

RF TEST REPORT

For

Huizhi Tianxia (Hangzhou) Technology Co., Ltd.

Product Name: Glass-free 3D intelligent terminal

Test Model(s): M-055

Report Reference No. : DACE250616007RL003

FCC ID : 2BTPVM-055

Applicant's Name : Huizhi Tianxia (Hangzhou) Technology Co., Ltd.

Address : Room 3328, 3F, International Chuangbo Center, No. 267, Science and Technology Park, Baiyang Street, Hangzhou, China

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.

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Test Specification Standard : 47 CFR Part 15E

Date of Receipt : June 16, 2025

Date of Test : June 16, 2025 to December 12, 2025

Data of Issue : December 12, 2025

Result : Pass

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Apply for company information

Applicant's Name	:	Huizhi Tianxia (Hangzhou) Technology Co., Ltd.
Address	:	Room 3328, 3F, International Chuangbo Center, No. 267, Science and Technology Park, Baiyang Street, Hangzhou, China
Product Name	:	Glass-free 3D intelligent terminal
Test Model(s)	:	M-055
Series Model(s)	:	H-*****, M-***** ("*" represents A-Z, a-z, 0-9, - or blank, indicating different customers and shell colors, and their differences do not affect the safety and electromagnetic compatibility performance of the product.)
Test Specification Standard(s)	:	47 CFR Part 15E

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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December 12, 2025

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December 12, 2025

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December 12, 2025

Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE250616007RL003	December 12, 2025

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15E: Unlicensed National Information Infrastructure Devices

1.2 Summary of Test Result

Test Item	Test Requirement	Test method	Result
DFS Detection Threshold	Part 15E Section 15.407 (h)(2)	KDB 905462 D02	N/A
Channel Availability Check Time	Part 15 E Section 15.407 (h)(2)(ii)	KDB 905462 D02	N/A
U-NII Detection Bandwidth	Part 15E Section 15.407 (h)(2)	KDB 905462 D02	N/A
Channel Closing Transmission Time	Part 15E Section 15.407 (h)(2)	KDB 905462 D02	PASS
Channel Move Time	Part 15E Section 15.407 (h)(2)(iii)	KDB 905462 D02	PASS
Non-Occupancy Period	Part 15E Section 15.407 (h)(2)(iv)	KDB 905462 D02	PASS

Remark:

The tested sample and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application.

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : Huizhi Tianxia (Hangzhou) Technology Co., Ltd.
Address : Room 3328, 3F, International Chuangbo Center, No. 267, Science and Technology Park, Baiyang Street, Hangzhou, China

Manufacturer : Huizhi Tianxia (Hangzhou) Technology Co., Ltd.
Address : Room 3328, 3F, International Chuangbo Center, No. 267, Science and Technology Park, Baiyang Street, Hangzhou, China

2.2 Description of Device (EUT)

Product Name:	Glass-free 3D intelligent terminal
Model/Type reference:	M-055
Series Model:	H-*****, M-***** ("*" represents A-Z, a-z, 0-9, - or blank, indicating different customers and shell colors, and their differences do not affect the safety and electromagnetic compatibility performance of the product.)
Model Difference:	The product has many models, only the model name and color is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	
Power Supply:	Input: 100-240V ~ 50/60Hz 3.8A;
Operation Frequency:	802.11a/n(HT20)/ac(HT20): U-NII Band 2A: 5260MHz to 5320MHz; U-NII Band 2C: 5500MHz to 5700MHz; 802.11n(HT40)/ac(HT40): U-NII Band 2A: 5270MHz to 5310MHz; U-NII Band 2C: 5510MHz to 5670MHz; 802.11ac(HT80): U-NII Band 2A: 5290MHz; U-NII Band 2C: 5530MHz to 5610MHz;
Number of Channels:	802.11a/n(HT20)/ac(HT20): U-NII Band 2A: 4; U-NII Band 2C: 11; 802.11n(HT40)/ac(HT40): U-NII Band 2A: 2; U-NII Band 2C: 5; 802.11ac(HT80): U-NII Band 2A: 1; U-NII Band 2C: 2;
Modulation Type:	802.11a: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM);
Antenna Type:	External
Antenna Gain:	3dBi
Hardware Version:	V1.0
Software Version:	V1.0

Equipment Class:	☐ Master ☐ Slave device with radar detection ☒ Slave device without radar detection
TPC	☐ YES ☒ NO

Remark: The Antenna Gain is supplied by the customer. DACE is not responsible for this data and the related calculations associated with it

Operation Frequency each of Test Channel

802.11a/n(HT20)/ac(HT20)

	U-NII-2A	U-NII-2C
Channel	Frequency	Frequency
Low	5260	5500
Mid	5300	5600
	5320	5700

802.11n(HT40)/ac(HT40)

	U-NII-2A	U-NII-2C
Channel	Frequency	Frequency
Low	5270	5510
Mid	/	5590
High	5310	5670

802.11ac(HT80)

	U-NII-2A	U-NII-2C
Channel	Frequency	Frequency
Low	/	5530
Mid	5290	/
High	/	5610

2.3 Conducted Output Power and EIRP:

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Antenna Gain (dBi)	EIRP Power (dBm)
NVNT	ANT1	802.11a	5260.00	9.61	3.0	12.61
NVNT	ANT1	802.11a	5300.00	9.98	3.0	12.98
NVNT	ANT1	802.11a	5320.00	9.38	3.0	12.38
NVNT	ANT1	802.11n(HT20)	5260.00	8.35	3.0	11.35
NVNT	ANT1	802.11n(HT20)	5300.00	8.85	3.0	11.85
NVNT	ANT1	802.11n(HT20)	5320.00	8.31	3.0	11.31
NVNT	ANT1	802.11ac(VHT20)	5260.00	6.83	3.0	9.83
NVNT	ANT1	802.11ac(VHT20)	5300.00	7.08	3.0	10.08
NVNT	ANT1	802.11ac(VHT20)	5320.00	6.46	3.0	9.46
NVNT	ANT1	802.11n(HT40)	5270.00	8.16	3.0	11.16
NVNT	ANT1	802.11n(HT40)	5310.00	7.70	3.0	10.7
NVNT	ANT1	802.11ac(VHT40)	5270.00	6.07	3.0	9.07
NVNT	ANT1	802.11ac(VHT40)	5310.00	6.12	3.0	9.12
NVNT	ANT1	802.11ac(VHT80)	5290.00	5.50	3.0	8.5

Condition	Antenna	Modulation	Frequency(MHz)	Conducted Power(dBm)	Antenna Gain (dBi)	EIRP Power (dBm)
NVNT	ANT1	802.11a	5500.00	10.41	3.0	13.41
NVNT	ANT1	802.11a	5600.00	10.67	3.0	13.67
NVNT	ANT1	802.11a	5700.00	9.84	3.0	12.84
NVNT	ANT1	802.11n(HT20)	5500.00	8.81	3.0	11.81
NVNT	ANT1	802.11n(HT20)	5600.00	9.02	3.0	12.02
NVNT	ANT1	802.11n(HT20)	5700.00	8.04	3.0	11.04
NVNT	ANT1	802.11ac(VHT20)	5500.00	9.95	3.0	12.95
NVNT	ANT1	802.11ac(VHT20)	5600.00	10.91	3.0	13.91
NVNT	ANT1	802.11ac(VHT20)	5700.00	9.30	3.0	12.3
NVNT	ANT1	802.11n(HT40)	5510.00	8.32	3.0	11.32
NVNT	ANT1	802.11n(HT40)	5590.00	8.24	3.0	11.24
NVNT	ANT1	802.11n(HT40)	5670.00	7.26	3.0	10.26
NVNT	ANT1	802.11ac(VHT40)	5510.00	9.31	3.0	12.31
NVNT	ANT1	802.11ac(VHT40)	5590.00	9.58	3.0	12.58
NVNT	ANT1	802.11ac(VHT40)	5670.00	8.34	3.0	11.34
NVNT	ANT1	802.11ac(VHT80)	5530.00	8.47	3.0	11.47
NVNT	ANT1	802.11ac(VHT80)	5610.00	9.09	3.0	12.09

2.4 Description of Test Modes

No	Title	Description
TM1	802.11ac mode	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type at lowest, middle and highest channel. All data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

2.5 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Title	Manufacturer	Model No.	Serial No.
PC	HP	TPC-W032-SF	N/A
Wireless Router	FiberHome	SR120-A	FCC ID:2AV2N-SR120A
Adapter	PHOTON	ATXC-069AC65B	

2.6 Equipments Used During The Test

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Test Software	Tachoy Information Technology(she nzheng) Co.,Ltd.	RTS-01	V1.0.0	/	/
RF Sensor Unit	Tachoy Information Technology(she nzheng) Co.,Ltd.	TR1029-2	000001	/	/
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Vector Signal Generator	Keysight	N5181A	MY50143455	2024-12-06	2025-12-05
Vector Signal Generator	Keysight	N5181A	MY50143455	2025-12-06	2026-12-05
Signal Generator	Keysight	N5182A	MY48180415	2024-12-06	2025-12-05
Signal Generator	Keysight	N5182A	MY48180415	2025-12-06	2026-12-05
Spectrum Analyzer	Keysight	N9020A	MY53420323	2024-12-06	2025-12-05
Spectrum Analyzer	Keysight	N9020A	MY53420323	2025-12-06	2026-12-05
Spectrum Analyzer	Keysight	N9020A	MY55338111	2025-09-16	2026-09-15
Power meter	Agilent	E4416	MY48200166	2024-12-06	2025-12-05
Power meter	Agilent	E4416	MY48200166	2025-12-06	2026-12-05
Temperature&Humidity Chamber	GONGWEN	GDJS-800	/	2024-12-06	2025-12-05
Temperature&Humidity Chamber	GONGWEN	GDJS-800	/	2025-12-06	2026-12-05

2.7 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Disturbance (0.15~30MHz)	±3.41dB
Occupied Bandwidth	±3.63%
RF conducted power	±0.733dB
RF power density	±0.234%
Conducted Spurious emissions	±1.98dB
Radiated Emission (Above 1GHz)	±5.46dB
Radiated Emission (Below 1GHz)	±5.79dB
Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

2.8 Authorizations

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

Identification of the Responsible Testing Location

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
FCC Registration Number:	0032847402
Designation Number:	CN1342
Test Firm Registration No.:	778666
A2LA Certificate Number:	6270.01

2.9 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) We hereby declare that the laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant. the laboratory is not responsible for the accuracy of the information provided by the client(item 2.2). When the information provided by the customer may affect the effectiveness of the results, the responsibility lies with the customer, and the laboratory does not assume any responsibility.

