TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBEDV-WTW-P25060155-2
FCC ID:	G95-CGA437C
Product:	Cable Gateway Docsis 3.1
Brand:	Vantiva
Model No.:	CGA437CVBV5
Series Model:	CGA437CXXXX (where every x can be any alpha numeric symbol from A to Z, or number from 0 to 9 or blank, which are all for marketing purposes only)
Received Date:	2025/5/15
Test Date:	2025/6/9 ~ 2025/6/19
Issued Date:	2025/7/11
Applicant:	Vantiva USA LLC
Address:	4855 Peachtree Industrial Blvd. Suite 200 Norcross, Georgia 30092
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2025/7/11

Jeremy Lin / Project Engineer

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Prepared by : Celine Chou / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEDV-WTW-P25060155-2	Original release.	2025/7/11

1 Certificate

Product:	Cable Gateway Docsis 3.1
Brand:	Vantiva
Test Model:	CGA437CVBV5
Series Model:	CGA437CXXXX (where every x can be any alpha numeric symbol from A to Z, or number from 0 to 9 or blank, which are all for marketing purposes only)
Sample Status:	Engineering sample
Applicant:	Vantiva USA LLC
Test Date:	2025/6/9 ~ 2025/6/19
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	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 RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(h)	U-NII Detection Bandwidth	Pass	Applicable
15.407(h)	Channel Availability Check Time	Pass	Applicable
15.407(h)	Channel Closing Transmission and Channel Move Time	Pass	Applicable
15.407(h)	Non-Occupancy Period	Pass	Applicable
15.407(h)	Statistical Performance Check	Pass	Applicable
15.407(h)	Non-Associated Test	N/A	Not Applicable

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Cable Gateway Docsis 3.1
Brand	Vantiva
Test Model	CGA437CVBV5
Series Model	CGA437CXXXX (where every x can be any alpha numeric symbol from A to Z, or number from 0 to 9 or blank, which are all for marketing purposes only)
DFS Firmware/software version	CGA437CVBV5-05-dev-RT-EM
Operational Mode	Master (with TPC function)
Operating Frequency Band	5.25 GHz ~ 5.35 GHz 5.47 GHz ~ 5.725 GHz
Communication Mode	IP based

Note:

1. All models are listed as below.

Brand	Model No.	Difference description
Vantiva	CGA437CVBV5 (main tested model)	for marketing purposes only
	CGA437CXXXX (where every x can be any alpha numeric symbol from A to Z, or number from 0 to 9 or blank)	

2. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Ant. No.	Ant. Net Gain (dBi)	Frequency Range	Antenna Type	Connector Type
DB-1	2.47	2400~2483.5 MHz	PCB	Murata
	4.59	5150~5250 MHz		
	4.50	5250~5350 MHz		
	5.37	5470~5725 MHz		
	4.87	5725~5850 MHz		
DB-2	4.11	2400~2483.5 MHz	PCB	Murata
	4.97	5150~5250 MHz		
	4.71	5250~5350 MHz		
	4.69	5470~5725 MHz		
	3.91	5725~5850 MHz		

Antenna Gain	Directional Gain (dBi)
2400~2483.5 MHz	3.72
5150~5250 MHz	4.32
5250~5350 MHz	4.51
5470~5725 MHz	6.08
5725~5850 MHz	5.53

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	Tx & Rx Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 EUT Power Level

Highest Power Level						
Signal Mode	Frequency Band (MHz)	Conducted Power		Gain (dBi)	EIRP	
		(mW)	(dBm)		(mW)	(dBm)
CDD	5250-5350	209.471	23.21	4.71	619.618	27.92
	5470-5725	209.471	23.21	5.37	721.313	28.58
Beamforming	5250-5350	208.765	23.20	4.51	589.736	27.71
	5470-5725	209.355	23.21	6.08	848.952	29.29

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 U-NII Detection Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
* Signal Analyzer R&S	FSV7	104056	2024/5/29	2026/5/28
MXG Vector signal generator Keysight	N5182B	MY53052282	2025/1/6	2026/1/5
Software BV	BVDFS_Auto-ISM_Workbench_V2A2	N/A	N/A	N/A

Notes:

1. * The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA
2. The test was performed in DFS room.
3. Tested Date: 2025/6/9 ~ 2025/6/19

4.2 Channel Availability Check Time

Refer to section 4.1 to get the tested date and information of the instruments.

4.3 Channel Closing Transmission and Channel Move Time

Refer to section 4.1 to get the tested date and information of the instruments.

4.4 Non-Occupancy Period

Refer to section 4.1 to get the tested date and information of the instruments.

4.5 Statistical Performance Check

Refer to section 4.1 to get the tested date and information of the instruments.

5 Limits of Test Items

5.1 Working Modes and Required Test Items

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

Table 1: Applicability of DFS Requirements Prior To Use a Channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	✓ 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 2: 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.		

5.2 Test Limits and Radar Signal Parameters

Detection Threshold Values

Table 3: 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. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: 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 Waveforms

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 5: 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 in Table 5a --- Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	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 6: 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:

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

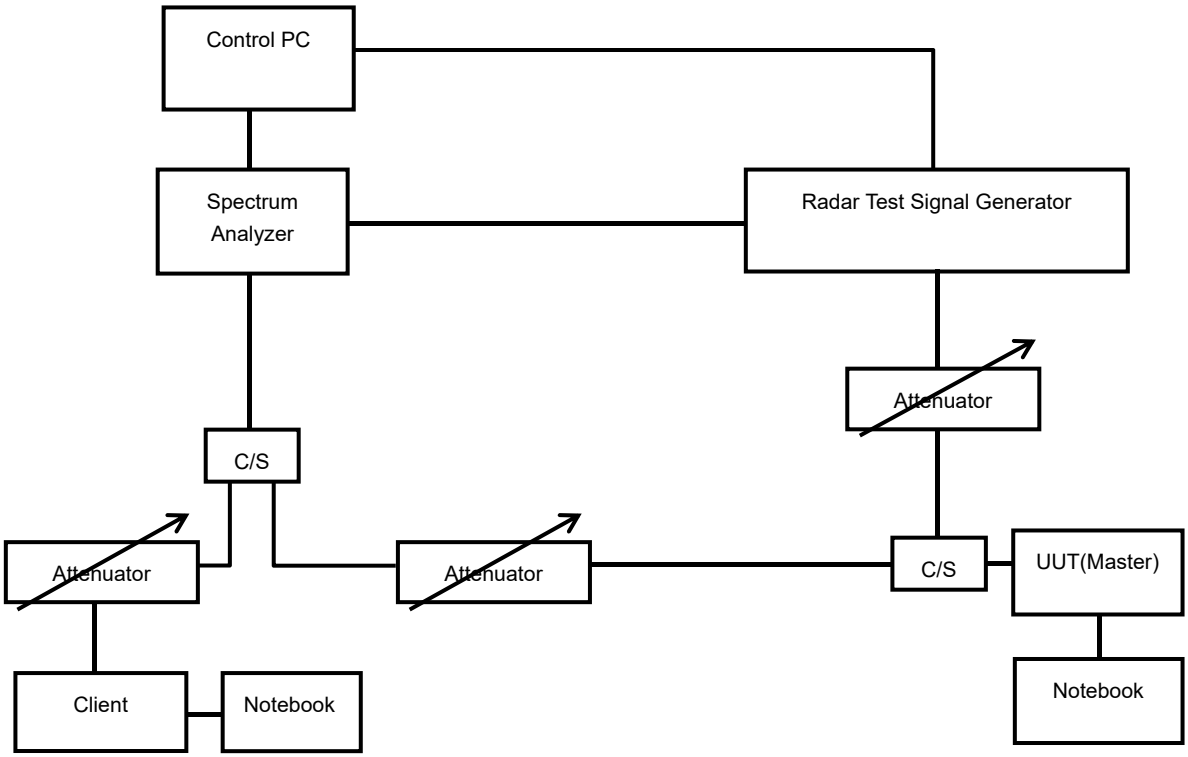
Table 7: Frequency Hopping Radar Test Waveform

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

6 Test Arrangements

6.1 Test Setup

Conducted measurement
Master Mode



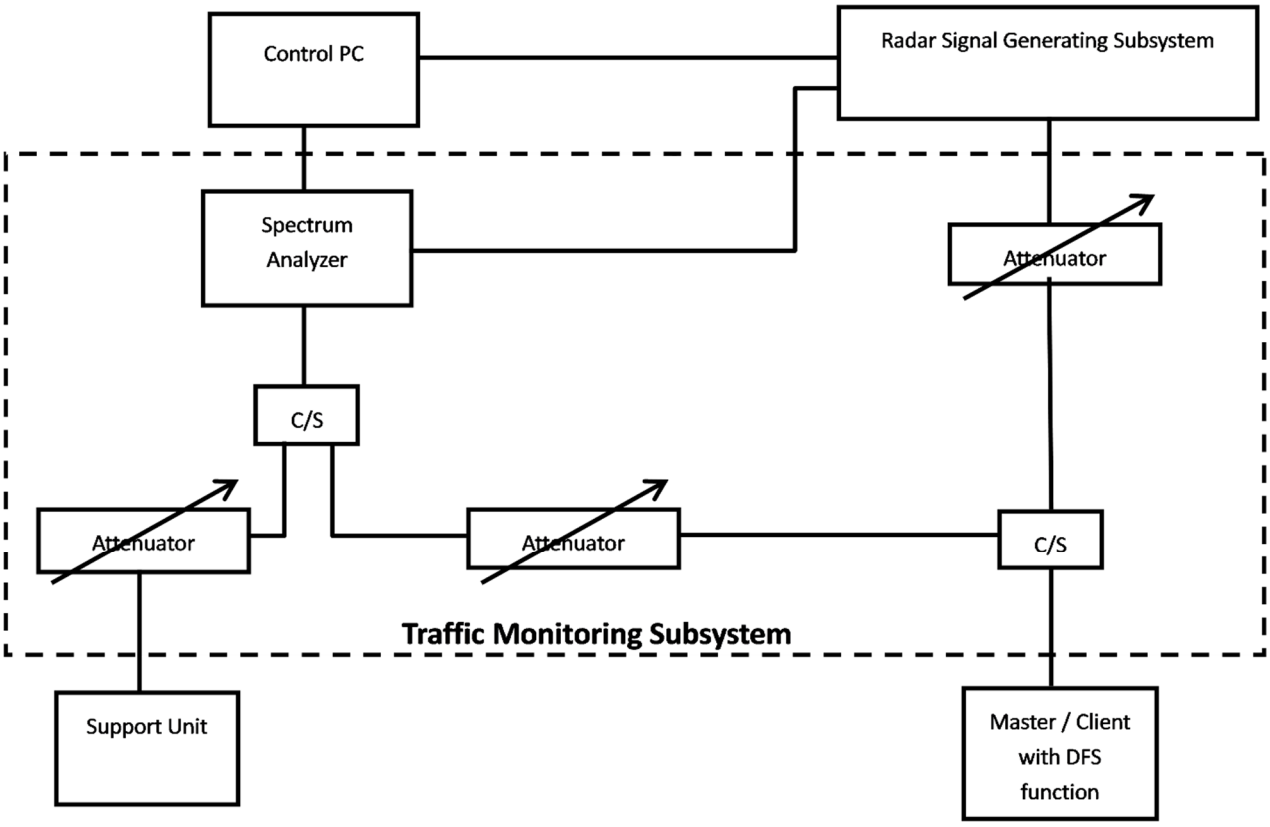
The UUT is a U-NII Device operating in Master mode. The radar test signals are injected into the Master Device.

6.2 Test Procedure

6.2.1 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 5, 6 and 7. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

Conducted Setup Configuration of DFS Measurement System



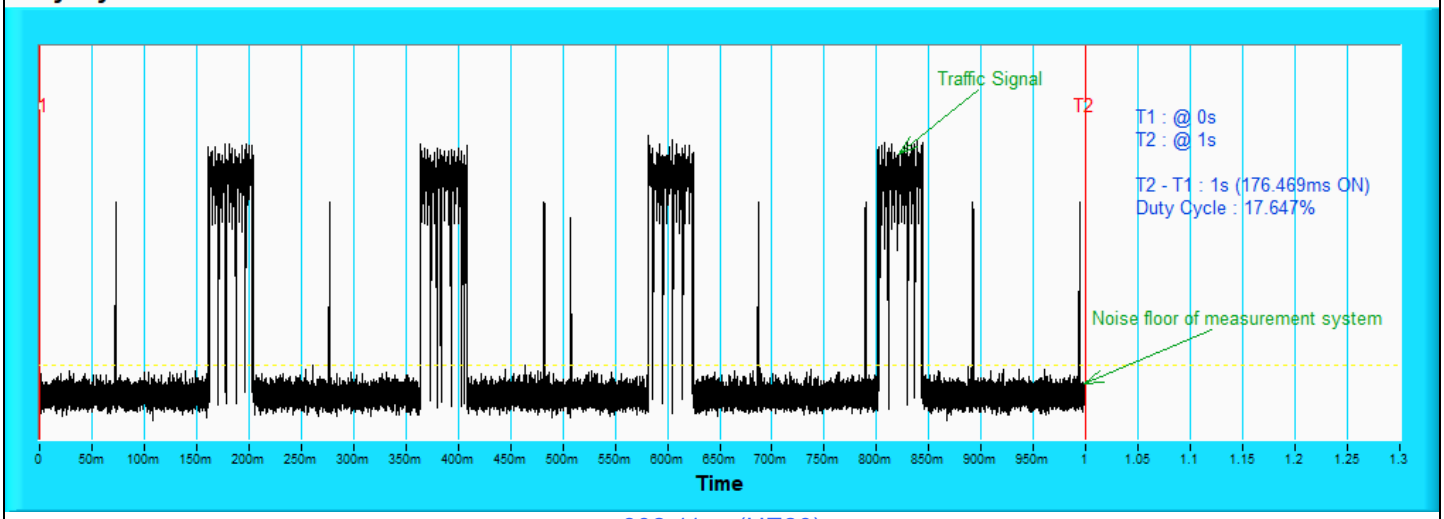
Channel Loading

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:

Applicable	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.

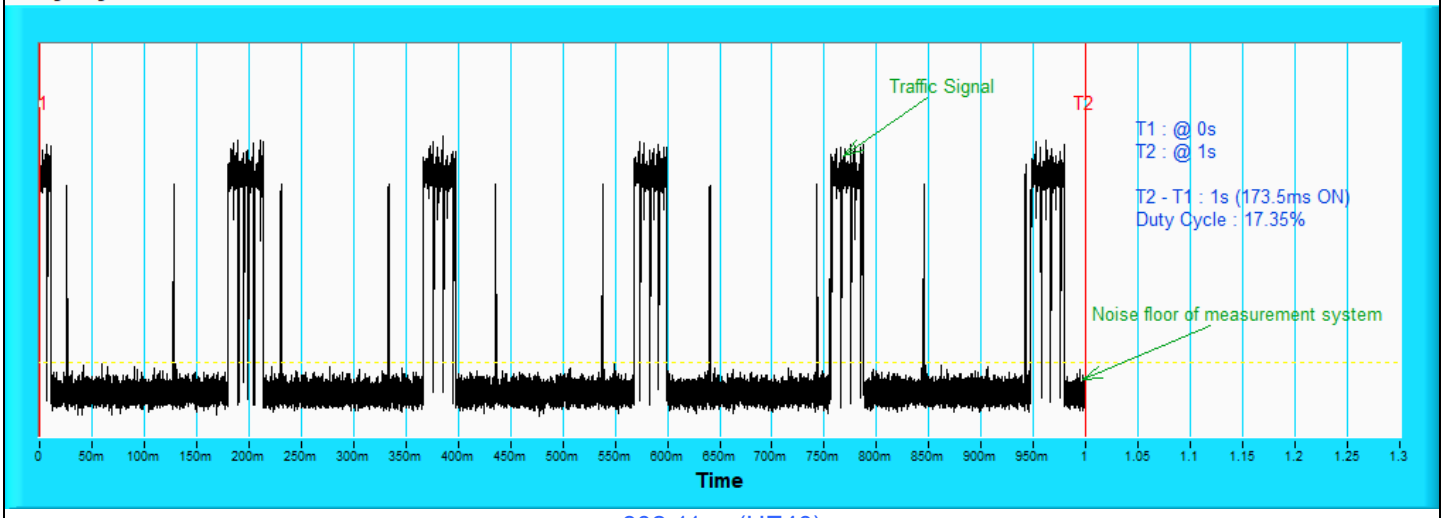
Plots of Channel Loading

Duty Cycle



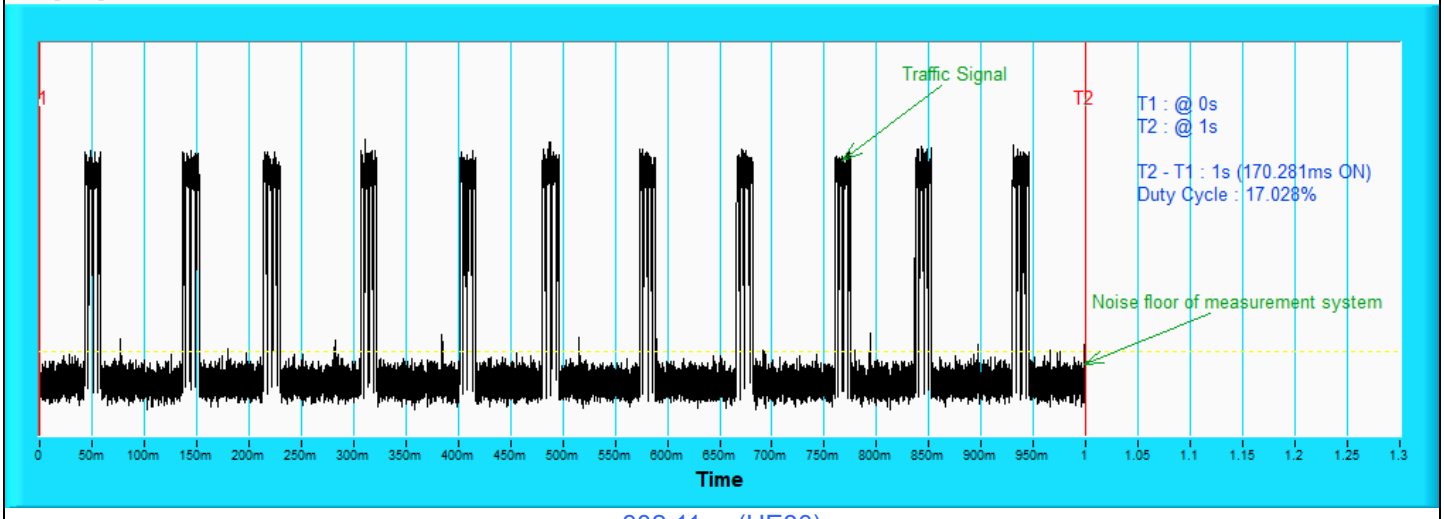
802.11ax (HE20)

Duty Cycle



802.11ax (HE40)

Duty Cycle



802.11ax (HE80)

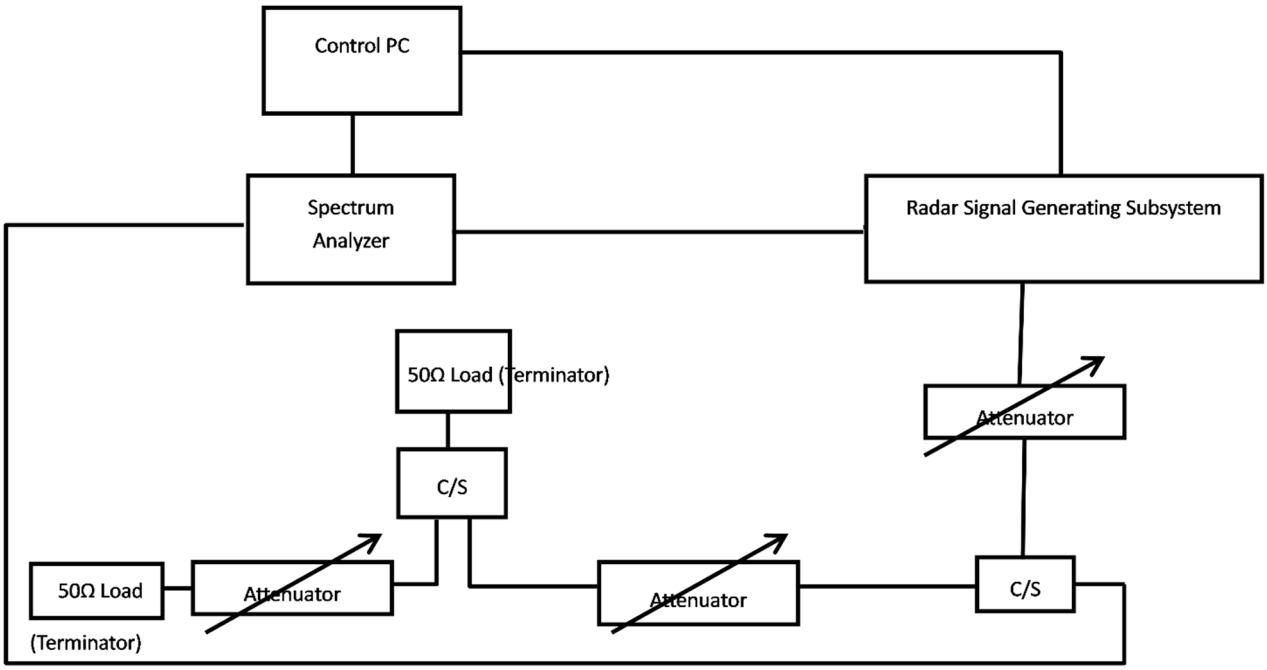
Note 1: Traffic signal: from master transmit to slave.
Note 2: DFS test data rate is MCS0 in engineering mode.

6.2.2 Calibration of DFS Detection Threshold Level

The measured channel is chosen from the operating channels of the UUT within the DFS band 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.

