

TEST REPORT

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Report Number: 2604V73211E-RF-07C

Test Standard (s)

Article 2 Paragraph 1 Item 19-3

Sample Description

Product Name: P3C
Model No.: PF006-P
Trade Mark: N/A
Received Date: 2026-07-30
Report Date: 2026-09-04

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

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Jason Fan
Engineer

Approved By:

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Supervisor

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604V73211E-RF-07C	Original Report	2026-09-04

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	P3C
Tested Model	PF006-P
Nominal Power Supply [#]	AC 100-120V
Power Board 1 Information [#]	MEGMEET MODEL: MPT150-24V-TZ-B INPUT: 100-240V~50/60Hz, 4.0A Max OUTPUT: 24V $\Rightarrow$ 6.5A
Power Board 2 Information [#]	trelin MODEL: TDP-150-24 INPUT: 100-240V~4A 50/60Hz OUTPUT: 24V $\Rightarrow$ 6.5A
Power Board 3 Information [#]	MOSO MODEL: T30-T6250J240-150B0 INPUT: 100-240V~50/60Hz 3.0A max. OUTPUT: 24.0V $\Rightarrow$ 6.25A 150.0W

Radio Type		RLAN
Technical Parameters	Frequency Range	802.11a/n20/ac20/ax20: 5260-5320MHz, 5500-5720MHz 802.11n40/ac40/ax40: 5270-5310MHz, 5510-5710MHz
	Antenna Gain [#]	W53(5.3G) Gain: 2.29 dBi, W56(5.6G) Gain: 3.15 dBi (The gain was provided by the applicant)
Sample Serial Number		3R4H-1 (Assigned by BACL, Shenzhen, Guangming)
Sample/EUT Status		Good condition

Objective

The objective of the manufacturer is to demonstrate compliance with Radio Law of Japan item 19-3 of Article 2 Paragraph 1, Radio equipment for 5G band low-power data communications system which uses indoors a radio wave of 5.2GHz band, 5.3GHz band and 5.6G band.

Test Methodology

DSPP 5GHz 帯小電力データ通信システムの特性試験方法

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen, Guangming) to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing according to Japan item 19-3 of Article 2 Paragraph 1.

Choose the power board 1 for testing.

EUT Exercise Software[#]

Software “adb shell” was used during testing, which was provided by the manufacturer.

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
LENOVO	Laptop	ThinkPad x240	SL10F31638JS
Grandstream Networks, Inc.	Router	GWN7665	C074AB240E1B

External I/O Cable

Cable Description	Shielding Type	Length (m)	From Port	To
USB Cable	No	1.5	EUT	Laptop
RF cable	Yes	0.5	EUT	Spectrum
AC Cable	No	1.22	EUT	AC Mains

SUMMARY OF TEST RESULTS

DSPR 5GHz 帯小電力データ通信システムの特性試験方法, Article 2, Paragraph 1, Item 19-3 Rules Section

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
Channel shutdown	Channel Move Time	Compliance
	Channel Closing Transmission Time	Compliance
	Non-Occupancy Period	Not Applicable
Radar Detection	Statistical Performance Check	Not Applicable

Note: EUT is client device without radar detection.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Authority	Calibration Method
Rohde & Schwarz	Spectrum Analyzer	FSV-40	101495	2026/05/07	2027/05/06	BACL Cal	C
Rohde & Schwarz	Vector Signal Generator	SMBV100A	260434	2026/05/07	2027/05/06	BACL Cal	C
Rohde & Schwarz	Open Switch and Control Unit	OSP120+OSP-B157	101244+100866	2026/05/07	2027/05/06	BACL Cal	C
WEINSCHTEL	10dB Attenuator	5324	AU 3842	2026/01/20	2027/01/19	BACL Cal	C
Agilent	10dB Attenuator	8491B	A5825	2026/05/07	2027/05/06	BACL Cal	C
etosource	AC POWER SOURCE	ES-CPF-SD20K300	EO20230727001	NCR	NCR	/	D
Fluke	Multimeter	15B+	3778819WS	2026/01/20	2027/01/19	BACL Cal	C

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen, Guangming) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Note

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from A to C.

