



MIC DFS Test Report

Report No. : TBR-C-202506-0272-24
Applicant : Trimble Inc.
Equipment Under Test (EUT)
EUT Name : HCB2
Model No. : 73355046
Series Model No. : N/A
Brand Name : Trimble
Receipt Date : 2025-07-23
Test Date : 2025-07-23 to 2026-03-18
Issue Date : 2026-03-18
Rule Part(s) : MIC Notice No.88 Annex 45
Test Standards : Article 2 paragraph 1 item 19-3
Conclusions : **PASS**

In the configuration tested, the EUT complied with the standards specified above.

Test By :

Gold. Zhang

Reviewed By :

Henry Huang

Approved By :

Ivan Su



Ivan Su

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202506-0272-24	Rev.01	Initial issue of report	2026-03-18



1. General Information about EUT

1.1. Client Information

Applicant	:	Trimble Inc.
Address	:	5475 Kellenburger Rd, Dayton, OH 45424 United States
Manufacturer	:	Trimble Inc.
Address	:	5475 Kellenburger Rd, Dayton, OH 45424 United States

1.2. General Description of EUT (Equipment Under Test)

EUT Name	:	HCB2
Models No.	:	73355046
Model Difference	:	N/A
Operating Frequency Band	:	☐ W53: 5250-5350MHz ☒ W56: 5500-5720MHz
TPC	:	☐ No ☒ Yes
Power Rating	:	DC 5V
Software Version	:	13.35.369
Hardware Version	:	Rev.E
Remark	:	This device was functioned as a ☒ Master ☐ Slave device with radar detection ☐ Slave device without radar detection

Note:

- (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (2) Antenna information provided by the applicant.

Antenna	Model Name	Type	Antenna Gain (dBi)
ANT. 1	N/A	FPC	U-NII-2C: 5.5
ANT. 2	N/A	FPC	U-NII-2C: 5.5
ANT. 1	N/A	Dipole	U-NII-2C: 5.0
ANT. 2	N/A	Dipole	U-NII-2C: 5.0

Note: Report on two types of antennas: FPC Antenna (2.4G Ant1 4.0dBi, 2.4G Ant2 4.0dBi, 5G Ant1 5.5dBi, 5G Ant2 5.5dBi) and Dipole Antenna (2.4G Ant1 3.0dBi, 2.4G Ant2 3.0dBi, 5G Ant1 5.0dBi, 5G Ant2 5.0dBi). Both types of antennas have been evaluated, and only the data of the worst antenna (FPC Antenna 5.5dBi) is presented.



(3) Conducted Output Power&E.I.R.P

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Gain[dBi]	EIRP[dBm]	EIRP[mW]
11A	Ant1	5500	14.43	5.50	19.93	98.40
11A	Ant2	5500	14.98	5.50	20.48	111.69
11A	Ant1	5600	14.74	5.50	20.24	105.68
11A	Ant2	5600	15.04	5.50	20.54	113.24
11A	Ant1	5720	14.72	5.50	20.22	105.20
11A	Ant2	5720	13.93	5.50	19.43	87.70
11N20MIMO	Ant1	5500	15.64	5.50	21.14	130.02
11N20MIMO	Ant2	5500	15.19	5.50	20.69	117.22
11N20MIMO	total	5500	18.43	---	23.93	247.17
11N20MIMO	Ant1	5600	14.71	5.50	20.21	104.95
11N20MIMO	Ant2	5600	15.22	5.50	20.72	118.03
11N20MIMO	total	5600	17.98	---	23.48	222.84
11N20MIMO	Ant1	5720	16.01	5.50	21.51	141.58
11N20MIMO	Ant2	5720	13.98	5.50	19.48	88.72
11N20MIMO	total	5720	18.12	---	23.62	230.14
11N40MIMO	Ant1	5510	9.91	5.50	15.41	34.75
11N40MIMO	Ant2	5510	9.96	5.50	15.46	35.16
11N40MIMO	total	5510	12.95	---	18.45	69.98
11N40MIMO	Ant1	5630	10.73	5.50	16.23	41.98
11N40MIMO	Ant2	5630	10.49	5.50	15.99	39.72
11N40MIMO	total	5630	13.62	---	19.12	81.66
11N40MIMO	Ant1	5710	10.28	5.50	15.78	37.84
11N40MIMO	Ant2	5710	9.60	5.50	15.10	32.36
11N40MIMO	total	5710	12.96	---	18.46	70.15
11AC20MIMO	Ant1	5500	15.81	5.50	21.31	135.21
11AC20MIMO	Ant2	5500	15.14	5.50	20.64	115.88
11AC20MIMO	total	5500	18.50	---	24.00	251.19
11AC20MIMO	Ant1	5600	14.54	5.50	20.04	100.93
11AC20MIMO	Ant2	5600	15.06	5.50	20.56	113.76
11AC20MIMO	total	5600	17.82	---	23.32	214.78
11AC20MIMO	Ant1	5720	12.20	5.50	17.70	58.88
11AC20MIMO	Ant2	5720	10.48	5.50	15.98	39.63
11AC20MIMO	total	5720	14.43	---	19.93	98.40
11AC40MIMO	Ant1	5510	15.49	5.50	20.99	125.60
11AC40MIMO	Ant2	5510	15.57	5.50	21.07	127.94
11AC40MIMO	total	5510	18.54	---	24.04	253.51
11AC40MIMO	Ant1	5630	15.25	5.50	20.75	118.85
11AC40MIMO	Ant2	5630	14.75	5.50	20.25	105.93
11AC40MIMO	total	5630	18.02	---	23.52	224.91
11AC40MIMO	Ant1	5710	15.97	5.50	21.47	140.28
11AC40MIMO	Ant2	5710	14.36	5.50	19.86	96.83
11AC40MIMO	total	5710	18.25	---	23.75	237.14
11AC80MIMO	Ant1	5530	16.48	5.50	21.98	157.76
11AC80MIMO	Ant2	5530	17.65	5.50	23.15	206.54
11AC80MIMO	total	5530	20.11	---	25.61	363.92
11AC80MIMO	Ant1	5610	16.78	5.50	22.28	169.04
11AC80MIMO	Ant2	5610	17.33	5.50	22.83	191.87
11AC80MIMO	total	5610	20.07	---	25.57	360.58
11AC80MIMO	Ant1	5690	17.22	5.50	22.72	187.07
11AC80MIMO	Ant2	5690	16.17	5.50	21.67	146.89
11AC80MIMO	total	5690	19.74	---	25.24	334.20



1.3. Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025 : 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



2. Test Software

Test Item	Test Software	Manufacturer	Version No.
RF Test System	JS1120-3	Tonscend	V3.6.21

3. Support Equipment

Equipment Information				
Name	Model	S/N	Manufacturer	Used “√”
Notebook	T430	-----	Thinkpad	√
Notebook	Inspiron 5493	-----	DELL	√
BE6500 WIFI 7	CF-983BE	-----	COMFAST	√

4. Test Equipment

Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 16, 2025	Jun. 15, 2026
Vector Signal Generator	Agilent	N5182A	MY50141294	Aug. 29, 2024	Aug. 28, 2025
Analog Signal Generator	Agilent	N5181A	MY48180463	Aug. 29, 2024	Aug. 28, 2025
Vector Signal Generator	KEYSIGHT	N5182B	MY59101429	Aug. 29, 2024	Aug. 28, 2025
Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Aug. 29, 2024	Aug. 28, 2025
Frequency Extender	KEYSIGHT	N5182BX07	MY59360126	Aug. 29, 2024	Aug. 28, 2025
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 29, 2024	Aug. 28, 2025
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A

Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 16, 2025	Jun. 15, 2026
Vector Signal Generator	Agilent	N5182A	MY50141294	Aug. 27, 2025	Aug. 26, 2026
Analog Signal Generator	Agilent	N5181A	MY48180463	Aug. 27, 2025	Aug. 26, 2026
Vector Signal Generator	KEYSIGHT	N5182B	MY59101429	Aug. 27, 2025	Aug. 26, 2026
Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Aug. 27, 2025	Aug. 26, 2026
Frequency Extender	KEYSIGHT	N5182BX07	MY59360126	Aug. 27, 2025	Aug. 26, 2026
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 27, 2025	Aug. 26, 2026
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A



5. U-NII DFS Rule Requirements

5.1. 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 the applicability of DFS requirements for each of the operational modes:

(W53) (W56): Master Station The radio station which transmits without being controlled from other radio stations, and setting the frequency of the radio wave which other radio stations use, and controls other radio stations:

(1)(CAC: Channel Availability Check) *1

Check the existence of a radar for 60 seconds in the occupied bandwidth of the frequency which will be about to transmit.

(2)(ISM: In-Service Monitoring) *1, *2

Check continuously the existence of a radar transmits in the occupied bandwidth of the frequency which are transmitting.

(3)(Radar classification & detection probability) refer to "Annex 1"

(From the supplementary provisions of the notice, it can be determined according to the old regulation until July 11, 2020)

(4) (Received power of a master station) refer to "Annex 2"

*1: When a (3) radar was detected, shall not transmit the electric wave of the frequency from which the electric wave was detected for 30 minutes after detecting.

*2: When a (3) radar was detected, It must be stopped dependent slave equipment and the radio equipment transmits within 10 seconds.

(In this case, the sum total of the transmitting time of all the radio equipment shall be 260 milliseconds or less.)

DFS Response Requirement Values	
Parameter	Value
Non-occupancy period	Minimum 30 minutes (note 1)
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.
Note 1: During Channel Availability Check or In-Service Monitoring, if the Master Device detects the radar signal it shall stop transmitting on the radar signal frequency for at least 30 minutes.	

5.2. Radar Signal Parameters

DETECTION THRESHOLD VALUES

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

Maximum Transmit Power	Value
EIRP ≥ 200 milliwatt	-64 dBm + absolute gain of receiver antenna (dBi)
EIRP < 200 milliwatt	-62 dBm + absolute gain of receiver antenna (dBi)



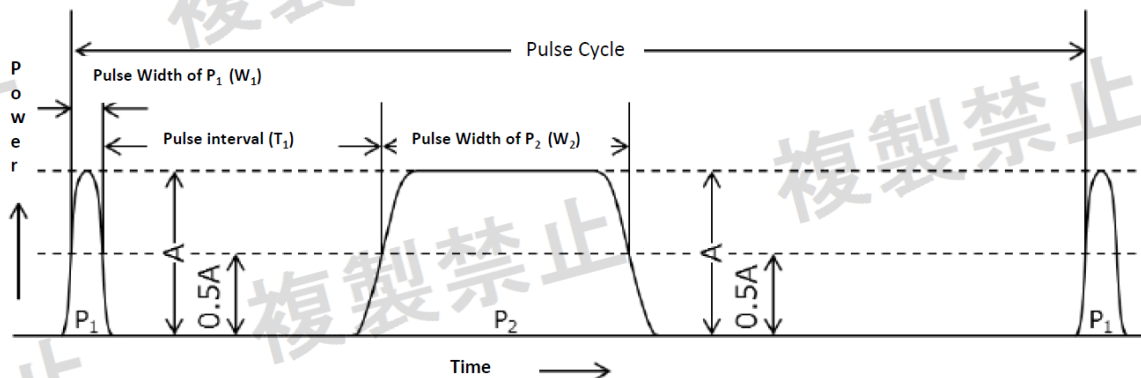
RADAR TEST WAVEFORMS

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

Classification	Pulse width		Repetition frequency		Minimum number of consecutive pulses	Detection probability
	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

Note 1: The detection probability is the total transmission time in any 100ms from the master station radio equipment (connection method is limited to carrier sense multiple access type) to the slave station radio equipment. It refers to the case of performing transmission of 30ms or more.

Note 2: In this table, "pulse width" is the pulse width of P_1 " W_1 " in the following figure, and "repetition frequency" is the reciprocal of the pulse cycle in the following figure. Also, the pulse width and frequency are any one value between the minimum value and the maximum value.



Note 3 In this figure, "A" indicates the maximum power of P_1 and P_2 , and the shift width of frequency (hereinafter referred to as "chirp width") for performing linear frequency modulation during the pulse period, the pulse interval of P_1 " T_1 ". The difference between the pulse width of P_2 " W_2 " and the pulse width of P_1 " W_1 " and the pulse width of P_2 " W_2 " and the pulse width of P_1 " W_1 " multiplied by the repetition frequency (hereinafter referred to as "duty ratio") are as follows: about. In addition, each pulse interval and each pulse width are made into the rise time of each pulse which makes electric power 0.5A base point, and the fall time of each pulse.

(1) Classification 3 or 4

Chirp width	Range of ± 0.5 MHz to 1.0MHz
Pulse interval of P_1 : T_1	70 μ s or more
Pulse width of P_2 : W_2	20 μ s or more, 110 μ s or less
The difference between the pulse width of P_1 and the pulse width of P_2 by the following equation $ W_2 - W_1 $	15 μ s or more
Duty ratio	Less than 10%

(2) Classification 5 ~ 8

Chirp width	Range of ± 0.5 MHz to 1.0MHz
Pulse interval of P_1 : T_1	50 μ s or more
Pulse width of P_2 : W_2	28.5 μ s or more, 33.6 μ s or less



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

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

*1 In the transmission of the 17% of maximum signal access speed (an error correction and a control signal are not included), when the master station is transmitting to the slave station.

*2 The average value of the "detection probability" for every classification of the radio wave which a radar transmits shall be "80% or more".