Conducted Setup Configuration of Calibration of DFS Detection Threshold Level

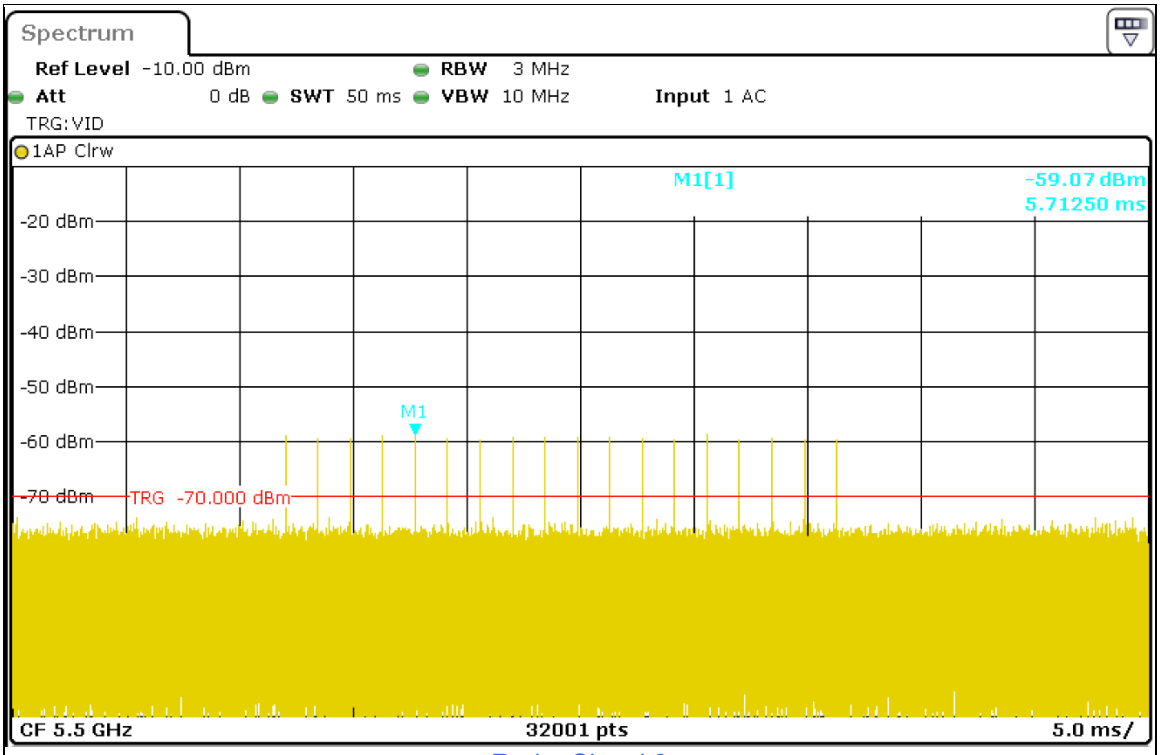
The calibrated conducted detection threshold level is set to -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



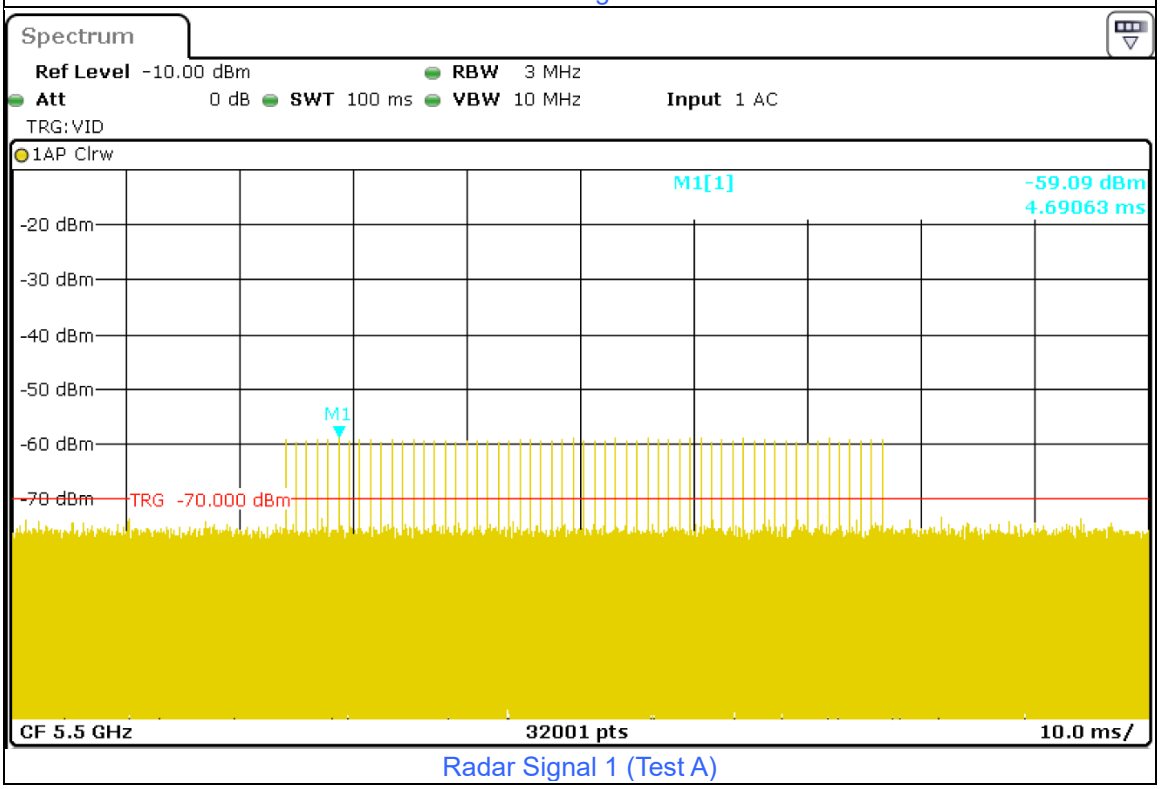
6.2.3 DFS Detection Threshold

Test Mode: Device Operating in Master Mode
The radar test waveforms are injected into the Master.

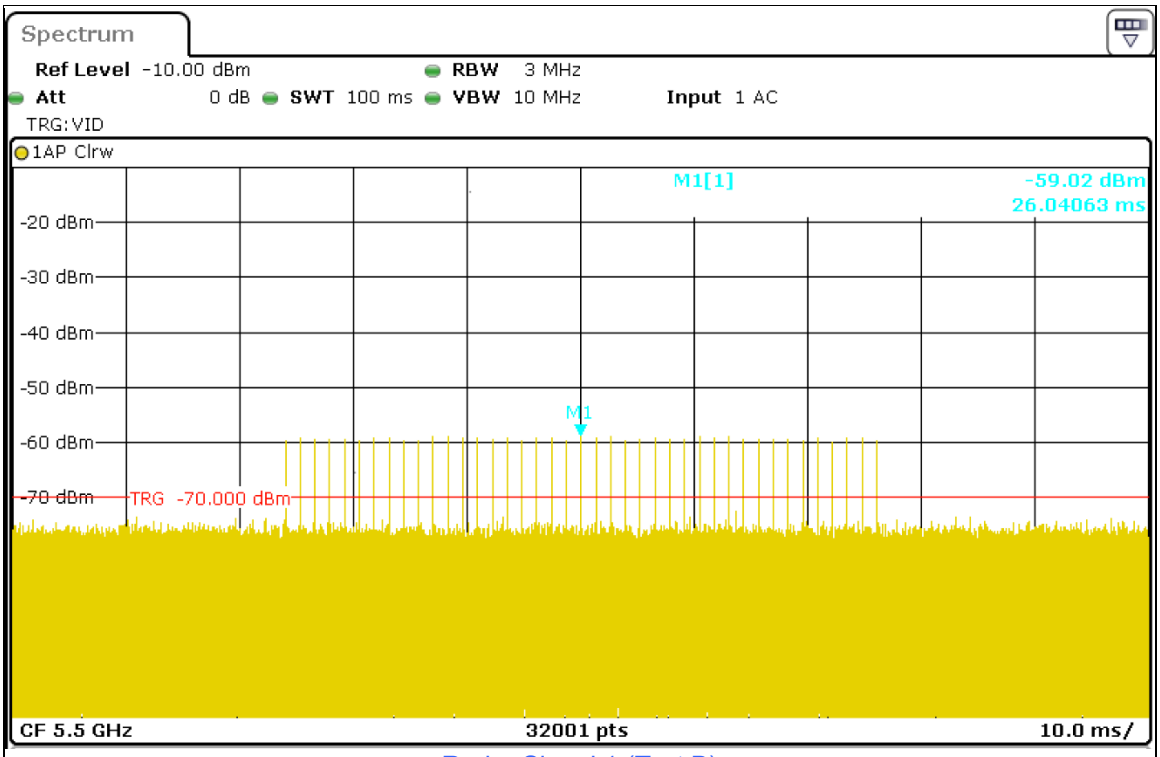
The antenna net gain is 4.15 dBi.
DFS Detection Threshold = -64 dBm + 4.15 dBi + 1 dB = -58.85 dBm
The calibrated conducted detection threshold level is lower than -58.85 dBm.



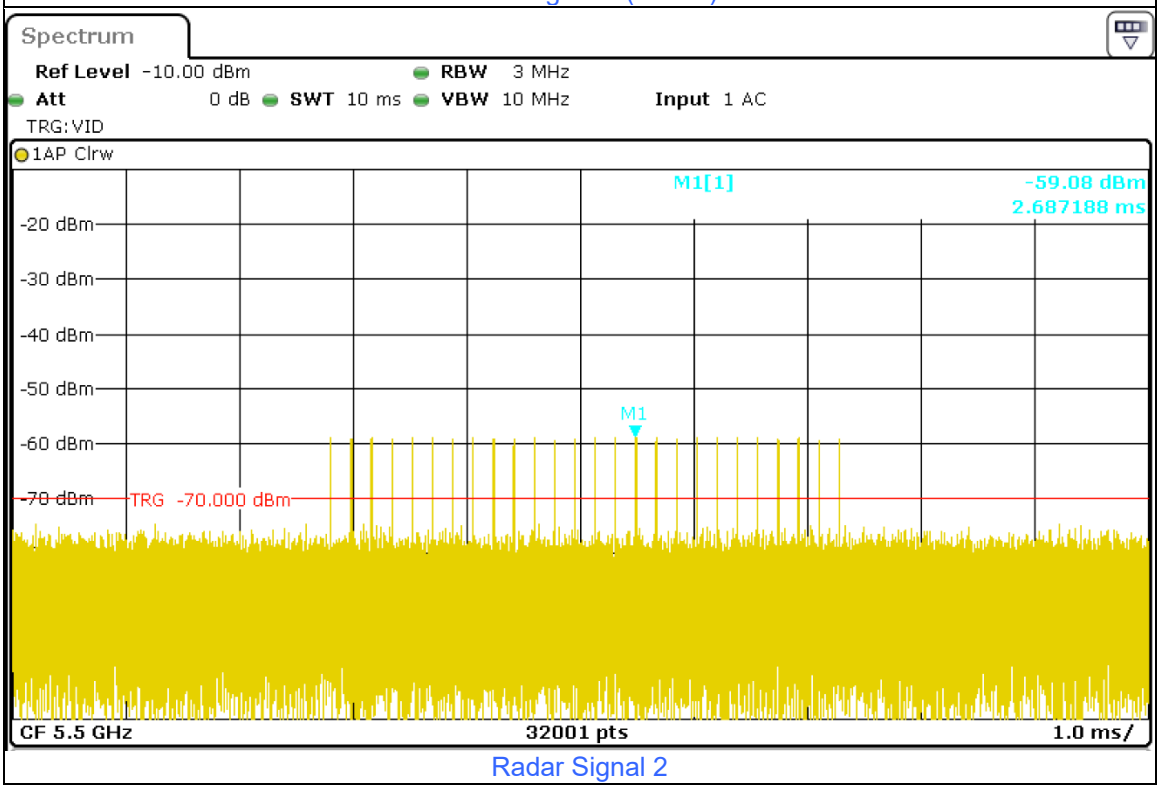
Radar Signal 0



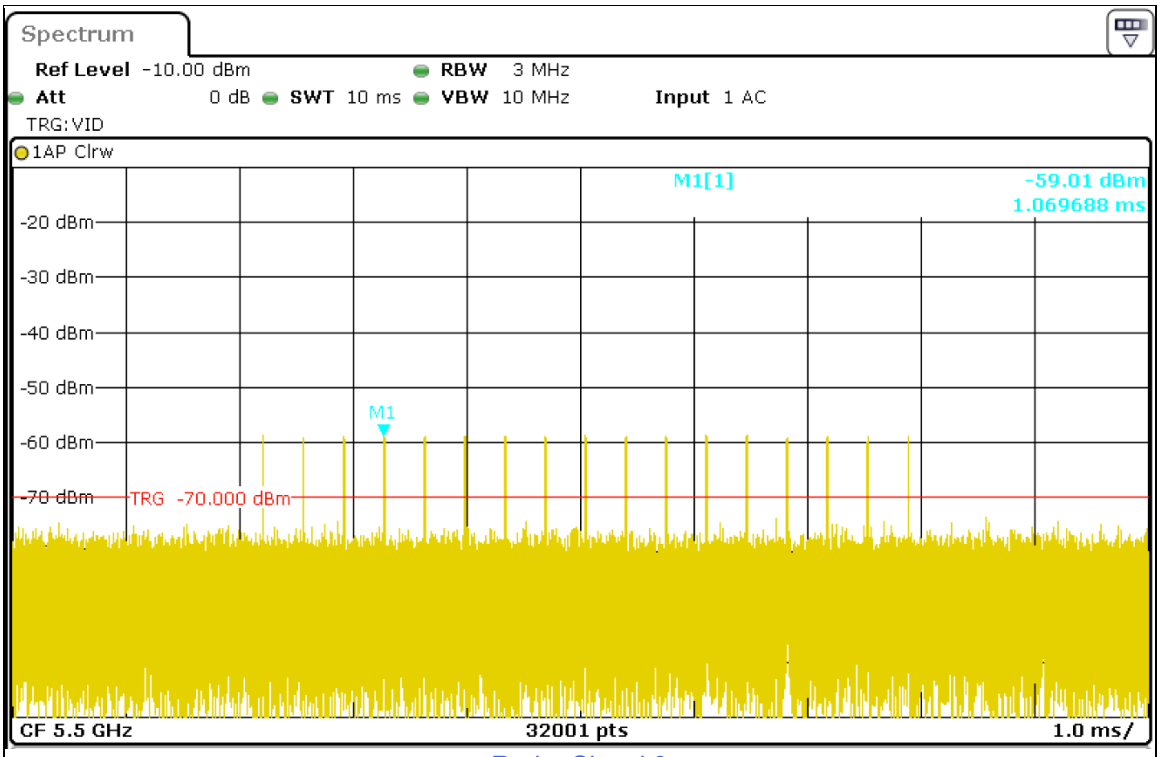
Radar Signal 1 (Test A)



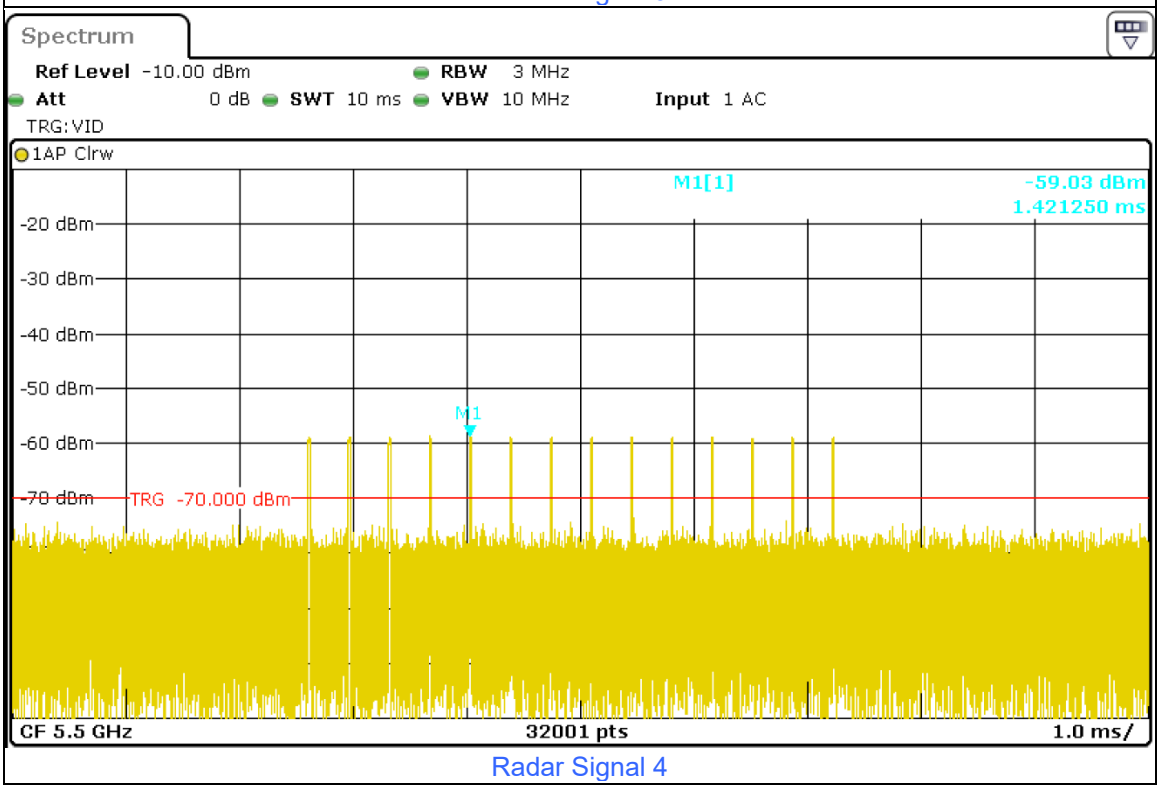
Radar Signal 1 (Test B)



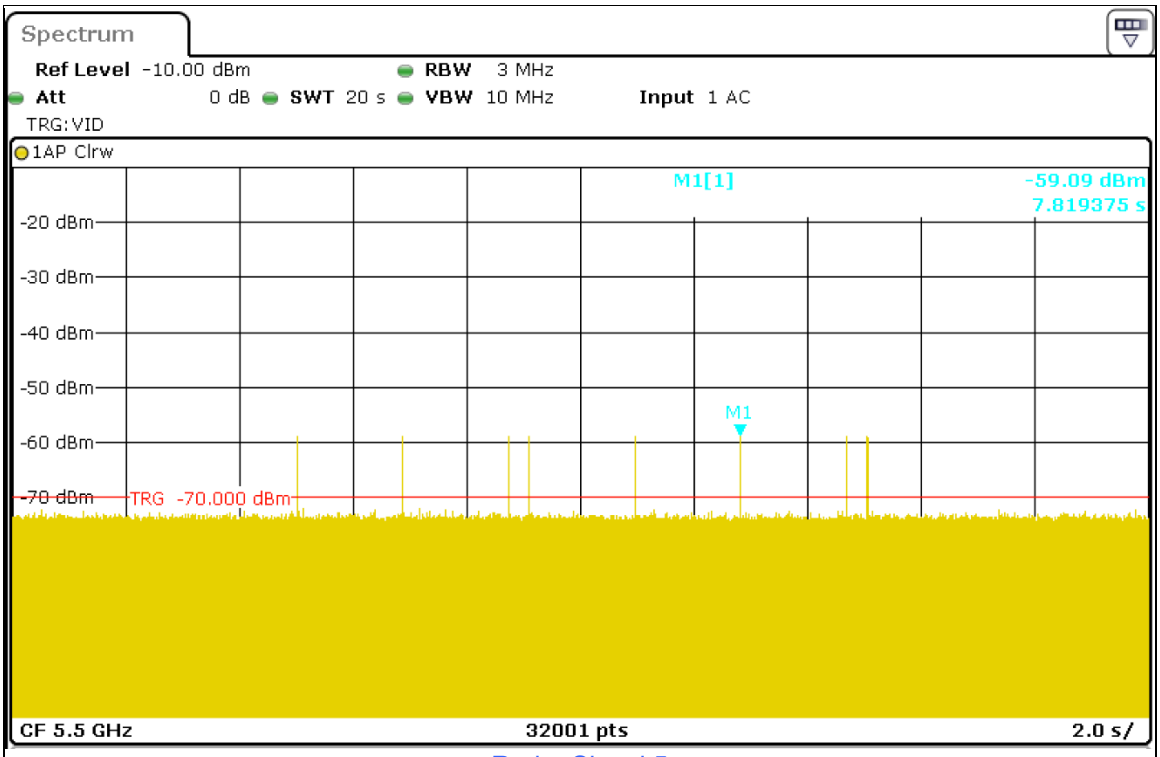
Radar Signal 2



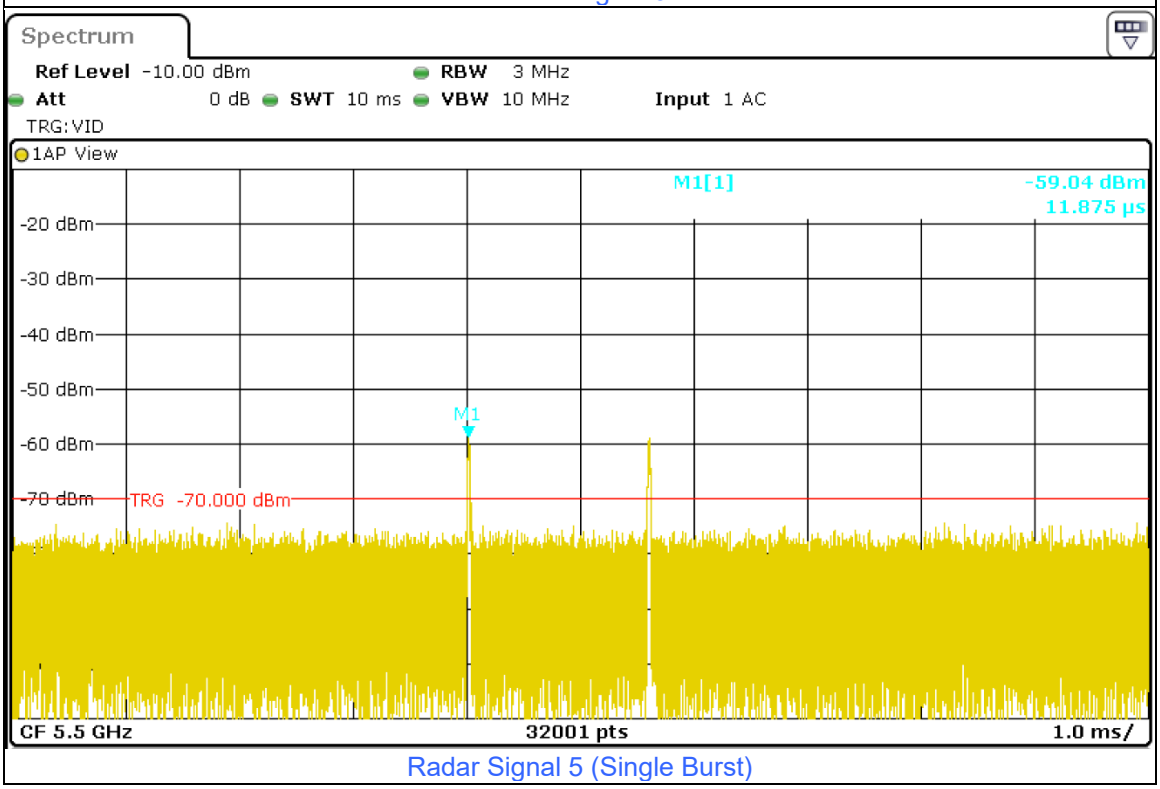
Radar Signal 3



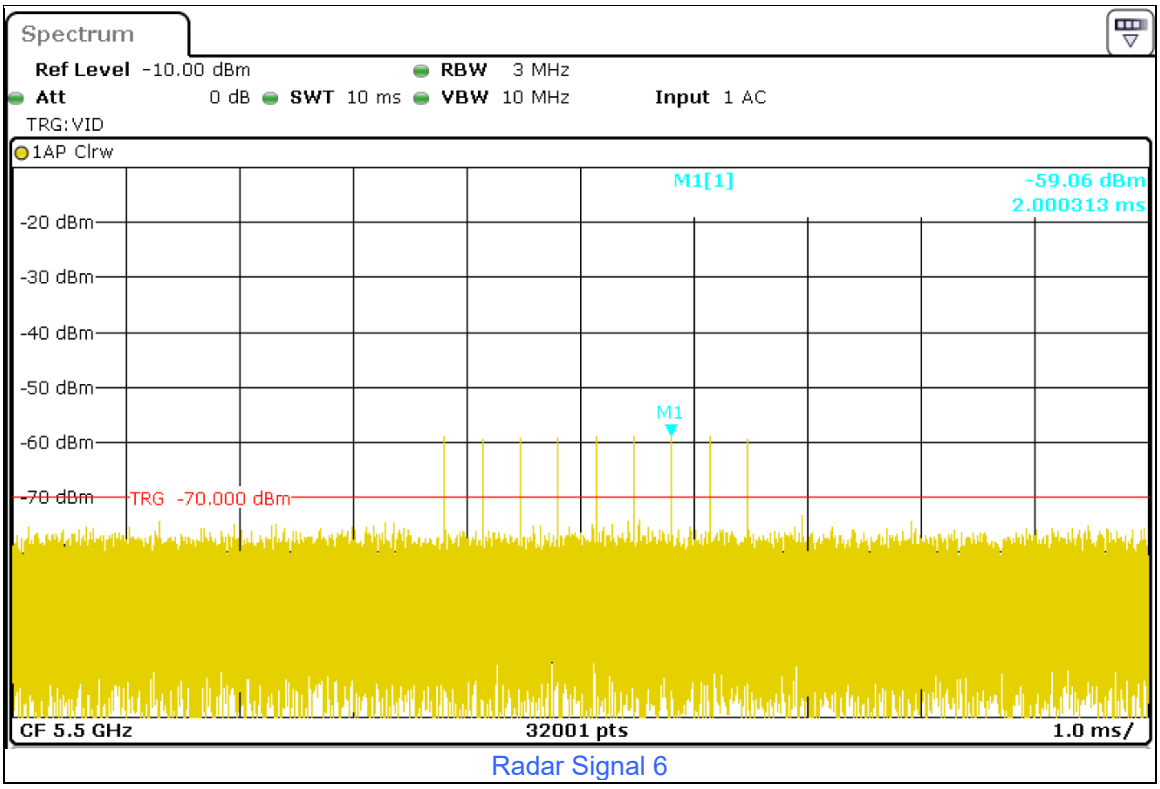
Radar Signal 4



Radar Signal 5



Radar Signal 5 (Single Burst)