APPLICABLE STANDARDS

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

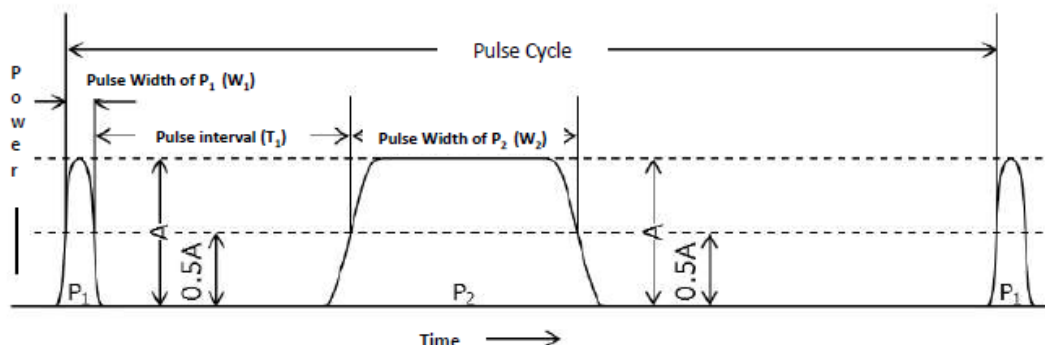
Table 4: Parameters of DFS Test Signals for 5250-5350 MHz

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

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

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

*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 μ s ("50 μ s"or"width which added the integral multiple of 1 μ s to 50 μ s")	500Hz $\leq$ X $\leq$ 1,000Hz (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 $\leq$ 20MHz ("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 $\leq$ 5724MHz ("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"

Test Procedure

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time.

● Radar Waveform Calibration

Datapackage streamed from the Access Point to the Client using the software "LanTest".

● Channel Move Time and Channel Closing Transmission Time

Perform the type 1 pulse radar waveform for testing.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = $N * \text{Dwell Time}$

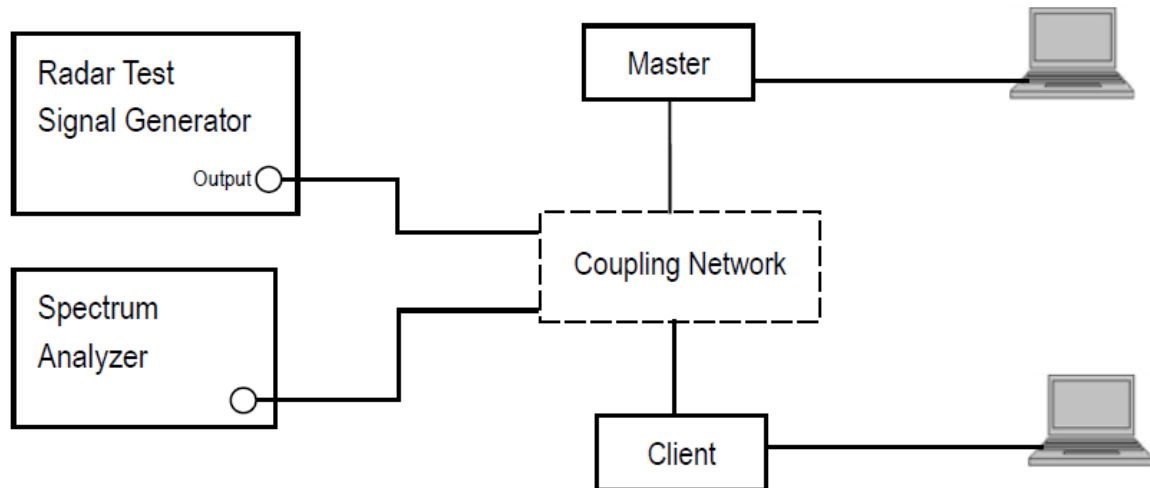
N is the number of spectrum analyzer bins showing a device transmission Dwell Time is the dwell time per bin (i.e. $\text{Dwell Time} = S/B$, S is the sweep time and B is the number of bin, i.e. 8192)

