

FCC PART 15.247

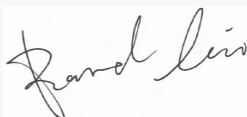
TEST REPORT

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: RKSA260330001-00B	
Report Date: 2026-06-15	
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.

TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	5
OBJECTIVE	6
TEST METHODOLOGY	6
MEASUREMENT UNCERTAINTY	7
TEST FACILITY	7
SYSTEM TEST CONFIGURATION.....	8
DESCRIPTION OF TEST CONFIGURATION	8
EQUIPMENT MODIFICATIONS	8
EUT EXERCISE SOFTWARE	9
SUPPORT EQUIPMENT LIST AND DETAILS	12
EXTERNAL I/O CABLE.....	12
BLOCK DIAGRAM OF TEST SETUP	12
SUMMARY OF TEST RESULTS.....	14
TEST EQUIPMENT LIST	15
FCC §1.1307(b) & §2.1093 - RF EXPOSURE.....	17
APPLICABLE STANDARD	17
FCC §15.203 - ANTENNA REQUIREMENT.....	18
APPLICABLE STANDARD	18
ANTENNA CONNECTOR CONSTRUCTION	18
FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS.....	19
APPLICABLE STANDARD	19
TEST SYSTEM SETUP.....	19
EMI TEST RECEIVER SETUP.....	19
TEST PROCEDURE	20
TEST RESULTS SUMMARY	20
TEST DATA: SEE APPENDIX	20
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS.....	21
APPLICABLE STANDARD	21
TEST SYSTEM SETUP.....	21
EMI TEST RECEIVER SETUP.....	22
TEST PROCEDURE	22
TEST RESULTS SUMMARY	23
TEST DATA: SEE APPENDIX	23
FCC §15.247(A) (2) - 6 DB EMISSION BANDWIDTH.....	24
APPLICABLE STANDARD	24
TEST PROCEDURE	24
TEST DATA: SEE APPENDIX	24
FCC §15.247(B) (3) - MAXIMUM CONDUCTED OUTPUT POWER.....	25
APPLICABLE STANDARD	25
TEST PROCEDURE	25
TEST DATA: SEE APPENDIX	25
FCC §15.247(D) – 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE & CONDUCTED SPURIOUS EMISSION	26

APPLICABLE STANDARD	26
TEST PROCEDURE	26
TEST DATA: SEE APPENDIX	27
FCC §15.247(E) - POWER SPECTRAL DENSITY	28
APPLICABLE STANDARD	28
TEST PROCEDURE	28
TEST DATA: SEE APPENDIX	28
APPENDIX - TEST DATA	29
AC LINE CONDUCTED EMISSIONS	29
SPURIOUS EMISSIONS	34
6 dB EMISSION BANDWIDTH	75
MAXIMUM CONDUCTED OUTPUT POWER.....	79
100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE.....	81
CONDUCTED SPURIOUS EMISSION.....	84
POWER SPECTRAL DENSITY	88
EUT PHOTOGRAPHS	92
TEST SETUP PHOTOGRAPHS	93

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260330001-00B	R1V1	2026-06-15	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
RF Function:	2.4G Wi-Fi; BLE
Operating Band/Frequency:	2.4G Wi-Fi: 2412~2462 MHz(802.11b/g/n20) BLE(1 Mbps):2402-2480 MHz
Maximum Peak Output Power:	2.4G Wi-Fi: 802.11b: 15.98 dBm 802.11g: 23.47 dBm 802.11n20: 23.46 dBm BLE(1 Mbps): -13.09 dBm
Channel Number:	2.4G Wi-Fi: 11(802.11b/g/n20) BLE(1 Mbps): 40
Channel Separation:	2.4G Wi-Fi: 5 MHz BLE: 2 MHz
Modulation Type:	2.4G Wi-Fi: DSSS, OFDM BLE: GFSK
★Maximum Antenna Gain:	2.4G Wi-Fi & BLE: 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/≡ /↑/↓/×/←/→	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 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 Compliant with FCC Part 15, Subpart C, and 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 Compliant Testing of Unlicensed Wireless Devices and FCC 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 for BLE mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454	/	/
13	2428	27	2456	/	/

For BLE (1 Mbps) mode, EUT was tested with channel 0, 19 and 39.

Channel List for Wi-Fi Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

For 802.11b, 802.11g, 802.11n-HT20 mode EUT was tested with Channel 1, 6 and 11.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test software: ADB

Pre-scan with all the data rates, and the worst case was performed as below:

Mode	Data Rate	Channel	★Power Level
802.11b	1 Mbps	Low	18
		Middle	18
		High	18
802.11g	6 Mbps	Low	21
		Middle	21
		High	21
802.11n-HT20	MCS0	Low	21
		Middle	21
		High	21
BLE(1Mbps)	1Mbps	Low	5
		Middle	5
		High	5

Note: The power level was declared by the applicant.

Environmental Conditions & Test Information

Test Date:	2026-04-15~2026-6-15
Temperature:	21~24.2 °C
Relative Humidity:	37~50 %
ATM Pressure:	101.1~102.5 kPa
Test Engineer:	Neil Zhou

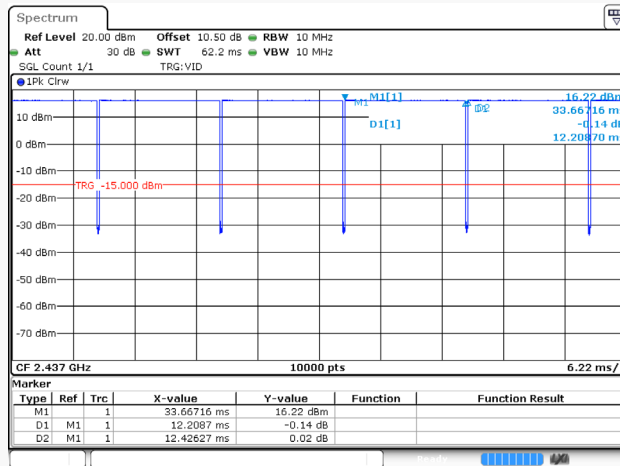
Mode	Duty Cycle (%)	Ton(ms)	Ton+Toff(ms)	10log(1/x) (dB)
802.11b	98.25	12.209	12.426	/
802.11g	90.42	2.030	2.245	0.48
802.11n-HT20	89.74	1.890	2.106	0.47
BLE(1Mbps)	84.88	2.122	2.500	0.84

Note:

1. “x” means the Duty Cycle.
2. Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

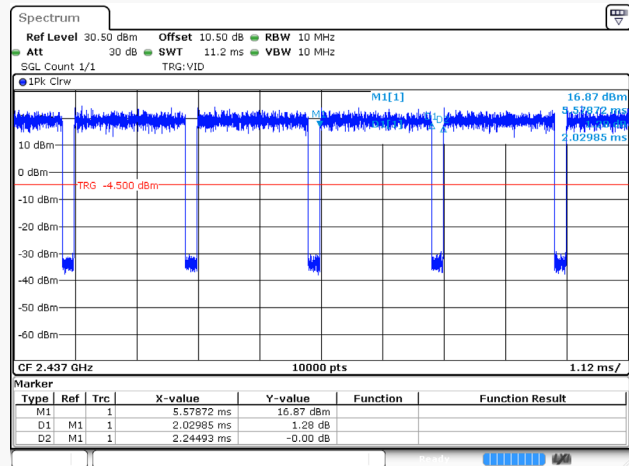
Duty Cycle:

802.11b Mode Middle Channel



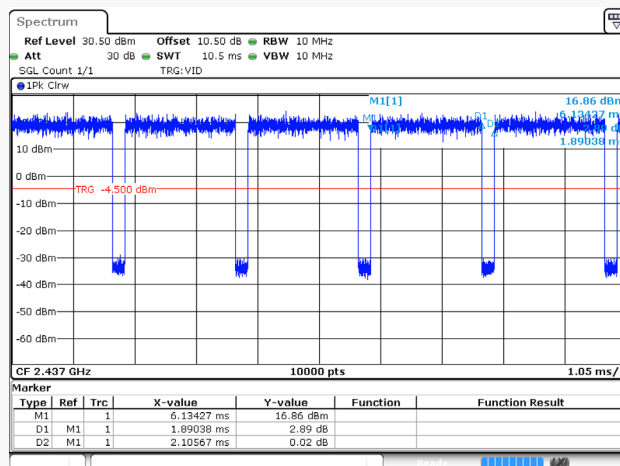
ProjectNo. RKSA260330001 Tester:Neil Zhou
Date: 15 JUN 2026 16:58:53

802.11g Mode Middle Channel



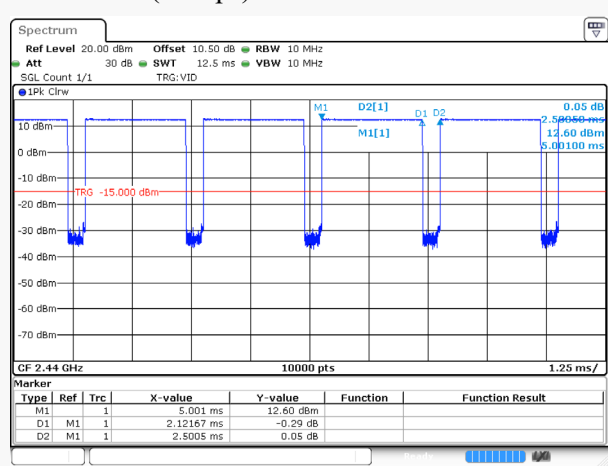
ProjectNo. RKSA260330001 Tester:Neil Zhou
Date: 15 APR 2026 16:11:01

802.11n-HT20 Mode Middle Channel



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Date: 15 APR 2026 16:28:58

BLE(1Mbps) Mode Middle Channel



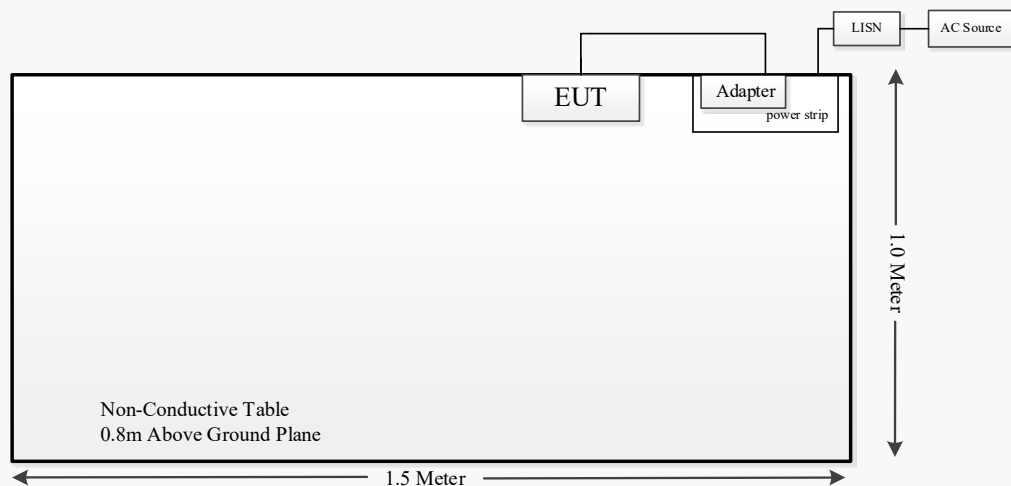
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Date: 28 APR 2026 17:36:35

Support Equipment List and Details

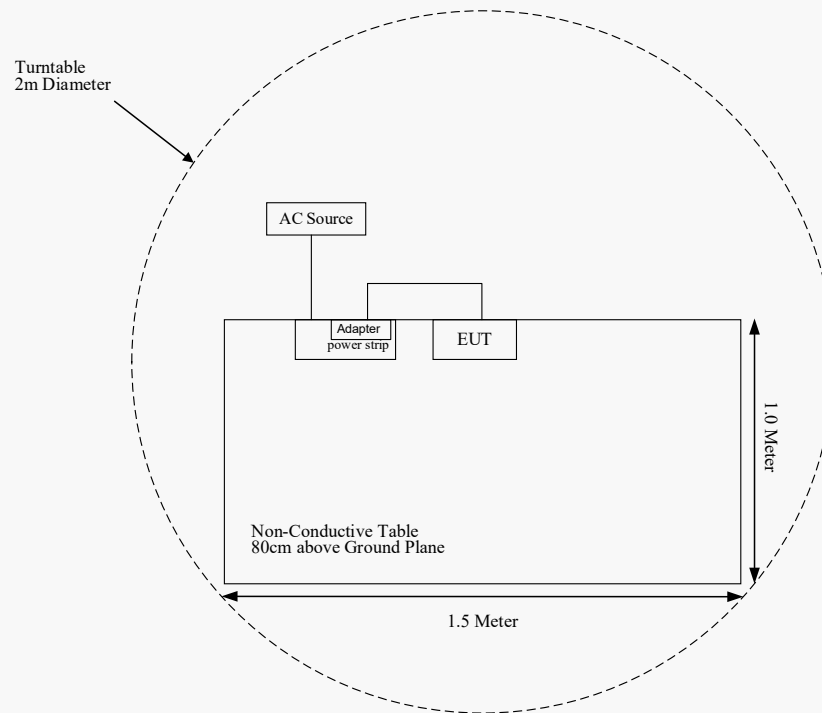
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
SHENZHEN TEKA TECHNOLOGY CO.,LTD.	Adapter	TEKA-UCA10US	/
/	Power strip	/	/

