

TEST REPORT

Report No.: BCTC2605360215-6E

Applicant: FFF SMART LIFE CONNECTED Corporation

Product Name: Windows tablet

Test Model: F3P20-N100GR

Tested Date: 2026-05-18 to 2026-06-10

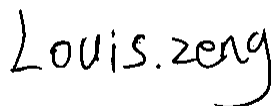
Issued Date: 2026-06-11

Shenzhen BCTC Technology Co., Ltd.



Product Name: Windows tablet
Trademark: N/A
Model/Type reference: F3P20-N100GR
Prepared For: FFF SMART LIFE CONNECTED Corporation
Address: 8-3-4, Fukaya Naka, Ayase-shi, Kanagawa-ken, 252-1107, Japan
Manufacturer: FFF SMART LIFE CONNECTED Corporation
Address: 8-3-4, Fukaya Naka, Ayase-shi, Kanagawa-ken, 252-1107, Japan
Prepared By: Shenzhen BCTC Technology Co., Ltd.
Address: 101M., Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong, P. R.China
Sample Received Date: 2026-05-18
Sample tested Date: 2026-05-18 to 2026-06-10
Issue Date: 2026-06-11
Report No.: BCTC2605360215-6E
Test Standards: Article 2, Paragraph1, item 19-3
MIC Notice No.88 Appendix No.45
Test Results: PASS

Tested by:



Louis Zeng/ Project Handler

Approved by:



Sewen Guo/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Technology Co., Ltd., this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.



Table Of Content

Test Report Declaration	Page
1. Version	4
2. Test Summary	5
3. Product Information And Test Setup	6
3.1 Product Information	6
3.2 Objective	7
3.3 Test Methodology	7
3.4 Declarations	7
4. Test Facility And Test Instrument Used	8
4.1 Test Facility	8
4.2 Test Instrument Used	8
4.3 Support Equipment	8
5. Applicable Standards	9
5.1 DFS Requirement	9
5.2 DFS Measurement System	11
5.3 Test Procedure	13
5.4 Test Results	13
6. Monitoring of operating channel	20
6.1 Test Procedure	20
6.2 Limit	20
6.3 Test Results	20
7. Non-Occupancy Period	22
7.1 Test Procedure	22
7.2 Test Result	22
8. EUT Photographs	23
9. EUT Test Setup Photographs	24

(Note: N/A Means Not Applicable)

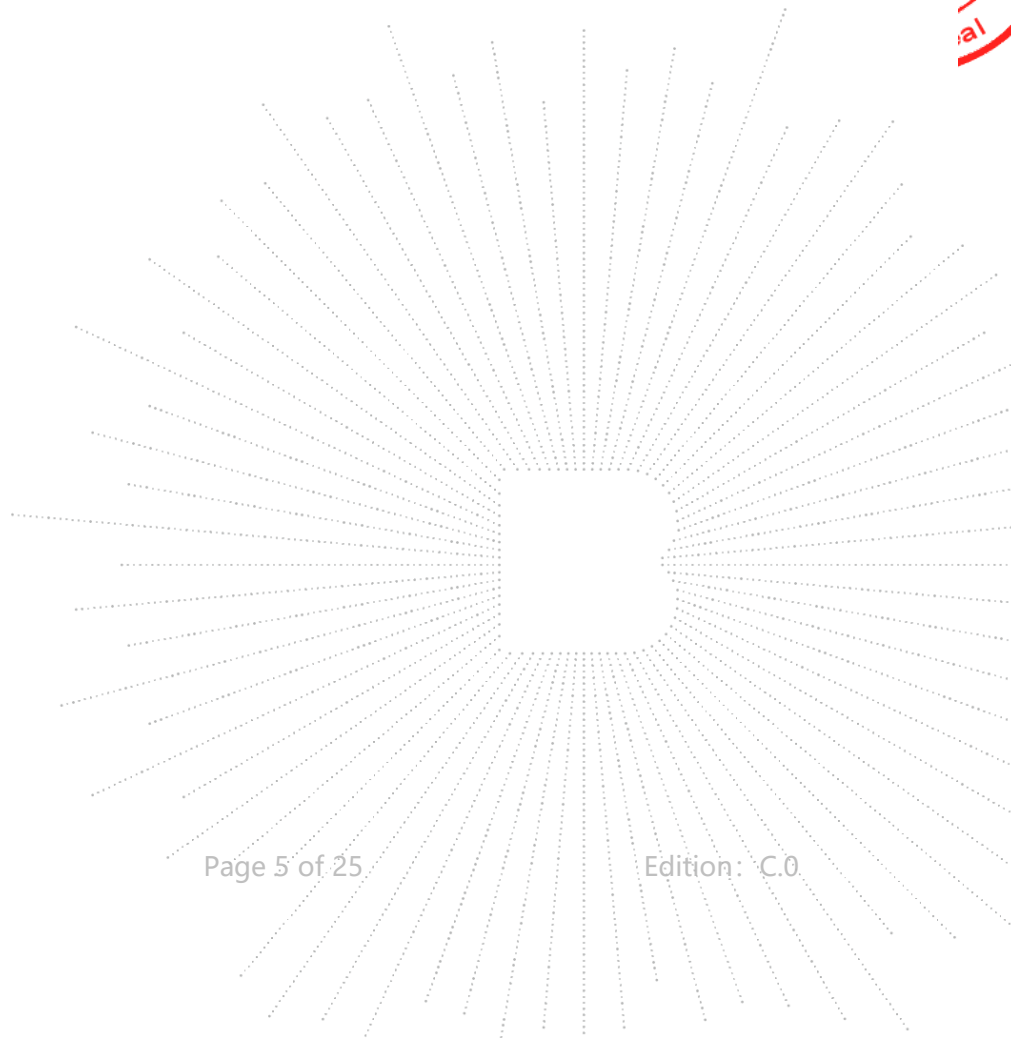
1. Version

Report No.	Issue Date	Description	Approved
BCTC2605360215-6E	2026-06-11	Original	Valid

2. Test Summary

The following result table represents the list of measurements required under the Japan MIC Article2, Paragraph 1, item 19-3.

Items	Description of Test	Result
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Not Applicable
	Radar Burst at the Beginning of the CAC	Not Applicable
	Radar Burst at the End of the CAC	Not Applicable
In-Service Monitoring	Channel Move Time	Compliance
	Channel Closing Transmission Time	Compliance
	Non-Occupancy Period	Compliance
Radar Detection	Statistical Performance Check	Not Applicable
Note: EUT is client device without radar detection.		



3. Product Information And Test Setup

3.1 Product Information

Model/Type reference:	F3P20-N100GR
Model differences:	N/A
Hardware Version:	N/A
Software Version:	N/A
Support Mode:	☐ Master ☒ Slave
Operation Frequency:	W56: 5470-5725 MHz
Channel Separation:	802.11a: 20MHz 802.11n: 20MHz/40MHz 802.11ac: 20MHz/40MHz/80MHz
Type of Modulation:	OFDM/OFDMA
Antenna installation:	Internal antenna
	A: Antenna Gain: 2.78 dBi B: Antenna Gain: 2.27 dBi
Antenna Gain:	Remark: ☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. Antenna gain information is provided by the client and the laboratory is not responsible for its authenticity. ☐ The antenna gain of the product is provided by the customer, and the test data is affected by the customer information. Antenna gain information is provided by the client and the laboratory is not responsible for its authenticity.
Ratings:	Input: DC 12V(3A) from adapter Input AC 100V/60Hz DC 7.6V from battery
Adapter:	Model:JHD-AP040U-120300BA-A Input:100-240V-50/60Hz 1.5A Output:12V-3000mA

3.2 Objective

The objective of the manufacturer is to demonstrate compliance with Radio Law of Japan item 19-3 of Article 2 Paragraph 1, low-power data communications system in the 5GHz Band.
The objective is to determine compliance with Japan rules for DFS requirements.

3.3 Test Methodology

All measurements contained in this report were conducted with technical regulations of the Radio Law of Japan.