MEASUREMENT SYSTEM

DFS Measurement System

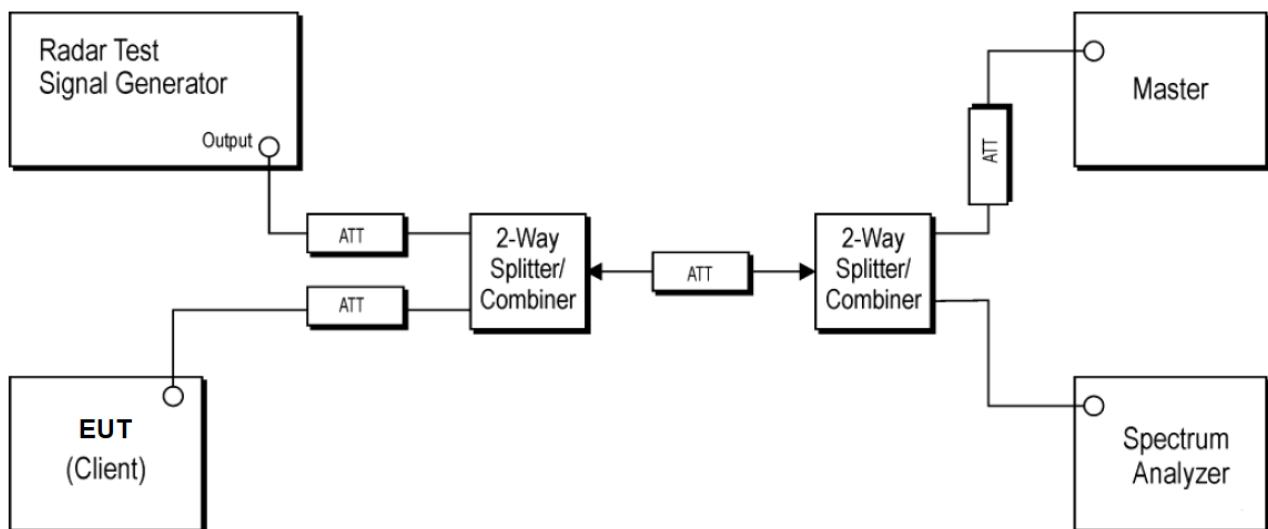
DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

System Block Diagram

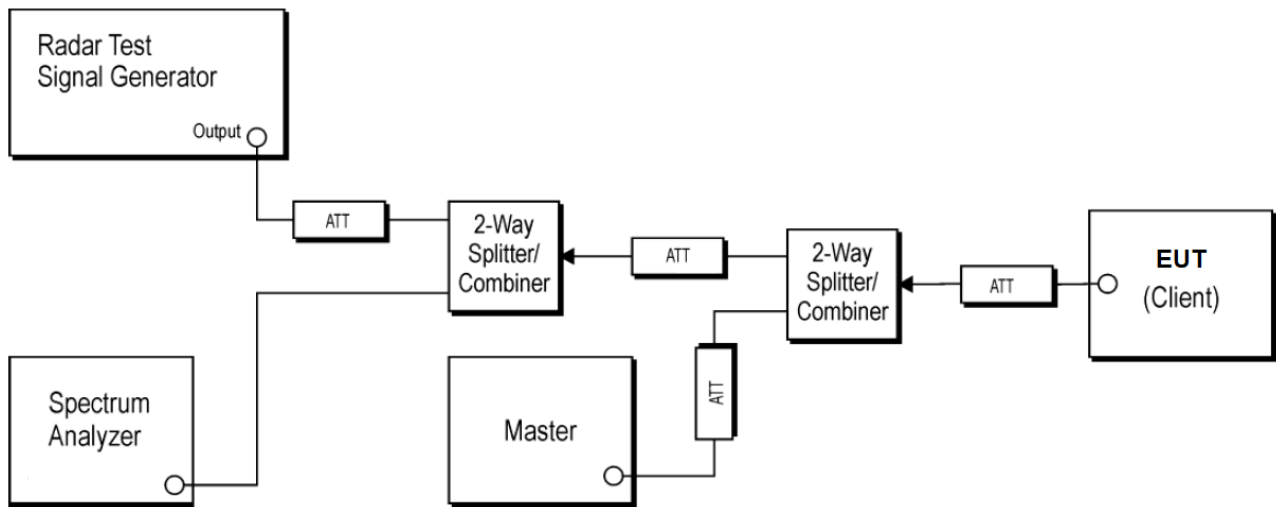


Conducted Method

● Setup for Client with injection at the Master



●Setup for Client with injection at the Client



APPENDIX

Test Information:

Sample No.:	3R4H-1	Test Date:	2026/09/01
Test Site:	RF	Test Mode:	Traffic
Tester:	Steve Lu	Test Result:	Pass

Environmental Conditions:

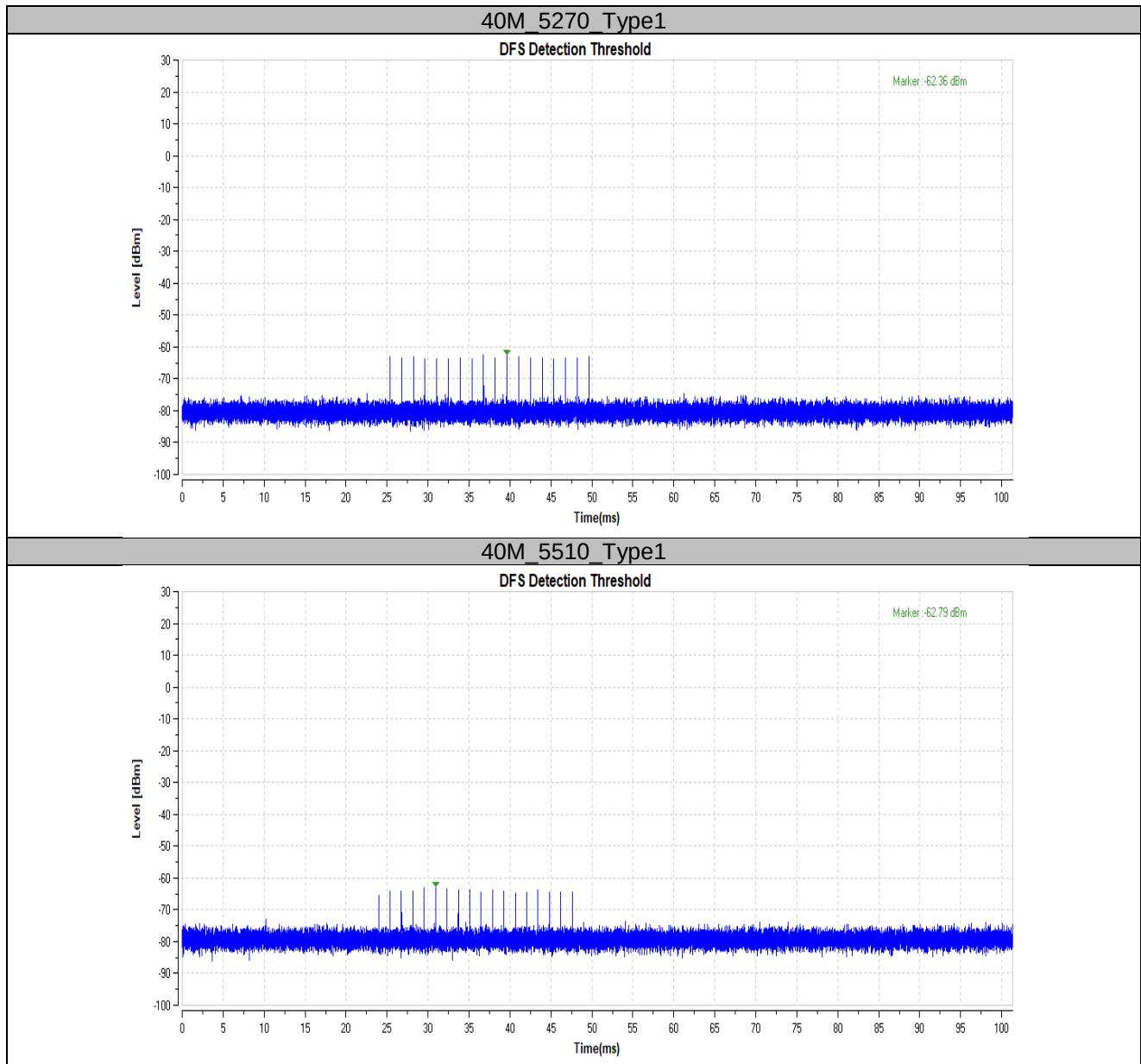
Temperature: (°C)	24.5	Relative Humidity: (%)	48	ATM Pressure: (kPa)	99.2
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Appendix A: DFS Detection Thresholds

Test Result

Test Mode	Frequency[MHz]	Radar Type	Result[dBm]	Limit[dBm]	Verdict
40M	5270	Type1	-62.36	-62.00	PASS
	5510	Type1	-62.79	-62.00	PASS

Test Graphs



Appendix B: Channel Move Time and Channel Closing Transmission Time**Test Result**

