



RF MEASUREMENT REPORT

FCC ID: 2BFH8PRO5SLTELA

Applicant: UAB "Ruptela"

Product: Pro5S

Model No.: Pro5S-LTE-LA-BT

Brand Name: Ruptela

FCC Classification: Digital Transmission System (DTS)

FCC Rule Part(s): Part 15 Subpart C (Section 15.247)

Result: Complies

Received Date: 2025-06-25

Test Date: 2025-07-23 ~ 2025-08-07

Reviewed By:

Kevin Guo

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1041069-U201	V01	Initial Report	2025-08-28	Invalid
R25S1041069-U201	V02	Add Co-location RSE	2025-09-03	Valid

CONTENTS

Description	Page
1. General Information	5
1.1. Applicant	5
1.2. Manufacturer	5
1.3. Testing Facility	5
1.4. Product Information	6
1.5. Radio Specification under Test	6
1.6. Working Frequencies	7
2. Test Configuration	8
2.1. Test Mode	8
2.2. Test System Connection Diagram	8
2.3. Test Software	9
2.4. Applied Standards	10
2.5. Test Environment Condition	10
3. Antenna Requirements	11
4. Measuring Instrument	12
5. Decision Rules and Measurement Uncertainty	13
5.1. Decision Rules	13
5.2. Measurement Uncertainty	13
6. Test Result	14
6.1. Summary	14
6.2. 6 dB Bandwidth Measurement	15
6.2.1. Test Limit	15
6.2.2. Test Procedure	15
6.2.3. Test Setting	15
6.2.4. Test Setup	15
6.2.5. Test Result	15
6.3. Output Power Measurement	16
6.3.1. Test Limit	16
6.3.2. Test Procedure	16
6.3.3. Test Setting	16
6.3.4. Test Setup	16
6.3.5. Test Result	16
6.4. Power Spectral Density Measurement	17
6.4.1. Test Limit	17
6.4.2. Test Procedure	17

6.4.3.	Test Setting	17
6.4.4.	Test Setup	17
6.4.5.	Test Result	17
6.5.	Conducted Band Edge and Out-of-Band Emissions Measurement	18
6.5.1.	Test Limit	18
6.5.2.	Test Procedure	18
6.5.3.	Test Setting	18
6.5.4.	Test Setup	18
6.5.5.	Test Result	19
6.6.	Radiated Spurious Emission Measurement.....	20
6.6.1.	Test Limit	20
6.6.2.	Test Procedure	20
6.6.3.	Test Setting	20
6.6.4.	Test Setup	22
6.6.5.	Test Result	23
6.7.	Radiated Restricted Band Edge Measurement	24
6.7.1.	Test Limit	24
6.7.2.	Test Procedure	25
6.7.3.	Test Setting	25
6.7.4.	Test Setup	26
6.7.5.	Test Result	26
6.8.	AC Conducted Emissions Measurement	27
6.8.1.	Test Limit	27
6.8.2.	Test Setup	27
6.8.3.	Test Result	27
Appendix A - Test Result.....		28
A.1	Duty Cycle Test Result	28
A.2	6 dB Bandwidth Test Result	29
A.3	Output Power Test Result	32
A.4	Power Spectral Density Test Result	33
A.5	Conducted Band Edge and Out-of-Band Emissions Test Result.....	36
A.6	Radiated Spurious Emission Test Result	45
A.7	Radiated Restricted Band Edge Test Result.....	52
Appendix B - Test Setup Photograph		84
Appendix C - EUT Photograph		85

1. General Information

1.1. Applicant

UAB "Ruptela"

Perkūnkiemio g. 6, LT-12130, Vilnius, Lithuania

1.2. Manufacturer

UAB "Ruptela"

Perkūnkiemio g. 6, LT-12130, Vilnius, Lithuania

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China Laboratory Accreditations A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China Laboratory Accreditations A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Laboratory Accreditations TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	Pro5S
Model No.	Pro5S-LTE-LA-BT
EUT Identification No.	20250721Sample#01(Conducted) 20250804Sample#04(Radiated) 20250625Sample#01(Co-location)
Bluetooth Specification	Bluetooth-LE
3GPP Specification	Bands @ 3G (WCDMA) B1/B2/B4/B5/B8 Bands @ 4G (LTE CAT4) B1/B2/B3/B4/B5/B7/B8/B28/B66
GNSS Specification	GPS, Galileo
Operating Temperature	-20 ~ 60 °C
Antenna Information	Refer to Section 1.5
Product Voltage	By DC 9 V to 32 V
Accessory	
Battery	EEMB LP603448 3.7V 1050mAh 3.9WH GJ0325604290
Integrated Certificated Module	
WWAN Module	Manufacturer: Quectel Wireless Solutions Co., Ltd. Module Name: LTE Cat4 Module Module Model Name: EG950A-LA FCC ID: XMR2023EG950ALA
Remark: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Bluetooth Frequency	2402 ~ 2480 MHz
Channel Number	40
Type of modulation	GFSK
Data Rate	125 kbps & 500 kbps & 1 Mbps & 2 Mbps
Antenna Type	PCB Antenna
Antenna Gain	1.8 dBi

1.6. Working Frequencies

Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz
03	2408 MHz	04	2410 MHz	05	2412 MHz
06	2414 MHz	07	2416 MHz	08	2418 MHz
09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz
15	2432 MHz	16	2434 MHz	17	2436 MHz
18	2438 MHz	19	2440 MHz	20	2442 MHz
21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz
27	2456 MHz	28	2458 MHz	29	2460 MHz
30	2462 MHz	31	2464 MHz	32	2466 MHz
33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz
39	2480 MHz	--	--	--	--

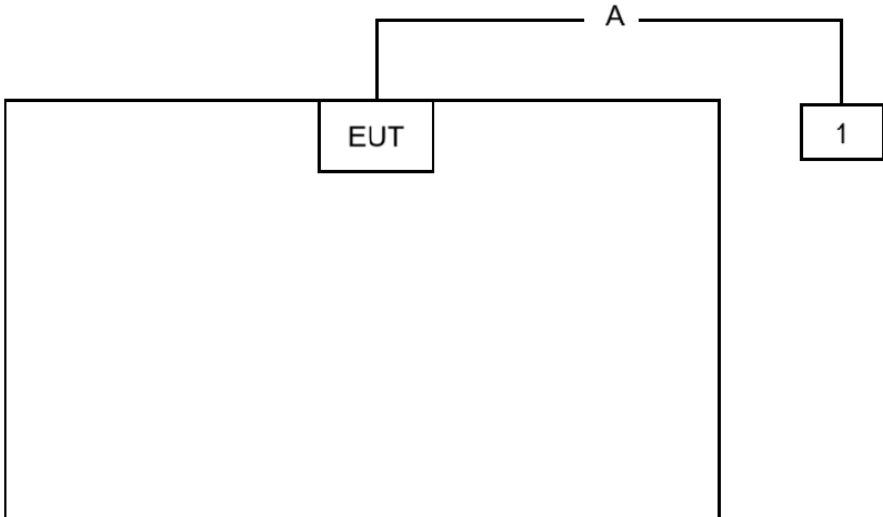
2. Test Configuration

2.1. Test Mode

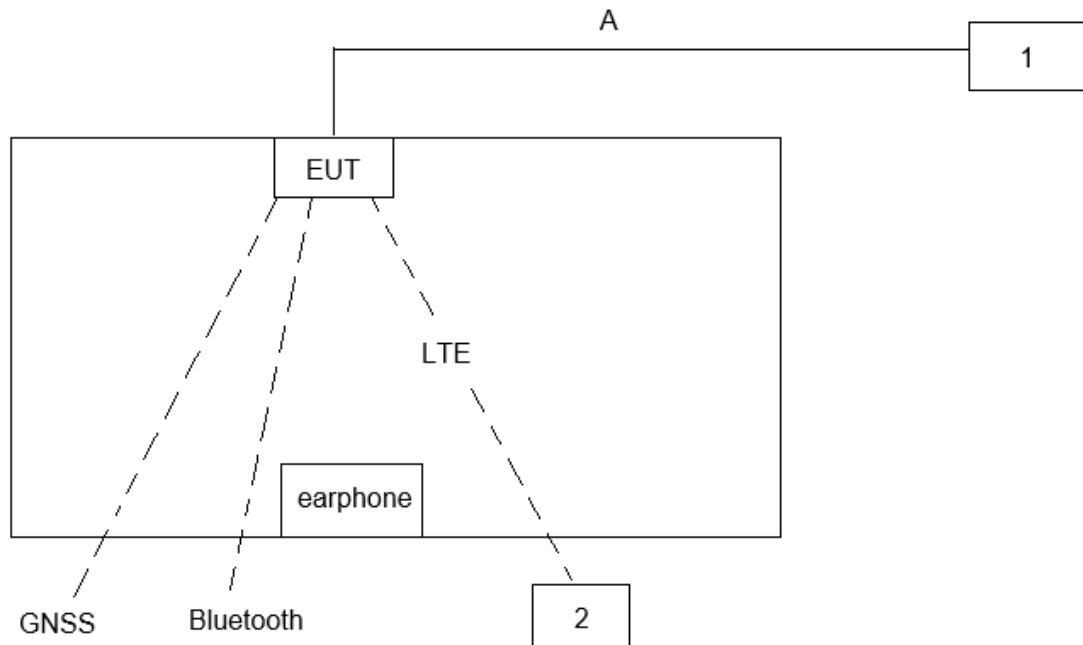
Mode 1: Transmit by BLE-125 kbps
Mode 2: Transmit by BLE-500 kbps
Mode 3: Transmit by BLE-1 Mbps
Mode 4: Transmit by BLE-2 Mbps
Mode 5: Transmit by LTE Band 2 + BLE (Co-location)

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC conducted emissions testing.

Connection Diagram – Radiated Spurious Emissions Testing & AC Conducted Emissions			
			
Product		Manufacturer	Model No.
1	Notebook	Lenovo	E430C
Cable Type		Cable Description	Length
A	USB Cable	Shielded	> 10 m

Connection Diagram – Radiated Spurious Emissions Testing (Co-location)



Cable Type		Cable Spec.	Length
A	Power Cable	Non-Shielding	>10 m
Product		Manufacturer	Model No.
1	DC Power Supply	MESTEK	DP3005B
2	Communication	R&S	CMW500

2.3. Test Software

The test utility software used during testing was “nRF Connect for Desktop”, and the version was v5.2.0.

2.4. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.247
- KDB 558074 D01v05r02
- ANSI C63.10-2013

2.5. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~75 %RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Active Loop Antenna	Schwarzbeck	FMZB 1519-60 D	MRTSUE07076	1 year	2025-11-19	WJ-AC1
EMI Test Receiver	R&S	ESR3	MRTSUE07110	1 year	2026-04-19	WJ-AC1
TRILOG Broad Band Antenna	Schwarzbeck	VULB 9163	MRTSUE07096	1 year	2026-04-16	WJ-AC1
Horn Antenna	ETS	3117	MRTSUE06257	1 year	2025-09-08	WJ-AC1
Preamplifier	EMCI	EMC001330	MRTSUE06643s	1 year	2026-05-13	WJ-AC1
EXA Signal Analyzer	Keysight	N9010B	MRTSUE07147	1 year	2025-11-06	WJ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11333	1 year	2026-06-16	WJ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11402	1 year	2025-12-01	WJ-AC1
Anechoic Chamber	TDK	WJ-AC1	MRTSUE07115	1 year	2026-05-16	WJ-AC1
Broadband Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE07100	1 year	2026-04-10	WJ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE07103	1 year	2026-04-09	WJ-AC2
EXA Signal Analyzer	Keysight	N9010B	MRTSUE07147	1 year	2025-11-06	WJ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11315	1 year	2026-06-16	WJ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11332	1 year	2026-06-05	WJ-AC2
Anechoic Chamber	TDK	WJ-AC2	MRTSUE07117	1 year	2026-05-12	WJ-AC2
Shielding Room	TDK	WJ-SR2	MRTSUE07124	N/A	N/A	WJ-SR2
USB Power Sensor	Keysight	U2021XA	MRTSUE07141	1 year	2026-03-15	WJ-SR2
Signal Analyzer	Keysight	N9010B	MRTSUE07147	1 year	2025-11-06	WJ-SR2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06648	1 year	2025-10-20	SIP-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06601	1 year	2025-11-01	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2025-10-29	SIP-AC2
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06647	1 year	2026-05-15	SIP-AC2
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2025-12-20	SIP-AC2
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2026-01-21	SIP-AC2
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2025-12-05	SIP-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06598	1 year	2025-11-03	SIP-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2025-10-08	SIP-AC2

Note: The loss of the RF cable will be measured before testing.

Software	Version	Function
e3	230711	EMI Test Software
CONTROLLER CO3000	v 1.03.02	RE Antenna & Turntable
Controller_MF 7802BS	1.02	RE Antenna&turntable
Agilent Power Panel	v3.9	Power

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
9 kHz ~ 150 kHz:	3.58 dB
150 kHz ~ 30 MHz:	3.20 dB
Radiated Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
Coaxial:	9 kHz ~ 30 MHz: 2.35 dB
Coplanar:	9 kHz ~ 30 MHz: 2.37 dB
Horizontal:	30 MHz ~ 200 MHz: 3.47 dB
	200 MHz ~ 1 GHz: 4.17 dB
	1 GHz ~ 40 GHz: 4.97 dB
Vertical:	30 MHz ~ 200 MHz: 4.07 dB
	200 MHz ~ 1 GHz: 5.28 dB
	1 GHz ~ 40 GHz: 4.84 dB
Spurious Emissions, Conducted	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 2.5 dB	
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 1.5 dB	
Power Spectrum Density	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 2.5 dB	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 3.2%	

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.247(a)(2)	6 dB Bandwidth	Conducted	Pass
15.247(b)(3)	Output Power		Pass
15.247(e)	Power Spectral Density		Pass
15.247(d)	Band Edge / Out-of-Band Emissions		Pass
15.205 15.209	General Field Strength (Restricted Bands and Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150 kHz - 30 MHz	Line Conducted	N/A

Notes:

1. The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.
2. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
3. "N/A" means that this item is not applicable, and the detail information refer to relevant section.

6.2. 6 dB Bandwidth Measurement

6.2.1. Test Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

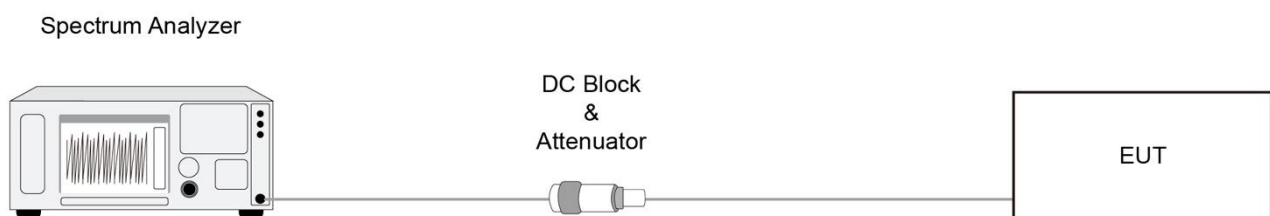
6.2.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.8

6.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6 dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set RBW = 100 kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.2.

6.3. Output Power Measurement

6.3.1. Test Limit

The maximum output power shall be less 1 Watt (30 dBm).