The radio wave which a radar transmits *Modulated pulse (Chirp radar)				Detection probability *
Classification	Pulse width	Repetition frequency	The number of continuous pulses	
1	50 μ s $\leq X \leq 100 \mu$ s ("50 μ s"or"width which added the integral multiple of 1 μ s to 50 μ s")	500Hz $\leq X \leq 1,000$ Hz (arbitrary frequency of 1)	1 $\leq X \leq 3$ (arbitrary integer of 1)	80% or more

*1 In the transmission of the 17% of maximum signal access speed (an error correction and a control signal are not included), when the master station is transmitting to the slave station.

*2 A mass of the number of continuous pulses (burst) shall be radiated for 12 seconds.

*3 Chirp width : 5MHz $\leq X \leq 20$ MHz ("5MHz" or "frequency width which added the integral multiple of 1MHz to 5MHz") In this case, "chirp width" is arbitrary to each burst, "chirp width" in the same burst shall be an equal thing.

*4 Number of burst : 8 $\leq X \leq 20$ (arbitrary integer), Burst interval : Time which divided 12 seconds by the number of burst.

*5 When there are two or more pulses within the burst of 1, the pulse width shall be an equal thing.

*6 When there are two or more pulses within the burst of 1, the "repetition frequency" must not have relevance between the "repetition frequency" of the pulse of 1, and the "repetition frequency" of the pulse of next 1.

The radio wave which a radar transmits *Modulated pulse (hopping radar)				Detection probability *
Classification	Pulse width	Repetition frequency	Number of pulses in a burst of 1	
1	1 μ s	3000 Hz	9	70% or more

*1 In the transmission of the 17% of maximum signal access speed (an error correction and a control signal are not included), when the master station is transmitting to the slave station.

*2 Burst : One mass of the number of continuous pulses

*3 Hopping frequency : 5,250MHz $\leq X \leq 5724$ MHz ("5250MHz" or "the arbitrary frequency which added the integral multiple of 1MHz to 5250MHz")

*4 Switching interval of the hopping frequency : "3ms", Total switching interval of the all hopping frequency : "300ms"

*5 Burst interval : "3 ms"

5.3. Summary of Test Results

Test Parameter	Remarks	Pass/Fail
DFS Detection Threshold	Applicable	Pass
Channel Availability Check Time	Applicable	Pass
Channel Move Time	Applicable	Pass
Channel Closing Transmission Time	Applicable	Pass
Non-Occupancy Period	Applicable	Pass
Test Mode		
Device operating in master mode.		
Master with injection at the Master. (Radar Test Waveforms are injected into the Master)		

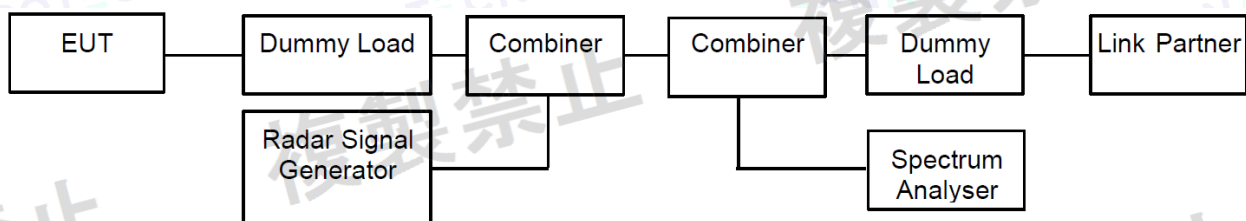


6. Calibration of Radar Waveform

6.1. Test Procedure

1. A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected in place of the master device and the signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of -62dBm as measured on the spectrum analyzer.
2. Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. Measure the amplitude and calculate the difference from -62dBm . Adjust the Reference Level Offset of the spectrum analyzer to this difference.
3. The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of -62dBm and the spectrum analyzer will still indicate the level as received by the Master Device.
4. Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

6.2. Conducted Calibration Test Setup



6.3. Deviation from Test Standard

No Deviation

6.4. Radar Waveform Calibration Result

Calibration:

EIRP > 200 milliwatt in this report, so detection threshold level is -64dBm (please refer to page 5), and the Max. antenna gain is 5.5dBi , required detection threshold is $-58.5\text{dBm} = (-64 + 5.5)\text{dBm}$.

To meet the stringent requirement, the DFS test used the detection threshold level of -62dBm .

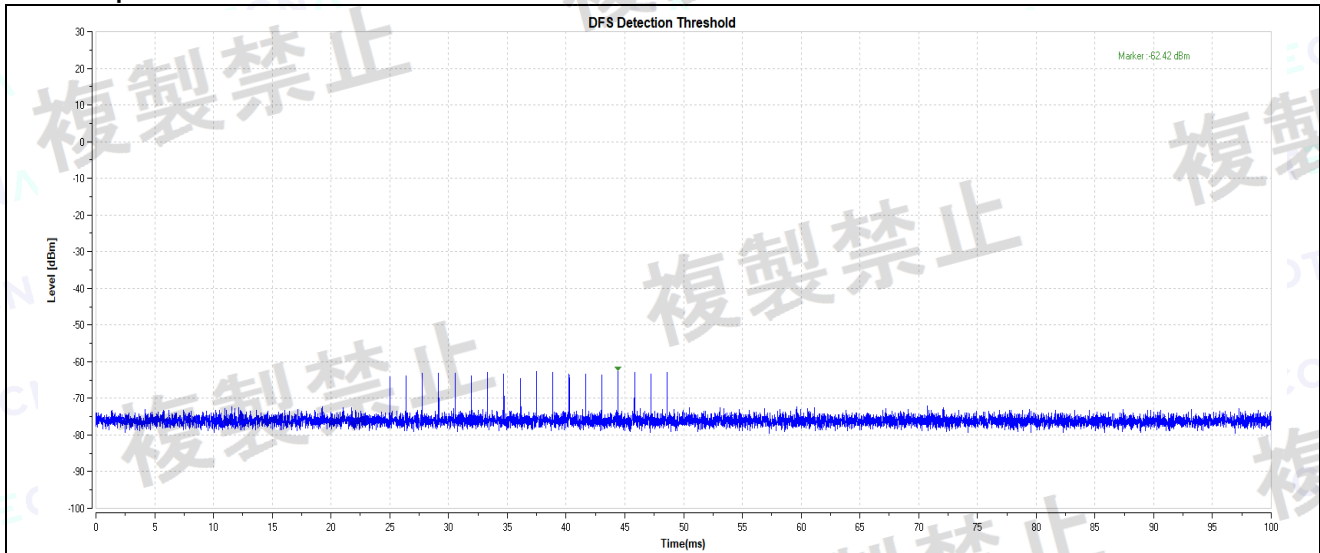


DFS Detection Threshold

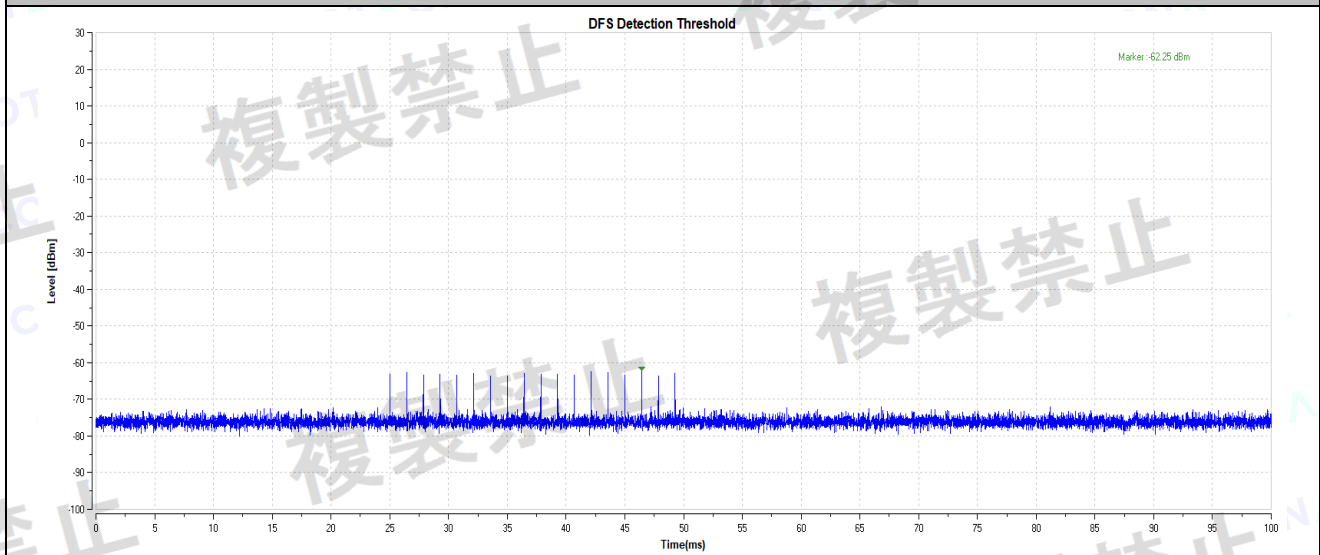
Test Mode	Frequency [MHz]	Radar Type	Result	Limit[dBm]	Verdict
11AC80	5530	W56_Type1	-62.42	-62.00	PASS
11AC80	5530	W56_Type2	-62.25	-62.00	PASS
11AC80	5530	W56_Type3	-62.44	-62.00	PASS
11AC80	5530	W56_Type4	-62.05	-62.00	PASS
11AC80	5530	W56_Type5	-62.10	-62.00	PASS
11AC80	5530	W56_Type6	-62.01	-62.00	PASS
11AC80	5530	W56_CR	-62.37	-62.00	PASS
11AC80	5530	W56_FH	-62.07	-62.00	PASS