External I/O Cable

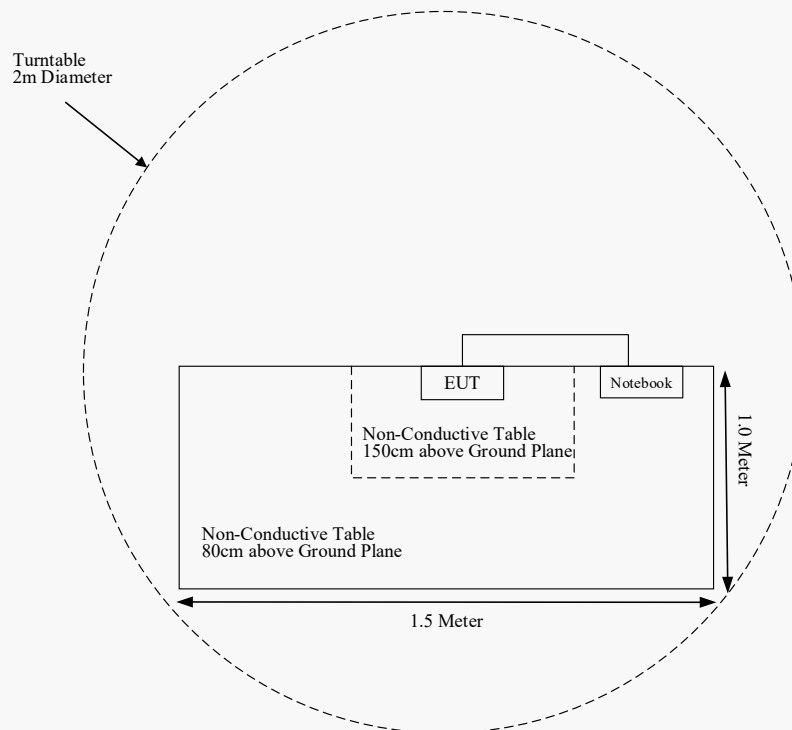
Cable Description	Length (m)	From Port	To Port
Power Cable	1.0	AC Source/LISN	Adapter
USB Cable 1	0.5	Adapter	EUT
USB Cable 2	1.2	EUT	Notebook

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)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
§15.247(d)	Conducted Spurious Emission	Compliant
§15.247(e)	Power Spectral Density	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
Anritsu	Power Sensor	MA24418A	12621	2026-03-13	2027-03-12
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)				
BLE	2402-2480	-12	0.06	5.0	0.02	3.0	Yes

Note:

1. For the above tune up power were declared by the manufacturer.
2. For 2.4G Wi-Fi, please refer to the SAR report: RKSA260330001-20B.

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.

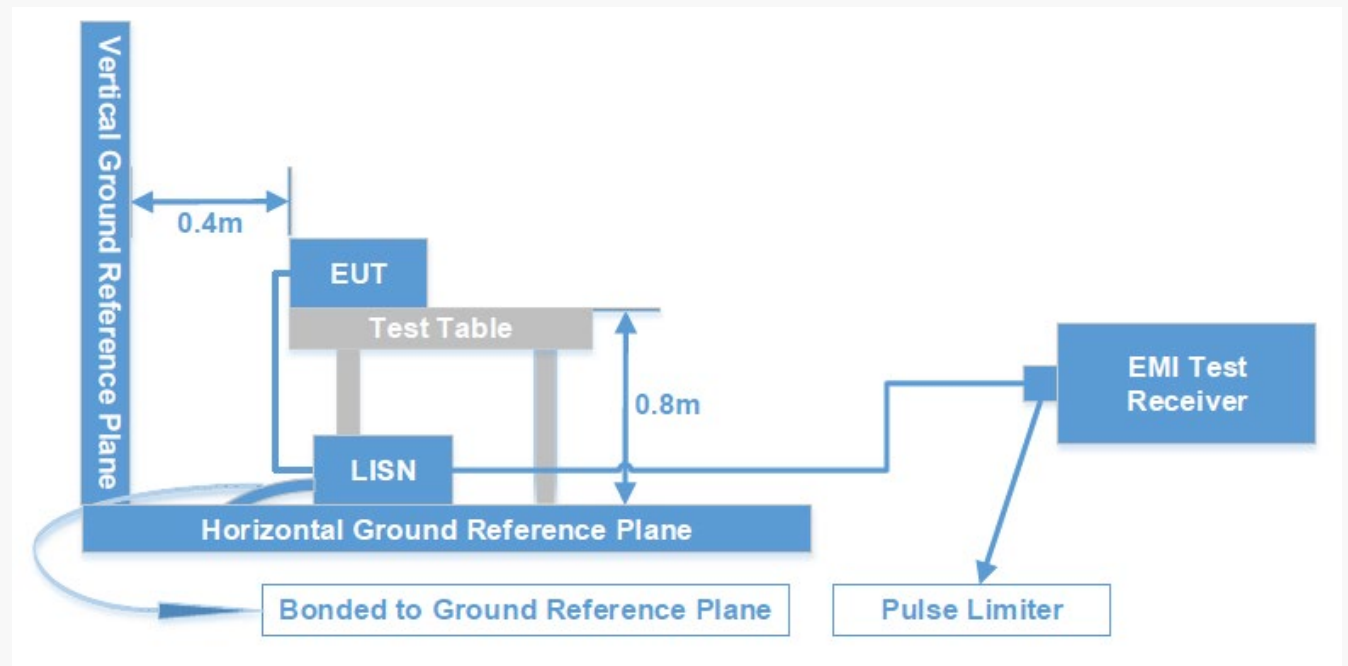
Result: Compliant.

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.

The spacing between the peripherals was 10 cm.

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 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:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

Level (dBμV) = Read level (dBμV) + Factor (dB)

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:

Over Limit (dB) = Level (dBμV) - Limit (dBμV)

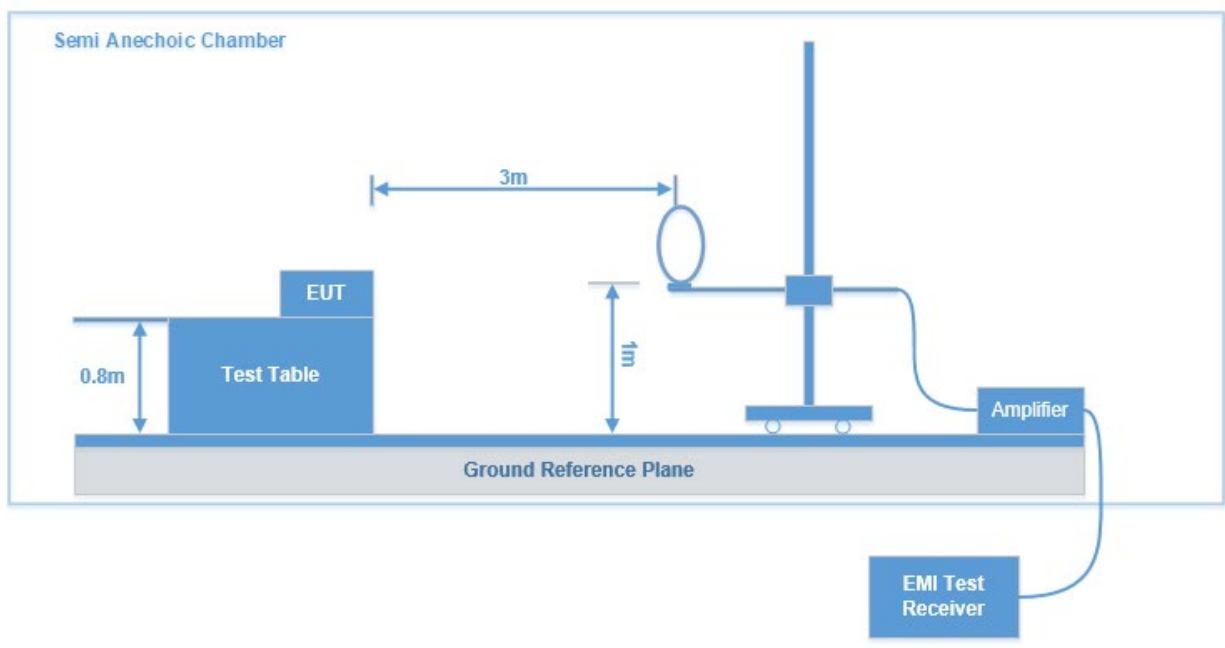
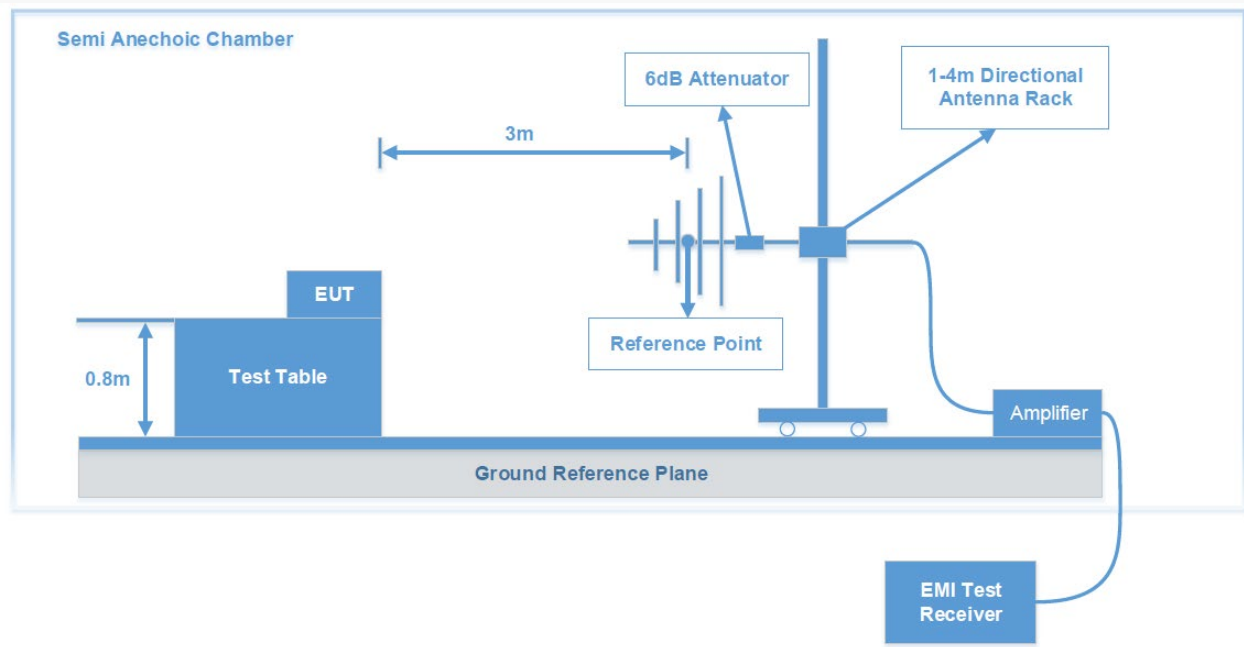
Test Results Summary

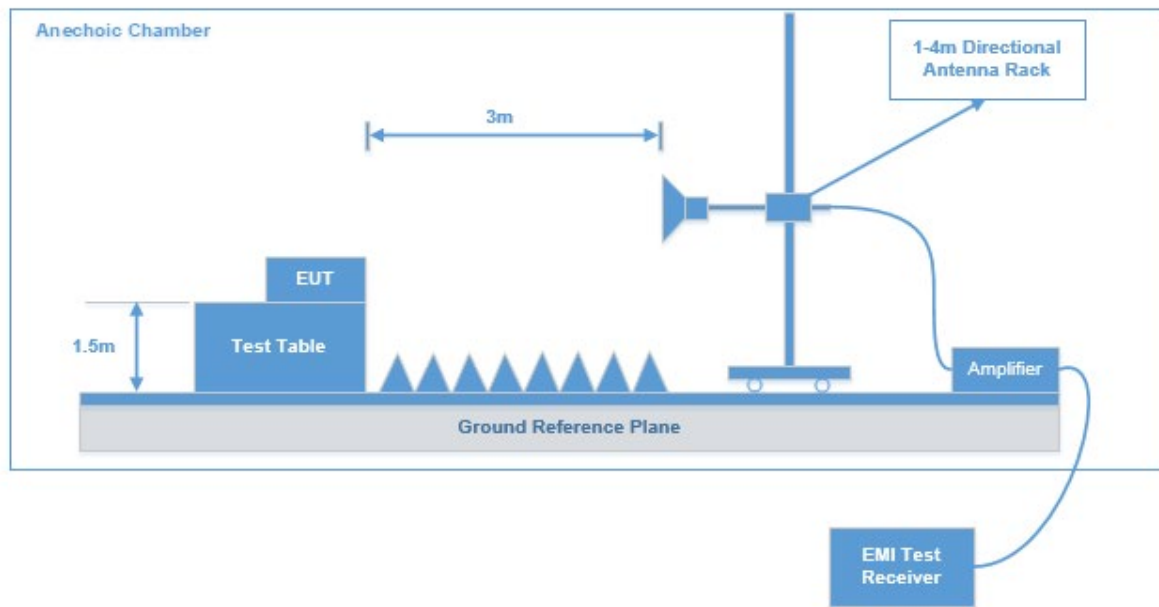
According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data: See Appendix

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS**Applicable Standard**

FCC §15.247 (d); §15.209; §15.205;

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

Above 1 GHz:

The radiated emission tests were performed in the 3 meters test site, 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:

Corrected Amplitude (dB μ V/m) = Meter Reading (dB μ V) + Antenna Factor (dB/m) + Cable Loss (dB) - 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:

Margin (dB) = Limit (dB μ V/m) – Corrected Amplitude (dB μ 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, and Subpart C, section 15.205, 15.209 and 15.247.

Test Data: See Appendix

FCC §15.247(A) (2) - 6 DB EMISSION BANDWIDTH

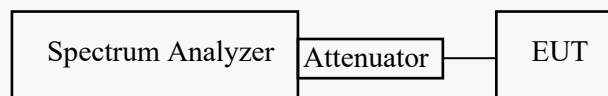
Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Procedure

According to ANSI C63.10-2020 sub-clause 11.8.1

- a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Sweep = No faster than coupled (auto) time.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “– 6 dB down amplitude” . If a marker is below this “– 6 dB down amplitude” value, then it shall be as close as possible to this value.