The conducted output power limit specified in paragraph FCC Part 15.247(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs FCC Part 15.247(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.3.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.9.1.3

ANSI C63.10 - 2013 - Section 11.9.2.3.2

6.3.3. Test Setting

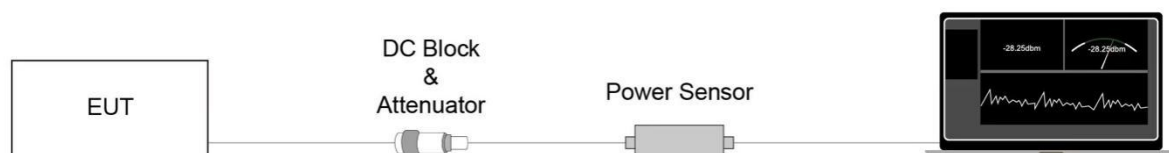
Method PKPM1 (Peak Power Measurement of Signals with DTS BW $\leq$ 50 MHz)

Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The pulse sensor employs a VBW = 50 MHz so this method was only used for signals whose DTS bandwidth was less than or equal to 50 MHz.

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Power Spectral Density Measurement

6.4.1. Test Limit

The maximum permissible power spectral density is 8 dBm in any 3 kHz band.

The same method of determining the conducted output power shall be used to determine the power spectral density.

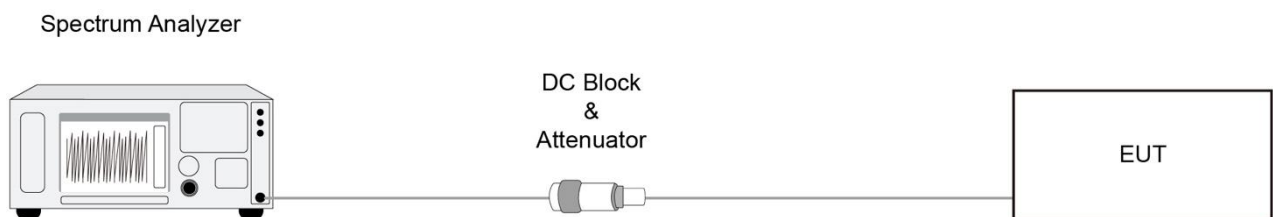
6.4.2. Test Procedure

ANSI C63.10-2013 Section 11.10.2

6.4.3. Test Setting

1. Analyzer was set to the center frequency of the DTS channel under investigation
2. Span = 1.5 times the DTS channel bandwidth
3. RBW = 3 kHz
4. VBW = 10 kHz
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Trace was allowed to stabilize

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. Conducted Band Edge and Out-of-Band Emissions Measurement

6.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 20 dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

6.5.2. Test Procedure

ANSI C63.10-2013 - Section 11.11

6.5.3. Test Setting

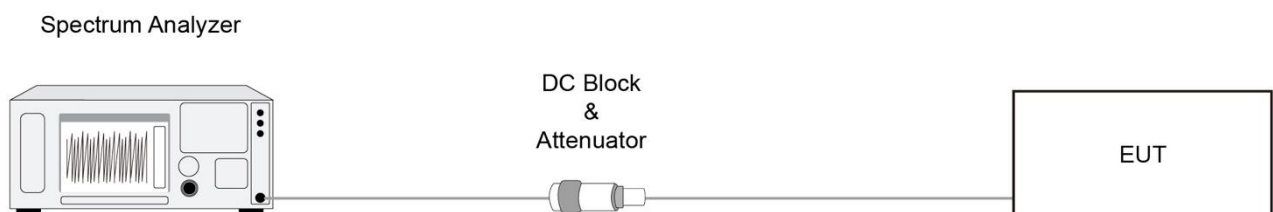
Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100 kHz
3. VBW = 300 kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

6.5.4. Test Setup



6.5.5. Test Result

Refer to Appendix A.5.

6.6. Radiated Spurious Emission Measurement

6.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.6.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30 MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30 MHz to 1 GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1 GHz)

6.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1 GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1 MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1 GHz

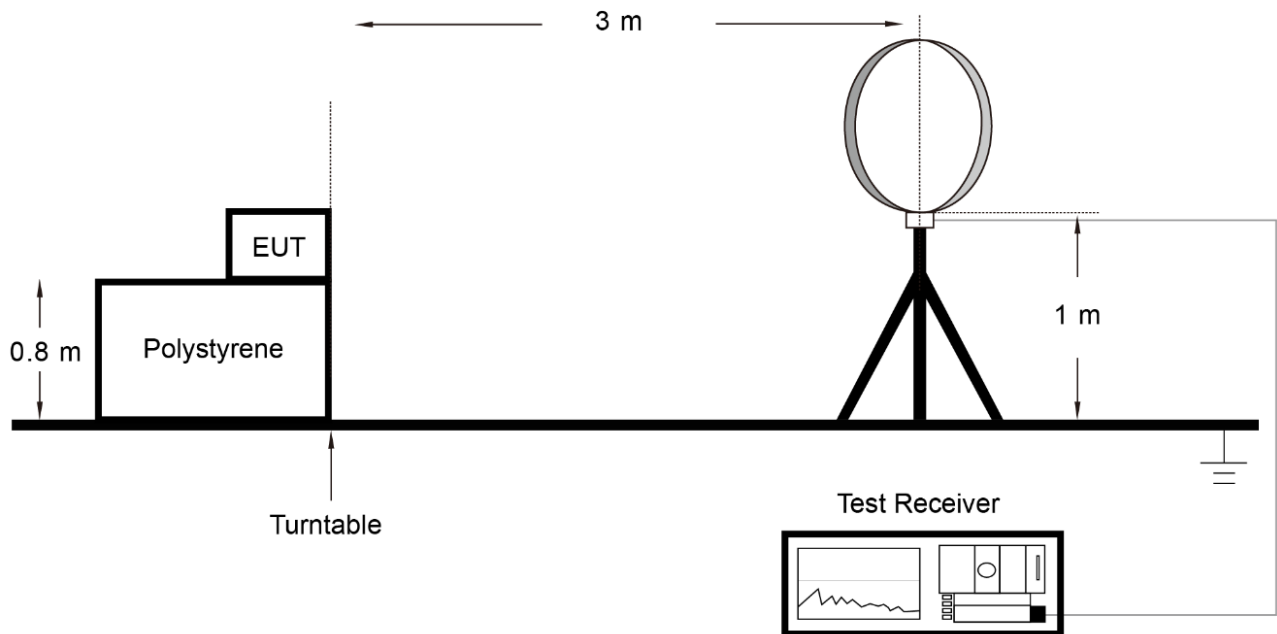
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1 GHz (Method VB)

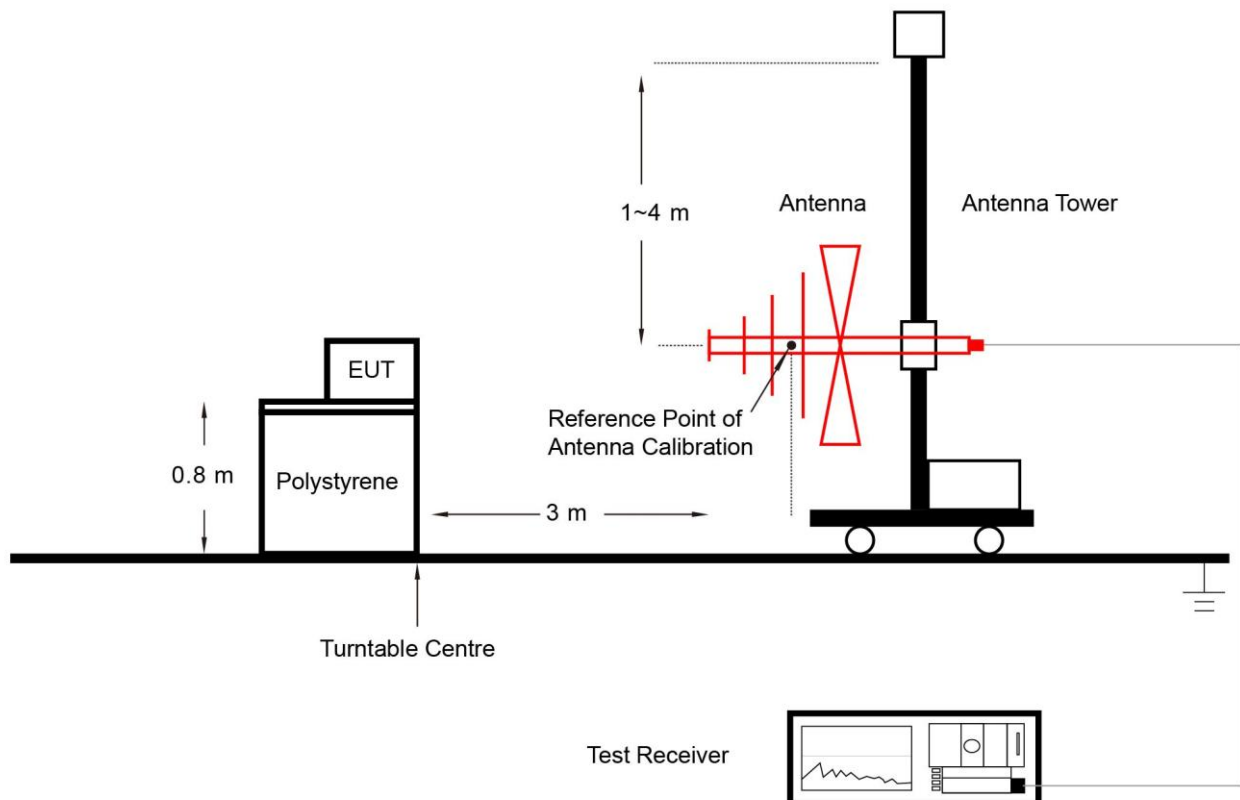
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz
If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$. T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.6.4. Test Setup

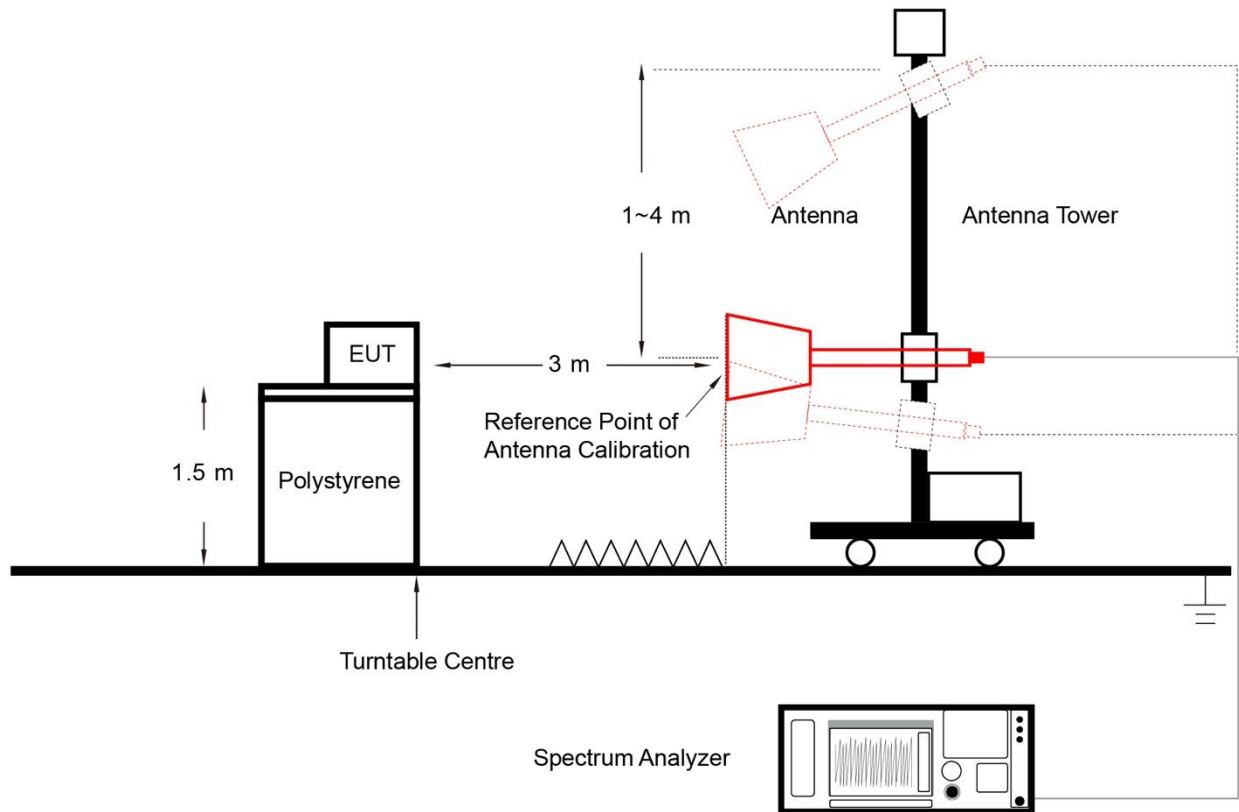
Below 30 MHz Test Setup:



Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



6.6.5. Test Result

Refer to Appendix A.6.

6.7. Radiated Restricted Band Edge Measurement

6.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.7.2. Test Procedure

ANSI C63.10-2013 Section 6.3 & 6.6 & 11.13

6.7.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

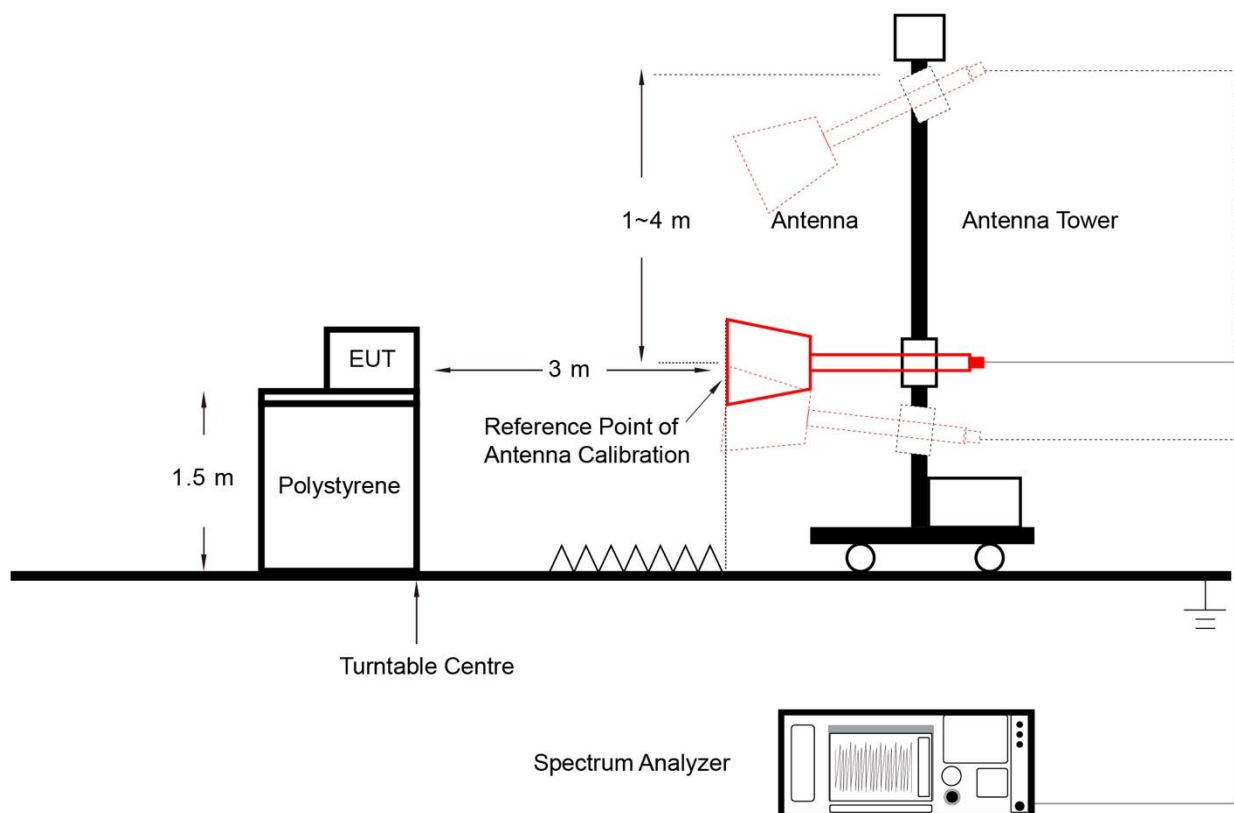
Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.

