

FCC - DFS TEST REPORT

Report Number	709502279	703-00B	Date of Issue:	March 23, 2023
Model	Aoralscan 3	3 Wireless		
Product Type	Intraoral So	anner		
Applicant	SHINING 3	D Tech Co.	, Ltd.	
Address	No.1398, X Zhejiang, C		ad, Wenyan, Xiac	oshan, Hangzhou,
Manufacturer	: SHINING 3D Tech Co., Ltd.			
Address	: No.1398, Xiangbin Road, Wenyan, Xiaoshan, Hangzhou, Zhejiang, China			
Test Result	■ Positive	□ Neç	gative	
Total pages including Appendices	26			

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2 Details about the Test Laboratory

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

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Test Firm FCC

Registration Number:

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FCC Designation

Number:

CN1183

Test Firm IC

Registration Number:

25988

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3 Description of the Equipment Under Test

Product: Intraoral Scanner

Model no.: Aoralscan 3 Wireless

FCC ID: 2AMG4-AOS3W

Options and

accessories:

NA

Rating: DC 3.6V

RF Transmission

For 5G Wi-Fi

Frequency:

For 802.11a/n/ac/ax:

5180~5240 MHz (U-NII-1) 5260~5320 MHz (U-NII-2A) 5500~5720 MHz (U-NII-2C) 5745~5825 MHz (U-NII-3)

RF Transmission Frequency (DFS

band):

5260~5320 MHz (U-NII-2A) 5500~5720 MHz (U-NII-2C)

No. of Operated

Channel:

5180~5240 MHz (U-NII-1) 5260~5320 MHz (U-NII-2A)

5500~5720 MHz (U-NII-2C) 5745~5825 MHz (U-NII-3)

Modulation: Orthogonal Frequency Division Multiplexing (OFDM) for 802.11a/n/ac/ax

Hardware Version: V1.0

Software Version: V1.0

Data speed: Wi-Fi:

SISO: 11a 6 ~ 54Mbps,

11n HT20 6.5 ~ 72.2Mbps, 11n HT 40 13.5 ~ 150Mbps, 11ac VHT20 6.5 ~ 86.7Mbps, 11ac VHT40 13.5 ~ 200Mbps,

11ac VHT80 29.3 ~ 433.3Mbps

11ax HE20 7.313 ~ 143.382Mbps,11ax HE40 14.625 ~

286.765Mbps,

11ax HE80 30.625 ~ 600.490Mbps

MIMO: 11a 6 ~ 54Mbps,

11n HT20 13 ~ 144.4Mbps, 11n HT 40 27 ~ 300Mbps, 11ac VHT20 13 ~ 173.3Mbps, 11ac VHT40 27 ~ 400Mbps,

11ac VHT80 58.5 ~ 866.7Mbps

11ax HE20 14.625 ~ 286.765Mbps,11ax HE40 29.250 ~ 573.529Mbps,

11ax HE80 61.250 ~ 1200.980Mbps

Antenna Type: FPC

EMC_SHA_F_R_02.14E

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Antenna Gain: Antenna1: 1.54 dBi, Antenna2: 1.46 dBi

Directional gain: For output power: 1.54 dBi

Max. gain +array gain

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4

For power spectral density: 4.55 dBi

GANT+ Array Gain

Array Gain= 10 log(NANT/Nss) dB.

Max EIRP: 11.55dBm(14.29mW)

Description of the

The Equipment Under Test (EUT) is a Intraoral Scanner with Wi-Fi Module.

EUT:

The EUT support Wi-Fi operated at 5GHz.

Test sample no.: SHA-687657-2

The sample's mentioned in this report is/are submitted/ supplied/ manufactured by client. The laboratory therefore assumes no responsibility for accuracy of information on the brand name, model number, origin of manufacture, consignment, antenna gain or any information supplied



4 Summary of Test Standards

	Test Standards
FCC Part 15 Subpart E	PART 15 - RADIO FREQUENCY DEVICES
15.407(h)	Subpart E - Unlicensed National Information Infrastructure Devices

Test Method:

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 KDB 662911 D01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices



5 Summary of Test Results

Technical Requirements				
FCC Part 15 Subpart E; KDB 905462 D02				
Clause	Test	T	est Resu	lt
		Pass	Fail	N/A
15.407(h)(2); 6.3; 7.8.1	UNII Detection Bandwidth			
15.407(h)(2);	Initial Channel Availability Check Time (CAC)			
6.3; 7.8.2	Radar Burst at the Beginning of the CAC			
Performance Requirement Check	Radar Burst at the End of the CAC			\boxtimes
15.407(h)(2);	Channel Move Time	\boxtimes		
6.3; 7.8.3	Channel Closing Transmission Time			
In-Service Monitoring	Non-Occupancy Period	\boxtimes		
15.407; 6.3; 7.8.4	Statistical Performance Check			\boxtimes

Remark: ^a The EUT is a Client Device without Radar Detection.



6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: 2AMG4-AOS3W, complies with DFS requirement in FCC Part 15 Subpart E.

SUMMARY:

All tests according to the regulations cited on page 5 were

- Performed
- □ Not Performed

The Equipment Under Test

- **Fulfills** the general approval requirements.
- ☐ **Does not** fulfill the general approval requirements.

Sample Received Date: Feb. 01, 2023

Testing Start Date: Feb. 01, 2023

Testing End Date: Mar. 10, 2023

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch -

Reviewed by: Prepared by: Tested by:

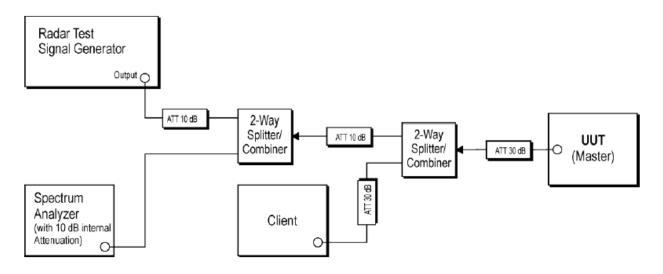
Hui TONG Reviewer Engineer

Wenqiang LU Project Engineer Huali CHENG Test Engineer

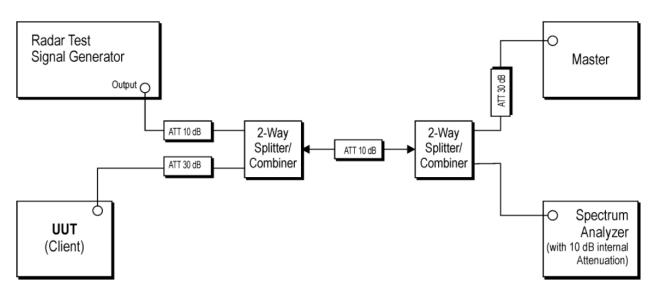


7 Test setups

7.1 Setup for Master with injection at the Master

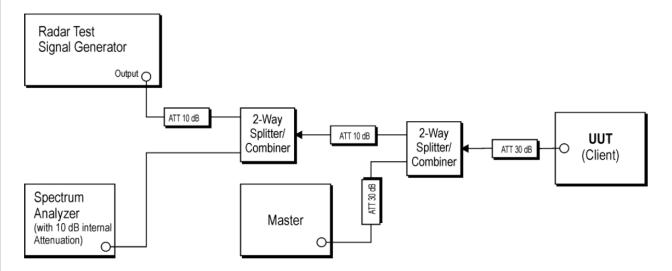


7.2 Setup for Client with injection at the Master





7.3 Setup for Client with injection at the Client





8. Systems test configuration

8.1 Auxiliary Equipment and software Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
Notebook	MSI	Crossnair 15 R6E B12UEZ	
Cradle (AP)	SHINING 3D Tech	Cra 3W	
	Co., Ltd.	(FCC ID: 2AMG4-CRA3W)	

Test software: cmd.exe, which used to control the EUT in continues transmitting mode. The system was configured to channel:

Test Mode		Channel (MHz)	
802.11a,		5G WIFI-Band 1	
802.11n HT20 802.11ac VHT20	CH36 (5180MHz)	CH40 (5200MHz)	CH48 (5240MHz)
802.11ac HE20		5G WIFI-Band 2	
	CH52 (5260MHz)	CH56 (5280MHz)	CH64 (5320MHz)
		5G WIFI-Band 3	
	CH100 (5500MHz)	CH116 (5580MHz)	CH140 (5700MHz)
	CH144 (5720MHz)		
		5G WIFI-Band 4	
	CH149 (5745MHz),	CH157 (5785MHz)	CH165 (5825MHz)

