

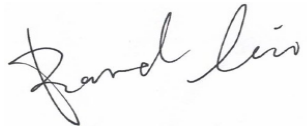
FCC PART 15.247 TEST REPORT

For

Feitian Technologies Co., Ltd.

Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China

FCC ID: ZD3FTF55

Report Type: Original Report	Product Name: Android POS Terminal
Report Number: RKSA260330001-00E	
Report Date: 2026-06-05	
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Approved By:	Kyle Xu 
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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	RKSA260330001-00E	R1V1	2026-06-05	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Feitian Technologies Co., Ltd.
Tested Model:	F55
Product Name:	Android POS Terminal
Power Supply:	DC 5V from Adapter or DC 3.7V from battery
Maximum Output Power:	GFSK: -12.63 dBm $\pi/4$ -DQPSK: -10.38 dBm 8DPSK: -9.97 dBm
RF Function:	Classic BT
Operating Band/Frequency:	2402-2480 MHz
Channel Number:	79
Channel Separation:	1 MHz
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
★Maximum Antenna Gain:	2.17 dBi

Adapter Information:

Model: TEKA-UCA10US

Input: AC 100-240V, 50/60Hz, 0.2A MAX

Output: DC 5.0V, 1.0A

Note:

1. The maximum antenna gain was declared by the manufacturer.

2. The EUT has two configurations, per FCC part 15B report, we tested the DuoPOS which is worst, the difference between two configurations as below:

Configurations	DuoPOS	SoftPOS
Model:F55		
HW ID	F55_05_S11_00	F55_05_G12_00
Speaker	8Ω1W	8 Ω 3W
Display	3.2 Inch LCD, 1.7 Inch LCD	3.2 Inch LCD
Camera	Yes	Yes
Status indicator	LCD indicator	LCD indicator
Key	Power/ 1/2/3/4/5/6/7/8/9/0/≡ /↑/↓/X/←/→	Power
IC Card Reader	Yes	No

All measurement and test data in this report was gathered from production sample serial number: RKSA260330001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-03-30.)

Objective

This test report is prepared for *Feitian Technologies Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine Compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and 558074 D01 15.247 Meas Guidance v05r02.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
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

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	27	2429	54	2456
1	2403	28	2430	55	2457
2	2404	29	2431	56	2458
3	2405	30	2432	57	2459
4	2406	31	2433	58	2460
5	2407	32	2434	59	2461
6	2408	33	2435	60	2462
7	2409	34	2436	61	2463
8	2410	35	2437	62	2464
9	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454	/	/
26	2428	53	2455	/	/

EUT was tested with Channel 0, 39 and 78.

EUT Exercise Software

RF Test Tool: ADB

★Power level: 5

Note: The power level was declared by the applicant.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

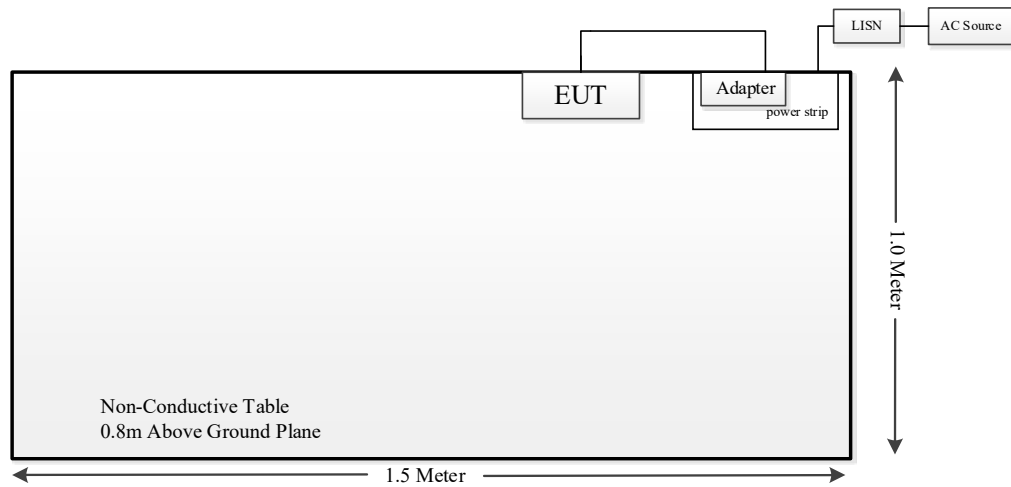
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
SHENZHEN TEKA TECHNOLOGY CO.,LTD.	Adapter	TEKA-UCA10US	/
/	Power strip	/	/

External I/O Cable

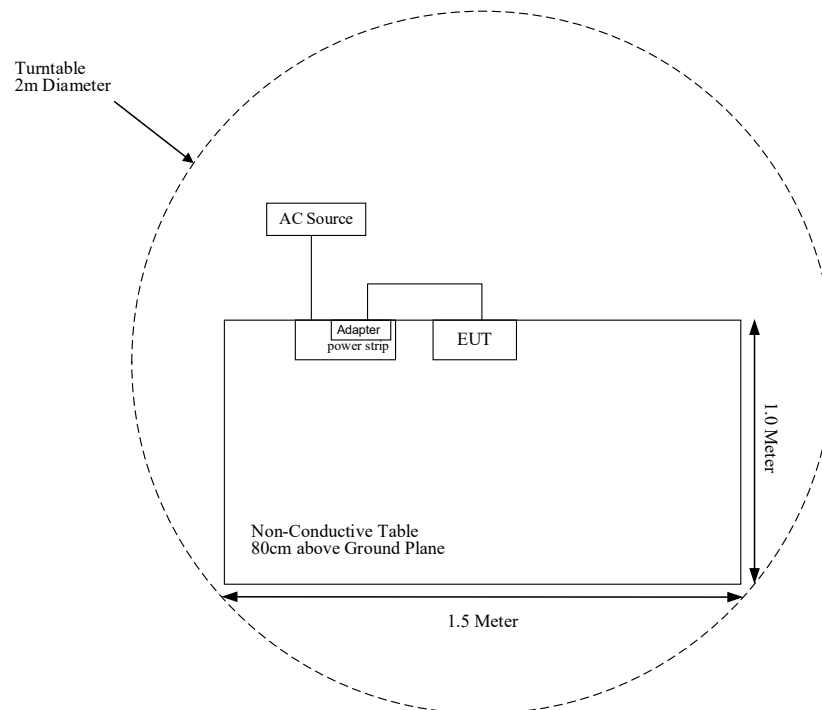
Cable Description	Length (m)	From Port	To Port
Power Cable	1.0	AC Source/LISN	Adapter
USB Cable 1	0.5	Adapter	EUT
USB Cable 2	1.2	EUT	Notebook

Block Diagram of Test Setup

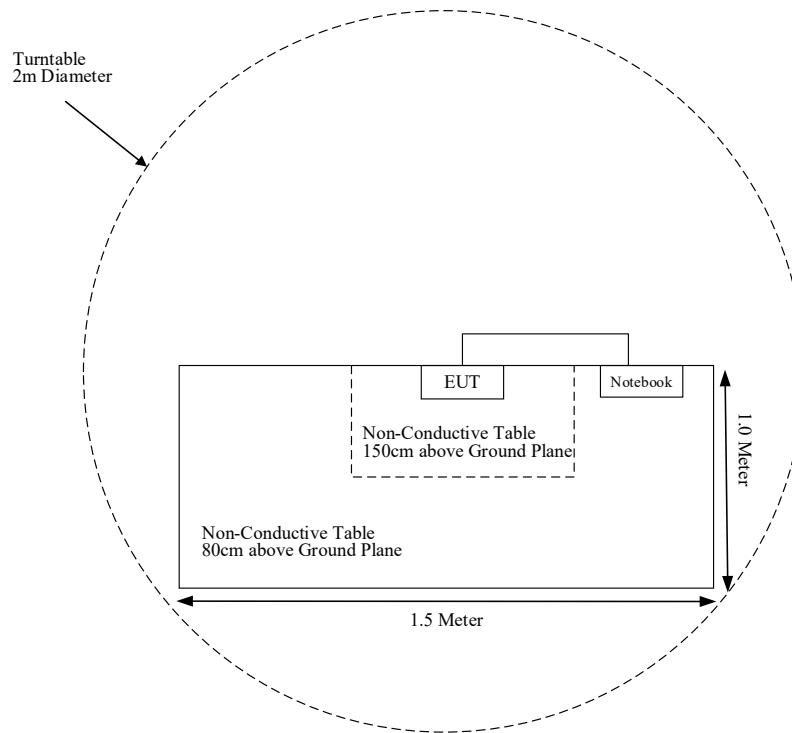
For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1307(b)(1)& §2.1093	RF EXPOSURE	Compliant
§15.203	Antenna Requirement	Compliant
§15.207(a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209 & §15.247(d)	Radiated Emissions & Restricted Bands Emissions	Compliant
§15.247(a)(1)	20 dB Emission Bandwidth	Compliant
§15.247(a)(1)	Channel Separation Test	Compliant
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliant
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliant
§15.247(b)(1)	Peak Output Power Measurement	Compliant
§15.247(d)	Band edges & Conducted Spurious Emission	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2026-03-13	2027-03-12
Sunol Sciences	Broadband Antenna	JB3	A090314-2	2024-10-29	2027-10-28
Narda	6dB Attenuator	773-6	10690812-2-1	2024-10-29	2027-10-28
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
Sonoma Instrument	Pre-amplifier	310N	171205	2026-03-13	2027-03-12
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2026-03-16	2027-03-15
EMCO	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
A.H.Systems, inc	Amplifier	PAM-0118P	512	2026-03-16	2027-03-15
SELECTOR	Amplifier	EM18G40G	060726	2026-03-16	2027-03-15
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2026-04-08	2027-04-07
Narda	Attenuator	10dB	010	2026-03-13	2027-03-12
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-11	011	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-12	012	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-13	013	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-25	025	2026-03-12	2027-03-11
JUNFLON	Cable	Cable-27	AUG-07-15-042	2026-03-16	2027-03-15

RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2026-03-16	2027-03-15
Narda	Attenuator	10dB	010	2026-03-13	2027-03-12
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2026-03-13	2027-03-12
Rohde & Schwarz	LISN	ENV216	101115	2026-03-12	2027-03-11
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2026-04-08	2027-04-07
MICRO-COAX	Coaxial Cable	Cable-15	015	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).

FCC §1.1307(b) & §2.1093 - RF EXPOSURE

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] [\sqrt{f(\text{GHz})}]$

≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

Mode	Frequency Range (MHz)	★Max Tune-up Conducted Power		Calculated Distance (mm)	Calculated Value	Threshold (1-g SAR)	SAR Test Exclusion
		(dBm)	(mW)				
Classic BT	2402-2480	-9	0.13	5.0	0.04	3.0	Yes

Note: For the above tune up power were declared by the manufacturer.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine Compliant with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT have an FPC antenna which permanently attached to the unit. Fulfill the requirement of this section. Please refer to the EUT photos.

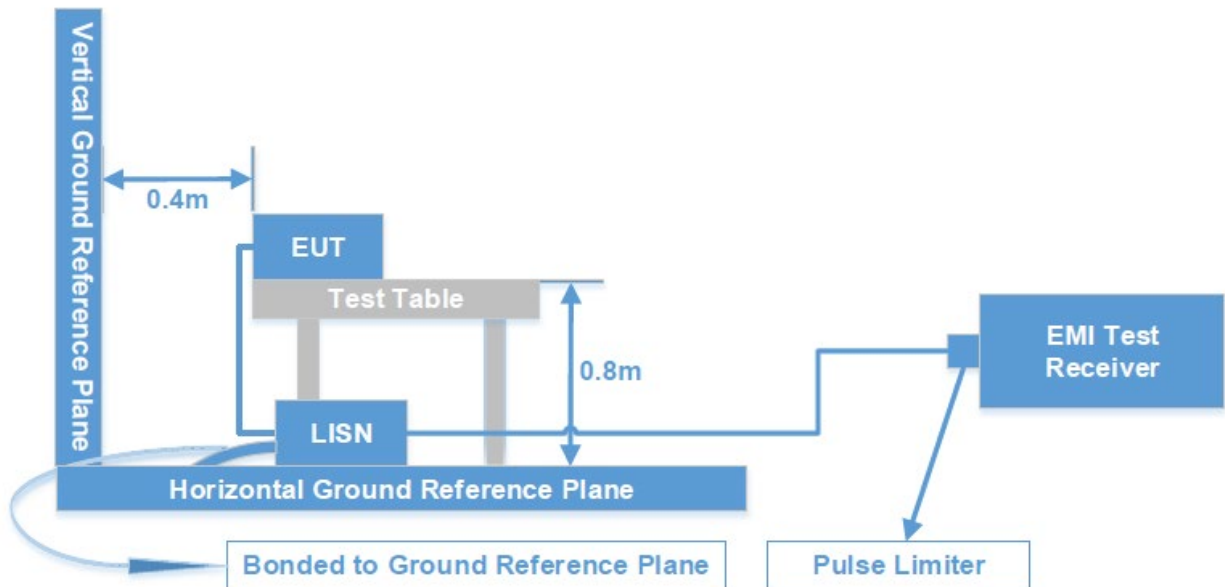
Result: Compliant.

FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

Test System Setup



The measurement procedure of EUT setup is according with ANSI C63.10-2020. The related limit was specified in FCC Part 15.207.

