FCC DFS Test Report

FCC ID	**: 2AGMRTRM9995G**
Equipment	**: 802.11ac WiFi Radio Module**
Brand Name	**: EVEREST^{TM} Network Solutions**
Model Name	**: TRM9995G**
Applicant / Manufacturer	**: Tembo Systems, Inc.** **2933 Bunker Hill lane, Suite 100, Santa Clara, CA 95054 U.S.A**
Standard	**: 47 CFR FCC Part 15.407**

The product was received on Mar. 20, 2018, and testing was started from Mar. 27, 2018 and completed on Mar. 27, 2018. We, SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of United States government.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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Appendix A. Test Photos

Photographs of EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FZ831528-02	01	Initial issue of report	May 02, 2018

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.3	KDB 905462 7.8.1	DFS: UNII Detection Bandwidth Measurement	PASS	100% of the 99% BW
3.4	KDB 905462 7.8.2.1	DFS: Initial Channel Availability Check Time	PASS	CAC ≥ 60 sec
3.4	KDB 905462 7.8.2.2	DFS: Radar Burst at the Beginning of the Channel Availability Check Time	PASS	Detection Threshold: -63 dBm
3.4	KDB 905462 7.8.2.3	DFS: Radar Burst at the End of the Channel Availability Check Time	PASS	Detection Threshold: -63 dBm
3.5	KDB 905462 7.8.3	DFS: In-Service Monitoring for Channel Move Time (CMT)	PASS	CMT ≤ 10sec
3.5	KDB 905462 7.8.3	DFS: In-Service Monitoring for Channel Closing Transmission Time (CCTT)	PASS	CCTT ≤ 60 ms starting at CMT 200ms
3.5	KDB 905462 7.8.3	DFS: In-Service Monitoring for Non-Occupancy Period (NOP)	PASS	NOP ≥ 30 min
3.6	KDB 905462 7.8.4	DFS: Statistical Performance Check	PASS	Table 5 - 7 (KDB 905462)
3.1.4	KDB 905462 8.1	User Access Restrictions	PASS	DFS controls

Reviewed by: Sam Tsai

Report Producer: Ivy Yuan

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FAX : 886-3-327-0973

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1   General Description

1.1   Information

1.1.1   RF General Information

Specification Items	Description		
Product Type	WLAN (4TX, 4RX)		
Radio Type	Intentional Transceiver		
Power Type	From host system		
Modulation	IEEE 802.11a: OFDM (BPSK / QPSK / 16QAM / 64QAM) IEEE 802.11n/ac: see the below table		
Data Rate (Mbps)	IEEE 802.11a: OFDM (6/9/12/18/24/36/48/54) IEEE 802.11n/ac: see the below table		
Channel Bandwidth	20/40/80 MHz operating channel bandwidth		
Operating Mode	☒	Master	
	☐	Client with radar detection	
	☐	Client without radar detection	
Communication Mode	☒	IP Based (Load Based)	☐ Frame Based
TPC Function	☒	With TPC	☐ Without TPC
Weather Band (5600~5650MHz)	☒	With 5600~5650MHz	☐ Without 5600~5650MHz
Power-on cycle	80MHz: Requires 39.17 seconds to complete its power-on cycle.		
Software / Firmware Version	Release 1.4.0		
Note: EUT employ a TPC mechanism and TPC have the capability to operate at least 6 dB below highest RF output power.			

Antenna & Bandwidth

Antenna	Four (TX)		
Band width Mode	20 MHz	40 MHz	80 MHz
IEEE 802.11a	V	X	X
IEEE 802.11n	V	V	X
IEEE 802.11ac	V	V	V

IEEE 11n/ac Spec.

Protocol	Number of Transmit Chains (NTX)	Data Rate / MCS
802.11n (HT20)	4	MCS0-31
802.11n (HT40)	4	MCS0-31
802.11ac (VHT20)	4	MCS 0-8/Nss1-4
802.11ac (VHT40)	4	MCS 0-9/Nss1-4
802.11ac (VHT80)	4	MCS 0-9/Nss1-4
Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). Then EUT support HT20 and HT40. Note 2: IEEE Std. 802.11ac modulation consists of VHT20, VHT40, VHT80 and VHT160 (VHT: Very High Throughput). Then EUT support VHT20, VHT40 and VHT80. Note 3: Modulation modes consist of below configuration: 11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n, VHT20/VHT40/VHT80: IEEE 802.11ac		

1.1.2 Antenna Information

Ant. Set	Brand Holder	Band	Model Name	Antenna Type	Connector	Gain (dBi)	TX Function	Host system Mode1
1	Tembo Systems Inc.	Band 1	PCA-000032-000X/ PCA-000024-000-X	Omni Antenna	I-PEX	Note	4TX/4RX	AP24I612
		Band 2	PCA-000032-000X/ PCA-000024-000-X					
		Band 3	PCA-000020-000-X					
2		Band 4	PCA-000032-000X/ PCA-000025-000-X					

Note:

Ant. Set	Band	Gain (dBi)	Matrix+Cable Loss	True Gain (dBi)	Array Gain
1	Band 1	6.25	3.2	3.05	4
1	Band 2	6.75	3.2	3.55	4
1	Band 3	6.40	1.5	4.9	4
2	Band 4	6.10	6.1	0	4

Remark: For more detailed features description, please refer to the specifications.

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1.1.3   DFS Band Carrier Frequencies

There are three bandwidth systems.

For 20MHz bandwidth systems, use Channel 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140.

For 40MHz bandwidth systems, use Channel 54, 62, 102, 110, 118, 126, 134.

For 80MHz bandwidth systems, use Channel 58, 106, 122.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5250~5350 MHz Band 2	52	5260 MHz	60	5300 MHz
	54	5270 MHz	62	5310 MHz
	56	5280 MHz	64	5320 MHz
	58	5290 MHz	-	-
5470~5725 MHz Band 3	100	5500 MHz	120	5600 MHz
	102	5510 MHz	122	5610 MHz
	104	5520 MHz	124	5620 MHz
	106	5530 MHz	126	5630 MHz
	108	5540 MHz	128	5640 MHz
	110	5550 MHz	132	5660 MHz
	112	5560 MHz	134	5670 MHz
	116	5580 MHz	136	5680 MHz
	118	5590 MHz	140	5700 MHz

1.1.4   Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FZ650411-01

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Add New antennas	All test items were evaluated.

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1.2   Support Equipment

No.	Equipment	Brand Name	Model Name	FCC ID
Support Equipment				
1	Client(Slave)	TP-LINK	Archer T2UH	TE7T2UH
2	NoteBook	DELL	Latitude E5550	-
3	Adapter for NB	DELL	FA90PSO-00	-
4	NoteBook	DELL	Latitude E5540	-
5	Adapter for NB	DELL	FA90PSO-00	-
6	fixture	EVERESTTM Network Solutions	AP24I612	-

Note: Support equipment No.6 was provided by customer.

1.3   Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

⬥   KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

1.4   Testing Location Information

Testing Location					
☒ HWA YA	ADD	:	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)		
	TEL	:	886-3-327-3456 FAX : 886-3-327-0973		
Test site Designation No. TW1190 with FCC.					
☐ JHUBEI	ADD	:	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.		
	TEL	:	886-3-656-9065 FAX : 886-3-656-9085		
Test site Designation No. TW0006 with FCC.					
Test Condition	Test Site No.	Test Engineer		Test Environment	Test Date
DFS Site	DF03-HY	Dexter		25.3°C / 55%	27/Mar/2018

2   Test Configuration of EUT

2.1   Test Channel Frequencies Configuration

Test Channel Frequencies Configuration	
IEEE Std.	**Test Channel Freq. (MHz)**
802.11ac (VHT20)	5500 MHz
802.11ac (VHT40)	5510 MHz
802.11ac (VHT80)	5530 MHz

2.2   The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Dynamic Frequency Selection (DFS)
Test Condition	Radiated measurement The EUT shall be configured to operate at the highest transmitter output power setting. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the lowest gain shall be used. The DFS radar test signals have been aligned to the direction corresponding to the EUT's maximum antenna gain.
Modulation Mode	802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80)

3   Dynamic Frequency Selection (DFS) Test Result

3.1   General DFS Information

3.1.1   DFS Parameters

Table D.1: DFS requirement values	
Parameter	**Value**
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds (Note 1).
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second periods. (Notes 1 and 2).
U-NII Detection Bandwidth	Minimum 100% of the 99% power bandwidth (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 Channel changes (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 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

Table D.2: Interference threshold values	
Maximum Transmit Power	**Value (see note)**
EIRP ≥ 200 mW	-64 dBm
EIRP < 200 mW and PSD < 10dBm/MHz	-62 dBm
EIRP < 200 mW and PSD ≥ 10dBm/MHz	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911.

3.1.2   Applicability of DFS Requirements Prior to Use of a Channel

Requirement	DFS Operational mode		
	Master	**Client without radar detection**	**Client with radar detection**
Non-Occupancy Period	Yes	Not required (See the note)	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Note :
According to KDB 905462 D03 Client Without DFS New Rules v01r02 (b) 6."An analyzer plot that contains a single 30-minute sweep on the original channel "

3.1.3   Applicability of DFS Requirements during Normal Operation

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

Additional requirements for devices with multiple bandwidth modes	Master Device 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.		

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3.1.4　User Access Restrictions

	User Access Restrictions
☒	DFS controls (hardware or software) related to radar detection are NOT accessible to the user. Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

3.1.5　Channel Loading/Data Streaming

☐	The data file (MPEG-4) has been transmitting in a streaming mode.
☒	Software to ping the client is permitted to simulate data transfer with random ping intervals.
☒	Minimum channel loading of approximately 17%.
☐	Unicast protocol has been used.

3.2 Radar Test Waveform Calibration

3.2.1 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1	See Note 1
1A	1	15 unique PRI in KDB 905462 D02 Table 5a	$Roundup\left\{\left(\dfrac{1}{360}\right)\times\left(\dfrac{19\times10^{6}}{PRI}\right)\right\}$	60%	15
1B	1	15 unique PRI within 518-3066, Excluding 1A PRI		60%	15
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.					

A minimum of 30 unique waveforms are required for each of the short pulse radar types 1 through 4. If more than 30 waveforms are used for short pulse radar types 1 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

3.2.2 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 Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Each waveform is defined as follows:
◆ The transmission period for the Long Pulse Radar test signal is 12 seconds.
◆ There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
◆ Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
◆ The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
◆ Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and

ends at 5310 MHz.

* If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
* The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst Count. Each interval is of length (12,000,000 / Burst Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst Count) – (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

3.2.3   Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	0.333	300	70%	30
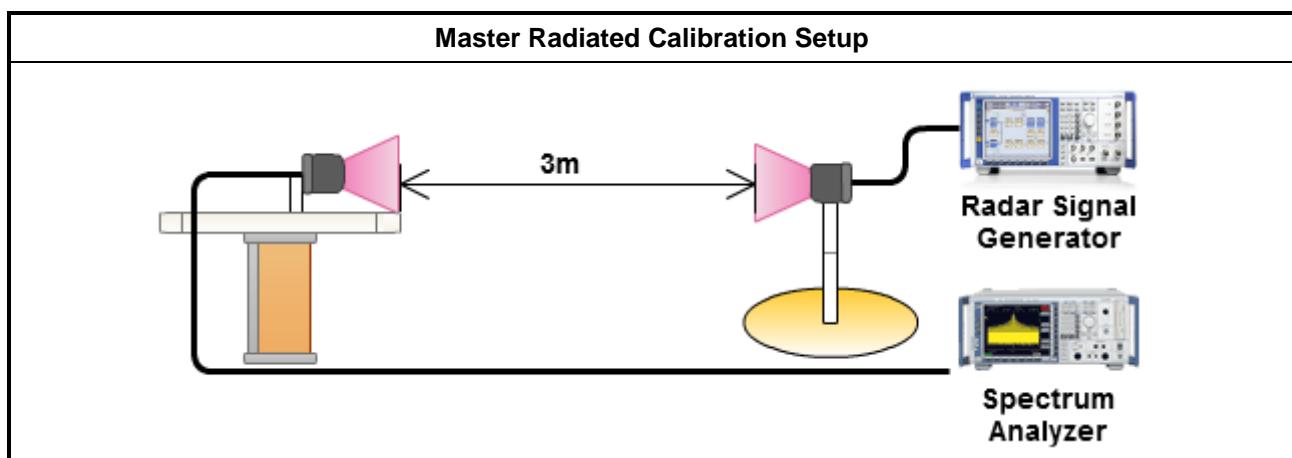
The FCC Type 6 waveform uses a static waveform with 100 bursts in the instruments ARB. In addition, the RF list mode is operated with a list containing 100 frequencies from a randomly generated list and it had be ensured that at least one of the random frequencies falls into the UNII Detection Bandwidth of the DUT. Each burst from the waveform file initiates a trigger pulse at the beginning that switches the RF list from one item to the next one.

3.2.4   DFS Threshold Level

DFS Threshold Level	
DFS Threshold level: -63 dBm	☐ at the antenna connector
	☒ in front of the antenna
The Interference **Radar Detection Threshold Level** is is *-64 dBm + 0 [dBi] + 1 dB =* -63 dBm. That had been been taken into account the output power range and antenna gain.	
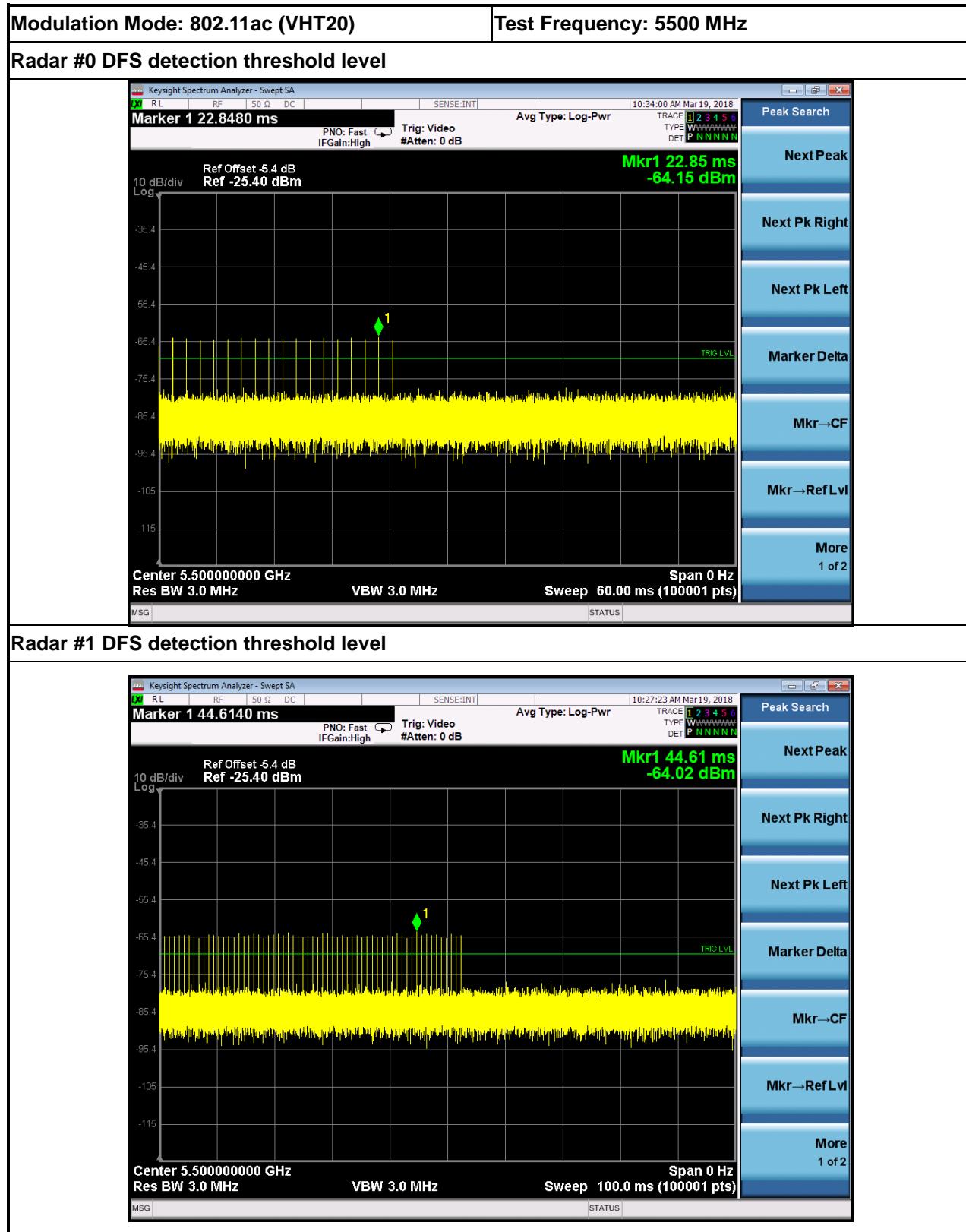
3.2.5   Calibration Setup
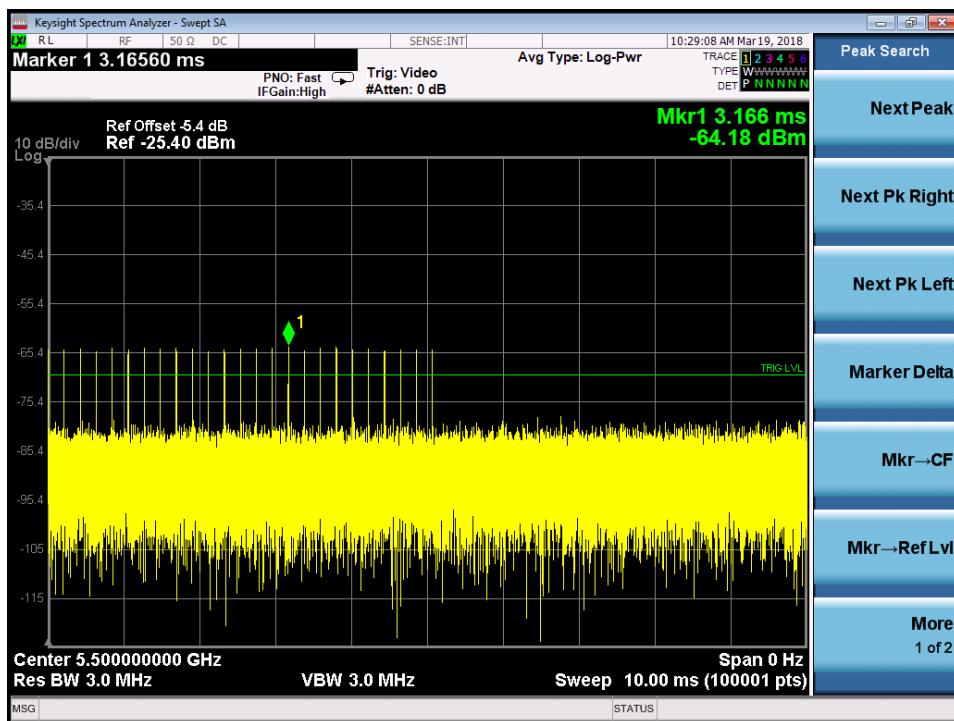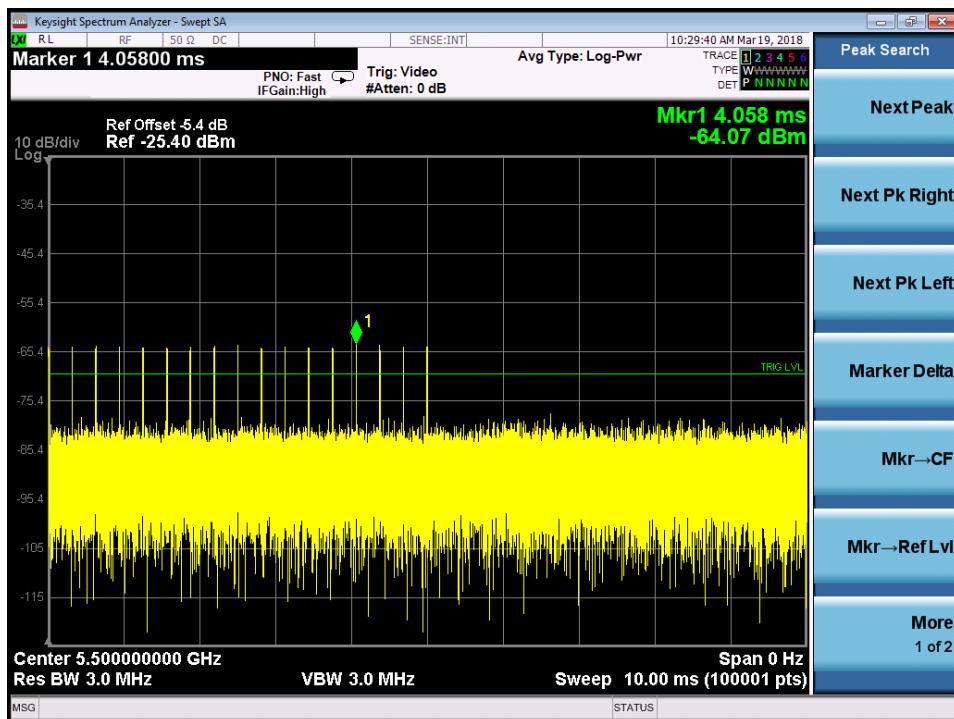
Master Radiated Calibration Setup
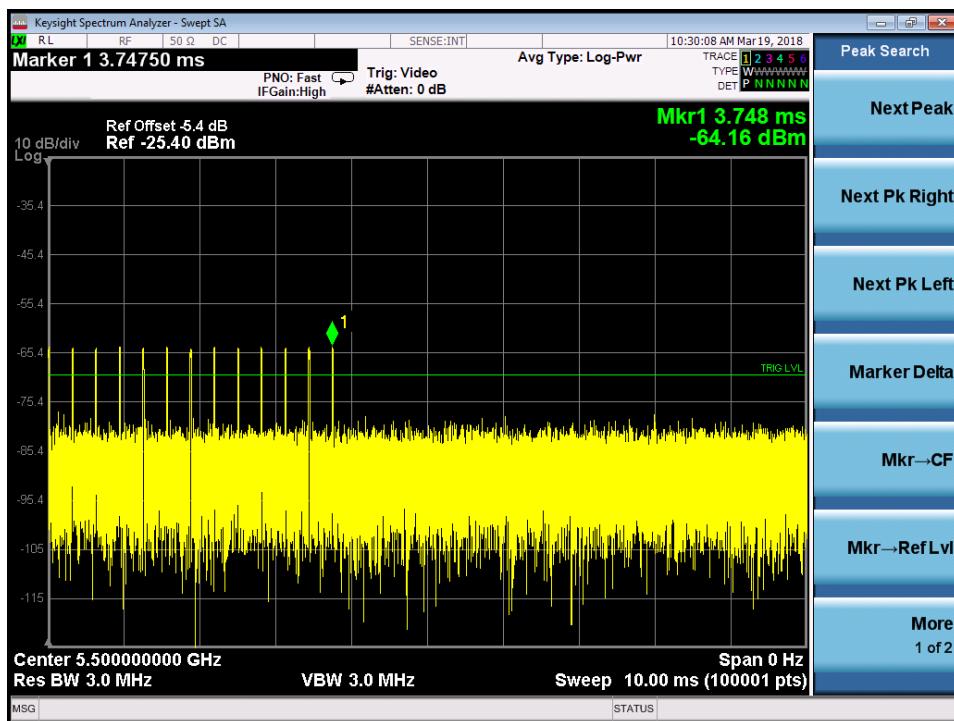
3.2.6   Radar Waveform calibration Plot

