.5 UNIFORM SPREADING

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

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

6.2.1.6 U-NII DETECTION BANDWIDTH

IEEE 802.11n 20MHz

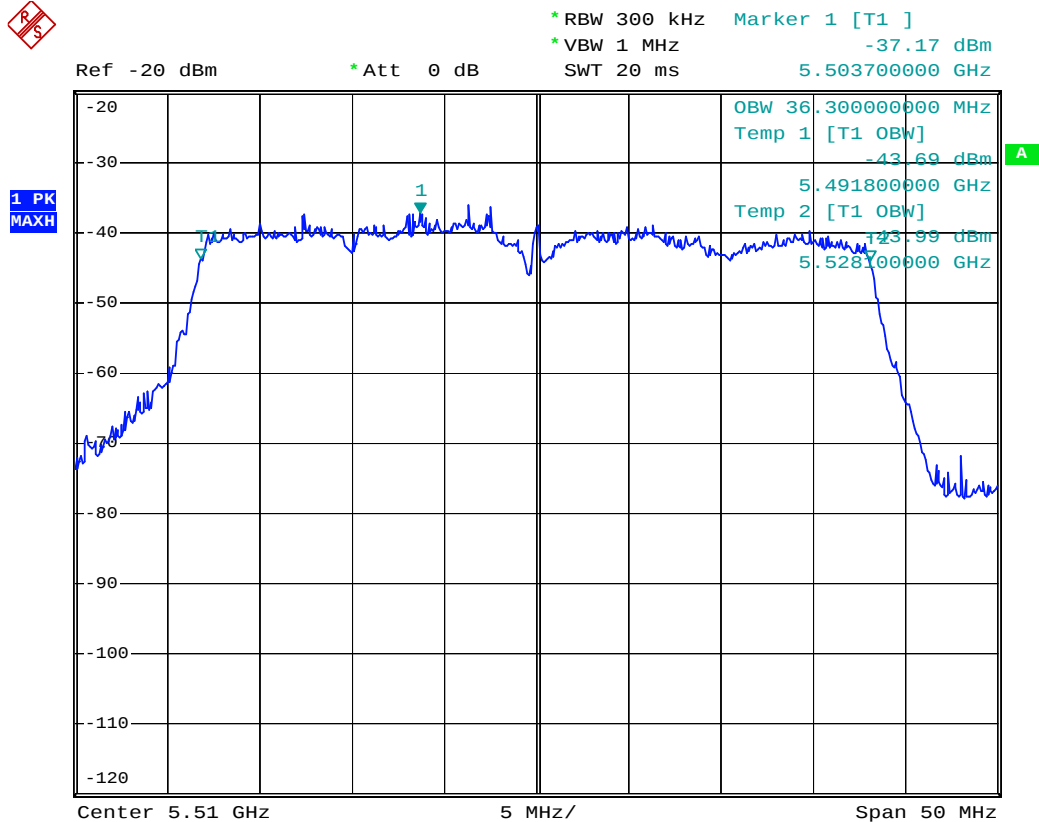


U-NII 99% Channel bandwidth



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IEEE 802.11n 40MHz



U-NII 99% Channel bandwidth

Detection Bandwidth Test - IEEE 802.11n 20MHz

EUT Frequency: 5500MHz

EUT 99% Power bandwidth: 18MHz

Detection bandwidth (80% of EUT 99% Power bandwidth): 14.4MHz

Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5491	N	Y	Y	Y	Y	Y	N	Y	Y	Y	80.0
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5493 (FL)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5507 (FH)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
5509	Y	Y	Y	Y	N	Y	Y	Y	N	Y	80.0

Detection Bandwidth Test IEEE 802.11N 40MHz											
EUT Frequency: 5510MHz											
EUT 99% Power bandwidth: 36.3MHz											
Detection bandwidth limit (80% of EUT 99% Power bandwidth): 29.04 MHz											
Test Result : PASS											
Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5491	Y	Y	Y	Y	N	Y	Y	Y	N	Y	80
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 (FL)	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 (FH)	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	N	Y	Y	90

6.2.1.7 TRANSMIT POWER CONTROL (TPC)

DFS Report 6.2.17 section

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



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7. TESTING LABORATORIES INFORMATION

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

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

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

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

Linko EMC/RF Lab:

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:

Tel: 886-3-5935343

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:

Tel: 886-3-3183232

Fax: 886-3-3185050

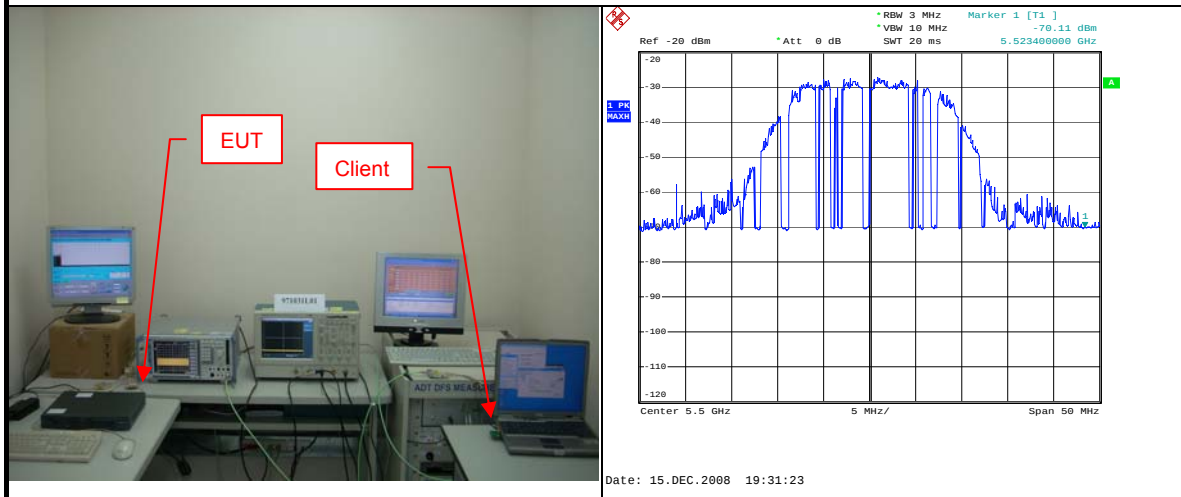
Web Site: www.adt.com.tw

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

8. APPENDIX

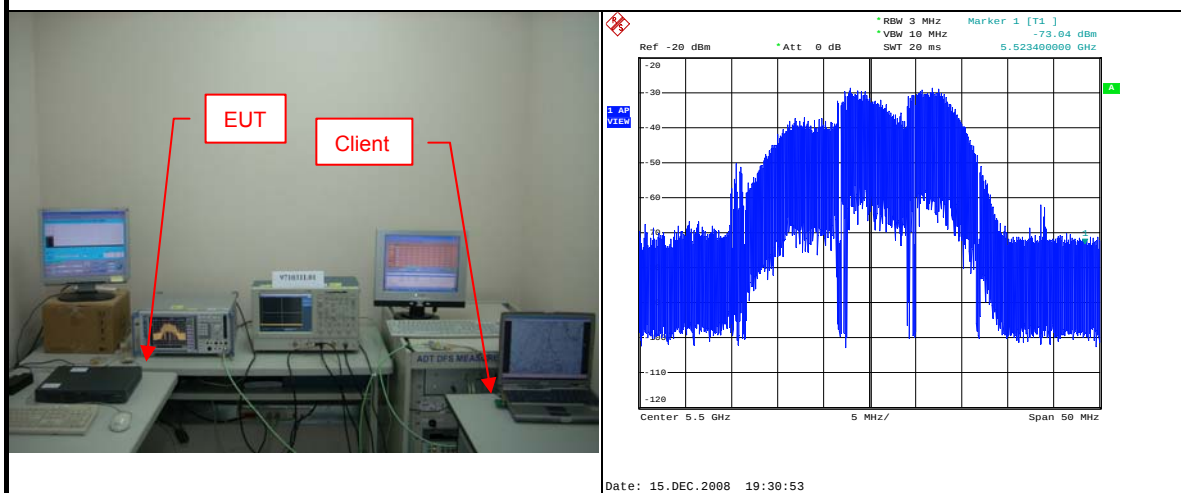
8.1 APP ENDIX-A

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



EUT (MASTER) links with Client on 5500MHz

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



Client plays a specified files via master.

8.2 APP ENDIX-B

RADAR TEST SIGNAL

B.1 The Long Pulse Radar Pattern

IEEE 802.11n 20MHz.

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_01						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	80.8u	-	-	722.1m
2	3	13M	72.5u	1.236m	1.680m	816.0m
3	3	15M	84.5u	1.152m	1.874m	287.5m
4	1	16M	69.0u	-	-	935.9m
5	2	6M	87.1u	1.357m	-	567.9m
6	1	13M	99.6u	-	-	40.82m
7	3	8M	77.3u	1.590m	1.199m	186.6m
8	2	17M	100.0u	1.002m	-	151.3m
9	2	10M	60.9u	1.008m	-	720.7m
10	3	17M	98.0u	1.033m	1.506m	23.80m
11	2	13M	96.2u	993.8u	-	148.1m
12	1	13M	79.2u	-	-	314.1m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
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	13M	54.8u	1.597m	1.605m	36.33m
2	1	17M	69.0u	-	-	611.3m
3	1	10M	81.1u	-	-	220.8m
4	1	19M	86.7u	-	-	550.4m
5	2	20M	99.6u	1.529m	-	819.2m
6	3	5M	53.7u	1.216m	1.284m	660.7m
7	3	15M	68.3u	1.132m	1.187m	375.3m
8	1	7M	87.7u	-	-	704.6m
9	1	12M	67.8u	-	-	600.0m
10	2	20M	86.0u	1.046m	-	142.4m
11	3	19M	79.9u	1.623m	1.341m	513.8m
12	2	8M	86.2u	929.8u	-	577.2m
13	3	16M	73.3u	1.237m	1.318m	423.5m



Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_03

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	90.2u	1.544m	-	671.3m
2	2	14M	95.1u	1.867m	-	165.0m
3	2	10M	99.4u	1.322m	-	114.0m
4	3	9M	81.2u	977.8u	1.575m	354.9m
5	2	12M	87.4u	1.095m	-	376.1m
6	2	9M	76.9u	1.346m	-	607.9m
7	2	11M	84.5u	980.5u	-	205.8m
8	1	16M	76.3u	-	-	288.5m
9	3	20M	97.4u	1.611m	1.735m	657.9m
10	2	15M	74.5u	1.584m	-	258.0m
11	2	7M	76.5u	1.081m	-	976.9m
12	3	17M	55.5u	1.275m	1.793m	613.0m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_04

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	6M	88.5u	-	-	502.3m
2	2	11M	54.8u	1.359m	-	122.7m
3	2	14M	58.8u	1.298m	-	183.7m
4	2	15M	94.8u	1.073m	-	38.03m
5	3	5M	73.7u	1.697m	1.874m	397.7m
6	2	11M	95.3u	988.7u	-	247.4m
7	2	10M	78.6u	1.072m	-	359.9m
8	3	15M	66.6u	1.761m	1.738m	556.6m
9	2	13M	85.7u	1.347m	-	579.1m
10	2	14M	77.6u	1.215m	-	611.6m
11	2	17M	78.6u	1.513m	-	142.8m
12	2	16M	67.3u	1.825m	-	59.83m
13	1	13M	77.5u	-	-	253.4m
14	1	7M	95.7u	-	-	138.8m
15	2	10M	55.2u	1.895m	-	157.8m
16	2	19M	71.5u	1.326m	-	123.1m
17	2	8M	63.1u	1.262m	-	492.1m
18	1	10M	65.3u	-	-	4.789m
19	2	11M	88.0u	1.366m	-	175.6m

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	13M	91.1u	-	-	571.5m
2	2	10M	75.1u	1.721m	-	86.60m
3	1	14M	81.9u	-	-	177.5m
4	1	5M	87.3u	-	-	50.55m
5	2	20M	76.7u	955.3u	-	6.301m
6	2	11M	92.5u	1.040m	-	305.6m
7	3	9M	56.3u	1.857m	1.547m	5.834m
8	3	9M	62.3u	1.193m	1.071m	557.5m
9	2	18M	96.8u	1.258m	-	193.4m
10	1	10M	58.0u	-	-	10.33m
11	1	17M	69.2u	-	-	300.9m
12	3	9M	67.4u	1.174m	1.527m	311.8m
13	2	15M	91.7u	1.292m	-	133.5m
14	2	10M	82.6u	1.013m	-	131.4m
15	3	10M	74.2u	1.613m	1.132m	425.8m
16	2	14M	99.7u	1.084m	-	17.67m
17	3	17M	55.3u	1.735m	1.472m	617.5m
18	2	16M	96.6u	1.720m	-	534.7m
19	3	5M	53.7u	1.847m	1.763m	98.87m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

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	13M	50.9u	1.685m	1.070m	546.2m
2	2	15M	84.2u	1.183m	-	692.8m
3	2	11M	77.7u	1.849m	-	357.0m
4	1	14M	80.5u	-	-	132.0m
5	3	7M	73.2u	1.843m	1.650m	111.8m
6	3	14M	60.9u	1.415m	1.779m	150.3m
7	3	10M	54.9u	955.1u	1.575m	618.5m
8	1	11M	98.7u	-	-	466.9m
9	2	11M	64.5u	1.223m	-	128.3m
10	1	5M	92.0u	-	-	556.5m
11	2	15M	71.6u	1.923m	-	250.1m
12	2	6M	90.8u	1.680m	-	182.4m
13	2	9M	57.9u	1.544m	-	180.0u
14	2	7M	96.5u	1.731m	-	524.8m
15	1	12M	50.5u	-	-	206.2m
16	2	5M	89.8u	1.228m	-	646.2m
17	2	9M	87.5u	1.209m	-	53.19m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	69.0u	-	-	804.2m
2	1	7M	91.9u	-	-	1.130
3	3	11M	64.9u	1.514m	1.122m	382.3m
4	3	14M	74.9u	961.1u	1.413m	417.1m
5	2	18M	65.5u	1.557m	-	469.5m
6	3	16M	71.2u	1.166m	1.036m	869.2m
7	2	12M	79.5u	1.638m	-	308.2m
8	2	8M	70.0u	994.0u	-	555.4m
9	2	17M	66.5u	1.258m	-	403.0m



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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	99.0u	919.0u	-	463.0m
2	2	20M	68.7u	1.783m	-	483.8m
3	2	12M	60.4u	1.636m	-	471.3m
4	3	15M	76.2u	1.436m	1.378m	590.1m
5	3	10M	52.5u	1.829m	1.424m	330.7m
6	2	11M	71.4u	1.505m	-	693.2m
7	2	17M	85.7u	1.568m	-	569.6m
8	2	19M	73.4u	1.275m	-	594.3m
9	2	15M	65.8u	1.429m	-	496.5m
10	2	5M	76.0u	1.628m	-	718.6m
11	1	9M	96.4u	-	-	321.3m
12	2	15M	76.8u	1.054m	-	512.7m
13	2	11M	60.0u	1.053m	-	664.8m
14	2	9M	98.6u	1.675m	-	73.46m
15	2	16M	77.1u	1.319m	-	745.0m
16	3	16M	63.1u	1.146m	1.646m	84.83m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_09

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	98.9u	937.1u	-	104.9m
2	3	5M	90.7u	1.417m	1.099m	393.3m
3	2	10M	95.7u	1.457m	-	454.9m
4	1	9M	63.3u	-	-	165.9m
5	2	6M	76.8u	1.335m	-	411.9m
6	3	17M	65.9u	1.914m	1.485m	272.3m
7	1	16M	61.7u	-	-	378.0m
8	2	14M	78.7u	1.865m	-	429.7m
9	2	15M	50.8u	1.835m	-	297.5m
10	2	15M	52.0u	1.226m	-	551.1m
11	2	19M	92.3u	1.396m	-	123.9m
12	1	19M	80.5u	-	-	561.3m
13	3	7M	56.8u	1.735m	950.2u	363.8m
14	2	7M	87.8u	1.893m	-	540.0m
15	2	15M	78.2u	1.736m	-	211.1m
16	3	16M	79.9u	1.648m	1.427m	320.2m
17	2	20M	60.1u	1.645m	-	336.2m
18	1	19M	94.9u	-	-	427.9m
19	2	17M	87.5u	1.414m	-	625.5m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_10

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	67.9u	1.688m	-	291.2m
2	3	18M	93.0u	1.870m	1.343m	370.9m
3	3	6M	76.9u	1.000m	1.452m	323.6m
4	2	19M	69.2u	1.320m	-	397.6m
5	2	17M	88.4u	1.383m	-	70.17m
6	2	17M	75.1u	1.795m	-	88.33m
7	1	13M	86.2u	-	-	456.2m
8	2	7M	57.1u	1.864m	-	432.3m
9	2	17M	73.5u	966.5u	-	141.9m
10	2	17M	52.6u	1.469m	-	544.2m
11	2	9M	94.2u	1.082m	-	197.7m
12	2	14M	89.9u	1.079m	-	603.4m
13	1	8M	67.3u	-	-	588.0m
14	2	12M	94.7u	974.3u	-	109.2m
15	2	7M	87.2u	1.552m	-	570.9m
16	1	11M	92.9u	-	-	327.1m
17	1	20M	83.7u	-	-	211.6m



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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_11

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	98.2u	-	-	463.1m
2	3	16M	94.3u	1.454m	1.733m	551.0m
3	2	10M	57.4u	1.578m	-	68.91m
4	3	15M	74.3u	1.870m	1.523m	432.1m
5	2	16M	79.0u	1.121m	-	570.3m
6	2	18M	91.9u	1.362m	-	515.6m
7	1	6M	58.0u	-	-	209.2m
8	3	16M	57.0u	1.533m	1.306m	133.4m
9	2	6M	53.4u	1.520m	-	349.4m
10	3	8M	61.8u	1.778m	1.790m	78.88m
11	2	8M	85.8u	943.2u	-	4.623m
12	1	10M	96.3u	-	-	203.2m
13	2	12M	94.2u	990.8u	-	583.5m
14	2	9M	64.1u	1.101m	-	521.3m
15	1	14M	91.6u	-	-	337.3m
16	3	19M	94.3u	1.811m	1.866m	488.5m
17	1	6M	82.1u	-	-	47.22m
18	1	11M	98.3u	-	-	451.1m
19	3	16M	62.8u	1.664m	1.155m	145.0m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_12

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	17M	57.7u	1.896m	1.714m	667.7m
2	2	17M	70.4u	1.495m	-	260.1m
3	2	14M	98.6u	1.434m	-	140.0m
4	2	5M	80.6u	1.277m	-	459.1m
5	2	8M	94.2u	1.790m	-	275.9m
6	2	8M	61.1u	1.255m	-	631.8m
7	2	10M	70.1u	1.561m	-	541.3m
8	1	9M	76.6u	-	-	197.8m
9	2	15M	72.3u	1.200m	-	158.0m
10	1	8M	87.4u	-	-	357.0m
11	2	10M	61.9u	1.668m	-	701.4m
12	2	14M	96.1u	1.116m	-	610.8m
13	2	20M	64.0u	1.580m	-	543.7m
14	2	9M	67.1u	1.207m	-	355.6m
15	3	10M	84.2u	1.784m	1.551m	159.0m
16	2	16M	63.9u	1.189m	-	644.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_13

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	17M	93.7u	1.448m	1.362m	29.98m
2	2	9M	57.0u	1.355m	-	71.74m
3	2	14M	79.2u	1.567m	-	61.18m
4	2	9M	51.1u	1.743m	-	241.2m
5	3	7M	81.3u	1.221m	1.016m	29.84m
6	3	19M	57.8u	1.008m	1.749m	298.9m
7	2	17M	77.0u	1.418m	-	198.0m
8	2	18M	98.5u	1.351m	-	224.9m
9	1	7M	85.6u	-	-	478.3m
10	1	13M	77.1u	-	-	561.0m
11	1	12M	84.6u	-	-	278.6m
12	1	8M	58.8u	-	-	534.7m
13	1	16M	52.6u	-	-	508.8m
14	3	5M	82.5u	967.5u	1.915m	249.1m
15	2	11M	51.4u	1.356m	-	237.4m
16	2	18M	95.2u	1.847m	-	260.7m
17	2	10M	98.5u	1.599m	-	410.0m
18	2	6M	74.9u	1.705m	-	7.121m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_14