EMI Test Receiver Setup

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW
150 kHz - 30 MHz	9 kHz

Test Procedure

ANSI C63.10-2020 clause 6.2

During the conducted emission test, the EUT or adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Level (dB}\mu\text{V)} &= \text{Read level (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

$$\text{Over Limit (dB)} = \text{Level (dB}\mu\text{V)} - \text{Limit (dB}\mu\text{V)}$$

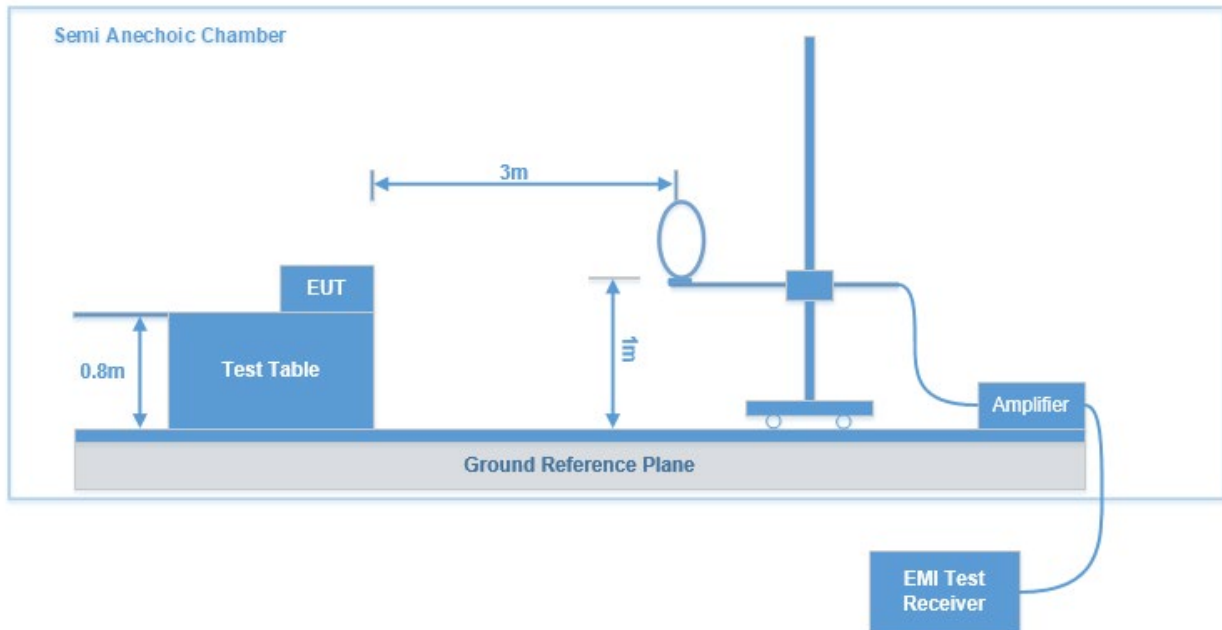
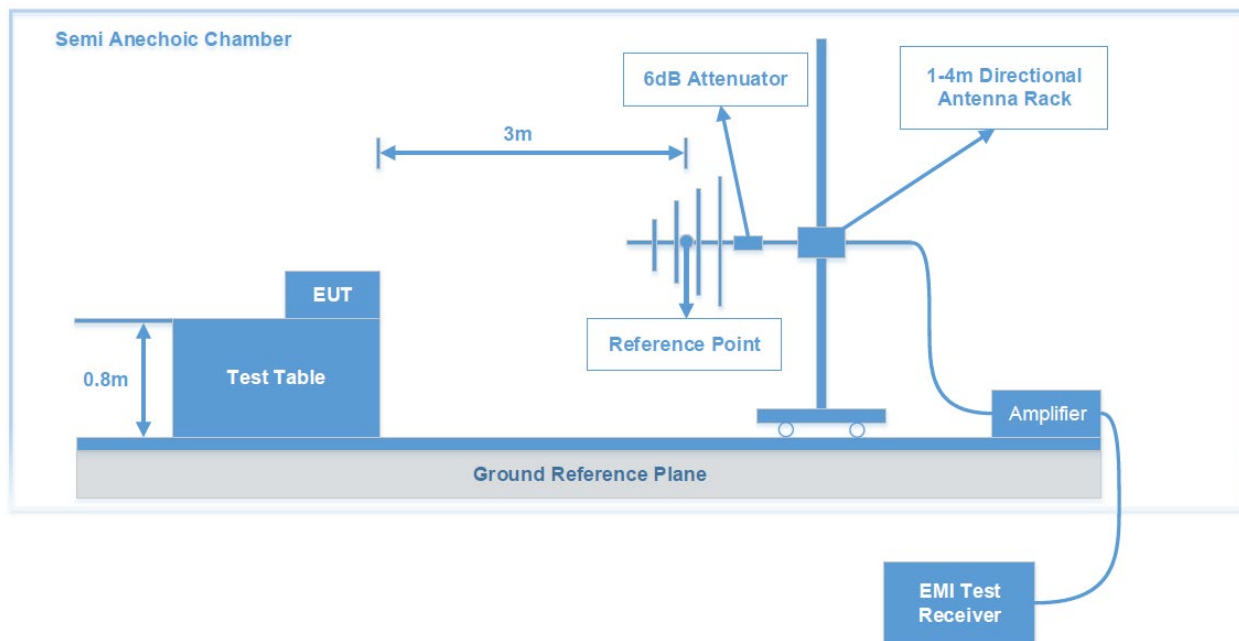
Test Results Summary

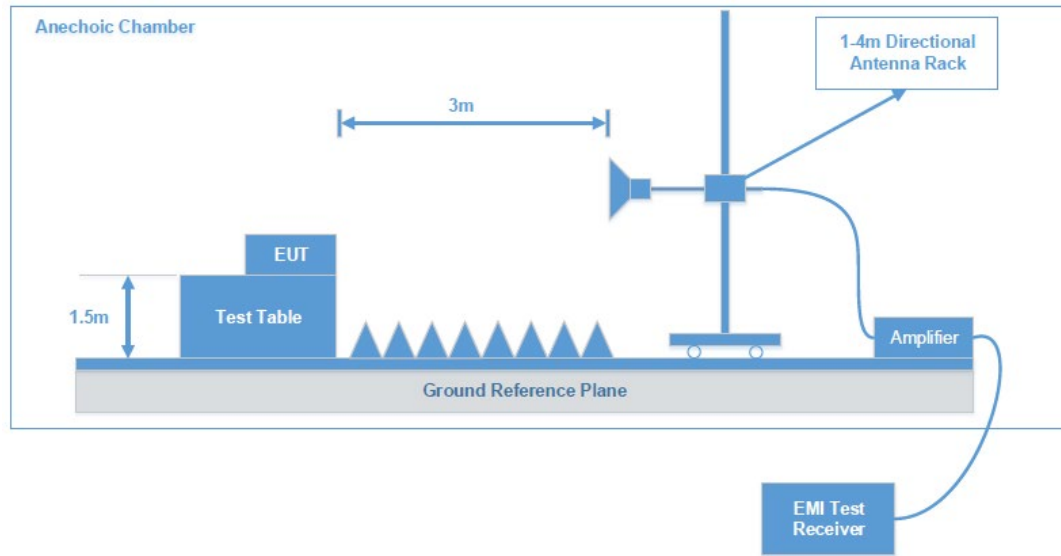
According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data: See Appendix

FCC §15.205, §15.209 & §15.247(d) – RADIATED EMISSIONS**Applicable Standard**

FCC §15.205; §15.209; §15.247(d)

Test System Setup**9 kHz - 30 MHz:****30 MHz - 1 GHz:**

Above 1 GHz:

The radiated emission tests were performed in the 3 meters, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209 and FCC 15.247 limits.

EMI Test Receiver Setup

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Measurement	Detector
9 kHz – 150 kHz	200 Hz	1 kHz	200 Hz	Peak/QP/Average	Peak/QP/Average
150 kHz – 30 MHz	9 kHz	30 kHz	9 kHz	Peak/QP/Average	Peak/QP/Average
30 MHz – 1000 MHz	100 kHz	300 kHz	/	Peak	Peak
	/	/	120 kHz	QP	QP
Above 1GHz	1MHz	3 MHz	/	Peak	Peak
	1MHz	3 MHz	/	Average	Average

Test Procedure

According to ANSI C63.10-2020 clause 6.4, 6.5 and 6.6.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude (dB}\mu\text{V/m)} = \text{Meter Reading (dB}\mu\text{V)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Corrected Amplitude (dB}\mu\text{V/m)}$$

Note: The QuasiPeak (dB μ V/m), MaxPeak (dB μ V/m), Average (dB μ V/m) which shown in the data table are all Corrected Amplitude.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Test Data: See Appendix

FCC §15.247(a) (1)-CHANNEL SEPARATION TEST

Applicable Standard

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

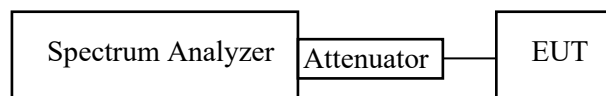
Test Procedure

According to ANSI C63.10-2020 sub-clause 7.8.2

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

- Span: Wide enough to capture the peaks of two adjacent channels.
- RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
- Video (or average) bandwidth (VBW) $\geq$ RBW.
- Sweep: Auto.
- Detector function: Peak.
- Trace: Max hold.
- Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Datd: See Appendix

FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH

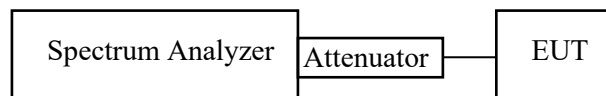
Applicable Standard

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Test Procedure

According to ANSI C63.10-2020 sub-clause 6.9.2

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Datd: See Appendix

FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST

Applicable Standard

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

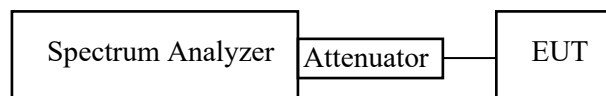
Test Procedure

According to ANSI C63.10-2020 sub-clause 7.8.3

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

- a. Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
- b. RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
- c. VBW $\geq$ RBW.
- d. Sweep: Auto.
- e. Detector function: Peak.
- f. Trace: Max hold.
- g. Allow the trace to stabilize.

It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Datd: See Appendix

FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWEELL TIME)

Applicable Standard

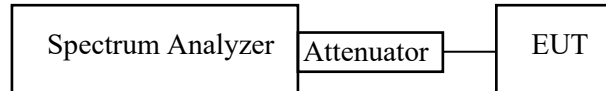
Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

According to ANSI C63.10-2020 sub-clause 7.8.4

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

- a. Span: Zero span, centered on a hopping channel.
- b. RBW shall be $\leq$ channel spacing and where possible RBW should be set $\geq 1 / T$, where T is the expected dwell time per channel.
- c. Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
- d. Detector function: Peak.
- e. Trace: Max hold.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Datd: See Appendix

FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

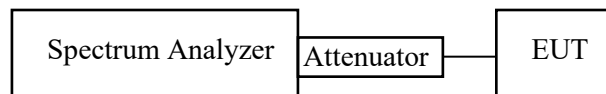
According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. And for all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

Test Procedure

According to ANSI C63.10-2020 sub-clause 7.8.5

a. Use the following spectrum analyzer settings:

- 1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
 - 2) RBW > 20 dB bandwidth of the emission being measured.
 - 3) VBW $\geq$ RBW.
 - 4) Sweep: Auto.
 - 5) Detector function: Peak.
 - 6) Trace: Max hold.
- b. Allow trace to stabilize.
- c. Use the marker-to-peak function to set the marker to the peak of the emission.
- d. The indicated level is the peak output power, after any corrections for external attenuators and cables.
- e. A plot of the test results and setup description shall be included in the test report.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Datd: See Appendix

FCC §15.247(d) - BAND EDGES & CONDUCTED SPURIOUS EMISSION

Band Edges

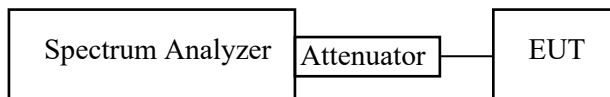
Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates Compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

According to ANSI C63.10-2020 sub-clause 7.8.7

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Conducted Spurious Emission

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

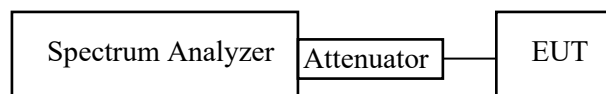
Test Procedure

Test Method: ANSI C63.10-2020 Clause 7.8.7.1

To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers. Frequency hopping shall be disabled for this test with the exception of measurements at the allocated band-edges which shall be repeated with hopping enabled.

Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps. The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector.

The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be provided.