3.4 Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “△”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

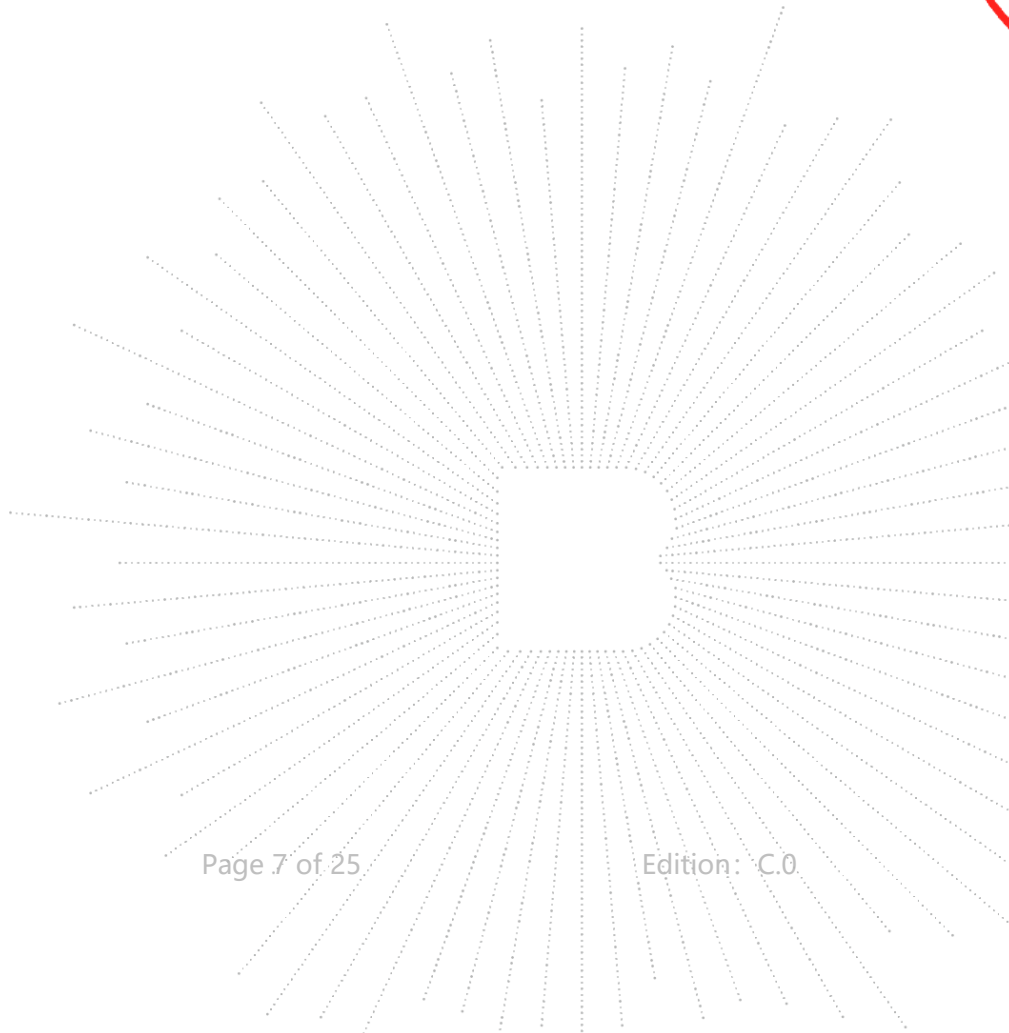
The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

SHENZHEN



4. Test Facility And Test Instrument Used

4.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Technology Co., Ltd., Address:101M., Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong, P. R.China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

4.2 Test Instrument Used

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Spectrum Analyzer	Keysight	N9020A	MY51287403	Aug.30, 2025	Aug.29, 2026
Signal Generator	Keysight	N5182A	MY50144088	Aug.30, 2025	Aug.29, 2026
Power Metter	MWRFTest	MW100-RFC B	\	Aug.30, 2025	Aug.29, 2026
Radio frequency control box	MWRFTest	MW100-RFC B	\	\	\
Software	Frad	EZ-EMC	FA-03A2 RE	\	\
Software	Keysight	Keysight.ETS LTest system	1.02.05	\	\
D.C. Power Supply	LongWei	D-41747 Viersen	6230316	Aug.30, 2025	Aug.29, 2026
Communication test set	R&S	CMW500	157483	Aug.30, 2025	Aug.29, 2026
Programmable constant temperature and humidity test chamber	Auchno	OJN-9606-40 8L	19120183	Jul.9, 2025	Jul.8, 2026
Hygrothermograph	Thermo	HTC-1	\	Sep.4, 2024	Aug.31, 2026

Calibration laboratory: CCIC(Shenzhen) Co., Ltd

Calibration Information (Article 24-2, Paragraph 4 of the Radio Act)	
☐	(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act
☐	(b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act
☒	(c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act
☐	(d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above

4.3 Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Windows tablet	N/A	F3P20-N100GR	N/A	EUT
E-2	Router	ASUS	RT-AX82U	N/A	Auxiliary

5. Applicable Standards

5.1 DFS Requirement

Japan MIC Article 2, Paragraph 1, item 19-3.

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
Uniform Spreading	Yes	Not Required	Not Required

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client (Without DFS)	Client (With DFS)
DFS Detection Threshold	Yes	Not Required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes

Table 3: DFS Response requirement values

Parameter	Value
Non-Occupancy Period (NOP)	≥ 30 minutes
Channel Availability Check Time (CAC)	≥ 60 seconds
Channel Move Time (CMT)	≤ 10 seconds
Channel Closing Transmission Time (CCTT)	≤ 260 milliseconds

Table 4: Parameters of DFS Test Signals for 5250-5350 MHz

Annex 1-a (Radar classification & detection probability) : 5250~5350MHz

The radio wave which a radar transmits						Detection probability
Classification	Pulse width		Repetition frequency		Minimum number of consecutive pulses	
	minimum value	maximum value	minimum value	maximum value		
1	0.5 μ s	5 μ s	200 Hz	1000 Hz	10	60% or more
2	0.5 μ s	15 μ s	200 Hz	1600 Hz	15	60% or more
3	0.5 μ s	5 μ s	200 Hz	1000 Hz	"Repetition frequency x 0.026" (Round up to less than 1), or "22", whichever is larger, or "30", whichever is smaller	60% or more
4	0.5 μ s	15 μ s	200 Hz	1600 Hz	"Repetition frequency x 0.026" (Round up to less than 1), or "22", whichever is larger, or "30", whichever is smaller	60% or more
5	0.5 μ s	1.5 μ s	1114 Hz	1118 Hz	30	60% or more
6	0.5 μ s	1.5 μ s	928 Hz	932 Hz	25	60% or more
7	0.5 μ s	1.5 μ s	886 Hz	890 Hz	24	60% or more
8	0.5 μ s	1.5 μ s	738 Hz	742 Hz	20	60% or more

Table 5: Parameters of DFS Test Signals for 5470-5730 MHz

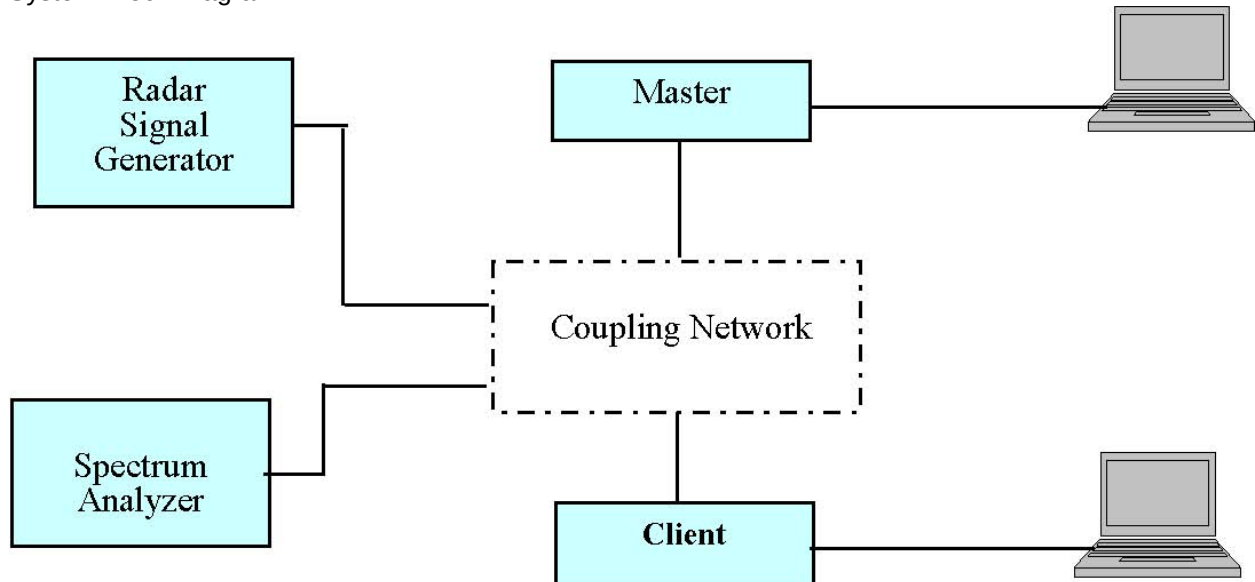
Annex 1-b (Radar classification & detection probability) : 5470~5730MHz

