

FCC PART 15.407

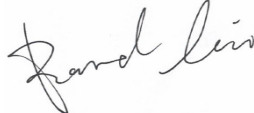
TEST REPORT

For

Beijing Wiseasy Technology CO., Ltd.

Room 2701-01, 24th Floor, Building 1, No. 16 Guangshun South Street, Chaoyang District, Beijing, China

FCC ID: 2AXOJ-P5PRO

Report Type: Original Report	Product Name: EMV Android POS
Report Number: RKSA260311002-00F	
Report Date: 2026-04-30	
Reviewed By:	 Bard Liu
Approved By:	 Kyle Xu
Test Laboratory: Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn	

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260311002-00F	R1V1	2026-04-30	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Beijing Wiseasy Technology CO., Ltd.		
Tested Model:	P5-PRO		
Product Name:	EMV Android POS		
Power Supply:	DC 5V from adapter or DC 7.4V from battery		
Operating Frequency:	B2: 5250-5350 MHz, B3: 5470-5725 MHz		
Maximum Output Power:	Mode:	Band 2:	Band 3:
	802.11a:	17.04 dBm	14.14 dBm
	802.11ac20:	16.85 dBm	14.53 dBm
	802.11ac40:	13.73 dBm	12.66 dBm
	802.11ac80:	11.72 dBm	11.01 dBm
Channel Number:	B2: 7; B3: 21		
Channel Separation	802.11a/n20/ac20: 20 MHz; 802.11n40/ac40: 40 MHz, 802.11ac80: 80 MHz		
Modulation Type:	OFDM		
Antenna Type:	FPC antenna		
★Maximum Antenna Gain:	Band 2: -0.47 dBi; Band 3: -0.52 dBi		
Sample/EUT Status	Good condition		

Adapter Information:

Model: TPA-418G050200UU01

Input: 100-240V, 50/60Hz, 0.3A

Output: 5.0V, 2.0A, 10.0W

Note: The maximum antenna gain was declared by the manufacturer.

All measurement and test data in this report was gathered from production sample serial number: RKSA260311002-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-03-11.)

Objective

This type approval report is prepared for *Beijing Wiseasy Technology CO., Ltd.* in accordance with This test report is in accordance with Part 2-Subpart J, Part 15-Subparts E of the Federal Communications Commission's rules.

The objective is to determine compliance with FCC Part 15, Subpart E, section 15.407 Dynamic Frequency Selection (DFS) for devices operating in the bands 5250-5350 MHz and 5470-5725 MHz.

Test Methodology

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Item	Uncertainty
Occupied Bandwidth	0.5kHz
Temperature	1.0°C
Humidity	6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

Equipment Modifications

No modifications were made to the EUT.

EUT Exercise Software

No exercise software was used to test.

The worst case was performed under:

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
Ruckus	Access Point	T300 (FCC ID: S9GT300)	211404000213

External I/O Cable

Cable Description	Length(m)	From Port	To Port
RJ45	2.0	Notebook	Access Point

SUMMARY OF TEST RESULTS

The following result table represents the list of measurements required under the CFR §47 Part 15.407(h), KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

Items	Description of Test	Result
Detection Bandwidth	UNII Detection Bandwidth	Not Applicable (See Note 1)
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Not Applicable (See Note 1)
	Radar Burst at the Beginning of the CAC	Not Applicable (See Note 1)
	Radar Burst at the End of the CAC	Not Applicable (See Note 1)
In-Service Monitoring	Channel Move Time	Compliant
	Channel Closing Transmission Time	Compliant
	Non-Occupancy Period	Compliant
Radar Detection	Statistical Performance Check	Not Applicable (See Note 1)