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	19M	89.6u	1.109m	-	262.2m
2	2	13M	58.1u	1.843m	-	66.47m
3	1	6M	92.3u	-	-	361.0m
4	2	14M	80.2u	1.729m	-	691.3m
5	2	17M	88.3u	1.507m	-	592.6m
6	3	8M	55.6u	1.177m	1.711m	377.2m
7	2	17M	83.2u	1.846m	-	677.6m
8	3	9M	75.6u	1.818m	1.523m	238.7m
9	3	13M	97.0u	1.814m	1.710m	417.2m
10	1	8M	67.1u	-	-	535.7m
11	2	12M	59.4u	1.481m	-	444.5m
12	2	5M	94.8u	1.568m	-	240.2m
13	2	13M	90.0u	1.869m	-	301.3m
14	2	20M	81.6u	1.294m	-	431.2m
15	3	10M	79.4u	1.160m	1.688m	412.1m
16	1	8M	94.4u	-	-	268.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

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	9M	60.2u	1.414m	-	477.9m
2	1	17M	99.2u	-	-	171.8m
3	2	19M	89.5u	1.690m	-	695.9m
4	1	10M	78.6u	-	-	666.2m
5	3	11M	95.3u	1.146m	961.7u	904.1m
6	1	11M	97.0u	-	-	528.3m
7	2	14M	81.0u	1.440m	-	941.9m
8	3	8M	69.0u	1.159m	1.040m	520.4m
9	3	11M	87.4u	1.746m	1.125m	484.7m
10	2	19M	71.1u	1.410m	-	897.7m
11	2	6M	56.7u	1.375m	-	995.8m



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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

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	12M	70.4u	1.830m	-	565.8m
2	2	16M	77.4u	1.522m	-	117.6m
3	2	8M	70.0u	1.472m	-	26.44m
4	1	12M	98.8u	-	-	19.55m
5	1	17M	51.9u	-	-	121.6m
6	2	9M	64.6u	1.650m	-	120.9m
7	2	7M	71.2u	1.555m	-	387.7m
8	2	9M	80.1u	1.157m	-	289.1m
9	2	9M	51.8u	1.126m	-	17.18m
10	3	14M	73.4u	1.054m	1.173m	404.9m
11	3	20M	53.5u	1.589m	1.050m	345.8m
12	2	17M	78.3u	1.273m	-	549.3m
13	2	14M	84.0u	1.902m	-	561.4m
14	2	15M	89.5u	1.311m	-	465.4m
15	3	6M	72.9u	1.449m	1.220m	312.3m
16	2	9M	99.0u	1.821m	-	314.0m
17	3	5M	95.2u	1.815m	1.730m	319.9m
18	1	11M	76.9u	-	-	161.1m
19	2	18M	62.2u	1.333m	-	83.61m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_17

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	16M	83.8u	-	-	104.0m
2	2	7M	50.0u	1.270m	-	308.1m
3	3	10M	73.3u	1.066m	1.627m	636.1m
4	2	19M	66.1u	963.9u	-	225.1m
5	1	8M	63.9u	-	-	526.6m
6	2	15M	53.6u	1.797m	-	527.5m
7	2	17M	63.6u	1.577m	-	537.8m
8	1	7M	70.4u	-	-	178.7m
9	2	7M	65.4u	1.732m	-	596.0m
10	3	8M	55.0u	1.157m	1.252m	595.3m
11	2	6M	68.6u	1.676m	-	278.7m
12	1	19M	87.4u	-	-	176.3m
13	2	18M	98.7u	1.043m	-	47.63m
14	3	12M	96.6u	972.4u	991.4u	573.9m
15	3	8M	83.4u	923.6u	1.433m	253.6m
16	1	13M	83.5u	-	-	510.9m
17	2	15M	63.9u	942.1u	-	557.7m
18	2	12M	65.1u	1.695m	-	537.9m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_18

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	72.2u	1.414m	-	700.8m
2	2	13M	76.4u	1.661m	-	23.36m
3	1	7M	72.9u	-	-	885.4m
4	1	9M	86.2u	-	-	1.313
5	1	5M	71.4u	-	-	1.317
6	1	13M	90.1u	-	-	267.0m
7	2	15M	58.5u	1.803m	-	19.32m
8	1	17M	51.2u	-	-	891.8m
9	2	13M	58.1u	1.619m	-	934.5m



Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	89.5u	1.620m	-	157.7m
2	2	6M	59.0u	1.856m	-	234.8m
3	1	19M	77.5u	-	-	475.5m
4	3	12M	52.9u	1.740m	957.1u	598.8m
5	2	7M	77.8u	1.916m	-	557.7m
6	1	5M	65.8u	-	-	643.2m
7	3	5M	83.4u	1.023m	917.6u	347.5m
8	2	6M	76.8u	1.603m	-	274.7m
9	2	15M	90.1u	1.822m	-	245.8m
10	1	14M	67.3u	-	-	49.01m
11	2	15M	95.5u	1.739m	-	380.7m
12	3	19M	81.9u	972.1u	1.364m	94.71m
13	2	20M	82.9u	1.251m	-	550.2m
14	1	12M	72.2u	-	-	518.9m
15	2	11M	57.7u	1.586m	-	32.34m
16	3	13M	76.1u	932.9u	1.187m	38.25m
17	1	7M	91.7u	-	-	519.0m
18	2	16M	81.6u	1.878m	-	529.0m

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	18M	98.6u	1.125m	-	483.9m
2	1	6M	88.7u	-	-	171.1m
3	3	10M	94.0u	984.0u	931.0u	664.8m
4	2	8M	95.4u	1.361m	-	416.3m
5	3	5M	62.3u	1.065m	1.825m	309.7m
6	3	11M	54.5u	1.208m	1.376m	773.7m
7	3	14M	87.9u	1.878m	1.429m	424.7m
8	3	8M	69.7u	1.812m	1.868m	653.0m
9	2	17M	78.2u	1.447m	-	946.4m
10	3	14M	85.4u	1.193m	921.6u	220.4m
11	3	19M	86.8u	1.577m	1.212m	33.50m
12	2	7M	93.8u	943.2u	-	471.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_21

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	14M	60.7u	1.324m	972.3u	267.3m
2	2	20M	95.4u	1.603m	-	627.8m
3	2	11M	90.9u	1.416m	-	517.3m
4	1	10M	80.6u	-	-	388.8m
5	3	12M	83.0u	1.649m	1.274m	396.4m
6	2	7M	70.2u	1.088m	-	130.4m
7	2	20M	91.3u	1.849m	-	492.7m
8	2	14M	99.8u	1.688m	-	271.9m
9	3	16M	99.1u	1.674m	1.095m	152.3m
10	3	9M	65.5u	1.564m	1.322m	652.6m
11	3	10M	67.7u	1.083m	1.485m	61.79m
12	2	17M	97.2u	1.573m	-	273.8m
13	3	8M	54.2u	1.754m	1.603m	706.1m
14	2	17M	66.8u	1.408m	-	785.1m
15	2	11M	89.8u	1.135m	-	543.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_22

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	63.6u	1.383m	-	750.0m
2	3	14M	66.0u	1.551m	1.603m	365.1m
3	2	7M	98.7u	1.393m	-	412.3m
4	3	13M	77.8u	1.382m	1.548m	911.7m
5	2	19M	98.2u	1.314m	-	642.5m
6	2	7M	66.9u	1.144m	-	1.133
7	3	10M	72.7u	948.3u	1.229m	992.5m
8	2	14M	88.4u	1.756m	-	43.43m
9	2	16M	57.9u	1.420m	-	1.058
10	1	19M	66.5u	-	-	256.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

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	19M	93.6u	1.148m	-	457.9m
2	1	5M	89.5u	-	-	525.9m
3	2	7M	99.8u	984.2u	-	57.61m
4	2	20M	93.3u	1.875m	-	183.2m
5	2	17M	92.6u	1.325m	-	416.5m
6	2	11M	67.7u	1.527m	-	282.8m
7	3	17M	86.3u	1.411m	1.302m	142.9m
8	2	5M	85.6u	1.304m	-	736.6m
9	2	10M	98.0u	1.263m	-	601.9m
10	2	14M	94.6u	1.804m	-	621.6m
11	2	15M	55.0u	1.806m	-	87.40m
12	2	17M	85.8u	1.849m	-	722.3m
13	2	12M	65.5u	1.855m	-	766.4m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	70.3u	1.246m	-	876.2m
2	1	17M	63.4u	-	-	122.3m
3	3	11M	75.0u	1.104m	1.137m	752.0m
4	1	16M	93.1u	-	-	332.5m
5	2	8M	75.4u	1.580m	-	703.8m
6	1	9M	60.1u	-	-	543.9m
7	2	16M	51.0u	1.524m	-	787.1m
8	2	10M	78.9u	1.453m	-	566.5m
9	2	19M	60.0u	1.497m	-	875.7m
10	3	18M	50.1u	1.274m	1.670m	202.4m
11	2	13M	88.6u	1.362m	-	233.1m
12	1	14M	70.9u	-	-	390.1m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_25

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	72.7u	1.541m	-	818.7m
2	3	13M	82.5u	968.5u	1.816m	768.9m
3	3	7M	86.1u	1.353m	972.9u	771.6m
4	2	17M	56.8u	1.621m	-	1.056
5	3	12M	99.3u	1.589m	1.488m	1.254
6	3	6M	79.3u	1.196m	1.325m	1.126
7	3	6M	55.8u	1.366m	969.2u	502.5m
8	1	18M	74.5u	-	-	1.115
9	1	12M	70.3u	-	-	1.241

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	3	19M	97.3u	1.816m	1.257m	11.87m
2	1	16M	98.8u	-	-	82.46m
3	3	10M	64.2u	1.203m	1.884m	538.5m
4	2	13M	89.2u	1.038m	-	254.6m
5	1	12M	88.6u	-	-	391.6m
6	2	19M	96.5u	1.598m	-	342.2m
7	3	17M	94.9u	1.727m	976.1u	373.8m
8	2	14M	63.7u	1.392m	-	221.2m
9	3	13M	50.2u	1.365m	1.033m	407.7m
10	1	13M	52.6u	-	-	446.7m
11	2	16M	50.3u	1.868m	-	98.08m
12	2	13M	63.7u	996.3u	-	514.7m
13	3	19M	56.4u	1.925m	1.681m	358.3m
14	2	15M	85.2u	1.245m	-	319.2m
15	1	19M	64.5u	-	-	298.2m
16	2	11M	50.9u	1.649m	-	59.01m
17	2	18M	84.7u	1.229m	-	22.42m
18	3	8M	84.0u	1.718m	1.651m	647.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_27

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	64.4u	-	-	604.9m
2	3	9M	92.0u	1.655m	1.412m	35.73m
3	2	13M	71.2u	1.658m	-	132.1m
4	3	20M	76.9u	1.672m	1.057m	86.24m
5	1	13M	73.8u	-	-	92.23m
6	3	13M	64.1u	1.120m	958.9u	15.46m
7	3	9M	57.0u	1.104m	1.611m	201.7m
8	3	11M	99.1u	1.306m	1.023m	619.2m
9	2	19M	54.3u	1.186m	-	495.0m
10	2	7M	75.3u	1.182m	-	363.6m
11	2	7M	53.7u	1.897m	-	547.2m
12	2	12M	96.1u	1.300m	-	80.09m
13	3	18M	91.8u	1.146m	1.791m	391.0m
14	2	14M	95.0u	1.735m	-	491.9m
15	1	16M	64.9u	-	-	95.33m
16	3	17M	78.1u	1.761m	1.532m	243.0m
17	2	11M	67.4u	1.237m	-	155.5m
18	2	16M	58.8u	1.126m	-	363.7m
19	2	13M	66.2u	969.8u	-	67.08m

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	20M	89.4u	1.462m	-	324.0m
2	1	14M	74.0u	-	-	330.4m
3	3	15M	89.4u	1.776m	1.481m	149.9m
4	1	10M	87.5u	-	-	664.9m
5	1	13M	73.3u	-	-	118.7m
6	2	6M	70.4u	1.511m	-	128.5m
7	1	16M	90.5u	-	-	16.39m
8	3	8M	96.6u	1.406m	1.482m	145.2m
9	3	19M	92.1u	1.817m	1.676m	540.4m
10	2	19M	87.3u	1.467m	-	3.099m
11	1	18M	85.0u	-	-	569.4m
12	1	11M	97.1u	-	-	299.2m
13	2	19M	55.3u	1.351m	-	396.6m
14	3	7M	96.0u	1.136m	1.872m	319.6m
15	2	15M	69.2u	1.596m	-	174.6m
16	1	7M	82.5u	-	-	168.8m
17	2	16M	61.8u	944.2u	-	132.0m
18	1	8M	83.5u	-	-	396.4m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	75.1u	-	-	542.6m
2	1	17M	59.6u	-	-	392.9m
3	2	10M	65.7u	1.700m	-	677.0m
4	2	5M	74.1u	1.903m	-	9.981m
5	2	10M	65.7u	1.497m	-	98.55m
6	3	13M	50.2u	1.558m	1.758m	696.7m
7	3	9M	64.5u	1.322m	1.847m	402.3m
8	1	15M	61.3u	-	-	647.0m
9	2	9M	94.3u	1.357m	-	379.5m
10	3	13M	95.3u	1.556m	975.7u	117.7m
11	2	15M	89.5u	1.836m	-	387.2m
12	1	14M	58.9u	-	-	545.0m
13	3	11M	62.9u	998.1u	1.010m	309.4m
14	3	11M	56.3u	1.306m	997.7u	326.7m
15	2	20M	77.7u	1.471m	-	633.4m
16	2	10M	64.2u	1.913m	-	614.1m

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	12M	76.8u	1.464m	1.113m	330.0m
2	2	9M	51.0u	1.726m	-	346.5m
3	3	13M	80.6u	1.109m	1.515m	197.6m
4	3	8M	83.4u	1.550m	1.215m	34.09m
5	2	7M	54.2u	1.744m	-	742.1m
6	2	16M	53.3u	1.612m	-	499.4m
7	1	14M	92.9u	-	-	620.9m
8	2	14M	65.9u	1.917m	-	699.4m
9	2	18M	50.8u	1.793m	-	640.5m
10	2	13M	97.9u	1.246m	-	468.1m
11	1	19M	59.2u	-	-	703.0m
12	3	14M	74.8u	1.666m	1.111m	396.2m
13	3	9M	62.4u	1.728m	1.491m	611.4m
14	1	7M	87.3u	-	-	180.3m
15	1	11M	91.1u	-	-	497.5m
16	1	12M	71.9u	-	-	298.9m

IEEE 802.11n 40MHz.

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_01						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chirp (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	86.3u	1.532m	-	552.5m
2	2	19M	67.0u	997.0u	-	844.8m
3	3	7M	94.1u	1.071m	1.761m	660.1m
4	3	20M	56.1u	1.471m	1.175m	116.6m
5	1	18M	72.2u	-	-	460.4m
6	1	20M	78.6u	-	-	928.6m
7	3	15M	77.3u	1.833m	1.307m	1.225
8	2	10M	59.9u	1.665m	-	727.6m
9	3	10M	82.3u	1.481m	1.409m	726.7m

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_02						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chirp (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	56.0u	-	-	460.6m
2	1	8M	53.2u	-	-	439.0m
3	3	19M	63.5u	978.5u	1.213m	126.4m
4	1	18M	83.0u	-	-	120.6m
5	2	5M	84.8u	1.742m	-	271.2m
6	3	20M	82.7u	1.336m	1.653m	773.3m
7	2	6M	73.1u	1.284m	-	214.0m
8	2	11M	67.8u	1.120m	-	581.3m
9	1	10M	98.5u	-	-	770.7m
10	1	6M	65.7u	-	-	86.62m
11	3	13M	90.4u	1.646m	1.160m	781.4m
12	1	6M	72.7u	-	-	649.5m
13	3	5M	77.9u	1.857m	1.169m	698.2m
14	2	11M	99.9u	1.631m	-	221.9m
15	2	16M	66.7u	1.058m	-	190.1m

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	53.0u	1.320m	-	515.1m
2	2	17M	87.1u	1.617m	-	133.8m
3	1	8M	81.7u	-	-	13.78m
4	2	7M	65.2u	1.743m	-	534.1m
5	2	16M	69.3u	1.611m	-	427.6m
6	1	14M	87.2u	-	-	781.8m
7	1	10M	95.4u	-	-	18.65m
8	1	6M	51.6u	-	-	582.6m
9	3	6M	89.0u	979.0u	1.289m	658.8m
10	2	7M	65.6u	1.740m	-	443.3m
11	2	11M	75.5u	978.5u	-	346.8m
12	2	9M	95.8u	1.048m	-	744.6m
13	2	12M	67.9u	1.489m	-	565.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_04

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	17M	78.1u	1.127m	1.707m	638.9m
2	3	8M	66.6u	1.089m	1.546m	606.9m
3	1	13M	64.9u	-	-	459.2m
4	2	6M	81.6u	1.727m	-	14.01m
5	2	13M	56.1u	1.651m	-	913.2m
6	3	13M	82.3u	921.7u	1.578m	506.2m
7	1	9M	60.4u	-	-	771.1m
8	3	10M	89.7u	1.129m	1.757m	157.5m
9	2	8M	72.0u	1.771m	-	888.6m
10	3	10M	52.6u	1.030m	1.289m	22.89m
11	2	15M	95.2u	1.225m	-	197.0m
12	2	11M	86.1u	1.245m	-	61.17m
13	2	8M	93.0u	1.075m	-	590.5m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_05

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	86.9u	1.549m	-	569.2m
2	2	10M	74.0u	1.115m	-	406.6m
3	3	16M	71.2u	1.362m	1.629m	833.7m
4	3	10M	99.8u	1.043m	1.880m	586.6m
5	2	17M	59.9u	1.578m	-	780.3m
6	3	11M	68.8u	1.893m	1.888m	620.0m
7	3	9M	57.3u	1.441m	1.587m	184.9m
8	2	19M	66.4u	1.593m	-	137.0m
9	1	10M	74.7u	-	-	704.1m
10	2	10M	68.9u	1.641m	-	762.8m
11	2	13M	78.2u	1.545m	-	390.1m
12	1	13M	57.6u	-	-	46.52m
13	2	12M	83.8u	1.526m	-	23.18m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

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	11M	97.1u	-	-	916.5m
2	2	12M	92.0u	1.895m	-	372.9m
3	2	7M	97.4u	1.777m	-	857.5m
4	1	14M	54.1u	-	-	181.5m
5	1	13M	62.8u	-	-	668.1m
6	1	12M	92.6u	-	-	795.3m
7	2	11M	97.4u	1.431m	-	508.4m
8	2	13M	52.1u	1.007m	-	50.08m
9	2	16M	63.0u	1.870m	-	829.0m
10	3	14M	62.4u	1.563m	1.287m	818.5m
11	2	19M	91.8u	1.119m	-	285.3m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

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	17M	71.0u	935.0u	-	122.9m
2	1	20M	84.8u	-	-	4.611m
3	1	10M	87.1u	-	-	389.9m
4	2	12M	57.4u	1.501m	-	529.4m
5	3	12M	55.6u	1.894m	1.683m	630.2m
6	1	8M	78.1u	-	-	365.8m
7	3	12M	61.5u	1.094m	1.821m	48.15m
8	2	19M	81.7u	1.912m	-	581.8m
9	3	11M	89.7u	1.378m	1.253m	421.1m
10	2	16M	94.3u	1.457m	-	26.49m
11	2	7M	59.5u	1.106m	-	198.1m
12	2	6M	64.6u	1.612m	-	645.2m
13	2	11M	98.2u	1.679m	-	423.7m
14	1	6M	83.4u	-	-	115.4m
15	1	10M	81.2u	-	-	123.2m
16	1	20M	51.2u	-	-	401.0m
17	2	11M	55.5u	1.032m	-	395.8m



Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	9M	83.1u	1.745m	1.533m	323.0m
2	1	11M	51.5u	-	-	11.25m
3	2	11M	98.7u	1.659m	-	525.5m
4	1	15M	97.3u	-	-	591.9m
5	1	17M	81.8u	-	-	135.3m
6	1	15M	76.5u	-	-	155.3m
7	2	18M	98.8u	921.2u	-	436.4m
8	3	7M	66.0u	1.488m	1.324m	526.0m
9	2	5M	79.2u	1.448m	-	505.5m
10	2	11M	82.4u	1.563m	-	72.25m
11	2	8M	64.2u	982.8u	-	626.5m
12	3	12M	88.6u	1.413m	1.128m	224.5m
13	2	16M	91.0u	1.722m	-	519.7m
14	2	14M	51.9u	1.231m	-	213.1m
15	2	19M	83.4u	1.802m	-	269.6m
16	2	10M	61.6u	1.871m	-	190.5m
17	1	12M	61.0u	-	-	486.3m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_09

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	91.2u	-	-	357.4m
2	2	11M	99.2u	982.8u	-	866.2m
3	2	15M	80.8u	1.497m	-	799.5m
4	3	9M	75.5u	1.768m	1.786m	770.2m
5	1	14M	88.7u	-	-	501.4m
6	2	13M	69.6u	1.227m	-	817.4m
7	1	13M	72.8u	-	-	173.7m
8	1	10M	71.9u	-	-	241.7m
9	1	12M	71.0u	-	-	430.5m
10	2	6M	93.5u	1.074m	-	480.6m
11	3	7M	96.5u	1.712m	1.775m	198.1m
12	2	14M	79.0u	1.596m	-	73.93m
13	2	20M	77.1u	1.301m	-	81.63m

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	13M	89.7u	1.596m	-	243.3m
2	2	15M	73.3u	1.245m	-	843.5m
3	2	14M	60.1u	1.292m	-	1.110
4	1	12M	75.9u	-	-	1.382
5	2	16M	66.7u	1.487m	-	241.8m
6	2	12M	51.3u	952.7u	-	788.5m
7	2	15M	60.6u	1.087m	-	884.8m
8	2	20M	65.0u	1.500m	-	67.08m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_11

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	19M	86.0u	1.565m	-	781.7m
2	3	8M	58.7u	1.386m	1.839m	954.8m
3	2	10M	74.4u	1.567m	-	1.057
4	3	19M	79.8u	1.762m	1.225m	1.494
5	3	15M	53.6u	1.564m	1.229m	195.0m
6	2	17M	83.8u	1.200m	-	537.6m
7	2	6M	96.0u	1.683m	-	726.7m
8	2	8M	80.7u	1.856m	-	1.055

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_12

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	77.8u	1.537m	-	506.9m
2	1	13M	63.0u	-	-	543.6m
3	3	9M	64.5u	1.224m	1.515m	684.3m
4	2	16M	81.1u	1.805m	-	343.1m
5	1	18M	57.3u	-	-	382.5m
6	1	12M	60.4u	-	-	708.7m
7	2	7M	78.9u	1.048m	-	576.8m
8	3	18M	72.7u	1.548m	1.483m	182.3m
9	1	15M	59.0u	-	-	632.0m
10	1	9M	91.9u	-	-	652.5m
11	2	14M	53.8u	1.392m	-	625.2m
12	2	6M	80.8u	1.595m	-	617.9m
13	2	9M	65.0u	1.249m	-	68.97m
14	2	12M	71.5u	1.786m	-	740.7m
15	2	20M	89.6u	1.421m	-	625.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_13

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	11M	95.4u	-	-	748.2m
2	1	14M	53.5u	-	-	109.3m
3	2	12M	99.6u	1.811m	-	472.1m
4	2	6M	62.3u	1.860m	-	256.1m
5	2	15M	72.6u	1.063m	-	221.4m
6	2	6M	95.5u	1.118m	-	358.2m
7	2	18M	64.1u	1.193m	-	121.0m
8	2	6M	71.3u	952.7u	-	581.1m
9	1	9M	98.8u	-	-	465.8m
10	1	15M	62.7u	-	-	726.5m
11	3	17M	70.2u	1.607m	1.324m	602.7m
12	2	6M	57.6u	1.250m	-	77.04m
13	1	11M	63.5u	-	-	2.332m
14	2	11M	80.0u	1.056m	-	315.7m
15	2	17M	68.1u	1.112m	-	727.1m

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	1	16M	68.9u	-	-	638.1m
2	1	8M	92.4u	-	-	158.4m
3	2	10M	56.7u	1.252m	-	113.2m
4	2	14M	57.2u	1.443m	-	304.7m
5	1	6M	96.9u	-	-	248.8m
6	2	16M	58.2u	957.8u	-	154.8m
7	1	19M	85.5u	-	-	376.6m
8	2	15M	98.5u	1.223m	-	362.0m
9	2	18M	99.5u	1.259m	-	51.30m
10	2	7M	82.5u	1.338m	-	99.08m
11	1	14M	64.2u	-	-	1.043

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	59.7u	1.566m	-	110.8m
2	3	19M	91.9u	1.851m	1.614m	150.6m
3	1	15M	50.3u	-	-	496.7m
4	2	17M	80.3u	1.203m	-	26.58m
5	1	14M	81.1u	-	-	341.0m
6	2	12M	71.0u	1.682m	-	99.46m
7	1	11M	77.4u	-	-	424.5m
8	2	15M	80.8u	1.362m	-	583.3m
9	3	9M	96.9u	1.737m	923.1u	95.92m
10	3	12M	75.4u	986.6u	1.774m	424.1m
11	1	11M	88.0u	-	-	93.36m
12	2	17M	95.9u	1.144m	-	536.1m
13	2	16M	90.5u	1.520m	-	340.2m
14	2	12M	63.2u	1.057m	-	187.1m
15	2	9M	92.1u	1.500m	-	455.0m
16	3	14M	68.8u	1.918m	1.758m	451.6m
17	1	19M	91.6u	-	-	284.7m
18	3	12M	96.5u	1.043m	1.365m	300.0m
19	1	5M	80.9u	-	-	216.1m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

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	11M	67.0u	1.235m	-	165.8m
2	2	19M	97.6u	1.693m	-	565.9m
3	2	9M	77.9u	1.099m	-	168.0m
4	2	8M	85.8u	1.704m	-	661.2m
5	2	15M	81.3u	1.634m	-	418.7m
6	1	12M	53.4u	-	-	76.74m
7	3	10M	87.8u	1.101m	1.426m	427.6m
8	1	13M	87.7u	-	-	770.6m
9	1	8M	88.1u	-	-	67.35m
10	2	9M	95.9u	1.765m	-	194.9m
11	2	12M	96.0u	1.894m	-	387.8m
12	3	7M	52.0u	948.0u	1.305m	774.5m
13	2	5M	56.0u	1.705m	-	16.27m
14	1	18M	67.5u	-	-	477.2m
15	3	6M	64.4u	945.6u	1.911m	493.4m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_17

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	52.0u	1.385m	1.736m	682.7m
2	1	18M	79.3u	-	-	105.5m
3	3	6M	82.8u	1.423m	1.213m	611.0m
4	2	18M	59.6u	1.672m	-	896.8m
5	3	6M	55.4u	1.312m	1.663m	123.7m
6	1	12M	81.7u	-	-	165.9m
7	1	6M	89.1u	-	-	784.1m
8	2	20M	99.1u	1.573m	-	290.8m
9	2	13M	99.2u	1.207m	-	461.7m
10	3	9M	76.6u	1.490m	1.253m	296.9m
11	1	17M	95.1u	-	-	982.5m



Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_18

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	51.6u	1.832m	-	406.0m
2	2	11M	75.9u	1.124m	-	853.4m
3	2	7M	90.1u	1.453m	-	256.7m
4	3	6M	74.1u	1.480m	1.482m	150.1m
5	1	13M	87.2u	-	-	180.8m
6	3	12M	89.8u	1.549m	1.184m	457.0m
7	1	19M	57.1u	-	-	615.7m
8	2	10M	73.1u	1.689m	-	742.1m
9	3	13M	79.7u	1.590m	1.879m	166.8m
10	2	18M	52.0u	1.021m	-	68.46m
11	1	16M	52.4u	-	-	717.7m
12	3	8M	72.2u	1.473m	1.295m	209.7m
13	2	12M	96.7u	947.3u	-	550.5m
14	2	12M	77.9u	1.060m	-	190.3m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	12M	77.7u	-	-	324.5m
2	1	8M	65.8u	-	-	754.7m
3	1	15M	78.0u	-	-	36.59m
4	1	6M	76.6u	-	-	374.6m
5	2	13M	79.1u	1.017m	-	349.7m
6	2	5M	79.8u	1.141m	-	388.9m
7	2	12M	90.7u	1.423m	-	592.6m
8	2	13M	67.3u	1.705m	-	261.7m
9	2	11M	95.3u	1.316m	-	423.9m
10	3	7M	91.9u	1.536m	1.725m	187.7m
11	2	7M	69.4u	1.890m	-	79.64m
12	2	9M	57.4u	1.822m	-	618.4m
13	2	11M	79.4u	969.6u	-	416.0m
14	3	17M	70.1u	1.567m	1.293m	248.1m
15	2	9M	56.4u	1.898m	-	792.0m



Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_20

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	12M	64.6u	-	-	616.3m
2	2	8M	77.2u	1.665m	-	474.9m
3	3	18M	91.9u	1.059m	918.1u	31.92m
4	2	10M	77.3u	1.776m	-	757.5m
5	2	12M	61.7u	1.151m	-	607.1m
6	3	5M	68.5u	1.337m	936.5u	525.4m
7	2	18M	51.4u	1.692m	-	192.2m
8	1	13M	57.9u	-	-	178.5m
9	2	10M	91.7u	1.769m	-	329.4m
10	2	13M	77.0u	1.342m	-	150.9m
11	2	17M	70.6u	1.193m	-	41.33m
12	1	12M	51.2u	-	-	788.6m
13	3	12M	51.8u	1.484m	1.379m	362.4m
14	1	16M	65.5u	-	-	409.1m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_21

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	81.6u	1.406m	-	685.5m
2	2	5M	65.1u	1.077m	-	743.6m
3	1	8M	64.2u	-	-	444.6m
4	3	12M	58.4u	1.761m	1.502m	436.5m
5	2	9M	99.4u	1.319m	-	192.7m
6	3	20M	62.1u	1.705m	1.044m	403.9m
7	2	9M	78.4u	1.860m	-	712.4m
8	3	14M	70.1u	1.480m	1.087m	601.4m
9	2	13M	56.7u	1.238m	-	587.3m
10	2	16M	56.0u	1.656m	-	688.2m
11	3	11M	55.2u	1.614m	1.161m	283.4m
12	2	7M	98.9u	1.052m	-	409.6m
13	3	18M	77.6u	1.491m	1.800m	27.66m
14	2	9M	71.4u	1.797m	-	273.6m
15	2	11M	57.6u	1.770m	-	133.2m
16	2	13M	60.5u	1.579m	-	256.3m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_22

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	6M	74.4u	1.797m	-	1.261
2	2	6M	96.0u	1.830m	-	188.9m
3	2	7M	69.7u	1.489m	-	225.3m
4	3	16M	66.0u	1.808m	1.714m	78.60m
5	1	10M	57.0u	-	-	164.6m
6	3	12M	57.8u	1.928m	1.444m	1.130
7	2	14M	58.7u	1.846m	-	994.9m
8	1	17M	53.2u	-	-	153.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	68.2u	1.891m	1.546m	262.6m
2	2	6M	83.2u	1.286m	-	700.0m
3	1	13M	85.0u	-	-	884.9m
4	2	16M	74.1u	1.064m	-	263.1m
5	1	9M	72.7u	-	-	302.4m
6	2	7M	74.4u	1.533m	-	123.1m
7	2	7M	98.2u	1.083m	-	554.1m
8	1	6M	60.0u	-	-	152.7m
9	2	16M	92.6u	1.198m	-	854.4m
10	2	9M	91.0u	1.345m	-	571.4m
11	2	7M	74.9u	1.069m	-	901.5m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	91.2u	-	-	697.1m
2	1	8M	50.7u	-	-	513.0m
3	2	12M	50.8u	1.198m	-	725.2m
4	2	18M	75.2u	1.722m	-	176.3m
5	2	9M	79.0u	1.741m	-	1.068
6	3	6M	86.9u	1.390m	1.534m	837.5m
7	2	12M	77.4u	1.744m	-	580.0m
8	3	13M	60.3u	1.460m	1.493m	443.5m
9	2	16M	60.8u	1.539m	-	515.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_25

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	77.8u	-	-	451.4m
2	3	18M	83.0u	1.324m	1.263m	255.0m
3	1	7M	66.0u	-	-	450.9m
4	3	16M	74.4u	1.882m	1.473m	60.73m
5	2	8M	91.9u	922.1u	-	63.37m
6	2	6M	85.4u	933.6u	-	313.7m
7	2	10M	87.8u	1.520m	-	118.8m
8	3	17M	75.4u	1.402m	1.510m	278.1m
9	1	10M	95.9u	-	-	523.6m
10	3	13M	87.1u	1.237m	1.409m	8.978m
11	3	17M	88.0u	1.315m	1.635m	599.5m
12	2	5M	80.5u	1.071m	-	89.72m
13	3	5M	79.3u	1.621m	1.741m	430.5m
14	3	16M	83.9u	1.638m	1.751m	651.8m
15	2	8M	61.9u	1.398m	-	253.4m
16	1	6M	50.6u	-	-	622.7m
17	2	6M	80.6u	1.039m	-	254.0m
18	3	10M	90.9u	1.642m	1.800m	442.6m



Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_26

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	78.5u	1.257m	-	457.8m
2	2	9M	92.2u	1.362m	-	638.0m
3	1	12M	89.5u	-	-	637.1m
4	3	11M	78.2u	1.550m	1.452m	498.0m
5	1	10M	55.0u	-	-	484.2m
6	1	17M	83.7u	-	-	137.2m
7	2	12M	79.9u	938.1u	-	400.0m
8	3	18M	90.2u	1.459m	1.146m	454.7m
9	1	9M	99.4u	-	-	197.0m
10	2	9M	80.6u	1.381m	-	184.7m
11	2	20M	76.2u	1.308m	-	650.0m
12	1	10M	98.6u	-	-	179.2m
13	3	6M	95.0u	1.442m	1.112m	576.2m
14	3	11M	60.9u	1.781m	1.310m	90.53m
15	1	16M	96.7u	-	-	577.7m
16	3	6M	58.9u	1.886m	1.541m	403.4m
17	2	11M	91.7u	1.430m	-	78.19m
18	3	8M	71.5u	1.351m	1.133m	334.8m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_27

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	16M	93.0u	-	-	224.8m
2	2	15M	65.2u	1.894m	-	569.2m
3	1	13M	72.1u	-	-	387.0m
4	3	17M	97.2u	1.130m	1.462m	1.602m
5	2	9M	94.2u	917.8u	-	413.7m
6	3	9M	91.6u	1.325m	1.581m	774.4m
7	2	9M	58.3u	1.215m	-	353.3m
8	2	8M	70.8u	1.619m	-	422.2m
9	3	16M	87.4u	1.030m	1.405m	626.7m
10	1	20M	82.3u	-	-	551.7m
11	1	8M	97.0u	-	-	249.7m
12	2	12M	82.9u	1.242m	-	569.6m
13	2	6M	99.4u	1.378m	-	15.15m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_28

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	88.7u	913.3u	-	356.7m
2	3	11M	52.3u	1.837m	1.175m	326.4m
3	3	12M	68.0u	1.893m	1.424m	520.8m
4	2	11M	70.9u	951.1u	-	600.2m
5	1	17M	58.8u	-	-	190.3m
6	3	19M	67.3u	1.862m	1.079m	23.63m
7	2	20M	59.2u	1.765m	-	675.2m
8	2	20M	86.5u	1.527m	-	599.5m
9	2	17M	52.3u	1.278m	-	344.6m
10	2	14M	67.1u	1.252m	-	1.885m
11	2	18M	79.7u	1.886m	-	437.1m
12	1	12M	69.8u	-	-	280.8m
13	2	6M	53.0u	1.412m	-	371.5m
14	3	15M	94.7u	1.605m	1.311m	168.2m
15	2	18M	73.2u	1.628m	-	477.1m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

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	9M	79.8u	1.323m	1.112m	630.7m
2	1	8M	72.3u	-	-	12.89m
3	2	8M	59.5u	1.664m	-	436.2m
4	1	15M	50.3u	-	-	664.0m
5	2	14M	64.9u	1.423m	-	485.5m
6	3	16M	56.0u	1.412m	1.331m	354.8m
7	3	7M	67.9u	1.286m	1.884m	112.8m
8	2	8M	94.3u	1.895m	-	47.09m
9	3	18M	98.7u	1.667m	1.465m	572.4m
10	2	14M	81.4u	1.485m	-	218.0m
11	2	12M	65.0u	1.086m	-	102.1m
12	1	12M	58.6u	-	-	507.8m
13	2	18M	70.4u	1.777m	-	588.6m
14	1	13M	80.9u	-	-	94.93m
15	3	14M	65.6u	1.843m	1.665m	490.8m
16	1	13M	79.4u	-	-	64.97m
17	2	11M	61.6u	1.545m	-	370.6m

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_30

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	66.6u	1.513m	-	421.3m
2	2	10M	60.0u	1.581m	-	653.9m
3	1	6M	89.9u	-	-	634.7m
4	3	20M	84.2u	1.615m	1.840m	404.2m
5	3	15M	59.7u	1.019m	1.247m	787.8m
6	1	10M	73.8u	-	-	643.5m
7	1	6M	77.0u	-	-	564.8m
8	3	14M	68.9u	1.896m	1.362m	847.6m
9	2	16M	85.2u	1.004m	-	553.4m
10	1	17M	82.1u	-	-	684.0m
11	1	13M	96.3u	-	-	769.1m
12	2	16M	71.6u	998.4u	-	325.3m
13	3	6M	62.4u	1.306m	944.6u	141.3m
14	3	12M	96.5u	1.360m	1.855m	327.2m

B.2 The Frequency Hopping Radar Pattern

IEEE 802.11n 20MHz.