If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.

4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.7.4. Test Setup



6.7.5. Test Result

Refer to Appendix A.7.

6.8. AC Conducted Emissions Measurement

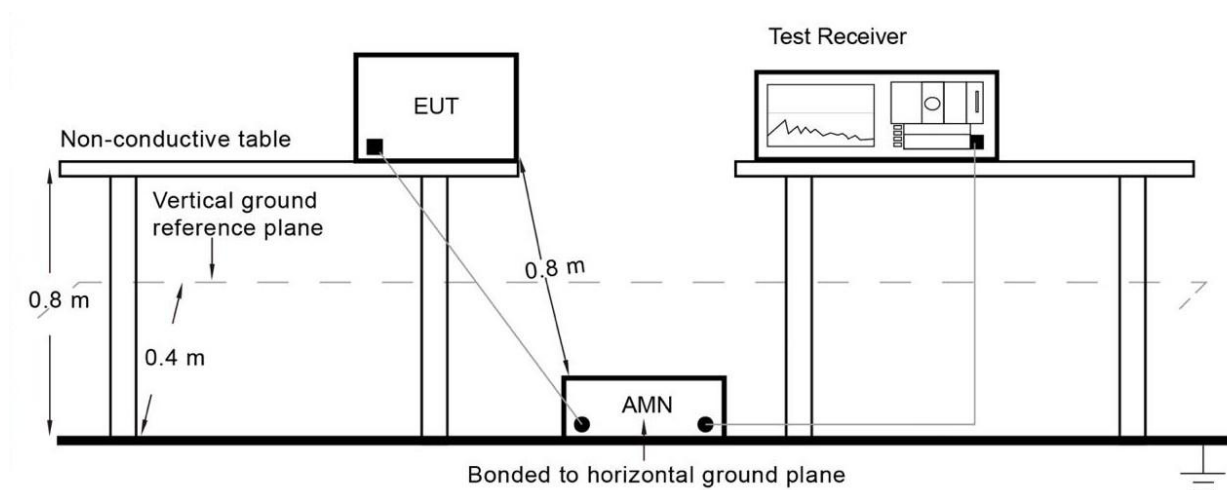
6.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

6.8.2. Test Setup



6.8.3. Test Result

The EUT is powered by battery or DC supply, so this test item is not applicable.

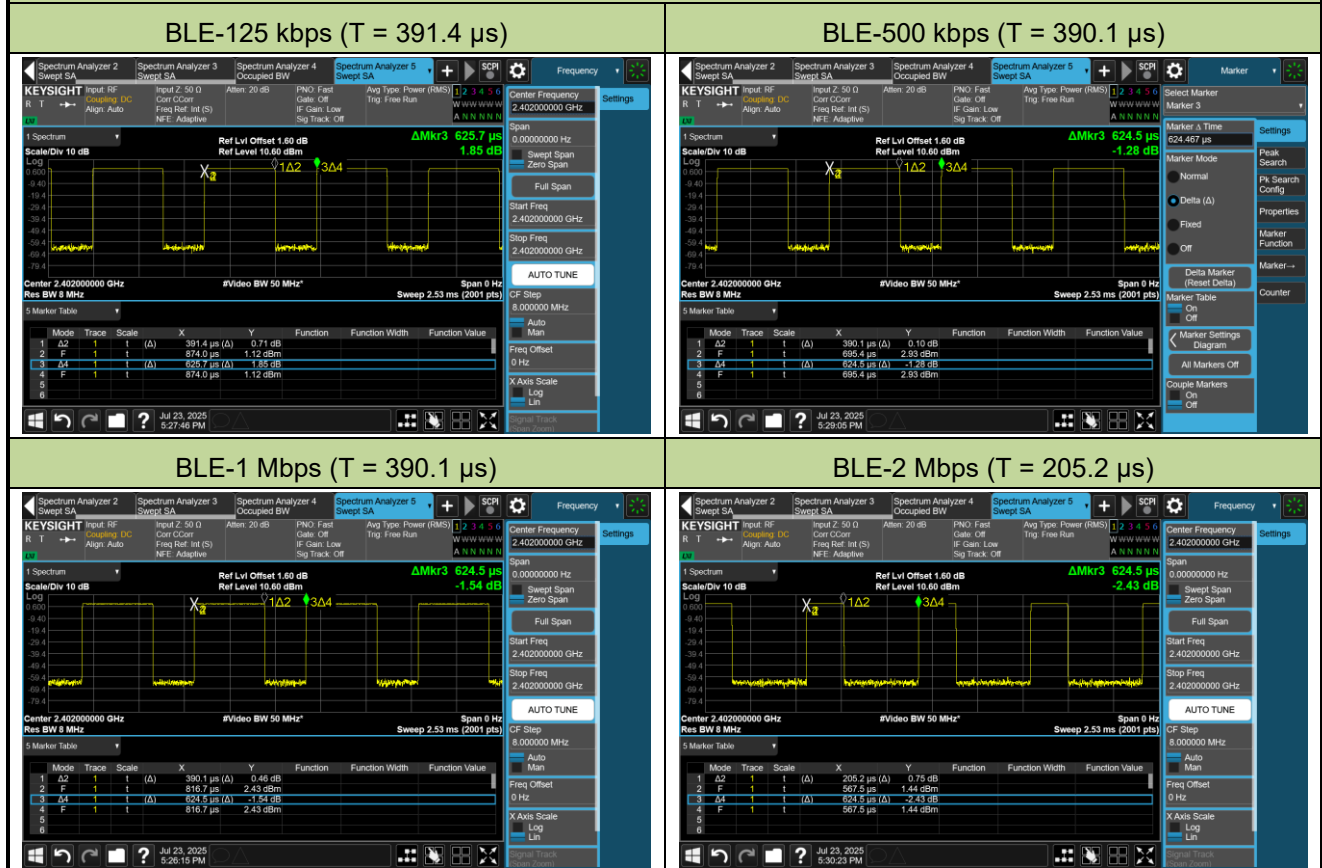
Appendix A - Test Result

A.1 Duty Cycle Test Result

Test Site	WJ-SR2	Test Engineer	Layla Gui
Test Date	2025-07-23		

Test Mode	Duty Cycle
BLE-125 kbps	62.55 %
BLE-500 kbps	62.47 %
BLE-1 Mbps	62.47 %
BLE-2 Mbps	32.86 %

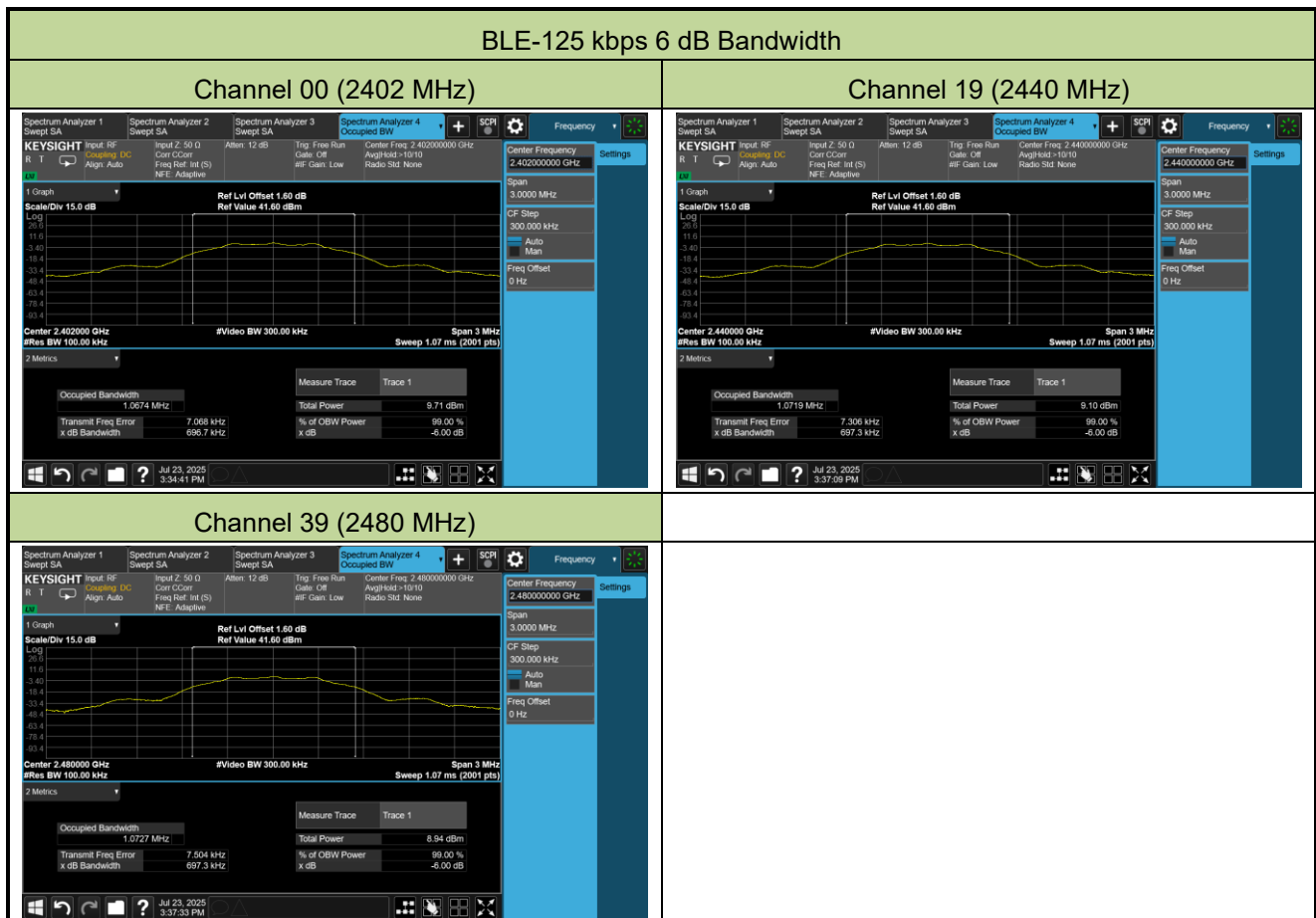
Duty Cycle (T = Transmission Duration)



A.2 6 dB Bandwidth Test Result

Test Site	WJ-SR2	Test Engineer	Layla Gui
Test Date	2025-07-23 ~ 2025-07-25		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
BLE	125 kbps	00	2402	0.6967	≥ 0.5
BLE	125 kbps	19	2440	0.6973	≥ 0.5
BLE	125 kbps	39	2480	0.6973	≥ 0.5
BLE	500 kbps	00	2402	0.6829	≥ 0.5
BLE	500 kbps	19	2440	0.6911	≥ 0.5
BLE	500 kbps	39	2480	0.6920	≥ 0.5
BLE	1 Mbps	00	2402	0.6918	≥ 0.5
BLE	1 Mbps	19	2440	0.6923	≥ 0.5
BLE	1 Mbps	39	2480	0.6983	≥ 0.5
BLE	2 Mbps	00	2402	1.1400	≥ 0.5
BLE	2 Mbps	19	2440	1.1380	≥ 0.5
BLE	2 Mbps	39	2480	1.1290	≥ 0.5

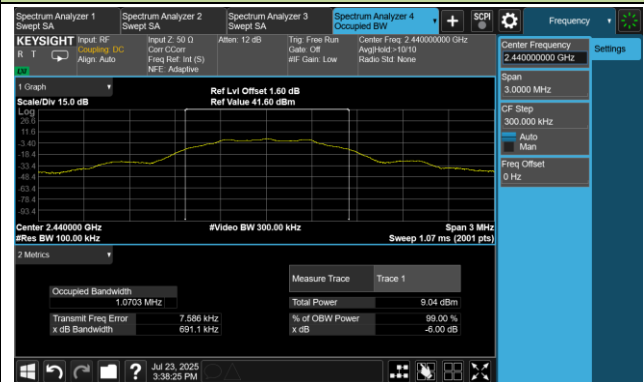


BLE-500 kbps 6 dB Bandwidth

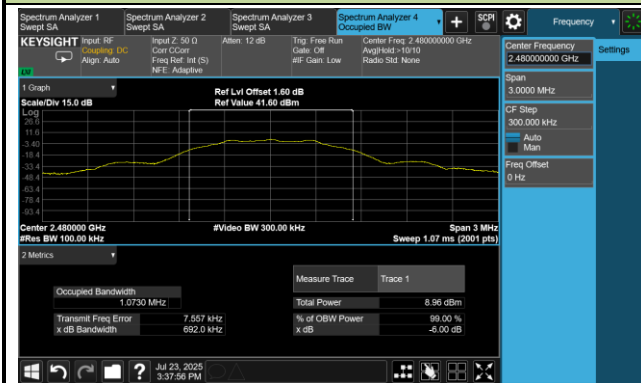
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)

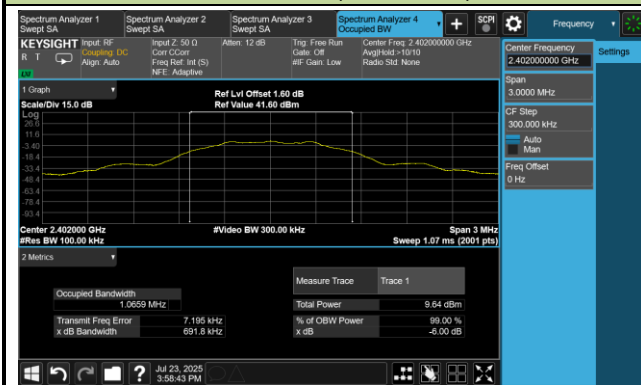


Channel 39 (2480 MHz)

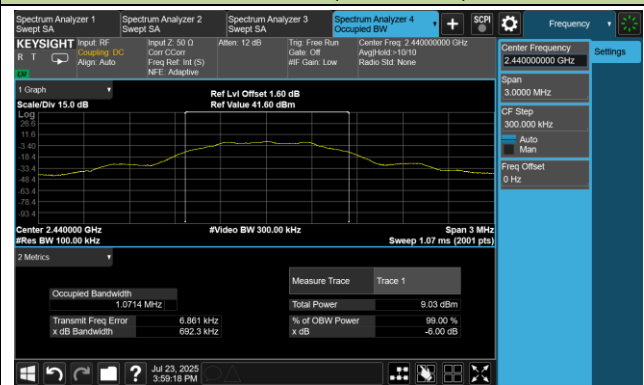


BLE-1 Mbps 6 dB Bandwidth

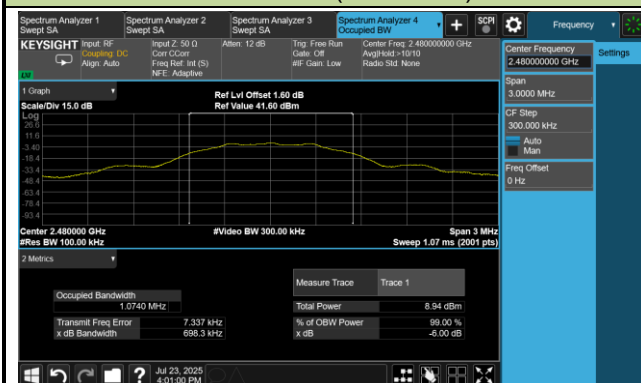
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)