Modulation Mode: 802.11ac (VHT20)	Test Frequency: 5500 MHz

Radar #0 DFS detection threshold level

Radar #1 DFS detection threshold level
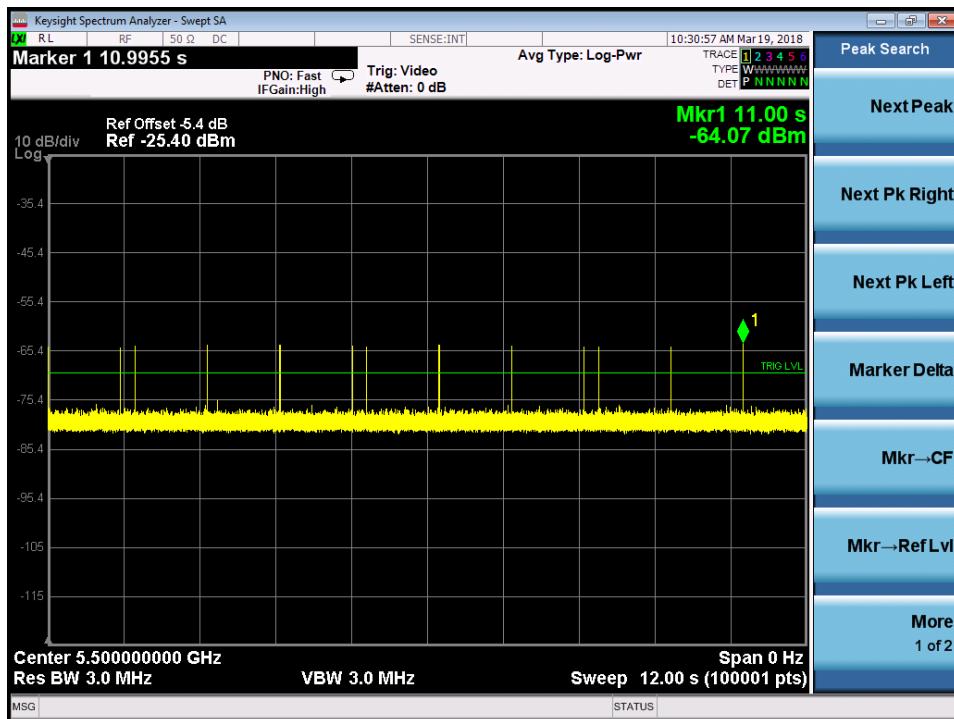
Radar #2 DFS detection threshold level

Radar #3 DFS detection threshold level

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Radar #4 DFS detection threshold level
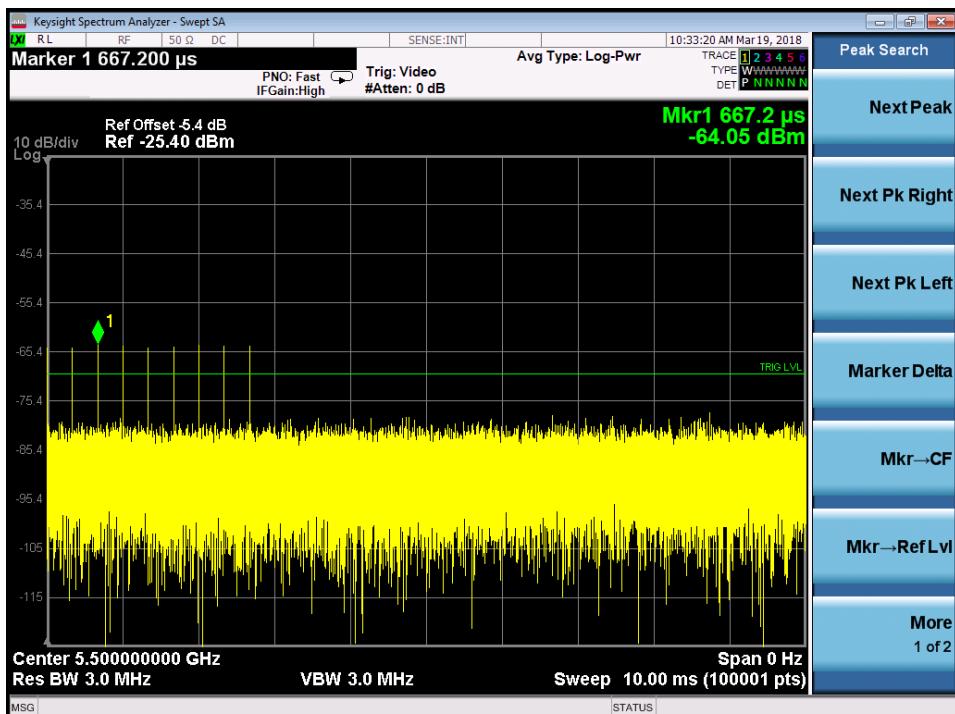
Radar #5 DFS detection threshold level
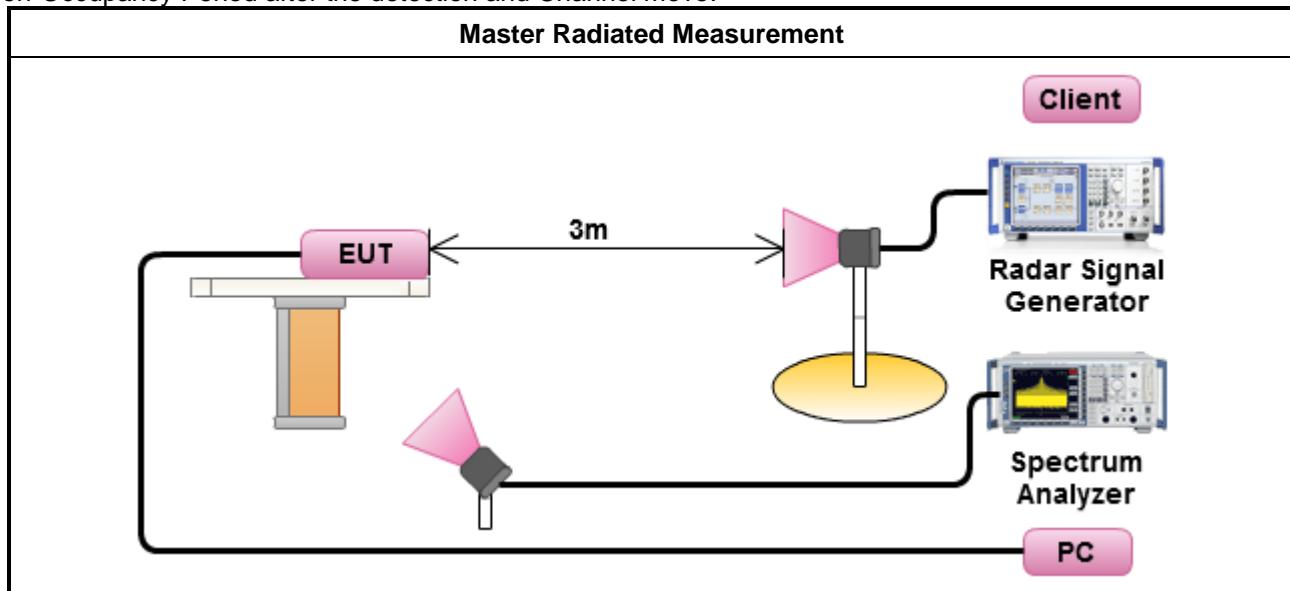
Radar #6 DFS detection threshold level

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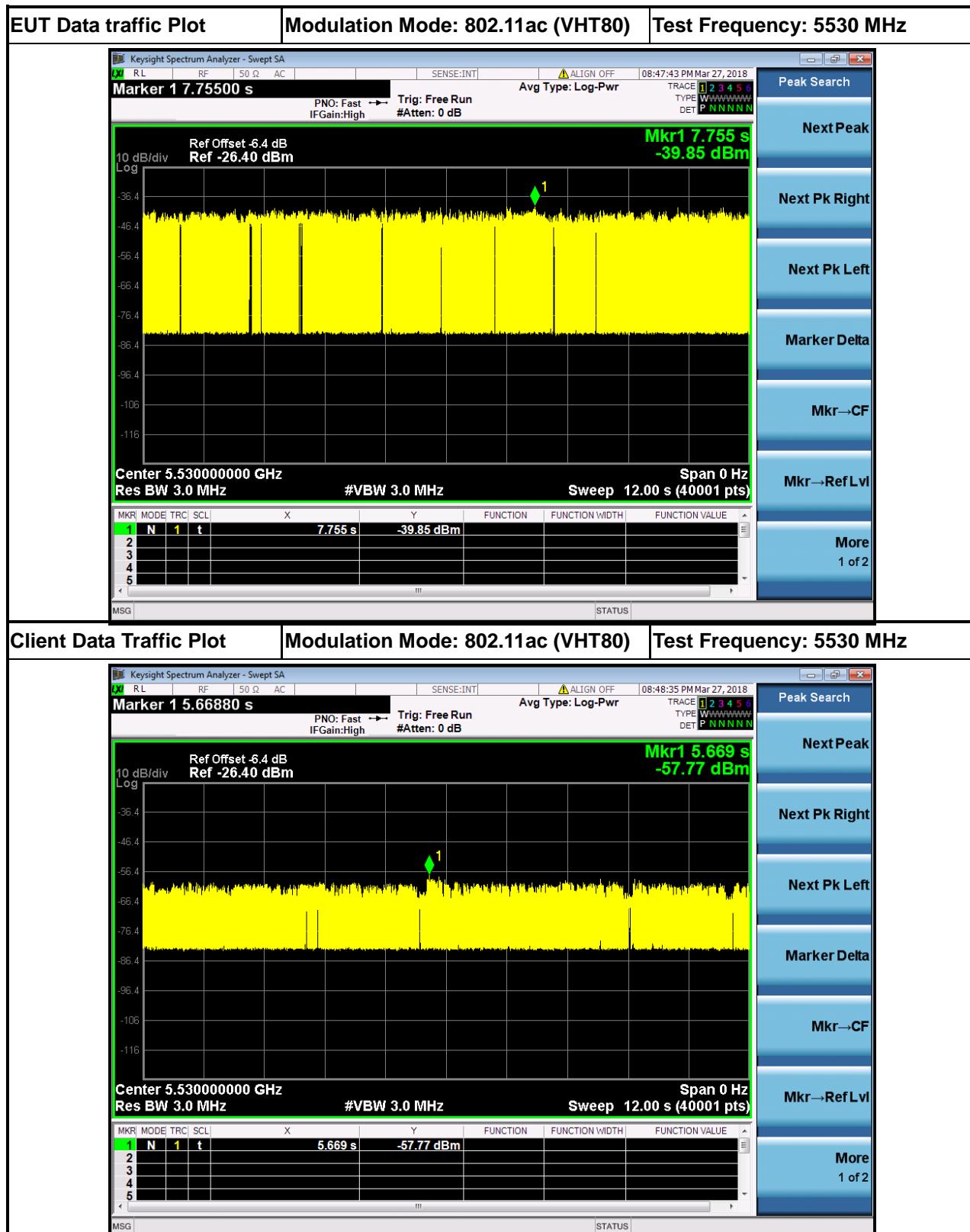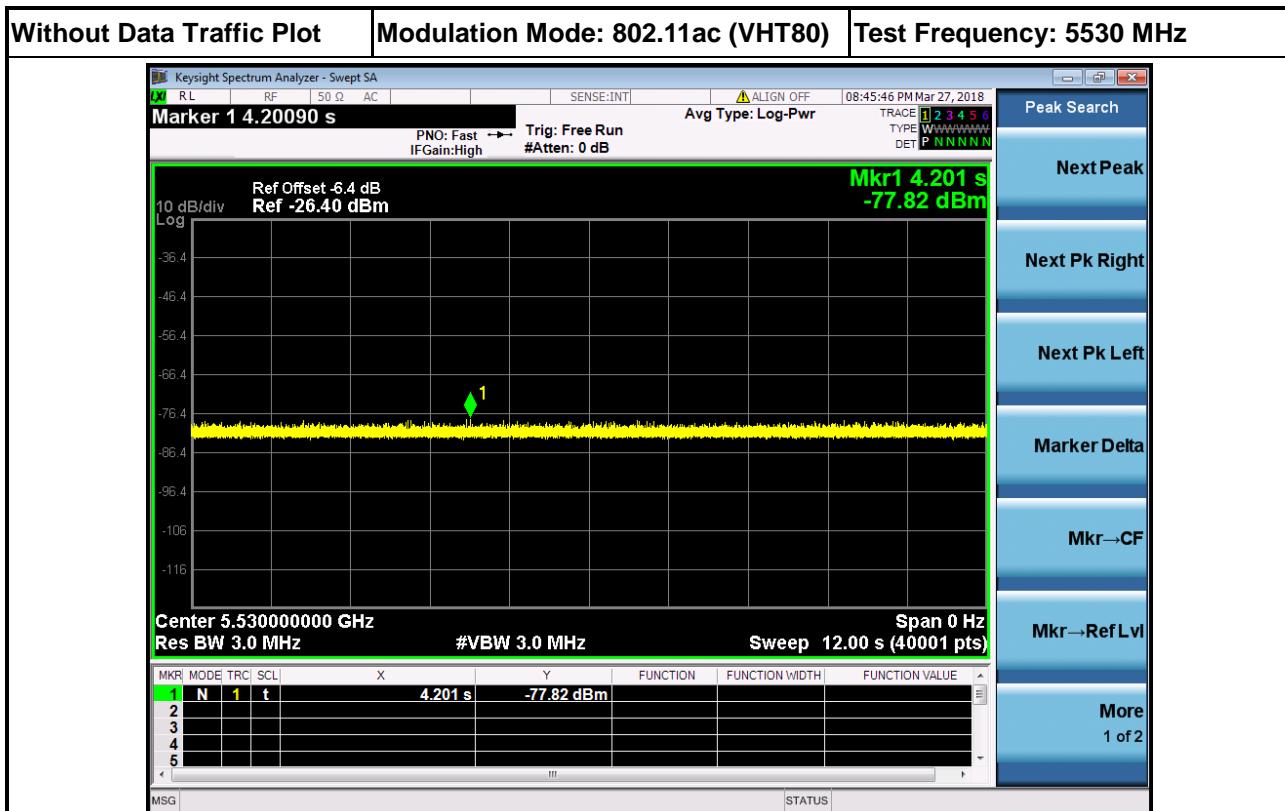
3.2.7　Test Setup

A spectrum analyzer is used as a monitor to verify that the EUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move.