Radar Signal 6

6.2.4 DFS Companion Device

Companion Device Information				
Product	**Brand**	**Model No.**	**FCC ID**	**Software/Firmware Version**
Wireless Module	Intel	BE200	PD9BE200NG	23.40.0.4

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

7 Test Results of Test Item

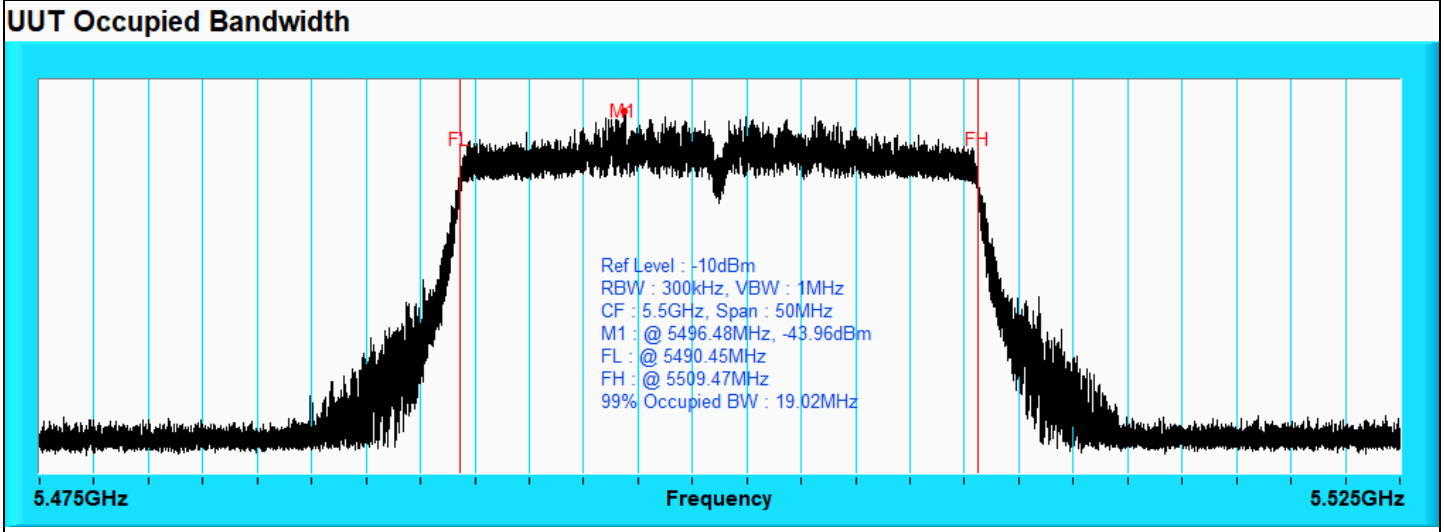
7.1 U-NII Detection Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Stan Shih

For 802.11ax (HE20)

Detection Bandwidth Test													
Radar Type 0 EUT Frequency: 5500 MHz Detection bandwidth limit (100% of EUT 99% Power bandwidth): 19.02 MHz Detection bandwidth (5510 MHz (FH) – 5490 MHz (FL)) : 20 MHz													
Radar Frequency (MHz)	**Trial Number / Detection**										**Detection Probability**	**Minimum Percentage of Successful Detection**	**Test Result**
	#01	**#02**	**#03**	**#04**	**#05**	**#06**	**#07**	**#08**	**#09**	**#10**			
5490 (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5510 (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass

Plots of 99% Power bandwidth



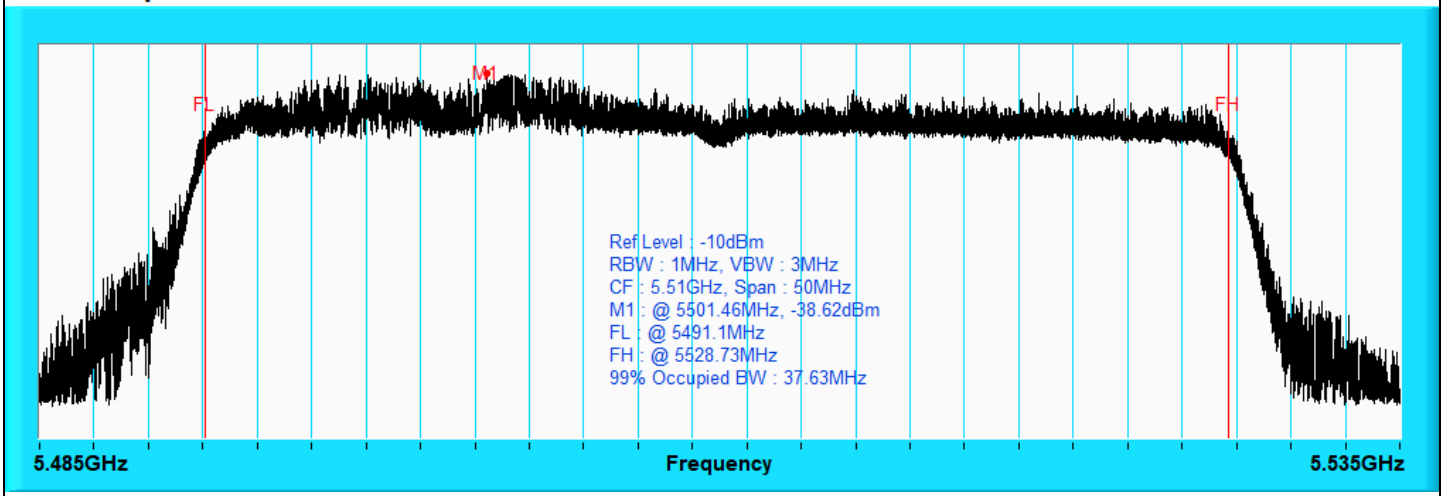
802.11ax (HE20)

802.11ax (HE40)

Detection Bandwidth Test													
Radar Type 0 EUT Frequency: 5510 MHz Detection bandwidth limit (100% of EUT 99% Power bandwidth): 37.63 MHz Detection bandwidth (5530 MHz (FH) – 5490 MHz (FL)) : 40 MHz													
Radar Frequency (MHz)	**Trial Number / Detection**										**Detection Probability**	**Minimum Detection Limit**	**Test Result**
	#01	**#02**	**#03**	**#04**	**#05**	**#06**	**#07**	**#08**	**#09**	**#10**			
5490 (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5510	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5515	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5525	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5530 (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass

Plots of 99% Power bandwidth

UUT Occupied Bandwidth



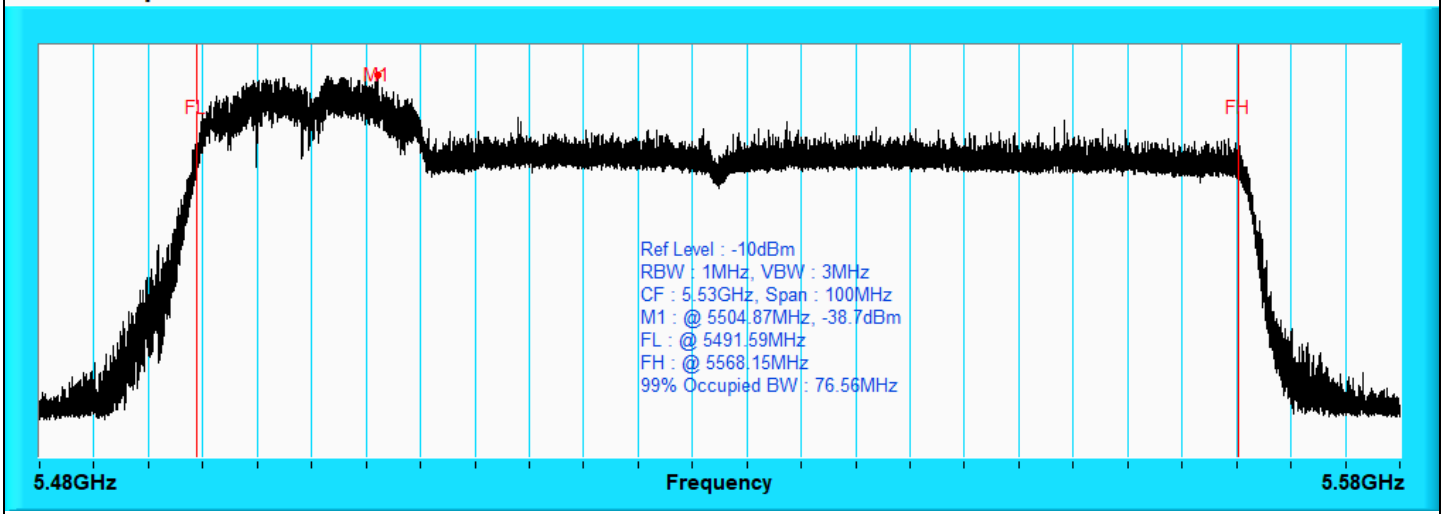
802.11ax (HE40)

802.11ax (HE80)

Detection Bandwidth Test													
Radar Type 0 EUT Frequency: 5530 MHz Detection bandwidth limit (100% of EUT 99% Power bandwidth): 76.56 MHz Detection bandwidth (5570 MHz (FH) – 5490 MHz (FL)) : 80 MHz													
Radar Frequency (MHz)	**Trial Number / Detection**										**Detection Probability**	**Minimum Detection Limit**	**Test Result**
	#01	**#02**	**#03**	**#04**	**#05**	**#06**	**#07**	**#08**	**#09**	**#10**			
5490 (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5510	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5515	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5525	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5530	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5535	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5540	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5545	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5550	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5555	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5560	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5565	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass
5570 (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100%	90%	Pass

Plots of 99% Power bandwidth

UUT Occupied Bandwidth



802.11ax (HE80)

7.2 Channel Availability Check Time

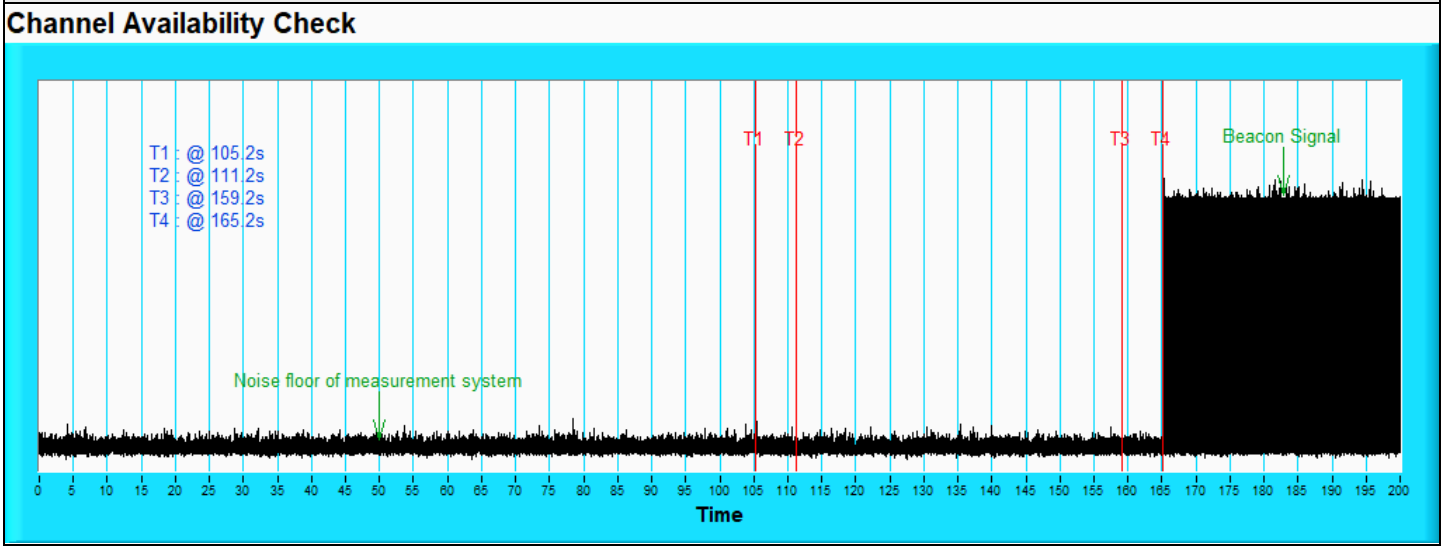
Environmental Conditions:	25°C, 60% RH	Tested By:	Stan Shih

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 0 to 6 seconds	Detected	No transmissions
Within 54 to 60 seconds	Detected	No transmissions

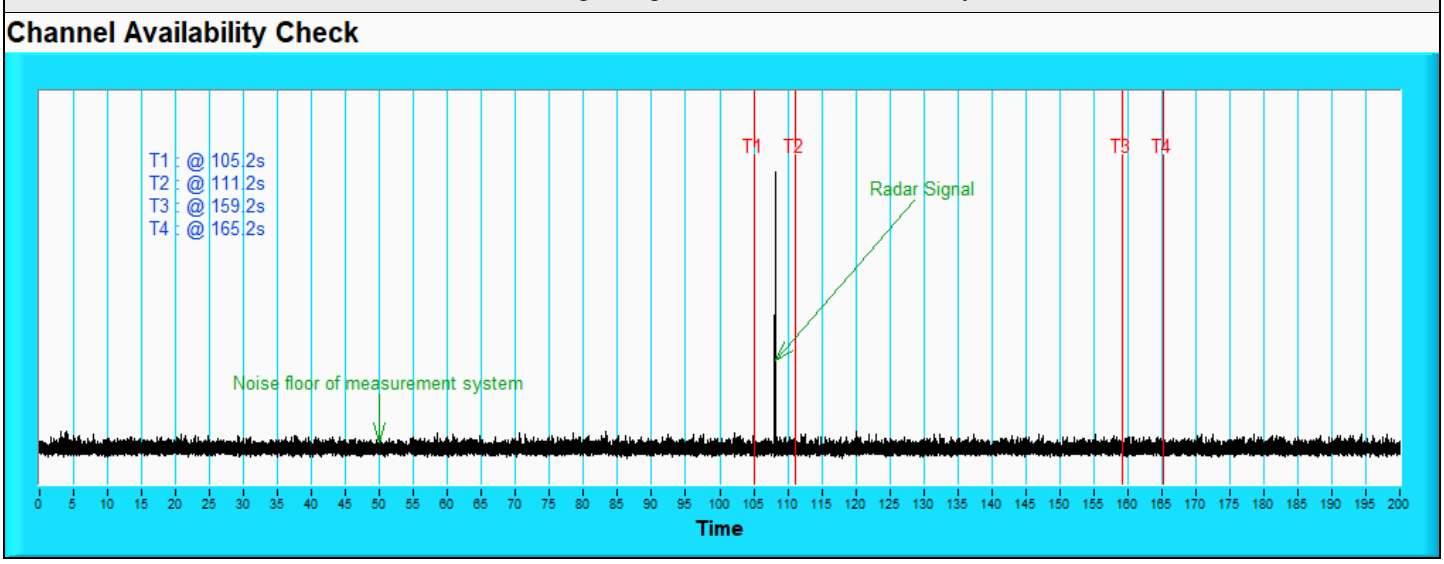
Note: Worst case channel for final “Channel Availability Check” test.

Initial Channel Availability Check Time



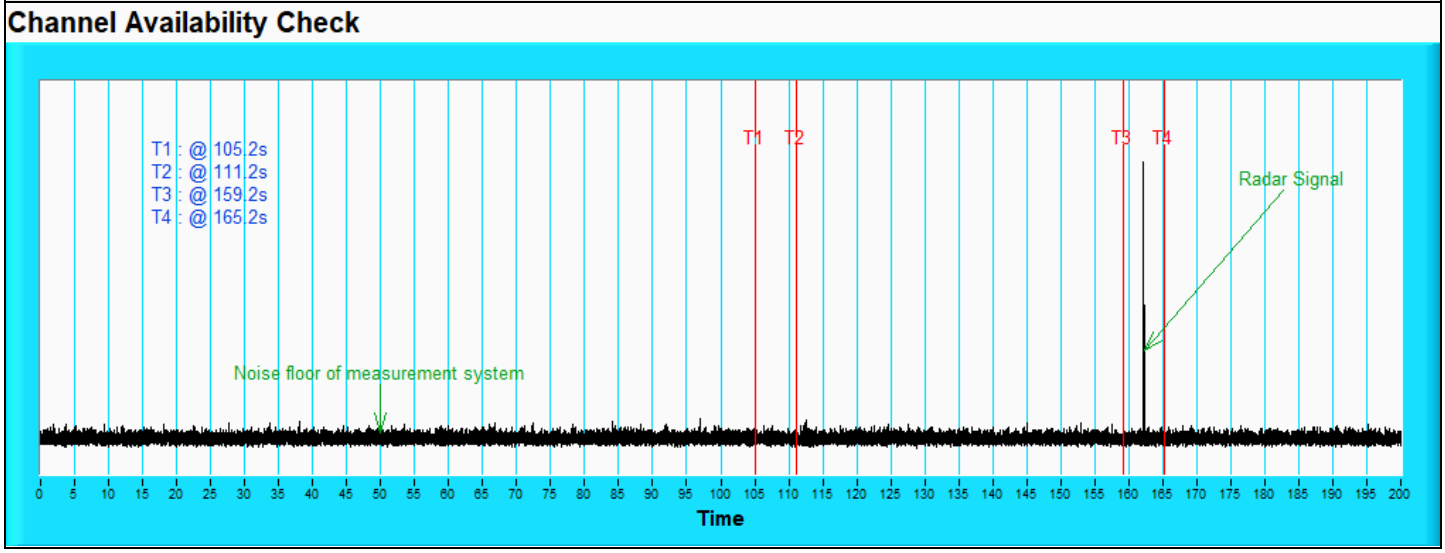
Note: T1 denotes the end of power-up time period is 105.2th second. T4 denotes the end of Channel Availability Check time is 165.2th second. Channel Availability Check time is equal to (T4 – T1) 60 seconds.

Radar Burst at the Beginning of the Channel Availability Check Time



Note: T1 denotes the end of power-up time period is 105.2th second. T2 denotes 111.2th second and the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 165.2th second.

Radar Burst at the End of the Channel Availability Check Time

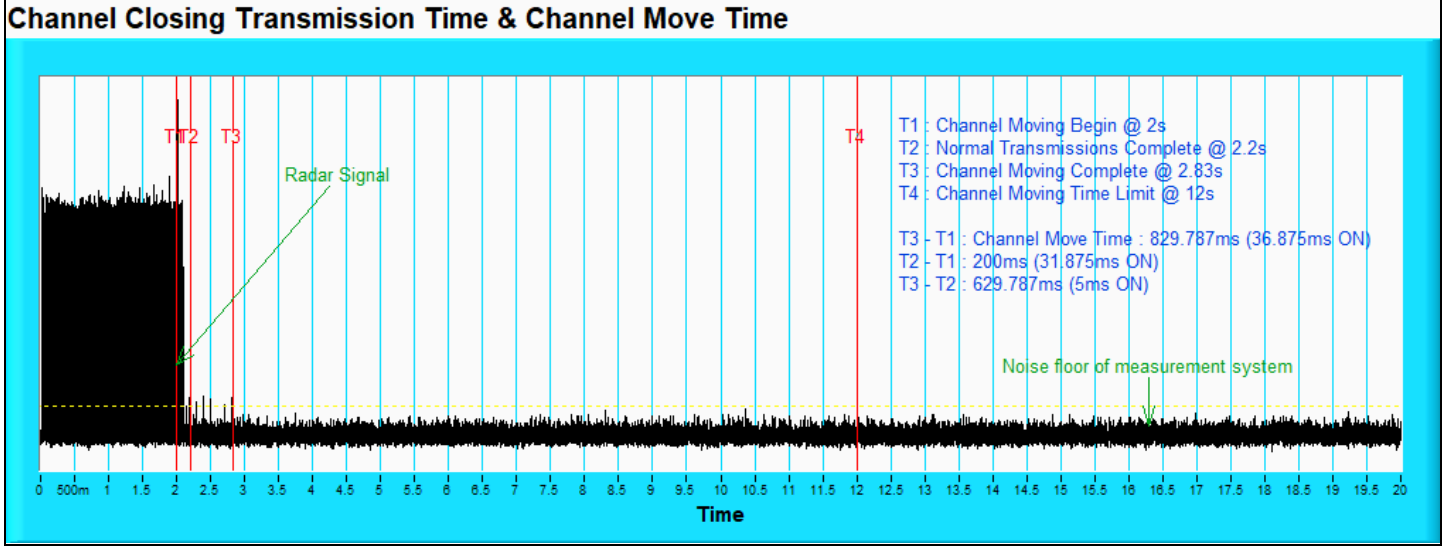


Note: T1 denotes the end of power-up time period is 105.2th second. T3 denotes 159.2th second and the radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence. T4 denotes the 165.2th second.