Classification	The radio wave which a radar transmits *Un-modulated pulse			Detection probability
	Pulse width	Repetition frequency	The number of continuous pulses	
1	0.5 μ s	720 Hz	18	60% or more
2	1 μ s	700 Hz	18	60% or more
3	2.0 μ s	250 Hz	18	60% or more
4	1 μ s $\leq$ X $\leq$ 5 μ s ("1 μ s"or"width which added the integral multiple of 1 μ s to 1 μ s")	4,347Hz $\leq$ X $\leq$ 6,667Hz (arbitrary frequency of 1)	23 $\leq$ X $\leq$ 29 (arbitrary integer of 1)	60% or more
5	6 μ s $\leq$ X $\leq$ 10 μ s ("6 μ s"or"width which added the integral multiple of 1 μ s to 6 μ s")	2,000Hz $\leq$ X $\leq$ 5,000Hz (arbitrary frequency of 1)	16 $\leq$ X $\leq$ 18 (arbitrary integer of 1)	60% or more
6	11 μ s $\leq$ X $\leq$ 20 μ s ("11 μ s"or"width which added the integral multiple of 1 μ s to 11 μ s")	2,000Hz $\leq$ X $\leq$ 5,000Hz (arbitrary frequency of 1)	12 $\leq$ X $\leq$ 16 (arbitrary integer of 1)	60% or more

