DFS TEST REPORT

REPORT NO.: RF930507H06F
MODEL NO.: BR5811b, BR5811bE
RECEIVED: Nov. 15, 2006
TESTED: Nov. 20, 2006 to March 08, 2007
ISSUED: March 23, 2007

APPLICANT: Microelectronics Technology Inc.

ADDRESS: 1, Innovation Road II,Hsinchu Science-based Industrial Park, Hsinchu, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

TEST LOCATION: No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien, Taiwan, R.O.C.

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0536

No. 2177-01

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1. CERTIFICATION

PRODUCT:	802.11a Outdoor Bridge With Internal Antenna, 802.11a Outdoor Bridge With External Antenna
BRAND NAME:	MTI
MODEL NO.:	BR5811b, BR5811bE
TEST SAMPLE:	MASS-PRODUCTION
TESTED:	Nov. 20, 2006 to March 08, 2007
APPLICANT:	Microelectronics Technology Inc.
STANDARDS:	**FCC Part 15, Subpart E (Section 15.407)** FCC 06-96

The above equipment (Model: BR5811b, BR5811bE) have been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : _____ , **DATE:** March 23, 2007
(Midoli Peng)

TECHNICAL ACCEPTANCE : _____ , **DATE:** March 23, 2007
Responsible for RF
(Moris Lin)

APPROVED BY : _____ , **DATE:** March 23, 2007
(Hank Chung, Deputy Manager)

2. TEST REQUIREMENT

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 1: Applicability of DFS requirements prior to use a channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	ü	Not required	ü
DFS Detection Threshold	ü	Not required	ü
Channel Availability Check Time	ü	Not required	Not required
Uniform Spreading	ü	Not required	Not required
U-NII Detection Bandwidth	ü	Not required	ü

Table 2: Applicability of DFS requirements during normal operation.

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

2.1 OPERATING FREQUENCY OF U-NII DEVICE

Table 3: Operating frequency range of UUT.

Operational Mode	Operating Frequency Range	
	5250~5350MHz	5470~5725MHz
Master	ü	ü
Client without radar detection	Not Apply	Not Apply
Client with radar detection	ü	ü

2.2 TEST LIMITS AND RADAR SIGNAL PARAMETERS

DETECTION THRESHOLD VALUES

Table 4: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection.

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

Table 5: 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 6: 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 7: 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 8: 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

3. GENERAL INFORMATION

3.1 OPERATING FREQUENCY OF U-NII DEVICE

Table 9: Test instruments list.

DESCRIPTION & MANUFACTURER	MODEL NO.	BRAND	CALIBRATED UNTIL
R&S Spectrum analyzer	FSP40	R&S	Aug. 15, 2007
Signal generator	8645A	Agilent	May. 26, 2008
Oscilloscope	TDS 5104	Tektronix	Apr. 05. 2007

3.2 DESCRIPTION OF SUPPORT UNITS

Table 10: Support Unit information.

No.	Product	Brand	Model No.	ID	Spec.
1	802.11a+b/g Outdoor AP/Bridge With External Antenna	MTI.	AP5822E		

3.3 SOFTWARE AND FIRMWARE

Table 11: The software/firmware version for U-NII device.

No.	Product	Model No.	Software/Firmware Version
1	802.11a Outdoor Bridge With External Antenna	BR5811bE	Ver 4.28C , Ver 4.28C (Test)
2	802.11a+b/g Outdoor AP/Bridge With External Antenna	AP5822E	Ver 4.28C , Ver 4.28C (Test)

Note: Firmware version

Ver 4.28C for normal use.

Ver 4.28C(Test) for DFS test only which can overrides the Channel Selection mechanism.

3.4 DESCRIPTION OF AVAILABLE ANTENNAS

Table 12: Antenna list.

Ant NO.	Antenna	Type	Operation Frequency Range	Max. Gain(dBi)
1	UMIT,ANT05535(Int.)	Directional, Patch Panel	5.47 – 5.850 GHz	17
2	Smartant,R0420-058(Ext.)	Dipole,Omni	5.25 – 5.35 GHz	8
3	Evertime,1GP-51809(Ext.)	Dipole,Omni	5.1 – 5.9 GHz	9

3.5 MAXIMUM AND MINIMUM CONDUCTED POWER

Table 13: The measured conducted output power.

Ant NO.	Frequency Band(MHZ)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
1	5470~5725MHz	12.52	17.86487575	6.12	4.092606597
2	5250~5350MHz	19.62	91.62204901	12.2	16.59586907
3	5250~5350MHz	20.05	101.1579454	11.75	14.96235656
3	5470~5725MHz	20.1	102.3292992	11.99	15.81248039

3.6 MAXIMUM AND MINIMUM E.I.R.P. POWER

Table 14: The E.I.R.P output power list.

Ant NO.	Frequency Band(MHZ)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
1	5470~5725MHz	29.52	895.3647655	23.12	205.1162179
2	5250~5350MHz	27.62	578.0960474	20.2	104.7128548
3	5250~5350MHz	29.05	803.5261222	20.75	118.8502227
3	5470~5725MHz	29.1	812.8305162	20.99	125.6029964

3.7 STATEMENT OF MAUNFACTURER

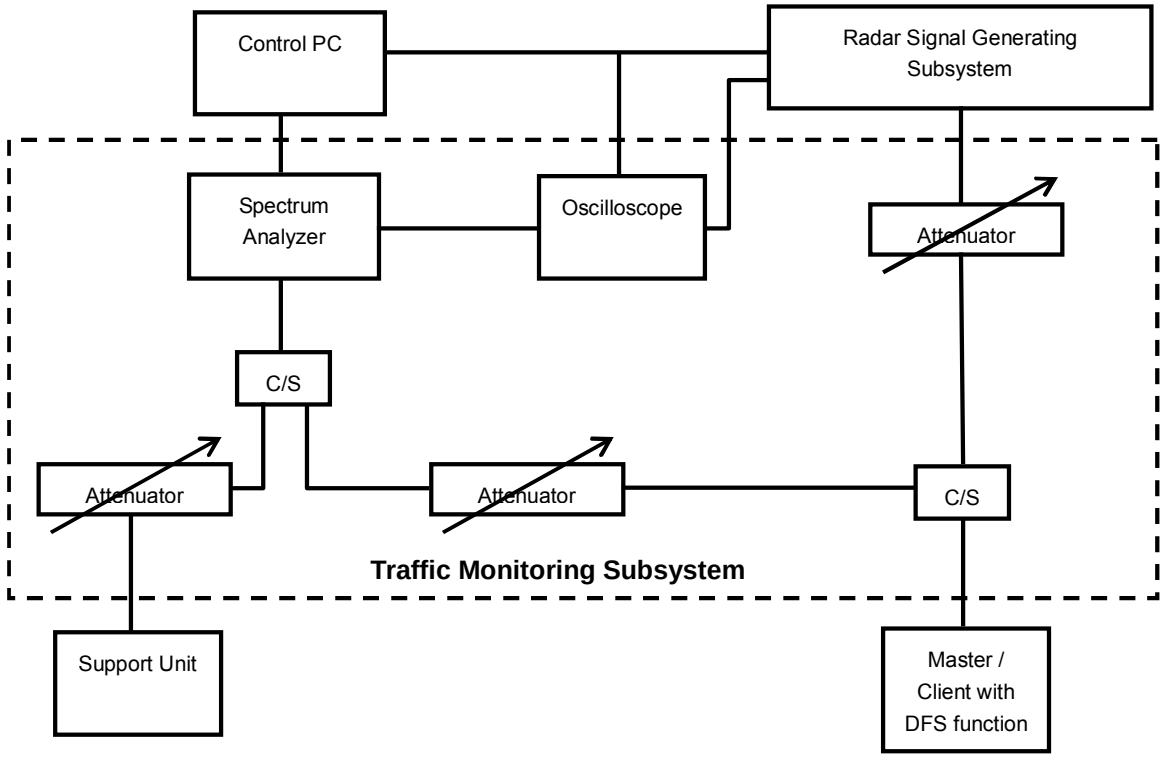
Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

4. TEST PROCEDURE

4.1 ADT DFS MEASUREMENT SYSTEM

A complete ADT DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 6, 7 and 8. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

Conducted setup configuration of ADT DFS Measurement System

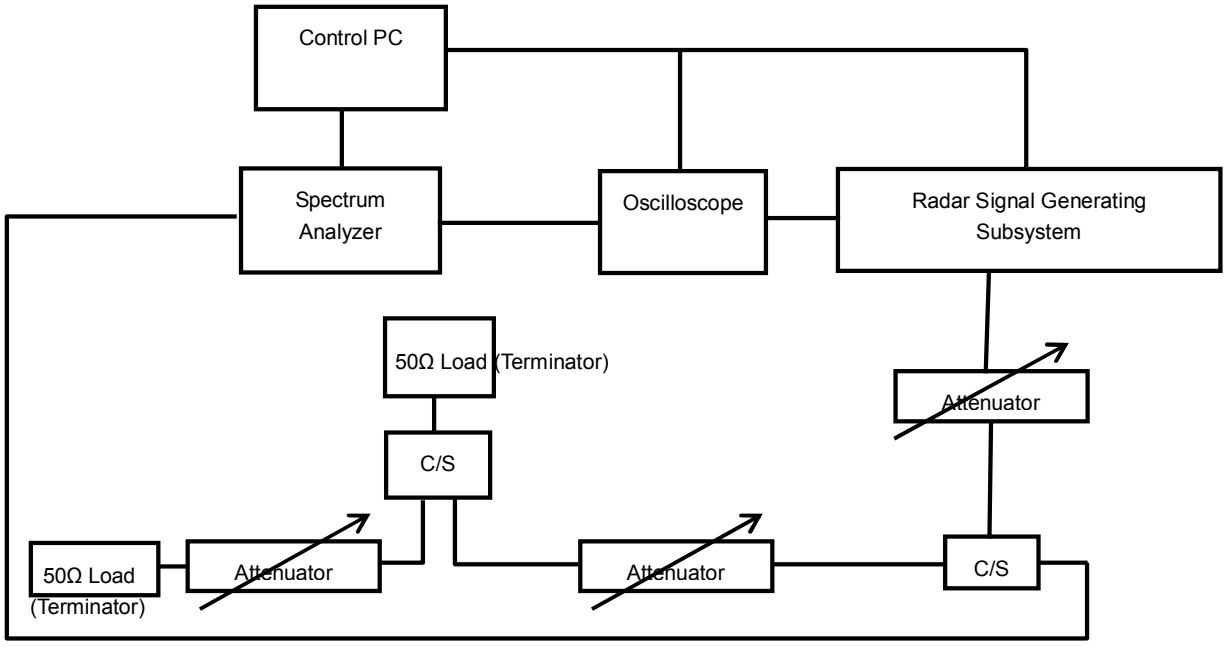


The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 y Magic Hours) from Master device, the designated MPEG test file and instructions are located at: http://ntiacsd.ntia.doc.gov/dfs/.

4.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:

The measured channel is 5320MHz. 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 8dBi and required detection threshold is -55dBm (= -64 +1+8)dBm. The calibrated conducted detection threshold level is set to -56dBm. The tested level is lower than required level hence it provides margin to the limit.

Conducted setup configuration of Calibration of DFS Detection Threshold Level

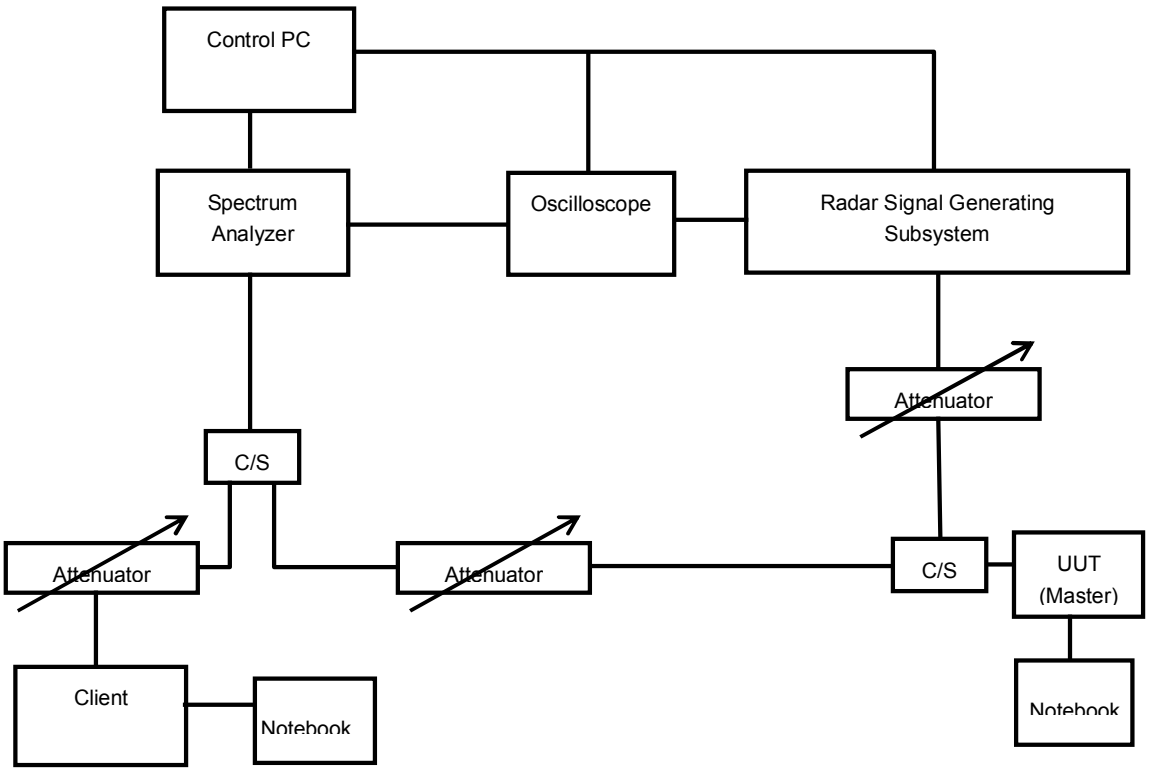


4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 CONDUCTED TEST SETUP CONFIGURATION

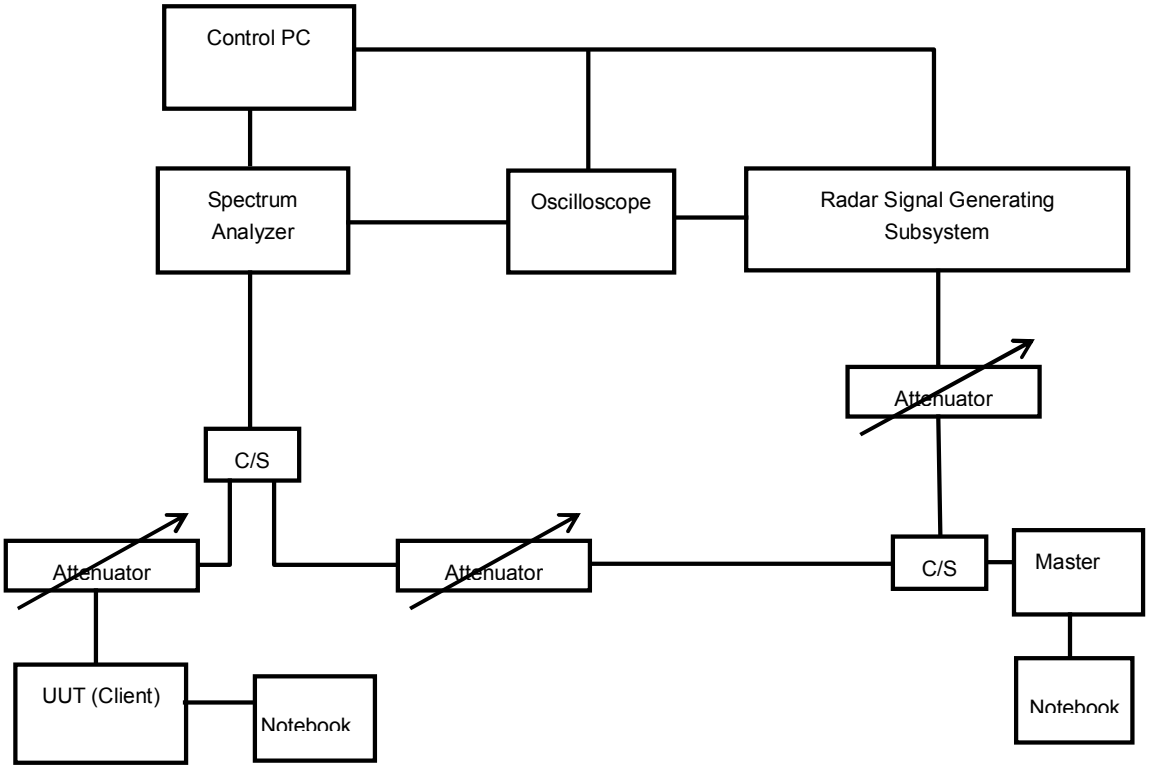
4.4.1 MASTER MODE



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

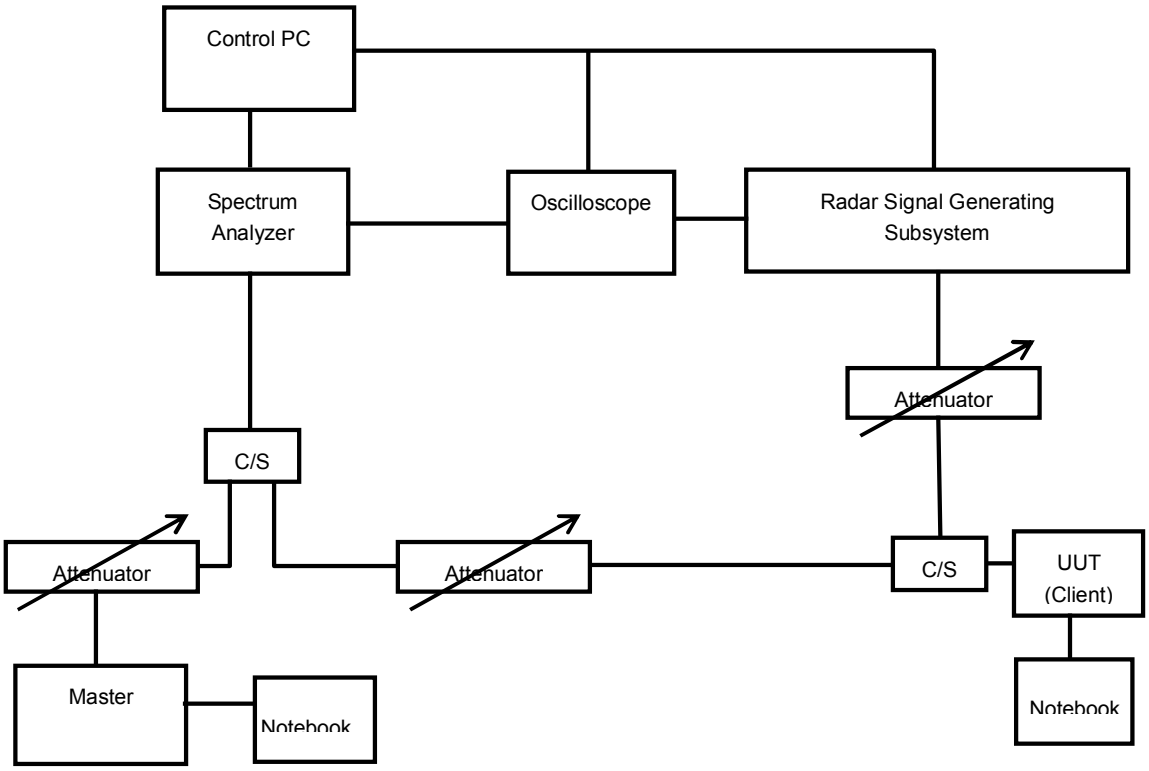
4.4.2 CLIENT WITH RADAR DETECTION MODE

Radar injected into Master Device



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

Radar injected into UUT(Client with Radar Detction)

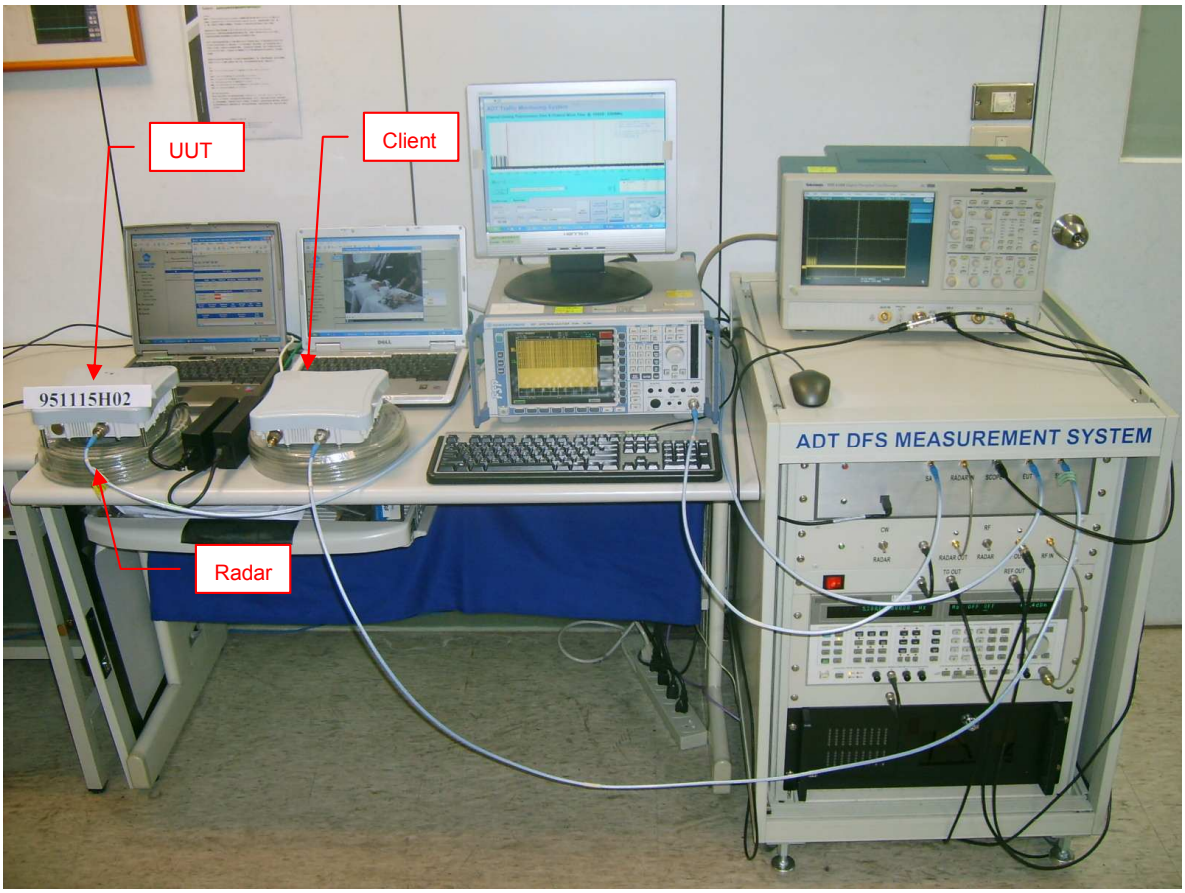


The UUT is a U-NII Device operating in Client with radar detection mode. The radar test signals are injected into the Client Device.

4.5 PHOTOGRAPHS OF THE TEST CONFIGURATION

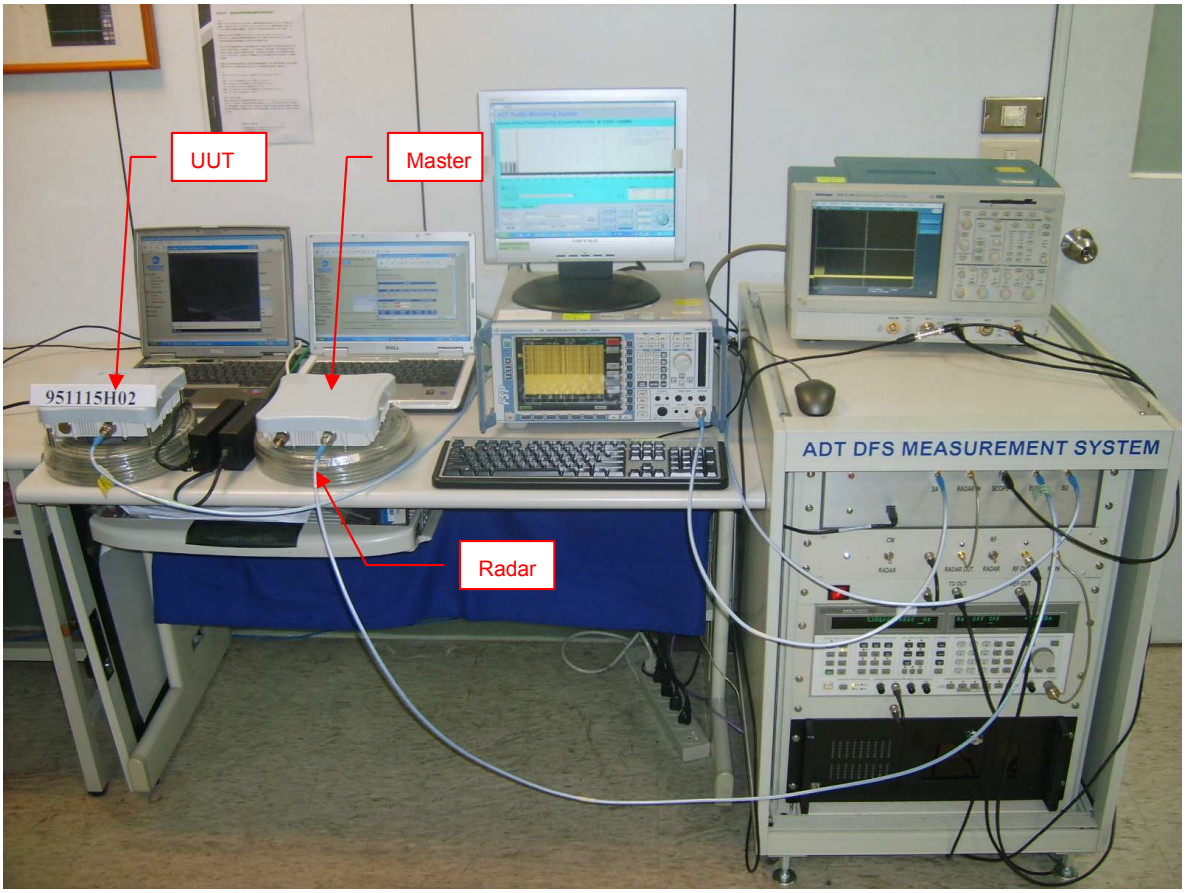
4.5.1 CONDUCTED TEST SETUP PHOTO

4.5.1.1 SET UUT AS MASTER MODE

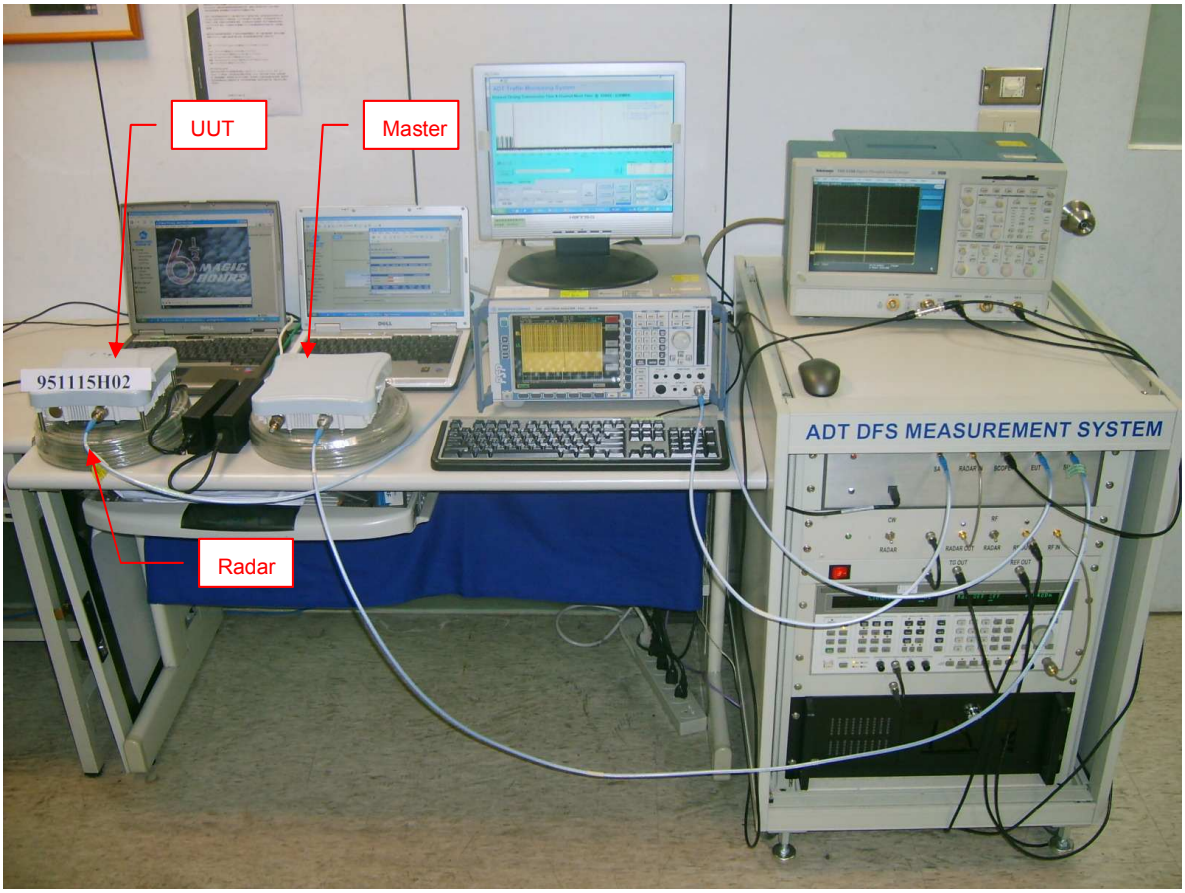


4.5.1.2 SET UUT AS CLIENT WITH RADAR DETECTION MODE

Radar injected into Master



Radar injected into UUT



5 SUMMARY OF TEST RESULTS

5.1 LIST OF MEASUREMENTS

5.1.1 THE UUT IS CAPABLE OF OPERATING AS A MASTER.

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

5.1.2 THE UUT IS CAPABLE OF OPERATING AS A CLIENT WITH RADAR DETECTION

Clause	Test Parameter	Remarks	Pass/Fail
15.407	DFS Detection Threshold	Applicable	Pass
15.407	Channel Availability Check Time	Not Applicable	NA
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	Not Applicable	NA
15.407	U-NII Detection Bandwidth	Applicable	Pass

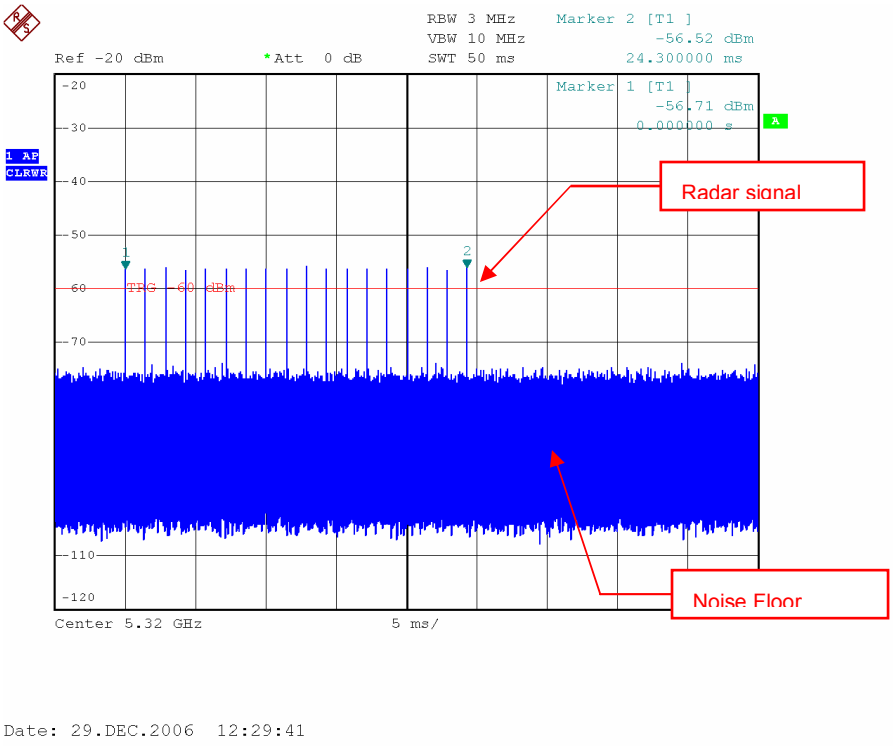
5.2 DFS TEST RESULTS

5.2.1 THE UUT IS A U-NII DEVICE OPERATING IN MASTER MODE.

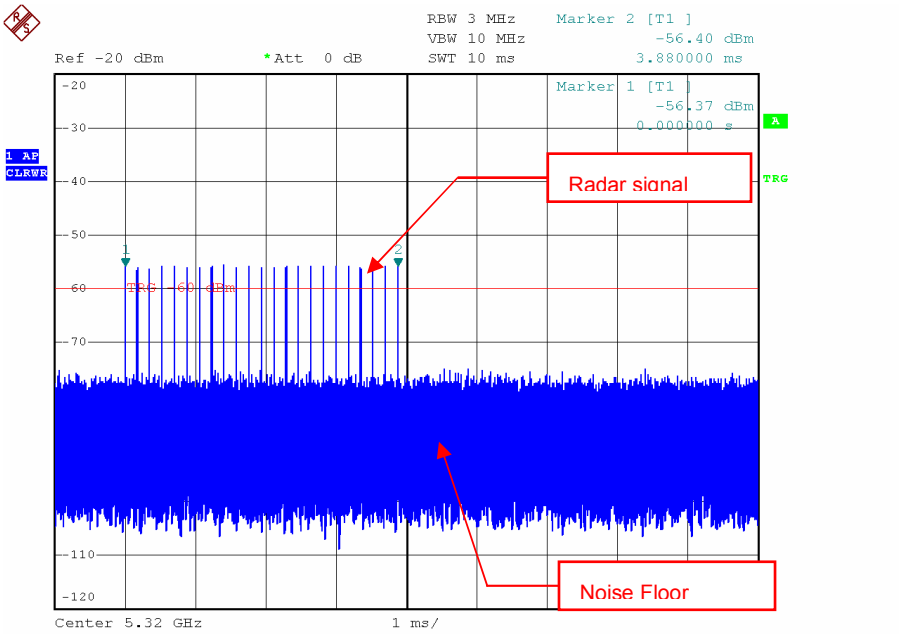
Master with injection at the Master. (Radar Test Waveforms are injected into the Master.)

