DFS Test Report

Report No.:	RF200320E01A-1
FCC ID:	I88C4000LZ
Test Model:	C4000LZ
Received Date:	Mar. 24, 2020
Test Date:	Aug. 08 to 14, 2020
Issued Date:	Sep. 11, 2020
Applicant:	Zyxel Communications Corporation
Address:	No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Testing Laboratory
2022

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Release Control Record

Issue No.	Description	Date Issued
RF200320E01A-1	Original release.	Sep. 11, 2020

1 Certificate of Conformity

Product:	Dual-Band Wireless AX VDSL2 Gigabit Gateway
Brand:	CenturyLink, ZYXEL
Test Model:	C4000LZ
Sample Status:	ENGINEERING SAMPLE
Applicant:	Zyxel Communications Corporation
Test Date:	Aug. 08 to 14, 2020
Standards:	FCC Part 15, Subpart E (Section 15.407)
References Test Guidance:	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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

Prepared by : Joyce Kuo , **Date:** Sep. 11, 2020

Joyce Kuo / Specialist

Approved by : , **Date:** Sep. 11, 2020

Clark Lin / Technical Manager

2 EUT Information

2.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands and Mode of EUT

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

2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

No.	Product	Model No.	Software/Firmware Version
1	Dual-Band Wireless AX VDSL2 Gigabit Gateway	C4000LZ	CZL001-8.4.005.0_DFS_0630

2.3 Description of Available Antennas to the EUT

Table 3: Antenna List

Antenna NO.	Chain NO.	Brand	Antenna Net Gain(dBi)	Frequency range	Antenna Type	Connector Type	Cable Length(mm)
2G_ANT1	Chain 0	M.gear	2.48	2.4~2.4835GHz	Dipole	i-pex(MHF)	108.5
5G_ANT1	Chain 0	M.gear	3.36	5.15~5.25GHz	Dipole	i-pex(MHF)	113.5
			3.45	5.25~5.35GHz			
			3.44	5.47~5.725GHz			
			3.36	5.725~5.85GHz			
2G_ANT2	Chain 1	M.gear	2.77	2.4~2.4835GHz	Dipole	i-pex(MHF)	148.5
5G_ANT2	Chain 1	M.gear	3.41	5.15~5.25GHz	Dipole	i-pex(MHF)	78.5
			3.18	5.25~5.35GHz			
			3.47	5.47~5.725GHz			
			3.47	5.725~5.85GHz			

*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.4 EUT Maximum and Minimum Conducted Power

Table 4: The Measured Conducted Output Power

CDD Mode

Frequency Band (MHz)	MAX. Power		MIN. Power	
	Output Power (mW)	Output Power (dBm)	Output Power (mW)	Output Power (dBm)
5250~5350	221.25	23.45	55.59	17.45
5470~5725	221.692	23.46	55.719	17.46

Beamforming Mode

Frequency Band (MHz)	MAX. Power		MIN. Power	
	Output Power (mW)	Output Power (dBm)	Output Power (mW)	Output Power (dBm)
5250~5350	221.25	23.45	55.59	17.45
5470~5725	221.692	23.46	55.719	17.46

2.5 EUT Maximum and Minimum EIRP Power

Table 5: The EIRP Output Power List

CDD Mode

Frequency Band (MHz)	MAX. EIRP Power		MIN. EIRP Power	
	Output Power (mW)	Output Power (dBm)	Output Power (mW)	Output Power (dBm)
5250~5350	489.78	26.9	123.027	20.9
5470~5725	493.174	26.93	123.88	20.93

Beamforming Mode

Frequency Band (MHz)	MAX. EIRP Power		MIN. EIRP Power	
	Output Power (mW)	Output Power (dBm)	Output Power (mW)	Output Power (dBm)
5250~5350	950.61	29.78	238.781	23.78
5470~5725	984.011	29.93	247.172	23.93

2.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Applicable	EIRP	FCC 15.407 (h)(1)
√	>500mW	The TPC mechanism is required for system with an EIRP of above 500mW
	<500mW	The TPC mechanism is not required for system with an EIRP of less 500mW

The UUT can adjust a transmitter's output power based on the signal level present at the receiver.TPC is auto controlled by software.

2.7 Statement of Manufacturer

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

3. U-NII DFS Rule Requirements

3.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior to Use a Channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	✓ note	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓
Note: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 section (b)(5/6), If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.			

Table 7: Applicability of DFS Requirements during Normal Operation

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

Additional requirements for devices with multiple bandwidth modes	Master or Client with radar detection	Client without radar detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

3.2 Test Limits and Radar Signal Parameters

Detection Threshold Values

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

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 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. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 9: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. 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 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Parameters of DFS Test Signals

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

Table 10: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A 15 unique PRI values randomly selected from the list of 23 PRI values 15 unique PRI values randomly selected within the range of 518~3066 μ sec with a minimum of 1 μ sec,excluding PRI values selected in Test A	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	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
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 11: Long Pulse Radar Test Waveform

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

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

a) the Channel center frequency
b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$FL+(0.4*Chirp\ Width\ [in\ MHz])$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$FH-(0.4*Chirp\ Width\ [in\ MHz])$

Table 12: Frequency Hopping Radar Test Waveform

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

4. Test & Support Equipment List

4.1 Test Instruments

Table 13: Test Instruments List

Description & Manufacture	Model No.	Serial No.	Calibrated Date	Calibrated Until
Spectrum Analyzer R&S	ESR	102026	Apr. 22, 2020	Apr. 21, 2021
Vector Signal Generator Agilent	N5182B	MY53052700	July 14, 2020	July 13, 2021
Horn_Antenna FT-RF	HA-07M18G-NF	00002200911 10	Nov. 24, 2019	Nov. 23, 2020
DFS Control Box	BV-DFS-CB	002	Dec. 02, 2019	Dec. 01, 2020

NOTE: 1. The test was performed in DFS-1 room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Aug. 08 to 14, 2020

4.2 Description of Support Units

Table 14: Support Unit Information

No.	Product	Brand	Model No.	FCC ID	Spec
1	Intel® Wi-Fi 6 AX200	Intel	AX200NGW	PD9AX200NG	

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

Table 15: Software/Firmware Information

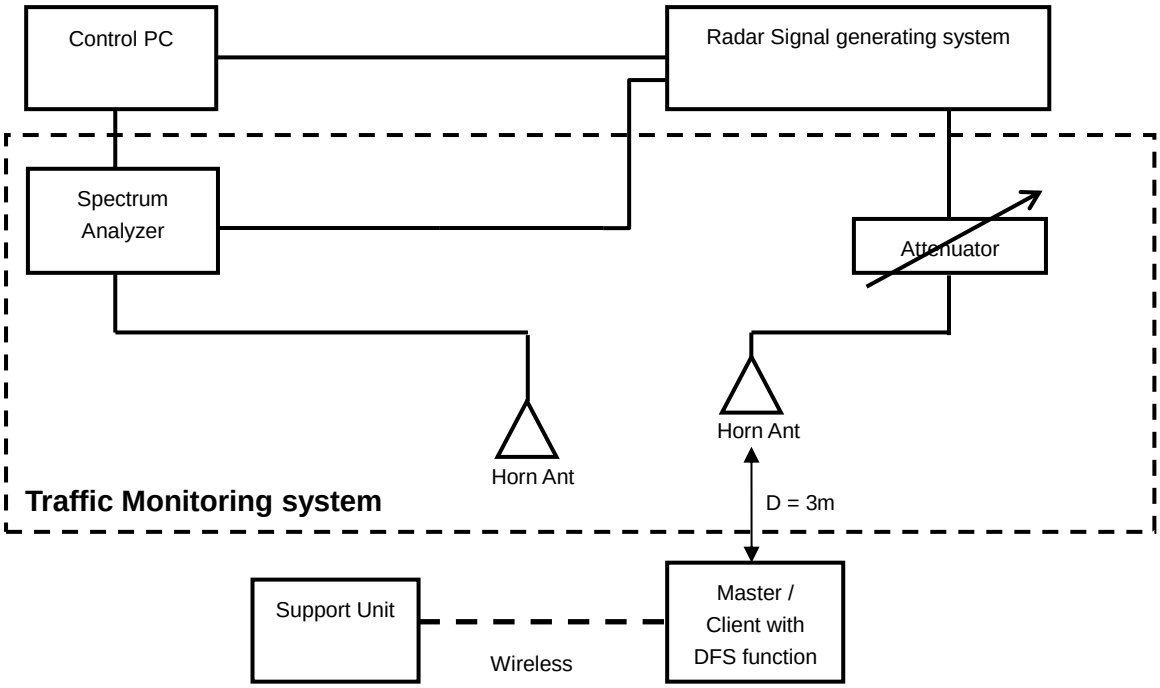
No.	Product	Model No.	Software/Firmware Version
1	Intel® Wi-Fi 6 AX200	AX200NGW	21.80.2.1

5. Test Procedure

5.1 DFS Measurement System

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

Radiated Setup Configuration of DFS Measurement System



Channel Loading

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

a)	The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.	
b)	Software to ping the client is permitted to simulate data transfer but must have random ping intervals.	
c)	Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.	✓
d)	Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.	

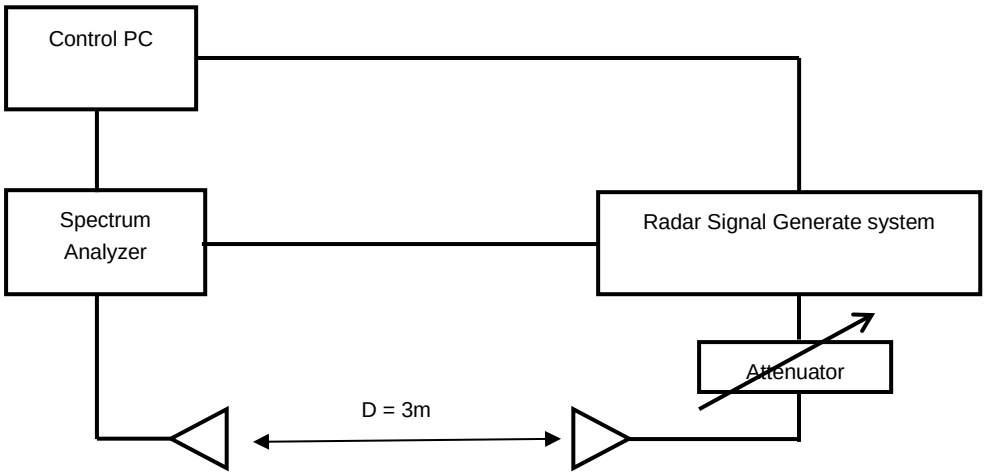
5.2 Calibration of DFS Detection Threshold Level

The measured channel is chosen from the operating channels of the UUT within the 5250-5350MHz or 5470-5725MHz and using the all bandwidth mode available for the link. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time.

Radiated setup configuration of Calibration of DFS Detection Threshold Level

The radar signal generate system is gererating waveform pattern of radar types. The amplitude of the radar signal generator system is adjusted to yield a level of–64 dBm as measured on the spectrum analyzer.

The interference detection threshold level is lower than – 64dBm hence it provides margin to the limit.



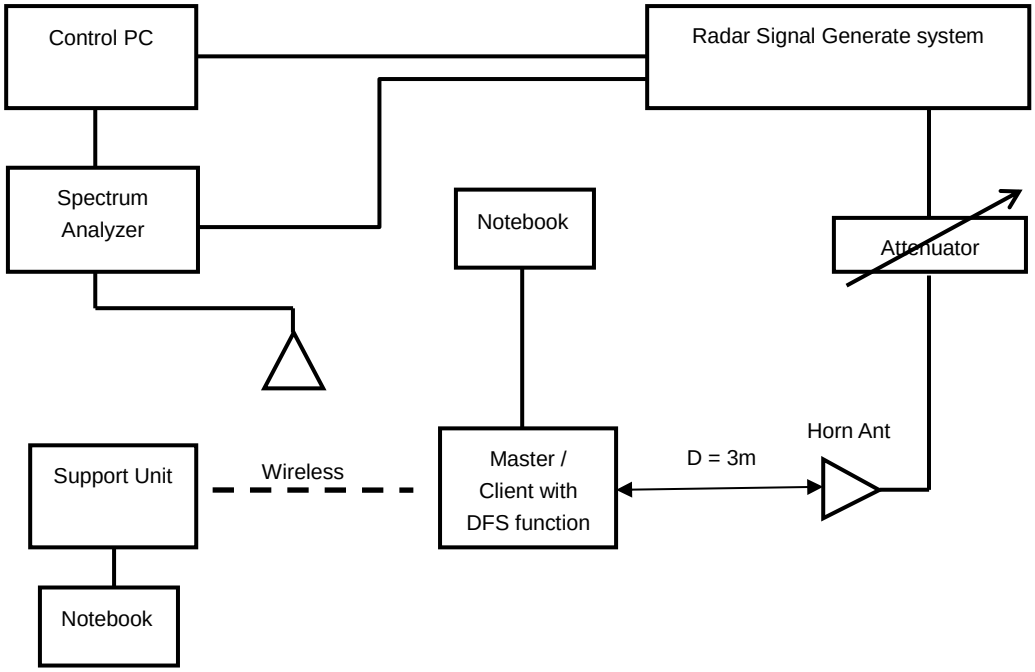
5.3 Deviation from Test Standard

No deviation.

5.4 Radiated Test Setup Configuration

Master mode

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



Note: The UUT main beam of the antenna is directly toward the radar emitter during testing.

6. Test Results

6.1 Summary of Test Results

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

Note: This device does not support “802.11ax Channel Puncturing” function.

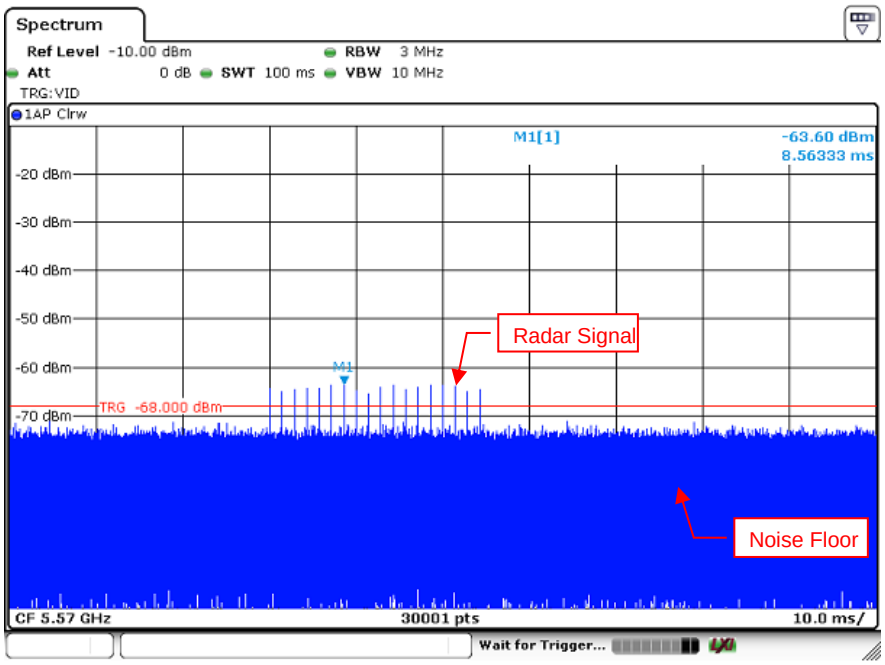
6.2 Test Results

6.2.1 Test Mode: Device Operating in Master Mode

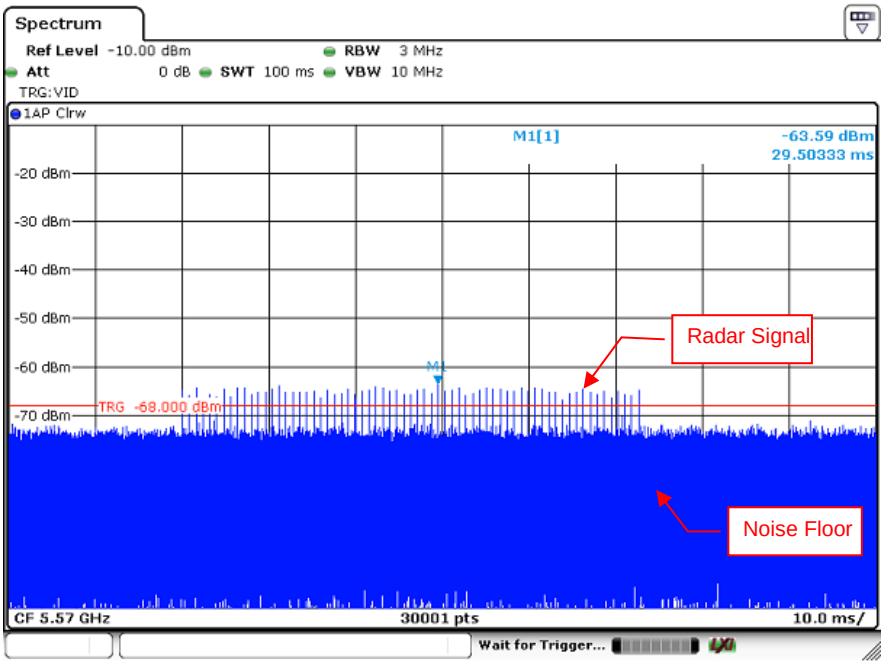
The radar test waveforms are injected into the Master.
This test was investigated for different bandwidth (20MHz、40MHz、80MHz and 160MHz).
The following plots was done on 160MHz as a representative

DFS Detection Threshold

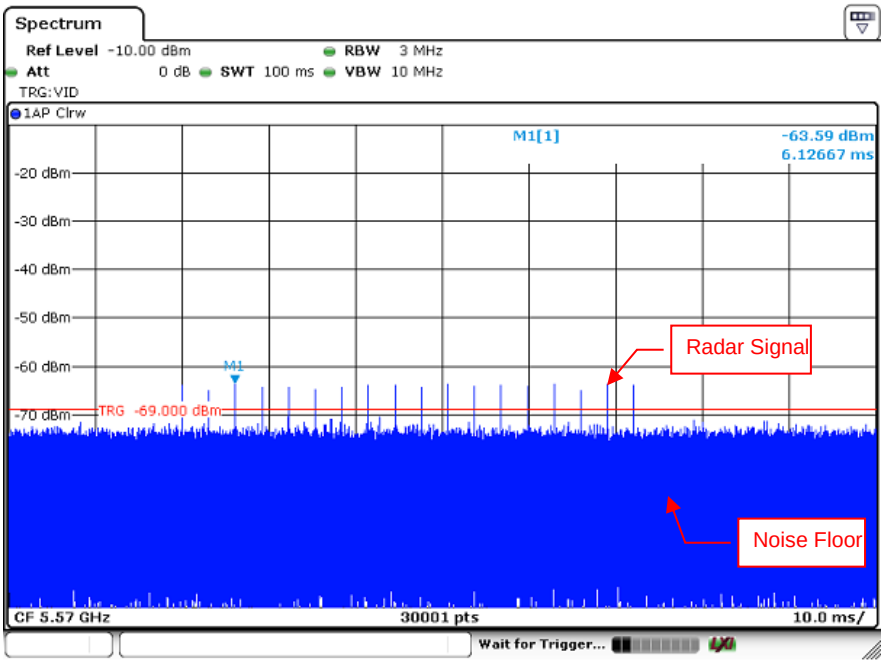
For detection threshold level of -64dBm, the tested level is lower than required level for 1dB, hence it provides margin to the limit.



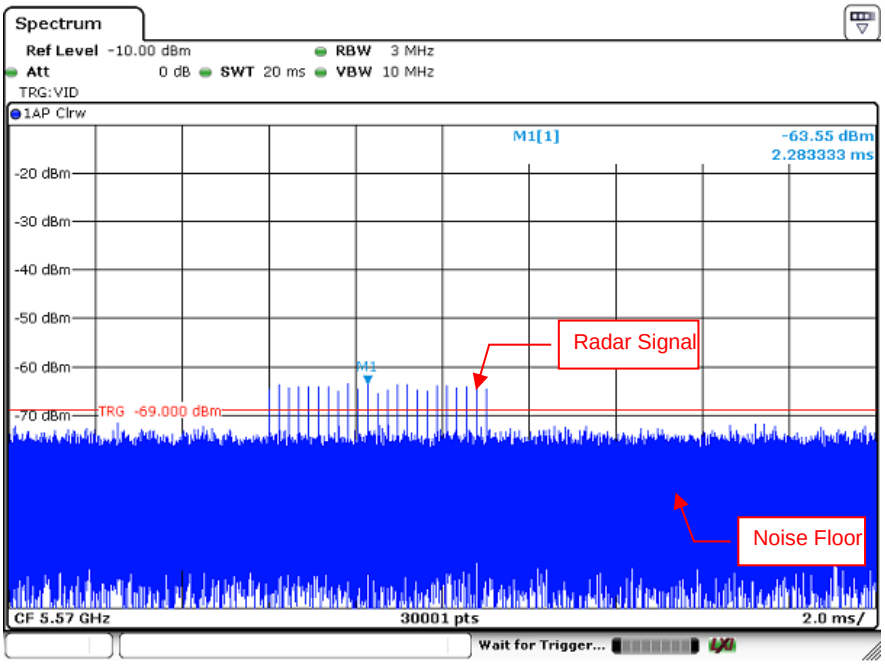
Radar Signal 0



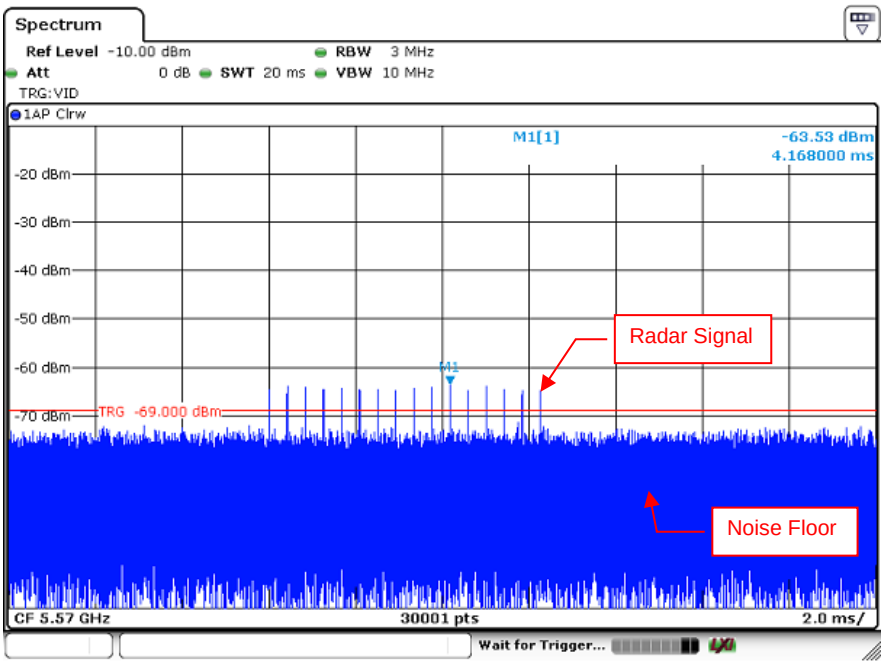
Radar Signal 1 (Test A)



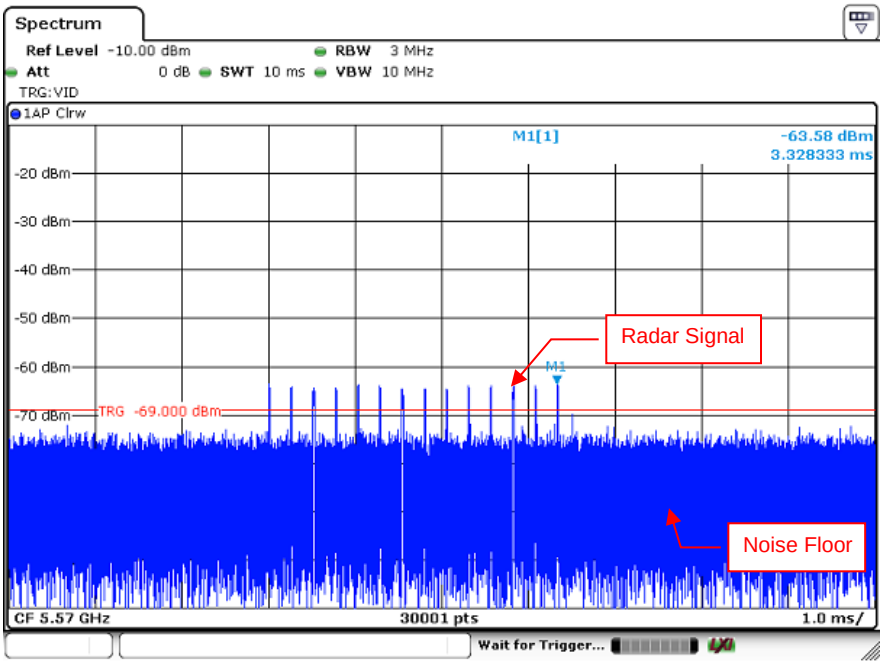
Radar Signal 1 (Test B)