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

Test Data: See Appendix

FCC §15.247(B) (3) - MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, Compliant with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

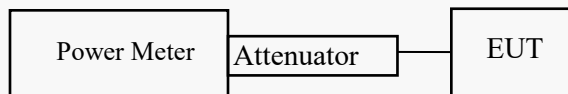
For 2.4G Wi-Fi:

According to ANSI C63.10-2020 sub-clause 11.9.1.2

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

11.9.2.3.2 Method AVGPM-G

Method AVGPM-G is a measurement using a gated RF average power meter. Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.



For BLE:

According to ANSI C63.10-2020 sub-clause 11.9.1.1

- a) Set the RBW $\geq$ DTS bandwidth.
- b) Set VBW $\geq [3 \times \text{RBW}]$.
- c) Set span $\geq [3 \times \text{RBW}]$.
- d) Sweep time = No faster than coupled (auto) time.
- e) Detector = peak.
- f) Trace mode = max-hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.



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

Test Data: See Appendix

FCC §15.247(D) – 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE & CONDUCTED SPURIOUS EMISSION

Band Edges

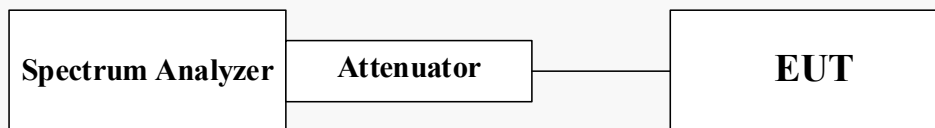
Applicable Standard

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 Compliant 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 Section 11.11

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 its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 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

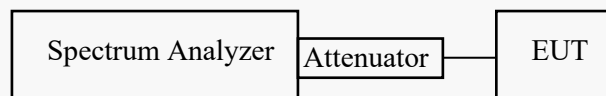
Applicable Standard

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

According to ANSI C63.10-2020 Section 11.11

- a) Set the center frequency and span to encompass frequency range to be measured
 - b) Set the RBW = 100 kHz.
 - c) Set the VBW $\geq [3 \times \text{RBW}]$.
 - d) Detector = peak.
 - e) Sweep time = No faster than coupled (auto) time.
 - f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) Use the peak marker function to determine the maximum amplitude level.
- Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.



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

Test Data: See Appendix

FCC §15.247(E) - POWER SPECTRAL DENSITY

Applicable Standard

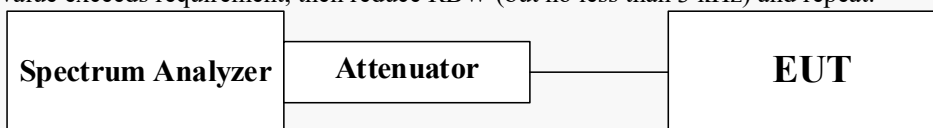
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

According to ANSI C63.10-2020 sub-clause 11.10.2

The following procedure shall be used if maximum peak conducted output power was used to determine Compliant, and it is optional if the maximum conducted (average) output power was used to determine Compliant:

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span >1.5 times the DTS bandwidth.
- c) Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq [3 \times \text{RBW}]$.
- e) Detector = peak.
- f) Sweep time = No faster than coupled (auto) time.
- g) Trace mode = max-hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.