Test Mode	Channel (MHz)		
802.11n HT40	5G WIFI-Band 1		
802.11ac VHT40	CH38 (5190MHz) CH46 (5230MHz)		
	5G WIFI-Band 2		
	CH54 (5270MHz) CH62 (5310MHz)		
	5G WIFI-Band 3		
	CH102 (5510MHz)	CH110 (5550MHz) CH134 (5670MHz)	
	CH142 (5710MHz)		
	5G WIFI-Band 4		
	CH151 (5755MHz) CH159 (5795MHz)		

Test Mode		Channel (MHz)	
802.11ac VHT80	5G WIFI-Band 1		
	CH42 (5210MHz)		
	5G WIFI-Band 2		
	CH58 (5290MHz)		
	5G WIFI-Band 3		
	CH106 (5530MHz) CH123 (5610MHz) CH138 (5690MHz)		
	5G WIFI-Band 4		
	CH155 (5775MHz)		

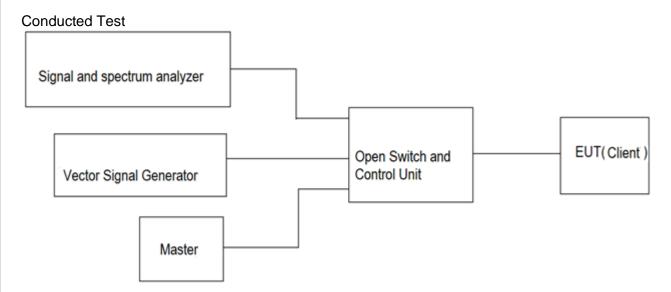


The pre-test has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.

	Modulation Type 802.11a OFDM	Data Rate 6Mbps
	802.11n (HT20): OFDM	MCS0 (6.5Mbps)
	802.11n (HT40): OFDM	MCS0 (13.5Mbps)
SISO	802.11ac (VHT20): OFDM	11ac 6.5Mbps
3130	802.11ac (VHT40): OFDM	11ac 13.5Mbps
	802.11ac (VHT80): OFDM	11ac 29.3Mbps
	802.11ax (HE20): OFDM	11ax 7.313Mbps
	802.11ax (HE40): OFDM	11ax 14.625Mbps
	802.11ax (HE80): OFDM	11ax 30.625Mbps
	Modulation Type	Data Rate
	802.11a OFDM	6Mbps
	802.11n (HT20): OFDM	MCS0 (13Mbps)
	802.11n (HT40): OFDM	MCS0 (27Mbps)
MIMO	802.11ac (VHT20): OFDM	11ac 13Mbps
IVIIIVIO	802.11ac (VHT40): OFDM	11ac 27Mbps
	802.11ac (VHT80): OFDM	11ac 58.5Mbps
	802.11ax (HE20): OFDM	11ax 14.625Mbps
	802.11ax (HE40): OFDM	11ax 29.250Mbps
	802.11ax (HE80): OFDM	11ax 61.250Mbps

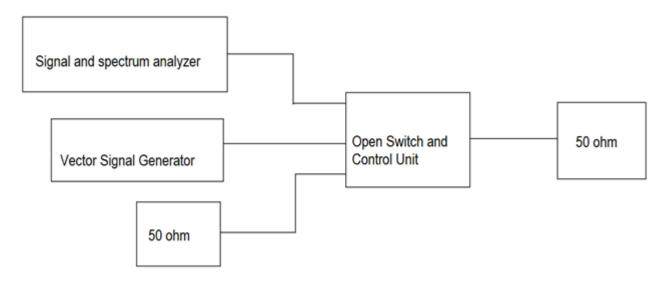


8.2 MWRF test system configuration



Conducted Radar waveform calibration

- (1) A 50ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master.
- (2) The interference Radar Detection Threshold Level is -62dBm+2.9dB+1.5dB=-57.6dBm that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (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 3MHz. The spectrum analyzer had offset -1.5dB to compensate RF cable loss 1.5dB. And antenna cable is supplied with device, so antenna cable loss is 0.4dB.
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was -62dBm+2.9dB+1.5dB=-57.6dBm. Capture the spectrum analyzer plots on short pulse radar waveform.