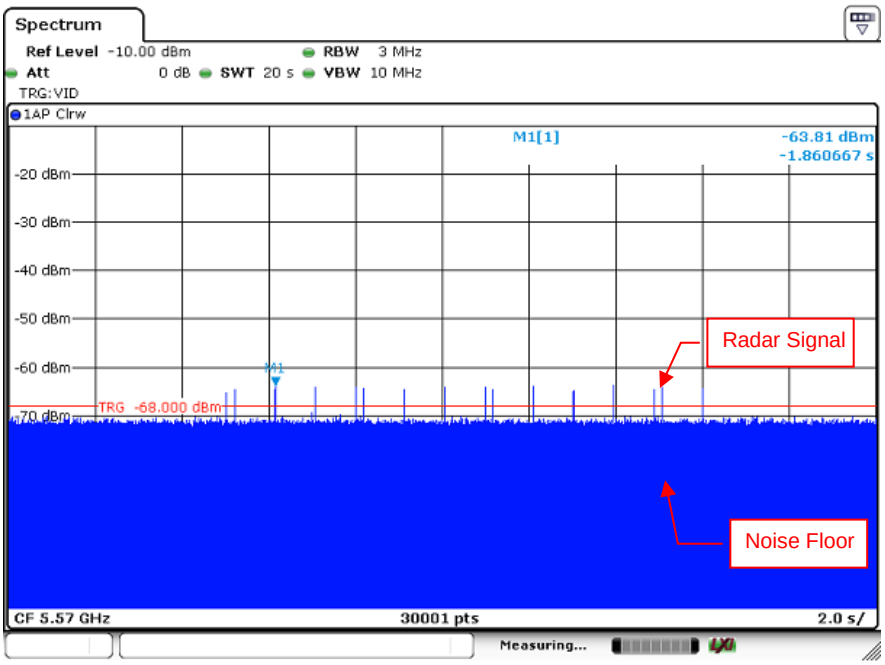
Radar Signal 2



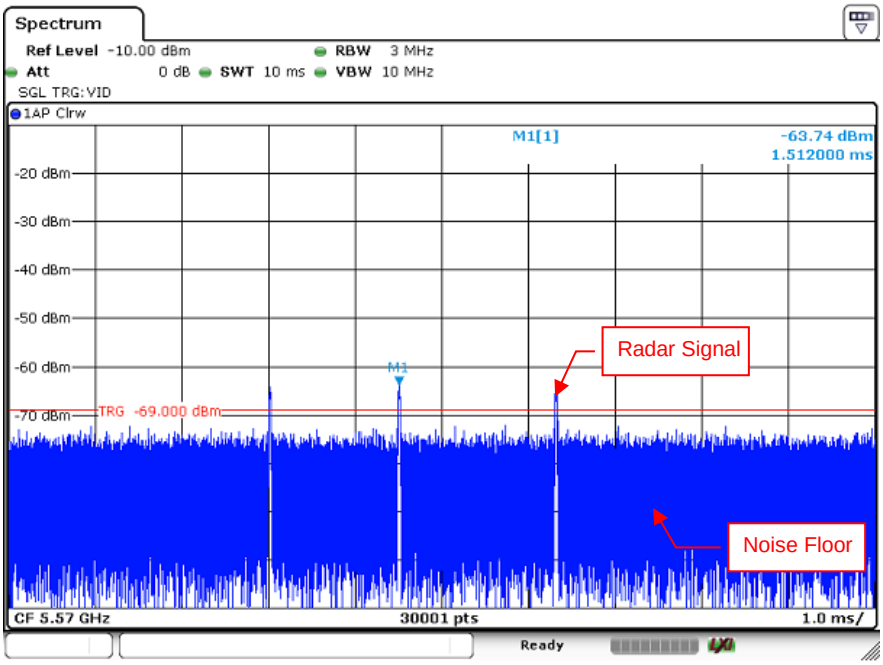
Radar Signal 3



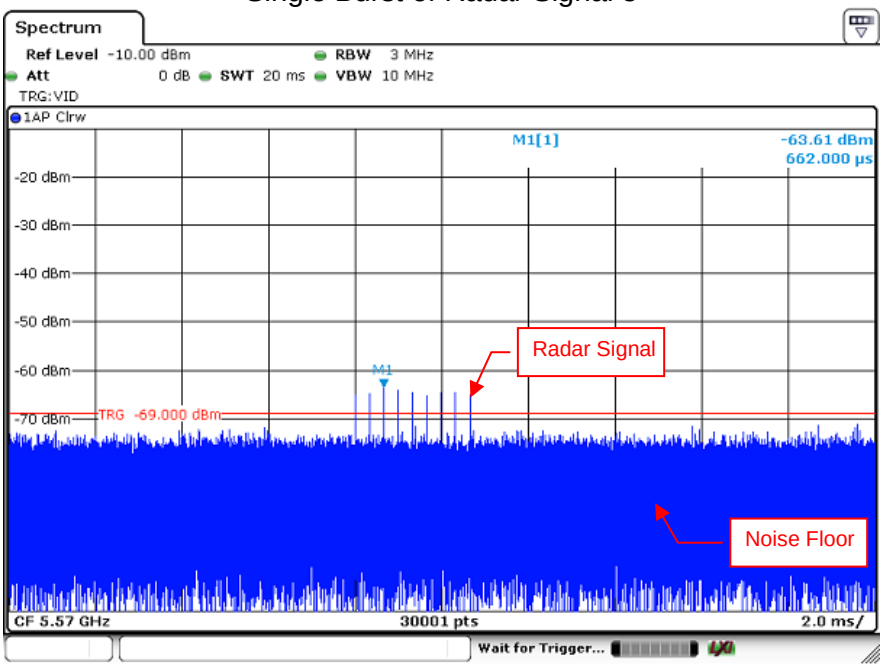
Single Burst of Radar Signal 4



Radar Signal 5



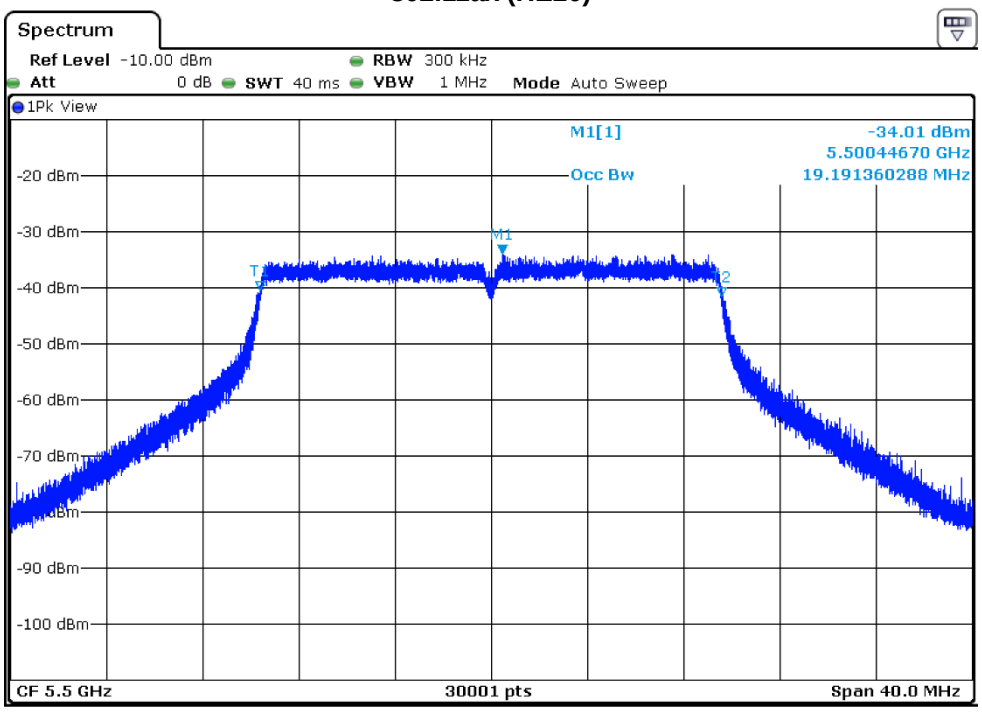
Single Burst of Radar Signal 5



Radar Signal 6

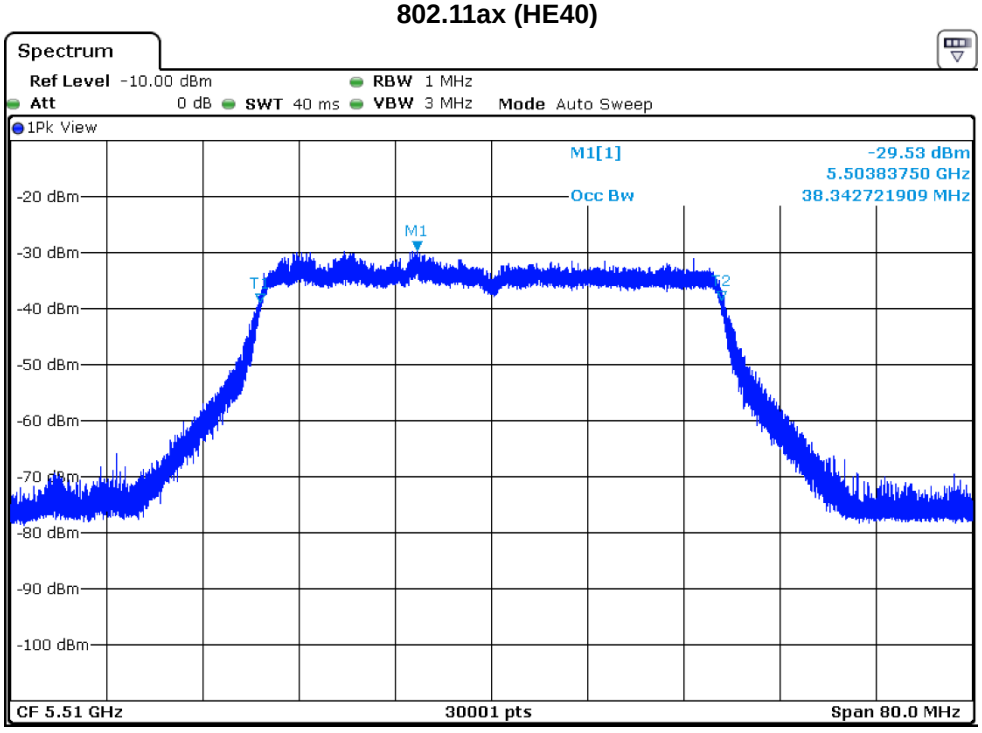
6.2.2 U-NII Detection Bandwidth

802.11ax (HE20)



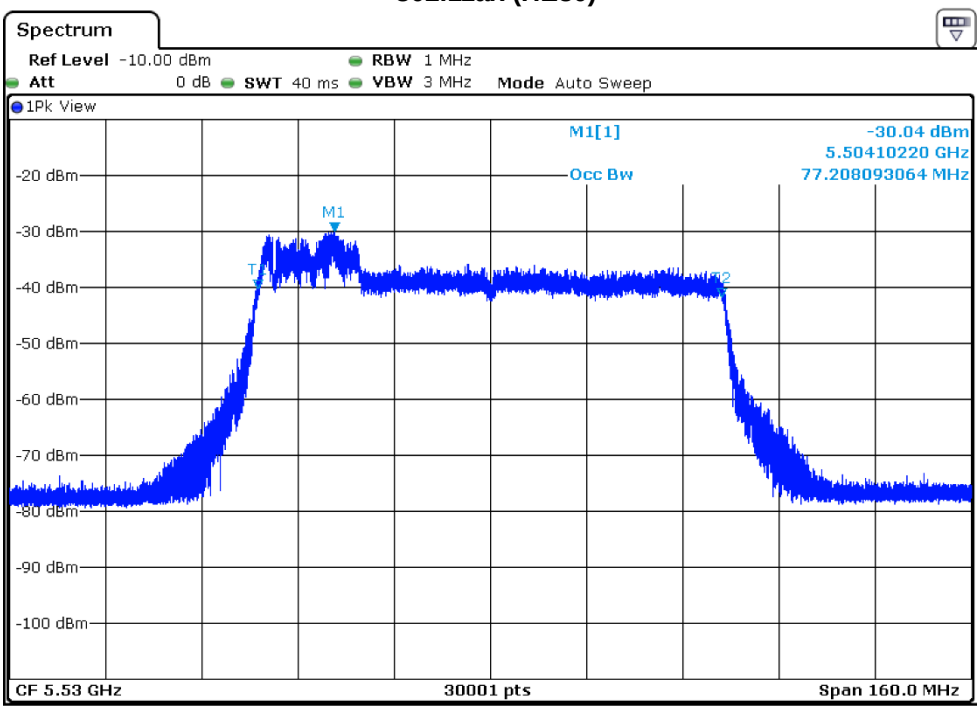
U-NII 99% Channel bandwidth

802.11ax (HE40)



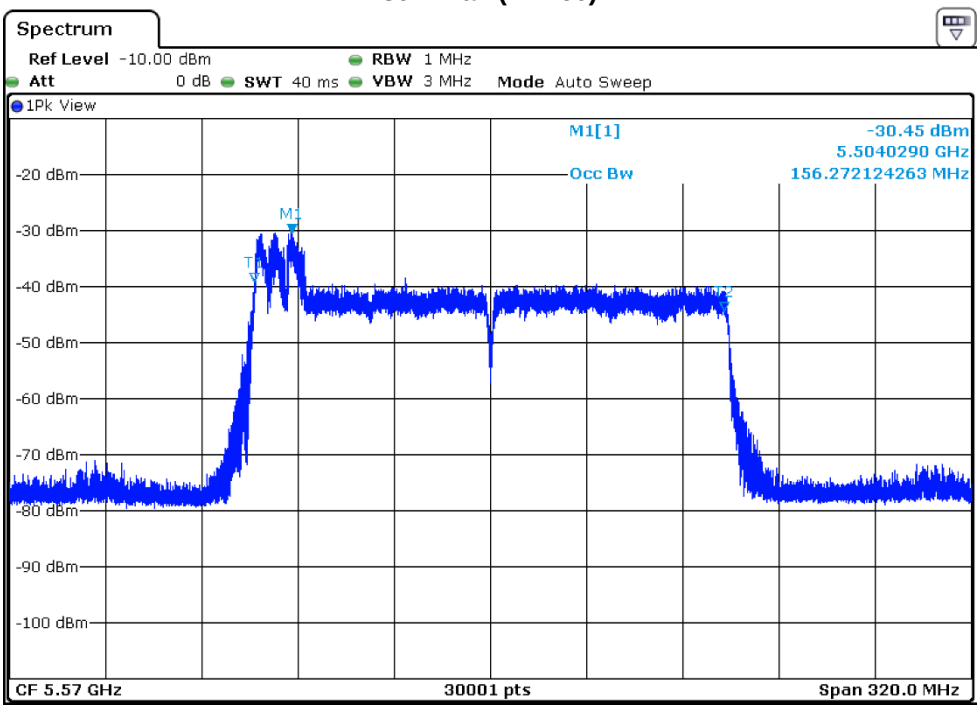
U-NII 99% Channel bandwidth

802.11ax (HE80)



U-NII 99% Channel bandwidth

802.11ax (HE160)



U-NII 99% Channel bandwidth

Detection Bandwidth Test - **802.11ax (HE20)**

Radar Type 0
EUT Frequency: 5500MHz
EUT 99% Power bandwidth: 19.191MHz
Detection bandwidth limit (100% of EUT 99% Power bandwidth): 19.191MHz
Detection bandwidth (5510(FH) – 5490(FL)) : 20MHz
Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490(FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	90
5491	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	90
5492	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	90
5493	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5494	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5496	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5497	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5498	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5499	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5500	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5501	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5502	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5503	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5504	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	90
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5506	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5507	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5508	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5509	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5510(FH)	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	90

Detection Bandwidth Test - **802.11ax (HE40)**

Radar Type 0
EUT Frequency: 5510MHz
EUT 99% Power bandwidth: 38.342MHz
Detection bandwidth limit (100% of EUT 99% Power bandwidth): 38.342MHz
Detection bandwidth (5530(FH) – 5490(FL)) : 40MHz
Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490(FL)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5491	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90
5492	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5493	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5494	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5496	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5497	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5498	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5499	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	90
5501	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5502	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5503	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5504	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5506	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5507	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5508	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5509	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5510	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5511	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5512	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5513	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5514	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5515	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5516	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5517	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	90
5518	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5519	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5521	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5522	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5523	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5524	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5525	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5526	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5527	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5528	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5529	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5530(FH)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90

Detection Bandwidth Test - **802.11ax (HE80)**											
Radar Type 0 EUT Frequency: 5530MHz EUT 99% Power bandwidth: 77.208MHz Detection bandwidth limit (100% of EUT 99% Power bandwidth): 77.208MHz Detection bandwidth (5569(FH) – 5491(FL)) : 78MHz Test Result : PASS											
Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5491(FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5492	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5493	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	90
5494	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5496	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5497	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5498	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5499	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5501	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5502	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5503	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5504	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	90
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5506	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5507	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5508	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5509	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5510	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5511	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5512	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5513	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5514	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5515	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5516	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5517	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5518	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5519	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5521	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5522	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5523	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5524	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5525	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5526	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5527	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5528	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5529	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5530	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5531	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5532	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5533	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5534	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5535	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5536	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100

5537	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5538	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5539	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5540	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5541	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5542	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5543	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5544	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5545	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5546	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5547	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5548	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5549	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5550	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5551	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5552	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5553	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5554	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5555	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5556	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	90
5557	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5558	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5559	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5560	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90
5561	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5562	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5563	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5564	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5565	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5566	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5567	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5568	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5569(FH)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90

Detection Bandwidth Test - **802.11ax (HE160)**

Radar Type 0
EUT Frequency: 5570MHz
EUT 99% Power bandwidth: 156.272MHz
Detection bandwidth limit (100% of EUT 99% Power bandwidth of above 5250MHz): 156.272MHz
Detection bandwidth (5649(FH) – 5491(FL)) : 158MHz
Test Result : PASS

Radar Frequency (MHz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5491(FL)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5492	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	90
5493	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5494	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	90
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5496	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5497	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5498	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5499	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5501	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5502	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5503	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5504	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5506	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5507	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5508	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5509	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5510	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5511	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90
5512	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5513	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5514	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5515	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5516	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5517	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5518	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5519	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5521	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5522	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5523	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5524	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5525	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5526	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5527	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5528	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5529	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5530	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	90
5531	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5532	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5533	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5534	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100

5535	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5536	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5537	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5538	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5539	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5540	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5541	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5542	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5543	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5544	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5545	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5546	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5547	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5548	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5549	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5550	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5551	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5552	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5553	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5554	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5555	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5556	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5557	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5558	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5559	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	90
5560	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90
5561	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5562	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5563	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5564	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5565	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5566	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5567	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5568	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5569	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5570	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	90
5571	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5572	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5573	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5574	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5575	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5576	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5577	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5578	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5579	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5580	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5581	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5582	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5583	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5584	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5585	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5586	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5587	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5588	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5589	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90

5590	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5591	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5592	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5593	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5594	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5595	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5596	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5597	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5598	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5599	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5600	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5601	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5602	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5603	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5604	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5605	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5606	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5607	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5608	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5609	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5610	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5611	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5612	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5613	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5614	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5615	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5616	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5617	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5618	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5619	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5620	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5621	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5622	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5623	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	90
5624	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5625	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5626	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5627	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5628	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5629	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5630	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90
5631	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5632	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5633	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5634	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5635	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5636	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5637	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5638	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5639	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5640	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5641	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5642	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5643	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5644	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	90

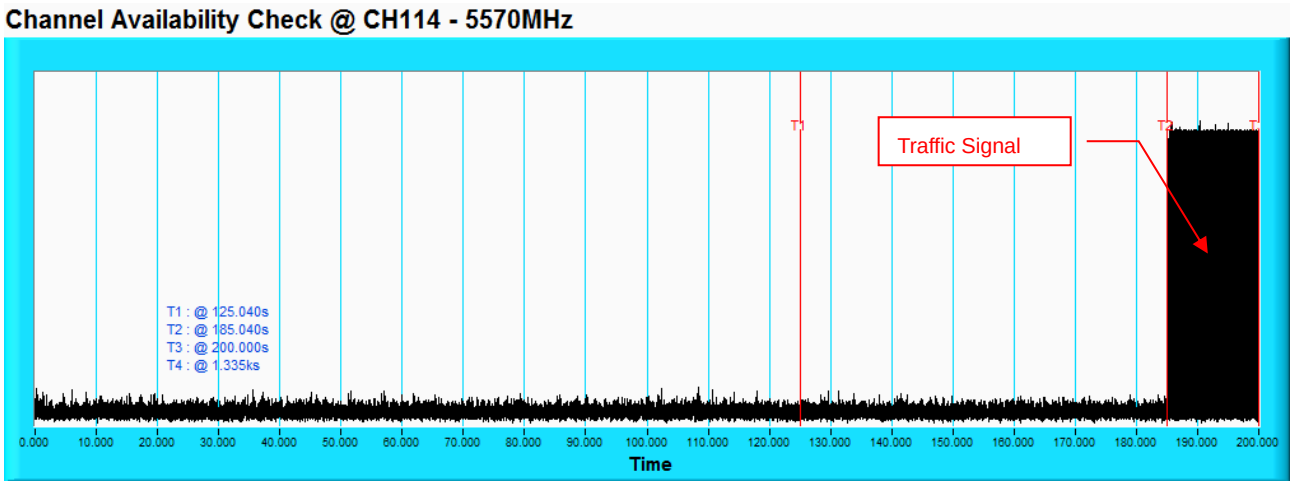
5645	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5646	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5647	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90
5648	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5649(FH)	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	90

6.2.3 Channel Availability Check Time

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

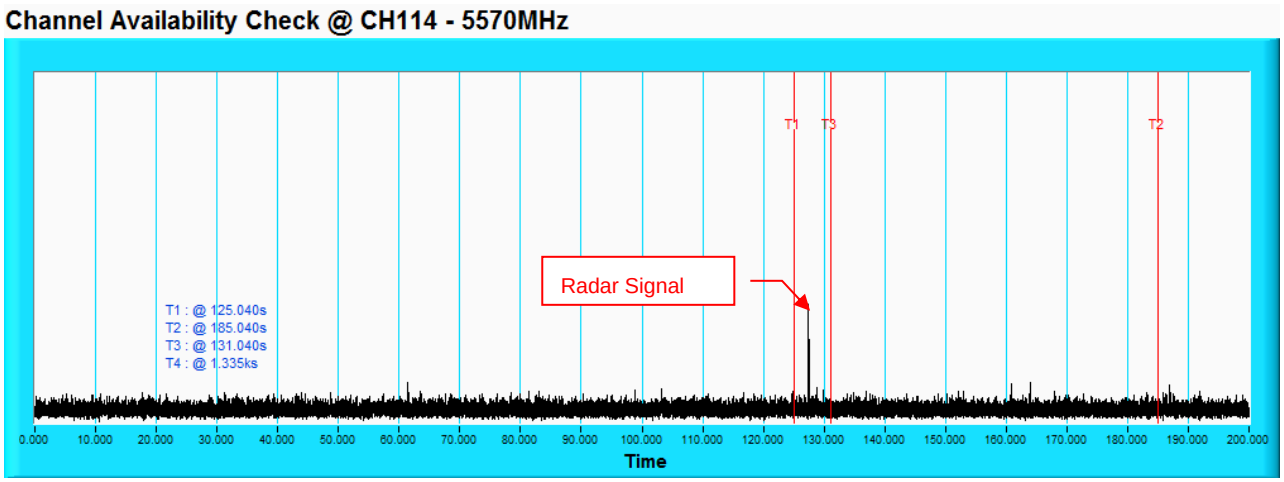
Timing of Radar Signal	Observation	
	EUT	Spectrum Analyzer
Within 1 to 6 second	Detected	No transmissions
Within 54 to 60 second	Detected	No transmissions

Initial Channel Availability Check Time



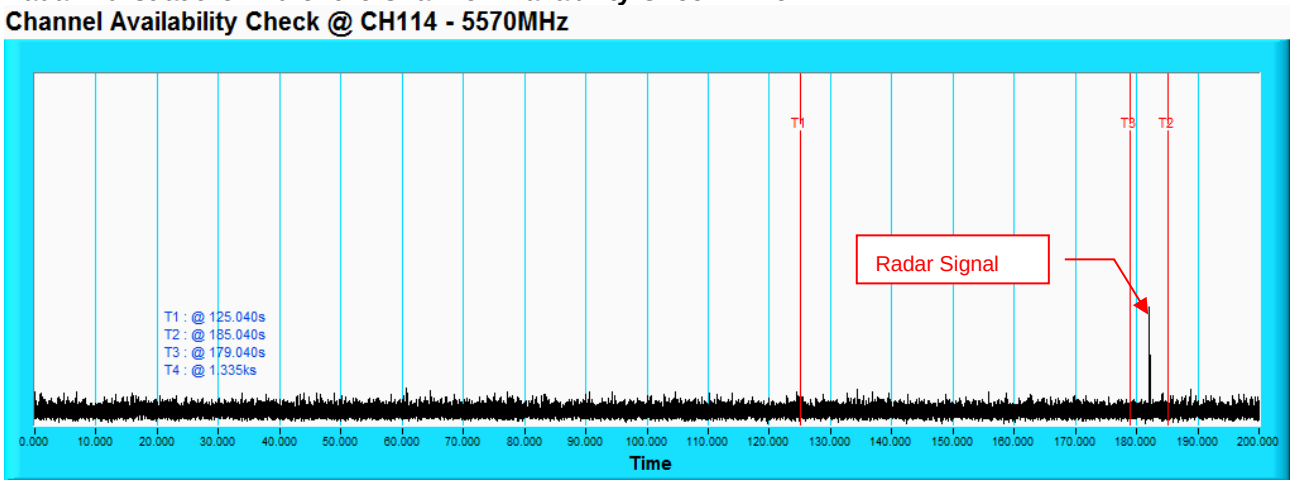
NOTE: T1 denotes the end of power-up time period is 125.04th second. T2 denotes the end of Channel Availability Check time is 185.04th second. Channel Availability Check time is equal to (T2 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



NOTE: T1 denotes the end of power up time period is 125.04th second. T3 denotes 131.04th second and the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T2 denotes the 185.04th second.

Radar Burst at the End of the Channel Availability Check Time

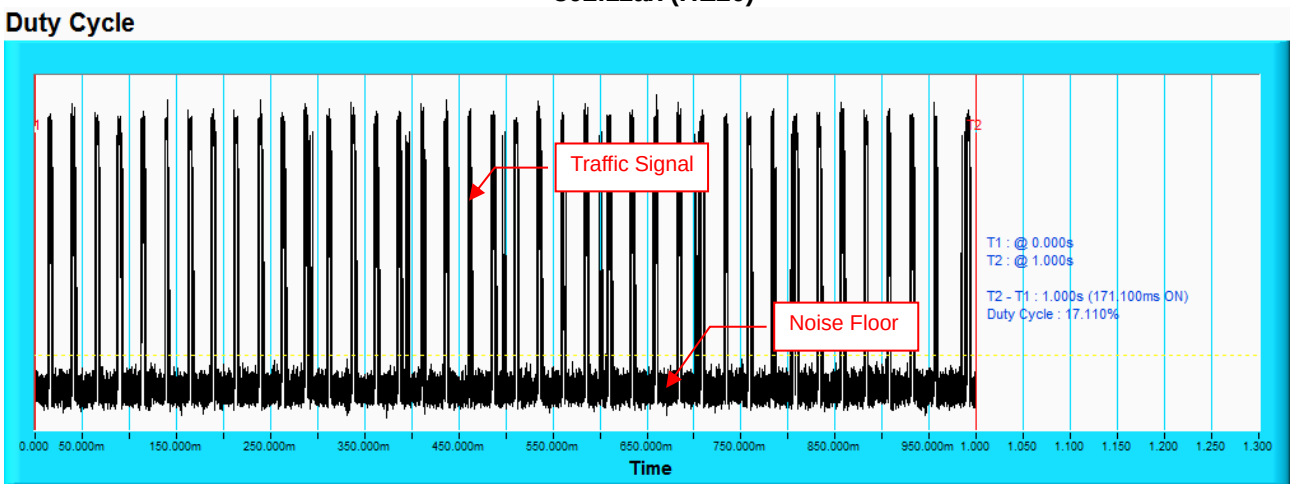


NOTE: T1 denotes the end of power up time period is 125.04th second.T3 denotes 179.04th second and the radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T3 denotes the 185.04th second.