5.2.1.1 DFS DETECTION THRESHOLD

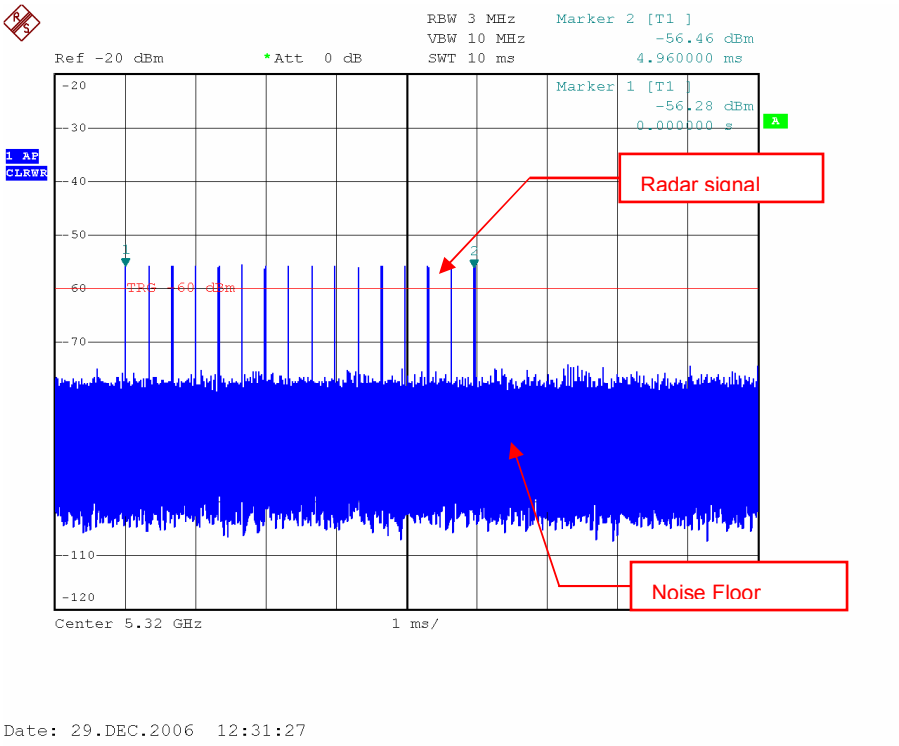
For a detection threshold level of –64dBm and the Master antenna gain is 8dBi. The Required detection threshold is -55dBm (= -64 +1+8)dBm. The conducted radar burst level is set to -56dBm. The tested level is lower than required level hence it provides margin to the limit.



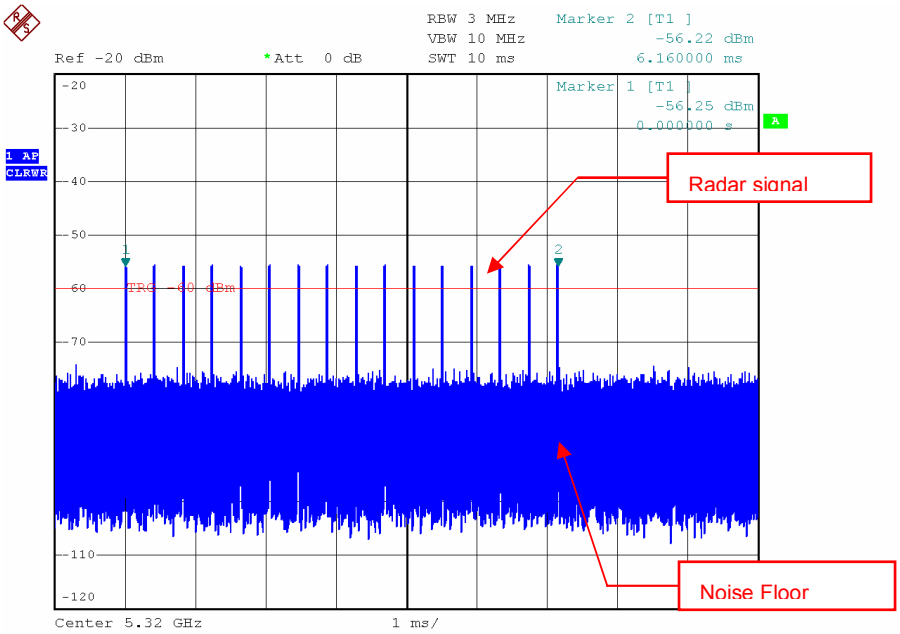
Radar Signal 1



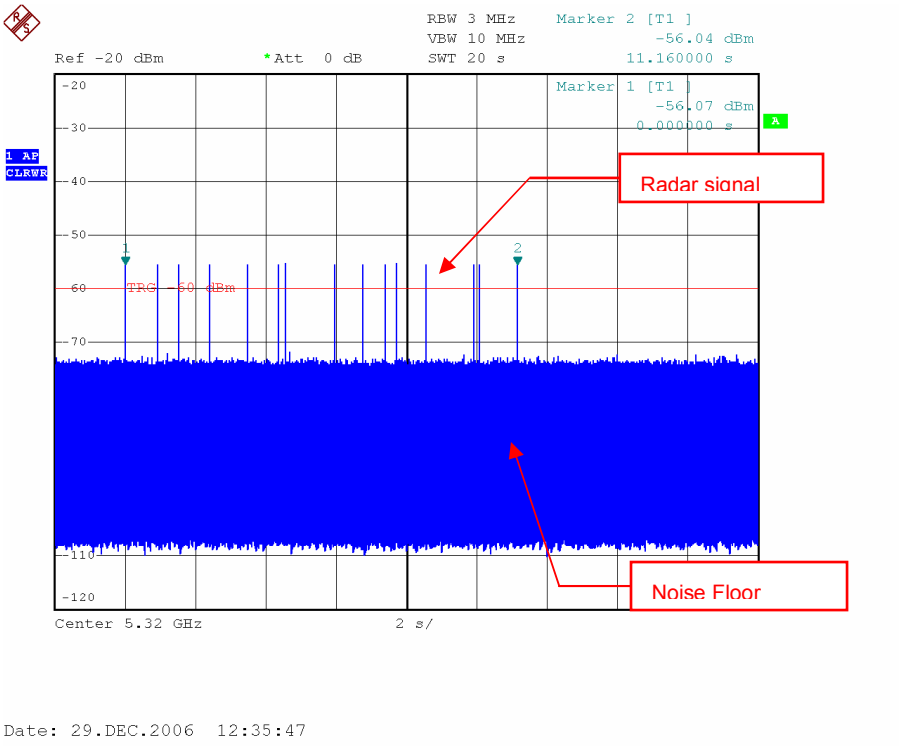
Radar Signal 2



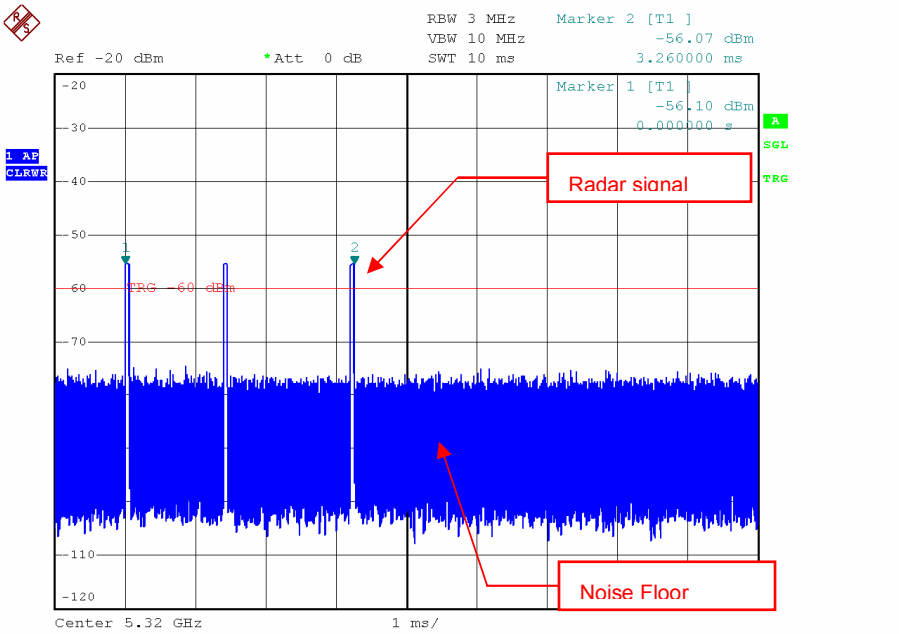
Radar Signal 3



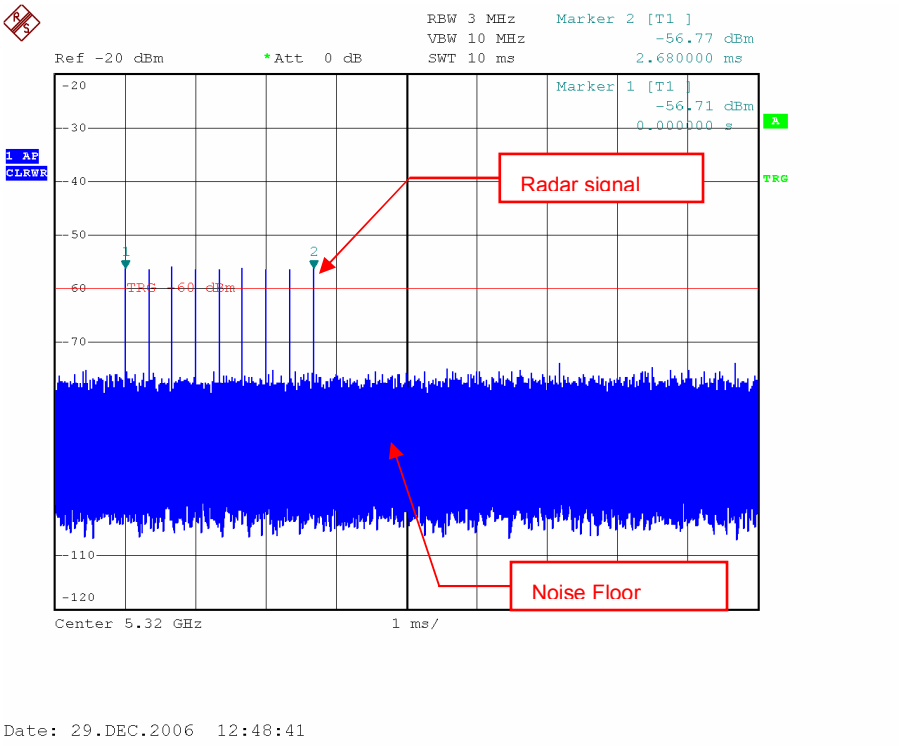
Radar Signal 4



Radar Signal 5



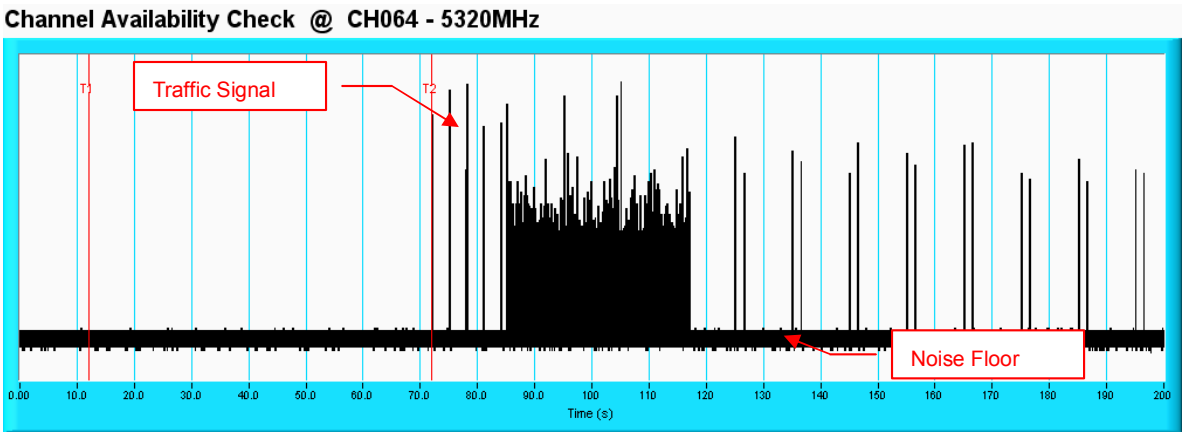
Single Burst of Radar Signal 5



Radar Signal 6

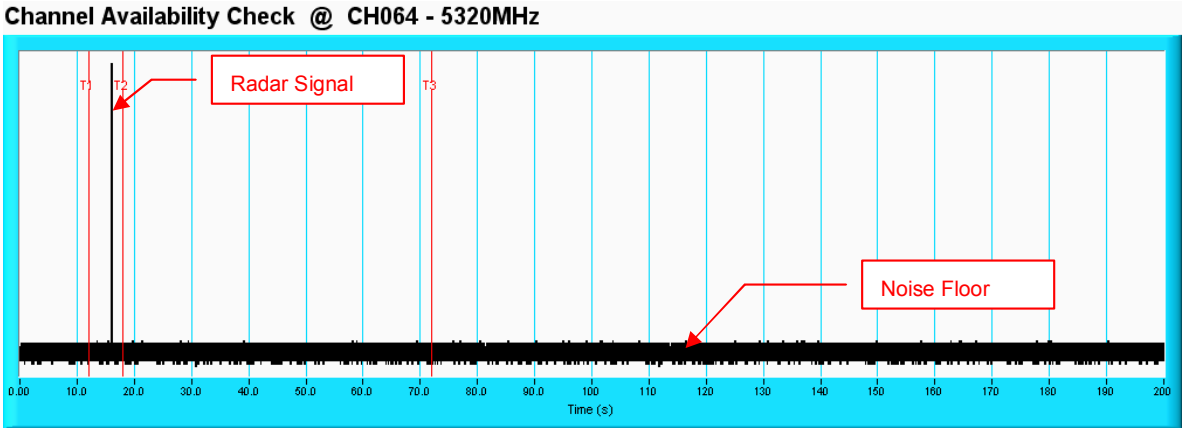
5.2.1.2 CHANNEL AVAILABILITY CHECK TIME

Initial Channel Availability Check Time



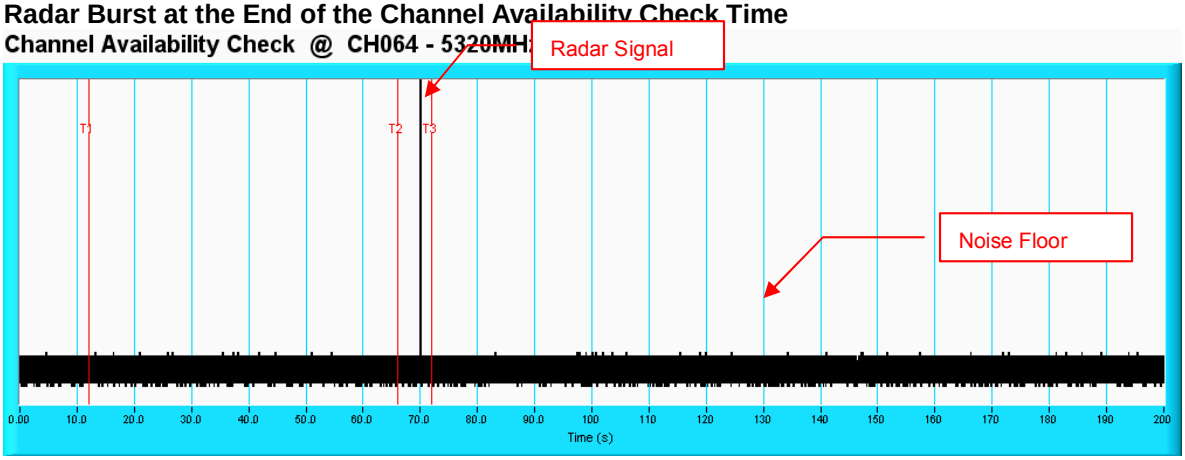
NOTE: T1 denotes the end of power-up time period is 12th second. T2 denotes the end of Channel Availability Check time is 72th second. Channel Availability Check time is equal to (T2 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 12th second. T2 denotes the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T3 denotes the 72th second.

Radar Burst at the End of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 12th second. T2 denotes 66th second and T3 denotes the 72th second. The radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence.

5.2.1.3 Channel Closing Transmission and Channel Move Time

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	96.7
2	1-5	150-230	23-29	30	100
3	6-10	200-500	16-18	30	93.3
4	11-20	200-500	12-16	30	93.3
Aggregate (Radar Types 1-4)				120	95.8

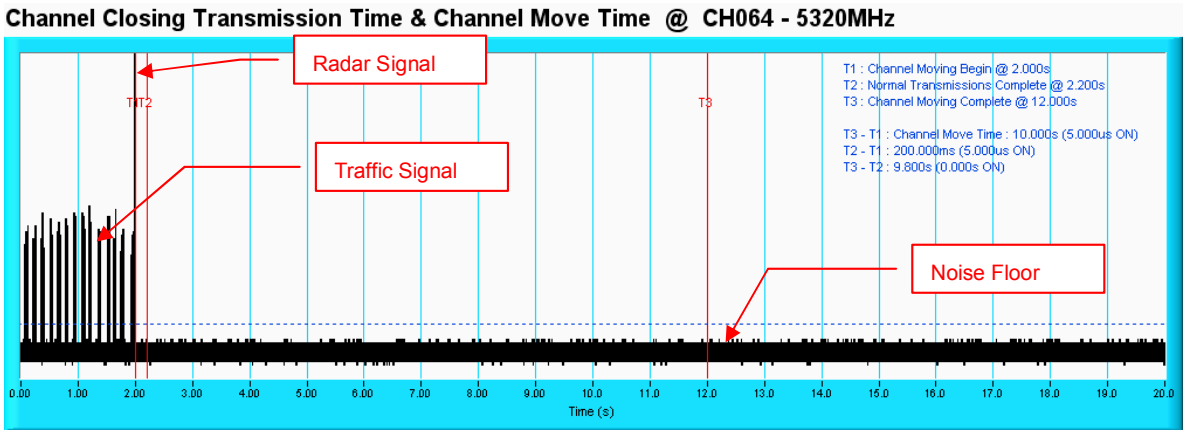
Table 2: Long Pulse Radar Test Waveform

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	100

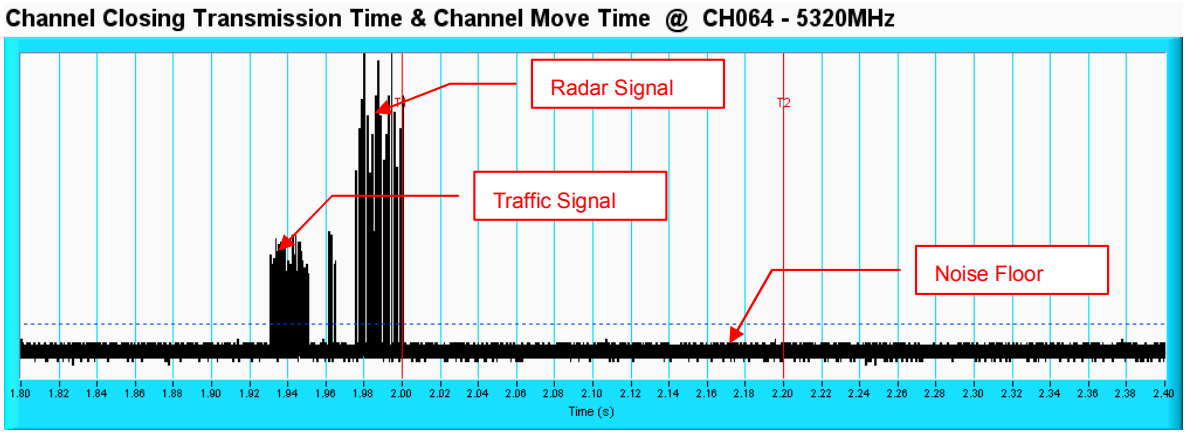
Table 3: Frequency Hopping Radar Test Waveform

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

Radar signal 1

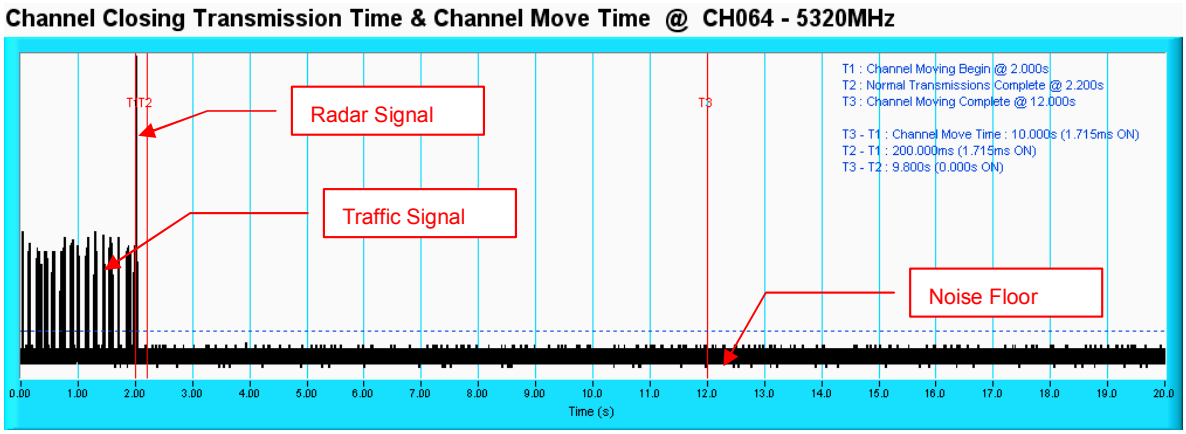


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

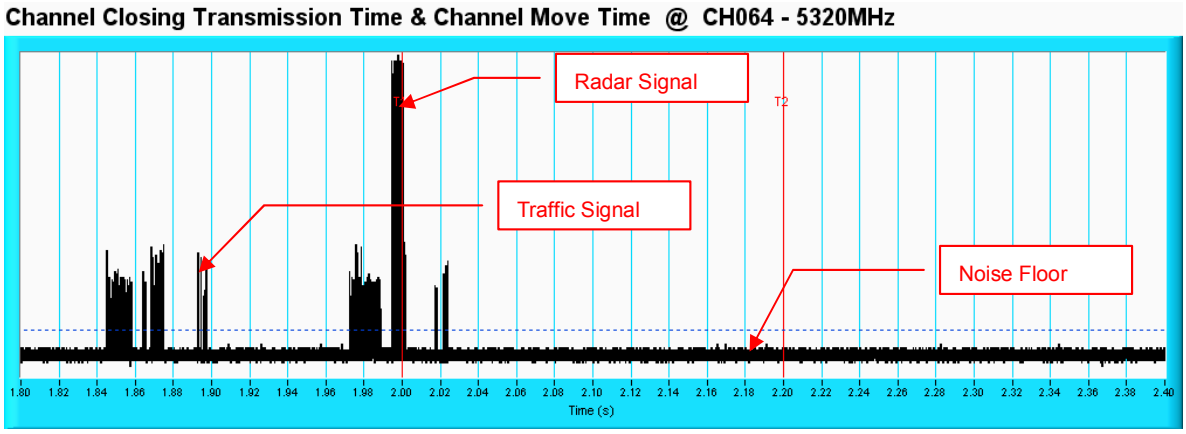


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 2

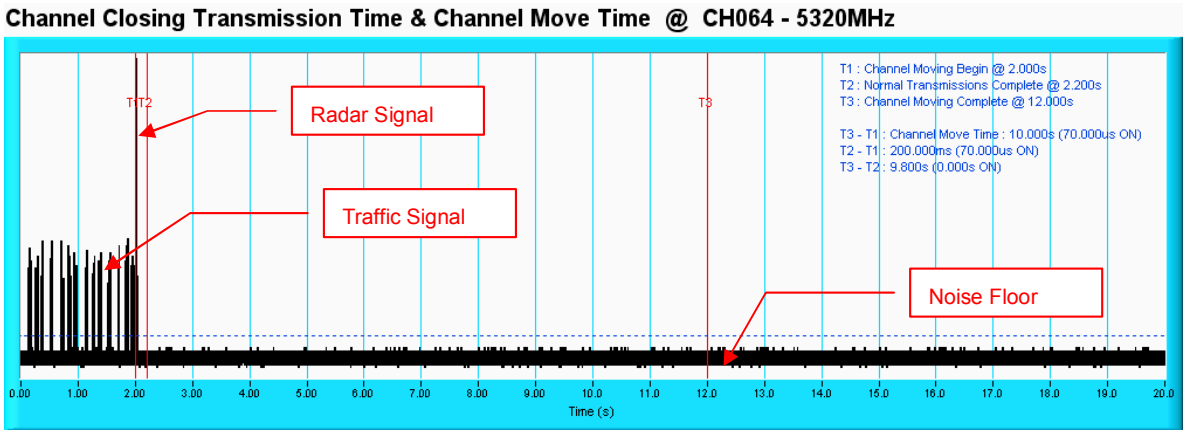


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

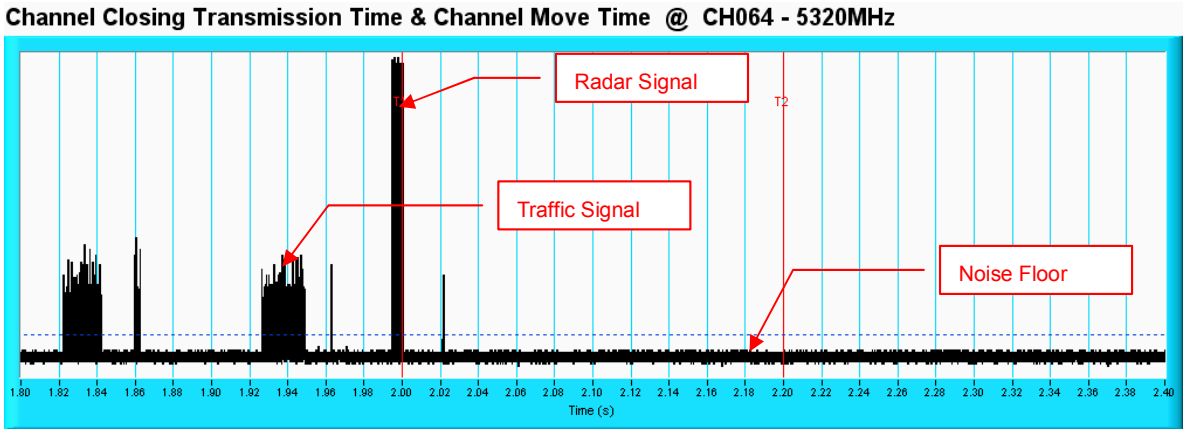


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 3

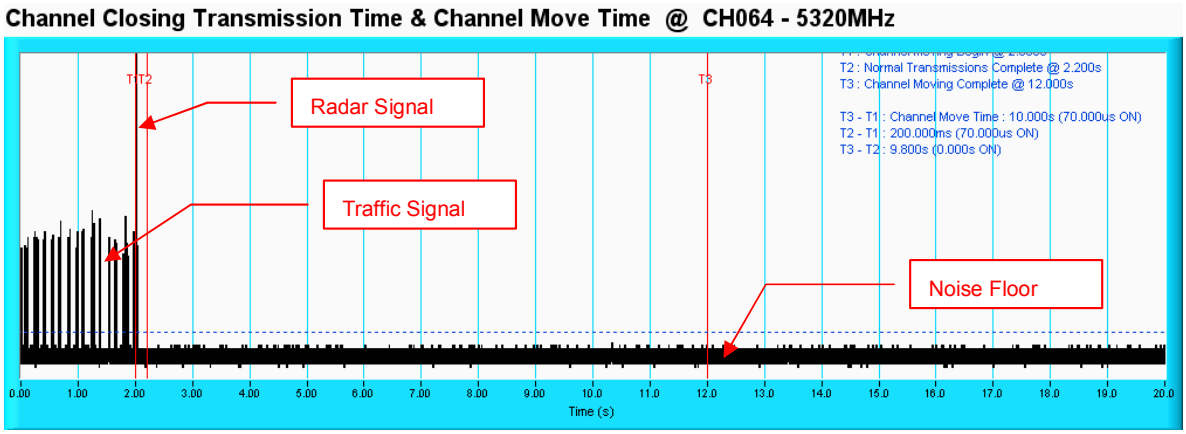


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

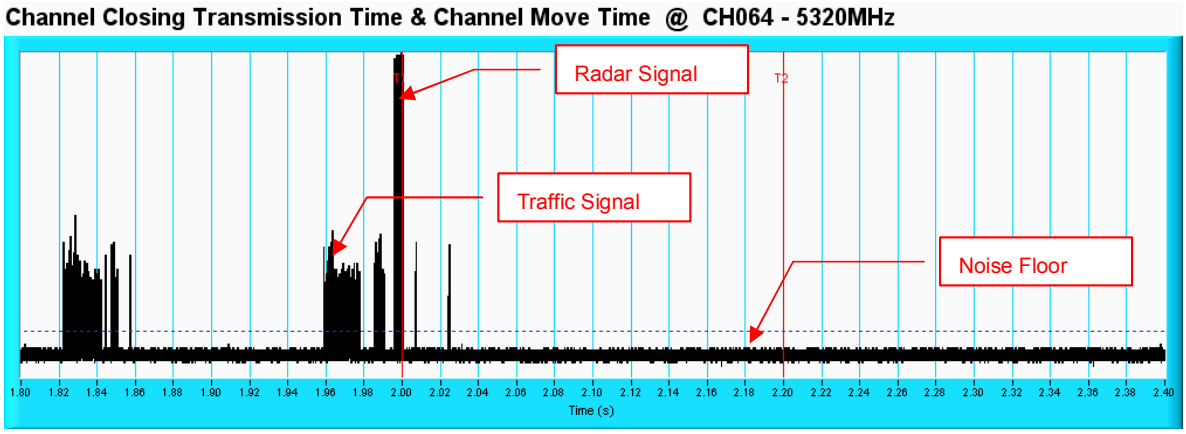


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 4

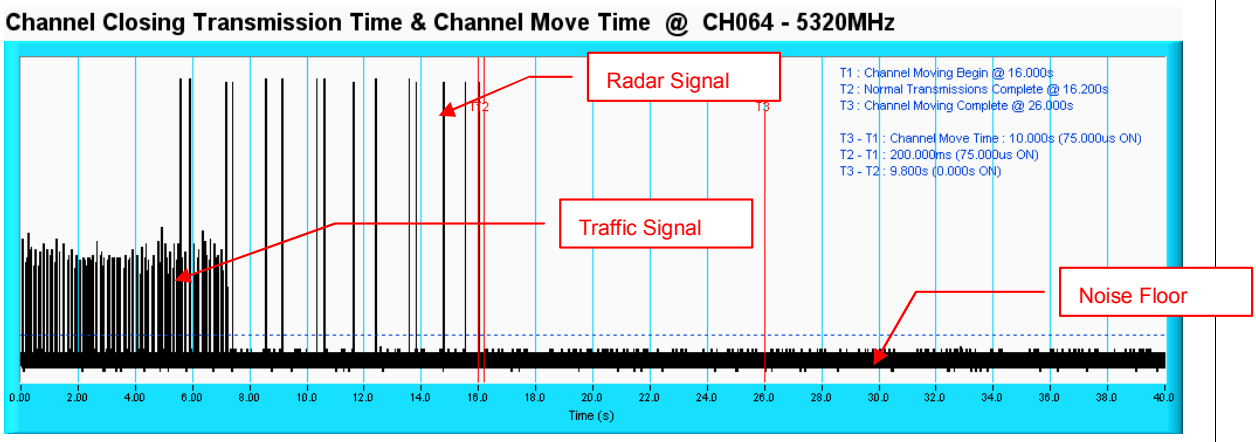


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



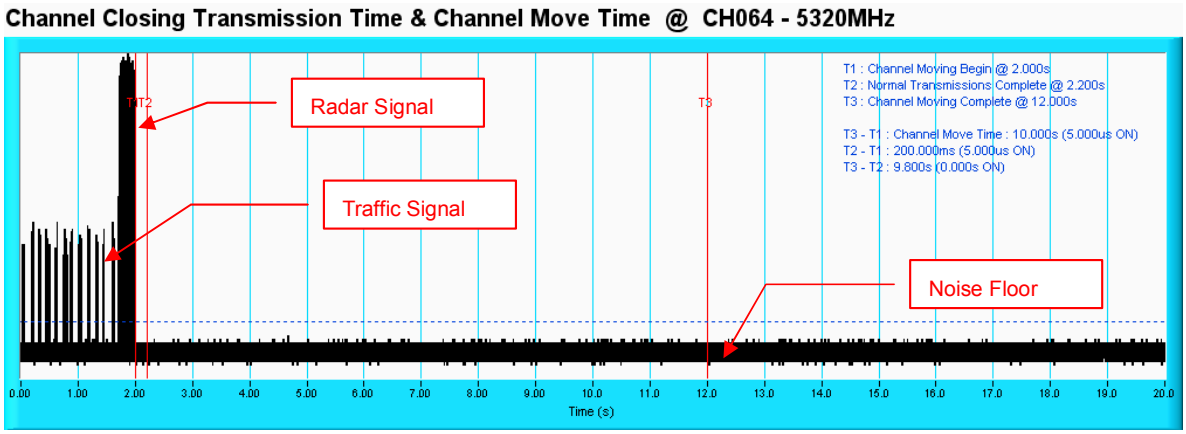
NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 5

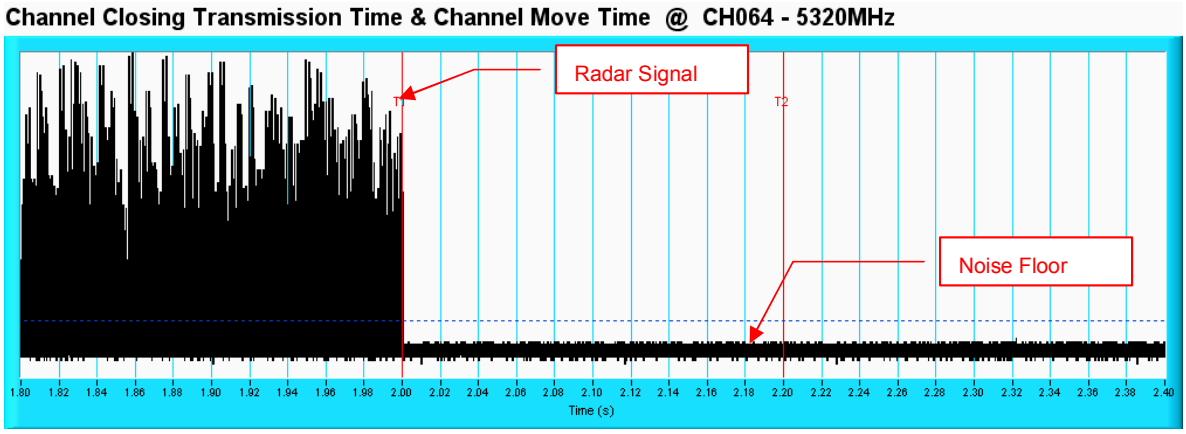


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Radar signal 6



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 10 second from T1 to observe the aggregate duration of transmissions.