8.3 Channel Loading

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

a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.
d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.



9 Dynamic Frequency Selection (DFS) Requirement

9.1 DFS Overview

The following table from KDB 905462 lists the applicable requirements for the DFS testing.

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

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

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational	Operational Mode		
	Master Device or Client with Radar Detection	Client Without Radar Detection		
DFS Detection Threshold	Yes	Not required		
Channel Closing Transmission Time	Yes	Yes		
Channel Move Time	Yes	Yes		
U-NII Detection Bandwidth	Yes	Not required		

Radar Detection	Detection
All BW modes must be tested	Not required
Test using widest BW mode	Test using the widest
available	BW mode available for
	the link
Any single BW mode	Not required
	All BW modes must be tested Test using widest BW mode available

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.



9.2 DFS Detection Thresholds

Table 3 below provides the *DFS Detection Thresholds* for *Master Devices* as well as *Client Devices* incorporating *In-Service Monitoring*

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

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

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.

9.3 Response Requirements

Table 4 provides the response requirements for *Master* and *Client Devices* incorporating DFS.

Table 4: DFS Response Requirement Values

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

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

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

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



9.5 RADAR TEST WAVEFORMS

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.

Table 5 - Short Pulse Radar Test Waveforms

Radar	Pulse Width	PRI	Number of Pulses	Minimum	Minimum
Type	(µsec)	(µsec)		Percentage of	Number of
				Successful	Trials
				Detection	
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected	Roundup $ \left\{ \frac{\left(\frac{1}{360}\right)}{\left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu \text{sec}}}\right)} \right\} $	60%	30
2	1-5	in Test A 150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
	Radar Types 1-		12 10	80%	120
	(D.1 D.1		1.0 (1 1 () 1	1 111 1	1

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.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 μ sec is selected, the number of pulses would be

Roundup
$$\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{3066} \right) \right\} = \text{Round up } \{17.2\} = 18.$$



Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition	Pulse Repetition Frequency	Pulse Repetition
Frequency	(Pulses Per Second)	Interval
Number		(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

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful			
			Detection			
1	35	29	82.9%			
2	30	18	60%			
3	30	27	90%			
4	50	44	88%			
Aggregate (82.9% + 60% + 90% + 88%)/4 = 80.2%						



Table 6 – Long Pulse Radar Test Waveform

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

The parameters for this waveform are randomly chosen. 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.

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 / *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 randomly.

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).



Table 7 – Frequency Hopping Radar Test Waveform

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

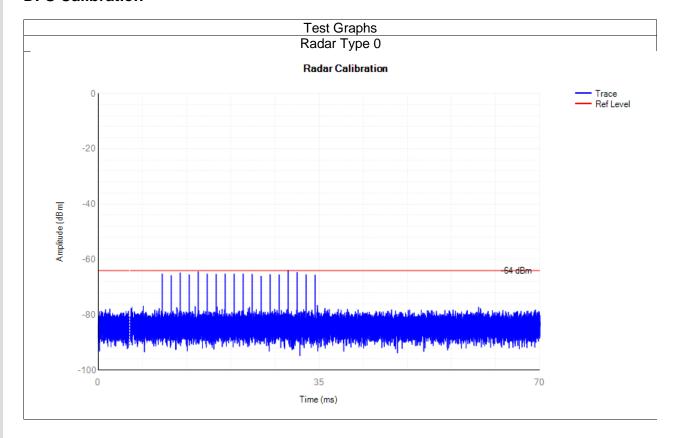
For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

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.