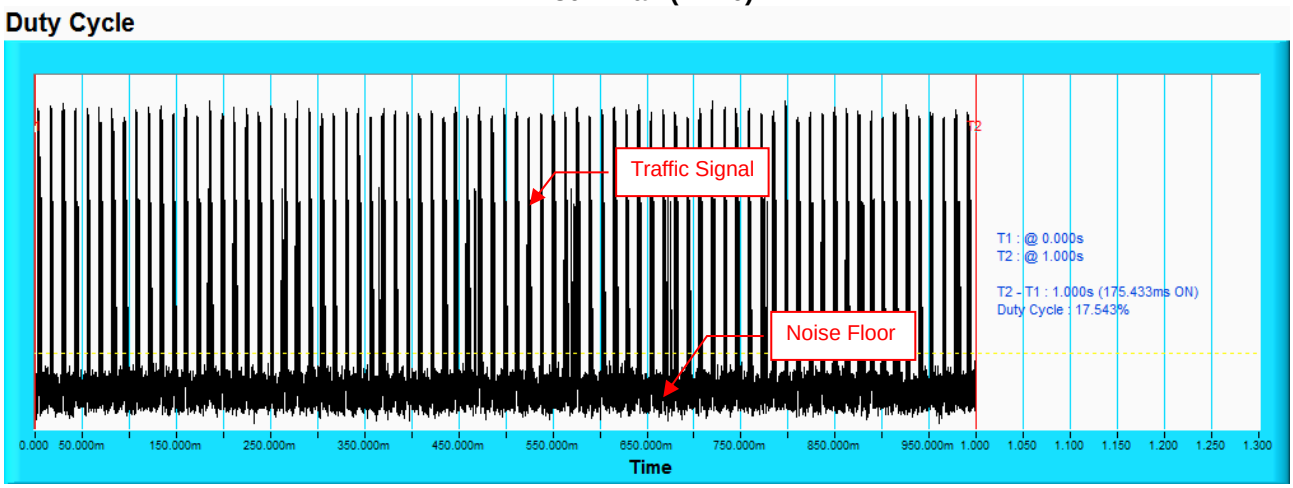
6.2.4 Channel Closing Transmission and Channel Move Time

Wireless Traffic Loading

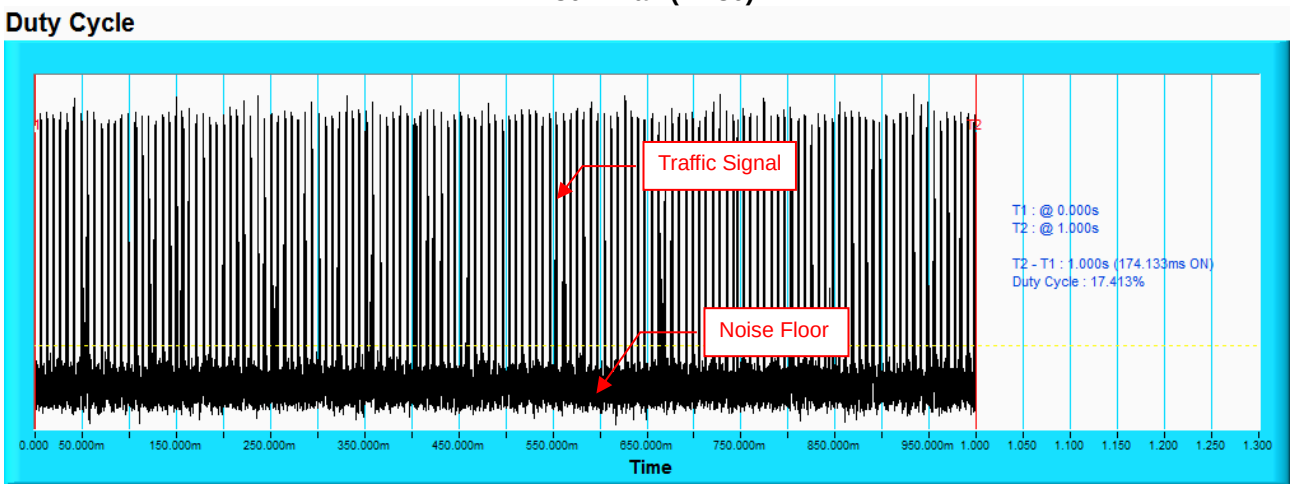
802.11ax (HE20)



802.11ax (HE40)

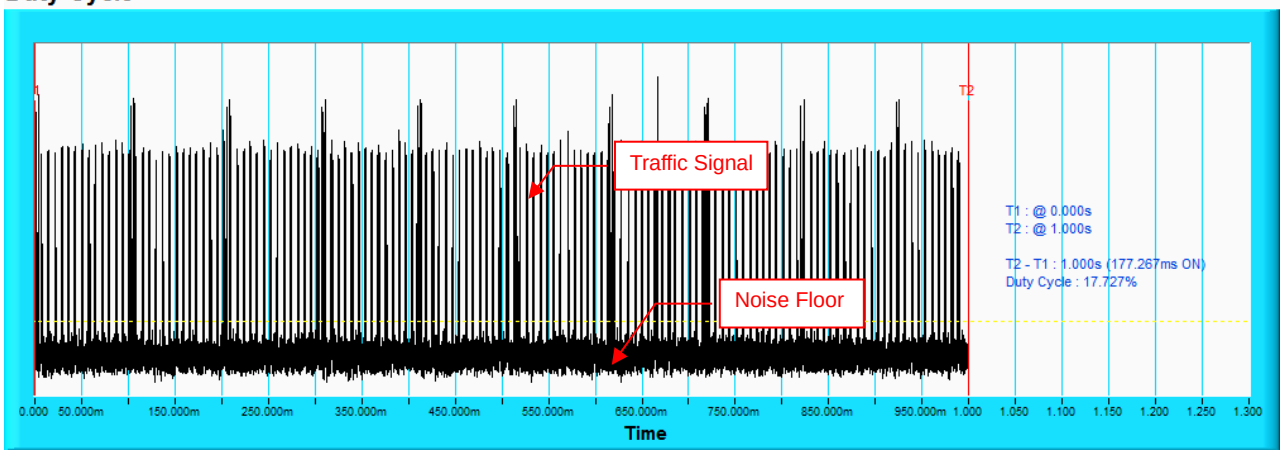


802.11ax (HE80)



802.11ax (HE160)

Duty Cycle



802.11ax (HE20)

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	Test A 15 unique PRI values randomly selected from the list of 23 PRI values 15 unique PRI values randomly selected within the range of 518~3066 μ sec with a minimum of 1 μ sec,excluding PRI values selected in Test A	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\mathrm{PRI}_{\mu\mathrm{sec}}}\right)\right\}$	18	30	90
2	1-5	150-230	23-29	30	83.3
3	6-10	200-500	16-18	30	90
4	11-20	200-500	12-16	30	83.3
Aggregate (Radar Types 1-4)				120	86.6

Table 2: Long Pulse Radar Test Waveform

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

Table 3: Frequency Hopping Radar Test Waveform

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

802.11ax (HE40)

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	Test A 15 unique PRI values randomly selected from the list of 23 PRI values 15 unique PRI values randomly selected within the range of 518~3066 μ sec with a minimum of 1 μ sec,excluding PRI values selected in Test A	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	18	30	90
2	1-5	150-230	23-29	30	93.3
3	6-10	200-500	16-18	30	83.3
4	11-20	200-500	12-16	30	80
Aggregate (Radar Types 1-4)				120	86.6

Table 2: Long Pulse Radar Test Waveform

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

Table 3: Frequency Hopping Radar Test Waveform

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

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802.11ax (HE80)

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	Test A 15 unique PRI values randomly selected from the list of 23 PRI values 15 unique PRI values randomly selected within the range of 518~3066 μ sec with a minimum of 1 μ sec,excluding PRI values selected in Test A	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	18	30	93.3
2	1-5	150-230	23-29	30	93.3
3	6-10	200-500	16-18	30	90
4	11-20	200-500	12-16	30	80
Aggregate (Radar Types 1-4)				120	89.1

Table 2: Long Pulse Radar Test Waveform

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

Table 3: Frequency Hopping Radar Test Waveform

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

802.11ax (HE160)

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	Test A 15 unique PRI values randomly selected from the list of 23 PRI values 15 unique PRI values randomly selected within the range of 518~3066 μ sec with a minimum of 1 μ sec,excluding PRI values selected in Test A	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	18	30	90
2	1-5	150-230	23-29	30	90
3	6-10	200-500	16-18	30	86.6
4	11-20	200-500	12-16	30	76.6
Aggregate (Radar Types 1-4)				120	85.8

Table 2: Long Pulse Radar Test Waveform

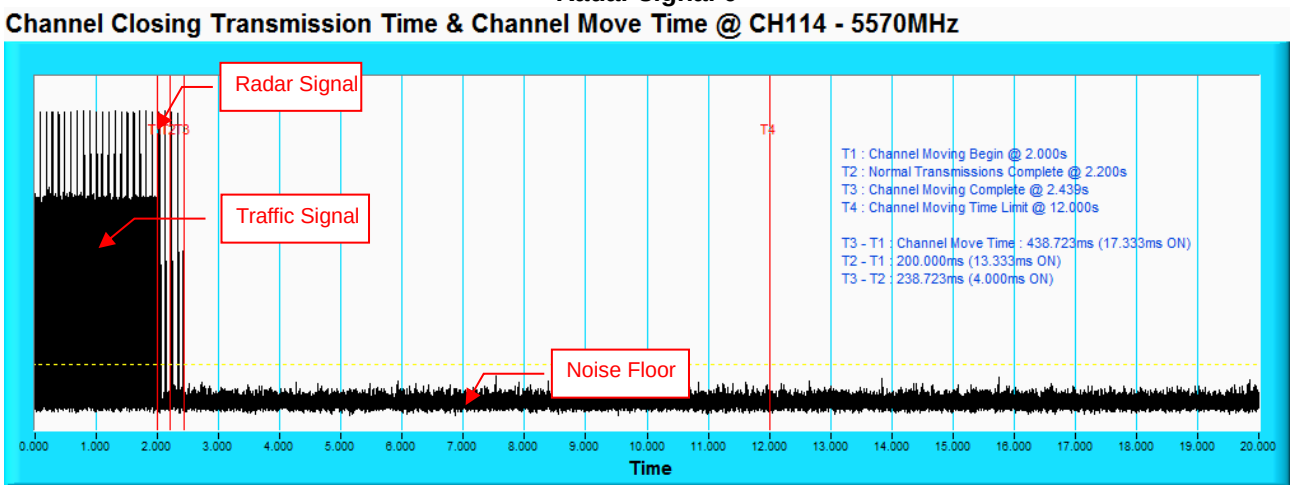
Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	93.3

Table 3: Frequency Hopping Radar Test Waveform

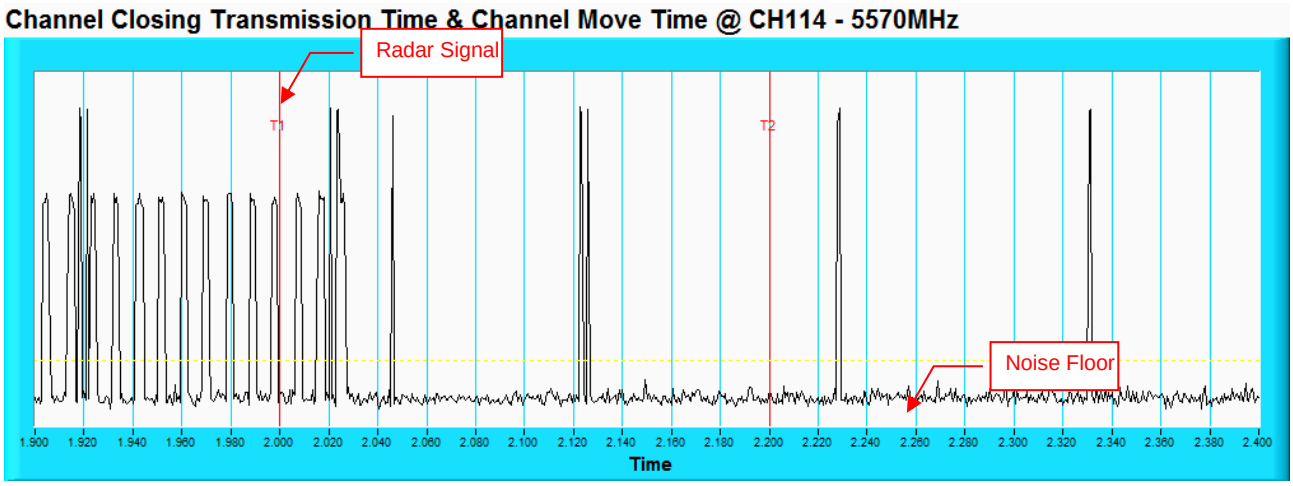
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	93.3

802.11ax (HE160)

Radar signal 0

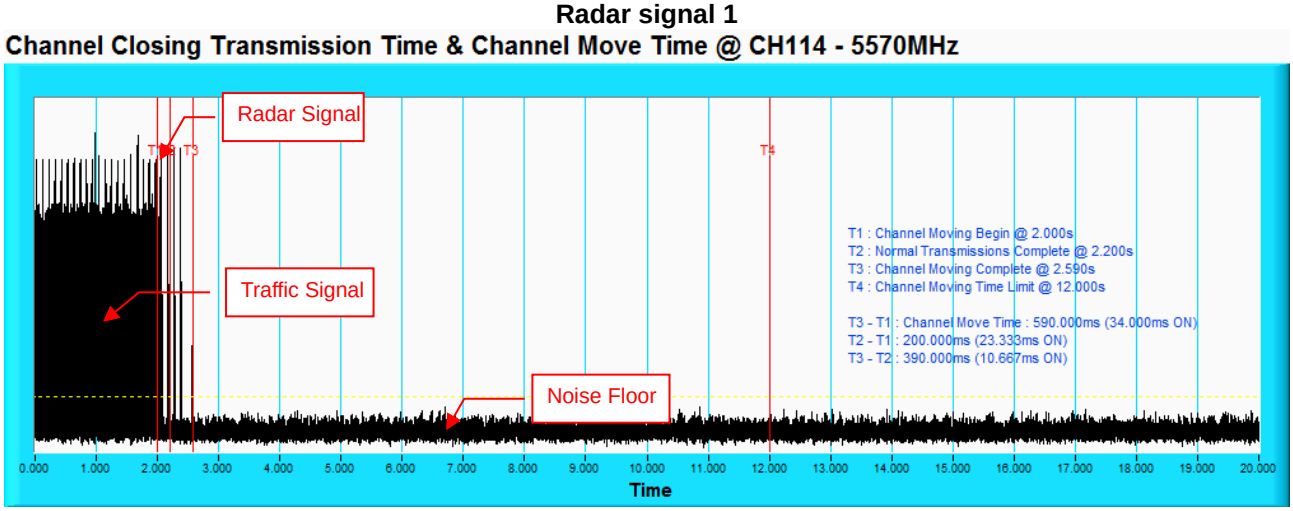


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

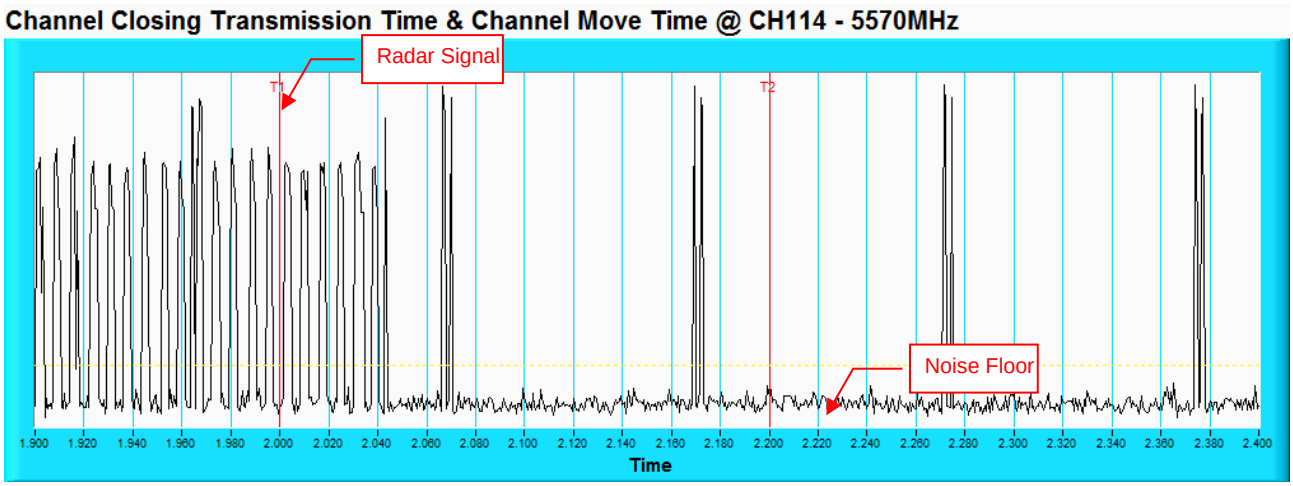


NOTE: Zoom in of the first 500ms after radar signal applied.

Radar signal 1

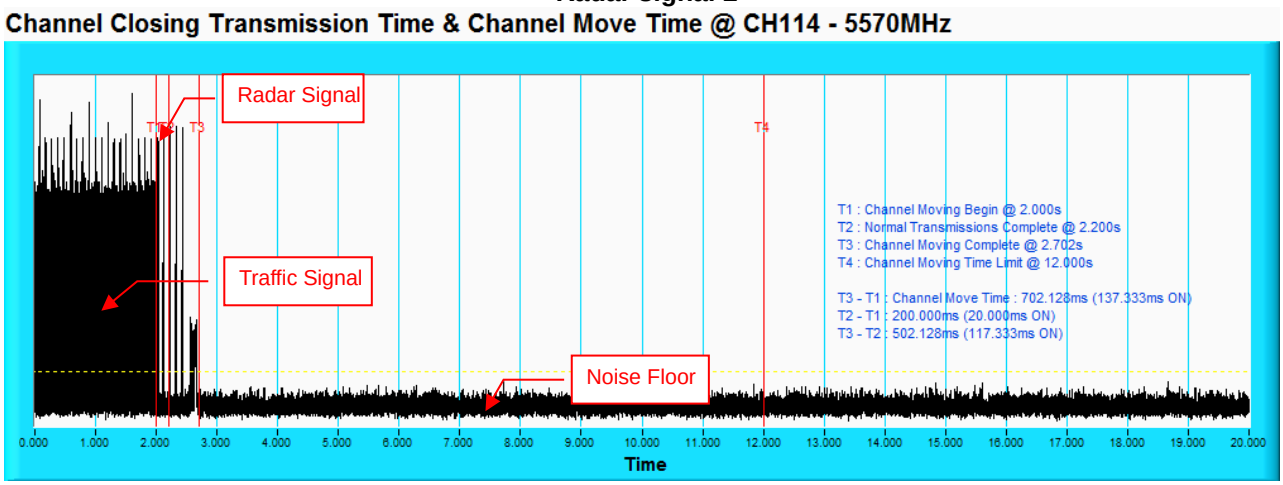


NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

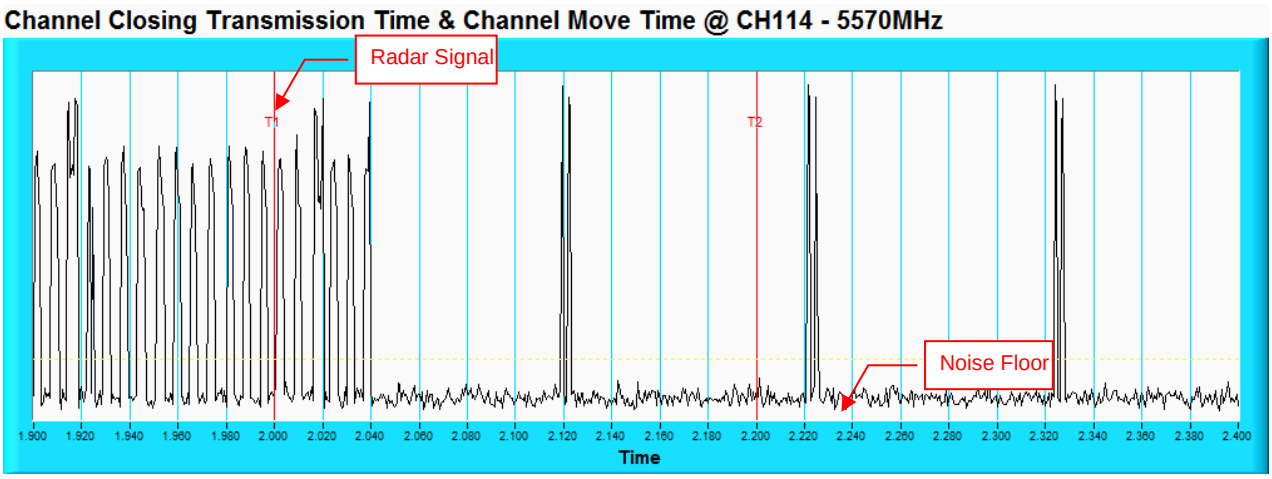


NOTE: Zoom in of the first 500ms after radar signal applied.

Radar signal 2



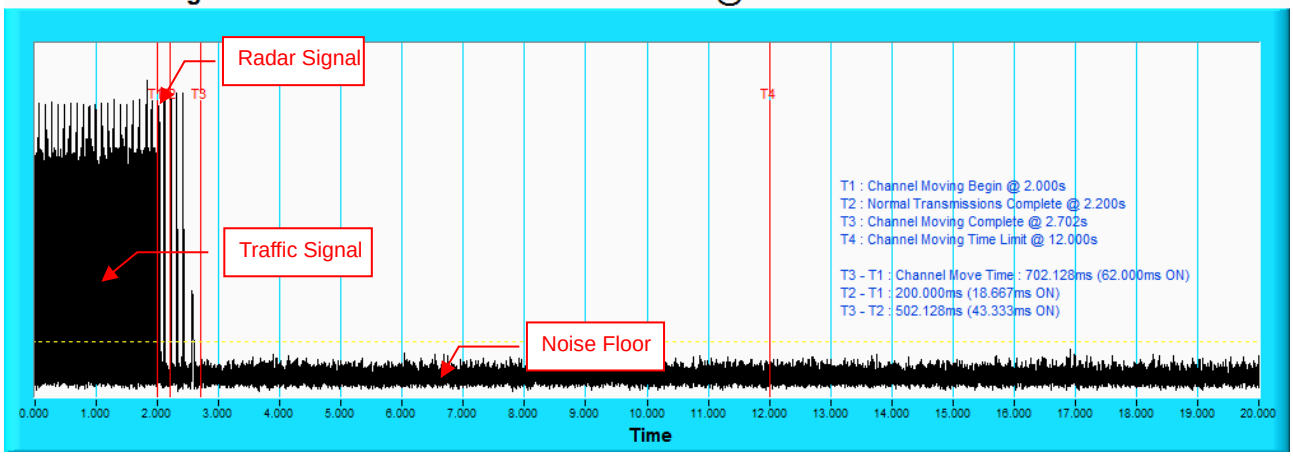
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



NOTE: Zoom in of the first 500ms after radar signal applied.

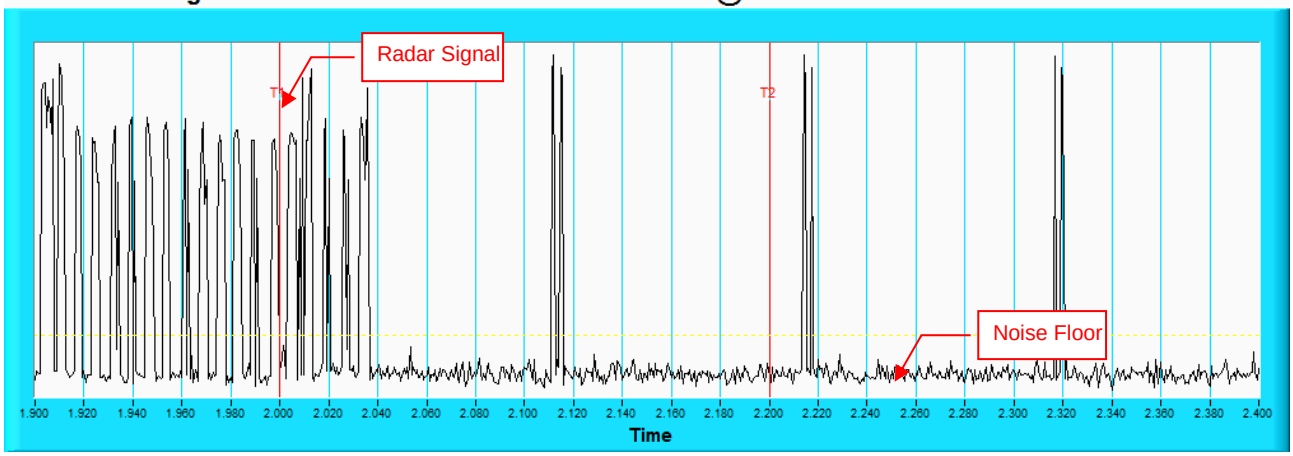
Radar signal 3

Channel Closing Transmission Time & Channel Move Time @ CH114 - 5570MHz



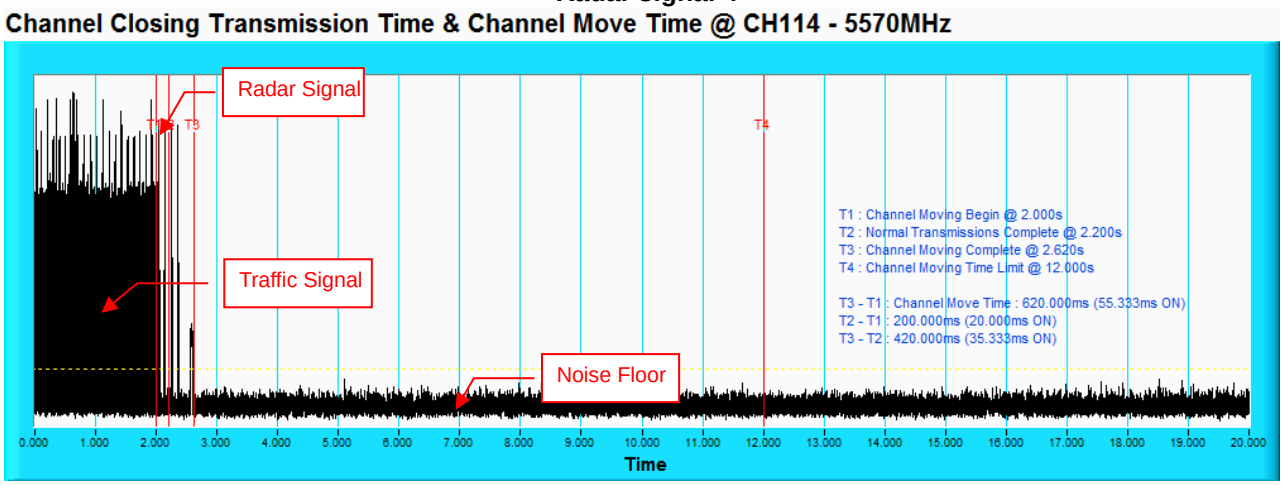
NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time @ CH114 - 5570MHz

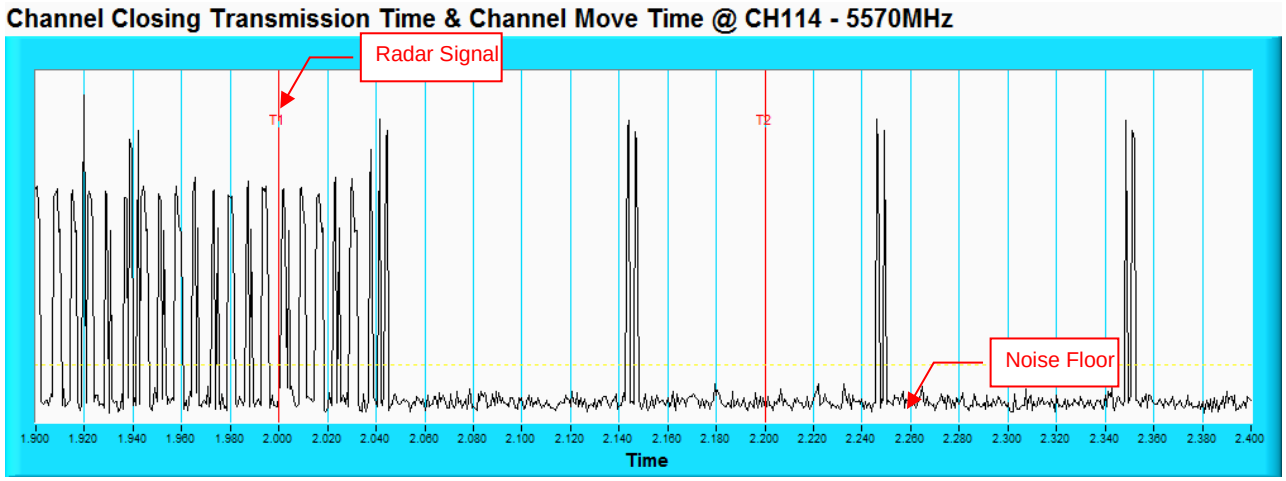


NOTE: Zoom in of the first 500ms after radar signal applied.

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 end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



NOTE: Zoom in of the first 500ms after radar signal applied.