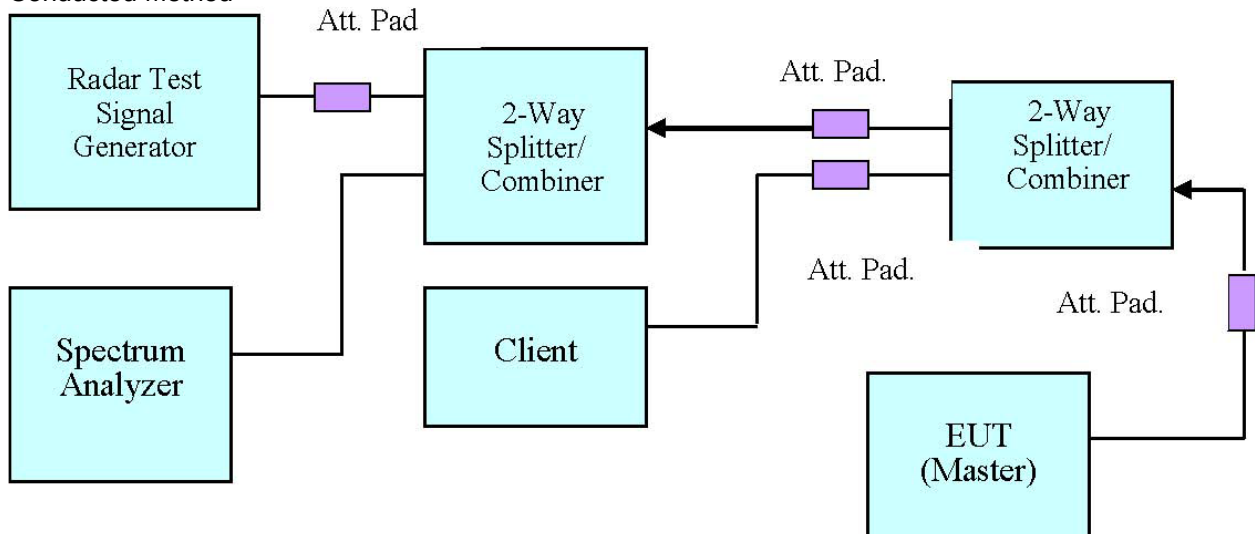
5.2 DFS Measurement System

BACL DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

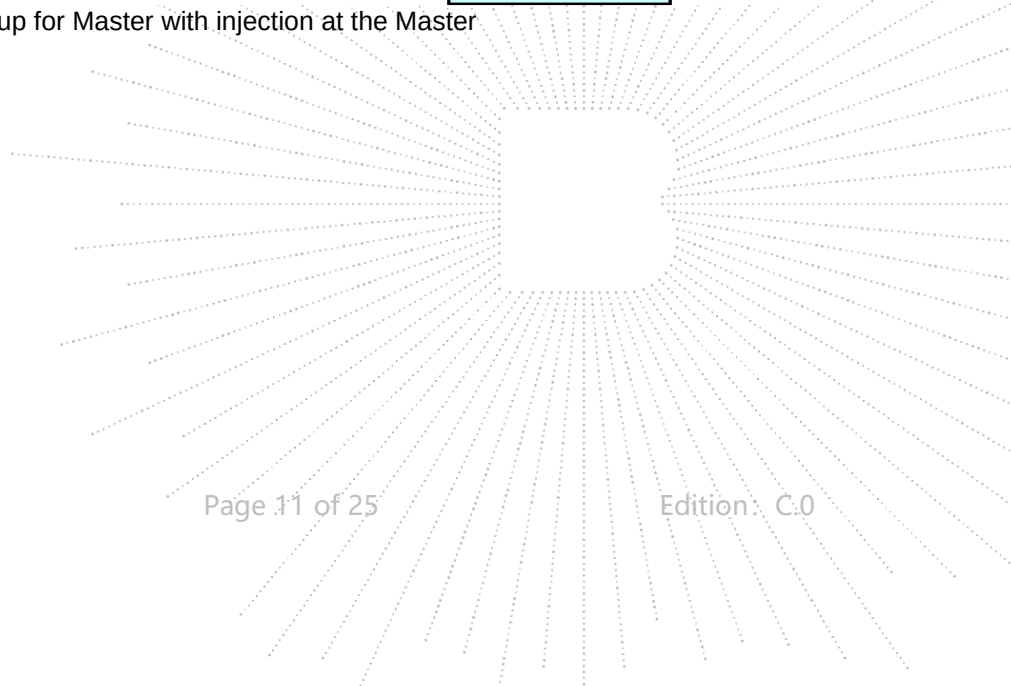
System Block Diagram

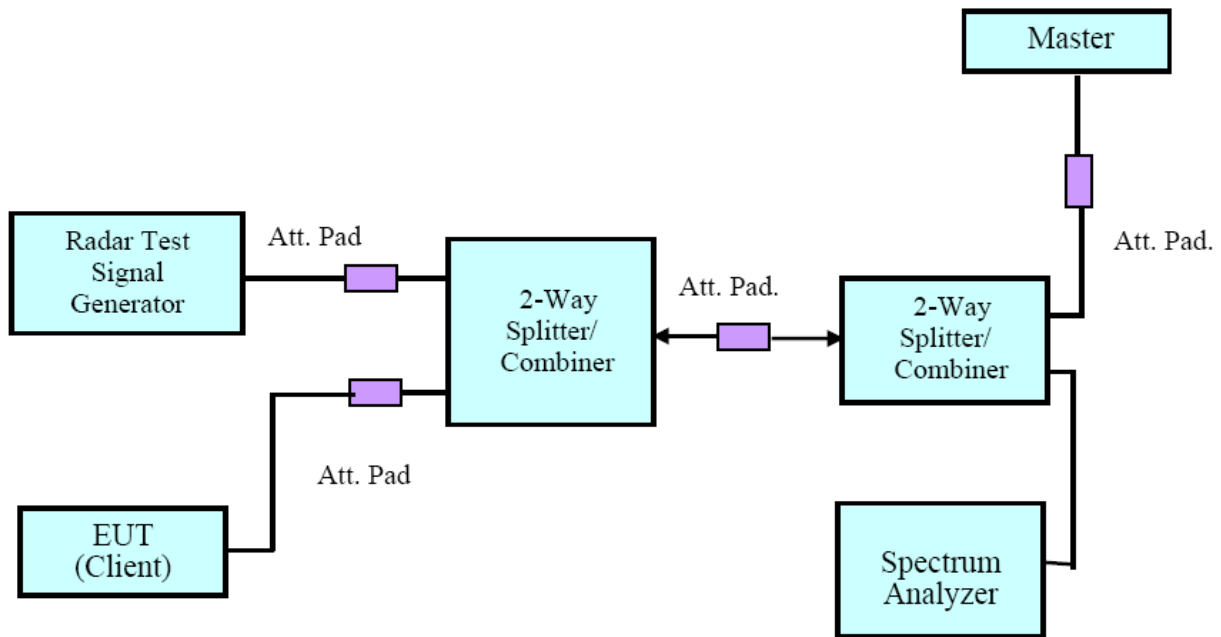


Conducted Method

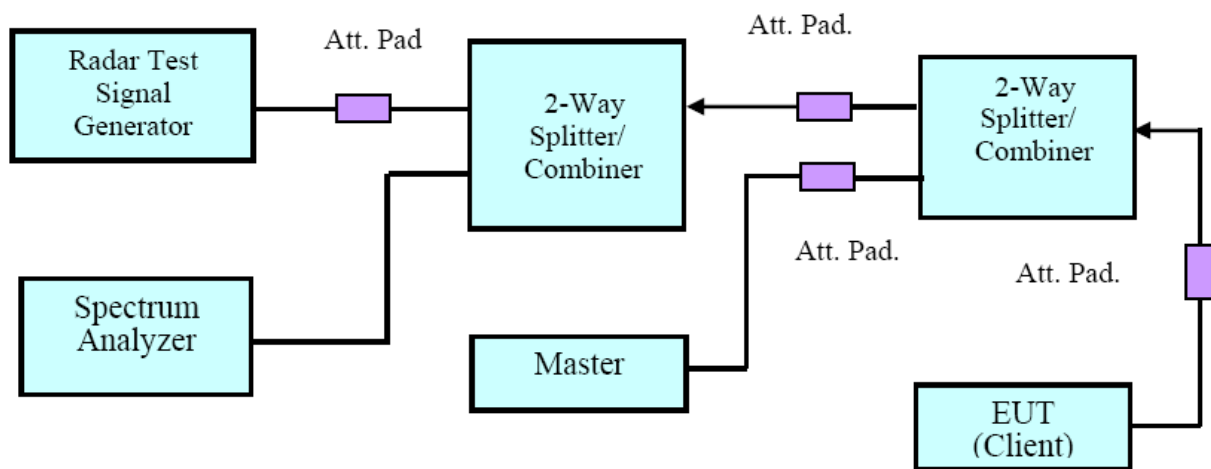


Setup for Master with injection at the Master



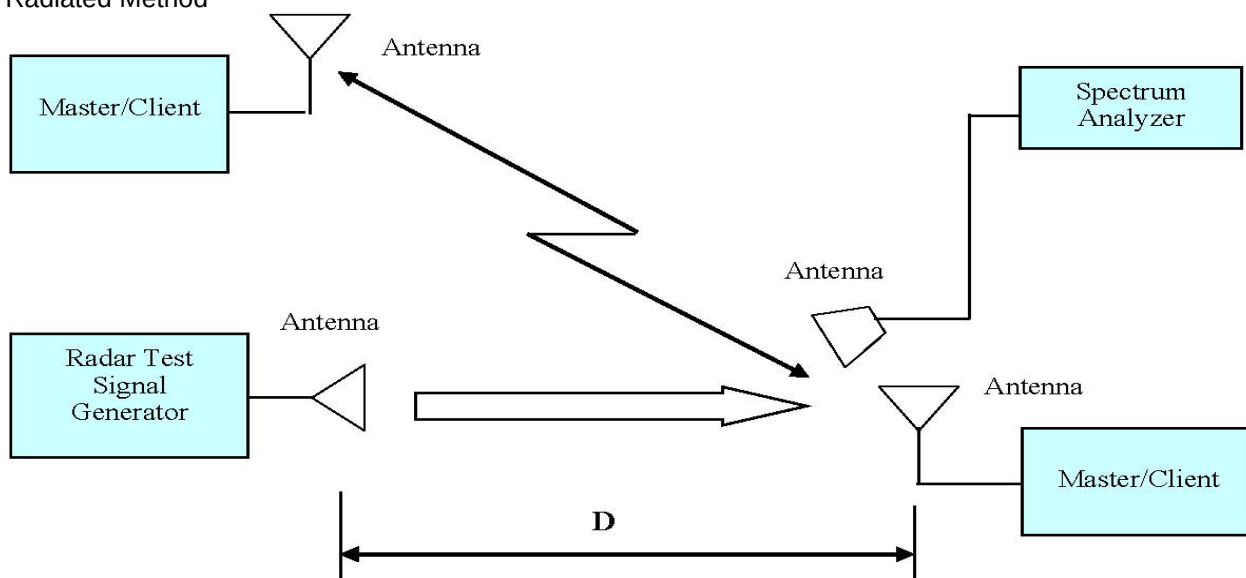


Setup for Client with injection at the Master



Setup for Client with injection at the Client

Radiated Method



5.3 Test Procedure

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

5.4 Test Results

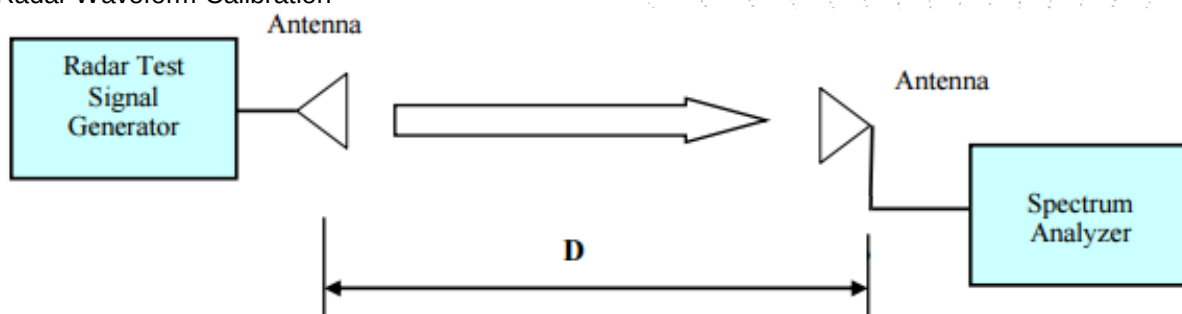
Description of EUT

The EUT operates in 5250-5350MHz and 5470-5730MHz range.

The calibrated radiated DFS detection threshold level is set to -64 dBm.

WLAN traffic is generated by software "Tfgen", software is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. Datapackage streamed from the Access Point to the Client using the software "Tfgen".