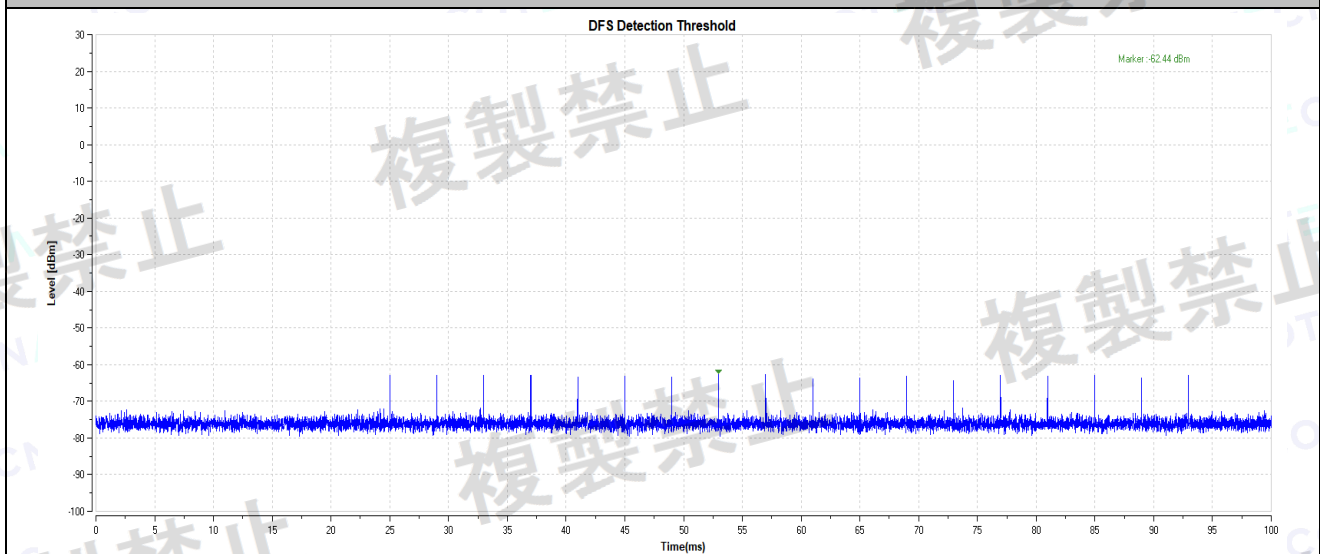
Test Graphs



11AC80-5530-W56_Type1-PASS

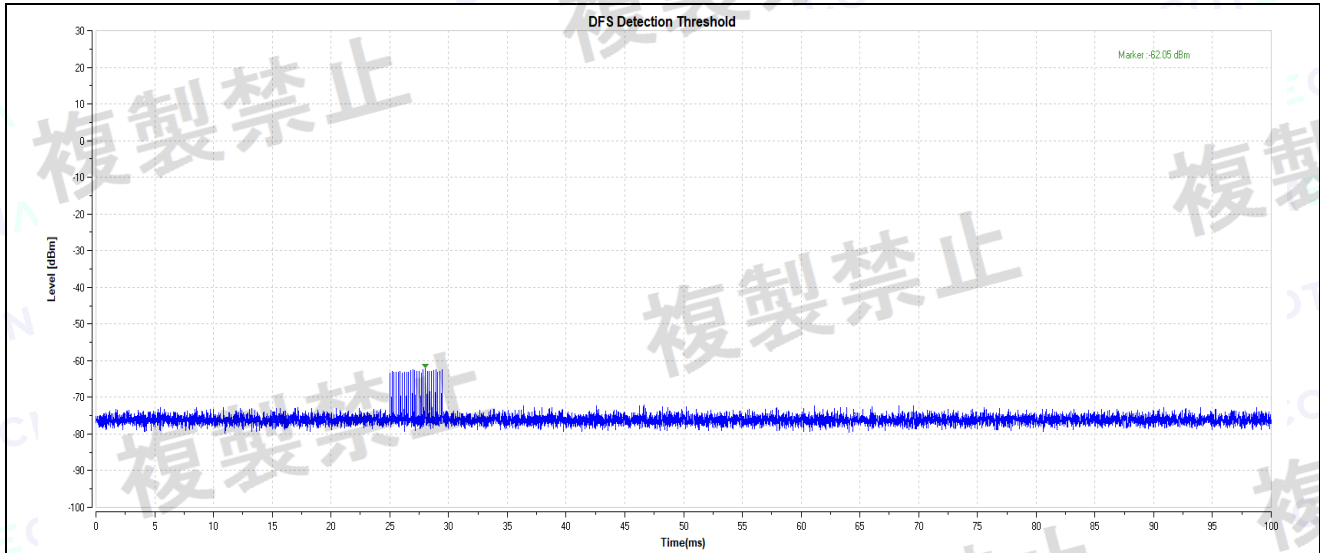


11AC80-5530-W56_Type2-PASS

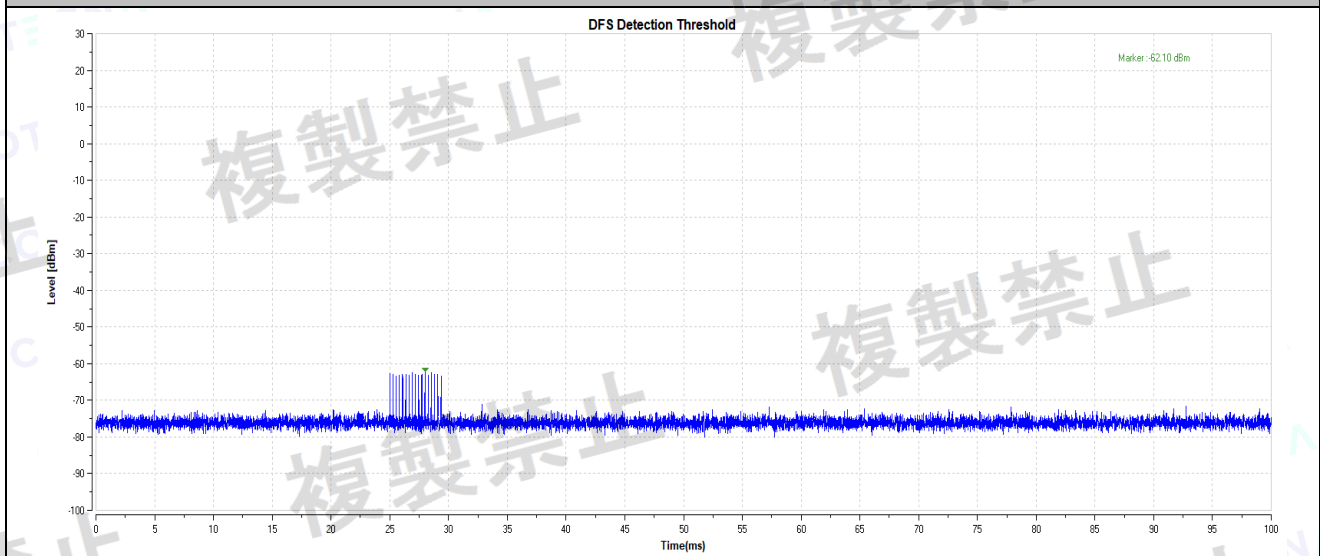


11AC80-5530-W56_Type3-PASS

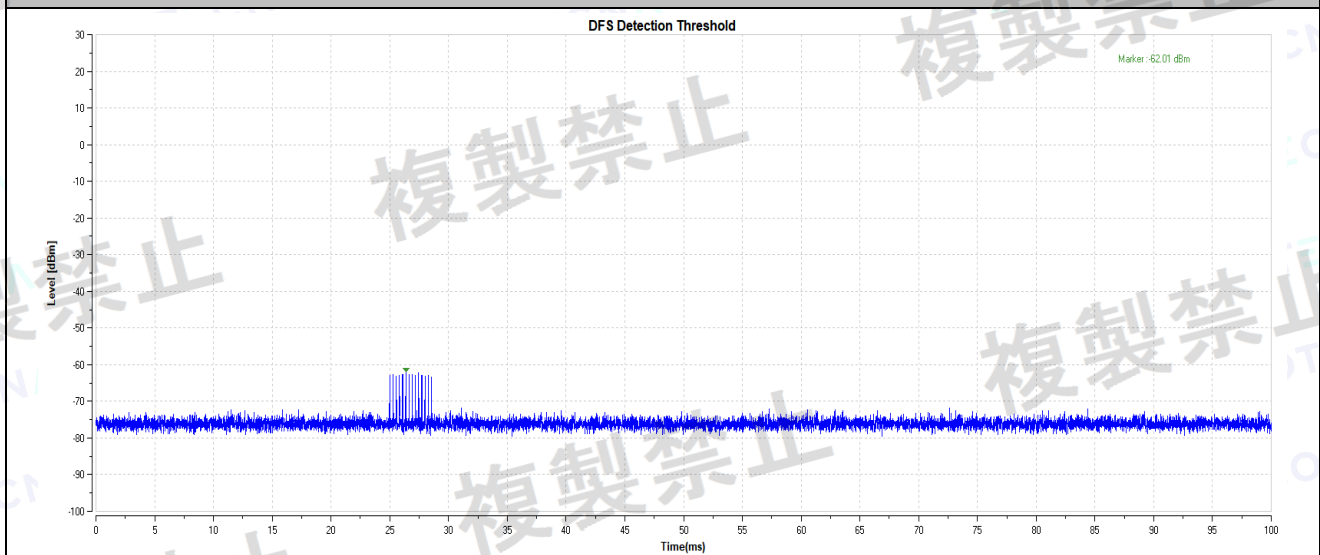




11AC80-5530-W56_Type4-PASS

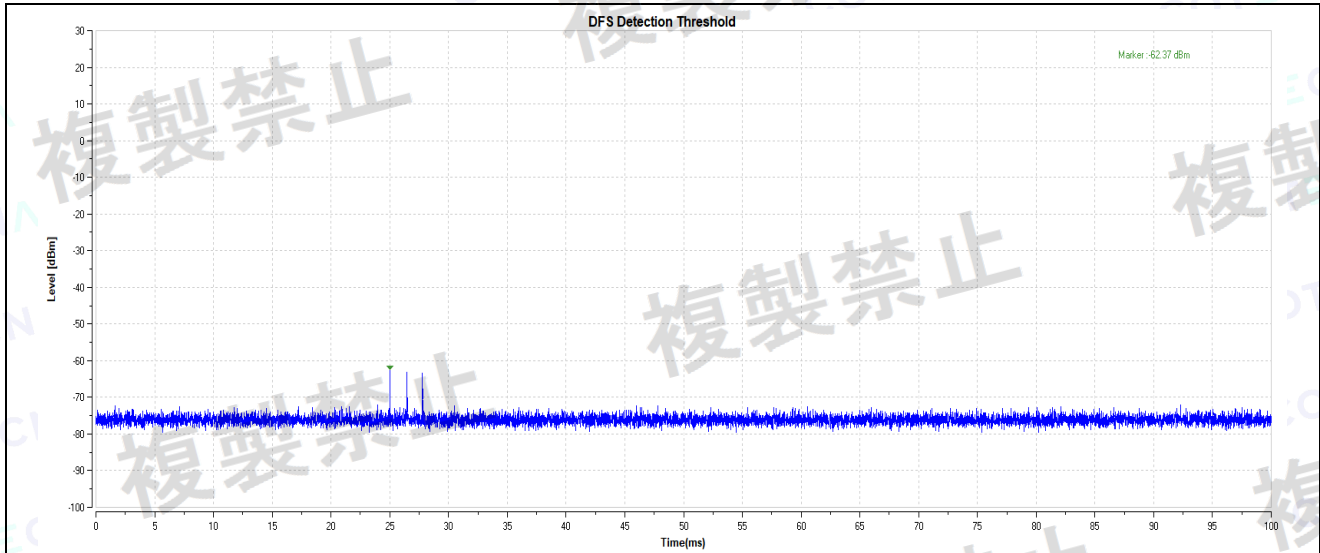


11AC80-5530-W56_Type5-PASS

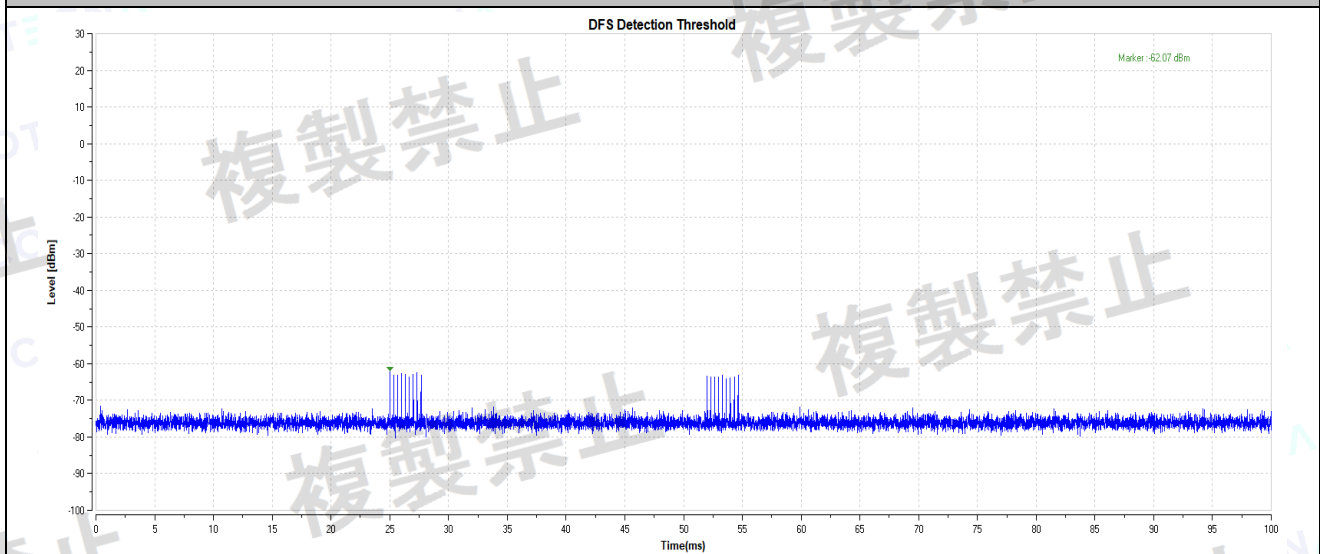


11AC80-5530-W56_Type6-PASS





11AC80-5530-W56_CR-PASS



11AC80-5530-W56_FH-PASS

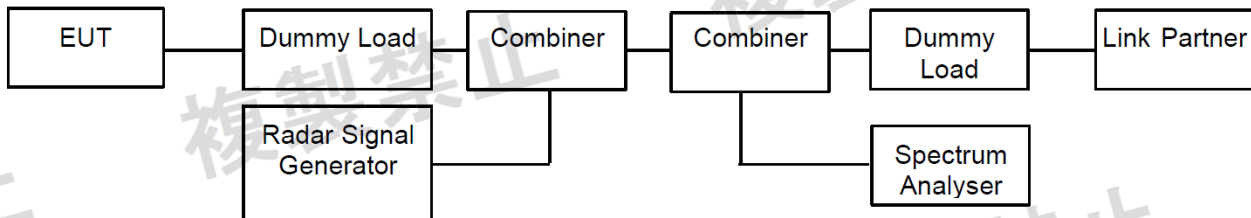


7. U-NII DFS Testing

7.1. Test Procedure

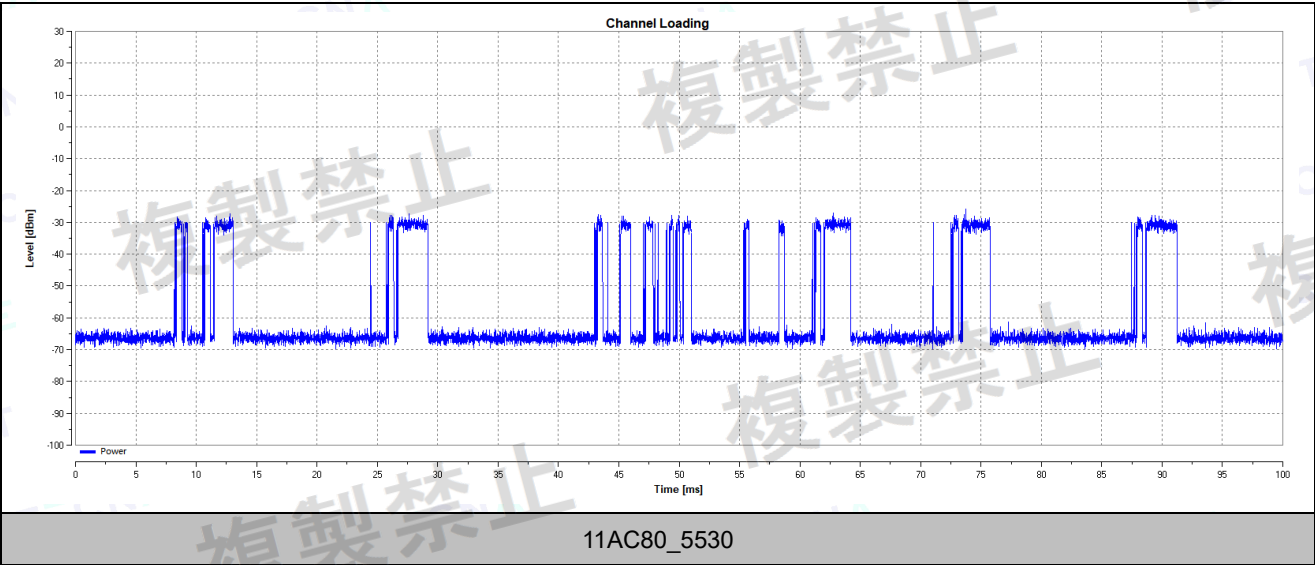
1. Master device and client device are set up by conduction method as the following configuration.
2. The client device is connected to notebook and to access a IP address on wireless connection with the master device.
3. Then the master device is connected to another notebook to access a IP address.
4. Finally, let the two IP addresses run traffic with each other through the Run flow software "Lan test" to reach 50% for W53 and 17% for W56 channel loading as below:

7.2. Conducted Test Setup Configuration



7.3.Channel Loading

Test Mode	Frequency [MHz]	Result	Limit [%]	Verdict
11AC80	5530	18.99	17	PASS



7.4.Channel Availability Check Time

Definition and limit of Channel Availability Check

Channel Availability Check is defined as the mechanism by which a EUT checks channels for the presence of radar signals for 60 seconds. This mechanism is used for identifying Available Channels.