802.11ax (HE20)

Type 1 Radar Statistical Performances						
Trial #	Test Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (pps)	Pulses per Burst	Pulse Repetition Interval (μsec)	Detection
1	5500	17	1193	63	838	Yes
2	5494	23	326.2	18	3066	Yes
3	5496	1	1931	102	518	Yes
4	5493	11	1393	74	718	Yes
5	5495	12	1355	72	738	Yes
6	5492	10	1433	76	698	Yes
7	5501	15	1253	67	798	Yes
8	5507	13	1319	70	758	Yes
9	5504	4	1730	92	578	Yes
10	5499	8	1520	81	658	Yes
11	5502	22	1066	57	938	Yes
12	5510	20	1114	59	898	**No**
13	5501	19	1139	61	878	Yes
14	5491	14	1285	68	778	Yes
15	5499	6	1618	86	618	**No**
16	5503	-	393.5	21	2541	**No**
17	5510	-	685.4	37	1459	Yes
18	5497	-	669.8	36	1493	Yes
19	5504	-	379.2	21	2637	Yes
20	5493	-	588.9	32	1698	Yes
21	5503	-	753.6	40	1327	Yes
22	5506	-	409.7	22	2441	Yes
23	5505	-	489.5	26	2043	Yes
24	5491	-	1647	87	607	Yes
25	5492	-	901.7	48	1109	Yes
26	5499	-	1024	55	977	Yes
27	5491	-	990.1	53	1010	Yes
28	5510	-	905.8	48	1104	Yes
29	5501	-	604.2	32	1655	Yes
30	5495	-	585.5	31	1708	Yes
						Detection Rate : 90%

Note. " - " : 15 unique PRI values randomly selected within the range of 518-3066 μsec,with a minimum increment of 1μsec, excluding PRI values selected in Test A

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Type 2 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5500	26	2.8	215	Yes
2	5498	29	4.5	230	Yes
3	5498	29	4.9	187	Yes
4	5497	27	3.8	164	Yes
5	5491	29	4.7	219	**No**
6	5498	23	1.3	228	Yes
7	5500	24	2	174	Yes
8	5497	23	1.4	208	Yes
9	5503	24	1.9	163	**No**
10	5501	28	4.1	152	Yes
11	5506	24	1.9	179	Yes
12	5494	28	4.1	170	Yes
13	5490	27	3.8	190	Yes
14	5498	29	4.9	172	Yes
15	5505	24	2.1	177	Yes
16	5497	29	4.5	191	Yes
17	5498	26	2.9	165	Yes
18	5502	25	2.5	159	Yes
19	5495	25	2.4	184	Yes
20	5502	27	3.6	218	Yes
21	5506	29	4.9	192	**No**
22	5504	23	1.5	171	**No**
23	5497	28	3.9	198	**No**
24	5504	27	3.5	157	Yes
25	5508	25	2.6	160	Yes
26	5498	24	1.8	211	Yes
27	5507	23	1.2	150	Yes
28	5494	23	1.1	226	Yes
29	5501	29	4.6	194	Yes
30	5499	28	4.3	199	Yes
					Detection Rate : 83.3%

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Type 3 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5500	17	7.8	417	Yes
2	5497	18	9.5	460	Yes
3	5492	18	9.9	499	Yes
4	5508	18	8.8	356	Yes
5	5497	18	9.7	293	Yes
6	5506	16	6.3	340	Yes
7	5503	16	7	223	Yes
8	5495	16	6.4	461	Yes
9	5503	16	6.9	445	Yes
10	5494	18	9.1	273	Yes
11	5493	16	6.9	234	Yes
12	5501	18	9.1	342	**No**
13	5495	18	8.8	479	Yes
14	5505	18	9.9	495	Yes
15	5503	16	7.1	472	Yes
16	5502	18	9.5	408	Yes
17	5498	17	7.9	203	Yes
18	5490	17	7.5	478	**No**
19	5498	17	7.4	244	Yes
20	5507	17	8.6	285	Yes
21	5493	18	9.9	422	Yes
22	5492	16	6.5	369	Yes
23	5492	18	8.9	367	Yes
24	5497	17	8.5	295	Yes
25	5506	17	7.6	300	Yes
26	5503	16	6.8	233	Yes
27	5492	16	6.2	238	Yes
28	5498	16	6.1	403	**No**
29	5497	18	9.6	372	Yes
30	5497	18	9.3	358	Yes
					Detection Rate : 90%

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Type 4 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5500	14	15	417	Yes
2	5505	16	18.8	460	Yes
3	5499	16	19.8	499	Yes
4	5498	15	17.2	356	**No**
5	5506	16	19.2	293	Yes
6	5499	12	11.6	340	Yes
7	5494	13	13.3	223	Yes
8	5498	12	11.9	461	Yes
9	5494	13	13	445	Yes
10	5495	15	18	273	**No**
11	5506	13	13	234	**No**
12	5491	15	17.8	342	Yes
13	5506	15	17.2	479	Yes
14	5496	16	19.8	495	**No**
15	5498	13	13.5	472	Yes
16	5497	16	18.8	408	Yes
17	5497	14	15.3	203	Yes
18	5510	13	14.4	478	Yes
19	5492	13	14.2	244	Yes
20	5493	15	16.8	285	Yes
21	5503	16	19.8	422	Yes
22	5503	12	12.2	369	**No**
23	5507	15	17.5	367	Yes
24	5496	15	16.6	295	Yes
25	5506	14	14.6	300	Yes
26	5494	13	12.8	233	Yes
27	5502	12	11.4	238	Yes
28	5505	12	11.2	403	Yes
29	5509	16	19.1	372	Yes
30	5509	16	18.3	358	Yes
					Detection Rate : 83.3%

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Type 5 Radar Statistical Performances				
Trial #	Minimum Chirp Width(MHz)	Chirp Center Frequency(MHz)	Test Signal Name	Detection
1	16	5500	LP_Signal_01	Yes
2	20	5500	LP_Signal_02	Yes
3	12	5500	LP_Signal_03	Yes
4	5	5500	LP_Signal_04	Yes
5	15	5500	LP_Signal_05	Yes
6	19	5500	LP_Signal_06	Yes
7	10	5500	LP_Signal_07	Yes
8	20	5500	LP_Signal_08	Yes
9	14	5500	LP_Signal_09	Yes
10	5	5500	LP_Signal_10	Yes
11	17	5497	LP_Signal_11	Yes
12	18	5497	LP_Signal_12	Yes
13	6	5492	LP_Signal_13	Yes
14	11	5494	LP_Signal_14	Yes
15	15	5496	LP_Signal_15	Yes
16	7	5493	LP_Signal_16	Yes
17	16	5496	LP_Signal_17	Yes
18	5	5492	LP_Signal_18	Yes
19	8	5493	LP_Signal_19	Yes
20	12	5495	LP_Signal_20	Yes
21	14	5504	LP_Signal_21	**No**
22	5	5508	LP_Signal_22	Yes
23	13	5505	LP_Signal_23	Yes
24	10	5506	LP_Signal_24	Yes
25	17	5503	LP_Signal_25	Yes
26	5	5508	LP_Signal_26	Yes
27	20	5502	LP_Signal_27	Yes
28	16	5504	LP_Signal_28	Yes
29	10	5506	LP_Signal_29	**No**
30	20	5502	LP_Signal_30	Yes
				Detection Rate : 93.3%

Note: The Long Pulse Radar pattern shown in Appendix A.1

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Type 6 Radar Statistical Performances					
Trial #	Pulses per Burst	Pulse Width(us)	PRI(us)	Hopping Frequency Sequence Name	Detection
1	9	1	333.3	HOP_FREQ_SEQ_01	Yes
2	9	1	333.3	HOP_FREQ_SEQ_02	**No**
3	9	1	333.3	HOP_FREQ_SEQ_03	Yes
4	9	1	333.3	HOP_FREQ_SEQ_04	Yes
5	9	1	333.3	HOP_FREQ_SEQ_05	Yes
6	9	1	333.3	HOP_FREQ_SEQ_06	Yes
7	9	1	333.3	HOP_FREQ_SEQ_07	**No**
8	9	1	333.3	HOP_FREQ_SEQ_08	Yes
9	9	1	333.3	HOP_FREQ_SEQ_09	Yes
10	9	1	333.3	HOP_FREQ_SEQ_10	Yes
11	9	1	333.3	HOP_FREQ_SEQ_11	Yes
12	9	1	333.3	HOP_FREQ_SEQ_12	Yes
13	9	1	333.3	HOP_FREQ_SEQ_13	Yes
14	9	1	333.3	HOP_FREQ_SEQ_14	Yes
15	9	1	333.3	HOP_FREQ_SEQ_15	Yes
16	9	1	333.3	HOP_FREQ_SEQ_16	Yes
17	9	1	333.3	HOP_FREQ_SEQ_17	Yes
18	9	1	333.3	HOP_FREQ_SEQ_18	Yes
19	9	1	333.3	HOP_FREQ_SEQ_19	Yes
20	9	1	333.3	HOP_FREQ_SEQ_20	Yes
21	9	1	333.3	HOP_FREQ_SEQ_21	Yes
22	9	1	333.3	HOP_FREQ_SEQ_22	Yes
23	9	1	333.3	HOP_FREQ_SEQ_23	Yes
24	9	1	333.3	HOP_FREQ_SEQ_24	Yes
25	9	1	333.3	HOP_FREQ_SEQ_25	Yes
26	9	1	333.3	HOP_FREQ_SEQ_26	Yes
27	9	1	333.3	HOP_FREQ_SEQ_27	Yes
28	9	1	333.3	HOP_FREQ_SEQ_28	Yes
29	9	1	333.3	HOP_FREQ_SEQ_29	**No**
30	9	1	333.3	HOP_FREQ_SEQ_30	Yes
					Detection Rate : 90%

Note: The Frequency Hopping Radar pattern shown in Appendix A.2

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Type 1 Radar Statistical Performances						
Trial #	Test Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (pps)	Pulses per Burst	Pulse Repetition Interval (μsec)	Detection
1	5510	17	1193	63	838	Yes
2	5520	23	326.2	18	3066	Yes
3	5500	1	1931	102	518	Yes
4	5493	11	1393	74	718	Yes
5	5491	12	1355	72	738	Yes
6	5510	10	1433	76	698	**No**
7	5527	15	1253	67	798	Yes
8	5510	13	1319	70	758	Yes
9	5510	4	1730	92	578	Yes
10	5502	8	1520	81	658	Yes
11	5522	22	1066	57	938	Yes
12	5523	20	1114	59	898	Yes
13	5501	19	1139	61	878	Yes
14	5514	14	1285	68	778	Yes
15	5530	6	1618	86	618	**No**
16	5511	-	393.5	21	2541	**No**
17	5525	-	685.4	37	1459	Yes
18	5518	-	669.8	36	1493	Yes
19	5499	-	379.2	21	2637	Yes
20	5524	-	588.9	32	1698	Yes
21	5510	-	753.6	40	1327	Yes
22	5498	-	409.7	22	2441	Yes
23	5494	-	489.5	26	2043	Yes
24	5520	-	1647	87	607	Yes
25	5492	-	901.7	48	1109	Yes
26	5504	-	1024	55	977	Yes
27	5493	-	990.1	53	1010	Yes
28	5515	-	905.8	48	1104	Yes
29	5500	-	604.2	32	1655	Yes
30	5510	-	585.5	31	1708	Yes
						Detection Rate : 90%

Note. “ - “ : 15 unique PRI values randomly selected within the range of 518-3066 μsec,with a minimum increment of 1μsec, excluding PRI values selected in Test A

802.11ax (HE40)

Type 2 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5510	26	2.8	215	Yes
2	5520	29	4.5	230	Yes
3	5500	29	4.9	187	Yes
4	5499	27	3.8	164	Yes
5	5516	29	4.7	219	Yes
6	5523	23	1.3	228	Yes
7	5496	24	2	174	Yes
8	5527	23	1.4	208	Yes
9	5499	24	1.9	163	Yes
10	5508	28	4.1	152	Yes
11	5528	24	1.9	179	Yes
12	5500	28	4.1	170	Yes
13	5493	27	3.8	190	Yes
14	5511	29	4.9	172	Yes
15	5492	24	2.1	177	Yes
16	5505	29	4.5	191	Yes
17	5491	26	2.9	165	Yes
18	5515	25	2.5	159	Yes
19	5520	25	2.4	184	Yes
20	5502	27	3.6	218	Yes
21	5517	29	4.9	192	Yes
22	5522	23	1.5	171	Yes
23	5514	28	3.9	198	Yes
24	5493	27	3.5	157	Yes
25	5491	25	2.6	160	Yes
26	5525	24	1.8	211	Yes
27	5504	23	1.2	150	Yes
28	5517	23	1.1	226	**No**
29	5529	29	4.6	194	**No**
30	5512	28	4.3	199	Yes
Detection Rate : 93.3%					

802.11ax (HE40)

Type 3 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5510	17	7.8	417	Yes
2	5520	18	9.5	460	Yes
3	5500	18	9.9	499	**No**
4	5516	18	8.8	356	Yes
5	5508	18	9.7	293	Yes
6	5506	16	6.3	340	**No**
7	5521	16	7	223	Yes
8	5516	16	6.4	461	Yes
9	5509	16	6.9	445	**No**
10	5510	18	9.1	273	Yes
11	5506	16	6.9	234	**No**
12	5516	18	9.1	342	Yes
13	5521	18	8.8	479	Yes
14	5519	18	9.9	495	Yes
15	5529	16	7.1	472	Yes
16	5521	18	9.5	408	Yes
17	5498	17	7.9	203	Yes
18	5504	17	7.5	478	Yes
19	5510	17	7.4	244	Yes
20	5516	17	8.6	285	Yes
21	5507	18	9.9	422	Yes
22	5501	16	6.5	369	**No**
23	5526	18	8.9	367	Yes
24	5519	17	8.5	295	Yes
25	5523	17	7.6	300	Yes
26	5523	16	6.8	233	Yes
27	5503	16	6.2	238	Yes
28	5527	16	6.1	403	Yes
29	5513	18	9.6	372	Yes
30	5522	18	9.3	358	Yes
					Detection Rate : 83.3%

802.11ax (HE40)

Type 4 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5510	14	15	417	Yes
2	5520	16	18.8	460	Yes
3	5500	16	19.8	499	Yes
4	5497	15	17.2	356	Yes
5	5524	16	19.2	293	Yes
6	5513	12	11.6	340	**No**
7	5503	13	13.3	223	Yes
8	5495	12	11.9	461	Yes
9	5521	13	13	445	**No**
10	5508	15	18	273	Yes
11	5515	13	13	234	Yes
12	5504	15	17.8	342	Yes
13	5514	15	17.2	479	Yes
14	5514	16	19.8	495	Yes
15	5523	13	13.5	472	Yes
16	5514	16	18.8	408	**No**
17	5503	14	15.3	203	Yes
18	5509	13	14.4	478	**No**
19	5529	13	14.2	244	Yes
20	5495	15	16.8	285	Yes
21	5509	16	19.8	422	Yes
22	5517	12	12.2	369	Yes
23	5526	15	17.5	367	Yes
24	5508	15	16.6	295	Yes
25	5498	14	14.6	300	Yes
26	5522	13	12.8	233	Yes
27	5517	12	11.4	238	Yes
28	5530	12	11.2	403	Yes
29	5530	16	19.1	372	**No**
30	5507	16	18.3	358	**No**
					Detection Rate : 80%

802.11ax (HE40)

Type 5 Radar Statistical Performances				
Trial #	Minimum Chirp Width(MHz)	Chirp Center Frequency(MHz)	Test Signal Name	Detection
1	12	5510	LP_Signal_01	Yes
2	6	5510	LP_Signal_02	**No**
3	6	5510	LP_Signal_03	Yes
4	15	5510	LP_Signal_04	Yes
5	16	5510	LP_Signal_05	Yes
6	18	5510	LP_Signal_06	Yes
7	10	5510	LP_Signal_07	Yes
8	16	5510	LP_Signal_08	Yes
9	11	5510	LP_Signal_09	Yes
10	13	5510	LP_Signal_10	Yes
11	16	5496	LP_Signal_11	Yes
12	11	5494	LP_Signal_12	Yes
13	10	5494	LP_Signal_13	Yes
14	19	5498	LP_Signal_14	**No**
15	18	5497	LP_Signal_15	Yes
16	7	5493	LP_Signal_16	Yes
17	12	5495	LP_Signal_17	Yes
18	9	5494	LP_Signal_18	Yes
19	19	5498	LP_Signal_19	Yes
20	16	5496	LP_Signal_20	Yes
21	18	5523	LP_Signal_21	Yes
22	6	5528	LP_Signal_22	Yes
23	6	5528	LP_Signal_23	Yes
24	15	5524	LP_Signal_24	Yes
25	12	5525	LP_Signal_25	**No**
26	9	5526	LP_Signal_26	Yes
27	17	5523	LP_Signal_27	Yes
28	18	5523	LP_Signal_28	Yes
29	10	5526	LP_Signal_29	Yes
30	6	5528	LP_Signal_30	Yes
				Detection Rate : 90%

Note: The Long Pulse Radar pattern shown in Appendix A.1

802.11ax (HE40)

Type 6 Radar Statistical Performances					
Trial #	Pulses per Burst	Pulse Width(us)	PRI(us)	Hopping Frequency Sequence Name	Detection
1	9	1	333.3	HOP_FREQ_SEQ_01	Yes
2	9	1	333.3	HOP_FREQ_SEQ_02	Yes
3	9	1	333.3	HOP_FREQ_SEQ_03	Yes
4	9	1	333.3	HOP_FREQ_SEQ_04	Yes
5	9	1	333.3	HOP_FREQ_SEQ_05	Yes
6	9	1	333.3	HOP_FREQ_SEQ_06	Yes
7	9	1	333.3	HOP_FREQ_SEQ_07	Yes
8	9	1	333.3	HOP_FREQ_SEQ_08	Yes
9	9	1	333.3	HOP_FREQ_SEQ_09	Yes
10	9	1	333.3	HOP_FREQ_SEQ_10	Yes
11	9	1	333.3	HOP_FREQ_SEQ_11	Yes
12	9	1	333.3	HOP_FREQ_SEQ_12	Yes
13	9	1	333.3	HOP_FREQ_SEQ_13	Yes
14	9	1	333.3	HOP_FREQ_SEQ_14	Yes
15	9	1	333.3	HOP_FREQ_SEQ_15	**No**
16	9	1	333.3	HOP_FREQ_SEQ_16	Yes
17	9	1	333.3	HOP_FREQ_SEQ_17	Yes
18	9	1	333.3	HOP_FREQ_SEQ_18	Yes
19	9	1	333.3	HOP_FREQ_SEQ_19	**No**
20	9	1	333.3	HOP_FREQ_SEQ_20	Yes
21	9	1	333.3	HOP_FREQ_SEQ_21	Yes
22	9	1	333.3	HOP_FREQ_SEQ_22	Yes
23	9	1	333.3	HOP_FREQ_SEQ_23	Yes
24	9	1	333.3	HOP_FREQ_SEQ_24	Yes
25	9	1	333.3	HOP_FREQ_SEQ_25	Yes
26	9	1	333.3	HOP_FREQ_SEQ_26	Yes
27	9	1	333.3	HOP_FREQ_SEQ_27	Yes
28	9	1	333.3	HOP_FREQ_SEQ_28	Yes
29	9	1	333.3	HOP_FREQ_SEQ_29	Yes
30	9	1	333.3	HOP_FREQ_SEQ_30	**No**
					Detection Rate : 90%

Note: The Frequency Hopping Radar pattern shown in Appendix A.2

802.11ax (HE80)

Type 1 Radar Statistical Performances						
Trial #	Test Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (pps)	Pulses per Burst	Pulse Repetition Interval (μsec)	Detection
1	5530	17	1193	63	838	Yes
2	5540	23	326.2	18	3066	Yes
3	5560	1	1931	102	518	Yes
4	5520	11	1393	74	718	Yes
5	5500	12	1355	72	738	**No**
6	5515	10	1433	76	698	Yes
7	5519	15	1253	67	798	Yes
8	5554	13	1319	70	758	Yes
9	5522	4	1730	92	578	Yes
10	5511	8	1520	81	658	Yes
11	5495	22	1066	57	938	Yes
12	5523	20	1114	59	898	Yes
13	5514	19	1139	61	878	Yes
14	5517	14	1285	68	778	Yes
15	5563	6	1618	86	618	Yes
16	5505	-	393.5	21	2541	Yes
17	5551	-	685.4	37	1459	Yes
18	5557	-	669.8	36	1493	Yes
19	5510	-	379.2	21	2637	Yes
20	5521	-	588.9	32	1698	Yes
21	5551	-	753.6	40	1327	**No**
22	5510	-	409.7	22	2441	Yes
23	5535	-	489.5	26	2043	Yes
24	5502	-	1647	87	607	Yes
25	5566	-	901.7	48	1109	Yes
26	5557	-	1024	55	977	Yes
27	5538	-	990.1	53	1010	Yes
28	5547	-	905.8	48	1104	Yes
29	5530	-	604.2	32	1655	Yes
30	5504	-	585.5	31	1708	Yes
						Detection Rate : 93.3%

Note. " - " : 15 unique PRI values randomly selected within the range of 518-3066 μsec,with a minimum increment of 1μsec, excluding PRI values selected in Test A

802.11ax (HE80)

Type 2 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5530	26	2.8	215	Yes
2	5540	29	4.5	230	**No**
3	5560	29	4.9	187	Yes
4	5520	27	3.8	164	Yes
5	5500	29	4.7	219	Yes
6	5510	23	1.3	228	Yes
7	5531	24	2	174	Yes
8	5503	23	1.4	208	Yes
9	5505	24	1.9	163	Yes
10	5494	28	4.1	152	Yes
11	5505	24	1.9	179	Yes
12	5557	28	4.1	170	**No**
13	5492	27	3.8	190	Yes
14	5545	29	4.9	172	Yes
15	5538	24	2.1	177	Yes
16	5558	29	4.5	191	Yes
17	5553	26	2.9	165	Yes
18	5555	25	2.5	159	Yes
19	5501	25	2.4	184	Yes
20	5543	27	3.6	218	Yes
21	5501	29	4.9	192	Yes
22	5504	23	1.5	171	Yes
23	5564	28	3.9	198	Yes
24	5564	27	3.5	157	Yes
25	5512	25	2.6	160	Yes
26	5565	24	1.8	211	Yes
27	5496	23	1.2	150	Yes
28	5569	23	1.1	226	Yes
29	5545	29	4.6	194	Yes
30	5535	28	4.3	199	Yes
					Detection Rate : 93.3%

802.11ax (HE80)

Type 3 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5530	17	7.8	417	Yes
2	5540	18	9.5	460	Yes
3	5560	18	9.9	499	Yes
4	5520	18	8.8	356	Yes
5	5500	18	9.7	293	Yes
6	5498	16	6.3	340	Yes
7	5549	16	7	223	Yes
8	5516	16	6.4	461	Yes
9	5506	16	6.9	445	**No**
10	5501	18	9.1	273	Yes
11	5511	16	6.9	234	Yes
12	5562	18	9.1	342	Yes
13	5537	18	8.8	479	Yes
14	5521	18	9.9	495	Yes
15	5495	16	7.1	472	Yes
16	5513	18	9.5	408	Yes
17	5536	17	7.9	203	**No**
18	5493	17	7.5	478	Yes
19	5515	17	7.4	244	Yes
20	5508	17	8.6	285	Yes
21	5510	18	9.9	422	Yes
22	5543	16	6.5	369	Yes
23	5568	18	8.9	367	Yes
24	5534	17	8.5	295	Yes
25	5505	17	7.6	300	Yes
26	5492	16	6.8	233	Yes
27	5559	16	6.2	238	Yes
28	5521	16	6.1	403	Yes
29	5552	18	9.6	372	Yes
30	5562	18	9.3	358	**No**
					Detection Rate : 90%

802.11ax (HE80)

Type 4 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5530	14	15	417	Yes
2	5540	16	18.8	460	Yes
3	5560	16	19.8	499	Yes
4	5520	15	17.2	356	Yes
5	5500	16	19.2	293	**No**
6	5541	12	11.6	340	Yes
7	5522	13	13.3	223	**No**
8	5556	12	11.9	461	Yes
9	5514	13	13	445	Yes
10	5515	15	18	273	Yes
11	5566	13	13	234	**No**
12	5524	15	17.8	342	Yes
13	5566	15	17.2	479	**No**
14	5520	16	19.8	495	Yes
15	5559	13	13.5	472	Yes
16	5540	16	18.8	408	Yes
17	5545	14	15.3	203	**No**
18	5532	13	14.4	478	Yes
19	5543	13	14.2	244	Yes
20	5539	15	16.8	285	**No**
21	5492	16	19.8	422	Yes
22	5535	12	12.2	369	Yes
23	5500	15	17.5	367	Yes
24	5500	15	16.6	295	Yes
25	5507	14	14.6	300	Yes
26	5518	13	12.8	233	Yes
27	5539	12	11.4	238	Yes
28	5546	12	11.2	403	Yes
29	5556	16	19.1	372	Yes
30	5499	16	18.3	358	Yes
					Detection Rate : 80%

802.11ax (HE80)

Type 5 Radar Statistical Performances				
Trial #	Minimum Chirp Width(MHz)	Chirp Center Frequency(MHz)	Test Signal Name	Detection
1	15	5530	LP_Signal_01	Yes
2	11	5530	LP_Signal_02	Yes
3	12	5530	LP_Signal_03	Yes
4	10	5530	LP_Signal_04	Yes
5	18	5530	LP_Signal_05	Yes
6	14	5530	LP_Signal_06	Yes
7	17	5530	LP_Signal_07	Yes
8	10	5530	LP_Signal_08	**No**
9	12	5530	LP_Signal_09	Yes
10	19	5530	LP_Signal_10	Yes
11	7	5494	LP_Signal_11	Yes
12	15	5497	LP_Signal_12	Yes
13	7	5494	LP_Signal_13	Yes
14	20	5499	LP_Signal_14	Yes
15	18	5498	LP_Signal_15	Yes
16	19	5499	LP_Signal_16	Yes
17	13	5496	LP_Signal_17	Yes
18	12	5496	LP_Signal_18	Yes
19	15	5497	LP_Signal_19	Yes
20	9	5495	LP_Signal_20	Yes
21	5	5567	LP_Signal_21	Yes
22	18	5562	LP_Signal_22	Yes
23	7	5566	LP_Signal_23	**No**
24	18	5562	LP_Signal_24	Yes
25	9	5565	LP_Signal_25	Yes
26	11	5565	LP_Signal_26	Yes
27	11	5565	LP_Signal_27	Yes
28	11	5565	LP_Signal_28	Yes
29	15	5563	LP_Signal_29	Yes
30	7	5566	LP_Signal_30	Yes
				Detection Rate : 93.3%

Note: The Long Pulse Radar pattern shown in Appendix A.1

802.11ax (HE80)

Type 6 Radar Statistical Performances					
Trial #	Pulses per Burst	Pulse Width(us)	PRI(us)	Hopping Frequency Sequence Name	Detection
1	9	1	333.3	HOP_FREQ_SEQ_01	Yes
2	9	1	333.3	HOP_FREQ_SEQ_02	Yes
3	9	1	333.3	HOP_FREQ_SEQ_03	**No**
4	9	1	333.3	HOP_FREQ_SEQ_04	Yes
5	9	1	333.3	HOP_FREQ_SEQ_05	Yes
6	9	1	333.3	HOP_FREQ_SEQ_06	**No**
7	9	1	333.3	HOP_FREQ_SEQ_07	Yes
8	9	1	333.3	HOP_FREQ_SEQ_08	Yes
9	9	1	333.3	HOP_FREQ_SEQ_09	Yes
10	9	1	333.3	HOP_FREQ_SEQ_10	Yes
11	9	1	333.3	HOP_FREQ_SEQ_11	Yes
12	9	1	333.3	HOP_FREQ_SEQ_12	Yes
13	9	1	333.3	HOP_FREQ_SEQ_13	Yes
14	9	1	333.3	HOP_FREQ_SEQ_14	Yes
15	9	1	333.3	HOP_FREQ_SEQ_15	Yes
16	9	1	333.3	HOP_FREQ_SEQ_16	Yes
17	9	1	333.3	HOP_FREQ_SEQ_17	Yes
18	9	1	333.3	HOP_FREQ_SEQ_18	Yes
19	9	1	333.3	HOP_FREQ_SEQ_19	Yes
20	9	1	333.3	HOP_FREQ_SEQ_20	Yes
21	9	1	333.3	HOP_FREQ_SEQ_21	Yes
22	9	1	333.3	HOP_FREQ_SEQ_22	Yes
23	9	1	333.3	HOP_FREQ_SEQ_23	Yes
24	9	1	333.3	HOP_FREQ_SEQ_24	Yes
25	9	1	333.3	HOP_FREQ_SEQ_25	Yes
26	9	1	333.3	HOP_FREQ_SEQ_26	Yes
27	9	1	333.3	HOP_FREQ_SEQ_27	Yes
28	9	1	333.3	HOP_FREQ_SEQ_28	**No**
29	9	1	333.3	HOP_FREQ_SEQ_29	Yes
30	9	1	333.3	HOP_FREQ_SEQ_30	Yes
					Detection Rate : 90%

Note: The Frequency Hopping Radar pattern shown in Appendix A.2

802.11ax (HE160)

Type 1 Radar Statistical Performances						
Trial #	Test Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency (pps)	Pulses per Burst	Pulse Repetition Interval (μsec	Detection
1	5570	17	1193	63	838	Yes
2	5580	23	326.2	18	3066	Yes
3	5600	1	1931	102	518	**No**
4	5560	11	1393	74	718	Yes
5	5540	12	1355	72	738	Yes
6	5552	10	1433	76	698	Yes
7	5635	15	1253	67	798	Yes
8	5601	13	1319	70	758	Yes
9	5577	4	1730	92	578	Yes
10	5493	8	1520	81	658	Yes
11	5544	22	1066	57	938	Yes
12	5630	20	1114	59	898	**No**
13	5531	19	1139	61	878	Yes
14	5533	14	1285	68	778	Yes
15	5645	6	1618	86	618	Yes
16	5558	-	393.5	21	2541	Yes
17	5526	-	685.4	37	1459	**No**
18	5502	-	669.8	36	1493	Yes
19	5551	-	379.2	21	2637	Yes
20	5550	-	588.9	32	1698	Yes
21	5558	-	753.6	40	1327	Yes
22	5643	-	409.7	22	2441	Yes
23	5522	-	489.5	26	2043	Yes
24	5576	-	1647	87	607	Yes
25	5645	-	901.7	48	1109	Yes
26	5549	-	1024	55	977	Yes
27	5508	-	990.1	53	1010	Yes
28	5534	-	905.8	48	1104	Yes
29	5571	-	604.2	32	1655	Yes
30	5564	-	585.5	31	1708	Yes
						Detection Rate : 90%