Master Radiated Measurement

3.2.8 Data traffic Plot

EUT Data traffic Plot	Modulation Mode: 802.11ac (VHT80)	Test Frequency: 5530 MHz

Client Data Traffic Plot	Modulation Mode: 802.11ac (VHT80)	Test Frequency: 5530 MHz

Without Data Traffic Plot	Modulation Mode: 802.11ac (VHT80)	Test Frequency: 5530 MHz

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3.3   UNII Detection Bandwidth

3.3.1   UNII Detection Bandwidth Limit

Channel Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	UNII Detection Bandwidth Min. Limit (MHz)
20	18.126	19
40	36.543	37
80	76.175	77
UNII Detection Bandwidth is minimum 100% of the 99% power bandwidth. A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time.		

3.3.2   Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3   Test Procedures

Test Method
☒ During the U-NII Detection Bandwidth detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic. The EUT is set up as a standalone device (no associated Client and no traffic). The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as F_H. The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as F_L. UNII Detection Bandwidth = F_H - F_L.

3.3.4 Test Result of UNII Detection Bandwidth

EUT Frequency=5500 MHz											
Channel Bandwidth (MHz)	**20**										
Radar Frequency (MHz)	**DFS Detection Trials (1=Detection, 0= No Detection)**										
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0%
5490	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5511	0	0	0	0	0	0	0	0	0	0	0%
Radar Type 0-Detection Bandwidth (MHz) =											20
UNII Detection Bandwidth Min. Limit (MHz) =											19
Test Result											**Complied**

EUT Frequency=5510 MHz											
Channel Bandwidth (MHz)	40										
Radar Frequency (MHz)	**DFS Detection Trials (1=Detection, 0= No Detection)**										
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0%
5490	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5531	0	0	0	0	0	0	0	0	0	0	0%
Radar Type 0-Detection Bandwidth (MHz) =											40
UNII Detection Bandwidth Min. Limit (MHz) =											37
Test Result											**Complied**

EUT Frequency=5530 MHz											
Channel Bandwidth (MHz)	**80**										
Radar Frequency (MHz)	**DFS Detection Trials (1=Detection, 0= No Detection)**										
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5489	0	0	0	0	0	0	0	0	0	0	0%
5490	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5550	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5566	1	1	1	1	1	1	1	1	1	1	100%
5567	1	1	1	1	1	1	1	1	1	1	100%
5568	1	1	1	1	1	1	1	1	1	1	100%
5569	1	1	1	1	1	1	1	1	1	1	100%
5570	1	1	1	1	1	1	1	1	1	1	100%
5571	0	0	0	0	0	0	0	0	0	0	0%
Radar Type 0-Detection Bandwidth (MHz) =											80
UNII Detection Bandwidth Min. Limit (MHz) =											77
Test Result											**Complied**

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3.4   Channel Availability Check (CAC)

3.4.1   Channel Availability Check Limit

Channel Availability Check Limit
☒   The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute (60 sec) on the intended operating frequency.

3.4.2   Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3   Test Procedures

Test Method
☒   For Initial Channel Availability Check Time. The EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the UNII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.
☒   For Radar Burst at the Beginning of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the Beginning of the Channel Availability Check Time.
☒   For Radar Burst at the End of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the End of the Channel Availability Check Time.

3.4.4 Test Result of Initial Channel Availability Check Time

Modulation Mode	Freq.	Radar Test Signal
802.11ac (VHT80)	5530 MHz	N/A

Test Result	**Complied**	

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3.4.5 Test Result of Radar Burst at the Beginning of the Channel Availability Check Time

Modulation Mode	Freq. (MHz)	Radar Type Signal
802.11ac (VHT80)	5530 MHz	0

Test Result	Complied

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3.4.6 Test Result of Radar Burst at the End of the Channel Availability Check Time

Modulation Mode	Freq. (MHz)	Radar Type Signal
802.11ac (VHT80)	5530 MHz	0

Test Result	Complied

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3.5   In-service Monitoring

3.5.1   In-service Monitoring Limit

In-service Monitoring Limit	
Channel Move Time	10 sec
Channel Closing Transmission Time	200 ms + an aggregate of 60 ms over remaining 10 sec periods.
Non-occupancy period	Minimum 30 minutes

3.5.2   Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3   Test Procedures

Test Method
☒   Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time limits.
☒   Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. One 60 sec plot needs to be reported for the Short Pulse Radar Types 0. And zoom-in a 60 ms plot verified channel closing time for the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.
☒   Verified during In-Service Monitoring; Non-Occupancy Period. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Non-Occupancy Period). Compare the Non-Occupancy Period limits.
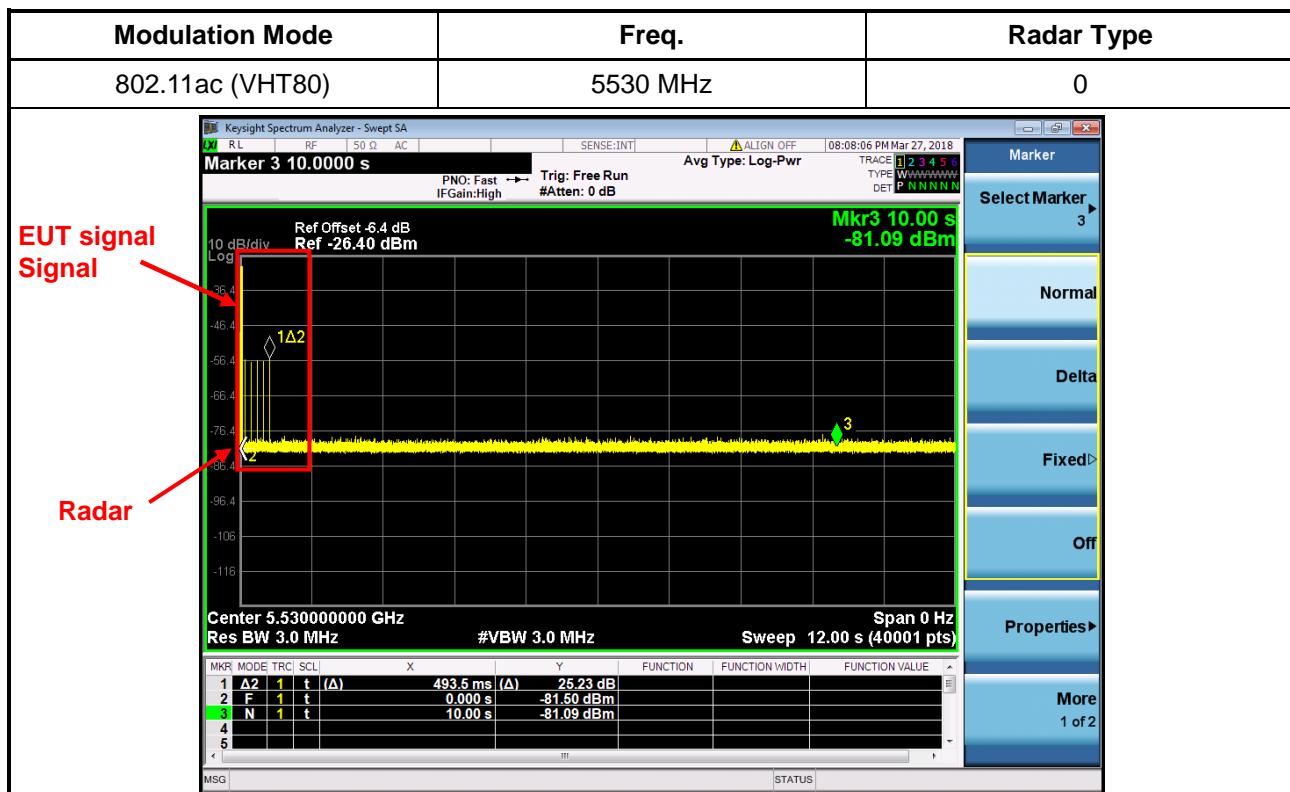
3.5.4 Test Result of In-service Monitoring

Modulation Mode: 802.11ac (VHT80)

Parameter	Test Result	Limit
	Type 0	
Test Channel (MHz)	5530 MHz	-
Channel Move Time (sec.)	0.4935	< 10s
Channel Closing Transmission Time (ms) (Note)	2.1	< 60ms
Non-Occupancy Period (min.)	≧30	≧ 30 min
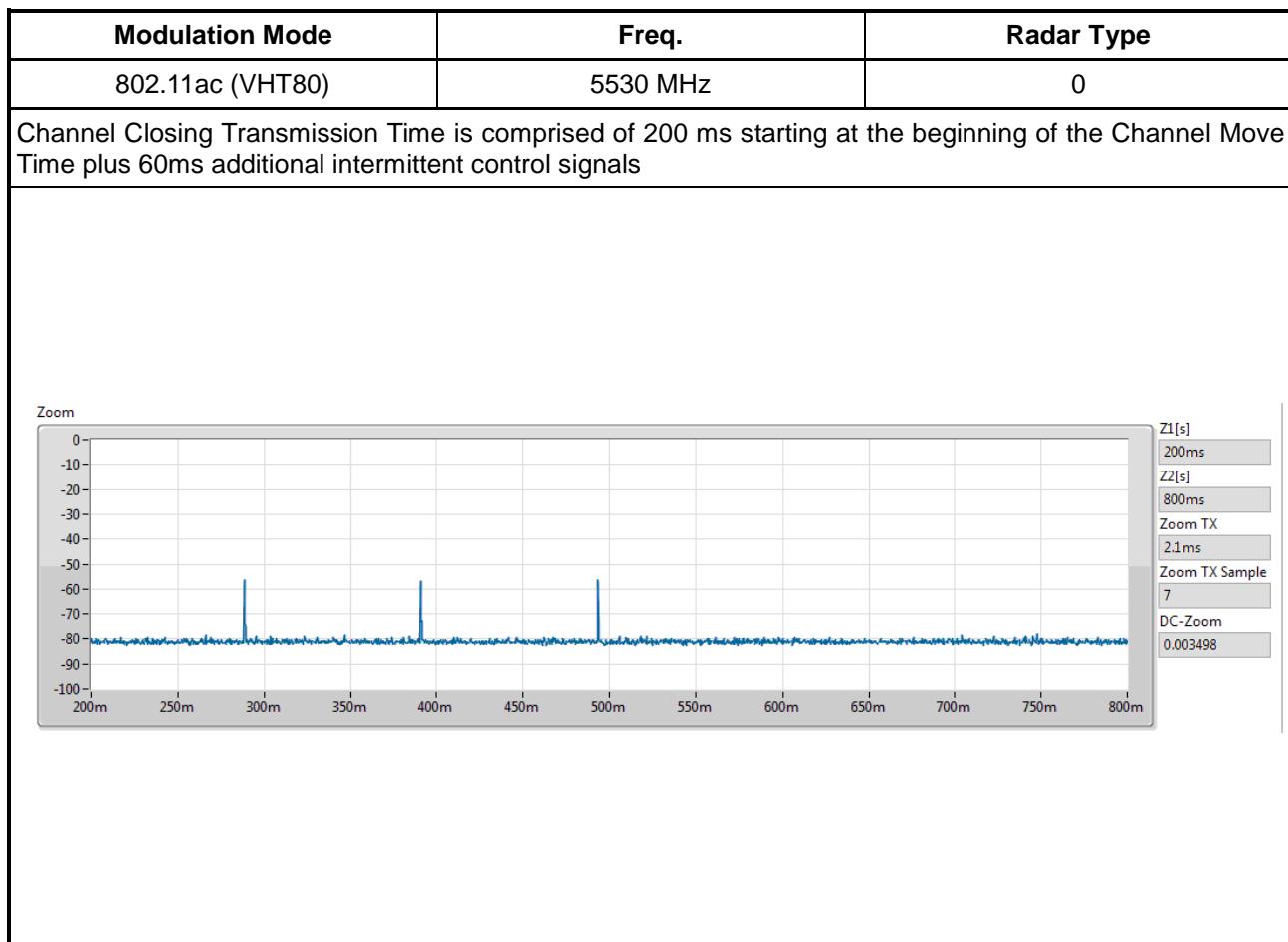
Note: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the

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 seconds period. The aggregate duration of

control signals will not count quiet periods in between transmissions.

3.5.5 Test Plot of In-Service Monitoring for Channel Move Time

Modulation Mode	Freq.	Radar Type
802.11ac (VHT80)	5530 MHz	0

3.5.6   Test Plot of In-Service Monitoring for Channel Closing Transmission Time

Modulation Mode	Freq.	Radar Type
802.11ac (VHT80)	5530 MHz	0

Channel Closing Transmission Time is comprised of 200 ms starting at the beginning of the Channel Move Time plus 60ms additional intermittent control signals

Dwell is the dwell time per spectrum analyzer sampling bin.

S is the sweep time

B is the number of spectrum analyzer sampling bins

C is the intermittent control signals of Channel Closing Transmission Time
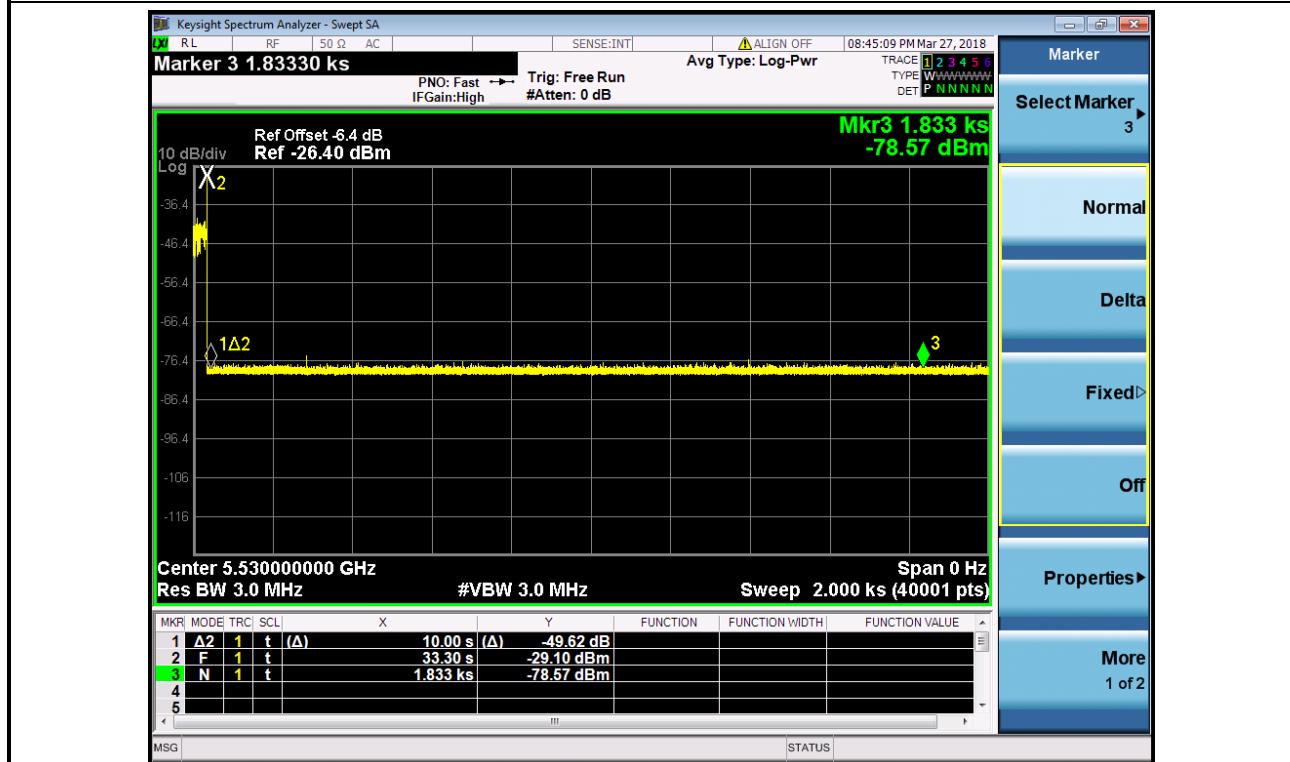
N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission

3.5.7 Test Plot of In-Service Monitoring for Non-Occupancy Period

Modulation Mode	Freq.
802.11ac (VHT80)	5530 MHz

Non-Occupancy Period

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

3.6 Statistical Performance Check

3.6.1 Statistical Performance Check Limit

Radar Type	Minimum Percentage of Successful Detection (Pd)	Minimum Trials
1	60%	30
2	60%	30
3	60%	30
4	60%	30
Aggregate (Radar Types 1-4)	80%	120
5	80%	30
6	70%	30