Test Procedure

[Setting 1] Signal Generator Setting

Output frequency: Center of test frequency

Modulation: Pulse modulation, as defined in the section 5.2

Output level: Use the average output levels defined in the section 6.4

[Setting 2] Spectrum Analyzer Setting

Frequency: Center of test frequency

Span: 0 Hz

RBW: 1 MHz

VBW: 1 MHz

Sweep: 15 seconds

Detector: Positive peak

1. Configure the signal generator to [Setting 1]
 2. Initialize the EUT to select Channel Availability Check mode then using either the spectrum analyzer or the Link Partner check that the EUT does not transmit any signals.
 3. Within 60 seconds after initializing the EUT, set the signal generator output ON to supply the EUT with the test signal.
 4. Check whether the EUT detects the test signal using the EUT's own software or using the Link Partner, then record the result.
 5. Repeat the procedure in steps (2) through (4) until five results have been collected
- If the EUT detects the test signal four times or more, then the test report shall record a "Pass", otherwise "Fail".



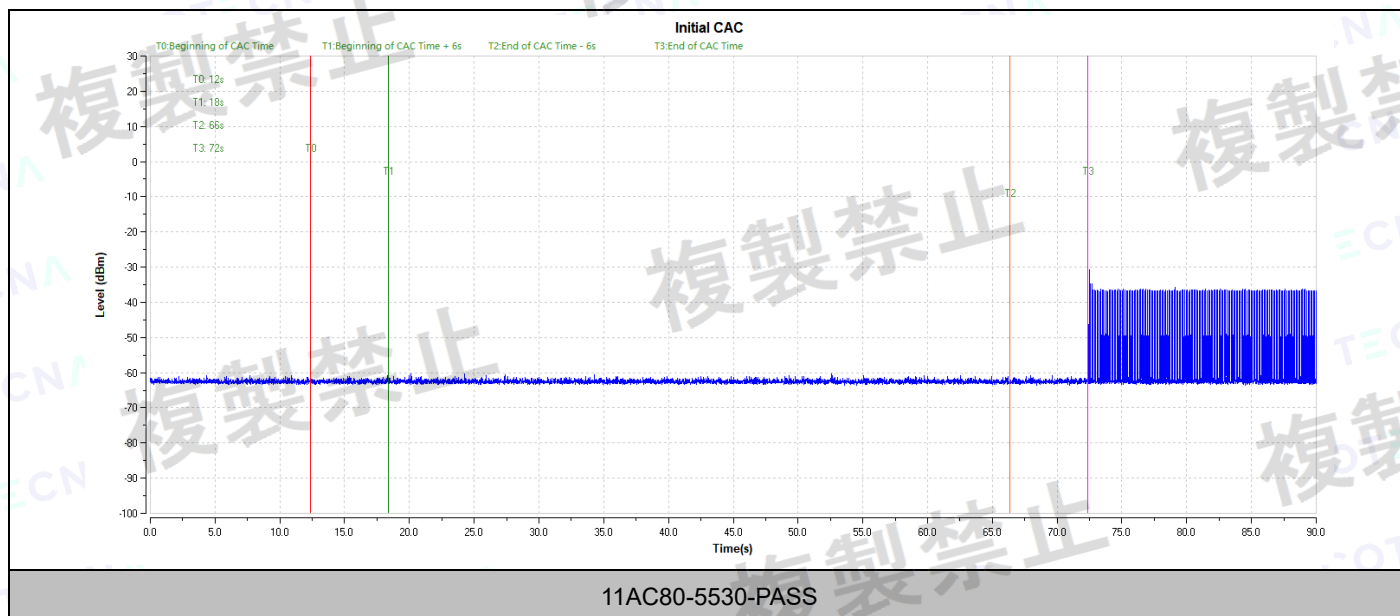
Test Result

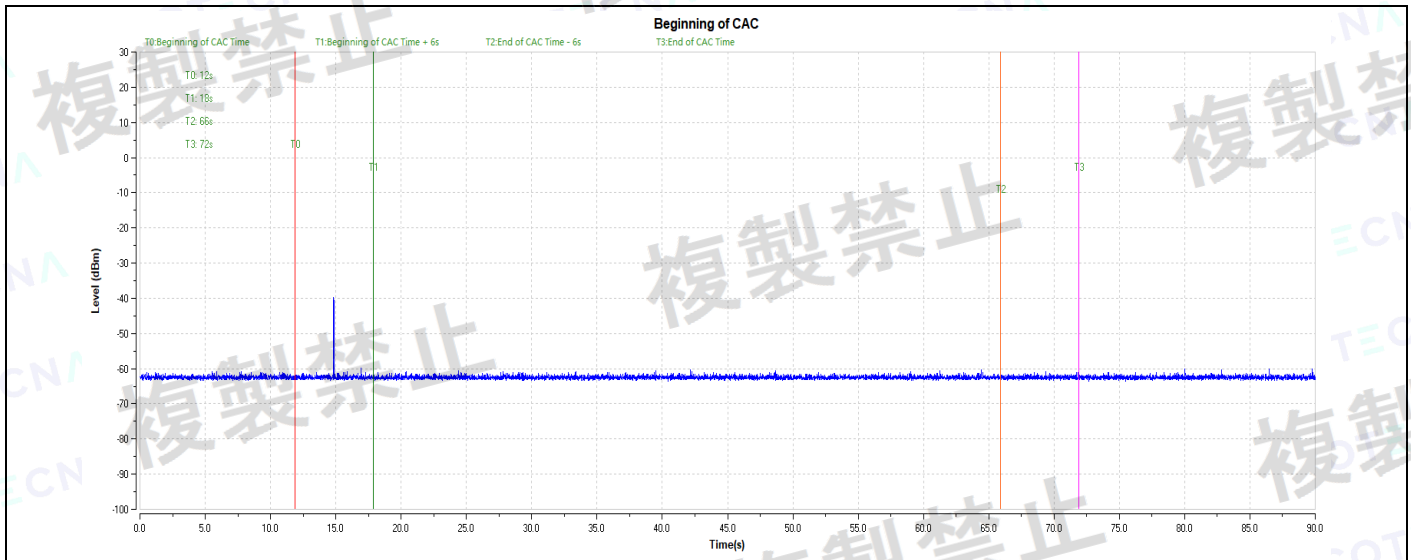
Initial_CAC			
TestMode	Frequency[MHz]	Result	Verdict
11AC80SISO	5530	See test Graph	PASS

Beginning_of_CAC				
TestMode	Frequency[MHz]	Radar Type	Result	Verdict
11AC80SISO	5530	W56_Type1	See test Graph	PASS
11AC80SISO	5530	W56_Type2	See test Graph	PASS
11AC80SISO	5530	W56_Type3	See test Graph	PASS
11AC80SISO	5530	W56_Type4	See test Graph	PASS
11AC80SISO	5530	W56_Type5	See test Graph	PASS
11AC80SISO	5530	W56_Type6	See test Graph	PASS
11AC80SISO	5530	W56_CR	See test Graph	PASS
11AC80SISO	5530	W56_FH	See test Graph	PASS

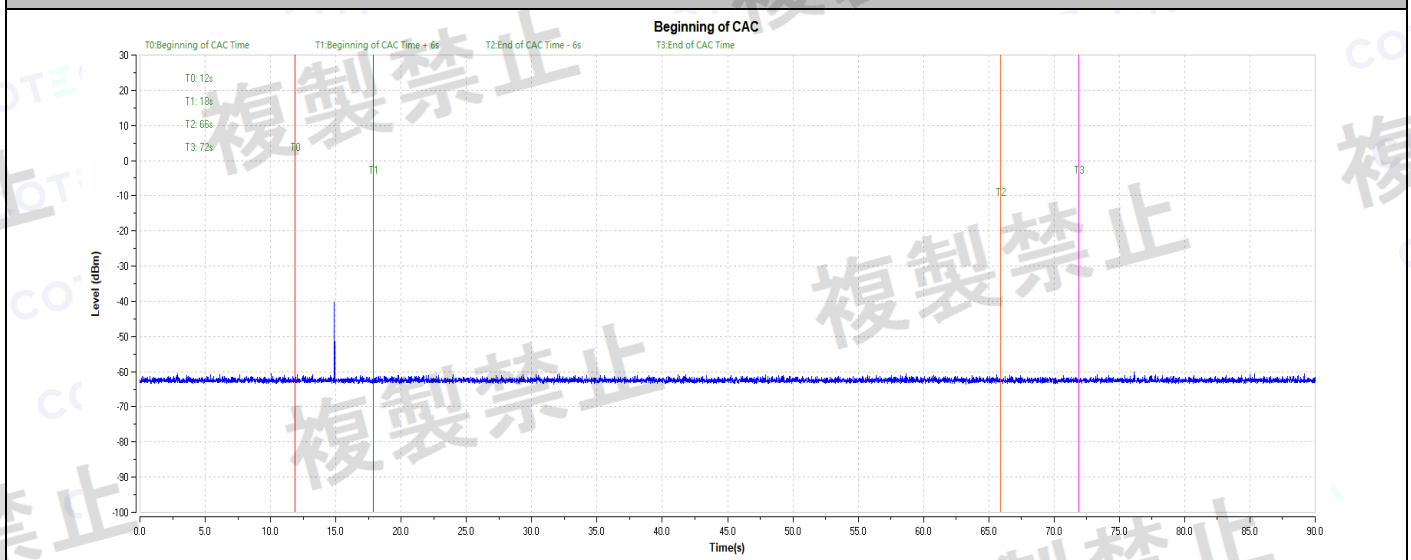
End_of_CAC				
TestMode	Frequency[MHz]	Radar Type	Result	Verdict
11AC80SISO	5530	W56_Type1	See test Graph	PASS
11AC80SISO	5530	W56_Type2	See test Graph	PASS
11AC80SISO	5530	W56_Type3	See test Graph	PASS
11AC80SISO	5530	W56_Type4	See test Graph	PASS
11AC80SISO	5530	W56_Type5	See test Graph	PASS
11AC80SISO	5530	W56_Type6	See test Graph	PASS
11AC80SISO	5530	W56_CR	See test Graph	PASS
11AC80SISO	5530	W56_FH	See test Graph	PASS