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	No
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 96.7 %

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	23	3.8u	176.0u	Yes
2	26	2.3u	154.0u	Yes
3	24	2.1u	227.0u	Yes
4	25	2.0u	221.0u	Yes
5	23	2.0u	203.0u	Yes
6	28	2.4u	215.0u	Yes
7	24	1.9u	219.0u	Yes
8	24	3.2u	204.0u	Yes
9	28	3.7u	173.0u	Yes
10	26	4.4u	197.0u	Yes
11	25	1.3u	207.0u	Yes
12	27	5.0u	156.0u	Yes
13	27	3.9u	215.0u	Yes
14	26	1.6u	207.0u	Yes
15	28	2.7u	158.0u	Yes
16	26	1.8u	226.0u	Yes
17	27	1.2u	224.0u	Yes
18	24	1.2u	153.0u	Yes
19	24	2.1u	181.0u	Yes
20	29	2.1u	198.0u	Yes
21	27	4.1u	154.0u	Yes
22	28	4.9u	152.0u	Yes
23	24	2.8u	169.0u	Yes
24	24	3.8u	214.0u	Yes
25	28	4.5u	229.0u	Yes
26	28	3.3u	225.0u	Yes
27	25	4.0u	211.0u	Yes
28	24	3.1u	200.0u	Yes
29	25	3.0u	161.0u	Yes
30	29	3.7u	169.0u	Yes
Detection Rate: 100.0 %				

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	6.7u	330.0u	Yes
2	18	9.7u	321.0u	Yes
3	16	6.3u	320.0u	Yes
4	18	9.0u	478.0u	Yes
5	17	6.4u	210.0u	Yes
6	16	9.5u	206.0u	Yes
7	18	8.4u	450.0u	Yes
8	18	7.3u	285.0u	Yes
9	17	7.9u	422.0u	No
10	18	6.1u	248.0u	Yes
11	18	7.4u	423.0u	Yes
12	17	9.7u	444.0u	Yes
13	18	7.6u	322.0u	Yes
14	17	9.7u	427.0u	Yes
15	16	9.6u	469.0u	Yes
16	17	6.4u	233.0u	No
17	17	7.0u	458.0u	Yes
18	18	7.3u	361.0u	Yes
19	17	7.6u	478.0u	Yes
20	16	9.9u	257.0u	Yes
21	18	9.9u	274.0u	Yes
22	17	8.1u	240.0u	Yes
23	17	7.4u	226.0u	Yes
24	17	8.1u	403.0u	Yes
25	16	6.3u	462.0u	Yes
26	17	6.1u	264.0u	Yes
27	18	7.7u	421.0u	Yes
28	18	6.7u	368.0u	Yes
29	17	8.8u	268.0u	Yes
30	17	9.1u	335.0u	Yes
				Detection Rate: 93.3 %

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	19.3u	409.0u	Yes
2	13	13.7u	422.0u	Yes
3	14	12.4u	269.0u	Yes
4	15	14.1u	427.0u	Yes
5	14	13.7u	363.0u	Yes
6	13	17.6u	386.0u	Yes
7	14	14.3u	397.0u	Yes
8	14	16.7u	215.0u	Yes
9	13	19.8u	356.0u	No
10	14	19.9u	454.0u	Yes
11	13	13.8u	351.0u	Yes
12	15	17.3u	406.0u	Yes
13	13	13.0u	350.0u	Yes
14	12	19.4u	262.0u	Yes
15	12	16.8u	271.0u	Yes
16	15	15.6u	470.0u	Yes
17	14	12.7u	367.0u	Yes
18	15	15.2u	281.0u	Yes
19	13	14.2u	366.0u	Yes
20	13	14.1u	408.0u	Yes
21	14	15.4u	297.0u	Yes
22	14	18.4u	380.0u	Yes
23	16	17.1u	220.0u	Yes
24	15	12.2u	483.0u	No
25	16	11.7u	496.0u	Yes
26	15	12.8u	500.0u	Yes
27	15	12.5u	414.0u	Yes
28	12	15.0u	314.0u	Yes
29	14	14.4u	328.0u	Yes
30	12	12.9u	417.0u	Yes
				Detection Rate: 93.3 %

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	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	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 100.0 %

The Long Pulse Radar pattern shown in Annex B.1

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	No
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	No
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 93.3 %

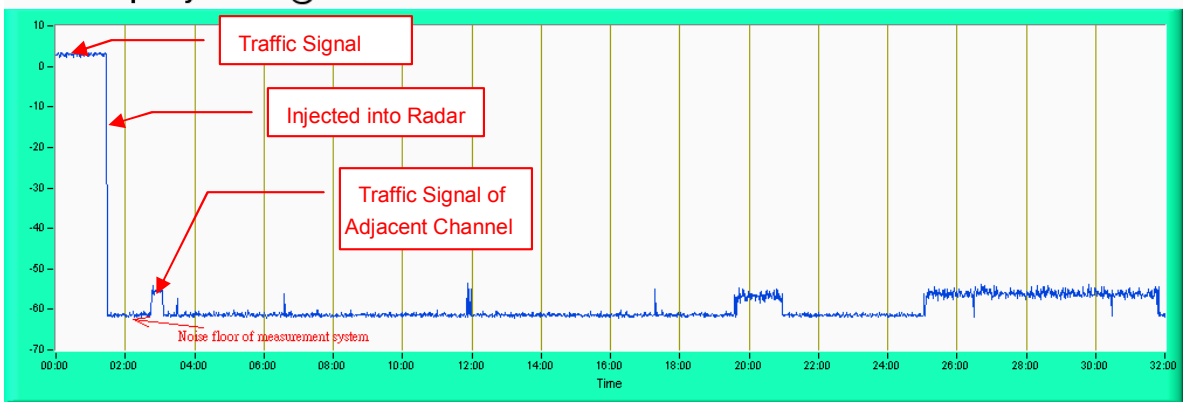
Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	Yes
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	Yes
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	No
10	HOP_FREQ_SEQ_10	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	Yes
25	HOP_FREQ_SEQ_25	Yes
26	HOP_FREQ_SEQ_26	Yes
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	Yes
		Detection Rate: 93.3 %

The Frequency Hopping Radar pattern shown in Annex B.2

5.2.1.4 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.

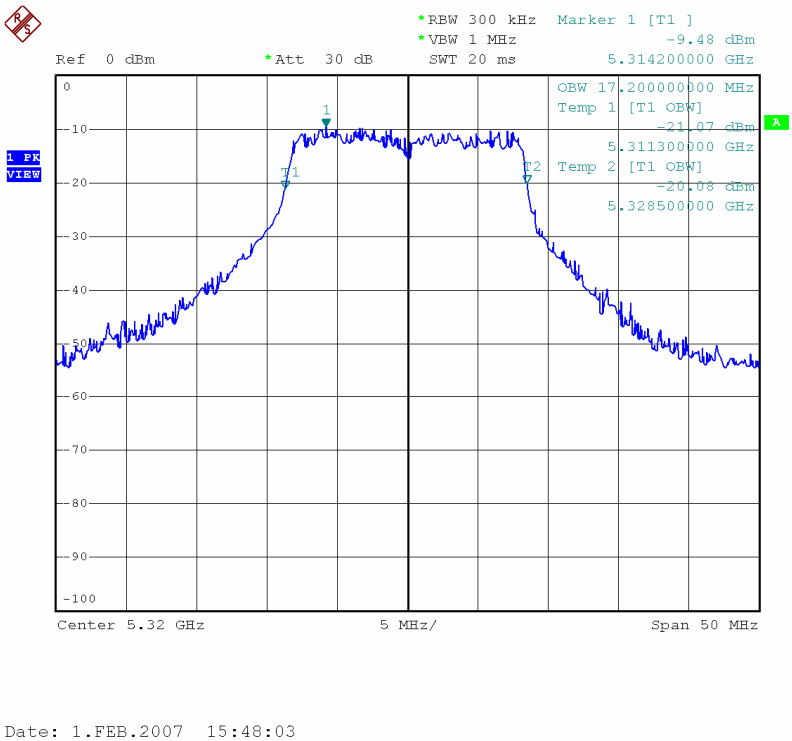
Non - Occupancy Period @ CH064 - 5320MHz



5.2.1.5 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 out of the 19 channels, 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.

5.2.1.6 U-NII DETECTION BANDWIDTH



U-NII 99% Channel bandwidth

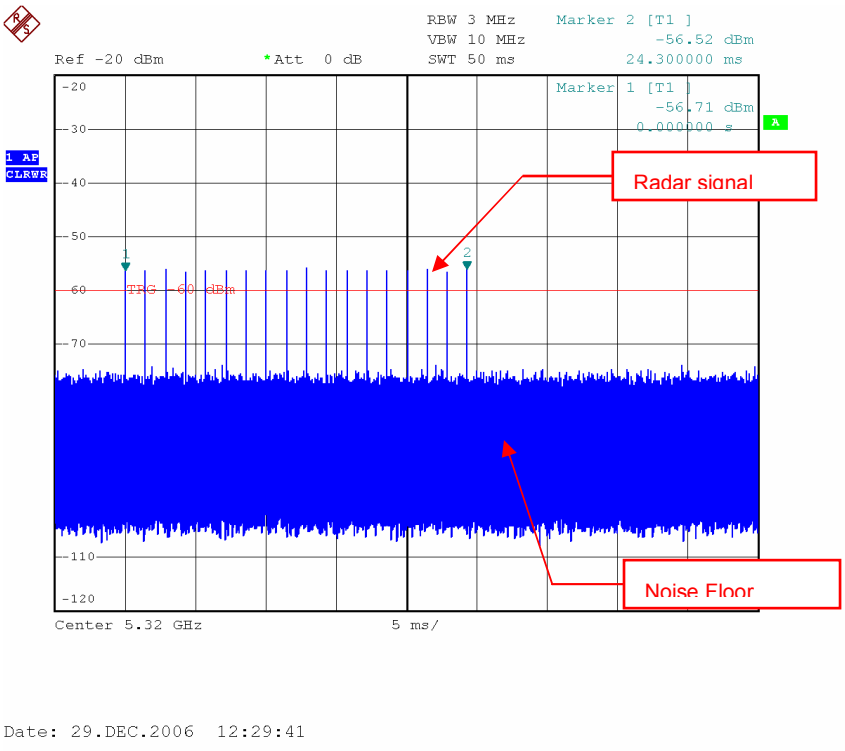
Detection Bandwidth Test											
EUT Frequency: 5.320GHz EUT 99% Power bandwidth: 17.20MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 13.76MHz Detection Bandwidth (FH - FL): 14.00MHz Test Result : PASS											
Radar	Trial Number / Detection										Detection
Frequency (Hz)	1	2	3	4	5	6	7	8	9	10	Rate (%)
5.310G	No	Yes	No	No	Yes	No	No	No	Yes	No	30
5.311G	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	90
5.312G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.313G (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.314G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.315G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.316G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.317G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.318G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.319G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.320G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.321G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.322G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.323G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.324G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.325G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.326G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.327G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.328G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.329G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.330G	Yes	Yes	No	No	Yes	No	No	Yes	No	No	40

5.2.2 THE UUT IS A U-NII DEVICE OPERATING IN CLIENT WITH RADAR DETECTION MODE

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

5.2.2.1 DFS DETECTION THRESHOLD

For a detection threshold level of –64dBm and the Master antenna gain is 8dBi. The Required detection threshold is -55dBm (= -64 +1+8)dBm. The conducted radar burst level is set to -56dBm. The tested level is lower than required level hence it provides margin to the limit.



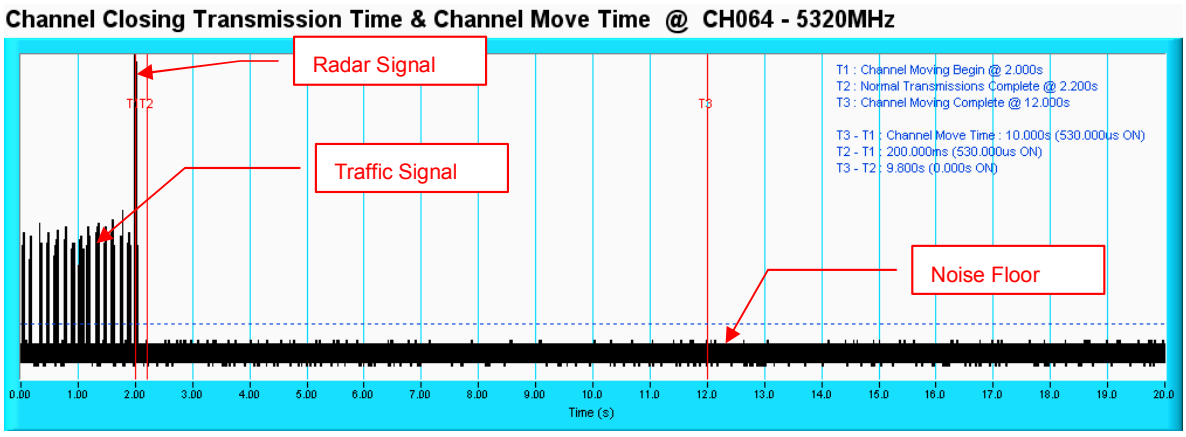
Radar Signal 1

5.2.2.2 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

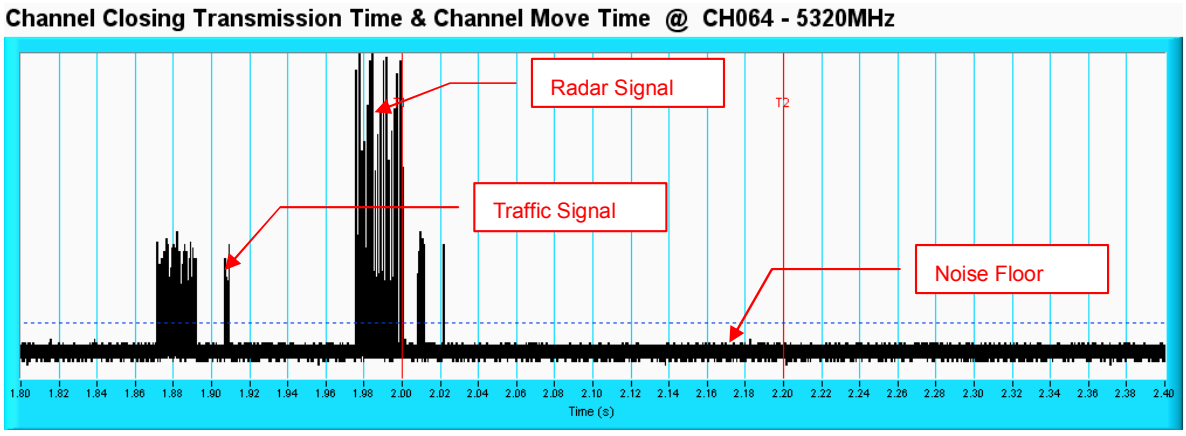
Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100

Radar signal 1



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 10 second from T1 to observe the aggregate duration of transmissions.



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

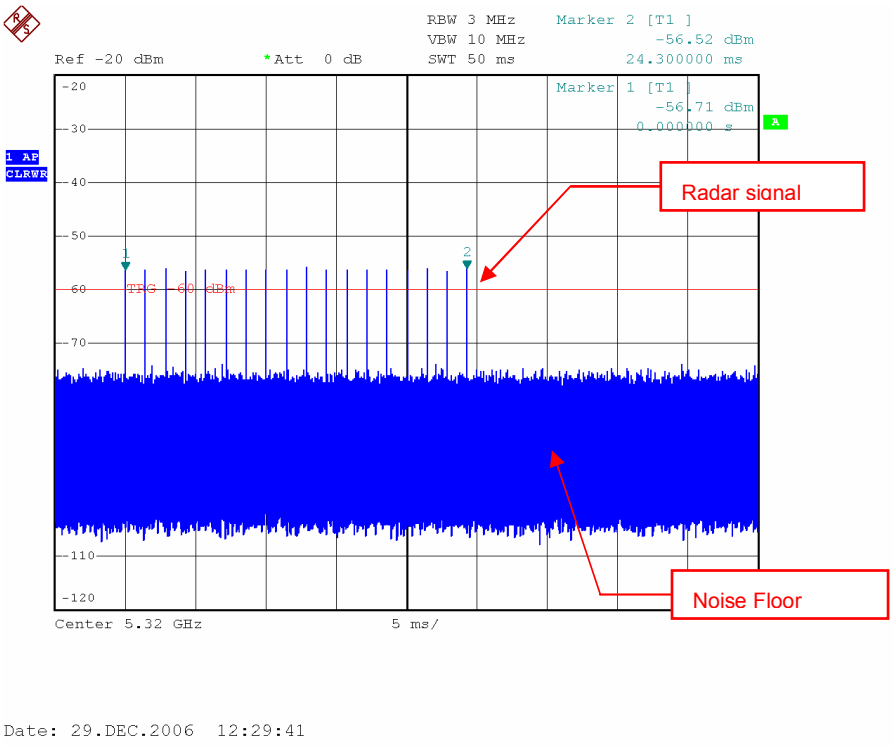
Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 100 %

5.2.3 THE UUT IS A U-NII DEVICE OPERATING IN CLIENT WITH RADAR DETECTION MODE

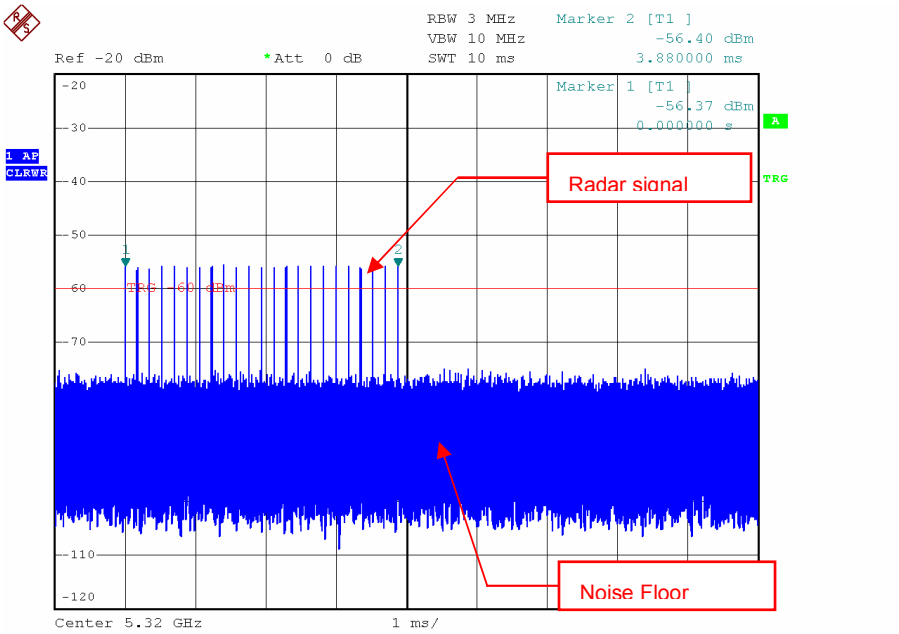
Client with injection at the Client. (Radar Test Waveforms are injected into the Client.)

5.2.3.1 DFS DETECTION THRESHOLD TIME

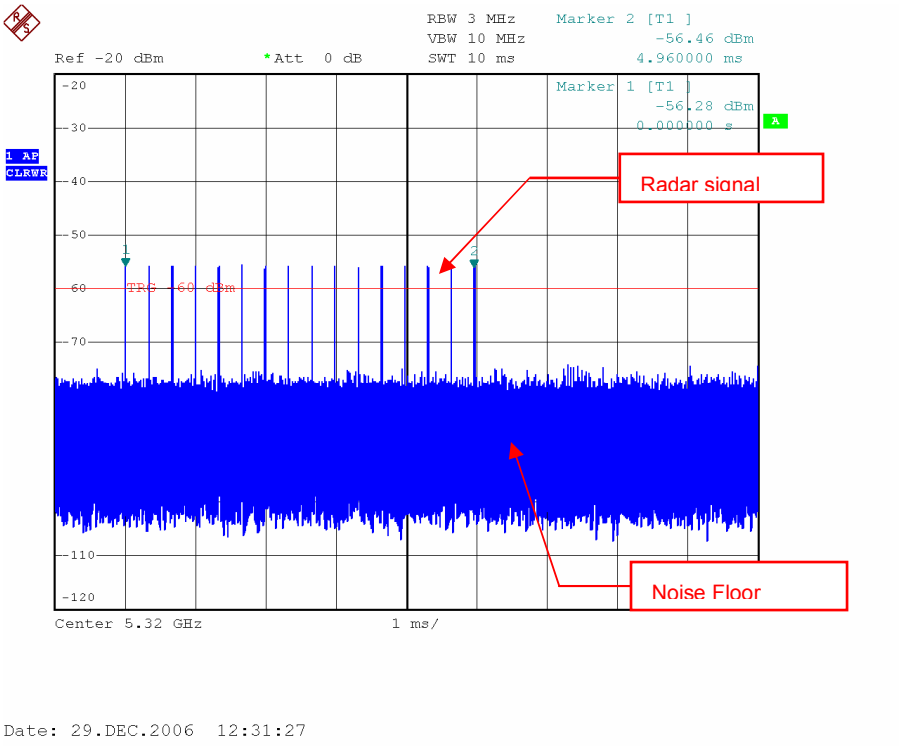
For a detection threshold level of –64dBm and the Master antenna gain is 8dBi. The Required detection threshold is -55dBm (= -64 +1+8)dBm. The conducted radar burst level is set to -56dBm. The tested level is lower than required level hence it provides margin to the limit.



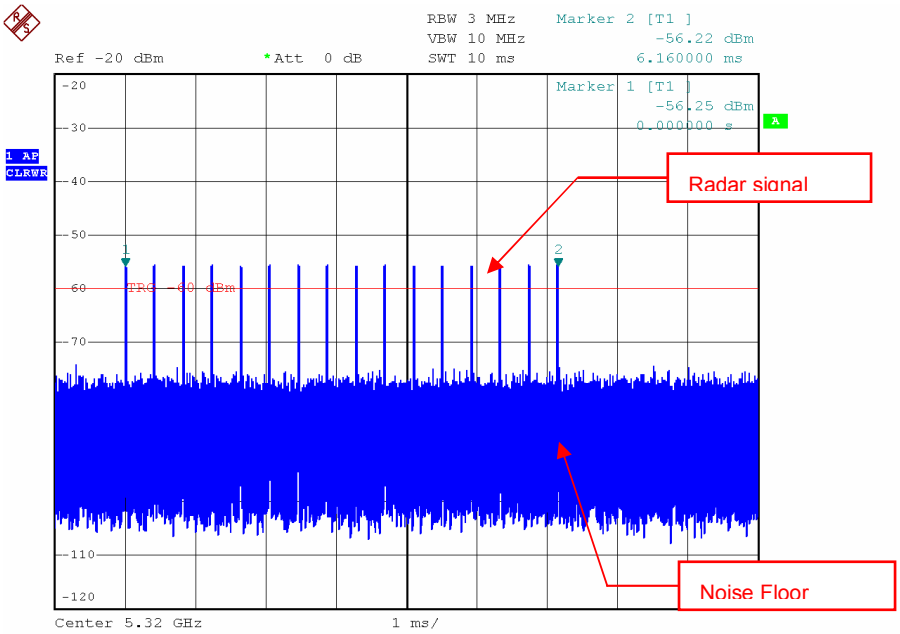
Radar Signal 1



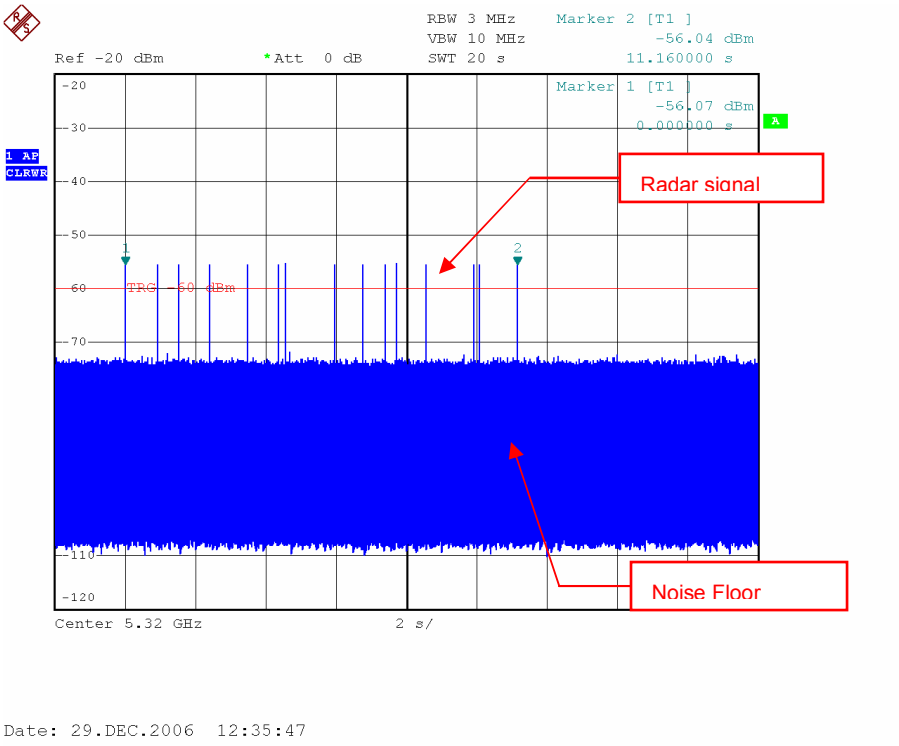
Radar Signal 2



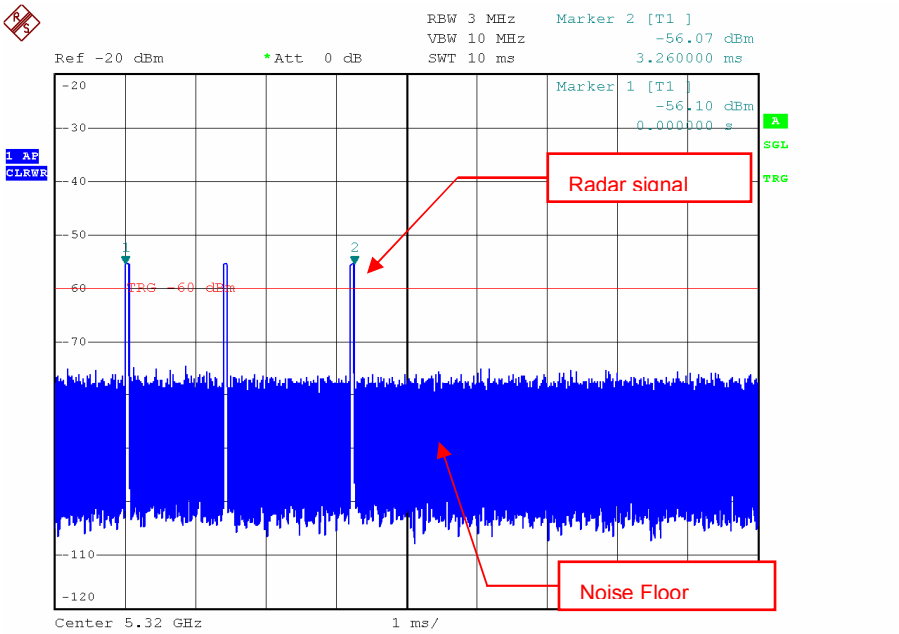
Radar Signal 3



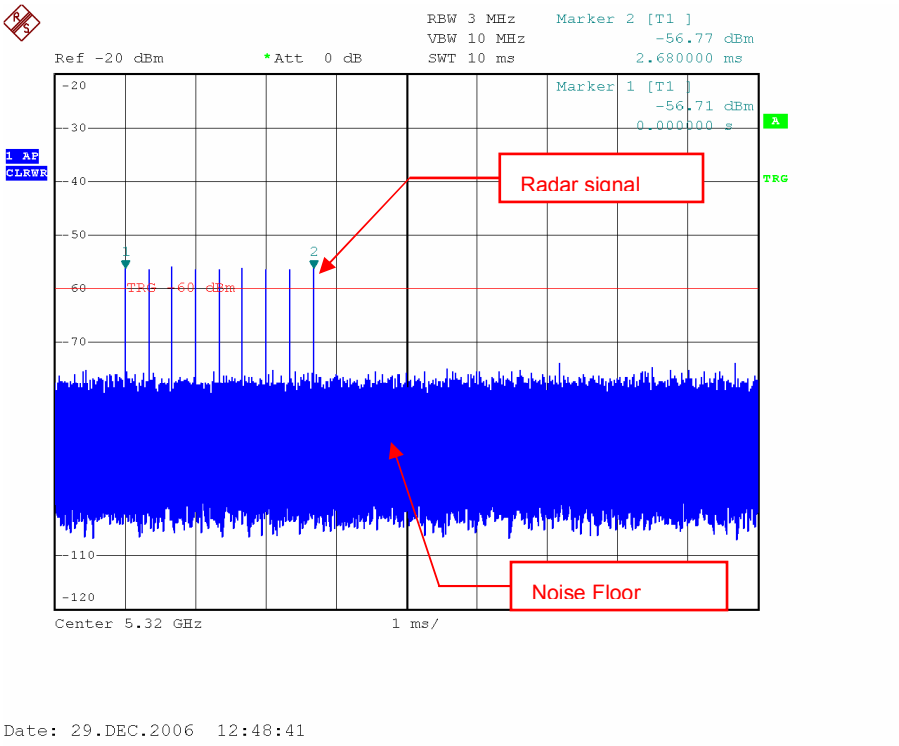
Radar Signal 4



Radar Signal 5



Single Burst of Radar Signal 5



Radar Signal 6

5.2.3.2 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	96.7
2	1-5	150-230	23-29	30	80
3	6-10	200-500	16-18	30	90
4	11-20	200-500	12-16	30	96.7
Aggregate (Radar Types 1-4)				120	90.85

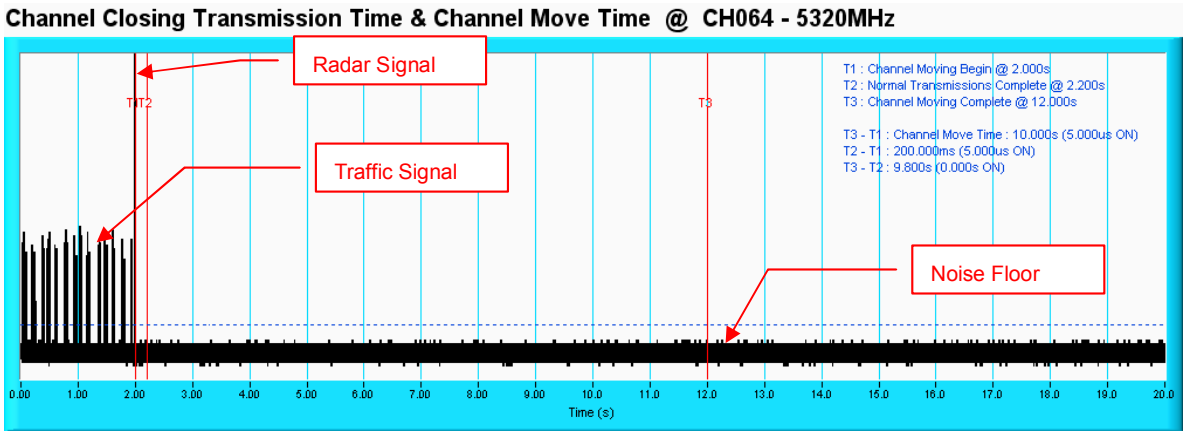
Table 2: Long Pulse Radar Test Waveform

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

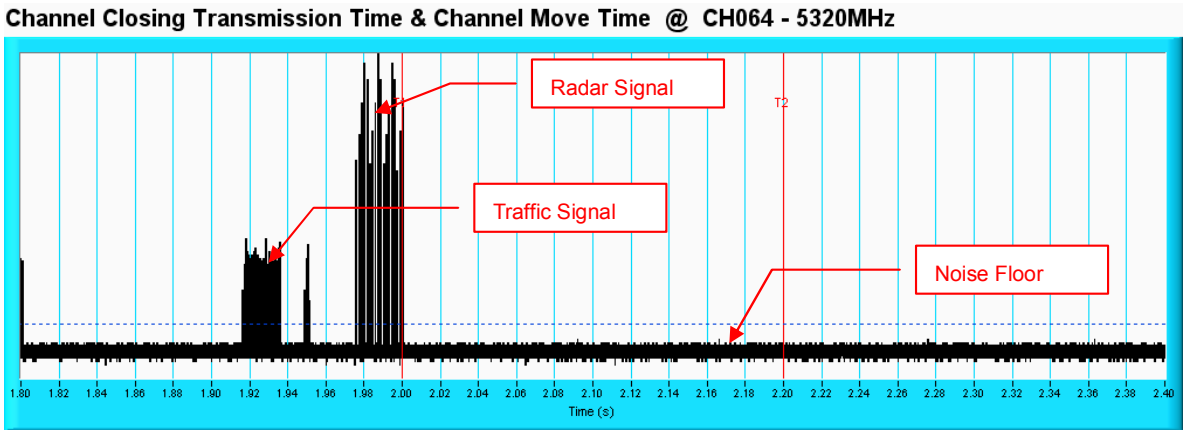
Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	96.7