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

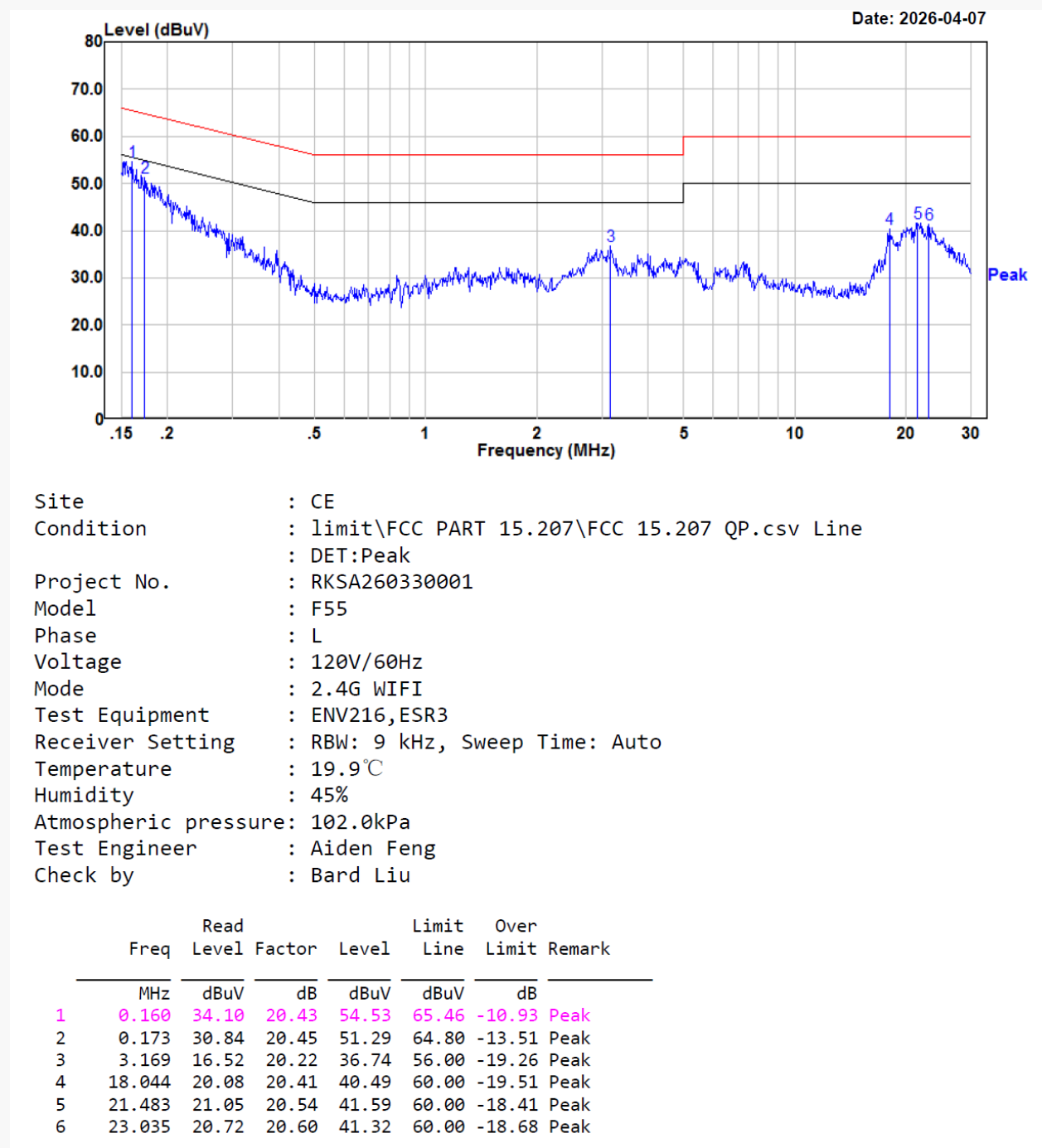
Test Data: See Appendix

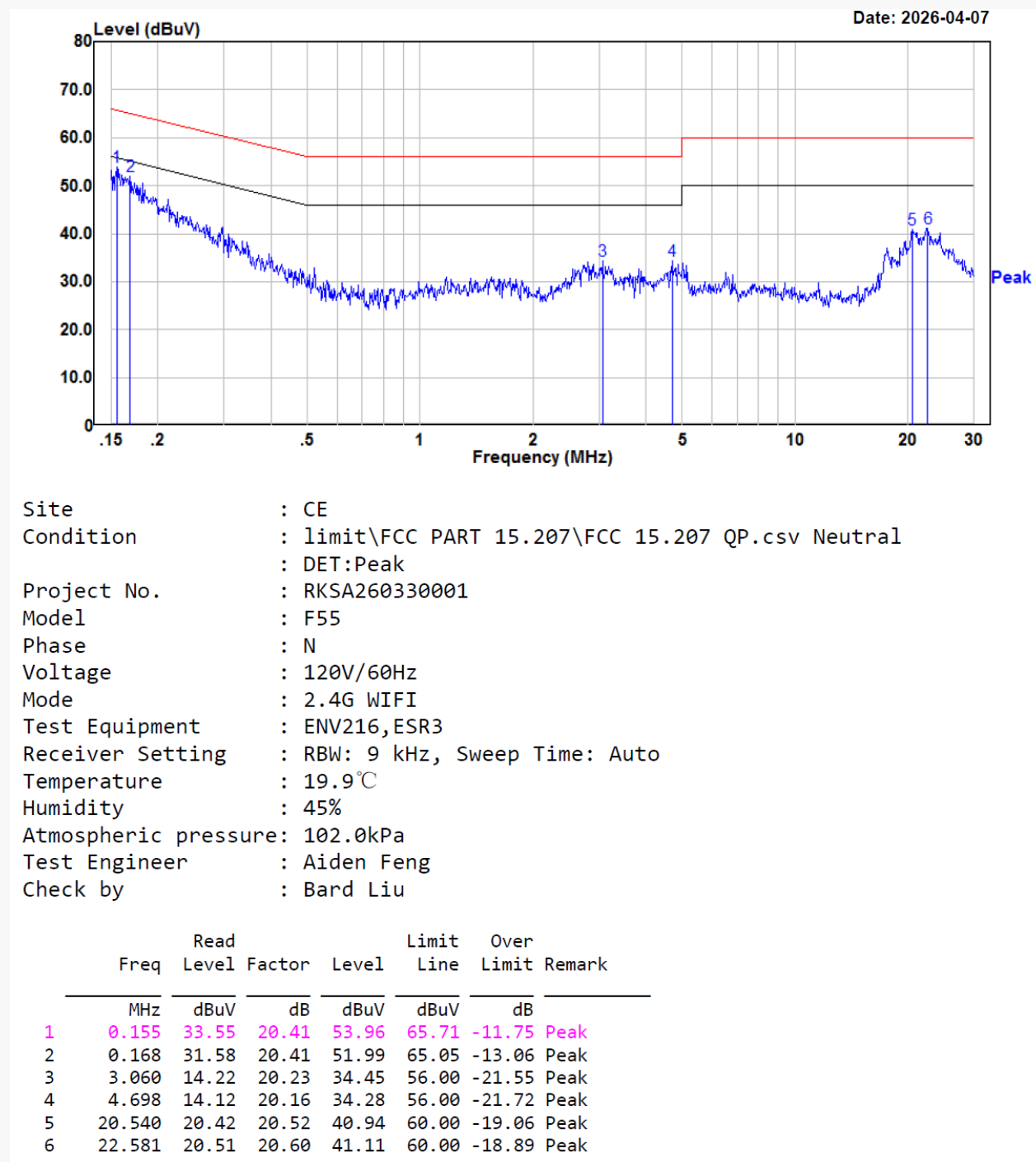
APPENDIX - TEST DATA

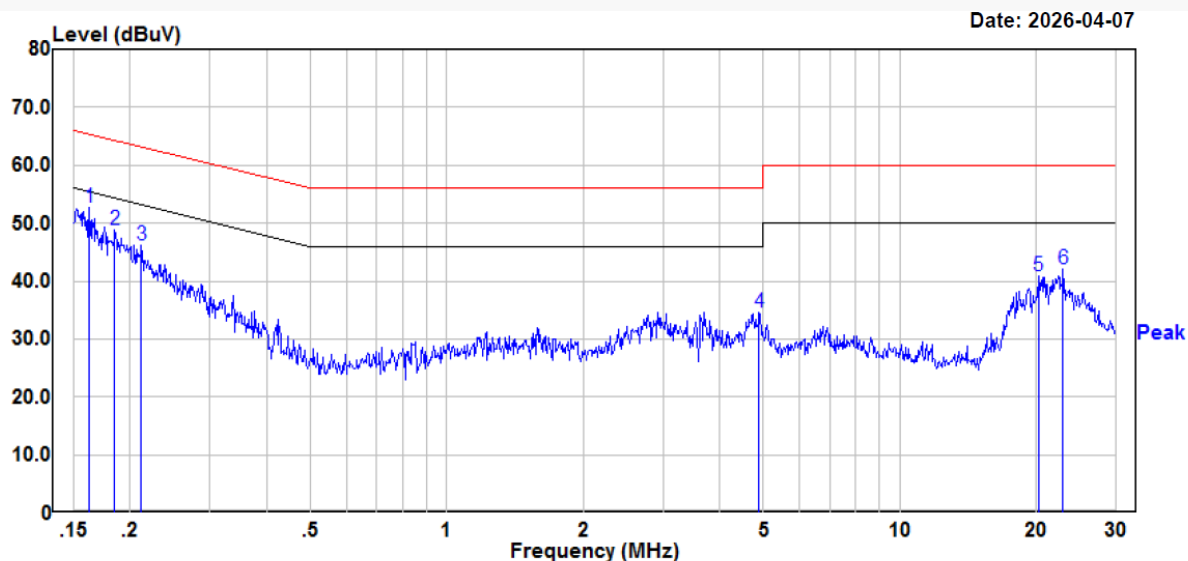
AC LINE CONDUCTED EMISSIONS

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

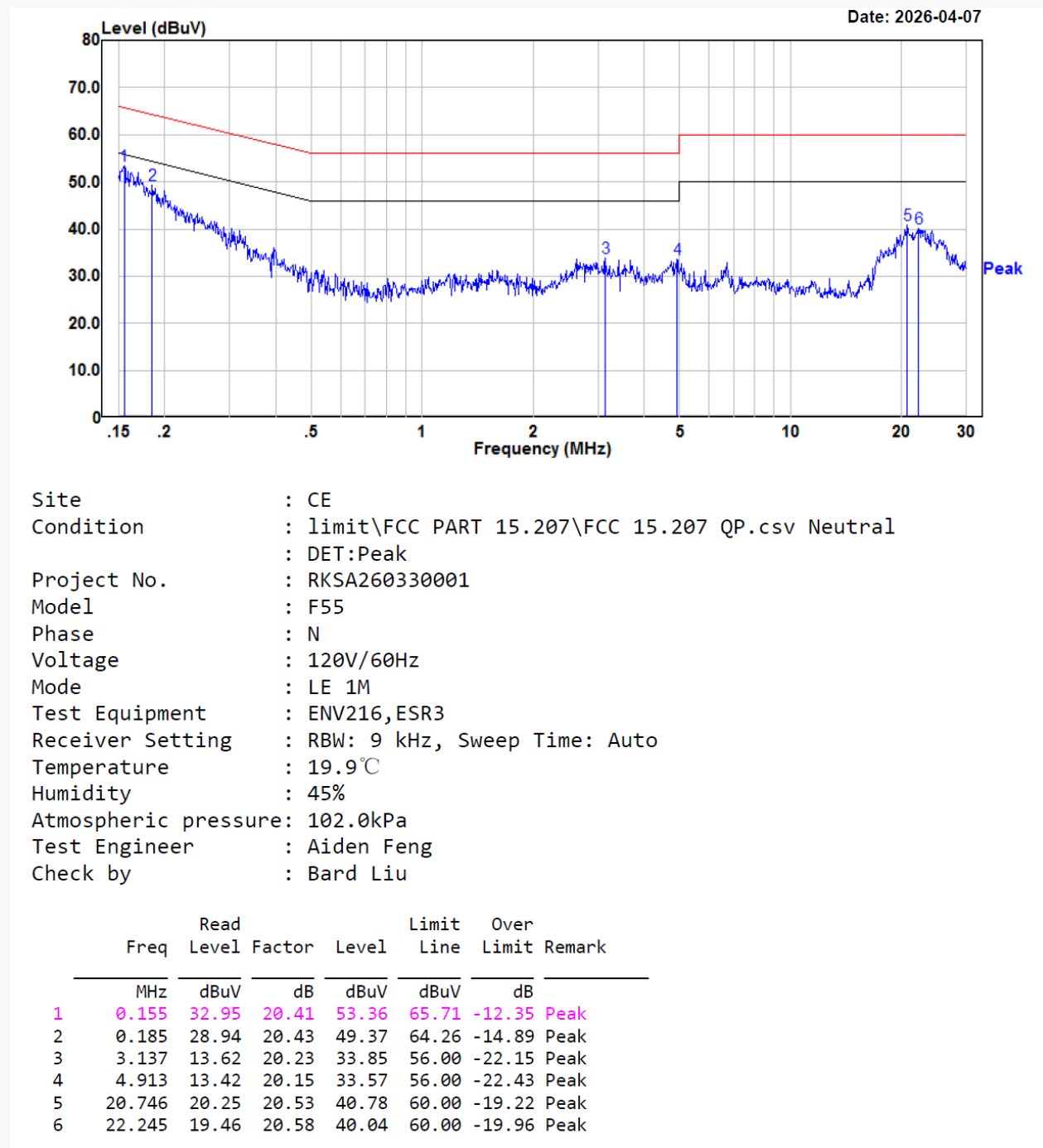
For Wi-Fi Mode:*EUT operation mode: Transmitting in maximum output power mode and 802.11g mode low channel*



For BLE Mode:*EUT operation mode: Transmitting in BLE (1 Mbps) low channel (maximum output power)*

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 : LE 1M
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

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.162	32.31	20.43	52.74	65.34	-12.60	Peak
2	0.185	28.27	20.47	48.74	64.26	-15.52	Peak
3	0.212	25.74	20.47	46.21	63.14	-16.93	Peak
4	4.889	14.37	20.13	34.50	56.00	-21.50	Peak
5	20.235	20.34	20.49	40.83	60.00	-19.17	Peak
6	22.921	21.38	20.60	41.98	60.00	-18.02	Peak



SPURIOUS EMISSIONS**Environmental Conditions & Test Information**

Test Item:	SPURIOUS EMISSIONS			
	9kHz – 30MHz	30MHz - 1GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2026-04-08	2026-04-20	2026-04-10~2026-04-25	2026-05-13
Temperature:	19.0 °C	20.7 °C	18.2°C~19.8 °C	24 °C
Relative Humidity:	48 %	58 %	48 %~50 %	47 %
ATM Pressure:	102.0 kPa	101.7 kPa	101.1 kPa ~101.7 kPa	103.1 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Hugh Wu

Test Result: Compliant

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

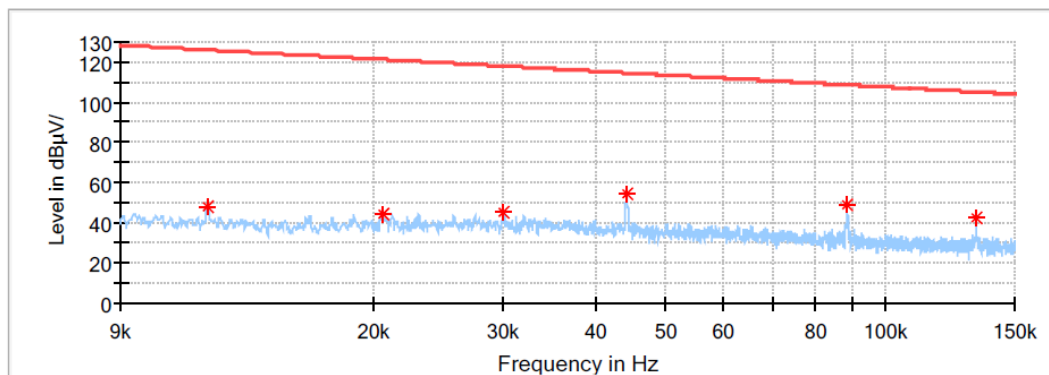
EUT operation mode: Transmitting

For Wi-Fi Mode:

9 kHz-150 kHz: (Transmitting in maximum output power mode and 802.11g mode low channel)
Parallel(worst case)

Low Channel: 2412MHz**Common Information**

Project No: RKSA260330001
EUT Model: F55
Test Mode: Transmitting in 802.11g 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**

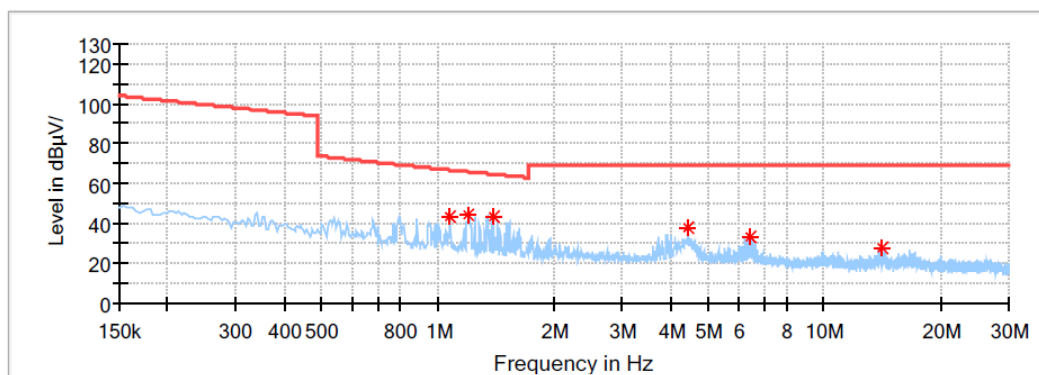
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.011838	47.75	126.10	78.35	Parallel	-0.2
0.020509	44.06	121.36	77.30	Parallel	-0.1
0.030062	45.14	118.04	72.90	Parallel	0.0
0.044232	54.44	114.68	60.25	Parallel	-2.3
0.088365	48.70	108.67	59.97	Parallel	-7.5
0.132763	42.32	105.15	62.83	Parallel	-9.9

150 kHz - 30 MHz: (Transmitting in maximum output power mode and 802.11g mode low channel)
Parallel(worst case)

Low Channel: 2412MHz

Common Information

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in 802.11g 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: 9k Hz, VBW: 30 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

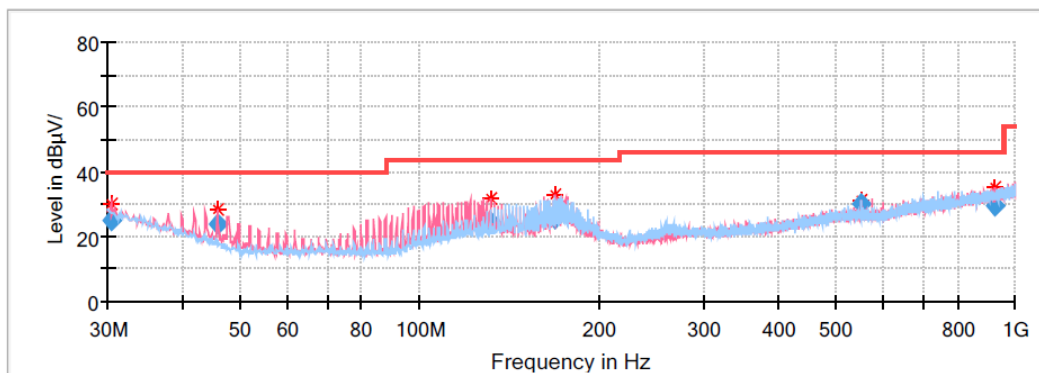


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1.071619	43.65	66.80	23.15	Parallel	-27.3
1.198481	44.41	65.86	21.45	Parallel	-27.7
1.388775	43.27	64.64	21.37	Parallel	-28.4
4.429744	37.79	69.54	31.75	Parallel	-31.3
6.418500	33.56	69.54	35.98	Parallel	-31.6
14.183231	27.76	69.54	41.78	Parallel	-32.2

30MHz-1GHz (Transmitting in maximum output power 802.11g mode and low channel):**Low Channel: 2412MHz****Common Information**

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in 802.11g 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**

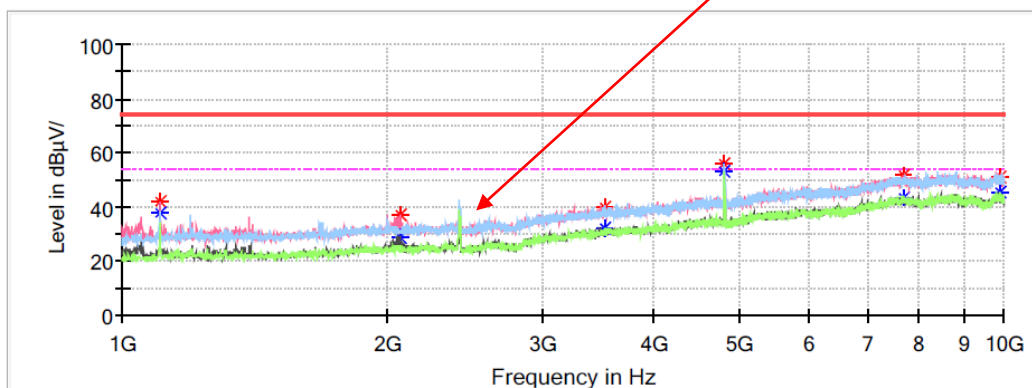
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/ma)
30.363750	24.99	40.00	15.01	V	-4.8
45.762500	23.78	40.00	16.22	V	-14.6
131.850000	24.50	43.50	19.00	V	-10.9
169.558750	25.45	43.50	18.05	V	-12.6
551.981250	29.85	46.00	16.15	V	-4.3
925.795000	29.47	46.00	16.53	V	1.8

1GHz-10GHz:**802.11b Mode:****Low Channel: 2412MHz****Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	2.4G WIFI 802.11b 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:	18.2℃
Humidity:	48%
Atmospheric Pressure:	101.1kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/10

Fundamental Test with
Band Reject Filter

Full Spectrum

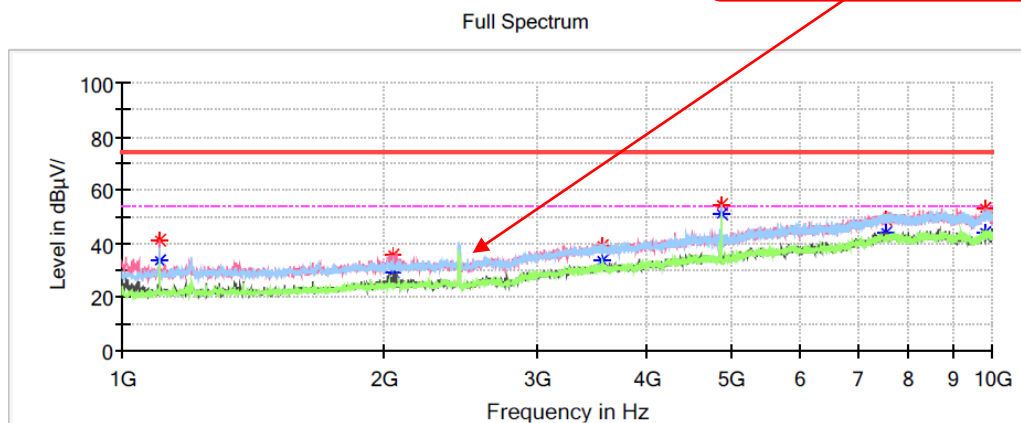
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	41.80	---	74.00	32.20	V	-14.7
1103.500000	---	37.93	54.00	16.07	V	-14.7
2065.600000	---	29.00	54.00	25.00	V	-10.5
2065.600000	36.84	---	74.00	37.16	V	-10.5
3529.900000	---	31.84	54.00	22.16	H	-5.2
3529.900000	39.95	---	74.00	34.05	H	-5.2
4824.100000	---	52.84	54.00	1.16	H	-2.3
4824.100000	55.83	---	74.00	18.17	H	-2.3
7686.100000	---	43.58	54.00	10.42	V	4.4
7686.100000	52.03	---	74.00	21.97	V	4.4
9911.800000	50.92	---	74.00	23.08	H	7.2
9911.800000	---	45.64	54.00	8.36	H	7.2