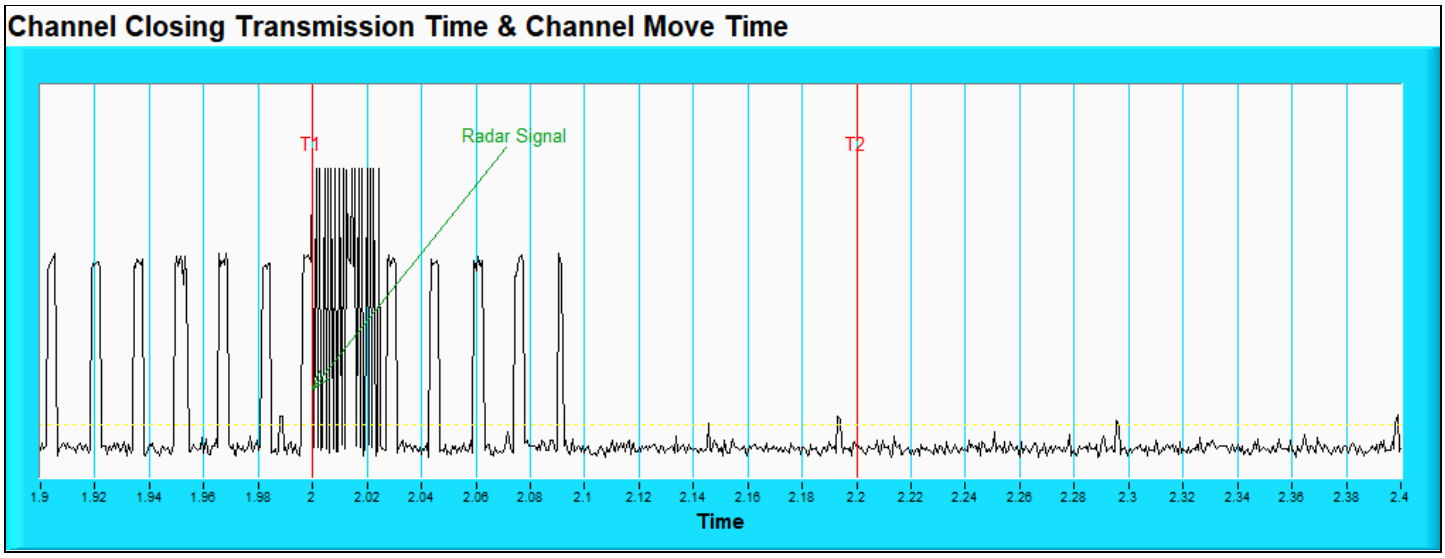
7.3 Channel Closing Transmission and Channel Move Time

Environmental Conditions:	25°C, 60% RH	Tested By:	Stan Shih

Radar signal 0

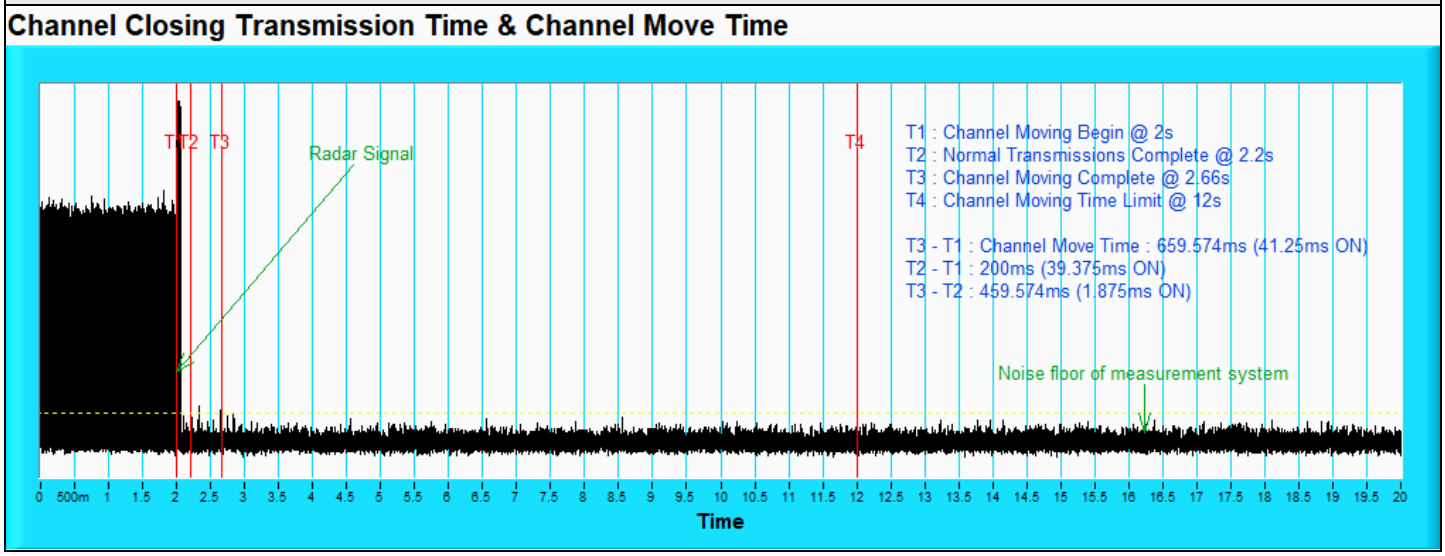


Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200 ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

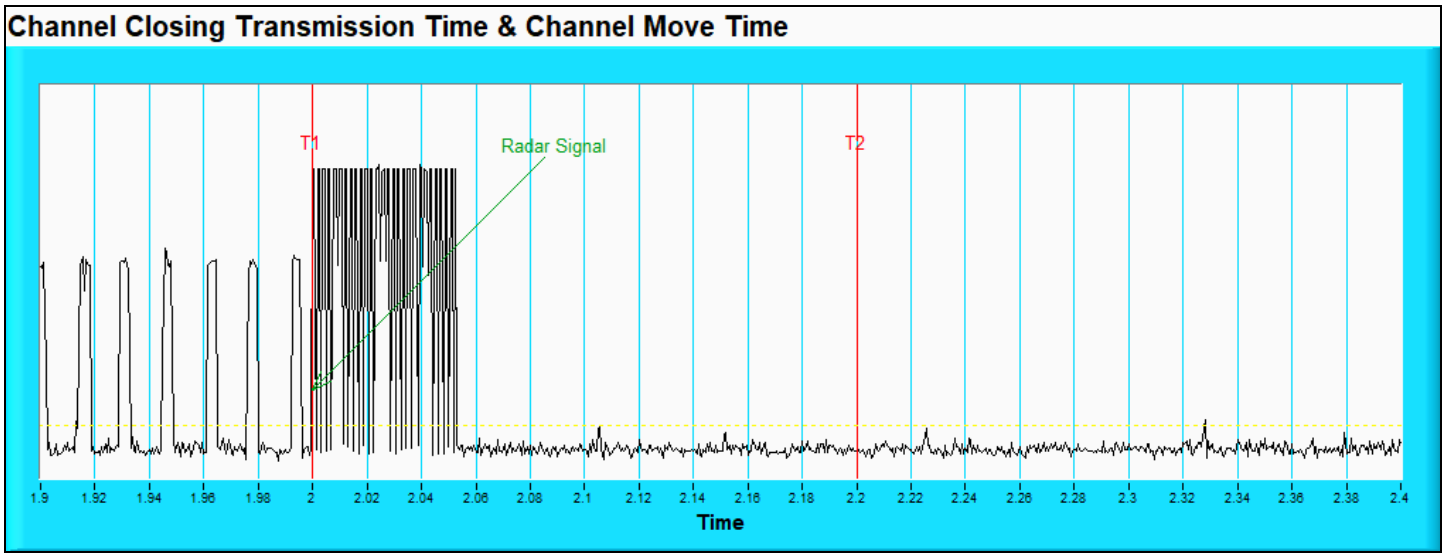


Note: Zoom in of the first 500 ms after radar signal applied.

Radar signal 1

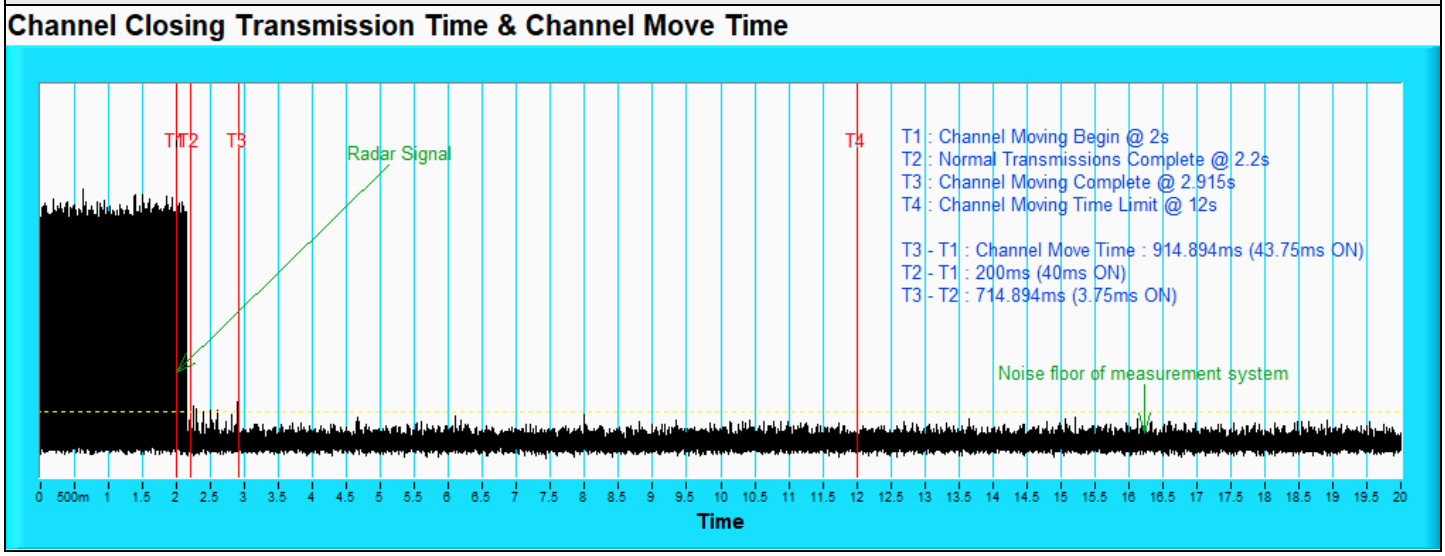


Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200 ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

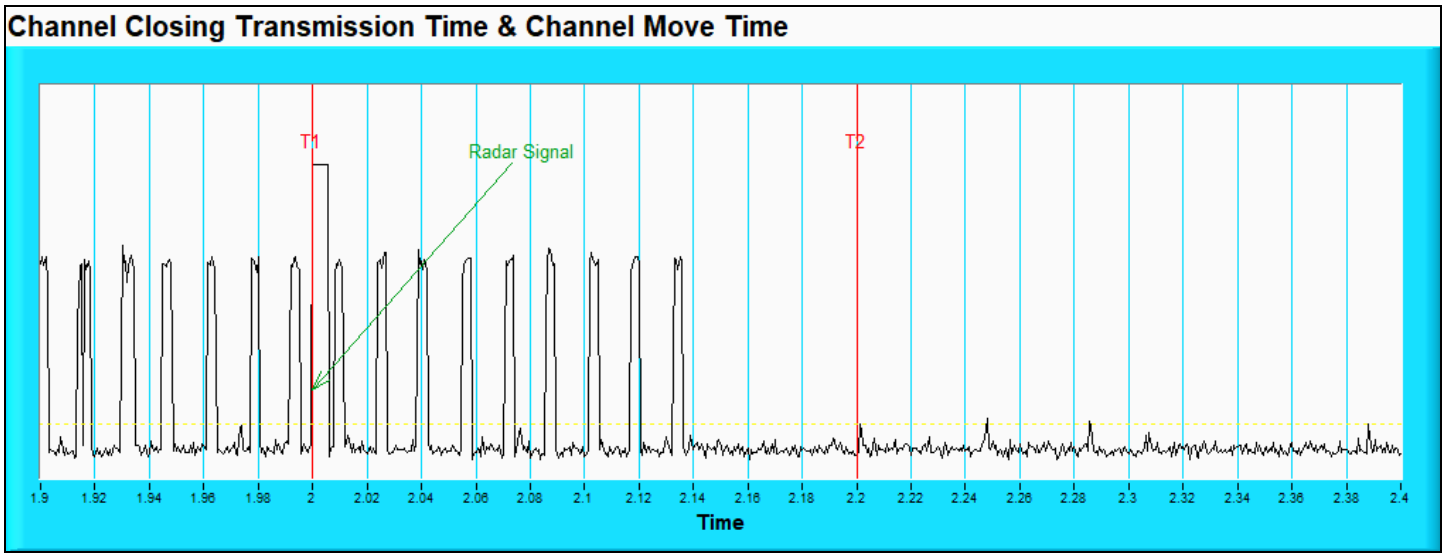


Note: Zoom in of the first 500 ms after radar signal applied.

Radar signal 2

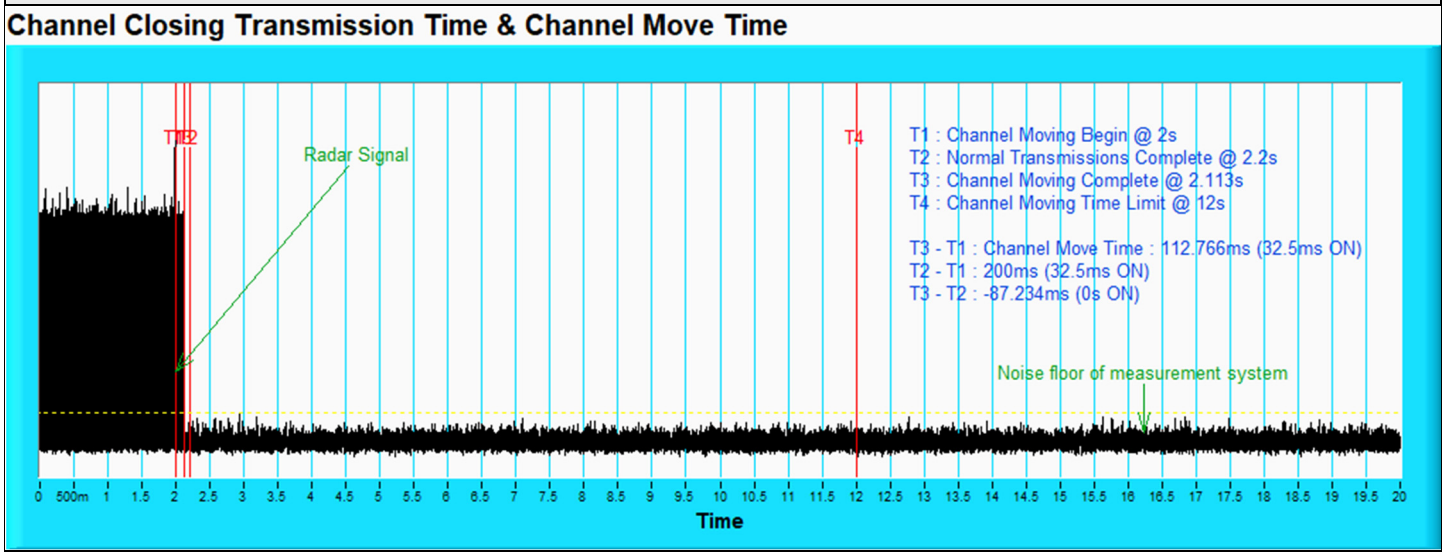


Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200 ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

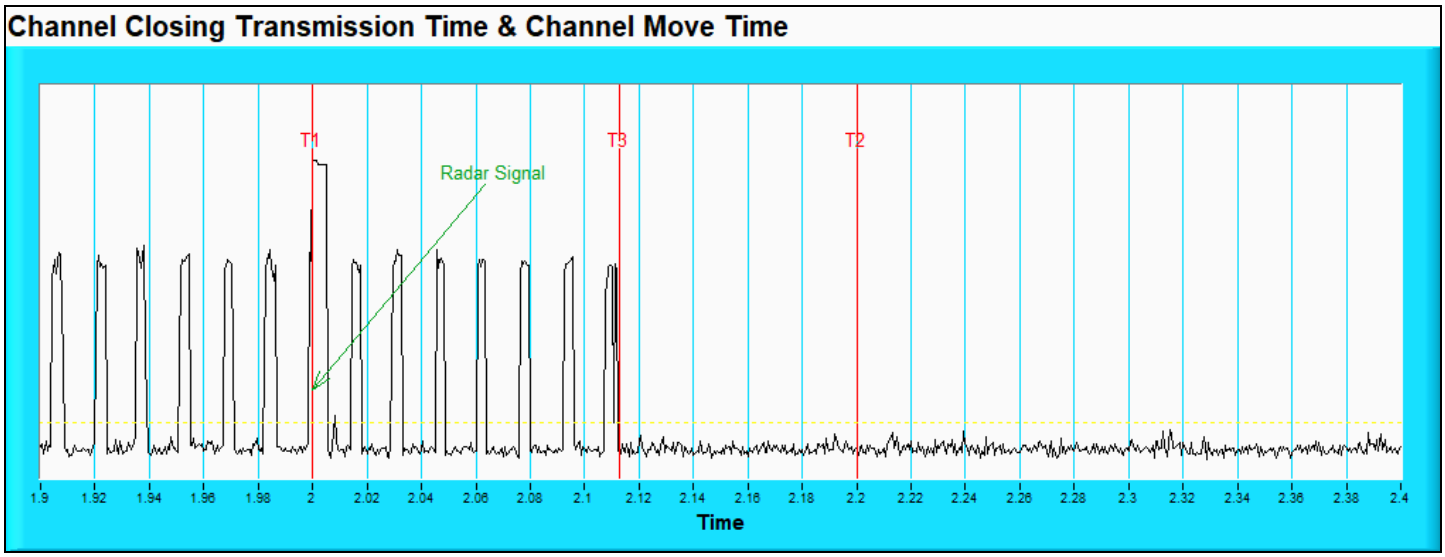


Note: Zoom in of the first 500 ms after radar signal applied.

Radar signal 3

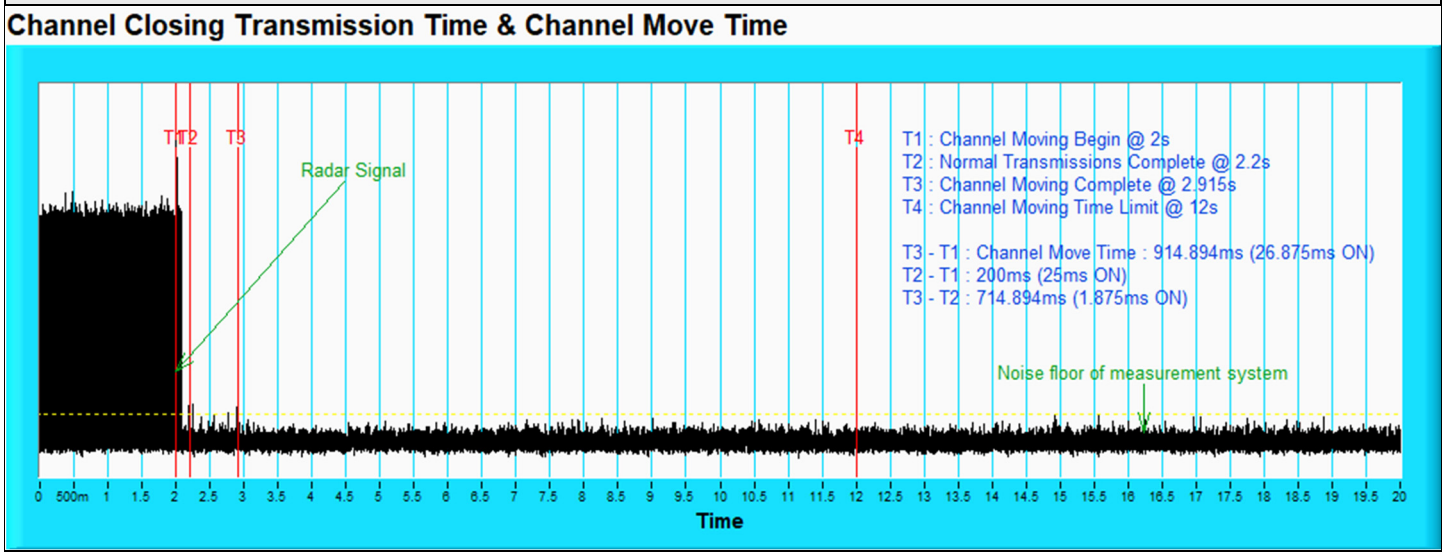


Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200 ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

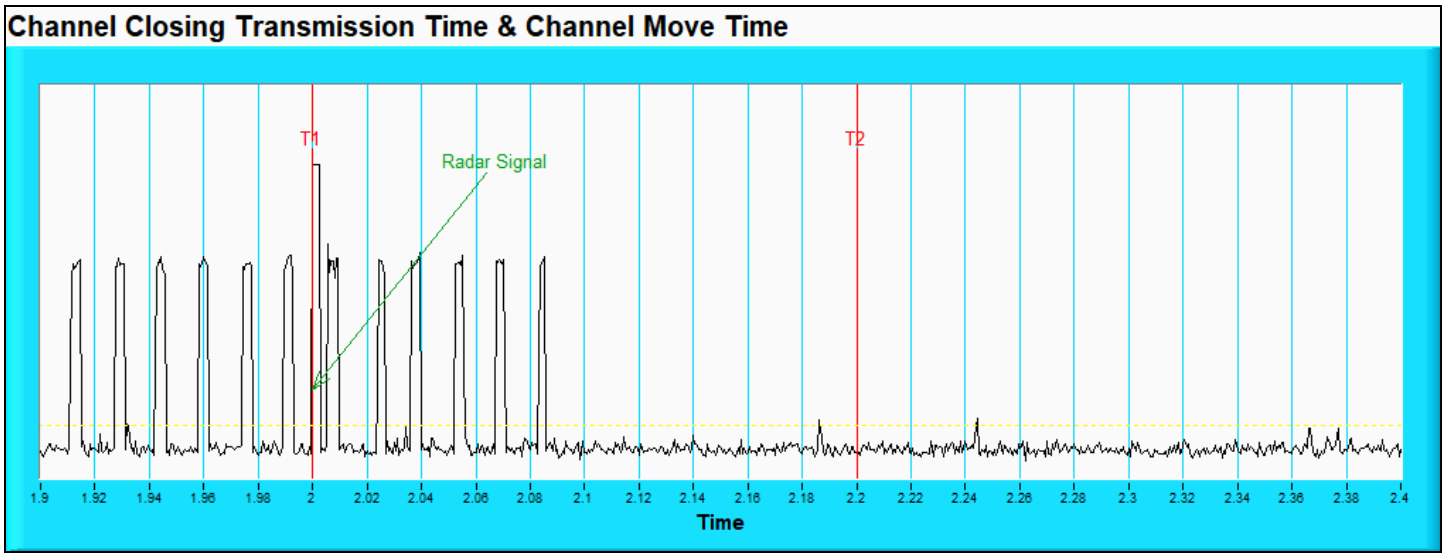


Note: Zoom in of the first 500 ms after radar signal applied.

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 200 ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



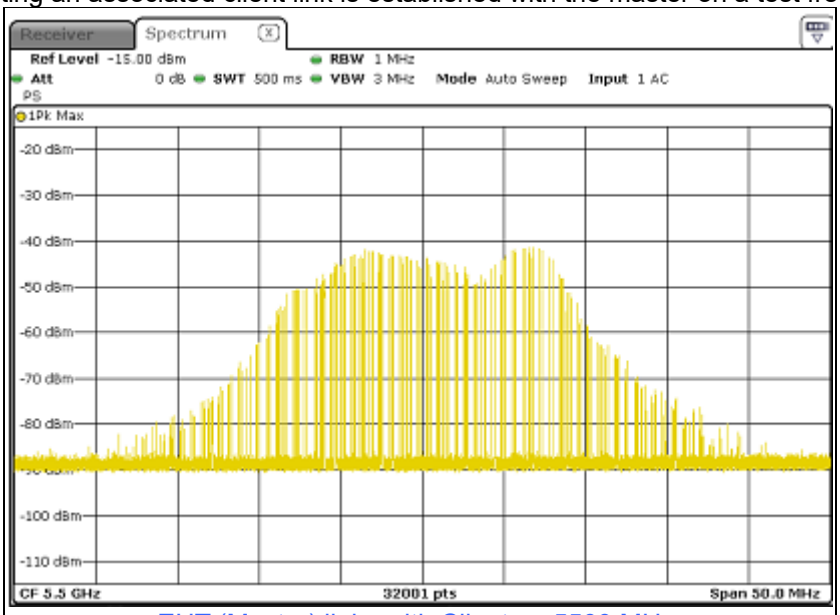
Note: Zoom in of the first 500 ms after radar signal applied.

7.4 Non-Occupancy Period

Environmental Conditions:	25°C, 60% RH	Tested By:	Stan Shih

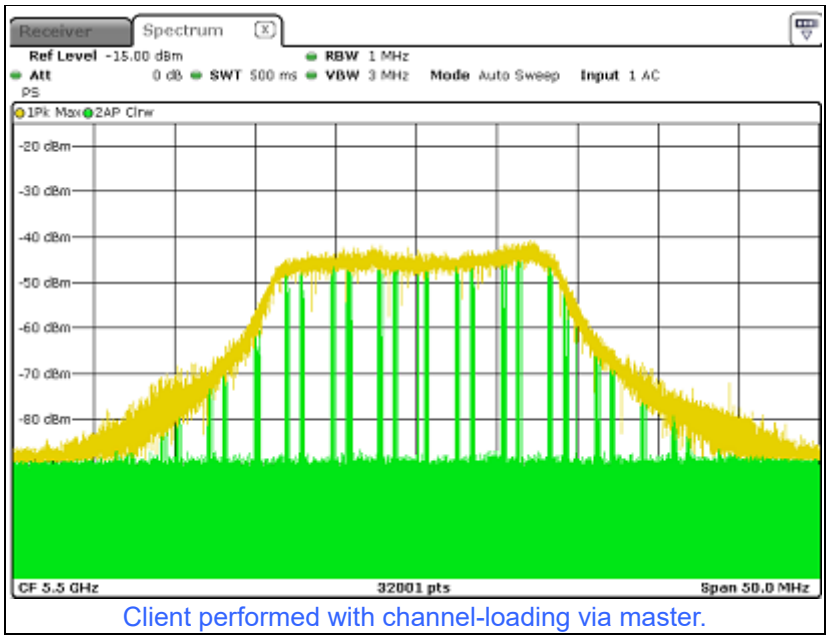
For Associated Test

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



EUT (Master) links with Client on 5500 MHz.