Radar signal 1

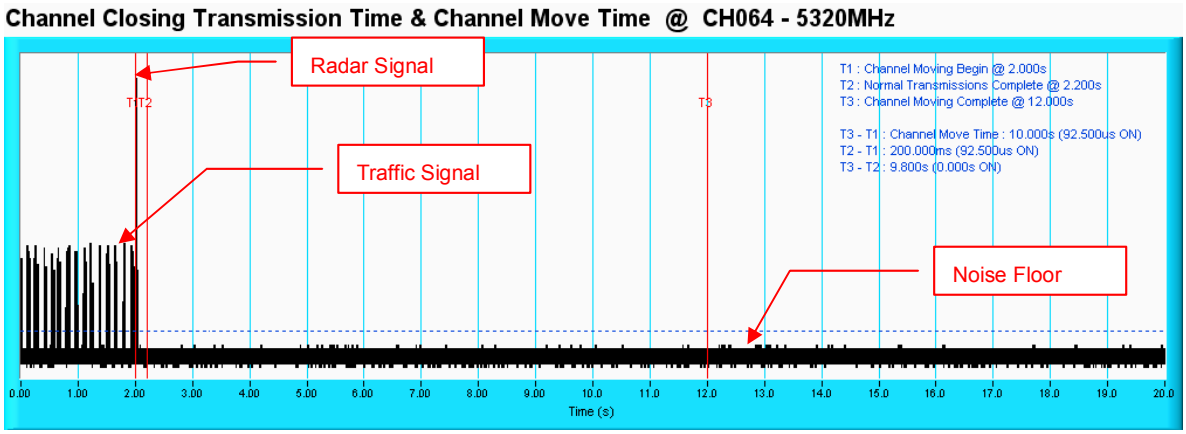


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

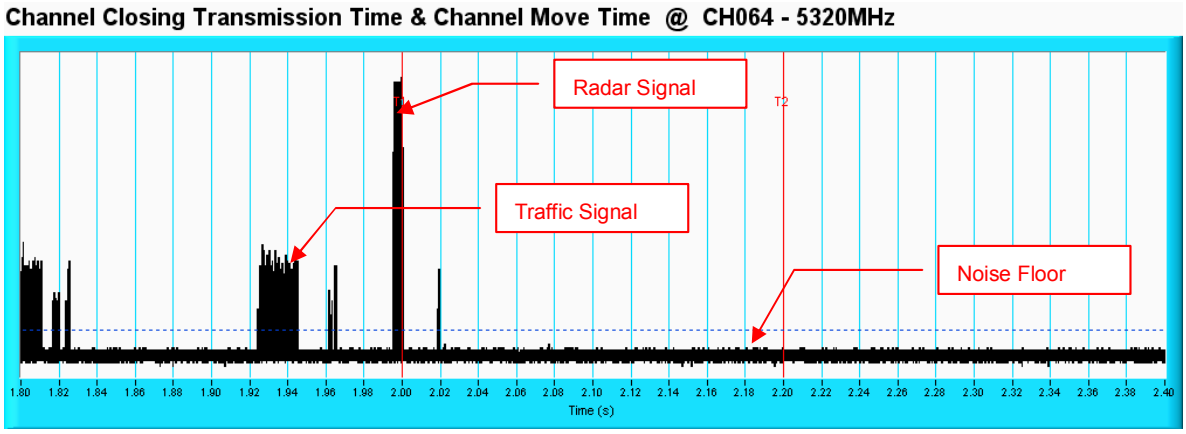


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 2

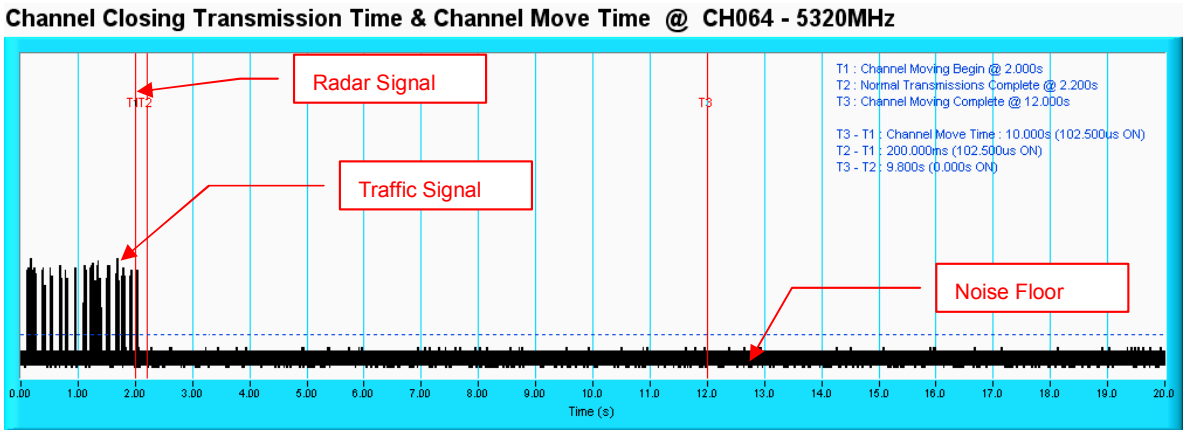


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

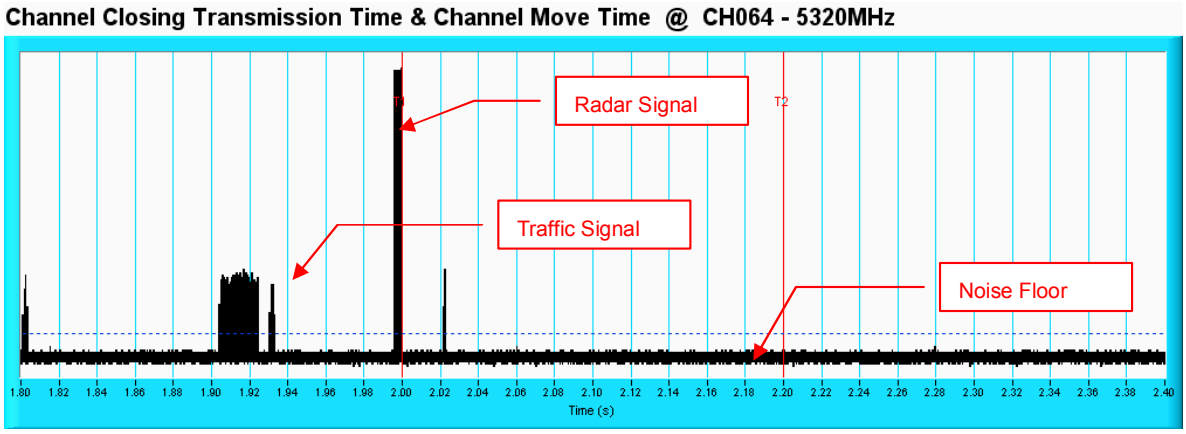


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 3

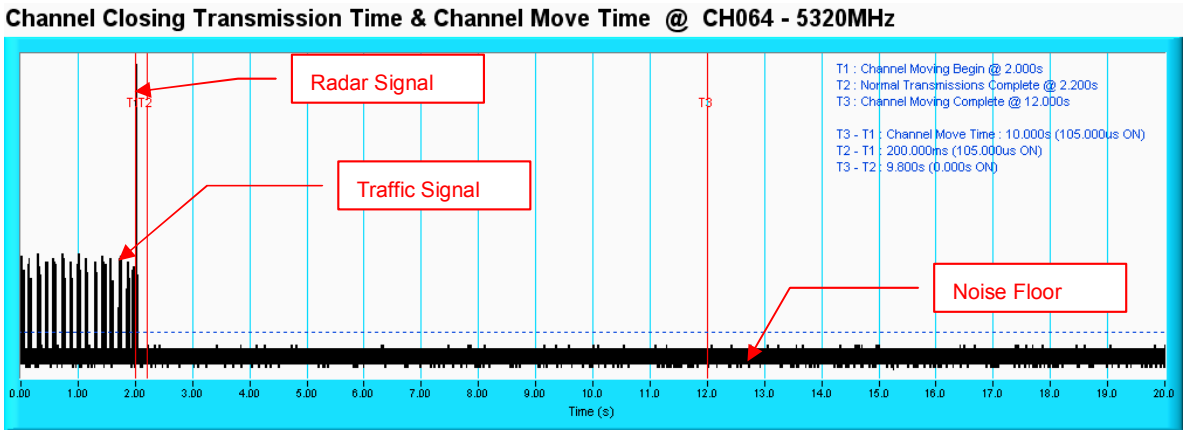


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

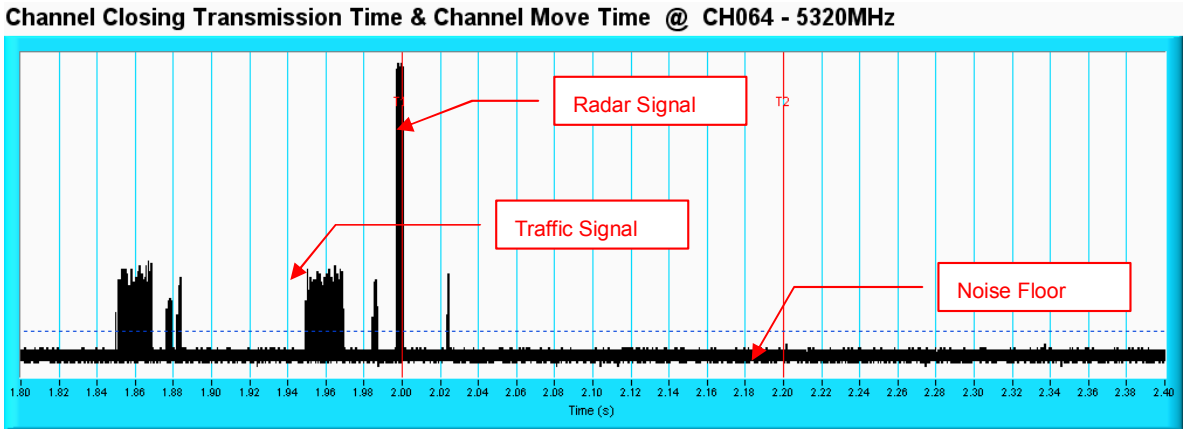


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 4

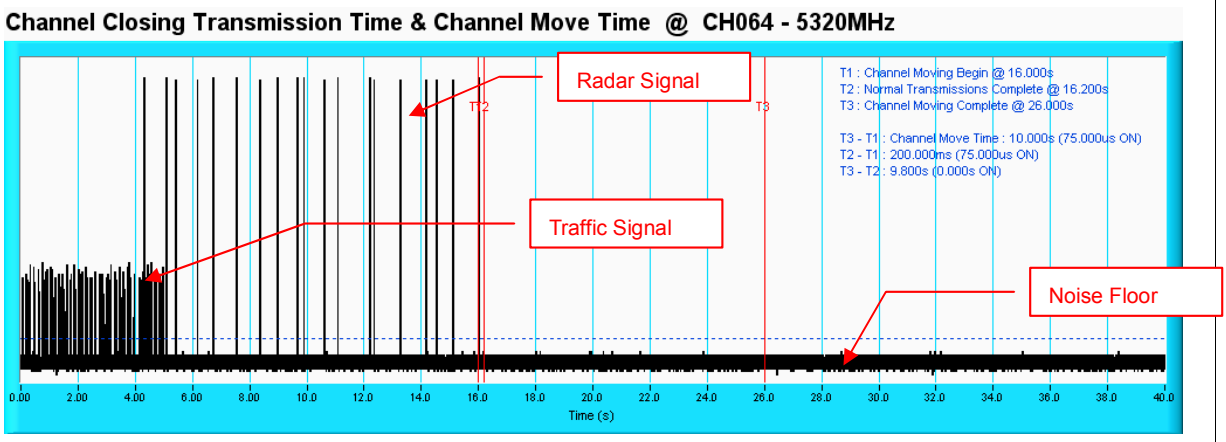


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



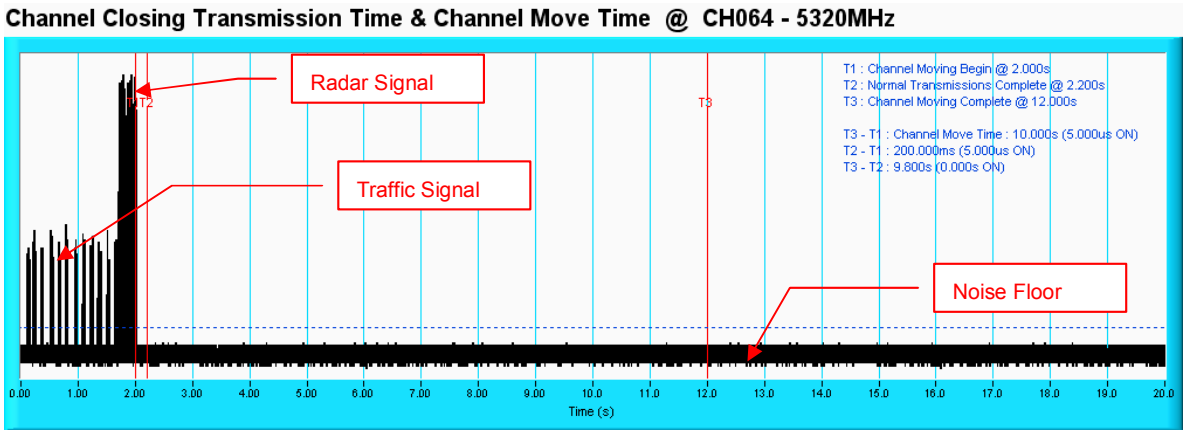
NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Radar signal 5

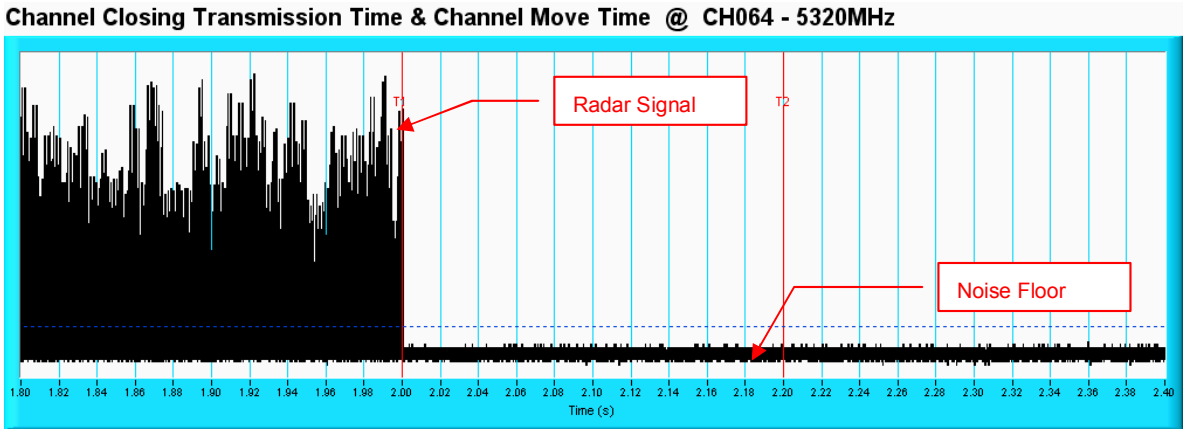


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Radar signal 6



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 10 second from T1 to observe the aggregate duration of transmissions.



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	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	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 96.7 %

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	26	3.6u	163.0u	Yes
2	28	4.9u	174.0u	Yes
3	23	3.4u	171.0u	No
4	26	3.1u	214.0u	Yes
5	27	2.5u	185.0u	Yes
6	27	4.6u	219.0u	No
7	25	4.1u	152.0u	Yes
8	24	2.8u	217.0u	Yes
9	26	2.9u	185.0u	Yes
10	24	2.2u	163.0u	Yes
11	28	2.6u	166.0u	Yes
12	27	3.9u	173.0u	Yes
13	28	1.1u	208.0u	Yes
14	25	4.6u	161.0u	No
15	24	3.4u	198.0u	No
16	26	3.5u	164.0u	Yes
17	25	2.6u	205.0u	Yes
18	27	4.5u	169.0u	Yes
19	26	1.2u	227.0u	Yes
20	26	1.5u	161.0u	Yes
21	25	3.8u	157.0u	Yes
22	29	4.1u	205.0u	Yes
23	25	1.7u	151.0u	Yes
24	28	2.6u	212.0u	Yes
25	26	4.3u	164.0u	No
26	27	2.2u	153.0u	Yes
27	27	4.2u	171.0u	Yes
28	24	1.4u	170.0u	No
29	28	1.3u	228.0u	Yes
30	27	2.5u	176.0u	Yes
				Detection Rate: 80.0 %

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	7.7u	386.0u	Yes
2	17	9.0u	291.0u	Yes
3	17	7.9u	439.0u	Yes
4	17	7.7u	389.0u	Yes
5	17	9.6u	348.0u	Yes
6	17	9.7u	447.0u	Yes
7	17	9.1u	428.0u	Yes
8	16	7.8u	317.0u	Yes
9	16	7.6u	347.0u	Yes
10	17	9.8u	285.0u	Yes
11	16	7.9u	471.0u	Yes
12	17	8.2u	355.0u	Yes
13	18	9.6u	322.0u	Yes
14	17	9.6u	212.0u	No
15	18	6.4u	389.0u	Yes
16	17	7.9u	359.0u	Yes
17	18	8.0u	233.0u	Yes
18	17	7.2u	473.0u	No
19	16	7.0u	272.0u	Yes
20	18	7.0u	250.0u	Yes
21	18	7.5u	400.0u	Yes
22	16	7.5u	343.0u	Yes
23	17	6.4u	227.0u	Yes
24	17	6.9u	277.0u	No
25	17	7.2u	381.0u	Yes
26	17	9.8u	325.0u	Yes
27	17	7.6u	419.0u	Yes
28	16	6.4u	353.0u	Yes
29	17	8.6u	387.0u	Yes
30	17	8.4u	222.0u	Yes
				Detection Rate: 90.0 %

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	14	15.2u	466.0u	Yes
2	15	16.5u	447.0u	Yes
3	15	17.8u	313.0u	Yes
4	16	18.5u	363.0u	Yes
5	12	15.7u	485.0u	Yes
6	13	14.1u	344.0u	Yes
7	13	13.9u	423.0u	Yes
8	14	16.9u	267.0u	No
9	13	11.8u	214.0u	Yes
10	15	16.5u	301.0u	Yes
11	15	17.5u	358.0u	Yes
12	15	14.3u	354.0u	Yes
13	14	18.4u	224.0u	Yes
14	14	17.3u	364.0u	Yes
15	14	19.3u	358.0u	Yes
16	14	13.4u	481.0u	Yes
17	13	15.4u	424.0u	Yes
18	12	17.6u	401.0u	Yes
19	12	11.9u	450.0u	Yes
20	15	17.0u	301.0u	Yes
21	15	18.8u	298.0u	Yes
22	13	11.6u	378.0u	Yes
23	16	13.0u	261.0u	Yes
24	14	12.9u	206.0u	Yes
25	15	19.6u	245.0u	Yes
26	15	11.9u	221.0u	Yes
27	14	19.7u	488.0u	Yes
28	13	17.8u	350.0u	Yes
29	15	19.7u	466.0u	Yes
30	13	13.9u	396.0u	Yes
				Detection Rate: 96.7 %

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LP_Signal_01	Yes
2	LP_Signal_02	Yes
3	LP_Signal_03	Yes
4	LP_Signal_04	Yes
5	LP_Signal_05	Yes
6	LP_Signal_06	Yes
7	LP_Signal_07	Yes
8	LP_Signal_08	Yes
9	LP_Signal_09	Yes
10	LP_Signal_10	Yes
11	LP_Signal_11	Yes
12	LP_Signal_12	Yes
13	LP_Signal_13	Yes
14	LP_Signal_14	Yes
15	LP_Signal_15	Yes
16	LP_Signal_16	Yes
17	LP_Signal_17	Yes
18	LP_Signal_18	Yes
19	LP_Signal_19	Yes
20	LP_Signal_20	Yes
21	LP_Signal_21	Yes
22	LP_Signal_22	Yes
23	LP_Signal_23	Yes
24	LP_Signal_24	Yes
25	LP_Signal_25	Yes
26	LP_Signal_26	Yes
27	LP_Signal_27	Yes
28	LP_Signal_28	Yes
29	LP_Signal_29	Yes
30	LP_Signal_30	Yes
		Detection Rate: 100.0 %

The Long Pulse Radar pattern shown in Annex B.3

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	No
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	No
				Detection Rate: 96.7 %

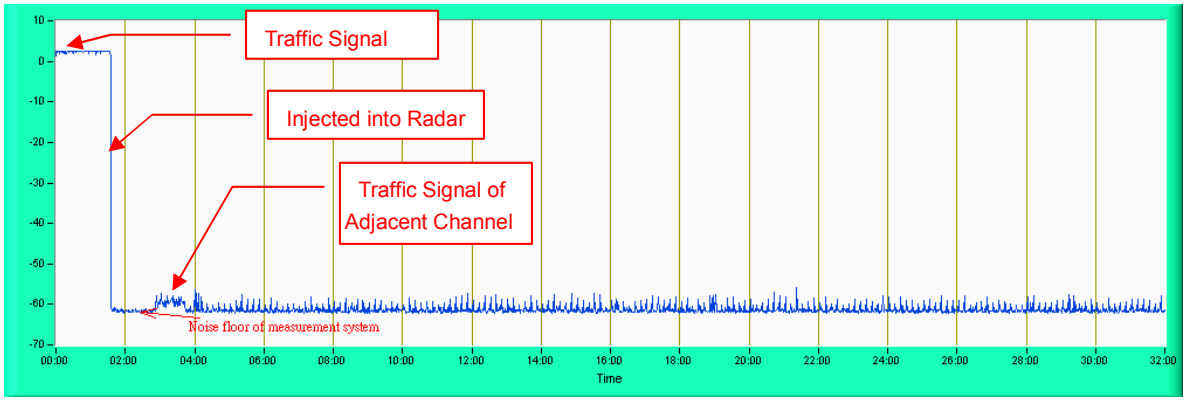
Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HOP_FREQ_SEQ_01	No
2	HOP_FREQ_SEQ_02	Yes
3	HOP_FREQ_SEQ_03	Yes
4	HOP_FREQ_SEQ_04	Yes
5	HOP_FREQ_SEQ_05	Yes
6	HOP_FREQ_SEQ_06	Yes
7	HOP_FREQ_SEQ_07	Yes
8	HOP_FREQ_SEQ_08	Yes
9	HOP_FREQ_SEQ_09	Yes
10	HOP_FREQ_SEQ_10	Yes
11	HOP_FREQ_SEQ_11	Yes
12	HOP_FREQ_SEQ_12	Yes
13	HOP_FREQ_SEQ_13	Yes
14	HOP_FREQ_SEQ_14	Yes
15	HOP_FREQ_SEQ_15	Yes
16	HOP_FREQ_SEQ_16	Yes
17	HOP_FREQ_SEQ_17	Yes
18	HOP_FREQ_SEQ_18	Yes
19	HOP_FREQ_SEQ_19	Yes
20	HOP_FREQ_SEQ_20	Yes
21	HOP_FREQ_SEQ_21	Yes
22	HOP_FREQ_SEQ_22	Yes
23	HOP_FREQ_SEQ_23	Yes
24	HOP_FREQ_SEQ_24	Yes
25	HOP_FREQ_SEQ_25	Yes
26	HOP_FREQ_SEQ_26	Yes
27	HOP_FREQ_SEQ_27	Yes
28	HOP_FREQ_SEQ_28	Yes
29	HOP_FREQ_SEQ_29	Yes
30	HOP_FREQ_SEQ_30	No
		Detection Rate: 96.7 %

The Frequency Hopping Radar pattern shown in Annex B.4

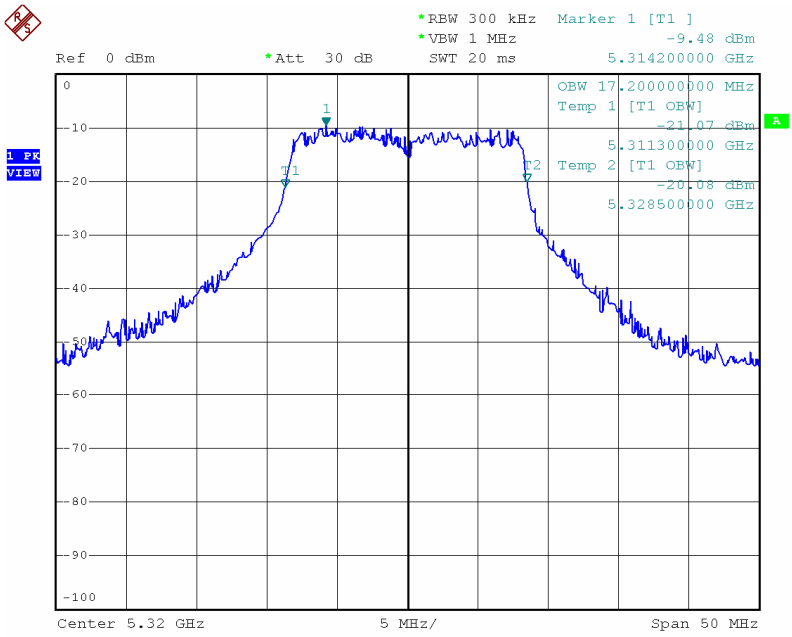
5.2.3.3 NON- OCCUPANCY PERIOD

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.

Non - Occupancy Period @ CH064 - 5320MHz



5.2.3.3 U-NII DETECTION BANDWIDTH



U-NII 99% Channel bandwidth

Detection Bandwidth Test											
EUT Frequency: 5.320GHz EUT 99% Power bandwidth: 17.20MHz Detection bandwidth limit (80% of EUT 99% Power bandwidth): 13.76MHz Detection Bandwidth (FH - FL): 14.00MHz Test Result : PASS											
Radar Frequency (Hz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5.310G	No	No	Yes	No	No	No	No	No	No	No	10
5.311G	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	90
5.312G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.313G (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.314G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.315G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.316G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.317G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.318G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.319G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.320G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.321G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.322G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.323G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.324G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.325G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.326G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.327G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.328G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.329G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.330G	No	No	No	No	No	Yes	No	No	Yes	No	20

5.3 TRANSMIT POWER CONTROL (TPC)

The UUT can adjust a transmitter's output power based on the signal level present at the receiver.

TPC is controlled by software and the user may adjust the Transmit Power level from web interface that may adjust the transmit power among -3dB, -6dB, -9dB & -12dB from web manually when the power needs to be increased or decreased.

The interface is for WLAN bridge purpose that is installed fixedly, so we implement manual TPC instead of automatic TPC on the product.

6 ANTENNA REQUIREMENT

6.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
And according to FCC 47 CFR Section 15.407(a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

6.2 ANTENNA CONNECTED CONSTRUCTION

The antennas used in this product are as following:

No.	Model No.	Gain (dBi)	Antenna Type	Antenna Connector
1	ANT05535	17.0dBi	Directional, Patch Panel (Internal Antenna)	Probe Pin
A	1GP-51809	9.0dBi	Dipole, Omni (External Antenna)	N female(Plug)

7 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., 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, UL, A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, NCC
Netherlands	Telefication
Singapore	PSB , GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26051924

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

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

Web Site: www.adt.com.tw

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

APPENDIX-A

MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

APPENDIX-B

RADAR TEST SIGNAL

B.1 The Long Pulse Radar Pattern

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_01 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	13M	78.5u	1.489m	-	199.7m
2	2	11M	93.5u	1.264m	-	743.0m
3	3	18M	53.9u	1.455m	1.031m	998.0m
4	2	17M	95.0u	1.808m	-	542.3m
5	3	16M	52.0u	1.803m	1.727m	177.4m
6	1	13M	59.9u	-	-	540.0m
7	2	9M	92.2u	1.376m	-	878.3m
8	3	19M	54.2u	1.304m	1.067m	550.2m
9	3	12M	71.9u	946.1u	1.479m	29.57m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_02 Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	96.0u	1.897m	-	205.0m
2	2	11M	65.7u	1.913m	-	630.0m
3	3	18M	71.5u	996.5u	1.896m	558.6m
4	1	10M	65.1u	-	-	82.80m
5	2	13M	83.3u	1.226m	-	444.7m
6	3	14M	95.4u	1.684m	1.166m	521.9m
7	3	15M	91.7u	985.3u	1.719m	184.7m
8	2	16M	88.5u	1.190m	-	274.5m
9	3	7M	64.0u	1.529m	1.465m	401.8m
10	2	17M	78.8u	1.505m	-	176.9m
11	2	11M	51.8u	1.701m	-	620.0m
12	2	16M	82.9u	1.698m	-	76.78m
13	1	16M	68.0u	-	-	113.0m
14	2	17M	65.1u	945.9u	-	30.02m
15	2	7M	54.5u	1.238m	-	530.8m
16	3	8M	65.7u	1.399m	1.350m	499.1m
17	2	12M	74.1u	1.074m	-	302.2m
18	3	7M	70.5u	1.349m	1.375m	177.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	67.0u	-	-	585.3m
2	1	19M	61.5u	-	-	1.916m
3	2	14M	69.3u	1.804m	-	555.7m
4	2	10M	81.5u	1.757m	-	303.4m
5	2	19M	68.5u	1.888m	-	100.1m
6	3	17M	94.4u	1.115m	955.6u	292.2m
7	2	12M	77.0u	1.509m	-	203.2m
8	3	15M	67.8u	1.112m	1.484m	570.7m
9	2	18M	80.7u	1.343m	-	213.0m
10	2	16M	73.6u	967.4u	-	105.1m
11	3	19M	67.1u	1.592m	1.378m	196.7m
12	3	11M	61.7u	1.113m	1.680m	386.1m
13	1	16M	70.9u	-	-	550.4m
14	2	19M	75.3u	1.038m	-	136.8m
15	1	17M	73.0u	-	-	49.23m
16	2	19M	92.6u	1.053m	-	563.6m
17	3	16M	77.9u	962.1u	1.445m	515.7m
18	3	17M	94.0u	917.0u	1.571m	368.4m
19	2	6M	84.6u	1.883m	-	549.9m
20	2	8M	72.8u	961.2u	-	26.86m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
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	19M	99.5u	1.337m	1.732m	633.7m
2	3	8M	53.6u	1.002m	1.637m	367.0m
3	1	12M	85.3u	-	-	789.9m
4	2	12M	91.9u	1.701m	-	127.1m
5	3	12M	75.1u	1.313m	1.605m	531.8m
6	2	15M	51.2u	1.260m	-	201.7m
7	1	9M	71.4u	-	-	300.3m
8	1	14M	90.6u	-	-	659.4m
9	3	19M	56.7u	1.131m	1.409m	771.3m
10	1	10M	83.6u	-	-	278.5m
11	3	13M	56.5u	1.200m	1.451m	319.5m
12	1	19M	81.1u	-	-	32.35m
13	2	7M	86.4u	1.825m	-	390.2m
14	2	16M	69.8u	1.846m	-	572.0m
15	2	5M	68.7u	960.3u	-	358.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_05
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	14M	72.7u	1.614m	1.049m	443.1m
2	1	13M	63.2u	-	-	803.0m
3	2	15M	55.4u	1.365m	-	726.4m
4	1	9M	88.1u	-	-	600.7m
5	2	9M	87.6u	1.286m	-	944.8m
6	1	7M	59.1u	-	-	386.1m
7	3	6M	51.7u	1.538m	1.330m	819.6m
8	3	17M	89.1u	1.070m	1.878m	334.5m
9	3	6M	96.7u	1.332m	932.3u	867.6m
10	2	12M	72.4u	942.6u	-	977.5m
11	2	18M	96.6u	1.238m	-	505.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_06
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	78.6u	1.512m	-	119.6m
2	2	16M	83.8u	1.008m	-	303.4m
3	2	6M	84.4u	1.538m	-	843.7m
4	1	11M	99.3u	-	-	816.7m
5	2	7M	81.2u	1.799m	-	501.2m
6	2	12M	57.8u	1.300m	-	700.6m
7	1	11M	87.6u	-	-	92.17m
8	1	10M	60.6u	-	-	579.1m
9	2	7M	78.7u	1.685m	-	569.0m
10	1	16M	68.3u	-	-	726.5m
11	2	19M	95.5u	1.452m	-	515.6m
12	2	13M	90.2u	1.517m	-	441.5m
13	2	12M	61.2u	1.027m	-	212.8m
14	3	17M	80.3u	1.645m	1.771m	403.4m

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	3	15M	57.1u	1.691m	1.739m	172.7m
2	3	6M	79.8u	1.148m	1.759m	522.8m
3	1	6M	88.6u	-	-	212.0m
4	2	11M	64.9u	1.124m	-	35.42m
5	3	15M	90.6u	1.313m	931.4u	626.3m
6	1	9M	88.7u	-	-	492.9m
7	2	19M	58.0u	1.921m	-	338.7m
8	1	17M	51.0u	-	-	701.8m
9	3	16M	91.3u	1.663m	1.695m	221.7m
10	3	11M	99.8u	1.440m	1.550m	314.8m
11	3	8M	80.7u	1.870m	1.650m	69.83m
12	1	10M	56.4u	-	-	27.15m
13	2	16M	67.0u	1.675m	-	63.61m
14	2	10M	76.6u	1.681m	-	24.20m
15	1	17M	76.2u	-	-	380.8m
16	2	7M	61.1u	956.9u	-	588.7m
17	3	5M	77.8u	1.452m	972.2u	225.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_08
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	18M	61.0u	1.817m	1.192m	288.8m
2	3	10M	83.0u	1.314m	1.507m	541.9m
3	2	8M	78.9u	1.275m	-	2.411m
4	3	5M	70.6u	1.790m	1.447m	281.3m
5	3	15M	83.0u	1.461m	1.021m	249.6m
6	1	6M	54.0u	-	-	404.9m
7	3	14M	52.8u	1.748m	1.814m	427.0m
8	2	6M	79.1u	1.633m	-	215.1m
9	2	6M	86.6u	1.570m	-	55.30m
10	3	5M	68.3u	1.393m	1.394m	586.2m
11	3	7M	51.8u	1.371m	1.506m	288.2m
12	3	15M	99.1u	906.9u	1.604m	366.1m
13	1	7M	53.2u	-	-	123.5m
14	2	18M	91.7u	1.709m	-	258.8m
15	2	11M	93.8u	1.358m	-	203.3m
16	2	19M	74.6u	1.103m	-	276.4m
17	1	12M	54.8u	-	-	473.1m
18	2	11M	91.9u	1.660m	-	523.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_09
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	57.9u	1.253m	-	1.061
2	2	9M	63.3u	1.321m	-	913.9m
3	3	13M	71.5u	1.603m	1.339m	850.3m
4	2	16M	82.8u	1.910m	-	124.9m
5	2	7M	56.5u	1.059m	-	336.1m
6	2	14M	62.0u	1.629m	-	473.1m
7	1	18M	88.1u	-	-	1.020
8	1	11M	90.1u	-	-	565.8m
9	2	9M	62.6u	1.357m	-	860.1m
10	3	10M	76.4u	1.627m	1.920m	649.5m
11	2	11M	53.6u	1.151m	-	732.5m

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	12M	80.6u	953.4u	-	364.3m
2	2	7M	66.9u	975.1u	-	461.5m
3	3	12M	92.3u	1.031m	990.7u	311.7m
4	2	8M	55.2u	1.568m	-	53.49m
5	3	16M	55.5u	1.557m	1.940m	169.6m
6	1	16M	85.0u	-	-	356.2m
7	1	5M	84.5u	-	-	57.61m
8	2	11M	92.5u	1.520m	-	388.3m
9	2	17M	72.9u	1.734m	-	654.1m
10	1	17M	97.8u	-	-	319.3m
11	1	9M	57.0u	-	-	148.9m
12	2	20M	60.3u	1.656m	-	242.8m
13	2	20M	55.2u	1.448m	-	325.3m
14	3	6M	80.3u	1.493m	1.762m	268.7m
15	3	11M	66.5u	1.094m	1.275m	418.0m
16	1	8M	84.4u	-	-	433.5m
17	3	5M	63.5u	1.086m	1.491m	402.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_11
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	5M	65.7u	-	-	87.47m
2	2	6M	84.7u	1.418m	-	206.5m
3	3	7M	83.8u	1.859m	1.678m	629.3m
4	2	10M	69.4u	1.516m	-	345.4m
5	3	5M	94.7u	1.359m	1.234m	592.5m
6	2	14M	69.1u	1.165m	-	467.9m
7	1	17M	63.6u	-	-	239.8m
8	2	7M	72.5u	1.832m	-	204.5m
9	2	17M	61.2u	1.805m	-	28.50m
10	2	10M	95.1u	1.448m	-	658.5m
11	2	14M	71.1u	1.111m	-	295.1m
12	3	19M	66.1u	1.549m	1.483m	127.4m
13	2	13M	88.4u	1.872m	-	592.2m
14	3	11M	74.2u	1.776m	1.848m	194.3m
15	1	11M	60.2u	-	-	557.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_12
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	60.6u	1.925m	-	937.1m
2	2	16M	64.3u	1.031m	-	156.7m
3	3	8M	80.7u	1.027m	1.295m	419.7m
4	2	14M	82.9u	1.022m	-	539.1m
5	3	8M	81.0u	1.379m	1.550m	419.5m
6	2	17M	97.8u	940.2u	-	202.0m
7	2	12M	72.4u	1.165m	-	105.0m
8	1	10M	65.2u	-	-	228.9m
9	1	7M	69.5u	-	-	510.4m
10	3	7M	94.3u	1.502m	1.391m	420.6m
11	3	8M	53.0u	1.470m	1.861m	104.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_13
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	80.0u	1.404m	-	568.9m
2	1	19M	89.7u	-	-	322.1m
3	2	19M	90.9u	1.483m	-	279.6m
4	1	12M	53.4u	-	-	170.9m
5	1	9M	94.5u	-	-	504.4m
6	2	7M	74.7u	1.576m	-	575.1m
7	2	12M	87.3u	1.656m	-	632.6m
8	1	8M	97.2u	-	-	563.9m
9	2	18M	52.1u	1.768m	-	184.0m
10	2	7M	95.6u	1.065m	-	936.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_14
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	96.5u	1.110m	1.144m	628.5m
2	2	7M	53.9u	1.816m	-	533.2m
3	2	15M	85.7u	1.328m	-	389.5m
4	2	9M	55.5u	1.107m	-	1.158
5	2	10M	94.7u	1.553m	-	350.1m
6	3	9M	51.0u	1.284m	1.603m	832.3m
7	1	14M	80.6u	-	-	314.0m
8	1	17M	83.0u	-	-	463.0m
9	2	5M	59.2u	1.280m	-	525.5m
10	2	19M	95.0u	1.466m	-	17.66m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_15
Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	59.6u	-	-	128.1m
2	2	10M	61.5u	988.5u	-	241.7m
3	2	16M	74.8u	1.831m	-	660.4m
4	2	15M	62.3u	1.061m	-	1.402
5	2	19M	88.9u	997.1u	-	236.3m
6	2	6M	79.3u	1.160m	-	1.259
7	2	13M	60.2u	1.334m	-	421.9m
8	3	11M	71.3u	1.403m	1.207m	311.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_16
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	99.9u	-	-	590.8m
2	2	18M	98.7u	1.834m	-	43.96m
3	1	16M	79.6u	-	-	655.8m
4	3	11M	68.2u	1.548m	1.265m	56.46m
5	2	16M	64.0u	1.675m	-	282.9m
6	3	9M	97.3u	1.581m	905.7u	511.6m
7	1	6M	99.0u	-	-	256.4m
8	2	14M	88.3u	1.796m	-	340.3m
9	2	9M	63.8u	1.304m	-	145.4m
10	3	10M	50.6u	1.087m	1.813m	333.5m
11	1	13M	61.8u	-	-	567.0m
12	2	20M	74.0u	1.015m	-	186.5m
13	2	17M	60.2u	1.363m	-	406.8m
14	2	18M	58.4u	941.6u	-	35.42m
15	2	13M	53.8u	1.191m	-	97.61m
16	2	8M	97.6u	1.117m	-	594.1m
17	2	18M	61.9u	1.289m	-	65.41m
18	2	10M	59.0u	1.180m	-	657.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_17
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	19M	76.7u	-	-	99.82m
2	1	15M	98.2u	-	-	711.6m
3	2	8M	76.0u	1.504m	-	560.9m
4	3	13M	59.5u	990.5u	1.066m	435.6m
5	3	10M	74.1u	1.152m	1.494m	692.9m
6	2	14M	94.8u	1.468m	-	626.3m
7	1	16M	84.9u	-	-	75.70m
8	2	7M	62.1u	963.9u	-	142.8m
9	3	9M	65.6u	1.135m	1.804m	160.9m
10	1	18M	62.4u	-	-	245.4m
11	1	13M	85.5u	-	-	208.6m
12	2	15M	78.2u	1.295m	-	354.7m
13	1	11M	78.6u	-	-	612.0m
14	2	17M	55.4u	1.026m	-	344.0m
15	3	19M	61.2u	1.400m	1.856m	195.3m
16	3	15M	69.5u	1.089m	1.214m	187.1m