The percentage of successful detection is calculated by:

$$\frac{TotalWaveformDetections}{TotalWaveformTrails} \times 100 = Probability\ of\ Detection\ Radar\ Waveform$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:
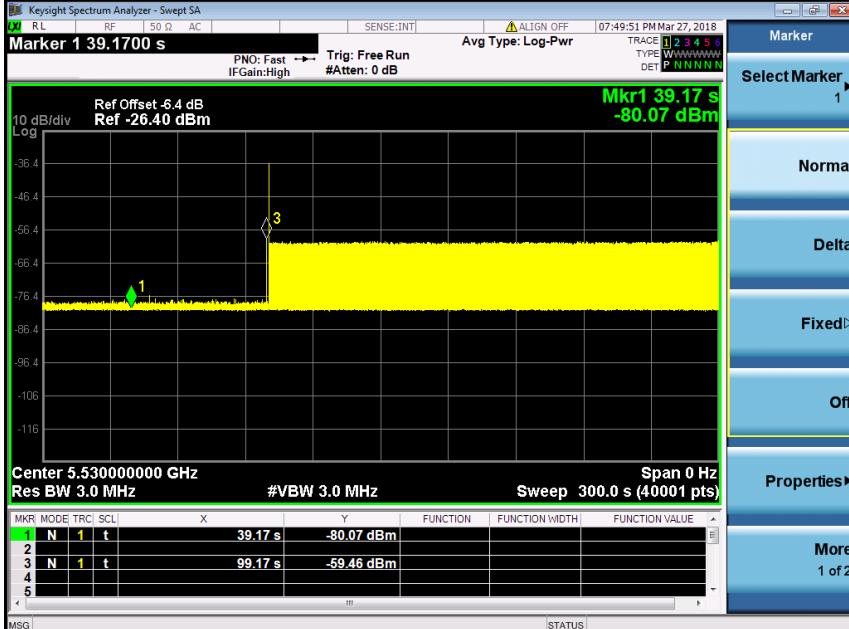
$$\frac{Pd1 + Pd2 + Pd3 + Pd4}{4}$$

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method
☒ For Statistical Performance Check test. Demonstrating a minimum channel loading of approximately 17% or greater of the test. Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 1-4 and 6 to ensure detection occurs. Then Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

3.6.4 Test Result of Statistical Performance Check

Modulation Mode: 802.11ac (VHT20)

Type 1 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulse Per Second)	PRI (us)	1=Detection 0=No Detection
1	5493	1	1930.5	518	1
2	5491	23	326.2	3066	1
3	5495	19	1139.0	878	1
4	5496	12	1355.0	738	1
5	5497	4	1730.1	578	1
6	5498	8	1519.8	658	1
7	5499	15	1253.1	798	1
8	5500	6	1618.1	618	1
9	5501	14	1285.3	778	1
10	5502	3	1792.1	558	1
11	5503	13	1319.3	758	1
12	5504	9	1474.9	678	1
13	5505	7	1567.4	638	1
14	5506	17	1193.3	838	1
15	5507	10	1432.7	698	1
16	5506	-	1692.0	591	1
17	5505	-	328.1	3048	1
18	5504	-	373.4	2678	1
19	5503	-	574.4	1741	1
20	5509	-	1216.5	822	1
21	5501	-	801.3	1248	1
22	5500	-	488.5	2047	1
23	5499	-	956.0	1046	1
24	5498	-	517.6	1932	1
25	5497	-	1422.5	703	1
26	5496	-	542.0	1845	1
27	5495	-	741.3	1349	1
28	5494	-	881.8	1134	1
29	5493	-	427.4	2340	1
30	5494	-	628.9	1590	1
Detection Percentage (%)					100.000
Limit					60%
Test Result					**Complied**

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Type 2 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5493	2.6	221	23	1
2	5491	4.6	198	27	1
3	5495	1.1	184	29	1
4	5496	4.8	203	24	1
5	5497	2.4	162	25	1
6	5498	3.4	204	28	1
7	5499	2.3	170	27	1
8	5500	3.5	184	23	1
9	5501	4.9	150	27	1
10	5502	4.6	211	29	1
11	5503	2.9	158	23	1
12	5504	2.6	226	27	1
13	5505	1.6	204	26	1
14	5506	3.9	181	25	1
15	5507	4.6	202	24	1
16	5506	4.1	194	27	1
17	5505	2.3	193	28	1
18	5504	3.9	173	29	1
19	5503	4.3	188	23	1
20	5509	1.5	215	26	1
21	5501	4.9	227	27	1
22	5500	1.1	199	23	1
23	5499	4.5	155	29	1
24	5498	4.0	190	27	1
25	5497	2.4	151	23	1
26	5496	2.5	180	28	1
27	5495	2.5	228	23	1
28	5494	2.5	203	25	1
29	5493	1.5	188	25	1
30	5494	1.9	217	24	1
Detection Percentage (%)					100.000
Limit					60%
Test Result					**Complied**

Type 3 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection ; 0=No Detection
1	5493	8.0	205	16	1
2	5491	6.7	382	18	1
3	5495	8.6	418	16	1
4	5496	9.4	351	17	1
5	5497	7.4	383	18	1
6	5498	9.8	232	16	1
7	5499	9.1	377	17	1
8	5500	9.6	457	16	1
9	5501	8.0	471	18	1
10	5502	9.0	304	18	1
11	5503	8.0	316	17	1
12	5504	9.8	325	16	1
13	5505	8.0	409	17	1
14	5506	9.9	200	17	1
15	5507	8.8	458	16	1
16	5506	8.0	232	18	1
17	5505	8.3	250	16	1
18	5504	8.7	270	16	1
19	5503	7.7	350	17	1
20	5509	7.1	230	16	1
21	5501	7.3	416	18	1
22	5500	7.6	498	18	1
23	5499	7.3	286	17	1
24	5498	7.3	287	16	1
25	5497	7.5	462	17	1
26	5496	6.2	300	17	1
27	5495	6.4	323	18	0
28	5494	7.1	420	16	1
29	5493	7.2	395	18	1
30	5494	8.4	377	16	1
Detection Percentage (%)					96.667
Limit					60%
Test Result					**Complied**

Type 4 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5493	18.0	242	15	1
2	5491	19.9	279	12	1
3	5495	12.9	487	14	1
4	5496	15.0	452	13	1
5	5497	16.3	230	12	1
6	5498	19.8	238	13	1
7	5499	18.2	420	16	1
8	5500	16.3	452	15	1
9	5501	14.2	495	12	1
10	5502	17.8	228	16	1
11	5503	19.1	211	16	1
12	5504	18.4	283	15	1
13	5505	11.8	411	12	1
14	5506	14.2	284	13	1
15	5507	13.9	202	12	0
16	5506	17.8	340	14	1
17	5505	15.6	290	16	1
18	5504	14.6	250	16	1
19	5503	14.4	484	15	1
20	5509	18.9	387	13	1
21	5501	11.1	348	15	1
22	5500	13.8	291	16	1
23	5499	14.3	295	12	1
24	5498	12.5	300	12	0
25	5497	12.5	322	14	1
26	5496	12.5	383	13	1
27	5495	15.7	322	16	1
28	5494	19.8	469	13	1
29	5493	18.6	406	15	1
30	5494	15.9	238	14	1
Detection Percentage (%)					93.333
Limit					60%
Test Result					**Complied**

Total Type 1~4 Radar Statistical Performance

Radar Type #	Detection Percentage (%)
1	100.000
2	100.000
3	96.667
4	93.333
Aggregate (Radar Types 1-4)	97.500
Limit	80%
Test Result	**Complied**

Type 5 Radar Statistical Performance

Center Freq. (MHz)	Low Edge (MHz)	High Edge (MHz)	VSG Freq. (MHz)	Detection
5500	5490.5	5509.5		
Trial	Chirp	Offset		
1	11	0	5500.00	1
2	5	0	5500.00	1
3	20	0	5500.00	1
4	13	0	5500.00	1
5	11	0	5500.00	1
6	16	0	5500.00	1
7	11	0	5500.00	1
8	20	0	5500.00	1
9	9	0	5500.00	1
10	15	0	5500.00	1
11	20	1.50	5498.50	1
12	6	7.10	5492.90	1
13	13	4.30	5495.70	1
14	10	5.50	5494.50	1
15	16	3.10	5496.90	1
16	11	5.10	5494.90	1
17	7	6.70	5493.30	1
18	15	3.50	5496.50	1
19	7	6.70	5493.30	1
20	20	1.50	5498.50	1
21	6	7.10	5507.10	1
22	11	5.10	5505.10	1
23	16	3.10	5503.10	1
24	6	7.10	5507.10	1
25	9	5.90	5505.90	1
26	10	5.50	5505.50	1
27	18	2.30	5502.30	1
28	19	1.90	5501.90	1
29	14	3.90	5503.90	1
30	13	4.30	5504.30	1
Total				30
Detection Percentage (%)				100%
Limit				80%
Test Result				**Complied**

Data Sheet for Radar Type 5

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		1
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
591291	70	11	2	1208	1481	-
815216	51.8	11	1	1896	-	-
117197	97.9	11	3	1255	1463	1169
340497	75.4	11	2	1776	1116	-
563700	70.6	11	2	1361	1483	-
786312	85.5	11	3	1168	1155	1192
89901	70.6	11	2	1078	1126	-
312423	97.5	11	3	1237	1833	1540
536877	64.5	11	1	1698	-	-
759212	81.4	11	2	1575	1490	-
62185	99.2	11	3	1350	1982	1902
285880	54.7	11	1	1722	-	-
508479	75.7	11	2	1594	1682	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		2
Burst of Number	8	**Burst Period(s)**	1.5	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
1190042	68.2	5	2	1790	1952	-
56652	84.7	5	3	1714	1515	1061
419783	69.6	5	2	1458	1500	-
783608	56.5	5	1	1533	-	-
1144211	84.2	5	3	1322	1988	1910
11992	56.5	5	1	1411	-	-
374471	97.5	5	3	1353	1981	1974
738925	54.4	5	1	1365	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	3	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
439705	70	20	2	1001	1246	-
583092	84.7	20	3	1198	1120	1552
132117	55.3	20	1	1264	-	-
277048	64.5	20	1	1871	-	-
421122	68.6	20	2	1381	1894	-
564997	93.7	20	3	1306	1111	1754
113465	96.8	20	3	1996	1535	1742
258948	78.3	20	2	1239	1166	-
403936	76.7	20	2	1221	1107	-
545928	86.2	20	3	1947	1800	1806
96115	72.3	20	2	1504	1176	-
241508	64.6	20	1	1382	-	-
384855	95.4	20	3	1598	1117	1511
528969	85.4	20	3	1631	1870	1152
78179	73.2	20	2	1729	1649	-
223000	77.7	20	2	1815	1238	-
368464	65.7	20	1	1941	-	-
510325	90.2	20	3	1899	1935	1819
60248	98.9	20	3	1194	1675	1570
205316	79.6	20	2	1245	1375	-

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Statistical Performance Check Result							
Radar Test Signal (#)		5		Trail #		4	
Burst of Number	14	Burst Period(s)	0.8571429	Waveform Length(s)	12	Frequency	Center
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-2 (us)	PRI-3 (us)
501575	51	13	1	1542		-	-
707132	98.7	13	3	1613		1219	1066
60818	91.5	13	3	1072		1397	1549
267493	87	13	3	1253		1748	1762
475767	66.3	13	1	1987		-	-
680475	86.6	13	3	1785		1777	1797
35313	95.2	13	3	1482		1137	1844
242662	73.5	13	2	1059		1475	-
449288	98	13	3	1180		1480	1096
657034	74.6	13	2	1324		1427	-
9842	92.4	13	3	1133		1753	1378
217141	82	13	2	1236		1259	-
422905	87.8	13	3	1803		1842	1900
631115	72.9	13	2	1559		1726	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	5	
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
902081	100	11	3	1258	1396	1493
206352	67.1	11	2	1492	1179	-
429145	92.5	11	3	1410	1150	1042
653709	60.9	11	1	1399	-	-
877441	52	11	1	1193	-	-
178469	91.8	11	3	1686	1403	1569
402251	73.8	11	2	1067	1218	-
625039	69.2	11	2	1841	1229	-
847087	87.9	11	3	1073	1416	1755
151064	95.2	11	3	1197	1512	1756
374324	76.8	11	2	1437	1879	-
596338	90.1	11	3	1352	1925	1666
820999	80.4	11	2	1586	1132	-

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Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	6	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**		**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
94587	82.8	16	2		1332	1689	-
265527	61.5	16	1		1764	-	-
435227	91.9	16	3		1301	1024	1167
605381	90.8	16	3		1277	1091	1354
73476	94	16	3		1185	1805	1109
244588	57.6	16	1		1487	-	-
414781	67.8	16	2		1026	1554	-
586578	53.4	16	1		1110	-	-
52576	71.4	16	2		1583	1653	-
222476	93.3	16	3		1791	1766	1296
393218	68.4	16	2		1678	1890	-
562777	98.2	16	3		1510	1605	1418
31603	82	16	2		1300	1523	-
201756	98.6	16	3		1020	1070	1990
372162	73.3	16	2		1999	1709	-
542921	80.3	16	2		1205	1908	-
10620	52	16	1		1445	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	7	
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
236763	93.9	11	3	1325	1401	1265
458923	90.3	11	3	1962	1647	1876
683506	76.8	11	2	1499	1242	-
906848	72.4	11	2	1595	1013	-
209338	85.5	11	3	1048	1368	1438
433316	56	11	1	1646	-	-
654365	85.2	11	3	1784	1878	1389
880256	54.8	11	1	1659	-	-
181618	88.1	11	3	1927	1928	1307
405781	57.1	11	1	1664	-	-
629680	55.8	11	1	1039	-	-
852332	81.8	11	2	1050	1038	-
154801	60.7	11	1	1557	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	8	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
244340	96.4	20	3	1226	1572	2000
390950	60.1	20	1	1346	-	-
534907	76.3	20	2	1441	1284	-
82690	56.2	20	1	1273	-	-
227993	62.4	20	1	1031	-	-
372695	62	20	1	1940	-	-
517788	56	20	1	1889	-	-
64471	83.9	20	3	1106	1311	1930
209097	98.4	20	3	1260	1022	1606
354143	74.3	20	2	1178	1917	-
499561	70	20	2	1069	1249	-
46749	69.5	20	2	1773	1652	-
191589	78.6	20	2	1347	1603	-
336486	73.9	20	2	1177	1608	-
481767	74.1	20	2	1153	1089	-
28998	62.7	20	1	1944	-	-
173769	70.1	20	2	1224	1672	-
317895	93.3	20	3	1217	1015	1957
464152	50.5	20	1	1929	-	-
11067	89	20	3	1945	1615	1847

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Statistical Performance Check Result						
Radar Test Signal (#)			5		**Trail #**	9
Burst of Number	11	**Burst Period(s)**	1.0909091	**Waveform Length(s)**	12	**Frequency**	Center

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
283763	85.8	9	3	1451	1023	1821
548478	51.3	9	1	1960	-	-
809743	86.6	9	3	1998	1989	1778
1077369	63.2	9	1	1270	-	-
251895	57.9	9	1	1730	-	-
514624	97.4	9	3	1488	1953	1309
780737	55.4	9	1	1002	-	-
1044449	56.6	9	1	1654	-	-
218719	86	9	3	1683	1425	1787
483655	55.9	9	1	1417	-	-
747738	50.5	9	1	1641	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	10	
Burst of Number	9	**Burst Period(s)**	0.75	**Waveform Length(s)**	12	**Frequency**	Center

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
695151	61.9	15	1	1713	-	-
128132	71.6	15	2	1320	1648	-
309769	60.6	15	1	1862	-	-
489296	97	15	3	1244	1669	1873
672580	58.2	15	1	1954	-	-
105804	71.9	15	2	1694	1351	-
286805	75.7	15	2	1869	1591	-
467329	86.1	15	3	1161	1266	1887
650589	61.2	15	1	1544	-	-
83455	74.3	15	2	1934	1415	-
264701	68.2	15	2	1422	1478	-
444952	95.5	15	3	1657	1214	1610
628454	65.9	15	1	1276	-	-
61315	56.8	15	1	1335	-	-
242712	52.9	15	1	1881	-	-
424295	56.8	15	1	1634	-	-

Statistical Performance Check Result						
Radar Test Signal (#)			5	Trail #		11
Burst of Number	20	Burst Period(s)	0.6	Waveform Length(s)	12	Frequency |$F_L+(0.4*\text{Chirp width})$
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
483494	82.2	20	2	1691	1029	-
31130	61.1	20	1	1623	-	-
175309	92.1	20	3	1303	1697	1836
320742	68	20	2	1362	1450	-
466659	63.9	20	1	1426	-	-
13250	55.3	20	1	1823	-	-
157701	92.9	20	3	1232	1191	1763
302865	75	20	2	1571	1312	-
446764	95	20	3	1254	1650	1207
591996	73.6	20	2	1550	1846	-
140621	63	20	1	1121	-	-
283899	98.4	20	3	1343	1977	1926
430680	65.1	20	1	1725	-	-
575746	56.5	20	1	1761	-	-
122072	99.4	20	3	1241	1118	1973
266724	98	20	3	1588	1304	1028
410761	92.5	20	3	1484	1733	1473
556827	73.8	20	2	1574	1310	-
104794	58	20	1	1380	-	-
248823	97.9	20	3	1443	1326	1376

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	12	
Burst of Number	9	**Burst Period(s)** 1.3333333	**Waveform Length(s)** 12	**Frequency**	F_L+(0.4*Chirp width)	
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
878323	68	6	2	1562	1223	-
1201036	77	6	2	1576	1195	-
193430	65.9	6	1	1019	-	-
515373	90.9	6	3	1728	1142	1206
837168	94.4	6	3	1333	1997	1685
1162414	57.1	6	1	1479	-	-
153280	89.3	6	3	1447	1536	1062
476708	64.6	6	1	1156	-	-
798519	67.6	6	2	1975	1319	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #		13
Burst of Number	14	Burst Period(s)	0.8571429	Waveform Length(s)	12	Frequency F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
721573	55.9	13	1	1087	-	-
72983	70.6	13	2	1516	1373	-
280517	56.4	13	1	1822	-	-
488047	54.9	13	1	1667	-	-
692783	90.5	13	3	1636	1670	1736
47463	73.3	13	2	1462	1435	-
253983	95.6	13	3	1681	1897	1538
460713	94	13	3	1555	1620	1780
667923	87.9	13	3	1140	1812	1329
21923	86.7	13	3	1095	1456	1097
229477	56.6	13	1	1581	-	-
436459	78.8	13	2	1308	1289	-
642305	85.7	13	3	1299	1852	1315
852309	51.9	13	1	1250	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	14	
Burst of Number	12	**Burst Period(s)**	1	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
237287	84.6	10	3	1314	1508	1611
480167	58.8	10	1	1472	-	-
721239	77.4	10	2	1092	1904	-
963224	71	10	2	1139	1671	-
208121	54.6	10	1	1673	-	-
449554	74.9	10	2	1469	1738	-
691801	70.3	10	2	1233	1263	-
934484	52.9	10	1	1687	-	-
177771	92.1	10	3	1433	1826	1355
419126	98.9	10	3	1915	1407	1428
662911	55.1	10	1	1125	-	-
902272	88.9	10	3	1635	1045	1643