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.

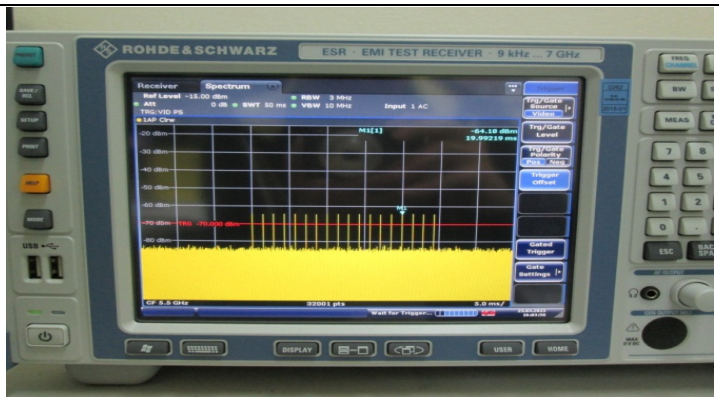


Client performed with channel-loading via master.

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

	Trial Id	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
Download	0	Type 0	1.0	1428.0	18	25704.0
Download	1	Type 0	1.0	1428.0	18	25704.0
Download	2	Type 0	1.0	1428.0	18	25704.0
Download	3	Type 0	1.0	1428.0	18	25704.0
Download	4	Type 0	1.0	1428.0	18	25704.0
Download	5	Type 0	1.0	1428.0	18	25704.0
Download	6	Type 0	1.0	1428.0	18	25704.0
Download	7	Type 0	1.0	1428.0	18	25704.0
Download	8	Type 0	1.0	1428.0	18	25704.0
Download	9	Type 0	1.0	1428.0	18	25704.0
Download	10	Type 0	1.0	1428.0	18	25704.0
Download	11	Type 0	1.0	1428.0	18	25704.0
Download	12	Type 0	1.0	1428.0	18	25704.0
Download	13	Type 0	1.0	1428.0	18	25704.0
Download	14	Type 0	1.0	1428.0	18	25704.0
Download	15	Type 0	1.0	1428.0	18	25704.0
Download	16	Type 0	1.0	1428.0	18	25704.0

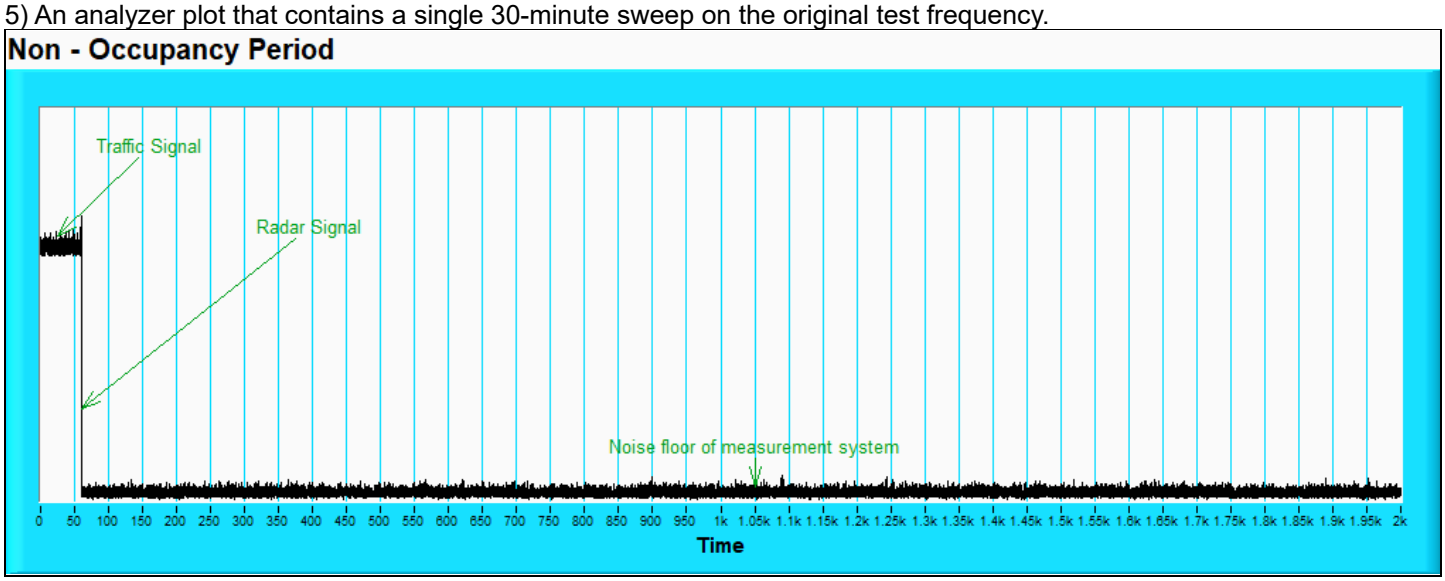
DFS Test Tool



Radar 0 is used to test during DFS test

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.



7.5 Statistical Performance Check

Environmental Conditions:	25°C, 60% RH	Tested By:	Stan Shih

Radar Type	Number of Trials (Times)	Percentage of Successful Detection			Minimum Percentage of Successful Detection	Test Result
		802.11ax (HE20)	802.11ax (HE40)	802.11ax (HE80)		
1	30	100.0%	96.7%	96.7%	60%	Pass
2	30	83.3%	76.7%	90.0%	60%	Pass
3	30	83.3%	80.0%	80.0%	60%	Pass
4	30	83.3%	90.0%	80.0%	60%	Pass
Aggregate (Radar Types 1-4)		87.5%	85.9%	86.7%	80%	Pass
5	30	86.7%	90.0%	86.7%	80%	Pass
6	30	100.0%	100.0%	100.0%	70%	Pass

802.11ax (HE20) 5500MHz

Type 1 Radar Statistical Performances						
Trial Id	Radar Frequency (MHz)	PRF No. (1 to 23)	PRF(pps)	Number of Pulses	PRI (us)	Detection
1	5497	22	1066.1	57	938	Yes
2	5496	10	1432.7	76	698	Yes
3	5492	6	1618.1	86	618	Yes
4	5505	2	1858.7	99	538	Yes
5	5498	19	1139	61	878	Yes
6	5495	23	326.2	18	3066	Yes
7	5499	7	1567.4	83	638	Yes
8	5491	21	1089.3	58	918	Yes
9	5501	17	1193.3	63	838	Yes
10	5494	18	1165.5	62	858	Yes
11	5502	15	1253.1	67	798	Yes
12	5490	11	1392.8	74	718	Yes
13	5500	4	1730.1	92	578	Yes
14	5503	5	1672.2	89	598	Yes
15	5509	3	1792.1	95	558	Yes
16	5506	-	394.3	21	2536	Yes
17	5493	-	1035.2	55	966	Yes
18	5507	-	1209.2	64	827	Yes
19	5508	-	399.8	22	2501	Yes
20	5504	-	385.4	21	2595	Yes
21	5510	-	897.7	48	1114	Yes
22	5508	-	768	41	1302	Yes
23	5496	-	328.4	18	3045	Yes
24	5497	-	615.8	33	1624	Yes
25	5498	-	347.5	19	2878	Yes
26	5503	-	973.7	52	1027	Yes
27	5507	-	402.4	22	2485	Yes
28	5499	-	625	33	1600	Yes
29	5492	-	853.2	46	1172	Yes
30	5501	-	849.6	45	1177	Yes
Detection Rate: 100%						

802.11ax (HE20) 5500MHz

Type 2 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5497	26	3.2	179	Yes
2	5509	23	1.1	207	Yes
3	5504	24	2.1	230	Yes
4	5493	29	4.8	200	Yes
5	5501	28	3.9	214	Yes
6	5494	26	2.9	222	Yes
7	5500	26	3.2	204	Yes
8	5490	25	2.5	192	Yes
9	5503	26	3.1	164	Yes
10	5498	23	1.2	156	Yes
11	5492	27	3.9	210	Yes
12	5505	29	4.6	201	No
13	5495	26	3.2	162	No
14	5496	25	2.2	197	Yes
15	5502	29	4.5	163	Yes
16	5506	26	3	203	Yes
17	5508	29	5	168	No
18	5510	25	2.4	217	Yes
19	5499	26	2.9	191	Yes
20	5491	25	2.3	166	Yes
21	5507	27	3.7	150	Yes
22	5497	25	2.2	176	No
23	5508	29	4.9	195	No
24	5504	26	2.9	202	Yes
25	5509	25	2.5	178	Yes
26	5491	23	1.1	206	Yes
27	5510	27	3.8	155	Yes
28	5490	29	4.7	157	Yes
29	5495	25	2.4	224	Yes
30	5502	28	4.2	159	Yes
Detection Rate: 83.3%					

802.11ax (HE20) 5500MHz

Type 3 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5507	17	8.2	355	No
2	5492	16	6.1	487	Yes
3	5491	16	7.1	344	Yes
4	5509	18	9.8	288	Yes
5	5510	18	8.9	230	Yes
6	5490	17	7.9	432	Yes
7	5501	17	8.2	207	Yes
8	5496	17	7.5	443	Yes
9	5503	17	8.1	439	Yes
10	5505	16	6.2	223	Yes
11	5494	18	8.9	208	Yes
12	5497	18	9.6	463	Yes
13	5502	17	8.2	441	No
14	5504	16	7.2	323	No
15	5508	18	9.5	297	Yes
16	5506	17	8	412	Yes
17	5499	18	10	324	Yes
18	5495	17	7.4	271	No
19	5500	17	7.9	349	Yes
20	5493	16	7.3	409	Yes
21	5498	18	8.7	373	Yes
22	5507	16	7.2	254	Yes
23	5492	18	9.9	274	Yes
24	5509	17	7.9	278	Yes
25	5493	17	7.5	317	Yes
26	5510	16	6.1	260	Yes
27	5506	18	8.8	211	No
28	5496	18	9.7	272	Yes
29	5495	17	7.4	264	Yes
30	5503	18	9.2	284	Yes
Detection Rate: 83.3%					

802.11ax (HE20) 5500MHz

Type 4 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5504	14	16	355	No
2	5509	12	11.3	487	No
3	5494	13	13.5	344	Yes
4	5493	16	19.4	288	Yes
5	5499	15	17.5	230	No
6	5506	14	15.3	432	Yes
7	5498	14	15.9	207	Yes
8	5503	13	14.3	443	Yes
9	5492	14	15.8	439	Yes
10	5508	12	11.5	223	Yes
11	5505	15	17.4	208	Yes
12	5502	16	19	463	Yes
13	5507	14	16	441	Yes
14	5496	13	13.8	323	Yes
15	5490	16	18.9	297	Yes
16	5497	14	15.5	412	Yes
17	5491	16	19.9	324	Yes
18	5500	13	14.1	271	Yes
19	5510	14	15.2	349	Yes
20	5501	13	13.8	409	Yes
21	5495	15	17.1	373	Yes
22	5493	13	13.8	254	Yes
23	5501	16	19.8	274	Yes
24	5491	14	15.3	278	Yes
25	5505	13	14.5	317	Yes
26	5492	12	11.3	260	No
27	5500	15	17.3	211	Yes
28	5494	16	19.2	272	No
29	5503	13	14.2	264	Yes
30	5508	15	18.2	284	Yes
Detection Rate: 83.3%					

802.11ax (HE20) 5500MHz

Type 5 Radar Statistical Performances				
No.	Chirp Width (MHz)	Radar Frequency (MHz)	LP_SIGNAL_NO.	Detection
1	13	5500	LP_SIGNAL_01	No
2	5	5500	LP_SIGNAL_02	Yes
3	9	5500	LP_SIGNAL_03	No
4	19	5500	LP_SIGNAL_04	Yes
5	16	5500	LP_SIGNAL_05	Yes
6	12	5500	LP_SIGNAL_06	Yes
7	13	5500	LP_SIGNAL_07	Yes
8	10	5500	LP_SIGNAL_08	Yes
9	13	5500	LP_SIGNAL_09	Yes
10	6	5500	LP_SIGNAL_10	Yes
11	16	5496.85	LP_SIGNAL_11	No
12	19	5498.05	LP_SIGNAL_12	Yes
13	13	5495.65	LP_SIGNAL_13	Yes
14	10	5494.45	LP_SIGNAL_14	Yes
15	18	5497.65	LP_SIGNAL_15	Yes
16	12	5495.25	LP_SIGNAL_16	Yes
17	20	5498.45	LP_SIGNAL_17	No
18	10	5494.45	LP_SIGNAL_18	Yes
19	12	5495.25	LP_SIGNAL_19	Yes
20	10	5494.45	LP_SIGNAL_20	Yes
21	15	5503.47	LP_SIGNAL_21	Yes
22	9	5505.87	LP_SIGNAL_22	Yes
23	20	5501.47	LP_SIGNAL_23	Yes
24	12	5504.67	LP_SIGNAL_24	Yes
25	11	5505.07	LP_SIGNAL_25	Yes
26	5	5507.47	LP_SIGNAL_26	Yes
27	16	5503.07	LP_SIGNAL_27	Yes
28	19	5501.87	LP_SIGNAL_28	Yes
29	10	5505.47	LP_SIGNAL_29	Yes
30	17	5502.67	LP_SIGNAL_30	Yes
				Detection Rate: 86.7%

802.11ax (HE20) 5500MHz

Type 6 Radar Statistical Performances				
Trial Id	Pulses per HOP	Pulse Width (us)	PRI (us)	Detection
1	9	1	333.3	Yes
2	9	1	333.3	Yes
3	9	1	333.3	Yes
4	9	1	333.3	Yes
5	9	1	333.3	Yes
6	9	1	333.3	Yes
7	9	1	333.3	Yes
8	9	1	333.3	Yes
9	9	1	333.3	Yes
10	9	1	333.3	Yes
11	9	1	333.3	Yes
12	9	1	333.3	Yes
13	9	1	333.3	Yes
14	9	1	333.3	Yes
15	9	1	333.3	Yes
16	9	1	333.3	Yes
17	9	1	333.3	Yes
18	9	1	333.3	Yes
19	9	1	333.3	Yes
20	9	1	333.3	Yes
21	9	1	333.3	Yes
22	9	1	333.3	Yes
23	9	1	333.3	Yes
24	9	1	333.3	Yes
25	9	1	333.3	Yes
26	9	1	333.3	Yes
27	9	1	333.3	Yes
28	9	1	333.3	Yes
29	9	1	333.3	Yes
30	9	1	333.3	Yes
				Detection Rate: 100%

802.11ax (HE40) 5510MHz

Type 1 Radar Statistical Performances						
Trial Id	Radar Frequency (MHz)	PRF No. (1 to 23)	PRF(pps)	Number of Pulses	PRI (us)	Detection
1	5491	23	326.2	18	3066	Yes
2	5528	9	1474.9	78	678	Yes
3	5494	16	1222.5	65	818	Yes
4	5496	5	1672.2	89	598	Yes
5	5499	7	1567.4	83	638	Yes
6	5520	15	1253.1	67	798	Yes
7	5511	12	1355	72	738	Yes
8	5516	20	1113.6	59	898	Yes
9	5512	11	1392.8	74	718	Yes
10	5492	3	1792.1	95	558	Yes
11	5527	19	1139	61	878	Yes
12	5505	17	1193.3	63	838	Yes
13	5498	2	1858.7	99	538	Yes
14	5515	8	1519.8	81	658	Yes
15	5529	22	1066.1	57	938	Yes
16	5502	-	1065	57	939	Yes
17	5521	-	499	27	2004	Yes
18	5525	-	627.7	34	1593	Yes
19	5504	-	636.5	34	1571	Yes
20	5506	-	1179.2	63	848	Yes
21	5510	-	370.8	20	2697	Yes
22	5530	-	590.7	32	1693	Yes
23	5500	-	557.7	30	1793	Yes
24	5514	-	989.1	53	1011	Yes
25	5497	-	349.4	19	2862	Yes
26	5503	-	997	53	1003	Yes
27	5508	-	363.5	20	2751	No
28	5517	-	492.9	27	2029	Yes
29	5518	-	1326.3	70	754	Yes
30	5501	-	803.2	43	1245	Yes
Detection Rate: 96.7%						

802.11ax (HE40) 5510MHz

Type 2 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5523	29	4.9	210	No
2	5526	24	1.7	178	Yes
3	5521	25	2.1	173	Yes
4	5493	28	4	222	Yes
5	5494	27	3.6	219	Yes
6	5500	29	5	212	No
7	5497	29	4.9	176	Yes
8	5504	23	1.1	199	Yes
9	5510	23	1.2	162	No
10	5530	29	4.5	220	No
11	5520	29	5	229	Yes
12	5498	29	5	214	Yes
13	5522	25	2.4	153	Yes
14	5503	28	4.1	197	No
15	5501	24	2	211	Yes
16	5524	29	4.6	190	Yes
17	5505	23	1	213	Yes
18	5518	25	2.4	218	Yes
19	5512	26	3.2	215	Yes
20	5509	26	3.1	157	No
21	5490	25	2.7	168	Yes
22	5508	25	2.6	227	Yes
23	5527	24	2	171	Yes
24	5513	23	1.1	158	Yes
25	5502	23	1	167	Yes
26	5511	29	4.9	150	Yes
27	5516	29	4.8	191	Yes
28	5517	25	2.3	159	Yes
29	5525	28	4.3	226	No
30	5519	26	3.3	208	Yes
Detection Rate: 76.7%					

802.11ax (HE40) 5510MHz

Type 3 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5517	18	9.9	235	No
2	5497	16	6.7	357	Yes
3	5506	16	7.1	333	Yes
4	5494	18	9	242	Yes
5	5508	17	8.6	397	Yes
6	5530	18	10	302	No
7	5507	18	9.9	203	Yes
8	5505	16	6.1	428	Yes
9	5513	16	6.2	335	Yes
10	5516	18	9.5	240	No
11	5500	18	10	224	Yes
12	5501	18	10	410	Yes
13	5502	17	7.4	359	Yes
14	5504	18	9.1	269	No
15	5521	16	7	250	Yes
16	5496	18	9.6	247	Yes
17	5519	16	6	222	Yes
18	5510	17	7.4	424	Yes
19	5498	17	8.2	393	Yes
20	5524	17	8.1	382	No
21	5525	17	7.7	486	Yes
22	5491	17	7.6	480	Yes
23	5492	16	7	360	Yes
24	5518	16	6.1	297	Yes
25	5514	16	6	265	Yes
26	5493	18	9.9	263	No
27	5523	18	9.8	324	Yes
28	5522	17	7.3	386	Yes
29	5503	18	9.3	311	Yes
30	5529	17	8.3	378	Yes
Detection Rate: 80%					

802.11ax (HE40) 5510MHz

Type 4 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5526	16	19.7	235	Yes
2	5508	12	12.7	357	Yes
3	5523	13	13.6	333	Yes
4	5522	15	17.7	242	Yes
5	5528	15	16.8	397	Yes
6	5495	16	20	302	Yes
7	5496	16	19.7	203	Yes
8	5530	12	11.3	428	No
9	5498	12	11.5	335	Yes
10	5512	16	18.8	240	Yes
11	5494	16	20	224	Yes
12	5491	16	20	410	Yes
13	5511	13	14.2	359	No
14	5529	15	18	269	No
15	5504	13	13.3	250	Yes
16	5521	16	19	247	Yes
17	5506	12	11.1	222	Yes
18	5507	13	14.2	424	Yes
19	5497	14	15.9	393	Yes
20	5519	14	15.8	382	Yes
21	5515	14	14.8	486	Yes
22	5516	13	14.6	480	Yes
23	5520	13	13.2	360	Yes
24	5517	12	11.3	297	Yes
25	5514	12	11	265	Yes
26	5493	16	19.6	263	Yes
27	5510	16	19.6	324	Yes
28	5490	13	14	386	Yes
29	5500	16	18.3	311	Yes
30	5509	14	16.1	378	Yes
Detection Rate: 90%					

802.11ax (HE40) 5510MHz

Type 5 Radar Statistical Performances				
No.	Chirp Width (MHz)	Radar Frequency (MHz)	LP_SIGNAL_NO.	Detection
1	13	5510	LP_SIGNAL_01	No
2	5	5510	LP_SIGNAL_02	Yes
3	9	5510	LP_SIGNAL_03	No
4	19	5510	LP_SIGNAL_04	Yes
5	16	5510	LP_SIGNAL_05	Yes
6	12	5510	LP_SIGNAL_06	Yes
7	13	5510	LP_SIGNAL_07	Yes
8	10	5510	LP_SIGNAL_08	Yes
9	13	5510	LP_SIGNAL_09	Yes
10	6	5510	LP_SIGNAL_10	Yes
11	16	5497.5	LP_SIGNAL_11	No
12	19	5498.7	LP_SIGNAL_12	Yes
13	13	5496.3	LP_SIGNAL_13	Yes
14	10	5495.1	LP_SIGNAL_14	Yes
15	18	5498.3	LP_SIGNAL_15	Yes
16	12	5495.9	LP_SIGNAL_16	Yes
17	20	5499.1	LP_SIGNAL_17	Yes
18	10	5495.1	LP_SIGNAL_18	Yes
19	12	5495.9	LP_SIGNAL_19	Yes
20	10	5495.1	LP_SIGNAL_20	Yes
21	15	5522.73	LP_SIGNAL_21	Yes
22	9	5525.13	LP_SIGNAL_22	Yes
23	20	5520.73	LP_SIGNAL_23	Yes
24	12	5523.93	LP_SIGNAL_24	Yes
25	11	5524.33	LP_SIGNAL_25	Yes
26	5	5526.73	LP_SIGNAL_26	Yes
27	16	5522.33	LP_SIGNAL_27	Yes
28	19	5521.13	LP_SIGNAL_28	Yes
29	10	5524.73	LP_SIGNAL_29	Yes
30	17	5521.93	LP_SIGNAL_30	Yes
Detection Rate: 90%				

802.11ax (HE40) 5510MHz

Type 6 Radar Statistical Performances				
Trial Id	Pulses per HOP	Pulse Width (us)	PRI (us)	Detection
1	9	1	333.3	Yes
2	9	1	333.3	Yes
3	9	1	333.3	Yes
4	9	1	333.3	Yes
5	9	1	333.3	Yes
6	9	1	333.3	Yes
7	9	1	333.3	Yes
8	9	1	333.3	Yes
9	9	1	333.3	Yes
10	9	1	333.3	Yes
11	9	1	333.3	Yes
12	9	1	333.3	Yes
13	9	1	333.3	Yes
14	9	1	333.3	Yes
15	9	1	333.3	Yes
16	9	1	333.3	Yes
17	9	1	333.3	Yes
18	9	1	333.3	Yes
19	9	1	333.3	Yes
20	9	1	333.3	Yes
21	9	1	333.3	Yes
22	9	1	333.3	Yes
23	9	1	333.3	Yes
24	9	1	333.3	Yes
25	9	1	333.3	Yes
26	9	1	333.3	Yes
27	9	1	333.3	Yes
28	9	1	333.3	Yes
29	9	1	333.3	Yes
30	9	1	333.3	Yes
Detection Rate: 100%				

802.11ax (HE80) 5530MHz

Type 1 Radar Statistical Performances						
Trial Id	Radar Frequency (MHz)	PRF No. (1 to 23)	PRF(pps)	Number of Pulses	PRI (us)	Detection
1	5560	18	1165.5	62	858	Yes
2	5491	20	1113.6	59	898	Yes
3	5492	8	1519.8	81	658	Yes
4	5538	19	1139	61	878	Yes
5	5549	6	1618.1	86	618	Yes
6	5514	12	1355	72	738	Yes
7	5496	5	1672.2	89	598	Yes
8	5525	7	1567.4	83	638	Yes
9	5534	22	1066.1	57	938	Yes
10	5513	2	1858.7	99	538	Yes
11	5500	9	1474.9	78	678	Yes
12	5540	14	1285.3	68	778	Yes
13	5545	21	1089.3	58	918	Yes
14	5506	10	1432.7	76	698	Yes
15	5547	3	1792.1	95	558	Yes
16	5490	-	327.8	18	3051	No
17	5539	-	425.4	23	2351	Yes
18	5563	-	1085.8	58	921	Yes
19	5504	-	643.1	34	1555	Yes
20	5509	-	386.1	21	2590	Yes
21	5516	-	635.7	34	1573	Yes
22	5505	-	1733.1	92	577	Yes
23	5529	-	479.2	26	2087	Yes
24	5523	-	1003	53	997	Yes
25	5499	-	424.1	23	2358	Yes
26	5524	-	638.6	34	1566	Yes
27	5521	-	412.5	22	2424	Yes
28	5507	-	501.5	27	1994	Yes
29	5497	-	520	28	1923	Yes
30	5511	-	1412.4	75	708	Yes
Detection Rate: 96.7%						