Note. “ - “ : 15 unique PRI values randomly selected within the range of 518-3066 μsec,with a minimum increment of 1μsec, excluding PRI values selected in Test A

802.11ax (HE160)

Type 2 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5570	26	2.8	215	Yes
2	5580	29	4.5	230	Yes
3	5600	29	4.9	187	Yes
4	5560	27	3.8	164	Yes
5	5540	29	4.7	219	Yes
6	5626	23	1.3	228	Yes
7	5547	24	2	174	Yes
8	5609	23	1.4	208	Yes
9	5586	24	1.9	163	Yes
10	5615	28	4.1	152	Yes
11	5493	24	1.9	179	Yes
12	5551	28	4.1	170	Yes
13	5527	27	3.8	190	Yes
14	5633	29	4.9	172	Yes
15	5644	24	2.1	177	Yes
16	5549	29	4.5	191	Yes
17	5580	26	2.9	165	**No**
18	5501	25	2.5	159	Yes
19	5556	25	2.4	184	Yes
20	5579	27	3.6	218	Yes
21	5521	29	4.9	192	Yes
22	5501	23	1.5	171	Yes
23	5527	28	3.9	198	Yes
24	5521	27	3.5	157	**No**
25	5580	25	2.6	160	Yes
26	5567	24	1.8	211	Yes
27	5508	23	1.2	150	Yes
28	5615	23	1.1	226	**No**
29	5572	29	4.6	194	Yes
30	5612	28	4.3	199	Yes
					Detection Rate : 90%

802.11ax (HE160)

Type 3 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5570	17	7.8	417	**No**
2	5580	18	9.5	460	**No**
3	5600	18	9.9	499	Yes
4	5560	18	8.8	356	Yes
5	5540	18	9.7	293	Yes
6	5562	16	6.3	340	Yes
7	5609	16	7	223	Yes
8	5545	16	6.4	461	Yes
9	5634	16	6.9	445	Yes
10	5541	18	9.1	273	Yes
11	5567	16	6.9	234	Yes
12	5535	18	9.1	342	Yes
13	5583	18	8.8	479	Yes
14	5584	18	9.9	495	**No**
15	5612	16	7.1	472	Yes
16	5584	18	9.5	408	**No**
17	5639	17	7.9	203	Yes
18	5547	17	7.5	478	Yes
19	5613	17	7.4	244	Yes
20	5498	17	8.6	285	Yes
21	5580	18	9.9	422	Yes
22	5566	16	6.5	369	Yes
23	5604	18	8.9	367	Yes
24	5592	17	8.5	295	Yes
25	5629	17	7.6	300	Yes
26	5533	16	6.8	233	Yes
27	5641	16	6.2	238	Yes
28	5589	16	6.1	403	Yes
29	5606	18	9.6	372	Yes
30	5579	18	9.3	358	Yes
					Detection Rate : 86.6%

802.11ax (HE160)

Type 4 Radar Statistical Performances					
Trial #	Test Frequency (MHz)	Pulses per Burst	Pulse Width(us)	PRI(us)	Detection
1	5570	14	15	417	Yes
2	5580	16	18.8	460	Yes
3	5600	16	19.8	499	Yes
4	5560	15	17.2	356	**No**
5	5540	16	19.2	293	Yes
6	5619	12	11.6	340	Yes
7	5630	13	13.3	223	Yes
8	5516	12	11.9	461	Yes
9	5614	13	13	445	Yes
10	5563	15	18	273	Yes
11	5524	13	13	234	**No**
12	5588	15	17.8	342	Yes
13	5502	15	17.2	479	Yes
14	5580	16	19.8	495	**No**
15	5591	13	13.5	472	**No**
16	5555	16	18.8	408	Yes
17	5633	14	15.3	203	Yes
18	5545	13	14.4	478	Yes
19	5645	13	14.2	244	**No**
20	5555	15	16.8	285	Yes
21	5500	16	19.8	422	Yes
22	5601	12	12.2	369	Yes
23	5607	15	17.5	367	Yes
24	5521	15	16.6	295	Yes
25	5557	14	14.6	300	Yes
26	5524	13	12.8	233	Yes
27	5547	12	11.4	238	**No**
28	5630	12	11.2	403	Yes
29	5529	16	19.1	372	**No**
30	5522	16	18.3	358	Yes
					Detection Rate : 76.6%

802.11ax (HE160)

Type 5 Radar Statistical Performances				
Trial #	Minimum Chirp Width(MHz)	Chirp Center Frequency(MHz)	Test Signal Name	Detection
1	12	5570	LP_Signal_01	Yes
2	18	5570	LP_Signal_02	Yes
3	20	5570	LP_Signal_03	Yes
4	16	5570	LP_Signal_04	Yes
5	19	5570	LP_Signal_05	Yes
6	6	5570	LP_Signal_06	Yes
7	9	5570	LP_Signal_07	Yes
8	6	5570	LP_Signal_08	Yes
9	8	5570	LP_Signal_09	**No**
10	17	5570	LP_Signal_10	Yes
11	8	5494	LP_Signal_11	Yes
12	17	5498	LP_Signal_12	Yes
13	16	5497	LP_Signal_13	Yes
14	20	5499	LP_Signal_14	Yes
15	9	5495	LP_Signal_15	Yes
16	18	5498	LP_Signal_16	Yes
17	12	5496	LP_Signal_17	Yes
18	11	5495	LP_Signal_18	Yes
19	10	5495	LP_Signal_19	Yes
20	15	5497	LP_Signal_20	Yes
21	20	5641	LP_Signal_21	**No**
22	7	5646	LP_Signal_22	Yes
23	16	5643	LP_Signal_23	Yes
24	14	5643	LP_Signal_24	Yes
25	11	5645	LP_Signal_25	Yes
26	8	5646	LP_Signal_26	Yes
27	5	5647	LP_Signal_27	Yes
28	5	5647	LP_Signal_28	Yes
29	19	5641	LP_Signal_29	Yes
30	17	5642	LP_Signal_30	Yes
				Detection Rate : 93.3%

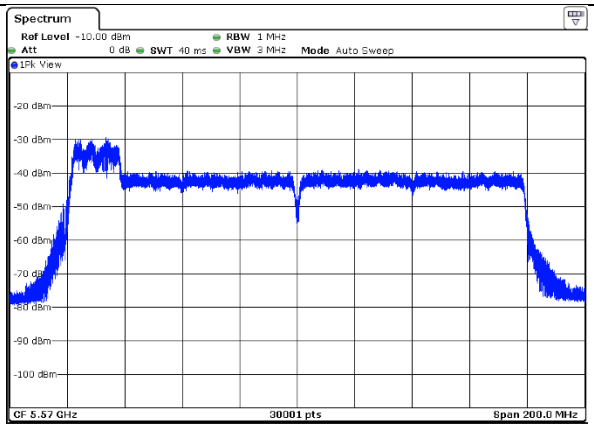
Note: The Long Pulse Radar pattern shown in Appendix A.1

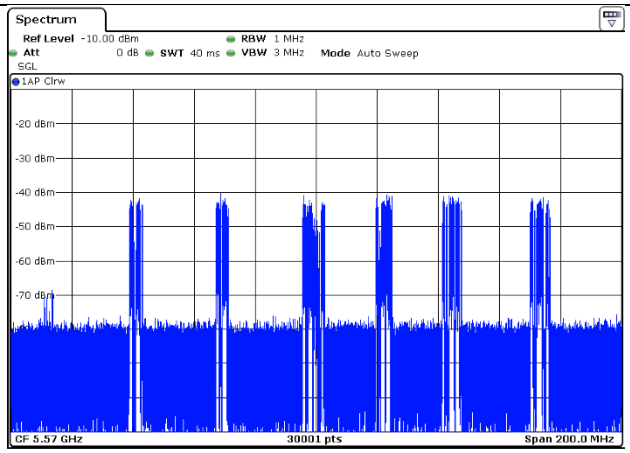
802.11ax (HE160)

Type 6 Radar Statistical Performances					
Trial #	Pulses per Burst	Pulse Width(us)	PRI(us)	Hopping Frequency Sequence Name	Detection
1	9	1	333.3	HOP_FREQ_SEQ_01	Yes
2	9	1	333.3	HOP_FREQ_SEQ_02	Yes
3	9	1	333.3	HOP_FREQ_SEQ_03	Yes
4	9	1	333.3	HOP_FREQ_SEQ_04	Yes
5	9	1	333.3	HOP_FREQ_SEQ_05	Yes
6	9	1	333.3	HOP_FREQ_SEQ_06	Yes
7	9	1	333.3	HOP_FREQ_SEQ_07	Yes
8	9	1	333.3	HOP_FREQ_SEQ_08	Yes
9	9	1	333.3	HOP_FREQ_SEQ_09	Yes
10	9	1	333.3	HOP_FREQ_SEQ_10	Yes
11	9	1	333.3	HOP_FREQ_SEQ_11	Yes
12	9	1	333.3	HOP_FREQ_SEQ_12	Yes
13	9	1	333.3	HOP_FREQ_SEQ_13	Yes
14	9	1	333.3	HOP_FREQ_SEQ_14	Yes
15	9	1	333.3	HOP_FREQ_SEQ_15	**No**
16	9	1	333.3	HOP_FREQ_SEQ_16	Yes
17	9	1	333.3	HOP_FREQ_SEQ_17	Yes
18	9	1	333.3	HOP_FREQ_SEQ_18	Yes
19	9	1	333.3	HOP_FREQ_SEQ_19	**No**
20	9	1	333.3	HOP_FREQ_SEQ_20	Yes
21	9	1	333.3	HOP_FREQ_SEQ_21	Yes
22	9	1	333.3	HOP_FREQ_SEQ_22	Yes
23	9	1	333.3	HOP_FREQ_SEQ_23	Yes
24	9	1	333.3	HOP_FREQ_SEQ_24	Yes
25	9	1	333.3	HOP_FREQ_SEQ_25	Yes
26	9	1	333.3	HOP_FREQ_SEQ_26	Yes
27	9	1	333.3	HOP_FREQ_SEQ_27	Yes
28	9	1	333.3	HOP_FREQ_SEQ_28	Yes
29	9	1	333.3	HOP_FREQ_SEQ_29	Yes
30	9	1	333.3	HOP_FREQ_SEQ_30	Yes
					Detection Rate : 93.3%

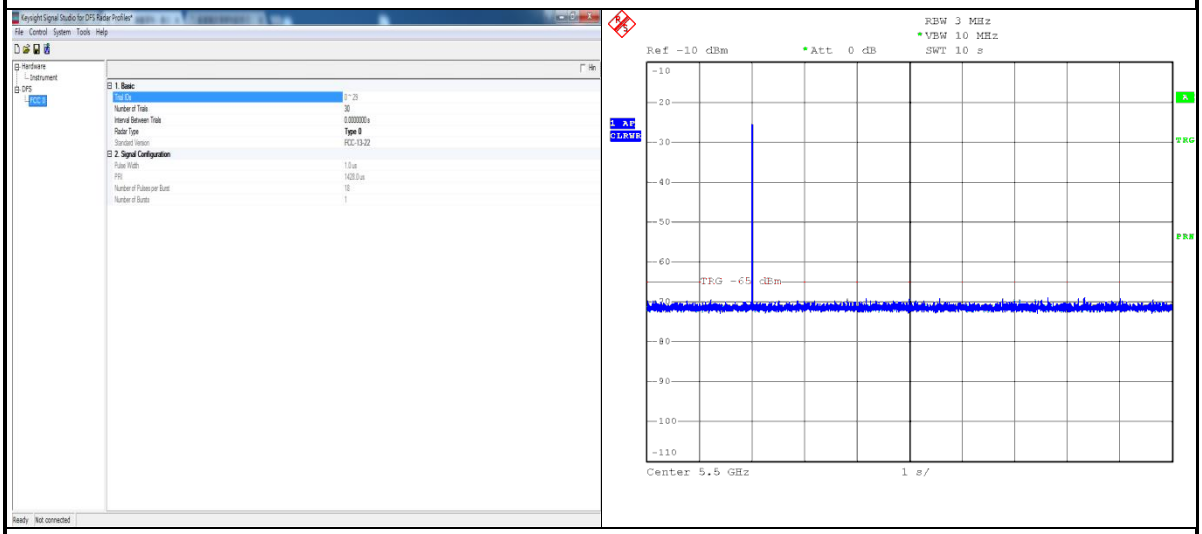
Note: The Frequency Hopping Radar pattern shown in Appendix A.2

6.2.5 Non- Occupancy Period

1) Test results demonstrating an associated client link is established with the master on a test frequency.

EUT (master) links with Client on 5570MHz

2) The master and DFS-certified client device are associated, and system testing will be performed with channel-loading for a non-occupancy period test.

Client performed with channel-loading via master.

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



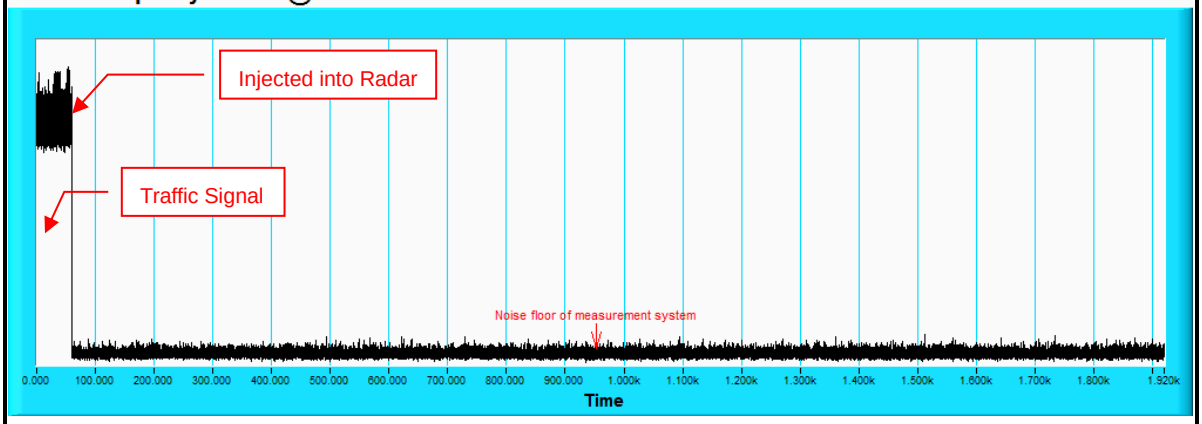
Radar 0 is used to test during DFS testing.

4) The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes;

Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear;

5) An analyzer plot that contains a single 30-minute sweep on the original test frequency.

Non - Occupancy Period @ CH114 - 5570MHz



7. Information of the Testing Laboratories

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

If you have any comments, please feel free to contact us at the following:

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

APPENDIX-A

RADAR TEST SIGNAL

BW20

A.1 The Long Pulse Radar Pattern

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_01

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	16	84.9	1262	1427	1286
2	3	16	99	1621	1355	1756
3	2	16	72.3	1743	1187	-
4	1	16	52	1329	-	-
5	3	16	84.4	1749	1671	1675
6	3	16	95.6	1031	1729	1449
7	1	16	65.7	1019	-	-
8	3	16	98.9	1561	1536	1257
9	2	16	78.8	1490	1250	-
10	1	16	50.8	1396	-	-
11	3	16	88.2	1559	1172	1325
12	3	16	93.2	1473	1752	1232
13	1	16	53.4	1439	-	-
14	2	16	69.7	1259	1643	-
15	3	16	84.1	1488	1179	1692
16	1	16	57.2	1496	-	-
17	3	16	84.5	1773	1557	1939
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_02

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	20	50.7	1209	-	-
2	1	20	62.3	1169	-	-
3	2	20	72.3	1802	1733	-
4	2	20	80.4	1248	1569	-
5	1	20	50	1358	-	-
6	2	20	77.1	1778	1192	-
7	2	20	68.4	1710	1283	-
8	3	20	87.9	1901	1871	1868
9	1	20	51.6	1870	-	-
10	3	20	99.5	1114	1549	1884
11	3	20	85	1764	1750	1296
12	2	20	67.3	1281	1105	-
13	3	20	99.7	1290	1955	1501
14	3	20	97	1852	1301	1574
15	3	20	99.3	1450	1918	1564
16	3	20	87.1	1698	1758	1368
17	2	20	75.8	1976	1040	-
18	3	20	98.8	1363	1578	1936
19	3	20	83.7	1360	1842	1310
20	2	20	71.3	1826	1628	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_03

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	84.6	1659	1008	1055
2	3	12	97	1205	1407	1305
3	3	12	94.1	1690	1507	1448
4	2	12	81.3	1382	1506	-
5	2	12	77.5	1239	1830	-
6	1	12	56.7	1706	-	-
7	2	12	82.5	1475	1984	-
8	3	12	99	1580	1421	1203
9	1	12	64.4	1044	-	-
10	2	12	74.1	1516	1724	-
11	3	12	89.3	1387	1720	1060
12	1	12	59.9	1923	-	-
13	3	12	99.9	1600	1797	1466
14						
15						
16						
17						
18						
19						
20						

Long Pulse Radar Test Signal						
Test Signal Name: LP_Signal_04 Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	5	92.5	1844	1249	1048
2	1	5	59.1	1349	-	-
3	3	5	94.1	1167	1398	1228
4	3	5	88.3	1057	1376	1115
5	2	5	70	1741	1803	-
6	3	5	84.9	1535	1125	1461
7	2	5	71.9	1631	1142	-
8	1	5	53.9	1876	-	-
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_05

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	15	64.1	1322	-	-
2	2	15	82.7	1241	1217	-
3	3	15	96.1	1541	1924	1938
4	2	15	80.8	1920	1972	-
5	2	15	81.5	1447	1780	-
6	2	15	79.1	1784	1711	-
7	1	15	53.8	1022	-	-
8	3	15	88.9	1914	1457	1680
9	1	15	56	1635	-	-
10	2	15	77.7	1413	1023	-
11	2	15	71	1977	1502	-
12	1	15	50.4	1670	-	-
13	3	15	86	1654	1174	1854
14	3	15	99.9	1595	1292	1338
15	1	15	53.8	1908	-	-
16	2	15	68.2	1845	1258	-
17						
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	91	1856	1285	1509
2	1	19	52.8	1484	-	-
3	3	19	93.3	1612	1725	1594
4	3	19	94.6	1406	1719	1783
5	2	19	69.5	1998	1102	-
6	2	19	73.5	1119	1152	-
7	2	19	77.6	1822	1140	-
8	1	19	60.1	1380	-	-
9	2	19	75	1066	1630	-
10	2	19	67.5	1848	1699	-
11	1	19	57.2	1056	-	-
12	3	19	87.8	1432	1656	1385
13	1	19	55.1	1425	-	-
14	3	19	98.8	1424	1182	1545
15	1	19	55.7	1892	-	-
16	1	19	63.9	1951	-	-
17	1	19	61.7	1076	-	-
18	2	19	67.4	1078	1927	-
19	2	19	70.5	1071	1489	-
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	64.2	1789	-	-
2	3	10	98	1946	1691	1034
3	1	10	50.5	1738	-	-
4	3	10	96	1622	1300	1722
5	2	10	77.6	1667	1883	-
6	2	10	78.6	1017	1237	-
7	1	10	60	1148	-	-
8	1	10	58.3	1603	-	-
9	3	10	96.4	1287	1417	1498
10	2	10	68.3	1790	1922	-
11	1	10	59.5	1829	-	-
12	1	10	63.8	1435	-	-
13						
14						
15						
16						
17						
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	20	92.7	1932	1124	1726
2	1	20	55.3	1894	-	-
3	2	20	75.9	1302	1732	-
4	3	20	97.4	1763	1705	1777
5	2	20	67.1	1210	1269	-
6	3	20	91.6	1218	1604	1942
7	2	20	77.4	1161	1715	-
8	3	20	84.4	1880	1838	1126
9	3	20	90.7	1714	1181	1647
10	1	20	55.1	1793	-	-
11	3	20	86	1799	1141	1682
12	1	20	55.7	1761	-	-
13	1	20	64	1213	-	-
14	2	20	71.9	1511	1912	-
15	1	20	66	1012	-	-
16	3	20	83.8	1730	2000	1992
17	1	20	57.2	1157	-	-
18	2	20	71.9	1431	1242	-
19	1	20	57	1298	-	-
20	3	20	88.7	1191	1587	1801

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_09

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	14	68.6	1523	1815	-
2	2	14	79.4	1558	1810	-
3	3	14	89.6	1629	1207	1599
4	2	14	70.2	1665	1798	-
5	3	14	90.4	1247	1186	1316
6	1	14	56.8	1433	-	-
7	1	14	65.7	1390	-	-
8	1	14	65.9	1230	-	-
9	1	14	59.4	1459	-	-
10	1	14	65.1	1694	-	-
11	2	14	81.2	1930	1327	-
12	3	14	91.8	1416	1978	1660
13	1	14	65.5	1886	-	-
14	1	14	53.6	1313	-	-
15	1	14	64.5	1245	-	-
16						
17						
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_10

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	82.5	1529	1581	-
2	2	5	79.3	1377	1615	-
3	1	5	51.4	1264	-	-
4	3	5	88.7	1165	1957	1500
5	2	5	72.4	1469	1483	-
6	3	5	84.4	1537	1661	1118
7	2	5	83	1531	1824	-
8	2	5	79.9	1064	1374	-
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_11

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	17	59.1	1173	-	-
2	1	17	62	1808	-	-
3	3	17	94.8	1519	1294	1412
4	2	17	82	1028	1794	-
5	1	17	55.7	1318	-	-
6	1	17	62.5	1757	-	-
7	2	17	76.3	1846	1180	-
8	1	17	51.1	1252	-	-
9	2	17	74.4	1960	1551	-
10	1	17	61.3	1442	-	-
11	2	17	70.8	1423	1465	-
12	3	17	95.3	1460	1676	1384
13	1	17	63.2	1289	-	-
14	1	17	65.8	1226	-	-
15	1	17	55.6	1504	-	-
16	1	17	56.9	1916	-	-
17	1	17	60.3	1400	-	-
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_12

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	18	75.9	1762	1769	-
2	1	18	61.4	1070	-	-
3	2	18	74.9	1026	1759	-
4	2	18	75.5	1562	1929	-
5	2	18	74	1422	1639	-
6	3	18	94.2	1565	1042	1468
7	3	18	90.2	1700	1366	1405
8	1	18	60.3	1194	-	-
9	1	18	57.3	1087	-	-
10	3	18	83.6	1129	1899	1092
11	1	18	54.4	1975	-	-
12	1	18	55.8	1196	-	-
13	2	18	83.3	1547	1550	-
14	3	18	84.7	1463	1774	1492
15	1	18	54.2	1734	-	-
16	3	18	85.6	1669	1045	1919
17	3	18	99.5	1156	1533	1888
18	2	18	80.4	1821	1806	-
19	1	18	58.2	1397	-	-
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_13

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	6	95.6	1623	1206	1662
2	2	6	74.8	1610	1284	-
3	1	6	60	1943	-	-
4	1	6	53.3	1234	-	-
5	2	6	83.2	1589	1986	-
6	1	6	64	1877	-	-
7	1	6	56.7	1342	-	-
8	2	6	80.5	1099	1703	-
9						
10						
11						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_14

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	94.8	1530	1219	1952
2	1	11	58.3	1613	-	-
3	1	11	51.3	1038	-	-
4	1	11	66.6	1809	-	-
5	2	11	73.6	1701	1059	-
6	3	11	94.5	1645	1999	1568
7	2	11	78.3	1135	1160	-
8	3	11	96.6	1813	1950	1063
9	2	11	73	1401	1585	-
10	1	11	58	1039	-	-
11	1	11	54.3	1853	-	-
12	3	11	85.2	1037	1444	1855
13	2	11	67.9	1532	1304	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	15	54.6	1608	-	-
2	2	15	71.7	1189	1478	-
3	3	15	98.4	1370	1681	1471
4	2	15	78.9	1260	1753	-
5	2	15	71.8	1050	1476	-
6	3	15	95.3	1620	1058	1399
7	3	15	91.2	1369	1605	1577
8	2	15	76.6	1346	1236	-
9	1	15	66.5	1837	-	-
10	1	15	59.7	1805	-	-
11	1	15	63.7	1089	-	-
12	3	15	85.5	1270	1188	1085
13	3	15	97.5	1267	1312	1481
14	1	15	61.3	1091	-	-
15	3	15	85.5	1965	1046	1588
16	1	15	65.8	1967	-	-
17						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	7	58	1859	-	-
2	3	7	91.8	1274	1211	1088
3	1	7	61.5	1745	-	-
4	2	7	67.2	1079	1731	-
5	1	7	63.6	1222	-	-
6	3	7	95.5	1514	1833	1445
7	1	7	51.9	1727	-	-
8	1	7	56	1307	-	-
9	2	7	67	1878	1573	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_17

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	80.8	1272	1371	-
2	1	16	61.3	1609	-	-
3	1	16	54.9	1410	-	-
4	3	16	88.2	1007	1928	1616
5	2	16	81.3	1437	1796	-
6	2	16	77.6	1517	1303	-
7	3	16	95.2	1953	1275	1001
8	3	16	95.3	1137	1204	1067
9	3	16	90.3	1073	1834	1051
10	3	16	91	1345	1652	1261
11	1	16	53.1	1032	-	-
12	1	16	61.6	1097	-	-
13	2	16	74.4	1666	1792	-
14	1	16	61.4	1828	-	-
15	2	16	68.7	1317	1276	-
16	1	16	65.6	1708	-	-
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_18

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	5	53.9	1153	-	-
2	2	5	78.2	1776	1543	-
3	3	5	98.7	1324	1906	1840
4	3	5	87.6	1229	1689	1786
5	2	5	81.2	1353	1381	-
6	2	5	76.2	1288	1931	-
7	2	5	83.2	1403	1770	-
8	3	5	92.9	1897	1090	1900
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	8	80.7	1602	1103	-
2	1	8	64.9	1065	-	-
3	1	8	66.3	1190	-	-
4	3	8	92.9	1987	1548	1479
5	2	8	67.9	1839	1053	-
6	1	8	54.3	1277	-	-
7	1	8	59.1	1015	-	-
8	2	8	69.7	1200	1414	-
9	3	8	92.4	1043	1176	1093
10	1	8	61.9	1351	-	-
11	3	8	91	1485	1458	1265
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_20

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	84	1123	1357	1636
2	3	12	86.2	1482	1997	1831
3	3	12	88.5	1291	1934	1847
4	3	12	85.3	1688	1438	1981
5	2	12	82.1	1653	1199	-
6	2	12	68.6	1082	1958	-
7	3	12	90.2	1638	1825	1898
8	1	12	57.1	1650	-	-
9	2	12	70.3	1982	1154	-
10	2	12	82.3	1419	1467	-
11	1	12	54.2	1113	-	-
12	3	12	83.6	1221	1772	1556
13	2	12	80.4	1539	1224	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_21

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	14	92.9	1395	1974	1862
2	1	14	51.6	1464	-	-
3	1	14	59.7	1223	-	-
4	2	14	67.2	1145	1913	-
5	1	14	53.2	1096	-	-
6	2	14	68.4	1084	1487	-
7	3	14	85.9	1672	1455	1971
8	1	14	54.6	1970	-	-
9	2	14	78.2	1572	1315	-
10	1	14	62.1	1903	-	-
11	1	14	57.4	1359	-	-
12	1	14	66.3	1679	-	-
13	1	14	61.2	1524	-	-
14	1	14	52.3	1873	-	-
15	2	14	77.3	1996	1238	-
16						
17						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_22