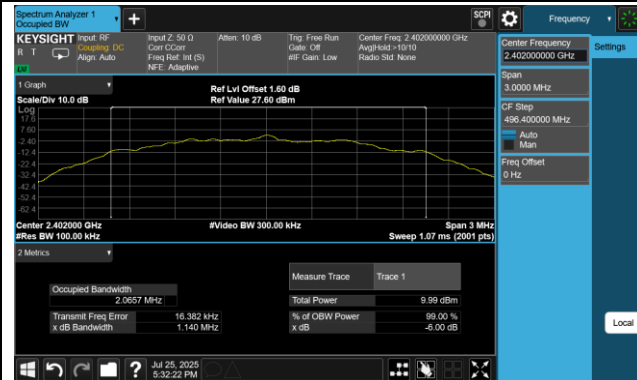


Channel 39 (2480 MHz)



BLE-2 Mbps 6 dB Bandwidth

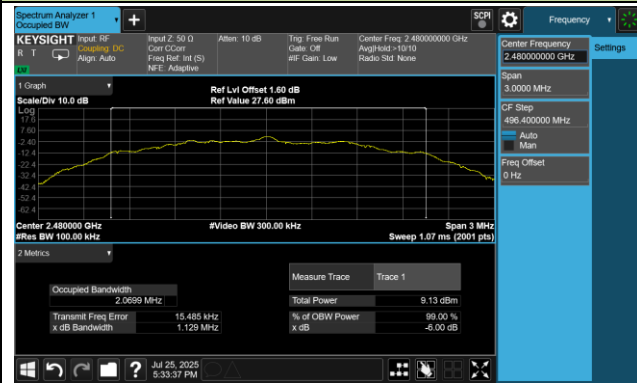
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)



Channel 39 (2480 MHz)



A.3 Output Power Test Result

Test Site	WJ-SR2	Test Engineer	Layla Gui
Test Date	2025-07-23		

Test Result of Peak Output Power

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Result
BLE	125 kbps	00	2402	2.52	≤ 30.00	Pass
BLE	125 kbps	19	2440	2.29	≤ 30.00	Pass
BLE	125 kbps	39	2480	1.82	≤ 30.00	Pass
BLE	500 kbps	00	2402	2.53	≤ 30.00	Pass
BLE	500 kbps	19	2440	2.30	≤ 30.00	Pass
BLE	500 kbps	39	2480	1.83	≤ 30.00	Pass
BLE	1 Mbps	00	2402	2.52	≤ 30.00	Pass
BLE	1 Mbps	19	2440	2.28	≤ 30.00	Pass
BLE	1 Mbps	39	2480	1.81	≤ 30.00	Pass
BLE	2 Mbps	00	2402	2.53	≤ 30.00	Pass
BLE	2 Mbps	19	2440	2.31	≤ 30.00	Pass
BLE	2 Mbps	39	2480	1.83	≤ 30.00	Pass

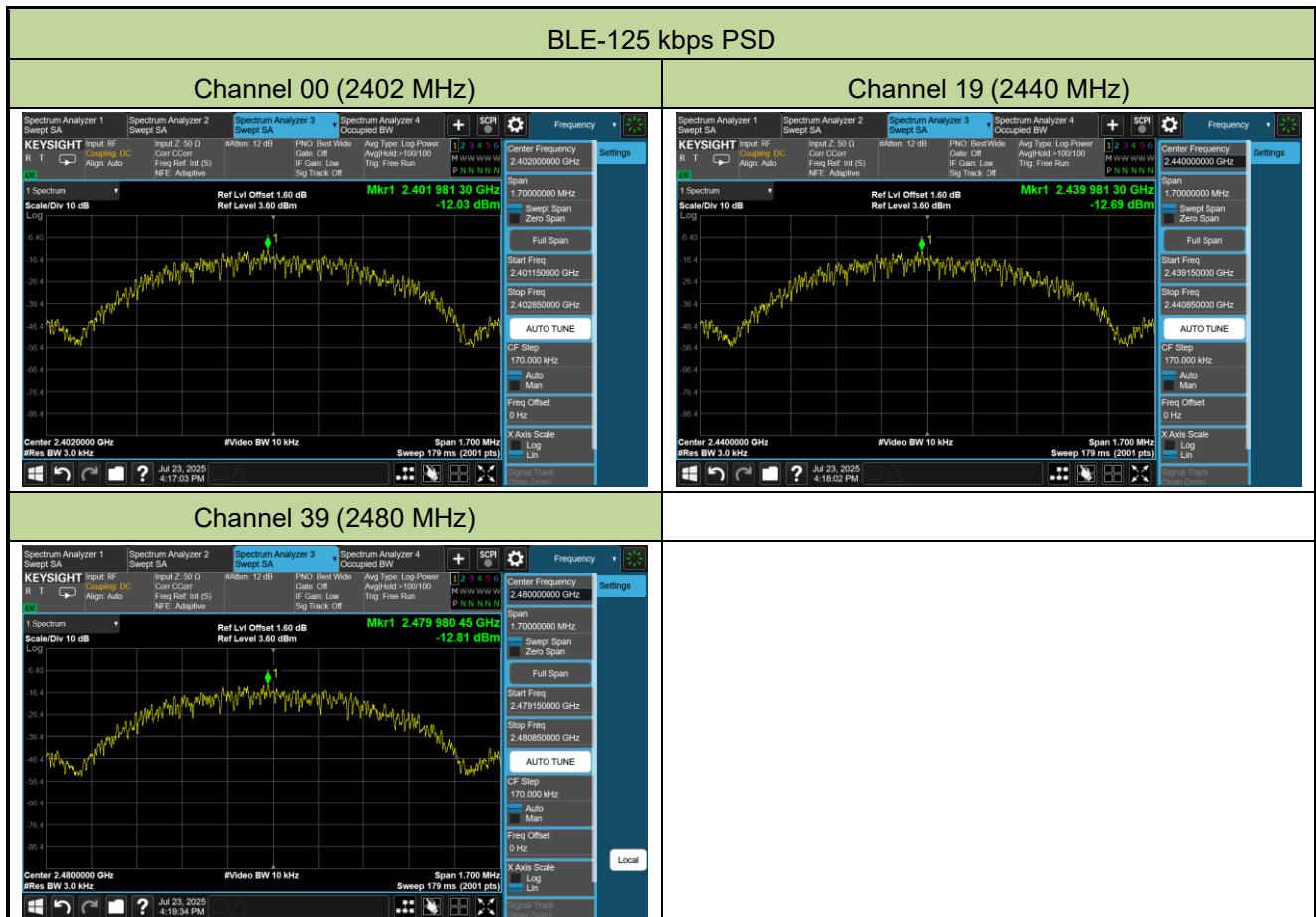
Test Result of Average Output Power (Reporting Only)

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Average Power (dBm)	Limit (dBm)	Result
BLE	125 kbps	00	2402	2.45	≤ 30.00	Pass
BLE	125 kbps	19	2440	2.21	≤ 30.00	Pass
BLE	125 kbps	39	2480	1.75	≤ 30.00	Pass
BLE	500 kbps	00	2402	2.46	≤ 30.00	Pass
BLE	500 kbps	19	2440	2.23	≤ 30.00	Pass
BLE	500 kbps	39	2480	1.75	≤ 30.00	Pass
BLE	1 Mbps	00	2402	2.45	≤ 30.00	Pass
BLE	1 Mbps	19	2440	2.21	≤ 30.00	Pass
BLE	1 Mbps	39	2480	1.74	≤ 30.00	Pass
BLE	2 Mbps	00	2402	2.46	≤ 30.00	Pass
BLE	2 Mbps	19	2440	2.23	≤ 30.00	Pass
BLE	2 Mbps	39	2480	1.76	≤ 30.00	Pass

A.4 Power Spectral Density Test Result

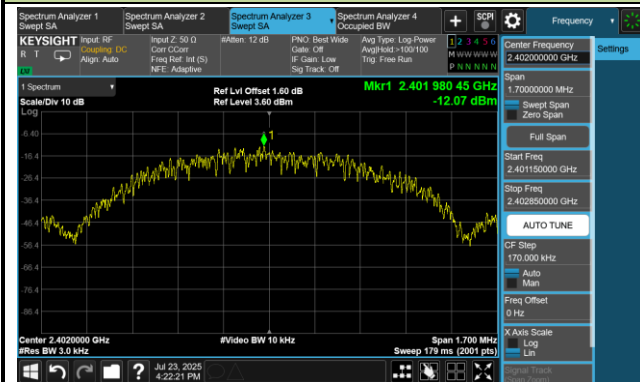
Test Site	WJ-SR2	Test Engineer	Layla Gui
Test Date	2025-07-23		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	PSD Result (dBm / 3 kHz)	Limit (dBm / 3 kHz)	Result
BLE	125 kbps	00	2402	-12.03	≤ 8.00	Pass
BLE	125 kbps	19	2440	-12.69	≤ 8.00	Pass
BLE	125 kbps	39	2480	-12.81	≤ 8.00	Pass
BLE	500 kbps	00	2402	-12.07	≤ 8.00	Pass
BLE	500 kbps	19	2440	-12.72	≤ 8.00	Pass
BLE	500 kbps	39	2480	-12.80	≤ 8.00	Pass
BLE	1 Mbps	00	2402	-12.09	≤ 8.00	Pass
BLE	1 Mbps	19	2440	-12.72	≤ 8.00	Pass
BLE	1 Mbps	39	2480	-12.85	≤ 8.00	Pass
BLE	2 Mbps	00	2402	-14.63	≤ 8.00	Pass
BLE	2 Mbps	19	2440	-15.30	≤ 8.00	Pass
BLE	2 Mbps	39	2480	-15.47	≤ 8.00	Pass

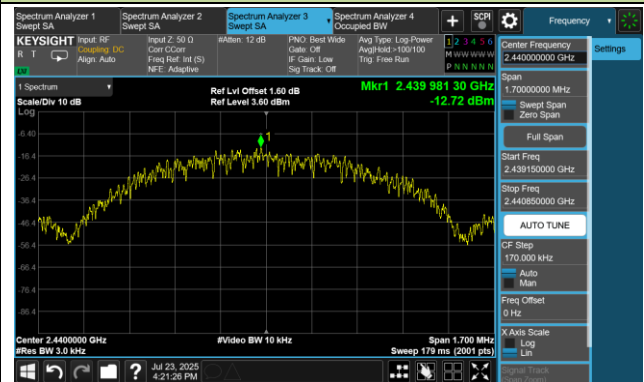


BLE-500 kbps PSD

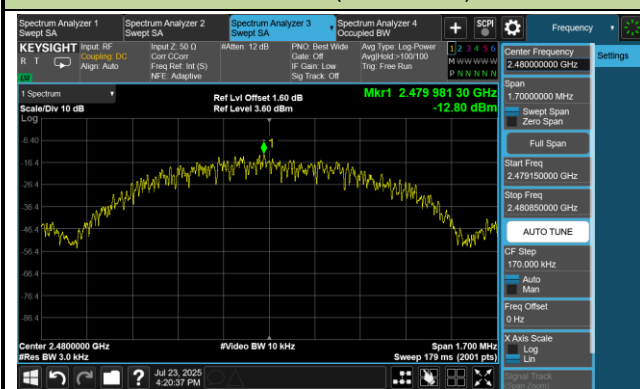
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)

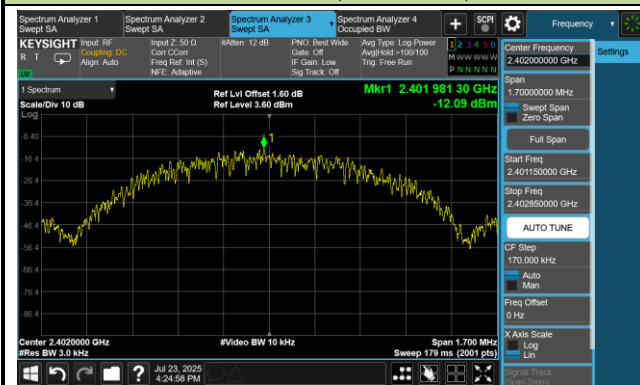


Channel 39 (2480 MHz)

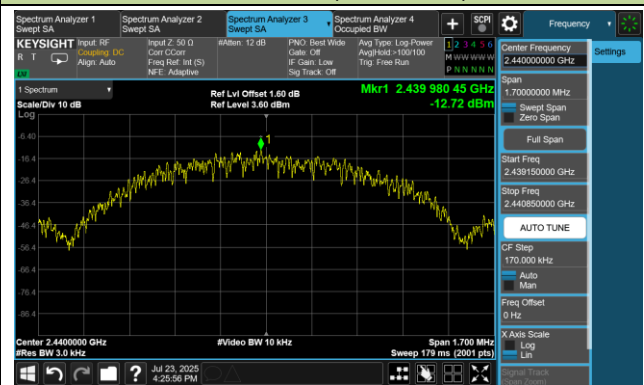


BLE-1 Mbps PSD

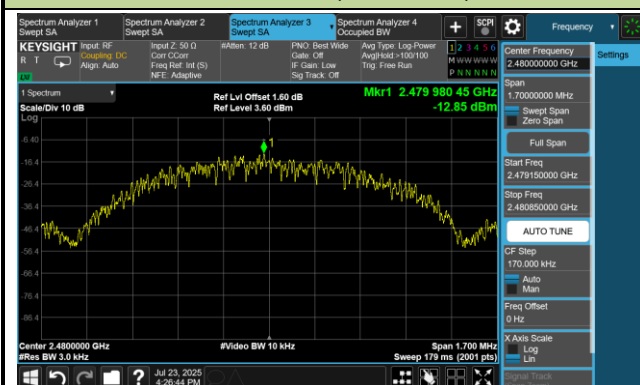
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)

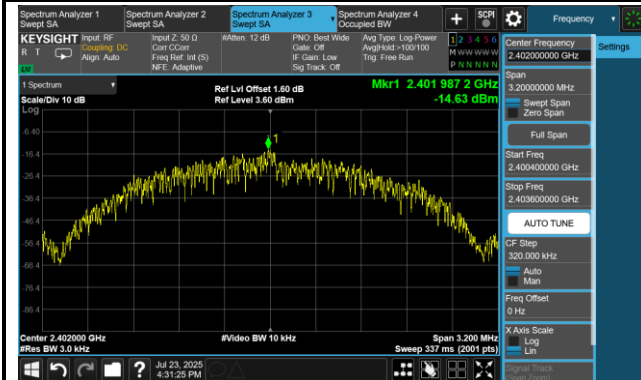


Channel 39 (2480 MHz)

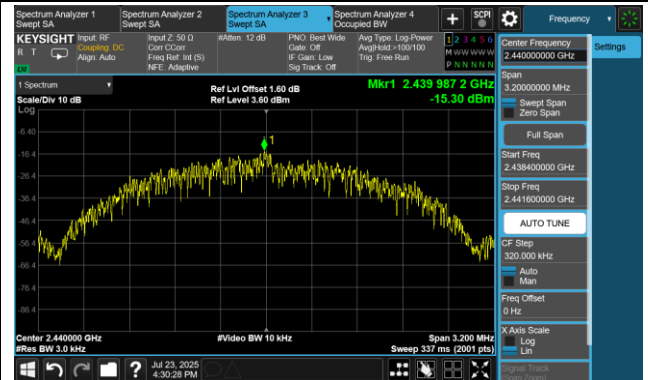


BLE-2 Mbps PSD

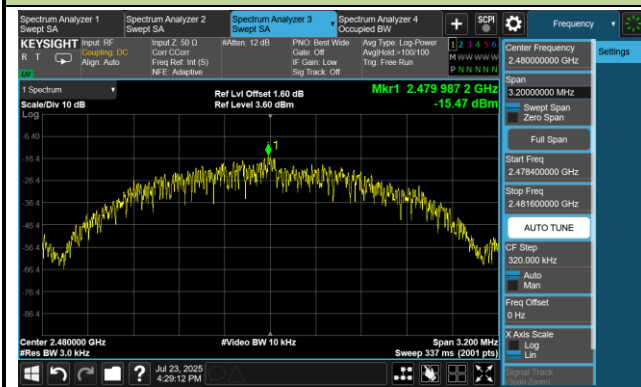
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)