802.11ax (HE80) 5530MHz

Type 2 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5490	23	1.3	228	No
2	5507	26	3.2	172	Yes
3	5498	27	3.9	212	Yes
4	5509	24	1.9	213	Yes
5	5524	27	3.6	150	Yes
6	5533	26	3.3	158	Yes
7	5542	29	4.9	210	Yes
8	5517	23	1.3	223	Yes
9	5567	29	4.9	152	Yes
10	5559	27	3.3	190	Yes
11	5549	25	2.7	203	Yes
12	5536	29	5	227	No
13	5502	26	3.3	196	Yes
14	5518	28	4.4	198	Yes
15	5558	24	1.9	161	Yes
16	5526	27	3.6	226	Yes
17	5510	26	2.8	181	Yes
18	5516	25	2.5	167	Yes
19	5522	23	1.3	178	Yes
20	5560	25	2.4	187	Yes
21	5561	29	4.8	153	Yes
22	5491	27	3.5	201	No
23	5515	23	1.3	166	Yes
24	5551	29	4.8	155	Yes
25	5530	28	4.3	221	Yes
26	5508	26	3.2	191	Yes
27	5535	24	1.7	192	Yes
28	5527	23	1.2	164	Yes
29	5565	25	2.4	154	Yes
30	5500	29	5	207	Yes
Detection Rate: 90%					

802.11ax (HE80) 5530MHz

Type 3 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5544	16	6.3	403	Yes
2	5550	17	8.2	313	Yes
3	5517	18	8.9	214	No
4	5500	16	6.9	262	No
5	5552	17	8.6	273	Yes
6	5569	17	8.3	470	Yes
7	5496	18	9.9	453	No
8	5497	16	6.3	378	Yes
9	5562	18	9.9	483	Yes
10	5527	17	8.3	317	Yes
11	5545	17	7.7	385	Yes
12	5492	18	10	275	No
13	5512	17	8.3	497	Yes
14	5546	18	9.4	420	Yes
15	5501	16	6.9	366	Yes
16	5498	17	8.6	414	No
17	5491	17	7.8	444	Yes
18	5507	17	7.5	427	Yes
19	5561	16	6.3	338	Yes
20	5509	17	7.4	436	Yes
21	5520	18	9.8	265	Yes
22	5556	17	8.5	451	Yes
23	5570	16	6.3	274	Yes
24	5525	18	9.8	417	Yes
25	5522	18	9.3	330	Yes
26	5515	17	8.2	472	Yes
27	5494	16	6.7	333	Yes
28	5516	16	6.2	377	Yes
29	5518	17	7.4	394	Yes
30	5519	18	10	296	No
Detection Rate: 80%					

802.11ax (HE80) 5530MHz

Type 4 Radar Statistical Performances					
Trial Id	Radar Frequency (MHz)	Number of Pulses	Pulse Width (us)	PRI (us)	Detection
1	5558	12	11.7	403	Yes
2	5557	14	15.9	313	Yes
3	5529	15	17.4	214	Yes
4	5537	13	13.2	262	Yes
5	5494	15	16.8	273	No
6	5505	14	16.1	470	No
7	5522	16	19.8	453	Yes
8	5497	12	11.7	378	Yes
9	5498	16	19.8	483	No
10	5564	14	16.2	317	Yes
11	5547	14	14.8	385	Yes
12	5508	16	19.9	275	No
13	5531	14	16.1	497	Yes
14	5538	16	18.6	420	Yes
15	5500	13	13.2	366	Yes
16	5544	15	16.9	414	Yes
17	5506	14	15	444	No
18	5495	13	14.4	427	Yes
19	5491	12	11.7	338	Yes
20	5509	13	14.2	436	Yes
21	5528	16	19.6	265	Yes
22	5511	15	16.5	451	No
23	5530	12	11.7	274	Yes
24	5512	16	19.4	417	Yes
25	5517	16	18.3	330	Yes
26	5548	14	15.9	472	Yes
27	5533	12	12.5	333	Yes
28	5492	12	11.5	377	Yes
29	5542	13	14.2	394	Yes
30	5565	16	19.8	296	Yes
Detection Rate: 80%					

802.11ax (HE80) 5530MHz

Type 5 Radar Statistical Performances				
No.	Chirp Width (MHz)	Radar Frequency (MHz)	LP_SIGNAL_NO.	Detection
1	13	5530	LP_SIGNAL_01	No
2	5	5530	LP_SIGNAL_02	No
3	9	5530	LP_SIGNAL_03	No
4	19	5530	LP_SIGNAL_04	Yes
5	16	5530	LP_SIGNAL_05	Yes
6	12	5530	LP_SIGNAL_06	Yes
7	13	5530	LP_SIGNAL_07	Yes
8	10	5530	LP_SIGNAL_08	Yes
9	13	5530	LP_SIGNAL_09	Yes
10	6	5530	LP_SIGNAL_10	Yes
11	16	5497.99	LP_SIGNAL_11	No
12	19	5499.19	LP_SIGNAL_12	Yes
13	13	5496.79	LP_SIGNAL_13	Yes
14	10	5495.59	LP_SIGNAL_14	Yes
15	18	5498.79	LP_SIGNAL_15	Yes
16	12	5496.39	LP_SIGNAL_16	Yes
17	20	5499.59	LP_SIGNAL_17	Yes
18	10	5495.59	LP_SIGNAL_18	Yes
19	12	5496.39	LP_SIGNAL_19	Yes
20	10	5495.59	LP_SIGNAL_20	Yes
21	15	5562.15	LP_SIGNAL_21	Yes
22	9	5564.55	LP_SIGNAL_22	Yes
23	20	5560.15	LP_SIGNAL_23	Yes
24	12	5563.35	LP_SIGNAL_24	Yes
25	11	5563.75	LP_SIGNAL_25	Yes
26	5	5566.15	LP_SIGNAL_26	Yes
27	16	5561.75	LP_SIGNAL_27	Yes
28	19	5560.55	LP_SIGNAL_28	Yes
29	10	5564.15	LP_SIGNAL_29	Yes
30	17	5561.35	LP_SIGNAL_30	Yes
				Detection Rate: 86.7%

802.11ax (HE80) 5530MHz

Type 6 Radar Statistical Performances				
Trial Id	Pulses per HOP	Pulse Width (us)	PRI (us)	Detection
1	9	1	333.3	Yes
2	9	1	333.3	Yes
3	9	1	333.3	Yes
4	9	1	333.3	Yes
5	9	1	333.3	Yes
6	9	1	333.3	Yes
7	9	1	333.3	Yes
8	9	1	333.3	Yes
9	9	1	333.3	Yes
10	9	1	333.3	Yes
11	9	1	333.3	Yes
12	9	1	333.3	Yes
13	9	1	333.3	Yes
14	9	1	333.3	Yes
15	9	1	333.3	Yes
16	9	1	333.3	Yes
17	9	1	333.3	Yes
18	9	1	333.3	Yes
19	9	1	333.3	Yes
20	9	1	333.3	Yes
21	9	1	333.3	Yes
22	9	1	333.3	Yes
23	9	1	333.3	Yes
24	9	1	333.3	Yes
25	9	1	333.3	Yes
26	9	1	333.3	Yes
27	9	1	333.3	Yes
28	9	1	333.3	Yes
29	9	1	333.3	Yes
30	9	1	333.3	Yes
				Detection Rate: 100%

8 Declaration of Conformity by the Manufacturer

8.1 Transmit Power Control (TPC)

U-NII devices operating in DFS Bands (5.25 to 5.35 GHz and 5.47 to 5.725 GHz) 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.

The maximum EIRP of this device is 848.952 mW, and it has TPC functionality.
The UUT can adjust a transmitter's output power based on the signal level present at the receiver. TPC is auto controlled by software.

8.2 Statement of Manufacturer

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

9 Pictures of Test Arrangements

Please refer to the attached file (DFS Test Setup Photo)

10 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 FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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

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

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@bureauveritas.com
Web Site: http://ee.bureauveritas.com.tw

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

11 Appendix

12 Radar Test Signal

The Long Pulse Radar Pattern

802.11ax (HE20) 5500MHz

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_01
Number of Bursts in Trial: 15
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	13	77.8	1665	1477	-
2	1	13	51.9	1074	-	-
3	1	13	63.8	1584	-	-
4	3	13	96.6	1682	1786	1843
5	3	13	85.9	1795	1215	1729
6	2	13	73.7	1198	1549	-
7	2	13	77.2	1837	1819	-
8	2	13	68.4	1587	1114	-
9	2	13	76.7	2000	1155	-
10	1	13	53.2	1147	-	-
11	3	13	85.7	1433	1695	1394
12	3	13	94.3	1670	1426	1935
13	2	13	77.6	1294	1671	-
14	1	13	65.7	1512	-	-
15	3	13	93.5	1444	1130	1468

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_02
Number of Bursts in Trial: 8
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	75	1880	1527	-
2	3	5	99.4	1401	1262	1257
3	2	5	67.4	1531	1403	-
4	2	5	73.6	1449	1041	-
5	1	5	65.9	1432	-	-
6	3	5	83.8	1356	1292	1419
7	1	5	65.5	1543	-	-
8	3	5	98.6	1548	1796	1728

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_03
Number of Bursts in Trial: 11
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	73.8	1806	1538	-
2	2	9	69.5	1117	1649	-
3	1	9	51.9	1651	-	-
4	3	9	84.6	1976	1032	1271
5	3	9	95.4	1060	1903	1388
6	2	9	68	1368	1351	-
7	3	9	89.6	1338	1514	1573
8	2	9	81.9	1022	1689	-
9	3	9	88.3	1810	1330	1838
10	1	9	53.7	1597	-	-
11	3	9	91.3	1961	1106	1001

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_04
Number of Bursts in Trial: 20
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	19	68.1	1339	1355	-
2	1	19	58.7	1251	-	-
3	2	19	75.3	1136	1640	-
4	1	19	56.4	1753	-	-
5	3	19	99.7	1196	1708	1159
6	1	19	57.7	1013	-	-
7	1	19	59.5	1072	-	-
8	2	19	80	1482	1369	-
9	2	19	82	1993	1197	-
10	2	19	82.8	1883	1005	-
11	3	19	88	1061	1928	1101
12	3	19	93.2	1207	1907	1223
13	2	19	70.4	1526	1360	-
14	3	19	95.3	1171	1955	1775
15	2	19	81.9	1690	1545	-
16	3	19	98.5	1975	1169	1062
17	1	19	65	1767	-	-
18	3	19	85.4	1011	1637	1425
19	3	19	91.6	1878	1445	1325
20	2	19	67.3	1091	1218	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_05
Number of Bursts in Trial: 17
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	67.9	1320	1133	-
2	1	16	62.3	1957	-	-
3	1	16	53.3	1592	-	-
4	3	16	90	1900	1153	1346
5	2	16	77.1	1166	1646	-
6	3	16	83.9	1278	1232	1459
7	3	16	89.1	1240	1384	1939
8	2	16	81.8	1833	1676	-
9	1	16	50.3	1075	-	-
10	3	16	87.1	1116	1996	1756
11	2	16	71.3	1225	1815	-
12	3	16	97.5	1884	1465	1132
13	3	16	90.6	1561	1040	1354
14	3	16	86.3	1596	1183	1792
15	3	16	97.6	1365	1073	1361
16	3	16	84.7	1021	1718	1854
17	3	16	99.7	1150	1244	1988

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_06
Number of Bursts in Trial: 14
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	92.9	1085	1564	1407
2	2	12	67.7	1744	1747	-
3	1	12	65.8	1092	-	-
4	1	12	56.3	1851	-	-
5	1	12	53.7	1727	-	-
6	3	12	83.5	1679	1930	1025
7	1	12	65.8	1519	-	-
8	3	12	85.9	1134	1034	1808
9	2	12	76.3	1606	1926	-
10	2	12	81.5	1891	1714	-
11	3	12	89.4	1310	1594	1827
12	1	12	63.4	1568	-	-
13	2	12	69.6	1307	1925	-
14	2	12	74.5	1264	1846	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_07
Number of Bursts in Trial: 15
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	13	96.6	1182	1609	1581
2	3	13	96.7	1829	1799	1154
3	3	13	86.5	1923	1396	1865
4	2	13	73.3	1908	1318	-
5	1	13	55.8	1688	-	-
6	1	13	55.4	1145	-	-
7	3	13	85.3	1336	1504	1820
8	2	13	79.4	1344	1893	-
9	1	13	65.7	1476	-	-
10	2	13	68.6	1008	1028	-
11	2	13	77.7	1972	1835	-
12	2	13	79.6	1882	1331	-
13	3	13	94.9	1830	1070	1349
14	1	13	61.4	1451	-	-
15	3	13	90.6	1233	1562	1887

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_08
Number of Bursts in Trial: 12
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	52.6	1210	-	-
2	3	10	84.1	1314	1725	1529
3	3	10	97.7	1139	1868	1805
4	3	10	97.3	1341	1446	1755
5	3	10	98.8	1544	1386	1302
6	2	10	72.2	1771	1184	-
7	2	10	67.6	1175	1027	-
8	2	10	75.7	1026	1871	-
9	1	10	60.9	1798	-	-
10	1	10	64.2	1138	-	-
11	2	10	78.8	1784	1604	-
12	3	10	87.5	1511	1712	1683

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_09
Number of Bursts in Trial: 14
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	54.1	1415	-	-
2	1	13	50.7	1221	-	-
3	1	13	52.3	1974	-	-
4	3	13	99.8	1558	1696	1949
5	2	13	68.4	1014	1099	-
6	2	13	80.8	1736	1505	-
7	1	13	62.5	1778	-	-
8	2	13	74.8	1149	1204	-
9	1	13	50.8	1049	-	-
10	1	13	54	1417	-	-
11	1	13	63	1730	-	-
12	3	13	91.8	1143	1270	1347
13	2	13	79.3	1274	1992	-
14	1	13	64.3	1937	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_10
Number of Bursts in Trial: 8
Chirp Center Frequency: 5500MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	63.4	1043	-	-
2	1	6	52	1863	-	-
3	3	6	97.2	1973	1605	1583
4	2	6	78.7	1466	1743	-
5	2	6	74.2	1280	1219	-
6	3	6	88.7	1293	1934	1273
7	1	6	54.3	1991	-	-
8	3	6	95.4	1580	1555	1791

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_11
Number of Bursts in Trial: 17
Chirp Center Frequency: 5496.85MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	73.7	1208	1497	-
2	3	16	97.4	1942	1754	1613
3	3	16	91.7	1999	1702	1462
4	1	16	66.2	1393	-	-
5	2	16	70.8	1968	1821	-
6	1	16	52.3	1740	-	-
7	2	16	78.9	1308	1984	-
8	2	16	70.9	1050	1358	-
9	2	16	75.6	1437	1430	-
10	1	16	59.1	1697	-	-
11	2	16	77	1397	1304	-
12	2	16	67.9	1803	1083	-
13	2	16	81.2	1720	1932	-
14	2	16	78.7	1247	1121	-
15	1	16	63.3	1634	-	-
16	2	16	68.9	1849	1423	-
17	1	16	59.3	1093	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_12
Number of Bursts in Trial: 19
Chirp Center Frequency: 5498.05MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	98.9	1381	1680	1488
2	2	19	82.3	1716	1855	-
3	3	19	86.7	1211	1400	1919
4	3	19	89.7	1861	1068	1282
5	3	19	98.6	1507	1194	1461
6	2	19	71.1	1921	1789	-
7	1	19	55.9	1947	-	-
8	2	19	67.9	1350	1372	-
9	3	19	84.4	1203	1107	1443
10	1	19	58.8	1715	-	-
11	1	19	65.6	1017	-	-
12	2	19	78.5	1911	1704	-
13	2	19	82.3	1845	1686	-
14	3	19	90.1	1938	1071	1266
15	3	19	90.2	1989	1089	1950
16	2	19	83.1	1943	1406	-
17	1	19	58.8	1742	-	-
18	2	19	77	1187	1657	-
19	1	19	55	1012	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_13
Number of Bursts in Trial: 15
Chirp Center Frequency: 5495.65MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	58.1	1929	-	-
2	1	13	52.1	1910	-	-
3	1	13	59.9	1971	-	-
4	1	13	60.2	1812	-	-
5	3	13	95.9	1399	1906	1608
6	2	13	79.9	1626	1859	-
7	2	13	78.5	1238	1917	-
8	1	13	53.8	1763	-	-
9	1	13	64.7	1800	-	-
10	1	13	61.4	1390	-	-
11	2	13	83.2	1692	1858	-
12	3	13	84.7	1533	1677	1638
13	3	13	88.7	1703	1528	1058
14	2	13	78.3	1258	1951	-
15	2	13	69.3	1731	1717	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_14
Number of Bursts in Trial: 12
Chirp Center Frequency: 5494.45MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	10	75.3	1994	1612	-
2	1	10	56.3	1456	-	-
3	2	10	67.7	1617	1185	-
4	1	10	55.6	1337	-	-
5	2	10	75.2	1421	1267	-
6	2	10	76.3	1359	1305	-
7	3	10	85.7	1547	1362	1924
8	3	10	98.4	1873	1550	1249
9	3	10	86.4	1779	1439	1046
10	3	10	93.6	1059	1031	1452
11	1	10	63.3	1328	-	-
12	3	10	92.4	1412	1673	1322

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_15
Number of Bursts in Trial: 19
Chirp Center Frequency: 5497.65MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	93.3	1983	1912	1535
2	2	18	69.1	1102	1794	-
3	3	18	86.9	1044	1152	1148
4	3	18	84.9	1894	1948	1118
5	2	18	72.3	1094	1916	-
6	1	18	51.7	1447	-	-
7	1	18	58.3	1429	-	-
8	1	18	60.8	1979	-	-
9	1	18	57.1	1641	-	-
10	3	18	88.9	1886	1964	1489
11	2	18	72	1909	1297	-
12	3	18	90.9	1261	1566	1370
13	1	18	59.8	1552	-	-
14	2	18	70	1759	1291	-
15	2	18	67.2	1625	1881	-
16	3	18	91.2	1382	1832	1661
17	1	18	56.5	1483	-	-
18	1	18	51.2	1237	-	-
19	2	18	74.1	1471	1245	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_16
Number of Bursts in Trial: 14
Chirp Center Frequency: 5495.25MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	76.9	1110	1140	-
2	1	12	50.2	1316	-	-
3	1	12	62.9	1520	-	-
4	1	12	64.7	1902	-	-
5	3	12	83.8	1410	1097	1621
6	1	12	65.4	1944	-	-
7	1	12	53.2	1024	-	-
8	1	12	51.7	1603	-	-
9	2	12	78.7	1804	1168	-
10	2	12	72.4	1030	1343	-
11	1	12	53.8	1327	-	-
12	2	12	73.6	1524	1553	-
13	2	12	66.7	1722	1122	-
14	2	12	82.5	1404	1019	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_17
Number of Bursts in Trial: 20
Chirp Center Frequency: 5498.45MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	20	87.6	1565	1055	1840
2	3	20	85.2	1735	1541	1408
3	3	20	84.8	1534	1889	1463
4	2	20	77.9	1749	1460	-
5	2	20	76.5	1518	1485	-
6	1	20	60.9	1540	-	-
7	2	20	83	1080	1010	-
8	2	20	80.4	1824	1752	-
9	2	20	67.5	1764	1181	-
10	1	20	62.1	1495	-	-
11	3	20	86.4	1773	1966	1263
12	3	20	84.3	1593	1188	1788
13	2	20	76.9	1226	1537	-
14	3	20	95.8	1192	1298	1844
15	1	20	55.2	1644	-	-
16	1	20	59	1402	-	-
17	3	20	94.5	1296	1700	1283
18	3	20	91.9	1970	1978	1165
19	3	20	85.2	1732	1551	1189
20	2	20	69.5	1038	1224	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_18
Number of Bursts in Trial: 12
Chirp Center Frequency: 5494.45MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	86.4	1259	1918	1455
2	3	10	92.2	1598	1719	1895
3	2	10	80.4	1816	1899	-
4	1	10	54.3	1335	-	-
5	1	10	53.1	1303	-	-
6	2	10	69.4	1503	1546	-
7	2	10	69.1	1279	1639	-
8	3	10	100	1375	1438	1595
9	2	10	79.6	1239	1705	-
10	3	10	88.4	1374	1579	1623
11	1	10	53.3	1016	-	-
12	1	10	65.3	1709	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_19
Number of Bursts in Trial: 14
Chirp Center Frequency: 5495.25MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	55.3	1920	-	-
2	1	12	58.3	1797	-	-
3	2	12	72.3	1610	1039	-
4	3	12	84.8	1131	1761	1721
5	2	12	82.5	1875	1431	-
6	1	12	63.3	1095	-	-
7	2	12	80	1119	1913	-
8	3	12	90.3	1660	1853	1123
9	3	12	91.1	1539	1783	1172
10	3	12	96.6	1525	1036	1385
11	2	12	82.7	1710	1990	-
12	1	12	50.7	1234	-	-
13	2	12	78.4	1047	1109	-
14	3	12	99.5	1299	1965	1869

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_20
Number of Bursts in Trial: 12
Chirp Center Frequency: 5494.45MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	88.6	1501	1067	1927
2	1	10	57.4	1723	-	-
3	3	10	96.6	1086	1658	1324
4	2	10	69.7	1751	1945	-
5	2	10	77.9	1642	1317	-
6	1	10	62	1866	-	-
7	3	10	88.4	1997	1077	1366
8	3	10	97.3	1790	1896	1367
9	3	10	96.2	1391	1787	1672
10	3	10	95.4	1020	1892	1414
11	1	10	54.8	1084	-	-
12	2	10	80.4	1850	1436	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_21
Number of Bursts in Trial: 16
Chirp Center Frequency: 5503.47MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	15	74.7	1619	1611	-
2	1	15	57.1	1560	-	-
3	3	15	91.9	1392	1475	1276
4	2	15	83.1	1809	1772	-
5	1	15	50.7	1003	-	-
6	2	15	79.2	1574	1600	-
7	1	15	58.7	1186	-	-
8	2	15	71	1521	1567	-
9	2	15	79	1777	1960	-
10	2	15	68.5	1284	1428	-
11	2	15	73.5	1904	1352	-
12	2	15	70.5	1864	1115	-
13	2	15	76.6	1045	1300	-
14	2	15	81.2	1160	1675	-
15	1	15	61.8	1277	-	-
16	3	15	94.9	1450	1206	1860

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_22
Number of Bursts in Trial: 12
Chirp Center Frequency: 5505.87MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	78.5	1653	1698	-
2	3	9	89.8	1174	1962	1167
3	1	9	59.4	1982	-	-
4	2	9	79.6	1633	1890	-
5	2	9	76	1112	1811	-
6	1	9	53.6	1144	-	-
7	2	9	80.9	1220	1053	-
8	1	9	61.6	1724	-	-
9	1	9	53.4	1901	-	-
10	1	9	59.9	1379	-	-
11	1	9	60.4	1453	-	-
12	3	9	91.4	1768	1726	1227