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	5	86	1812	1256	1143
2	2	5	81.8	1004	1696	-
3	3	5	83.5	1593	1816	1768
4	2	5	69.3	1686	1860	-
5	1	5	62.5	1138	-	-
6	2	5	70.4	1651	1905	-
7	3	5	84.7	1225	1775	1677
8	2	5	79.5	1728	1634	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	65.4	1584	-	-
2	3	13	93	1411	1979	1081
3	1	13	66.5	1003	-	-
4	2	13	68.9	1782	1120	-
5	3	13	91	1695	1214	1712
6	2	13	69	1781	1915	-
7	1	13	62.8	1146	-	-
8	1	13	60.5	1704	-	-
9	2	13	76.5	1520	1889	-
10	2	13	81.4	1499	1940	-
11	3	13	85.9	1171	1687	1350
12	3	13	100	1863	1454	1227
13	1	13	66.3	1542	-	-
14	3	13	94.6	1344	1961	1379
15	3	13	92	1627	1819	1544
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	66.4	1268	-	-
2	2	10	73.9	1029	1601	-
3	2	10	76.1	1052	1155	-
4	3	10	86.4	1879	1074	1619
5	1	10	55.7	1841	-	-
6	2	10	74	1452	1451	-
7	2	10	81	1546	1959	-
8	2	10	68.9	1243	1220	-
9	2	10	70.9	1195	1969	-
10	1	10	66.3	1429	-	-
11	1	10	62.9	1033	-	-
12	2	10	71.2	1440	1648	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_25

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	17	88.5	1598	1334	1525
2	3	17	98.9	1100	1570	1735
3	3	17	84.9	1215	1495	1107
4	2	17	71	1011	1571	-
5	1	17	59.9	1966	-	-
6	1	17	58.1	1614	-	-
7	2	17	72.1	1326	1980	-
8	3	17	94.3	1418	1266	1094
9	2	17	74.3	1331	1887	-
10	3	17	86.7	1491	1163	1618
11	3	17	99.6	1673	1273	2000
12	3	17	95	1178	1836	1663
13	3	17	85.6	1989	1526	1538
14	1	17	65.4	1693	-	-
15	1	17	51.5	1811	-	-
16	2	17	81	1893	1020	-
17	3	17	84.9	1881	1902	1077
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_26

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	75.3	1443	1954	-
2	1	5	52.3	1948	-	-
3	1	5	60.9	1061	-	-
4	3	5	91.4	1937	1144	1626
5	3	5	89.9	1006	1655	1787
6	2	5	67	1904	1320	-
7	3	5	95.4	1864	1579	1742
8	3	5	86.5	1201	1340	1098
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_27

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	20	84.1	1968	1208	1649
2	2	20	79	1607	1597	-
3	1	20	55.4	1299	-	-
4	3	20	84.5	1617	1624	1567
5	2	20	74	1147	1678	-
6	3	20	95.7	1684	1910	1133
7	1	20	52.6	1857	-	-
8	2	20	78	1112	1534	-
9	3	20	97.9	1388	1183	1872
10	2	20	74.3	1723	1462	-
11	1	20	61.7	1364	-	-
12	3	20	91.6	1212	1505	1009
13	1	20	60.3	1027	-	-
14	2	20	76	1434	1632	-
15	3	20	91.8	1590	1582	1000
16	3	20	94.2	1072	1964	1823
17	1	20	50.3	1047	-	-
18	2	20	67.6	1658	1925	-
19	2	20	79.8	1865	1323	-
20	2	20	74.3	1280	1891	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_28

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	81.1	1850	1321	-
2	1	16	50.7	1477	-	-
3	3	16	90.4	1935	1408	1426
4	2	16	72.5	1674	1005	-
5	3	16	100	1641	1814	1991
6	3	16	84	1586	1746	1394
7	3	16	95.6	1110	1717	1339
8	1	16	63.9	1583	-	-
9	1	16	51.9	1278	-	-
10	2	16	79.8	1555	1013	-
11	3	16	98.7	1348	1709	1985
12	2	16	81.9	1592	1518	-
13	3	16	89.5	1933	1168	1356
14	3	16	84.6	1995	1820	1069
15	2	16	75.9	1713	1095	-
16	2	16	79.2	1767	1697	-
17	2	16	66.7	1736	1111	-
18						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	59.7	1739	-	-
2	1	10	50.2	1164	-	-
3	3	10	91	1306	1086	1337
4	3	10	97	1375	1436	1240
5	2	10	66.9	1010	1795	-
6	3	10	87.8	1553	1159	1702
7	3	10	91.1	1874	1127	1642
8	3	10	89.8	1136	1075	1521
9	3	10	89.5	1341	1895	1293
10	2	10	74.6	1041	1515	-
11	3	10	99.4	1508	1907	1779
12	1	10	60.5	1765	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_30

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	20	66.7	1827	1233	-
2	3	20	91.1	1151	1202	1282
3	2	20	72.3	1198	1197	-
4	3	20	87.3	1389	1817	1166
5	2	20	71	1843	1540	-
6	1	20	55.3	1314	-	-
7	2	20	83.3	1474	1361	-
8	3	20	88.6	1744	1818	1295
9	2	20	83	1994	1513	-
10	3	20	84.6	1807	1956	1921
11	3	20	90	1866	1409	1945
12	1	20	50.1	1668	-	-
13	3	20	88.7	1365	1235	1441
14	2	20	76	1512	1909	-
15	2	20	68	1560	1150	-
16	2	20	75.7	1721	1858	-
17	2	20	79.9	1373	1591	-
18	1	20	52	1497	-	-
19	2	20	75.8	1035	1386	-
20	1	20	50	1014	-	-

BW40

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_01 Number of Bursts in Trial: 11						
Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	63.2	1251	-	-
2	3	12	93	1099	1203	1528
3	2	12	77.2	1842	1132	-
4	3	12	84.1	1139	1584	1206
5	1	12	52	1514	-	-
6	2	12	76.6	1696	1078	-
7	2	12	83	1188	1467	-
8	2	12	74.1	1282	1923	-
9	3	12	97.4	1521	1847	1791
10	1	12	56.1	1558	-	-
11	3	12	98.7	1315	1204	1306
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_02

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	60.2	1801	-	-
2	1	6	56.5	1403	-	-
3	3	6	97.8	1719	1959	1990
4	3	6	89.1	1916	1920	1723
5	1	6	50.9	1175	-	-
6	3	6	97.6	1053	1186	1250
7	3	6	93.8	1138	1234	1548
8	1	6	66.3	1699	-	-
9	2	6	80.4	1405	1177	-
10	1	6	50.2	1575	-	-
11	3	6	86.8	1319	1339	1393
12	1	6	52.4	1085	-	-
13	2	6	70.8	1861	1355	-
14	1	6	52.6	1999	-	-
15	3	6	98.2	1742	1522	1609
16	2	6	78.4	1300	1573	-
17	2	6	77.9	1899	1729	-
18	1	6	58.8	1692	-	-
19	2	6	70.5	1668	1182	-
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_03

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	52.3	1596	-	-
2	3	6	88.8	1292	1975	1156
3	3	6	97.5	1388	1281	1285
4	2	6	79.5	1036	1287	-
5	1	6	51.1	1299	-	-
6	3	6	90.2	1345	1623	1163
7	3	6	95.6	1280	1240	1715
8	3	6	86.9	1010	1887	1098
9	2	6	72.7	1066	1561	-
10	2	6	79.2	1174	1983	-
11	3	6	96.5	1655	1446	1932
12	2	6	69.2	1241	1507	-
13	3	6	92.6	1858	1284	1006
14	3	6	99.5	1811	1981	1346
15	2	6	78	1183	1258	-
16						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_04

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	15	96.5	1057	1829	1321
2	2	15	75.1	1700	1650	-
3	3	15	91.7	1152	1273	1367
4	2	15	74.6	1912	1014	-
5	2	15	69.7	1935	1783	-
6	1	15	59.9	1084	-	-
7	2	15	76.8	1733	1675	-
8	1	15	53.1	1245	-	-
9	2	15	68.9	1756	1195	-
10	1	15	50	1142	-	-
11	2	15	76.4	1608	1048	-
12	3	15	90.6	1782	1443	1061
13	1	15	56.3	1870	-	-
14	2	15	81.4	1354	1395	-
15	1	15	53.9	1480	-	-
16	3	15	98.2	1896	1785	1005
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_05

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	16	55	1081	-	-
2	1	16	65.3	1524	-	-
3	2	16	76.9	1929	1493	-
4	1	16	53.8	1476	-	-
5	1	16	59.9	1333	-	-
6	1	16	62.8	1749	-	-
7	2	16	77.1	1119	1565	-
8	3	16	96.7	1331	1746	1176
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	99	1503	1924	1407
2	1	18	55.4	1682	-	-
3	1	18	60.7	1063	-	-
4	2	18	71.1	1917	1474	-
5	3	18	87.1	1344	1541	1257
6	3	18	83.9	1589	1537	1598
7	2	18	81.1	1880	1889	-
8	3	18	94.3	1269	1231	1930
9	1	18	52.9	1955	-	-
10	3	18	92.8	1815	1856	1199
11	1	18	56.1	1914	-	-
12	2	18	73	1253	1448	-
13	3	18	86.8	1276	1043	1972
14	1	18	53.3	1289	-	-
15						
16						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	89.2	1520	1813	1948
2	1	10	60.5	1326	-	-
3	2	10	75.6	1427	1795	-
4	3	10	85.7	1356	1944	1166
5	2	10	78.5	1050	1838	-
6	2	10	79.5	1205	1219	-
7	2	10	74.7	1404	1931	-
8	3	10	99.6	1515	1248	1803
9	3	10	89.2	1109	1167	1107
10	1	10	55.4	1442	-	-
11	2	10	68.7	1429	1894	-
12	2	10	81	1684	1374	-
13	3	10	91.5	1252	1992	1029
14	1	10	53.8	1591	-	-
15	1	10	65.7	1525	-	-
16	3	10	95.7	1892	1128	1239
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	68.1	1789	1765	-
2	3	16	83.7	1271	1288	1233
3	3	16	98.1	1421	1034	1044
4	3	16	95.1	1114	1657	1027
5	2	16	75.7	1263	1090	-
6	1	16	64.2	1901	-	-
7	3	16	99.3	1327	1320	1606
8	1	16	55.6	1074	-	-
9	1	16	66	1527	-	-
10	3	16	85	1621	1464	1482
11	2	16	68.9	1970	1883	-
12	2	16	82.1	1351	1469	-
13	3	16	87.7	1841	1640	1009
14	1	16	63.5	1599	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_09

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	11	75.3	1881	1127	-
2	2	11	81	1274	1648	-
3	1	11	61.4	1077	-	-
4	1	11	51.7	1570	-	-
5	2	11	76.2	1478	1019	-
6	1	11	66.3	1501	-	-
7	2	11	78.2	1626	1818	-
8	2	11	74.3	1123	1201	-
9	3	11	84.3	1165	1144	1809
10	3	11	97.6	1335	1753	1453
11	2	11	71.9	1153	1939	-
12	3	11	99.4	1900	1069	1389
13	1	11	66.2	1516	-	-
14	1	11	55.2	1502	-	-
15	1	11	52.4	1745	-	-
16	1	11	56	1193	-	-
17	3	11	92.5	1585	1534	1304
18	2	11	77.3	1747	1730	-
19	2	11	78.6	1015	1202	-
20	1	11	57.2	1382	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_10

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	13	74.7	1508	1788	-
2	2	13	72.4	1718	1439	-
3	2	13	74.9	1097	1455	-
4	3	13	91.8	1602	1799	1376
5	2	13	77.7	1823	1748	-
6	2	13	74.9	1922	1672	-
7	1	13	61.3	1903	-	-
8	2	13	69.9	1089	1772	-
9	2	13	69.6	1008	1134	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_11

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	16	93.6	1370	1793	1594
2	1	16	60.5	1093	-	-
3	3	16	92.6	1607	1991	1504
4	1	16	61.9	1773	-	-
5	2	16	75.7	1659	1151	-
6	2	16	80.1	1353	1419	-
7	3	16	87.8	1001	1291	1396
8	2	16	69.6	1651	1819	-
9	3	16	89.7	1764	1338	1254
10	2	16	77.7	1634	1641	-
11	3	16	99.4	1064	1432	1627
12	2	16	67.4	1418	1874	-
13	3	16	93.9	1178	1519	1909
14	3	16	99.5	1362	1192	1977
15	1	16	50.4	1771	-	-
16	2	16	73.1	1848	1550	-
17	2	16	76.3	1888	1787	-
18	3	16	98.1	1740	1721	1638
19	3	16	94	1832	1593	1461
20	1	16	53.2	1218	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_12

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	11	59.9	1968	-	-
2	3	11	92.6	1072	1399	1032
3	3	11	91.7	1988	1458	1428
4	1	11	53.5	1686	-	-
5	2	11	80.4	1490	1347	-
6	3	11	88.9	1459	1698	1083
7	1	11	52.9	1485	-	-
8	1	11	56	1039	-	-
9	2	11	69.7	1549	1755	-
10	2	11	74	1279	1140	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_13

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	51.3	1489	-	-
2	1	10	54.9	1149	-	-
3	1	10	58.3	1605	-	-
4	1	10	54.6	1316	-	-
5	3	10	90.8	1154	1226	1247
6	3	10	87	1578	1643	1375
7	2	10	79.3	1677	1041	-
8	3	10	87.4	1631	1586	1323
9	3	10	90.6	1361	1466	1411
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_14

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	19	75.2	1744	1145	-
2	1	19	64.6	1971	-	-
3	3	19	86.5	1532	1301	1031
4	1	19	52.7	1028	-	-
5	3	19	99.7	1040	1486	1451
6	2	19	79.2	1488	1702	-
7	3	19	89.9	1553	1984	1492
8	2	19	80.8	1869	1511	-
9	2	19	73	1437	1030	-
10	2	19	74.5	1208	1734	-
11	2	19	68.6	1400	1013	-
12	1	19	51.3	1816	-	-
13	2	19	76.8	1087	1674	-
14	2	19	67.4	1845	1665	-
15	1	19	66.6	1844	-	-
16	1	19	59.7	1135	-	-
17	1	19	51	1088	-	-
18	2	19	68.9	1661	1024	-
19	3	19	89.1	1497	1915	1170
20	2	19	81.6	1921	1877	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	86.8	1854	1969	1825
2	2	18	77.1	1895	1473	-
3	2	18	81.8	1905	1615	-
4	3	18	99.9	1401	1025	1979
5	1	18	65.7	1652	-	-
6	2	18	76.3	1572	1408	-
7	3	18	94.5	1543	1430	1465
8	1	18	59.1	1802	-	-
9	3	18	89.3	1710	1212	1950
10	1	18	58.6	1897	-	-
11	1	18	63.5	1735	-	-
12	3	18	93.9	1129	1168	1383
13	3	18	89	1775	1689	1708
14	1	18	57.5	1047	-	-
15	2	18	68.7	1853	1904	-
16	3	18	88.7	1539	1761	1120
17	2	18	73.4	1259	1445	-
18	3	18	89.8	1058	1484	1189
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	7	92.1	1774	1390	1720
2	2	7	74.3	1852	1910	-
3	3	7	90.5	1094	1663	1191
4	1	7	58	1704	-	-
5	2	7	79.9	1592	1409	-
6	2	7	81.5	1566	1051	-
7	1	7	51.1	1691	-	-
8	2	7	72.7	1833	1583	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_17

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	74.5	1544	1805	-
2	3	12	87.5	1460	1664	1807
3	3	12	91.7	1886	1249	1849
4	3	12	94.9	1884	1717	1431
5	3	12	89.7	1000	1283	1213
6	2	12	68.1	1601	1349	-
7	3	12	90.3	1666	1369	1328
8	1	12	55.8	1878	-	-
9	1	12	53.7	1512	-	-
10	3	12	98.1	1161	1875	1580
11	2	12	82.9	1555	1111	-
12	3	12	86.6	1311	1637	1307
13	3	12	87.1	1857	1963	1947
14	2	12	73.3	1122	1873	-
15	3	12	84.8	1998	1743	1941
16	2	12	80.7	1831	1557	-
17	3	12	91.6	1420	1738	1470
18	1	12	64.3	1225	-	-
19	1	12	60.9	1309	-	-
20	2	12	74.8	1197	1617	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_18

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	9	62.4	1636	-	-
2	2	9	69.3	1002	1054	-
3	3	9	98.7	1360	1974	1441
4	2	9	78	1851	1244	-
5	3	9	86.3	1918	1310	1406
6	1	9	61.2	1426	-	-
7	2	9	76.8	1386	1997	-
8	1	9	64.8	1436	-	-
9	3	9	91.1	1928	1938	1576
10	2	9	78.8	1007	1817	-
11	3	9	97.3	1447	1117	1313
12	1	9	50.2	1982	-	-
13	3	9	98.8	1101	1517	1976
14	3	9	93	1255	1112	1468
15	1	9	51.7	1936	-	-
16	1	9	56.9	1554	-	-
17	2	9	67.5	1456	1925	-
18	3	9	94.4	1866	1758	1978
19	2	9	69	1371	1732	-
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	95.4	1483	1113	1568
2	1	19	53.6	1713	-	-
3	2	19	83.2	1200	1387	-
4	1	19	53.8	1148	-	-
5	2	19	70.6	1270	1146	-
6	1	19	55.7	1373	-	-
7	3	19	86.9	1864	1037	1217
8	1	19	52.7	1125	-	-
9	2	19	68.8	1612	1810	-
10	3	19	89.6	2000	1415	1141
11	1	19	59.7	1973	-	-
12	1	19	66.4	1422	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_20

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	16	65.6	1479	-	-
2	2	16	70.6	1075	1317	-
3	2	16	76.3	1949	1961	-
4	1	16	60.2	1653	-	-
5	1	16	55.2	1359	-	-
6	3	16	88.8	1110	1158	1076
7	1	16	63.6	1046	-	-
8	1	16	58.5	1229	-	-
9	2	16	78.5	1391	1590	-
10	3	16	91.3	1126	1108	1872
11	2	16	75.5	1697	1893	-
12	1	16	64.7	1221	-	-
13	2	16	74.9	1444	1911	-
14	1	16	50.8	1506	-	-
15	2	16	82.6	1582	1185	-
16						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_21

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	87.9	1834	1951	1104
2	3	18	94.1	1762	1716	1410
3	2	18	71.5	1294	1750	-
4	2	18	77.8	1706	1337	-
5	1	18	63.2	1784	-	-
6	3	18	97.2	1552	1564	1216
7	3	18	95.4	1402	1336	1017
8	1	18	65.6	1068	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_22

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	6	71.2	1358	1100	-
2	2	6	79.3	1224	1475	-
3	1	6	65.5	1681	-	-
4	2	6	78.1	1827	1322	-
5	2	6	72.2	1164	1821	-
6	3	6	99.5	1115	1752	1800
7	1	6	58.5	1806	-	-
8	1	6	58	1065	-	-
9	2	6	75.2	1846	1246	-
10	2	6	81.3	1171	1956	-
11	1	6	62.3	1646	-	-
12	2	6	81.6	1342	1628	-
13	2	6	79.7	1020	1937	-
14	2	6	72.4	1797	1669	-
15	2	6	82.8	1341	1116	-
16	3	6	96.6	1049	1890	1533
17	2	6	68.1	1481	1070	-
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	53.8	1709	-	-
2	3	6	85.9	1768	1645	1563
3	3	6	90.5	1676	1055	1597
4	1	6	54.1	1425	-	-
5	2	6	78.2	1348	1952	-
6	2	6	68.4	1169	1760	-
7	2	6	78.9	1776	1620	-
8	2	6	69.8	1662	1381	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	15	73.2	1690	1966	-
2	3	15	99.1	1707	1220	1763
3	1	15	58.6	1647	-	-
4	3	15	97.3	1926	1499	1529
5	1	15	61.7	1434	-	-
6	3	15	96.6	1727	1600	1804
7	2	15	69.2	1042	1023	-
8	2	15	70.3	1898	1701	-
9	1	15	54.9	1256	-	-
10	1	15	55.1	1986	-	-
11	2	15	81	1736	1477	-
12	3	15	89.8	1372	1724	1571
13	1	15	60.7	1958	-	-
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15						
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17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_25

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	91.4	1673	1060	1196
2	1	12	59.1	1639	-	-
3	2	12	70	1303	1822	-
4	2	12	83.2	1778	1215	-
5	1	12	50.2	1433	-	-
6	3	12	83.4	1695	1106	1885
7	1	12	62.5	1946	-	-
8	2	12	69.3	1622	1731	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_26

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	9	52.9	1509	-	-
2	1	9	65.4	1714	-	-
3	1	9	61.3	1907	-	-
4	2	9	75	1136	1618	-
5	1	9	59.7	1919	-	-
6	1	9	59.4	1942	-	-
7	1	9	61.3	1850	-	-
8	1	9	54.8	1859	-	-
9	1	9	61.4	1624	-	-
10	3	9	93.1	1162	1649	1368
11	1	9	60.8	1312	-	-
12	3	9	86.6	1180	1828	1397
13	1	9	58.2	1860	-	-
14	3	9	99.1	1394	1275	1722
15	1	9	50.4	1423	-	-
16	3	9	99.9	1227	1343	1867
17	1	9	60.8	1879	-	-
18	1	9	63.5	1003	-	-
19	3	9	84.8	1613	1703	1685
20	3	9	93.2	1222	1194	1567

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_27

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	17	61.3	1190	-	-
2	2	17	74.7	1633	1062	-
3	2	17	67.3	1022	1147	-
4	1	17	51.7	1352	-	-
5	1	17	56.7	1413	-	-
6	1	17	57.3	1642	-	-
7	1	17	62.4	1658	-	-
8	2	17	76.7	1902	1121	-
9	2	17	70.5	1546	1513	-
10	2	17	70.9	1644	1505	-
11	2	17	77.9	1518	1004	-
12	3	17	85.1	1155	2000	1330
13	1	17	66.3	1876	-	-
14	1	17	50.5	1018	-	-
15	2	17	70.2	1814	1035	-
16						
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_28

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	83.6	1207	1133	1542
2	3	18	97.4	1540	1026	1906
3	2	18	72.2	1688	1933	-
4	1	18	52	1610	-	-
5	3	18	87.1	1863	1210	1236
6	1	18	57.9	1272	-	-
7	1	18	65.4	1577	-	-
8	3	18	93.6	1214	1412	1835
9	1	18	62.1	1463	-	-
10	2	18	70.1	1705	1989	-
11	1	18	53.1	1262	-	-
12	1	18	52.5	1318	-	-
13	3	18	92.4	1340	1364	1780
14	1	18	58.6	1293	-	-
15	2	18	70.2	1332	1993	-
16						
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	10	72.4	1495	1679	-
2	3	10	86.8	1296	1683	1836
3	3	10	98.7	1667	1767	1305
4	2	10	69.4	1855	1611	-
5	1	10	57.9	1157	-	-
6	2	10	78.2	1927	1759	-
7	3	10	98.1	1105	1995	1547
8	1	10	59.5	1726	-	-
9	2	10	68.3	1741	1325	-
10	1	10	52.3	1500	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_30

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	6	97	1181	1440	1980
2	3	6	84.6	1562	1184	1779
3	3	6	84.4	1452	1350	1868
4	3	6	90.5	1678	1228	1223
5	1	6	65.1	1943	-	-
6	2	6	75.8	1130	1498	-
7	2	6	70.2	1994	1712	-
8	1	6	57.7	1960	-	-
9	2	6	78.8	1953	1379	-
10	2	6	66.8	1131	1366	-
11	1	6	52.5	1560	-	-
12	3	6	88.7	1278	1957	1934
13	1	6	61.4	1016	-	-
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BW80

A.1 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 (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	15	58.7	1765	-	-
2	3	15	84.3	1452	1398	1571
3	3	15	87.4	1358	1377	1111
4	3	15	91.4	1554	1036	1662
5	1	15	61.8	1828	-	-
6	1	15	51.8	1621	-	-
7	3	15	93.4	1063	1317	1923
8	2	15	73.8	1804	1156	-
9	2	15	72.6	1935	1079	-
10	2	15	82.5	1049	1478	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_02

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	11	51.3	1713	-	-
2	1	11	54	1485	-	-
3	2	11	69.1	1043	1750	-
4	3	11	93.8	1665	1844	1155
5	3	11	99.1	1505	1825	1538
6	2	11	76	1866	1508	-
7	1	11	63.5	1889	-	-
8	2	11	69.8	1024	1578	-
9	1	11	60.9	1067	-	-
10	1	11	52.9	1162	-	-
11	2	11	73.7	1211	1581	-
12	3	11	87.8	1516	1753	1473
13	2	11	68.6	1029	1730	-
14	1	11	50.9	1930	-	-
15	2	11	83	1675	1303	-
16	2	11	69.5	1296	1410	-
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_03

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	56.4	1603	-	-
2	1	12	53.9	1545	-	-
3	1	12	53.5	1943	-	-
4	1	12	59.4	1206	-	-
5	2	12	78.5	1305	1969	-
6	3	12	86.1	1355	1823	1948
7	2	12	67	1788	1958	-
8	2	12	74.5	1213	1124	-
9	2	12	81.3	1215	1366	-
10	2	12	81.5	1429	1293	-
11	2	12	79.9	1345	1990	-
12	1	12	50.5	1996	-	-
13	3	12	88.4	1871	1121	1723
14	1	12	65.7	1964	-	-
15	3	12	93	1962	1265	1267
16	1	12	63.6	1020	-	-
17	2	12	78.1	1737	1422	-
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_04

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	10	76.8	1105	1462	-
2	2	10	72.6	1668	1188	-
3	2	10	70.4	1321	1820	-
4	1	10	57	1683	-	-
5	3	10	88.6	1721	1611	1967
6	1	10	55	1594	-	-
7	3	10	93.3	1624	1678	1625
8	3	10	86.7	1720	1540	1349
9	3	10	86.7	1816	1617	1754
10	1	10	57.7	1382	-	-
11	2	10	78.1	1561	1416	-
12	1	10	59.9	1734	-	-
13	2	10	71	1677	1220	-
14	1	10	65.7	1497	-	-
15	3	10	86.4	1957	1088	1054
16	1	10	58.3	1104	-	-
17	3	10	92.3	1589	1800	1189
18	3	10	95.4	1147	1801	1748
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_05

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	89.4	1574	1736	1023
2	2	18	70.2	1655	1500	-
3	1	18	63.2	1445	-	-
4	1	18	53.9	1098	-	-
5	1	18	65.2	1918	-	-
6	3	18	87.1	1453	1658	1236
7	3	18	94.6	1896	1154	1456
8	1	18	62.4	1646	-	-
9	2	18	67.6	1600	1439	-
10	3	18	96.2	1629	1909	1879
11	1	18	62.9	1793	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	14	81.4	1413	1565	-
2	3	14	95.3	1774	1131	1995
3	1	14	60	1160	-	-
4	1	14	60.1	1922	-	-
5	1	14	59.6	1069	-	-
6	3	14	91.8	1259	1810	1477
7	2	14	78.4	1763	1487	-
8	1	14	62.6	1122	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	17	62.4	1000	-	-
2	2	17	67.9	1925	1039	-
3	3	17	99	1890	1228	1326
4	1	17	60.3	1210	-	-
5	2	17	72.7	1688	1548	-
6	3	17	91.9	1988	1503	1201
7	2	17	78.3	1309	1198	-
8	3	17	88.9	1080	1399	1115
9	1	17	64.5	1087	-	-
10	1	17	60.3	1133	-	-
11	1	17	65.8	1579	-	-
12	3	17	93.5	1619	1682	1758
13	3	17	92.2	1533	1842	1979
14	3	17	96.2	1672	1744	1971
15	2	17	70.3	1414	1692	-
16	1	17	53.5	1706	-	-
17	3	17	93.4	1870	1242	1395
18	1	17	64.9	1438	-	-
19	2	17	72.9	1239	1817	-
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	57.3	1698	-	-
2	2	10	83.3	1700	1427	-
3	1	10	62.5	1952	-	-
4	2	10	76.1	1612	1397	-
5	3	10	87.5	1139	1901	1400
6	3	10	97.1	1352	1798	1636
7	2	10	73.8	1496	1536	-
8	1	10	55.2	1357	-	-
9	1	10	62.5	1811	-	-
10	2	10	68.1	1251	1843	-
11	3	10	99.9	1819	1057	1017
12	1	10	61.3	1342	-	-
13	2	10	73.9	1725	1872	-
14	1	10	58	1747	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_09