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11b 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: 18.2°C
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

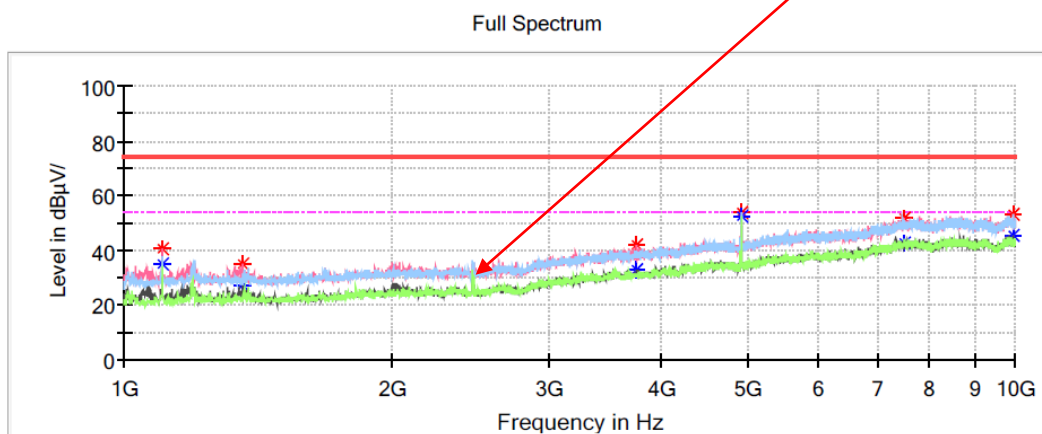
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	---	33.36	54.00	20.64	V	-14.7
1104.400000	41.07	---	74.00	32.93	V	-14.7
2049.400000	---	29.08	54.00	24.92	V	-10.5
2049.400000	35.87	---	74.00	38.13	V	-10.5
3568.600000	38.97	---	74.00	35.03	H	-5.1
3568.600000	---	33.54	54.00	20.46	H	-5.1
4873.600000	---	51.19	54.00	2.81	H	-2.1
4874.500000	54.49	---	74.00	19.51	H	-2.1
7548.400000	49.16	---	74.00	24.84	V	4.4
7548.400000	---	43.78	54.00	10.22	V	4.4
9819.100000	---	43.81	54.00	10.19	H	6.9
9819.100000	52.92	---	74.00	21.08	H	6.9

High Channel: 2462MHz**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11b 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

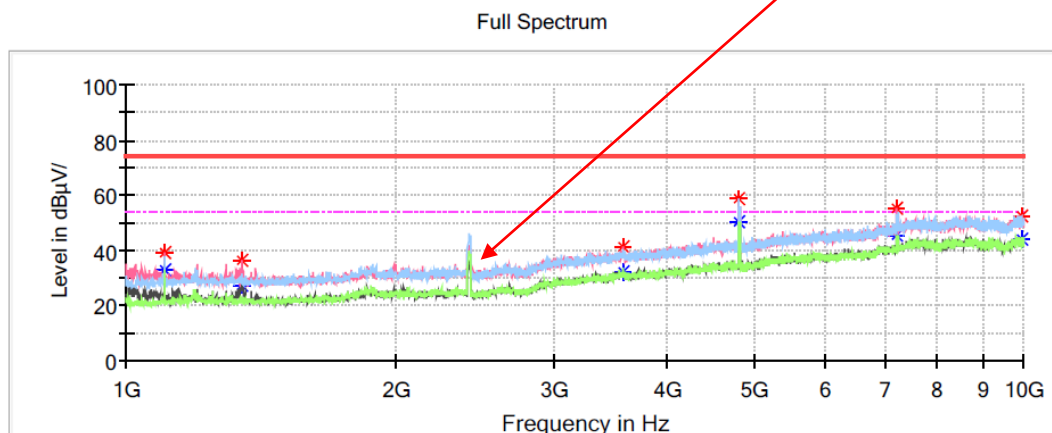
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1105.300000	---	34.70	54.00	19.30	V	-14.7
1105.300000	40.36	---	74.00	33.64	V	-14.7
1359.100000	---	27.22	54.00	26.78	V	-13.7
1359.100000	35.02	---	74.00	38.98	V	-13.7
3753.100000	---	32.95	54.00	21.05	V	-4.6
3753.100000	41.89	---	74.00	32.11	V	-4.6
4924.000000	---	52.69	54.00	1.31	H	-2.0
4924.000000	54.16	---	74.00	19.84	H	-2.0
7507.900000	---	42.67	54.00	11.33	V	4.4
7507.900000	52.01	---	74.00	21.99	V	4.4
9935.200000	52.83	---	74.00	21.17	H	7.2
9935.200000	---	45.55	54.00	8.45	H	7.2

802.11g Mode:**Low Channel: 2412MHz****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11g 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

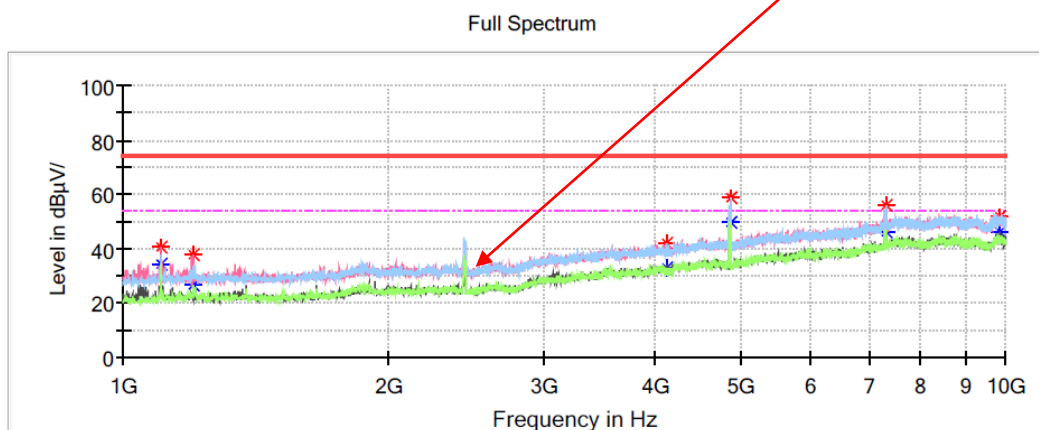
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	---	33.13	54.00	20.87	V	-14.7
1103.500000	39.30	---	74.00	34.70	V	-14.7
1343.800000	---	27.46	54.00	26.54	V	-13.7
1343.800000	36.09	---	74.00	37.91	V	-13.7
3583.900000	---	31.82	54.00	22.18	H	-5.0
3583.900000	40.96	---	74.00	33.04	H	-5.0
4819.600000	58.52	---	74.00	15.48	H	-2.3
4822.300000	---	50.41	54.00	3.59	H	-2.3
7232.500000	---	45.37	54.00	8.63	V	3.5
7232.500000	55.03	---	74.00	18.97	V	3.5
9928.900000	---	44.05	54.00	9.95	H	7.2
9928.900000	52.55	---	74.00	21.45	H	7.2

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11g 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: 18.2°C
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

**Critical_Freqs**

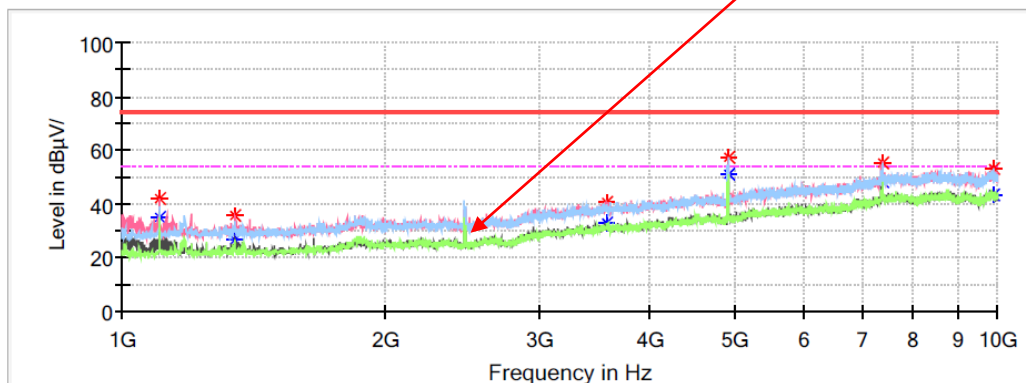
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	40.51	---	74.00	33.49	V	-14.7
1103.500000	---	34.39	54.00	19.61	V	-14.7
1199.800000	37.81	---	74.00	36.19	V	-14.3
1199.800000	---	26.80	54.00	27.20	V	-14.3
4135.600000	---	33.21	54.00	20.79	H	-3.8
4135.600000	42.28	---	74.00	31.72	H	-3.8
4873.600000	58.44	---	74.00	15.56	H	-2.1
4873.600000	---	49.99	54.00	4.01	H	-2.1
7313.500000	55.96	---	74.00	18.04	H	3.8
7313.500000	---	46.12	54.00	7.88	H	3.8
9835.300000	51.55	---	74.00	22.45	V	6.9
9835.300000	---	45.85	54.00	8.15	V	6.9

High Channel: 2462MHz**Common Information**

Project No.:	RKSA260330001
EUT Model:	F55
Test Mode:	2.4G WIFI 802.11g 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:	18.2°C
Humidity:	48%
Atmospheric Pressure:	101.1kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/4/10

Fundamental Test with
Band Reject Filter

Full Spectrum

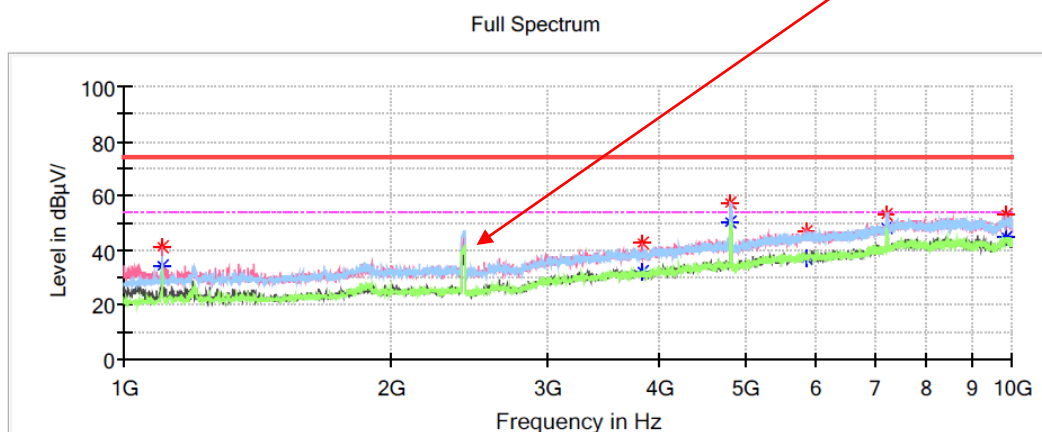
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	---	34.65	54.00	19.35	V	-14.7
1103.500000	42.17	---	74.00	31.83	V	-14.7
1344.700000	35.49	---	74.00	38.51	H	-13.7
1346.500000	---	26.71	54.00	27.29	H	-13.7
3584.800000	40.54	---	74.00	33.46	V	-5.0
3584.800000	---	32.93	54.00	21.07	V	-5.0
4924.000000	---	51.10	54.00	2.90	H	-2.0
4924.900000	57.62	---	74.00	16.38	H	-2.0
7385.500000	54.94	---	74.00	19.06	V	4.0
7385.500000	---	48.33	54.00	5.67	V	4.0
9913.600000	---	43.61	54.00	10.39	H	7.2
9913.600000	53.10	---	74.00	20.90	H	7.2

802.11n-HT20 Mode:**Low Channel: 2412MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11n20 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: 18.2℃
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

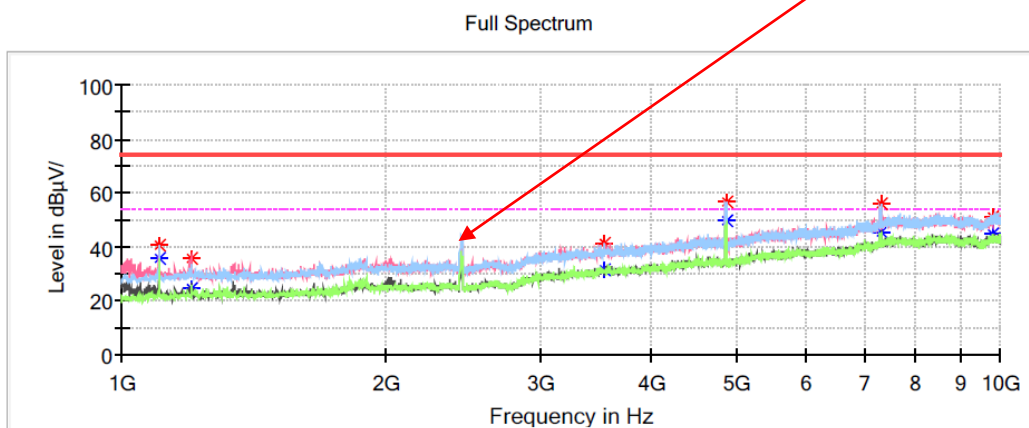
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	---	33.94	54.00	20.06	V	-14.7
1103.500000	41.59	---	74.00	32.41	V	-14.7
3837.700000	---	32.27	54.00	21.73	V	-4.4
3837.700000	42.48	---	74.00	31.52	V	-4.4
4824.100000	57.44	---	74.00	16.56	H	-2.3
4824.100000	---	50.44	54.00	3.56	H	-2.3
5854.600000	---	37.38	54.00	16.62	H	0.2
5854.600000	47.04	---	74.00	26.96	H	0.2
7234.300000	53.25	---	74.00	20.75	H	3.5
7234.300000	---	48.16	54.00	5.84	H	3.5
9835.300000	---	44.55	54.00	9.45	V	6.9
9835.300000	53.21	---	74.00	20.79	V	6.9