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_23
Number of Bursts in Trial: 20
Chirp Center Frequency: 5501.47MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	20	77	1191	1363	-
2	1	20	58.1	1248	-	-
3	1	20	62.1	1836	-	-
4	2	20	76.9	1334	1236	-
5	2	20	80	1914	1852	-
6	1	20	52	1701	-	-
7	3	20	88.6	1693	1995	1905
8	2	20	72.9	1922	1387	-
9	3	20	98.5	1839	1746	1389
10	1	20	57.9	1193	-	-
11	3	20	95.9	1659	1870	1066
12	1	20	53.5	1162	-	-
13	3	20	92	1745	1654	1458
14	1	20	57.3	1834	-	-
15	2	20	70.5	1684	1586	-
16	2	20	70	1042	1664	-
17	3	20	84	1765	1630	1176
18	2	20	76.1	1557	1057	-
19	3	20	93.2	1985	1018	1340
20	3	20	96.8	1760	1614	1817

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_24
Number of Bursts in Trial: 14
Chirp Center Frequency: 5504.67MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	50.1	1841	-	-
2	3	12	93.5	1590	1081	1413
3	2	12	68.8	1707	1577	-
4	1	12	56.3	1056	-	-
5	3	12	86	1953	1108	1987
6	2	12	75.2	1572	1536	-
7	1	12	54.4	1517	-	-
8	2	12	71.1	1329	1243	-
9	2	12	76.2	1940	1770	-
10	2	12	80.2	1098	1209	-
11	2	12	79.7	1588	1214	-
12	3	12	90.9	1615	1862	1601
13	2	12	68.7	1377	1441	-
14	2	12	67.4	1872	1313	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_25
Number of Bursts in Trial: 13
Chirp Center Frequency: 5505.07MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	94	1643	1748	1941
2	2	11	70.8	1177	1201	-
3	1	11	56.3	1006	-	-
4	3	11	96.7	1230	1163	1332
5	3	11	90.6	1217	1582	1498
6	2	11	74.5	1569	1281	-
7	3	11	92.6	1065	1669	1222
8	3	11	89	1493	1135	1380
9	3	11	96.5	1607	1822	1602
10	2	11	70.5	1141	1178	-
11	3	11	94	1009	1629	1956
12	1	11	55.8	1290	-	-
13	3	11	87.7	1435	1963	1164

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_26
Number of Bursts in Trial: 8
Chirp Center Frequency: 5507.47MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	68.6	1306	1161	-
2	2	5	83.1	1420	1315	-
3	1	5	60.9	1687	-	-
4	2	5	77.7	1776	1158	-
5	2	5	77.4	1793	1510	-
6	2	5	66.8	1576	1323	-
7	1	5	63.7	1333	-	-
8	3	5	91.2	1409	1681	1275

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_27
Number of Bursts in Trial: 17
Chirp Center Frequency: 5503.07MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	16	83.6	1632	1195	1000
2	3	16	89.4	1173	1627	1656
3	1	16	55.8	1532	-	-
4	3	16	90.9	1981	1554	1998
5	1	16	54.7	1825	-	-
6	3	16	97.7	1734	1202	1250
7	2	16	67.5	1571	1434	-
8	3	16	96.7	1589	1469	1268
9	2	16	68.3	1750	1954	-
10	2	16	78.3	1591	1082	-
11	1	16	55	1427	-	-
12	3	16	84.9	1129	1936	1199
13	2	16	74.6	1959	1856	-
14	1	16	63.3	1885	-	-
15	3	16	99.8	1035	1515	1120
16	1	16	63.6	1647	-	-
17	3	16	87.3	1931	1051	1831

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_28
Number of Bursts in Trial: 19
Chirp Center Frequency: 5501.87MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	85.6	1946	1078	1015
2	2	19	68.6	1029	1780	-
3	1	19	54.2	1111	-	-
4	1	19	61.2	1104	-	-
5	3	19	97.1	1157	1969	1100
6	3	19	98.3	1142	1699	1622
7	1	19	62.4	1655	-	-
8	2	19	80.2	1126	1769	-
9	3	19	87.5	1216	1448	1179
10	3	19	85.8	1847	1348	1472
11	3	19	88.1	1023	1124	1631
12	1	19	65.3	1848	-	-
13	1	19	52.5	1470	-	-
14	1	19	52.3	1312	-	-
15	2	19	74.1	1915	1200	-
16	1	19	54.9	1479	-	-
17	2	19	76.2	1376	1502	-
18	1	19	60.4	1758	-	-
19	2	19	81.5	1491	1103	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_29
Number of Bursts in Trial: 12
Chirp Center Frequency: 5505.47MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	50.5	1857	-	-
2	1	10	55.7	1246	-	-
3	3	10	85.8	1774	1002	1967
4	2	10	76.9	1125	1474	-
5	2	10	75.1	1254	1052	-
6	3	10	92.3	1180	1486	1492
7	2	10	78.1	1301	1757	-
8	3	10	92.2	1898	1252	1713
9	3	10	89	1260	1706	1411
10	2	10	70.9	1578	1620	-
11	1	10	63.1	1782	-	-
12	1	10	55.3	1522	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_30
Number of Bursts in Trial: 18
Chirp Center Frequency: 5502.67MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	17	83.4	1454	1205	1801
2	3	17	97.3	1319	1826	1635
3	3	17	90.4	1079	1986	1674
4	3	17	91.8	1563	1151	1802
5	3	17	98.2	1876	1977	1766
6	1	17	59.5	1952	-	-
7	2	17	80	1253	1137	-
8	3	17	86.5	1054	1128	1828
9	3	17	91.1	1105	1599	1442
10	3	17	93.5	1867	1373	1087
11	1	17	60.7	1033	-	-
12	2	17	67.2	1288	1405	-
13	1	17	61.8	1585	-	-
14	2	17	79.4	1933	1667	-
15	2	17	81.4	1096	1464	-
16	1	17	65.7	1496	-	-
17	2	17	76	1733	1255	-
18	2	17	81	1326	1668	-

802.11ax (HE40) 5510MHz

Long Pulse Radar Test Signal Test Signal Name: LP_SIGNAL_01 Number of Bursts in Trial: 15 Chirp Center Frequency: 5510MHz						
Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	13	77.8	1665	1477	-
2	1	13	51.9	1074	-	-
3	1	13	63.8	1584	-	-
4	3	13	96.6	1682	1786	1843
5	3	13	85.9	1795	1215	1729
6	2	13	73.7	1198	1549	-
7	2	13	77.2	1837	1819	-
8	2	13	68.4	1587	1114	-
9	2	13	76.7	2000	1155	-
10	1	13	53.2	1147	-	-
11	3	13	85.7	1433	1695	1394
12	3	13	94.3	1670	1426	1935
13	2	13	77.6	1294	1671	-
14	1	13	65.7	1512	-	-
15	3	13	93.5	1444	1130	1468

Long Pulse Radar Test Signal Test Signal Name: LP_SIGNAL_02 Number of Bursts in Trial: 8 Chirp Center Frequency: 5510MHz						
Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	75	1880	1527	-
2	3	5	99.4	1401	1262	1257
3	2	5	67.4	1531	1403	-
4	2	5	73.6	1449	1041	-
5	1	5	65.9	1432	-	-
6	3	5	83.8	1356	1292	1419
7	1	5	65.5	1543	-	-
8	3	5	98.6	1548	1796	1728

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_03
Number of Bursts in Trial: 11
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	73.8	1806	1538	-
2	2	9	69.5	1117	1649	-
3	1	9	51.9	1651	-	-
4	3	9	84.6	1976	1032	1271
5	3	9	95.4	1060	1903	1388
6	2	9	68	1368	1351	-
7	3	9	89.6	1338	1514	1573
8	2	9	81.9	1022	1689	-
9	3	9	88.3	1810	1330	1838
10	1	9	53.7	1597	-	-
11	3	9	91.3	1961	1106	1001

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_04
Number of Bursts in Trial: 20
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	19	68.1	1339	1355	-
2	1	19	58.7	1251	-	-
3	2	19	75.3	1136	1640	-
4	1	19	56.4	1753	-	-
5	3	19	99.7	1196	1708	1159
6	1	19	57.7	1013	-	-
7	1	19	59.5	1072	-	-
8	2	19	80	1482	1369	-
9	2	19	82	1993	1197	-
10	2	19	82.8	1883	1005	-
11	3	19	88	1061	1928	1101
12	3	19	93.2	1207	1907	1223
13	2	19	70.4	1526	1360	-
14	3	19	95.3	1171	1955	1775
15	2	19	81.9	1690	1545	-
16	3	19	98.5	1975	1169	1062
17	1	19	65	1767	-	-
18	3	19	85.4	1011	1637	1425
19	3	19	91.6	1878	1445	1325
20	2	19	67.3	1091	1218	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_05
Number of Bursts in Trial: 17
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	67.9	1320	1133	-
2	1	16	62.3	1957	-	-
3	1	16	53.3	1592	-	-
4	3	16	90	1900	1153	1346
5	2	16	77.1	1166	1646	-
6	3	16	83.9	1278	1232	1459
7	3	16	89.1	1240	1384	1939
8	2	16	81.8	1833	1676	-
9	1	16	50.3	1075	-	-
10	3	16	87.1	1116	1996	1756
11	2	16	71.3	1225	1815	-
12	3	16	97.5	1884	1465	1132
13	3	16	90.6	1561	1040	1354
14	3	16	86.3	1596	1183	1792
15	3	16	97.6	1365	1073	1361
16	3	16	84.7	1021	1718	1854
17	3	16	99.7	1150	1244	1988

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_06
Number of Bursts in Trial: 14
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	92.9	1085	1564	1407
2	2	12	67.7	1744	1747	-
3	1	12	65.8	1092	-	-
4	1	12	56.3	1851	-	-
5	1	12	53.7	1727	-	-
6	3	12	83.5	1679	1930	1025
7	1	12	65.8	1519	-	-
8	3	12	85.9	1134	1034	1808
9	2	12	76.3	1606	1926	-
10	2	12	81.5	1891	1714	-
11	3	12	89.4	1310	1594	1827
12	1	12	63.4	1568	-	-
13	2	12	69.6	1307	1925	-
14	2	12	74.5	1264	1846	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_07
Number of Bursts in Trial: 15
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	13	96.6	1182	1609	1581
2	3	13	96.7	1829	1799	1154
3	3	13	86.5	1923	1396	1865
4	2	13	73.3	1908	1318	-
5	1	13	55.8	1688	-	-
6	1	13	55.4	1145	-	-
7	3	13	85.3	1336	1504	1820
8	2	13	79.4	1344	1893	-
9	1	13	65.7	1476	-	-
10	2	13	68.6	1008	1028	-
11	2	13	77.7	1972	1835	-
12	2	13	79.6	1882	1331	-
13	3	13	94.9	1830	1070	1349
14	1	13	61.4	1451	-	-
15	3	13	90.6	1233	1562	1887

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_08
Number of Bursts in Trial: 12
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	52.6	1210	-	-
2	3	10	84.1	1314	1725	1529
3	3	10	97.7	1139	1868	1805
4	3	10	97.3	1341	1446	1755
5	3	10	98.8	1544	1386	1302
6	2	10	72.2	1771	1184	-
7	2	10	67.6	1175	1027	-
8	2	10	75.7	1026	1871	-
9	1	10	60.9	1798	-	-
10	1	10	64.2	1138	-	-
11	2	10	78.8	1784	1604	-
12	3	10	87.5	1511	1712	1683

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_09
Number of Bursts in Trial: 14
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	54.1	1415	-	-
2	1	13	50.7	1221	-	-
3	1	13	52.3	1974	-	-
4	3	13	99.8	1558	1696	1949
5	2	13	68.4	1014	1099	-
6	2	13	80.8	1736	1505	-
7	1	13	62.5	1778	-	-
8	2	13	74.8	1149	1204	-
9	1	13	50.8	1049	-	-
10	1	13	54	1417	-	-
11	1	13	63	1730	-	-
12	3	13	91.8	1143	1270	1347
13	2	13	79.3	1274	1992	-
14	1	13	64.3	1937	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_10
Number of Bursts in Trial: 8
Chirp Center Frequency: 5510MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	63.4	1043	-	-
2	1	6	52	1863	-	-
3	3	6	97.2	1973	1605	1583
4	2	6	78.7	1466	1743	-
5	2	6	74.2	1280	1219	-
6	3	6	88.7	1293	1934	1273
7	1	6	54.3	1991	-	-
8	3	6	95.4	1580	1555	1791

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_11
Number of Bursts in Trial: 17
Chirp Center Frequency: 5497.5MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	73.7	1208	1497	-
2	3	16	97.4	1942	1754	1613
3	3	16	91.7	1999	1702	1462
4	1	16	66.2	1393	-	-
5	2	16	70.8	1968	1821	-
6	1	16	52.3	1740	-	-
7	2	16	78.9	1308	1984	-
8	2	16	70.9	1050	1358	-
9	2	16	75.6	1437	1430	-
10	1	16	59.1	1697	-	-
11	2	16	77	1397	1304	-
12	2	16	67.9	1803	1083	-
13	2	16	81.2	1720	1932	-
14	2	16	78.7	1247	1121	-
15	1	16	63.3	1634	-	-
16	2	16	68.9	1849	1423	-
17	1	16	59.3	1093	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_12
Number of Bursts in Trial: 19
Chirp Center Frequency: 5498.7MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	98.9	1381	1680	1488
2	2	19	82.3	1716	1855	-
3	3	19	86.7	1211	1400	1919
4	3	19	89.7	1861	1068	1282
5	3	19	98.6	1507	1194	1461
6	2	19	71.1	1921	1789	-
7	1	19	55.9	1947	-	-
8	2	19	67.9	1350	1372	-
9	3	19	84.4	1203	1107	1443
10	1	19	58.8	1715	-	-
11	1	19	65.6	1017	-	-
12	2	19	78.5	1911	1704	-
13	2	19	82.3	1845	1686	-
14	3	19	90.1	1938	1071	1266
15	3	19	90.2	1989	1089	1950
16	2	19	83.1	1943	1406	-
17	1	19	58.8	1742	-	-
18	2	19	77	1187	1657	-
19	1	19	55	1012	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_13
Number of Bursts in Trial: 15
Chirp Center Frequency: 5496.3MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	58.1	1929	-	-
2	1	13	52.1	1910	-	-
3	1	13	59.9	1971	-	-
4	1	13	60.2	1812	-	-
5	3	13	95.9	1399	1906	1608
6	2	13	79.9	1626	1859	-
7	2	13	78.5	1238	1917	-
8	1	13	53.8	1763	-	-
9	1	13	64.7	1800	-	-
10	1	13	61.4	1390	-	-
11	2	13	83.2	1692	1858	-
12	3	13	84.7	1533	1677	1638
13	3	13	88.7	1703	1528	1058
14	2	13	78.3	1258	1951	-
15	2	13	69.3	1731	1717	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_14
Number of Bursts in Trial: 12
Chirp Center Frequency: 5495.1MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	10	75.3	1994	1612	-
2	1	10	56.3	1456	-	-
3	2	10	67.7	1617	1185	-
4	1	10	55.6	1337	-	-
5	2	10	75.2	1421	1267	-
6	2	10	76.3	1359	1305	-
7	3	10	85.7	1547	1362	1924
8	3	10	98.4	1873	1550	1249
9	3	10	86.4	1779	1439	1046
10	3	10	93.6	1059	1031	1452
11	1	10	63.3	1328	-	-
12	3	10	92.4	1412	1673	1322

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_15
Number of Bursts in Trial: 19
Chirp Center Frequency: 5498.3MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	93.3	1983	1912	1535
2	2	18	69.1	1102	1794	-
3	3	18	86.9	1044	1152	1148
4	3	18	84.9	1894	1948	1118
5	2	18	72.3	1094	1916	-
6	1	18	51.7	1447	-	-
7	1	18	58.3	1429	-	-
8	1	18	60.8	1979	-	-
9	1	18	57.1	1641	-	-
10	3	18	88.9	1886	1964	1489
11	2	18	72	1909	1297	-
12	3	18	90.9	1261	1566	1370
13	1	18	59.8	1552	-	-
14	2	18	70	1759	1291	-
15	2	18	67.2	1625	1881	-
16	3	18	91.2	1382	1832	1661
17	1	18	56.5	1483	-	-
18	1	18	51.2	1237	-	-
19	2	18	74.1	1471	1245	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_16
Number of Bursts in Trial: 14
Chirp Center Frequency: 5495.9MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	76.9	1110	1140	-
2	1	12	50.2	1316	-	-
3	1	12	62.9	1520	-	-
4	1	12	64.7	1902	-	-
5	3	12	83.8	1410	1097	1621
6	1	12	65.4	1944	-	-
7	1	12	53.2	1024	-	-
8	1	12	51.7	1603	-	-
9	2	12	78.7	1804	1168	-
10	2	12	72.4	1030	1343	-
11	1	12	53.8	1327	-	-
12	2	12	73.6	1524	1553	-
13	2	12	66.7	1722	1122	-
14	2	12	82.5	1404	1019	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_17
Number of Bursts in Trial: 20
Chirp Center Frequency: 5499.1MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	20	87.6	1565	1055	1840
2	3	20	85.2	1735	1541	1408
3	3	20	84.8	1534	1889	1463
4	2	20	77.9	1749	1460	-
5	2	20	76.5	1518	1485	-
6	1	20	60.9	1540	-	-
7	2	20	83	1080	1010	-
8	2	20	80.4	1824	1752	-
9	2	20	67.5	1764	1181	-
10	1	20	62.1	1495	-	-
11	3	20	86.4	1773	1966	1263
12	3	20	84.3	1593	1188	1788
13	2	20	76.9	1226	1537	-
14	3	20	95.8	1192	1298	1844
15	1	20	55.2	1644	-	-
16	1	20	59	1402	-	-
17	3	20	94.5	1296	1700	1283
18	3	20	91.9	1970	1978	1165
19	3	20	85.2	1732	1551	1189
20	2	20	69.5	1038	1224	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_18
Number of Bursts in Trial: 12
Chirp Center Frequency: 5495.1MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	86.4	1259	1918	1455
2	3	10	92.2	1598	1719	1895
3	2	10	80.4	1816	1899	-
4	1	10	54.3	1335	-	-
5	1	10	53.1	1303	-	-
6	2	10	69.4	1503	1546	-
7	2	10	69.1	1279	1639	-
8	3	10	100	1375	1438	1595
9	2	10	79.6	1239	1705	-
10	3	10	88.4	1374	1579	1623
11	1	10	53.3	1016	-	-
12	1	10	65.3	1709	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_19
Number of Bursts in Trial: 14
Chirp Center Frequency: 5495.9MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	55.3	1920	-	-
2	1	12	58.3	1797	-	-
3	2	12	72.3	1610	1039	-
4	3	12	84.8	1131	1761	1721
5	2	12	82.5	1875	1431	-
6	1	12	63.3	1095	-	-
7	2	12	80	1119	1913	-
8	3	12	90.3	1660	1853	1123
9	3	12	91.1	1539	1783	1172
10	3	12	96.6	1525	1036	1385
11	2	12	82.7	1710	1990	-
12	1	12	50.7	1234	-	-
13	2	12	78.4	1047	1109	-
14	3	12	99.5	1299	1965	1869

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_20
Number of Bursts in Trial: 12
Chirp Center Frequency: 5495.1MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	88.6	1501	1067	1927
2	1	10	57.4	1723	-	-
3	3	10	96.6	1086	1658	1324
4	2	10	69.7	1751	1945	-
5	2	10	77.9	1642	1317	-
6	1	10	62	1866	-	-
7	3	10	88.4	1997	1077	1366
8	3	10	97.3	1790	1896	1367
9	3	10	96.2	1391	1787	1672
10	3	10	95.4	1020	1892	1414
11	1	10	54.8	1084	-	-
12	2	10	80.4	1850	1436	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_21
Number of Bursts in Trial: 16
Chirp Center Frequency: 5522.73MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	15	74.7	1619	1611	-
2	1	15	57.1	1560	-	-
3	3	15	91.9	1392	1475	1276
4	2	15	83.1	1809	1772	-
5	1	15	50.7	1003	-	-
6	2	15	79.2	1574	1600	-
7	1	15	58.7	1186	-	-
8	2	15	71	1521	1567	-
9	2	15	79	1777	1960	-
10	2	15	68.5	1284	1428	-
11	2	15	73.5	1904	1352	-
12	2	15	70.5	1864	1115	-
13	2	15	76.6	1045	1300	-
14	2	15	81.2	1160	1675	-
15	1	15	61.8	1277	-	-
16	3	15	94.9	1450	1206	1860

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_22
Number of Bursts in Trial: 12
Chirp Center Frequency: 5525.13MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	78.5	1653	1698	-
2	3	9	89.8	1174	1962	1167
3	1	9	59.4	1982	-	-
4	2	9	79.6	1633	1890	-
5	2	9	76	1112	1811	-
6	1	9	53.6	1144	-	-
7	2	9	80.9	1220	1053	-
8	1	9	61.6	1724	-	-
9	1	9	53.4	1901	-	-
10	1	9	59.9	1379	-	-
11	1	9	60.4	1453	-	-
12	3	9	91.4	1768	1726	1227

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_23
Number of Bursts in Trial: 20
Chirp Center Frequency: 5520.73MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	20	77	1191	1363	-
2	1	20	58.1	1248	-	-
3	1	20	62.1	1836	-	-
4	2	20	76.9	1334	1236	-
5	2	20	80	1914	1852	-
6	1	20	52	1701	-	-
7	3	20	88.6	1693	1995	1905
8	2	20	72.9	1922	1387	-
9	3	20	98.5	1839	1746	1389
10	1	20	57.9	1193	-	-
11	3	20	95.9	1659	1870	1066
12	1	20	53.5	1162	-	-
13	3	20	92	1745	1654	1458
14	1	20	57.3	1834	-	-
15	2	20	70.5	1684	1586	-
16	2	20	70	1042	1664	-
17	3	20	84	1765	1630	1176
18	2	20	76.1	1557	1057	-
19	3	20	93.2	1985	1018	1340
20	3	20	96.8	1760	1614	1817

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_24
Number of Bursts in Trial: 14
Chirp Center Frequency: 5523.93MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	50.1	1841	-	-
2	3	12	93.5	1590	1081	1413
3	2	12	68.8	1707	1577	-
4	1	12	56.3	1056	-	-
5	3	12	86	1953	1108	1987
6	2	12	75.2	1572	1536	-
7	1	12	54.4	1517	-	-
8	2	12	71.1	1329	1243	-
9	2	12	76.2	1940	1770	-
10	2	12	80.2	1098	1209	-
11	2	12	79.7	1588	1214	-
12	3	12	90.9	1615	1862	1601
13	2	12	68.7	1377	1441	-
14	2	12	67.4	1872	1313	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_25
Number of Bursts in Trial: 13
Chirp Center Frequency: 5524.33MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	94	1643	1748	1941
2	2	11	70.8	1177	1201	-
3	1	11	56.3	1006	-	-
4	3	11	96.7	1230	1163	1332
5	3	11	90.6	1217	1582	1498
6	2	11	74.5	1569	1281	-
7	3	11	92.6	1065	1669	1222
8	3	11	89	1493	1135	1380
9	3	11	96.5	1607	1822	1602
10	2	11	70.5	1141	1178	-
11	3	11	94	1009	1629	1956
12	1	11	55.8	1290	-	-
13	3	11	87.7	1435	1963	1164

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_26
Number of Bursts in Trial: 8
Chirp Center Frequency: 5526.73MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	68.6	1306	1161	-
2	2	5	83.1	1420	1315	-
3	1	5	60.9	1687	-	-
4	2	5	77.7	1776	1158	-
5	2	5	77.4	1793	1510	-
6	2	5	66.8	1576	1323	-
7	1	5	63.7	1333	-	-
8	3	5	91.2	1409	1681	1275

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_27
Number of Bursts in Trial: 17
Chirp Center Frequency: 5522.33MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	16	83.6	1632	1195	1000
2	3	16	89.4	1173	1627	1656
3	1	16	55.8	1532	-	-
4	3	16	90.9	1981	1554	1998
5	1	16	54.7	1825	-	-
6	3	16	97.7	1734	1202	1250
7	2	16	67.5	1571	1434	-
8	3	16	96.7	1589	1469	1268
9	2	16	68.3	1750	1954	-
10	2	16	78.3	1591	1082	-
11	1	16	55	1427	-	-
12	3	16	84.9	1129	1936	1199
13	2	16	74.6	1959	1856	-
14	1	16	63.3	1885	-	-
15	3	16	99.8	1035	1515	1120
16	1	16	63.6	1647	-	-
17	3	16	87.3	1931	1051	1831