Note 1: EUT is a client without radar detection.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	SIGNAL ANALYZER	FSV40	101116	2026-03-16	2027-03-15
Rohde & Schwarz	VECTOR SIGNAL GENERATOR	SMBV100A	261558	2026-03-13	2027-03-12
Tonscend Corporation	RF Control Unit	JS0806-2	24C80620830	2026-03-16	2027-03-15
Tonscend Corporation	RF Test System	JS1120-3	N/A	N/A	N/A
Eastsheep	Attenuator	2W-N-JK-18G	20dB-01	2026-03-13	2027-03-12
Eastsheep	Attenuator	2W-N-JK-18G	20dB-02	2026-03-13	2027-03-12

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

APPLICABLE STANDARDS

DFS Requirement

CFR § 47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

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 $\geq$ 200 milliwatt	-64 dBm
EIRP $<$ 200 milliwatt and power spectral density $<$ 10 dBm/MHz	-62 dBm
EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U- NII 99% transmission power bandwidth. See Note 3.
Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> 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 <i>U-NII Detection Bandwidth</i> 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.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See 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 in Test A	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{SEC}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

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

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

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

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

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

Table 7 – Frequency Hopping Radar Test Waveform

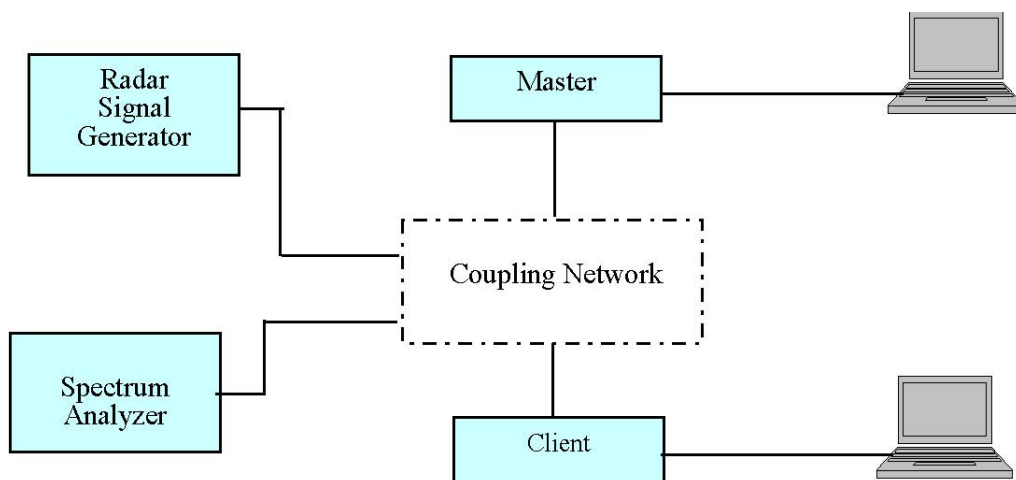
Radar Type	Pulse Width (μ sec)	PRI (μ sec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

DFS Measurement System

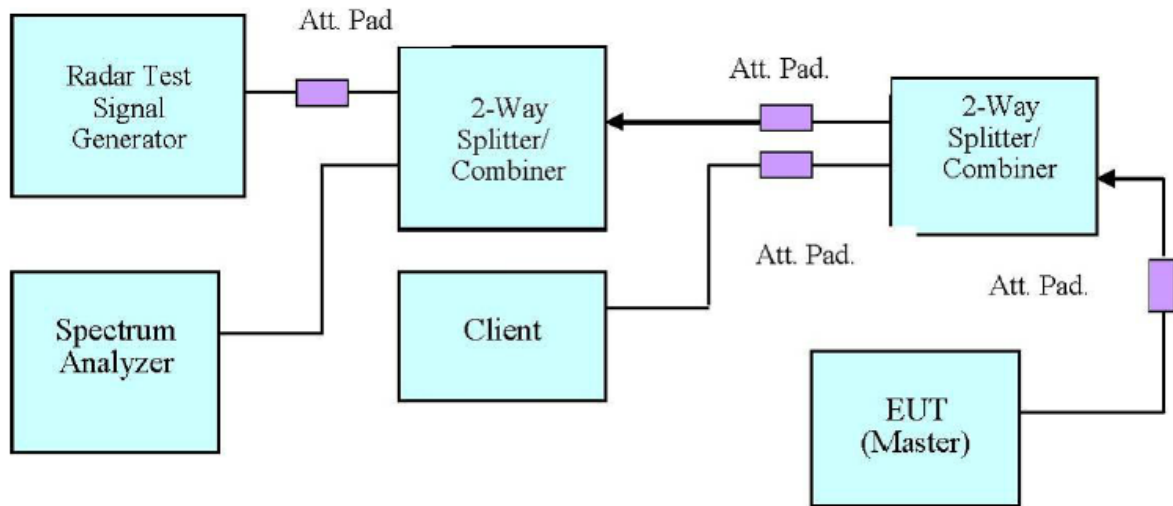
DFS measurement system consists of two subsystems:

- (1) The radar signal generating subsystem and
- (2) The traffic monitoring subsystem.

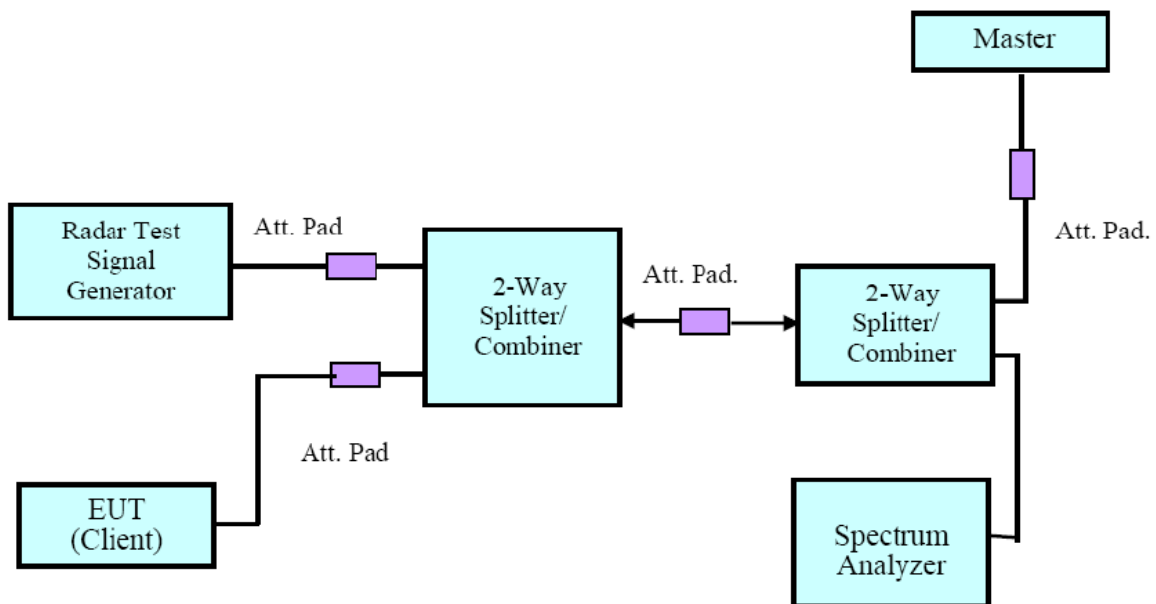
System Block Diagram



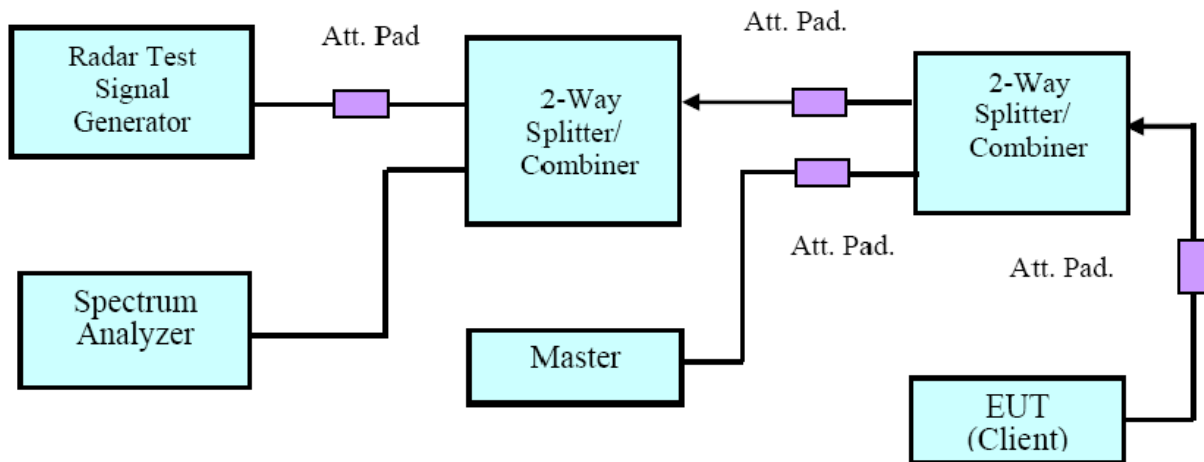
Conducted Method



Setup for Master with injection at the Master

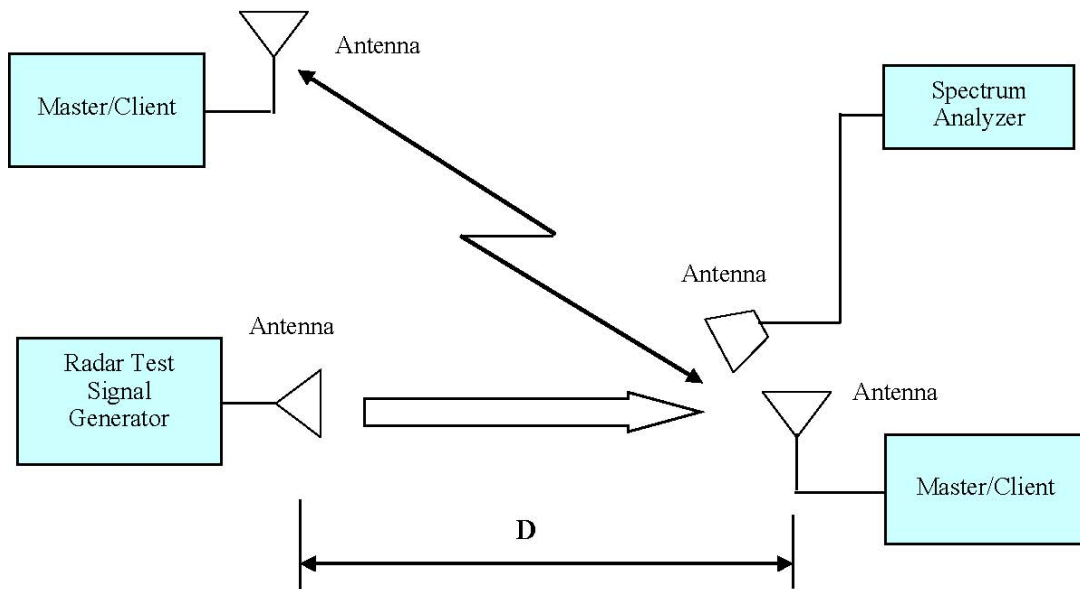


Setup for Client with injection at the Master



Setup for Client with injection at the Client

Radiated Method



Test Procedure