Note: Offset (13dB) = Attenuator (10dB) + Cable Loss (3.0dB)

Test Datd: See Appendix

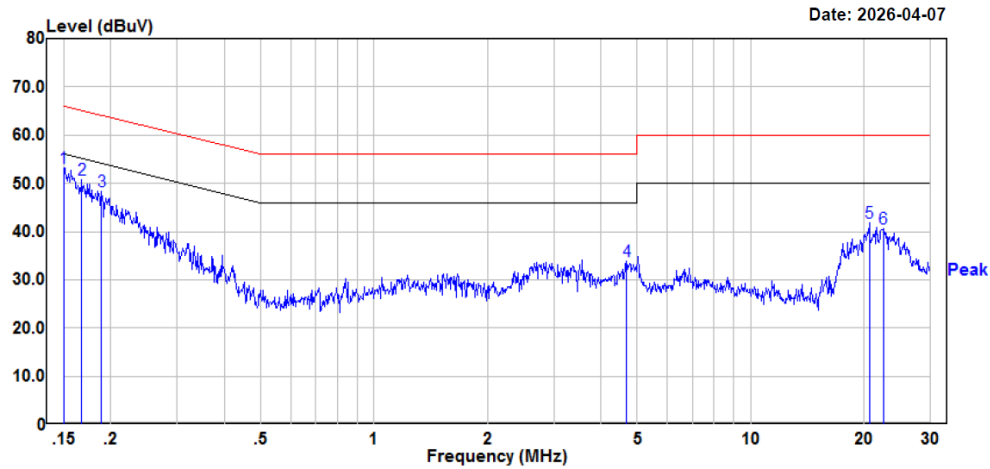
APPENDIX - TEST DATA

AC LINE CONDUCTED EMISSIONS

Environmental Conditions & Test Information

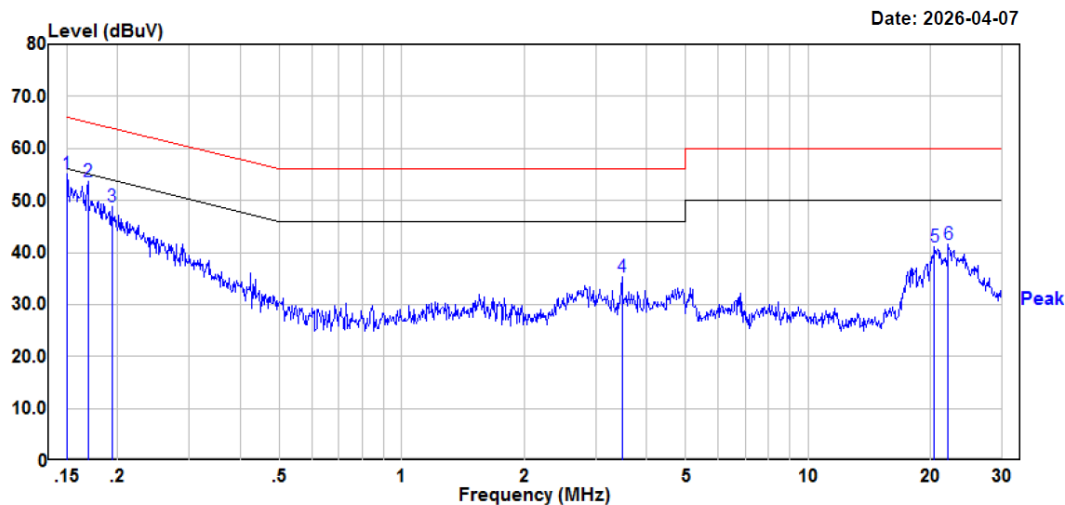
Test Date:	2026-04-07
Temperature:	19.9 °C
Relative Humidity:	45 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Aiden Feng

EUT operation mode: Transmitting in 8DPSK Mode low channel (maximum output power mode)



Site : CE
Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Line
: DET:Peak
Project No. : RKSA260330001
Model : F55
Phase : L
Voltage : 120V/60Hz
Mode : BT
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 19.9℃
Humidity : 45%
Atmospheric pressure: 102.0kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	32.81	20.42	53.23	66.00	-12.77	Peak
2	0.167	30.29	20.44	50.73	65.09	-14.36	Peak
3	0.189	27.93	20.47	48.40	64.10	-15.70	Peak
4	4.674	13.75	20.14	33.89	56.00	-22.11	Peak
5	20.643	21.43	20.51	41.94	60.00	-18.06	Peak
6	22.468	20.15	20.57	40.72	60.00	-19.28	Peak



Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA260330001
 Model : F55
 Phase : N
 Voltage : 120V/60Hz
 Mode : BT
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 19.9°C
 Humidity : 45%
 Atmospheric pressure: 102.0kPa
 Test Engineer : Aiden Feng
 Check by : Bard Liu

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	34.71	20.40	55.11	66.00	-10.89	Peak
2	0.169	33.14	20.41	53.55	65.01	-11.46	Peak
3	0.193	28.52	20.43	48.95	63.89	-14.94	Peak
4	3.483	15.04	20.21	35.25	56.00	-20.75	Peak
5	20.438	20.60	20.52	41.12	60.00	-18.88	Peak
6	22.135	20.96	20.58	41.54	60.00	-18.46	Peak

RADIATED EMISSIONS & RESTRICTED BANDS EMISSIONS**Environmental Conditions & Test Information**

Test Item:	SPURIOUS EMISSIONS			
	9 kHz-30MHz	30 MHz – 1 GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2026-04-08	2026-04-20	2026-04-25	2026-05-13
Temperature:	19.0 °C	20.7 °C	19.8 °C	24 °C
Relative Humidity:	48 %	58 %	50 %	47 %
ATM Pressure:	102.0 kPa	101.7 kPa	101.7 kPa	103.1 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Hugh Wu

EUT operation mode: Transmitting

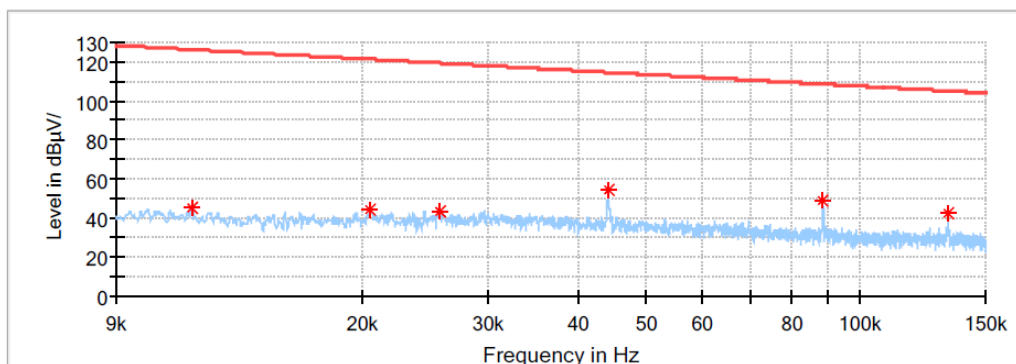
After pre-scan in the X, Y and Z axes of orientation, the worst case is Y axes as below:

9 kHz-150 kHz: (Transmitting maximum output power 8DPSK Mode low channel)
Parallel(worst case)

Low Channel: 2402MHz

Common Information

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT mode low channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	19.0°C
Humidity:	48%
Barometric Pressure:	102.0kPa
Test Engineer:	Scarf Yang
Check by:	Bard liu
Test Date:	2026/4/8



Critical_Freqs

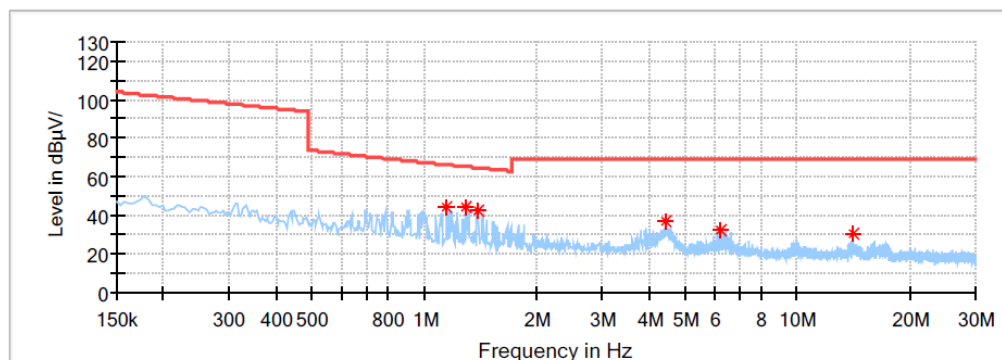
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.011485	44.82	126.37	81.54	Parallel	-0.2
0.020456	44.63	121.38	76.75	Parallel	-0.1
0.025603	43.77	119.43	75.66	Parallel	-0.1
0.044197	54.08	114.69	60.61	Parallel	-2.3
0.088577	49.09	108.65	59.56	Parallel	-7.5
0.132586	42.43	105.16	62.72	Parallel	-9.9

150 kHz – 30MHz: (Transmitting maximum output power 8DPSK Mode low channel)
Parallel(worst case)

Low Channel: 2402MHz

Common Information

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT mode low channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature:	19.0°C
Humidity:	48%
Barometric Pressure:	102.0 kPa
Test Engineer:	Scarf Yang
Check by:	Bard liu
Test Date:	2026/4/8

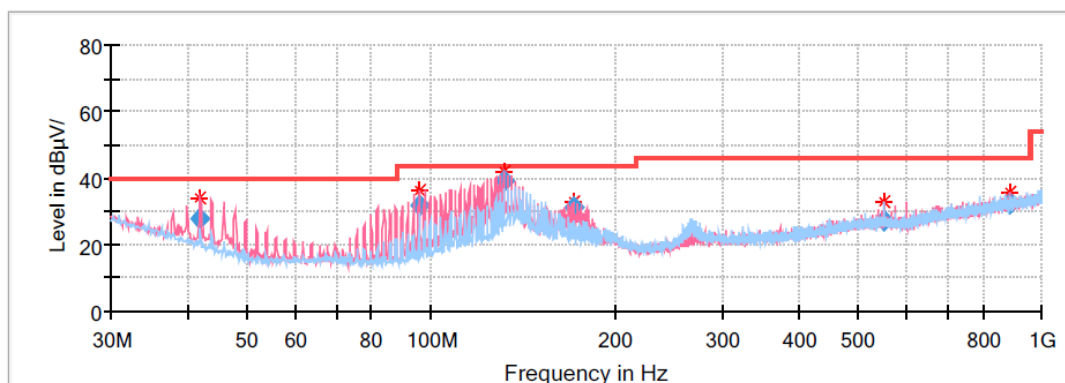


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1.146244	44.01	66.23	22.22	Parallel	-27.6
1.291762	43.81	65.23	21.42	Parallel	-28.1
1.388775	42.49	64.64	22.14	Parallel	-28.4
4.433475	37.22	69.54	32.32	Parallel	-31.3
6.228206	32.54	69.54	37.00	Parallel	-31.6
14.168306	30.06	69.54	39.48	Parallel	-32.2

30 MHz - 1 GHz (Transmitting in maximum output power 8DPSK mode and low channel):**Low Channel: 2402 MHz****Common Information**

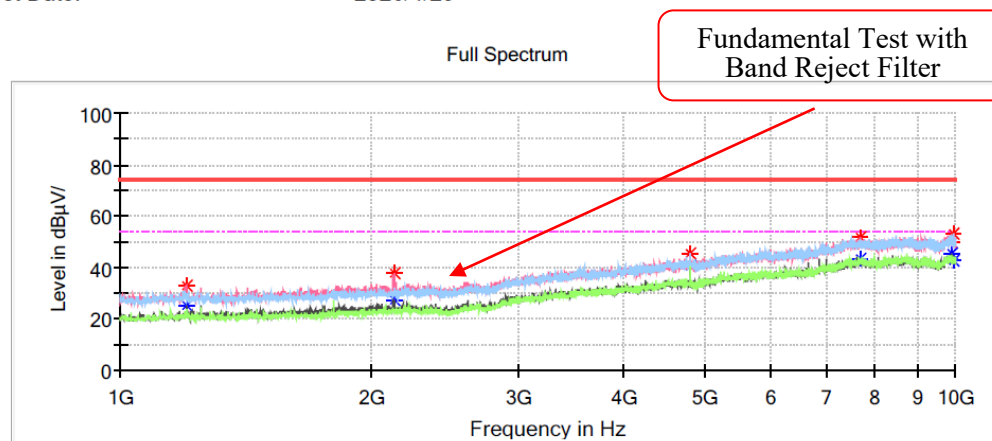
Project No: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT mode low channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
 Test Equipment: ESCI, JB3, 310N
 Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
 Temperature: 20.7°C
 Humidity: 58%
 Barometric Pressure: 101.7Pa
 Test Engineer: Scarf Yang
 Check by: Bard liu
 Test Date: 2026/4/20

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
41.904400	27.52	40.00	12.48	V	-12.3
95.823100	31.82	43.50	11.68	V	-15.3
131.841550	39.22	43.50	4.28	V	-10.9
171.642200	31.01	43.50	12.49	V	-12.4
551.992950	27.44	46.00	18.56	H	-4.3
888.512450	32.20	46.00	13.80	V	1.2

GFSK:**1 GHz - 10 GHz:****Low Channel: 2402 MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_1DH5 mode Low channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8℃
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

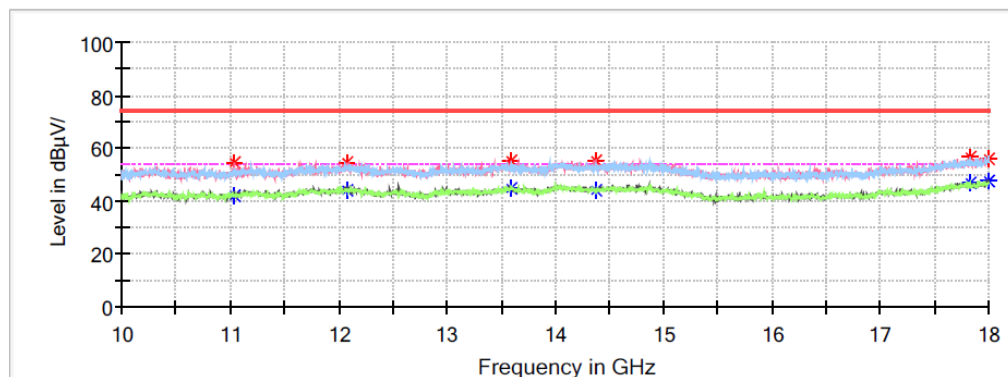
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1199.800000	32.96	---	74.00	41.04	V	-14.3
1199.800000	---	25.40	54.00	28.60	V	-14.3
2133.100000	38.08	---	74.00	35.92	V	-10.3
2133.100000	---	27.62	54.00	26.38	V	-10.3
4804.300000	---	40.77	54.00	13.23	H	-2.4
4804.300000	45.30	---	74.00	28.70	H	-2.4
7686.100000	---	43.32	54.00	10.68	V	4.4
7686.100000	51.66	---	74.00	22.34	V	4.4
9922.600000	---	45.46	54.00	8.54	V	7.1
9922.600000	49.75	---	74.00	24.25	V	7.1
9929.800000	---	42.90	54.00	11.10	H	7.2
9929.800000	53.40	---	74.00	20.60	H	7.2