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.490G	2	5.681G	3	5.258G	4	5.597G
5	5.391G	6	5.312G	7	5.515G	8	5.472G
9	5.476G	10	5.534G	11	5.535G	12	5.446G
13	5.558G	14	5.610G	15	5.404G	16	5.619G
17	5.621G	18	5.703G	19	5.480G	20	5.380G
21	5.350G	22	5.624G	23	5.289G	24	5.570G
25	5.670G	26	5.531G	27	5.698G	28	5.445G
29	5.334G	30	5.457G	31	5.645G	32	5.552G
33	5.528G	34	5.551G	35	5.724G	36	5.274G
37	5.628G	38	5.549G	39	5.310G	40	5.301G
41	5.407G	42	5.505G	43	5.427G	44	5.322G
45	5.414G	46	5.397G	47	5.594G	48	5.486G
49	5.718G	50	5.379G	51	5.496G	52	5.412G
53	5.372G	54	5.587G	55	5.277G	56	5.304G
57	5.556G	58	5.705G	59	5.263G	60	5.652G
61	5.386G	62	5.631G	63	5.666G	64	5.700G
65	5.622G	66	5.374G	67	5.384G	68	5.418G
69	5.712G	70	5.333G	71	5.422G	72	5.292G
73	5.346G	74	5.396G	75	5.533G	76	5.441G
77	5.368G	78	5.495G	79	5.723G	80	5.539G
81	5.429G	82	5.471G	83	5.636G	84	5.487G
85	5.506G	86	5.482G	87	5.714G	88	5.662G
89	5.616G	90	5.388G	91	5.601G	92	5.582G
93	5.680G	94	5.255G	95	5.348G	96	5.643G
97	5.627G	98	5.647G	99	5.272G	100	5.548G



A D T

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.680G	2	5.472G	3	5.439G	4	5.576G
5	5.458G	6	5.302G	7	5.382G	8	5.544G
9	5.500G	10	5.269G	11	5.420G	12	5.490G
13	5.523G	14	5.418G	15	5.661G	16	5.250G
17	5.411G	18	5.581G	19	5.393G	20	5.541G
21	5.699G	22	5.331G	23	5.668G	24	5.319G
25	5.292G	26	5.705G	27	5.321G	28	5.409G
29	5.487G	30	5.286G	31	5.281G	32	5.483G
33	5.284G	34	5.641G	35	5.454G	36	5.633G
37	5.572G	38	5.274G	39	5.436G	40	5.407G
41	5.403G	42	5.405G	43	5.595G	44	5.658G
45	5.477G	46	5.482G	47	5.538G	48	5.533G
49	5.655G	50	5.579G	51	5.693G	52	5.348G
53	5.300G	54	5.442G	55	5.385G	56	5.270G
57	5.254G	58	5.440G	59	5.691G	60	5.417G
61	5.608G	62	5.390G	63	5.715G	64	5.686G
65	5.401G	66	5.607G	67	5.648G	68	5.336G
69	5.654G	70	5.355G	71	5.679G	72	5.653G
73	5.569G	74	5.709G	75	5.574G	76	5.547G
77	5.539G	78	5.618G	79	5.397G	80	5.666G
81	5.712G	82	5.620G	83	5.301G	84	5.687G
85	5.526G	86	5.367G	87	5.512G	88	5.606G
89	5.531G	90	5.722G	91	5.489G	92	5.451G
93	5.621G	94	5.540G	95	5.287G	96	5.259G
97	5.273G	98	5.479G	99	5.288G	100	5.660G



A D T

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.589G	2	5.313G	3	5.673G	4	5.566G
5	5.656G	6	5.361G	7	5.394G	8	5.428G
9	5.437G	10	5.643G	11	5.418G	12	5.315G
13	5.514G	14	5.666G	15	5.661G	16	5.335G
17	5.331G	18	5.374G	19	5.722G	20	5.472G
21	5.349G	22	5.533G	23	5.468G	24	5.613G
25	5.630G	26	5.362G	27	5.434G	28	5.579G
29	5.618G	30	5.354G	31	5.551G	32	5.473G
33	5.677G	34	5.381G	35	5.414G	36	5.296G
37	5.254G	38	5.588G	39	5.495G	40	5.463G
41	5.286G	42	5.489G	43	5.607G	44	5.485G
45	5.451G	46	5.448G	47	5.341G	48	5.290G
49	5.536G	50	5.456G	51	5.462G	52	5.440G
53	5.648G	54	5.572G	55	5.284G	56	5.718G
57	5.701G	58	5.487G	59	5.594G	60	5.365G
61	5.546G	62	5.464G	63	5.723G	64	5.438G
65	5.706G	66	5.343G	67	5.568G	68	5.395G
69	5.619G	70	5.261G	71	5.564G	72	5.678G
73	5.604G	74	5.597G	75	5.689G	76	5.569G
77	5.378G	78	5.667G	79	5.443G	80	5.265G
81	5.704G	82	5.615G	83	5.642G	84	5.405G
85	5.540G	86	5.423G	87	5.390G	88	5.353G
89	5.608G	90	5.276G	91	5.368G	92	5.382G
93	5.250G	94	5.384G	95	5.376G	96	5.400G
97	5.302G	98	5.690G	99	5.530G	100	5.628G



A D T

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.386G	2	5.627G	3	5.437G	4	5.651G
5	5.704G	6	5.611G	7	5.338G	8	5.301G
9	5.514G	10	5.339G	11	5.609G	12	5.499G
13	5.377G	14	5.468G	15	5.469G	16	5.535G
17	5.456G	18	5.632G	19	5.392G	20	5.684G
21	5.289G	22	5.542G	23	5.614G	24	5.581G
25	5.296G	26	5.400G	27	5.650G	28	5.583G
29	5.671G	30	5.281G	31	5.414G	32	5.409G
33	5.407G	34	5.335G	35	5.277G	36	5.394G
37	5.618G	38	5.530G	39	5.426G	40	5.653G
41	5.652G	42	5.292G	43	5.688G	44	5.345G
45	5.495G	46	5.675G	47	5.496G	48	5.352G
49	5.536G	50	5.396G	51	5.637G	52	5.270G
53	5.288G	54	5.389G	55	5.554G	56	5.340G
57	5.680G	58	5.586G	59	5.590G	60	5.312G
61	5.382G	62	5.477G	63	5.308G	64	5.350G
65	5.463G	66	5.597G	67	5.713G	68	5.479G
69	5.341G	70	5.549G	71	5.541G	72	5.373G
73	5.343G	74	5.600G	75	5.486G	76	5.552G
77	5.580G	78	5.576G	79	5.263G	80	5.638G
81	5.447G	82	5.619G	83	5.253G	84	5.520G
85	5.718G	86	5.571G	87	5.724G	88	5.374G
89	5.537G	90	5.723G	91	5.564G	92	5.293G
93	5.290G	94	5.380G	95	5.313G	96	5.331G
97	5.494G	98	5.443G	99	5.271G	100	5.265G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.699G	2	5.637G	3	5.253G	4	5.524G
5	5.419G	6	5.338G	7	5.552G	8	5.316G
9	5.454G	10	5.655G	11	5.674G	12	5.407G
13	5.282G	14	5.718G	15	5.523G	16	5.531G
17	5.392G	18	5.383G	19	5.339G	20	5.476G
21	5.597G	22	5.519G	23	5.425G	24	5.438G
25	5.455G	26	5.453G	27	5.503G	28	5.481G
29	5.265G	30	5.635G	31	5.291G	32	5.382G
33	5.611G	34	5.666G	35	5.477G	36	5.418G
37	5.498G	38	5.658G	39	5.619G	40	5.494G
41	5.669G	42	5.335G	43	5.568G	44	5.251G
45	5.528G	46	5.707G	47	5.264G	48	5.311G
49	5.271G	50	5.689G	51	5.608G	52	5.379G
53	5.411G	54	5.695G	55	5.648G	56	5.522G
57	5.470G	58	5.292G	59	5.480G	60	5.390G
61	5.588G	62	5.526G	63	5.474G	64	5.549G
65	5.624G	66	5.461G	67	5.421G	68	5.328G
69	5.537G	70	5.521G	71	5.330G	72	5.466G
73	5.701G	74	5.543G	75	5.560G	76	5.465G
77	5.649G	78	5.596G	79	5.452G	80	5.268G
81	5.678G	82	5.623G	83	5.646G	84	5.403G
85	5.436G	86	5.450G	87	5.256G	88	5.366G
89	5.252G	90	5.467G	91	5.605G	92	5.540G
93	5.345G	94	5.269G	95	5.533G	96	5.368G
97	5.428G	98	5.296G	99	5.487G	100	5.398G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.343G	2	5.419G	3	5.375G	4	5.568G
5	5.588G	6	5.468G	7	5.546G	8	5.498G
9	5.262G	10	5.648G	11	5.378G	12	5.267G
13	5.689G	14	5.462G	15	5.352G	16	5.558G
17	5.421G	18	5.719G	19	5.622G	20	5.345G
21	5.308G	22	5.330G	23	5.445G	24	5.399G
25	5.606G	26	5.722G	27	5.617G	28	5.363G
29	5.715G	30	5.624G	31	5.655G	32	5.429G
33	5.527G	34	5.702G	35	5.481G	36	5.347G
37	5.535G	38	5.708G	39	5.707G	40	5.332G
41	5.717G	42	5.658G	43	5.530G	44	5.299G
45	5.346G	46	5.436G	47	5.426G	48	5.521G
49	5.412G	50	5.714G	51	5.512G	52	5.647G
53	5.621G	54	5.315G	55	5.435G	56	5.302G
57	5.540G	58	5.613G	59	5.666G	60	5.615G
61	5.389G	62	5.696G	63	5.705G	64	5.324G
65	5.549G	66	5.313G	67	5.326G	68	5.495G
69	5.384G	70	5.652G	71	5.599G	72	5.483G
73	5.361G	74	5.425G	75	5.459G	76	5.430G
77	5.295G	78	5.642G	79	5.494G	80	5.470G
81	5.697G	82	5.489G	83	5.474G	84	5.395G
85	5.607G	86	5.283G	87	5.407G	88	5.554G
89	5.259G	90	5.597G	91	5.706G	92	5.261G
93	5.277G	94	5.704G	95	5.387G	96	5.392G
97	5.296G	98	5.582G	99	5.342G	100	5.394G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.592G	2	5.259G	3	5.689G	4	5.364G
5	5.537G	6	5.266G	7	5.482G	8	5.359G
9	5.334G	10	5.663G	11	5.459G	12	5.571G
13	5.453G	14	5.612G	15	5.290G	16	5.614G
17	5.685G	18	5.724G	19	5.697G	20	5.446G
21	5.296G	22	5.400G	23	5.634G	24	5.565G
25	5.271G	26	5.464G	27	5.695G	28	5.616G
29	5.658G	30	5.698G	31	5.594G	32	5.530G
33	5.694G	34	5.342G	35	5.326G	36	5.588G
37	5.666G	38	5.498G	39	5.404G	40	5.720G
41	5.461G	42	5.561G	43	5.540G	44	5.322G
45	5.718G	46	5.451G	47	5.443G	48	5.639G
49	5.474G	50	5.369G	51	5.469G	52	5.519G
53	5.329G	54	5.721G	55	5.607G	56	5.490G
57	5.275G	58	5.710G	59	5.318G	60	5.514G
61	5.585G	62	5.568G	63	5.367G	64	5.308G
65	5.312G	66	5.621G	67	5.306G	68	5.477G
69	5.533G	70	5.311G	71	5.587G	72	5.573G
73	5.605G	74	5.319G	75	5.415G	76	5.673G
77	5.609G	78	5.560G	79	5.709G	80	5.452G
81	5.630G	82	5.512G	83	5.356G	84	5.480G
85	5.523G	86	5.440G	87	5.563G	88	5.591G
89	5.478G	90	5.660G	91	5.291G	92	5.669G
93	5.435G	94	5.401G	95	5.479G	96	5.631G
97	5.690G	98	5.716G	99	5.297G	100	5.708G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.473G	2	5.632G	3	5.520G	4	5.495G
5	5.345G	6	5.607G	7	5.698G	8	5.274G
9	5.481G	10	5.302G	11	5.713G	12	5.677G
13	5.440G	14	5.518G	15	5.359G	16	5.299G
17	5.382G	18	5.403G	19	5.344G	20	5.306G
21	5.546G	22	5.488G	23	5.724G	24	5.581G
25	5.705G	26	5.396G	27	5.321G	28	5.369G
29	5.716G	30	5.267G	31	5.483G	32	5.603G
33	5.482G	34	5.330G	35	5.400G	36	5.525G
37	5.530G	38	5.428G	39	5.309G	40	5.634G
41	5.723G	42	5.696G	43	5.266G	44	5.689G
45	5.304G	46	5.399G	47	5.453G	48	5.334G
49	5.672G	50	5.545G	51	5.487G	52	5.364G
53	5.627G	54	5.577G	55	5.528G	56	5.386G
57	5.347G	58	5.648G	59	5.692G	60	5.379G
61	5.535G	62	5.704G	63	5.543G	64	5.276G
65	5.555G	66	5.602G	67	5.598G	68	5.283G
69	5.372G	70	5.467G	71	5.538G	72	5.457G
73	5.595G	74	5.548G	75	5.658G	76	5.478G
77	5.623G	78	5.406G	79	5.491G	80	5.275G
81	5.292G	82	5.516G	83	5.279G	84	5.514G
85	5.659G	86	5.445G	87	5.486G	88	5.262G
89	5.353G	90	5.556G	91	5.349G	92	5.571G
93	5.458G	94	5.315G	95	5.355G	96	5.500G
97	5.459G	98	5.426G	99	5.587G	100	5.635G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.495G	2	5.283G	3	5.282G	4	5.669G
5	5.612G	6	5.384G	7	5.638G	8	5.707G
9	5.383G	10	5.622G	11	5.322G	12	5.479G
13	5.587G	14	5.485G	15	5.574G	16	5.290G
17	5.305G	18	5.685G	19	5.355G	20	5.421G
21	5.332G	22	5.410G	23	5.624G	24	5.643G
25	5.697G	26	5.407G	27	5.299G	28	5.527G
29	5.389G	30	5.313G	31	5.391G	32	5.475G
33	5.713G	34	5.415G	35	5.579G	36	5.641G
37	5.557G	38	5.704G	39	5.691G	40	5.537G
41	5.477G	42	5.339G	43	5.276G	44	5.358G
45	5.349G	46	5.681G	47	5.679G	48	5.543G
49	5.337G	50	5.390G	51	5.497G	52	5.268G
53	5.684G	54	5.445G	55	5.380G	56	5.411G
57	5.363G	58	5.506G	59	5.483G	60	5.548G
61	5.716G	62	5.310G	63	5.340G	64	5.719G
65	5.617G	66	5.486G	67	5.285G	68	5.652G
69	5.331G	70	5.348G	71	5.565G	72	5.398G
73	5.480G	74	5.598G	75	5.342G	76	5.278G
77	5.489G	78	5.531G	79	5.705G	80	5.412G
81	5.446G	82	5.653G	83	5.554G	84	5.560G
85	5.250G	86	5.289G	87	5.345G	88	5.326G
89	5.297G	90	5.382G	91	5.619G	92	5.580G
93	5.664G	94	5.514G	95	5.670G	96	5.395G
97	5.333G	98	5.328G	99	5.427G	100	5.588G