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	95.8	1465	1975	1904
2	2	12	79.9	1764	1174	-
3	2	12	77.4	1235	1584	-
4	3	12	90.4	1114	1974	1027
5	1	12	59.9	1126	-	-
6	3	12	90.5	1275	1985	1845
7	1	12	62	1062	-	-
8	3	12	87	1463	1587	1887
9	3	12	98.3	1586	1187	1651
10	2	12	80.1	1277	1881	-
11	1	12	52.1	1330	-	-
12	1	12	51.7	1333	-	-
13	1	12	52.7	1867	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_10

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	19	70.7	1934	1731	-
2	3	19	85.3	1179	1751	1711
3	2	19	75	1034	1261	-
4	1	19	56.4	1954	-	-
5	2	19	66.7	1243	1090	-
6	3	19	94.8	1224	1970	1214
7	2	19	68.8	1701	1280	-
8	2	19	71	1563	1537	-
9	2	19	79.4	1525	1389	-
10	3	19	100	1717	1498	1740
11	3	19	91.9	1295	1037	1829
12	1	19	61.5	1949	-	-
13	1	19	63.2	1596	-	-
14	3	19	99	1254	1919	1073
15	3	19	86.6	1606	1849	1202
16	1	19	65.8	1635	-	-
17						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_11

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	7	70.7	1897	1749	-
2	1	7	64.6	1965	-	-
3	3	7	99	1012	1045	1772
4	3	7	91.9	1583	1466	1549
5	3	7	85.5	1420	1780	1459
6	3	7	96.5	1530	1924	1835
7	1	7	66.2	1550	-	-
8	3	7	92.9	1929	1335	1883
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_12

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	15	63.1	1642	-	-
2	3	15	83.5	1005	1981	1250
3	2	15	74.5	1914	1474	-
4	1	15	60.9	1430	-	-
5	2	15	70.4	1680	1542	-
6	3	15	85.1	1048	1127	1393
7	2	15	82.4	1605	1282	-
8	2	15	74	1108	1691	-
9	3	15	85.7	1486	1976	1212
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_13

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	7	94.4	1385	1336	1376
2	1	7	53	1805	-	-
3	2	7	70	1248	1558	-
4	3	7	87.6	1403	1170	1315
5	1	7	61.7	1042	-	-
6	2	7	83.2	1100	1535	-
7	1	7	66.6	1038	-	-
8	1	7	55.1	1423	-	-
9	3	7	87	1789	1306	1643
10	1	7	66.4	1409	-	-
11	2	7	80	1319	1094	-
12	3	7	85.6	1891	1291	1529
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_14

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	20	78.9	1613	1263	-
2	3	20	96.7	1627	1432	1986
3	3	20	91.5	1472	1759	1784
4	2	20	75.4	1274	1795	-
5	2	20	71.1	1968	1444	-
6	2	20	77.5	1588	1441	-
7	1	20	65.4	1710	-	-
8	1	20	53.1	1419	-	-
9	1	20	59.9	1518	-	-
10	2	20	67.3	1195	1168	-
11	2	20	74.2	1386	1216	-
12	2	20	69	1557	1132	-
13	2	20	82.1	1987	1186	-
14	3	20	93.3	1365	1032	1728
15	2	20	83.3	1103	1568	-
16	2	20	70.3	1699	1281	-
17	1	20	57.9	1285	-	-
18	1	20	50.6	1850	-	-
19	3	20	94.3	1479	1218	1733
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	18	67.5	1434	1117	-
2	2	18	67.8	1567	1773	-
3	2	18	75.9	1846	1362	-
4	2	18	68.9	1237	1818	-
5	3	18	96	1339	1796	1852
6	1	18	66.6	1289	-	-
7	2	18	78.3	1862	1856	-
8	1	18	58.9	1412	-	-
9	2	18	81.5	1113	1591	-
10	2	18	82.4	1059	1861	-
11	3	18	86.8	1797	1163	1320
12	3	18	98.5	1268	1300	1868
13	2	18	80.1	1086	1482	-
14	3	18	86.3	1860	1407	1998
15	1	18	57.2	1241	-	-
16	3	18	84.3	1808	1873	1628
17	3	18	86.8	1258	1302	1978
18	2	18	83	1690	1378	-
19	3	18	85.6	1327	1956	1311
20	3	18	99.4	1112	1815	1262

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	19	57.5	1379	-	-
2	2	19	67	1551	1620	-
3	2	19	70.9	1939	1083	-
4	2	19	75.7	1332	1476	-
5	2	19	77.1	1840	1010	-
6	2	19	78.8	1371	1618	-
7	1	19	51	1494	-	-
8	1	19	55.4	1794	-	-
9	2	19	68.5	1590	1266	-
10	3	19	100	1484	1314	1428
11	3	19	96.4	1363	1361	1292
12	3	19	97.2	1694	1480	1446
13	3	19	86.4	1447	1227	1102
14	2	19	72.1	1184	1638	-
15						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_17

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	62.4	1329	-	-
2	2	13	67.8	1364	1937	-
3	1	13	53	1790	-	-
4	2	13	77.8	1546	1906	-
5	3	13	95.6	1145	1743	1499
6	1	13	58.8	1199	-	-
7	3	13	92.8	1424	1408	1381
8	2	13	68.5	1340	1972	-
9	3	13	84	1607	1663	1270
10	2	13	70.8	1468	1760	-
11	2	13	73.1	1869	1515	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_18

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	68.8	1504	1973	-
2	3	12	94.2	1920	1299	1467
3	2	12	82.7	1003	1351	-
4	2	12	74.8	1597	1457	-
5	1	12	58.9	1874	-	-
6	3	12	96.5	1838	1708	1328
7	3	12	87.3	1405	1271	1687
8	2	12	72.4	1200	1433	-
9	1	12	51.3	1475	-	-
10	3	12	86.8	1159	1652	1942
11	1	12	50.4	1056	-	-
12	3	12	97	1884	1876	1415
13	1	12	50.1	1519	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	15	91.9	1301	1337	1645
2	2	15	67.2	1983	1040	-
3	1	15	65.5	1671	-	-
4	2	15	72.8	1489	1016	-
5	3	15	90.5	1552	1180	1064
6	2	15	81.6	1807	1853	-
7	3	15	86	1312	1905	1278
8	3	15	89.6	1152	1068	1832
9	1	15	62.1	1119	-	-
10	1	15	58	1234	-	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_20

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	73.8	1071	1915	-
2	3	9	89.5	1294	1450	1025
3	2	9	81.2	1144	1146	-
4	1	9	59	1041	-	-
5	3	9	87.5	1096	1941	1018
6	2	9	76.7	1667	1947	-
7	1	9	56.5	1573	-	-
8	3	9	89	1033	1391	1304
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_21

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	83.1	1762	1058	-
2	1	5	50	1739	-	-
3	1	5	52.6	1055	-	-
4	1	5	58.2	1704	-	-
5	3	5	84.6	1226	1177	1886
6	2	5	68.3	1269	1851	-
7	2	5	80.6	1814	1074	-
8	1	5	59.5	1009	-	-
9	1	5	53.4	1417	-	-
10	1	5	59.1	1431	-	-
11	2	5	74.8	1002	1394	-
12	3	5	85	1670	1755	1158
13	3	5	85.3	1307	1560	1078
14	1	5	61.9	1197	-	-
15						
16						
17						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_22

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	18	70.8	1022	1015	-
2	1	18	52.9	1483	-	-
3	3	18	86	1524	1308	1287
4	2	18	78.4	1821	1406	-
5	3	18	93.3	1991	1966	1290
6	2	18	70	1858	1471	-
7	2	18	78.1	1507	1705	-
8	1	18	52.4	1060	-	-
9	3	18	84.8	1859	1839	1993
10	3	18	83.5	1150	1492	1443
11	1	18	56.7	1208	-	-
12	3	18	86.2	1674	1125	1053
13	1	18	58.8	1436	-	-
14	3	18	85.4	1686	1509	1577
15	2	18	77.7	1297	1298	-
16	3	18	87.4	1649	1894	1075
17	3	18	99.8	1185	1167	1616
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	7	95.7	1353	1813	1028
2	3	7	94.9	1735	1994	1084
3	3	7	97.9	1354	1792	1418
4	2	7	67.4	1348	1008	-
5	3	7	96.9	1916	1425	1283
6	3	7	97.6	1384	1050	1569
7	3	7	83.6	1231	1219	1194
8	2	7	82.6	1128	1346	-
9	3	7	97.2	1142	1769	1173
10	3	7	92.3	1181	1164	1458
11	2	7	80.9	1222	1756	-
12	2	7	78.1	1190	1999	-
13						
14						
15						
16						
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	18	76.9	1564	1767	-
2	1	18	64.7	1437	-	-
3	2	18	77.1	1046	1944	-
4	2	18	72.7	1440	1374	-
5	1	18	61.9	1035	-	-
6	2	18	68.6	1205	1892	-
7	2	18	78.3	1047	1273	-
8	2	18	73.1	1426	1863	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_25

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	9	59.1	1718	-	-
2	3	9	83.5	1070	1129	1318
3	3	9	86.5	1176	1253	1442
4	1	9	60.8	1209	-	-
5	2	9	80.7	2000	1360	-
6	1	9	65.2	1101	-	-
7	2	9	69.1	1511	1030	-
8	1	9	51.5	1161	-	-
9	3	9	98.5	1061	1951	1812
10	1	9	59.5	1325	-	-
11	3	9	95.3	1284	1650	1169
12	2	9	81.8	1460	1077	-
13	1	9	66	1149	-	-
14	1	9	59.3	1373	-	-
15	2	9	79.2	1836	1534	-
16	3	9	90.2	1455	1738	1490
17						
18						
19						
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_26

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	87.5	1343	1331	1313
2	3	11	94.6	1448	1543	1803
3	2	11	73.9	1722	1514	-
4	1	11	55.4	1506	-	-
5	1	11	52.3	1960	-	-
6	3	11	95.8	1240	1380	1252
7	3	11	96.1	1372	1411	1908
8	2	11	77.8	1885	1593	-
9	3	11	97.2	1021	1614	1633
10	2	11	74.3	1582	1097	-
11	1	11	57.9	1031	-	-
12	2	11	68.8	1927	1936	-
13	2	11	79.6	1857	1470	-
14						
15						
16						
17						
18						
19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_27

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	11	63.4	1595	-	-
2	3	11	97	1451	1660	1562
3	2	11	66.7	1116	1544	-
4	3	11	99.5	1553	1526	1768
5	1	11	64.3	1107	-	-
6	3	11	90.7	1992	1626	1899
7	1	11	62.1	1630	-	-
8	1	11	58.3	1676	-	-
9	3	11	87	1726	1696	1464
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_28

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	86.8	1673	1383	1653
2	2	11	81.7	1841	1911	-
3	2	11	78.4	1900	1229	-
4	2	11	82.1	1527	1072	-
5	3	11	84.1	1893	1742	1491
6	3	11	87.7	1247	1341	1955
7	3	11	97	1559	1685	1572
8	3	11	99.1	1641	1727	1848
9	1	11	62	1245	-	-
10						
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19						
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	15	67.5	1193	1182	-
2	3	15	85.6	1221	1741	1338
3	3	15	86.9	1580	1775	1809
4	3	15	85.3	1082	1854	1095
5	2	15	67.3	1898	1977	-
6	3	15	94.8	1791	1350	1230
7	2	15	72.9	1681	1323	-
8	2	15	70.7	1709	1123	-
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Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_30

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	7	63.3	1044	-	-
2	3	7	87.4	1945	1602	1203
3	1	7	58.7	1556	-	-
4	1	7	63.6	1598	-	-
5	1	7	56.3	1110	-	-
6	1	7	57.2	1878	-	-
7	1	7	50.3	1659	-	-
8	2	7	71.9	1143	1724	-
9	3	7	85.1	1404	1715	1449
10	1	7	62.5	1276	-	-
11						
12						
13						
14						
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BW160

A.1 The Long Pulse Radar Pattern

Long Pulse Radar Test Signal Test Signal Name: LP_Signal_01 Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	72.3	1755	1674	-
2	3	12	93.3	1628	1167	1284
3	3	12	98.4	1837	1798	1519
4	3	12	84.5	1613	1145	1805
5	3	12	95.2	1476	1854	1395
6	1	12	53.7	1358	-	-
7	1	12	63.2	1487	-	-
8	1	12	55.4	1756	-	-
9	1	12	61.2	1050	-	-
10	3	12	89	1609	1244	1978
11	1	12	61.4	1617	-	-
12	3	12	87.9	1036	1397	1221
13	3	12	84.5	1597	1420	1855
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_02

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	98.8	2000	1421	1218
2	1	18	63.9	1982	-	-
3	3	18	92.9	1852	1405	1622
4	2	18	73.9	1102	1012	-
5	2	18	68.8	1924	1823	-
6	2	18	67.8	1692	1643	-
7	2	18	82.4	1510	1761	-
8	3	18	98.6	1461	1615	1561
9	1	18	56.8	1013	-	-
10	3	18	86.2	1290	1785	1120
11	2	18	80.9	1791	1542	-
12	2	18	70.1	1496	1591	-
13	1	18	60	1138	-	-
14	1	18	52.5	1638	-	-
15	1	18	51.4	1231	-	-
16	3	18	94.6	1948	1689	1417
17	3	18	90.6	1945	1774	1445
18	3	18	86.8	1929	1076	1626
19	2	18	76.5	1449	1775	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_03

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	20	55.3	1256	-	-
2	2	20	73.5	1475	1085	-
3	1	20	60.5	1229	-	-
4	1	20	52.6	1919	-	-
5	1	20	51.8	1603	-	-
6	3	20	92.5	1468	1109	1577
7	1	20	64.8	1784	-	-
8	1	20	58.5	1915	-	-
9	2	20	75.4	1584	1130	-
10	1	20	61	1323	-	-
11	3	20	88.1	1880	1885	1678
12	2	20	73.8	1739	1514	-
13	1	20	55.1	1810	-	-
14	3	20	99	1737	1719	1034
15	1	20	50.9	1387	-	-
16	1	20	50.4	1275	-	-
17	3	20	91	1700	1738	1316
18	1	20	65.3	1534	-	-
19	3	20	95.6	1792	1937	1819
20	2	20	66.9	1770	1529	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_04

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	78.4	1900	1706	-
2	2	16	82.9	1313	1579	-
3	1	16	50.8	1990	-	-
4	1	16	65.5	1382	-	-
5	1	16	57.1	1282	-	-
6	2	16	67.5	1314	1702	-
7	1	16	64.3	1286	-	-
8	3	16	85.1	1105	1540	1147
9	1	16	51.2	1815	-	-
10	1	16	61.7	1504	-	-
11	1	16	60.8	1592	-	-
12	2	16	70.7	1112	1894	-
13	1	16	52.2	1291	-	-
14	3	16	84.9	1441	1095	1644
15	2	16	82.5	1156	1732	-
16	1	16	61	1795	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_05

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	88.2	1296	1994	1980
2	1	19	61.3	1018	-	-
3	3	19	91.1	1047	1179	1365
4	2	19	81.4	1160	1779	-
5	1	19	53.9	1428	-	-
6	1	19	59.3	1708	-	-
7	1	19	57	1587	-	-
8	3	19	87.6	1078	1844	1283
9	2	19	68.7	1453	1825	-
10	1	19	62.3	1927	-	-
11	2	19	75.7	1459	1471	-
12	2	19	71.2	1905	1489	-
13	1	19	59.1	1710	-	-
14	1	19	52.1	1308	-	-
15	1	19	60.5	1087	-	-
16	2	19	79.3	1828	1889	-
17	3	19	95	1139	1432	1588
18	2	19	69.9	1466	1838	-
19	3	19	98.1	1107	1419	1909
20						

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_06

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	6	72.5	1890	1292	-
2	2	6	72.6	1794	1408	-
3	3	6	95.1	1093	1310	1776
4	3	6	95.6	1225	1694	1778
5	3	6	84.4	1219	1640	1879
6	2	6	78.2	1448	1505	-
7	2	6	79.8	1930	1144	-
8	1	6	57.3	1021	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_07

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	9	63.6	1490	-	-
2	1	9	50.1	1714	-	-
3	2	9	67.4	1605	1352	-
4	2	9	71.6	1431	1658	-
5	2	9	70.3	1281	1007	-
6	1	9	66.4	1015	-	-
7	3	9	90	1197	1005	1918
8	1	9	62.2	1153	-	-
9	2	9	79.6	1247	1295	-
10	2	9	74.3	1518	1646	-
11	1	9	64.1	1305	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_08

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	63	1460	-	-
2	2	6	69.1	1943	1619	-
3	2	6	75.8	1000	1230	-
4	1	6	63.3	1620	-	-
5	3	6	96.8	1846	1213	1425
6	3	6	94.8	1122	1024	1920
7	3	6	91.8	1634	1991	1960
8	3	6	93.1	1424	1406	1744
9	2	6	76	1687	1763	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_09

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	8	99.1	1635	1214	1201
2	1	8	51.2	1989	-	-
3	2	8	81.6	1817	1152	-
4	2	8	75.7	1816	1596	-
5	2	8	82.3	1783	1375	-
6	3	8	86.8	1649	1690	1434
7	1	8	60	1055	-	-
8	3	8	88.4	1136	1235	1868
9	3	8	93.1	1559	1813	1222
10	1	8	65.7	1503	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_10

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	17	56.7	1263	-	-
2	1	17	53.2	1462	-	-
3	2	17	74.1	1180	1344	-
4	1	17	52	1269	-	-
5	3	17	93.5	1841	1931	1863
6	3	17	87.4	1972	1210	1610
7	1	17	51.3	1208	-	-
8	3	17	90.7	1608	1302	1759
9	1	17	55.4	1509	-	-
10	1	17	54.8	1253	-	-
11	2	17	69.1	1961	1499	-
12	3	17	89.9	1069	1717	1176
13	2	17	80.9	1315	1904	-
14	1	17	55	1553	-	-
15	2	17	80.8	1134	1439	-
16	1	17	56.9	1987	-	-
17	2	17	79	1106	1602	-
18	3	17	96.8	1874	1118	1595
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_11

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	8	59.3	1126	-	-
2	3	8	98.4	1164	1660	1258
3	1	8	50.7	1351	-	-
4	3	8	92.6	1458	1173	1209
5	3	8	85.1	1474	1843	1374
6	1	8	53.8	1547	-	-
7	1	8	58.2	1833	-	-
8	1	8	62.4	1108	-	-
9	2	8	68.6	1869	1947	-
10	3	8	91.7	1321	1912	1443
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_12

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	17	89.3	1766	1771	1623
2	3	17	83.5	1196	1410	1834
3	1	17	56.3	1913	-	-
4	1	17	51.6	1835	-	-
5	2	17	69.1	1333	1348	-
6	1	17	63.9	1583	-	-
7	2	17	67.5	1973	1142	-
8	1	17	60.9	1799	-	-
9	3	17	88.9	1178	1625	1851
10	2	17	67	1866	1908	-
11	2	17	82.4	1041	1010	-
12	2	17	76	1932	1512	-
13	3	17	95.4	1098	1278	1217
14	1	17	54	1494	-	-
15	3	17	86.4	1582	1979	1238
16	3	17	88.3	1551	1251	1294
17	1	17	56.8	1319	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_13

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	16	59.1	1452	-	-
2	2	16	70.3	1722	1113	-
3	2	16	76.5	1394	1543	-
4	3	16	94.9	1044	1887	1983
5	2	16	75.4	1858	1131	-
6	1	16	57.8	1089	-	-
7	1	16	63.3	1037	-	-
8	2	16	79.1	1389	1165	-
9	3	16	94.8	1383	1882	1986
10	1	16	65	1600	-	-
11	1	16	64.1	1589	-	-
12	2	16	68.2	1268	1787	-
13	2	16	70.3	1048	1631	-
14	3	16	93.9	1418	1954	1353
15	2	16	81.1	1662	1331	-
16	2	16	68.7	1680	1733	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_14

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	20	59.6	1570	-	-
2	1	20	51.4	1571	-	-
3	2	20	71.9	1059	1463	-
4	3	20	98.5	1667	1707	1558
5	2	20	67.5	1888	1339	-
6	2	20	70.7	1681	1663	-
7	2	20	67	1575	1936	-
8	3	20	87.5	1956	1995	1506
9	2	20	69.9	1998	1578	-
10	2	20	68	1606	1693	-
11	1	20	62	1630	-	-
12	1	20	64.3	1311	-	-
13	2	20	83.3	1731	1655	-
14	1	20	52.9	1958	-	-
15	3	20	96.7	1312	1415	1975
16	1	20	56.2	1790	-	-
17	3	20	96.8	1682	1974	1545
18	3	20	97	1735	1396	1427
19	3	20	99.1	1114	1827	1782
20	3	20	92.1	1023	1330	1500

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_15

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	9	92.1	1337	1233	1636
2	3	9	96.9	1727	1248	1170
3	1	9	63.8	1081	-	-
4	2	9	75.7	1205	1380	-
5	3	9	93.1	1056	1416	1116
6	2	9	72.6	1299	1916	-
7	2	9	74.4	1740	1673	-
8	3	9	99	1356	1901	1450
9	1	9	53.4	1486	-	-
10	3	9	92.7	1182	1911	1992
11	2	9	68.5	1697	1227	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_16

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	18	73.2	1907	1191	-
2	1	18	51.3	1764	-	-
3	1	18	57.2	1965	-	-
4	3	18	85.7	1647	1026	1632
5	1	18	52.6	1789	-	-
6	1	18	64.4	1586	-	-
7	3	18	89.8	1341	1976	1435
8	3	18	89.3	1572	1195	1379
9	3	18	88.4	1857	1309	1942
10	1	18	53.3	1574	-	-
11	3	18	89.1	1672	1875	1071
12	2	18	74.9	1952	1598	-
13	1	18	57.4	1549	-	-
14	3	18	95.8	1057	1151	1082
15	3	18	99	1115	1117	1741
16	3	18	95.8	1242	1127	1028
17	3	18	91.9	1480	1899	1250
18	2	18	68.3	1370	1103	-
19	1	18	57.9	1865	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_17

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	71.5	1903	1440	-
2	2	12	73.4	1686	1538	-
3	3	12	94.8	1279	1481	1257
4	3	12	89	1873	1043	1601
5	2	12	76.7	1891	1677	-
6	1	12	62.8	1413	-	-
7	3	12	87.6	1226	1472	1552
8	3	12	96.3	1808	1277	1541
9	1	12	55.3	1404	-	-
10	3	12	95	1922	1950	1119
11	3	12	96.4	1092	1401	1881
12	2	12	68.1	1255	1223	-
13	3	12	84.1	1072	1086	1715
14	2	12	77.3	1752	1264	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_18

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	99.6	1307	1027	1403
2	3	11	88.8	1839	1336	1473
3	1	11	63	1661	-	-
4	2	11	76	1793	1158	-
5	2	11	67.2	1171	1926	-
6	3	11	94.1	1762	1743	1254
7	3	11	91.8	1354	1058	1502
8	1	11	56.9	1133	-	-
9	1	11	57.7	1149	-	-
10	1	11	60.6	1189	-	-
11	3	11	88.7	1971	1508	1065
12	1	11	53	1734	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_19

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	10	71.9	1368	1917	-
2	1	10	56.4	1886	-	-
3	2	10	79.9	1757	1566	-
4	3	10	94.2	1020	1243	1928
5	2	10	76.8	1154	1872	-
6	2	10	82.5	1633	1576	-
7	2	10	80.7	1665	1262	-
8	3	10	95.6	1848	1326	1132
9	2	10	71.2	1804	1372	-
10	3	10	95.2	1830	1521	1616
11	2	10	78.4	1546	1161	-
12	1	10	62.3	1068	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_20

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	15	80.6	1777	1523	-
2	2	15	72.9	1198	1712	-
3	1	15	65	1207	-	-
4	2	15	68.2	1181	1174	-
5	3	15	84.4	1346	1329	1355
6	3	15	94.4	1022	1914	2000
7	3	15	92.1	1892	1536	1393
8	3	15	85.3	1483	1384	1362
9	1	15	55	1525	-	-
10	3	15	97.7	1442	1200	1046
11	1	15	57.8	1516	-	-
12	1	15	57	1864	-	-
13	3	15	85.9	1030	1042	1051
14	2	15	69.7	1691	1964	-
15	2	15	74.6	1246	1426	-
16	2	15	74.2	1614	1562	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_21

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	20	66.1	1669	-	-
2	1	20	64.5	1414	-	-
3	1	20	65.6	1347	-	-
4	3	20	84.2	1135	1163	1934
5	1	20	50.2	1332	-	-
6	2	20	73.6	1016	1861	-
7	3	20	91	1511	1155	1814
8	2	20	81.2	1902	1391	-
9	1	20	66.3	1728	-	-
10	1	20	61.2	1696	-	-
11	2	20	68.2	1169	1557	-
12	1	20	63.9	1548	-	-
13	3	20	87.5	1345	1188	1011
14	3	20	88.5	1648	1493	1399
15	1	20	56.1	1679	-	-
16	1	20	54.3	1729	-	-
17	1	20	60.4	1993	-	-
18	1	20	50.7	1772	-	-
19	3	20	95.5	1957	1465	1166
20	3	20	94.4	1216	1862	1668

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_22

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	7	79.1	1703	1045	-
2	2	7	73.6	1276	1666	-
3	2	7	72.6	1607	1895	-
4	1	7	63.4	1451	-	-
5	2	7	68.6	1711	1801	-
6	1	7	53.4	1328	-	-
7	3	7	98.1	1008	1539	1032
8	2	7	74.3	1357	1977	-
9	3	7	98.6	1893	1236	1411
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_23

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	72.9	1327	1684	-
2	1	16	58.2	1704	-	-
3	1	16	57	1999	-	-
4	1	16	57.8	1141	-	-
5	1	16	56.4	1716	-	-
6	2	16	79.4	1388	1285	-
7	1	16	56.7	1507	-	-
8	2	16	79.5	1062	1001	-
9	3	16	94.3	1129	1705	1769
10	1	16	62	1654	-	-
11	1	16	57	1533	-	-
12	2	16	81.9	1361	1742	-
13	3	16	83.9	1017	1111	1373
14	1	16	51.9	1359	-	-
15	2	16	73.2	1140	1641	-
16	2	16	76.2	1988	1484	-
17	2	16	78.1	1698	1829	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_24

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	14	97.8	1402	1676	1807
2	1	14	66.5	1168	-	-
3	3	14	91.5	1019	1985	1100
4	1	14	53.5	1204	-	-
5	3	14	96.6	1241	1765	1378
6	3	14	85.2	1856	1524	1501
7	2	14	74.3	1033	1604	-
8	2	14	80.3	1385	1261	-
9	3	14	95.2	1532	1709	1301
10	3	14	92.5	1871	1593	1749
11	3	14	91.9	1293	1412	1724
12	1	14	52.2	1298	-	-
13	1	14	65.5	1650	-	-
14	3	14	96.9	1867	1004	1259
15	2	14	75.6	1446	1966	-
16	1	14	66.6	1923	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_25

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	11	82.6	1349	1573	-
2	3	11	93.4	1594	1563	1183
3	1	11	52.9	1725	-	-
4	1	11	61.1	1187	-	-
5	1	11	56	1515	-	-
6	2	11	81	1809	1877	-
7	1	11	59	1469	-	-
8	3	11	99.5	1831	1845	1438
9	2	11	74.9	1273	1535	-
10	1	11	66.1	1252	-	-
11	3	11	88.7	1157	1860	1997
12	3	11	88.4	1969	1407	1091
13	1	11	62.4	1699	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_26

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	8	95.2	1002	1821	1527
2	2	8	71.7	1840	1035	-
3	3	8	99.4	1289	1177	1656
4	3	8	87.2	1786	1736	1925
5	3	8	90.5	1751	1803	1701
6	1	8	55.6	1067	-	-
7	2	8	81.5	1390	1946	-
8	2	8	82.8	1718	1245	-
9	3	8	95.1	1212	1713	1070
10	2	8	76.3	1317	1695	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_27

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	73	1237	1485	-
2	2	5	82.7	1824	1750	-
3	2	5	77.5	1436	1398	-
4	1	5	61.3	1303	-	-
5	3	5	87	1618	1675	1753
6	1	5	64.8	1215	-	-
7	2	5	77.2	1146	1280	-
8	2	5	78.7	1567	1400	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_28

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	5	65.2	1186	-	-
2	2	5	81.4	1193	1271	-
3	1	5	65.2	1556	-	-
4	1	5	51.2	1820	-	-
5	1	5	58.5	1381	-	-
6	2	5	70.2	1624	1564	-
7	1	5	65	1060	-	-
8	2	5	72.1	1364	1099	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-
17	-	-	-	-	-	-
18	-	-	-	-	-	-
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_29