10 GHz - 18 GHz:**Low Channel: 2402 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_1DH5 mode Low channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8°C
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

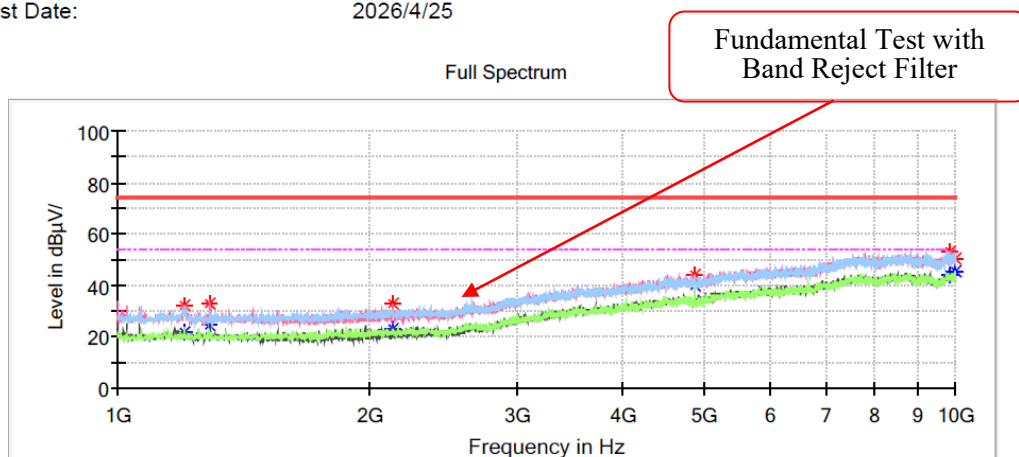
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11040.000000	54.75	---	74.00	19.25	V	6.8
11040.000000	---	42.13	54.00	11.87	V	6.8
12073.600000	---	44.26	54.00	9.74	V	9.0
12073.600000	54.49	---	74.00	19.51	V	9.0
13587.200000	---	44.95	54.00	9.05	V	9.8
13587.200000	54.92	---	74.00	19.08	V	9.8
14366.400000	---	43.97	54.00	10.03	V	11.0
14366.400000	55.05	---	74.00	18.95	V	11.0
17832.000000	56.69	---	74.00	17.31	H	12.8
17832.000000	---	46.81	54.00	7.19	H	12.8
17996.800000	56.02	---	74.00	17.98	V	13.8
17996.800000	---	47.71	54.00	6.29	V	13.8

1 GHz - 10 GHz:**Middle Channel: 2441 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_1DH5 mode Middle channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8°C
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

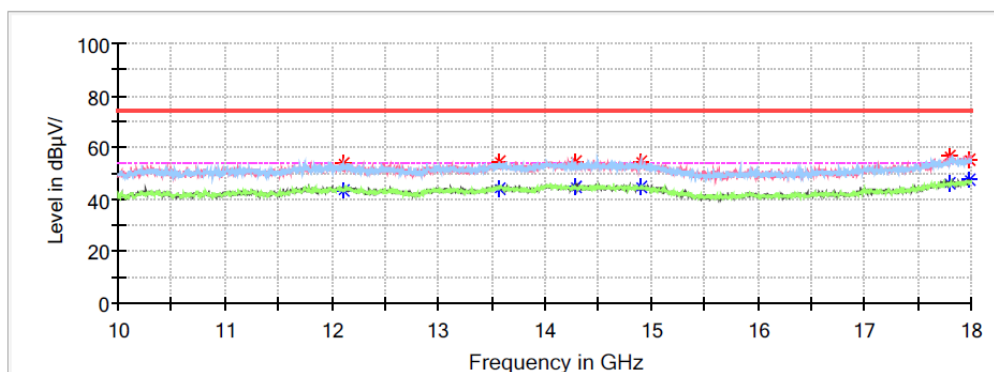
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1198.900000	32.18	---	74.00	41.82	V	-14.3
1198.900000	---	21.54	54.00	32.46	V	-14.3
1288.900000	33.19	---	74.00	40.81	V	-13.9
1288.900000	---	24.39	54.00	29.61	V	-13.9
2125.900000	32.69	---	74.00	41.31	V	-10.3
2125.900000	---	22.91	54.00	31.09	V	-10.3
4881.700000	44.06	---	74.00	29.94	H	-2.2
4881.700000	---	40.12	54.00	13.88	H	-2.2
9862.300000	---	43.93	54.00	10.07	V	7.0
9862.300000	53.14	---	74.00	20.86	V	7.0
9994.600000	---	45.18	54.00	8.82	H	7.4
9994.600000	50.02	---	74.00	23.98	H	7.4

10 GHz - 18 GHz:**Middle Channel: 2441 MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_1DH5 mode Middle channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8℃
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

Full Spectrum

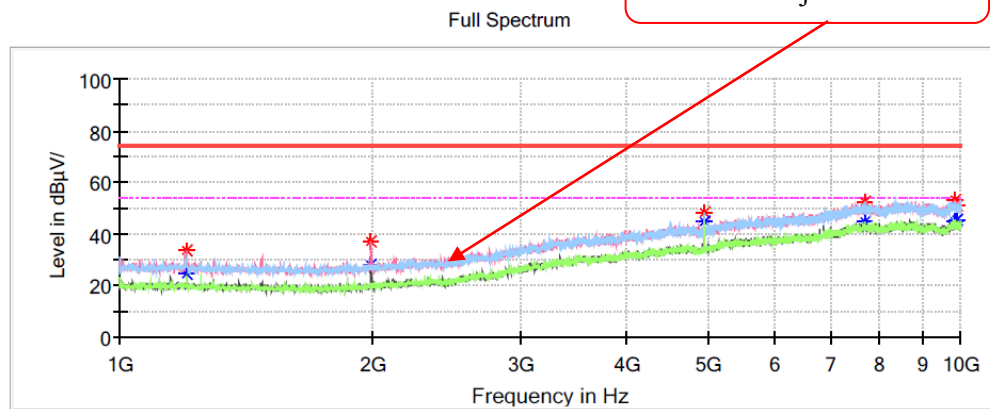
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12102.400000	54.03	---	74.00	19.97	H	9.0
12102.400000	---	43.64	54.00	10.36	H	9.0
13568.000000	54.40	---	74.00	19.60	H	9.8
13568.000000	---	44.11	54.00	9.89	H	9.8
14284.800000	54.85	---	74.00	19.15	V	10.9
14284.800000	---	44.55	54.00	9.45	V	10.9
14894.400000	54.37	---	74.00	19.63	V	9.7
14894.400000	---	44.70	54.00	9.30	V	9.7
17800.000000	---	46.33	54.00	7.67	H	12.6
17800.000000	56.38	---	74.00	17.62	H	12.6
17985.600000	---	47.76	54.00	6.24	H	13.7
17985.600000	55.49	---	74.00	18.51	H	13.7

1 GHz - 10 GHz:**High Channel: 2480 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_1DH5 mode High channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8℃
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

Fundamental Test with
Band Reject Filter

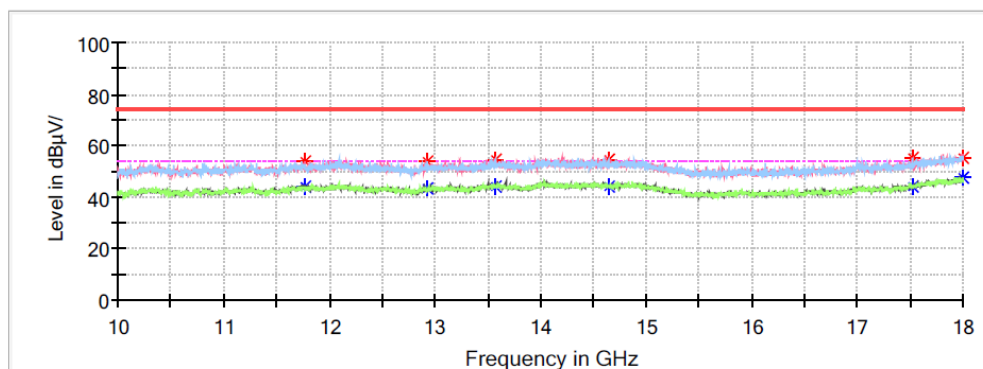
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1199.800000	---	24.14	54.00	29.86	V	-14.3
1199.800000	33.23	---	74.00	40.77	V	-14.3
1991.800000	---	27.84	54.00	26.16	V	-10.7
1991.800000	37.02	---	74.00	36.98	V	-10.7
4960.000000	---	44.93	54.00	9.07	H	-1.9
4960.000000	47.93	---	74.00	26.07	H	-1.9
7681.600000	---	44.93	54.00	9.07	H	4.4
7681.600000	52.69	---	74.00	21.31	H	4.4
9839.800000	---	45.02	54.00	8.98	V	6.9
9839.800000	53.12	---	74.00	20.88	V	6.9
9917.200000	---	45.30	54.00	8.70	V	7.1
9917.200000	50.88	---	74.00	23.12	V	7.1

10 GHz - 18 GHz:**High Channel: 2480 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_1DH5 mode High channel
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8℃
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11764.800000	---	43.84	54.00	10.16	V	8.6
11764.800000	53.74	---	74.00	20.26	V	8.6
12934.400000	---	43.37	54.00	10.63	H	8.7
12934.400000	53.91	---	74.00	20.09	H	8.7
13566.400000	---	44.36	54.00	9.64	V	9.8
13566.400000	54.76	---	74.00	19.24	V	9.8
14638.400000	---	44.37	54.00	9.63	V	10.6
14638.400000	54.73	---	74.00	19.27	V	10.6
17528.000000	---	44.16	54.00	9.84	H	11.0
17528.000000	55.08	---	74.00	18.92	H	11.0
17998.400000	55.19	---	74.00	18.81	H	13.8
17998.400000	---	47.85	54.00	6.15	H	13.8

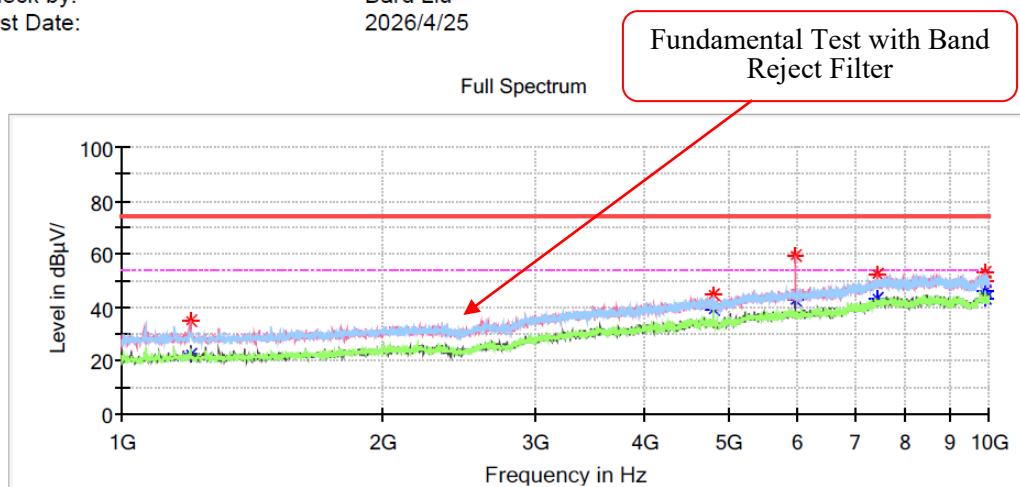
$\pi/4$ -DQPSK:

1 GHz - 10 GHz:

Low Channel: 2402 MHz

Common Information

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_2DH5 mode Low channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8°C
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

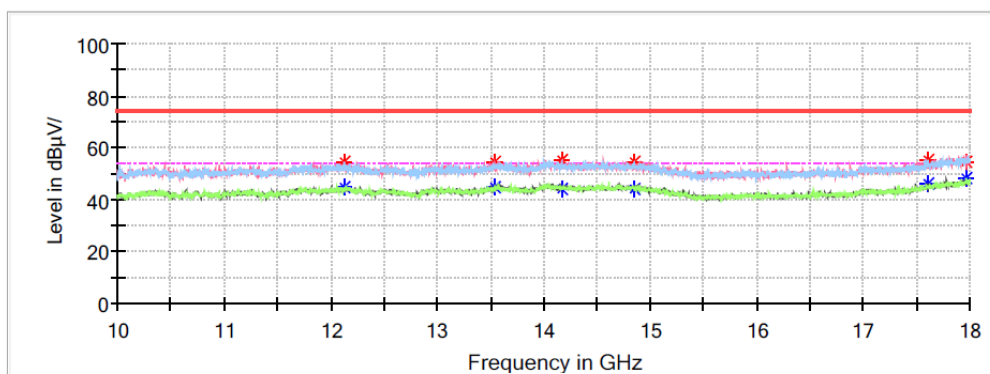
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1198.000000	---	22.69	54.00	31.31	V	-14.3
1198.000000	35.31	---	74.00	38.69	V	-14.3
4804.300000	---	39.28	54.00	14.72	V	-2.4
4804.300000	44.48	---	74.00	29.52	V	-2.4
5978.800000	---	42.93	54.00	11.07	V	0.3
5978.800000	59.41	---	74.00	14.59	V	0.3
7434.100000	---	43.01	54.00	10.99	V	4.1
7434.100000	52.14	---	74.00	21.86	V	4.1
9906.400000	---	46.10	54.00	7.90	H	7.1
9906.400000	49.50	---	74.00	24.50	H	7.1
9909.100000	---	43.51	54.00	10.49	V	7.1
9909.100000	53.06	---	74.00	20.94	V	7.1