Channel 39 (2480 MHz)



A.5 Conducted Band Edge and Out-of-Band Emissions Test Result

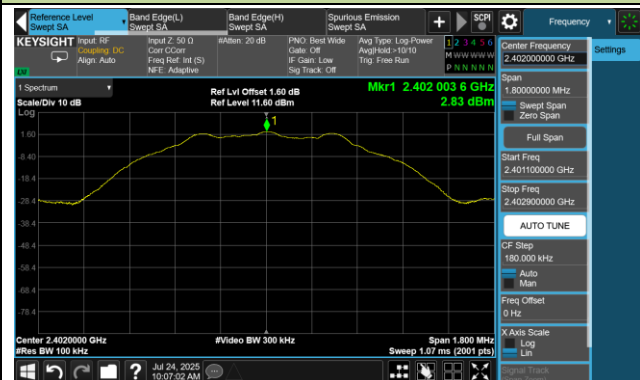
Test Site	WJ-SR2	Test Engineer	Layla Gui
Test Date	2025-07-24 ~ 2025-07-25		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	125 kbps	00	2402	20	Pass
BLE	125 kbps	19	2440	20	Pass
BLE	125 kbps	39	2480	20	Pass
BLE	500 kbps	00	2402	20	Pass
BLE	500 kbps	19	2440	20	Pass
BLE	500 kbps	39	2480	20	Pass
BLE	1 Mbps	00	2402	20	Pass
BLE	1 Mbps	19	2440	20	Pass
BLE	1 Mbps	39	2480	20	Pass
BLE	2 Mbps	00	2402	20	Pass
BLE	2 Mbps	19	2440	20	Pass
BLE	2 Mbps	39	2480	20	Pass

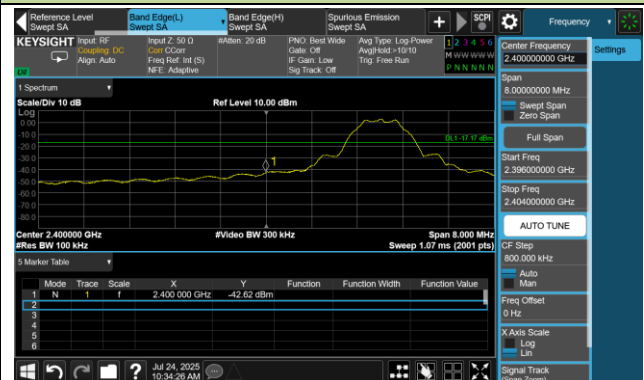
BLE-125 kbps Out-of-Band Emissions

Channel 00 (2402 MHz)

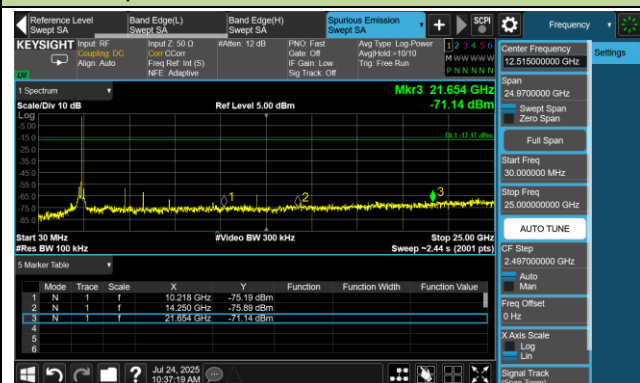
100 kHz PSD Reference Level



Low Band Edge

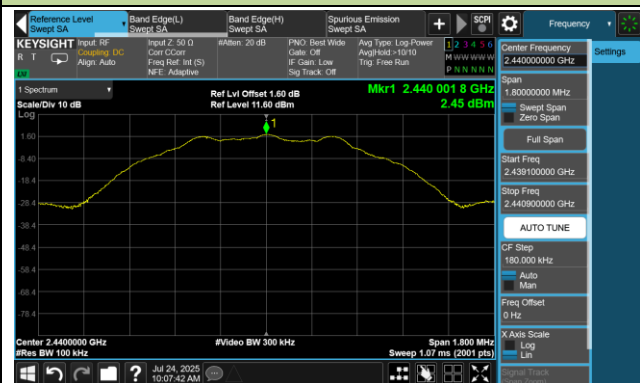


Spurious Emission 30 MHz ~ 25 GHz

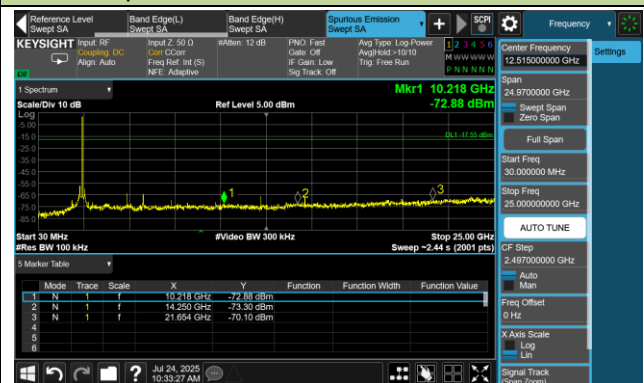


Channel 19 (2440 MHz)

100 kHz PSD Reference Level

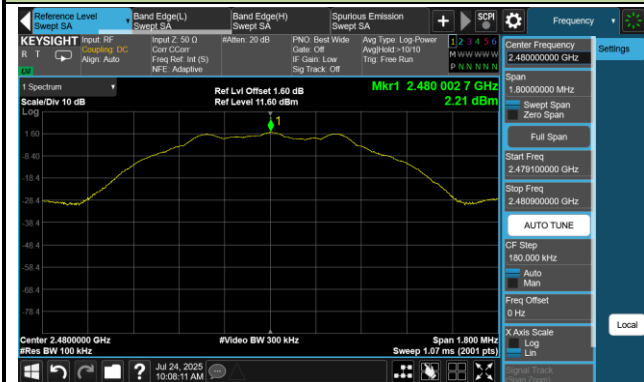


Spurious Emission 30 MHz ~ 25 GHz

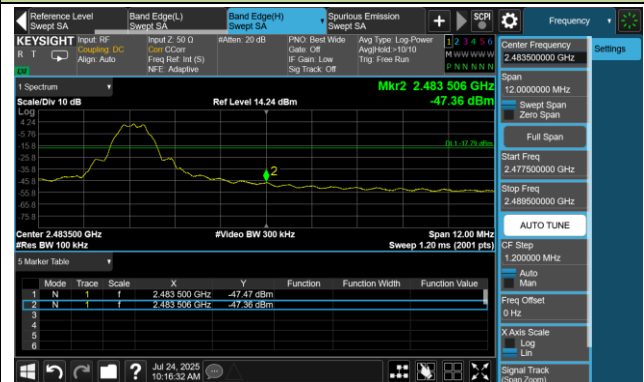


Channel 39 (2480 MHz)

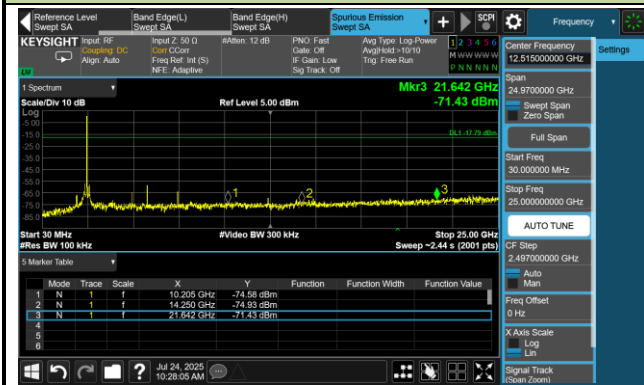
100 kHz PSD Reference Level



High Band Edge



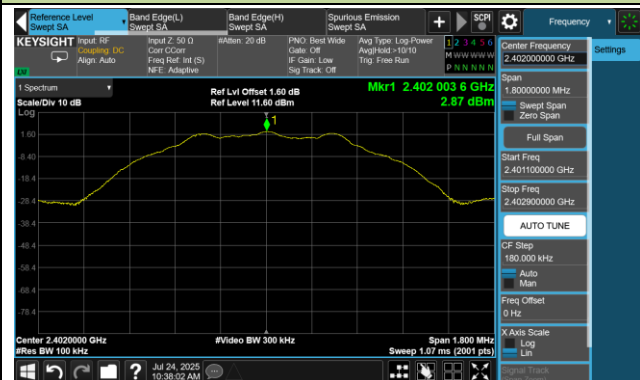
Spurious Emission 30 MHz ~ 25 GHz



BLE-500 kbps Out-of-Band Emissions

Channel 00 (2402 MHz)

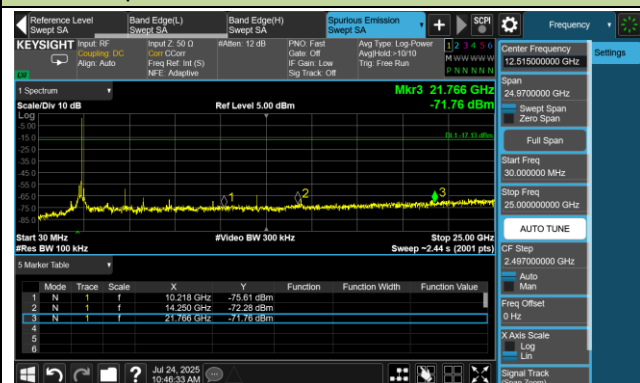
100 kHz PSD Reference Level



Low Band Edge

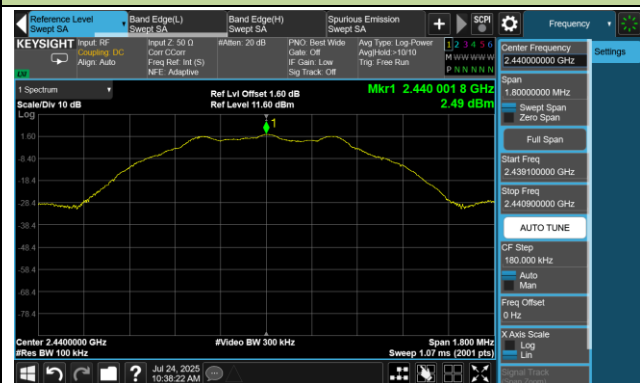


Spurious Emission 30 MHz ~ 25 GHz

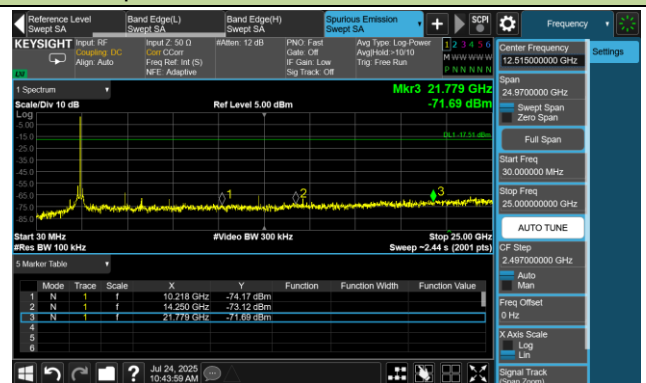


Channel 19 (2440 MHz)

100 kHz PSD Reference Level

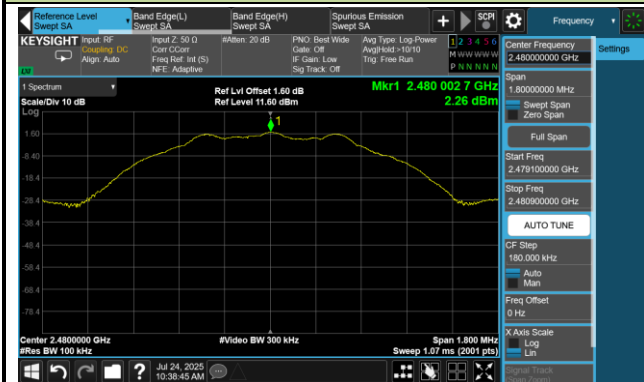


Spurious Emission 30 MHz ~ 25 GHz

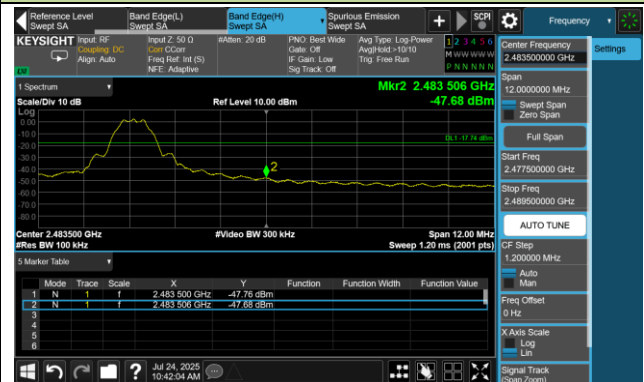


Channel 39 (2480 MHz)

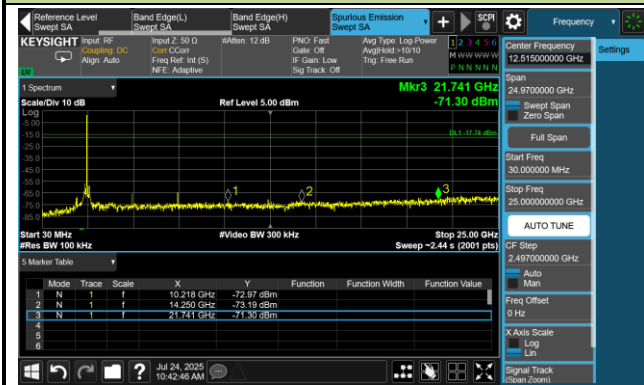
100 kHz PSD Reference Level



High Band Edge



Spurious Emission 30 MHz ~ 25 GHz



BLE-1 Mbps Out-of-Band Emissions

Channel 00 (2402 MHz)