Radar Waveform Calibration

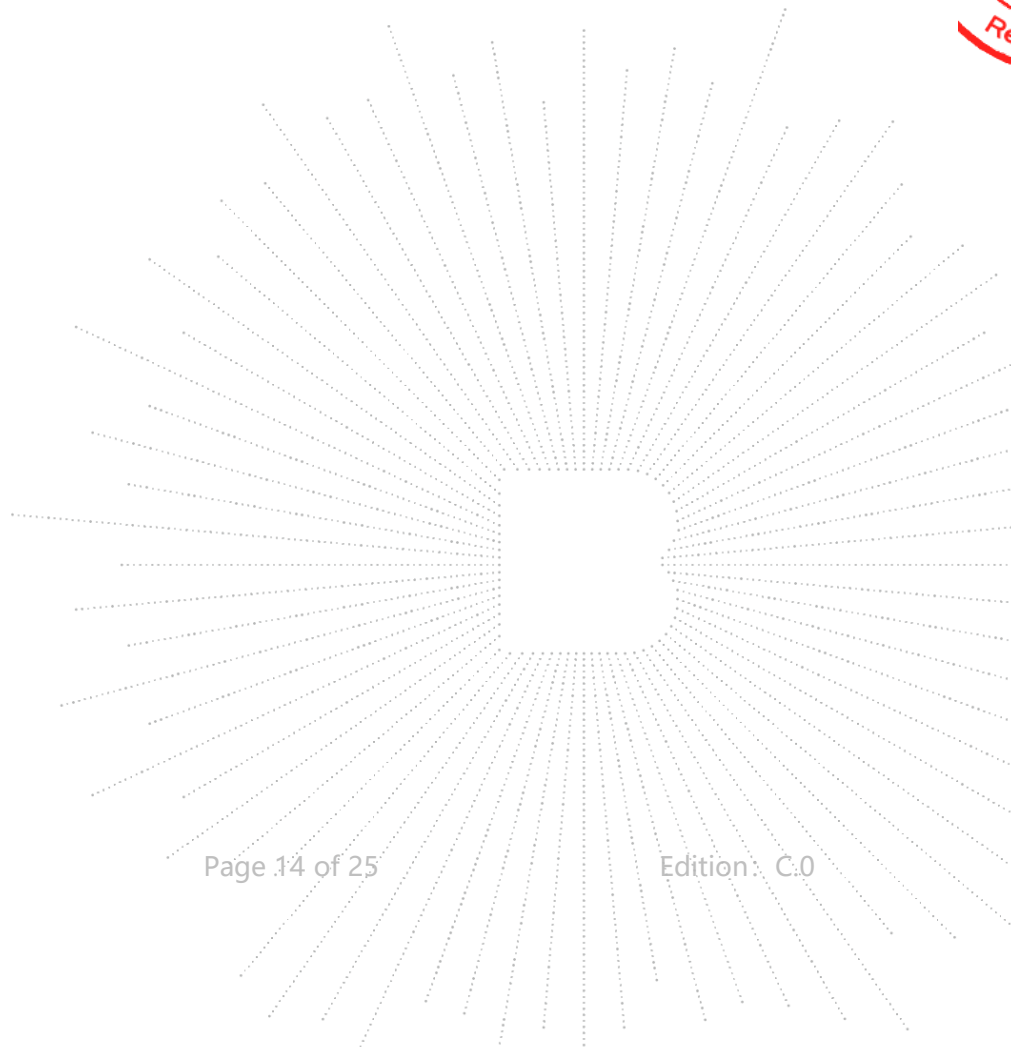


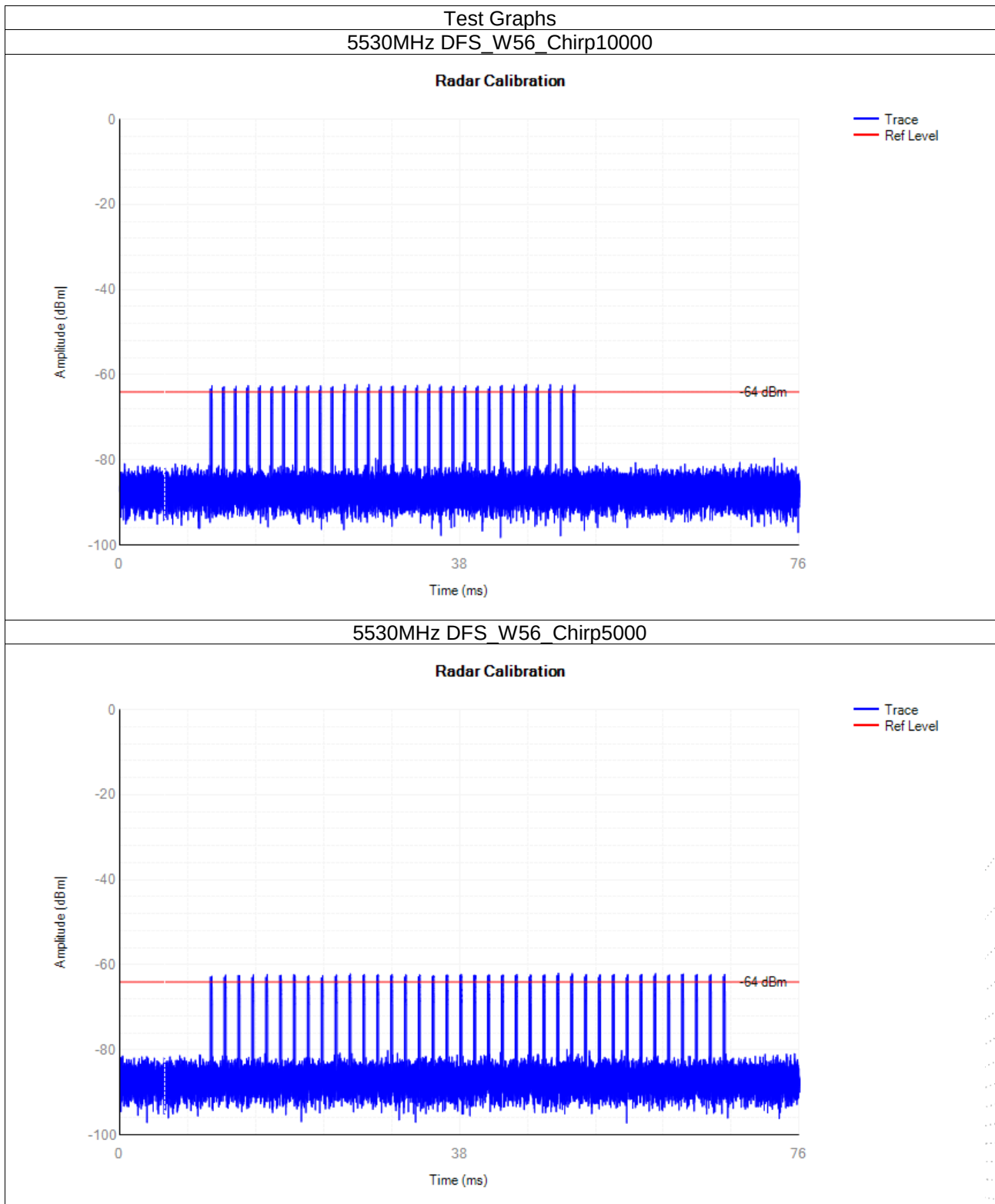
Radiated Calibration Setup Block Diagram

Note: The test data shows only the worst mode and maximum bandwidth.

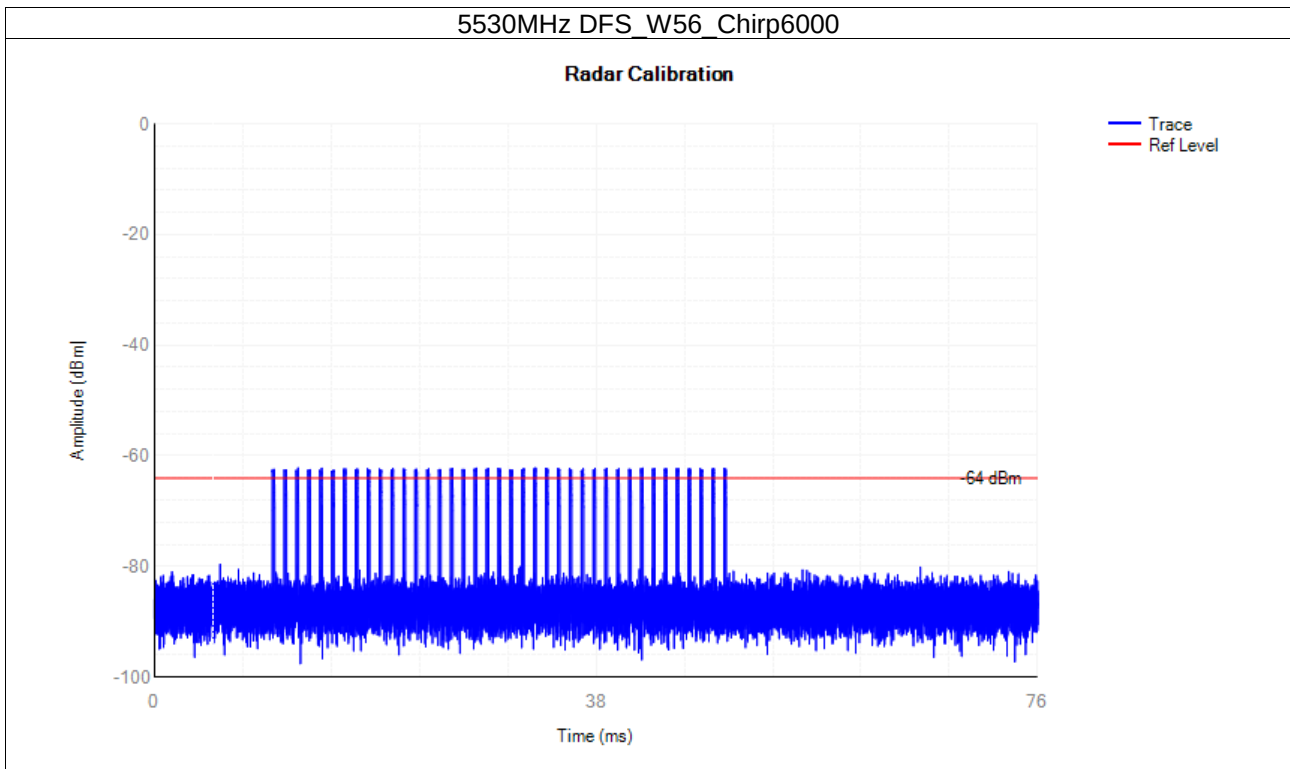
Plots of Radar Waveforms

Mode	Frequency (MHz)	Type	Result	Verdict
ac80	5530	DFS_W56_Chirp10000	See test Graph	Pass
		DFS_W56_Chirp5000		Pass
		DFS_W56_Chirp6000		Pass
		DFS_W56_Chirp7000		Pass
		DFS_W56_Chirp8000		Pass
		DFS_W56_Chirp9000		Pass
		DFS_W56_FP1		Pass
		DFS_W56_FP2		Pass
		DFS_W56_VP3000		Pass
		DFS_W56_VP4000		Pass