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	15	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
104782	55.1	16	1	1331	-	-
274485	95.2	16	3	1288	1262	1779
446644	51.1	16	1	1157	-	-
615134	73.6	16	2	1965	1963	-
83697	56.7	16	1	1637	-	-
254526	66	16	1	1563	-	-
424104	78.2	16	2	1872	1746	-
596368	57.3	16	1	1323	-	-
62396	89.1	16	3	1882	1328	1370
233528	53	16	1	1432	-	-
404155	56.6	16	1	1824	-	-
572746	93.4	16	3	1699	1269	1507
41534	74.7	16	2	1498	1593	-
211866	83.3	16	2	1585	1892	-
383319	53.8	16	1	1460	-	-
553954	53.9	16	1	1727	-	-
20589	54.5	16	1	1356	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	16	
Burst of Number	13	**Burst Period(s)** 0.9230769	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
249549	87.2	11	3	1529	1868	1392
473814	51.3	11	1	1772	-	-
696747	69.1	11	2	1145	1305	-
919852	82.3	11	2	1614	1012	-
222458	75	11	2	1477	1898	-
445510	81.4	11	2	1625	1760	-
669234	82	11	2	1290	1173	-
891674	66.9	11	2	1526	1801	-
194770	86.2	11	3	1172	1980	1227
417571	84.6	11	3	1932	1394	1079
640275	89.8	11	3	1601	1071	1880
862582	97.4	11	3	1985	1745	1316
167886	52.9	11	1	1294	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	17	
Burst of Number	9	**Burst Period(s)** 1.3333333	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
564844	78.5	7	2	1406	1829	-
888379	57.6	7	1	1820	-	-
1208797	99.8	7	3	1248	1692	1645
202812	51.5	7	1	1298	-	-
525477	68.1	7	2	1088	1213	-
848768	50.3	7	1	1558	-	-
1169382	92.8	7	3	1580	1573	1114
162951	64.2	7	1	1854	-	-
485678	79.9	7	2	1011	1387	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		18
Burst of Number	16	**Burst Period(s)**	0.75	**Waveform Length(s)**	12	**Frequency** $F_L+(0.4*Chirp\ width)$
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
452762	90.6	15	3	1885	1390	1371
636546	50.5	15	1	1103	-	-
69136	78.3	15	2	1485	1175	-
250688	62.9	15	1	1768	-	-
431876	81.6	15	2	1211	1044	-
613696	52.2	15	1	1684	-	-
46710	84	15	3	1704	1338	1209
227355	96.3	15	3	1920	1674	1384
409287	71.3	15	2	1292	1421	-
590397	71.1	15	2	1818	1060	-
24536	66.3	15	1	1055	-	-
205244	98.5	15	3	1712	1448	1291
387827	54.9	15	1	1043	-	-
566988	97.5	15	3	1749	1158	1404
2150	86.1	15	3	1607	1867	1436
183641	56.5	15	1	1721	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	19	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
649004	80.2	7	2	1476	1792	-
972632	63.8	7	1	1837	-	-
1294265	69.1	7	2	1455	1715	-
287125	56.7	7	1	1234	-	-
609502	70.5	7	2	1127	1633	-
931751	81.5	7	2	1629	1783	-
1253215	88.5	7	3	1147	1810	1604
247305	60	7	1	1363	-	-
568977	86.1	7	3	1212	1662	1696

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	20	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
400523	74.5	20	2	1775	1082	-
544232	99.1	20	3	1564	1074	1442
92772	93.7	20	3	1995	1235	1293
238062	73.1	20	2	1006	1337	-
383830	65.2	20	1	1068	-	-
529131	53.4	20	1	1021	-	-
75357	61.2	20	1	1553	-	-
219129	90.3	20	3	1807	1912	1551
365634	57.2	20	1	1565	-	-
510479	60.8	20	1	1909	-	-
57360	68.5	20	2	1626	1163	-
202693	54	20	1	1340	-	-
347847	62.1	20	1	1408	-	-
490344	99.8	20	3	1556	1877	1230
39483	79.7	20	2	1701	1622	-
184461	82.9	20	2	1302	1164	-
328025	89.9	20	3	1520	1638	1769
475199	63.2	20	1	1336	-	-
21678	68.6	20	2	1502	1256	-
166512	81	20	2	1398	1420	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #		21
Burst of Number	9	Burst Period(s)	1.3333333	Waveform Length(s)	12	Frequency	F_H-(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
694608	54.5	6	1	1034	-	-
1016456	73.6	6	2	1590	1115	-
8551	60.1	6	1	1933	-	-
331564	63.7	6	1	1505	-	-
653496	95.1	6	3	1405	1075	1220
975332	88	6	3	1628	1744	1202
1297079	86.6	6	3	1271	1914	1921
291425	73.6	6	2	1188	1924	-
614597	57.5	6	1	1916	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #		22
Burst of Number	13	Burst Period(s)	0.9230769	Waveform Length(s)	12	Frequency	F_H-(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
648947	59.4	11	1	1464	-	-
872834	59.1	11	1	1077	-	-
174442	62	11	1	1104	-	-
397033	68.2	11	2	1747	1711	-
619847	76.8	11	2	1972	1816	-
844713	57	11	1	1706	-	-
146857	53.2	11	1	1367	-	-
369203	90.4	11	3	1731	1446	1170
592949	73.2	11	2	1201	1710	-
817479	56.1	11	1	1377	-	-
119201	67.7	11	2	1130	1171	-
342999	55.1	11	1	1007	-	-
566579	58.1	11	1	1090	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	23	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
601322	97.7	16	3	1345	1186	1735
69798	86.6	16	3	1578	1884	1521
240236	67.6	16	2	1861	1813	-
411573	52.4	16	1	1913	-	-
581299	68	16	2	1719	1414	-
49079	64	16	1	1828	-	-
218917	89.4	16	3	1765	1548	1453
389991	73.8	16	2	1690	1216	-
560724	80.6	16	2	1327	1280	-
27969	68.2	16	2	1893	1857	-
198477	69.9	16	2	1474	1501	-
368635	79	16	2	1619	1964	-
539754	81.5	16	2	1395	1160	-
7017	50.9	16	1	1366	-	-
177018	88.9	16	3	1080	1978	1740
347849	80	16	2	1339	1850	-
518155	78.1	16	2	1503	1848	-

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Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	24	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**		**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
1303061	77.3	6		2	1858	1937	-
296120	66.9	6		2	1452	1703	-
618053	87.6	6		3	1461	1679	1471
941705	82.8	6		2	1058	1582	-
1262467	97.9	6		3	1561	1786	1369
256754	51.6	6		1	1225	-	-
579778	56.4	6		1	1349	-	-
900681	85.8	6		3	1708	1025	1781
1223080	85.3	6		3	1357	1971	1057

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Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	25	
Burst of Number	11	**Burst Period(s)**	1.0909091	**Waveform Length(s)**	12	**Frequency**	$F_H-(0.4*Chirp$ width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**		**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
177128	92.7	9		3	1040	1064	1252
441120	76.5	9		2	1567	1231	-
703834	92.6	9		3	1739	1434	1457
968288	66.7	9		2	1774	1737	-
144880	57.1	9		1	1532	-	-
408948	50.9	9		1	1907	-	-
672738	75.9	9		2	1054	1383	-
935219	96.5	9		3	1802	1341	1046
112148	75.9	9		2	1951	1400	-
376130	73.5	9		2	1053	1677	-
638910	96.2	9		3	1531	1865	1268

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	26	
Burst of Number	12	**Burst Period(s)**	1	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
826712	92.6	10	3	1834	1000	1983
72998	69.9	10	2	1849	1518	-
314688	72.5	10	2	1489	1958	-
555527	84.2	10	3	1831	1182	1967
797115	83.8	10	3	1843	1348	1459
43224	78.8	10	2	1412	1979	-
284734	91	10	3	1295	1086	1705
526386	92.2	10	3	1003	1723	1148
767431	89.3	10	3	1660	1724	1200
13435	95.4	10	3	1439	1190	1942
255680	56.1	10	1	1358	-	-
497683	64.3	10	1	1759	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #	27	
Burst of Number	19	Burst Period(s)	0.6315789	Waveform Length(s)	12	Frequency	F_H-(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
466662	60.4	18	1	1883	-	-
616742	95.2	18	3	1991	1243	1334
142355	78.8	18	2	1016	1100	-
295519	50.7	18	1	1051	-	-
446771	67.6	18	2	1527	1874	-
599225	75.4	18	2	1809	1486	-
123039	99.9	18	3	1010	1970	1741
275129	85	18	3	1330	1318	1943
428981	61.1	18	1	1968	-	-
580996	66.7	18	2	1644	1065	-
104670	82.7	18	2	1313	1261	-
257432	71.4	18	2	1027	1037	-
410696	62.9	18	1	1162	-	-
561441	81.3	18	2	1939	1630	-
86077	63.9	18	1	1122	-	-
239011	61.1	18	1	1047	-	-
390966	68.9	18	2	1204	1402	-
544078	53.1	18	1	1950	-	-
66876	85.1	18	3	1468	1129	1959

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	28	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
208292	75.1	19	2	1577	1919	-
354271	65.3	19	1	1286	-	-
495997	83.9	19	3	1955	1534	1969
45716	85.5	19	3	1624	1587	1386
191235	57.3	19	1	1105	-	-
334080	94.4	19	3	1901	1992	1495
481017	53.3	19	1	2000	-	-
27921	99	19	3	1379	1789	1592
172578	69.1	19	2	1922	1830	-
318204	60.7	19	1	1839	-	-
463599	64.3	19	1	1423	-	-
10138	96.6	19	3	1680	1440	1702
154700	90	19	3	1798	1009	1196
298982	86.6	19	3	1413	1524	1596
445818	62.1	19	1	1287	-	-
589319	82.1	19	2	1159	1856	-
137185	71.5	19	2	1621	1119	-
281563	78.3	19	2	1888	1860	-
427881	50.1	19	1	1359	-	-
572624	58.3	19	1	1825	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	29	
Burst of Number	15	**Burst Period(s)**	0.8	**Waveform Length(s)**	12	**Frequency** F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
159228	71	14	2	1700	1429	-
352518	76	14	2	1895	1181	-
544323	88.6	14	3	1364	1961	1903
737838	85	14	3	1757	1281	1372
135567	75.8	14	2	1099	1174	-
328212	87.2	14	3	1285	1014	1984
522698	51.1	14	1	1994	-	-
715290	71.3	14	2	1525	1528	-
111884	52.4	14	1	1210	-	-
305327	64.8	14	1	1966	-	-
497761	79.9	14	2	1938	1811	-
691696	73.2	14	2	1661	1143	-
87610	86.1	14	3	1993	1282	1665
281813	60.2	14	1	1041	-	-
474637	81.1	14	2	1617	1017	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	30	
Burst of Number	14	**Burst Period(s)**	0.8571429	**Waveform Length(s)**	12	**Frequency**	F_H+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
713761	99.1	13	3	1466	1853	1864
68606	76.6	13	2	1948	1018	-
276396	59.6	13	1	1030	-	-
482744	71.4	13	2	1513	1793	-
691089	56.4	13	1	1743	-	-
43150	64.2	13	1	1752	-	-
250293	76.4	13	2	1251	1579	-
457068	80.8	13	2	1838	1782	-
665070	74.2	13	2	1093	1247	-
17534	96.8	13	3	1855	1771	1135
224742	70.1	13	2	1658	1283	-
430908	92.7	13	3	1618	1514	1795
638128	84.8	13	3	1430	1279	1509
847663	50.7	13	1	1519	-	-

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Type 6 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulses / Hop	Pulse Width (us)	PRI (us)	1=Detection 0=No Detection
1	5500	9	1	333	1
2	5500	9	1	333	1
3	5500	9	1	333	1
4	5500	9	1	333	1
5	5500	9	1	333	1
6	5500	9	1	333	0
7	5500	9	1	333	1
8	5500	9	1	333	1
9	5500	9	1	333	1
10	5500	9	1	333	1
11	5500	9	1	333	1
12	5500	9	1	333	1
13	5500	9	1	333	1
14	5500	9	1	333	1
15	5500	9	1	333	0
16	5500	9	1	333	1
17	5500	9	1	333	1
18	5500	9	1	333	1
19	5500	9	1	333	1
20	5500	9	1	333	1
21	5500	9	1	333	1
22	5500	9	1	333	1
23	5500	9	1	333	1
24	5500	9	1	333	1
25	5500	9	1	333	1
26	5500	9	1	333	1
27	5500	9	1	333	1
28	5500	9	1	333	1
29	5500	9	1	333	1
30	5500	9	1	333	1
Detection Percentage (%)					100.000
Limit					70%
Test Result					**Complied**

Modulation Mode: 802.11ac (VHT40)

Type 1 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulse Per Second)	PRI (us)	1=Detection 0=No Detection
1	5496	1	1930.5	518	1
2	5497	23	326.2	3066	1
3	5498	19	1139.0	878	1
4	5499	12	1355.0	738	1
5	5500	4	1730.1	578	1
6	5501	8	1519.8	658	1
7	5502	15	1253.1	798	1
8	5503	6	1618.1	618	1
9	5504	14	1285.3	778	1
10	5505	3	1792.1	558	1
11	5506	13	1319.3	758	1
12	5507	9	1474.9	678	1
13	5508	7	1567.4	638	1
14	5509	17	1193.3	838	1
15	5510	10	1432.7	698	1
16	5511	-	1692.0	591	1
17	5512	-	328.1	3048	1
18	5513	-	373.4	2678	1
19	5514	-	574.4	1741	1
20	5515	-	1216.5	822	1
21	5516	-	801.3	1248	1
22	5517	-	488.5	2047	1
23	5518	-	956.0	1046	1
24	5519	-	517.6	1932	1
25	5520	-	1422.5	703	1
26	5521	-	542.0	1845	1
27	5522	-	741.3	1349	1
28	5523	-	881.8	1134	1
29	5524	-	427.4	2340	1
30	5525	-	628.9	1590	1
Detection Percentage (%)					100.000
Limit					60%
Test Result					**Complied**

Type 2 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5496	2.6	221	23	1
2	5497	4.6	198	27	1
3	5498	1.1	184	29	0
4	5499	4.8	203	24	1
5	5500	2.4	162	25	1
6	5501	3.4	204	28	1
7	5502	2.3	170	27	1
8	5503	3.5	184	23	1
9	5504	4.9	150	27	1
10	5505	4.6	211	29	1
11	5506	2.9	158	23	1
12	5507	2.6	226	27	1
13	5508	1.6	204	26	1
14	5509	3.9	181	25	0
15	5510	4.6	202	24	1
16	5511	4.1	194	27	1
17	5512	2.3	193	28	1
18	5513	3.9	173	29	1
19	5514	4.3	188	23	0
20	5515	1.5	215	26	1
21	5516	4.9	227	27	1
22	5517	1.1	199	23	1
23	5518	4.5	155	29	1
24	5519	4.0	190	27	1
25	5520	2.4	151	23	1
26	5521	2.5	180	28	1
27	5522	2.5	228	23	1
28	5523	2.5	203	25	1
29	5524	1.5	188	25	1
30	5525	1.9	217	24	1
Detection Percentage (%)					93.333
Limit					60%
Test Result					**Complied**

Type 3 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5496	8.0	205	16	1
2	5497	6.7	382	18	1
3	5498	8.6	418	16	1
4	5499	9.4	351	17	1
5	5500	7.4	383	18	1
6	5501	9.8	232	16	1
7	5502	9.1	377	17	1
8	5503	9.6	457	16	1
9	5504	8.0	471	18	0
10	5505	9.0	304	18	1
11	5506	8.0	316	17	1
12	5507	9.8	325	16	1
13	5508	8.0	409	17	1
14	5509	9.9	200	17	1
15	5510	8.8	458	16	0
16	5511	8.0	232	18	1
17	5512	8.3	250	16	1
18	5529	8.7	270	16	1
19	5514	7.7	350	17	1
20	5515	7.1	230	16	1
21	5516	7.3	416	18	0
22	5517	7.6	498	18	1
23	5492	7.3	286	17	1
24	5519	7.3	287	16	1
25	5520	7.5	462	17	1
26	5521	6.2	300	17	1
27	5522	6.4	323	18	1
28	5523	7.1	420	16	1
29	5524	7.2	395	18	1
30	5525	8.4	377	16	1
Detection Percentage (%)					90.000
Limit					60%
Test Result					**Complied**

Type 4 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5496	18.0	242	15	1
2	5497	19.9	279	12	1
3	5498	12.9	487	14	1
4	5499	15.0	452	13	1
5	5500	16.3	230	12	1
6	5501	19.8	238	13	1
7	5502	18.2	420	16	1
8	5529	16.3	452	15	1
9	5504	14.2	495	12	1
10	5505	17.8	228	16	1
11	5506	19.1	211	16	1
12	5507	18.4	283	15	0
13	5508	11.8	411	12	1
14	5509	14.2	284	13	1
15	5510	13.9	202	12	1
16	5511	17.8	340	14	0
17	5512	15.6	290	16	1
18	5513	14.6	250	16	1
19	5514	14.4	484	15	1
20	5515	18.9	387	13	0
21	5516	11.1	348	15	1
22	5517	13.8	291	16	1
23	5518	14.3	295	12	1
24	5519	12.5	300	12	1
25	5520	12.5	322	14	1
26	5521	12.5	383	13	0
27	5522	15.7	322	16	1
28	5523	19.8	469	13	1
29	5524	18.6	406	15	1
30	5492	15.9	238	14	1
Detection Percentage (%)					86.667
Limit					60%
Test Result					**Complied**

Total Type 1~4 Radar Statistical Performance

Radar Type #	Detection Percentage (%)
1	100.000
2	93.333
3	90.000
4	86.667
Aggregate (Radar Types 1-4)	92.500
Limit	80%
Test Result	**Complied**