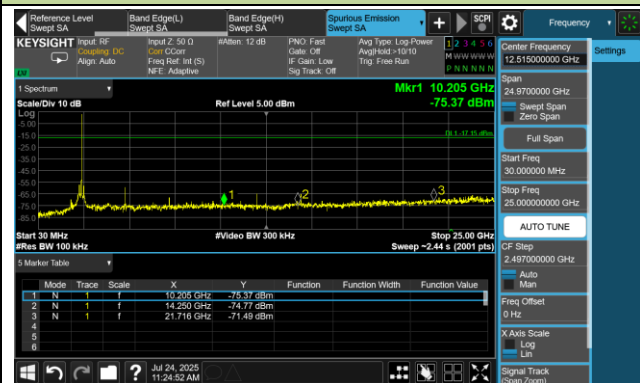
100 kHz PSD Reference Level



Low Band Edge

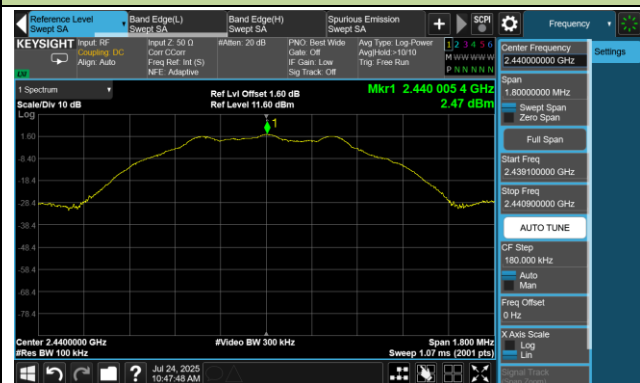


Spurious Emission 30 MHz ~ 25 GHz

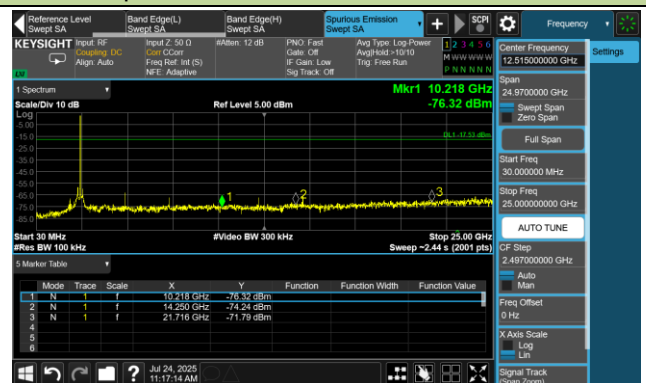


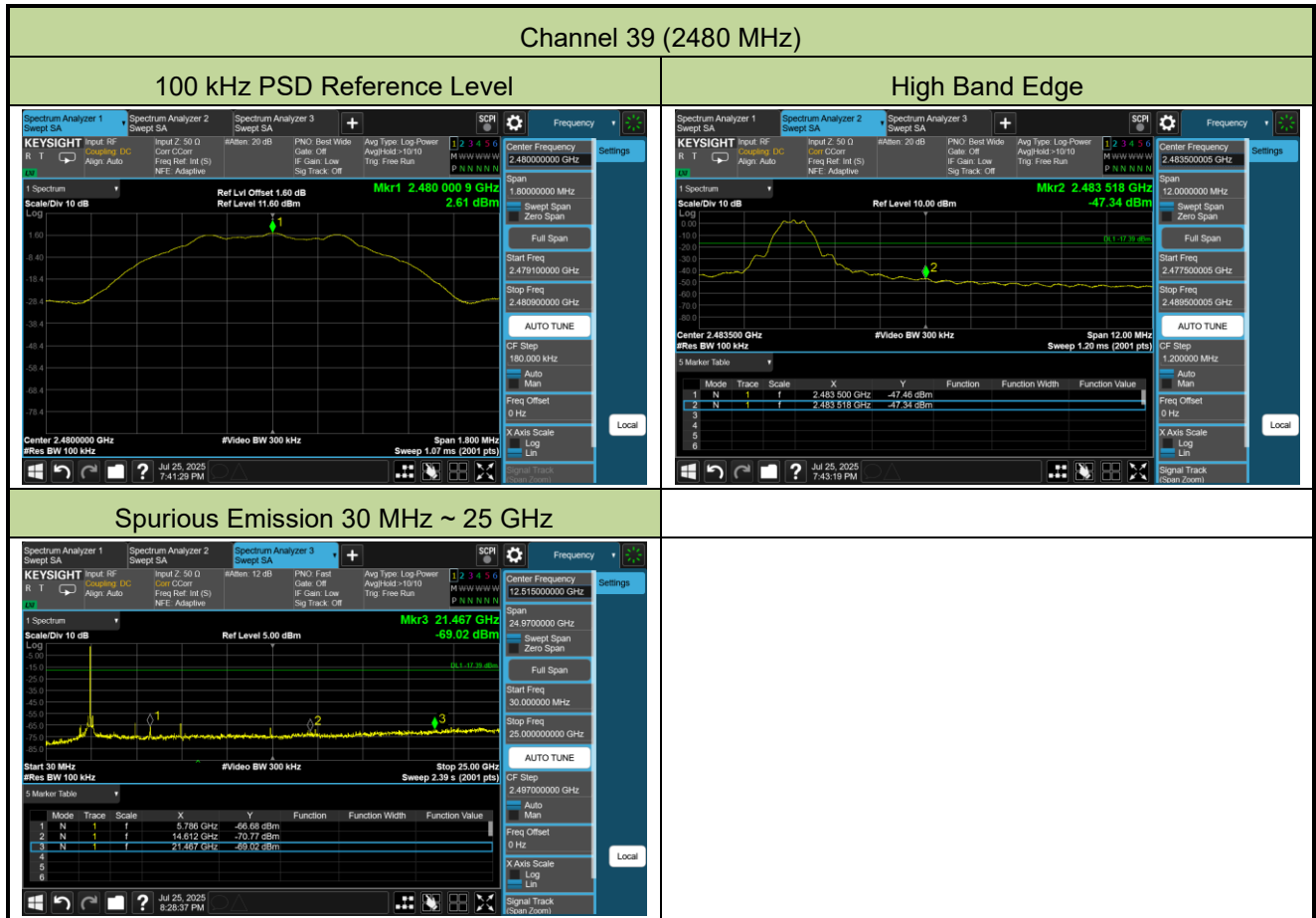
Channel 19 (2440 MHz)

100 kHz PSD Reference Level



Spurious Emission 30 MHz ~ 25 GHz





BLE-2 Mbps Out-of-Band Emissions

Channel 00 (2402 MHz)

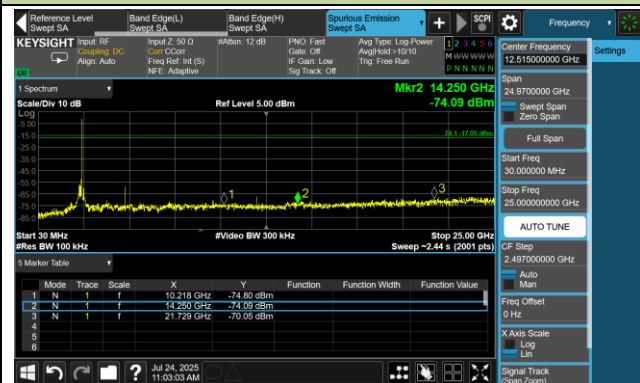
100 kHz PSD Reference Level



Low Band Edge

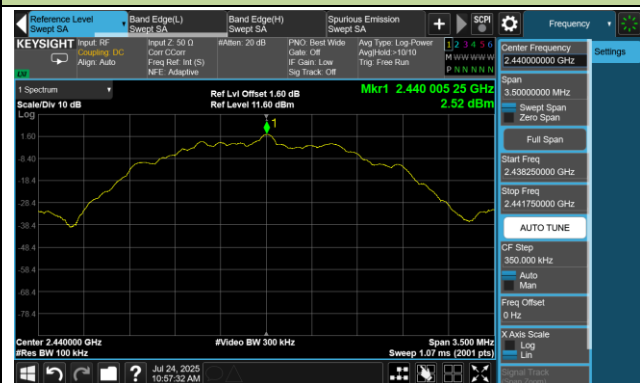


Spurious Emission 30 MHz ~ 25 GHz

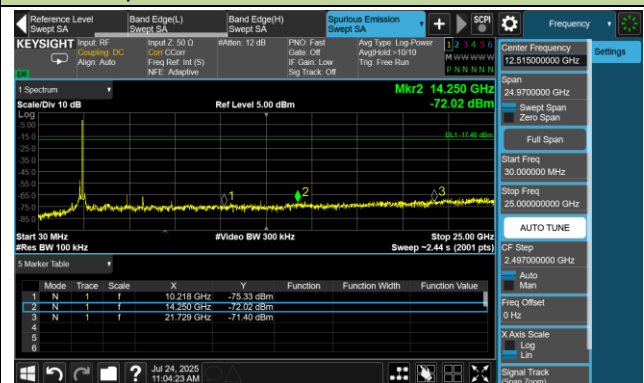


Channel 19 (2440 MHz)

100 kHz PSD Reference Level

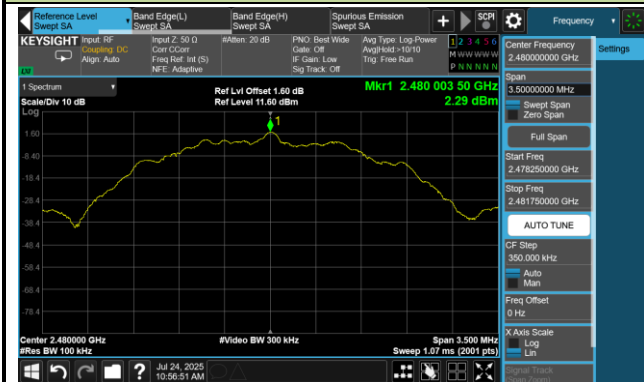


Spurious Emission 30 MHz ~ 25 GHz

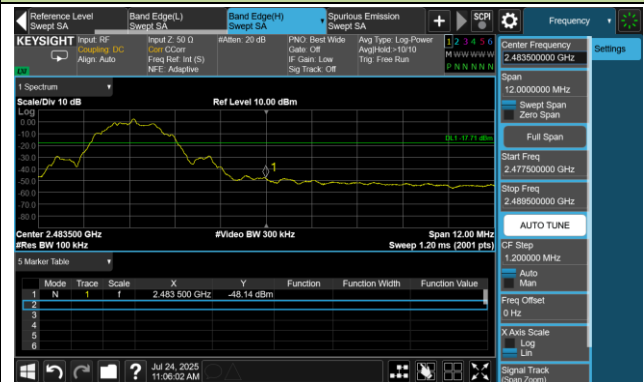


Channel 39 (2480 MHz)

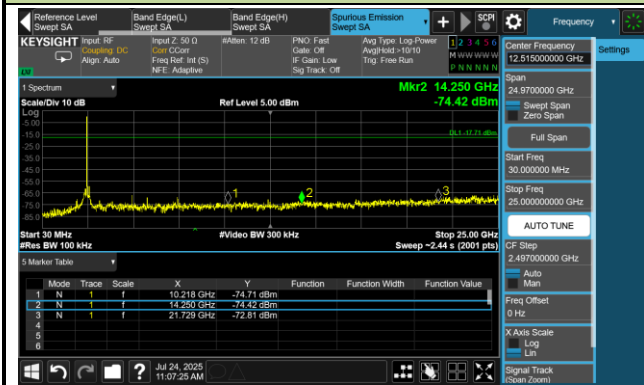
100 kHz PSD Reference Level



High Band Edge



Spurious Emission 30 MHz ~ 25 GHz



A.6 Radiated Spurious Emission Test Result

Test Site	WJ-AC1	Test Engineer	Carl Jiang
Test Date	2025-08-06	Test Mode	BLE-125 kbps
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	7466.80	28.04	13.76	41.80	74.00	-32.20	Peak	Horizontal
	8320.20	26.95	14.52	41.47	74.00	-32.53	Peak	Horizontal
	17960.90	12.09	28.77	40.86	54.00	-13.14	Average	Horizontal
	17960.90	28.83	28.77	57.60	74.00	-16.40	Peak	Horizontal
	4253.80	35.68	7.40	43.08	74.00	-30.92	Peak	Vertical
	7448.10	28.50	13.63	42.13	74.00	-31.87	Peak	Vertical
	17974.50	12.12	29.46	41.58	54.00	-12.42	Average	Vertical
	17974.50	28.98	29.46	58.44	74.00	-15.56	Peak	Vertical
19	7487.20	26.67	13.53	40.20	74.00	-33.80	Peak	Horizontal
	8320.20	27.23	14.52	41.75	74.00	-32.25	Peak	Horizontal
	17840.20	12.36	28.35	40.71	54.00	-13.29	Average	Horizontal
	17840.20	27.14	28.35	55.49	74.00	-18.51	Peak	Horizontal
	7526.30	27.30	13.84	41.14	74.00	-32.86	Peak	Vertical
	8192.70	27.57	14.47	42.04	74.00	-31.96	Peak	Vertical
	17986.40	12.16	29.57	41.73	54.00	-12.27	Average	Vertical
	17986.40	27.56	29.57	57.13	74.00	-16.87	Peak	Vertical
39	7545.00	27.90	13.73	41.63	74.00	-32.37	Peak	Horizontal
	16116.40	17.96	25.28	43.24	54.00	-10.76	Average	Horizontal
	16116.40	30.99	25.28	56.27	74.00	-17.73	Peak	Horizontal
	17981.30	12.16	29.82	41.98	54.00	-12.02	Average	Horizontal
	17981.30	29.51	29.82	59.33	74.00	-14.67	Peak	Horizontal
	11223.80	27.81	18.65	46.46	74.00	-27.54	Peak	Vertical
	12077.20	26.01	20.55	46.56	74.00	-27.44	Peak	Vertical
	17916.70	12.17	28.93	41.10	54.00	-12.90	Average	Vertical
	17916.70	27.15	28.93	56.08	74.00	-17.92	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC1	Test Engineer	Carl Jiang
Test Date	2025-08-06	Test Mode	BLE-500 kbps
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	7466.80	27.48	13.76	41.24	74.00	-32.76	Peak	Horizontal
	8342.30	28.10	14.53	42.63	74.00	-31.37	Peak	Horizontal
	17877.60	12.31	29.71	42.02	54.00	-11.98	Average	Horizontal
	17877.60	26.56	29.71	56.27	74.00	-17.73	Peak	Horizontal
	11081.00	27.22	18.46	45.68	74.00	-28.32	Peak	Vertical
	11693.00	26.83	19.50	46.33	74.00	-27.67	Peak	Vertical
	17993.20	12.47	28.99	41.46	54.00	-12.54	Average	Vertical
	17993.20	24.99	28.99	53.98	74.00	-20.02	Peak	Vertical
19	7492.30	27.92	13.58	41.50	74.00	-32.50	Peak	Horizontal
	8281.10	27.70	14.33	42.03	74.00	-31.97	Peak	Horizontal
	17877.60	18.12	29.71	47.83	54.00	-6.17	Average	Horizontal
	17877.60	26.98	29.71	56.69	74.00	-17.31	Peak	Horizontal
	7567.10	26.74	13.97	40.71	74.00	-33.29	Peak	Vertical
	8323.60	26.98	14.52	41.50	74.00	-32.50	Peak	Vertical
	17954.10	12.29	28.49	40.78	54.00	-13.22	Average	Vertical
	17954.10	27.13	28.49	55.62	74.00	-18.38	Peak	Vertical
39	7436.20	28.95	13.49	42.44	74.00	-31.56	Peak	Horizontal
	8281.10	27.52	14.33	41.85	74.00	-32.15	Peak	Horizontal
	17979.60	12.26	29.73	41.99	54.00	-12.01	Average	Horizontal
	17979.60	30.25	29.73	59.98	74.00	-14.02	Peak	Horizontal
	11057.20	27.42	18.33	45.75	74.00	-28.25	Peak	Vertical
	11718.50	26.12	19.62	45.74	74.00	-28.26	Peak	Vertical
	17916.70	12.40	28.93	41.33	54.00	-12.67	Average	Vertical
	17916.70	26.76	28.93	55.69	74.00	-18.31	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC1	Test Engineer	Carl Jiang
Test Date	2025-08-07	Test Mode	BLE-1 Mbps
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	4906.60	30.45	8.36	38.81	74.00	-35.19	Peak	Horizontal
	7487.20	28.49	13.53	42.02	74.00	-31.98	Peak	Horizontal
	17988.10	12.06	29.42	41.48	54.00	-12.52	Average	Horizontal
	17988.10	28.50	29.42	57.92	74.00	-16.08	Peak	Horizontal
	4945.70	31.32	8.20	39.52	74.00	-34.48	Peak	Vertical
	7466.80	28.31	13.76	42.07	74.00	-31.93	Peak	Vertical
	17993.20	12.05	28.99	41.04	54.00	-12.96	Average	Vertical
	17993.20	28.40	28.99	57.39	74.00	-16.61	Peak	Vertical
19	7448.10	27.82	13.63	41.45	74.00	-32.55	Peak	Horizontal
	8277.70	26.75	14.33	41.08	74.00	-32.92	Peak	Horizontal
	17991.50	12.24	29.13	41.37	54.00	-12.63	Average	Horizontal
	17991.50	29.30	29.13	58.43	74.00	-15.57	Peak	Horizontal
	7487.20	26.97	13.53	40.50	74.00	-33.50	Peak	Vertical
	8320.20	29.34	14.52	43.86	74.00	-30.14	Peak	Vertical
	17881.00	12.12	29.39	41.51	54.00	-12.49	Average	Vertical
	17881.00	28.86	29.39	58.25	74.00	-15.75	Peak	Vertical
39	7466.80	27.93	13.76	41.69	74.00	-32.31	Peak	Horizontal
	8235.20	28.26	14.38	42.64	74.00	-31.36	Peak	Horizontal
	17862.30	12.35	29.21	41.56	54.00	-12.44	Average	Horizontal
	17862.30	28.80	29.21	58.01	74.00	-15.99	Peak	Horizontal
	7487.20	26.87	13.53	40.40	74.00	-33.60	Peak	Vertical
	8214.80	27.89	14.56	42.45	74.00	-31.55	Peak	Vertical
	17823.20	12.15	29.58	41.73	54.00	-12.27	Average	Vertical
	17823.20	28.15	29.58	57.73	74.00	-16.27	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC1	Test Engineer	Carl Jiang
Test Date	2025-08-07	Test Mode	BLE-2 Mbps
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	4804.60	37.16	8.31	45.47	74.00	-28.53	Peak	Horizontal
	7487.20	28.20	13.53	41.73	74.00	-32.27	Peak	Horizontal
	17983.00	12.25	29.85	42.10	54.00	-11.90	Average	Horizontal
	17983.00	28.88	29.85	58.73	74.00	-15.27	Peak	Horizontal
	4906.60	30.39	8.36	38.75	74.00	-35.25	Peak	Vertical
	7602.80	27.81	13.78	41.59	74.00	-32.41	Peak	Vertical
	17881.00	12.41	29.39	41.80	54.00	-12.20	Average	Vertical
	17881.00	26.21	29.39	55.60	74.00	-18.40	Peak	Vertical
19	7466.80	30.15	13.76	43.91	74.00	-30.09	Peak	Horizontal
	8320.20	26.92	14.52	41.44	74.00	-32.56	Peak	Horizontal
	17881.00	12.16	29.39	41.55	54.00	-12.45	Average	Horizontal
	17881.00	24.33	29.39	53.72	74.00	-20.28	Peak	Horizontal
	7526.30	27.48	13.84	41.32	74.00	-32.68	Peak	Vertical
	8235.20	27.76	14.38	42.14	74.00	-31.86	Peak	Vertical
	17881.00	12.15	29.39	41.54	54.00	-12.46	Average	Vertical
	17881.00	27.63	29.39	57.02	74.00	-16.98	Peak	Vertical
39	7526.30	29.23	13.84	43.07	74.00	-30.93	Peak	Horizontal
	8364.40	28.27	14.55	42.82	74.00	-31.18	Peak	Horizontal
	17996.60	12.36	28.70	41.06	54.00	-12.94	Average	Horizontal
	17996.60	29.41	28.70	58.11	74.00	-15.89	Peak	Horizontal
	7454.90	27.92	13.69	41.61	74.00	-32.39	Peak	Vertical
	8323.60	27.38	14.52	41.90	74.00	-32.10	Peak	Vertical
	17869.10	12.16	29.44	41.60	54.00	-12.40	Average	Vertical
	17869.10	26.73	29.44	56.17	74.00	-17.83	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