10 GHz - 18 GHz:**Low Channel: 2402 MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_2DH5 mode Low channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8℃
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

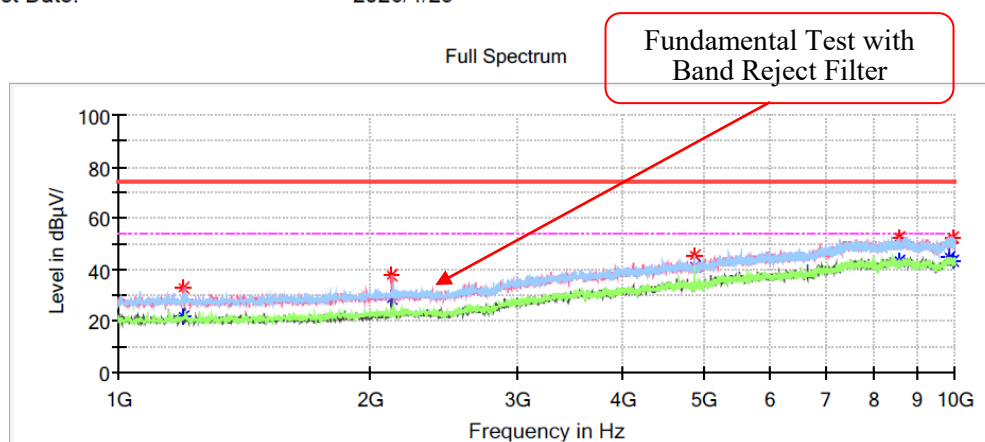
Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12124.800000	54.22	---	74.00	19.78	H	9.0
12124.800000	---	44.79	54.00	9.21	H	9.0
13545.600000	54.47	---	74.00	19.53	V	9.7
13545.600000	---	44.94	54.00	9.06	V	9.7
14172.800000	---	44.32	54.00	9.68	V	10.8
14172.800000	54.91	---	74.00	19.09	V	10.8
14851.200000	---	44.33	54.00	9.67	V	9.9
14851.200000	54.53	---	74.00	19.47	V	9.9
17603.200000	55.28	---	74.00	18.72	H	11.4
17603.200000	---	45.89	54.00	8.11	H	11.4
17963.200000	---	48.00	54.00	6.00	H	13.6
17963.200000	54.56	---	74.00	19.44	H	13.6

1 GHz - 10 GHz:**Middle Channel: 2441 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_2DH5 mode Middle channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8℃
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

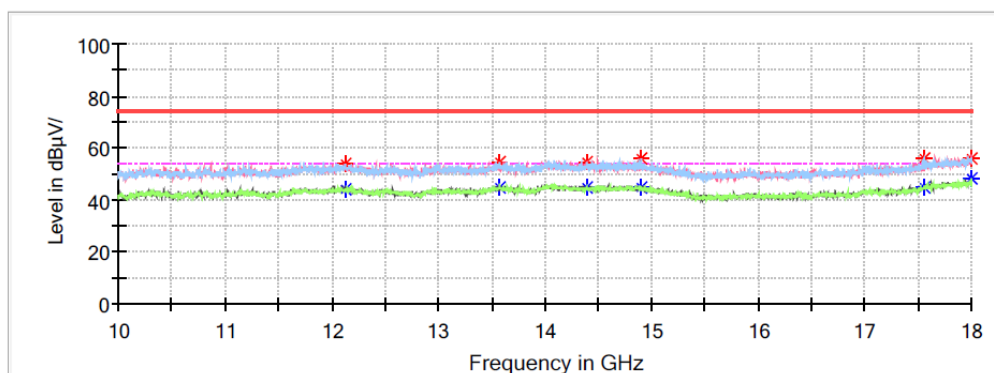
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1197.100000	---	21.93	54.00	32.07	V	-14.3
1197.100000	32.95	---	74.00	41.05	V	-14.3
2124.100000	---	28.63	54.00	25.37	V	-10.3
2124.100000	38.03	---	74.00	35.97	V	-10.3
4881.700000	---	40.95	54.00	13.05	H	-2.2
4881.700000	45.79	---	74.00	28.21	H	-2.2
8598.700000	52.51	---	74.00	21.49	V	5.7
8598.700000	---	43.40	54.00	10.60	V	5.7
9849.700000	50.05	---	74.00	23.95	H	6.9
9849.700000	---	44.94	54.00	9.06	H	6.9
9935.200000	---	43.63	54.00	10.37	H	7.2
9935.200000	52.76	---	74.00	21.24	H	7.2

10 GHz - 18 GHz:**Middle Channel: 2441 MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_2DH5 mode Middle channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8°C
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

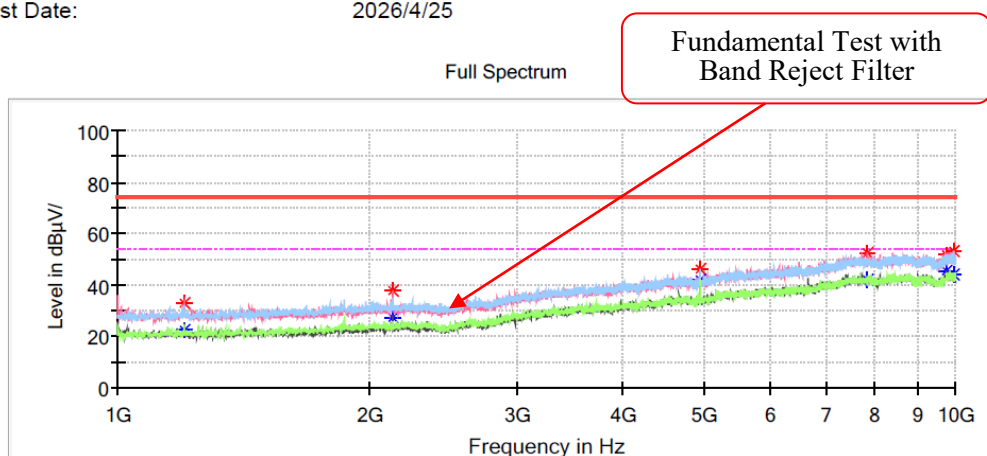
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12128.000000	53.93	---	74.00	20.07	H	9.0
12128.000000	---	44.04	54.00	9.96	H	9.0
13576.000000	54.88	---	74.00	19.12	V	9.8
13576.000000	---	45.10	54.00	8.90	V	9.8
14396.800000	54.84	---	74.00	19.16	H	11.0
14396.800000	---	44.75	54.00	9.25	H	11.0
14896.000000	---	44.66	54.00	9.34	H	9.7
14896.000000	55.73	---	74.00	18.27	H	9.7
17550.400000	---	44.71	54.00	9.29	H	11.1
17550.400000	55.64	---	74.00	18.36	H	11.1
17996.800000	55.79	---	74.00	18.21	H	13.8
17996.800000	---	47.97	54.00	6.03	H	13.8

1 GHz - 10 GHz:**High Channel: 2480 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_2DH5 mode High channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8℃
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

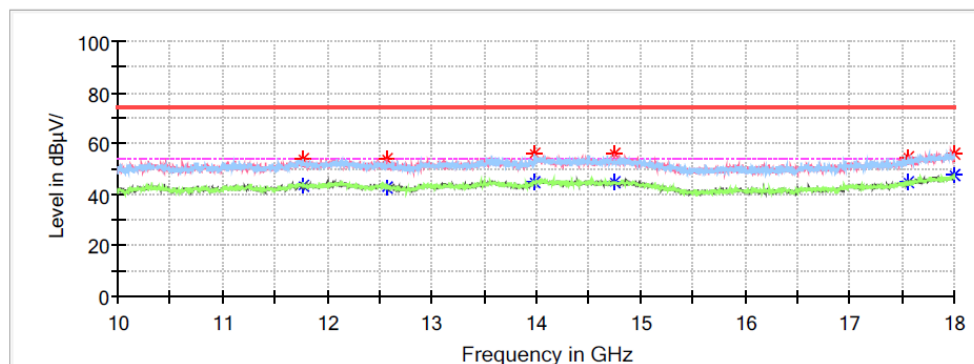
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1198.000000	32.64	---	74.00	41.36	V	-14.3
1198.000000	---	22.55	54.00	31.45	V	-14.3
2129.500000	37.50	---	74.00	36.50	V	-10.3
2129.500000	---	27.42	54.00	26.58	V	-10.3
4960.000000	---	42.02	54.00	11.98	H	-1.9
4960.000000	46.12	---	74.00	27.88	H	-1.9
7846.300000	---	42.24	54.00	11.76	V	4.4
7846.300000	52.21	---	74.00	21.79	V	4.4
9775.000000	---	45.31	54.00	8.69	V	6.7
9775.000000	51.59	---	74.00	22.41	V	6.7
9936.100000	---	44.20	54.00	9.80	H	7.2
9936.100000	52.93	---	74.00	21.07	H	7.2

10 GHz - 18 GHz:**High Channel: 2480 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_2DH5 mode High channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8°C
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

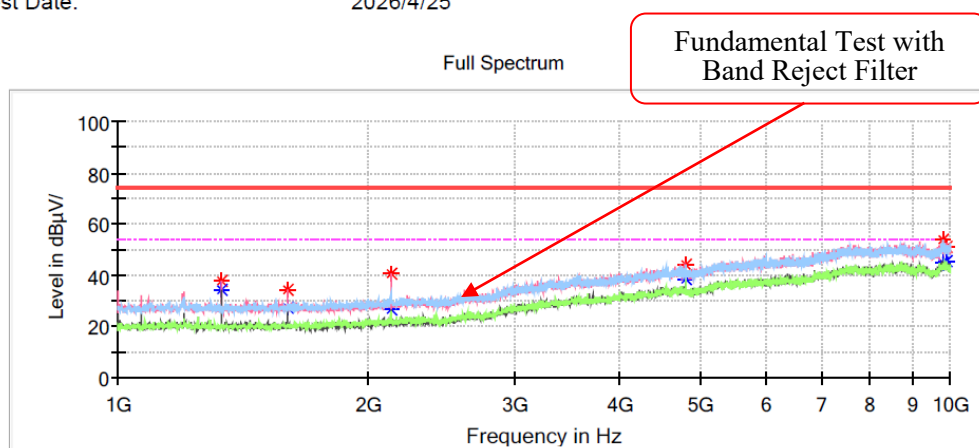
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11766.400000	---	43.56	54.00	10.44	V	8.6
11766.400000	53.82	---	74.00	20.18	V	8.6
12571.200000	---	42.86	54.00	11.14	V	8.8
12571.200000	54.13	---	74.00	19.87	V	8.8
13982.400000	---	44.62	54.00	9.38	V	10.6
13982.400000	55.77	---	74.00	18.23	V	10.6
14748.800000	---	45.09	54.00	8.91	H	10.2
14748.800000	55.63	---	74.00	18.37	H	10.2
17552.000000	---	44.74	54.00	9.26	H	11.1
17552.000000	54.86	---	74.00	19.14	H	11.1
17998.400000	56.14	---	74.00	17.86	V	13.8
17998.400000	---	47.49	54.00	6.51	V	13.8

8DPSK:**1 GHz - 10 GHz:****Low Channel: 2402 MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_3DH5 mode Low channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8℃
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

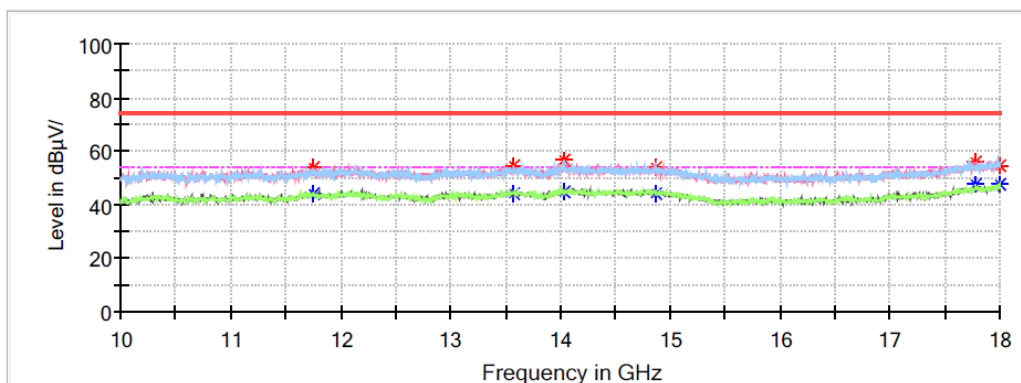
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1333.000000	---	34.59	54.00	19.41	V	-13.8
1333.000000	38.06	---	74.00	35.94	V	-13.8
1599.400000	---	26.92	54.00	27.08	V	-12.6
1599.400000	33.99	---	74.00	40.01	V	-12.6
2130.400000	---	26.32	54.00	27.68	V	-10.3
2130.400000	40.44	---	74.00	33.56	V	-10.3
4804.300000	---	38.39	54.00	15.61	H	-2.4
4804.300000	43.87	---	74.00	30.13	H	-2.4
9820.900000	---	44.57	54.00	9.43	H	6.8
9820.900000	54.15	---	74.00	19.85	H	6.8
9910.900000	---	45.60	54.00	8.40	H	7.1
9910.900000	51.22	---	74.00	22.78	H	7.1

10 GHz - 18 GHz:**Low Channel: 2402 MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_3DH5 mode Low channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8℃
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