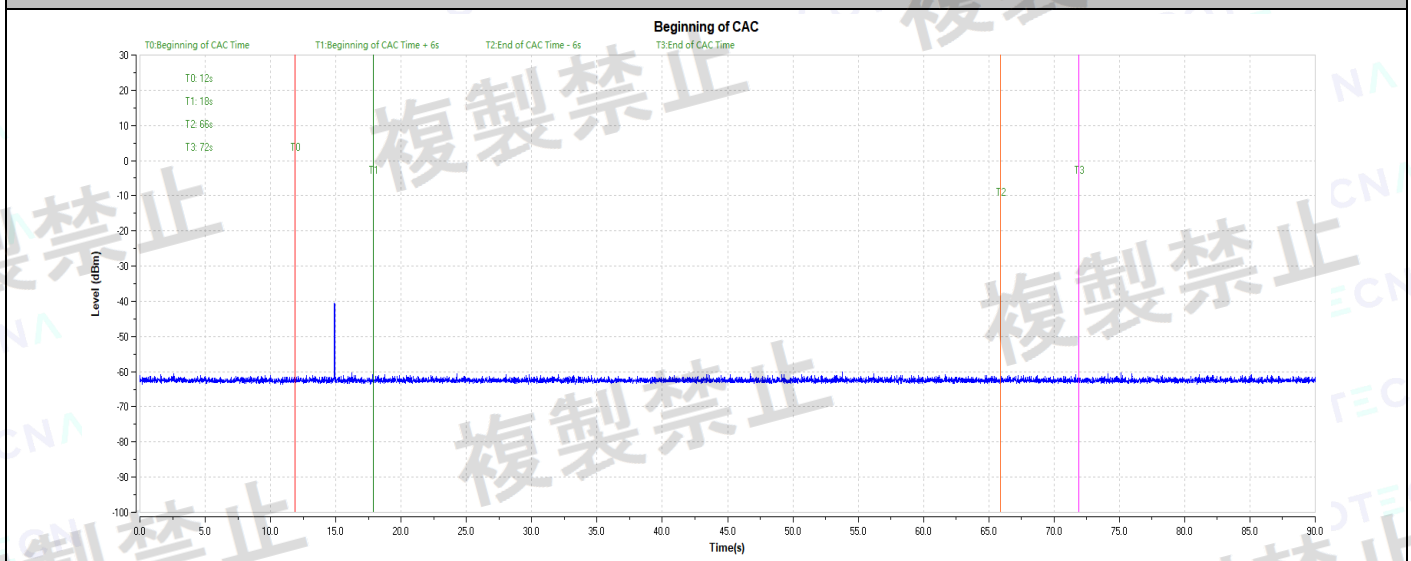




11AC80-5530-W56_Type1-PASS

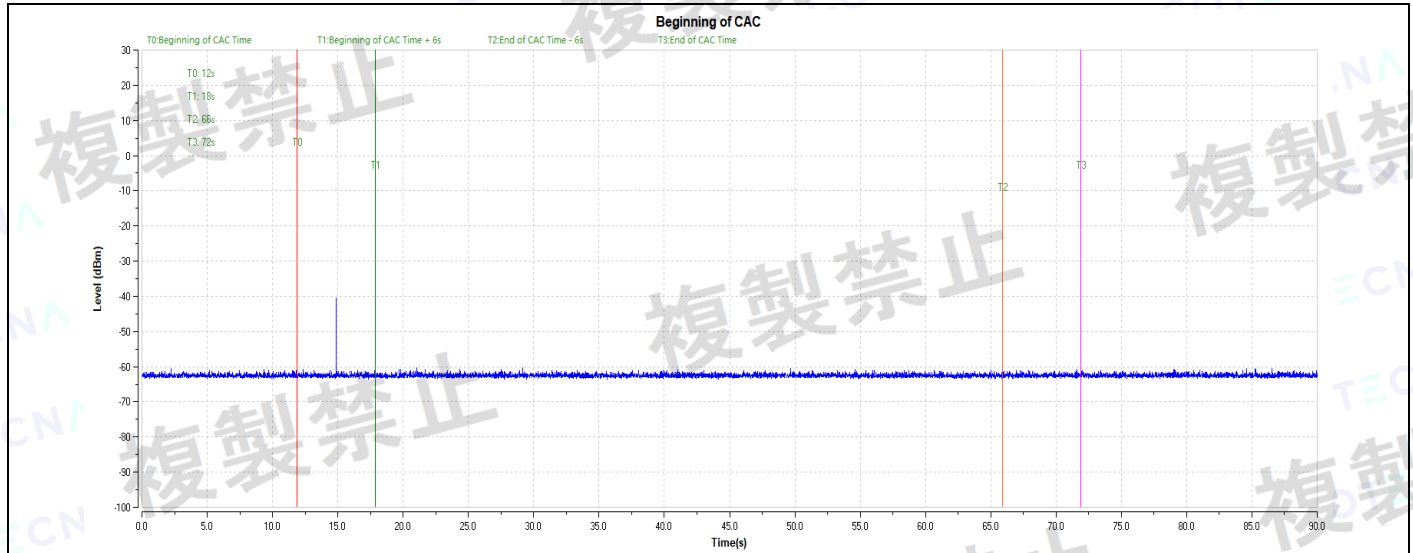


11AC80-5530-W56_Type2-PASS

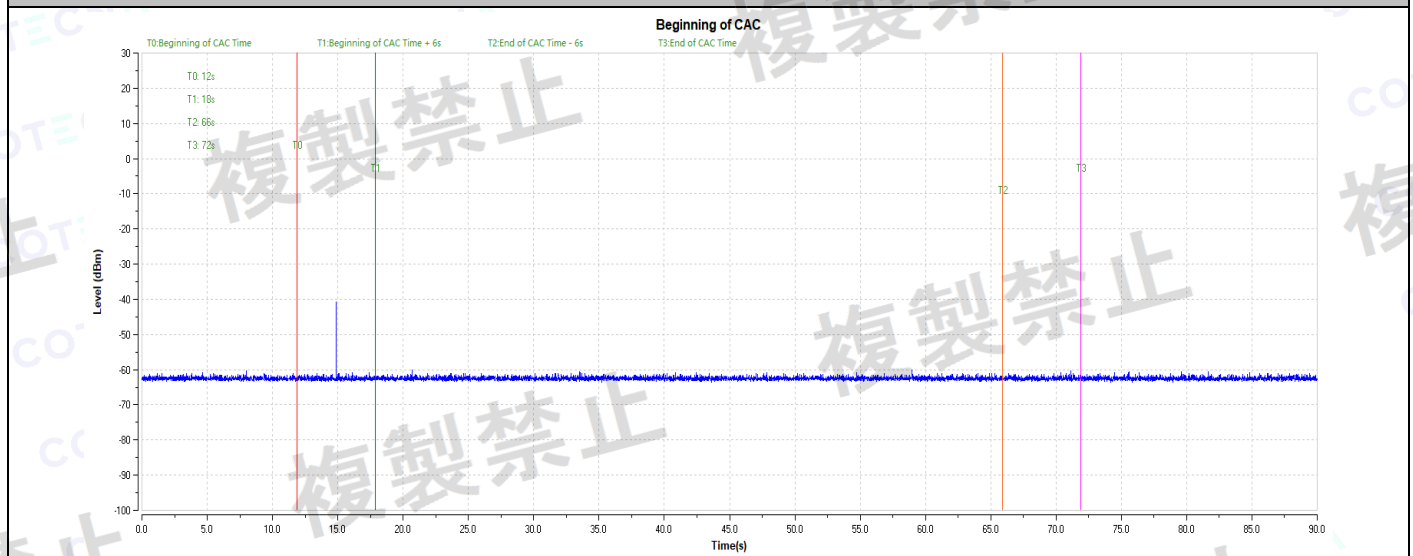


11AC80-5530-W56_Type3-PASS

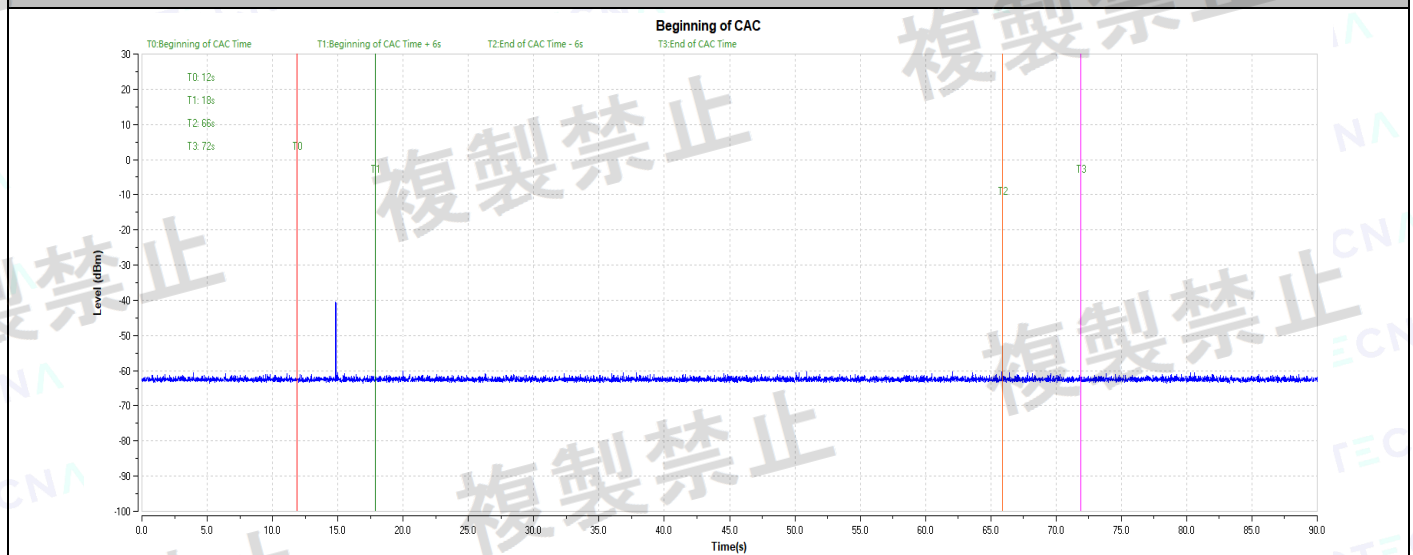




11AC80-5530-W56_Type4-PASS

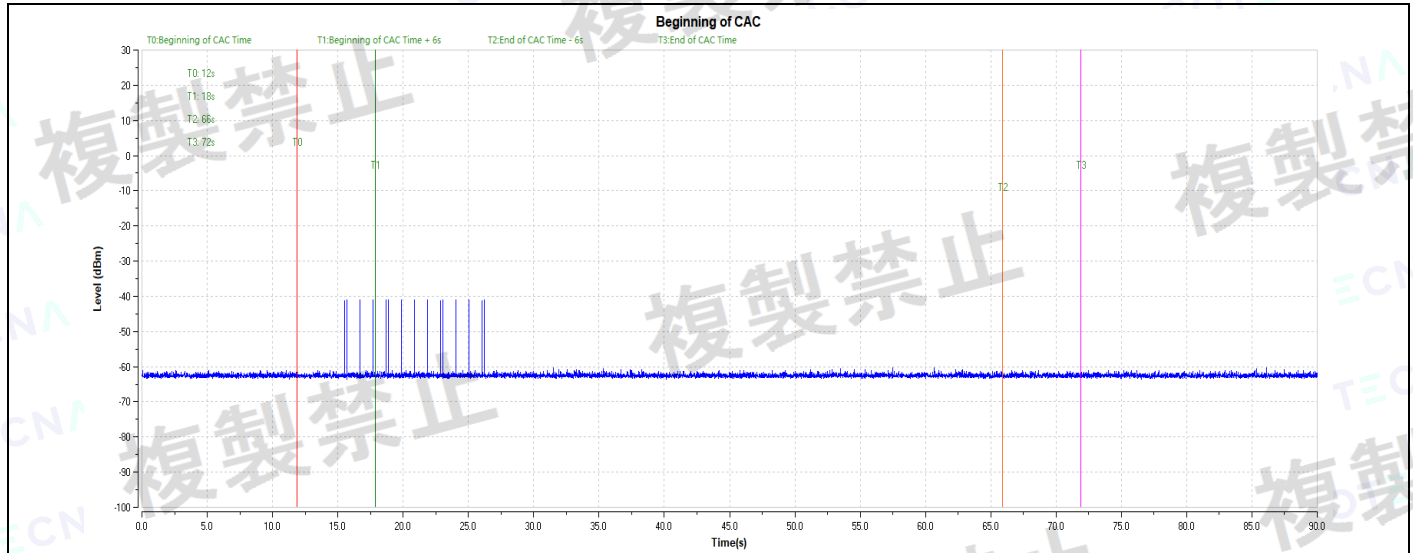


11AC80-5530-W56_Type5-PASS

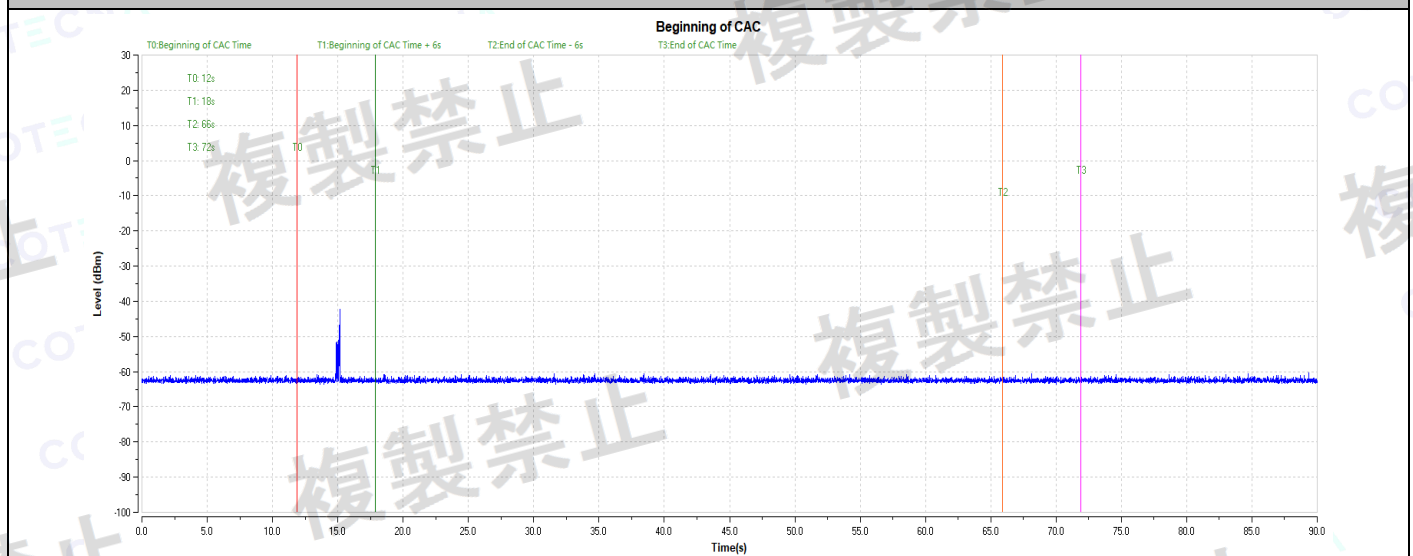


11AC80-5530-W56_Type6-PASS



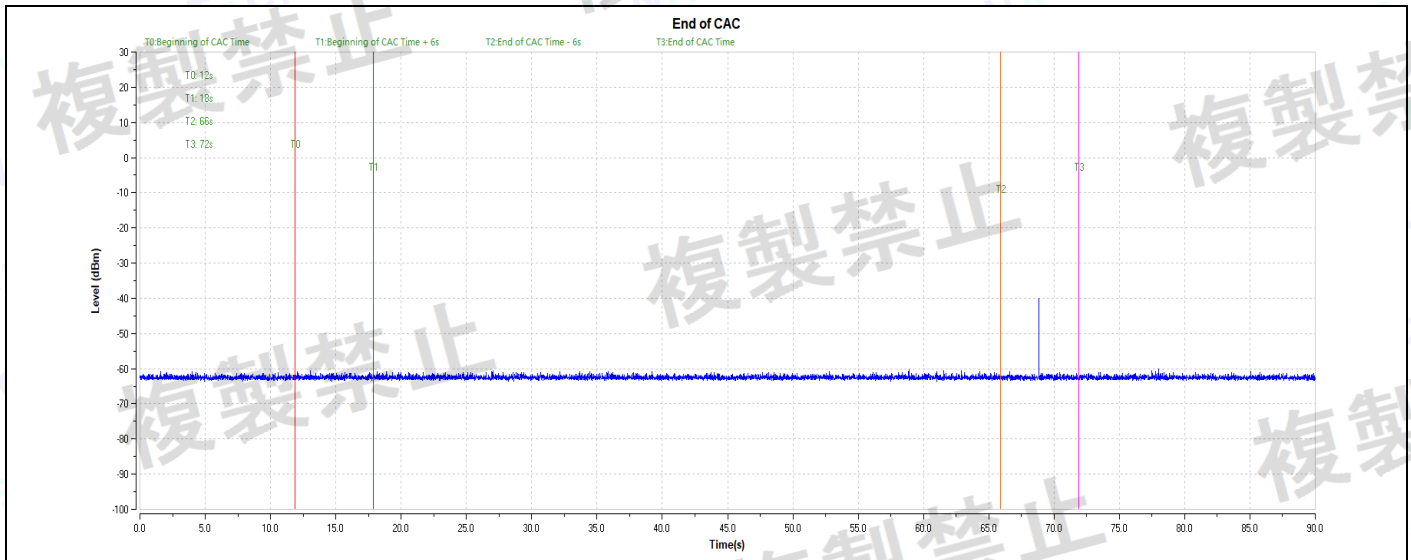


11AC80-5530-W56_CR-PASS

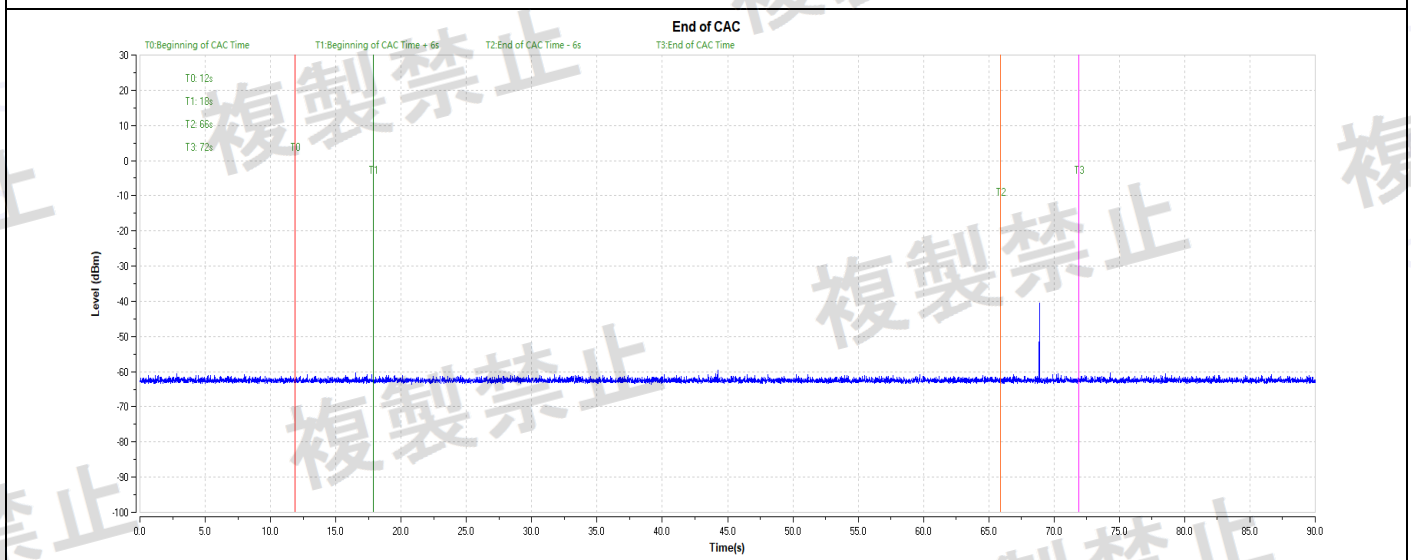


11AC80-5530-W56_FH-PASS

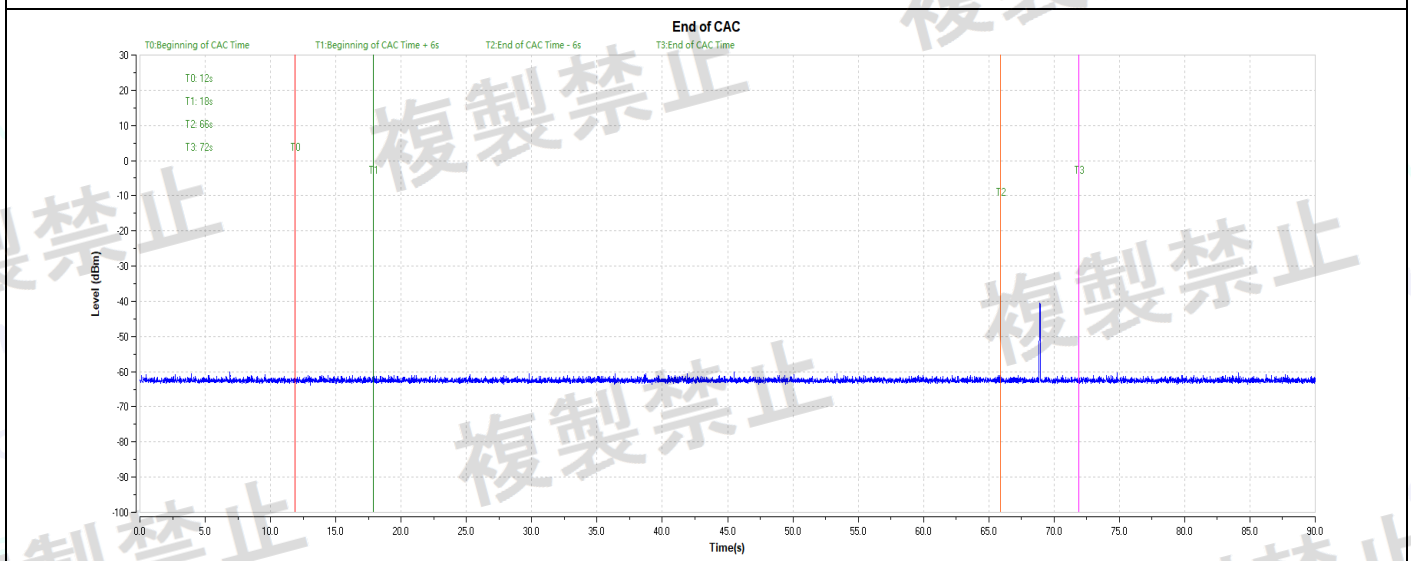




11AC80-5530-W56_Type1-PASS

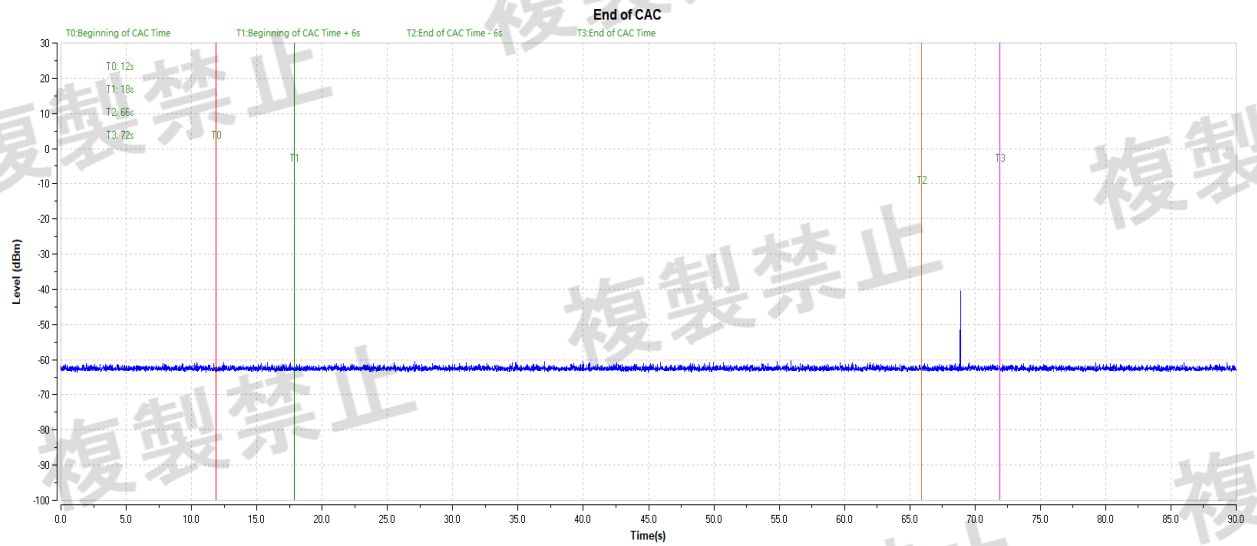


11AC80-5530-W56_Type2-PASS

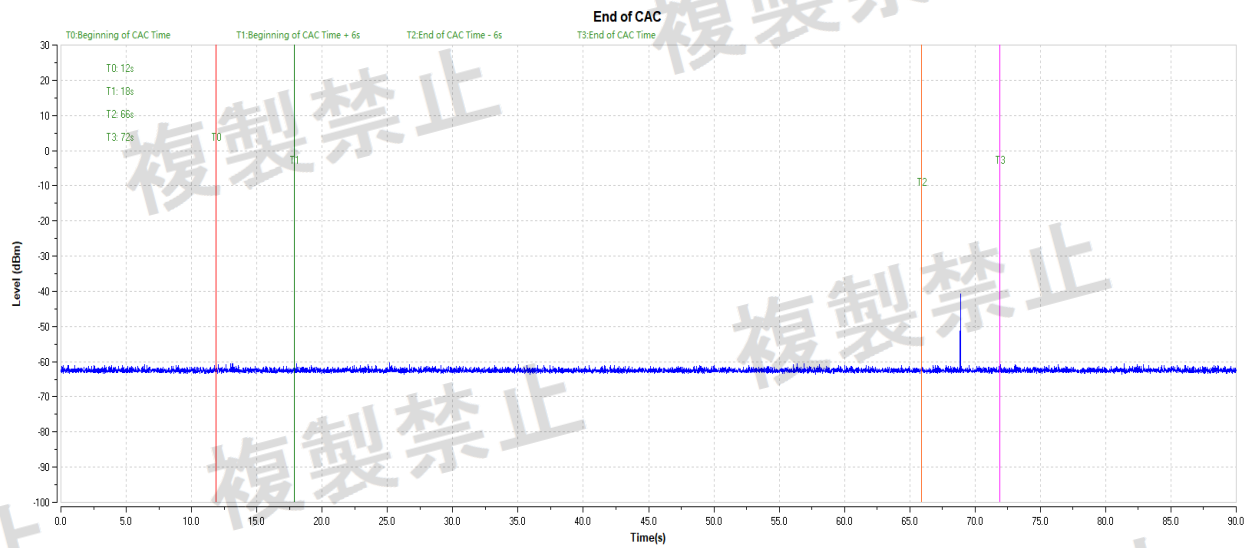


11AC80-5530-W56_Type3-PASS

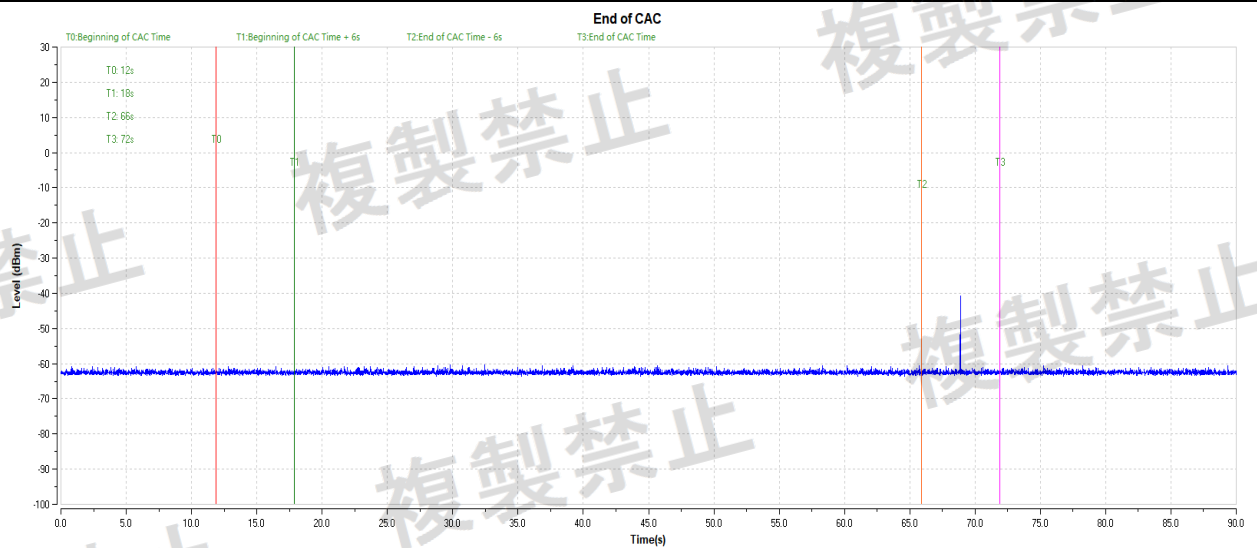




11AC80-5530-W56_Type4-PASS

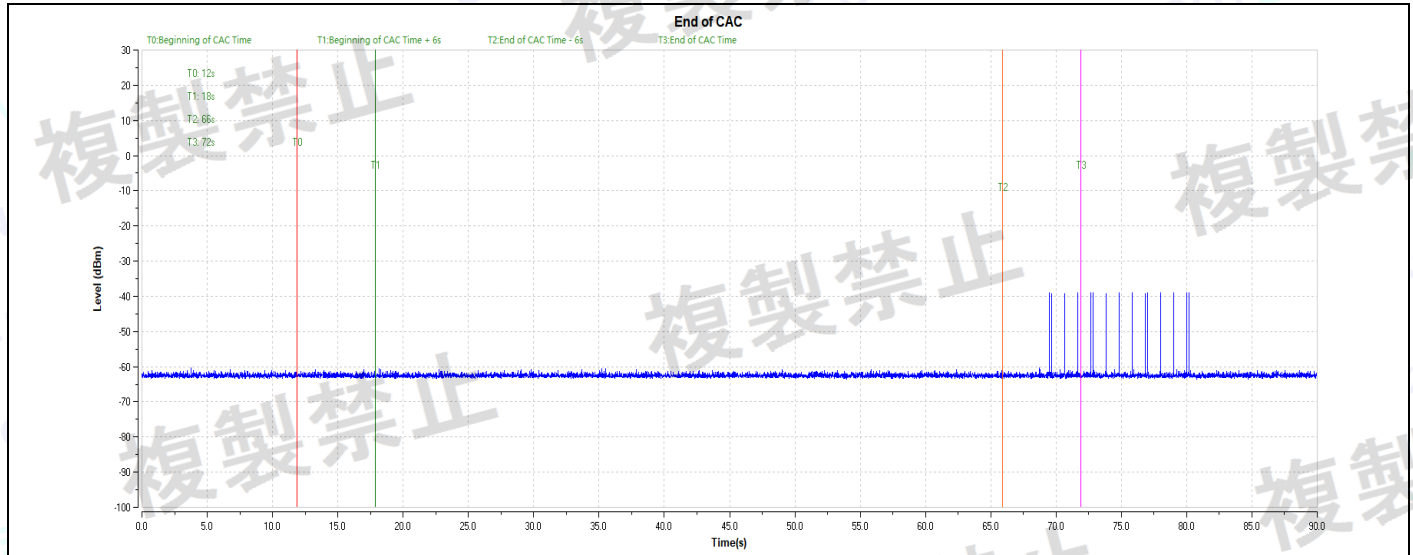


11AC80-5530-W56_Type5-PASS

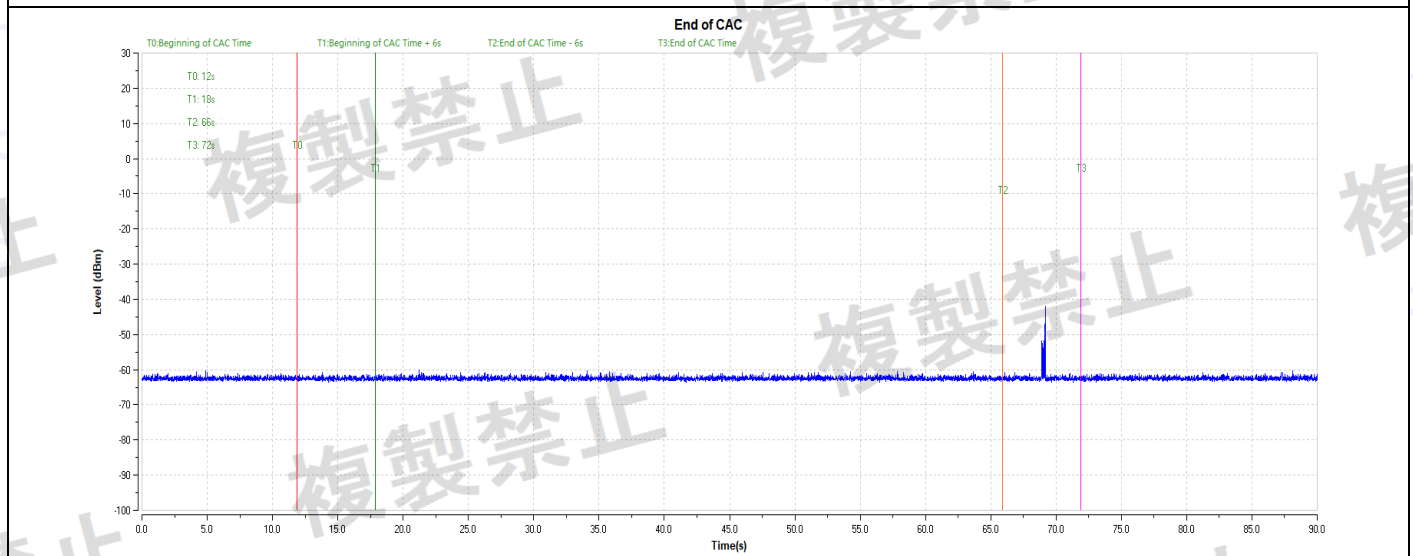


11AC80-5530-W56_Type6-PASS





11AC80-5530-W56_CR-PASS



11AC80-5530-W56_FH-PASS



Detection Probability								
Trial No.	Radar Signal Type (W56) (Y: Detected; N: Not detected)							
	Radar Classification							
	Un-modulated pulse						Chirp radar	hopping radar
	1	2	3	4	5	6		
1	Y	Y	Y	Y	Y	Y	Y	Y
2	Y	Y	Y	Y	Y	Y	Y	Y
3	Y	Y	Y	Y	Y	Y	Y	Y
4	Y	Y	Y	Y	Y	Y	Y	Y
5	Y	Y	Y	Y	Y	Y	Y	Y
Count	5	5	5	5	5	5	5	5
Limit	≥4							
Result	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass



7.5.In-Service(Pd)

Test Mode	Frequency [MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11AC80	5530	W56_Type1	15	5	75.00	60	PASS
11AC80	5530	W56_Type2	16	4	80.00	60	PASS
11AC80	5530	W56_Type3	17	3	85.00	60	PASS