3 DFS Rule Requirements

3.1 Applicability of DFS Requirements

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

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	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

Applicability of DFS Requirements during Normal Operation

Requirement	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	Operational Mode	
	Master or Client With Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

3.2 Additional DFS Operational Information

The EUT operates as a Client Device in a Wi-Fi system operating in the 5 GHz DFS band. A separate Master Device is used to establish and maintain the wireless communication link and to control data transmission during the DFS test.

(f) Channel Loading Methodology:

Channel loading is achieved using continuous IP-based data streaming from the Master Device to the Client Device. A predefined test file is transmitted repeatedly to ensure sustained traffic and maximum channel occupancy throughout the entire DFS test duration. The system is IP-based, and the talk/listen ratio is not user configurable; it is dynamically managed by the Wi-Fi protocol. Continuous data streaming therefore represents the worst-case operational condition for channel loading and is maintained during all DFS monitoring and radar detection tests.

i) Power-On Cycle Time

The EUT and the associated Master Device complete their power-on and initialization processes within a short and consistent time period. After power is applied, the wireless system initializes and becomes operational, including DFS functionality, within approximately 60 seconds. The DFS function is fully enabled and ready for normal operation once the power-on cycle is completed.

j) Manufacturer Statement Regarding Radar Waveform Information

The manufacturer confirms that information related to the parameters of detected radar waveforms, including but not limited to radar type, pulse width, pulse repetition interval, or detection thresholds, is not available, accessible, or configurable by the end user. Such information is managed internally by the device firmware and is not exposed through any user interface or user-accessible software.

k) Initial Channel Selection and DFS Channel Blocking

The manufacturer permits the selection of the initial operating channel to be handled automatically by the device firmware. Channel selection is performed either randomly or based on internal firmware algorithms, without user intervention. In addition, the manufacturer may block specific DFS channels from use through firmware control in order to comply with regulatory requirements or operational constraints. End users are not provided with the ability to override or modify DFS channel selection or channel blocking behavior.

3.3 Test Limits and Radar Signal Parameter

DETECTION THRESHOLD VALUES

DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection.

Maximum Transmit Power	Value (See Notes 1 , 2 and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm / MHz	-62 dBm
EIRP < 200 milliwatt and that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes.
Channel Availability Check Time	60 seconds.
Channel Move Time	10 seconds. (See Note 1.)
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. (See Notes 1 and 2.)
U-NII Detection Bandwidth	Minimum 100% of the U- NII 99% transmission power bandwidth. (See Note 3.)

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

3.4 Parameters of DFS Test Signals

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

3.4.1 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note1	See Note1
1		Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	1-20	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 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678

10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

3.4.2 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 Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen (The center frequency for each of the 30 trials of the Bin 5 radar shall be randomly selected within 80% of the Occupied Bandwidth.) Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

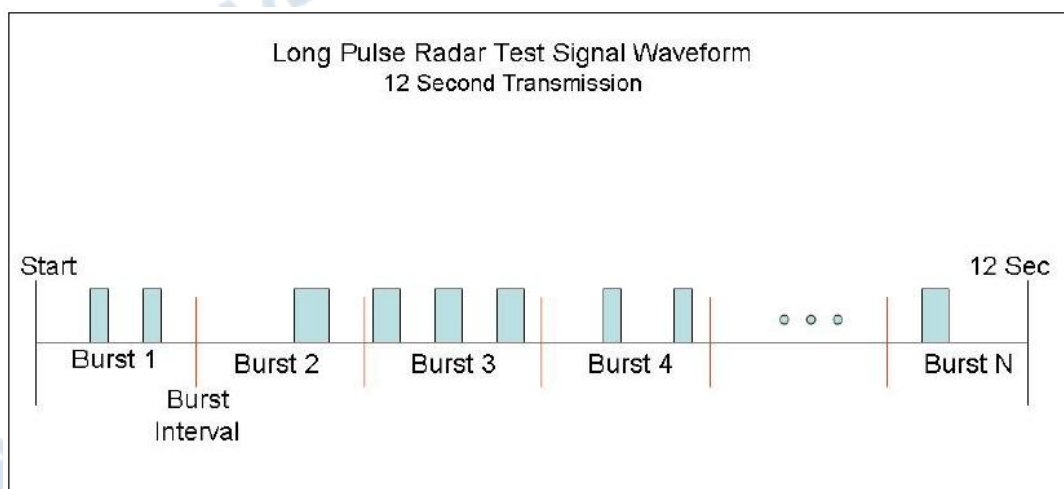
3.4.3 Each waveform is defined as follows:

- 1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
- 2) 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.
- 3) 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.
- 4) 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.
- 5) Each pulse has a linear frequency modulated 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.
- 6) 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 random time interval between the first and second pulses is chosen independently of the random time interval between the second and third pulses.
- 7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst Count. Each interval is of length $(12,000,000 / \text{Burst Count})$ microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and $[(12,000,000 / \text{Burst Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$ 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 randomly.

3.4.4 A representative example of a Long Pulse Radar Type waveform:

- 1) The total test waveform length is 12 seconds.
- 2) Eight (8) Bursts are randomly generated for the Burst Count.
- 3) Burst 1 has 2 randomly generated pulses.
- 4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
- 5) The PRI is randomly selected to be at 1213 microseconds.
- 6) Bursts 2 through 8 are generated using steps 3 – 5.
- 7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

Graphical representation of the Long Pulse Radar Test Waveform.



3.4.5 Frequency Hopping Radar Test Waveform

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

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely

3.4.6 Radar Waveform Calibration

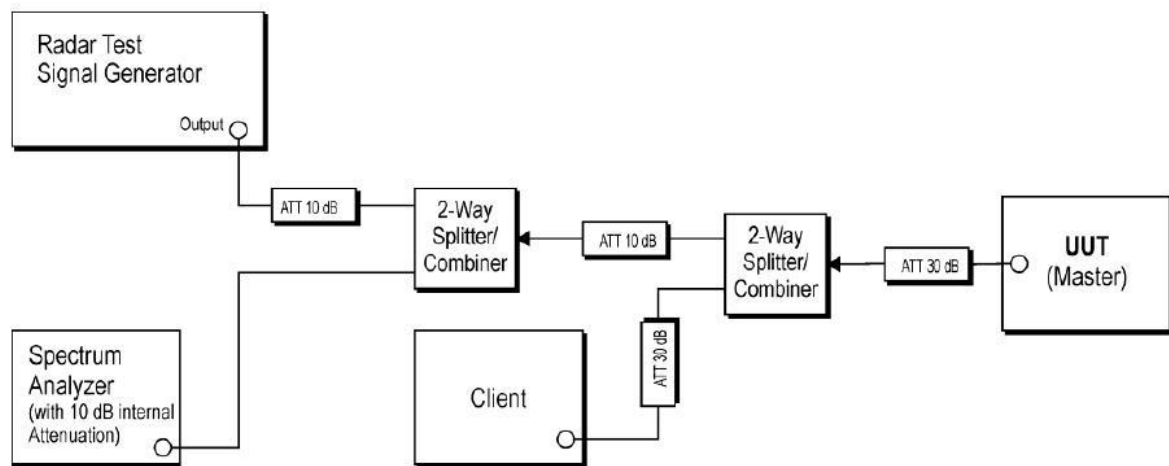
The following equipment setup was used to calibrate the conducted radar waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were replace 50ohm terminal from master and client device and no transmissions by either the master or client device. The spectrum analyzer was switched to the zero span (time domain) at the frequency of the radar waveform generator. Peak detection

was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3MHz and 3 MHz.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was -61dBm due to the interference threshold level is not required