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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	5.677G	2	5.681G	3	5.255G	4	5.274G
5	5.446G	6	5.566G	7	5.317G	8	5.457G
9	5.442G	10	5.354G	11	5.631G	12	5.350G
13	5.267G	14	5.649G	15	5.542G	16	5.604G
17	5.659G	18	5.655G	19	5.257G	20	5.621G
21	5.384G	22	5.660G	23	5.282G	24	5.526G
25	5.314G	26	5.271G	27	5.654G	28	5.688G
29	5.675G	30	5.498G	31	5.514G	32	5.524G
33	5.344G	34	5.682G	35	5.723G	36	5.634G
37	5.455G	38	5.592G	39	5.425G	40	5.341G
41	5.568G	42	5.684G	43	5.484G	44	5.626G
45	5.405G	46	5.633G	47	5.339G	48	5.708G
49	5.646G	50	5.478G	51	5.461G	52	5.315G
53	5.489G	54	5.313G	55	5.270G	56	5.529G
57	5.499G	58	5.299G	59	5.251G	60	5.548G
61	5.687G	62	5.262G	63	5.584G	64	5.697G
65	5.582G	66	5.551G	67	5.554G	68	5.402G
69	5.722G	70	5.445G	71	5.600G	72	5.676G
73	5.418G	74	5.636G	75	5.393G	76	5.408G
77	5.463G	78	5.620G	79	5.409G	80	5.308G
81	5.359G	82	5.539G	83	5.602G	84	5.390G
85	5.400G	86	5.368G	87	5.537G	88	5.422G
89	5.640G	90	5.336G	91	5.555G	92	5.300G
93	5.413G	94	5.597G	95	5.377G	96	5.397G
97	5.333G	98	5.541G	99	5.579G	100	5.281G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.555G	2	5.435G	3	5.619G	4	5.397G
5	5.323G	6	5.350G	7	5.557G	8	5.700G
9	5.300G	10	5.387G	11	5.635G	12	5.386G
13	5.322G	14	5.282G	15	5.262G	16	5.623G
17	5.279G	18	5.691G	19	5.604G	20	5.292G
21	5.401G	22	5.503G	23	5.518G	24	5.418G
25	5.563G	26	5.533G	27	5.706G	28	5.702G
29	5.357G	30	5.332G	31	5.423G	32	5.687G
33	5.631G	34	5.363G	35	5.660G	36	5.694G
37	5.293G	38	5.674G	39	5.629G	40	5.461G
41	5.252G	42	5.570G	43	5.714G	44	5.500G
45	5.368G	46	5.607G	47	5.299G	48	5.302G
49	5.317G	50	5.465G	51	5.256G	52	5.480G
53	5.443G	54	5.526G	55	5.305G	56	5.355G
57	5.549G	58	5.320G	59	5.351G	60	5.377G
61	5.421G	62	5.495G	63	5.339G	64	5.539G
65	5.297G	66	5.431G	67	5.699G	68	5.446G
69	5.411G	70	5.389G	71	5.697G	72	5.494G
73	5.675G	74	5.639G	75	5.276G	76	5.288G
77	5.583G	78	5.562G	79	5.590G	80	5.496G
81	5.679G	82	5.598G	83	5.599G	84	5.588G
85	5.346G	86	5.263G	87	5.284G	88	5.430G
89	5.264G	90	5.277G	91	5.467G	92	5.333G
93	5.620G	94	5.615G	95	5.383G	96	5.259G
97	5.268G	98	5.595G	99	5.547G	100	5.312G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.531G	2	5.677G	3	5.469G	4	5.535G
5	5.342G	6	5.521G	7	5.569G	8	5.404G
9	5.647G	10	5.687G	11	5.257G	12	5.554G
13	5.384G	14	5.338G	15	5.512G	16	5.253G
17	5.381G	18	5.661G	19	5.722G	20	5.378G
21	5.679G	22	5.494G	23	5.639G	24	5.322G
25	5.278G	26	5.311G	27	5.361G	28	5.256G
29	5.532G	30	5.597G	31	5.473G	32	5.636G
33	5.593G	34	5.710G	35	5.462G	36	5.497G
37	5.319G	38	5.544G	39	5.501G	40	5.556G
41	5.352G	42	5.304G	43	5.598G	44	5.694G
45	5.585G	46	5.315G	47	5.528G	48	5.609G
49	5.399G	50	5.480G	51	5.534G	52	5.594G
53	5.344G	54	5.711G	55	5.416G	56	5.520G
57	5.355G	58	5.634G	59	5.583G	60	5.527G
61	5.587G	62	5.580G	63	5.455G	64	5.448G
65	5.652G	66	5.406G	67	5.373G	68	5.430G
69	5.649G	70	5.495G	71	5.376G	72	5.465G
73	5.284G	74	5.337G	75	5.371G	76	5.708G
77	5.565G	78	5.490G	79	5.546G	80	5.651G
81	5.654G	82	5.518G	83	5.375G	84	5.414G
85	5.433G	86	5.617G	87	5.468G	88	5.301G
89	5.625G	90	5.691G	91	5.709G	92	5.558G
93	5.372G	94	5.645G	95	5.350G	96	5.487G
97	5.669G	98	5.460G	99	5.453G	100	5.716G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.474G	2	5.597G	3	5.426G	4	5.301G
5	5.627G	6	5.342G	7	5.381G	8	5.319G
9	5.504G	10	5.441G	11	5.287G	12	5.579G
13	5.577G	14	5.332G	15	5.714G	16	5.446G
17	5.262G	18	5.643G	19	5.260G	20	5.286G
21	5.268G	22	5.686G	23	5.404G	24	5.460G
25	5.634G	26	5.587G	27	5.512G	28	5.562G
29	5.559G	30	5.292G	31	5.639G	32	5.663G
33	5.722G	34	5.377G	35	5.369G	36	5.514G
37	5.538G	38	5.385G	39	5.322G	40	5.336G
41	5.679G	42	5.603G	43	5.258G	44	5.542G
45	5.298G	46	5.491G	47	5.693G	48	5.557G
49	5.337G	50	5.711G	51	5.451G	52	5.335G
53	5.393G	54	5.631G	55	5.673G	56	5.602G
57	5.671G	58	5.646G	59	5.284G	60	5.325G
61	5.552G	62	5.489G	63	5.465G	64	5.701G
65	5.435G	66	5.517G	67	5.433G	68	5.375G
69	5.576G	70	5.401G	71	5.644G	72	5.637G
73	5.338G	74	5.568G	75	5.405G	76	5.269G
77	5.428G	78	5.509G	79	5.640G	80	5.717G
81	5.252G	82	5.520G	83	5.485G	84	5.454G
85	5.398G	86	5.497G	87	5.384G	88	5.413G
89	5.270G	90	5.487G	91	5.537G	92	5.723G
93	5.429G	94	5.682G	95	5.463G	96	5.713G
97	5.599G	98	5.567G	99	5.351G	100	5.580G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.300G	2	5.635G	3	5.339G	4	5.384G
5	5.556G	6	5.568G	7	5.721G	8	5.415G
9	5.397G	10	5.450G	11	5.655G	12	5.320G
13	5.367G	14	5.366G	15	5.323G	16	5.596G
17	5.311G	18	5.714G	19	5.398G	20	5.445G
21	5.531G	22	5.532G	23	5.285G	24	5.632G
25	5.283G	26	5.385G	27	5.572G	28	5.487G
29	5.627G	30	5.306G	31	5.427G	32	5.330G
33	5.520G	34	5.414G	35	5.718G	36	5.695G
37	5.348G	38	5.696G	39	5.516G	40	5.500G
41	5.303G	42	5.713G	43	5.724G	44	5.336G
45	5.698G	46	5.453G	47	5.578G	48	5.267G
49	5.264G	50	5.309G	51	5.372G	52	5.426G
53	5.660G	54	5.584G	55	5.291G	56	5.333G
57	5.271G	58	5.301G	59	5.501G	60	5.647G
61	5.682G	62	5.315G	63	5.440G	64	5.275G
65	5.375G	66	5.684G	67	5.410G	68	5.354G
69	5.679G	70	5.377G	71	5.316G	72	5.589G
73	5.666G	74	5.577G	75	5.602G	76	5.683G
77	5.688G	78	5.538G	79	5.344G	80	5.651G
81	5.623G	82	5.324G	83	5.490G	84	5.523G
85	5.676G	86	5.540G	87	5.351G	88	5.505G
89	5.636G	90	5.603G	91	5.612G	92	5.608G
93	5.650G	94	5.699G	95	5.680G	96	5.365G
97	5.280G	98	5.670G	99	5.259G	100	5.425G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.299G	2	5.556G	3	5.573G	4	5.350G
5	5.604G	6	5.256G	7	5.322G	8	5.512G
9	5.377G	10	5.602G	11	5.520G	12	5.721G
13	5.634G	14	5.591G	15	5.266G	16	5.340G
17	5.261G	18	5.596G	19	5.384G	20	5.551G
21	5.562G	22	5.708G	23	5.713G	24	5.330G
25	5.399G	26	5.689G	27	5.294G	28	5.365G
29	5.500G	30	5.485G	31	5.724G	32	5.672G
33	5.585G	34	5.381G	35	5.423G	36	5.594G
37	5.471G	38	5.344G	39	5.435G	40	5.388G
41	5.413G	42	5.707G	43	5.526G	44	5.259G
45	5.405G	46	5.541G	47	5.369G	48	5.511G
49	5.391G	50	5.374G	51	5.533G	52	5.446G
53	5.676G	54	5.326G	55	5.527G	56	5.346G
57	5.312G	58	5.515G	59	5.630G	60	5.408G
61	5.651G	62	5.395G	63	5.385G	64	5.292G
65	5.506G	66	5.701G	67	5.571G	68	5.650G
69	5.586G	70	5.362G	71	5.469G	72	5.382G
73	5.667G	74	5.467G	75	5.614G	76	5.524G
77	5.567G	78	5.402G	79	5.406G	80	5.488G
81	5.542G	82	5.547G	83	5.445G	84	5.418G
85	5.414G	86	5.665G	87	5.275G	88	5.420G
89	5.635G	90	5.513G	91	5.317G	92	5.321G
93	5.686G	94	5.536G	95	5.699G	96	5.276G
97	5.537G	98	5.629G	99	5.631G	100	5.449G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.543G	2	5.558G	3	5.283G	4	5.274G
5	5.321G	6	5.351G	7	5.401G	8	5.611G
9	5.608G	10	5.577G	11	5.322G	12	5.612G
13	5.369G	14	5.593G	15	5.619G	16	5.719G
17	5.422G	18	5.355G	19	5.692G	20	5.255G
21	5.349G	22	5.325G	23	5.677G	24	5.307G
25	5.694G	26	5.268G	27	5.541G	28	5.335G
29	5.613G	30	5.339G	31	5.526G	32	5.627G
33	5.527G	34	5.648G	35	5.435G	36	5.326G
37	5.693G	38	5.409G	39	5.529G	40	5.513G
41	5.250G	42	5.689G	43	5.337G	44	5.491G
45	5.282G	46	5.622G	47	5.504G	48	5.472G
49	5.382G	50	5.265G	51	5.467G	52	5.439G
53	5.299G	54	5.310G	55	5.591G	56	5.368G
57	5.621G	58	5.394G	59	5.264G	60	5.716G
61	5.505G	62	5.498G	63	5.378G	64	5.532G
65	5.376G	66	5.340G	67	5.460G	68	5.462G
69	5.585G	70	5.573G	71	5.474G	72	5.333G
73	5.602G	74	5.397G	75	5.372G	76	5.459G
77	5.446G	78	5.412G	79	5.469G	80	5.554G
81	5.514G	82	5.610G	83	5.506G	84	5.304G
85	5.252G	86	5.370G	87	5.548G	88	5.383G
89	5.253G	90	5.572G	91	5.497G	92	5.563G
93	5.302G	94	5.702G	95	5.616G	96	5.486G
97	5.391G	98	5.617G	99	5.415G	100	5.568G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.564G	2	5.639G	3	5.494G	4	5.671G
5	5.715G	6	5.426G	7	5.483G	8	5.344G
9	5.321G	10	5.338G	11	5.524G	12	5.663G
13	5.411G	14	5.490G	15	5.601G	16	5.462G
17	5.575G	18	5.712G	19	5.435G	20	5.576G
21	5.549G	22	5.606G	23	5.714G	24	5.657G
25	5.651G	26	5.475G	27	5.398G	28	5.255G
29	5.279G	30	5.585G	31	5.271G	32	5.496G
33	5.525G	34	5.425G	35	5.251G	36	5.266G
37	5.665G	38	5.526G	39	5.472G	40	5.565G
41	5.354G	42	5.382G	43	5.386G	44	5.561G
45	5.479G	46	5.723G	47	5.489G	48	5.505G
49	5.491G	50	5.632G	51	5.643G	52	5.624G
53	5.474G	54	5.415G	55	5.677G	56	5.627G
57	5.542G	58	5.706G	59	5.448G	60	5.708G
61	5.616G	62	5.497G	63	5.356G	64	5.562G
65	5.713G	66	5.402G	67	5.302G	68	5.428G
69	5.258G	70	5.450G	71	5.436G	72	5.269G
73	5.469G	74	5.458G	75	5.256G	76	5.252G
77	5.421G	78	5.454G	79	5.506G	80	5.694G
81	5.611G	82	5.548G	83	5.466G	84	5.669G
85	5.263G	86	5.275G	87	5.430G	88	5.681G
89	5.437G	90	5.486G	91	5.320G	92	5.696G
93	5.372G	94	5.423G	95	5.376G	96	5.404G
97	5.529G	98	5.602G	99	5.666G	100	5.550G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.531G	2	5.327G	3	5.328G	4	5.692G
5	5.722G	6	5.329G	7	5.470G	8	5.564G
9	5.540G	10	5.299G	11	5.263G	12	5.345G
13	5.444G	14	5.719G	15	5.317G	16	5.566G
17	5.396G	18	5.638G	19	5.439G	20	5.721G
21	5.472G	22	5.269G	23	5.420G	24	5.372G
25	5.275G	26	5.596G	27	5.265G	28	5.339G
29	5.304G	30	5.644G	31	5.294G	32	5.574G
33	5.478G	34	5.455G	35	5.341G	36	5.529G
37	5.669G	38	5.632G	39	5.353G	40	5.523G
41	5.509G	42	5.561G	43	5.589G	44	5.579G
45	5.694G	46	5.668G	47	5.488G	48	5.534G
49	5.253G	50	5.652G	51	5.554G	52	5.675G
53	5.274G	54	5.563G	55	5.358G	56	5.315G
57	5.697G	58	5.578G	59	5.474G	60	5.404G
61	5.352G	62	5.586G	63	5.379G	64	5.703G
65	5.573G	66	5.546G	67	5.607G	68	5.441G
69	5.538G	70	5.496G	71	5.673G	72	5.528G
73	5.645G	74	5.436G	75	5.459G	76	5.709G
77	5.423G	78	5.597G	79	5.590G	80	5.695G
81	5.691G	82	5.481G	83	5.382G	84	5.535G
85	5.411G	86	5.374G	87	5.451G	88	5.386G
89	5.717G	90	5.643G	91	5.393G	92	5.463G
93	5.480G	94	5.555G	95	5.276G	96	5.519G
97	5.598G	98	5.395G	99	5.362G	100	5.723G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.475G	2	5.473G	3	5.628G	4	5.579G
5	5.622G	6	5.587G	7	5.359G	8	5.291G
9	5.275G	10	5.317G	11	5.407G	12	5.631G
13	5.499G	14	5.278G	15	5.328G	16	5.423G
17	5.430G	18	5.476G	19	5.286G	20	5.516G
21	5.607G	22	5.505G	23	5.598G	24	5.351G
25	5.668G	26	5.672G	27	5.441G	28	5.467G
29	5.574G	30	5.644G	31	5.506G	32	5.677G
33	5.553G	34	5.352G	35	5.667G	36	5.510G
37	5.319G	38	5.520G	39	5.488G	40	5.343G
41	5.590G	42	5.581G	43	5.637G	44	5.294G
45	5.425G	46	5.535G	47	5.524G	48	5.517G
49	5.285G	50	5.449G	51	5.676G	52	5.255G
53	5.491G	54	5.700G	55	5.442G	56	5.469G
57	5.468G	58	5.384G	59	5.533G	60	5.267G
61	5.439G	62	5.361G	63	5.400G	64	5.373G
65	5.250G	66	5.556G	67	5.403G	68	5.682G
69	5.537G	70	5.552G	71	5.643G	72	5.539G
73	5.301G	74	5.559G	75	5.417G	76	5.526G
77	5.459G	78	5.634G	79	5.367G	80	5.652G
81	5.420G	82	5.572G	83	5.693G	84	5.549G
85	5.445G	86	5.339G	87	5.529G	88	5.696G
89	5.454G	90	5.308G	91	5.718G	92	5.457G
93	5.281G	94	5.565G	95	5.356G	96	5.621G
97	5.638G	98	5.462G	99	5.277G	100	5.679G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.451G	2	5.506G	3	5.278G	4	5.424G
5	5.400G	6	5.504G	7	5.431G	8	5.304G
9	5.545G	10	5.602G	11	5.497G	12	5.531G
13	5.499G	14	5.381G	15	5.557G	16	5.667G
17	5.529G	18	5.652G	19	5.362G	20	5.567G
21	5.261G	22	5.593G	23	5.555G	24	5.674G
25	5.698G	26	5.587G	27	5.267G	28	5.582G
29	5.406G	30	5.465G	31	5.616G	32	5.703G
33	5.324G	34	5.352G	35	5.415G	36	5.298G
37	5.717G	38	5.262G	39	5.449G	40	5.281G
41	5.327G	42	5.386G	43	5.581G	44	5.332G
45	5.600G	46	5.509G	47	5.322G	48	5.528G
49	5.552G	50	5.503G	51	5.421G	52	5.284G
53	5.272G	54	5.419G	55	5.649G	56	5.612G
57	5.692G	58	5.296G	59	5.657G	60	5.383G
61	5.374G	62	5.366G	63	5.294G	64	5.408G
65	5.360G	66	5.384G	67	5.685G	68	5.442G
69	5.628G	70	5.314G	71	5.341G	72	5.519G
73	5.299G	74	5.586G	75	5.554G	76	5.686G
77	5.471G	78	5.538G	79	5.470G	80	5.448G
81	5.270G	82	5.393G	83	5.601G	84	5.483G
85	5.620G	86	5.346G	87	5.377G	88	5.716G
89	5.624G	90	5.462G	91	5.321G	92	5.556G
93	5.598G	94	5.511G	95	5.309G	96	5.580G
97	5.521G	98	5.287G	99	5.553G	100	5.368G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.543G	2	5.679G	3	5.533G	4	5.457G
5	5.595G	6	5.622G	7	5.251G	8	5.325G
9	5.529G	10	5.486G	11	5.346G	12	5.580G
13	5.416G	14	5.634G	15	5.570G	16	5.536G
17	5.304G	18	5.614G	19	5.321G	20	5.361G
21	5.402G	22	5.408G	23	5.582G	24	5.376G
25	5.703G	26	5.527G	27	5.670G	28	5.512G
29	5.475G	30	5.649G	31	5.406G	32	5.692G
33	5.694G	34	5.621G	35	5.281G	36	5.412G
37	5.509G	38	5.564G	39	5.664G	40	5.656G
41	5.567G	42	5.394G	43	5.503G	44	5.393G
45	5.391G	46	5.678G	47	5.641G	48	5.351G
49	5.557G	50	5.374G	51	5.375G	52	5.317G
53	5.696G	54	5.420G	55	5.397G	56	5.560G
57	5.604G	58	5.270G	59	5.290G	60	5.469G
61	5.691G	62	5.528G	63	5.681G	64	5.491G
65	5.395G	66	5.390G	67	5.254G	68	5.398G
69	5.530G	70	5.476G	71	5.504G	72	5.722G
73	5.450G	74	5.577G	75	5.410G	76	5.719G
77	5.462G	78	5.468G	79	5.660G	80	5.626G
81	5.364G	82	5.630G	83	5.320G	84	5.586G
85	5.407G	86	5.371G	87	5.360G	88	5.423G
89	5.330G	90	5.309G	91	5.680G	92	5.655G
93	5.500G	94	5.594G	95	5.535G	96	5.647G
97	5.311G	98	5.650G	99	5.345G	100	5.544G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.678G	2	5.362G	3	5.672G	4	5.353G
5	5.601G	6	5.270G	7	5.435G	8	5.547G
9	5.489G	10	5.658G	11	5.332G	12	5.522G
13	5.529G	14	5.609G	15	5.280G	16	5.544G
17	5.288G	18	5.459G	19	5.531G	20	5.619G
21	5.502G	22	5.473G	23	5.576G	24	5.321G
25	5.549G	26	5.538G	27	5.425G	28	5.316G
29	5.685G	30	5.475G	31	5.378G	32	5.639G
33	5.268G	34	5.649G	35	5.373G	36	5.301G
37	5.371G	38	5.500G	39	5.558G	40	5.291G
41	5.501G	42	5.682G	43	5.292G	44	5.666G
45	5.442G	46	5.717G	47	5.513G	48	5.462G
49	5.447G	50	5.402G	51	5.596G	52	5.411G
53	5.482G	54	5.670G	55	5.306G	56	5.644G
57	5.281G	58	5.377G	59	5.622G	60	5.466G
61	5.510G	62	5.384G	63	5.469G	64	5.472G
65	5.668G	66	5.646G	67	5.533G	68	5.455G
69	5.467G	70	5.338G	71	5.256G	72	5.348G
73	5.287G	74	5.638G	75	5.364G	76	5.515G
77	5.273G	78	5.675G	79	5.478G	80	5.550G
81	5.320G	82	5.310G	83	5.713G	84	5.691G
85	5.304G	86	5.623G	87	5.578G	88	5.410G
89	5.709G	90	5.627G	91	5.699G	92	5.480G
93	5.436G	94	5.621G	95	5.723G	96	5.577G
97	5.346G	98	5.714G	99	5.711G	100	5.643G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.337G	2	5.536G	3	5.294G	4	5.548G
5	5.464G	6	5.284G	7	5.578G	8	5.353G
9	5.346G	10	5.418G	11	5.526G	12	5.292G
13	5.386G	14	5.604G	15	5.703G	16	5.321G
17	5.443G	18	5.350G	19	5.559G	20	5.475G
21	5.276G	22	5.362G	23	5.375G	24	5.404G
25	5.643G	26	5.523G	27	5.580G	28	5.381G
29	5.632G	30	5.504G	31	5.251G	32	5.575G
33	5.631G	34	5.446G	35	5.460G	36	5.255G
37	5.550G	38	5.447G	39	5.487G	40	5.584G
41	5.605G	42	5.511G	43	5.566G	44	5.557G
45	5.430G	46	5.480G	47	5.543G	48	5.517G
49	5.641G	50	5.589G	51	5.384G	52	5.405G
53	5.477G	54	5.374G	55	5.488G	56	5.705G
57	5.499G	58	5.266G	59	5.388G	60	5.296G
61	5.280G	62	5.570G	63	5.719G	64	5.569G
65	5.538G	66	5.433G	67	5.609G	68	5.367G
69	5.542G	70	5.541G	71	5.564G	72	5.356G
73	5.301G	74	5.437G	75	5.668G	76	5.330G
77	5.486G	78	5.685G	79	5.567G	80	5.439G
81	5.711G	82	5.656G	83	5.479G	84	5.314G
85	5.461G	86	5.693G	87	5.675G	88	5.545G
89	5.450G	90	5.686G	91	5.476G	92	5.688G
93	5.482G	94	5.639G	95	5.268G	96	5.572G
97	5.515G	98	5.377G	99	5.625G	100	5.560G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.261G	2	5.482G	3	5.690G	4	5.343G
5	5.575G	6	5.415G	7	5.421G	8	5.686G
9	5.305G	10	5.304G	11	5.584G	12	5.299G
13	5.631G	14	5.425G	15	5.503G	16	5.379G
17	5.358G	18	5.612G	19	5.406G	20	5.292G
21	5.359G	22	5.577G	23	5.302G	24	5.524G
25	5.673G	26	5.501G	27	5.674G	28	5.637G
29	5.607G	30	5.573G	31	5.443G	32	5.663G
33	5.419G	34	5.402G	35	5.550G	36	5.351G
37	5.585G	38	5.572G	39	5.326G	40	5.602G
41	5.698G	42	5.276G	43	5.613G	44	5.643G
45	5.608G	46	5.287G	47	5.591G	48	5.352G
49	5.439G	50	5.303G	51	5.367G	52	5.545G
53	5.256G	54	5.532G	55	5.393G	56	5.423G
57	5.291G	58	5.361G	59	5.515G	60	5.468G
61	5.599G	62	5.713G	63	5.693G	64	5.703G
65	5.576G	66	5.390G	67	5.382G	68	5.604G
69	5.557G	70	5.514G	71	5.582G	72	5.516G
73	5.496G	74	5.451G	75	5.580G	76	5.675G
77	5.592G	78	5.597G	79	5.685G	80	5.483G
81	5.405G	82	5.325G	83	5.687G	84	5.274G
85	5.672G	86	5.338G	87	5.619G	88	5.486G
89	5.682G	90	5.497G	91	5.458G	92	5.621G
93	5.579G	94	5.436G	95	5.679G	96	5.333G
97	5.446G	98	5.374G	99	5.449G	100	5.586G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.300G	2	5.550G	3	5.498G	4	5.323G
5	5.645G	6	5.416G	7	5.320G	8	5.468G
9	5.361G	10	5.391G	11	5.520G	12	5.681G
13	5.662G	14	5.381G	15	5.496G	16	5.409G
17	5.604G	18	5.525G	19	5.438G	20	5.718G
21	5.576G	22	5.301G	23	5.382G	24	5.298G
25	5.555G	26	5.446G	27	5.291G	28	5.302G
29	5.559G	30	5.281G	31	5.575G	32	5.630G
33	5.639G	34	5.539G	35	5.373G	36	5.399G
37	5.704G	38	5.293G	39	5.595G	40	5.428G
41	5.472G	42	5.529G	43	5.609G	44	5.406G
45	5.519G	46	5.295G	47	5.414G	48	5.309G
49	5.541G	50	5.481G	51	5.431G	52	5.528G
53	5.304G	54	5.625G	55	5.461G	56	5.689G
57	5.643G	58	5.436G	59	5.430G	60	5.367G
61	5.615G	62	5.279G	63	5.568G	64	5.523G
65	5.579G	66	5.380G	67	5.315G	68	5.660G
69	5.443G	70	5.256G	71	5.614G	72	5.561G
73	5.580G	74	5.687G	75	5.551G	76	5.648G
77	5.667G	78	5.494G	79	5.274G	80	5.410G
81	5.368G	82	5.262G	83	5.640G	84	5.463G
85	5.400G	86	5.379G	87	5.652G	88	5.693G
89	5.533G	90	5.321G	91	5.593G	92	5.654G
93	5.554G	94	5.605G	95	5.290G	96	5.288G
97	5.632G	98	5.700G	99	5.678G	100	5.672G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.325G	2	5.717G	3	5.303G	4	5.496G
5	5.294G	6	5.598G	7	5.555G	8	5.680G
9	5.526G	10	5.673G	11	5.660G	12	5.257G
13	5.561G	14	5.413G	15	5.642G	16	5.378G
17	5.323G	18	5.636G	19	5.548G	20	5.432G
21	5.604G	22	5.541G	23	5.655G	24	5.667G
25	5.676G	26	5.374G	27	5.535G	28	5.718G
29	5.437G	30	5.339G	31	5.328G	32	5.278G
33	5.377G	34	5.641G	35	5.481G	36	5.552G
37	5.379G	38	5.537G	39	5.568G	40	5.395G
41	5.494G	42	5.699G	43	5.698G	44	5.475G
45	5.601G	46	5.327G	47	5.385G	48	5.436G
49	5.544G	50	5.502G	51	5.405G	52	5.487G
53	5.647G	54	5.681G	55	5.518G	56	5.638G
57	5.296G	58	5.420G	59	5.652G	60	5.525G
61	5.651G	62	5.509G	63	5.657G	64	5.254G
65	5.295G	66	5.268G	67	5.340G	68	5.692G
69	5.331G	70	5.580G	71	5.626G	72	5.311G
73	5.462G	74	5.715G	75	5.670G	76	5.590G
77	5.592G	78	5.559G	79	5.534G	80	5.520G
81	5.611G	82	5.683G	83	5.290G	84	5.661G
85	5.352G	86	5.471G	87	5.550G	88	5.265G
89	5.570G	90	5.664G	91	5.346G	92	5.466G
93	5.625G	94	5.646G	95	5.306G	96	5.588G
97	5.479G	98	5.358G	99	5.623G	100	5.677G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.573G	2	5.516G	3	5.405G	4	5.645G
5	5.320G	6	5.474G	7	5.347G	8	5.683G
9	5.637G	10	5.710G	11	5.539G	12	5.678G
13	5.486G	14	5.713G	15	5.522G	16	5.559G
17	5.349G	18	5.619G	19	5.339G	20	5.629G
21	5.661G	22	5.314G	23	5.524G	24	5.465G
25	5.542G	26	5.304G	27	5.262G	28	5.494G
29	5.467G	30	5.631G	31	5.681G	32	5.260G
33	5.592G	34	5.268G	35	5.438G	36	5.403G
37	5.505G	38	5.533G	39	5.536G	40	5.557G
41	5.271G	42	5.682G	43	5.583G	44	5.433G
45	5.549G	46	5.293G	47	5.527G	48	5.500G
49	5.585G	50	5.471G	51	5.655G	52	5.695G
53	5.707G	54	5.376G	55	5.279G	56	5.697G
57	5.693G	58	5.412G	59	5.342G	60	5.326G
61	5.699G	62	5.540G	63	5.422G	64	5.296G
65	5.388G	66	5.370G	67	5.334G	68	5.626G
69	5.601G	70	5.383G	71	5.488G	72	5.680G
73	5.426G	74	5.267G	75	5.643G	76	5.278G
77	5.714G	78	5.458G	79	5.431G	80	5.396G
81	5.372G	82	5.421G	83	5.273G	84	5.546G
85	5.620G	86	5.419G	87	5.470G	88	5.274G
89	5.300G	90	5.290G	91	5.653G	92	5.703G
93	5.395G	94	5.346G	95	5.595G	96	5.716G
97	5.297G	98	5.692G	99	5.453G	100	5.495G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.674G	2	5.326G	3	5.288G	4	5.320G
5	5.711G	6	5.662G	7	5.682G	8	5.460G
9	5.661G	10	5.566G	11	5.337G	12	5.636G
13	5.255G	14	5.389G	15	5.268G	16	5.257G
17	5.511G	18	5.410G	19	5.609G	20	5.506G
21	5.601G	22	5.697G	23	5.308G	24	5.577G
25	5.512G	26	5.310G	27	5.381G	28	5.419G
29	5.634G	30	5.581G	31	5.509G	32	5.282G
33	5.673G	34	5.514G	35	5.402G	36	5.572G
37	5.653G	38	5.300G	39	5.440G	40	5.307G
41	5.558G	42	5.420G	43	5.664G	44	5.472G
45	5.452G	46	5.533G	47	5.426G	48	5.586G
49	5.431G	50	5.309G	51	5.594G	52	5.582G
53	5.705G	54	5.394G	55	5.638G	56	5.713G
57	5.302G	58	5.372G	59	5.357G	60	5.321G
61	5.432G	62	5.287G	63	5.588G	64	5.424G
65	5.462G	66	5.600G	67	5.709G	68	5.429G
69	5.270G	70	5.465G	71	5.644G	72	5.439G
73	5.355G	74	5.344G	75	5.637G	76	5.269G
77	5.388G	78	5.496G	79	5.441G	80	5.680G
81	5.418G	82	5.650G	83	5.612G	84	5.478G
85	5.578G	86	5.499G	87	5.591G	88	5.502G
89	5.624G	90	5.414G	91	5.523G	92	5.391G
93	5.550G	94	5.716G	95	5.366G	96	5.280G
97	5.503G	98	5.421G	99	5.373G	100	5.392G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.683G	2	5.307G	3	5.640G	4	5.634G
5	5.620G	6	5.637G	7	5.613G	8	5.349G
9	5.272G	10	5.410G	11	5.713G	12	5.263G
13	5.569G	14	5.431G	15	5.328G	16	5.444G
17	5.466G	18	5.286G	19	5.554G	20	5.500G
21	5.345G	22	5.427G	23	5.290G	24	5.703G
25	5.430G	26	5.646G	27	5.697G	28	5.414G
29	5.567G	30	5.700G	31	5.575G	32	5.409G
33	5.260G	34	5.353G	35	5.344G	36	5.666G
37	5.502G	38	5.342G	39	5.656G	40	5.658G
41	5.619G	42	5.654G	43	5.355G	44	5.291G
45	5.301G	46	5.306G	47	5.590G	48	5.594G
49	5.402G	50	5.488G	51	5.621G	52	5.603G
53	5.266G	54	5.566G	55	5.636G	56	5.573G
57	5.595G	58	5.455G	59	5.445G	60	5.605G
61	5.368G	62	5.309G	63	5.369G	64	5.583G
65	5.254G	66	5.585G	67	5.718G	68	5.293G
69	5.520G	70	5.452G	71	5.600G	72	5.506G
73	5.463G	74	5.408G	75	5.365G	76	5.379G
77	5.626G	78	5.459G	79	5.630G	80	5.536G
81	5.449G	82	5.680G	83	5.357G	84	5.660G
85	5.396G	86	5.298G	87	5.531G	88	5.516G
89	5.437G	90	5.572G	91	5.657G	92	5.473G
93	5.598G	94	5.561G	95	5.604G	96	5.320G
97	5.294G	98	5.333G	99	5.670G	100	5.557G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.259G	2	5.585G	3	5.509G	4	5.397G
5	5.594G	6	5.486G	7	5.285G	8	5.679G
9	5.605G	10	5.369G	11	5.633G	12	5.512G
13	5.400G	14	5.542G	15	5.609G	16	5.318G
17	5.403G	18	5.538G	19	5.354G	20	5.439G
21	5.606G	22	5.528G	23	5.545G	24	5.513G
25	5.645G	26	5.384G	27	5.482G	28	5.577G
29	5.620G	30	5.678G	31	5.503G	32	5.279G
33	5.649G	34	5.721G	35	5.710G	36	5.266G
37	5.291G	38	5.332G	39	5.308G	40	5.382G
41	5.562G	42	5.304G	43	5.438G	44	5.319G
45	5.663G	46	5.669G	47	5.421G	48	5.270G
49	5.321G	50	5.531G	51	5.362G	52	5.399G
53	5.711G	54	5.490G	55	5.344G	56	5.589G
57	5.377G	58	5.374G	59	5.635G	60	5.343G
61	5.672G	62	5.648G	63	5.280G	64	5.553G
65	5.322G	66	5.642G	67	5.615G	68	5.626G
69	5.627G	70	5.407G	71	5.534G	72	5.688G
73	5.404G	74	5.556G	75	5.722G	76	5.353G
77	5.328G	78	5.600G	79	5.611G	80	5.485G
81	5.655G	82	5.715G	83	5.537G	84	5.361G
85	5.689G	86	5.622G	87	5.360G	88	5.436G
89	5.410G	90	5.614G	91	5.394G	92	5.723G
93	5.460G	94	5.488G	95	5.313G	96	5.379G
97	5.483G	98	5.451G	99	5.550G	100	5.349G