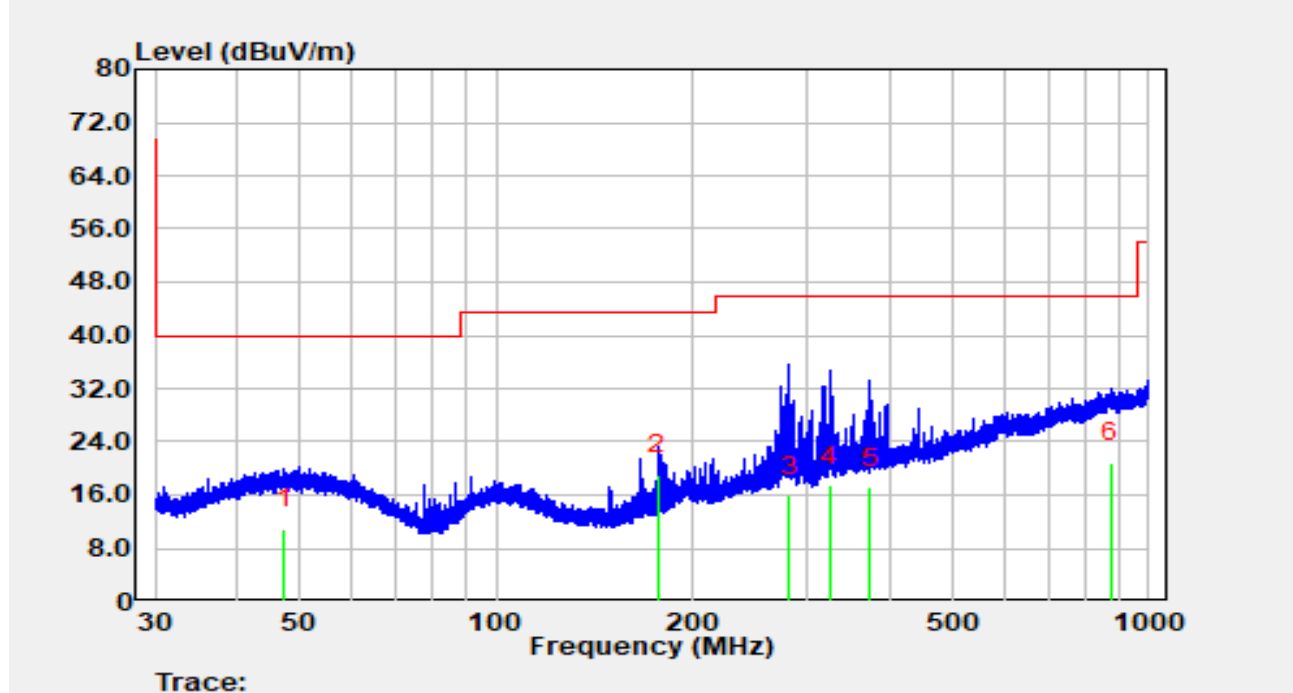
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC2	Test Engineer	Justin Guo
Test Date	2025-08-01	Test Mode	LTE Band 2 + BLE
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11130.300	40.91	7.75	48.66	74.00	-25.34	Peak	Horizontal
14788.700	38.49	12.25	50.74	74.00	-23.26	Peak	Horizontal
17954.100	24.81	20.02	44.83	54.00	-9.17	Average	Horizontal
17954.100	34.70	20.02	54.73	74.00	-19.27	Peak	Horizontal
10232.700	42.56	6.00	48.56	74.00	-25.44	Peak	Vertical
14521.800	26.53	12.49	39.02	54.00	-14.98	Average	Vertical
14521.800	39.39	12.49	51.87	74.00	-22.13	Peak	Vertical
17996.600	25.15	21.02	46.17	54.00	-7.83	Average	Vertical
17996.600	36.72	21.02	57.74	74.00	-16.26	Peak	Vertical

The Result of Radiated Emission below 1 GHz:

Site	WJ-AC1	Test Date	2025-08-07
Temperature	26.2 °C	Humidity	49.3 %
Limit	FCC_Part 15.209_RSE (3 m)	Test Engineer	Carl Jiang
Factor	VULB 9163_07099_3 m	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2402 MHz		

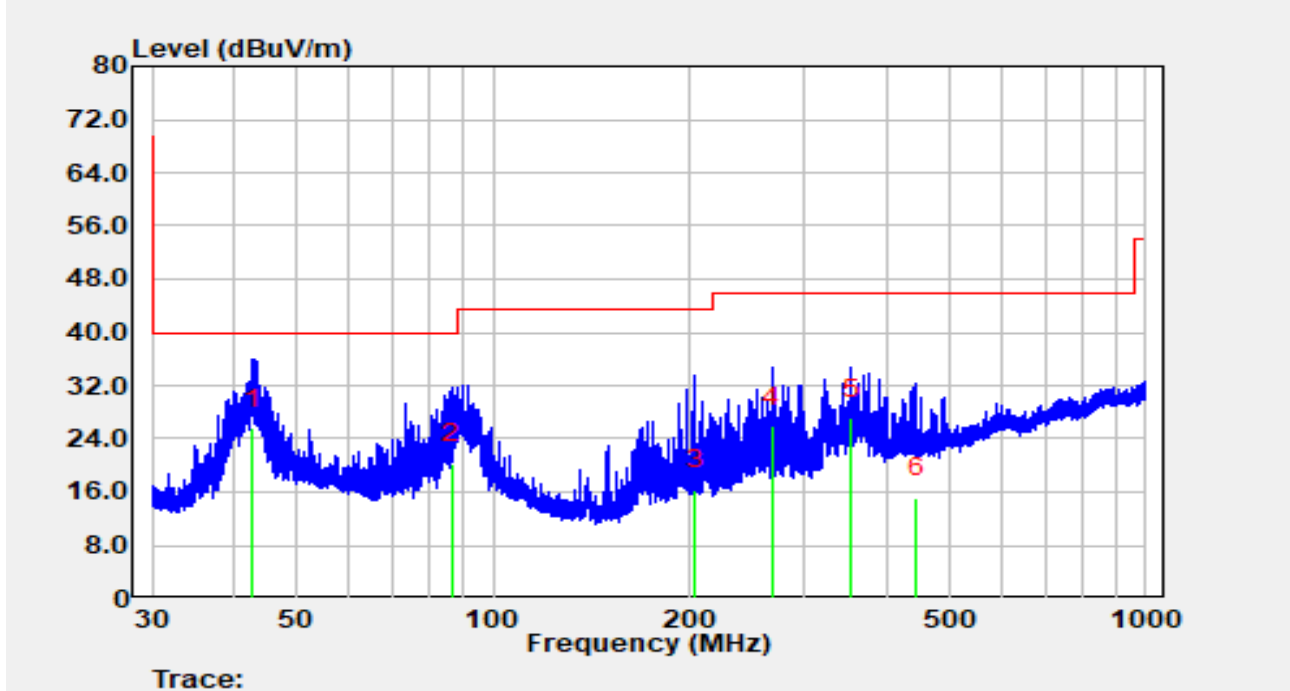


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		47.29	-9.60	20.51	10.91	-29.09	40.00	QP
2	*	177.07	2.90	16.15	19.05	-24.45	43.50	QP
3		281.01	-4.30	20.20	15.90	-30.10	46.00	QP
4		324.46	-3.90	21.35	17.45	-28.55	46.00	QP
5		373.57	-5.30	22.44	17.14	-28.86	46.00	QP
6		873.41	-9.90	30.85	20.95	-25.05	46.00	QP

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
- The amplitude of radiated emissions (frequency range from 9 kHz to 30 MHz and 18 GHz to 25 GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site	WJ-AC1	Test Date	2025-08-07
Temperature	26.2 °C	Humidity	49.3 %
Limit	FCC_Part 15.209_RSE (3 m)	Test Engineer	Carl Jiang
Factor	VULB 9163_07099_3 m	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2402 MHz		



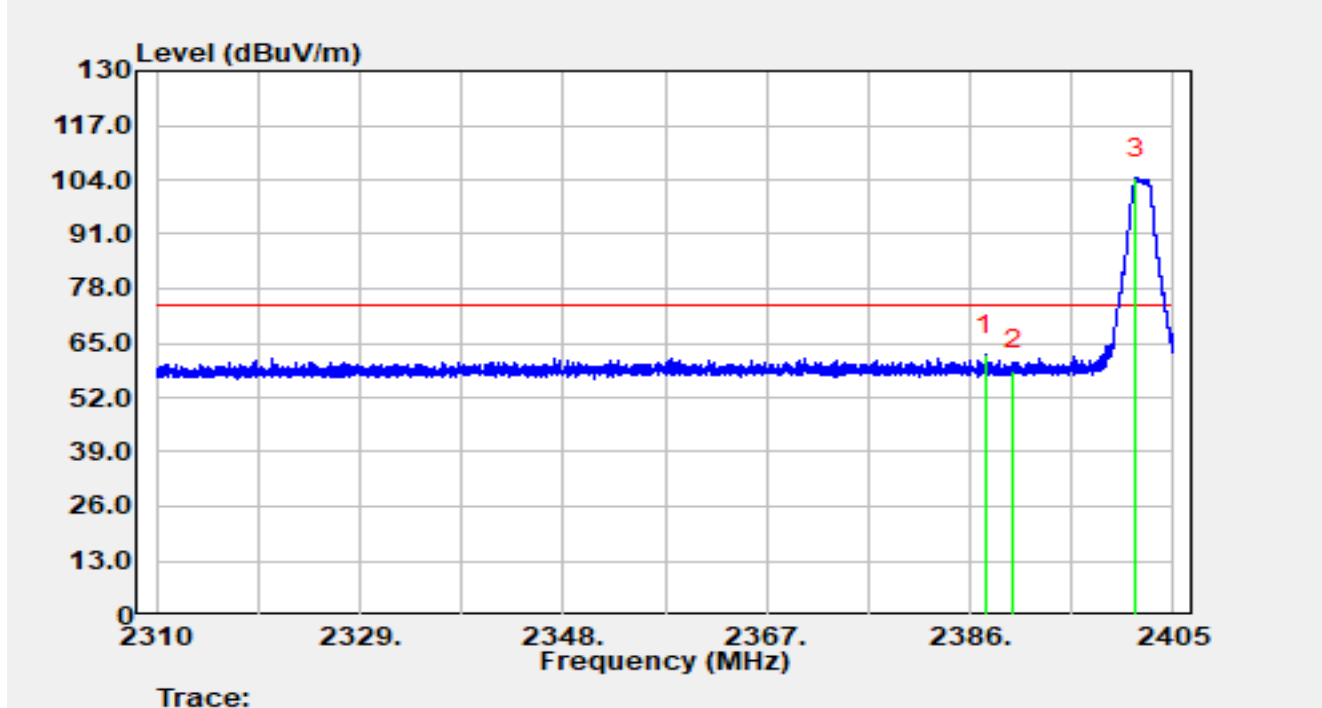
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	42.87	5.70	19.95	25.65	-14.35	40.00	QP
2		86.44	5.10	15.19	20.29	-19.71	40.00	QP
3		204.17	-1.60	17.94	16.34	-27.16	43.50	QP
4		267.55	6.10	19.85	25.95	-20.05	46.00	QP
5		353.44	4.80	22.32	27.12	-18.88	46.00	QP
6		445.32	-8.70	23.89	15.19	-30.81	46.00	QP

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).
- The amplitude of radiated emissions (frequency range from 9 kHz to 30 MHz and 18 GHz to 25 GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.7 Radiated Restricted Band Edge Test Result