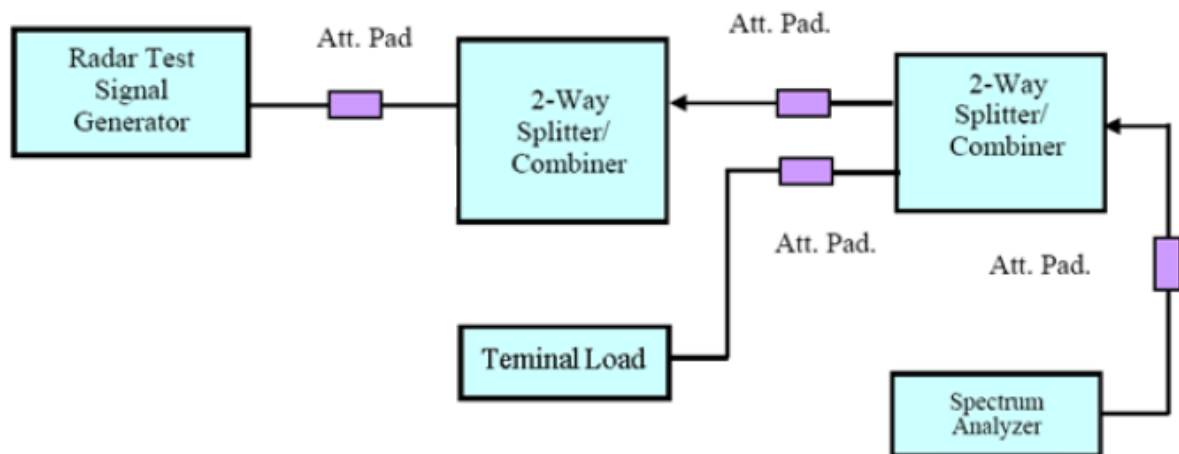
A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move.

APPLICABLE STANARDS

Description of EUT

The calibrated radiated DFS detection threshold level is set to -62 dBm.

Radar Waveform Calibration



Test Data: See Appendix

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

Description of EUT

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. Repeat using a long pulse radar type5 waveform.

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.

The aggregate channel closing transmission time is calculated as follows:

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

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

Test Data: See Appendix

NON-OCCUPANCY PERIOD

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)

Test Data: See Appendix

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT G - TEST SETUP PHOTOGRAPHS.