Full Spectrum

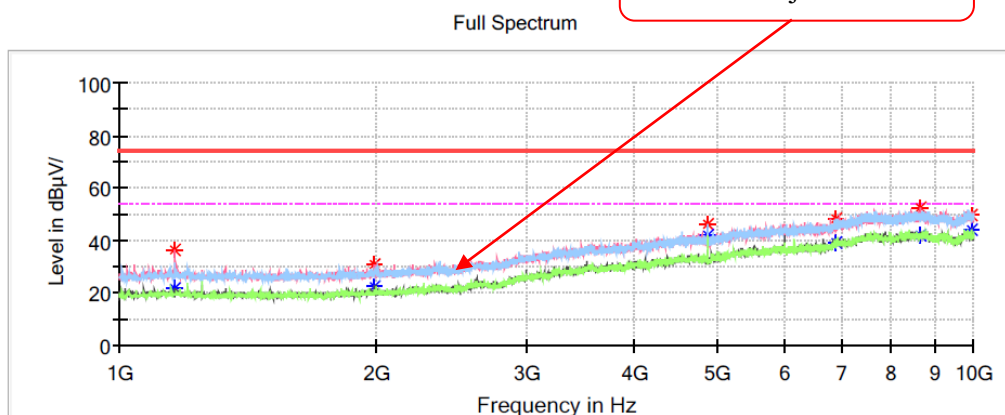
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11747.200000	---	43.74	54.00	10.26	V	8.6
11747.200000	53.59	---	74.00	20.41	V	8.6
13577.600000	---	44.05	54.00	9.95	H	9.8
13577.600000	54.45	---	74.00	19.55	H	9.8
14038.400000	---	45.10	54.00	8.90	V	10.7
14038.400000	56.36	---	74.00	17.64	V	10.7
14870.400000	---	44.38	54.00	9.62	V	9.8
14870.400000	54.14	---	74.00	19.86	V	9.8
17785.600000	---	47.66	54.00	6.34	H	12.5
17785.600000	56.08	---	74.00	17.92	H	12.5
17992.000000	54.66	---	74.00	19.34	H	13.8
17992.000000	---	47.84	54.00	6.16	H	13.8

1 GHz - 10 GHz:**Middle Channel: 2441 MHz****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in BT_3DH5 mode Middle channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 19.8℃
Humidity: 50%
Atmospheric Pressure: 101.7kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/25

Fundamental Test with
Band Reject Filter

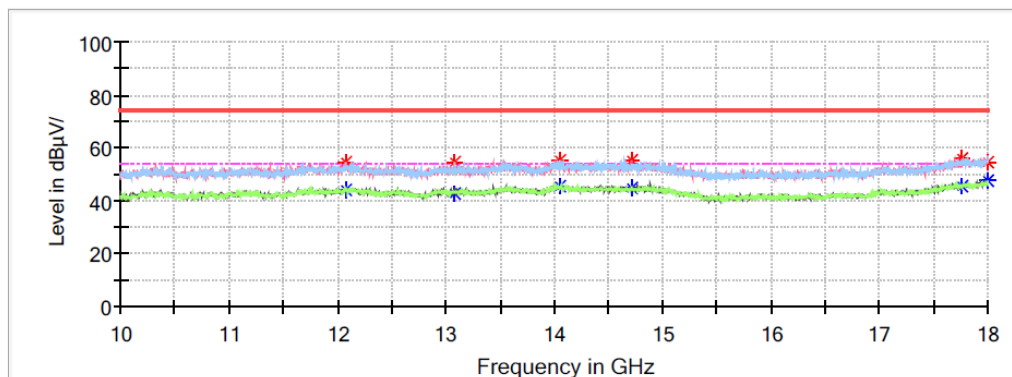
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1161.100000	36.12	---	74.00	37.88	V	-15.5
1161.100000	---	21.73	54.00	32.27	V	-15.5
1990.900000	---	22.57	54.00	31.43	V	-11.7
1990.900000	31.07	---	74.00	42.93	V	-11.7
4881.700000	46.12	---	74.00	27.88	H	-3.2
4881.700000	---	41.93	54.00	12.07	H	-3.2
6904.900000	---	38.93	54.00	15.07	H	1.2
6904.900000	48.40	---	74.00	25.60	H	1.2
8668.900000	52.32	---	74.00	21.68	V	4.8
8668.900000	---	42.29	54.00	11.71	V	4.8
9933.400000	49.56	---	74.00	24.44	H	6.2
9933.400000	---	44.24	54.00	9.76	H	6.2

10 GHz - 18 GHz:**Middle Channel: 2441 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_3DH5 mode Middle channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8℃
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

Full Spectrum

**Critical_Freqs**

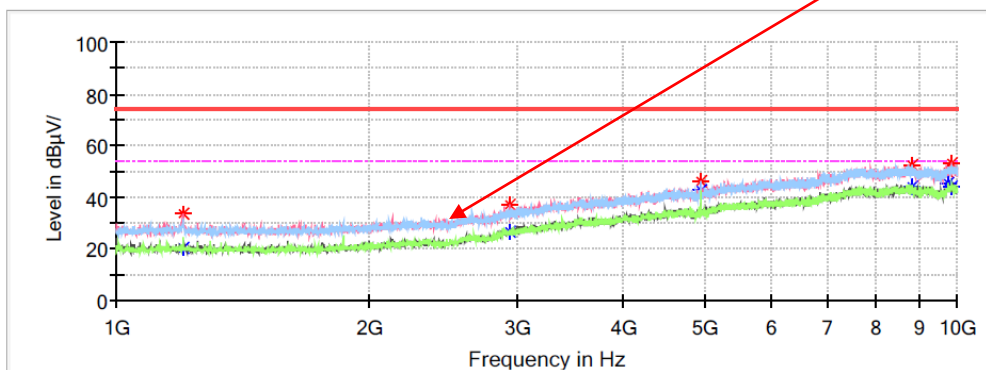
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12072.000000	---	44.06	54.00	9.94	V	9.0
12072.000000	54.31	---	74.00	19.69	V	9.0
13076.800000	---	42.77	54.00	11.23	V	8.9
13076.800000	54.33	---	74.00	19.67	V	8.9
14049.600000	---	45.20	54.00	8.80	H	10.7
14049.600000	54.96	---	74.00	19.04	H	10.7
14708.800000	---	44.50	54.00	9.50	H	10.4
14708.800000	55.10	---	74.00	18.90	H	10.4
17766.400000	---	45.78	54.00	8.22	V	12.4
17766.400000	56.10	---	74.00	17.90	V	12.4
17996.800000	54.87	---	74.00	19.13	H	13.8
17996.800000	---	47.73	54.00	6.27	H	13.8

1 GHz - 10 GHz:**High Channel: 2480 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_3DH5 mode High channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8°C
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

Fundamental Test with
Band Reject Filter

Full Spectrum

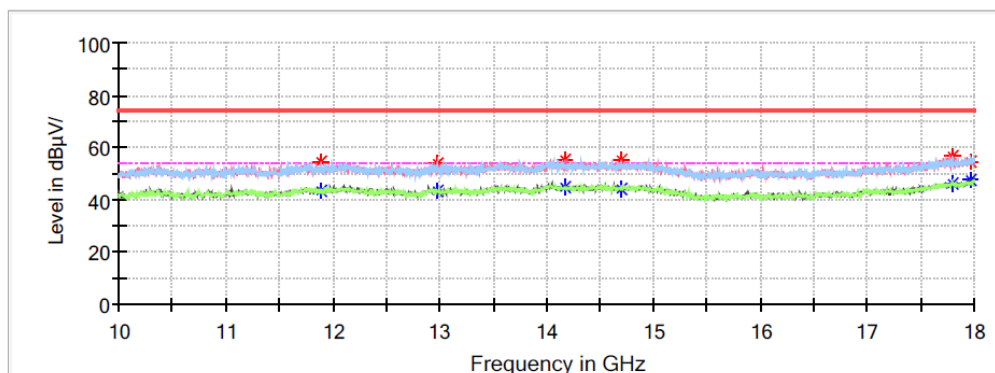
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1198.000000	33.50	---	74.00	40.50	V	-14.3
1198.000000	---	20.11	54.00	33.89	V	-14.3
2931.400000	---	26.78	54.00	27.22	V	-7.7
2931.400000	36.78	---	74.00	37.22	V	-7.7
4960.000000	---	42.78	54.00	11.22	H	-1.9
4960.000000	45.97	---	74.00	28.03	H	-1.9
8857.000000	---	43.84	54.00	10.16	V	5.8
8857.000000	52.22	---	74.00	21.78	V	5.8
9764.200000	---	45.21	54.00	8.79	H	6.6
9764.200000	49.51	---	74.00	24.49	H	6.6
9865.900000	---	43.86	54.00	10.14	H	7.0
9865.900000	52.89	---	74.00	21.11	H	7.0

10 GHz - 18 GHz:**High Channel: 2480 MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: Transmitting in BT_3DH5 mode High channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 19.8°C
 Humidity: 50%
 Atmospheric Pressure: 101.7kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/25

Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11888.000000	---	43.06	54.00	10.94	V	8.8
11888.000000	54.76	---	74.00	19.24	V	8.8
12971.200000	---	43.08	54.00	10.92	H	8.7
12971.200000	54.02	---	74.00	19.98	H	8.7
14168.000000	---	44.75	54.00	9.25	H	10.8
14168.000000	55.25	---	74.00	18.75	H	10.8
14702.400000	---	44.35	54.00	9.65	V	10.4
14702.400000	55.29	---	74.00	18.71	V	10.4
17798.400000	---	46.34	54.00	7.66	H	12.6
17798.400000	56.33	---	74.00	17.67	H	12.6
17971.200000	---	47.51	54.00	6.49	V	13.7
17971.200000	54.77	---	74.00	19.23	V	13.7

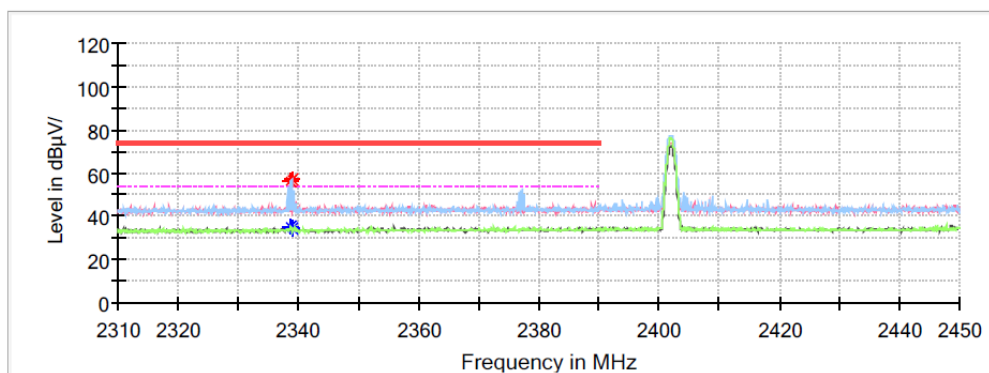
Band Edge:
GFSK:

Left Side

Common Information

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BT_1DH5 mode Low channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	19.8℃
Humidity:	50%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/25

Full Spectrum



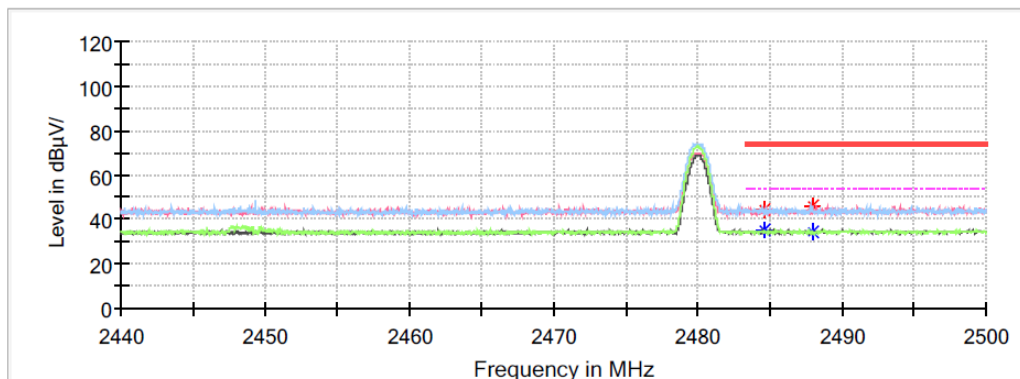
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2338.784000	---	35.50	54.00	18.50	H	-0.7
2338.784000	56.57	---	74.00	17.43	H	-0.7
2338.840000	---	34.40	54.00	19.60	H	-0.7
2338.840000	56.78	---	74.00	17.22	H	-0.7

Right Side**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in BT_1DH5 mode High channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 19.8°C
Humidity: 50%
Atmospheric Pressure: 101.7kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/25

Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2484.592000	---	35.38	54.00	18.62	V	-0.3
2484.592000	44.71	---	74.00	29.29	V	-0.3
2487.976000	---	34.29	54.00	19.71	H	-0.3
2487.976000	45.98	---	74.00	28.02	H	-0.3

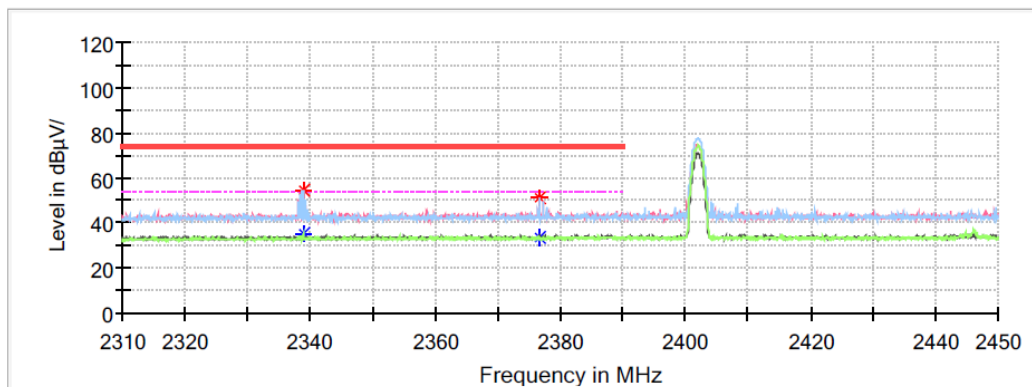
$\pi/4$ -DQPSK:

Left Side

Common Information

Project No.: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in BT_2DH5 mode Low channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 19.8℃
Humidity: 50%
Atmospheric Pressure: 101.7kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/25

Full Spectrum



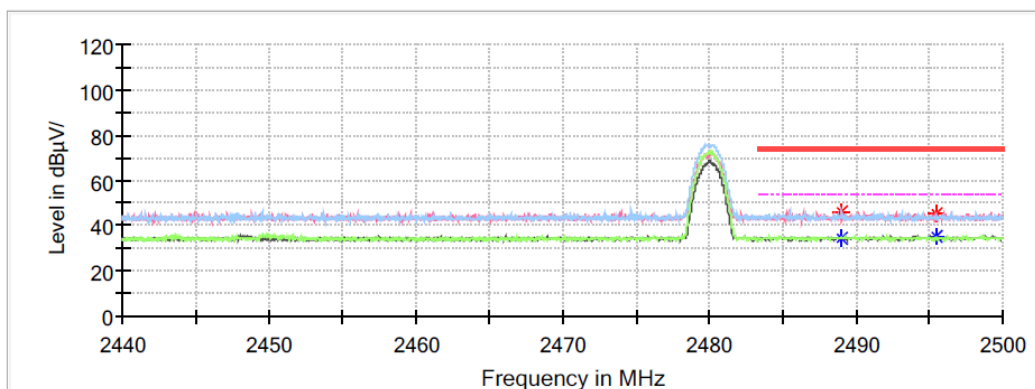
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2338.840000	---	34.96	54.00	19.04	H	-0.7
2338.840000	54.93	---	74.00	19.07	H	-0.7
2376.752000	---	33.50	54.00	20.50	H	-0.6
2376.752000	51.34	---	74.00	22.66	H	-0.6

Right Side**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in BT_2DH5 mode High channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 19.8℃
Humidity: 50%
Atmospheric Pressure: 101.7kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/25

Full Spectrum

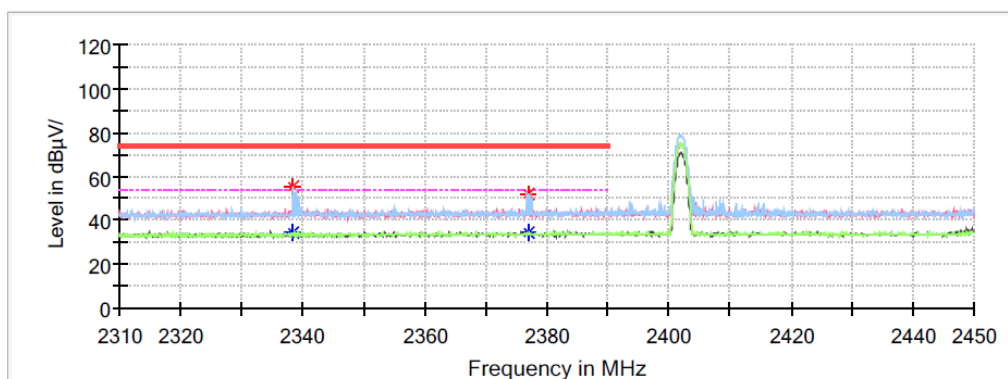
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2489.056000	46.45	---	74.00	27.55	V	-0.3
2489.056000	---	34.27	54.00	19.73	V	-0.3
2495.512000	45.33	---	74.00	28.67	H	-0.3
2495.512000	---	35.61	54.00	18.39	H	-0.3

8DPSK:**Left Side****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in BT_3DH5 mode Low channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 19.8℃
Humidity: 50%
Atmospheric Pressure: 101.7kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/25

Full Spectrum

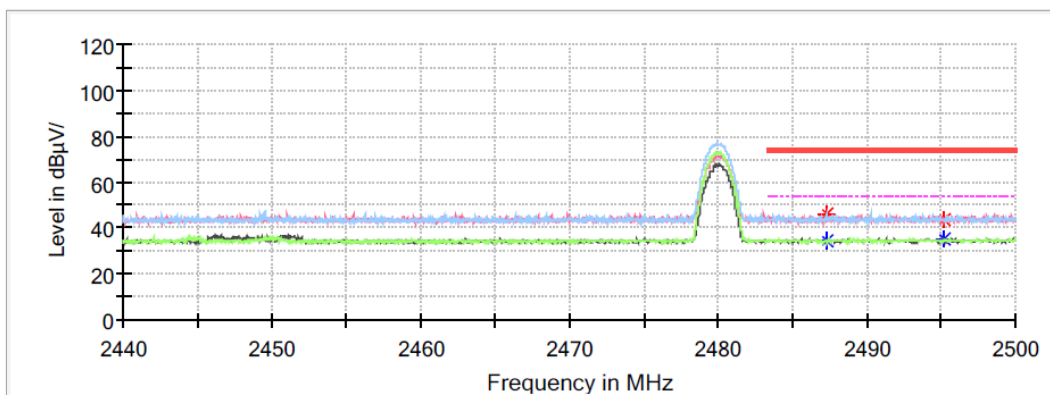
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2338.448000	---	34.32	54.00	19.68	H	-0.7
2338.448000	55.32	---	74.00	18.68	H	-0.7
2376.864000	---	34.70	54.00	19.30	H	-0.6
2376.864000	51.87	---	74.00	22.13	H	-0.6

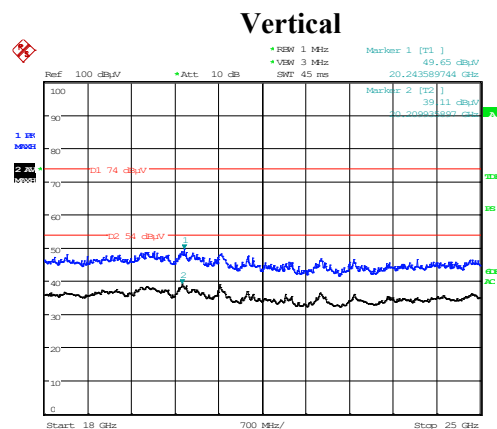
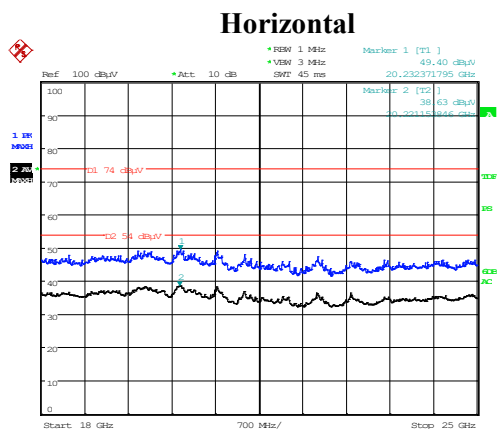
Right Side**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in BT_3DH5 mode High channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 19.8℃
Humidity: 50%
Atmospheric Pressure: 101.7kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/25

Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2487.280000	46.14	---	74.00	27.86	H	-0.3
2487.280000	---	34.11	54.00	19.89	H	-0.3
2495.248000	43.72	---	74.00	30.28	V	-0.3
2495.248000	---	35.62	54.00	18.38	V	-0.3

18 GHz - 25 GHz (Transmitting maximum output power 8DPSK Mode low channel):

Project No.: RKSA260330001
Date: 13.MAY.2026 10:39:05

Tester: Hugh Wu

Project No.: RKSA260330001
Date: 13.MAY.2026 11:10:23

Tester: Hugh Wu

Frequency (GHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
20.21	---	39.11	54	14.89	V	12.47
20.24	49.65	---	74	24.35	V	12.5
20.22	---	38.63	54	15.37	H	12.48
20.23	49.4	---	74	24.6	H	12.49

Note: The test distance is 3m. The limit is 74dB μ V/m(Peak) and 54dB μ V/m(Average).

CHANNEL SEPARATION TEST**Environmental Conditions & Test Information**

Test Date:	2026-04-27
Temperature:	21.2 °C
Relative Humidity:	53 %
ATM Pressure:	103.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

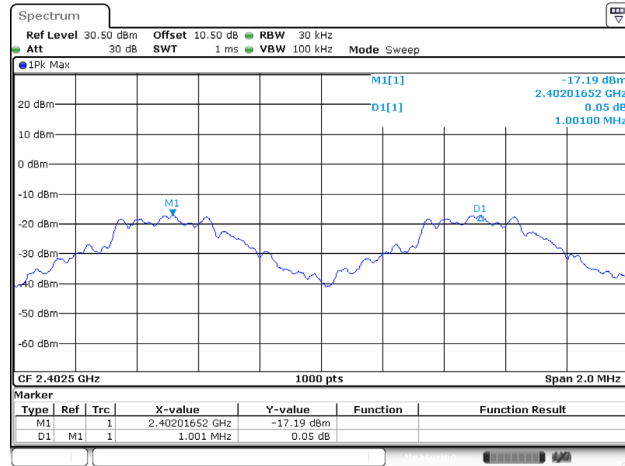
EUT operation mode: Transmitting

Mode	Channel	Result (MHz)	Limit (MHz)	Result
GFSK	Low	1.001	0.877	Pass
	Middle	1.001	0.877	Pass
	High	1.001	0.877	Pass

Note:

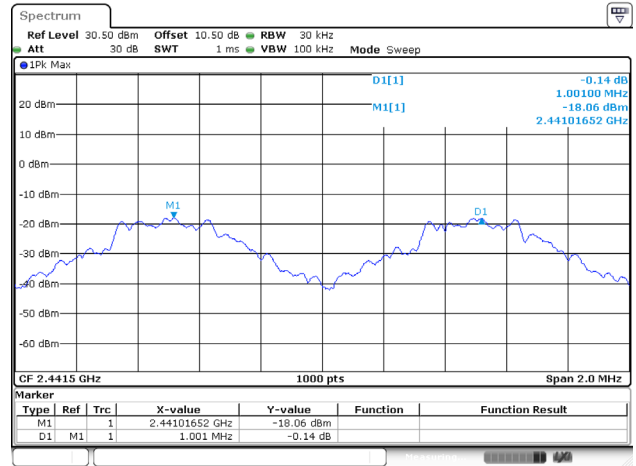
1. The limit = $(2/3) \times 20\text{dB}$ bandwidth.
2. Only GFSK mode result is reported since EDR($\pi/4$ -DQPSK, 8DPSK) has the exact same channel plan.

BDR (GFSK): Low Channel



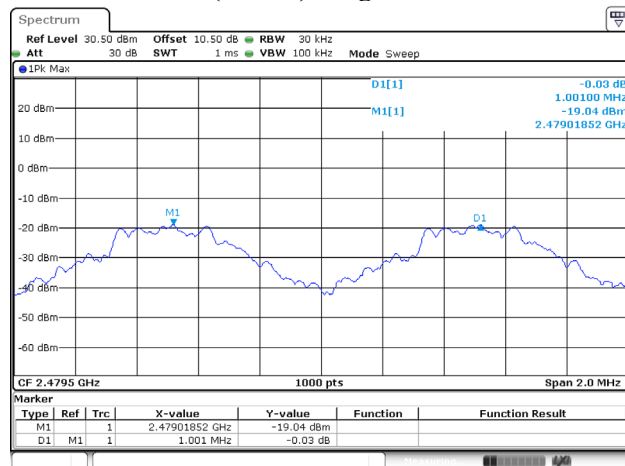
ProjectNo. RKSA260330001 Tester: Neil Zhou
Date: 27 APR 2026 14:37:48

BDR (GFSK): Middle Channel



ProjectNo. RKSA260330001 Tester: Neil Zhou
Date: 27 APR 2026 14:39:29

BDR (GFSK): High Channel



ProjectNo. RKSA260330001 Tester: Neil Zhou
Date: 27 APR 2026 14:40:49

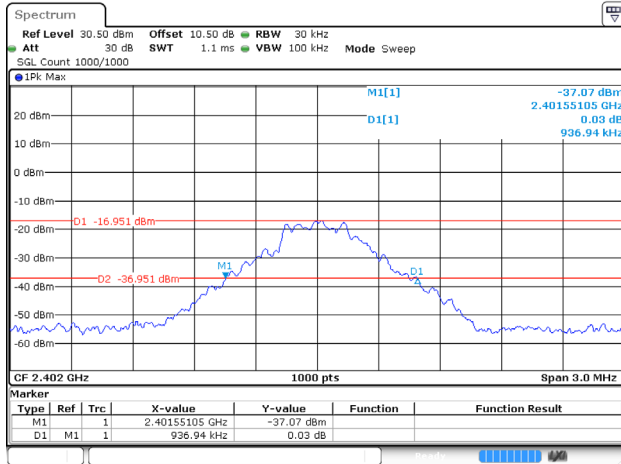
20 dB BANDWIDTH TEST**Environmental Conditions & Test Information**

Test Date:	2026-04-23
Temperature:	19.5 °C
Relative Humidity:	54 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