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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.475G	2	5.339G	3	5.358G	4	5.480G
5	5.623G	6	5.682G	7	5.446G	8	5.471G
9	5.568G	10	5.354G	11	5.250G	12	5.271G
13	5.720G	14	5.636G	15	5.669G	16	5.561G
17	5.383G	18	5.484G	19	5.675G	20	5.419G
21	5.453G	22	5.405G	23	5.275G	24	5.377G
25	5.331G	26	5.340G	27	5.296G	28	5.334G
29	5.629G	30	5.573G	31	5.672G	32	5.444G
33	5.261G	34	5.291G	35	5.724G	36	5.540G
37	5.490G	38	5.404G	39	5.559G	40	5.259G
41	5.256G	42	5.703G	43	5.341G	44	5.461G
45	5.433G	46	5.564G	47	5.710G	48	5.268G
49	5.464G	50	5.689G	51	5.418G	52	5.281G
53	5.267G	54	5.462G	55	5.526G	56	5.396G
57	5.254G	58	5.690G	59	5.423G	60	5.425G
61	5.468G	62	5.325G	63	5.627G	64	5.719G
65	5.661G	66	5.328G	67	5.633G	68	5.315G
69	5.663G	70	5.592G	71	5.394G	72	5.386G
73	5.368G	74	5.500G	75	5.635G	76	5.571G
77	5.473G	78	5.409G	79	5.692G	80	5.620G
81	5.714G	82	5.713G	83	5.482G	84	5.715G
85	5.374G	86	5.266G	87	5.660G	88	5.605G
89	5.457G	90	5.510G	91	5.662G	92	5.709G
93	5.485G	94	5.253G	95	5.264G	96	5.385G
97	5.316G	98	5.574G	99	5.515G	100	5.343G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.326G	2	5.294G	3	5.480G	4	5.537G
5	5.556G	6	5.619G	7	5.471G	8	5.613G
9	5.456G	10	5.592G	11	5.464G	12	5.470G
13	5.428G	14	5.702G	15	5.436G	16	5.320G
17	5.416G	18	5.558G	19	5.546G	20	5.607G
21	5.522G	22	5.683G	23	5.585G	24	5.392G
25	5.540G	26	5.351G	27	5.595G	28	5.650G
29	5.374G	30	5.567G	31	5.465G	32	5.257G
33	5.646G	34	5.339G	35	5.430G	36	5.663G
37	5.439G	38	5.299G	39	5.677G	40	5.366G
41	5.671G	42	5.582G	43	5.397G	44	5.472G
45	5.280G	46	5.530G	47	5.306G	48	5.547G
49	5.560G	50	5.669G	51	5.441G	52	5.387G
53	5.718G	54	5.563G	55	5.389G	56	5.551G
57	5.445G	58	5.282G	59	5.568G	60	5.719G
61	5.667G	62	5.312G	63	5.302G	64	5.292G
65	5.525G	66	5.446G	67	5.512G	68	5.386G
69	5.652G	70	5.384G	71	5.596G	72	5.363G
73	5.434G	74	5.632G	75	5.283G	76	5.359G
77	5.322G	78	5.466G	79	5.703G	80	5.463G
81	5.520G	82	5.502G	83	5.321G	84	5.658G
85	5.664G	86	5.412G	87	5.518G	88	5.570G
89	5.536G	90	5.503G	91	5.411G	92	5.348G
93	5.399G	94	5.477G	95	5.285G	96	5.690G
97	5.263G	98	5.443G	99	5.423G	100	5.504G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.271G	2	5.363G	3	5.496G	4	5.658G
5	5.618G	6	5.549G	7	5.534G	8	5.444G
9	5.509G	10	5.438G	11	5.700G	12	5.307G
13	5.712G	14	5.689G	15	5.701G	16	5.319G
17	5.720G	18	5.622G	19	5.396G	20	5.430G
21	5.442G	22	5.695G	23	5.532G	24	5.624G
25	5.348G	26	5.709G	27	5.595G	28	5.659G
29	5.635G	30	5.615G	31	5.664G	32	5.447G
33	5.468G	34	5.377G	35	5.401G	36	5.504G
37	5.253G	38	5.619G	39	5.526G	40	5.636G
41	5.489G	42	5.587G	43	5.538G	44	5.631G
45	5.536G	46	5.264G	47	5.696G	48	5.341G
49	5.541G	50	5.483G	51	5.568G	52	5.393G
53	5.323G	54	5.645G	55	5.614G	56	5.582G
57	5.621G	58	5.451G	59	5.381G	60	5.562G
61	5.512G	62	5.275G	63	5.427G	64	5.482G
65	5.623G	66	5.585G	67	5.551G	68	5.294G
69	5.655G	70	5.497G	71	5.633G	72	5.306G
73	5.409G	74	5.714G	75	5.411G	76	5.550G
77	5.358G	78	5.283G	79	5.335G	80	5.554G
81	5.667G	82	5.580G	83	5.566G	84	5.567G
85	5.270G	86	5.404G	87	5.279G	88	5.464G
89	5.412G	90	5.303G	91	5.280G	92	5.325G
93	5.638G	94	5.433G	95	5.289G	96	5.641G
97	5.560G	98	5.459G	99	5.652G	100	5.292G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.325G	2	5.466G	3	5.350G	4	5.490G
5	5.342G	6	5.693G	7	5.697G	8	5.402G
9	5.656G	10	5.375G	11	5.328G	12	5.418G
13	5.635G	14	5.676G	15	5.390G	16	5.298G
17	5.417G	18	5.266G	19	5.293G	20	5.421G
21	5.558G	22	5.603G	23	5.271G	24	5.703G
25	5.643G	26	5.280G	27	5.501G	28	5.282G
29	5.544G	30	5.283G	31	5.663G	32	5.362G
33	5.367G	34	5.599G	35	5.335G	36	5.572G
37	5.602G	38	5.353G	39	5.471G	40	5.566G
41	5.511G	42	5.620G	43	5.327G	44	5.618G
45	5.303G	46	5.392G	47	5.465G	48	5.481G
49	5.360G	50	5.388G	51	5.523G	52	5.454G
53	5.684G	54	5.442G	55	5.400G	56	5.667G
57	5.381G	58	5.394G	59	5.531G	60	5.470G
61	5.482G	62	5.438G	63	5.534G	64	5.339G
65	5.478G	66	5.485G	67	5.548G	68	5.698G
69	5.463G	70	5.560G	71	5.630G	72	5.582G
73	5.420G	74	5.652G	75	5.289G	76	5.645G
77	5.441G	78	5.695G	79	5.655G	80	5.357G
81	5.495G	82	5.347G	83	5.653G	84	5.563G
85	5.260G	86	5.317G	87	5.704G	88	5.641G
89	5.612G	90	5.606G	91	5.678G	92	5.311G
93	5.518G	94	5.677G	95	5.474G	96	5.270G
97	5.269G	98	5.315G	99	5.412G	100	5.584G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.703G	2	5.500G	3	5.722G	4	5.724G
5	5.332G	6	5.532G	7	5.402G	8	5.451G
9	5.674G	10	5.510G	11	5.489G	12	5.437G
13	5.372G	14	5.498G	15	5.354G	16	5.625G
17	5.261G	18	5.468G	19	5.297G	20	5.634G
21	5.403G	22	5.472G	23	5.652G	24	5.410G
25	5.565G	26	5.251G	27	5.541G	28	5.399G
29	5.389G	30	5.559G	31	5.682G	32	5.522G
33	5.717G	34	5.461G	35	5.704G	36	5.295G
37	5.370G	38	5.359G	39	5.357G	40	5.631G
41	5.446G	42	5.287G	43	5.566G	44	5.271G
45	5.329G	46	5.607G	47	5.331G	48	5.464G
49	5.405G	50	5.670G	51	5.460G	52	5.380G
53	5.491G	54	5.576G	55	5.373G	56	5.406G
57	5.310G	58	5.567G	59	5.360G	60	5.623G
61	5.580G	62	5.637G	63	5.314G	64	5.688G
65	5.284G	66	5.560G	67	5.454G	68	5.505G
69	5.617G	70	5.348G	71	5.353G	72	5.264G
73	5.512G	74	5.462G	75	5.715G	76	5.337G
77	5.443G	78	5.543G	79	5.477G	80	5.269G
81	5.308G	82	5.450G	83	5.391G	84	5.361G
85	5.581G	86	5.363G	87	5.259G	88	5.604G
89	5.520G	90	5.642G	91	5.588G	92	5.673G
93	5.356G	94	5.313G	95	5.629G	96	5.612G
97	5.661G	98	5.649G	99	5.267G	100	5.381G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.415G	2	5.483G	3	5.563G	4	5.721G
5	5.586G	6	5.410G	7	5.673G	8	5.688G
9	5.275G	10	5.347G	11	5.542G	12	5.707G
13	5.370G	14	5.557G	15	5.291G	16	5.252G
17	5.568G	18	5.687G	19	5.358G	20	5.421G
21	5.360G	22	5.280G	23	5.497G	24	5.422G
25	5.541G	26	5.321G	27	5.674G	28	5.461G
29	5.320G	30	5.435G	31	5.353G	32	5.369G
33	5.693G	34	5.317G	35	5.333G	36	5.392G
37	5.606G	38	5.352G	39	5.340G	40	5.292G
41	5.343G	42	5.368G	43	5.678G	44	5.628G
45	5.524G	46	5.520G	47	5.378G	48	5.397G
49	5.690G	50	5.652G	51	5.632G	52	5.405G
53	5.591G	54	5.416G	55	5.490G	56	5.706G
57	5.585G	58	5.265G	59	5.391G	60	5.351G
61	5.500G	62	5.695G	63	5.522G	64	5.484G
65	5.364G	66	5.670G	67	5.427G	68	5.367G
69	5.328G	70	5.689G	71	5.718G	72	5.570G
73	5.299G	74	5.565G	75	5.677G	76	5.533G
77	5.481G	78	5.312G	79	5.547G	80	5.629G
81	5.348G	82	5.612G	83	5.611G	84	5.601G
85	5.285G	86	5.425G	87	5.505G	88	5.401G
89	5.656G	90	5.676G	91	5.700G	92	5.396G
93	5.412G	94	5.473G	95	5.636G	96	5.386G
97	5.267G	98	5.298G	99	5.371G	100	5.598G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.420G	2	5.488G	3	5.663G	4	5.404G
5	5.700G	6	5.682G	7	5.250G	8	5.603G
9	5.455G	10	5.461G	11	5.481G	12	5.702G
13	5.362G	14	5.405G	15	5.513G	16	5.498G
17	5.360G	18	5.255G	19	5.590G	20	5.295G
21	5.722G	22	5.613G	23	5.415G	24	5.388G
25	5.392G	26	5.351G	27	5.284G	28	5.543G
29	5.501G	30	5.364G	31	5.551G	32	5.547G
33	5.365G	34	5.688G	35	5.332G	36	5.256G
37	5.469G	38	5.628G	39	5.591G	40	5.553G
41	5.723G	42	5.581G	43	5.288G	44	5.506G
45	5.471G	46	5.704G	47	5.254G	48	5.279G
49	5.393G	50	5.549G	51	5.578G	52	5.320G
53	5.464G	54	5.355G	55	5.651G	56	5.345G
57	5.579G	58	5.634G	59	5.672G	60	5.624G
61	5.313G	62	5.476G	63	5.371G	64	5.399G
65	5.251G	66	5.716G	67	5.299G	68	5.322G
69	5.569G	70	5.395G	71	5.286G	72	5.719G
73	5.681G	74	5.446G	75	5.693G	76	5.337G
77	5.637G	78	5.718G	79	5.668G	80	5.431G
81	5.706G	82	5.655G	83	5.353G	84	5.336G
85	5.440G	86	5.363G	87	5.690G	88	5.265G
89	5.676G	90	5.644G	91	5.413G	92	5.424G
93	5.507G	94	5.409G	95	5.574G	96	5.695G
97	5.478G	98	5.627G	99	5.382G	100	5.390G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.566G	2	5.638G	3	5.382G	4	5.617G
5	5.427G	6	5.467G	7	5.459G	8	5.452G
9	5.539G	10	5.312G	11	5.260G	12	5.503G
13	5.451G	14	5.543G	15	5.551G	16	5.679G
17	5.607G	18	5.422G	19	5.471G	20	5.652G
21	5.326G	22	5.479G	23	5.359G	24	5.352G
25	5.693G	26	5.494G	27	5.673G	28	5.669G
29	5.466G	30	5.423G	31	5.281G	32	5.463G
33	5.433G	34	5.460G	35	5.483G	36	5.577G
37	5.538G	38	5.643G	39	5.399G	40	5.302G
41	5.478G	42	5.629G	43	5.362G	44	5.341G
45	5.628G	46	5.554G	47	5.317G	48	5.624G
49	5.713G	50	5.364G	51	5.661G	52	5.340G
53	5.389G	54	5.469G	55	5.305G	56	5.522G
57	5.417G	58	5.597G	59	5.386G	60	5.468G
61	5.706G	62	5.559G	63	5.255G	64	5.320G
65	5.277G	66	5.579G	67	5.273G	68	5.257G
69	5.310G	70	5.262G	71	5.677G	72	5.644G
73	5.688G	74	5.533G	75	5.641G	76	5.683G
77	5.457G	78	5.477G	79	5.612G	80	5.659G
81	5.576G	82	5.721G	83	5.414G	84	5.564G
85	5.502G	86	5.337G	87	5.334G	88	5.441G
89	5.575G	90	5.316G	91	5.393G	92	5.398G
93	5.456G	94	5.429G	95	5.431G	96	5.292G
97	5.465G	98	5.418G	99	5.356G	100	5.616G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.711G	2	5.420G	3	5.628G	4	5.257G
5	5.531G	6	5.292G	7	5.382G	8	5.273G
9	5.359G	10	5.607G	11	5.372G	12	5.682G
13	5.436G	14	5.416G	15	5.688G	16	5.665G
17	5.521G	18	5.399G	19	5.295G	20	5.580G
21	5.302G	22	5.431G	23	5.381G	24	5.668G
25	5.430G	26	5.584G	27	5.617G	28	5.326G
29	5.432G	30	5.486G	31	5.362G	32	5.554G
33	5.602G	34	5.466G	35	5.705G	36	5.440G
37	5.623G	38	5.271G	39	5.693G	40	5.551G
41	5.333G	42	5.518G	43	5.706G	44	5.487G
45	5.444G	46	5.695G	47	5.498G	48	5.272G
49	5.632G	50	5.357G	51	5.596G	52	5.408G
53	5.645G	54	5.286G	55	5.260G	56	5.250G
57	5.647G	58	5.644G	59	5.511G	60	5.291G
61	5.674G	62	5.657G	63	5.447G	64	5.482G
65	5.429G	66	5.254G	67	5.500G	68	5.265G
69	5.699G	70	5.575G	71	5.414G	72	5.305G
73	5.341G	74	5.585G	75	5.287G	76	5.338G
77	5.275G	78	5.347G	79	5.717G	80	5.403G
81	5.485G	82	5.599G	83	5.335G	84	5.517G
85	5.651G	86	5.390G	87	5.462G	88	5.650G
89	5.483G	90	5.378G	91	5.321G	92	5.707G
93	5.523G	94	5.310G	95	5.700G	96	5.597G
97	5.621G	98	5.344G	99	5.560G	100	5.639G