APPENDIX - TEST DATA

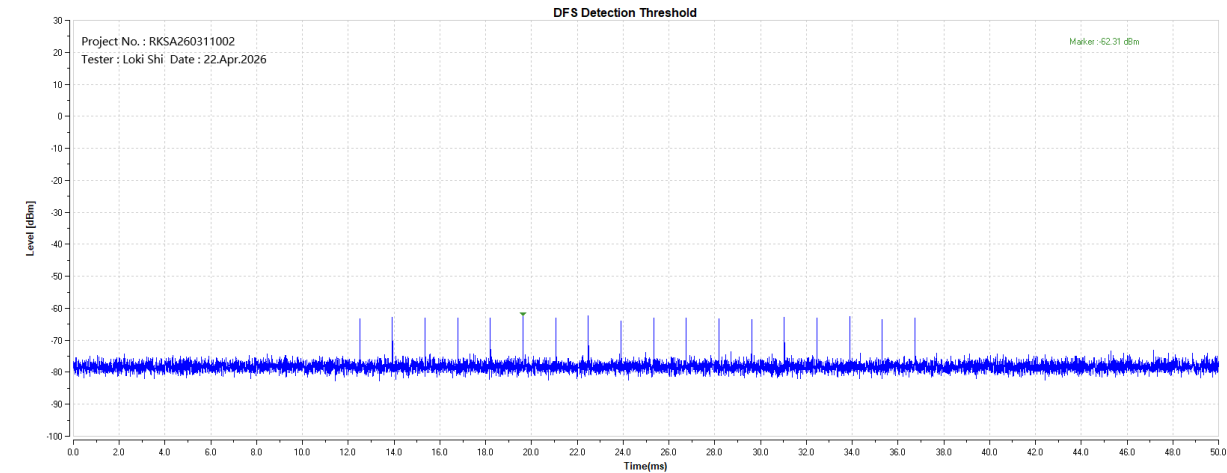
DFS DETECTION THRESHOLDS

Environmental Conditions & Test Information

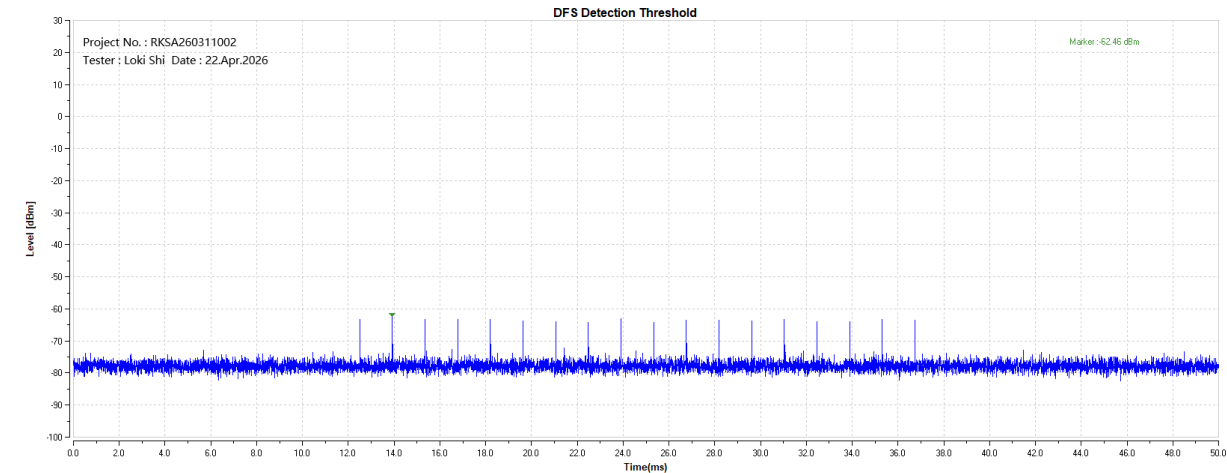
Temperature:	20°C
Relative Humidity:	50 %
ATM Pressure:	102.5 kPa
Test Date:	2026-04-22
Test Engineer:	Loki Shi

Test Mode	Frequency(MHz)	Radar Type	Result (dBm)	Limit (dBm)	Verdict
5250-5350 MHz: 80 MHz	5290	Type0	-62.31	-62.00	Pass
5470-5725 MHz: 80 MHz	5530		-62.46	-62.00	Pass