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	20M	71.5u	1.887m	-	771.0m
2	1	19M	58.6u	-	-	340.0m
3	2	12M	76.7u	1.468m	-	616.8m
4	1	13M	95.8u	-	-	183.2m
5	1	11M	55.6u	-	-	71.47m
6	2	11M	94.4u	1.573m	-	22.61m
7	1	7M	80.5u	-	-	578.3m
8	2	12M	61.8u	1.765m	-	168.5m
9	2	8M	92.7u	1.904m	-	776.1m
10	2	13M	95.2u	1.579m	-	189.0m
11	1	17M	85.9u	-	-	771.7m
12	3	6M	85.4u	1.681m	1.048m	632.6m
13	2	12M	51.7u	1.697m	-	10.26m
14	3	10M	97.3u	1.256m	1.669m	558.8m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_19 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	11M	94.1u	1.106m	-	419.4m
2	1	7M	64.0u	-	-	1.300
3	1	18M	54.6u	-	-	52.35m
4	1	15M	76.9u	-	-	742.0m
5	2	19M	56.1u	1.207m	-	857.1m
6	2	8M	63.7u	1.521m	-	174.4m
7	3	16M	71.4u	1.779m	1.801m	312.6m
8	3	17M	53.5u	1.846m	1.641m	801.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_20
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	6M	71.6u	1.777m	-	585.4m
2	1	6M	91.8u	-	-	257.7m
3	2	8M	73.5u	1.024m	-	79.71m
4	3	14M	75.4u	1.913m	1.265m	221.6m
5	1	12M	86.9u	-	-	609.2m
6	3	7M	80.8u	1.453m	1.703m	7.793m
7	2	14M	60.5u	1.853m	-	243.3m
8	2	13M	62.0u	1.928m	-	243.2m
9	3	20M	81.2u	1.288m	1.794m	386.1m
10	2	11M	88.9u	1.700m	-	729.1m
11	3	15M	85.0u	1.602m	1.125m	357.9m
12	1	19M	58.4u	-	-	170.6m
13	2	12M	53.0u	1.930m	-	105.9m
14	2	16M	93.4u	1.450m	-	58.87m
15	3	10M	59.6u	1.241m	1.539m	363.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_21
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	10M	55.1u	1.298m	1.928m	370.2m
2	2	10M	93.5u	956.5u	-	327.0m
3	1	11M	89.5u	-	-	273.8m
4	2	12M	62.2u	1.246m	-	473.2m
5	3	15M	71.0u	1.203m	1.528m	654.6m
6	2	18M	79.3u	1.814m	-	422.1m
7	2	18M	57.1u	1.713m	-	297.8m
8	1	12M	76.1u	-	-	655.8m
9	2	13M	74.8u	1.630m	-	34.72m
10	2	8M	72.2u	1.195m	-	223.3m
11	2	18M	83.7u	1.582m	-	184.6m
12	1	19M	60.4u	-	-	468.9m
13	3	7M	94.9u	1.804m	1.662m	612.4m
14	2	16M	55.8u	1.679m	-	358.5m
15	2	13M	81.2u	1.461m	-	377.1m
16	1	12M	60.2u	-	-	203.3m
17	2	7M	87.0u	1.320m	-	423.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_22
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	66.2u	1.208m	1.237m	631.7m
2	2	7M	65.8u	1.899m	-	53.33m
3	3	12M	84.3u	1.005m	1.913m	24.60m
4	2	7M	69.7u	1.032m	-	89.66m
5	3	7M	78.8u	1.093m	1.735m	576.7m
6	3	12M	75.5u	1.280m	1.736m	662.0m
7	1	16M	61.4u	-	-	717.4m
8	2	18M	69.9u	1.358m	-	99.87m
9	2	15M	57.9u	1.304m	-	85.30m
10	3	14M	57.9u	1.614m	1.625m	486.5m
11	2	6M	77.4u	1.129m	-	495.7m
12	3	17M	50.3u	1.915m	1.296m	537.9m
13	1	7M	94.8u	-	-	161.4m
14	2	8M	72.1u	1.766m	-	106.6m
15	3	17M	64.4u	1.317m	1.208m	545.2m
16	2	8M	66.8u	1.768m	-	138.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_23
Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	86.6u	-	-	1.365
2	2	8M	51.8u	1.788m	-	178.8m
3	1	6M	63.6u	-	-	1.446
4	1	17M	55.7u	-	-	359.2m
5	2	16M	59.4u	1.391m	-	179.4m
6	2	16M	84.9u	1.003m	-	319.2m
7	1	18M	95.4u	-	-	133.4m
8	1	11M	86.8u	-	-	1.077

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_24
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	91.8u	1.831m	-	688.7m
2	2	15M	63.7u	1.216m	-	247.6m
3	2	15M	86.6u	1.129m	-	174.7m
4	1	5M	98.8u	-	-	870.1m
5	3	6M	79.3u	1.278m	1.087m	590.9m
6	2	8M	81.4u	1.430m	-	654.5m
7	2	15M	52.4u	1.503m	-	450.9m
8	1	18M	50.5u	-	-	670.0m
9	2	10M	64.8u	1.074m	-	853.4m
10	3	10M	57.8u	1.749m	1.826m	119.5m
11	2	8M	76.1u	1.080m	-	148.0m
12	1	7M	61.9u	-	-	35.18m
13	2	19M	60.2u	1.654m	-	76.58m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	94.2u	1.878m	-	350.4m
2	3	12M	95.9u	1.588m	912.1u	306.4m
3	3	6M	56.7u	1.456m	1.631m	155.1m
4	2	11M	61.2u	1.774m	-	110.3m
5	1	19M	64.3u	-	-	517.0m
6	2	11M	54.4u	1.861m	-	314.7m
7	2	15M	67.5u	1.259m	-	689.1m
8	1	10M	92.1u	-	-	3.251m
9	3	6M	97.7u	1.235m	1.846m	745.7m
10	2	8M	71.3u	1.496m	-	811.9m
11	2	9M	77.8u	1.121m	-	67.90m
12	3	18M	75.5u	1.564m	1.404m	791.9m
13	1	10M	51.6u	-	-	800.0m
14	3	10M	81.7u	1.735m	1.869m	421.5m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	14M	89.0u	1.513m	1.243m	107.8m
2	2	16M	80.2u	1.133m	-	229.0m
3	3	6M	71.9u	1.296m	1.222m	673.8m
4	1	14M	87.6u	-	-	708.4m
5	2	19M	60.4u	1.681m	-	21.36m
6	2	13M	63.0u	1.170m	-	123.5m
7	2	6M	83.7u	1.685m	-	273.9m
8	3	6M	61.4u	1.125m	1.349m	534.1m
9	2	14M	88.1u	924.9u	-	338.5m
10	1	14M	59.2u	-	-	580.1m
11	1	10M	62.5u	-	-	498.5m
12	3	11M	68.4u	1.082m	1.464m	546.3m
13	2	19M	96.7u	1.646m	-	306.9m
14	3	17M	55.9u	1.494m	1.717m	620.5m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	70.4u	1.896m	1.336m	28.18m
2	3	14M	50.8u	1.221m	1.881m	1.128
3	2	11M	99.2u	1.768m	-	1.007
4	2	14M	76.9u	1.461m	-	446.9m
5	2	6M	62.6u	1.583m	-	645.5m
6	3	10M	53.3u	1.821m	1.484m	1.039
7	1	19M	57.4u	-	-	47.39m
8	2	9M	87.6u	1.602m	-	800.2m
9	2	11M	53.0u	1.049m	-	61.97m
10	1	6M	83.8u	-	-	779.2m

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	3	11M	59.0u	1.651m	1.728m	165.8m
2	2	10M	96.3u	1.308m	-	332.2m
3	2	16M	80.2u	1.124m	-	339.6m
4	2	12M	73.8u	1.778m	-	620.0m
5	1	7M	57.5u	-	-	637.0m
6	2	16M	77.3u	1.012m	-	719.8m
7	2	10M	53.9u	1.733m	-	617.7m
8	2	14M	91.1u	1.293m	-	661.2m
9	1	12M	65.7u	-	-	556.6m
10	2	15M	77.9u	1.488m	-	594.0m
11	2	6M	77.6u	1.141m	-	661.7m
12	1	13M	83.9u	-	-	632.6m
13	1	6M	76.4u	-	-	340.6m
14	3	15M	66.3u	1.628m	1.680m	212.5m
15	3	15M	75.2u	1.765m	1.265m	212.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_29
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	52.0u	1.356m	-	487.3m
2	2	8M	79.1u	969.9u	-	499.4m
3	2	8M	79.3u	1.877m	-	450.8m
4	2	7M	84.5u	1.320m	-	244.2m
5	2	10M	54.4u	1.757m	-	548.9m
6	3	16M	95.0u	1.400m	968.0u	625.2m
7	3	16M	89.5u	1.438m	1.112m	258.8m
8	3	11M	94.1u	1.210m	1.896m	54.84m
9	1	19M	53.0u	-	-	735.6m
10	2	14M	50.8u	1.075m	-	246.8m
11	1	5M	81.4u	-	-	68.84m
12	1	8M	65.6u	-	-	404.7m
13	1	18M	61.5u	-	-	11.62m
14	3	7M	52.2u	980.8u	1.248m	641.1m
15	2	8M	90.1u	1.446m	-	682.8m
16	2	14M	84.7u	1.550m	-	693.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	20M	89.5u	1.297m	-	281.9m
2	3	14M	70.4u	1.476m	1.423m	754.3m
3	2	15M	83.6u	1.830m	-	516.2m
4	2	7M	65.4u	1.855m	-	674.5m
5	3	18M	89.0u	1.887m	1.189m	890.1m
6	2	7M	77.7u	962.3u	-	96.01m
7	2	12M	61.3u	1.496m	-	424.3m
8	1	14M	87.1u	-	-	688.9m
9	2	19M	71.2u	1.292m	-	516.4m
10	3	14M	64.4u	1.209m	1.814m	176.3m
11	3	6M	53.8u	1.277m	1.520m	873.7m
12	2	12M	80.3u	1.789m	-	67.95m
13	2	13M	77.7u	1.783m	-	748.3m