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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	5.627G	2	5.434G	3	5.304G	4	5.468G
5	5.282G	6	5.271G	7	5.571G	8	5.370G
9	5.511G	10	5.475G	11	5.346G	12	5.298G
13	5.292G	14	5.253G	15	5.620G	16	5.503G
17	5.359G	18	5.593G	19	5.301G	20	5.656G
21	5.394G	22	5.460G	23	5.392G	24	5.720G
25	5.482G	26	5.270G	27	5.553G	28	5.722G
29	5.640G	30	5.266G	31	5.330G	32	5.531G
33	5.705G	34	5.540G	35	5.550G	36	5.699G
37	5.414G	38	5.584G	39	5.679G	40	5.436G
41	5.272G	42	5.644G	43	5.294G	44	5.488G
45	5.634G	46	5.375G	47	5.502G	48	5.458G
49	5.665G	50	5.594G	51	5.684G	52	5.650G
53	5.367G	54	5.437G	55	5.341G	56	5.526G
57	5.275G	58	5.591G	59	5.329G	60	5.689G
61	5.649G	62	5.698G	63	5.721G	64	5.687G
65	5.555G	66	5.615G	67	5.562G	68	5.489G
69	5.682G	70	5.663G	71	5.469G	72	5.262G
73	5.498G	74	5.371G	75	5.297G	76	5.265G
77	5.601G	78	5.283G	79	5.585G	80	5.651G
81	5.554G	82	5.254G	83	5.675G	84	5.444G
85	5.552G	86	5.408G	87	5.612G	88	5.658G
89	5.349G	90	5.347G	91	5.559G	92	5.695G
93	5.577G	94	5.517G	95	5.446G	96	5.429G
97	5.500G	98	5.666G	99	5.325G	100	5.506G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.514G	2	5.565G	3	5.420G	4	5.264G
5	5.717G	6	5.678G	7	5.599G	8	5.568G
9	5.685G	10	5.705G	11	5.588G	12	5.704G
13	5.442G	14	5.525G	15	5.695G	16	5.589G
17	5.353G	18	5.491G	19	5.724G	20	5.457G
21	5.454G	22	5.719G	23	5.320G	24	5.560G
25	5.357G	26	5.647G	27	5.315G	28	5.316G
29	5.590G	30	5.714G	31	5.477G	32	5.595G
33	5.650G	34	5.723G	35	5.281G	36	5.533G
37	5.495G	38	5.289G	39	5.476G	40	5.670G
41	5.661G	42	5.505G	43	5.349G	44	5.326G
45	5.511G	46	5.540G	47	5.449G	48	5.284G
49	5.465G	50	5.302G	51	5.466G	52	5.318G
53	5.369G	54	5.606G	55	5.436G	56	5.356G
57	5.585G	58	5.480G	59	5.697G	60	5.331G
61	5.372G	62	5.295G	63	5.430G	64	5.429G
65	5.597G	66	5.346G	67	5.277G	68	5.503G
69	5.340G	70	5.275G	71	5.621G	72	5.403G
73	5.570G	74	5.328G	75	5.431G	76	5.400G
77	5.464G	78	5.660G	79	5.426G	80	5.569G
81	5.644G	82	5.337G	83	5.500G	84	5.556G
85	5.299G	86	5.561G	87	5.257G	88	5.440G
89	5.649G	90	5.627G	91	5.487G	92	5.526G
93	5.309G	94	5.390G	95	5.333G	96	5.398G
97	5.531G	98	5.397G	99	5.609G	100	5.679G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.485G	2	5.480G	3	5.308G	4	5.390G
5	5.484G	6	5.710G	7	5.644G	8	5.543G
9	5.292G	10	5.331G	11	5.540G	12	5.381G
13	5.582G	14	5.408G	15	5.486G	16	5.291G
17	5.320G	18	5.259G	19	5.281G	20	5.535G
21	5.714G	22	5.523G	23	5.514G	24	5.300G
25	5.593G	26	5.284G	27	5.266G	28	5.338G
29	5.489G	30	5.610G	31	5.568G	32	5.456G
33	5.673G	34	5.410G	35	5.721G	36	5.709G
37	5.305G	38	5.716G	39	5.681G	40	5.260G
41	5.328G	42	5.425G	43	5.678G	44	5.656G
45	5.524G	46	5.388G	47	5.694G	48	5.395G
49	5.346G	50	5.529G	51	5.315G	52	5.482G
53	5.554G	54	5.453G	55	5.378G	56	5.458G
57	5.703G	58	5.371G	59	5.488G	60	5.649G
61	5.406G	62	5.510G	63	5.548G	64	5.314G
65	5.623G	66	5.335G	67	5.584G	68	5.443G
69	5.664G	70	5.429G	71	5.313G	72	5.520G
73	5.538G	74	5.504G	75	5.500G	76	5.682G
77	5.624G	78	5.633G	79	5.580G	80	5.560G
81	5.330G	82	5.444G	83	5.626G	84	5.307G
85	5.654G	86	5.267G	87	5.412G	88	5.651G
89	5.459G	90	5.690G	91	5.455G	92	5.257G
93	5.571G	94	5.441G	95	5.602G	96	5.474G
97	5.329G	98	5.318G	99	5.447G	100	5.404G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.580G	2	5.540G	3	5.602G	4	5.572G
5	5.636G	6	5.596G	7	5.368G	8	5.608G
9	5.307G	10	5.494G	11	5.552G	12	5.544G
13	5.413G	14	5.642G	15	5.318G	16	5.522G
17	5.312G	18	5.416G	19	5.695G	20	5.651G
21	5.477G	22	5.594G	23	5.630G	24	5.643G
25	5.514G	26	5.265G	27	5.536G	28	5.491G
29	5.718G	30	5.479G	31	5.449G	32	5.411G
33	5.495G	34	5.433G	35	5.681G	36	5.541G
37	5.289G	38	5.364G	39	5.275G	40	5.308G
41	5.304G	42	5.570G	43	5.417G	44	5.635G
45	5.545G	46	5.513G	47	5.335G	48	5.721G
49	5.297G	50	5.476G	51	5.317G	52	5.724G
53	5.360G	54	5.393G	55	5.254G	56	5.571G
57	5.490G	58	5.675G	59	5.305G	60	5.566G
61	5.653G	62	5.434G	63	5.370G	64	5.480G
65	5.569G	66	5.709G	67	5.377G	68	5.455G
69	5.723G	70	5.550G	71	5.435G	72	5.330G
73	5.296G	74	5.627G	75	5.284G	76	5.353G
77	5.670G	78	5.686G	79	5.652G	80	5.517G
81	5.555G	82	5.485G	83	5.700G	84	5.273G
85	5.291G	86	5.332G	87	5.685G	88	5.371G
89	5.689G	90	5.292G	91	5.613G	92	5.530G
93	5.427G	94	5.578G	95	5.403G	96	5.457G
97	5.369G	98	5.644G	99	5.469G	100	5.556G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.606G	2	5.521G	3	5.343G	4	5.559G
5	5.638G	6	5.412G	7	5.705G	8	5.504G
9	5.611G	10	5.614G	11	5.362G	12	5.491G
13	5.431G	14	5.679G	15	5.474G	16	5.576G
17	5.555G	18	5.296G	19	5.465G	20	5.607G
21	5.597G	22	5.613G	23	5.591G	24	5.419G
25	5.294G	26	5.336G	27	5.316G	28	5.434G
29	5.323G	30	5.654G	31	5.695G	32	5.449G
33	5.512G	34	5.685G	35	5.628G	36	5.545G
37	5.288G	38	5.553G	39	5.271G	40	5.365G
41	5.589G	42	5.715G	43	5.609G	44	5.258G
45	5.690G	46	5.269G	47	5.713G	48	5.461G
49	5.334G	50	5.264G	51	5.617G	52	5.444G
53	5.395G	54	5.391G	55	5.425G	56	5.405G
57	5.270G	58	5.686G	59	5.689G	60	5.348G
61	5.471G	62	5.287G	63	5.312G	64	5.719G
65	5.582G	66	5.413G	67	5.596G	68	5.642G
69	5.531G	70	5.385G	71	5.567G	72	5.475G
73	5.447G	74	5.308G	75	5.476G	76	5.402G
77	5.483G	78	5.550G	79	5.267G	80	5.342G
81	5.605G	82	5.639G	83	5.416G	84	5.290G
85	5.525G	86	5.353G	87	5.675G	88	5.649G
89	5.563G	90	5.676G	91	5.547G	92	5.711G
93	5.593G	94	5.262G	95	5.473G	96	5.513G
97	5.502G	98	5.305G	99	5.634G	100	5.328G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.260G	2	5.546G	3	5.471G	4	5.581G
5	5.623G	6	5.688G	7	5.714G	8	5.543G
9	5.269G	10	5.595G	11	5.538G	12	5.697G
13	5.616G	14	5.259G	15	5.359G	16	5.334G
17	5.630G	18	5.438G	19	5.517G	20	5.434G
21	5.301G	22	5.297G	23	5.388G	24	5.716G
25	5.573G	26	5.391G	27	5.371G	28	5.515G
29	5.336G	30	5.663G	31	5.316G	32	5.631G
33	5.572G	34	5.257G	35	5.720G	36	5.533G
37	5.404G	38	5.591G	39	5.513G	40	5.712G
41	5.428G	42	5.701G	43	5.640G	44	5.496G
45	5.442G	46	5.396G	47	5.708G	48	5.450G
49	5.256G	50	5.427G	51	5.550G	52	5.300G
53	5.399G	54	5.647G	55	5.366G	56	5.407G
57	5.692G	58	5.639G	59	5.312G	60	5.654G
61	5.502G	62	5.512G	63	5.418G	64	5.413G
65	5.479G	66	5.689G	67	5.602G	68	5.315G
69	5.609G	70	5.700G	71	5.439G	72	5.611G
73	5.261G	74	5.633G	75	5.718G	76	5.713G
77	5.545G	78	5.516G	79	5.382G	80	5.503G
81	5.400G	82	5.410G	83	5.588G	84	5.494G
85	5.620G	86	5.381G	87	5.574G	88	5.322G
89	5.519G	90	5.540G	91	5.570G	92	5.673G
93	5.279G	94	5.659G	95	5.681G	96	5.694G
97	5.612G	98	5.397G	99	5.710G	100	5.715G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.361G	2	5.550G	3	5.474G	4	5.336G
5	5.541G	6	5.307G	7	5.318G	8	5.712G
9	5.403G	10	5.426G	11	5.281G	12	5.716G
13	5.705G	14	5.394G	15	5.357G	16	5.679G
17	5.495G	18	5.561G	19	5.584G	20	5.615G
21	5.341G	22	5.549G	23	5.469G	24	5.514G
25	5.526G	26	5.381G	27	5.397G	28	5.393G
29	5.711G	30	5.267G	31	5.326G	32	5.395G
33	5.280G	34	5.313G	35	5.553G	36	5.315G
37	5.261G	38	5.586G	39	5.351G	40	5.678G
41	5.290G	42	5.419G	43	5.438G	44	5.677G
45	5.314G	46	5.724G	47	5.435G	48	5.450G
49	5.305G	50	5.571G	51	5.687G	52	5.443G
53	5.272G	54	5.683G	55	5.468G	56	5.613G
57	5.379G	58	5.363G	59	5.410G	60	5.669G
61	5.688G	62	5.612G	63	5.564G	64	5.505G
65	5.509G	66	5.444G	67	5.596G	68	5.286G
69	5.264G	70	5.652G	71	5.392G	72	5.358G
73	5.535G	74	5.355G	75	5.399G	76	5.479G
77	5.278G	78	5.464G	79	5.344G	80	5.595G
81	5.340G	82	5.486G	83	5.412G	84	5.401G
85	5.579G	86	5.568G	87	5.544G	88	5.570G
89	5.668G	90	5.253G	91	5.518G	92	5.634G
93	5.371G	94	5.650G	95	5.521G	96	5.583G
97	5.451G	98	5.537G	99	5.666G	100	5.268G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.405G	2	5.450G	3	5.434G	4	5.522G
5	5.561G	6	5.454G	7	5.322G	8	5.401G
9	5.681G	10	5.508G	11	5.274G	12	5.418G
13	5.309G	14	5.652G	15	5.666G	16	5.498G
17	5.711G	18	5.420G	19	5.540G	20	5.575G
21	5.536G	22	5.316G	23	5.421G	24	5.596G
25	5.657G	26	5.691G	27	5.437G	28	5.629G
29	5.621G	30	5.648G	31	5.334G	32	5.307G
33	5.478G	34	5.565G	35	5.590G	36	5.667G
37	5.604G	38	5.331G	39	5.680G	40	5.327G
41	5.570G	42	5.312G	43	5.336G	44	5.704G
45	5.445G	46	5.545G	47	5.290G	48	5.384G
49	5.651G	50	5.392G	51	5.595G	52	5.354G
53	5.608G	54	5.675G	55	5.303G	56	5.425G
57	5.636G	58	5.363G	59	5.682G	60	5.264G
61	5.562G	62	5.705G	63	5.533G	64	5.475G
65	5.722G	66	5.694G	67	5.723G	68	5.626G
69	5.413G	70	5.266G	71	5.674G	72	5.342G
73	5.653G	74	5.668G	75	5.618G	76	5.558G
77	5.310G	78	5.325G	79	5.358G	80	5.605G
81	5.332G	82	5.318G	83	5.267G	84	5.295G
85	5.661G	86	5.485G	87	5.357G	88	5.556G
89	5.581G	90	5.535G	91	5.521G	92	5.292G
93	5.489G	94	5.317G	95	5.703G	96	5.693G
97	5.349G	98	5.250G	99	5.665G	100	5.717G



Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.524G	2	5.516G	3	5.508G	4	5.626G
5	5.614G	6	5.518G	7	5.402G	8	5.613G
9	5.644G	10	5.560G	11	5.269G	12	5.396G
13	5.551G	14	5.645G	15	5.723G	16	5.678G
17	5.650G	18	5.573G	19	5.314G	20	5.533G
21	5.258G	22	5.382G	23	5.538G	24	5.681G
25	5.570G	26	5.587G	27	5.307G	28	5.557G
29	5.639G	30	5.539G	31	5.388G	32	5.545G
33	5.651G	34	5.674G	35	5.255G	36	5.393G
37	5.412G	38	5.510G	39	5.474G	40	5.471G
41	5.274G	42	5.668G	43	5.520G	44	5.535G
45	5.253G	46	5.407G	47	5.540G	48	5.415G
49	5.631G	50	5.271G	51	5.320G	52	5.416G
53	5.588G	54	5.489G	55	5.582G	56	5.447G
57	5.625G	58	5.503G	59	5.463G	60	5.453G
61	5.655G	62	5.450G	63	5.665G	64	5.680G
65	5.642G	66	5.273G	67	5.290G	68	5.710G
69	5.669G	70	5.718G	71	5.477G	72	5.483G
73	5.267G	74	5.523G	75	5.673G	76	5.580G
77	5.254G	78	5.521G	79	5.417G	80	5.601G
81	5.424G	82	5.568G	83	5.466G	84	5.563G
85	5.403G	86	5.261G	87	5.604G	88	5.591G
89	5.712G	90	5.553G	91	5.529G	92	5.330G
93	5.720G	94	5.409G	95	5.598G	96	5.663G
97	5.715G	98	5.561G	99	5.607G	100	5.517G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.714G	2	5.522G	3	5.406G	4	5.690G
5	5.389G	6	5.295G	7	5.300G	8	5.385G
9	5.330G	10	5.719G	11	5.278G	12	5.691G
13	5.298G	14	5.626G	15	5.441G	16	5.565G
17	5.370G	18	5.397G	19	5.398G	20	5.326G
21	5.315G	22	5.616G	23	5.516G	24	5.546G
25	5.603G	26	5.645G	27	5.451G	28	5.374G
29	5.573G	30	5.684G	31	5.393G	32	5.447G
33	5.419G	34	5.709G	35	5.585G	36	5.427G
37	5.554G	38	5.394G	39	5.325G	40	5.621G
41	5.620G	42	5.557G	43	5.327G	44	5.277G
45	5.570G	46	5.494G	47	5.581G	48	5.474G
49	5.358G	50	5.448G	51	5.532G	52	5.612G
53	5.648G	54	5.711G	55	5.332G	56	5.348G
57	5.415G	58	5.723G	59	5.268G	60	5.442G
61	5.533G	62	5.460G	63	5.515G	64	5.305G
65	5.375G	66	5.439G	67	5.407G	68	5.301G
69	5.302G	70	5.702G	71	5.417G	72	5.505G
73	5.504G	74	5.679G	75	5.722G	76	5.605G
77	5.523G	78	5.517G	79	5.338G	80	5.617G
81	5.383G	82	5.594G	83	5.710G	84	5.630G
85	5.309G	86	5.400G	87	5.688G	88	5.543G
89	5.432G	90	5.307G	91	5.582G	92	5.409G
93	5.423G	94	5.485G	95	5.254G	96	5.488G
97	5.724G	98	5.413G	99	5.587G	100	5.405G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.413G	2	5.645G	3	5.618G	4	5.603G
5	5.534G	6	5.349G	7	5.573G	8	5.512G
9	5.511G	10	5.637G	11	5.577G	12	5.250G
13	5.721G	14	5.336G	15	5.446G	16	5.562G
17	5.566G	18	5.626G	19	5.470G	20	5.558G
21	5.643G	22	5.355G	23	5.553G	24	5.723G
25	5.305G	26	5.716G	27	5.652G	28	5.369G
29	5.525G	30	5.709G	31	5.544G	32	5.529G
33	5.489G	34	5.325G	35	5.599G	36	5.381G
37	5.687G	38	5.390G	39	5.371G	40	5.666G
41	5.318G	42	5.686G	43	5.376G	44	5.466G
45	5.624G	46	5.522G	47	5.477G	48	5.554G
49	5.357G	50	5.587G	51	5.535G	52	5.694G
53	5.367G	54	5.463G	55	5.693G	56	5.284G
57	5.696G	58	5.255G	59	5.436G	60	5.256G
61	5.689G	62	5.595G	63	5.292G	64	5.712G
65	5.516G	66	5.421G	67	5.383G	68	5.644G
69	5.345G	70	5.327G	71	5.366G	72	5.276G
73	5.326G	74	5.409G	75	5.596G	76	5.719G
77	5.517G	78	5.322G	79	5.636G	80	5.476G
81	5.510G	82	5.665G	83	5.353G	84	5.306G
85	5.678G	86	5.315G	87	5.638G	88	5.386G
89	5.491G	90	5.319G	91	5.420G	92	5.653G
93	5.713G	94	5.714G	95	5.333G	96	5.338G
97	5.520G	98	5.551G	99	5.457G	100	5.467G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.596G	2	5.297G	3	5.559G	4	5.701G
5	5.457G	6	5.607G	7	5.285G	8	5.319G
9	5.369G	10	5.705G	11	5.378G	12	5.303G
13	5.360G	14	5.539G	15	5.581G	16	5.408G
17	5.257G	18	5.311G	19	5.718G	20	5.331G
21	5.316G	22	5.616G	23	5.489G	24	5.374G
25	5.599G	26	5.639G	27	5.512G	28	5.337G
29	5.436G	30	5.406G	31	5.372G	32	5.497G
33	5.259G	34	5.572G	35	5.522G	36	5.696G
37	5.712G	38	5.629G	39	5.603G	40	5.330G
41	5.263G	42	5.434G	43	5.394G	44	5.387G
45	5.665G	46	5.353G	47	5.332G	48	5.358G
49	5.468G	50	5.379G	51	5.515G	52	5.413G
53	5.491G	54	5.585G	55	5.261G	56	5.317G
57	5.678G	58	5.615G	59	5.443G	60	5.648G
61	5.397G	62	5.284G	63	5.694G	64	5.501G
65	5.251G	66	5.415G	67	5.683G	68	5.509G
69	5.409G	70	5.393G	71	5.300G	72	5.647G
73	5.626G	74	5.494G	75	5.362G	76	5.556G
77	5.324G	78	5.566G	79	5.357G	80	5.328G
81	5.403G	82	5.389G	83	5.334G	84	5.514G
85	5.549G	86	5.390G	87	5.598G	88	5.274G
89	5.499G	90	5.346G	91	5.708G	92	5.548G
93	5.564G	94	5.404G	95	5.589G	96	5.473G
97	5.453G	98	5.275G	99	5.450G	100	5.583G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.571G	2	5.613G	3	5.348G	4	5.395G
5	5.698G	6	5.293G	7	5.333G	8	5.317G
9	5.506G	10	5.555G	11	5.548G	12	5.576G
13	5.338G	14	5.596G	15	5.257G	16	5.446G
17	5.461G	18	5.707G	19	5.440G	20	5.464G
21	5.437G	22	5.508G	23	5.538G	24	5.387G
25	5.694G	26	5.520G	27	5.304G	28	5.330G
29	5.504G	30	5.408G	31	5.503G	32	5.640G
33	5.545G	34	5.609G	35	5.410G	36	5.641G
37	5.282G	38	5.432G	39	5.565G	40	5.483G
41	5.614G	42	5.466G	43	5.680G	44	5.524G
45	5.444G	46	5.500G	47	5.569G	48	5.642G
49	5.577G	50	5.522G	51	5.679G	52	5.693G
53	5.252G	54	5.495G	55	5.713G	56	5.378G
57	5.313G	58	5.634G	59	5.676G	60	5.671G
61	5.643G	62	5.422G	63	5.363G	64	5.335G
65	5.711G	66	5.491G	67	5.390G	68	5.591G
69	5.260G	70	5.463G	71	5.605G	72	5.401G
73	5.631G	74	5.623G	75	5.705G	76	5.370G
77	5.696G	78	5.287G	79	5.425G	80	5.717G
81	5.655G	82	5.627G	83	5.553G	84	5.715G
85	5.339G	86	5.449G	87	5.328G	88	5.660G
89	5.519G	90	5.507G	91	5.353G	92	5.559G
93	5.526G	94	5.572G	95	5.606G	96	5.266G
97	5.691G	98	5.516G	99	5.274G	100	5.677G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.690G	2	5.304G	3	5.303G	4	5.665G
5	5.569G	6	5.555G	7	5.638G	8	5.469G
9	5.373G	10	5.486G	11	5.326G	12	5.655G
13	5.345G	14	5.509G	15	5.617G	16	5.487G
17	5.654G	18	5.579G	19	5.255G	20	5.596G
21	5.643G	22	5.583G	23	5.464G	24	5.281G
25	5.336G	26	5.257G	27	5.305G	28	5.581G
29	5.335G	30	5.674G	31	5.649G	32	5.605G
33	5.280G	34	5.512G	35	5.296G	36	5.331G
37	5.721G	38	5.692G	39	5.563G	40	5.405G
41	5.264G	42	5.616G	43	5.609G	44	5.591G
45	5.385G	46	5.327G	47	5.295G	48	5.325G
49	5.453G	50	5.349G	51	5.586G	52	5.500G
53	5.412G	54	5.322G	55	5.499G	56	5.356G
57	5.311G	58	5.683G	59	5.272G	60	5.339G
61	5.522G	62	5.524G	63	5.408G	64	5.715G
65	5.720G	66	5.442G	67	5.445G	68	5.371G
69	5.370G	70	5.639G	71	5.647G	72	5.297G
73	5.270G	74	5.372G	75	5.425G	76	5.722G
77	5.407G	78	5.338G	79	5.699G	80	5.251G
81	5.379G	82	5.667G	83	5.400G	84	5.558G
85	5.359G	86	5.681G	87	5.623G	88	5.541G
89	5.434G	90	5.521G	91	5.580G	92	5.676G
93	5.662G	94	5.429G	95	5.320G	96	5.444G
97	5.418G	98	5.713G	99	5.505G	100	5.612G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.500G	2	5.393G	3	5.299G	4	5.588G
5	5.673G	6	5.723G	7	5.610G	8	5.551G
9	5.317G	10	5.326G	11	5.635G	12	5.505G
13	5.366G	14	5.646G	15	5.585G	16	5.460G
17	5.367G	18	5.615G	19	5.625G	20	5.364G
21	5.337G	22	5.587G	23	5.399G	24	5.643G
25	5.278G	26	5.707G	27	5.449G	28	5.711G
29	5.478G	30	5.508G	31	5.344G	32	5.602G
33	5.346G	34	5.386G	35	5.694G	36	5.568G
37	5.676G	38	5.468G	39	5.261G	40	5.448G
41	5.466G	42	5.352G	43	5.541G	44	5.265G
45	5.631G	46	5.417G	47	5.679G	48	5.491G
49	5.316G	50	5.459G	51	5.474G	52	5.310G
53	5.283G	54	5.382G	55	5.562G	56	5.424G
57	5.287G	58	5.480G	59	5.518G	60	5.279G
61	5.348G	62	5.636G	63	5.295G	64	5.377G
65	5.489G	66	5.324G	67	5.446G	68	5.520G
69	5.340G	70	5.429G	71	5.594G	72	5.686G
73	5.297G	74	5.483G	75	5.257G	76	5.473G
77	5.419G	78	5.678G	79	5.521G	80	5.272G
81	5.472G	82	5.303G	83	5.554G	84	5.691G
85	5.271G	86	5.437G	87	5.501G	88	5.704G
89	5.353G	90	5.703G	91	5.656G	92	5.273G
93	5.569G	94	5.450G	95	5.582G	96	5.557G
97	5.672G	98	5.650G	99	5.405G	100	5.538G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.635G	2	5.569G	3	5.707G	4	5.382G
5	5.496G	6	5.423G	7	5.647G	8	5.560G
9	5.341G	10	5.657G	11	5.665G	12	5.715G
13	5.412G	14	5.339G	15	5.361G	16	5.522G
17	5.597G	18	5.720G	19	5.291G	20	5.285G
21	5.365G	22	5.620G	23	5.354G	24	5.436G
25	5.677G	26	5.473G	27	5.704G	28	5.424G
29	5.254G	30	5.345G	31	5.484G	32	5.604G
33	5.268G	34	5.306G	35	5.684G	36	5.362G
37	5.468G	38	5.257G	39	5.267G	40	5.349G
41	5.392G	42	5.542G	43	5.494G	44	5.297G
45	5.618G	46	5.630G	47	5.554G	48	5.360G
49	5.718G	50	5.300G	51	5.266G	52	5.425G
53	5.363G	54	5.515G	55	5.443G	56	5.283G
57	5.686G	58	5.430G	59	5.431G	60	5.555G
61	5.280G	62	5.552G	63	5.672G	64	5.273G
65	5.571G	66	5.317G	67	5.278G	68	5.541G
69	5.447G	70	5.663G	71	5.485G	72	5.546G
73	5.523G	74	5.581G	75	5.568G	76	5.685G
77	5.610G	78	5.540G	79	5.576G	80	5.609G
81	5.562G	82	5.708G	83	5.566G	84	5.262G
85	5.639G	86	5.614G	87	5.379G	88	5.688G
89	5.632G	90	5.364G	91	5.553G	92	5.506G
93	5.668G	94	5.288G	95	5.505G	96	5.302G
97	5.329G	98	5.439G	99	5.448G	100	5.446G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.256G	2	5.438G	3	5.676G	4	5.420G
5	5.355G	6	5.408G	7	5.559G	8	5.576G
9	5.325G	10	5.469G	11	5.626G	12	5.708G
13	5.357G	14	5.533G	15	5.688G	16	5.590G
17	5.643G	18	5.441G	19	5.662G	20	5.704G
21	5.612G	22	5.316G	23	5.591G	24	5.649G
25	5.323G	26	5.716G	27	5.414G	28	5.270G
29	5.260G	30	5.257G	31	5.661G	32	5.720G
33	5.277G	34	5.628G	35	5.558G	36	5.570G
37	5.483G	38	5.522G	39	5.254G	40	5.556G
41	5.378G	42	5.477G	43	5.550G	44	5.296G
45	5.713G	46	5.449G	47	5.291G	48	5.415G
49	5.484G	50	5.656G	51	5.489G	52	5.369G
53	5.627G	54	5.551G	55	5.474G	56	5.537G
57	5.399G	58	5.666G	59	5.313G	60	5.574G
61	5.465G	62	5.654G	63	5.290G	64	5.659G
65	5.269G	66	5.697G	67	5.502G	68	5.636G
69	5.289G	70	5.609G	71	5.386G	72	5.324G
73	5.334G	74	5.365G	75	5.368G	76	5.262G
77	5.321G	78	5.542G	79	5.673G	80	5.435G
81	5.565G	82	5.701G	83	5.401G	84	5.466G
85	5.425G	86	5.495G	87	5.645G	88	5.569G
89	5.284G	90	5.642G	91	5.699G	92	5.705G
93	5.561G	94	5.505G	95	5.301G	96	5.605G
97	5.444G	98	5.440G	99	5.293G	100	5.360G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.706G	2	5.667G	3	5.664G	4	5.602G
5	5.318G	6	5.543G	7	5.332G	8	5.688G
9	5.455G	10	5.299G	11	5.383G	12	5.412G
13	5.409G	14	5.413G	15	5.559G	16	5.671G
17	5.506G	18	5.267G	19	5.372G	20	5.529G
21	5.275G	22	5.633G	23	5.376G	24	5.587G
25	5.518G	26	5.508G	27	5.307G	28	5.339G
29	5.716G	30	5.345G	31	5.614G	32	5.554G
33	5.470G	34	5.404G	35	5.260G	36	5.418G
37	5.353G	38	5.348G	39	5.637G	40	5.689G
41	5.591G	42	5.525G	43	5.426G	44	5.252G
45	5.475G	46	5.461G	47	5.362G	48	5.576G
49	5.298G	50	5.647G	51	5.386G	52	5.288G
53	5.398G	54	5.632G	55	5.297G	56	5.414G
57	5.659G	58	5.329G	59	5.467G	60	5.691G
61	5.685G	62	5.532G	63	5.556G	64	5.700G
65	5.558G	66	5.282G	67	5.371G	68	5.257G
69	5.542G	70	5.569G	71	5.650G	72	5.705G
73	5.315G	74	5.359G	75	5.440G	76	5.325G
77	5.273G	78	5.497G	79	5.655G	80	5.384G
81	5.672G	82	5.579G	83	5.479G	84	5.708G
85	5.441G	86	5.601G	87	5.652G	88	5.354G
89	5.436G	90	5.476G	91	5.464G	92	5.550G
93	5.577G	94	5.658G	95	5.271G	96	5.391G
97	5.392G	98	5.668G	99	5.511G	100	5.303G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.589G	2	5.434G	3	5.283G	4	5.486G
5	5.676G	6	5.498G	7	5.418G	8	5.559G
9	5.464G	10	5.391G	11	5.504G	12	5.672G
13	5.588G	14	5.587G	15	5.643G	16	5.338G
17	5.435G	18	5.521G	19	5.586G	20	5.457G
21	5.599G	22	5.306G	23	5.469G	24	5.500G
25	5.543G	26	5.257G	27	5.282G	28	5.414G
29	5.596G	30	5.296G	31	5.352G	32	5.603G
33	5.490G	34	5.279G	35	5.303G	36	5.444G
37	5.566G	38	5.281G	39	5.506G	40	5.483G
41	5.468G	42	5.318G	43	5.562G	44	5.649G
45	5.535G	46	5.383G	47	5.437G	48	5.530G
49	5.522G	50	5.629G	51	5.458G	52	5.297G
53	5.325G	54	5.356G	55	5.723G	56	5.663G
57	5.459G	58	5.402G	59	5.470G	60	5.267G
61	5.701G	62	5.353G	63	5.601G	64	5.693G
65	5.329G	66	5.680G	67	5.372G	68	5.580G
69	5.659G	70	5.397G	71	5.602G	72	5.305G
73	5.614G	74	5.684G	75	5.552G	76	5.673G
77	5.716G	78	5.323G	79	5.359G	80	5.321G
81	5.550G	82	5.348G	83	5.584G	84	5.698G
85	5.609G	86	5.591G	87	5.627G	88	5.608G
89	5.724G	90	5.314G	91	5.628G	92	5.419G
93	5.330G	94	5.670G	95	5.408G	96	5.534G
97	5.423G	98	5.615G	99	5.501G	100	5.406G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29

SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.443G	2	5.333G	3	5.506G	4	5.294G
5	5.701G	6	5.463G	7	5.554G	8	5.338G
9	5.683G	10	5.589G	11	5.504G	12	5.273G
13	5.422G	14	5.412G	15	5.722G	16	5.698G
17	5.456G	18	5.552G	19	5.694G	20	5.658G
21	5.603G	22	5.678G	23	5.724G	24	5.317G
25	5.260G	26	5.319G	27	5.715G	28	5.602G
29	5.259G	30	5.429G	31	5.329G	32	5.451G
33	5.304G	34	5.298G	35	5.702G	36	5.315G
37	5.403G	38	5.578G	39	5.281G	40	5.526G
41	5.361G	42	5.292G	43	5.659G	44	5.343G
45	5.604G	46	5.387G	47	5.559G	48	5.390G
49	5.655G	50	5.717G	51	5.347G	52	5.690G
53	5.479G	54	5.448G	55	5.700G	56	5.433G
57	5.288G	58	5.548G	59	5.355G	60	5.637G
61	5.551G	62	5.380G	63	5.583G	64	5.447G
65	5.708G	66	5.631G	67	5.382G	68	5.627G
69	5.705G	70	5.334G	71	5.642G	72	5.286G
73	5.271G	74	5.452G	75	5.445G	76	5.312G
77	5.651G	78	5.663G	79	5.696G	80	5.484G
81	5.254G	82	5.560G	83	5.541G	84	5.280G
85	5.325G	86	5.419G	87	5.275G	88	5.400G
89	5.555G	90	5.643G	91	5.388G	92	5.470G
93	5.632G	94	5.487G	95	5.510G	96	5.536G
97	5.454G	98	5.468G	99	5.567G	100	5.638G



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Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.402G	2	5.641G	3	5.672G	4	5.436G
5	5.542G	6	5.398G	7	5.626G	8	5.522G
9	5.462G	10	5.529G	11	5.327G	12	5.388G
13	5.350G	14	5.254G	15	5.514G	16	5.665G
17	5.325G	18	5.320G	19	5.404G	20	5.616G
21	5.351G	22	5.608G	23	5.361G	24	5.666G
25	5.562G	26	5.399G	27	5.381G	28	5.341G
29	5.545G	30	5.275G	31	5.518G	32	5.421G
33	5.628G	34	5.349G	35	5.452G	36	5.466G
37	5.620G	38	5.294G	39	5.506G	40	5.372G
41	5.599G	42	5.683G	43	5.708G	44	5.441G
45	5.695G	46	5.585G	47	5.647G	48	5.564G
49	5.593G	50	5.690G	51	5.604G	52	5.544G
53	5.686G	54	5.312G	55	5.516G	56	5.718G
57	5.253G	58	5.723G	59	5.415G	60	5.278G
61	5.574G	62	5.338G	63	5.602G	64	5.373G
65	5.630G	66	5.356G	67	5.464G	68	5.573G
69	5.660G	70	5.609G	71	5.714G	72	5.301G
73	5.668G	74	5.619G	75	5.670G	76	5.439G
77	5.693G	78	5.520G	79	5.671G	80	5.450G
81	5.523G	82	5.583G	83	5.721G	84	5.662G
85	5.335G	86	5.578G	87	5.352G	88	5.486G
89	5.448G	90	5.505G	91	5.482G	92	5.330G
93	5.480G	94	5.561G	95	5.393G	96	5.397G
97	5.380G	98	5.412G	99	5.333G	100	5.310G