5290 MHz Bandwidth 80 MHz



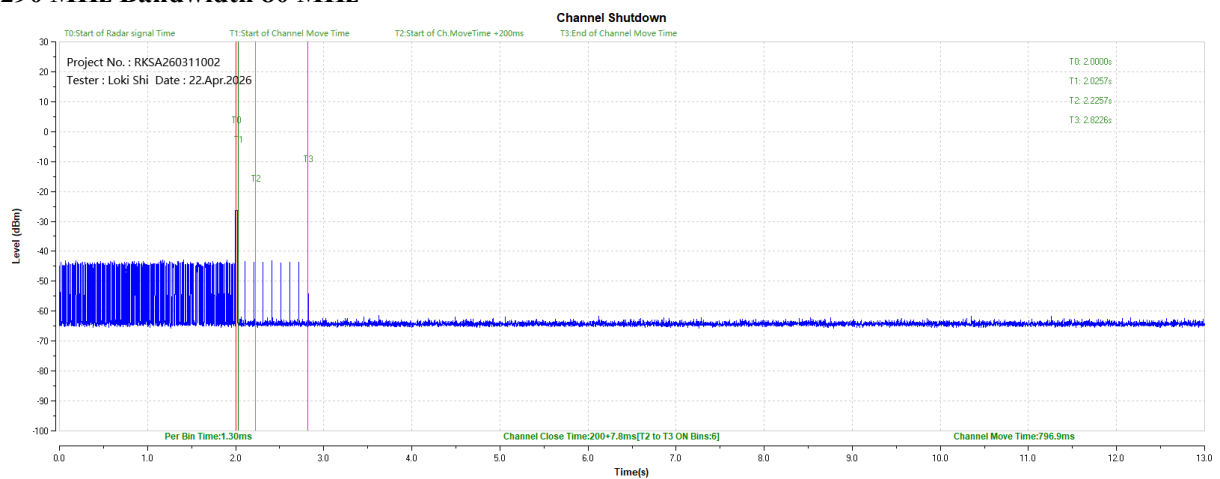
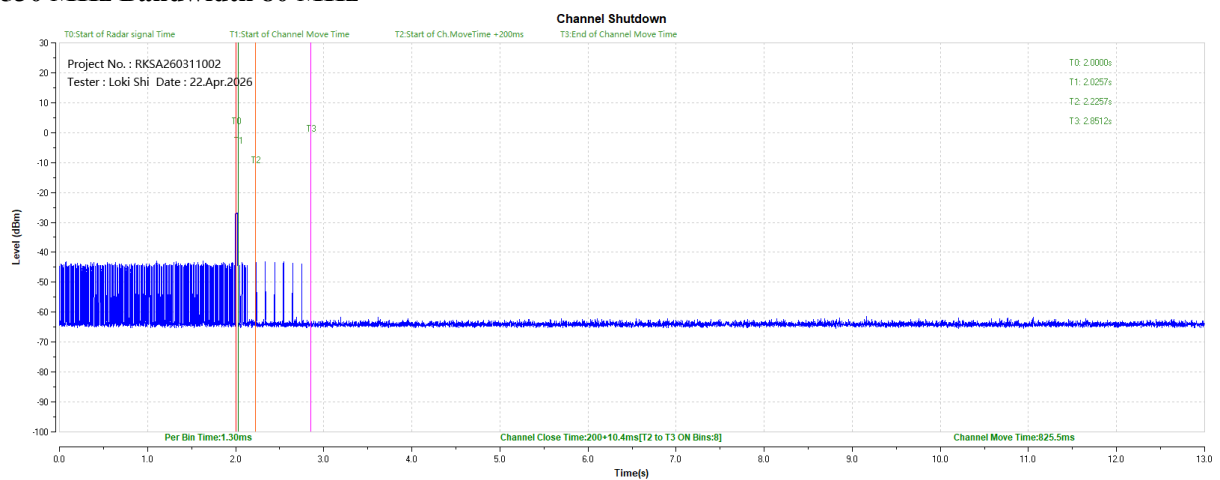
5530 MHz Bandwidth 80 MHz



CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME**Environmental Conditions & Test Information**

Temperature:	20°C
Relative Humidity:	50 %
ATM Pressure:	102.5 kPa
Test Date:	2026-04-22
Test Engineer:	Loki Shi