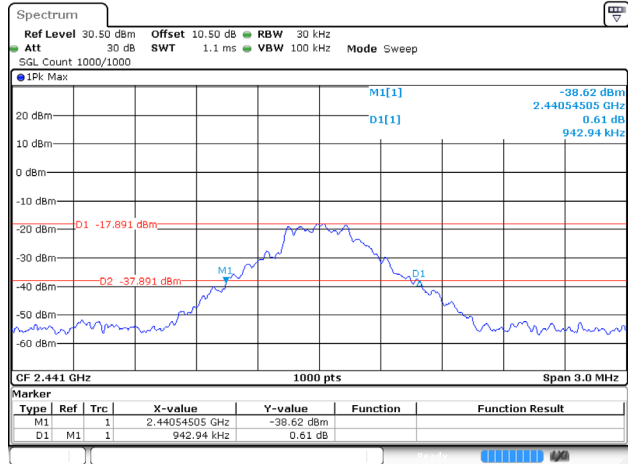
Mode	Channel	Frequency (MHz)	20 dB Emission Bandwidth (MHz)
BDR (GFSK)	Low	2402	0.937
	Middle	2441	0.943
	High	2480	0.946
EDR ($\pi/4$-DQPSK)	Low	2402	1.312
	Middle	2441	1.315
	High	2480	1.312
EDR (8DPSK)	Low	2402	1.279
	Middle	2441	1.279
	High	2480	1.282

BDR (GFSK) : Low Channel



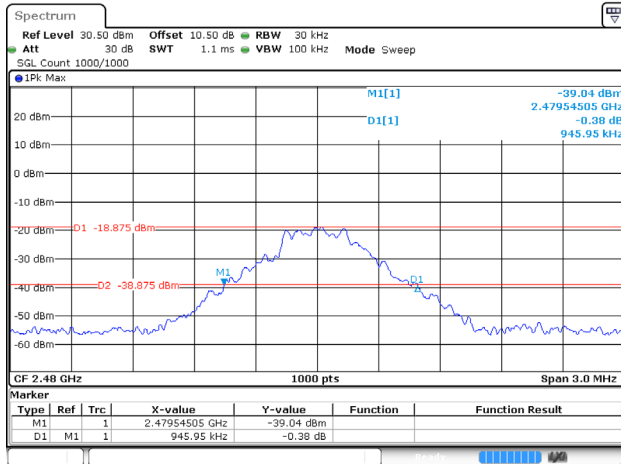
ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:10:22

BDR (GFSK) : Middle Channel

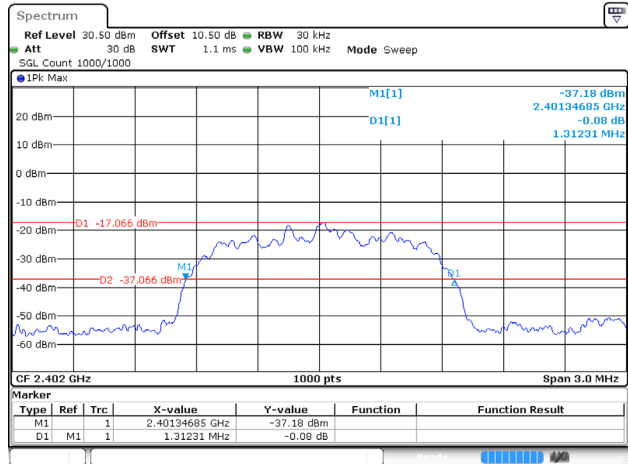


ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:14:33

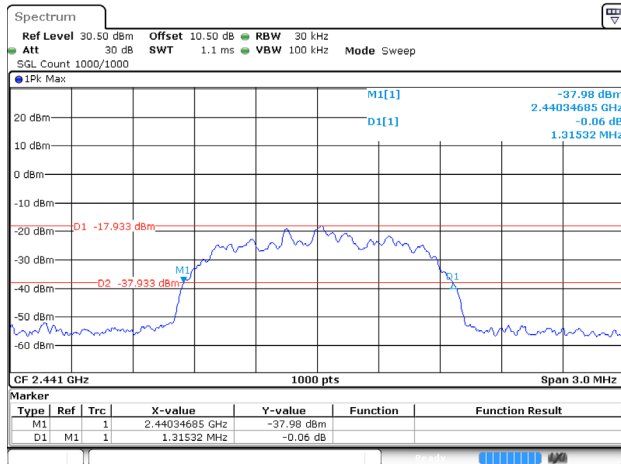
BDR (GFSK) : High Channel



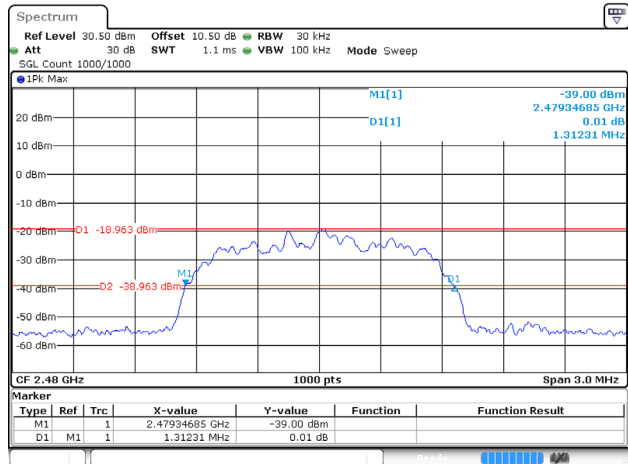
ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:17:08

EDR ($\pi/4$ -DQPSK) : Low Channel

ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:20:00

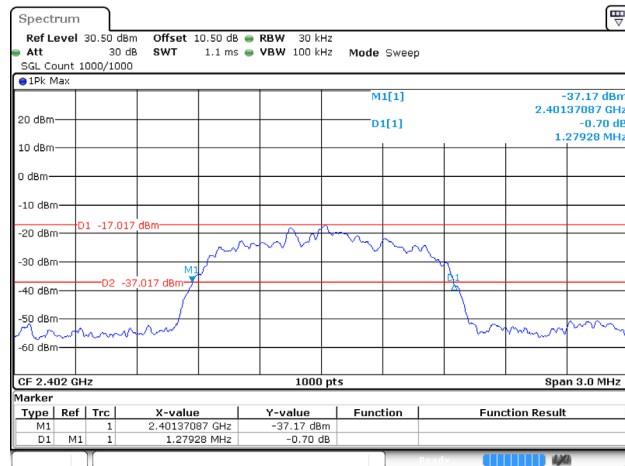
EDR ($\pi/4$ -DQPSK) : Middle Channel

ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:22:41

EDR ($\pi/4$ -DQPSK) : High Channel

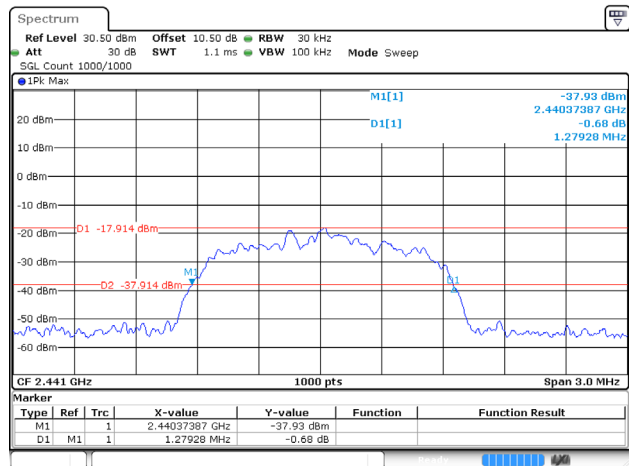
ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:25:24

EDR (8DPSK) : Low Channel



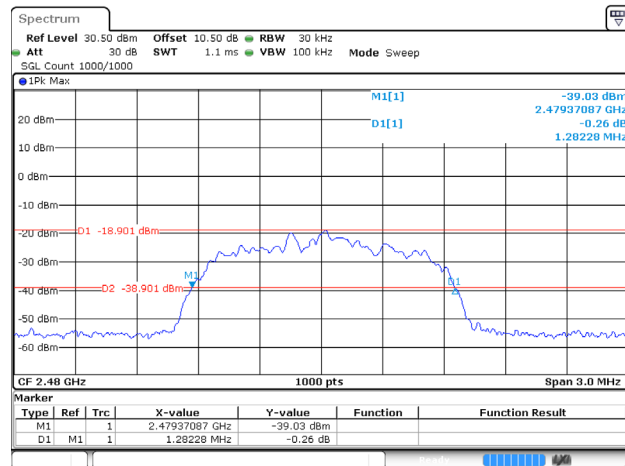
ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:28:10

EDR (8DPSK) : Middle Channel



ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:30:48

EDR (8DPSK) : High Channel



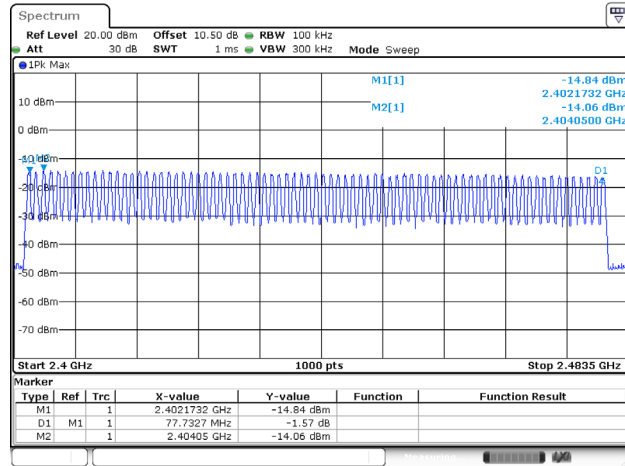
ProjectNo.: RKSA260330001 Tester: Neil Zhou
Date: 23 APR 2026 16:33:29

QUANTITY OF HOPPING CHANNEL TEST**Environmental Conditions & Test Information**

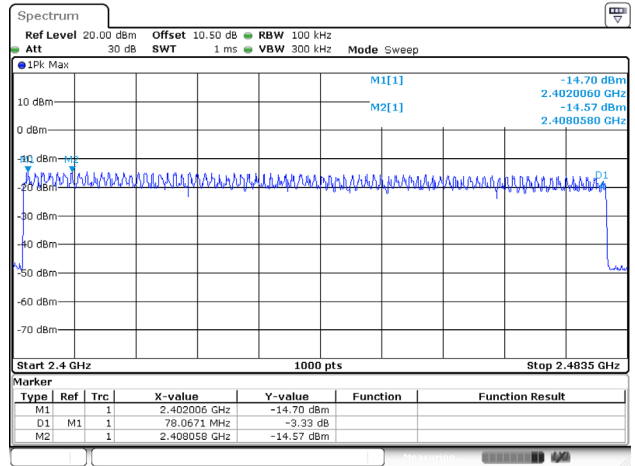
Test Date:	2026-04-27
Temperature:	21.2 °C
Relative Humidity:	53 %
ATM Pressure:	103.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Hopping

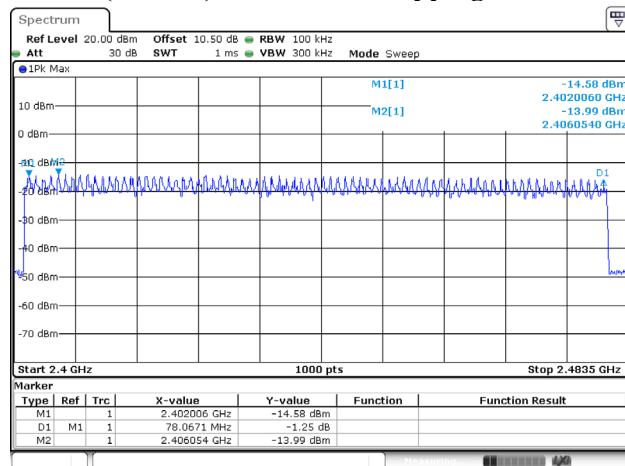
Mode	Frequency Range (MHz)	Number of Hopping Channel (CH)	Limit (CH)
BDR (GFSK)	2400-2483.5	79	≥15
EDR ($\pi/4$ -DQPSK)	2400-2483.5	79	≥15
EDR (8DPSK)	2400-2483.5	79	≥15

BDR (GFSK) :Number of Hopping Channels

ProjectNo. RKSA260330001 Tester:Neil Zhou
Date: 27 APR 2026 14:29:15

EDR ($\pi/4$ -DQPSK): Number of Hopping Channels

ProjectNo. RKSA260330001 Tester:Neil Zhou
Date: 27 APR 2026 14:30:57

EDR (8DPSK): Number of Hopping Channels

ProjectNo. RKSA260330001 Tester:Neil Zhou
Date: 27 APR 2026 14:32:01

TIME OF OCCUPANCY (DWELL TIME)**Environmental Conditions & Test Information**

Test Date:	2026-05-25
Temperature:	24.3 °C
Relative Humidity:	56 %
ATM Pressure:	102.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Hopping

Mode		Channel	BurstWidth (ms)	TotalHops (Num)	Dwell time (s)	Limit (s)	Result
BDR (GFSK)	DH1	Hopping	0.384	320	0.123	0.4	Pass
	DH3		1.285	180	0.231	0.4	Pass
	DH5		2.898	110	0.319	0.4	Pass
EDR ($\pi/4$ -DQPSK)	2DH1		0.394	320	0.126	0.4	Pass
	2DH3		1.655	150	0.248	0.4	Pass
	2DH5		2.908	110	0.320	0.4	Pass
EDR (8DPSK)	3DH1		0.393	330	0.130	0.4	Pass
	3DH3		1.652	140	0.231	0.4	Pass
	3DH5		2.908	110	0.320	0.4	Pass

Note 1: A period time = $0.4 \times 79 = 31.6(S)$, Result = BurstWidth * Totalhops

Note 2: Totalhops = Hopping Number in $3.16s \times 10$

Note 3: Hopping Number in $3.16s$ = Total of highest signals in $3.16s$ (Second high signals were other channel)