3.4.7 DFS test setup

Setup for Master with injection at the Master



Conducted Test Setup

3.4.8 Calibration Procedure

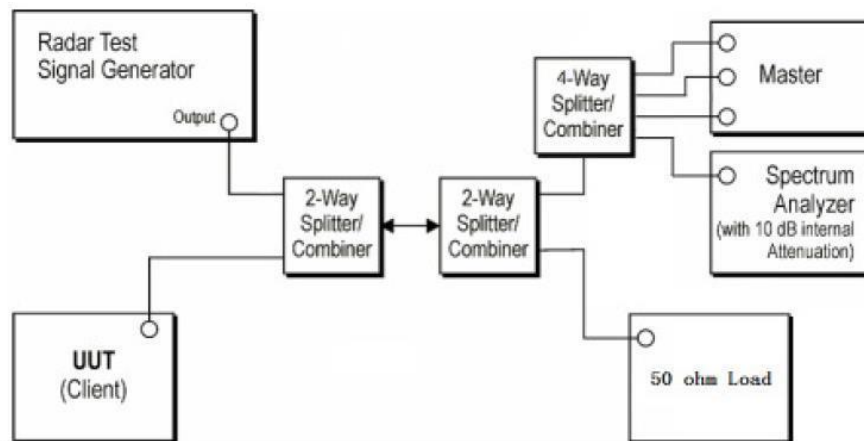
The Interference Radar Detection Threshold Level is $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63 \text{ dBm}$ that had been taken into account the output power range and antenna gain. The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50ohm terminal form Master and Client device and no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3MHz. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

4 DFS Testing

4.1 Test Procedure

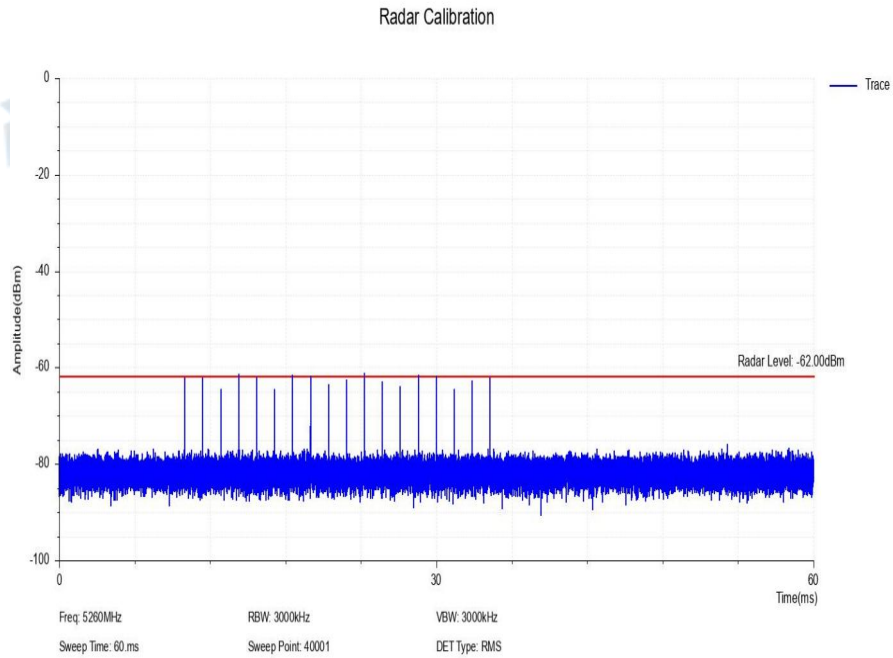
1. Master device and client device are set up by conduction method as the following configuration.
- 2.
2. The client device is connected to notebook and to access a IP address on wireless connection with the master device.
3. Then the master device is connected to another notebook to access a IP address
- 4.
5. Finally, let the two IP addresses run traffic with each other through the Run flow software "Lan test" to reach 17% channel loading as below:

4.2 Test setup

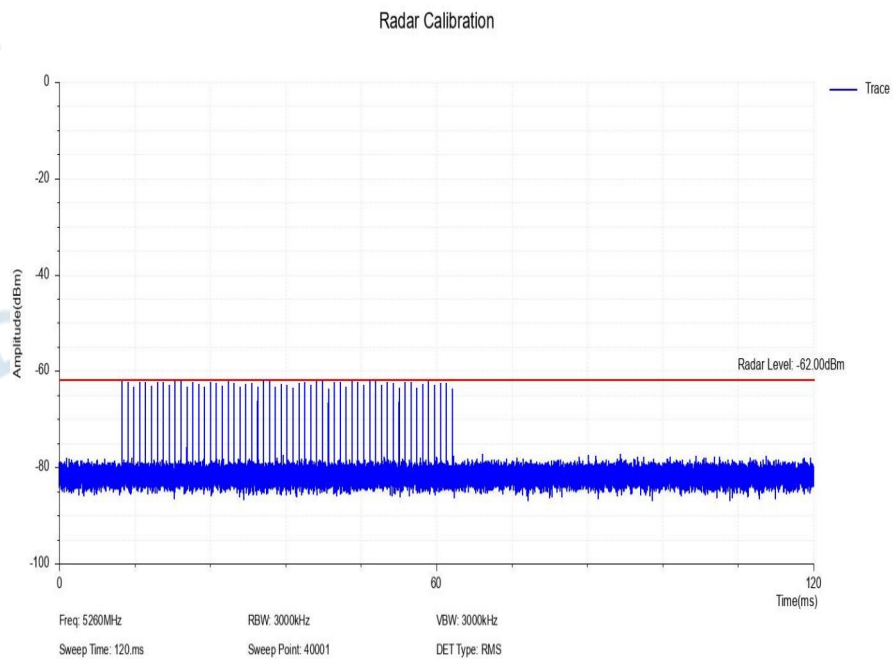


4.3 Radar Waveform Calibration Result

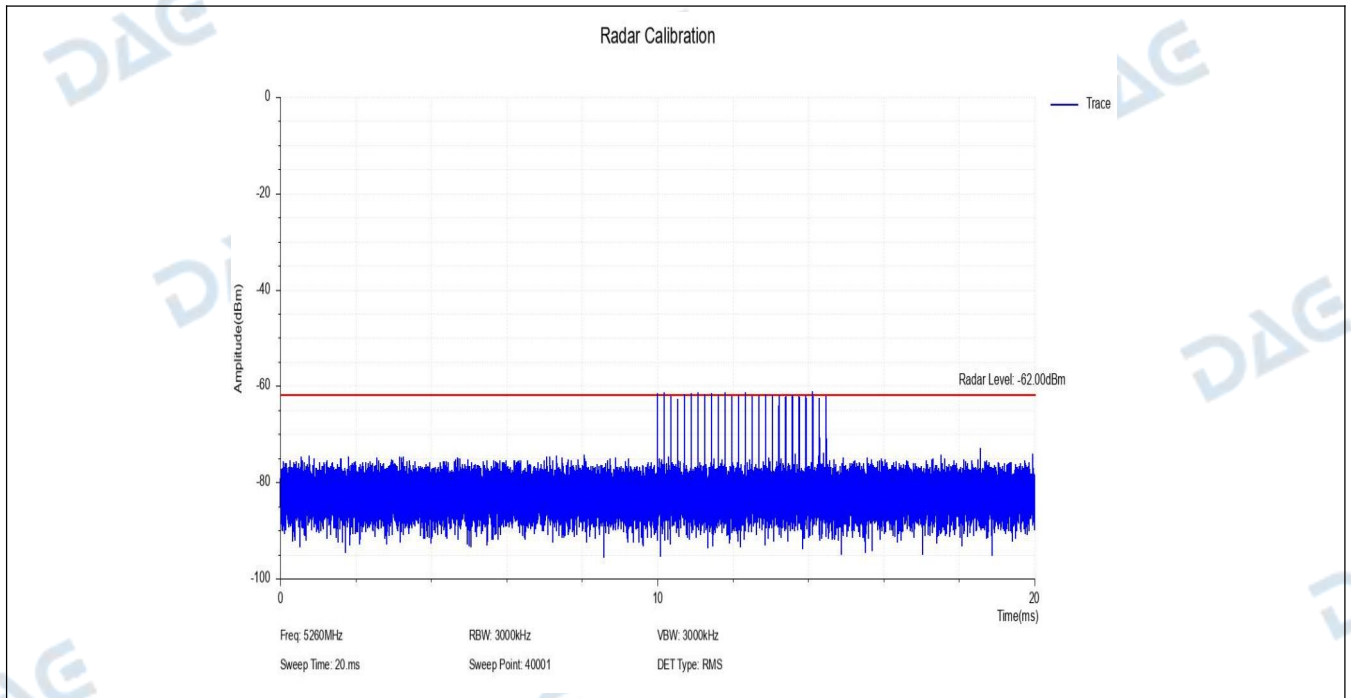
NVNT_ANT1_802_11a_Calibration_type_0



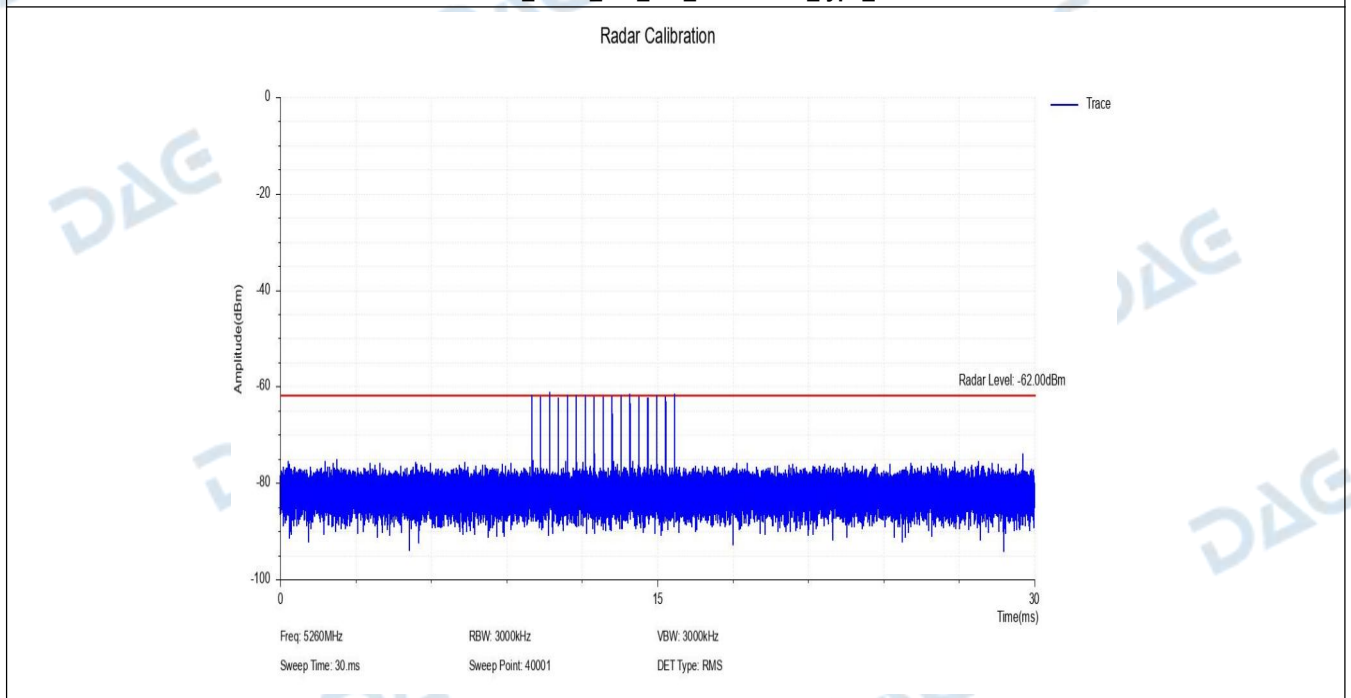
NVNT_ANT1_802_11a_Calibration_type_1



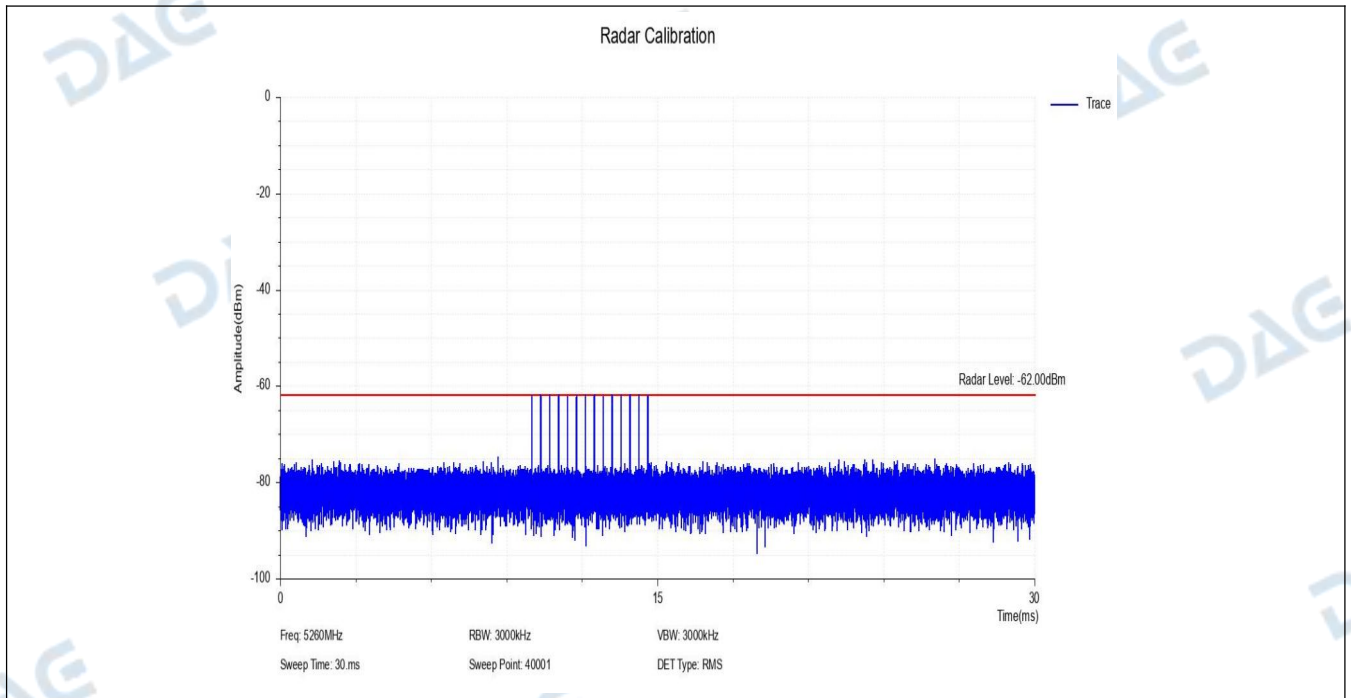
NVNT_ANT1_802_11a_Calibration_type_2



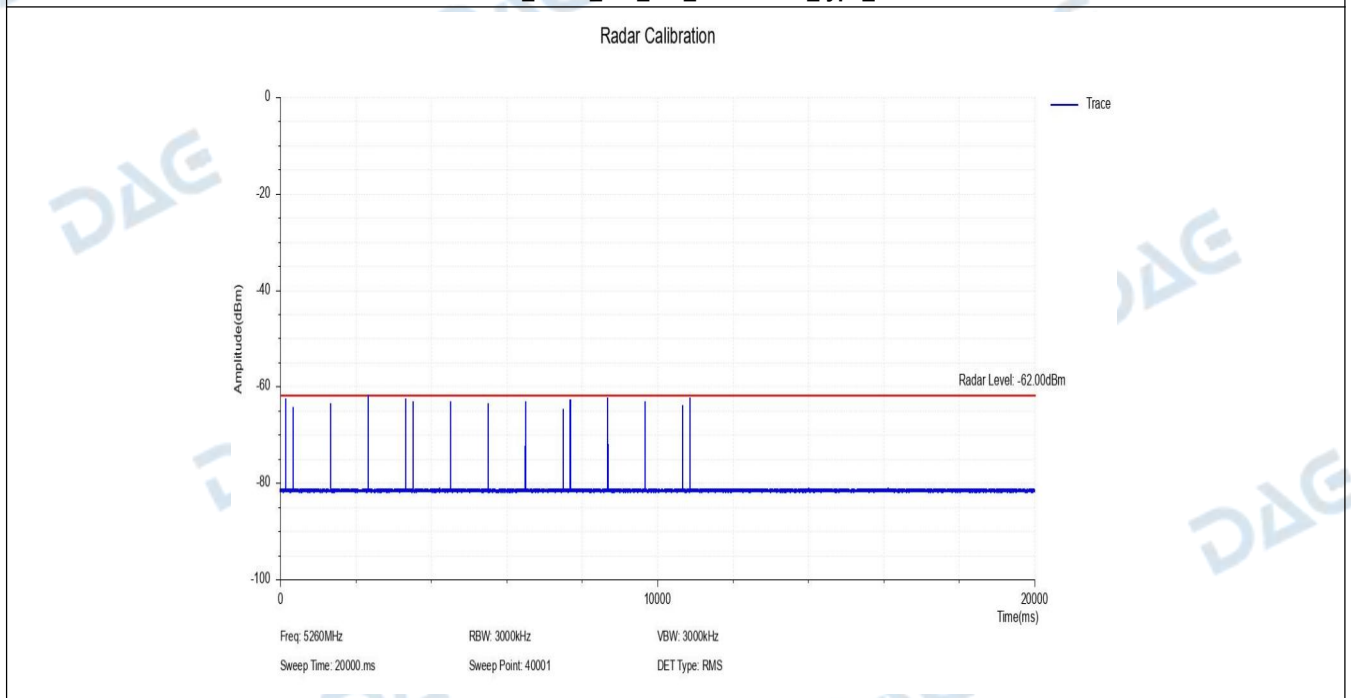
NVNT_ANT1_802_11a_Calibration_type_3



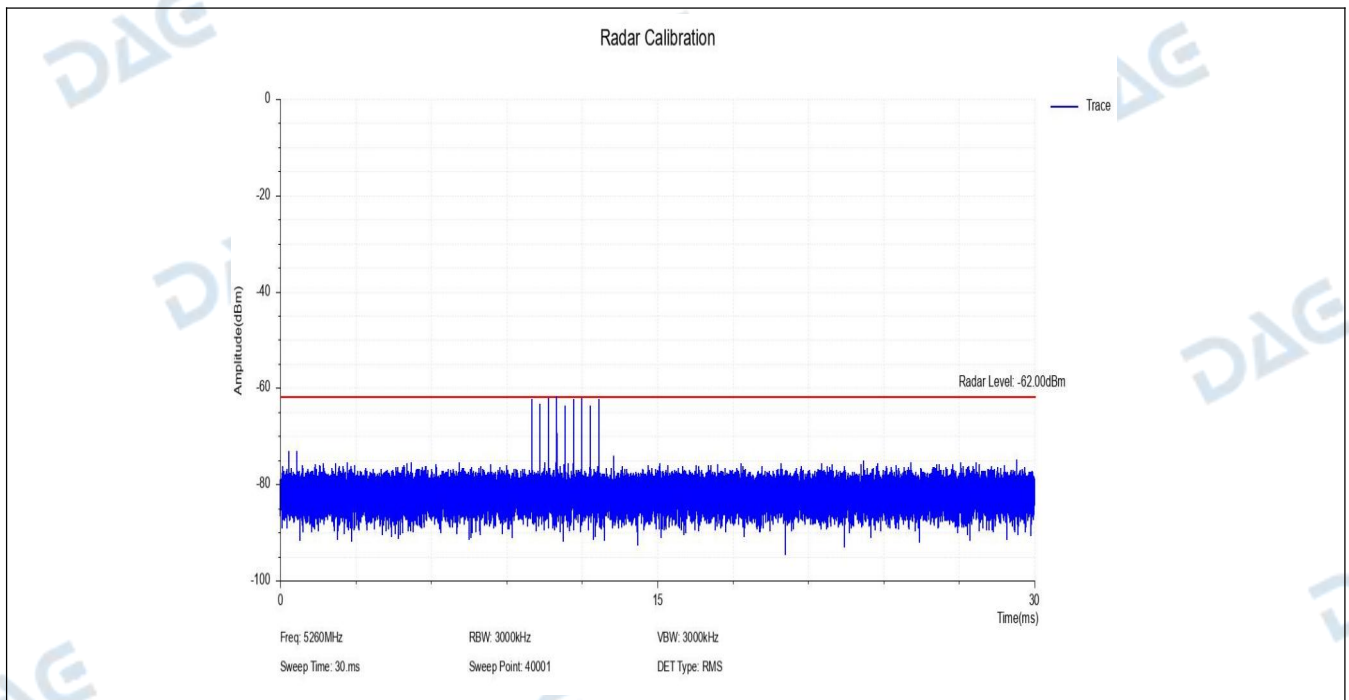
NVNT_ANT1_802_11a_Calibration_type_4



NVNT_ANT1_802_11a_Calibration_type_5



NVNT_ANT1_802_11a_Calibration_type_6



Radar 0 Statical Performances

Trial #	Number of Pukes per Burst	Pde Width (μsec)	PRI (μs)
1	18	1	428

Radar 1 Statical Performances

Trial #	Number of Pukes per Burst	Pde Width (μsec)	PRI (μs)
1	65	1	818
2	102	1	518
3	72	1	738
4	18	1	3066
5	92	1	578
6	58	1	918
7	68	1	658
8	76	1	558
9	58	1	918
10	81	1	658
11	95	1	558
12	76	1	698
13	65	1	818
14	68	1	778
15	89	1	598
16	89	1	598
17	78	1	678

18	72	1	738
19	65	1	818
20	74	1	718
21	81	1	658
22	81	1	658
23	65	1	818
24	59	1	898
25	63	1	838
26	62	1	858
27	57	1	938
28	58	1	918
29	63	1	838
30	63	1	838

Radar 2 Statical Performances

Trial #	Number of Pukes per Burst	Pde Width (μsec)	PRI (μs)
1	25	1.3	170
2	24	1.8	171
3	27	2.5	152
4	25	2.6	203
5	28	3.8	210
6	26	2.6	195
7	26	1.4	202
8	29	2.8	214
9	28	2.3	189
10	28	2	200
11	24	4.2	226
12	25	3.6	229
13	27	4	172
14	25	2.4	201
15	27	1.8	159
16	23	4.7	222
17	26	4.9	197
18	25	4	211
19	29	3.3	212
20	24	2.4	206
21	25	4.6	229
22	25	3.4	189
23	29	2.9	153
24	24	4.8	174
25	24	2.1	207
26	27	2	213
27	25	4.9	153
28	23	2	230
29	24	4.9	156
30	26	3.4	170

Radar 3 Statical Performances

Trial #	Number of Pukes per Burst	Pde Width (μsec)	PRI (μs)
1	17	7.9	472
2	17	7.8	491
3	18	6.3	457
4	18	6.8	429
5	18	6.1	420
6	17	9.8	210
7	18	7.8	322
8	17	9.7	464
9	18	6.2	497
10	16	9.1	203
11	17	10	265
12	17	8.3	467
13	16	7.5	370
14	17	9.2	264
15	17	9.8	483
16	17	7.1	257
17	17	6.5	479
18	16	8.4	225
19	18	8.4	335
20	17	9.6	332
21	16	8.3	385
22	18	6.2	361
23	18	8.6	289
24	17	9.8	261
25	17	6.9	317
26	18	9.8	356
27	17	8.8	373
28	17	9.9	481
29	16	9.7	200
30	16	8.7	460

Radar 4 Statical Performances

Trial #	Number of Pukes per Burst	Pde Width (μsec)	PRI (μs)
1	14	16	412
2	15	17	315
3	13	16.3	444
4	14	16.9	344
5	15	13.5	373
6	12	14	217
7	12	13	486
8	14	12.6	425
9	13	15.1	416
10	12	11.5	488
11	14	12.1	300
12	15	17.5	434
13	15	11.5	368
14	15	16	222
15	16	12.4	407
16	14	17.5	329
17	13	18.3	392
18	13	16.1	464
19	14	12.5	276
20	16	16	287
21	13	11.1	228
22	13	20	419
23	15	11.7	266