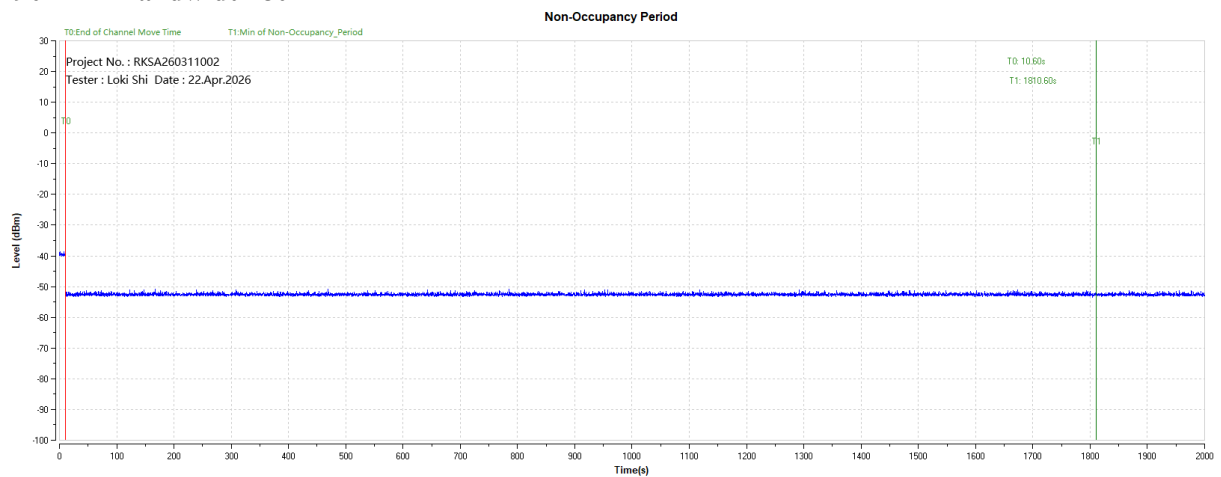
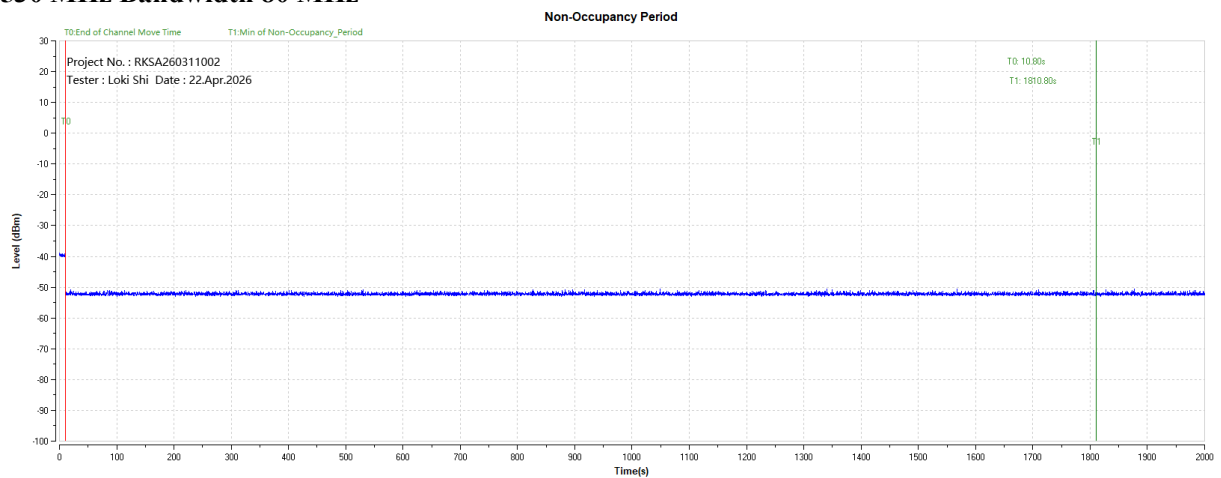
Test Mode	Frequency(MHz)	CCTT (ms)	Limit (ms)	CMT (ms)	Limit (ms)	Verdict
5250-5350 MHz: 80 MHz	5290	200+7.8	200+60	796.9	10000	PASS
5470-5725 MHz: 80 MHz	5530	200+10.4	200+60	825.5	10000	PASS

5290 MHz Bandwidth 80 MHz**5530 MHz Bandwidth 80 MHz**

NON-OCCUPANCY PERIOD**Environmental Conditions & Test Information**

Temperature:	20°C
Relative Humidity:	50 %
ATM Pressure:	102.5 kPa
Test Date:	2026-04-22
Test Engineer:	Loki Shi

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
5250-5350 MHz: 80 MHz	5290	see test graph	≥1800	Pass
5470-5725 MHz: 80 MHz	5530	see test graph	≥1800	Pass

5290 MHz Bandwidth 80 MHz**5530 MHz Bandwidth 80 MHz**

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. 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.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

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