11AC80	5530	W56_Type4	17	3	85.00	60	PASS
11AC80	5530	W56_Type5	16	4	80.00	60	PASS
11AC80	5530	W56_Type6	18	2	90.00	60	PASS
11AC80	5530	W56_CR	18	2	90.00	80	PASS
11AC80	5530	W56_FH	17	3	85.00	70	PASS
11AC80	5530	W56_Type 1-6	---	---	82.50	80	PASS



TestMode	Frequency [MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AC80	5530	W56_Type1	0	0.5	1388.9	18	1
11AC80	5530	W56_Type1	1	0.5	1388.9	18	1
11AC80	5530	W56_Type1	2	0.5	1388.9	18	1
11AC80	5530	W56_Type1	3	0.5	1388.9	18	1
11AC80	5530	W56_Type1	4	0.5	1388.9	18	1
11AC80	5530	W56_Type1	5	0.5	1388.9	18	0
11AC80	5530	W56_Type1	6	0.5	1388.9	18	1
11AC80	5530	W56_Type1	7	0.5	1388.9	18	0
11AC80	5530	W56_Type1	8	0.5	1388.9	18	1
11AC80	5530	W56_Type1	9	0.5	1388.9	18	1
11AC80	5530	W56_Type1	10	0.5	1388.9	18	1
11AC80	5530	W56_Type1	11	0.5	1388.9	18	0
11AC80	5530	W56_Type1	12	0.5	1388.9	18	1
11AC80	5530	W56_Type1	13	0.5	1388.9	18	0
11AC80	5530	W56_Type1	14	0.5	1388.9	18	1
11AC80	5530	W56_Type1	15	0.5	1388.9	18	1
11AC80	5530	W56_Type1	16	0.5	1388.9	18	1
11AC80	5530	W56_Type1	17	0.5	1388.9	18	1
11AC80	5530	W56_Type1	18	0.5	1388.9	18	1
11AC80	5530	W56_Type1	19	0.5	1388.9	18	0
11AC80	5530	W56_Type2	0	1.0	1428.6	18	1
11AC80	5530	W56_Type2	1	1.0	1428.6	18	1
11AC80	5530	W56_Type2	2	1.0	1428.6	18	1
11AC80	5530	W56_Type2	3	1.0	1428.6	18	1
11AC80	5530	W56_Type2	4	1.0	1428.6	18	1
11AC80	5530	W56_Type2	5	1.0	1428.6	18	1
11AC80	5530	W56_Type2	6	1.0	1428.6	18	0
11AC80	5530	W56_Type2	7	1.0	1428.6	18	1
11AC80	5530	W56_Type2	8	1.0	1428.6	18	1
11AC80	5530	W56_Type2	9	1.0	1428.6	18	0
11AC80	5530	W56_Type2	10	1.0	1428.6	18	1
11AC80	5530	W56_Type2	11	1.0	1428.6	18	1
11AC80	5530	W56_Type2	12	1.0	1428.6	18	1