Type 5 Radar Statistical Performance

Center Freq. (MHz)	Low Edge (MHz)	High Edge (MHz)	VSG Freq. (MHz)	Detection
5510	5491.5	5528.5	VSG Freq. (MHz)	Detection
Trial	Chirp	Offset		
1	11	0	5510.00	1
2	5	0	5510.00	1
3	20	0	5510.00	1
4	13	0	5510.00	1
5	11	0	5510.00	1
6	16	0	5510.00	1
7	11	0	5510.00	1
8	20	0	5510.00	1
9	9	0	5510.00	1
10	15	0	5510.00	1
11	20	10.5	5499.50	1
12	6	16.1	5493.90	1
13	13	13.3	5496.70	1
14	10	14.5	5495.50	1
15	16	12.1	5497.90	1
16	11	14.1	5495.90	1
17	7	15.7	5494.30	1
18	15	12.5	5497.50	1
19	7	15.7	5494.30	1
20	20	10.5	5499.50	1
21	6	16.1	5526.10	1
22	11	14.1	5524.10	1
23	16	12.1	5522.10	1
24	6	16.1	5526.10	1
25	9	14.9	5524.90	1
26	10	14.5	5524.50	1
27	18	11.3	5521.30	1
28	19	10.9	5520.90	1
29	14	12.9	5522.90	1
30	13	13.3	5523.30	1
Total				30
Detection Percentage (%)				100%
Limit				80%
Test Result				Complied

Data Sheet for Radar Type 5

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		1
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
591291	70	11	2	1208	1481	-
815216	51.8	11	1	1896	-	-
117197	97.9	11	3	1255	1463	1169
340497	75.4	11	2	1776	1116	-
563700	70.6	11	2	1361	1483	-
786312	85.5	11	3	1168	1155	1192
89901	70.6	11	2	1078	1126	-
312423	97.5	11	3	1237	1833	1540
536877	64.5	11	1	1698	-	-
759212	81.4	11	2	1575	1490	-
62185	99.2	11	3	1350	1982	1902
285880	54.7	11	1	1722	-	-
508479	75.7	11	2	1594	1682	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		2
Burst of Number	8	**Burst Period(s)**	1.5	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
1190042	68.2	5	2	1790	1952	-
56652	84.7	5	3	1714	1515	1061
419783	69.6	5	2	1458	1500	-
783608	56.5	5	1	1533	-	-
1144211	84.2	5	3	1322	1988	1910
11992	56.5	5	1	1411	-	-
374471	97.5	5	3	1353	1981	1974
738925	54.4	5	1	1365	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)			5		Trail #	3
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
439705	70	20	2	1001	1246	-
583092	84.7	20	3	1198	1120	1552
132117	55.3	20	1	1264	-	-
277048	64.5	20	1	1871	-	-
421122	68.6	20	2	1381	1894	-
564997	93.7	20	3	1306	1111	1754
113465	96.8	20	3	1996	1535	1742
258948	78.3	20	2	1239	1166	-
403936	76.7	20	2	1221	1107	-
545928	86.2	20	3	1947	1800	1806
96115	72.3	20	2	1504	1176	-
241508	64.6	20	1	1382	-	-
384855	95.4	20	3	1598	1117	1511
528969	85.4	20	3	1631	1870	1152
78179	73.2	20	2	1729	1649	-
223000	77.7	20	2	1815	1238	-
368464	65.7	20	1	1941	-	-
510325	90.2	20	3	1899	1935	1819
60248	98.9	20	3	1194	1675	1570
205316	79.6	20	2	1245	1375	-

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Statistical Performance Check Result							
Radar Test Signal (#)		5			**Trail #**	4	
Burst of Number	14	**Burst Period(s)**	0.8571429	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**	
501575	51	13	1	1542	-	-	
707132	98.7	13	3	1613	1219	1066	
60818	91.5	13	3	1072	1397	1549	
267493	87	13	3	1253	1748	1762	
475767	66.3	13	1	1987	-	-	
680475	86.6	13	3	1785	1777	1797	
35313	95.2	13	3	1482	1137	1844	
242662	73.5	13	2	1059	1475	-	
449288	98	13	3	1180	1480	1096	
657034	74.6	13	2	1324	1427	-	
9842	92.4	13	3	1133	1753	1378	
217141	82	13	2	1236	1259	-	
422905	87.8	13	3	1803	1842	1900	
631115	72.9	13	2	1559	1726	-	

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	5	
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
902081	100	11	3	1258	1396	1493
206352	67.1	11	2	1492	1179	-
429145	92.5	11	3	1410	1150	1042
653709	60.9	11	1	1399	-	-
877441	52	11	1	1193	-	-
178469	91.8	11	3	1686	1403	1569
402251	73.8	11	2	1067	1218	-
625039	69.2	11	2	1841	1229	-
847087	87.9	11	3	1073	1416	1755
151064	95.2	11	3	1197	1512	1756
374324	76.8	11	2	1437	1879	-
596338	90.1	11	3	1352	1925	1666
820999	80.4	11	2	1586	1132	-

Statistical Performance Check Result							
Radar Test Signal (#)		5			**Trail #**	6	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**		**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
94587	82.8	16	2		1332	1689	-
265527	61.5	16	1		1764	-	-
435227	91.9	16	3		1301	1024	1167
605381	90.8	16	3		1277	1091	1354
73476	94	16	3		1185	1805	1109
244588	57.6	16	1		1487	-	-
414781	67.8	16	2		1026	1554	-
586578	53.4	16	1		1110	-	-
52576	71.4	16	2		1583	1653	-
222476	93.3	16	3		1791	1766	1296
393218	68.4	16	2		1678	1890	-
562777	98.2	16	3		1510	1605	1418
31603	82	16	2		1300	1523	-
201756	98.6	16	3		1020	1070	1990
372162	73.3	16	2		1999	1709	-
542921	80.3	16	2		1205	1908	-
10620	52	16	1		1445	-	-

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Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**		7
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**		**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
236763	93.9	11	3		1325	1401	1265
458923	90.3	11	3		1962	1647	1876
683506	76.8	11	2		1499	1242	-
906848	72.4	11	2		1595	1013	-
209338	85.5	11	3		1048	1368	1438
433316	56	11	1		1646	-	-
654365	85.2	11	3		1784	1878	1389
880256	54.8	11	1		1659	-	-
181618	88.1	11	3		1927	1928	1307
405781	57.1	11	1		1664	-	-
629680	55.8	11	1		1039	-	-
852332	81.8	11	2		1050	1038	-
154801	60.7	11	1		1557	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		8
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
244340	96.4	20	3	1226	1572	2000
390950	60.1	20	1	1346	-	-
534907	76.3	20	2	1441	1284	-
82690	56.2	20	1	1273	-	-
227993	62.4	20	1	1031	-	-
372695	62	20	1	1940	-	-
517788	56	20	1	1889	-	-
64471	83.9	20	3	1106	1311	1930
209097	98.4	20	3	1260	1022	1606
354143	74.3	20	2	1178	1917	-
499561	70	20	2	1069	1249	-
46749	69.5	20	2	1773	1652	-
191589	78.6	20	2	1347	1603	-
336486	73.9	20	2	1177	1608	-
481767	74.1	20	2	1153	1089	-
28998	62.7	20	1	1944	-	-
173769	70.1	20	2	1224	1672	-
317895	93.3	20	3	1217	1015	1957
464152	50.5	20	1	1929	-	-
11067	89	20	3	1945	1615	1847

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	9	
Burst of Number	11	**Burst Period(s)**	1.0909091	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
283763	85.8	9	3	1451	1023	1821
548478	51.3	9	1	1960	-	-
809743	86.6	9	3	1998	1989	1778
1077369	63.2	9	1	1270	-	-
251895	57.9	9	1	1730	-	-
514624	97.4	9	3	1488	1953	1309
780737	55.4	9	1	1002	-	-
1044449	56.6	9	1	1654	-	-
218719	86	9	3	1683	1425	1787
483655	55.9	9	1	1417	-	-
747738	50.5	9	1	1641	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		10
Burst of Number	9	**Burst Period(s)**	0.75	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
695151	61.9	15	1	1713	-	-
128132	71.6	15	2	1320	1648	-
309769	60.6	15	1	1862	-	-
489296	97	15	3	1244	1669	1873
672580	58.2	15	1	1954	-	-
105804	71.9	15	2	1694	1351	-
286805	75.7	15	2	1869	1591	-
467329	86.1	15	3	1161	1266	1887
650589	61.2	15	1	1544	-	-
83455	74.3	15	2	1934	1415	-
264701	68.2	15	2	1422	1478	-
444952	95.5	15	3	1657	1214	1610
628454	65.9	15	1	1276	-	-
61315	56.8	15	1	1335	-	-
242712	52.9	15	1	1881	-	-
424295	56.8	15	1	1634	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		11
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
483494	82.2	20	2	1691	1029	-
31130	61.1	20	1	1623	-	-
175309	92.1	20	3	1303	1697	1836
320742	68	20	2	1362	1450	-
466659	63.9	20	1	1426	-	-
13250	55.3	20	1	1823	-	-
157701	92.9	20	3	1232	1191	1763
302865	75	20	2	1571	1312	-
446764	95	20	3	1254	1650	1207
591996	73.6	20	2	1550	1846	-
140621	63	20	1	1121	-	-
283899	98.4	20	3	1343	1977	1926
430680	65.1	20	1	1725	-	-
575746	56.5	20	1	1761	-	-
122072	99.4	20	3	1241	1118	1973
266724	98	20	3	1588	1304	1028
410761	92.5	20	3	1484	1733	1473
556827	73.8	20	2	1574	1310	-
104794	58	20	1	1380	-	-
248823	97.9	20	3	1443	1326	1376

Statistical Performance Check Result							
Radar Test Signal (#)		5			**Trail #**	12	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**		**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
878323	68	6		2	1562	1223	-
1201036	77	6		2	1576	1195	-
193430	65.9	6		1	1019	-	-
515373	90.9	6		3	1728	1142	1206
837168	94.4	6		3	1333	1997	1685
1162414	57.1	6		1	1479	-	-
153280	89.3	6		3	1447	1536	1062
476708	64.6	6		1	1156	-	-
798519	67.6	6		2	1975	1319	-

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Statistical Performance Check Result						
Radar Test Signal (#)			5		Trail #	13
Burst of Number	14	Burst Period(s)	0.8571429	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
721573	55.9	13	1	1087	-	-
72983	70.6	13	2	1516	1373	-
280517	56.4	13	1	1822	-	-
488047	54.9	13	1	1667	-	-
692783	90.5	13	3	1636	1670	1736
47463	73.3	13	2	1462	1435	-
253983	95.6	13	3	1681	1897	1538
460713	94	13	3	1555	1620	1780
667923	87.9	13	3	1140	1812	1329
21923	86.7	13	3	1095	1456	1097
229477	56.6	13	1	1581	-	-
436459	78.8	13	2	1308	1289	-
642305	85.7	13	3	1299	1852	1315
852309	51.9	13	1	1250	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	14	
Burst of Number	12	**Burst Period(s)**	1	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
237287	84.6	10	3	1314	1508	1611
480167	58.8	10	1	1472	-	-
721239	77.4	10	2	1092	1904	-
963224	71	10	2	1139	1671	-
208121	54.6	10	1	1673	-	-
449554	74.9	10	2	1469	1738	-
691801	70.3	10	2	1233	1263	-
934484	52.9	10	1	1687	-	-
177771	92.1	10	3	1433	1826	1355
419126	98.9	10	3	1915	1407	1428
662911	55.1	10	1	1125	-	-
902272	88.9	10	3	1635	1045	1643

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	15	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
104782	55.1	16	1	1331	-	-
274485	95.2	16	3	1288	1262	1779
446644	51.1	16	1	1157	-	-
615134	73.6	16	2	1965	1963	-
83697	56.7	16	1	1637	-	-
254526	66	16	1	1563	-	-
424104	78.2	16	2	1872	1746	-
596368	57.3	16	1	1323	-	-
62396	89.1	16	3	1882	1328	1370
233528	53	16	1	1432	-	-
404155	56.6	16	1	1824	-	-
572746	93.4	16	3	1699	1269	1507
41534	74.7	16	2	1498	1593	-
211866	83.3	16	2	1585	1892	-
383319	53.8	16	1	1460	-	-
553954	53.9	16	1	1727	-	-
20589	54.5	16	1	1356	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)			5	Trail #		16
Burst of Number	13	Burst Period(s)	0.9230769	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
249549	87.2	11	3	1529	1868	1392
473814	51.3	11	1	1772	-	-
696747	69.1	11	2	1145	1305	-
919852	82.3	11	2	1614	1012	-
222458	75	11	2	1477	1898	-
445510	81.4	11	2	1625	1760	-
669234	82	11	2	1290	1173	-
891674	66.9	11	2	1526	1801	-
194770	86.2	11	3	1172	1980	1227
417571	84.6	11	3	1932	1394	1079
640275	89.8	11	3	1601	1071	1880
862582	97.4	11	3	1985	1745	1316
167886	52.9	11	1	1294	-	-

Statistical Performance Check Result						
Radar Test Signal (#)			5	Trail #		17
Burst of Number	9	Burst Period(s)	1.3333333	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
564844	78.5	7	2	1406	1829	-
888379	57.6	7	1	1820	-	-
1208797	99.8	7	3	1248	1692	1645
202812	51.5	7	1	1298	-	-
525477	68.1	7	2	1088	1213	-
848768	50.3	7	1	1558	-	-
1169382	92.8	7	3	1580	1573	1114
162951	64.2	7	1	1854	-	-
485678	79.9	7	2	1011	1387	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	18	
Burst of Number	16	**Burst Period(s)**	0.75	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
452762	90.6	15	3	1885	1390	1371
636546	50.5	15	1	1103	-	-
69136	78.3	15	2	1485	1175	-
250688	62.9	15	1	1768	-	-
431876	81.6	15	2	1211	1044	-
613696	52.2	15	1	1684	-	-
46710	84	15	3	1704	1338	1209
227355	96.3	15	3	1920	1674	1384
409287	71.3	15	2	1292	1421	-
590397	71.1	15	2	1818	1060	-
24536	66.3	15	1	1055	-	-
205244	98.5	15	3	1712	1448	1291
387827	54.9	15	1	1043	-	-
566988	97.5	15	3	1749	1158	1404
2150	86.1	15	3	1607	1867	1436
183641	56.5	15	1	1721	-	-

Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	19	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**		**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
649004	80.2	7	2		1476	1792	-
972632	63.8	7	1		1837	-	-
1294265	69.1	7	2		1455	1715	-
287125	56.7	7	1		1234	-	-
609502	70.5	7	2		1127	1633	-
931751	81.5	7	2		1629	1783	-
1253215	88.5	7	3		1147	1810	1604
247305	60	7	1		1363	-	-
568977	86.1	7	3		1212	1662	1696

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Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #		20
Burst of Number	20	Burst Period(s)	0.6	Waveform Length(s)	12	Frequency F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
400523	74.5	20	2	1775	1082	-
544232	99.1	20	3	1564	1074	1442
92772	93.7	20	3	1995	1235	1293
238062	73.1	20	2	1006	1337	-
383830	65.2	20	1	1068	-	-
529131	53.4	20	1	1021	-	-
75357	61.2	20	1	1553	-	-
219129	90.3	20	3	1807	1912	1551
365634	57.2	20	1	1565	-	-
510479	60.8	20	1	1909	-	-
57360	68.5	20	2	1626	1163	-
202693	54	20	1	1340	-	-
347847	62.1	20	1	1408	-	-
490344	99.8	20	3	1556	1877	1230
39483	79.7	20	2	1701	1622	-
184461	82.9	20	2	1302	1164	-
328025	89.9	20	3	1520	1638	1769
475199	63.2	20	1	1336	-	-
21678	68.6	20	2	1502	1256	-
166512	81	20	2	1398	1420	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	21	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F$_H$-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
694608	54.5	6	1	1034	-	-
1016456	73.6	6	2	1590	1115	-
8551	60.1	6	1	1933	-	-
331564	63.7	6	1	1505	-	-
653496	95.1	6	3	1405	1075	1220
975332	88	6	3	1628	1744	1202
1297079	86.6	6	3	1271	1914	1921
291425	73.6	6	2	1188	1924	-
614597	57.5	6	1	1916	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	22	
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency**	F$_H$-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
648947	59.4	11	1	1464	-	-
872834	59.1	11	1	1077	-	-
174442	62	11	1	1104	-	-
397033	68.2	11	2	1747	1711	-
619847	76.8	11	2	1972	1816	-
844713	57	11	1	1706	-	-
146857	53.2	11	1	1367	-	-
369203	90.4	11	3	1731	1446	1170
592949	73.2	11	2	1201	1710	-
817479	56.1	11	1	1377	-	-
119201	67.7	11	2	1130	1171	-
342999	55.1	11	1	1007	-	-
566579	58.1	11	1	1090	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		23
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
601322	97.7	16	3	1345	1186	1735
69798	86.6	16	3	1578	1884	1521
240236	67.6	16	2	1861	1813	-
411573	52.4	16	1	1913	-	-
581299	68	16	2	1719	1414	-
49079	64	16	1	1828	-	-
218917	89.4	16	3	1765	1548	1453
389991	73.8	16	2	1690	1216	-
560724	80.6	16	2	1327	1280	-
27969	68.2	16	2	1893	1857	-
198477	69.9	16	2	1474	1501	-
368635	79	16	2	1619	1964	-
539754	81.5	16	2	1395	1160	-
7017	50.9	16	1	1366	-	-
177018	88.9	16	3	1080	1978	1740
347849	80	16	2	1339	1850	-
518155	78.1	16	2	1503	1848	-

Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	24	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**		**PRI-2 (us)**	**PRI-3 (us)**
1303061	77.3	6	2	1858		1937	-
296120	66.9	6	2	1452		1703	-
618053	87.6	6	3	1461		1679	1471
941705	82.8	6	2	1058		1582	-
1262467	97.9	6	3	1561		1786	1369
256754	51.6	6	1	1225		-	-
579778	56.4	6	1	1349		-	-
900681	85.8	6	3	1708		1025	1781
1223080	85.3	6	3	1357		1971	1057

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	25	
Burst of Number	11	**Burst Period(s)**	1.0909091	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
177128	92.7	9	3	1040	1064	1252
441120	76.5	9	2	1567	1231	-
703834	92.6	9	3	1739	1434	1457
968288	66.7	9	2	1774	1737	-
144880	57.1	9	1	1532	-	-
408948	50.9	9	1	1907	-	-
672738	75.9	9	2	1054	1383	-
935219	96.5	9	3	1802	1341	1046
112148	75.9	9	2	1951	1400	-
376130	73.5	9	2	1053	1677	-
638910	96.2	9	3	1531	1865	1268