Test Mode	Frequency[MHz]	Radar Type	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX40SISO	5270	Type1	8.64	260	964.6	10000	PASS
	5510	Type1	8.64	260	938	10000	PASS

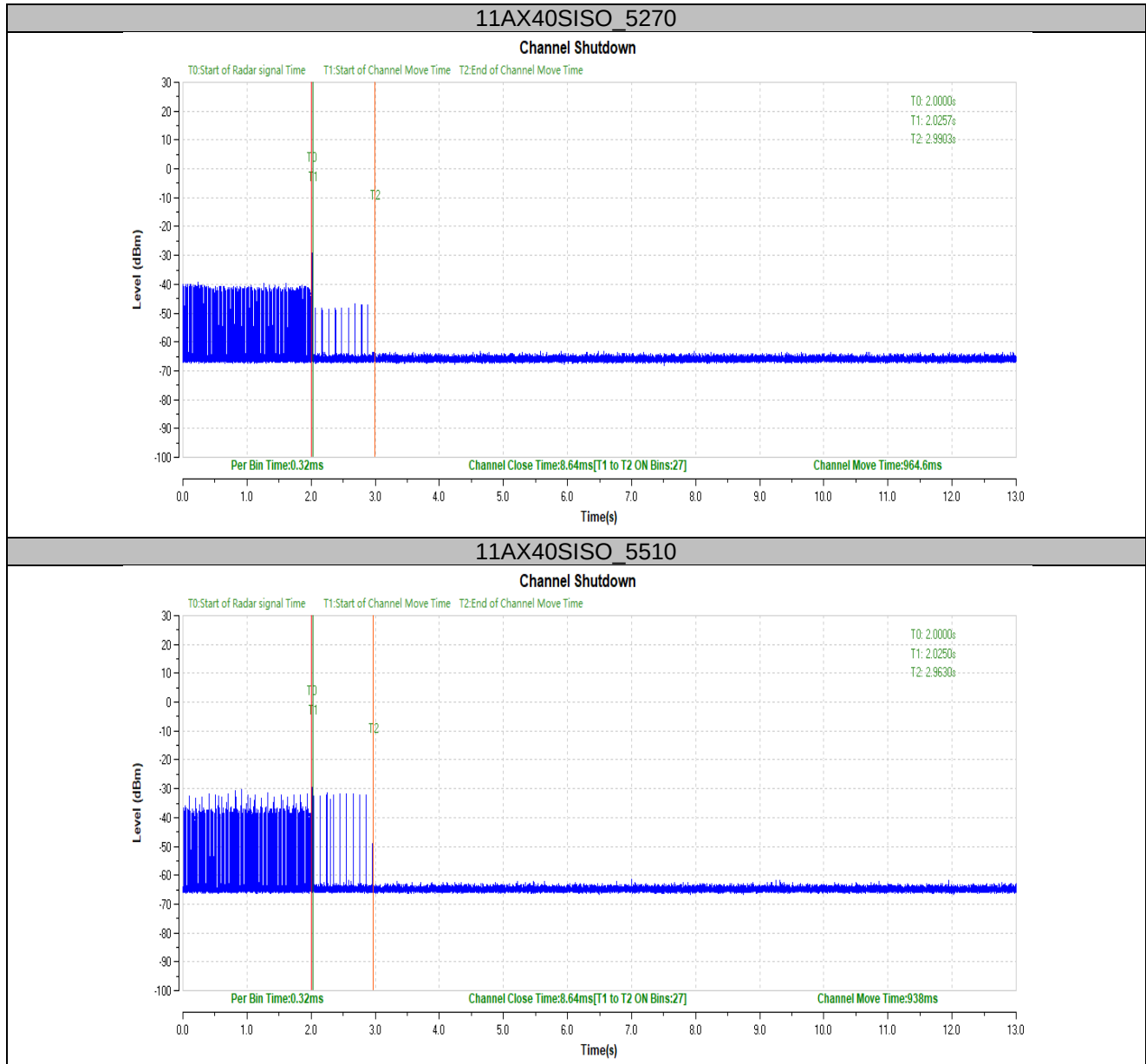
Test Graphs

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2604V73211E-RF EUT External Photos and Attachment No.2 2604V73211E-RF EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.3 2604V73211E-RF Test Photos.

***** END OF REPORT *****