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_28
Number of Bursts in Trial: 19
Chirp Center Frequency: 5521.13MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	85.6	1946	1078	1015
2	2	19	68.6	1029	1780	-
3	1	19	54.2	1111	-	-
4	1	19	61.2	1104	-	-
5	3	19	97.1	1157	1969	1100
6	3	19	98.3	1142	1699	1622
7	1	19	62.4	1655	-	-
8	2	19	80.2	1126	1769	-
9	3	19	87.5	1216	1448	1179
10	3	19	85.8	1847	1348	1472
11	3	19	88.1	1023	1124	1631
12	1	19	65.3	1848	-	-
13	1	19	52.5	1470	-	-
14	1	19	52.3	1312	-	-
15	2	19	74.1	1915	1200	-
16	1	19	54.9	1479	-	-
17	2	19	76.2	1376	1502	-
18	1	19	60.4	1758	-	-
19	2	19	81.5	1491	1103	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_29
Number of Bursts in Trial: 12
Chirp Center Frequency: 5524.73MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	50.5	1857	-	-
2	1	10	55.7	1246	-	-
3	3	10	85.8	1774	1002	1967
4	2	10	76.9	1125	1474	-
5	2	10	75.1	1254	1052	-
6	3	10	92.3	1180	1486	1492
7	2	10	78.1	1301	1757	-
8	3	10	92.2	1898	1252	1713
9	3	10	89	1260	1706	1411
10	2	10	70.9	1578	1620	-
11	1	10	63.1	1782	-	-
12	1	10	55.3	1522	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_30
Number of Bursts in Trial: 18
Chirp Center Frequency: 5521.93MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	17	83.4	1454	1205	1801
2	3	17	97.3	1319	1826	1635
3	3	17	90.4	1079	1986	1674
4	3	17	91.8	1563	1151	1802
5	3	17	98.2	1876	1977	1766
6	1	17	59.5	1952	-	-
7	2	17	80	1253	1137	-
8	3	17	86.5	1054	1128	1828
9	3	17	91.1	1105	1599	1442
10	3	17	93.5	1867	1373	1087
11	1	17	60.7	1033	-	-
12	2	17	67.2	1288	1405	-
13	1	17	61.8	1585	-	-
14	2	17	79.4	1933	1667	-
15	2	17	81.4	1096	1464	-
16	1	17	65.7	1496	-	-
17	2	17	76	1733	1255	-
18	2	17	81	1326	1668	-

802.11ax (HE80) 5530MHz

Long Pulse Radar Test Signal Test Signal Name: LP_SIGNAL_01 Number of Bursts in Trial: 15 Chirp Center Frequency: 5530MHz						
Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	13	77.8	1665	1477	-
2	1	13	51.9	1074	-	-
3	1	13	63.8	1584	-	-
4	3	13	96.6	1682	1786	1843
5	3	13	85.9	1795	1215	1729
6	2	13	73.7	1198	1549	-
7	2	13	77.2	1837	1819	-
8	2	13	68.4	1587	1114	-
9	2	13	76.7	2000	1155	-
10	1	13	53.2	1147	-	-
11	3	13	85.7	1433	1695	1394
12	3	13	94.3	1670	1426	1935
13	2	13	77.6	1294	1671	-
14	1	13	65.7	1512	-	-
15	3	13	93.5	1444	1130	1468

Long Pulse Radar Test Signal Test Signal Name: LP_SIGNAL_02 Number of Bursts in Trial: 8 Chirp Center Frequency: 5530MHz						
Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	75	1880	1527	-
2	3	5	99.4	1401	1262	1257
3	2	5	67.4	1531	1403	-
4	2	5	73.6	1449	1041	-
5	1	5	65.9	1432	-	-
6	3	5	83.8	1356	1292	1419
7	1	5	65.5	1543	-	-
8	3	5	98.6	1548	1796	1728

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_03
Number of Bursts in Trial: 11
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	73.8	1806	1538	-
2	2	9	69.5	1117	1649	-
3	1	9	51.9	1651	-	-
4	3	9	84.6	1976	1032	1271
5	3	9	95.4	1060	1903	1388
6	2	9	68	1368	1351	-
7	3	9	89.6	1338	1514	1573
8	2	9	81.9	1022	1689	-
9	3	9	88.3	1810	1330	1838
10	1	9	53.7	1597	-	-
11	3	9	91.3	1961	1106	1001

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_04
Number of Bursts in Trial: 20
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	19	68.1	1339	1355	-
2	1	19	58.7	1251	-	-
3	2	19	75.3	1136	1640	-
4	1	19	56.4	1753	-	-
5	3	19	99.7	1196	1708	1159
6	1	19	57.7	1013	-	-
7	1	19	59.5	1072	-	-
8	2	19	80	1482	1369	-
9	2	19	82	1993	1197	-
10	2	19	82.8	1883	1005	-
11	3	19	88	1061	1928	1101
12	3	19	93.2	1207	1907	1223
13	2	19	70.4	1526	1360	-
14	3	19	95.3	1171	1955	1775
15	2	19	81.9	1690	1545	-
16	3	19	98.5	1975	1169	1062
17	1	19	65	1767	-	-
18	3	19	85.4	1011	1637	1425
19	3	19	91.6	1878	1445	1325
20	2	19	67.3	1091	1218	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_05
Number of Bursts in Trial: 17
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	67.9	1320	1133	-
2	1	16	62.3	1957	-	-
3	1	16	53.3	1592	-	-
4	3	16	90	1900	1153	1346
5	2	16	77.1	1166	1646	-
6	3	16	83.9	1278	1232	1459
7	3	16	89.1	1240	1384	1939
8	2	16	81.8	1833	1676	-
9	1	16	50.3	1075	-	-
10	3	16	87.1	1116	1996	1756
11	2	16	71.3	1225	1815	-
12	3	16	97.5	1884	1465	1132
13	3	16	90.6	1561	1040	1354
14	3	16	86.3	1596	1183	1792
15	3	16	97.6	1365	1073	1361
16	3	16	84.7	1021	1718	1854
17	3	16	99.7	1150	1244	1988

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_06
Number of Bursts in Trial: 14
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	12	92.9	1085	1564	1407
2	2	12	67.7	1744	1747	-
3	1	12	65.8	1092	-	-
4	1	12	56.3	1851	-	-
5	1	12	53.7	1727	-	-
6	3	12	83.5	1679	1930	1025
7	1	12	65.8	1519	-	-
8	3	12	85.9	1134	1034	1808
9	2	12	76.3	1606	1926	-
10	2	12	81.5	1891	1714	-
11	3	12	89.4	1310	1594	1827
12	1	12	63.4	1568	-	-
13	2	12	69.6	1307	1925	-
14	2	12	74.5	1264	1846	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_07
Number of Bursts in Trial: 15
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	13	96.6	1182	1609	1581
2	3	13	96.7	1829	1799	1154
3	3	13	86.5	1923	1396	1865
4	2	13	73.3	1908	1318	-
5	1	13	55.8	1688	-	-
6	1	13	55.4	1145	-	-
7	3	13	85.3	1336	1504	1820
8	2	13	79.4	1344	1893	-
9	1	13	65.7	1476	-	-
10	2	13	68.6	1008	1028	-
11	2	13	77.7	1972	1835	-
12	2	13	79.6	1882	1331	-
13	3	13	94.9	1830	1070	1349
14	1	13	61.4	1451	-	-
15	3	13	90.6	1233	1562	1887

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_08
Number of Bursts in Trial: 12
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	52.6	1210	-	-
2	3	10	84.1	1314	1725	1529
3	3	10	97.7	1139	1868	1805
4	3	10	97.3	1341	1446	1755
5	3	10	98.8	1544	1386	1302
6	2	10	72.2	1771	1184	-
7	2	10	67.6	1175	1027	-
8	2	10	75.7	1026	1871	-
9	1	10	60.9	1798	-	-
10	1	10	64.2	1138	-	-
11	2	10	78.8	1784	1604	-
12	3	10	87.5	1511	1712	1683

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_09
Number of Bursts in Trial: 14
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	54.1	1415	-	-
2	1	13	50.7	1221	-	-
3	1	13	52.3	1974	-	-
4	3	13	99.8	1558	1696	1949
5	2	13	68.4	1014	1099	-
6	2	13	80.8	1736	1505	-
7	1	13	62.5	1778	-	-
8	2	13	74.8	1149	1204	-
9	1	13	50.8	1049	-	-
10	1	13	54	1417	-	-
11	1	13	63	1730	-	-
12	3	13	91.8	1143	1270	1347
13	2	13	79.3	1274	1992	-
14	1	13	64.3	1937	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_10
Number of Bursts in Trial: 8
Chirp Center Frequency: 5530MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	6	63.4	1043	-	-
2	1	6	52	1863	-	-
3	3	6	97.2	1973	1605	1583
4	2	6	78.7	1466	1743	-
5	2	6	74.2	1280	1219	-
6	3	6	88.7	1293	1934	1273
7	1	6	54.3	1991	-	-
8	3	6	95.4	1580	1555	1791

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_11
Number of Bursts in Trial: 17
Chirp Center Frequency: 5497.99MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	16	73.7	1208	1497	-
2	3	16	97.4	1942	1754	1613
3	3	16	91.7	1999	1702	1462
4	1	16	66.2	1393	-	-
5	2	16	70.8	1968	1821	-
6	1	16	52.3	1740	-	-
7	2	16	78.9	1308	1984	-
8	2	16	70.9	1050	1358	-
9	2	16	75.6	1437	1430	-
10	1	16	59.1	1697	-	-
11	2	16	77	1397	1304	-
12	2	16	67.9	1803	1083	-
13	2	16	81.2	1720	1932	-
14	2	16	78.7	1247	1121	-
15	1	16	63.3	1634	-	-
16	2	16	68.9	1849	1423	-
17	1	16	59.3	1093	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_12
Number of Bursts in Trial: 19
Chirp Center Frequency: 5499.19MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	98.9	1381	1680	1488
2	2	19	82.3	1716	1855	-
3	3	19	86.7	1211	1400	1919
4	3	19	89.7	1861	1068	1282
5	3	19	98.6	1507	1194	1461
6	2	19	71.1	1921	1789	-
7	1	19	55.9	1947	-	-
8	2	19	67.9	1350	1372	-
9	3	19	84.4	1203	1107	1443
10	1	19	58.8	1715	-	-
11	1	19	65.6	1017	-	-
12	2	19	78.5	1911	1704	-
13	2	19	82.3	1845	1686	-
14	3	19	90.1	1938	1071	1266
15	3	19	90.2	1989	1089	1950
16	2	19	83.1	1943	1406	-
17	1	19	58.8	1742	-	-
18	2	19	77	1187	1657	-
19	1	19	55	1012	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_13
Number of Bursts in Trial: 15
Chirp Center Frequency: 5496.79MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	13	58.1	1929	-	-
2	1	13	52.1	1910	-	-
3	1	13	59.9	1971	-	-
4	1	13	60.2	1812	-	-
5	3	13	95.9	1399	1906	1608
6	2	13	79.9	1626	1859	-
7	2	13	78.5	1238	1917	-
8	1	13	53.8	1763	-	-
9	1	13	64.7	1800	-	-
10	1	13	61.4	1390	-	-
11	2	13	83.2	1692	1858	-
12	3	13	84.7	1533	1677	1638
13	3	13	88.7	1703	1528	1058
14	2	13	78.3	1258	1951	-
15	2	13	69.3	1731	1717	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_14
Number of Bursts in Trial: 12
Chirp Center Frequency: 5495.59MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	10	75.3	1994	1612	-
2	1	10	56.3	1456	-	-
3	2	10	67.7	1617	1185	-
4	1	10	55.6	1337	-	-
5	2	10	75.2	1421	1267	-
6	2	10	76.3	1359	1305	-
7	3	10	85.7	1547	1362	1924
8	3	10	98.4	1873	1550	1249
9	3	10	86.4	1779	1439	1046
10	3	10	93.6	1059	1031	1452
11	1	10	63.3	1328	-	-
12	3	10	92.4	1412	1673	1322

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_15
Number of Bursts in Trial: 19
Chirp Center Frequency: 5498.79MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	18	93.3	1983	1912	1535
2	2	18	69.1	1102	1794	-
3	3	18	86.9	1044	1152	1148
4	3	18	84.9	1894	1948	1118
5	2	18	72.3	1094	1916	-
6	1	18	51.7	1447	-	-
7	1	18	58.3	1429	-	-
8	1	18	60.8	1979	-	-
9	1	18	57.1	1641	-	-
10	3	18	88.9	1886	1964	1489
11	2	18	72	1909	1297	-
12	3	18	90.9	1261	1566	1370
13	1	18	59.8	1552	-	-
14	2	18	70	1759	1291	-
15	2	18	67.2	1625	1881	-
16	3	18	91.2	1382	1832	1661
17	1	18	56.5	1483	-	-
18	1	18	51.2	1237	-	-
19	2	18	74.1	1471	1245	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_16
Number of Bursts in Trial: 14
Chirp Center Frequency: 5496.39MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	12	76.9	1110	1140	-
2	1	12	50.2	1316	-	-
3	1	12	62.9	1520	-	-
4	1	12	64.7	1902	-	-
5	3	12	83.8	1410	1097	1621
6	1	12	65.4	1944	-	-
7	1	12	53.2	1024	-	-
8	1	12	51.7	1603	-	-
9	2	12	78.7	1804	1168	-
10	2	12	72.4	1030	1343	-
11	1	12	53.8	1327	-	-
12	2	12	73.6	1524	1553	-
13	2	12	66.7	1722	1122	-
14	2	12	82.5	1404	1019	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_17
Number of Bursts in Trial: 20
Chirp Center Frequency: 5499.59MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	20	87.6	1565	1055	1840
2	3	20	85.2	1735	1541	1408
3	3	20	84.8	1534	1889	1463
4	2	20	77.9	1749	1460	-
5	2	20	76.5	1518	1485	-
6	1	20	60.9	1540	-	-
7	2	20	83	1080	1010	-
8	2	20	80.4	1824	1752	-
9	2	20	67.5	1764	1181	-
10	1	20	62.1	1495	-	-
11	3	20	86.4	1773	1966	1263
12	3	20	84.3	1593	1188	1788
13	2	20	76.9	1226	1537	-
14	3	20	95.8	1192	1298	1844
15	1	20	55.2	1644	-	-
16	1	20	59	1402	-	-
17	3	20	94.5	1296	1700	1283
18	3	20	91.9	1970	1978	1165
19	3	20	85.2	1732	1551	1189
20	2	20	69.5	1038	1224	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_18
Number of Bursts in Trial: 12
Chirp Center Frequency: 5495.59MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	86.4	1259	1918	1455
2	3	10	92.2	1598	1719	1895
3	2	10	80.4	1816	1899	-
4	1	10	54.3	1335	-	-
5	1	10	53.1	1303	-	-
6	2	10	69.4	1503	1546	-
7	2	10	69.1	1279	1639	-
8	3	10	100	1375	1438	1595
9	2	10	79.6	1239	1705	-
10	3	10	88.4	1374	1579	1623
11	1	10	53.3	1016	-	-
12	1	10	65.3	1709	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_19
Number of Bursts in Trial: 14
Chirp Center Frequency: 5496.39MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	55.3	1920	-	-
2	1	12	58.3	1797	-	-
3	2	12	72.3	1610	1039	-
4	3	12	84.8	1131	1761	1721
5	2	12	82.5	1875	1431	-
6	1	12	63.3	1095	-	-
7	2	12	80	1119	1913	-
8	3	12	90.3	1660	1853	1123
9	3	12	91.1	1539	1783	1172
10	3	12	96.6	1525	1036	1385
11	2	12	82.7	1710	1990	-
12	1	12	50.7	1234	-	-
13	2	12	78.4	1047	1109	-
14	3	12	99.5	1299	1965	1869

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_20
Number of Bursts in Trial: 12
Chirp Center Frequency: 5495.59MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	10	88.6	1501	1067	1927
2	1	10	57.4	1723	-	-
3	3	10	96.6	1086	1658	1324
4	2	10	69.7	1751	1945	-
5	2	10	77.9	1642	1317	-
6	1	10	62	1866	-	-
7	3	10	88.4	1997	1077	1366
8	3	10	97.3	1790	1896	1367
9	3	10	96.2	1391	1787	1672
10	3	10	95.4	1020	1892	1414
11	1	10	54.8	1084	-	-
12	2	10	80.4	1850	1436	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_21
Number of Bursts in Trial: 16
Chirp Center Frequency: 5562.15MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	15	74.7	1619	1611	-
2	1	15	57.1	1560	-	-
3	3	15	91.9	1392	1475	1276
4	2	15	83.1	1809	1772	-
5	1	15	50.7	1003	-	-
6	2	15	79.2	1574	1600	-
7	1	15	58.7	1186	-	-
8	2	15	71	1521	1567	-
9	2	15	79	1777	1960	-
10	2	15	68.5	1284	1428	-
11	2	15	73.5	1904	1352	-
12	2	15	70.5	1864	1115	-
13	2	15	76.6	1045	1300	-
14	2	15	81.2	1160	1675	-
15	1	15	61.8	1277	-	-
16	3	15	94.9	1450	1206	1860

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_22
Number of Bursts in Trial: 12
Chirp Center Frequency: 5564.55MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	9	78.5	1653	1698	-
2	3	9	89.8	1174	1962	1167
3	1	9	59.4	1982	-	-
4	2	9	79.6	1633	1890	-
5	2	9	76	1112	1811	-
6	1	9	53.6	1144	-	-
7	2	9	80.9	1220	1053	-
8	1	9	61.6	1724	-	-
9	1	9	53.4	1901	-	-
10	1	9	59.9	1379	-	-
11	1	9	60.4	1453	-	-
12	3	9	91.4	1768	1726	1227

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_23
Number of Bursts in Trial: 20
Chirp Center Frequency: 5560.15MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	20	77	1191	1363	-
2	1	20	58.1	1248	-	-
3	1	20	62.1	1836	-	-
4	2	20	76.9	1334	1236	-
5	2	20	80	1914	1852	-
6	1	20	52	1701	-	-
7	3	20	88.6	1693	1995	1905
8	2	20	72.9	1922	1387	-
9	3	20	98.5	1839	1746	1389
10	1	20	57.9	1193	-	-
11	3	20	95.9	1659	1870	1066
12	1	20	53.5	1162	-	-
13	3	20	92	1745	1654	1458
14	1	20	57.3	1834	-	-
15	2	20	70.5	1684	1586	-
16	2	20	70	1042	1664	-
17	3	20	84	1765	1630	1176
18	2	20	76.1	1557	1057	-
19	3	20	93.2	1985	1018	1340
20	3	20	96.8	1760	1614	1817

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_24
Number of Bursts in Trial: 14
Chirp Center Frequency: 5563.35MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	12	50.1	1841	-	-
2	3	12	93.5	1590	1081	1413
3	2	12	68.8	1707	1577	-
4	1	12	56.3	1056	-	-
5	3	12	86	1953	1108	1987
6	2	12	75.2	1572	1536	-
7	1	12	54.4	1517	-	-
8	2	12	71.1	1329	1243	-
9	2	12	76.2	1940	1770	-
10	2	12	80.2	1098	1209	-
11	2	12	79.7	1588	1214	-
12	3	12	90.9	1615	1862	1601
13	2	12	68.7	1377	1441	-
14	2	12	67.4	1872	1313	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_25
Number of Bursts in Trial: 13
Chirp Center Frequency: 5563.75MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	11	94	1643	1748	1941
2	2	11	70.8	1177	1201	-
3	1	11	56.3	1006	-	-
4	3	11	96.7	1230	1163	1332
5	3	11	90.6	1217	1582	1498
6	2	11	74.5	1569	1281	-
7	3	11	92.6	1065	1669	1222
8	3	11	89	1493	1135	1380
9	3	11	96.5	1607	1822	1602
10	2	11	70.5	1141	1178	-
11	3	11	94	1009	1629	1956
12	1	11	55.8	1290	-	-
13	3	11	87.7	1435	1963	1164

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_26
Number of Bursts in Trial: 8
Chirp Center Frequency: 5566.15MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	2	5	68.6	1306	1161	-
2	2	5	83.1	1420	1315	-
3	1	5	60.9	1687	-	-
4	2	5	77.7	1776	1158	-
5	2	5	77.4	1793	1510	-
6	2	5	66.8	1576	1323	-
7	1	5	63.7	1333	-	-
8	3	5	91.2	1409	1681	1275

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_27
Number of Bursts in Trial: 17
Chirp Center Frequency: 5561.75MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	16	83.6	1632	1195	1000
2	3	16	89.4	1173	1627	1656
3	1	16	55.8	1532	-	-
4	3	16	90.9	1981	1554	1998
5	1	16	54.7	1825	-	-
6	3	16	97.7	1734	1202	1250
7	2	16	67.5	1571	1434	-
8	3	16	96.7	1589	1469	1268
9	2	16	68.3	1750	1954	-
10	2	16	78.3	1591	1082	-
11	1	16	55	1427	-	-
12	3	16	84.9	1129	1936	1199
13	2	16	74.6	1959	1856	-
14	1	16	63.3	1885	-	-
15	3	16	99.8	1035	1515	1120
16	1	16	63.6	1647	-	-
17	3	16	87.3	1931	1051	1831

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_28
Number of Bursts in Trial: 19
Chirp Center Frequency: 5560.55MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	19	85.6	1946	1078	1015
2	2	19	68.6	1029	1780	-
3	1	19	54.2	1111	-	-
4	1	19	61.2	1104	-	-
5	3	19	97.1	1157	1969	1100
6	3	19	98.3	1142	1699	1622
7	1	19	62.4	1655	-	-
8	2	19	80.2	1126	1769	-
9	3	19	87.5	1216	1448	1179
10	3	19	85.8	1847	1348	1472
11	3	19	88.1	1023	1124	1631
12	1	19	65.3	1848	-	-
13	1	19	52.5	1470	-	-
14	1	19	52.3	1312	-	-
15	2	19	74.1	1915	1200	-
16	1	19	54.9	1479	-	-
17	2	19	76.2	1376	1502	-
18	1	19	60.4	1758	-	-
19	2	19	81.5	1491	1103	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_29
Number of Bursts in Trial: 12
Chirp Center Frequency: 5564.15MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	1	10	50.5	1857	-	-
2	1	10	55.7	1246	-	-
3	3	10	85.8	1774	1002	1967
4	2	10	76.9	1125	1474	-
5	2	10	75.1	1254	1052	-
6	3	10	92.3	1180	1486	1492
7	2	10	78.1	1301	1757	-
8	3	10	92.2	1898	1252	1713
9	3	10	89	1260	1706	1411
10	2	10	70.9	1578	1620	-
11	1	10	63.1	1782	-	-
12	1	10	55.3	1522	-	-

Long Pulse Radar Test Signal
Test Signal Name: LP_SIGNAL_30
Number of Bursts in Trial: 18
Chirp Center Frequency: 5561.35MHz

Burst	Pulses per Burst	Chirp (MHz)	Pulse Width (us)	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
1	3	17	83.4	1454	1205	1801
2	3	17	97.3	1319	1826	1635
3	3	17	90.4	1079	1986	1674
4	3	17	91.8	1563	1151	1802
5	3	17	98.2	1876	1977	1766
6	1	17	59.5	1952	-	-
7	2	17	80	1253	1137	-
8	3	17	86.5	1054	1128	1828
9	3	17	91.1	1105	1599	1442
10	3	17	93.5	1867	1373	1087
11	1	17	60.7	1033	-	-
12	2	17	67.2	1288	1405	-
13	1	17	61.8	1585	-	-
14	2	17	79.4	1933	1667	-
15	2	17	81.4	1096	1464	-
16	1	17	65.7	1496	-	-
17	2	17	76	1733	1255	-
18	2	17	81	1326	1668	-

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