10 Test Result

DFS Calibration

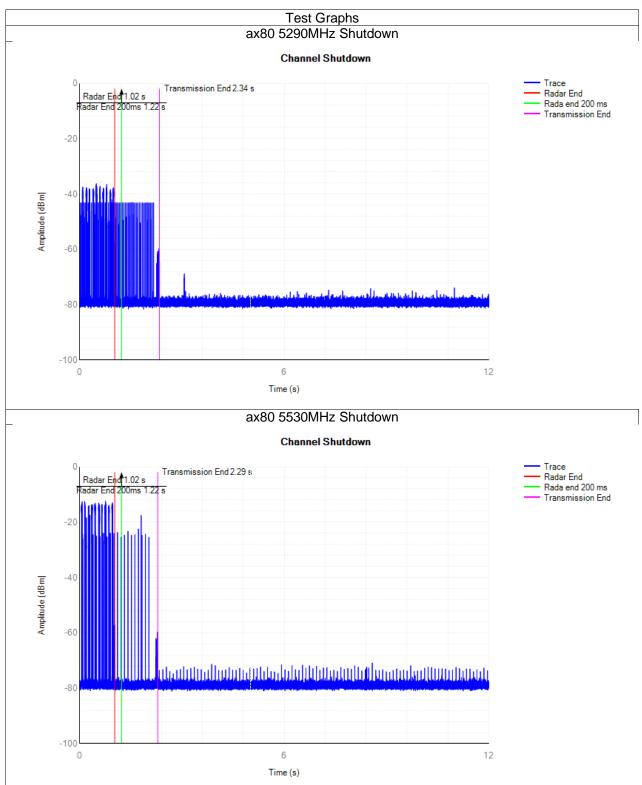




Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax80	5290	1.3125	10	0.0336	0.26	0.0284	0.06	Pass
ax80	5530	1.2637	10	0.0104	0.26	0.0084	0.06	Pass



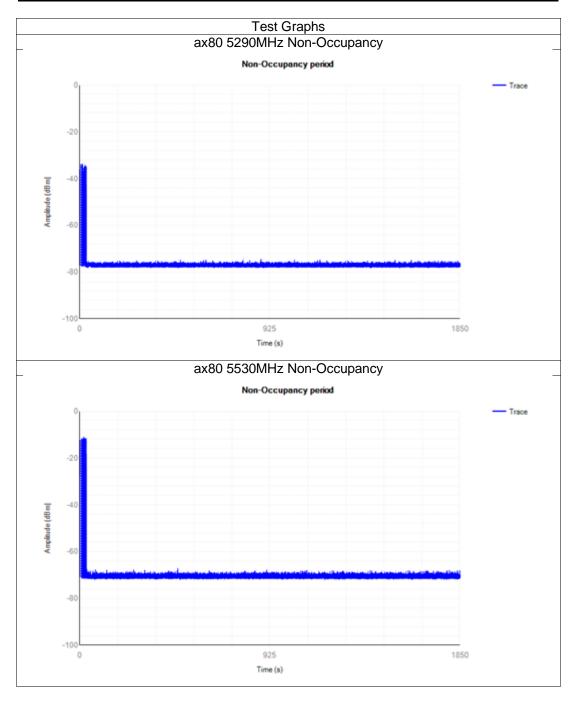




Non-Occupancy

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.

Channel Bandwidth (MHz)	Channel (MHz)	Non- Occupancy	Limit Non-Occupancy	Result
80	5290	>30min	30min	Pass
00	5530	>30min	30min	Pass





11 Test Equipment List

MWRF Test System

ě											
		DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE DATE				
		Vector signal generator	Agilent	N5182A	S2110417b- YQ-EMC	2022-11-24	2023-11- 23				
	С	RF automatic control unit	MWRFtest	MW100- RFCB	S2110418b- YQ-EMC	2022-9-30	2023-9-29				
		Signal Analyzer	R&S	FSV40	S1503003- YQ-EMC	2022-8-1	2023-7-31				

Measurement Software Information						
Test Item Software Manufacturer Version						
С	MTS 8310	MWRFtest	2.0.0.0			



12 System Measurement Uncertainly

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

Items	Extended Uncertainty
Conducted Disturbance at Mains Terminals	150kHz to 30MHz, LISN, ±3.16dB
Radiated Disturbance	30MHz to 1GHz, ±5.03dB (Horizontal) ±5.12dB (Vertical) 1GHz to 18GHz, ±5.15dB (Horizontal) ±5.12dB (Vertical) 18GHz to 25GHz, ±4.76dB

Measurement Uncertainty Decision Rule:
Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2021, clause 4.4.3 and 4.5.1.