24	13	18.6	419
25	13	11	239
26	13	12.4	490
27	16	15.6	213
28	15	13.9	415
29	13	13.9	481
30	15	16.9	301

Radar 5 Statical Performances

Trial Number:1						
Bursts in Trial:12						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	93.6	16	1847	1350	618.231
2	2	84.2	6	1338		68.31
3	3	75.9	6	1690	1973	639.15
4	2	91.6	16	1720		9606
5	3	96.9	16	1048	1685	298.69
6	2	90.6	16	1893		226.04
7	2	60.1	16	1020		862.36
8	2	67.2	16	1239		661.55
9	2	59.1	16	1171		859.75
10	2	94.3	6	1647		13.25
11	1	87.5	6			401.6
12	2	98.9	16	1753		845.5
Trial Number:2						
Bursts in Trial:19						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	74.1	18	1187	1405	249.631
2	2	69.3	18	639		418.411
3	2	53.1	18	1793		314.492
4	1	95.9	18			225.313
5	1	78.2	18			62.294
6	2	918	18	1999		494.655
7	1	92.2	18			160.016
8	2	58.5	18	1527		231.397
9	3	64.9	18	1924	1018	441.748
10	3	839	18	1571	1639	294.549
11	1	63.1	18			386.191
12	2	907	18	1544		56.352
13	2	87.1	18	1055		96.003
14	3	97	18	1942	1225	87.254
15	1	94.3	18			398.315
16	1	89.2	18			515.726
17	1	6-4.8	18			580.937
18	2	67.1	18	1485		304.758
19	2	88.2	18	1212		94.179

Trial Number:3						
Bursts in Trial:14						
Burst	Number of Fules	Pulse Wildth (µsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (µsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	97.6	19			692.765
2	2	95.1	19	1390		106.502
3	1	52.7	19			529.344
4	3	67.7	19	1141	1221	508.721
5	2	97.7	19	1677		462.179
6	2	87.3	19	1617		483.886
7	2	99.7	19	1771		399.373
8	1	82.8	19			699.02
9	1	80.4	19			415.507
10	2	707	19	1620		197.354
11	2	76	19	1425		728.081
12	2	62.5	19	1690		149.749
13	3	53.9	19	1824	1104	673.086
14	2	78.3	19	1483		267.943

Trial Number:4						
Bursts in Trial:15						
Burst	Number of Fules	Pulse Wildth (µsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (µsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	54.6	11			427.995
2	2	74.8	11	1230		712.91
3	2	51.7	11	1507		751.14
4	1	73.1	11			21.69
5	3	70.3	11	1270	1181	69.52
6	2	82.3	11	1048		73.51
7	2	52.1	11	1728		210.74
8	2	86	11	1245		370.44
9	3	84.6	11	1838	1195	214.03
10	2	90.8	11	1189		564.28
11	2	54.9	11	1560		60.36
12	2	71.1	11	1569		372.87
13	2	94.2	11	1248		228.77
14	2	77.6	11	1763		317.4
15	2	61.7	11	1370		274.4

Trial Number:5						
Bursts in Trial:9						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	91.6	15			693.623
2	3	62.4	15	1978	1641	1178.497
3	2	93.3	15	1567		711.783
4	2	82.8	15	1362		1126.17
5	1	84.2	15			89.487
6	2	55	15	1488		250.723
7	2	83.4	15	1707		934.27
8	1	78.8	15			1273.967
9	3	65.5	15	1596	1332	560.083