B.2 The Frequency Hopping Radar Pattern

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.511G	2	5.612G	3	5.307G	4	5.615G
5	5.414G	6	5.342G	7	5.301G	8	5.719G
9	5.468G	10	5.369G	11	5.436G	12	5.358G
13	5.264G	14	5.422G	15	5.681G	16	5.405G
17	5.442G	18	5.400G	19	5.411G	20	5.440G
21	5.363G	22	5.277G	23	5.677G	24	5.269G
25	5.284G	26	5.705G	27	5.447G	28	5.668G
29	5.470G	30	5.330G	31	5.528G	32	5.398G
33	5.555G	34	5.481G	35	5.357G	36	5.309G
37	5.711G	38	5.270G	39	5.489G	40	5.637G
41	5.669G	42	5.647G	43	5.391G	44	5.723G
45	5.266G	46	5.480G	47	5.263G	48	5.618G
49	5.575G	50	5.539G	51	5.498G	52	5.645G
53	5.527G	54	5.322G	55	5.474G	56	5.531G
57	5.701G	58	5.685G	59	5.582G	60	5.595G
61	5.500G	62	5.684G	63	5.250G	64	5.317G
65	5.431G	66	5.501G	67	5.438G	68	5.377G
69	5.403G	70	5.308G	71	5.344G	72	5.664G
73	5.530G	74	5.580G	75	5.395G	76	5.271G
77	5.694G	78	5.519G	79	5.556G	80	5.704G
81	5.665G	82	5.588G	83	5.628G	84	5.571G
85	5.415G	86	5.318G	87	5.429G	88	5.294G
89	5.542G	90	5.261G	91	5.516G	92	5.568G
93	5.688G	94	5.396G	95	5.386G	96	5.657G
97	5.433G	98	5.454G	99	5.699G	100	5.622G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.613G	2	5.369G	3	5.308G	4	5.283G
5	5.391G	6	5.314G	7	5.501G	8	5.322G
9	5.591G	10	5.554G	11	5.299G	12	5.646G
13	5.464G	14	5.491G	15	5.557G	16	5.534G
17	5.641G	18	5.637G	19	5.602G	20	5.709G
21	5.647G	22	5.424G	23	5.455G	24	5.700G
25	5.694G	26	5.365G	27	5.671G	28	5.279G
29	5.481G	30	5.468G	31	5.389G	32	5.619G
33	5.691G	34	5.684G	35	5.280G	36	5.723G
37	5.469G	38	5.427G	39	5.711G	40	5.290G
41	5.640G	42	5.431G	43	5.377G	44	5.510G
45	5.681G	46	5.333G	47	5.335G	48	5.402G
49	5.607G	50	5.519G	51	5.378G	52	5.624G
53	5.281G	54	5.430G	55	5.712G	56	5.320G
57	5.588G	58	5.706G	59	5.286G	60	5.273G
61	5.350G	62	5.345G	63	5.616G	64	5.451G
65	5.429G	66	5.253G	67	5.441G	68	5.674G
69	5.380G	70	5.419G	71	5.267G	72	5.458G
73	5.505G	74	5.512G	75	5.590G	76	5.351G
77	5.254G	78	5.323G	79	5.633G	80	5.615G
81	5.398G	82	5.448G	83	5.413G	84	5.555G
85	5.373G	86	5.393G	87	5.562G	88	5.422G
89	5.548G	90	5.655G	91	5.385G	92	5.470G
93	5.303G	94	5.428G	95	5.256G	96	5.476G
97	5.595G	98	5.630G	99	5.488G	100	5.528G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.575G	2	5.577G	3	5.658G	4	5.602G
5	5.351G	6	5.300G	7	5.639G	8	5.650G
9	5.375G	10	5.304G	11	5.673G	12	5.273G
13	5.425G	14	5.286G	15	5.665G	16	5.632G
17	5.648G	18	5.685G	19	5.636G	20	5.627G
21	5.683G	22	5.666G	23	5.291G	24	5.333G
25	5.402G	26	5.406G	27	5.687G	28	5.562G
29	5.316G	30	5.385G	31	5.358G	32	5.476G
33	5.386G	34	5.560G	35	5.405G	36	5.579G
37	5.403G	38	5.697G	39	5.302G	40	5.688G
41	5.496G	42	5.654G	43	5.580G	44	5.303G
45	5.260G	46	5.261G	47	5.453G	48	5.376G
49	5.504G	50	5.714G	51	5.513G	52	5.366G
53	5.262G	54	5.640G	55	5.684G	56	5.571G
57	5.528G	58	5.717G	59	5.423G	60	5.251G
61	5.382G	62	5.272G	63	5.488G	64	5.721G
65	5.404G	66	5.634G	67	5.612G	68	5.617G
69	5.586G	70	5.563G	71	5.374G	72	5.463G
73	5.354G	74	5.428G	75	5.384G	76	5.719G
77	5.724G	78	5.363G	79	5.290G	80	5.264G
81	5.411G	82	5.578G	83	5.299G	84	5.581G
85	5.655G	86	5.700G	87	5.373G	88	5.412G
89	5.336G	90	5.720G	91	5.326G	92	5.295G
93	5.464G	94	5.407G	95	5.525G	96	5.443G
97	5.508G	98	5.348G	99	5.322G	100	5.377G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.678G	2	5.638G	3	5.571G	4	5.493G
5	5.518G	6	5.376G	7	5.447G	8	5.483G
9	5.262G	10	5.686G	11	5.332G	12	5.691G
13	5.439G	14	5.555G	15	5.653G	16	5.402G
17	5.277G	18	5.666G	19	5.459G	20	5.544G
21	5.273G	22	5.554G	23	5.533G	24	5.587G
25	5.529G	26	5.516G	27	5.548G	28	5.360G
29	5.270G	30	5.392G	31	5.645G	32	5.598G
33	5.635G	34	5.557G	35	5.422G	36	5.703G
37	5.607G	38	5.487G	39	5.318G	40	5.625G
41	5.591G	42	5.300G	43	5.612G	44	5.553G
45	5.530G	46	5.634G	47	5.419G	48	5.611G
49	5.496G	50	5.639G	51	5.679G	52	5.583G
53	5.272G	54	5.492G	55	5.337G	56	5.543G
57	5.655G	58	5.600G	59	5.671G	60	5.282G
61	5.539G	62	5.299G	63	5.284G	64	5.365G
65	5.256G	66	5.624G	67	5.710G	68	5.677G
69	5.608G	70	5.377G	71	5.706G	72	5.610G
73	5.302G	74	5.717G	75	5.396G	76	5.398G
77	5.278G	78	5.330G	79	5.481G	80	5.480G
81	5.436G	82	5.693G	83	5.617G	84	5.698G
85	5.431G	86	5.488G	87	5.549G	88	5.379G
89	5.489G	90	5.545G	91	5.453G	92	5.628G
93	5.595G	94	5.627G	95	5.313G	96	5.335G
97	5.289G	98	5.415G	99	5.375G	100	5.519G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.273G	2	5.641G	3	5.549G	4	5.716G
5	5.429G	6	5.260G	7	5.484G	8	5.525G
9	5.340G	10	5.394G	11	5.364G	12	5.358G
13	5.696G	14	5.385G	15	5.262G	16	5.448G
17	5.427G	18	5.283G	19	5.352G	20	5.616G
21	5.309G	22	5.338G	23	5.679G	24	5.257G
25	5.575G	26	5.583G	27	5.655G	28	5.723G
29	5.267G	30	5.712G	31	5.538G	32	5.567G
33	5.453G	34	5.584G	35	5.481G	36	5.533G
37	5.465G	38	5.557G	39	5.537G	40	5.420G
41	5.529G	42	5.294G	43	5.588G	44	5.325G
45	5.356G	46	5.649G	47	5.265G	48	5.596G
49	5.316G	50	5.382G	51	5.719G	52	5.654G
53	5.693G	54	5.598G	55	5.564G	56	5.527G
57	5.565G	58	5.638G	59	5.503G	60	5.500G
61	5.362G	62	5.643G	63	5.707G	64	5.688G
65	5.386G	66	5.645G	67	5.681G	68	5.335G
69	5.388G	70	5.321G	71	5.284G	72	5.488G
73	5.395G	74	5.450G	75	5.287G	76	5.372G
77	5.544G	78	5.579G	79	5.374G	80	5.426G
81	5.722G	82	5.684G	83	5.410G	84	5.660G
85	5.320G	86	5.683G	87	5.541G	88	5.452G
89	5.622G	90	5.706G	91	5.528G	92	5.578G
93	5.597G	94	5.263G	95	5.360G	96	5.701G
97	5.555G	98	5.526G	99	5.424G	100	5.516G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.721G	2	5.297G	3	5.455G	4	5.393G
5	5.538G	6	5.593G	7	5.510G	8	5.638G
9	5.671G	10	5.572G	11	5.288G	12	5.376G
13	5.429G	14	5.420G	15	5.365G	16	5.559G
17	5.680G	18	5.414G	19	5.320G	20	5.690G
21	5.655G	22	5.301G	23	5.369G	24	5.662G
25	5.474G	26	5.426G	27	5.277G	28	5.486G
29	5.620G	30	5.631G	31	5.557G	32	5.674G
33	5.461G	34	5.432G	35	5.664G	36	5.687G
37	5.618G	38	5.421G	39	5.566G	40	5.550G
41	5.541G	42	5.619G	43	5.555G	44	5.628G
45	5.665G	46	5.400G	47	5.315G	48	5.261G
49	5.298G	50	5.602G	51	5.649G	52	5.494G
53	5.537G	54	5.453G	55	5.325G	56	5.650G
57	5.656G	58	5.433G	59	5.517G	60	5.392G
61	5.669G	62	5.360G	63	5.496G	64	5.640G
65	5.657G	66	5.580G	67	5.287G	68	5.349G
69	5.476G	70	5.292G	71	5.356G	72	5.295G
73	5.700G	74	5.352G	75	5.613G	76	5.564G
77	5.576G	78	5.507G	79	5.401G	80	5.423G
81	5.607G	82	5.379G	83	5.480G	84	5.702G
85	5.435G	86	5.464G	87	5.678G	88	5.646G
89	5.286G	90	5.459G	91	5.328G	92	5.316G
93	5.648G	94	5.343G	95	5.718G	96	5.481G
97	5.573G	98	5.699G	99	5.397G	100	5.308G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.430G	2	5.418G	3	5.453G	4	5.396G
5	5.635G	6	5.313G	7	5.388G	8	5.333G
9	5.591G	10	5.629G	11	5.542G	12	5.437G
13	5.604G	14	5.253G	15	5.402G	16	5.481G
17	5.360G	18	5.541G	19	5.485G	20	5.390G
21	5.696G	22	5.636G	23	5.716G	24	5.401G
25	5.288G	26	5.699G	27	5.436G	28	5.546G
29	5.365G	30	5.605G	31	5.282G	32	5.561G
33	5.350G	34	5.689G	35	5.633G	36	5.580G
37	5.309G	38	5.359G	39	5.626G	40	5.280G
41	5.634G	42	5.674G	43	5.662G	44	5.395G
45	5.698G	46	5.286G	47	5.607G	48	5.464G
49	5.506G	50	5.408G	51	5.724G	52	5.623G
53	5.356G	54	5.557G	55	5.620G	56	5.429G
57	5.435G	58	5.491G	59	5.511G	60	5.684G
61	5.291G	62	5.673G	63	5.484G	64	5.702G
65	5.428G	66	5.297G	67	5.414G	68	5.609G
69	5.368G	70	5.646G	71	5.256G	72	5.645G
73	5.454G	74	5.703G	75	5.647G	76	5.639G
77	5.572G	78	5.406G	79	5.650G	80	5.660G
81	5.371G	82	5.361G	83	5.362G	84	5.387G
85	5.293G	86	5.319G	87	5.426G	88	5.534G
89	5.273G	90	5.584G	91	5.386G	92	5.342G
93	5.708G	94	5.254G	95	5.523G	96	5.478G
97	5.461G	98	5.258G	99	5.394G	100	5.479G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.253G	2	5.601G	3	5.361G	4	5.721G
5	5.524G	6	5.613G	7	5.303G	8	5.407G
9	5.661G	10	5.411G	11	5.373G	12	5.615G
13	5.448G	14	5.652G	15	5.302G	16	5.491G
17	5.276G	18	5.685G	19	5.443G	20	5.452G
21	5.402G	22	5.662G	23	5.453G	24	5.458G
25	5.466G	26	5.396G	27	5.604G	28	5.480G
29	5.539G	30	5.699G	31	5.449G	32	5.284G
33	5.673G	34	5.675G	35	5.691G	36	5.550G
37	5.460G	38	5.304G	39	5.570G	40	5.301G
41	5.367G	42	5.291G	43	5.312G	44	5.343G
45	5.359G	46	5.299G	47	5.540G	48	5.403G
49	5.297G	50	5.545G	51	5.279G	52	5.511G
53	5.290G	54	5.296G	55	5.556G	56	5.497G
57	5.724G	58	5.430G	59	5.503G	60	5.481G
61	5.445G	62	5.611G	63	5.605G	64	5.718G
65	5.425G	66	5.327G	67	5.639G	68	5.650G
69	5.364G	70	5.633G	71	5.455G	72	5.371G
73	5.401G	74	5.384G	75	5.544G	76	5.254G
77	5.592G	78	5.432G	79	5.560G	80	5.533G
81	5.277G	82	5.522G	83	5.298G	84	5.665G
85	5.717G	86	5.388G	87	5.577G	88	5.417G
89	5.329G	90	5.457G	91	5.435G	92	5.534G
93	5.289G	94	5.572G	95	5.519G	96	5.599G
97	5.323G	98	5.492G	99	5.441G	100	5.440G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.351G	2	5.640G	3	5.560G	4	5.379G
5	5.265G	6	5.607G	7	5.585G	8	5.677G
9	5.722G	10	5.261G	11	5.342G	12	5.486G
13	5.425G	14	5.418G	15	5.514G	16	5.698G
17	5.680G	18	5.253G	19	5.329G	20	5.658G
21	5.544G	22	5.455G	23	5.502G	24	5.609G
25	5.652G	26	5.284G	27	5.429G	28	5.360G
29	5.353G	30	5.706G	31	5.445G	32	5.299G
33	5.366G	34	5.601G	35	5.325G	36	5.660G
37	5.335G	38	5.547G	39	5.717G	40	5.699G
41	5.626G	42	5.592G	43	5.293G	44	5.454G
45	5.565G	46	5.361G	47	5.561G	48	5.590G
49	5.427G	50	5.628G	51	5.381G	52	5.289G
53	5.676G	54	5.521G	55	5.365G	56	5.340G
57	5.315G	58	5.690G	59	5.719G	60	5.431G
61	5.715G	62	5.459G	63	5.643G	64	5.331G
65	5.292G	66	5.435G	67	5.430G	68	5.472G
69	5.500G	70	5.542G	71	5.531G	72	5.383G
73	5.723G	74	5.380G	75	5.645G	76	5.390G
77	5.444G	78	5.255G	79	5.648G	80	5.254G
81	5.555G	82	5.344G	83	5.700G	84	5.638G
85	5.256G	86	5.464G	87	5.663G	88	5.428G
89	5.321G	90	5.322G	91	5.407G	92	5.387G
93	5.471G	94	5.461G	95	5.447G	96	5.603G
97	5.655G	98	5.657G	99	5.707G	100	5.616G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.588G	2	5.354G	3	5.474G	4	5.341G
5	5.611G	6	5.543G	7	5.346G	8	5.373G
9	5.491G	10	5.618G	11	5.393G	12	5.487G
13	5.410G	14	5.652G	15	5.320G	16	5.630G
17	5.400G	18	5.661G	19	5.681G	20	5.309G
21	5.382G	22	5.643G	23	5.381G	24	5.464G
25	5.282G	26	5.454G	27	5.366G	28	5.514G
29	5.501G	30	5.576G	31	5.363G	32	5.533G
33	5.349G	34	5.651G	35	5.669G	36	5.537G
37	5.435G	38	5.555G	39	5.379G	40	5.658G
41	5.355G	42	5.571G	43	5.520G	44	5.256G
45	5.459G	46	5.563G	47	5.623G	48	5.323G
49	5.580G	50	5.674G	51	5.722G	52	5.447G
53	5.401G	54	5.634G	55	5.456G	56	5.531G
57	5.567G	58	5.707G	59	5.415G	60	5.502G
61	5.607G	62	5.680G	63	5.252G	64	5.432G
65	5.440G	66	5.318G	67	5.518G	68	5.585G
69	5.655G	70	5.509G	71	5.273G	72	5.260G
73	5.696G	74	5.332G	75	5.285G	76	5.557G
77	5.402G	78	5.267G	79	5.544G	80	5.601G
81	5.495G	82	5.663G	83	5.310G	84	5.450G
85	5.441G	86	5.482G	87	5.294G	88	5.333G
89	5.290G	90	5.612G	91	5.489G	92	5.683G
93	5.673G	94	5.470G	95	5.517G	96	5.414G
97	5.261G	98	5.560G	99	5.469G	100	5.362G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.488G	2	5.383G	3	5.405G	4	5.428G
5	5.448G	6	5.667G	7	5.500G	8	5.625G
9	5.404G	10	5.458G	11	5.381G	12	5.598G
13	5.698G	14	5.629G	15	5.407G	16	5.653G
17	5.388G	18	5.678G	19	5.536G	20	5.606G
21	5.324G	22	5.549G	23	5.594G	24	5.265G
25	5.292G	26	5.490G	27	5.614G	28	5.691G
29	5.454G	30	5.640G	31	5.301G	32	5.666G
33	5.542G	34	5.708G	35	5.706G	36	5.344G
37	5.501G	38	5.564G	39	5.605G	40	5.398G
41	5.297G	42	5.697G	43	5.320G	44	5.700G
45	5.656G	46	5.554G	47	5.631G	48	5.395G
49	5.516G	50	5.439G	51	5.575G	52	5.550G
53	5.619G	54	5.431G	55	5.675G	56	5.569G
57	5.427G	58	5.694G	59	5.312G	60	5.330G
61	5.343G	62	5.626G	63	5.719G	64	5.456G
65	5.384G	66	5.713G	67	5.469G	68	5.317G
69	5.356G	70	5.264G	71	5.664G	72	5.491G
73	5.257G	74	5.671G	75	5.616G	76	5.721G
77	5.397G	78	5.652G	79	5.378G	80	5.358G
81	5.612G	82	5.655G	83	5.421G	84	5.570G
85	5.477G	86	5.268G	87	5.546G	88	5.515G
89	5.668G	90	5.493G	91	5.278G	92	5.712G
93	5.300G	94	5.566G	95	5.270G	96	5.387G
97	5.561G	98	5.724G	99	5.591G	100	5.336G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.537G	2	5.535G	3	5.335G	4	5.642G
5	5.481G	6	5.333G	7	5.715G	8	5.651G
9	5.541G	10	5.450G	11	5.703G	12	5.264G
13	5.372G	14	5.616G	15	5.676G	16	5.544G
17	5.620G	18	5.279G	19	5.646G	20	5.626G
21	5.485G	22	5.391G	23	5.435G	24	5.531G
25	5.623G	26	5.562G	27	5.346G	28	5.267G
29	5.628G	30	5.303G	31	5.273G	32	5.561G
33	5.670G	34	5.382G	35	5.331G	36	5.353G
37	5.710G	38	5.533G	39	5.375G	40	5.540G
41	5.290G	42	5.442G	43	5.575G	44	5.717G
45	5.456G	46	5.325G	47	5.605G	48	5.276G
49	5.251G	50	5.369G	51	5.469G	52	5.298G
53	5.723G	54	5.669G	55	5.392G	56	5.377G
57	5.547G	58	5.529G	59	5.464G	60	5.351G
61	5.516G	62	5.300G	63	5.624G	64	5.640G
65	5.678G	66	5.508G	67	5.657G	68	5.476G
69	5.480G	70	5.280G	71	5.699G	72	5.689G
73	5.548G	74	5.632G	75	5.271G	76	5.282G
77	5.389G	78	5.643G	79	5.652G	80	5.520G
81	5.453G	82	5.401G	83	5.549G	84	5.578G
85	5.497G	86	5.560G	87	5.484G	88	5.390G
89	5.380G	90	5.574G	91	5.315G	92	5.299G
93	5.659G	94	5.673G	95	5.330G	96	5.288G
97	5.472G	98	5.505G	99	5.428G	100	5.687G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.472G	2	5.347G	3	5.272G	4	5.620G
5	5.391G	6	5.370G	7	5.382G	8	5.699G
9	5.325G	10	5.600G	11	5.591G	12	5.630G
13	5.326G	14	5.679G	15	5.273G	16	5.298G
17	5.363G	18	5.533G	19	5.383G	20	5.622G
21	5.611G	22	5.542G	23	5.526G	24	5.478G
25	5.419G	26	5.674G	27	5.417G	28	5.719G
29	5.322G	30	5.548G	31	5.686G	32	5.286G
33	5.709G	34	5.308G	35	5.355G	36	5.684G
37	5.607G	38	5.411G	39	5.517G	40	5.299G
41	5.553G	42	5.289G	43	5.300G	44	5.459G
45	5.337G	46	5.352G	47	5.469G	48	5.567G
49	5.474G	50	5.596G	51	5.385G	52	5.718G
53	5.321G	54	5.629G	55	5.568G	56	5.512G
57	5.557G	58	5.716G	59	5.366G	60	5.328G
61	5.621G	62	5.664G	63	5.587G	64	5.380G
65	5.410G	66	5.685G	67	5.676G	68	5.494G
69	5.390G	70	5.618G	71	5.645G	72	5.445G
73	5.346G	74	5.360G	75	5.682G	76	5.605G
77	5.372G	78	5.606G	79	5.427G	80	5.302G
81	5.665G	82	5.660G	83	5.412G	84	5.570G
85	5.458G	86	5.678G	87	5.582G	88	5.441G
89	5.509G	90	5.491G	91	5.597G	92	5.471G
93	5.287G	94	5.310G	95	5.266G	96	5.344G
97	5.435G	98	5.349G	99	5.688G	100	5.667G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.677G	2	5.273G	3	5.629G	4	5.610G
5	5.626G	6	5.635G	7	5.400G	8	5.580G
9	5.364G	10	5.443G	11	5.487G	12	5.250G
13	5.661G	14	5.527G	15	5.285G	16	5.690G
17	5.424G	18	5.578G	19	5.608G	20	5.542G
21	5.698G	22	5.563G	23	5.706G	24	5.268G
25	5.587G	26	5.689G	27	5.560G	28	5.451G
29	5.650G	30	5.353G	31	5.589G	32	5.577G
33	5.312G	34	5.631G	35	5.477G	36	5.395G
37	5.337G	38	5.329G	39	5.614G	40	5.471G
41	5.644G	42	5.284G	43	5.366G	44	5.647G
45	5.466G	46	5.369G	47	5.619G	48	5.576G
49	5.624G	50	5.700G	51	5.600G	52	5.344G
53	5.365G	54	5.722G	55	5.586G	56	5.548G
57	5.409G	58	5.491G	59	5.413G	60	5.653G
61	5.463G	62	5.528G	63	5.359G	64	5.334G
65	5.401G	66	5.670G	67	5.584G	68	5.607G
69	5.261G	70	5.494G	71	5.311G	72	5.415G
73	5.691G	74	5.475G	75	5.484G	76	5.297G
77	5.573G	78	5.422G	79	5.322G	80	5.310G
81	5.254G	82	5.343G	83	5.367G	84	5.550G
85	5.715G	86	5.460G	87	5.372G	88	5.389G
89	5.411G	90	5.511G	91	5.641G	92	5.419G
93	5.532G	94	5.328G	95	5.640G	96	5.707G
97	5.290G	98	5.486G	99	5.391G	100	5.354G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.328G	2	5.285G	3	5.443G	4	5.609G
5	5.597G	6	5.313G	7	5.502G	8	5.489G
9	5.315G	10	5.386G	11	5.533G	12	5.667G
13	5.338G	14	5.520G	15	5.335G	16	5.264G
17	5.717G	18	5.677G	19	5.661G	20	5.619G
21	5.633G	22	5.258G	23	5.329G	24	5.476G
25	5.298G	26	5.719G	27	5.657G	28	5.616G
29	5.346G	30	5.356G	31	5.544G	32	5.596G
33	5.337G	34	5.610G	35	5.716G	36	5.416G
37	5.708G	38	5.401G	39	5.366G	40	5.593G
41	5.541G	42	5.710G	43	5.539G	44	5.510G
45	5.262G	46	5.569G	47	5.582G	48	5.311G
49	5.384G	50	5.415G	51	5.351G	52	5.721G
53	5.250G	54	5.600G	55	5.257G	56	5.479G
57	5.522G	58	5.434G	59	5.288G	60	5.500G
61	5.624G	62	5.326G	63	5.484G	64	5.261G
65	5.421G	66	5.255G	67	5.620G	68	5.711G
69	5.603G	70	5.392G	71	5.525G	72	5.330G
73	5.405G	74	5.654G	75	5.277G	76	5.709G
77	5.623G	78	5.289G	79	5.640G	80	5.383G
81	5.545G	82	5.639G	83	5.564G	84	5.483G
85	5.703G	86	5.686G	87	5.450G	88	5.382G
89	5.458G	90	5.297G	91	5.428G	92	5.425G
93	5.722G	94	5.681G	95	5.394G	96	5.706G
97	5.613G	98	5.662G	99	5.269G	100	5.695G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.653G	2	5.383G	3	5.532G	4	5.631G
5	5.554G	6	5.449G	7	5.722G	8	5.713G
9	5.342G	10	5.707G	11	5.440G	12	5.250G
13	5.618G	14	5.543G	15	5.329G	16	5.343G
17	5.506G	18	5.328G	19	5.683G	20	5.385G
21	5.325G	22	5.419G	23	5.642G	24	5.478G
25	5.592G	26	5.526G	27	5.581G	28	5.296G
29	5.261G	30	5.469G	31	5.363G	32	5.524G
33	5.673G	34	5.366G	35	5.643G	36	5.425G
37	5.708G	38	5.694G	39	5.481G	40	5.341G
41	5.340G	42	5.280G	43	5.610G	44	5.551G
45	5.364G	46	5.611G	47	5.523G	48	5.414G
49	5.303G	50	5.416G	51	5.677G	52	5.263G
53	5.548G	54	5.308G	55	5.290G	56	5.314G
57	5.518G	58	5.397G	59	5.495G	60	5.321G
61	5.345G	62	5.464G	63	5.620G	64	5.452G
65	5.390G	66	5.294G	67	5.538G	68	5.326G
69	5.537G	70	5.502G	71	5.457G	72	5.564G
73	5.721G	74	5.695G	75	5.466G	76	5.693G
77	5.636G	78	5.317G	79	5.715G	80	5.439G
81	5.652G	82	5.650G	83	5.558G	84	5.515G
85	5.724G	86	5.378G	87	5.480G	88	5.436G
89	5.258G	90	5.459G	91	5.566G	92	5.376G
93	5.517G	94	5.553G	95	5.288G	96	5.522G
97	5.304G	98	5.687G	99	5.593G	100	5.689G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.381G	2	5.622G	3	5.632G	4	5.473G
5	5.586G	6	5.387G	7	5.299G	8	5.561G
9	5.541G	10	5.618G	11	5.453G	12	5.642G
13	5.503G	14	5.363G	15	5.263G	16	5.436G
17	5.546G	18	5.623G	19	5.613G	20	5.636G
21	5.267G	22	5.698G	23	5.474G	24	5.624G
25	5.308G	26	5.559G	27	5.389G	28	5.582G
29	5.646G	30	5.304G	31	5.547G	32	5.633G
33	5.711G	34	5.660G	35	5.619G	36	5.454G
37	5.599G	38	5.440G	39	5.445G	40	5.579G
41	5.520G	42	5.405G	43	5.278G	44	5.439G
45	5.524G	46	5.606G	47	5.521G	48	5.536G
49	5.578G	50	5.480G	51	5.466G	52	5.313G
53	5.548G	54	5.355G	55	5.310G	56	5.438G
57	5.442G	58	5.692G	59	5.336G	60	5.360G
61	5.597G	62	5.533G	63	5.427G	64	5.690G
65	5.446G	66	5.384G	67	5.368G	68	5.569G
69	5.658G	70	5.385G	71	5.411G	72	5.592G
73	5.709G	74	5.307G	75	5.704G	76	5.251G
77	5.601G	78	5.290G	79	5.551G	80	5.653G
81	5.465G	82	5.515G	83	5.386G	84	5.463G
85	5.670G	86	5.401G	87	5.378G	88	5.373G
89	5.390G	90	5.497G	91	5.612G	92	5.255G
93	5.525G	94	5.296G	95	5.362G	96	5.549G
97	5.703G	98	5.598G	99	5.526G	100	5.487G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.463G	2	5.590G	3	5.604G	4	5.352G
5	5.683G	6	5.571G	7	5.488G	8	5.594G
9	5.385G	10	5.310G	11	5.420G	12	5.443G
13	5.318G	14	5.502G	15	5.525G	16	5.409G
17	5.665G	18	5.338G	19	5.531G	20	5.532G
21	5.331G	22	5.374G	23	5.638G	24	5.346G
25	5.629G	26	5.340G	27	5.692G	28	5.561G
29	5.610G	30	5.478G	31	5.582G	32	5.278G
33	5.498G	34	5.709G	35	5.526G	36	5.473G
37	5.272G	38	5.633G	39	5.296G	40	5.528G
41	5.541G	42	5.643G	43	5.717G	44	5.293G
45	5.521G	46	5.345G	47	5.550G	48	5.644G
49	5.507G	50	5.663G	51	5.393G	52	5.662G
53	5.599G	54	5.312G	55	5.279G	56	5.493G
57	5.647G	58	5.371G	59	5.635G	60	5.271G
61	5.705G	62	5.377G	63	5.592G	64	5.519G
65	5.429G	66	5.697G	67	5.627G	68	5.430G
69	5.257G	70	5.256G	71	5.317G	72	5.533G
73	5.648G	74	5.573G	75	5.484G	76	5.396G
77	5.324G	78	5.413G	79	5.506G	80	5.335G
81	5.314G	82	5.445G	83	5.332G	84	5.461G
85	5.361G	86	5.365G	87	5.351G	88	5.650G
89	5.551G	90	5.303G	91	5.337G	92	5.323G
93	5.460G	94	5.516G	95	5.666G	96	5.530G
97	5.264G	98	5.364G	99	5.405G	100	5.451G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.428G	2	5.624G	3	5.659G	4	5.642G
5	5.487G	6	5.267G	7	5.335G	8	5.722G
9	5.603G	10	5.432G	11	5.453G	12	5.653G
13	5.416G	14	5.290G	15	5.719G	16	5.712G
17	5.511G	18	5.528G	19	5.352G	20	5.639G
21	5.716G	22	5.619G	23	5.379G	24	5.681G
25	5.583G	26	5.482G	27	5.292G	28	5.443G
29	5.265G	30	5.347G	31	5.521G	32	5.297G
33	5.485G	34	5.477G	35	5.602G	36	5.331G
37	5.321G	38	5.672G	39	5.371G	40	5.383G
41	5.252G	42	5.404G	43	5.551G	44	5.637G
45	5.455G	46	5.538G	47	5.635G	48	5.461G
49	5.346G	50	5.507G	51	5.396G	52	5.354G
53	5.355G	54	5.684G	55	5.638G	56	5.545G
57	5.463G	58	5.471G	59	5.714G	60	5.540G
61	5.552G	62	5.502G	63	5.403G	64	5.647G
65	5.532G	66	5.441G	67	5.539G	68	5.434G
69	5.554G	70	5.377G	71	5.269G	72	5.654G
73	5.541G	74	5.667G	75	5.695G	76	5.556G
77	5.341G	78	5.724G	79	5.319G	80	5.460G
81	5.445G	82	5.636G	83	5.462G	84	5.628G
85	5.533G	86	5.510G	87	5.592G	88	5.411G
89	5.631G	90	5.516G	91	5.336G	92	5.438G
93	5.506G	94	5.448G	95	5.334G	96	5.585G
97	5.446G	98	5.343G	99	5.357G	100	5.373G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.567G	2	5.431G	3	5.523G	4	5.390G
5	5.419G	6	5.590G	7	5.301G	8	5.547G
9	5.634G	10	5.612G	11	5.522G	12	5.398G
13	5.592G	14	5.279G	15	5.649G	16	5.558G
17	5.313G	18	5.618G	19	5.462G	20	5.415G
21	5.324G	22	5.461G	23	5.645G	24	5.406G
25	5.451G	26	5.350G	27	5.600G	28	5.720G
29	5.432G	30	5.696G	31	5.429G	32	5.532G
33	5.504G	34	5.316G	35	5.366G	36	5.678G
37	5.321G	38	5.424G	39	5.333G	40	5.676G
41	5.613G	42	5.638G	43	5.392G	44	5.416G
45	5.672G	46	5.516G	47	5.423G	48	5.698G
49	5.569G	50	5.684G	51	5.561G	52	5.688G
53	5.433G	54	5.691G	55	5.624G	56	5.525G
57	5.589G	58	5.582G	59	5.255G	60	5.575G
61	5.489G	62	5.272G	63	5.394G	64	5.456G
65	5.723G	66	5.604G	67	5.251G	68	5.581G
69	5.517G	70	5.359G	71	5.437G	72	5.444G
73	5.653G	74	5.524G	75	5.690G	76	5.291G
77	5.611G	78	5.531G	79	5.373G	80	5.593G
81	5.713G	82	5.709G	83	5.560G	84	5.381G
85	5.417G	86	5.710G	87	5.640G	88	5.570G
89	5.717G	90	5.662G	91	5.348G	92	5.564G
93	5.594G	94	5.656G	95	5.655G	96	5.365G
97	5.353G	98	5.597G	99	5.293G	100	5.687G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.456G	2	5.407G	3	5.294G	4	5.506G
5	5.454G	6	5.487G	7	5.646G	8	5.596G
9	5.484G	10	5.616G	11	5.397G	12	5.536G
13	5.346G	14	5.608G	15	5.716G	16	5.392G
17	5.428G	18	5.400G	19	5.529G	20	5.559G
21	5.301G	22	5.488G	23	5.335G	24	5.694G
25	5.345G	26	5.330G	27	5.474G	28	5.272G
29	5.520G	30	5.329G	31	5.561G	32	5.717G
33	5.612G	34	5.467G	35	5.577G	36	5.652G
37	5.493G	38	5.645G	39	5.572G	40	5.693G
41	5.722G	42	5.584G	43	5.292G	44	5.391G
45	5.532G	46	5.511G	47	5.636G	48	5.341G
49	5.276G	50	5.460G	51	5.663G	52	5.626G
53	5.692G	54	5.358G	55	5.282G	56	5.583G
57	5.701G	58	5.382G	59	5.477G	60	5.430G
61	5.628G	62	5.476G	63	5.447G	64	5.298G
65	5.604G	66	5.340G	67	5.432G	68	5.534G
69	5.704G	70	5.687G	71	5.444G	72	5.295G
73	5.494G	74	5.504G	75	5.641G	76	5.395G
77	5.715G	78	5.503G	79	5.418G	80	5.443G
81	5.388G	82	5.311G	83	5.368G	84	5.446G
85	5.658G	86	5.670G	87	5.336G	88	5.526G
89	5.416G	90	5.614G	91	5.672G	92	5.372G
93	5.681G	94	5.304G	95	5.421G	96	5.490G
97	5.590G	98	5.568G	99	5.571G	100	5.293G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.505G	2	5.414G	3	5.314G	4	5.593G
5	5.553G	6	5.413G	7	5.325G	8	5.675G
9	5.459G	10	5.299G	11	5.440G	12	5.481G
13	5.681G	14	5.277G	15	5.265G	16	5.613G
17	5.383G	18	5.502G	19	5.700G	20	5.477G
21	5.385G	22	5.326G	23	5.400G	24	5.620G
25	5.609G	26	5.598G	27	5.562G	28	5.574G
29	5.397G	30	5.282G	31	5.411G	32	5.327G
33	5.721G	34	5.396G	35	5.476G	36	5.625G
37	5.329G	38	5.497G	39	5.341G	40	5.678G
41	5.455G	42	5.441G	43	5.668G	44	5.605G
45	5.270G	46	5.570G	47	5.294G	48	5.571G
49	5.407G	50	5.386G	51	5.546G	52	5.409G
53	5.710G	54	5.352G	55	5.311G	56	5.399G
57	5.575G	58	5.389G	59	5.504G	60	5.616G
61	5.394G	62	5.641G	63	5.604G	64	5.715G
65	5.712G	66	5.349G	67	5.465G	68	5.595G
69	5.619G	70	5.702G	71	5.591G	72	5.599G
73	5.579G	74	5.347G	75	5.637G	76	5.332G
77	5.552G	78	5.601G	79	5.292G	80	5.259G
81	5.313G	82	5.434G	83	5.428G	84	5.468G
85	5.519G	86	5.687G	87	5.676G	88	5.286G
89	5.536G	90	5.377G	91	5.543G	92	5.525G
93	5.492G	94	5.359G	95	5.284G	96	5.714G
97	5.364G	98	5.701G	99	5.384G	100	5.257G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.496G	2	5.441G	3	5.657G	4	5.647G
5	5.404G	6	5.277G	7	5.719G	8	5.636G
9	5.606G	10	5.319G	11	5.461G	12	5.615G
13	5.509G	14	5.331G	15	5.252G	16	5.406G
17	5.702G	18	5.361G	19	5.597G	20	5.400G
21	5.415G	22	5.402G	23	5.372G	24	5.648G
25	5.707G	26	5.416G	27	5.676G	28	5.475G
29	5.591G	30	5.504G	31	5.401G	32	5.722G
33	5.337G	34	5.421G	35	5.563G	36	5.399G
37	5.516G	38	5.484G	39	5.548G	40	5.713G
41	5.353G	42	5.626G	43	5.287G	44	5.599G
45	5.708G	46	5.472G	47	5.250G	48	5.360G
49	5.677G	50	5.500G	51	5.392G	52	5.289G
53	5.689G	54	5.334G	55	5.476G	56	5.670G
57	5.510G	58	5.614G	59	5.699G	60	5.453G
61	5.423G	62	5.491G	63	5.621G	64	5.528G
65	5.282G	66	5.481G	67	5.513G	68	5.394G
69	5.552G	70	5.641G	71	5.658G	72	5.594G
73	5.326G	74	5.386G	75	5.572G	76	5.292G
77	5.473G	78	5.588G	79	5.383G	80	5.454G
81	5.517G	82	5.624G	83	5.646G	84	5.448G
85	5.678G	86	5.435G	87	5.711G	88	5.565G
89	5.564G	90	5.390G	91	5.490G	92	5.478G
93	5.692G	94	5.446G	95	5.515G	96	5.675G
97	5.290G	98	5.511G	99	5.524G	100	5.497G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.363G	2	5.724G	3	5.696G	4	5.627G
5	5.381G	6	5.644G	7	5.569G	8	5.440G
9	5.292G	10	5.652G	11	5.397G	12	5.337G
13	5.442G	14	5.488G	15	5.614G	16	5.424G
17	5.624G	18	5.632G	19	5.374G	20	5.307G
21	5.468G	22	5.421G	23	5.261G	24	5.285G
25	5.581G	26	5.702G	27	5.332G	28	5.278G
29	5.376G	30	5.296G	31	5.539G	32	5.508G
33	5.419G	34	5.705G	35	5.538G	36	5.445G
37	5.318G	38	5.575G	39	5.322G	40	5.344G
41	5.389G	42	5.571G	43	5.570G	44	5.453G
45	5.437G	46	5.619G	47	5.405G	48	5.494G
49	5.659G	50	5.697G	51	5.262G	52	5.487G
53	5.519G	54	5.317G	55	5.377G	56	5.456G
57	5.589G	58	5.425G	59	5.348G	60	5.467G
61	5.393G	62	5.434G	63	5.335G	64	5.328G
65	5.520G	66	5.484G	67	5.284G	68	5.594G
69	5.325G	70	5.507G	71	5.549G	72	5.264G
73	5.441G	74	5.281G	75	5.347G	76	5.601G
77	5.349G	78	5.695G	79	5.449G	80	5.666G
81	5.505G	82	5.461G	83	5.252G	84	5.602G
85	5.272G	86	5.251G	87	5.535G	88	5.410G
89	5.404G	90	5.418G	91	5.475G	92	5.648G
93	5.295G	94	5.547G	95	5.625G	96	5.554G
97	5.411G	98	5.386G	99	5.385G	100	5.352G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.358G	2	5.308G	3	5.273G	4	5.530G
5	5.651G	6	5.343G	7	5.584G	8	5.581G
9	5.307G	10	5.375G	11	5.288G	12	5.516G
13	5.671G	14	5.328G	15	5.661G	16	5.573G
17	5.683G	18	5.560G	19	5.628G	20	5.472G
21	5.621G	22	5.548G	23	5.526G	24	5.549G
25	5.495G	26	5.524G	27	5.617G	28	5.499G
29	5.583G	30	5.335G	31	5.367G	32	5.610G
33	5.599G	34	5.547G	35	5.267G	36	5.626G
37	5.314G	38	5.440G	39	5.607G	40	5.452G
41	5.336G	42	5.666G	43	5.685G	44	5.561G
45	5.320G	46	5.657G	47	5.417G	48	5.371G
49	5.723G	50	5.664G	51	5.595G	52	5.290G
53	5.473G	54	5.348G	55	5.656G	56	5.366G
57	5.463G	58	5.316G	59	5.403G	60	5.645G
61	5.641G	62	5.614G	63	5.338G	64	5.390G
65	5.360G	66	5.429G	67	5.397G	68	5.304G
69	5.383G	70	5.396G	71	5.423G	72	5.380G
73	5.270G	74	5.324G	75	5.521G	76	5.291G
77	5.438G	78	5.474G	79	5.301G	80	5.481G
81	5.363G	82	5.522G	83	5.285G	84	5.369G
85	5.602G	86	5.689G	87	5.365G	88	5.625G
89	5.700G	90	5.512G	91	5.493G	92	5.507G
93	5.593G	94	5.272G	95	5.464G	96	5.668G
97	5.578G	98	5.409G	99	5.353G	100	5.419G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.565G	2	5.526G	3	5.567G	4	5.716G
5	5.631G	6	5.377G	7	5.586G	8	5.706G
9	5.612G	10	5.282G	11	5.576G	12	5.559G
13	5.647G	14	5.289G	15	5.652G	16	5.324G
17	5.648G	18	5.251G	19	5.617G	20	5.337G
21	5.317G	22	5.457G	23	5.566G	24	5.357G
25	5.598G	26	5.721G	27	5.478G	28	5.541G
29	5.489G	30	5.281G	31	5.450G	32	5.325G
33	5.371G	34	5.502G	35	5.455G	36	5.407G
37	5.452G	38	5.633G	39	5.622G	40	5.418G
41	5.666G	42	5.256G	43	5.420G	44	5.361G
45	5.619G	46	5.352G	47	5.486G	48	5.413G
49	5.630G	50	5.353G	51	5.388G	52	5.536G
53	5.636G	54	5.589G	55	5.601G	56	5.269G
57	5.318G	58	5.520G	59	5.519G	60	5.294G
61	5.692G	62	5.528G	63	5.514G	64	5.258G
65	5.682G	66	5.385G	67	5.703G	68	5.399G
69	5.360G	70	5.250G	71	5.488G	72	5.676G
73	5.330G	74	5.286G	75	5.594G	76	5.593G
77	5.375G	78	5.497G	79	5.303G	80	5.662G
81	5.511G	82	5.658G	83	5.358G	84	5.722G
85	5.391G	86	5.301G	87	5.340G	88	5.655G
89	5.308G	90	5.476G	91	5.329G	92	5.276G
93	5.434G	94	5.262G	95	5.549G	96	5.532G
97	5.292G	98	5.628G	99	5.368G	100	5.707G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.496G	2	5.518G	3	5.544G	4	5.616G
5	5.285G	6	5.489G	7	5.409G	8	5.444G
9	5.626G	10	5.266G	11	5.495G	12	5.511G
13	5.292G	14	5.402G	15	5.670G	16	5.684G
17	5.583G	18	5.659G	19	5.638G	20	5.476G
21	5.485G	22	5.477G	23	5.676G	24	5.500G
25	5.371G	26	5.429G	27	5.569G	28	5.457G
29	5.478G	30	5.278G	31	5.715G	32	5.628G
33	5.405G	34	5.432G	35	5.537G	36	5.435G
37	5.663G	38	5.568G	39	5.407G	40	5.687G
41	5.461G	42	5.692G	43	5.281G	44	5.394G
45	5.471G	46	5.450G	47	5.377G	48	5.358G
49	5.508G	50	5.714G	51	5.312G	52	5.617G
53	5.491G	54	5.591G	55	5.351G	56	5.322G
57	5.370G	58	5.336G	59	5.309G	60	5.297G
61	5.301G	62	5.712G	63	5.523G	64	5.704G
65	5.686G	66	5.290G	67	5.302G	68	5.468G
69	5.411G	70	5.696G	71	5.560G	72	5.718G
73	5.283G	74	5.317G	75	5.420G	76	5.288G
77	5.533G	78	5.417G	79	5.637G	80	5.599G
81	5.474G	82	5.337G	83	5.410G	84	5.509G
85	5.582G	86	5.257G	87	5.406G	88	5.689G
89	5.397G	90	5.469G	91	5.504G	92	5.264G
93	5.269G	94	5.340G	95	5.680G	96	5.527G
97	5.593G	98	5.536G	99	5.422G	100	5.430G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.301G	2	5.299G	3	5.470G	4	5.278G
5	5.337G	6	5.416G	7	5.695G	8	5.544G
9	5.567G	10	5.276G	11	5.689G	12	5.664G
13	5.507G	14	5.656G	15	5.256G	16	5.406G
17	5.531G	18	5.484G	19	5.511G	20	5.418G
21	5.580G	22	5.577G	23	5.518G	24	5.328G
25	5.675G	26	5.718G	27	5.257G	28	5.292G
29	5.505G	30	5.554G	31	5.435G	32	5.346G
33	5.357G	34	5.332G	35	5.590G	36	5.545G
37	5.421G	38	5.661G	39	5.482G	40	5.712G
41	5.563G	42	5.638G	43	5.711G	44	5.340G
45	5.600G	46	5.475G	47	5.263G	48	5.291G
49	5.608G	50	5.572G	51	5.296G	52	5.696G
53	5.686G	54	5.311G	55	5.525G	56	5.355G
57	5.392G	58	5.687G	59	5.553G	60	5.699G
61	5.341G	62	5.587G	63	5.353G	64	5.658G
65	5.270G	66	5.670G	67	5.708G	68	5.517G
69	5.401G	70	5.625G	71	5.490G	72	5.646G
73	5.514G	74	5.381G	75	5.637G	76	5.273G
77	5.376G	78	5.552G	79	5.358G	80	5.331G
81	5.603G	82	5.363G	83	5.399G	84	5.510G
85	5.398G	86	5.680G	87	5.425G	88	5.468G
89	5.532G	90	5.318G	91	5.684G	92	5.706G
93	5.627G	94	5.635G	95	5.405G	96	5.252G
97	5.648G	98	5.663G	99	5.286G	100	5.338G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.436G	2	5.660G	3	5.426G	4	5.324G
5	5.543G	6	5.572G	7	5.612G	8	5.562G
9	5.271G	10	5.452G	11	5.571G	12	5.342G
13	5.297G	14	5.314G	15	5.474G	16	5.449G
17	5.493G	18	5.563G	19	5.697G	20	5.688G
21	5.364G	22	5.396G	23	5.323G	24	5.637G
25	5.699G	26	5.378G	27	5.715G	28	5.623G
29	5.334G	30	5.648G	31	5.375G	32	5.511G
33	5.707G	34	5.621G	35	5.365G	36	5.632G
37	5.537G	38	5.568G	39	5.403G	40	5.307G
41	5.545G	42	5.584G	43	5.331G	44	5.266G
45	5.374G	46	5.720G	47	5.454G	48	5.389G
49	5.624G	50	5.518G	51	5.417G	52	5.644G
53	5.337G	54	5.527G	55	5.302G	56	5.525G
57	5.349G	58	5.435G	59	5.310G	60	5.358G
61	5.599G	62	5.589G	63	5.251G	64	5.327G
65	5.304G	66	5.594G	67	5.625G	68	5.387G
69	5.669G	70	5.535G	71	5.366G	72	5.654G
73	5.576G	74	5.529G	75	5.296G	76	5.573G
77	5.382G	78	5.419G	79	5.299G	80	5.661G
81	5.495G	82	5.683G	83	5.647G	84	5.616G
85	5.397G	86	5.357G	87	5.268G	88	5.421G
89	5.373G	90	5.701G	91	5.628G	92	5.586G
93	5.465G	94	5.283G	95	5.640G	96	5.405G
97	5.547G	98	5.641G	99	5.259G	100	5.522G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.259G	2	5.443G	3	5.389G	4	5.426G
5	5.468G	6	5.324G	7	5.549G	8	5.561G
9	5.439G	10	5.280G	11	5.257G	12	5.617G
13	5.591G	14	5.433G	15	5.651G	16	5.313G
17	5.329G	18	5.667G	19	5.546G	20	5.593G
21	5.523G	22	5.406G	23	5.630G	24	5.396G
25	5.597G	26	5.718G	27	5.339G	28	5.666G
29	5.571G	30	5.391G	31	5.492G	32	5.533G
33	5.319G	34	5.516G	35	5.270G	36	5.659G
37	5.251G	38	5.361G	39	5.252G	40	5.517G
41	5.665G	42	5.365G	43	5.327G	44	5.427G
45	5.709G	46	5.288G	47	5.315G	48	5.486G
49	5.451G	50	5.408G	51	5.258G	52	5.707G
53	5.723G	54	5.622G	55	5.464G	56	5.608G
57	5.296G	58	5.568G	59	5.521G	60	5.513G
61	5.490G	62	5.715G	63	5.385G	64	5.467G
65	5.418G	66	5.345G	67	5.525G	68	5.387G
69	5.475G	70	5.268G	71	5.599G	72	5.314G
73	5.353G	74	5.676G	75	5.485G	76	5.422G
77	5.452G	78	5.394G	79	5.405G	80	5.465G
81	5.493G	82	5.663G	83	5.363G	84	5.483G
85	5.721G	86	5.602G	87	5.334G	88	5.292G
89	5.660G	90	5.445G	91	5.636G	92	5.654G
93	5.291G	94	5.440G	95	5.466G	96	5.507G
97	5.550G	98	5.417G	99	5.462G	100	5.505G

B.3 The Long Pulse Radar Pattern

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_01 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	80.1u	1.483m	-	746.3m
2	2	9M	63.3u	1.311m	-	1.111
3	2	14M	63.1u	1.176m	-	1.111
4	1	8M	86.9u	-	-	918.6m
5	2	16M	69.4u	991.6u	-	1.100
6	3	17M	99.2u	980.8u	1.811m	905.4m
7	2	9M	88.6u	1.366m	-	334.1m
8	2	9M	63.7u	1.072m	-	641.8m
9	2	11M	79.8u	1.511m	-	290.3m
10	1	12M	61.3u	-	-	507.4m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_02 Number of Bursts in Trial: 20						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	93.8u	-	-	145.7m
2	3	13M	69.6u	1.015m	1.500m	49.52m
3	3	16M	78.1u	1.779m	1.056m	452.5m
4	1	7M	58.0u	-	-	477.1m
5	2	18M	99.7u	1.295m	-	369.1m
6	3	12M	83.7u	1.809m	1.360m	580.6m
7	2	9M	93.5u	1.320m	-	589.9m
8	1	19M	96.7u	-	-	563.1m
9	2	14M	86.0u	969.0u	-	456.1m
10	2	7M	70.9u	1.685m	-	508.9m
11	1	11M	64.3u	-	-	70.77m
12	3	8M	60.7u	1.742m	1.535m	508.8m
13	3	7M	79.6u	1.234m	1.403m	456.3m
14	3	12M	98.8u	1.540m	1.789m	478.1m
15	3	10M	85.7u	1.615m	1.664m	490.3m
16	3	18M	56.8u	1.380m	1.399m	220.3m
17	1	19M	70.8u	-	-	8.196m
18	3	17M	52.2u	1.091m	966.8u	520.5m
19	3	14M	62.2u	1.012m	1.154m	518.2m
20	2	14M	88.1u	1.451m	-	97.88m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_03
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	6M	90.2u	1.819m	1.483m	424.7m
2	2	17M	51.6u	1.560m	-	98.71m
3	2	19M	58.7u	1.741m	-	122.1m
4	1	17M	97.8u	-	-	555.3m
5	2	7M	51.0u	1.583m	-	371.1m
6	3	13M	55.8u	1.412m	1.478m	462.3m
7	2	17M	92.0u	1.719m	-	401.0m
8	2	9M	96.1u	1.540m	-	484.4m
9	2	19M	75.0u	1.472m	-	245.6m
10	1	7M	65.2u	-	-	17.93m
11	2	14M	87.5u	1.019m	-	300.1m
12	2	6M	68.5u	1.574m	-	463.5m
13	2	9M	74.5u	1.384m	-	241.3m
14	2	11M	77.4u	965.6u	-	534.5m
15	2	16M	52.3u	1.383m	-	659.4m
16	2	6M	89.6u	1.323m	-	239.1m
17	1	18M	77.4u	-	-	451.0m
18	3	17M	97.2u	1.630m	1.520m	1.327m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_04
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	15M	73.5u	-	-	72.57m
2	3	19M	70.7u	1.351m	1.775m	593.3m
3	2	15M	77.3u	1.238m	-	578.4m
4	1	8M	62.8u	-	-	59.94m
5	1	15M	64.6u	-	-	690.5m
6	2	8M	76.4u	1.418m	-	132.3m
7	1	14M	80.5u	-	-	625.7m
8	2	17M	69.4u	1.656m	-	403.8m
9	2	18M	94.0u	1.878m	-	285.5m
10	2	8M	59.3u	1.024m	-	204.8m
11	2	6M	75.1u	1.443m	-	583.2m
12	3	19M	58.1u	1.677m	1.343m	128.3m
13	2	7M	83.7u	1.879m	-	365.4m
14	2	15M	56.0u	1.289m	-	111.8m
15	3	13M	91.5u	1.577m	1.436m	288.0m
16	3	17M	61.0u	1.596m	1.042m	70.69m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	86.6u	1.904m	-	364.5m
2	3	18M	97.2u	1.463m	1.345m	7.968m
3	3	20M	94.6u	1.689m	1.093m	317.7m
4	3	7M	87.3u	1.310m	1.782m	109.6m
5	2	5M	77.1u	1.479m	-	278.5m
6	1	19M	53.2u	-	-	301.6m
7	2	18M	51.5u	1.636m	-	614.9m
8	2	14M	98.8u	1.106m	-	18.16m
9	2	8M	76.1u	975.9u	-	380.3m
10	3	14M	96.2u	1.046m	1.649m	302.0m
11	3	14M	59.5u	1.918m	1.064m	240.1m
12	2	16M	68.0u	1.468m	-	57.97m
13	2	7M	80.3u	1.279m	-	83.65m
14	1	7M	66.4u	-	-	595.3m

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	16M	95.7u	1.123m	1.431m	2.954m
2	1	13M	50.8u	-	-	278.8m
3	1	16M	57.0u	-	-	81.11m
4	2	10M	56.1u	949.9u	-	377.7m
5	3	20M	68.0u	1.577m	1.165m	13.84m
6	3	18M	95.4u	1.169m	1.063m	531.5m
7	1	14M	92.3u	-	-	658.2m
8	1	12M	59.6u	-	-	152.4m
9	3	14M	94.0u	1.640m	1.245m	59.16m
10	1	8M	67.1u	-	-	129.7m
11	1	8M	72.7u	-	-	654.3m
12	3	8M	82.0u	1.618m	1.179m	122.6m
13	3	10M	88.5u	1.077m	1.456m	482.2m
14	1	14M	70.5u	-	-	403.3m
15	3	6M	79.0u	1.306m	1.524m	162.4m
16	3	13M	90.7u	1.778m	1.412m	221.6m
17	3	13M	80.7u	1.159m	1.445m	696.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_07
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	72.0u	-	-	124.3m
2	1	18M	96.7u	-	-	139.4m
3	2	5M	66.3u	1.701m	-	61.85m
4	1	15M	77.2u	-	-	614.0m
5	2	15M	82.0u	1.545m	-	352.8m
6	1	14M	73.3u	-	-	86.11m
7	3	10M	97.0u	1.309m	1.501m	391.8m
8	2	15M	95.6u	1.785m	-	279.5m
9	2	11M	96.9u	1.735m	-	470.9m
10	1	6M	53.2u	-	-	614.6m
11	3	5M	78.2u	1.712m	1.450m	550.9m
12	3	9M	58.9u	1.299m	1.575m	479.8m
13	2	18M	80.4u	1.505m	-	416.6m
14	2	13M	55.0u	1.099m	-	460.0m
15	1	14M	89.3u	-	-	565.7m
16	2	11M	66.7u	1.527m	-	653.4m
17	3	5M	72.1u	1.095m	1.684m	207.4m
18	3	5M	85.4u	1.003m	1.237m	606.1m