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	26	
Burst of Number	12	**Burst Period(s)**	1	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
826712	92.6	10	3	1834	1000	1983
72998	69.9	10	2	1849	1518	-
314688	72.5	10	2	1489	1958	-
555527	84.2	10	3	1831	1182	1967
797115	83.8	10	3	1843	1348	1459
43224	78.8	10	2	1412	1979	-
284734	91	10	3	1295	1086	1705
526386	92.2	10	3	1003	1723	1148
767431	89.3	10	3	1660	1724	1200
13435	95.4	10	3	1439	1190	1942
255680	56.1	10	1	1358	-	-
497683	64.3	10	1	1759	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	27	
Burst of Number	19	**Burst Period(s)**	0.6315789	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
466662	60.4	18	1	1883	-	-
616742	95.2	18	3	1991	1243	1334
142355	78.8	18	2	1016	1100	-
295519	50.7	18	1	1051	-	-
446771	67.6	18	2	1527	1874	-
599225	75.4	18	2	1809	1486	-
123039	99.9	18	3	1010	1970	1741
275129	85	18	3	1330	1318	1943
428981	61.1	18	1	1968	-	-
580996	66.7	18	2	1644	1065	-
104670	82.7	18	2	1313	1261	-
257432	71.4	18	2	1027	1037	-
410696	62.9	18	1	1162	-	-
561441	81.3	18	2	1939	1630	-
86077	63.9	18	1	1122	-	-
239011	61.1	18	1	1047	-	-
390966	68.9	18	2	1204	1402	-
544078	53.1	18	1	1950	-	-
66876	85.1	18	3	1468	1129	1959

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	28	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency** F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
208292	75.1	19	2	1577	1919	-
354271	65.3	19	1	1286	-	-
495997	83.9	19	3	1955	1534	1969
45716	85.5	19	3	1624	1587	1386
191235	57.3	19	1	1105	-	-
334080	94.4	19	3	1901	1992	1495
481017	53.3	19	1	2000	-	-
27921	99	19	3	1379	1789	1592
172578	69.1	19	2	1922	1830	-
318204	60.7	19	1	1839	-	-
463599	64.3	19	1	1423	-	-
10138	96.6	19	3	1680	1440	1702
154700	90	19	3	1798	1009	1196
298982	86.6	19	3	1413	1524	1596
445818	62.1	19	1	1287	-	-
589319	82.1	19	2	1159	1856	-
137185	71.5	19	2	1621	1119	-
281563	78.3	19	2	1888	1860	-
427881	50.1	19	1	1359	-	-
572624	58.3	19	1	1825	-	-

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Statistical Performance Check Result							
Radar Test Signal (#)		5			**Trail #**	29	
Burst of Number	15	**Burst Period(s)**	0.8	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**		**PRI-3 (us)**
159228	71	14	2	1700	1429		-
352518	76	14	2	1895	1181		-
544323	88.6	14	3	1364	1961		1903
737838	85	14	3	1757	1281		1372
135567	75.8	14	2	1099	1174		-
328212	87.2	14	3	1285	1014		1984
522698	51.1	14	1	1994	-		-
715290	71.3	14	2	1525	1528		-
111884	52.4	14	1	1210	-		-
305327	64.8	14	1	1966	-		-
497761	79.9	14	2	1938	1811		-
691696	73.2	14	2	1661	1143		-
87610	86.1	14	3	1993	1282		1665
281813	60.2	14	1	1041	-		-
474637	81.1	14	2	1617	1017		-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		30
Burst of Number	14	**Burst Period(s)**	0.8571429	**Waveform Length(s)**	12	**Frequency**	F_H+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
713761	99.1	13	3	1466	1853	1864
68606	76.6	13	2	1948	1018	-
276396	59.6	13	1	1030	-	-
482744	71.4	13	2	1513	1793	-
691089	56.4	13	1	1743	-	-
43150	64.2	13	1	1752	-	-
250293	76.4	13	2	1251	1579	-
457068	80.8	13	2	1838	1782	-
665070	74.2	13	2	1093	1247	-
17534	96.8	13	3	1855	1771	1135
224742	70.1	13	2	1658	1283	-
430908	92.7	13	3	1618	1514	1795
638128	84.8	13	3	1430	1279	1509
847663	50.7	13	1	1519	-	-

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Type 6 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulses / Hop	Pulse Width (us)	PRI (us)	1=Detection 0=No Detection
1	5510	9	1	333	1
2	5510	9	1	333	1
3	5510	9	1	333	1
4	5510	9	1	333	1
5	5510	9	1	333	1
6	5510	9	1	333	0
7	5510	9	1	333	1
8	5510	9	1	333	1
9	5510	9	1	333	1
10	5510	9	1	333	1
11	5510	9	1	333	1
12	5510	9	1	333	1
13	5510	9	1	333	1
14	5510	9	1	333	1
15	5510	9	1	333	0
16	5510	9	1	333	1
17	5510	9	1	333	1
18	5510	9	1	333	1
19	5510	9	1	333	1
20	5510	9	1	333	1
21	5510	9	1	333	1
22	5510	9	1	333	1
23	5510	9	1	333	1
24	5510	9	1	333	1
25	5510	9	1	333	1
26	5510	9	1	333	1
27	5510	9	1	333	1
28	5510	9	1	333	1
29	5510	9	1	333	1
30	5510	9	1	333	1
Detection Percentage (%)					100.000
Limit					70%
Test Result					**Complied**

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Type 1 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulse Per Second)	PRI (us)	1=Detection 0=No Detection
1	5516	1	1930.5	518	1
2	5517	23	326.2	3066	1
3	5518	19	1139.0	878	1
4	5519	12	1355.0	738	1
5	5520	4	1730.1	578	1
6	5521	8	1519.8	658	1
7	5522	15	1253.1	798	1
8	5523	6	1618.1	618	1
9	5524	14	1285.3	778	1
10	5525	3	1792.1	558	1
11	5526	13	1319.3	758	1
12	5527	9	1474.9	678	1
13	5528	7	1567.4	638	1
14	5529	17	1193.3	838	1
15	5530	10	1432.7	698	1
16	5531	-	1692.0	591	1
17	5532	-	328.1	3048	1
18	5533	-	373.4	2678	1
19	5534	-	574.4	1741	1
20	5535	-	1216.5	822	1
21	5536	-	801.3	1248	1
22	5537	-	488.5	2047	1
23	5538	-	956.0	1046	1
24	5539	-	517.6	1932	1
25	5540	-	1422.5	703	1
26	5541	-	542.0	1845	1
27	5542	-	741.3	1349	1
28	5543	-	881.8	1134	1
29	5544	-	427.4	2340	1
30	5545	-	628.9	1590	1
Detection Percentage (%)					100.000
Limit					60%
Test Result					**Complied**

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Type 2 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5516	2.6	221	23	1
2	5517	4.6	198	27	1
3	5518	1.1	184	29	1
4	5519	4.8	203	24	1
5	5520	2.4	162	25	1
6	5521	3.4	204	28	1
7	5522	2.3	170	27	1
8	5523	3.5	184	23	1
9	5524	4.9	150	27	1
10	5525	4.6	211	29	1
11	5526	2.9	158	23	1
12	5527	2.6	226	27	1
13	5528	1.6	204	26	1
14	5529	3.9	181	25	1
15	5530	4.6	202	24	1
16	5531	4.1	194	27	1
17	5532	2.3	193	28	1
18	5533	3.9	173	29	1
19	5534	4.3	188	23	1
20	5535	1.5	215	26	1
21	5536	4.9	227	27	1
22	5537	1.1	199	23	1
23	5538	4.5	155	29	1
24	5539	4.0	190	27	1
25	5540	2.4	151	23	1
26	5541	2.5	180	28	1
27	5542	2.5	228	23	1
28	5543	2.5	203	25	1
29	5544	1.5	188	25	1
30	5545	1.9	217	24	1
Detection Percentage (%)					100.000
Limit					60%
Test Result					**Complied**

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Type 3 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5516	8.0	205	16	1
2	5517	6.7	382	18	1
3	5518	8.6	418	16	1
4	5519	9.4	351	17	1
5	5520	7.4	383	18	1
6	5521	9.8	232	16	1
7	5522	9.1	377	17	1
8	5523	9.6	457	16	1
9	5524	8.0	471	18	1
10	5525	9.0	304	18	1
11	5526	8.0	316	17	1
12	5527	9.8	325	16	1
13	5528	8.0	409	17	1
14	5529	9.9	200	17	1
15	5530	8.8	458	16	1
16	5531	8.0	232	18	1
17	5532	8.3	250	16	1
18	5533	8.7	270	16	1
19	5534	7.7	350	17	1
20	5535	7.1	230	16	1
21	5536	7.3	416	18	1
22	5537	7.6	498	18	1
23	5538	7.3	286	17	1
24	5539	7.3	287	16	1
25	5540	7.5	462	17	1
26	5541	6.2	300	17	1
27	5542	6.4	323	18	1
28	5543	7.1	420	16	1
29	5544	7.2	395	18	1
30	5545	8.4	377	16	1
Detection Percentage (%)					100.000
Limit					60%
Test Result					**Complied**

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Type 4 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5516	18.0	242	15	1
2	5517	19.9	279	12	1
3	5518	12.9	487	14	1
4	5519	15.0	452	13	1
5	5520	16.3	230	12	1
6	5521	19.8	238	13	1
7	5522	18.2	420	16	1
8	5523	16.3	452	15	1
9	5524	14.2	495	12	1
10	5525	17.8	228	16	1
11	5526	19.1	211	16	1
12	5527	18.4	283	15	1
13	5528	11.8	411	12	1
14	5529	14.2	284	13	1
15	5530	13.9	202	12	1
16	5531	17.8	340	14	1
17	5532	15.6	290	16	1
18	5533	14.6	250	16	1
19	5534	14.4	484	15	1
20	5535	18.9	387	13	1
21	5536	11.1	348	15	1
22	5537	13.8	291	16	1
23	5538	14.3	295	12	1
24	5539	12.5	300	12	1
25	5540	12.5	322	14	1
26	5541	12.5	383	13	1
27	5542	15.7	322	16	0
28	5543	19.8	469	13	1
29	5544	18.6	406	15	1
30	5545	15.9	238	14	1
Detection Percentage (%)					96.667
Limit					60%
Test Result					**Complied**

Total Type 1~4 Radar Statistical Performance

Radar Type #	Detection Percentage (%)
1	100.000
2	100.000
3	100.000
4	96.667
Aggregate (Radar Types 1-4)	99.167
Limit	80%
Test Result	**Complied**

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Type 5 Radar Statistical Performance

Center Freq. (MHz)	Low Edge (MHz)	High Edge (MHz)	VSG Freq. (MHz)	Detection
5530	5491.5	5568.5		
Trial	Chirp	Offset		
1	11	0	5530.00	1
2	5	0	5530.00	1
3	20	0	5530.00	1
4	13	0	5530.00	1
5	11	0	5530.00	1
6	16	0	5530.00	1
7	11	0	5530.00	1
8	20	0	5530.00	1
9	9	0	5530.00	1
10	15	0	5530.00	1
11	20	30.50	5499.50	1
12	6	36.10	5493.90	1
13	13	33.30	5496.70	1
14	10	34.50	5495.50	1
15	16	32.10	5497.90	1
16	11	34.10	5495.90	1
17	7	35.70	5494.30	1
18	15	32.50	5497.50	1
19	7	35.70	5494.30	1
20	20	30.50	5499.50	1
21	6	36.10	5566.10	1
22	11	34.10	5564.10	1
23	16	32.10	5562.10	1
24	6	36.10	5566.10	1
25	9	34.90	5564.90	1
26	10	34.50	5564.50	1
27	18	31.30	5561.30	1
28	19	30.90	5560.90	1
29	14	32.90	5562.90	1
30	13	33.30	5563.30	1
Total				30
Detection Percentage (%)				100%
Limit				80%
Test Result				**Complied**

Data Sheet for Radar Type 5

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	1	
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
591291	70	11	2	1208	1481	-
815216	51.8	11	1	1896	-	-
117197	97.9	11	3	1255	1463	1169
340497	75.4	11	2	1776	1116	-
563700	70.6	11	2	1361	1483	-
786312	85.5	11	3	1168	1155	1192
89901	70.6	11	2	1078	1126	-
312423	97.5	11	3	1237	1833	1540
536877	64.5	11	1	1698	-	-
759212	81.4	11	2	1575	1490	-
62185	99.2	11	3	1350	1982	1902
285880	54.7	11	1	1722	-	-
508479	75.7	11	2	1594	1682	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	2	
Burst of Number	8	**Burst Period(s)**	1.5	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
1190042	68.2	5	2	1790	1952	-
56652	84.7	5	3	1714	1515	1061
419783	69.6	5	2	1458	1500	-
783608	56.5	5	1	1533	-	-
1144211	84.2	5	3	1322	1988	1910
11992	56.5	5	1	1411	-	-
374471	97.5	5	3	1353	1981	1974
738925	54.4	5	1	1365	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		3
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
439705	70	20	2	1001	1246	-
583092	84.7	20	3	1198	1120	1552
132117	55.3	20	1	1264	-	-
277048	64.5	20	1	1871	-	-
421122	68.6	20	2	1381	1894	-
564997	93.7	20	3	1306	1111	1754
113465	96.8	20	3	1996	1535	1742
258948	78.3	20	2	1239	1166	-
403936	76.7	20	2	1221	1107	-
545928	86.2	20	3	1947	1800	1806
96115	72.3	20	2	1504	1176	-
241508	64.6	20	1	1382	-	-
384855	95.4	20	3	1598	1117	1511
528969	85.4	20	3	1631	1870	1152
78179	73.2	20	2	1729	1649	-
223000	77.7	20	2	1815	1238	-
368464	65.7	20	1	1941	-	-
510325	90.2	20	3	1899	1935	1819
60248	98.9	20	3	1194	1675	1570
205316	79.6	20	2	1245	1375	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		4
Burst of Number	14	**Burst Period(s)**	0.8571429	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
501575	51	13	1	1542	-	-
707132	98.7	13	3	1613	1219	1066
60818	91.5	13	3	1072	1397	1549
267493	87	13	3	1253	1748	1762
475767	66.3	13	1	1987	-	-
680475	86.6	13	3	1785	1777	1797
35313	95.2	13	3	1482	1137	1844
242662	73.5	13	2	1059	1475	-
449288	98	13	3	1180	1480	1096
657034	74.6	13	2	1324	1427	-
9842	92.4	13	3	1133	1753	1378
217141	82	13	2	1236	1259	-
422905	87.8	13	3	1803	1842	1900
631115	72.9	13	2	1559	1726	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		5
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency** Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
902081	100	11	3	1258	1396	1493
206352	67.1	11	2	1492	1179	-
429145	92.5	11	3	1410	1150	1042
653709	60.9	11	1	1399	-	-
877441	52	11	1	1193	-	-
178469	91.8	11	3	1686	1403	1569
402251	73.8	11	2	1067	1218	-
625039	69.2	11	2	1841	1229	-
847087	87.9	11	3	1073	1416	1755
151064	95.2	11	3	1197	1512	1756
374324	76.8	11	2	1437	1879	-
596338	90.1	11	3	1352	1925	1666
820999	80.4	11	2	1586	1132	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	6	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	Center

Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
94587	82.8	16	2	1332	1689	-
265527	61.5	16	1	1764	-	-
435227	91.9	16	3	1301	1024	1167
605381	90.8	16	3	1277	1091	1354
73476	94	16	3	1185	1805	1109
244588	57.6	16	1	1487	-	-
414781	67.8	16	2	1026	1554	-
586578	53.4	16	1	1110	-	-
52576	71.4	16	2	1583	1653	-
222476	93.3	16	3	1791	1766	1296
393218	68.4	16	2	1678	1890	-
562777	98.2	16	3	1510	1605	1418
31603	82	16	2	1300	1523	-
201756	98.6	16	3	1020	1070	1990
372162	73.3	16	2	1999	1709	-
542921	80.3	16	2	1205	1908	-
10620	52	16	1	1445	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	7	
Burst of Number	13	**Burst Period(s)** 0.9230769	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
236763	93.9	11	3	1325	1401	1265
458923	90.3	11	3	1962	1647	1876
683506	76.8	11	2	1499	1242	-
906848	72.4	11	2	1595	1013	-
209338	85.5	11	3	1048	1368	1438
433316	56	11	1	1646	-	-
654365	85.2	11	3	1784	1878	1389
880256	54.8	11	1	1659	-	-
181618	88.1	11	3	1927	1928	1307
405781	57.1	11	1	1664	-	-
629680	55.8	11	1	1039	-	-
852332	81.8	11	2	1050	1038	-
154801	60.7	11	1	1557	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	8	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
244340	96.4	20	3	1226	1572	2000
390950	60.1	20	1	1346	-	-
534907	76.3	20	2	1441	1284	-
82690	56.2	20	1	1273	-	-
227993	62.4	20	1	1031	-	-
372695	62	20	1	1940	-	-
517788	56	20	1	1889	-	-
64471	83.9	20	3	1106	1311	1930
209097	98.4	20	3	1260	1022	1606
354143	74.3	20	2	1178	1917	-
499561	70	20	2	1069	1249	-
46749	69.5	20	2	1773	1652	-
191589	78.6	20	2	1347	1603	-
336486	73.9	20	2	1177	1608	-
481767	74.1	20	2	1153	1089	-
28998	62.7	20	1	1944	-	-
173769	70.1	20	2	1224	1672	-
317895	93.3	20	3	1217	1015	1957
464152	50.5	20	1	1929	-	-
11067	89	20	3	1945	1615	1847