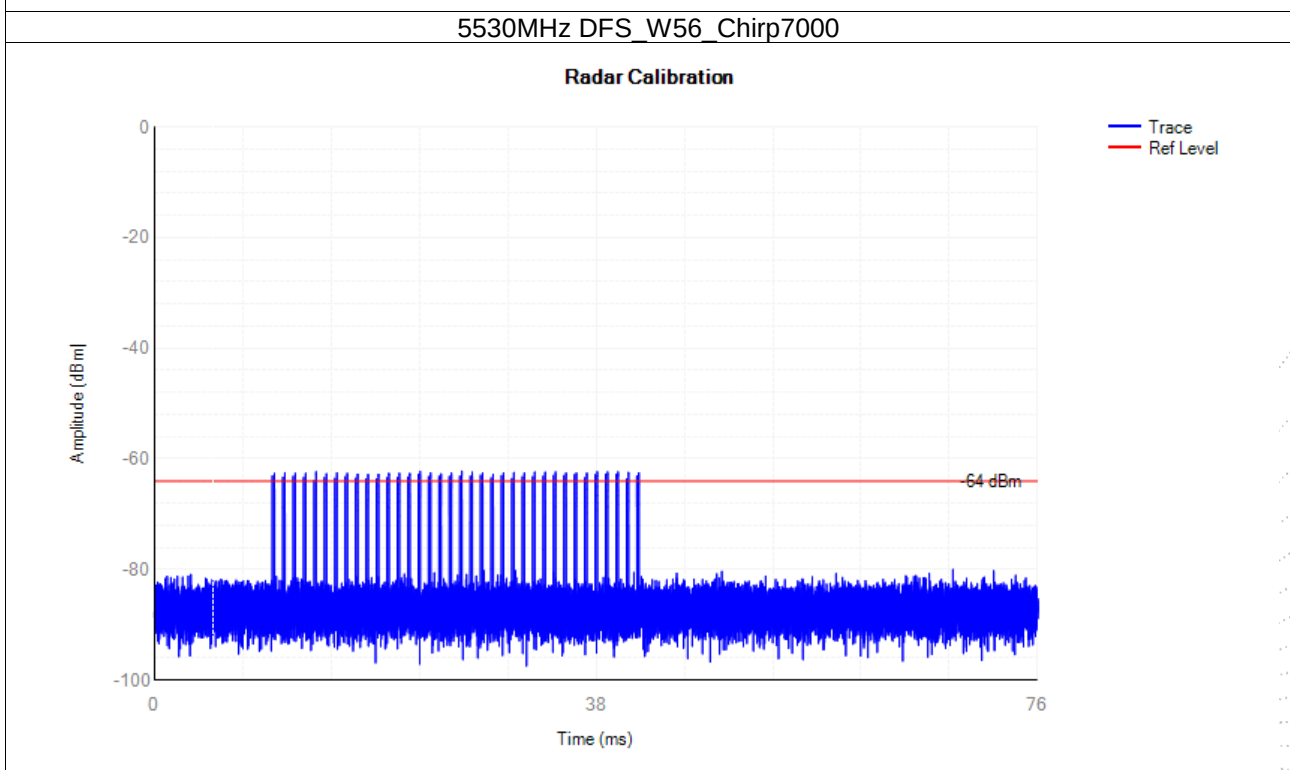




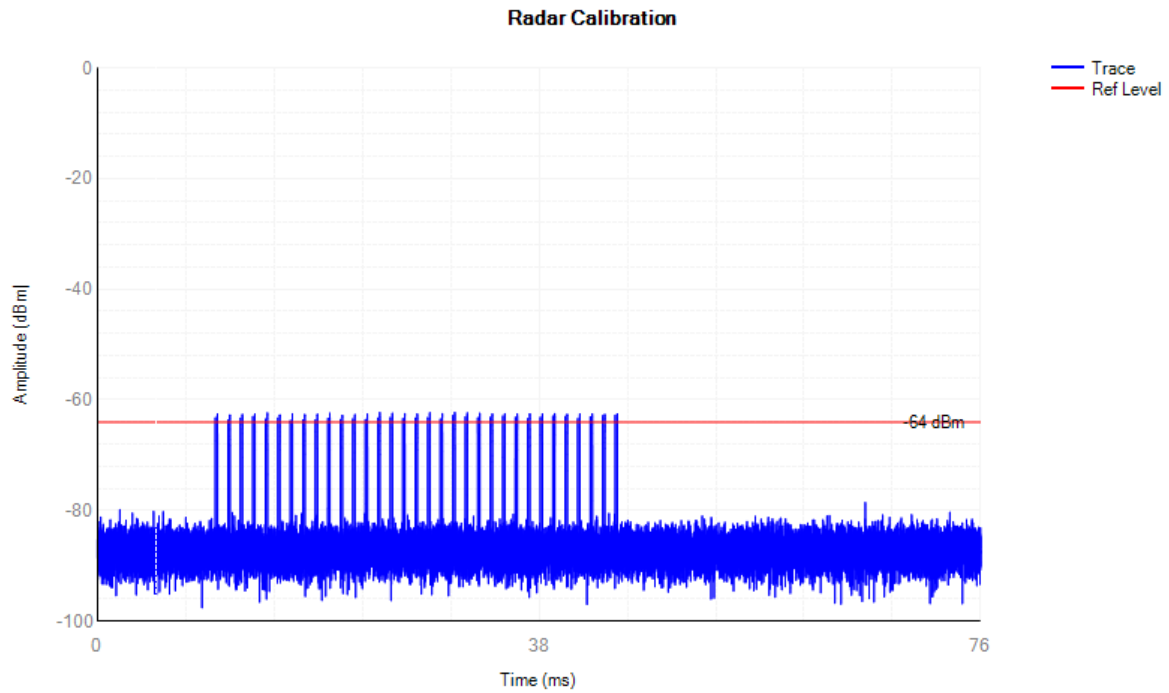
5530MHz DFS_W56_Chirp6000



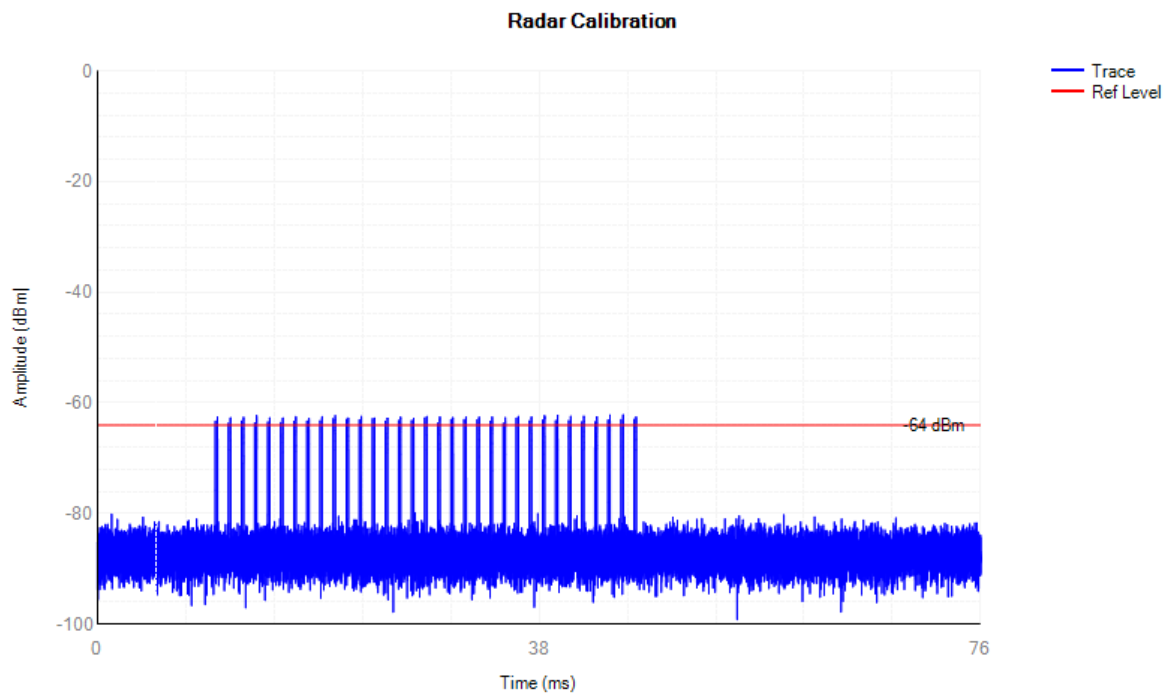
5530MHz DFS_W56_Chirp7000

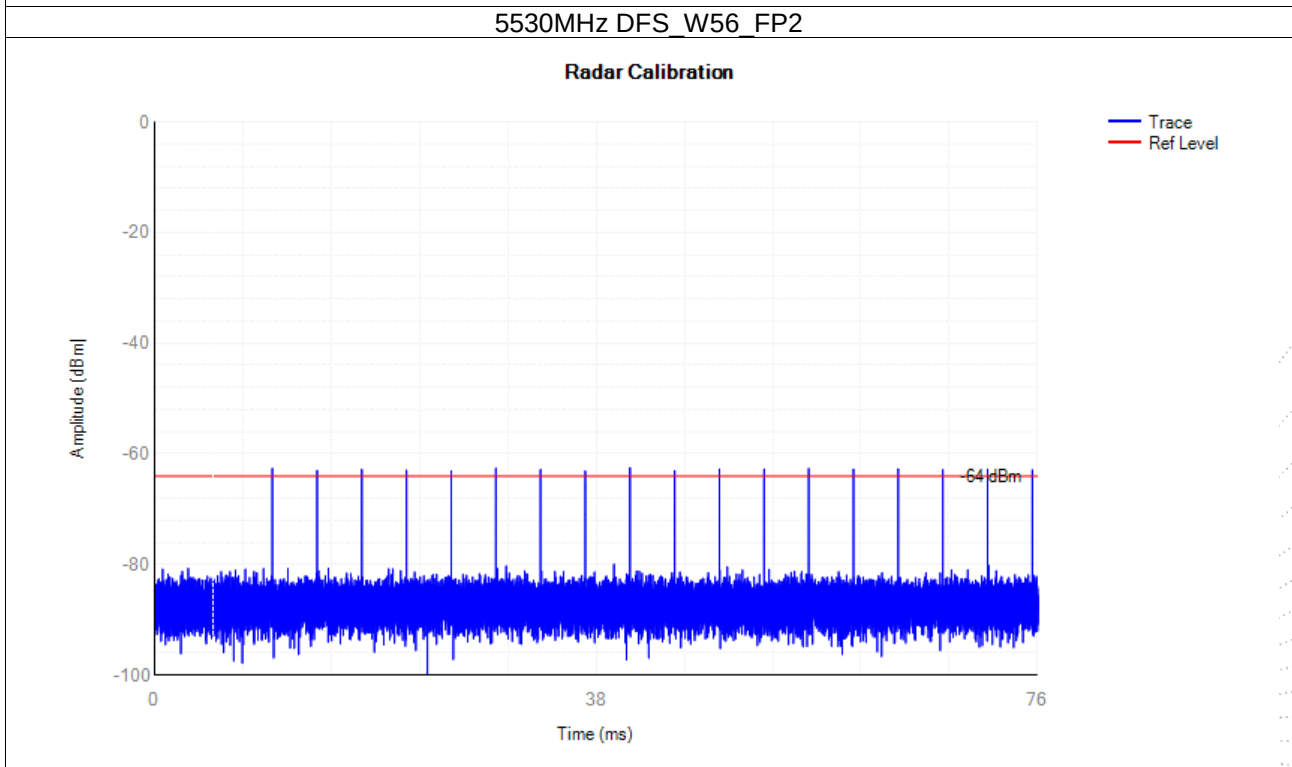
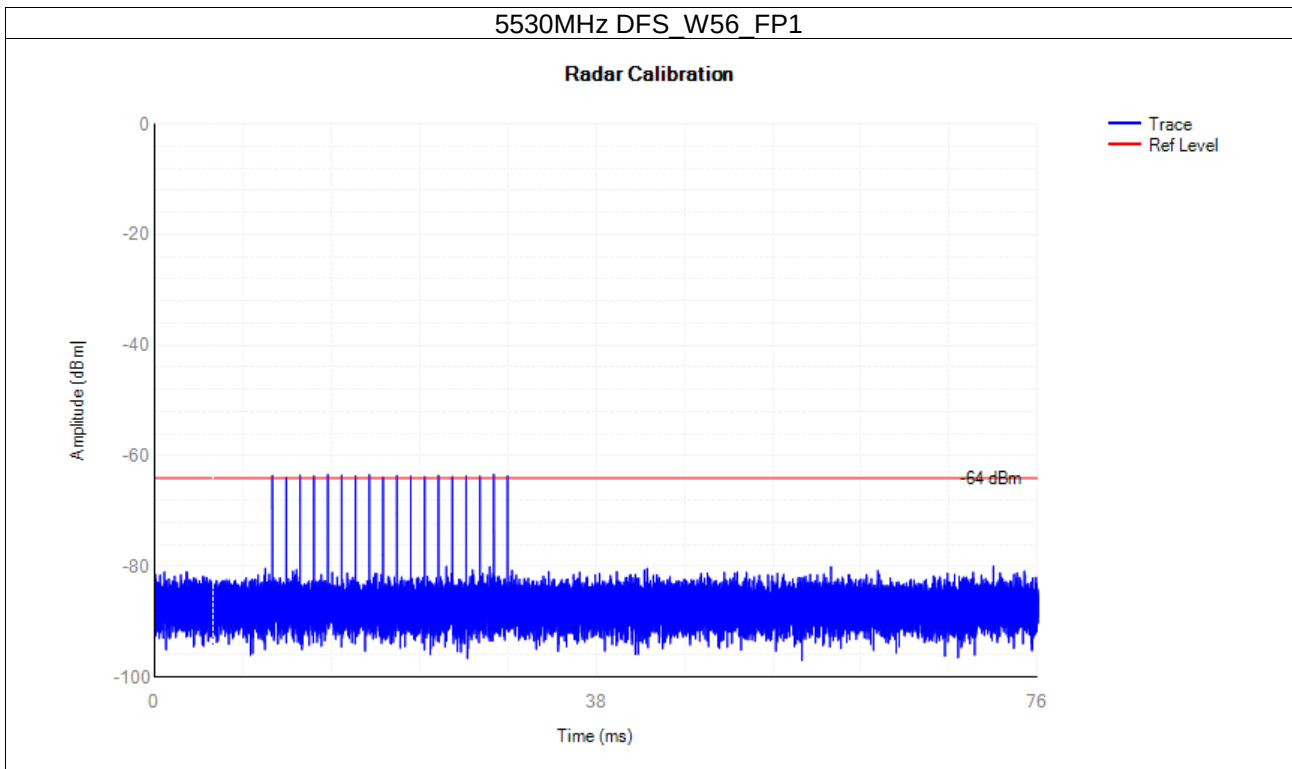


5530MHz DFS_W56_Chirp8000

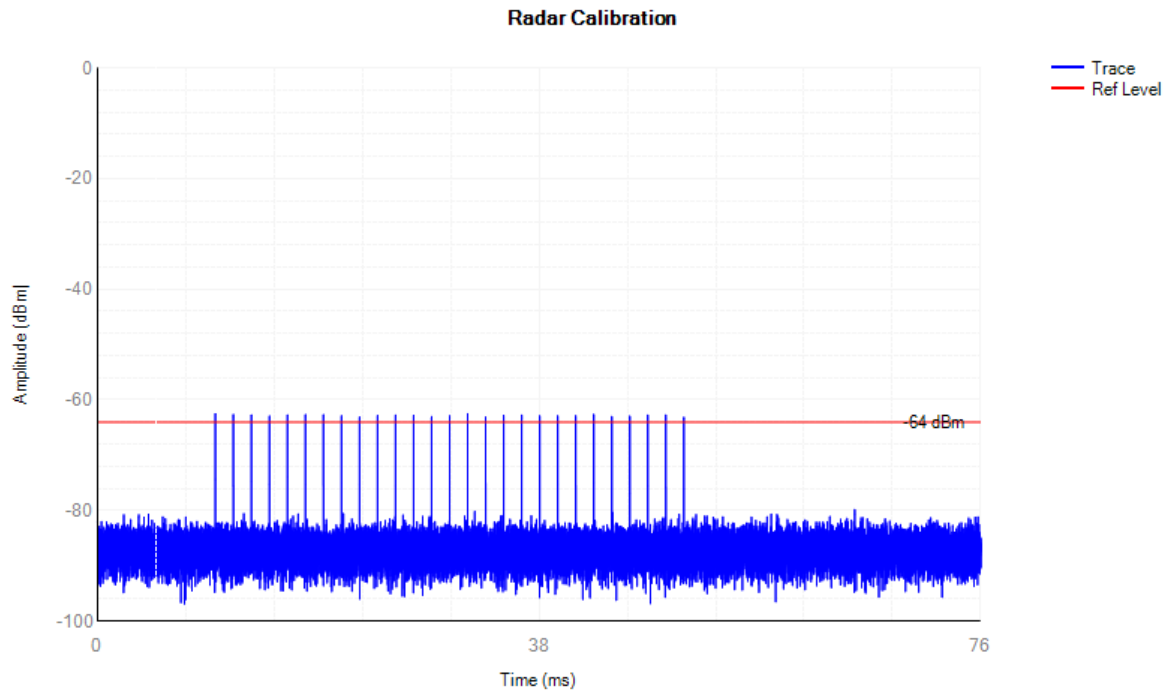


5530MHz DFS_W56_Chirp9000

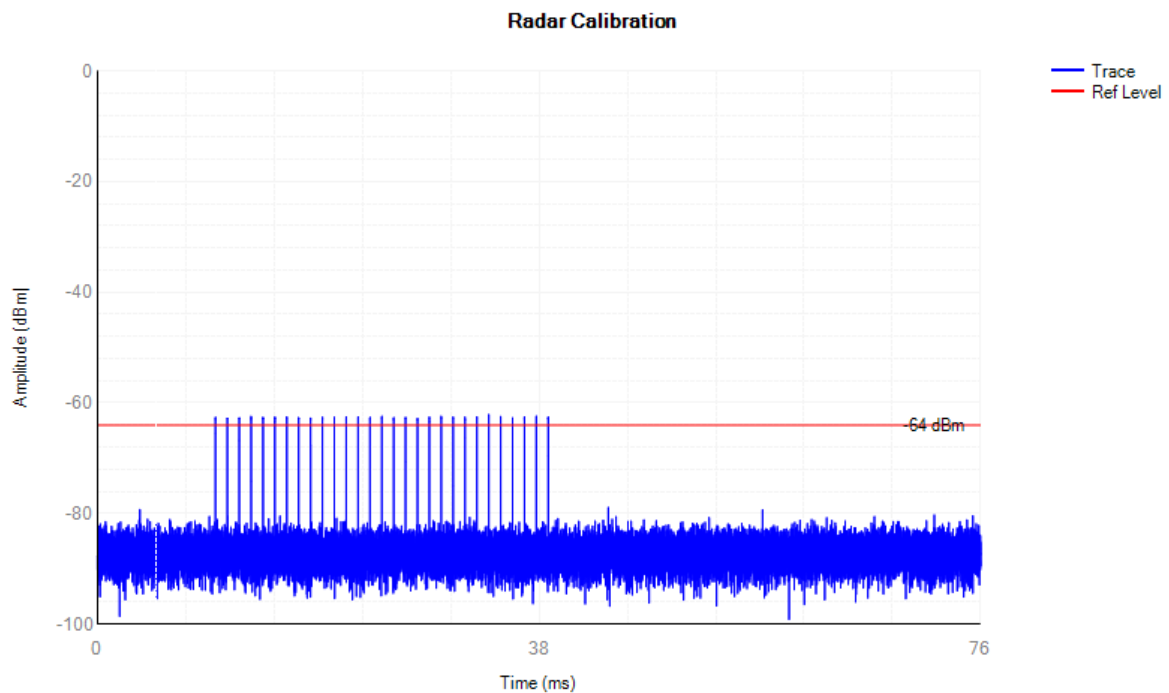




5530MHz DFS_W56_VP3000



5530MHz DFS_W56_VP4000



6. Monitoring of operating channel

6.1 Test Procedure

1. Configure the signal generator

Output frequency: Center of test frequency Modulation: Pulse modulation, as defined in the clause 6.2.1
Output level: Use the average output levels defined in clause 6.1.2

2. Initialize the EUT to select In-Service Monitoring mode, establish a communications link between the EUT and the Link Partner. 3. Set the EUT transmitter to the throughput 4. Set the signal generator output ON to provide the EUT with the test signal choose 5. Check whether the EUT detects the test signal using the spectrum analyzer, then record the result.