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	2	12M	87.5u	1.571m	-	311.9m
2	2	10M	62.1u	1.040m	-	547.3m
3	1	14M	79.0u	-	-	162.2m
4	3	13M	80.0u	1.054m	1.736m	604.0m
5	3	6M	99.8u	1.565m	1.660m	545.0m
6	2	12M	51.6u	1.171m	-	691.7m
7	1	8M	78.6u	-	-	325.5m
8	3	6M	72.5u	1.605m	1.765m	61.03m
9	1	7M	94.0u	-	-	347.1m
10	2	12M	96.7u	1.630m	-	294.5m
11	1	6M	67.9u	-	-	271.5m
12	1	6M	88.4u	-	-	598.9m
13	1	14M	81.4u	-	-	417.9m
14	2	17M	68.4u	1.926m	-	121.8m
15	2	10M	70.9u	1.028m	-	367.0m
16	2	11M	64.0u	1.273m	-	61.50m
17	3	13M	82.0u	1.005m	1.001m	395.6m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_09
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	10M	70.2u	1.191m	1.045m	682.6m
2	3	9M	73.1u	949.9u	1.637m	234.1m
3	2	14M	68.2u	1.189m	-	134.9m
4	2	15M	83.1u	1.049m	-	646.4m
5	3	19M	69.3u	1.356m	1.558m	107.2m
6	1	15M	74.8u	-	-	435.8m
7	1	5M	72.8u	-	-	133.4m
8	1	18M	88.5u	-	-	22.06m
9	3	8M	97.8u	1.464m	1.383m	518.9m
10	2	6M	97.6u	1.482m	-	150.7m
11	2	10M	58.1u	1.839m	-	670.9m
12	1	9M	90.0u	-	-	318.4m
13	2	20M	72.8u	1.781m	-	167.7m
14	3	8M	67.4u	1.538m	1.301m	615.6m
15	3	13M	59.1u	1.707m	1.877m	559.5m
16	3	6M	62.1u	1.186m	1.093m	507.9m
17	2	8M	90.6u	1.225m	-	275.3m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	86.8u	1.596m	-	223.1m
2	3	17M	61.6u	1.373m	1.561m	561.6m
3	1	14M	61.3u	-	-	179.9m
4	1	20M	58.2u	-	-	321.6m
5	1	10M	95.3u	-	-	176.1m
6	2	15M	52.2u	1.514m	-	546.2m
7	1	6M	51.7u	-	-	625.6m
8	1	18M	57.7u	-	-	387.5m
9	2	13M	58.9u	1.595m	-	362.2m
10	1	8M	68.6u	-	-	510.5m
11	2	7M	62.3u	1.219m	-	213.1m
12	2	6M	80.2u	1.083m	-	535.5m
13	2	18M	65.9u	1.469m	-	541.6m
14	2	17M	83.4u	1.811m	-	31.71m
15	1	15M	54.5u	-	-	259.1m
16	3	13M	68.1u	1.230m	1.095m	116.7m
17	3	10M	94.5u	1.117m	1.129m	389.1m
18	2	18M	68.7u	1.413m	-	212.6m
19	1	19M	68.8u	-	-	92.80m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_11
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	63.2u	1.538m	-	66.25m
2	1	19M	81.9u	-	-	625.2m
3	1	12M	91.9u	-	-	215.8m
4	2	7M	51.6u	1.078m	-	356.0m
5	2	7M	93.1u	1.536m	-	603.8m
6	2	11M	95.4u	1.849m	-	563.2m
7	3	20M	84.6u	1.682m	1.624m	310.2m
8	2	14M	78.4u	1.062m	-	503.7m
9	2	18M	73.2u	1.901m	-	32.42m
10	1	12M	74.9u	-	-	547.7m
11	3	9M	55.2u	1.013m	1.514m	494.6m
12	1	15M	60.9u	-	-	575.4m
13	3	7M	92.0u	1.254m	1.116m	319.3m
14	2	8M	84.6u	1.833m	-	622.3m
15	2	14M	78.2u	1.534m	-	242.2m
16	2	15M	96.2u	1.810m	-	570.7m
17	2	9M	67.9u	1.481m	-	211.6m
18	1	7M	52.7u	-	-	54.22m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_12 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	14M	93.9u	1.692m	1.889m	602.6m
2	3	8M	68.3u	946.7u	1.833m	426.8m
3	2	12M	80.8u	1.868m	-	495.8m
4	2	17M	80.3u	1.230m	-	642.0m
5	1	14M	62.3u	-	-	122.5m
6	3	5M	72.0u	1.839m	1.194m	138.0m
7	2	14M	65.5u	1.374m	-	13.92m
8	1	9M	90.9u	-	-	103.2m
9	1	13M	83.8u	-	-	245.1m
10	2	15M	61.4u	1.493m	-	178.4m
11	3	14M	96.0u	1.870m	1.078m	357.6m
12	1	5M	76.9u	-	-	347.3m
13	2	19M	96.7u	1.287m	-	283.2m
14	1	14M	61.9u	-	-	95.07m
15	3	13M	70.2u	1.258m	940.8u	129.3m
16	1	12M	93.5u	-	-	225.3m
17	3	19M	62.9u	1.789m	1.294m	431.3m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_13 Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	57.5u	983.5u	-	140.0m
2	2	11M	55.2u	1.068m	-	580.5m
3	2	7M	70.1u	1.901m	-	728.4m
4	3	14M	63.9u	1.889m	1.254m	371.0m
5	1	8M	96.1u	-	-	332.2m
6	1	12M	91.5u	-	-	739.1m
7	1	8M	87.9u	-	-	296.6m
8	1	9M	79.5u	-	-	319.9m
9	2	16M	71.6u	1.114m	-	707.4m
10	2	12M	96.4u	1.245m	-	134.6m
11	2	12M	74.9u	1.438m	-	390.5m
12	2	13M	51.5u	1.177m	-	69.81m
13	2	19M	50.0u	1.767m	-	100.8m
14	3	7M	90.6u	1.629m	1.769m	165.2m
15	3	9M	87.9u	1.550m	984.1u	614.6m

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	17M	88.1u	1.623m	-	325.3m
2	2	16M	84.5u	1.011m	-	481.5m
3	2	14M	90.7u	1.299m	-	217.6m
4	2	12M	53.0u	990.0u	-	231.2m
5	2	10M	56.3u	1.512m	-	648.8m
6	3	17M	61.3u	1.478m	1.467m	306.9m
7	1	6M	54.1u	-	-	422.9m
8	2	8M	81.4u	1.367m	-	472.0m
9	1	16M	91.6u	-	-	226.3m
10	2	19M	67.3u	1.616m	-	444.6m
11	2	14M	78.6u	1.018m	-	551.8m
12	3	17M	89.0u	1.545m	1.856m	389.4m
13	2	10M	74.1u	1.683m	-	490.0m
14	3	17M	67.8u	1.844m	1.841m	301.1m
15	1	15M	60.9u	-	-	90.65m
16	2	20M	65.5u	1.409m	-	705.4m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_15
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	52.1u	1.805m	1.757m	440.7m
2	3	15M	84.6u	1.565m	1.106m	413.6m
3	1	18M	79.1u	-	-	472.5m
4	2	12M	70.4u	1.152m	-	740.9m
5	2	8M	97.3u	1.405m	-	3.319m
6	3	8M	54.1u	1.385m	1.914m	213.5m
7	2	10M	68.5u	964.5u	-	117.0m
8	3	10M	67.5u	1.428m	1.814m	396.5m
9	2	8M	78.2u	1.022m	-	904.6m
10	1	16M	60.9u	-	-	193.9m
11	3	18M	56.3u	1.234m	1.055m	509.8m
12	2	17M	51.9u	1.722m	-	727.6m
13	2	14M	66.3u	1.685m	-	918.7m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_16
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	98.4u	-	-	197.2m
2	3	7M	76.7u	1.323m	1.481m	325.9m
3	2	18M	70.7u	1.232m	-	25.74m
4	1	5M	50.1u	-	-	26.63m
5	2	9M	50.5u	1.723m	-	499.7m
6	1	7M	92.0u	-	-	119.2m
7	2	13M	53.1u	1.187m	-	222.4m
8	2	10M	54.6u	1.687m	-	449.0m
9	1	12M	86.4u	-	-	341.0m
10	2	10M	52.3u	1.673m	-	281.9m
11	2	16M	96.1u	1.886m	-	172.0m
12	1	16M	98.4u	-	-	411.5m
13	2	19M	65.3u	1.367m	-	640.4m
14	1	8M	86.9u	-	-	49.13m
15	2	19M	83.4u	1.175m	-	229.2m
16	2	13M	88.0u	1.389m	-	46.10m
17	3	12M	97.5u	1.416m	1.358m	479.8m
18	2	10M	64.3u	958.7u	-	525.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_17
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	51.3u	1.117m	-	626.5m
2	2	6M	65.2u	1.268m	-	580.5m
3	2	11M	98.1u	1.361m	-	567.2m
4	3	17M	85.3u	1.715m	1.137m	597.1m
5	2	7M	69.4u	1.167m	-	7.682m
6	2	10M	96.0u	991.0u	-	717.4m
7	3	13M	97.2u	1.169m	1.179m	400.3m
8	1	15M	73.3u	-	-	735.7m
9	1	18M	92.9u	-	-	60.98m
10	3	12M	57.2u	1.709m	1.745m	36.73m
11	1	18M	100.0u	-	-	512.2m
12	1	15M	54.3u	-	-	389.7m
13	2	12M	52.1u	1.058m	-	186.2m
14	3	15M	55.4u	1.010m	1.267m	73.94m
15	2	14M	89.5u	1.442m	-	151.4m
16	1	16M	69.5u	-	-	640.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_18
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	66.5u	1.471m	1.536m	398.7m
2	1	12M	90.6u	-	-	71.58m
3	3	12M	59.0u	1.848m	1.288m	182.3m
4	2	8M	75.1u	1.452m	-	254.0m
5	1	11M	70.8u	-	-	213.3m
6	2	15M	75.1u	1.677m	-	570.3m
7	1	12M	69.3u	-	-	234.3m
8	2	15M	99.2u	1.464m	-	84.78m
9	1	17M	70.3u	-	-	44.23m
10	2	10M	82.3u	1.014m	-	182.1m
11	2	10M	63.4u	1.586m	-	467.9m
12	2	15M	67.7u	1.137m	-	660.6m
13	2	13M	65.8u	1.747m	-	230.0m
14	3	19M	79.9u	1.157m	1.218m	76.39m
15	2	6M	78.8u	1.345m	-	11.30m
16	3	7M	83.7u	1.812m	1.169m	401.1m
17	2	13M	79.6u	1.849m	-	369.6m
18	1	11M	75.1u	-	-	654.8m

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

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	92.1u	1.494m	-	793.0m
2	2	13M	96.2u	1.312m	-	4.571m
3	2	14M	66.0u	937.0u	-	25.83m
4	1	19M	56.0u	-	-	699.2m
5	2	6M	91.9u	1.182m	-	185.8m
6	2	11M	91.9u	1.428m	-	7.057m
7	2	6M	61.2u	1.546m	-	552.3m
8	3	19M	52.6u	970.4u	1.121m	570.9m
9	2	17M	69.8u	1.759m	-	407.7m
10	2	10M	60.7u	1.616m	-	6.471m
11	3	20M	67.5u	1.306m	1.079m	378.9m
12	2	17M	72.8u	1.747m	-	610.2m
13	3	16M	52.4u	1.397m	1.068m	629.5m
14	2	8M	64.7u	1.103m	-	242.1m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_20 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	16M	87.7u	1.547m	1.193m	313.4m
2	2	5M	76.8u	1.617m	-	1.154
3	2	12M	75.5u	1.677m	-	712.2m
4	3	7M	62.1u	1.247m	1.521m	793.8m
5	1	5M	88.0u	-	-	265.6m
6	2	18M	73.7u	1.687m	-	35.60m
7	2	6M	51.1u	1.077m	-	1.050
8	2	7M	55.9u	1.833m	-	265.9m
9	3	18M	53.0u	1.261m	1.649m	504.1m
10	3	14M	78.2u	1.825m	1.582m	67.04m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_21 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	95.0u	1.543m	1.821m	274.2m
2	2	7M	60.0u	982.0u	-	521.8m
3	2	7M	80.4u	1.764m	-	176.7m
4	3	20M	78.1u	970.9u	1.440m	1.088
5	2	14M	63.5u	1.388m	-	551.6m
6	2	10M	94.6u	1.076m	-	318.4m
7	2	11M	54.1u	1.556m	-	262.4m
8	1	20M	82.0u	-	-	770.0m
9	2	20M	77.3u	1.550m	-	977.3m
10	3	12M	65.3u	1.595m	1.890m	1.064

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_22 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	6M	80.8u	-	-	30.48m
2	2	18M	66.8u	1.296m	-	386.0m
3	3	17M	65.5u	967.5u	1.032m	554.3m
4	2	19M	54.9u	1.385m	-	364.8m
5	1	6M	85.4u	-	-	472.6m
6	2	13M	85.7u	1.342m	-	625.1m
7	3	11M	67.2u	1.399m	1.207m	133.9m
8	2	19M	50.6u	1.837m	-	594.1m
9	1	10M	61.9u	-	-	440.0m
10	1	20M	78.4u	-	-	412.5m
11	2	11M	73.3u	1.752m	-	269.2m
12	3	8M	57.7u	1.257m	986.3u	449.4m
13	2	10M	92.3u	1.882m	-	319.5m
14	1	19M	97.0u	-	-	559.7m
15	2	6M	52.7u	1.884m	-	521.3m
16	1	15M	95.9u	-	-	152.8m
17	2	6M	68.2u	1.365m	-	180.0m
18	2	11M	70.6u	1.619m	-	227.9m

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_23 Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	72.2u	1.160m	-	605.9m
2	2	14M	88.0u	1.605m	-	578.9m
3	2	12M	95.8u	1.379m	-	826.6m
4	2	17M	58.5u	1.231m	-	1.086
5	2	19M	93.1u	1.257m	-	205.0m
6	2	20M	91.6u	1.132m	-	1.043
7	2	8M	53.2u	1.116m	-	590.3m
8	3	9M	76.1u	1.814m	1.257m	1.056
9	2	7M	80.1u	1.519m	-	336.6m
10	2	6M	68.3u	1.105m	-	376.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_24
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	61.2u	1.345m	-	630.0m
2	3	11M	90.4u	1.210m	1.088m	519.1m
3	2	11M	63.0u	1.618m	-	229.1m
4	2	7M	84.0u	1.421m	-	5.915m
5	1	14M	59.7u	-	-	391.3m
6	3	11M	75.6u	1.165m	1.838m	525.8m
7	2	13M	74.7u	1.571m	-	781.0m
8	3	14M	51.2u	1.703m	1.497m	446.2m
9	1	6M	75.2u	-	-	663.3m
10	2	19M	74.4u	990.6u	-	782.3m
11	2	18M	85.4u	1.753m	-	110.5m
12	2	19M	98.6u	1.790m	-	336.4m
13	3	7M	89.9u	1.854m	1.547m	650.1m
14	2	6M	92.1u	967.9u	-	58.83m
15	2	9M	74.6u	1.860m	-	629.1m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_25
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	9M	53.0u	1.381m	1.347m	593.9m
2	1	9M	71.0u	-	-	746.6m
3	3	6M	93.0u	963.0u	1.116m	78.38m
4	3	12M	86.1u	1.663m	1.146m	769.2m
5	3	5M	85.4u	1.244m	1.300m	731.0m
6	2	11M	77.2u	1.206m	-	445.1m
7	2	14M	93.8u	1.882m	-	515.9m
8	2	15M	79.6u	923.4u	-	34.46m
9	2	19M	99.3u	1.709m	-	398.4m
10	2	10M	86.6u	1.728m	-	202.8m
11	2	7M	83.1u	1.738m	-	506.1m
12	3	20M	97.5u	1.126m	1.460m	210.3m
13	3	5M	76.2u	1.078m	1.861m	532.3m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_26
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	87.5u	1.646m	-	198.0m
2	2	18M	86.7u	1.228m	-	497.8m
3	2	16M	68.6u	1.543m	-	746.4m
4	1	8M	67.3u	-	-	679.5m
5	3	18M	61.2u	1.748m	1.068m	435.0m
6	2	19M	81.9u	1.173m	-	370.0m
7	2	18M	70.5u	1.662m	-	277.1m
8	1	17M	97.5u	-	-	4.621m
9	2	9M	68.7u	1.264m	-	162.2m
10	1	16M	91.0u	-	-	512.0m
11	2	14M	88.4u	1.062m	-	659.2m
12	2	19M	75.9u	1.127m	-	343.5m
13	1	7M	69.1u	-	-	8.848m
14	3	10M	92.5u	1.265m	1.757m	117.1m
15	3	14M	50.6u	1.157m	949.4u	407.0m
16	2	14M	76.2u	1.578m	-	210.0m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_27
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	92.2u	1.638m	-	421.8m
2	2	8M	98.5u	1.498m	-	748.7m
3	3	16M	80.8u	1.618m	1.560m	588.0m
4	2	11M	59.0u	995.0u	-	526.7m
5	2	9M	58.7u	1.303m	-	311.4m
6	2	7M	52.3u	1.761m	-	139.3m
7	1	10M	93.8u	-	-	10.14m
8	2	8M	59.9u	1.592m	-	683.0m
9	3	19M	87.8u	977.2u	1.110m	89.76m
10	3	7M	53.6u	962.4u	1.192m	662.0m
11	3	11M	87.9u	1.357m	1.434m	639.3m
12	2	10M	69.3u	1.625m	-	674.1m
13	1	15M	57.8u	-	-	443.2m
14	3	11M	86.6u	1.674m	1.486m	691.9m
15	2	18M	60.7u	1.491m	-	260.2m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_28
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	19M	57.4u	-	-	1.032
2	1	9M	63.5u	-	-	1.001
3	3	14M	65.5u	1.301m	1.087m	78.17m
4	2	8M	72.3u	1.887m	-	1.001
5	2	16M	89.4u	1.029m	-	70.58m
6	3	19M	71.3u	1.782m	1.538m	80.38m
7	2	20M	57.4u	1.065m	-	1.056
8	1	16M	85.8u	-	-	880.1m
9	2	8M	65.7u	951.3u	-	1.032
10	1	6M	94.5u	-	-	1.070
11	2	8M	82.3u	1.732m	-	203.5m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_29
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	14M	65.8u	-	-	408.9m
2	1	17M	81.6u	-	-	239.7m
3	2	18M	65.7u	1.294m	-	632.1m
4	2	7M	81.2u	1.080m	-	646.9m
5	3	6M	53.1u	1.419m	1.905m	413.8m
6	2	10M	57.5u	1.559m	-	1.040
7	1	17M	97.7u	-	-	72.11m
8	1	13M	86.8u	-	-	122.2m
9	2	10M	72.7u	1.701m	-	843.7m
10	2	8M	94.9u	1.366m	-	766.4m
11	2	10M	85.7u	983.3u	-	293.8m

Long Pulse Radar Test Signal
Test Signal Name: LP_Signal_30
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	6M	88.2u	-	-	537.4m
2	2	16M	87.8u	963.2u	-	587.6m
3	2	20M	79.4u	943.6u	-	730.4m
4	3	17M	59.4u	1.824m	1.803m	403.0m
5	2	19M	56.7u	1.729m	-	728.4m
6	3	10M	58.0u	1.526m	1.726m	400.4m
7	2	5M	74.4u	1.645m	-	341.1m
8	2	11M	72.9u	1.514m	-	771.1m
9	2	18M	71.0u	1.670m	-	419.3m
10	1	12M	69.0u	-	-	770.0m
11	3	6M	89.1u	1.637m	1.178m	896.3m