11AC80	5530	W56_Type2	13	1.0	1428.6	18	1
11AC80	5530	W56_Type2	14	1.0	1428.6	18	1
11AC80	5530	W56_Type2	15	1.0	1428.6	18	1



11AC80	5530	W56_Type2	16	1.0	1428.6	18	1
11AC80	5530	W56_Type2	17	1.0	1428.6	18	0
11AC80	5530	W56_Type2	18	1.0	1428.6	18	0
11AC80	5530	W56_Type2	19	1.0	1428.6	18	1
11AC80	5530	W56_Type3	0	2.0	4000.0	18	1
11AC80	5530	W56_Type3	1	2.0	4000.0	18	0
11AC80	5530	W56_Type3	2	2.0	4000.0	18	1
11AC80	5530	W56_Type3	3	2.0	4000.0	18	1
11AC80	5530	W56_Type3	4	2.0	4000.0	18	0
11AC80	5530	W56_Type3	5	2.0	4000.0	18	1
11AC80	5530	W56_Type3	6	2.0	4000.0	18	1
11AC80	5530	W56_Type3	7	2.0	4000.0	18	1
11AC80	5530	W56_Type3	8	2.0	4000.0	18	1
11AC80	5530	W56_Type3	9	2.0	4000.0	18	1
11AC80	5530	W56_Type3	10	2.0	4000.0	18	1
11AC80	5530	W56_Type3	11	2.0	4000.0	18	1
11AC80	5530	W56_Type3	12	2.0	4000.0	18	1
11AC80	5530	W56_Type3	13	2.0	4000.0	18	1
11AC80	5530	W56_Type3	14	2.0	4000.0	18	1
11AC80	5530	W56_Type3	15	2.0	4000.0	18	1
11AC80	5530	W56_Type3	16	2.0	4000.0	18	1
11AC80	5530	W56_Type3	17	2.0	4000.0	18	1
11AC80	5530	W56_Type3	18	2.0	4000.0	18	1
11AC80	5530	W56_Type3	19	2.0	4000.0	18	0
11AC80	5530	W56_Type4	0	4.0	177.4	26	1
11AC80	5530	W56_Type4	1	1.0	225.5	23	1
11AC80	5530	W56_Type4	2	2.0	200.5	24	1
11AC80	5530	W56_Type4	3	5.0	153.7	29	1
11AC80	5530	W56_Type4	4	5.0	166.4	28	1
11AC80	5530	W56_Type4	5	3.0	183.6	26	0
11AC80	5530	W56_Type4	6	4.0	178.3	26	1
11AC80	5530	W56_Type4	7	3.0	192.3	25	1
11AC80	5530	W56_Type4	8	4.0	179.0	26	0
11AC80	5530	W56_Type4	9	1.0	222.4	23	1
11AC80	5530	W56_Type4	10	5.0	166.6	27	1
11AC80	5530	W56_Type4	11	5.0	156.2	29	0
11AC80	5530	W56_Type4	12	4.0	177.7	26	1
11AC80	5530	W56_Type4	13	2.0	197.0	25	1