Trial Number:6						
Bursts in Trial:19						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	529	18	1594	1257	475.626
2	1	57.7	18			433.001
3	2	75.3	18	1324		598.282
4	2	606	18	1417		458.563
5	1	66.1	18			168.324
6	3	69.4	18	1695	1745	262.225
7	1	83.6	18			349.636
8	3	77.9	18	1164	1192	291.167
9	2	97.8	18	1371		451.288
10	2	69.8	18	046		545.409
11	1	100	18			174.291
12	1	53.2	18			444.202
13	2	68.3	18	2000		544.193
14	3	98.2	18	1913	1917	218.574
15	3	68.3	18	1584	1690	566.185
16	2	86.1	18	1521		34.606
17	3	56.2	18	1339	1515	138.937
18	3	83.7	18	1803	1784	74.058
19	1	77.7	18			271.779

Trial Number:7						
Bursts in Trial:13						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	70.4	6	1871	1880	432.293
2	1	73.2	6			300.273
3	3	82	6	1957	1588	896.636
4	2	98.9	6	1842		449.659
5	1	85.3	6			163.562
6	2	89.6	6	1307		667.155
7	3	94.5	6	1373	1613	439.908
8	3	84.9	6	1109	1433	914.212
9	2	89.6	6	1272		99.915
10	1	77.1	6			338.698
11	3	57.1	6	1171	1339	83.661
12	2	86.6	6	1148		204.454
13	2	82.6	6	1837		612.077

Trial Number:8						
Bursts in Trial:20						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	81.3	20	1304		114.157
2	3	71.4	20	1613	1197	170.909
3	2	64.9	20	1410		85.48
4	2	51.7	20	1543		468.54
5	3	85.1	20	1900	1361	549.71
6	2	60.2	20	1223		373.85
7	3	64.7	20	290	1585	228.32
8	2	74.1	20	1559		400.12
9	2	58.5	20	1623		312.47
10	2	639	20	1824		392.7
11	2	62	20	1531		490.88
12	2	95.8	20	1405		511.67
13	3	60.2	20	1595	1505	420.69
14	2	83.1	20	1114		1506
15	2	55.6	20	1001		387.64
16	3	77	20	1953	1919	479.57
17	2	94.8	20	1053		9.7
18	2	939	20	1313		194.6
19	3	91	20	1263	1081	591.5
20	2	99.5	20	1534		327.8

Trial Number:9						
Bursts in Trial:19						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	78.7	9	1088		104.957
2	2	84.4	9	1428		178.996
3	3	65.9	9	1468	1793	332.952
4	3	59.6	9	1686	1484	121.883
5	2	99.5	9	1659		306.804
6	2	77.7	9	1826		139.755
7	2	73.9	9	1632		569.436
8	3	79.2	9	1223	1462	524.157
9	2	87.4	9	1102		601.698
10	2	539	9	1257		208.049
11	3	68.4	9	1767	1476	273.191
12	2	86.1	9	1395		202.672
13	1	60.9	9			14.453
14	3	74.9	9	1654	1642	561.524
15	2	74.1	9	1169		122.475
6	3	59	9	1633	1603	146.356
17	2	78.8	9	1092		427.637
18	2	85.1	9	1379		522.758
19	1	96.3	9			337.379

Trial Number:10						
Bursts in Trial:17						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	85.9	13	1471	1765	428.302
2	1	72.7	13			509.188
3	2	73.5	13	1797		579.005
4	3	64.4	13	1631	1485	308.803
5	3	79.6	13	1021	1534	58.021
6	3	66.7	13	1392	1413	150.378
7	2	54	13	1261		371.176
8	3	76.9	13	1438	1070	175.254
9	2	69.7	13	1072		140.141
10	2	53.8	13	1579		218.969
11	2	95.2	13	2000		456.416
12	2	87.1	13	1606		692.184
13	2	91.4	13	1900		227.752

14	2	67.2	13	1822		220.709
15	2	97.2	13	1227		71.747
16	2	607	13	1646		110.265
17	3	57.8	13	1347	1271	42.982

Trial Number:11

Bursts in Trial:16

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	79.4	19	1480		489.968
2	1	74.9	19			998.89
3	2	79.1	19	1694		5.79
4	2	57.9	19	1916		704.72
5	2	90.3	19	1797		46.44
6	2	97.4	19	1943		532.32
7	1	76.6	19			644.09
8	3	57.1	19	1732	1768	561.64
9	3	97.2	19	1787	1784	4.68
10	1	80	19			40.07
11	3	501	19	1357	1626	324.43
12	1	83	19			672.03
13	3	91.5	19	1752	1549	659.72
14	3	87	19	1364	1987	299.8
15	1	73.8	19			124.3
16	2	62.1	19	1903		17.2

Trial Number:12

Bursts in Tria:16

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	79	10			195.998
2	2	53.1	10	1384		450.33
3	3	77.8	10	1316	1424	341.76
4	3	693	10	1179	1603	708.72
5	2	84.2	10	1183		538.9
6	2	70.5	10	1241		97.71
7	3	78.8	10	1959	1050	4.88
8	1	82.5	10			183.31
9	3	91.2	10	1350	1829	486.34
10	2	65.5	10	1697		42535
11	3	84.9	10	1975	1913	702.58
12	2	94.3	10	1588		203.23

13	2	90.3	10	1762		219.51
14	2	74.4	10	1197		740.3
15	2	56.3	10	1005		439
16	2	94.1	10	1807		374.8

Trial Number:13

Bursts in Trial:12

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
	2	78.9	17	1929		442.93
2	2	70.3	17	1330		786.67
3	2	74.4	17	1654		213.51
4	2	94.1	17	1452		644.49
5	2	99.8	17	1482		703.45
6	2	94.7	17	1654		663.56
7	3	80.4	17	1476	1661	80491
8	1	54.4	17			507.3
9	2	52.2	17	1277		25.02
10	3	66.3	17	1704	1743	761.02
11	2	70.3	17	1059		168.8
12	3	63.6	17	1560	1739	388.5

Trial Number:14

Bursts in Trial:10

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
	3	71.3	20	1785	1212	1029.59
2	3	91.2	20	1240	1775	320.72
3	2	92.2	20	1965		773.72
4	2	87.3	20	1680		220.79
5	2	85.2	20	609		830.69
6	3	69.2	20	1112	1812	65.45
7	2	73.3	20	1611		1044.95
8	1	73.8	20			292.87
9	3	91.2	20	1249	1379	653.6
10	3	56.5	20	1504	1075	2904

Trial Number:15

Bursts in Trial:8

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
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1	3	51.4	7	1518	1727	809.176
2	2	83.6	7	1307		970.86
3	3	51.6	7	1760	1082	1217.56
4	3	79.2	7	1888	1432	1217.64
5	3	84.7	7	1493	1553	269.02
6	3	97.3	7	1833	1142	791.9
7	2	64.6	7	1701		487.8
8	2	80	7	1061		1124.4

Trial Number:16

Bursts in Trial:13

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	80.3	20	1960	1308	718.009
2	1	63.6	20			466.473
3	2	77.3	20	1531		652.676
4	3	76	20	1121	1470	189.589
5	2	73.1	20	1480		558.132
6	2	87.8	20	1250		219.425
7	2	77.9	20	1250		131.458
8	1	75.1	20			439.232
9	2	90.2	20	1069		109.375
10	2	69.5	20	1761		608.468
11	1	50.8	20			290.581
12	3	78.7	20	1937	1650	440.554
13	2	92.4	20	1566		242.177

Trial Number:17

Bursts in Trial:9

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	90	15	1710		902.011
2	2	65.9	15	1591		101.297
3	2	92.8	15	1945		1247.383
4	2	79.6	15	1052		86.16
5	1	81.6	15			589.737
6	2	68.3	15	1747		460.733
7	3	54.9	15	1864	1416	1184.22
8	2	77.4	15	1123		477.887
9	2	60.9	15	1012		872.083

Trial Number:18

Bursts in Trial:16						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	60.6	11	1629	1909	283.408
2	1	97.9	11			AT9.38
3	1	73.4	11			636.22
4	2	84.7	11	1791		1.3
5	2	81.1	11	1734		260.41
6	2	97.1	11	1947		716.79
7	3	70.8	11	1285	1955	243.25
8	1	84.9	11			55,047
9	1	74.5	11			19.36
10	3	93.3	11	1362	1729	266.59
11	2	84.3	11	1626		9.78
12	2	88.5	11	1238		328.18
13	2	73.2	11	1835		119.3
14	1	61.4	11			454
15	2	89.7	11	1765		12.3
16	3	63.7	11	1044	1445	743.4

Trial Number:19						
Bursts in Trial:16						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	69.5	15	1071		242.805
2	1	57.8	15			350.09
3	2	91.1	15	1491		484.08
4	2	90.2	15	1654		673.94
5	2	75.9	15	1461		389.7
6	1	72.5	15			454.11
7	3	88.5	15	1338	1930	63.29
8	1	60	15			41.53
9	1	92.2	15			391.15
10	3	68.2	15	1114	1967	201.82
11	2	66.1	15	1851		693.88
12	2	57.4	15	1950		90.13
13	3	53.8	15	1753	1560	252.33
14	1	92.3	15			436.9
15	3	71.9	15	1499	1617	6429
16	1	85.6	15			600.8

Trial Number:20						
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Bursts in Trial:12						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	96.6	17	1980		412.166
2	2	56.8	17	1416		910.49
3	3	52.1	17	1095	1684	370.27
4	2	62.7	17	1709		972.13
5	2	51.7	17	1801		820.75
6	1	74.2	17			979.07
7	2	58.3	17	1529		885.68
8	3	75.1	17	1305	1180	971.98
9	2	94	17	1894		718.84
10	3	99.1	17	1084	1537	59.89
11	1	97.2	17			712.5
12	3	95.1	17	1268	1454	783.4