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	19	66.8	1876	1342	-
2	1	19	57.4	1206	-	-
3	3	19	92.1	1454	1079	1482
4	2	19	78.6	1726	1066	-
5	2	19	80.4	1498	1611	-
6	3	19	96.6	1495	1671	1123
7	3	19	85.9	1800	1232	1159
8	2	19	67.9	1847	1128	-
9	3	19	100	1260	1970	1064
10	2	19	70.8	1639	1796	-
11	3	19	92.5	1080	1367	1780
12	1	19	65	1921	-	-
13	2	19	75	1324	1429	-
14	3	19	91.2	1334	1464	1340
15	3	19	94.1	1386	1747	1409
16	3	19	83.9	1544	1318	1530
17	3	19	87.6	1377	1110	1239
18	2	19	67	1392	1745	-
19	2	19	79.9	1343	1194	-
20	-	-	-	-	-	-

Long Pulse Radar Test Signal

Test Signal Name: LP_Signal_30

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (MHz)	Pulse Width(us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	17	78.4	1272	1101	-
2	2	17	78.5	1967	1366	-
3	2	17	69.7	1038	1083	-
4	2	17	72.1	1371	1422	-
5	3	17	84.7	1883	1063	1721
6	3	17	97.8	1897	1760	1651
7	3	17	87.5	1304	1457	1955
8	2	17	73.5	1685	1488	-
9	1	17	56.9	1996	-	-
10	3	17	97.2	1369	1376	1025
11	3	17	94	1568	1944	1806
12	1	17	63.1	1569	-	-
13	2	17	79.2	1802	1555	-
14	2	17	72.2	1531	1470	-
15	2	17	68.4	1288	1659	-
16	3	17	88.9	1832	1768	1287
17	2	17	74.1	1014	1723	-
18	3	17	90.8	1537	1423	1006
19	-	-	-	-	-	-
20	-	-	-	-	-	-

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01					
Frequency (MHz)	0	1	2	3	4
0	5558	5323	5719	5591	5368
5	5694	5637	5476	5532	5528
10	5456	5354	5585	5301	5530
15	5262	5450	5625	5691	5417
20	5706	5415	5294	5377	5685
25	5254	5302	5258	5677	5600
30	5384	5487	5429	5382	5652
35	5256	5263	5717	5306	5408
40	5290	5665	5548	5460	5555
45	5286	5401	5393	5592	5675
50	5464	5690	5250	5406	5577
55	5520	5601	5479	5305	5642
60	5293	5698	5404	5633	5400
65	5611	5434	5270	5431	5452
70	5682	5569	5383	5318	5661
75	5379	5338	5576	5643	5291
80	5390	5511	5629	5536	5707
85	5253	5489	5724	5627	5271
90	5607	5590	5695	5539	5411
95	5388	5606	5523	5546	5355

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02					
Frequency (MHz)	0	1	2	3	4
0	5338	5562	5655	5277	5588
5	5358	5659	5551	5695	5260
10	5387	5618	5626	5399	5253
15	5577	5261	5609	5617	5581
20	5397	5286	5350	5573	5678
25	5365	5521	5336	5300	5566
30	5557	5270	5633	5307	5568
35	5473	5448	5506	5652	5259
40	5325	5719	5648	5287	5594
45	5528	5615	5518	5511	5487
50	5582	5462	5452	5482	5415
55	5619	5362	5405	5544	5377
60	5706	5685	5546	5311	5703
65	5591	5507	5354	5530	5682
70	5705	5500	5460	5410	5704
75	5400	5572	5550	5635	5331
80	5442	5543	5401	5296	5433
85	5351	5455	5607	5441	5284
90	5449	5701	5713	5274	5407
95	5255	5505	5569	5323	5262

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03					
Frequency (MHz)	0	1	2	3	4
0	5593	5326	5591	5438	5430
5	5400	5584	5626	5383	5467
10	5318	5407	5667	5594	5572
15	5341	5704	5356	5306	5625
20	5650	5338	5375	5323	5364
25	5530	5568	5370	5342	5552
30	5514	5485	5310	5602	5707
35	5564	5659	5663	5573	5408
40	5657	5413	5284	5523	5508
45	5698	5576	5277	5361	5638
50	5503	5668	5713	5466	5365
55	5316	5595	5363	5348	5360
60	5491	5618	5529	5534	5317
65	5456	5390	5265	5372	5399
70	5589	5309	5386	5369	5692
75	5396	5531	5412	5441	5464
80	5614	5546	5314	5550	5475
85	5395	5532	5647	5391	5719
90	5699	5631	5521	5262	5336
95	5403	5451	5329	5460	5504

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04					
Frequency (MHz)	0	1	2	3	4
0	5276	5565	5527	5502	5650
5	5442	5606	5701	5546	5296
10	5627	5671	5708	5314	5593
15	5429	5259	5459	5254	5518
20	5633	5341	5376	5367	5252
25	5479	5404	5481	5441	5471
30	5603	5559	5325	5371	5655
35	5612	5337	5577	5412	5588
40	5595	5653	5281	5355	5488
45	5306	5537	5617	5639	5712
50	5339	5554	5282	5536	5410
55	5553	5270	5310	5560	5319
60	5489	5540	5533	5450	5615
65	5405	5426	5572	5264	5288
70	5575	5362	5622	5716	5539
75	5512	5664	5454	5299	5611
80	5686	5449	5689	5374	5267
85	5440	5446	5305	5370	5556
90	5250	5258	5513	5538	5317
95	5320	5301	5430	5432	5280

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05					
Frequency (MHz)	0	1	2	3	4
0	5531	5329	5463	5663	5492
5	5484	5301	5612	5503	5558
10	5557	5274	5509	5614	5517
15	5386	5465	5299	5710	5544
20	5507	5317	5456	5269	5615
25	5331	5499	5455	5341	5523
30	5330	5428	5343	5711	5620
35	5413	5271	5408	5587	5491
40	5251	5671	5436	5321	5278
45	5284	5468	5389	5595	5670
50	5429	5588	5515	5605	5371
55	5262	5257	5266	5602	5500
60	5379	5668	5521	5705	5478
65	5354	5365	5307	5534	5566
70	5640	5561	5606	5385	5716
75	5581	5685	5360	5585	5493
80	5344	5564	5260	5687	5608
85	5352	5337	5459	5308	5400
90	5553	5665	5721	5353	5298
95	5555	5372	5304	5296	5312

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06					
Frequency (MHz)	0	1	2	3	4
0	5311	5568	5399	5349	5712
5	5623	5553	5376	5300	5710
10	5392	5346	5315	5704	5635
15	5508	5513	5344	5427	5552
20	5576	5258	5448	5717	5406
25	5658	5605	5559	5375	5565
30	5316	5385	5558	5485	5343
35	5459	5301	5265	5502	5279
40	5374	5561	5275	5591	5472
45	5653	5723	5464	5691	5656
50	5460	5560	5676	5357	5556
55	5690	5673	5639	5650	5395
60	5423	5686	5579	5469	5542
65	5303	5401	5614	5329	5272
70	5547	5609	5709	5692	5540
75	5557	5480	5253	5474	5596
80	5674	5516	5627	5698	5352
85	5470	5397	5554	5273	5354
90	5388	5411	5359	5655	5600
95	5572	5669	5291	5638	5487

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07					
Frequency (MHz)	0	1	2	3	4
0	5566	5332	5335	5510	5554
5	5665	5478	5451	5463	5539
10	5323	5610	5453	5327	5656
15	5596	5640	5671	5389	5716
20	5560	5267	5296	5537	5690
25	5294	5607	5333	5663	5409
30	5704	5680	5342	5298	5637
35	5638	5691	5550	5572	5418
40	5416	5501	5362	5312	5326
45	5369	5520	5428	5555	5614
50	5301	5581	5718	5392	5707
55	5646	5383	5523	5545	5405
60	5492	5304	5368	5518	5502
65	5415	5365	5252	5437	5349
70	5696	5309	5630	5709	5558
75	5668	5499	5526	5600	5299
80	5455	5373	5687	5297	5316
85	5338	5505	5255	5360	5271
90	5616	5477	5683	5576	5263
95	5440	5686	5482	5567	5270

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08					
Frequency (MHz)	0	1	2	3	4
0	5724	5571	5271	5671	5299
5	5707	5500	5526	5626	5254
10	5399	5494	5522	5677	5684
15	5292	5337	5433	5471	5336
20	5712	5529	5663	5560	5459
25	5536	5443	5666	5416	5411
30	5361	5258	5641	5368	5668
35	5330	5340	5542	5250	5469
40	5366	5449	5311	5638	5672
45	5257	5468	5594	5568	5283
50	5260	5681	5467	5464	5498
55	5689	5484	5410	5350	5328
60	5458	5566	5676	5376	5656
65	5491	5353	5478	5616	5310
70	5644	5398	5720	5442	5436
75	5625	5322	5553	5383	5502
80	5613	5633	5629	5420	5581
85	5359	5406	5266	5371	5675
90	5721	5703	5537	5465	5627
95	5369	5694	5407	5447	5316

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09					
Frequency (MHz)	0	1	2	3	4
0	5504	5335	5682	5357	5519
5	5371	5425	5601	5692	5478
10	5563	5663	5535	5717	5698
15	5297	5322	5402	5382	5625
20	5479	5502	5653	5618	5636
25	5448	5408	5264	5493	5477
30	5313	5555	5256	5631	5656
35	5397	5257	5261	5346	5341
40	5654	5709	5363	5281	5291
45	5721	5255	5310	5258	5470
50	5269	5334	5349	5407	5314
55	5446	5418	5688	5508	5455
60	5562	5415	5355	5279	5629
65	5404	5389	5412	5488	5383
70	5550	5602	5337	5634	5620
75	5417	5367	5365	5432	5547
80	5561	5499	5430	5633	5568
85	5558	5449	5410	5498	5701
90	5431	5377	5679	5720	5592
95	5434	5606	5472	5405	5648

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10					
Frequency (MHz)	0	1	2	3	4
0	5284	5574	5618	5518	5361
5	5413	5447	5676	5380	5307
10	5494	5452	5576	5437	5719
15	5288	5449	5408	5427	5342
20	5487	5571	5691	5610	5609
25	5714	5260	5467	5597	5511
30	5444	5688	5371	5337	5476
35	5536	5348	5532	5499	5255
40	5493	5708	5601	5474	5360
45	5685	5271	5329	5363	5620
50	5346	5445	5385	5438	5705
55	5258	5634	5372	5403	5327
60	5426	5594	5580	5300	5586
65	5552	5350	5590	5351	5698
70	5653	5434	5340	5483	5596
75	5376	5388	5631	5495	5557
80	5711	5624	5496	5625	5410
85	5443	5275	5414	5364	5424
90	5480	5646	5464	5262	5647
95	5418	5261	5488	5575	5615

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11					
Frequency (MHz)	0	1	2	3	4
0	5539	5338	5554	5582	5581
5	5455	5372	5276	5543	5514
10	5425	5617	5535	5265	5376
15	5576	5511	5375	5534	5398
20	5262	5632	5699	5602	5587
25	5670	5701	5545	5494	5430
30	5645	5586	5489	5674	5675
35	5536	5328	5274	5644	5332
40	5413	5714	5357	5517	5251
45	5412	5416	5410	5600	5524
50	5436	5527	5528	5580	5347
55	5326	5593	5397	5723	5270
60	5720	5418	5378	5393	5523
65	5387	5530	5448	5615	5316
70	5671	5440	5475	5335	5683
75	5508	5299	5476	5334	5555
80	5371	5400	5687	5493	5345
85	5439	5349	5406	5370	5282
90	5415	5519	5719	5286	5486
95	5680	5346	5279	5702	5402

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12					
Frequency (MHz)	0	1	2	3	4
0	5319	5577	5490	5268	5423
5	5497	5394	5351	5706	5721
10	5259	5602	5658	5255	5286
15	5464	5703	5614	5420	5251
20	5406	5331	5573	5691	5555
25	5536	5301	5330	5579	5704
30	5263	5494	5717	5627	5599
35	5427	5655	5496	5477	5382
40	5451	5446	5495	5332	5469
45	5297	5476	5700	5487	5713
50	5524	5535	5280	5308	5343
55	5271	5377	5532	5287	5250
60	5679	5339	5472	5265	5340
65	5418	5485	5657	5443	5656
70	5294	5652	5628	5345	5457
75	5586	5665	5467	5372	5540
80	5439	5666	5369	5562	5722
85	5292	5442	5492	5617	5606
90	5585	5393	5282	5483	5629
95	5349	5306	5633	5690	5334

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13					
Frequency (MHz)	0	1	2	3	4
0	5477	5341	5426	5429	5643
5	5636	5319	5297	5453	5665
10	5391	5699	5450	5307	5552
15	5355	5717	5465	5443	5414
20	5497	5514	5305	5528	5281
25	5388	5504	5434	5613	5578
30	5683	5559	5444	5415	5692
35	5381	5718	5492	5580	5569
40	5582	5579	5318	5622	5448
45	5375	5686	5293	5522	5562
50	5352	5401	5538	5327	5371
55	5626	5709	5498	5637	5506
60	5697	5707	5557	5602	5285
65	5340	5421	5362	5572	5610
70	5696	5543	5408	5427	5253
75	5524	5273	5488	5438	5363
80	5678	5631	5435	5390	5260
85	5342	5508	5279	5590	5420
90	5262	5616	5651	5694	5410
95	5337	5467	5527	5328	5409

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14					
Frequency (MHz)	0	1	2	3	4
0	5257	5580	5362	5590	5485
5	5678	5341	5501	5460	5282
10	5499	5655	5265	5645	5328
15	5543	5385	5345	5510	5325
20	5566	5552	5297	5644	5337
25	5707	5635	5647	5717	5669
30	5516	5659	5664	5512	5520
35	5334	5288	5355	5483	5421
40	5662	5256	5387	5445	5682
45	5569	5661	5351	5478	5449
50	5606	5577	5589	5416	5375
55	5315	5339	5663	5688	5456
60	5652	5486	5428	5706	5638
65	5370	5398	5307	5502	5251
70	5546	5403	5687	5493	5296
75	5534	5419	5615	5313	5320
80	5498	5720	5447	5392	5374
85	5555	5691	5306	5601	5588
90	5427	5451	5425	5685	5651
95	5308	5283	5701	5410	5404

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15					
Frequency (MHz)	0	1	2	3	4
0	5512	5441	5298	5276	5705
5	5720	5363	5576	5623	5489
10	5430	5444	5403	5365	5349
15	5631	5351	5458	5449	5333
20	5257	5493	5386	5474	5435
25	5664	5264	5681	5284	5558
30	5473	5399	5341	5710	5562
35	5425	5559	5508	5494	5260
40	5367	5669	5627	5442	5611
45	5549	5269	5409	5531	5714
50	5482	5278	5640	5505	5673
55	5637	5527	5617	5306	5653
60	5659	5289	5552	5694	5318
65	5274	5364	5319	5337	5614
70	5297	5302	5323	5712	5581
75	5379	5646	5416	5677	5400
80	5392	5326	5445	5484	5658
85	5384	5272	5452	5566	5423
90	5464	5280	5471	5607	5622
95	5630	5340	5447	5532	5615

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16					
Frequency (MHz)	0	1	2	3	4
0	5292	5680	5709	5437	5547
5	5287	5288	5651	5311	5696
10	5361	5330	5444	5463	5370
15	5719	5639	5454	5503	5641
20	5341	5423	5434	5378	5447
25	5323	5516	5638	5368	5715
30	5326	5430	5517	5590	5530
35	5701	5452	5661	5408	5671
40	5450	5607	5295	5439	5443
45	5529	5352	5584	5601	5358
50	5691	5496	5581	5571	5472
55	5533	5321	5717	5625	5652
60	5695	5662	5268	5373	5349
65	5567	5483	5395	5698	5649
70	5258	5605	5334	5536	5723
75	5381	5436	5551	5721	5467
80	5623	5606	5415	5388	5379
85	5712	5478	5636	5613	5656
90	5512	5449	5558	5502	5546
95	5718	5572	5498	5707	5509

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17					
Frequency (MHz)	0	1	2	3	4
0	5450	5444	5645	5598	5292
5	5426	5310	5251	5377	5525
10	5670	5594	5485	5658	5391
15	5332	5291	5557	5548	5358
20	5252	5492	5472	5467	5420
25	5589	5465	5269	5274	5433
30	5387	5257	5267	5350	5365
35	5704	5723	5339	5322	5510
40	5533	5545	5535	5372	5509
45	5435	5428	5637	5709	5630
50	5305	5697	5686	5504	5407
55	5584	5457	5478	5641	5388
60	5692	5409	5656	5459	5286
65	5564	5684	5652	5657	5681
70	5362	5324	5546	5482	5715
75	5309	5378	5662	5526	5475
80	5256	5430	5676	5326	5619
85	5593	5297	5461	5575	5500
90	5691	5346	5392	5496	5255
95	5360	5460	5338	5333	5385

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18					
Frequency (MHz)	0	1	2	3	4
0	5705	5683	5581	5284	5609
5	5468	5710	5326	5540	5257
10	5601	5383	5526	5378	5412
15	5323	5418	5660	5593	5550
20	5260	5658	5413	5459	5393
25	5477	5317	5472	5673	5308
30	5507	5322	5344	5516	5548
35	5504	5320	5519	5589	5711
40	5349	5616	5483	5300	5530
45	5301	5489	5518	5486	5690
50	5278	5488	5331	5318	5394
55	5520	5372	5382	5401	5475
60	5579	5572	5529	5289	5684
65	5686	5641	5348	5391	5254
70	5564	5636	5292	5277	5506
75	5685	5523	5650	5437	5343
80	5576	5559	5263	5404	5387
85	5438	5570	5696	5384	5258
90	5496	5491	5625	5627	5654
95	5592	5612	5449	5590	5591

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19					
Frequency (MHz)	0	1	2	3	4
0	5485	5447	5517	5348	5354
5	5510	5257	5401	5703	5464
10	5532	5647	5567	5573	5433
15	5411	5448	5288	5541	5267
20	5268	5252	5548	5366	5365
25	5266	5675	5302	5342	5549
30	5308	5301	5687	5668	5368
35	5546	5315	5722	5663	5321
40	5421	5443	5527	5608	5469
45	5601	5543	5364	5507	5369
50	5483	5343	5694	5707	5336
55	5591	5307	5446	5708	5262
60	5571	5693	5702	5630	5412
65	5590	5384	5698	5621	5367
70	5330	5278	5280	5355	5661
75	5482	5619	5324	5580	5353
80	5669	5519	5568	5275	5674
85	5429	5326	5498	5665	5564
90	5338	5506	5656	5253	5536
95	5679	5609	5667	5565	5487

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20					
Frequency (MHz)	0	1	2	3	4
0	5265	5686	5453	5509	5671
5	5552	5657	5476	5391	5293
10	5366	5436	5608	5454	5499
15	5575	5294	5586	5459	5654
20	5418	5392	5637	5339	5631
25	5593	5403	5406	5376	5688
30	5672	5258	5330	5442	5566
35	5685	5502	5683	5420	5636
40	5404	5359	5524	5537	5449
45	5684	5505	5321	5430	5715
50	5669	5641	5638	5290	5306
55	5601	5320	5362	5427	5516
60	5525	5528	5576	5710	5539
65	5323	5433	5416	5645	5402
70	5264	5380	5679	5441	5491
75	5444	5723	5605	5304	5300
80	5635	5595	5272	5394	5332
85	5643	5461	5382	5529	5389
90	5514	5346	5259	5598	5691
95	5722	5549	5385	5365	5655

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21					
Frequency (MHz)	0	1	2	3	4
0	5520	5450	5389	5670	5416
5	5691	5679	5551	5554	5500
10	5297	5322	5649	5391	5475
15	5587	5702	5397	5631	5651
20	5662	5487	5333	5629	5312
25	5519	5445	5606	5510	5410
30	5255	5561	5690	5545	5594
35	5386	5349	5593	5479	5550
40	5438	5675	5448	5521	5369
45	5332	5292	5563	5277	5695
50	5591	5384	5471	5283	5367
55	5485	5608	5719	5496	5420
60	5291	5394	5592	5461	5357
65	5451	5619	5436	5488	5359
70	5265	5686	5351	5571	5250
75	5383	5528	5613	5400	5460
80	5564	5294	5285	5317	5556
85	5324	5658	5269	5589	5477
90	5343	5430	5712	5511	5535
95	5678	5325	5302	5630	5722

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22					
Frequency (MHz)	0	1	2	3	4
0	5678	5689	5325	5356	5258
5	5604	5626	5620	5707	5703
10	5586	5690	5496	5578	5354
15	5500	5579	5465	5670	5653
20	5274	5718	5382	5310	5394
25	5712	5711	5444	5297	5547
30	5647	5285	5368	5584	5488
35	5306	5275	5348	5561	5277
40	5667	5613	5688	5615	5298
45	5312	5375	5524	5330	5582
50	5370	5560	5522	5372	5665
55	5429	5321	5673	5686	5617
60	5262	5523	5282	5406	5664
65	5565	5637	5437	5395	5475
70	5629	5643	5333	5483	5280
75	5492	5359	5332	5684	5364
80	5537	5427	5337	5721	5266
85	5309	5710	5424	5484	5669
90	5362	5532	5676	5271	5569
95	5463	5357	5614	5656	5701

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23					
Frequency (MHz)	0	1	2	3	4
0	5458	5453	5261	5517	5478
5	5300	5626	5701	5308	5536
10	5537	5375	5353	5306	5666
15	5481	5603	5624	5657	5581
20	5722	5312	5710	5355	5673
25	5721	5440	5340	5436	5604
30	5500	5520	5404	5530	5397
35	5643	5501	5475	5591	5275
40	5551	5356	5612	5702	5292
45	5582	5383	5372	5573	5461
50	5488	5276	5509	5627	5304
55	5708	5652	5447	5448	5593
60	5675	5511	5460	5483	5334
65	5307	5373	5432	5337	5319
70	5486	5468	5318	5301	5707
75	5345	5314	5406	5641	5504
80	5613	5266	5544	5386	5705
85	5348	5451	5255	5366	5374
90	5506	5446	5299	5412	5598
95	5554	5583	5489	5349	5494

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24					
Frequency (MHz)	0	1	2	3	4
0	5713	5692	5672	5678	5320
5	5342	5551	5301	5471	5268
10	5468	5639	5394	5501	5538
15	5279	5511	5706	5669	5374
20	5589	5413	5253	5324	5328
25	5464	5670	5643	5444	5415
30	5478	5325	5561	5618	5294
35	5602	5488	5439	5276	5389
40	5430	5358	5489	5596	5609
45	5534	5272	5541	5640	5436
50	5259	5597	5437	5624	5550
55	5311	5695	5697	5581	5494
60	5255	5582	5306	5612	5393
65	5425	5457	5661	5432	5370
70	5517	5265	5710	5409	5305
75	5453	5277	5648	5352	5626
80	5326	5566	5719	5469	5638
85	5321	5613	5583	5507	5481
90	5573	5399	5699	5531	5380
95	5540	5605	5555	5316	5467

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25					
Frequency (MHz)	0	1	2	3	4
0	5493	5456	5608	5364	5540
5	5481	5573	5376	5634	5475
10	5302	5428	5435	5696	5559
15	5367	5638	5712	5714	5566
20	5597	5482	5669	5316	5301
25	5352	5522	5371	5548	5449
30	5520	5311	5518	5358	5446
35	5422	5333	5579	5710	5429
40	5400	5366	5441	5427	5361
45	5606	5463	5252	5624	5601
50	5489	5524	5473	5613	5675
55	5261	5512	5542	5410	5535
60	5684	5452	5553	5338	5257
65	5327	5500	5484	5381	5406
70	5349	5513	5578	5388	5589
75	5420	5711	5617	5472	5672
80	5307	5343	5660	5630	5408
85	5532	5635	5516	5470	5673
90	5538	5353	5273	5386	5574
95	5487	5567	5430	5663	5447

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26					
Frequency (MHz)	0	1	2	3	4
0	5651	5695	5544	5428	5382
5	5523	5498	5451	5700	5304
10	5708	5314	5476	5319	5580
15	5455	5290	5340	5662	5283
20	5508	5648	5707	5405	5274
25	5715	5471	5574	5483	5562
30	5675	5475	5573	5717	5375
35	5670	5506	5582	5680	5621
40	5365	5601	5603	5295	5659
45	5542	5252	5251	5350	5335
50	5486	5501	5489	5399	5271
55	5524	5467	5564	5250	5446
60	5685	5330	5345	5559	5694
65	5650	5374	5592	5529	5396
70	5288	5673	5411	5572	5692
75	5632	5711	5419	5364	5530
80	5293	5406	5404	5720	5568
85	5386	5392	5511	5369	5676
90	5447	5577	5647	5423	5323
95	5468	5682	5452	5641	5635

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27					
Frequency (MHz)	0	1	2	3	4
0	5431	5459	5480	5589	5602
5	5565	5520	5526	5388	5511
10	5639	5578	5517	5514	5601
15	5446	5417	5443	5707	5475
20	5516	5339	5648	5397	5722
25	5506	5323	5680	5378	5701
30	5564	5432	5313	5469	5440
35	5286	5399	5357	5703	5519
40	5704	5303	5269	5697	5699
45	5590	5315	5717	5498	5676
50	5603	5490	5302	5439	5633
55	5333	5689	5495	5596	5632
60	5325	5396	5551	5392	5508
65	5279	5381	5391	5497	5360
70	5692	5372	5629	5458	5712
75	5386	5275	5308	5667	5261
80	5280	5419	5493	5485	5371
85	5358	5291	5398	5545	5310
90	5464	5253	5718	5305	5426
95	5288	5664	5636	5675	5359

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28					
Frequency (MHz)	0	1	2	3	4
0	5686	5698	5416	5275	5444
5	5607	5445	5601	5551	5718
10	5473	5367	5558	5709	5622
15	5534	5544	5546	5277	5667
20	5524	5408	5589	5486	5695
25	5394	5650	5482	5268	5550
30	5389	5431	5621	5260	5653
35	5474	5670	5510	5714	5358
40	5312	5619	5509	5694	5628
45	5570	5398	5300	5466	5479
50	5666	5353	5528	5456	5402
55	5397	5304	5384	5369	5250
60	5322	5270	5325	5377	5435
65	5703	5320	5492	5346	5702
70	5251	5588	5427	5529	5347
75	5527	5418	5448	5328	5343
80	5723	5620	5553	5677	5409
85	5644	5586	5716	5501	5511
90	5481	5687	5712	5616	5284
95	5401	5631	5699	5374	5662

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29					
Frequency (MHz)	0	1	2	3	4
0	5466	5462	5352	5436	5664
5	5271	5467	5676	5714	5450
10	5404	5631	5599	5429	5643
15	5622	5574	5649	5322	5384
20	5435	5530	5478	5668	5660
25	5611	5586	5585	5310	5439
30	5346	5646	5395	5458	5317
35	5565	5663	5628	5672	5492
40	5557	5274	5691	5460	5550
45	5481	5261	5604	5353	5258
50	5367	5279	5590	5254	5494
55	5581	5340	5379	5487	5690
60	5632	5300	5381	5652	5356
65	5433	5578	5488	5320	5551
70	5702	5299	5380	5328	5304
75	5431	5704	5406	5526	5443
80	5700	5516	5297	5679	5363
85	5417	5309	5507	5296	5595
90	5267	5696	5514	5263	5535
95	5684	5613	5529	5445	5548

Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30					
Frequency (MHz)	0	1	2	3	4
0	5721	5323	5288	5597	5506
5	5313	5392	5276	5305	5279
10	5335	5420	5640	5624	5664
15	5710	5701	5655	5270	5673
20	5443	5643	5568	5567	5641
25	5548	5451	5339	5312	5619
30	5449	5425	5303	5386	5547
35	5278	5359	5656	5438	5542
40	5608	5575	5495	5417	5688
45	5389	5530	5564	5319	5657
50	5618	5609	5543	5455	5328
55	5480	5683	5587	5400	5311
60	5508	5652	5257	5464	5601
65	5327	5258	5654	5381	5415
70	5678	5409	5268	5500	5718
75	5309	5556	5541	5582	5566
80	5523	5638	5700	5401	5576
85	5489	5414	5665	5507	5571
90	5513	5453	5653	5540	5612
95	5322	5302	5509	5620	5504

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