11AC80	5530	W56_Type4	14	5.0	157.2	29	1
11AC80	5530	W56_Type4	15	3.0	181.7	26	1
11AC80	5530	W56_Type4	16	5.0	150.7	29	1
11AC80	5530	W56_Type4	17	3.0	194.0	25	1
11AC80	5530	W56_Type4	18	3.0	183.8	26	1
11AC80	5530	W56_Type4	19	2.0	196.7	25	1
11AC80	5530	W56_Type5	0	9.0	272.6	17	1
11AC80	5530	W56_Type5	1	6.0	473.0	16	1
11AC80	5530	W56_Type5	2	7.0	353.6	16	1
11AC80	5530	W56_Type5	3	10.0	208.7	18	0
11AC80	5530	W56_Type5	4	10.0	241.0	18	1
11AC80	5530	W56_Type5	5	8.0	292.1	17	1
11AC80	5530	W56_Type5	6	9.0	275.5	17	1
11AC80	5530	W56_Type5	7	8.0	322.4	17	1
11AC80	5530	W56_Type5	8	9.0	277.6	17	0
11AC80	5530	W56_Type5	9	6.0	455.8	16	1
11AC80	5530	W56_Type5	10	10.0	241.4	18	1
11AC80	5530	W56_Type5	11	10.0	214.7	18	1
11AC80	5530	W56_Type5	12	9.0	273.6	17	0
11AC80	5530	W56_Type5	13	7.0	339.9	16	1
11AC80	5530	W56_Type5	14	10.0	217.1	18	1
11AC80	5530	W56_Type5	15	8.0	285.9	17	0
11AC80	5530	W56_Type5	16	10.0	201.7	18	1
11AC80	5530	W56_Type5	17	8.0	328.5	17	1
11AC80	5530	W56_Type5	18	8.0	292.7	17	1
11AC80	5530	W56_Type5	19	7.0	338.5	16	1
11AC80	5530	W56_Type6	0	17.0	272.6	14	1
11AC80	5530	W56_Type6	1	11.0	473.0	12	1
11AC80	5530	W56_Type6	2	14.0	353.6	13	0
11AC80	5530	W56_Type6	3	20.0	208.7	16	1
11AC80	5530	W56_Type6	4	18.0	241.0	15	1
11AC80	5530	W56_Type6	5	16.0	292.1	14	1
11AC80	5530	W56_Type6	6	16.0	275.5	14	1
11AC80	5530	W56_Type6	7	15.0	322.4	13	1
11AC80	5530	W56_Type6	8	16.0	277.6	14	0
11AC80	5530	W56_Type6	9	11.0	455.8	12	1
11AC80	5530	W56_Type6	10	18.0	241.4	15	1
11AC80	5530	W56_Type6	11	20.0	214.7	16	1



11AC80	5530	W56_Type6	12	17.0	273.6	14	1
11AC80	5530	W56_Type6	13	14.0	339.9	13	1
11AC80	5530	W56_Type6	14	20.0	217.1	16	1
11AC80	5530	W56_Type6	15	16.0	285.9	14	1
11AC80	5530	W56_Type6	16	20.0	201.7	16	1
11AC80	5530	W56_Type6	17	14.0	328.5	13	1
11AC80	5530	W56_Type6	18	16.0	292.7	14	1
11AC80	5530	W56_Type6	19	14.0	338.5	13	1



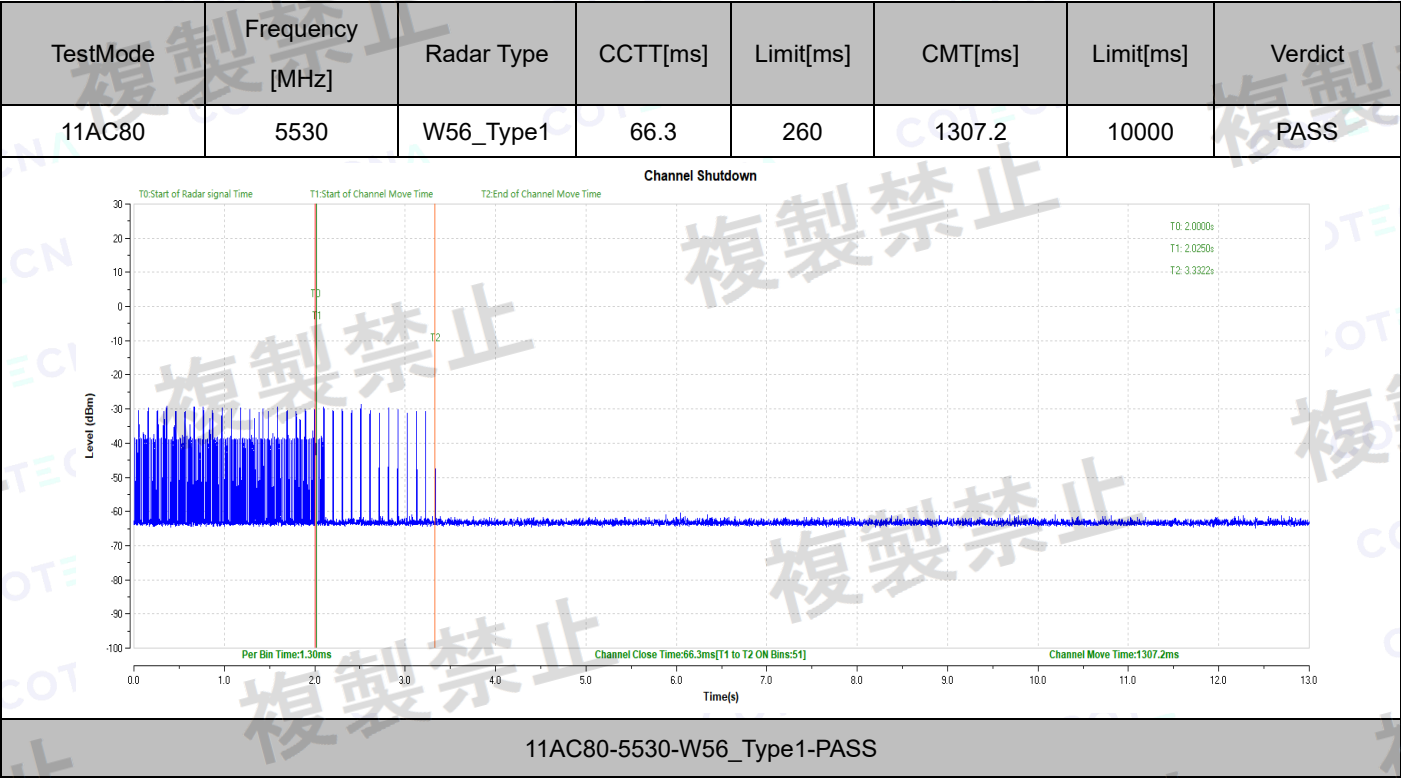
TestMode	Frequency [MHz]	Radar Type	Trial ID	Burst Count	Burst Period	Wave Leng	Detection (1: Yes; 0: No)
11AC80	5530	W56_CR	0	15	0.80	12.00000	0
11AC80	5530	W56_CR	1	8	1.50	12.00000	1
11AC80	5530	W56_CR	2	11	1.09	12.00000	1
11AC80	5530	W56_CR	3	20	0.60	12.00000	1
11AC80	5530	W56_CR	4	17	0.71	12.00000	1
11AC80	5530	W56_CR	5	14	0.86	12.00000	1
11AC80	5530	W56_CR	6	15	0.80	12.00000	1
11AC80	5530	W56_CR	7	12	1.00	12.00000	1
11AC80	5530	W56_CR	8	14	0.86	12.00000	1
11AC80	5530	W56_CR	9	8	1.50	12.00000	1
11AC80	5530	W56_CR	10	17	0.71	12.00000	1
11AC80	5530	W56_CR	11	19	0.63	12.00000	1
11AC80	5530	W56_CR	12	15	0.80	12.00000	1
11AC80	5530	W56_CR	13	12	1.00	12.00000	1
11AC80	5530	W56_CR	14	19	0.63	12.00000	1
11AC80	5530	W56_CR	15	14	0.86	12.00000	0
11AC80	5530	W56_CR	16	20	0.60	12.00000	1
11AC80	5530	W56_CR	17	12	1.00	12.00000	1
11AC80	5530	W56_CR	18	14	0.86	12.00000	1
11AC80	5530	W56_CR	19	12	1.00	12.00000	1



TestMode	Frequency [MHz]	Radar Type	Trial ID	Pulse width(μs)	PRF(μs)	Pulses per Hop	Detection (1: Yes; 0: No)
11AC80	5530	W56_FH	0	1	3000	9	1
11AC80	5530	W56_FH	1	1	3000	9	1
11AC80	5530	W56_FH	2	1	3000	9	1
11AC80	5530	W56_FH	3	1	3000	9	1
11AC80	5530	W56_FH	4	1	3000	9	0
11AC80	5530	W56_FH	5	1	3000	9	1
11AC80	5530	W56_FH	6	1	3000	9	1
11AC80	5530	W56_FH	7	1	3000	9	1
11AC80	5530	W56_FH	8	1	3000	9	1
11AC80	5530	W56_FH	9	1	3000	9	1
11AC80	5530	W56_FH	10	1	3000	9	0
11AC80	5530	W56_FH	11	1	3000	9	1
11AC80	5530	W56_FH	12	1	3000	9	1
11AC80	5530	W56_FH	13	1	3000	9	1
11AC80	5530	W56_FH	14	1	3000	9	1
11AC80	5530	W56_FH	15	1	3000	9	0
11AC80	5530	W56_FH	16	1	3000	9	1
11AC80	5530	W56_FH	17	1	3000	9	1
11AC80	5530	W56_FH	18	1	3000	9	1
11AC80	5530	W56_FH	19	1	3000	9	1

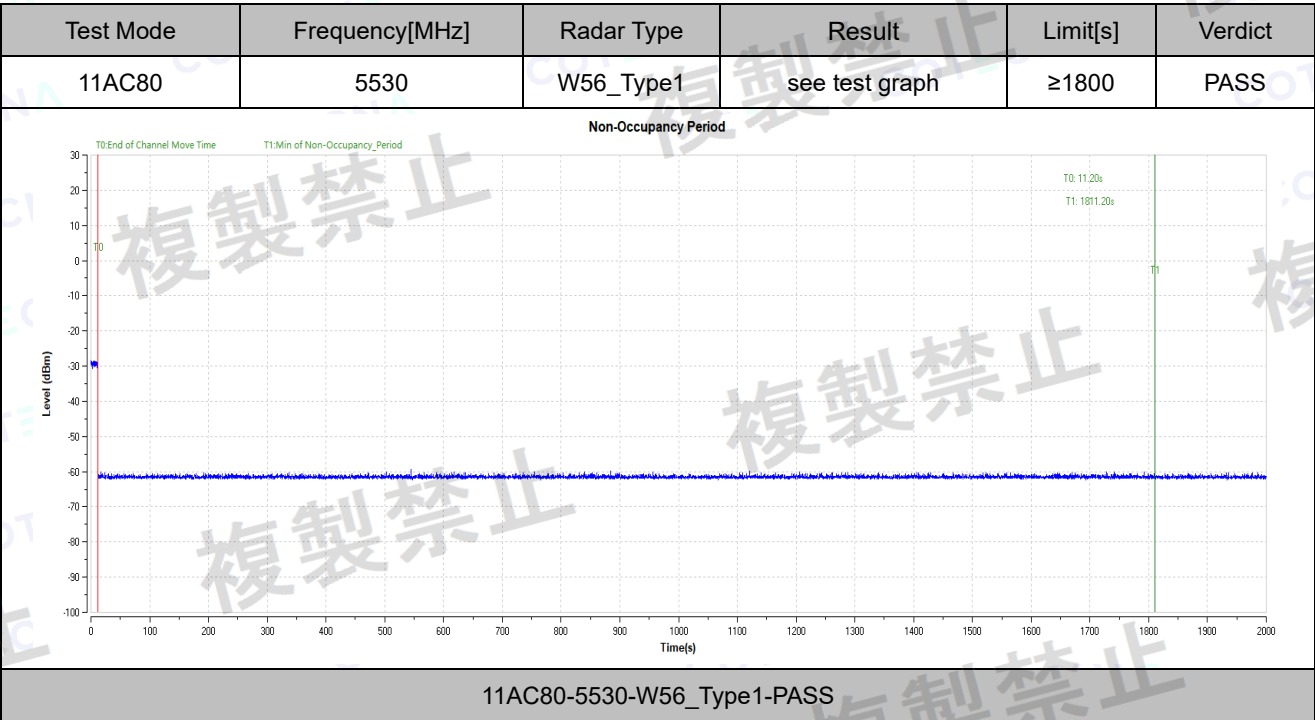


7.6.Channel Move Time and Channel Closing Transmission Time

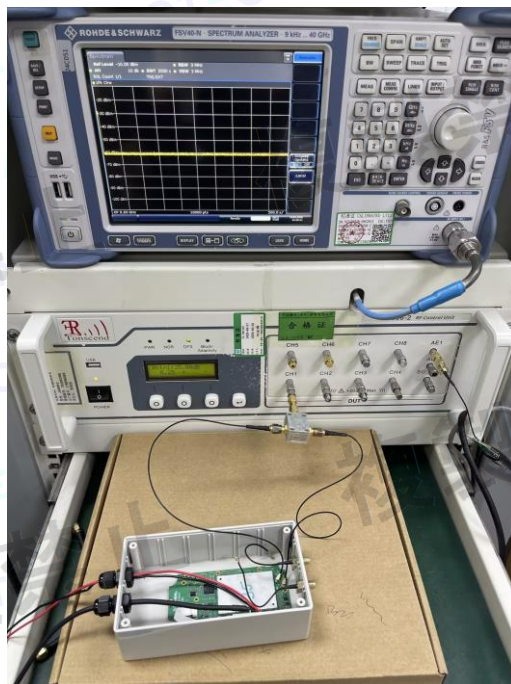


7.7.Non-occupancy Period

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



8. Test Setup Photos



9. EUT Photos

Please refer to Report TBR-C-202506-0272-2.

10. Label Information

Please refer to Report TBR-C-202506-0272-2.

-----END OF THE REPORT-----