Trial Number:21						
Bursts in Trial:13						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	54.1	8			402.22
2	2	78.2	8	1825		487.693
3	1	77.5	8			481.576
4	1	80.9	8			302.08
5	3	73.8	8	294	1539	501.412
6	1	67.2	8			543.475
7	1	79.9	8			174.448
8	2	54.4	8	1270		783.622
9	1	70.9	8			116.785
10	1	82.6	8			90.048
11	2	58	8	1285		595.601
2	1	53.7	8			265.06
13	2	83.1	8	1624		367.577

Trial Number:22						
Bursts im Trial:13						
Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	72.8	18			291.86
2	2	77.6	18	1650		551643
3	2	72.2	18	1120		793.426

4	1	77.5	18			135.049
5	2	92.6	18	1665		336.912
6	1	81.4	18			562.305
7	2	6	18	1937		57.268
8	3	67	18	1315	1692	756.272
9	2	57.8	18	1573		461.145
10	2	83.6	18	1886		105.458
11	2	58.6	18	118		232.771
2	2	62.8	18	1241		244.854
13	2	81.4	18	1897		912677

Trial Number:23
Bursts in Trial:8

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	88.2	10	1704		1119.56
2	1	50.5	10			1385.62
3	3	84.6	0	1995	1424	622.77
4	3	89.4	0	961	1285	85.03
5	1	76.9	10			628.59
6	3	69.7	10	1493	1156	48.53
7	1	86	10			551.12
8	2	68.3	10	1310		1286.4

Trial Number:24
Bursts in Trial:11

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	85.2	13	1947		658.822
2	1	95.8	13			762.801
3	2	97.2	13	1096		751.442
4	2	61.7	13	1838		107.123
5	1	59.7	13			991.764
6	2	75.8	13	1883		11.575
7	3	50	3	1682	1325	697.815
8	3	56.1	13	1611	1949	743.626
9	2	89	13	1215		821.807
10	1	56.8	13			650.018
11	3	69.8	13	1139	1688	59.309

Trial Number:25
Bursts in Trial:14

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	836	5			315.874
2	1	65.3	5			0.113
3	1	56.5	5			213.084
4	3	58.2	5	1956	1109	101.101
5	2	54	5	1904		37.759
6	2	89.4	5	1070		43.276
7	3	92.4	5	1105	1707	420.83
8	3	66.8	5	1708	1280	431.02
9	2	62.1	5	1124		634.157
10	2	88.6	5	1631		70.914
11	3	66.9	5	1790	1297	7.901
12	2	84.7	5	1897		822.429
13	1	85.6	5			639.186
14	2	88.9	5	1866		598.543

Trial Number:26
Bursts in Trial:15

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	1	82.8	13			644.239
2	3	70.2	13	1495	1030	689.39
3	2	52.9	13	1458		139.58
4	1	701	13			85.86
5	2	77.5	13	1631		562.08
6	2	70.2	13	1500		531.08
7	2	82.9	13	1829		402.97
8	2	50	13	1596		654.68
9	1	51	13			468.5
10	3	90.4	13	1523	1382	641.36
11	3	55.6	13	1638	130	310.94
12	2	89.3	13	1333		268.27
13	3	69.6	13	1993	1263	783.4
14	1	507	13			236.1
15	3	80.8	13	1921	1556	86.8

Trial Number:27
Bursts in Trial:12

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
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1	1	63	20			23.935
2	3	91.1	20	1018	1610	869.96
3	1	98.1	20			677
4	1	84.5	20			806.74
5	2	96.4	20	1983		74.08
6	2	79.7	20	1321		453.55
7	1	90	20			675.92
8	3	99.2	20	1932	622	6.4
9	2	60.5	20	1266		608.04
10	3	58.5	20	1753	1333	976.52
11	3	51.9	20	1435	965	825
12	1	57.2	20			745.4

Trial Number:28
Bursts in Trial:10

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	77.1	11	1968	1325	213.606
2	3	54.3	11	1897	1020	249.26
3	2	75.2	11	1370		984.34
4	2	77.2	11	1570		1068.88
5	2	68.9	11	1077		624.85
6	3	95.2	11	1504	1591	63.93
7	2	70.4	11	1948		113364
8	3	57.5	11	1144	1229	365.38
9	2	61.7	11	1939		499.8
10	2	99.5	11	13%5		716.3

Trial Number:29
Bursts in Trial:19

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	2	96.2	15	1357		431.184
2	1	73	15			393.801
3	2	86.7	15	1952		182.322
4	3	79.9	15	1332	1651	230.583
5	2	90.7	15	1276		13.344
6	1	54.3	15			374.635
7	3	58.5	15	1228	1184	442.896
8	2	82.8	15	1414		159.577
9	2	72.1	15	1953		201.808
0	2	81.3	15	186		409.059

11	2	84.1	15	1280		83.361
12	2	94.5	15	1396		451.772
13	2	56.9	15	1357		592.873
14	2	73	15	1639		350.104
15	2	61.3	15	1751		573.515
6	3	76	15	1040	1130	387.316
17	1	54.9	15			612.637
18	3	61.4	15	1678	1827	525.058
19	2	68.6	15	1400		29.379

Trial Number:30
Bursts in Trial:12

Burst	Number of Fules	Pulse Wildth (μsec)	Chirp Width (MHz)	Pulse 1-Lo-2 PRI (μsec)	Pulse 2-to-3 PRI (usec)	Start Location Within Interval (msec)
1	3	79.7	10	1968	1828	271.775
2	2	56.3	10	1144		680.91
3	2	81.9	10	1423		652.33
4	2	62.6	10	1529		92
5	3	55.4	10	1721	564	122.39
6	2	60.2	10	1069		912.03
7	2	93.5	10	1920		645.18
8	2	89.6	10	1018		408.17
9	3	90	10	1387	1463	80.64
10	3	57.4	10	1401	1921	744.38
11	3	91.8	10	1485	1883	01
12	3	72.9	10	1392	1443	370.4

Radar 6 Statical Performances

Trial #	Pulse Width (μs)	PRI (μs)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Number of Pulses
1	1	9	9	0.3333	300	16
2	1	9	9	0.3333	300	10
3	1	333.3	9	0.3333	300	14
4	1	333.3	9	0.3333	300	19
5	1	333.3	9	0.3333	300	15
6	1	333.3	9	0.3333	300	18
7	1	333.3	9	0.3333	300	14
8	1	333.3	9	0.3333	300	14
9	1	333.3	9	0.3333	300	21
10	1	333.3	9	0.3333	300	15
11	1	333.3	9	03328	300	16
12	1	333.3	9	0.3333	300	24

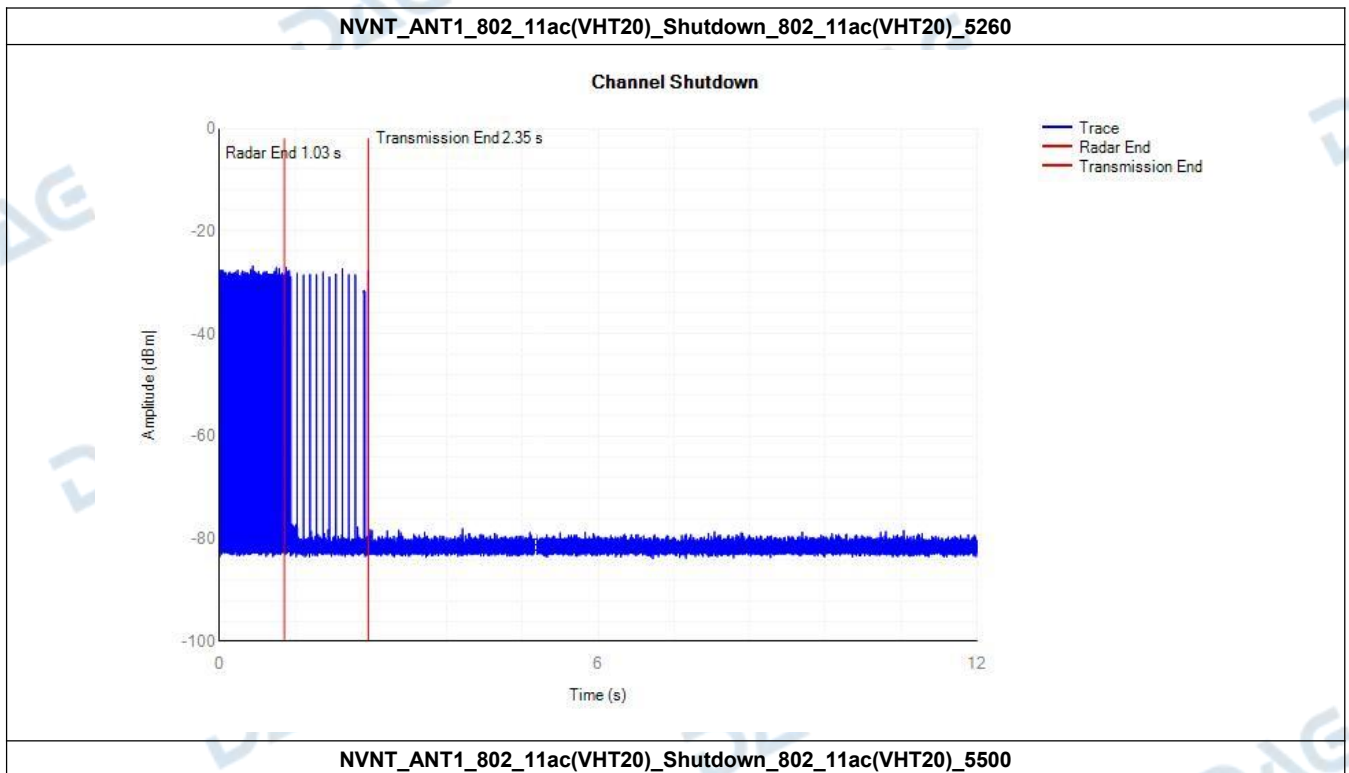
13	1	333.3	9	0.3333	300	13
14	1	333.3	9	0.3333	300	20
15	1	333.3	9	0.3333	300	17
16	1	333.3	9	0.3333	300	20
17	1	333.3	9	0.3333	300	16
18	1	333.3	9	0.3333	300	18
19	1	333.3	9	0.3333	300	14
20	1	333.3	9	0.3333	300	16
21	1	333.3	9	0.3333	300	20
22	1	333.3	9	03388	300	19
23	1	333.3	9	0333g	300	23
24	1	333.3	9	0.3333	300	17
25	1	333.3	9	0.3333	300	16
26	1	333.3	9	0.3333	300	13
27	1	333.3	9	0.3333	300	13
28	1	333.3	9	0.3333	300	18
29	1	333.3	9	0.3333	300	19
30	1	333.3	9	0.3333	300	20