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	9	
Burst of Number	11	**Burst Period(s)**	1.0909091	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
283763	85.8	9	3	1451	1023	1821
548478	51.3	9	1	1960	-	-
809743	86.6	9	3	1998	1989	1778
1077369	63.2	9	1	1270	-	-
251895	57.9	9	1	1730	-	-
514624	97.4	9	3	1488	1953	1309
780737	55.4	9	1	1002	-	-
1044449	56.6	9	1	1654	-	-
218719	86	9	3	1683	1425	1787
483655	55.9	9	1	1417	-	-
747738	50.5	9	1	1641	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	10	
Burst of Number	9	**Burst Period(s)**	0.75	**Waveform Length(s)**	12	**Frequency**	Center
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
695151	61.9	15	1	1713	-	-
128132	71.6	15	2	1320	1648	-
309769	60.6	15	1	1862	-	-
489296	97	15	3	1244	1669	1873
672580	58.2	15	1	1954	-	-
105804	71.9	15	2	1694	1351	-
286805	75.7	15	2	1869	1591	-
467329	86.1	15	3	1161	1266	1887
650589	61.2	15	1	1544	-	-
83455	74.3	15	2	1934	1415	-
264701	68.2	15	2	1422	1478	-
444952	95.5	15	3	1657	1214	1610
628454	65.9	15	1	1276	-	-
61315	56.8	15	1	1335	-	-
242712	52.9	15	1	1881	-	-
424295	56.8	15	1	1634	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)			5	**Trail #**	11	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	$F_L+(0.4*\text{Chirp width})$
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
483494	82.2	20	2	1691	1029	-
31130	61.1	20	1	1623	-	-
175309	92.1	20	3	1303	1697	1836
320742	68	20	2	1362	1450	-
466659	63.9	20	1	1426	-	-
13250	55.3	20	1	1823	-	-
157701	92.9	20	3	1232	1191	1763
302865	75	20	2	1571	1312	-
446764	95	20	3	1254	1650	1207
591996	73.6	20	2	1550	1846	-
140621	63	20	1	1121	-	-
283899	98.4	20	3	1343	1977	1926
430680	65.1	20	1	1725	-	-
575746	56.5	20	1	1761	-	-
122072	99.4	20	3	1241	1118	1973
266724	98	20	3	1588	1304	1028
410761	92.5	20	3	1484	1733	1473
556827	73.8	20	2	1574	1310	-
104794	58	20	1	1380	-	-
248823	97.9	20	3	1443	1326	1376

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	12	
Burst of Number	9	**Burst Period(s)** 1.3333333	**Waveform Length(s)** 12	**Frequency**	F_L+(0.4*Chirp width)	
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
878323	68	6	2	1562	1223	-
1201036	77	6	2	1576	1195	-
193430	65.9	6	1	1019	-	-
515373	90.9	6	3	1728	1142	1206
837168	94.4	6	3	1333	1997	1685
1162414	57.1	6	1	1479	-	-
153280	89.3	6	3	1447	1536	1062
476708	64.6	6	1	1156	-	-
798519	67.6	6	2	1975	1319	-

Statistical Performance Check Result						
Radar Test Signal (#)			5	**Trail #**		13
Burst of Number	14	**Burst Period(s)**	0.8571429	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
721573	55.9	13	1	1087	-	-
72983	70.6	13	2	1516	1373	-
280517	56.4	13	1	1822	-	-
488047	54.9	13	1	1667	-	-
692783	90.5	13	3	1636	1670	1736
47463	73.3	13	2	1462	1435	-
253983	95.6	13	3	1681	1897	1538
460713	94	13	3	1555	1620	1780
667923	87.9	13	3	1140	1812	1329
21923	86.7	13	3	1095	1456	1097
229477	56.6	13	1	1581	-	-
436459	78.8	13	2	1308	1289	-
642305	85.7	13	3	1299	1852	1315
852309	51.9	13	1	1250	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #		14
Burst of Number	12	Burst Period(s)	1	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
237287	84.6	10	3	1314	1508	1611
480167	58.8	10	1	1472	-	-
721239	77.4	10	2	1092	1904	-
963224	71	10	2	1139	1671	-
208121	54.6	10	1	1673	-	-
449554	74.9	10	2	1469	1738	-
691801	70.3	10	2	1233	1263	-
934484	52.9	10	1	1687	-	-
177771	92.1	10	3	1433	1826	1355
419126	98.9	10	3	1915	1407	1428
662911	55.1	10	1	1125	-	-
902272	88.9	10	3	1635	1045	1643

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	15	
Burst of Number	17	**Burst Period(s)**	0.7058824	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
104782	55.1	16	1	1331	-	-
274485	95.2	16	3	1288	1262	1779
446644	51.1	16	1	1157	-	-
615134	73.6	16	2	1965	1963	-
83697	56.7	16	1	1637	-	-
254526	66	16	1	1563	-	-
424104	78.2	16	2	1872	1746	-
596368	57.3	16	1	1323	-	-
62396	89.1	16	3	1882	1328	1370
233528	53	16	1	1432	-	-
404155	56.6	16	1	1824	-	-
572746	93.4	16	3	1699	1269	1507
41534	74.7	16	2	1498	1593	-
211866	83.3	16	2	1585	1892	-
383319	53.8	16	1	1460	-	-
553954	53.9	16	1	1727	-	-
20589	54.5	16	1	1356	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)			5		Trail #	16
Burst of Number	13	Burst Period(s)	0.9230769	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
249549	87.2	11	3	1529	1868	1392
473814	51.3	11	1	1772	-	-
696747	69.1	11	2	1145	1305	-
919852	82.3	11	2	1614	1012	-
222458	75	11	2	1477	1898	-
445510	81.4	11	2	1625	1760	-
669234	82	11	2	1290	1173	-
891674	66.9	11	2	1526	1801	-
194770	86.2	11	3	1172	1980	1227
417571	84.6	11	3	1932	1394	1079
640275	89.8	11	3	1601	1071	1880
862582	97.4	11	3	1985	1745	1316
167886	52.9	11	1	1294	-	-

Statistical Performance Check Result						
Radar Test Signal (#)			5		Trail #	17
Burst of Number	9	Burst Period(s)	1.3333333	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
564844	78.5	7	2	1406	1829	-
888379	57.6	7	1	1820	-	-
1208797	99.8	7	3	1248	1692	1645
202812	51.5	7	1	1298	-	-
525477	68.1	7	2	1088	1213	-
848768	50.3	7	1	1558	-	-
1169382	92.8	7	3	1580	1573	1114
162951	64.2	7	1	1854	-	-
485678	79.9	7	2	1011	1387	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		Trail #		18
Burst of Number	16	Burst Period(s)	0.75	Waveform Length(s)	12	Frequency	F_L+(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
452762	90.6	15	3	1885	1390	1371
636546	50.5	15	1	1103	-	-
69136	78.3	15	2	1485	1175	-
250688	62.9	15	1	1768	-	-
431876	81.6	15	2	1211	1044	-
613696	52.2	15	1	1684	-	-
46710	84	15	3	1704	1338	1209
227355	96.3	15	3	1920	1674	1384
409287	71.3	15	2	1292	1421	-
590397	71.1	15	2	1818	1060	-
24536	66.3	15	1	1055	-	-
205244	98.5	15	3	1712	1448	1291
387827	54.9	15	1	1043	-	-
566988	97.5	15	3	1749	1158	1404
2150	86.1	15	3	1607	1867	1436
183641	56.5	15	1	1721	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	19	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
649004	80.2	7	2	1476	1792	-
972632	63.8	7	1	1837	-	-
1294265	69.1	7	2	1455	1715	-
287125	56.7	7	1	1234	-	-
609502	70.5	7	2	1127	1633	-
931751	81.5	7	2	1629	1783	-
1253215	88.5	7	3	1147	1810	1604
247305	60	7	1	1363	-	-
568977	86.1	7	3	1212	1662	1696

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	20	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency** F_L+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
400523	74.5	20	2	1775	1082	-
544232	99.1	20	3	1564	1074	1442
92772	93.7	20	3	1995	1235	1293
238062	73.1	20	2	1006	1337	-
383830	65.2	20	1	1068	-	-
529131	53.4	20	1	1021	-	-
75357	61.2	20	1	1553	-	-
219129	90.3	20	3	1807	1912	1551
365634	57.2	20	1	1565	-	-
510479	60.8	20	1	1909	-	-
57360	68.5	20	2	1626	1163	-
202693	54	20	1	1340	-	-
347847	62.1	20	1	1408	-	-
490344	99.8	20	3	1556	1877	1230
39483	79.7	20	2	1701	1622	-
184461	82.9	20	2	1302	1164	-
328025	89.9	20	3	1520	1638	1769
475199	63.2	20	1	1336	-	-
21678	68.6	20	2	1502	1256	-
166512	81	20	2	1398	1420	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	21	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
694608	54.5	6	1	1034	-	-
1016456	73.6	6	2	1590	1115	-
8551	60.1	6	1	1933	-	-
331564	63.7	6	1	1505	-	-
653496	95.1	6	3	1405	1075	1220
975332	88	6	3	1628	1744	1202
1297079	86.6	6	3	1271	1914	1921
291425	73.6	6	2	1188	1924	-
614597	57.5	6	1	1916	-	-

Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	22	
Burst of Number	13	**Burst Period(s)**	0.9230769	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
648947	59.4	11	1	1464	-	-
872834	59.1	11	1	1077	-	-
174442	62	11	1	1104	-	-
397033	68.2	11	2	1747	1711	-
619847	76.8	11	2	1972	1816	-
844713	57	11	1	1706	-	-
146857	53.2	11	1	1367	-	-
369203	90.4	11	3	1731	1446	1170
592949	73.2	11	2	1201	1710	-
817479	56.1	11	1	1377	-	-
119201	67.7	11	2	1130	1171	-
342999	55.1	11	1	1007	-	-
566579	58.1	11	1	1090	-	-

Statistical Performance Check Result							
Radar Test Signal (#)		5		Trail #		23	
Burst of Number	17	Burst Period(s)	0.7058824	Waveform Length(s)	12	Frequency	F_H-(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	
601322	97.7	16	3	1345	1186	1735	
69798	86.6	16	3	1578	1884	1521	
240236	67.6	16	2	1861	1813	-	
411573	52.4	16	1	1913	-	-	
581299	68	16	2	1719	1414	-	
49079	64	16	1	1828	-	-	
218917	89.4	16	3	1765	1548	1453	
389991	73.8	16	2	1690	1216	-	
560724	80.6	16	2	1327	1280	-	
27969	68.2	16	2	1893	1857	-	
198477	69.9	16	2	1474	1501	-	
368635	79	16	2	1619	1964	-	
539754	81.5	16	2	1395	1160	-	
7017	50.9	16	1	1366	-	-	
177018	88.9	16	3	1080	1978	1740	
347849	80	16	2	1339	1850	-	
518155	78.1	16	2	1503	1848	-	

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Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	24	
Burst of Number	9	**Burst Period(s)**	1.3333333	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**		**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
1303061	77.3	6	2		1858	1937	-
296120	66.9	6	2		1452	1703	-
618053	87.6	6	3		1461	1679	1471
941705	82.8	6	2		1058	1582	-
1262467	97.9	6	3		1561	1786	1369
256754	51.6	6	1		1225	-	-
579778	56.4	6	1		1349	-	-
900681	85.8	6	3		1708	1025	1781
1223080	85.3	6	3		1357	1971	1057

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Statistical Performance Check Result							
Radar Test Signal (#)			5		**Trail #**	25	
Burst of Number	11	**Burst Period(s)**	1.0909091	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**	
177128	92.7	9	3	1040	1064	1252	
441120	76.5	9	2	1567	1231	-	
703834	92.6	9	3	1739	1434	1457	
968288	66.7	9	2	1774	1737	-	
144880	57.1	9	1	1532	-	-	
408948	50.9	9	1	1907	-	-	
672738	75.9	9	2	1054	1383	-	
935219	96.5	9	3	1802	1341	1046	
112148	75.9	9	2	1951	1400	-	
376130	73.5	9	2	1053	1677	-	
638910	96.2	9	3	1531	1865	1268	

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	26	
Burst of Number	12	**Burst Period(s)**	1	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
826712	92.6	10	3	1834	1000	1983
72998	69.9	10	2	1849	1518	-
314688	72.5	10	2	1489	1958	-
555527	84.2	10	3	1831	1182	1967
797115	83.8	10	3	1843	1348	1459
43224	78.8	10	2	1412	1979	-
284734	91	10	3	1295	1086	1705
526386	92.2	10	3	1003	1723	1148
767431	89.3	10	3	1660	1724	1200
13435	95.4	10	3	1439	1190	1942
255680	56.1	10	1	1358	-	-
497683	64.3	10	1	1759	-	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**		27
Burst of Number	19	**Burst Period(s)**	0.6315789	**Waveform Length(s)**	12	**Frequency** F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
466662	60.4	18	1	1883	-	-
616742	95.2	18	3	1991	1243	1334
142355	78.8	18	2	1016	1100	-
295519	50.7	18	1	1051	-	-
446771	67.6	18	2	1527	1874	-
599225	75.4	18	2	1809	1486	-
123039	99.9	18	3	1010	1970	1741
275129	85	18	3	1330	1318	1943
428981	61.1	18	1	1968	-	-
580996	66.7	18	2	1644	1065	-
104670	82.7	18	2	1313	1261	-
257432	71.4	18	2	1027	1037	-
410696	62.9	18	1	1162	-	-
561441	81.3	18	2	1939	1630	-
86077	63.9	18	1	1122	-	-
239011	61.1	18	1	1047	-	-
390966	68.9	18	2	1204	1402	-
544078	53.1	18	1	1950	-	-
66876	85.1	18	3	1468	1129	1959

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	28	
Burst of Number	20	**Burst Period(s)**	0.6	**Waveform Length(s)**	12	**Frequency**	F_H-(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
208292	75.1	19	2	1577	1919	-
354271	65.3	19	1	1286	-	-
495997	83.9	19	3	1955	1534	1969
45716	85.5	19	3	1624	1587	1386
191235	57.3	19	1	1105	-	-
334080	94.4	19	3	1901	1992	1495
481017	53.3	19	1	2000	-	-
27921	99	19	3	1379	1789	1592
172578	69.1	19	2	1922	1830	-
318204	60.7	19	1	1839	-	-
463599	64.3	19	1	1423	-	-
10138	96.6	19	3	1680	1440	1702
154700	90	19	3	1798	1009	1196
298982	86.6	19	3	1413	1524	1596
445818	62.1	19	1	1287	-	-
589319	82.1	19	2	1159	1856	-
137185	71.5	19	2	1621	1119	-
281563	78.3	19	2	1888	1860	-
427881	50.1	19	1	1359	-	-
572624	58.3	19	1	1825	-	-

Statistical Performance Check Result							
Radar Test Signal (#)		5			Trail #		29
Burst of Number	15	Burst Period(s)	0.8	Waveform Length(s)	12	Frequency	F_H-(0.4*Chirp width)
Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-2 (us)	PRI-3 (us)
159228	71	14	2	1700		1429	-
352518	76	14	2	1895		1181	-
544323	88.6	14	3	1364		1961	1903
737838	85	14	3	1757		1281	1372
135567	75.8	14	2	1099		1174	-
328212	87.2	14	3	1285		1014	1984
522698	51.1	14	1	1994		-	-
715290	71.3	14	2	1525		1528	-
111884	52.4	14	1	1210		-	-
305327	64.8	14	1	1966		-	-
497761	79.9	14	2	1938		1811	-
691696	73.2	14	2	1661		1143	-
87610	86.1	14	3	1993		1282	1665
281813	60.2	14	1	1041		-	-
474637	81.1	14	2	1617		1017	-

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Statistical Performance Check Result						
Radar Test Signal (#)		5		**Trail #**	30	
Burst of Number	14	**Burst Period(s)**	0.8571429	**Waveform Length(s)**	12	**Frequency**	F_H+(0.4*Chirp width)
Burst Offset (us)	**Pulse Width (us)**	**Chirp Width (MHz)**	**Number of Pulses per Burst**	**PRI-1 (us)**	**PRI-2 (us)**	**PRI-3 (us)**
713761	99.1	13	3	1466	1853	1864
68606	76.6	13	2	1948	1018	-
276396	59.6	13	1	1030	-	-
482744	71.4	13	2	1513	1793	-
691089	56.4	13	1	1743	-	-
43150	64.2	13	1	1752	-	-
250293	76.4	13	2	1251	1579	-
457068	80.8	13	2	1838	1782	-
665070	74.2	13	2	1093	1247	-
17534	96.8	13	3	1855	1771	1135
224742	70.1	13	2	1658	1283	-
430908	92.7	13	3	1618	1514	1795
638128	84.8	13	3	1430	1279	1509
847663	50.7	13	1	1519	-	-

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Type 6 Radar Statistical Performance

Trial #	Test Freq. (MHz)	Pulses / Hop	Pulse Width (us)	PRI (us)	1=Detection 0=No Detection
1	5530	9	1	333	1
2	5530	9	1	333	1
3	5530	9	1	333	1
4	5530	9	1	333	1
5	5530	9	1	333	1
6	5530	9	1	333	1
7	5530	9	1	333	1
8	5530	9	1	333	1
9	5530	9	1	333	1
10	5530	9	1	333	1
11	5530	9	1	333	1
12	5530	9	1	333	1
13	5530	9	1	333	1
14	5530	9	1	333	1
15	5530	9	1	333	1
16	5530	9	1	333	1
17	5530	9	1	333	1
18	5530	9	1	333	1
19	5530	9	1	333	1
20	5530	9	1	333	1
21	5530	9	1	333	1
22	5530	9	1	333	1
23	5530	9	1	333	1
24	5530	9	1	333	1
25	5530	9	1	333	1
26	5530	9	1	333	1
27	5530	9	1	333	1
28	5530	9	1	333	1
29	5530	9	1	333	1
30	5530	9	1	333	1
Detection Percentage (%)					100.000
Limit					70%
Test Result					**Complied**

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4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	Keysight	N9010A	MY55150165	9kHz~7GHz	08/Nov/2017	07/Nov/2018
Vector Signal Generator	Keysight	N5182B	MY53051912	9kHz ~ 6GHz	4/Dec/2017	3/Dec/2018
RF cable 8m	HUBER+SUHNER	SUCOFLEX 104	MY7172/4	25 MHz ~ 26.5 GHz	01/Nov/2017	31/Oct/2018
RF cable 3m	HUBER+SUHNER	SUCOFLEX 104	302338/4	25 MHz ~ 26.5 GHz	01/Nov/2017	31/Oct/2018
Horn Antenna	COM-POWER	AH-118	10091	1GHz ~ 18GHz	14/Jun/2017	13/Jun/2018
Horn Antenna	COM-POWER	AHA-118	711064	1GHz ~ 18GHz	19/Dec/2017	18/Dec/2018

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5   Measurement Uncertainty

Test Items	Uncertainty	Remark
Radiated Emission	3.9 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%