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11n20 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

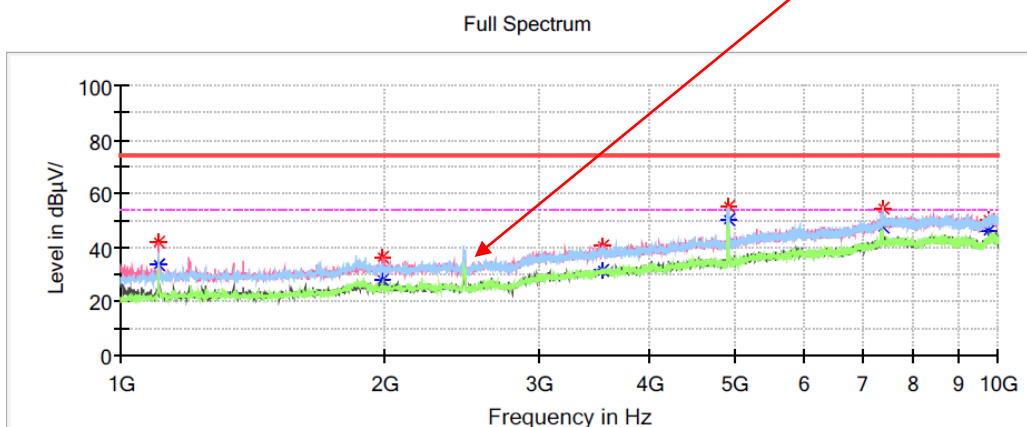
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1103.500000	---	35.62	54.00	18.38	H	-14.7
1103.500000	40.25	---	74.00	33.75	H	-14.7
1198.000000	---	24.51	54.00	29.49	V	-14.3
1198.000000	35.69	---	74.00	38.31	V	-14.3
3536.200000	---	31.65	54.00	22.35	H	-5.2
3536.200000	41.14	---	74.00	32.86	H	-5.2
4875.400000	---	49.93	54.00	4.07	H	-2.1
4875.400000	56.48	---	74.00	17.52	H	-2.1
7309.900000	---	45.77	54.00	8.23	H	3.8
7309.900000	55.71	---	74.00	18.29	H	3.8
9820.000000	50.90	---	74.00	23.10	V	6.9
9820.000000	---	44.87	54.00	9.13	V	6.9

High Channel: 2462MHz**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11n20 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Fundamental Test with
Band Reject Filter

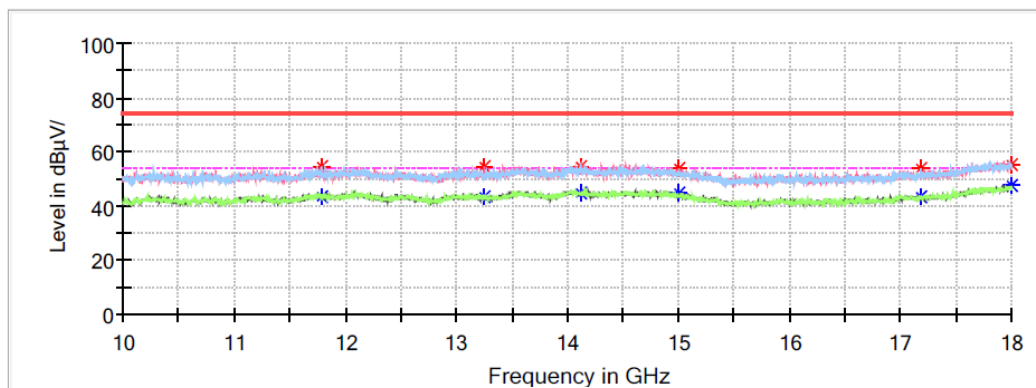
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1104.400000	---	33.58	54.00	20.42	V	-14.7
1105.300000	42.03	---	74.00	31.97	V	-14.7
1989.100000	36.05	---	74.00	37.95	V	-10.7
1989.100000	---	27.95	54.00	26.05	V	-10.7
3539.800000	---	31.16	54.00	22.84	H	-5.2
3539.800000	40.55	---	74.00	33.45	H	-5.2
4924.000000	55.43	---	74.00	18.57	H	-2.0
4924.000000	---	50.62	54.00	3.38	H	-2.0
7388.200000	---	47.62	54.00	6.38	V	4.0
7388.200000	54.85	---	74.00	19.15	V	4.0
9751.600000	50.64	---	74.00	23.36	V	6.6
9751.600000	---	46.00	54.00	8.00	V	6.6

10GHz-18GHz:**802.11b Mode:****Low Channel: 2412MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11b 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: 18.2℃
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Full Spectrum

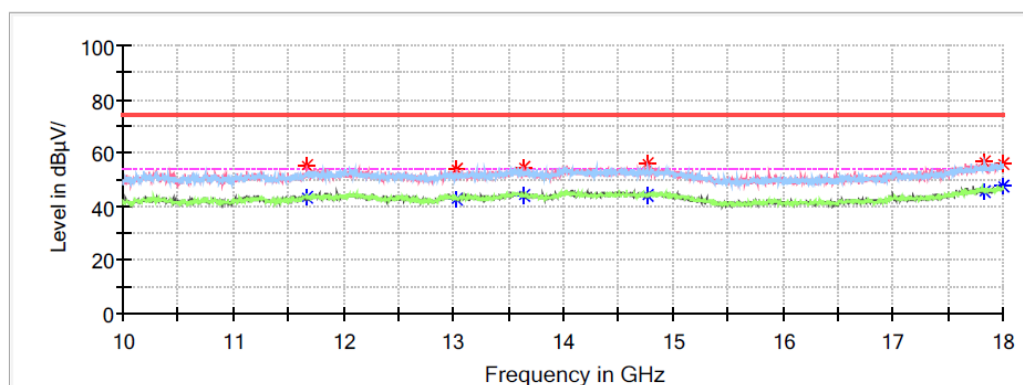
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11785.600000	54.86	---	74.00	19.14	H	8.7
11785.600000	---	43.45	54.00	10.55	H	8.7
13246.400000	54.65	---	74.00	19.35	V	9.2
13246.400000	---	43.71	54.00	10.29	V	9.2
14112.000000	54.89	---	74.00	19.11	V	10.7
14112.000000	---	44.48	54.00	9.52	V	10.7
14998.400000	---	44.42	54.00	9.58	V	9.4
14998.400000	53.88	---	74.00	20.12	V	9.4
17184.000000	54.16	---	74.00	19.84	H	10.0
17184.000000	---	43.31	54.00	10.69	H	10.0
17995.200000	55.14	---	74.00	18.86	H	13.8
17995.200000	---	47.36	54.00	6.64	H	13.8

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11b 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: 18.2°C
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Full Spectrum

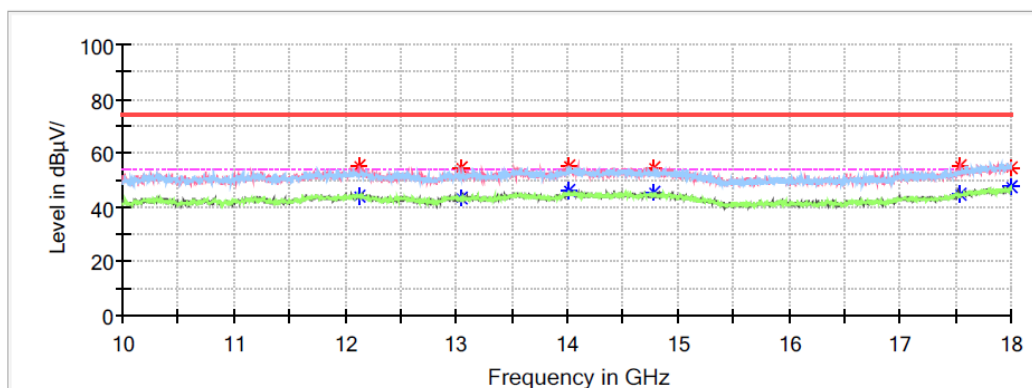
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11665.600000	55.06	---	74.00	18.94	V	8.5
11665.600000	---	43.28	54.00	10.72	V	8.5
13025.600000	53.64	---	74.00	20.36	V	8.8
13025.600000	---	42.97	54.00	11.03	V	8.8
13641.600000	54.54	---	74.00	19.46	H	9.9
13641.600000	---	44.15	54.00	9.85	H	9.9
14772.800000	55.76	---	74.00	18.24	H	10.2
14772.800000	---	44.37	54.00	9.63	H	10.2
17836.800000	56.45	---	74.00	17.55	V	12.8
17836.800000	---	45.64	54.00	8.36	V	12.8
17998.400000	---	47.83	54.00	6.17	H	13.8
17998.400000	56.20	---	74.00	17.80	H	13.8

High Channel: 2462MHz**Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11b 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: 18.2°C
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Full Spectrum

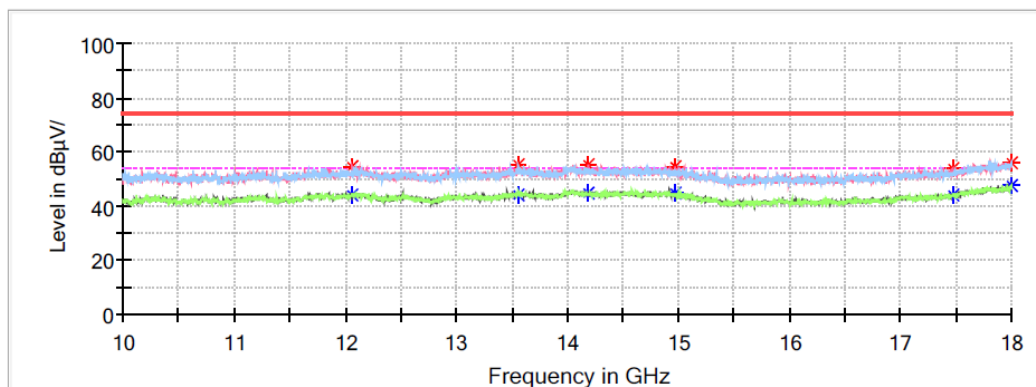
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12121.600000	---	44.24	54.00	9.76	V	9.0
12121.600000	55.14	---	74.00	18.86	V	9.0
13051.200000	---	43.49	54.00	10.51	V	8.8
13051.200000	54.61	---	74.00	19.39	V	8.8
14022.400000	54.93	---	74.00	19.07	H	10.7
14022.400000	---	46.26	54.00	7.74	H	10.7
14782.400000	---	45.49	54.00	8.51	H	10.1
14782.400000	54.20	---	74.00	19.80	H	10.1
17532.800000	55.04	---	74.00	18.96	V	11.0
17532.800000	---	44.87	54.00	9.13	V	11.0
17992.000000	---	47.41	54.00	6.59	H	13.8
17992.000000	54.73	---	74.00	19.27	H	13.8

802.11g Mode :**Low Channel: 2412MHz****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11g 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: 18.2℃
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum

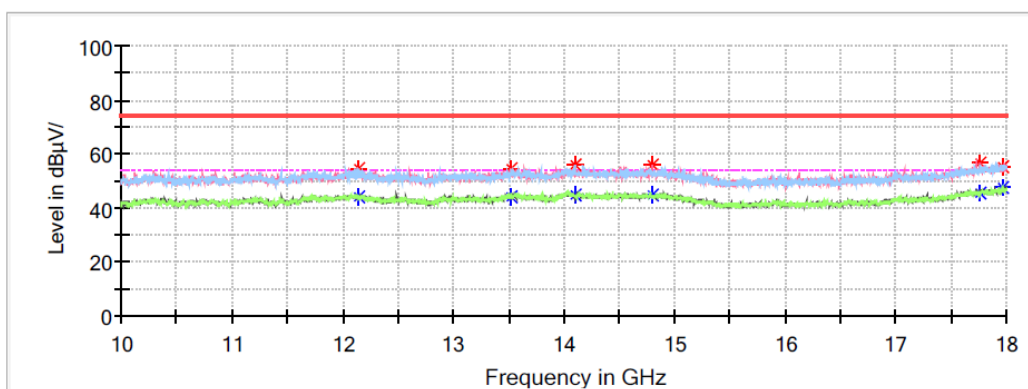
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12067.200000	54.55	---	74.00	19.45	V	9.0
12067.200000	---	44.13	54.00	9.87	V	9.0
13553.600000	---	44.31	54.00	9.69	H	9.8
13553.600000	55.20	---	74.00	18.80	H	9.8
14184.000000	---	44.58	54.00	9.42	V	10.8
14184.000000	55.08	---	74.00	18.92	V	10.8
14968.000000	54.87	---	74.00	19.13	V	9.5
14968.000000	---	44.69	54.00	9.31	V	9.5
17464.000000	---	44.37	54.00	9.63	V	10.7
17464.000000	53.84	---	74.00	20.16	V	10.7
17992.000000	---	47.48	54.00	6.52	H	13.8
17992.000000	56.09	---	74.00	17.91	H	13.8

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11g 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: 18.2℃
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum

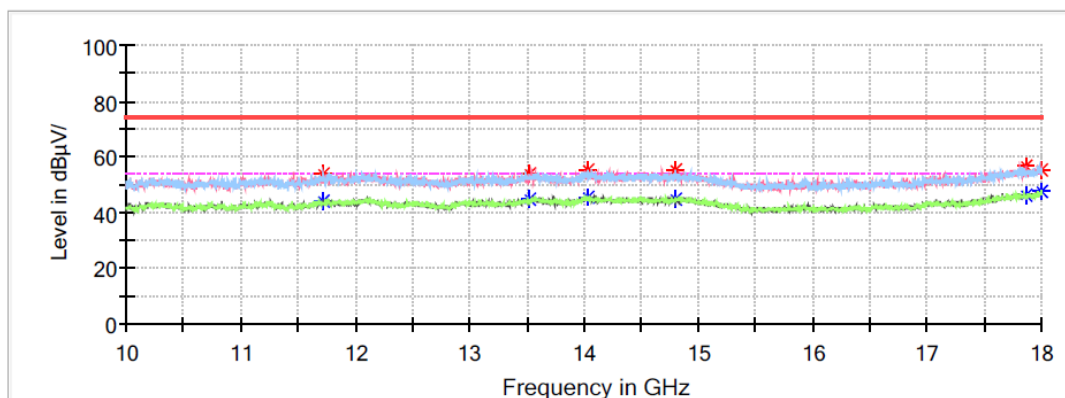
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12144.000000	---	44.01	54.00	9.99	V	9.0
12144.000000	54.79	---	74.00	19.21	V	9.0
13521.600000	---	44.25	54.00	9.75	V	9.7
13521.600000	54.68	---	74.00	19.32	V	9.7
14097.600000	---	44.64	54.00	9.36	H	10.7
14097.600000	55.70	---	74.00	18.30	H	10.7
14804.800000	---	44.47	54.00	9.53	V	10.0
14804.800000	55.66	---	74.00	18.34	V	10.0
17758.400000	---	45.56	54.00	8.44	V	12.4
17758.400000	56.86	---	74.00	17.14	V	12.4
17968.000000	---	47.48	54.00	6.52	H	13.6
17968.000000	55.05	---	74.00	18.95	H	13.6

High Channel: 2462MHz**Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11g 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: 18.2°C
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Full Spectrum

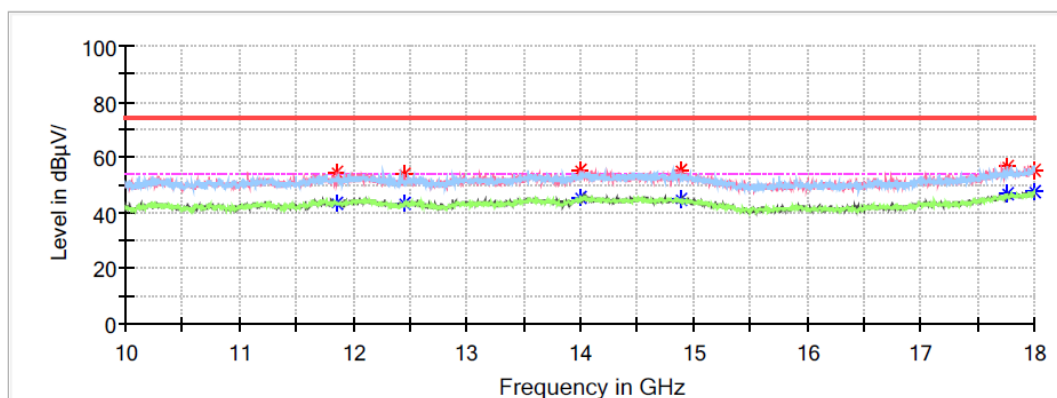
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11726.400000	---	44.18	54.00	9.82	V	8.6
11726.400000	54.09	---	74.00	19.91	V	8.6
13520.000000	---	44.54	54.00	9.46	V	9.7
13520.000000	53.68	---	74.00	20.32	V	9.7
14028.800000	---	45.55	54.00	8.45	H	10.7
14028.800000	55.40	---	74.00	18.60	H	10.7
14795.200000	---	44.61	54.00	9.39	H	10.1
14795.200000	55.03	---	74.00	18.97	H	10.1
17860.800000	56.84	---	74.00	17.16	V	13.0
17860.800000	---	46.25	54.00	7.75	V	13.0
17996.800000	54.99	---	74.00	19.01	V	13.8
17996.800000	---	47.65	54.00	6.35	V	13.8

802.11n-HT20 Mode :**Low Channel: 2412MHz****Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11n20 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: 18.2℃
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Full Spectrum

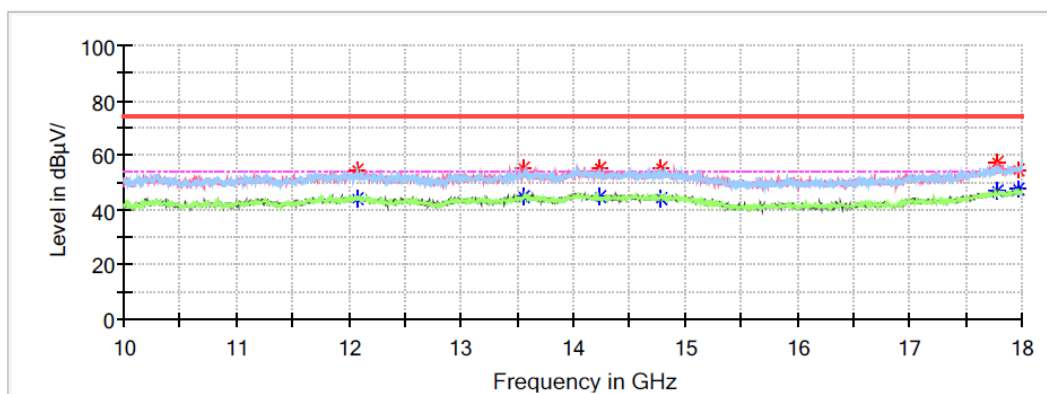
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11852.800000	---	43.52	54.00	10.48	V	8.8
11852.800000	54.66	---	74.00	19.34	V	8.8
12448.000000	---	43.09	54.00	10.91	V	8.8
12448.000000	54.11	---	74.00	19.89	V	8.8
14004.800000	---	45.59	54.00	8.41	V	10.6
14004.800000	55.52	---	74.00	18.48	V	10.6
14881.600000	---	44.85	54.00	9.15	H	9.8
14881.600000	55.04	---	74.00	18.96	H	9.8
17763.200000	---	47.09	54.00	6.91	H	12.4
17763.200000	56.90	---	74.00	17.10	H	12.4
17992.000000	---	47.33	54.00	6.67	H	13.8
17992.000000	55.26	---	74.00	18.74	H	13.8

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA260330001
 EUT Model: F55
 Test Mode: 2.4G WIFI 802.11n20 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: 18.2℃
 Humidity: 48%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/4/10

Full Spectrum

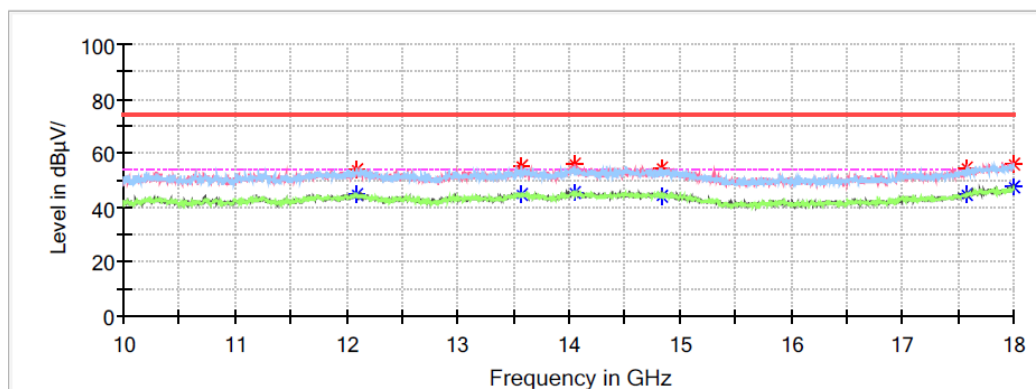
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12084.800000	---	44.17	54.00	9.83	H	9.0
12084.800000	54.83	---	74.00	19.17	H	9.0
13550.400000	---	44.58	54.00	9.42	V	9.7
13550.400000	55.05	---	74.00	18.95	V	9.7
14244.800000	---	44.49	54.00	9.51	H	10.9
14244.800000	55.18	---	74.00	18.82	H	10.9
14782.400000	---	44.38	54.00	9.62	H	10.1
14782.400000	55.27	---	74.00	18.73	H	10.1
17780.800000	---	46.81	54.00	7.19	V	12.5
17780.800000	57.04	---	74.00	16.96	V	12.5
17971.200000	54.81	---	74.00	19.19	H	13.7
17971.200000	---	47.62	54.00	6.38	H	13.7

High Channel: 2462MHz**Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11n20 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: 18.2℃
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum

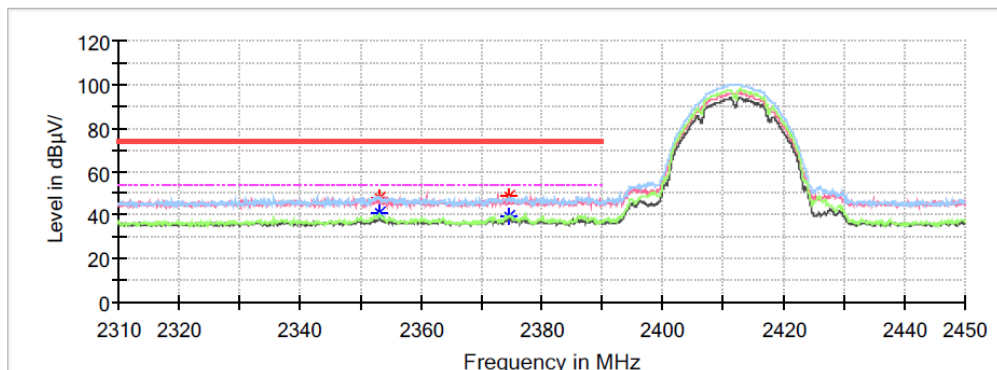
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12094.400000	---	44.89	54.00	9.11	V	9.0
12094.400000	53.94	---	74.00	20.06	V	9.0
13579.200000	---	44.55	54.00	9.45	H	9.8
13579.200000	55.40	---	74.00	18.60	H	9.8
14044.800000	---	45.29	54.00	8.71	V	10.7
14044.800000	55.62	---	74.00	18.38	V	10.7
14833.600000	---	44.15	54.00	9.85	V	9.9
14833.600000	54.80	---	74.00	19.20	V	9.9
17569.600000	---	44.67	54.00	9.33	H	11.2
17569.600000	54.84	---	74.00	19.16	H	11.2
17996.800000	---	47.78	54.00	6.22	H	13.8
17996.800000	55.95	---	74.00	18.05	H	13.8

**Band Edge:
802.11b Mode:****Low Channel****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11b 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum

**Critical_Freqs**

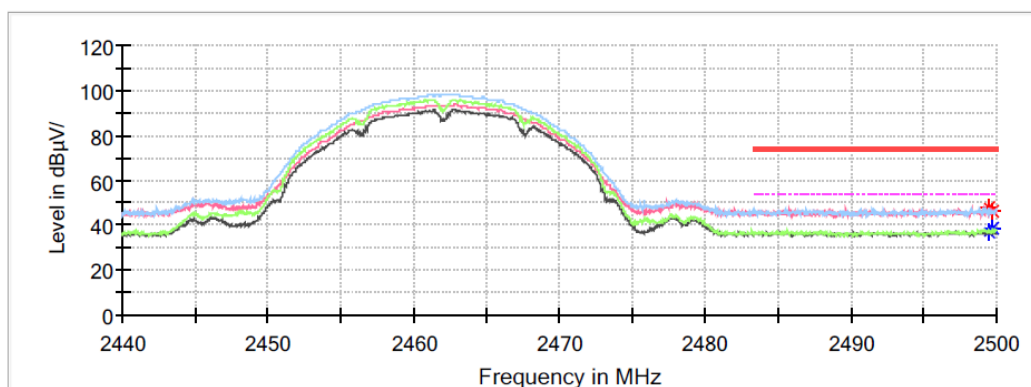
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2353.176000	---	40.70	54.00	13.30	H	-0.6
2353.176000	47.57	---	74.00	26.43	H	-0.6
2374.624000	---	39.65	54.00	14.35	H	-0.6
2374.624000	48.87	---	74.00	25.13	H	-0.6

High Channel

Common Information

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11b 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: 18.2℃
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum



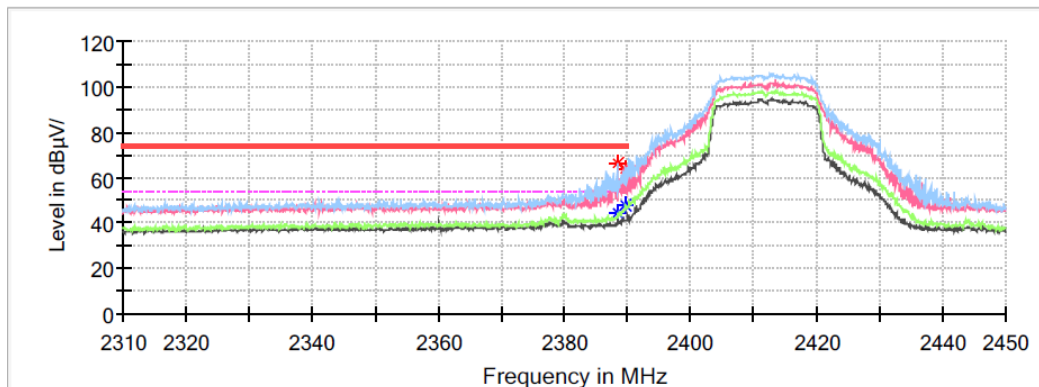
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2499.472000	---	37.10	54.00	16.90	H	-0.3
2499.472000	47.60	---	74.00	26.40	H	-0.3
2499.712000	---	38.35	54.00	15.65	H	-0.3
2499.712000	45.94	---	74.00	28.06	H	-0.3