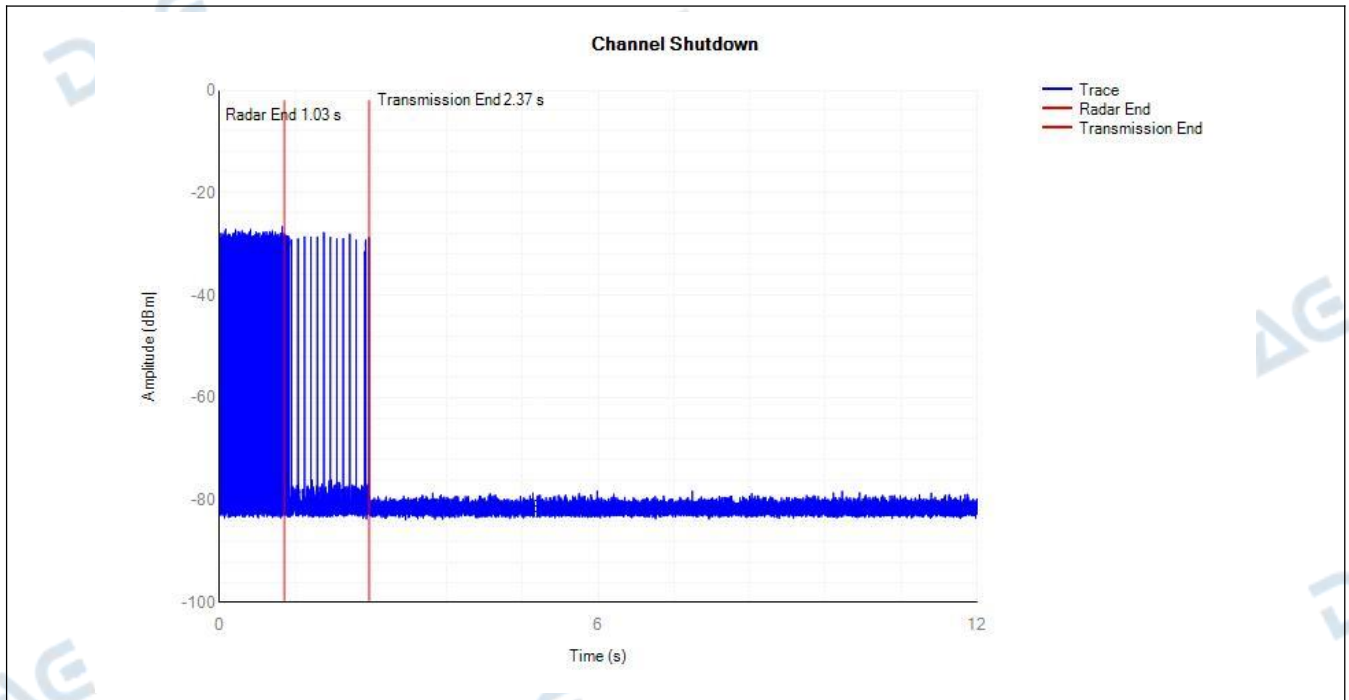
4.4 Channel Loading

Condition	Antenna	Modulation	Frequency(MHz)	Time On(ms)	Total Time(ms)	Radio (%)	Limit(%)	Result
NVNT	ANT1	802.11ac(VHT20)	5260.00	31.24	100	31.24	17	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	31.13	100	31.13	17	Pass

4.5 Channel Closing Transmission Time

Condition	Antenna	Mode	Frequency (MHz)	Channel Move Time(s)	Channel Move Time Limit(s)	Close Transmission Time (s)	Close Transmission Time Limit(s)	Result
NVNT	ANT1	802.11ac(VHT20)	5260.00	1.05	10	0.88	1	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	1.06	10	0.84	1	Pass

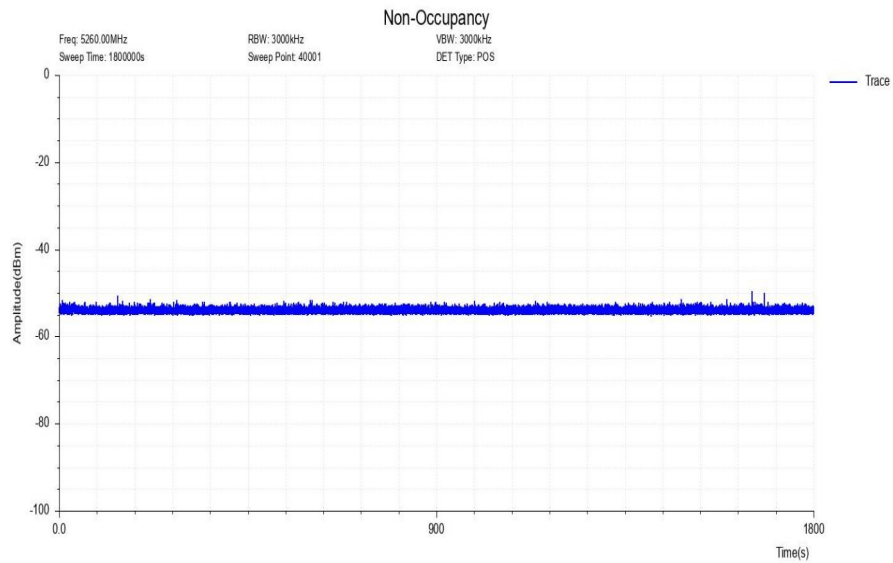




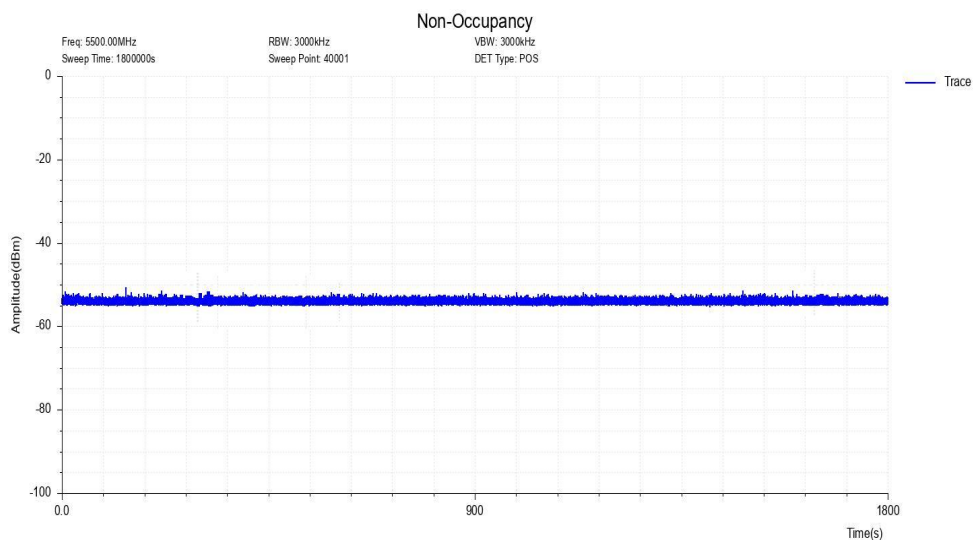
4.6 Shutdown&Non-Occupancy

Condition	Antenna	Modulation	Frequency (MHz)	Pulse NO.	Limit	Result
NVNT	ANT1	802.11ac(VHT20)	5260.00	0	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	0	30	Pass

NVNT_ANT1_802_11ac(VHT20)_Non-Occupancy_802_11ac(VHT20)_5260



NVNT_ANT1_802_11ac(VHT20)_Non-Occupancy_802_11ac(VHT20)_5500



***** End of Report *****