B.4 The Frequency Hopping Radar Pattern

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.691G	2	5.653G	3	5.528G	4	5.432G
5	5.318G	6	5.455G	7	5.650G	8	5.557G
9	5.329G	10	5.327G	11	5.374G	12	5.680G
13	5.338G	14	5.386G	15	5.603G	16	5.659G
17	5.660G	18	5.410G	19	5.584G	20	5.263G
21	5.640G	22	5.654G	23	5.523G	24	5.323G
25	5.602G	26	5.267G	27	5.666G	28	5.700G
29	5.520G	30	5.314G	31	5.566G	32	5.543G
33	5.558G	34	5.679G	35	5.518G	36	5.612G
37	5.330G	38	5.542G	39	5.664G	40	5.373G
41	5.262G	42	5.547G	43	5.345G	44	5.698G
45	5.670G	46	5.506G	47	5.668G	48	5.395G
49	5.651G	50	5.601G	51	5.339G	52	5.525G
53	5.623G	54	5.293G	55	5.494G	56	5.303G
57	5.565G	58	5.272G	59	5.393G	60	5.434G
61	5.387G	62	5.582G	63	5.484G	64	5.609G
65	5.677G	66	5.515G	67	5.279G	68	5.350G
69	5.273G	70	5.462G	71	5.340G	72	5.576G
73	5.439G	74	5.507G	75	5.342G	76	5.665G
77	5.610G	78	5.522G	79	5.394G	80	5.642G
81	5.369G	82	5.716G	83	5.424G	84	5.391G
85	5.334G	86	5.259G	87	5.333G	88	5.324G
89	5.427G	90	5.675G	91	5.611G	92	5.359G
93	5.637G	94	5.692G	95	5.591G	96	5.529G
97	5.382G	98	5.477G	99	5.388G	100	5.673G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.504G	2	5.251G	3	5.263G	4	5.341G
5	5.523G	6	5.529G	7	5.587G	8	5.329G
9	5.562G	10	5.468G	11	5.278G	12	5.357G
13	5.397G	14	5.345G	15	5.300G	16	5.391G
17	5.723G	18	5.318G	19	5.327G	20	5.497G
21	5.501G	22	5.559G	23	5.457G	24	5.444G
25	5.463G	26	5.291G	27	5.599G	28	5.277G
29	5.380G	30	5.553G	31	5.431G	32	5.668G
33	5.547G	34	5.386G	35	5.378G	36	5.302G
37	5.601G	38	5.718G	39	5.262G	40	5.417G
41	5.671G	42	5.608G	43	5.320G	44	5.695G
45	5.516G	46	5.317G	47	5.685G	48	5.682G
49	5.259G	50	5.325G	51	5.452G	52	5.346G
53	5.379G	54	5.481G	55	5.313G	56	5.337G
57	5.537G	58	5.321G	59	5.491G	60	5.335G
61	5.506G	62	5.593G	63	5.609G	64	5.409G
65	5.430G	66	5.629G	67	5.602G	68	5.646G
69	5.446G	70	5.298G	71	5.588G	72	5.381G
73	5.493G	74	5.470G	75	5.477G	76	5.607G
77	5.604G	78	5.273G	79	5.669G	80	5.415G
81	5.581G	82	5.374G	83	5.705G	84	5.635G
85	5.528G	86	5.487G	87	5.472G	88	5.584G
89	5.557G	90	5.673G	91	5.288G	92	5.284G
93	5.576G	94	5.377G	95	5.456G	96	5.575G
97	5.252G	98	5.651G	99	5.353G	100	5.549G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.681G	2	5.348G	3	5.567G	4	5.483G
5	5.343G	6	5.701G	7	5.378G	8	5.342G
9	5.364G	10	5.477G	11	5.474G	12	5.482G
13	5.640G	14	5.616G	15	5.380G	16	5.372G
17	5.608G	18	5.322G	19	5.385G	20	5.538G
21	5.644G	22	5.283G	23	5.352G	24	5.321G
25	5.374G	26	5.598G	27	5.301G	28	5.633G
29	5.432G	30	5.332G	31	5.313G	32	5.431G
33	5.298G	34	5.643G	35	5.595G	36	5.316G
37	5.498G	38	5.262G	39	5.495G	40	5.703G
41	5.285G	42	5.398G	43	5.516G	44	5.337G
45	5.574G	46	5.386G	47	5.424G	48	5.465G
49	5.370G	50	5.379G	51	5.547G	52	5.503G
53	5.586G	54	5.409G	55	5.658G	56	5.293G
57	5.276G	58	5.281G	59	5.314G	60	5.539G
61	5.253G	62	5.693G	63	5.363G	64	5.354G
65	5.376G	66	5.698G	67	5.403G	68	5.629G
69	5.699G	70	5.543G	71	5.302G	72	5.508G
73	5.441G	74	5.324G	75	5.606G	76	5.426G
77	5.440G	78	5.520G	79	5.486G	80	5.417G
81	5.411G	82	5.533G	83	5.612G	84	5.423G
85	5.631G	86	5.375G	87	5.255G	88	5.468G
89	5.585G	90	5.549G	91	5.490G	92	5.636G
93	5.287G	94	5.569G	95	5.560G	96	5.716G
97	5.723G	98	5.485G	99	5.457G	100	5.652G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.694G	2	5.431G	3	5.359G	4	5.455G
5	5.679G	6	5.515G	7	5.523G	8	5.270G
9	5.420G	10	5.397G	11	5.675G	12	5.277G
13	5.338G	14	5.382G	15	5.633G	16	5.354G
17	5.496G	18	5.360G	19	5.256G	20	5.618G
21	5.290G	22	5.540G	23	5.459G	24	5.450G
25	5.255G	26	5.602G	27	5.409G	28	5.628G
29	5.437G	30	5.401G	31	5.545G	32	5.312G
33	5.416G	34	5.614G	35	5.670G	36	5.555G
37	5.267G	38	5.390G	39	5.469G	40	5.603G
41	5.511G	42	5.519G	43	5.340G	44	5.460G
45	5.689G	46	5.369G	47	5.323G	48	5.513G
49	5.426G	50	5.457G	51	5.387G	52	5.316G
53	5.264G	54	5.430G	55	5.566G	56	5.381G
57	5.260G	58	5.521G	59	5.713G	60	5.293G
61	5.296G	62	5.550G	63	5.508G	64	5.647G
65	5.373G	66	5.528G	67	5.329G	68	5.302G
69	5.674G	70	5.544G	71	5.383G	72	5.569G
73	5.480G	74	5.558G	75	5.414G	76	5.286G
77	5.506G	78	5.375G	79	5.542G	80	5.298G
81	5.271G	82	5.585G	83	5.410G	84	5.505G
85	5.470G	86	5.677G	87	5.591G	88	5.273G
89	5.467G	90	5.365G	91	5.372G	92	5.559G
93	5.331G	94	5.573G	95	5.541G	96	5.644G
97	5.645G	98	5.649G	99	5.671G	100	5.667G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.371G	2	5.688G	3	5.528G	4	5.598G
5	5.430G	6	5.324G	7	5.253G	8	5.647G
9	5.541G	10	5.507G	11	5.465G	12	5.607G
13	5.658G	14	5.481G	15	5.434G	16	5.295G
17	5.573G	18	5.709G	19	5.684G	20	5.421G
21	5.566G	22	5.301G	23	5.645G	24	5.480G
25	5.683G	26	5.380G	27	5.251G	28	5.269G
29	5.375G	30	5.357G	31	5.600G	32	5.713G
33	5.588G	34	5.700G	35	5.611G	36	5.280G
37	5.667G	38	5.298G	39	5.438G	40	5.666G
41	5.539G	42	5.687G	43	5.617G	44	5.511G
45	5.327G	46	5.673G	47	5.613G	48	5.452G
49	5.685G	50	5.386G	51	5.379G	52	5.559G
53	5.460G	54	5.353G	55	5.377G	56	5.572G
57	5.586G	58	5.266G	59	5.714G	60	5.385G
61	5.534G	62	5.651G	63	5.668G	64	5.294G
65	5.330G	66	5.515G	67	5.400G	68	5.649G
69	5.587G	70	5.710G	71	5.519G	72	5.563G
73	5.603G	74	5.672G	75	5.618G	76	5.632G
77	5.355G	78	5.527G	79	5.382G	80	5.271G
81	5.592G	82	5.568G	83	5.413G	84	5.369G
85	5.425G	86	5.302G	87	5.284G	88	5.444G
89	5.580G	90	5.706G	91	5.636G	92	5.338G
93	5.367G	94	5.697G	95	5.478G	96	5.595G
97	5.259G	98	5.548G	99	5.718G	100	5.364G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.715G	2	5.320G	3	5.494G	4	5.402G
5	5.447G	6	5.405G	7	5.340G	8	5.353G
9	5.533G	10	5.663G	11	5.503G	12	5.525G
13	5.290G	14	5.676G	15	5.301G	16	5.270G
17	5.321G	18	5.272G	19	5.283G	20	5.702G
21	5.705G	22	5.607G	23	5.691G	24	5.646G
25	5.397G	26	5.603G	27	5.286G	28	5.386G
29	5.588G	30	5.295G	31	5.569G	32	5.258G
33	5.693G	34	5.491G	35	5.565G	36	5.433G
37	5.557G	38	5.331G	39	5.711G	40	5.576G
41	5.496G	42	5.562G	43	5.288G	44	5.399G
45	5.542G	46	5.284G	47	5.396G	48	5.712G
49	5.595G	50	5.375G	51	5.573G	52	5.653G
53	5.530G	54	5.268G	55	5.649G	56	5.720G
57	5.614G	58	5.313G	59	5.309G	60	5.639G
61	5.583G	62	5.669G	63	5.637G	64	5.339G
65	5.642G	66	5.643G	67	5.538G	68	5.501G
69	5.316G	70	5.520G	71	5.700G	72	5.605G
73	5.624G	74	5.585G	75	5.659G	76	5.451G
77	5.619G	78	5.382G	79	5.323G	80	5.508G
81	5.338G	82	5.400G	83	5.572G	84	5.374G
85	5.717G	86	5.495G	87	5.502G	88	5.519G
89	5.425G	90	5.560G	91	5.716G	92	5.638G
93	5.657G	94	5.269G	95	5.556G	96	5.505G
97	5.299G	98	5.416G	99	5.372G	100	5.678G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.620G	2	5.572G	3	5.547G	4	5.324G
5	5.480G	6	5.326G	7	5.371G	8	5.651G
9	5.285G	10	5.641G	11	5.652G	12	5.598G
13	5.650G	14	5.546G	15	5.430G	16	5.720G
17	5.423G	18	5.639G	19	5.386G	20	5.623G
21	5.391G	22	5.716G	23	5.276G	24	5.533G
25	5.282G	26	5.495G	27	5.310G	28	5.667G
29	5.513G	30	5.611G	31	5.421G	32	5.614G
33	5.713G	34	5.695G	35	5.581G	36	5.599G
37	5.288G	38	5.555G	39	5.494G	40	5.267G
41	5.270G	42	5.474G	43	5.517G	44	5.678G
45	5.642G	46	5.538G	47	5.399G	48	5.428G
49	5.586G	50	5.268G	51	5.273G	52	5.509G
53	5.362G	54	5.286G	55	5.573G	56	5.427G
57	5.683G	58	5.315G	59	5.264G	60	5.412G
61	5.645G	62	5.400G	63	5.663G	64	5.465G
65	5.594G	66	5.692G	67	5.347G	68	5.483G
69	5.724G	70	5.335G	71	5.348G	72	5.689G
73	5.352G	74	5.563G	75	5.316G	76	5.588G
77	5.431G	78	5.458G	79	5.281G	80	5.600G
81	5.409G	82	5.625G	83	5.691G	84	5.698G
85	5.582G	86	5.628G	87	5.442G	88	5.499G
89	5.416G	90	5.438G	91	5.340G	92	5.512G
93	5.289G	94	5.462G	95	5.701G	96	5.354G
97	5.492G	98	5.418G	99	5.503G	100	5.498G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.370G	2	5.668G	3	5.652G	4	5.355G
5	5.446G	6	5.654G	7	5.430G	8	5.339G
9	5.661G	10	5.719G	11	5.410G	12	5.374G
13	5.567G	14	5.369G	15	5.628G	16	5.488G
17	5.541G	18	5.434G	19	5.596G	20	5.381G
21	5.292G	22	5.510G	23	5.600G	24	5.672G
25	5.544G	26	5.680G	27	5.608G	28	5.476G
29	5.575G	30	5.660G	31	5.533G	32	5.371G
33	5.469G	34	5.326G	35	5.464G	36	5.257G
37	5.387G	38	5.353G	39	5.650G	40	5.621G
41	5.343G	42	5.684G	43	5.461G	44	5.501G
45	5.470G	46	5.495G	47	5.659G	48	5.459G
49	5.295G	50	5.442G	51	5.263G	52	5.616G
53	5.642G	54	5.670G	55	5.428G	56	5.613G
57	5.558G	58	5.638G	59	5.340G	60	5.373G
61	5.408G	62	5.318G	63	5.705G	64	5.281G
65	5.605G	66	5.502G	67	5.262G	68	5.436G
69	5.413G	70	5.463G	71	5.496G	72	5.409G
73	5.396G	74	5.707G	75	5.269G	76	5.545G
77	5.384G	78	5.366G	79	5.280G	80	5.441G
81	5.431G	82	5.516G	83	5.308G	84	5.570G
85	5.454G	86	5.549G	87	5.350G	88	5.452G
89	5.700G	90	5.641G	91	5.360G	92	5.376G
93	5.525G	94	5.334G	95	5.323G	96	5.415G
97	5.499G	98	5.429G	99	5.701G	100	5.332G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.647G	2	5.379G	3	5.674G	4	5.401G
5	5.339G	6	5.649G	7	5.514G	8	5.453G
9	5.612G	10	5.254G	11	5.279G	12	5.281G
13	5.616G	14	5.416G	15	5.393G	16	5.298G
17	5.681G	18	5.709G	19	5.645G	20	5.396G
21	5.362G	22	5.405G	23	5.661G	24	5.459G
25	5.606G	26	5.400G	27	5.250G	28	5.331G
29	5.723G	30	5.641G	31	5.429G	32	5.708G
33	5.285G	34	5.434G	35	5.662G	36	5.496G
37	5.482G	38	5.717G	39	5.407G	40	5.582G
41	5.646G	42	5.402G	43	5.642G	44	5.378G
45	5.604G	46	5.570G	47	5.529G	48	5.282G
49	5.256G	50	5.554G	51	5.255G	52	5.431G
53	5.622G	54	5.685G	55	5.318G	56	5.512G
57	5.435G	58	5.556G	59	5.322G	60	5.656G
61	5.273G	62	5.252G	63	5.380G	64	5.456G
65	5.360G	66	5.488G	67	5.559G	68	5.348G
69	5.505G	70	5.587G	71	5.639G	72	5.523G
73	5.392G	74	5.455G	75	5.342G	76	5.533G
77	5.689G	78	5.478G	79	5.480G	80	5.696G
81	5.567G	82	5.654G	83	5.589G	84	5.301G
85	5.489G	86	5.597G	87	5.706G	88	5.553G
89	5.522G	90	5.399G	91	5.260G	92	5.417G
93	5.358G	94	5.290G	95	5.643G	96	5.419G
97	5.430G	98	5.588G	99	5.580G	100	5.310G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.575G	2	5.678G	3	5.600G	4	5.383G
5	5.485G	6	5.418G	7	5.255G	8	5.666G
9	5.658G	10	5.550G	11	5.480G	12	5.594G
13	5.459G	14	5.292G	15	5.606G	16	5.291G
17	5.447G	18	5.398G	19	5.545G	20	5.518G
21	5.416G	22	5.449G	23	5.548G	24	5.569G
25	5.508G	26	5.707G	27	5.506G	28	5.294G
29	5.672G	30	5.273G	31	5.498G	32	5.668G
33	5.552G	34	5.565G	35	5.369G	36	5.464G
37	5.696G	38	5.323G	39	5.484G	40	5.328G
41	5.411G	42	5.259G	43	5.261G	44	5.387G
45	5.705G	46	5.395G	47	5.342G	48	5.693G
49	5.373G	50	5.413G	51	5.473G	52	5.394G
53	5.388G	54	5.263G	55	5.677G	56	5.456G
57	5.602G	58	5.378G	59	5.715G	60	5.555G
61	5.617G	62	5.297G	63	5.662G	64	5.283G
65	5.385G	66	5.695G	67	5.423G	68	5.489G
69	5.539G	70	5.356G	71	5.642G	72	5.630G
73	5.371G	74	5.567G	75	5.638G	76	5.604G
77	5.496G	78	5.618G	79	5.579G	80	5.559G
81	5.530G	82	5.628G	83	5.675G	84	5.443G
85	5.649G	86	5.682G	87	5.591G	88	5.684G
89	5.692G	90	5.511G	91	5.452G	92	5.341G
93	5.657G	94	5.608G	95	5.483G	96	5.671G
97	5.417G	98	5.428G	99	5.514G	100	5.517G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.401G	2	5.639G	3	5.455G	4	5.618G
5	5.570G	6	5.355G	7	5.506G	8	5.476G
9	5.262G	10	5.659G	11	5.336G	12	5.607G
13	5.658G	14	5.675G	15	5.410G	16	5.420G
17	5.430G	18	5.705G	19	5.383G	20	5.501G
21	5.608G	22	5.577G	23	5.371G	24	5.534G
25	5.460G	26	5.436G	27	5.352G	28	5.565G
29	5.471G	30	5.551G	31	5.588G	32	5.495G
33	5.398G	34	5.497G	35	5.429G	36	5.321G
37	5.409G	38	5.464G	39	5.330G	40	5.528G
41	5.523G	42	5.657G	43	5.317G	44	5.546G
45	5.529G	46	5.432G	47	5.537G	48	5.276G
49	5.585G	50	5.518G	51	5.481G	52	5.291G
53	5.309G	54	5.519G	55	5.488G	56	5.526G
57	5.638G	58	5.340G	59	5.690G	60	5.535G
61	5.437G	62	5.610G	63	5.693G	64	5.385G
65	5.378G	66	5.508G	67	5.539G	68	5.324G
69	5.402G	70	5.628G	71	5.722G	72	5.288G
73	5.589G	74	5.300G	75	5.599G	76	5.492G
77	5.627G	78	5.687G	79	5.376G	80	5.662G
81	5.369G	82	5.643G	83	5.360G	84	5.724G
85	5.269G	86	5.571G	87	5.348G	88	5.536G
89	5.510G	90	5.663G	91	5.393G	92	5.370G
93	5.339G	94	5.344G	95	5.472G	96	5.384G
97	5.463G	98	5.407G	99	5.616G	100	5.287G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.587G	2	5.529G	3	5.667G	4	5.599G
5	5.446G	6	5.512G	7	5.547G	8	5.480G
9	5.273G	10	5.614G	11	5.552G	12	5.515G
13	5.356G	14	5.521G	15	5.645G	16	5.385G
17	5.450G	18	5.571G	19	5.438G	20	5.635G
21	5.675G	22	5.359G	23	5.517G	24	5.651G
25	5.581G	26	5.648G	27	5.398G	28	5.430G
29	5.570G	30	5.402G	31	5.328G	32	5.263G
33	5.418G	34	5.432G	35	5.403G	36	5.548G
37	5.579G	38	5.718G	39	5.720G	40	5.371G
41	5.528G	42	5.471G	43	5.708G	44	5.582G
45	5.426G	46	5.506G	47	5.387G	48	5.615G
49	5.510G	50	5.368G	51	5.457G	52	5.673G
53	5.653G	54	5.458G	55	5.557G	56	5.415G
57	5.362G	58	5.542G	59	5.389G	60	5.558G
61	5.423G	62	5.594G	63	5.447G	64	5.479G
65	5.404G	66	5.716G	67	5.555G	68	5.357G
69	5.722G	70	5.332G	71	5.719G	72	5.372G
73	5.373G	74	5.622G	75	5.567G	76	5.612G
77	5.271G	78	5.252G	79	5.297G	80	5.353G
81	5.335G	82	5.421G	83	5.363G	84	5.313G
85	5.496G	86	5.257G	87	5.533G	88	5.689G
89	5.410G	90	5.676G	91	5.445G	92	5.251G
93	5.409G	94	5.632G	95	5.575G	96	5.333G
97	5.365G	98	5.334G	99	5.702G	100	5.434G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.401G	2	5.283G	3	5.382G	4	5.656G
5	5.253G	6	5.695G	7	5.463G	8	5.404G
9	5.645G	10	5.577G	11	5.550G	12	5.584G
13	5.417G	14	5.285G	15	5.625G	16	5.652G
17	5.361G	18	5.689G	19	5.680G	20	5.610G
21	5.460G	22	5.290G	23	5.465G	24	5.452G
25	5.262G	26	5.263G	27	5.284G	28	5.657G
29	5.381G	30	5.437G	31	5.339G	32	5.663G
33	5.504G	34	5.409G	35	5.487G	36	5.633G
37	5.613G	38	5.492G	39	5.637G	40	5.377G
41	5.513G	42	5.614G	43	5.540G	44	5.459G
45	5.616G	46	5.580G	47	5.544G	48	5.489G
49	5.666G	50	5.348G	51	5.296G	52	5.556G
53	5.688G	54	5.532G	55	5.609G	56	5.264G
57	5.711G	58	5.356G	59	5.303G	60	5.678G
61	5.484G	62	5.354G	63	5.665G	64	5.597G
65	5.574G	66	5.579G	67	5.647G	68	5.537G
69	5.539G	70	5.427G	71	5.658G	72	5.269G
73	5.541G	74	5.383G	75	5.287G	76	5.545G
77	5.331G	78	5.522G	79	5.395G	80	5.251G
81	5.526G	82	5.618G	83	5.668G	84	5.293G
85	5.286G	86	5.292G	87	5.722G	88	5.561G
89	5.640G	90	5.591G	91	5.423G	92	5.420G
93	5.316G	94	5.664G	95	5.543G	96	5.411G
97	5.553G	98	5.482G	99	5.517G	100	5.542G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.325G	2	5.419G	3	5.633G	4	5.489G
5	5.565G	6	5.272G	7	5.532G	8	5.553G
9	5.638G	10	5.653G	11	5.465G	12	5.361G
13	5.336G	14	5.343G	15	5.270G	16	5.291G
17	5.462G	18	5.661G	19	5.501G	20	5.525G
21	5.611G	22	5.627G	23	5.434G	24	5.297G
25	5.279G	26	5.647G	27	5.259G	28	5.450G
29	5.683G	30	5.663G	31	5.678G	32	5.498G
33	5.387G	34	5.521G	35	5.671G	36	5.646G
37	5.488G	38	5.571G	39	5.355G	40	5.529G
41	5.673G	42	5.302G	43	5.599G	44	5.268G
45	5.416G	46	5.404G	47	5.691G	48	5.643G
49	5.588G	50	5.358G	51	5.533G	52	5.566G
53	5.664G	54	5.438G	55	5.703G	56	5.468G
57	5.598G	58	5.486G	59	5.688G	60	5.676G
61	5.490G	62	5.422G	63	5.285G	64	5.721G
65	5.704G	66	5.680G	67	5.313G	68	5.662G
69	5.628G	70	5.443G	71	5.461G	72	5.634G
73	5.506G	74	5.473G	75	5.349G	76	5.432G
77	5.682G	78	5.591G	79	5.635G	80	5.294G
81	5.500G	82	5.650G	83	5.480G	84	5.562G
85	5.372G	86	5.392G	87	5.351G	88	5.552G
89	5.504G	90	5.601G	91	5.459G	92	5.311G
93	5.442G	94	5.697G	95	5.466G	96	5.369G
97	5.367G	98	5.352G	99	5.575G	100	5.531G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.714G	2	5.712G	3	5.337G	4	5.460G
5	5.568G	6	5.649G	7	5.606G	8	5.435G
9	5.720G	10	5.661G	11	5.370G	12	5.585G
13	5.488G	14	5.276G	15	5.503G	16	5.290G
17	5.546G	18	5.487G	19	5.700G	20	5.373G
21	5.500G	22	5.533G	23	5.270G	24	5.475G
25	5.662G	26	5.328G	27	5.629G	28	5.510G
29	5.670G	30	5.364G	31	5.252G	32	5.315G
33	5.355G	34	5.602G	35	5.472G	36	5.708G
37	5.518G	38	5.596G	39	5.685G	40	5.457G
41	5.575G	42	5.346G	43	5.636G	44	5.469G
45	5.471G	46	5.444G	47	5.595G	48	5.506G
49	5.563G	50	5.610G	51	5.630G	52	5.659G
53	5.699G	54	5.551G	55	5.683G	56	5.251G
57	5.478G	58	5.535G	59	5.464G	60	5.320G
61	5.691G	62	5.359G	63	5.643G	64	5.555G
65	5.653G	66	5.716G	67	5.567G	68	5.552G
69	5.429G	70	5.498G	71	5.724G	72	5.587G
73	5.323G	74	5.620G	75	5.495G	76	5.485G
77	5.573G	78	5.326G	79	5.393G	80	5.448G
81	5.463G	82	5.336G	83	5.558G	84	5.722G
85	5.490G	86	5.466G	87	5.706G	88	5.330G
89	5.538G	90	5.536G	91	5.324G	92	5.601G
93	5.351G	94	5.687G	95	5.553G	96	5.480G
97	5.600G	98	5.642G	99	5.343G	100	5.634G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.719G	2	5.658G	3	5.595G	4	5.379G
5	5.433G	6	5.486G	7	5.492G	8	5.626G
9	5.307G	10	5.443G	11	5.637G	12	5.527G
13	5.424G	14	5.555G	15	5.425G	16	5.602G
17	5.502G	18	5.369G	19	5.482G	20	5.700G
21	5.326G	22	5.348G	23	5.386G	24	5.644G
25	5.341G	26	5.557G	27	5.438G	28	5.573G
29	5.528G	30	5.273G	31	5.582G	32	5.484G
33	5.711G	34	5.355G	35	5.412G	36	5.631G
37	5.549G	38	5.693G	39	5.667G	40	5.491G
41	5.461G	42	5.365G	43	5.268G	44	5.558G
45	5.475G	46	5.258G	47	5.423G	48	5.615G
49	5.323G	50	5.512G	51	5.584G	52	5.287G
53	5.570G	54	5.544G	55	5.585G	56	5.511G
57	5.420G	58	5.468G	59	5.493G	60	5.487G
61	5.281G	62	5.576G	63	5.338G	64	5.508G
65	5.427G	66	5.474G	67	5.633G	68	5.638G
69	5.534G	70	5.686G	71	5.530G	72	5.362G
73	5.630G	74	5.665G	75	5.697G	76	5.643G
77	5.408G	78	5.435G	79	5.525G	80	5.709G
81	5.310G	82	5.359G	83	5.479G	84	5.293G
85	5.411G	86	5.553G	87	5.720G	88	5.688G
89	5.672G	90	5.501G	91	5.547G	92	5.302G
93	5.300G	94	5.497G	95	5.629G	96	5.446G
97	5.290G	98	5.296G	99	5.317G	100	5.284G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.684G	2	5.631G	3	5.295G	4	5.723G
5	5.677G	6	5.549G	7	5.703G	8	5.505G
9	5.532G	10	5.440G	11	5.399G	12	5.400G
13	5.707G	14	5.318G	15	5.351G	16	5.531G
17	5.647G	18	5.690G	19	5.556G	20	5.304G
21	5.661G	22	5.419G	23	5.546G	24	5.339G
25	5.706G	26	5.418G	27	5.441G	28	5.587G
29	5.272G	30	5.450G	31	5.445G	32	5.345G
33	5.629G	34	5.258G	35	5.576G	36	5.262G
37	5.635G	38	5.637G	39	5.321G	40	5.495G
41	5.414G	42	5.678G	43	5.601G	44	5.699G
45	5.589G	46	5.313G	47	5.552G	48	5.715G
49	5.615G	50	5.269G	51	5.310G	52	5.679G
53	5.514G	54	5.352G	55	5.611G	56	5.384G
57	5.252G	58	5.398G	59	5.588G	60	5.584G
61	5.550G	62	5.688G	63	5.330G	64	5.426G
65	5.453G	66	5.283G	67	5.716G	68	5.373G
69	5.581G	70	5.361G	71	5.421G	72	5.721G
73	5.659G	74	5.417G	75	5.329G	76	5.519G
77	5.554G	78	5.296G	79	5.594G	80	5.298G
81	5.250G	82	5.424G	83	5.509G	84	5.602G
85	5.652G	86	5.544G	87	5.282G	88	5.410G
89	5.475G	90	5.694G	91	5.483G	92	5.324G
93	5.518G	94	5.687G	95	5.427G	96	5.470G
97	5.512G	98	5.634G	99	5.538G	100	5.526G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.353G	2	5.575G	3	5.577G	4	5.435G
5	5.264G	6	5.351G	7	5.321G	8	5.344G
9	5.474G	10	5.602G	11	5.581G	12	5.265G
13	5.458G	14	5.706G	15	5.595G	16	5.263G
17	5.456G	18	5.271G	19	5.711G	20	5.553G
21	5.722G	22	5.669G	23	5.564G	24	5.287G
25	5.592G	26	5.528G	27	5.645G	28	5.328G
29	5.547G	30	5.560G	31	5.465G	32	5.309G
33	5.347G	34	5.499G	35	5.619G	36	5.590G
37	5.569G	38	5.503G	39	5.520G	40	5.395G
41	5.477G	42	5.448G	43	5.292G	44	5.476G
45	5.531G	46	5.360G	47	5.322G	48	5.307G
49	5.598G	50	5.600G	51	5.534G	52	5.603G
53	5.625G	54	5.689G	55	5.570G	56	5.331G
57	5.481G	58	5.576G	59	5.662G	60	5.276G
61	5.688G	62	5.585G	63	5.594G	64	5.362G
65	5.296G	66	5.342G	67	5.424G	68	5.566G
69	5.608G	70	5.679G	71	5.617G	72	5.652G
73	5.721G	74	5.291G	75	5.550G	76	5.447G
77	5.692G	78	5.666G	79	5.442G	80	5.637G
81	5.444G	82	5.471G	83	5.485G	84	5.374G
85	5.299G	86	5.639G	87	5.301G	88	5.313G
89	5.677G	90	5.396G	91	5.709G	92	5.563G
93	5.532G	94	5.614G	95	5.522G	96	5.524G
97	5.388G	98	5.710G	99	5.719G	100	5.400G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.628G	2	5.635G	3	5.334G	4	5.636G
5	5.696G	6	5.393G	7	5.683G	8	5.662G
9	5.518G	10	5.351G	11	5.667G	12	5.424G
13	5.386G	14	5.564G	15	5.265G	16	5.288G
17	5.693G	18	5.300G	19	5.336G	20	5.559G
21	5.560G	22	5.530G	23	5.653G	24	5.621G
25	5.398G	26	5.508G	27	5.440G	28	5.604G
29	5.721G	30	5.660G	31	5.452G	32	5.495G
33	5.252G	34	5.497G	35	5.709G	36	5.575G
37	5.584G	38	5.713G	39	5.435G	40	5.349G
41	5.666G	42	5.591G	43	5.468G	44	5.442G
45	5.272G	46	5.359G	47	5.462G	48	5.507G
49	5.702G	50	5.485G	51	5.392G	52	5.579G
53	5.590G	54	5.338G	55	5.429G	56	5.480G
57	5.296G	58	5.676G	59	5.278G	60	5.513G
61	5.524G	62	5.545G	63	5.389G	64	5.375G
65	5.324G	66	5.573G	67	5.708G	68	5.266G
69	5.537G	70	5.578G	71	5.304G	72	5.583G
73	5.505G	74	5.690G	75	5.576G	76	5.263G
77	5.685G	78	5.610G	79	5.570G	80	5.541G
81	5.395G	82	5.515G	83	5.335G	84	5.390G
85	5.651G	86	5.680G	87	5.701G	88	5.723G
89	5.281G	90	5.681G	91	5.617G	92	5.455G
93	5.428G	94	5.565G	95	5.558G	96	5.303G
97	5.629G	98	5.284G	99	5.631G	100	5.387G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.482G	2	5.485G	3	5.559G	4	5.375G
5	5.599G	6	5.362G	7	5.710G	8	5.682G
9	5.569G	10	5.523G	11	5.281G	12	5.584G
13	5.449G	14	5.676G	15	5.575G	16	5.711G
17	5.358G	18	5.608G	19	5.367G	20	5.286G
21	5.646G	22	5.645G	23	5.655G	24	5.458G
25	5.270G	26	5.307G	27	5.287G	28	5.310G
29	5.508G	30	5.478G	31	5.525G	32	5.513G
33	5.392G	34	5.338G	35	5.341G	36	5.295G
37	5.530G	38	5.434G	39	5.588G	40	5.499G
41	5.688G	42	5.636G	43	5.640G	44	5.333G
45	5.643G	46	5.317G	47	5.262G	48	5.353G
49	5.560G	50	5.314G	51	5.639G	52	5.283G
53	5.318G	54	5.401G	55	5.631G	56	5.526G
57	5.450G	58	5.312G	59	5.385G	60	5.540G
61	5.394G	62	5.538G	63	5.326G	64	5.647G
65	5.495G	66	5.610G	67	5.504G	68	5.553G
69	5.472G	70	5.672G	71	5.336G	72	5.431G
73	5.308G	74	5.496G	75	5.613G	76	5.603G
77	5.708G	78	5.557G	79	5.715G	80	5.253G
81	5.587G	82	5.429G	83	5.361G	84	5.457G
85	5.414G	86	5.696G	87	5.535G	88	5.322G
89	5.487G	90	5.442G	91	5.703G	92	5.556G
93	5.399G	94	5.419G	95	5.405G	96	5.657G
97	5.568G	98	5.297G	99	5.369G	100	5.694G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.543G	2	5.315G	3	5.312G	4	5.406G
5	5.302G	6	5.538G	7	5.454G	8	5.252G
9	5.578G	10	5.561G	11	5.277G	12	5.418G
13	5.304G	14	5.665G	15	5.517G	16	5.443G
17	5.656G	18	5.391G	19	5.685G	20	5.621G
21	5.276G	22	5.333G	23	5.601G	24	5.719G
25	5.310G	26	5.699G	27	5.670G	28	5.482G
29	5.502G	30	5.537G	31	5.291G	32	5.605G
33	5.516G	34	5.452G	35	5.421G	36	5.633G
37	5.329G	38	5.509G	39	5.570G	40	5.646G
41	5.712G	42	5.257G	43	5.581G	44	5.706G
45	5.666G	46	5.394G	47	5.680G	48	5.432G
49	5.386G	50	5.318G	51	5.558G	52	5.444G
53	5.541G	54	5.639G	55	5.466G	56	5.420G
57	5.703G	58	5.442G	59	5.695G	60	5.358G
61	5.480G	62	5.677G	63	5.419G	64	5.498G
65	5.384G	66	5.453G	67	5.297G	68	5.572G
69	5.586G	70	5.580G	71	5.508G	72	5.700G
73	5.589G	74	5.341G	75	5.361G	76	5.525G
77	5.298G	78	5.254G	79	5.374G	80	5.408G
81	5.603G	82	5.272G	83	5.470G	84	5.694G
85	5.354G	86	5.587G	87	5.483G	88	5.426G
89	5.515G	90	5.462G	91	5.710G	92	5.390G
93	5.278G	94	5.507G	95	5.531G	96	5.299G
97	5.366G	98	5.448G	99	5.469G	100	5.674G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.533G	2	5.565G	3	5.719G	4	5.425G
5	5.620G	6	5.343G	7	5.492G	8	5.657G
9	5.637G	10	5.502G	11	5.420G	12	5.273G
13	5.599G	14	5.495G	15	5.580G	16	5.259G
17	5.381G	18	5.499G	19	5.650G	20	5.529G
21	5.509G	22	5.623G	23	5.407G	24	5.375G
25	5.254G	26	5.391G	27	5.490G	28	5.552G
29	5.392G	30	5.672G	31	5.631G	32	5.290G
33	5.397G	34	5.359G	35	5.674G	36	5.432G
37	5.645G	38	5.288G	39	5.584G	40	5.337G
41	5.405G	42	5.341G	43	5.715G	44	5.335G
45	5.480G	46	5.267G	47	5.570G	48	5.618G
49	5.289G	50	5.365G	51	5.363G	52	5.421G
53	5.366G	54	5.325G	55	5.329G	56	5.667G
57	5.412G	58	5.537G	59	5.666G	60	5.612G
61	5.713G	62	5.647G	63	5.332G	64	5.390G
65	5.292G	66	5.634G	67	5.373G	68	5.250G
69	5.380G	70	5.658G	71	5.428G	72	5.694G
73	5.296G	74	5.347G	75	5.446G	76	5.453G
77	5.723G	78	5.368G	79	5.605G	80	5.485G
81	5.665G	82	5.602G	83	5.481G	84	5.272G
85	5.578G	86	5.354G	87	5.698G	88	5.382G
89	5.447G	90	5.284G	91	5.662G	92	5.372G
93	5.528G	94	5.398G	95	5.488G	96	5.322G
97	5.686G	98	5.411G	99	5.629G	100	5.468G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.300G	2	5.413G	3	5.527G	4	5.630G
5	5.549G	6	5.383G	7	5.386G	8	5.258G
9	5.662G	10	5.359G	11	5.637G	12	5.560G
13	5.324G	14	5.478G	15	5.348G	16	5.317G
17	5.259G	18	5.686G	19	5.674G	20	5.406G
21	5.699G	22	5.272G	23	5.703G	24	5.283G
25	5.368G	26	5.716G	27	5.261G	28	5.544G
29	5.573G	30	5.392G	31	5.388G	32	5.412G
33	5.411G	34	5.640G	35	5.615G	36	5.419G
37	5.442G	38	5.405G	39	5.468G	40	5.628G
41	5.601G	42	5.490G	43	5.328G	44	5.535G
45	5.495G	46	5.420G	47	5.589G	48	5.410G
49	5.477G	50	5.387G	51	5.438G	52	5.570G
53	5.369G	54	5.697G	55	5.598G	56	5.604G
57	5.585G	58	5.301G	59	5.367G	60	5.273G
61	5.552G	62	5.612G	63	5.581G	64	5.487G
65	5.575G	66	5.608G	67	5.556G	68	5.253G
69	5.380G	70	5.357G	71	5.454G	72	5.362G
73	5.536G	74	5.403G	75	5.313G	76	5.611G
77	5.270G	78	5.341G	79	5.620G	80	5.721G
81	5.271G	82	5.356G	83	5.537G	84	5.626G
85	5.476G	86	5.631G	87	5.345G	88	5.374G
89	5.294G	90	5.334G	91	5.276G	92	5.354G
93	5.277G	94	5.325G	95	5.705G	96	5.304G
97	5.508G	98	5.694G	99	5.466G	100	5.684G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.455G	2	5.514G	3	5.291G	4	5.602G
5	5.319G	6	5.640G	7	5.386G	8	5.603G
9	5.539G	10	5.611G	11	5.572G	12	5.654G
13	5.484G	14	5.635G	15	5.388G	16	5.429G
17	5.432G	18	5.694G	19	5.353G	20	5.542G
21	5.390G	22	5.380G	23	5.267G	24	5.510G
25	5.336G	26	5.549G	27	5.680G	28	5.486G
29	5.618G	30	5.629G	31	5.528G	32	5.443G
33	5.278G	34	5.440G	35	5.720G	36	5.449G
37	5.303G	38	5.400G	39	5.273G	40	5.441G
41	5.460G	42	5.430G	43	5.281G	44	5.379G
45	5.405G	46	5.475G	47	5.264G	48	5.424G
49	5.587G	50	5.409G	51	5.527G	52	5.412G
53	5.659G	54	5.382G	55	5.701G	56	5.376G
57	5.678G	58	5.512G	59	5.394G	60	5.418G
61	5.699G	62	5.308G	63	5.566G	64	5.485G
65	5.324G	66	5.498G	67	5.652G	68	5.439G
69	5.529G	70	5.493G	71	5.667G	72	5.488G
73	5.320G	74	5.709G	75	5.564G	76	5.584G
77	5.442G	78	5.509G	79	5.331G	80	5.309G
81	5.552G	82	5.262G	83	5.590G	84	5.521G
85	5.571G	86	5.398G	87	5.255G	88	5.325G
89	5.595G	90	5.403G	91	5.517G	92	5.669G
93	5.724G	94	5.530G	95	5.389G	96	5.452G
97	5.288G	98	5.356G	99	5.435G	100	5.717G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.720G	2	5.512G	3	5.337G	4	5.426G
5	5.308G	6	5.414G	7	5.420G	8	5.390G
9	5.713G	10	5.623G	11	5.383G	12	5.286G
13	5.577G	14	5.281G	15	5.554G	16	5.504G
17	5.678G	18	5.547G	19	5.460G	20	5.641G
21	5.361G	22	5.250G	23	5.522G	24	5.611G
25	5.462G	26	5.705G	27	5.718G	28	5.435G
29	5.564G	30	5.663G	31	5.423G	32	5.649G
33	5.422G	34	5.272G	35	5.376G	36	5.665G
37	5.528G	38	5.660G	39	5.482G	40	5.614G
41	5.519G	42	5.431G	43	5.464G	44	5.525G
45	5.692G	46	5.254G	47	5.265G	48	5.345G
49	5.536G	50	5.382G	51	5.598G	52	5.603G
53	5.465G	54	5.342G	55	5.488G	56	5.558G
57	5.534G	58	5.469G	59	5.521G	60	5.445G
61	5.316G	62	5.639G	63	5.496G	64	5.499G
65	5.708G	66	5.646G	67	5.587G	68	5.351G
69	5.700G	70	5.664G	71	5.619G	72	5.313G
73	5.716G	74	5.360G	75	5.717G	76	5.419G
77	5.291G	78	5.323G	79	5.669G	80	5.694G
81	5.498G	82	5.432G	83	5.373G	84	5.622G
85	5.289G	86	5.309G	87	5.637G	88	5.317G
89	5.628G	90	5.474G	91	5.406G	92	5.618G
93	5.483G	94	5.413G	95	5.497G	96	5.356G
97	5.533G	98	5.456G	99	5.699G	100	5.538G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.310G	2	5.414G	3	5.451G	4	5.553G
5	5.321G	6	5.715G	7	5.467G	8	5.723G
9	5.299G	10	5.557G	11	5.513G	12	5.443G
13	5.470G	14	5.662G	15	5.718G	16	5.703G
17	5.604G	18	5.283G	19	5.411G	20	5.638G
21	5.298G	22	5.348G	23	5.559G	24	5.391G
25	5.320G	26	5.679G	27	5.408G	28	5.608G
29	5.428G	30	5.479G	31	5.641G	32	5.562G
33	5.716G	34	5.558G	35	5.544G	36	5.352G
37	5.456G	38	5.624G	39	5.567G	40	5.691G
41	5.276G	42	5.616G	43	5.250G	44	5.342G
45	5.329G	46	5.658G	47	5.319G	48	5.594G
49	5.482G	50	5.403G	51	5.706G	52	5.556G
53	5.684G	54	5.632G	55	5.659G	56	5.281G
57	5.654G	58	5.296G	59	5.551G	60	5.573G
61	5.360G	62	5.613G	63	5.346G	64	5.611G
65	5.642G	66	5.615G	67	5.481G	68	5.397G
69	5.670G	70	5.566G	71	5.339G	72	5.264G
73	5.303G	74	5.497G	75	5.627G	76	5.338G
77	5.450G	78	5.364G	79	5.592G	80	5.390G
81	5.577G	82	5.448G	83	5.572G	84	5.490G
85	5.699G	86	5.646G	87	5.619G	88	5.505G
89	5.405G	90	5.392G	91	5.721G	92	5.671G
93	5.464G	94	5.488G	95	5.538G	96	5.445G
97	5.543G	98	5.412G	99	5.277G	100	5.599G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.388G	2	5.723G	3	5.705G	4	5.491G
5	5.384G	6	5.619G	7	5.368G	8	5.607G
9	5.432G	10	5.701G	11	5.597G	12	5.363G
13	5.679G	14	5.397G	15	5.543G	16	5.256G
17	5.281G	18	5.587G	19	5.443G	20	5.649G
21	5.446G	22	5.395G	23	5.328G	24	5.670G
25	5.536G	26	5.473G	27	5.303G	28	5.476G
29	5.692G	30	5.695G	31	5.263G	32	5.502G
33	5.489G	34	5.661G	35	5.539G	36	5.371G
37	5.350G	38	5.538G	39	5.311G	40	5.374G
41	5.608G	42	5.447G	43	5.616G	44	5.282G
45	5.583G	46	5.722G	47	5.454G	48	5.653G
49	5.326G	50	5.436G	51	5.582G	52	5.294G
53	5.426G	54	5.691G	55	5.552G	56	5.469G
57	5.634G	58	5.550G	59	5.674G	60	5.588G
61	5.387G	62	5.334G	63	5.623G	64	5.631G
65	5.385G	66	5.348G	67	5.422G	68	5.330G
69	5.297G	70	5.572G	71	5.712G	72	5.640G
73	5.666G	74	5.449G	75	5.622G	76	5.442G
77	5.345G	78	5.490G	79	5.659G	80	5.641G
81	5.519G	82	5.290G	83	5.650G	84	5.313G
85	5.683G	86	5.335G	87	5.261G	88	5.525G
89	5.366G	90	5.300G	91	5.354G	92	5.545G
93	5.613G	94	5.574G	95	5.713G	96	5.563G
97	5.372G	98	5.408G	99	5.425G	100	5.534G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.692G	2	5.259G	3	5.603G	4	5.444G
5	5.659G	6	5.412G	7	5.619G	8	5.260G
9	5.689G	10	5.316G	11	5.297G	12	5.313G
13	5.488G	14	5.269G	15	5.446G	16	5.545G
17	5.649G	18	5.449G	19	5.443G	20	5.620G
21	5.429G	22	5.515G	23	5.601G	24	5.598G
25	5.564G	26	5.466G	27	5.578G	28	5.653G
29	5.328G	30	5.560G	31	5.648G	32	5.437G
33	5.501G	34	5.471G	35	5.625G	36	5.363G
37	5.442G	38	5.507G	39	5.416G	40	5.721G
41	5.361G	42	5.289G	43	5.711G	44	5.523G
45	5.295G	46	5.476G	47	5.425G	48	5.541G
49	5.395G	50	5.299G	51	5.618G	52	5.459G
53	5.520G	54	5.643G	55	5.308G	56	5.597G
57	5.448G	58	5.724G	59	5.543G	60	5.717G
61	5.723G	62	5.581G	63	5.377G	64	5.533G
65	5.357G	66	5.555G	67	5.535G	68	5.264G
69	5.482G	70	5.390G	71	5.559G	72	5.656G
73	5.539G	74	5.254G	75	5.450G	76	5.266G
77	5.701G	78	5.574G	79	5.278G	80	5.346G
81	5.267G	82	5.309G	83	5.315G	84	5.660G
85	5.367G	86	5.614G	87	5.403G	88	5.460G
89	5.312G	90	5.337G	91	5.292G	92	5.310G
93	5.445G	94	5.347G	95	5.562G	96	5.529G
97	5.505G	98	5.534G	99	5.644G	100	5.489G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.403G	2	5.281G	3	5.586G	4	5.324G
5	5.501G	6	5.575G	7	5.338G	8	5.302G
9	5.348G	10	5.640G	11	5.521G	12	5.552G
13	5.273G	14	5.571G	15	5.592G	16	5.522G
17	5.539G	18	5.638G	19	5.677G	20	5.259G
21	5.372G	22	5.479G	23	5.615G	24	5.444G
25	5.566G	26	5.452G	27	5.339G	28	5.362G
29	5.317G	30	5.287G	31	5.410G	32	5.593G
33	5.544G	34	5.668G	35	5.395G	36	5.280G
37	5.690G	38	5.505G	39	5.561G	40	5.391G
41	5.449G	42	5.717G	43	5.503G	44	5.279G
45	5.720G	46	5.620G	47	5.441G	48	5.371G
49	5.724G	50	5.397G	51	5.437G	52	5.639G
53	5.472G	54	5.421G	55	5.645G	56	5.447G
57	5.637G	58	5.374G	59	5.267G	60	5.661G
61	5.560G	62	5.340G	63	5.365G	64	5.704G
65	5.507G	66	5.471G	67	5.649G	68	5.666G
69	5.618G	70	5.396G	71	5.545G	72	5.270G
73	5.407G	74	5.510G	75	5.415G	76	5.386G
77	5.644G	78	5.487G	79	5.351G	80	5.495G
81	5.630G	82	5.528G	83	5.428G	84	5.608G
85	5.716G	86	5.290G	87	5.675G	88	5.346G
89	5.621G	90	5.490G	91	5.658G	92	5.326G
93	5.266G	94	5.433G	95	5.623G	96	5.293G
97	5.602G	98	5.263G	99	5.494G	100	5.516G

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.663G	2	5.323G	3	5.417G	4	5.549G
5	5.675G	6	5.551G	7	5.610G	8	5.494G
9	5.657G	10	5.559G	11	5.547G	12	5.714G
13	5.627G	14	5.363G	15	5.496G	16	5.709G
17	5.296G	18	5.570G	19	5.560G	20	5.320G
21	5.629G	22	5.481G	23	5.616G	24	5.433G
25	5.504G	26	5.258G	27	5.688G	28	5.461G
29	5.272G	30	5.636G	31	5.715G	32	5.687G
33	5.475G	34	5.628G	35	5.372G	36	5.383G
37	5.449G	38	5.534G	39	5.631G	40	5.470G
41	5.681G	42	5.491G	43	5.314G	44	5.251G
45	5.439G	46	5.266G	47	5.567G	48	5.380G
49	5.538G	50	5.672G	51	5.710G	52	5.429G
53	5.646G	54	5.519G	55	5.601G	56	5.351G
57	5.632G	58	5.695G	59	5.253G	60	5.596G
61	5.420G	62	5.561G	63	5.617G	64	5.298G
65	5.583G	66	5.410G	67	5.307G	68	5.656G
69	5.542G	70	5.457G	71	5.723G	72	5.276G
73	5.490G	74	5.294G	75	5.530G	76	5.277G
77	5.501G	78	5.474G	79	5.444G	80	5.548G
81	5.505G	82	5.328G	83	5.264G	84	5.572G
85	5.484G	86	5.271G	87	5.661G	88	5.472G
89	5.424G	90	5.390G	91	5.477G	92	5.587G
93	5.495G	94	5.446G	95	5.310G	96	5.597G
97	5.674G	98	5.343G	99	5.364G	100	5.645G

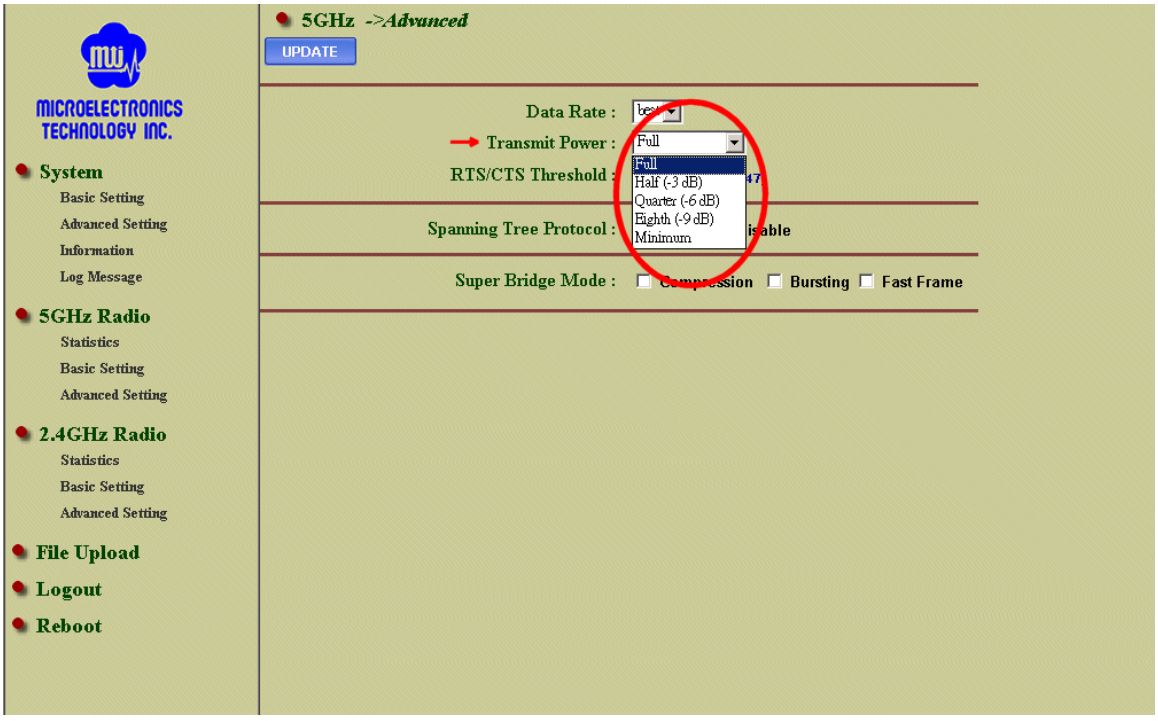
APPENDIX-C

TPC

Transmit Power Control (TPC)

In WLAN product of Microelectronics Technology Inc. (MTI), TPC is controlled by software and the user may adjust the Transmit Power level from web interface according to following procedure.

- In the left menu page, click "Advanced Setting" of 5GHz Radio. The page of 5GHz -> Advanced will be displayed on the right side.
- Click the pull down menu of "Transmit Power", there are 5 power levels for selection. Refer to the screenshot as below.
  - Full = Decided by the regulation of the channel
  - Half = Full - 3dB
  - Quarter = Full -6dB
  - Eighth = Full - 9dB
  - Minimum = Full - 12dB



Our 5GHz interface is for WLAN bridge purpose that is installed fixedly, so we implement manual TPC instead of automatic TPC on the product.