802.11g Mode :**Low Channel****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11g 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: 18.2℃
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum

**Critical_Freqs**

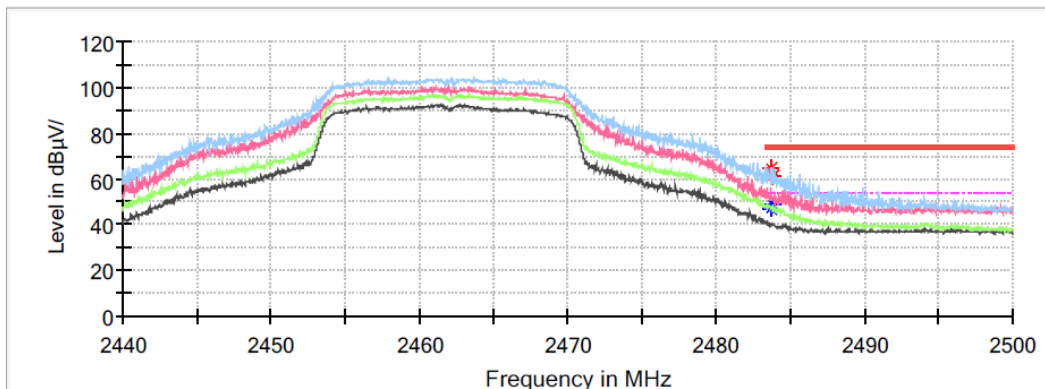
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2388.512000	---	44.59	54.00	9.41	H	-0.6
2388.512000	66.16	---	74.00	7.84	H	-0.6
2389.800000	---	47.52	54.00	6.48	H	-0.6
2389.800000	63.56	---	74.00	10.44	H	-0.6

High Channel

Common Information

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11g 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum



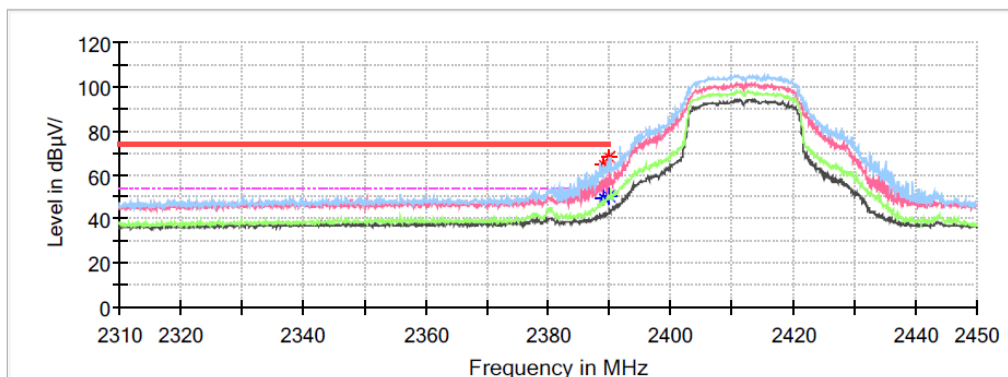
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.752000	---	46.83	54.00	7.17	H	-0.3
2483.752000	64.68	---	74.00	9.32	H	-0.3
2483.872000	---	48.88	54.00	5.12	H	-0.3
2483.872000	61.32	---	74.00	12.68	H	-0.3

802.11n-HT20 Mode:**Low Channel****Common Information**

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11n20 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: 18.2°C
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

Full Spectrum

**Critical_Freqs**

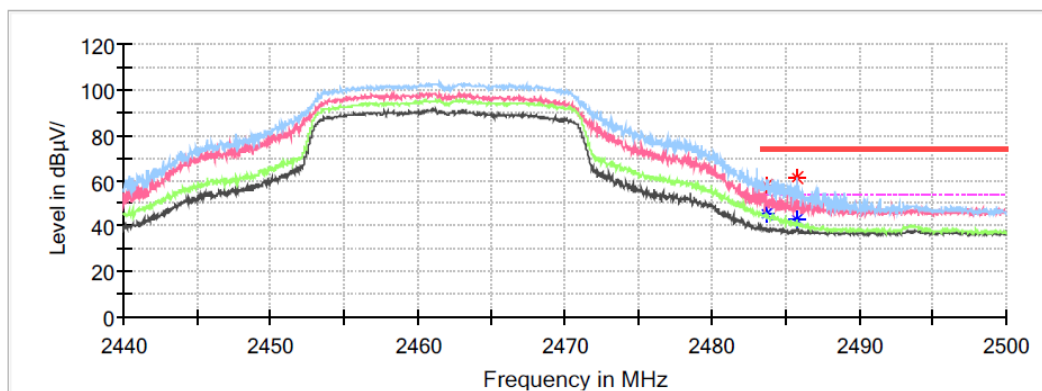
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.128000	64.45	---	74.00	9.55	H	-0.6
2389.128000	---	49.37	54.00	4.63	H	-0.6
2389.912000	---	50.51	54.00	3.49	H	-0.6
2389.912000	68.22	---	74.00	5.78	H	-0.6

High Channel

Common Information

Project No.: RKSA260330001
EUT Model: F55
Test Mode: 2.4G WIFI 802.11n20 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: 18.2℃
Humidity: 48%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/4/10

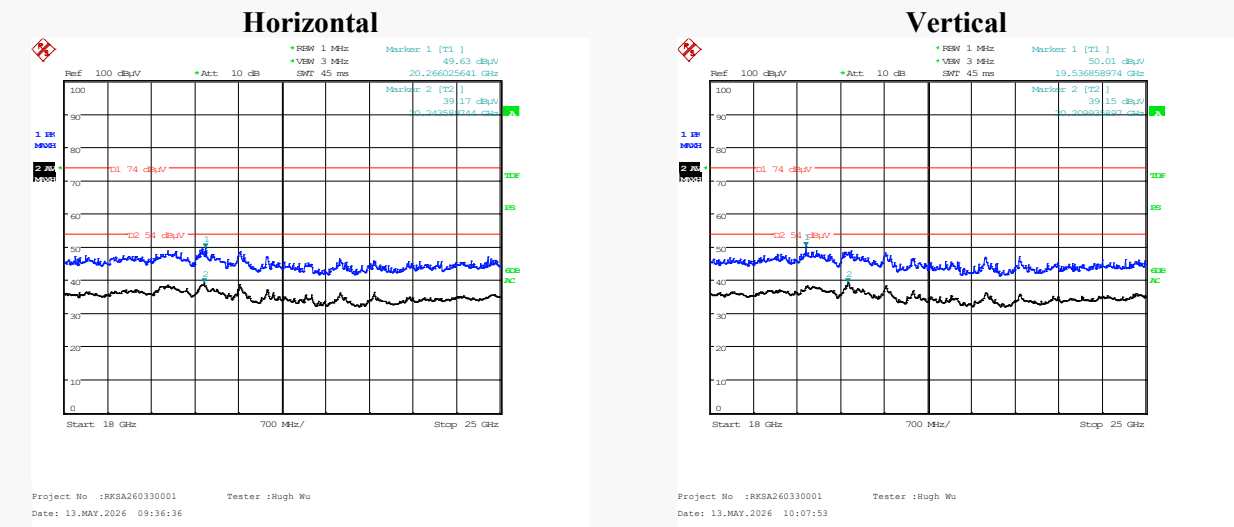
Full Spectrum



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)
2483.752000	---	45.72	54.00	8.28	H	-0.3
2483.752000	58.27	---	74.00	15.73	H	-0.3
2485.744000	---	42.79	54.00	11.21	H	-0.3
2485.744000	61.65	---	74.00	12.35	H	-0.3

18GHz-25GHz: Transmitting in maximum output power mode and 802.11g mode low channel

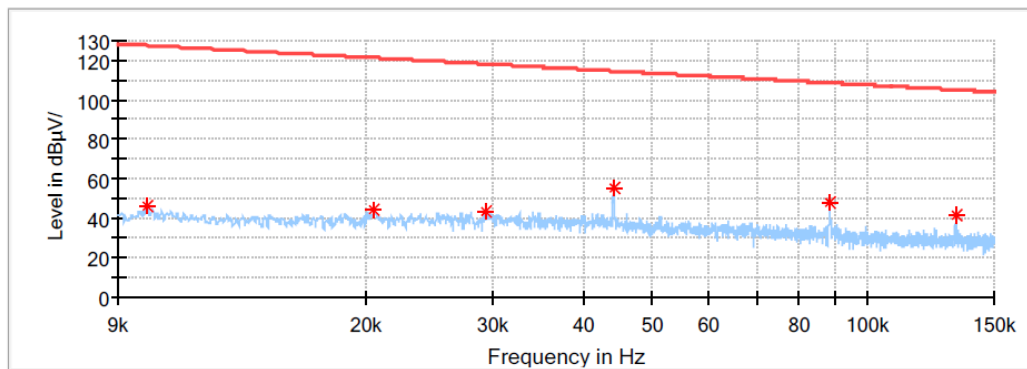


Frequency (GHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
20.21	---	39.15	54	14.85	V	12.47
19.54	50.01	---	74	23.99	V	10.94
20.24	---	39.17	54	14.83	H	12.5
20.27	49.63	---	74	24.37	H	12.52

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

For BLE Mode:**9 kHz-150 kHz:** (Transmitting in maximum output power mode BLE 1M low channel)**Parallel(worst case)****Low Channel: 2402MHz****Common Information**

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BLE 1M 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**

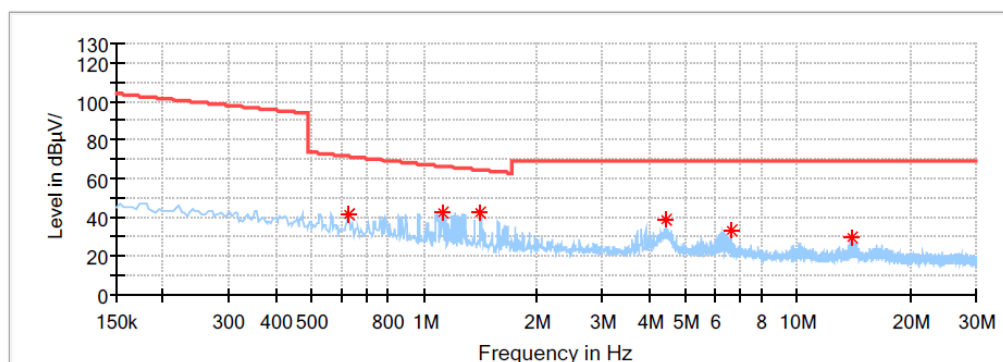
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/ma)
0.009881	46.05	127.69	81.64	Parallel	-0.2
0.020439	44.65	121.39	76.74	Parallel	-0.1
0.029216	43.66	118.29	74.63	Parallel	0.0
0.044232	54.86	114.68	59.82	Parallel	-2.3
0.088436	48.22	108.67	60.45	Parallel	-7.5
0.132639	41.92	105.15	63.23	Parallel	-9.9

150 kHz - 30 MHz: (Transmitting in maximum output power mode BLE 1M low channel)
Parallel(worst case)

Low Channel: 2402MHz

Common Information

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BLE 1M 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: 9k Hz, VBW: 30 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

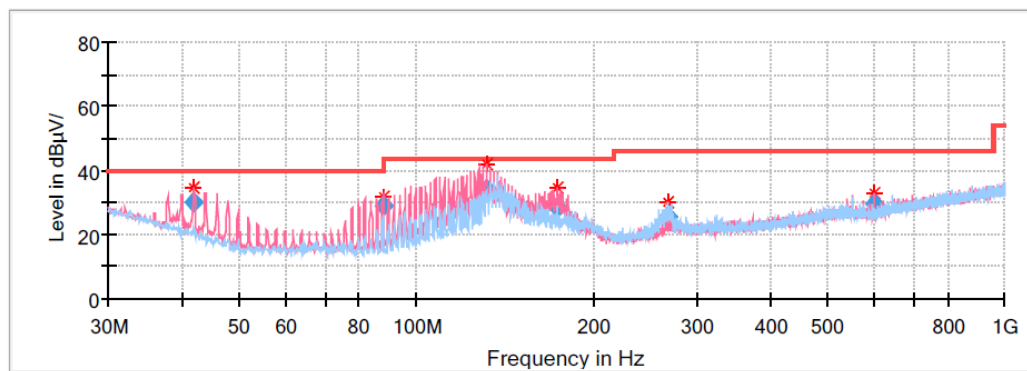


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.627600	41.74	71.51	29.77	Parallel	-23.3
1.120125	42.78	66.43	23.65	Parallel	-27.5
1.414894	42.28	64.48	22.20	Parallel	-28.5
4.433475	38.52	69.54	31.02	Parallel	-31.3
6.619988	32.85	69.54	36.69	Parallel	-31.7
14.037712	29.73	69.54	39.81	Parallel	-32.2

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

Project No:	RKSA260330001
EUT Model:	F55
Test Mode:	Transmitting in BLE 1M 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)
41.882500	30.27	40.00	9.73	V	-12.3
87.836250	28.98	40.00	11.02	V	-16.8
131.728750	33.91	43.50	9.59	V	-10.9
173.802500	28.52	43.50	14.98	V	-12.4
267.528750	25.32	46.00	20.68	H	-11.2
599.996250	29.77	46.00	16.23	V	-4.7