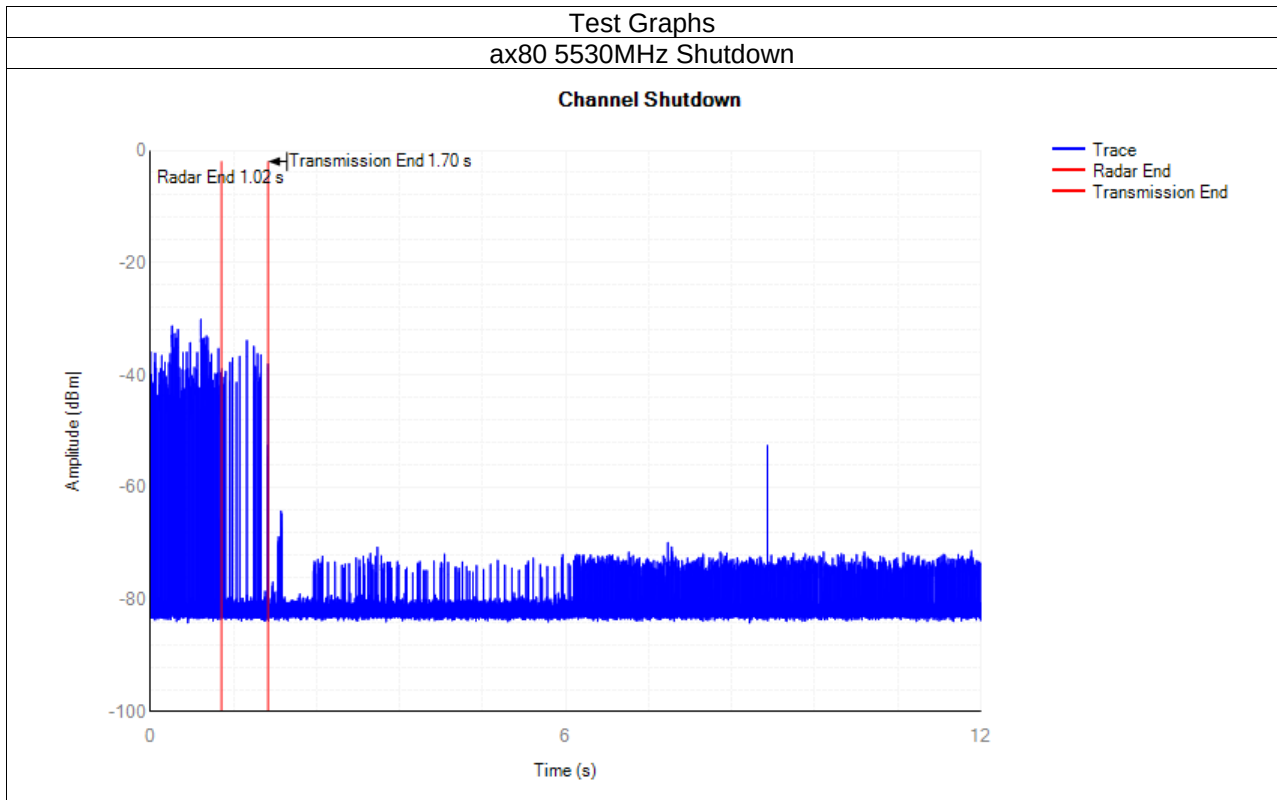
6.2 Limit

Monitoring of operating channel Limit	
Channel Move Time	10 sec
Channel Closing Transmission Time	260 ms

6.3 Test Results

Note : The test data shows only the worst mode and maximum bandwidth.

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Verdict
ax80	5530	0.673	10	0.0192	0.26	Pass



7. Non-Occupancy Period

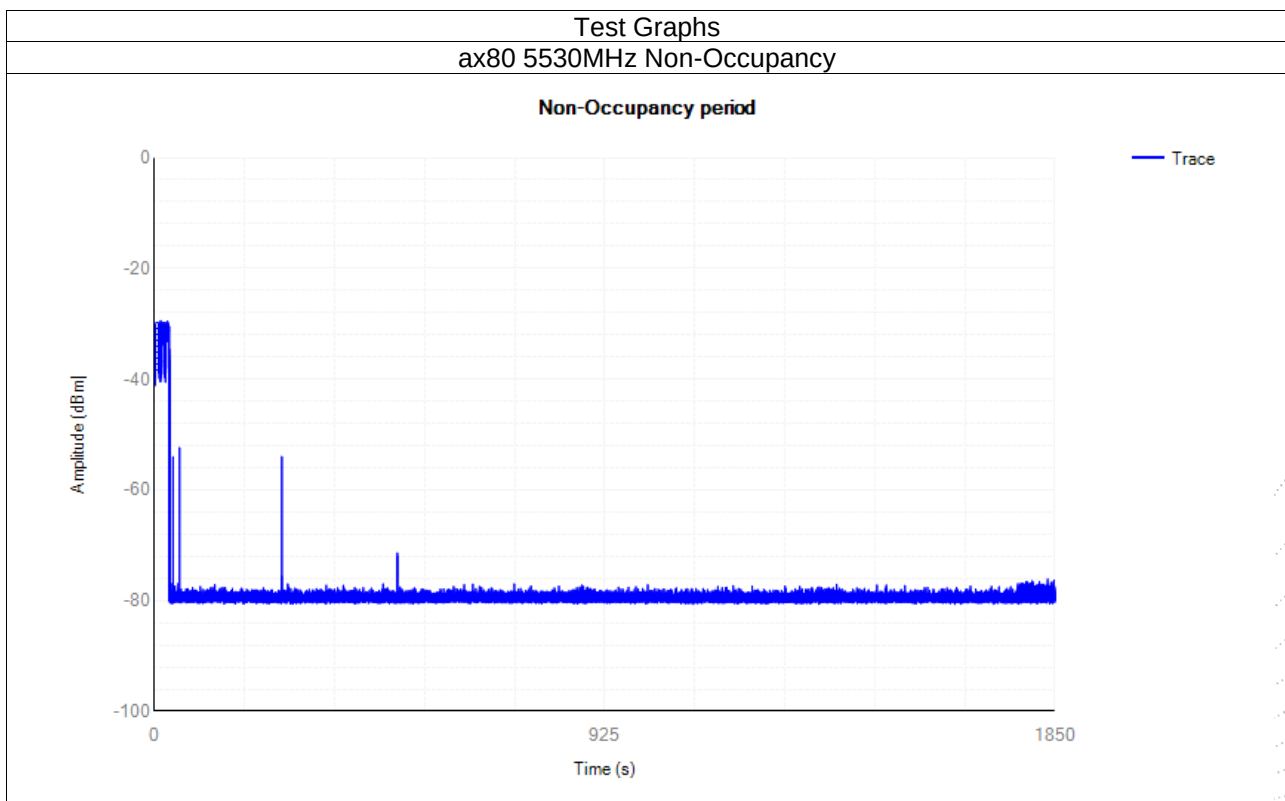
7.1 Test Procedure

Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

7.2 Test Result

Note: The test data shows only the worst mode and maximum bandwidth.

Non-Occupancy Period Result				
Modulation Mode	Freq. (MHz)	Non-Occupancy Period		
		Measured	Limit	Verdict
ax	5530	>30min	30min	PASS
1850 sec Timing Plot				



8. EUT Photographs

EUT Photo 1



EUT Photo 2



NOTE: Appendix-Photographs Of EUT Constructional Details.

9. EUT Test Setup Photographs

DFS



STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

101M., Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong, P. R.China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: <http://www.chnbctc.com>

Consultation E-mail: bctc@bctc-lab.com.cn

Complaint/Advice E-mail: advice@bctc-lab.com.cn

***** END *****