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2402 MHz		

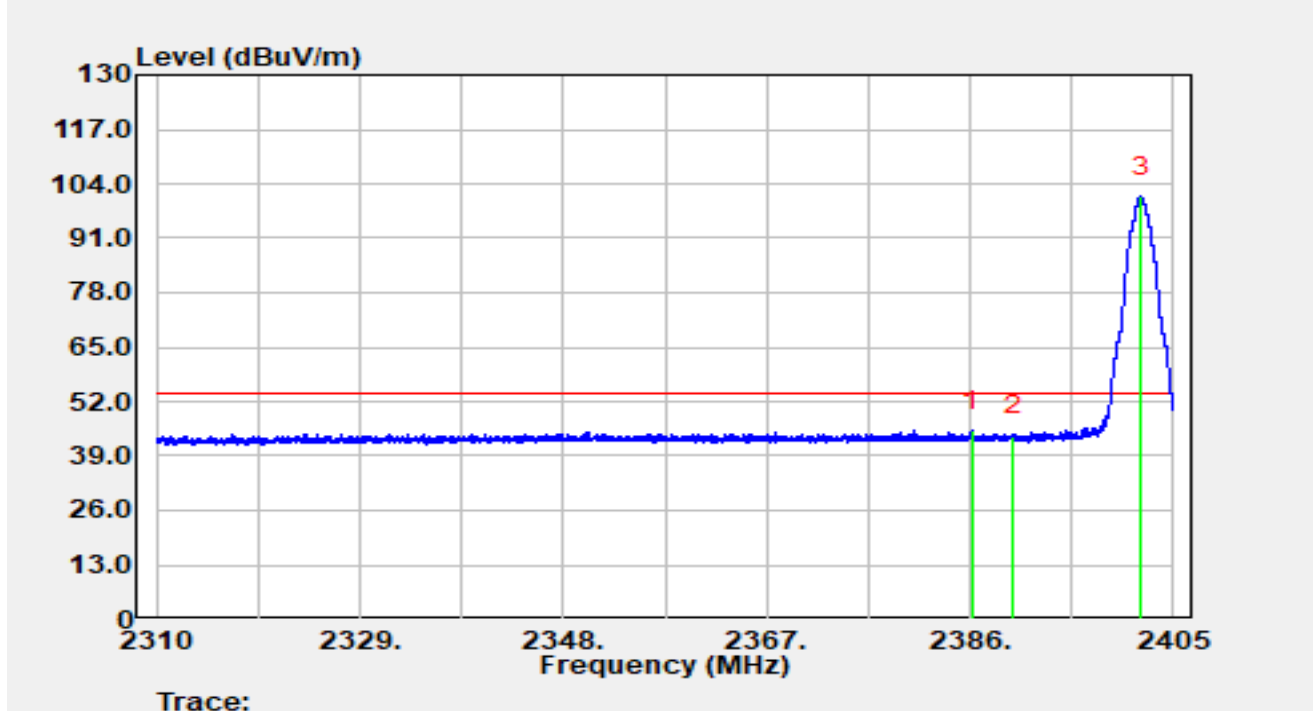


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2387.45	25.32	36.82	62.14	-11.86	74.00	Peak
2		2390.00	21.76	36.83	58.59	-15.41	74.00	Peak
3		2401.52	67.38	36.91	104.29	N/A	N/A	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2402 MHz		

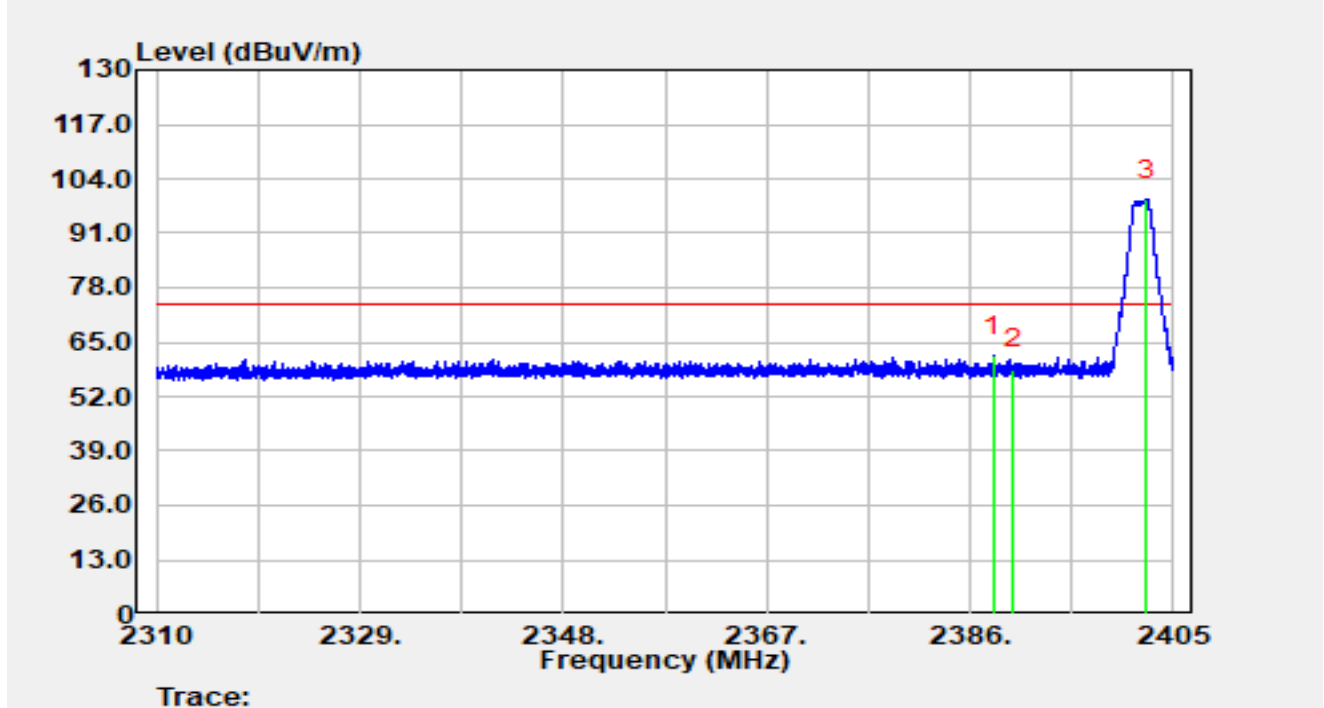


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2386.12	8.22	36.81	45.04	-8.96	54.00	Average
2		2390.00	6.86	36.83	43.69	-10.31	54.00	Average
3		2401.93	64.01	36.92	100.92	N/A	N/A	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2402 MHz		

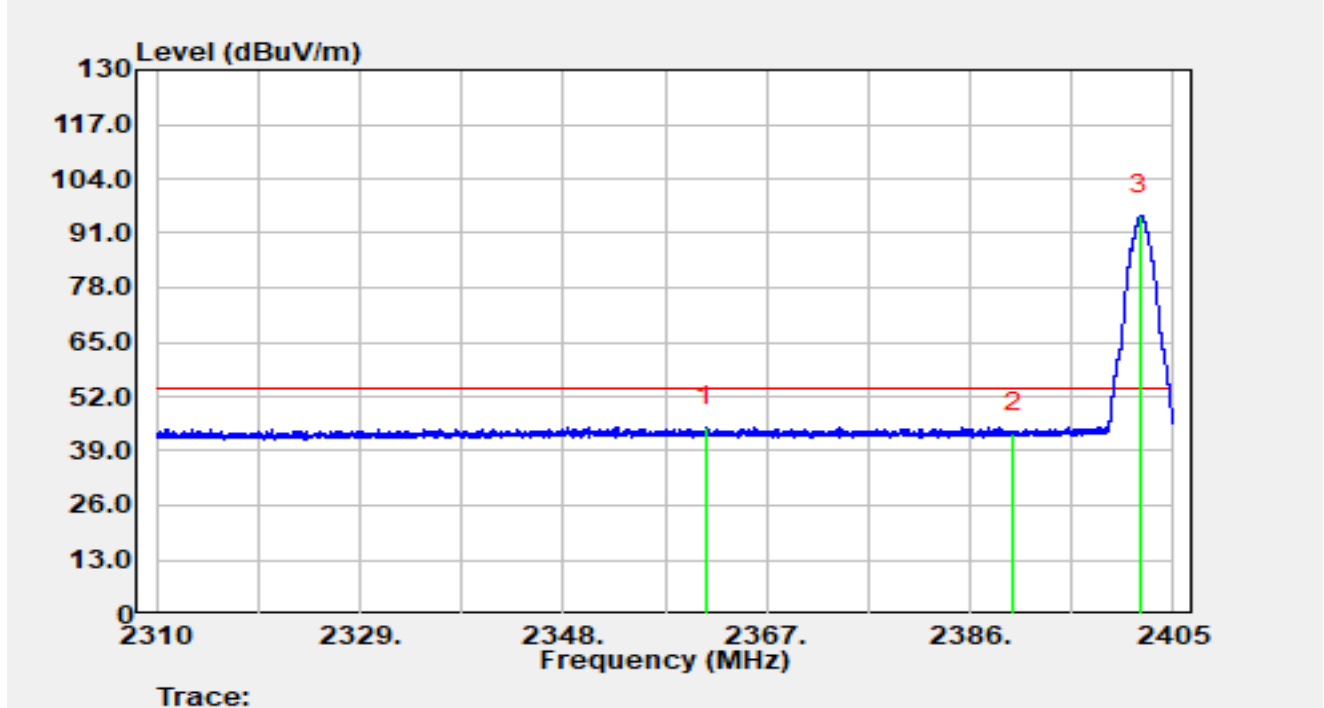


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.15	24.81	36.82	61.63	-12.37	74.00	Peak
2		2390.00	21.74	36.83	58.57	-15.43	74.00	Peak
3		2402.53	61.96	36.92	98.88	N/A	N/A	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2402 MHz		

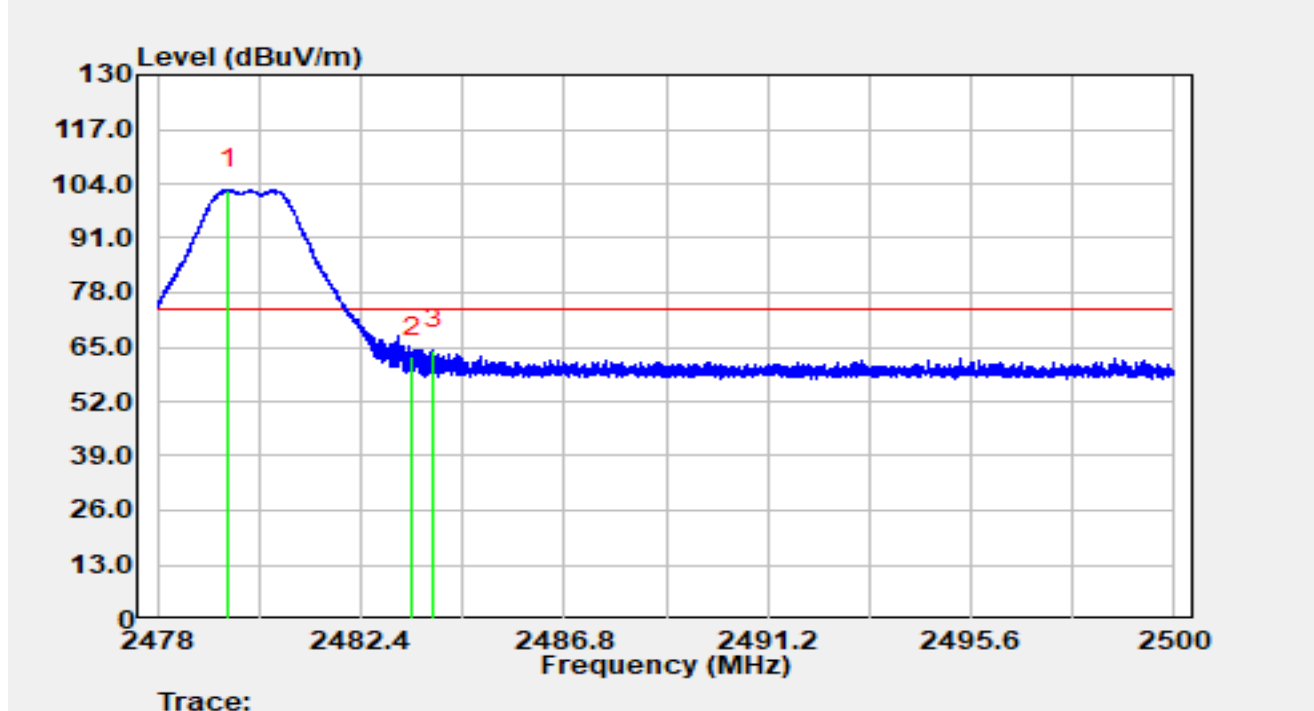


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2361.27	8.02	36.72	44.73	-9.27	54.00	Average
2		2390.00	6.35	36.83	43.18	-10.82	54.00	Average
3		2401.91	58.50	36.92	95.41	N/A	N/A	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2480 MHz		

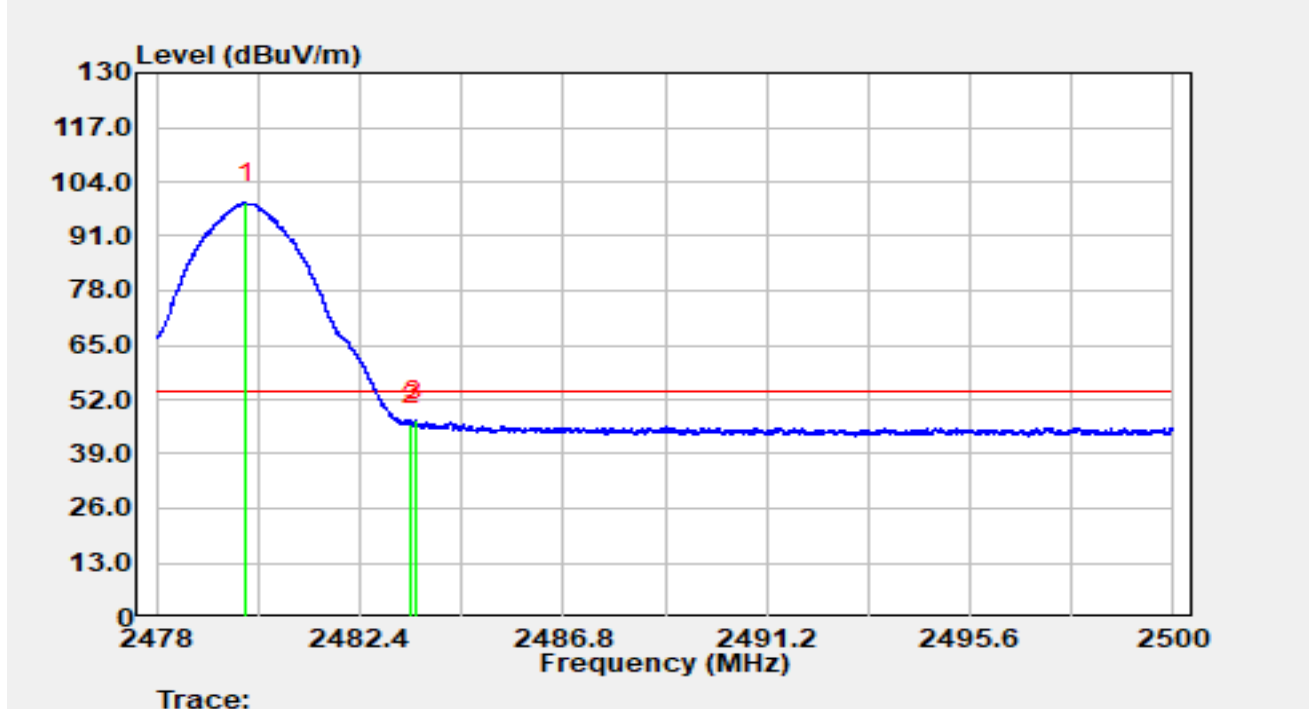


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.52	65.55	37.04	102.59	N/A	N/A	Peak
2		2483.50	25.62	37.05	62.68	-11.32	74.00	Peak
3	*	2483.97	27.29	37.05	64.34	-9.66	74.00	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2480 MHz		

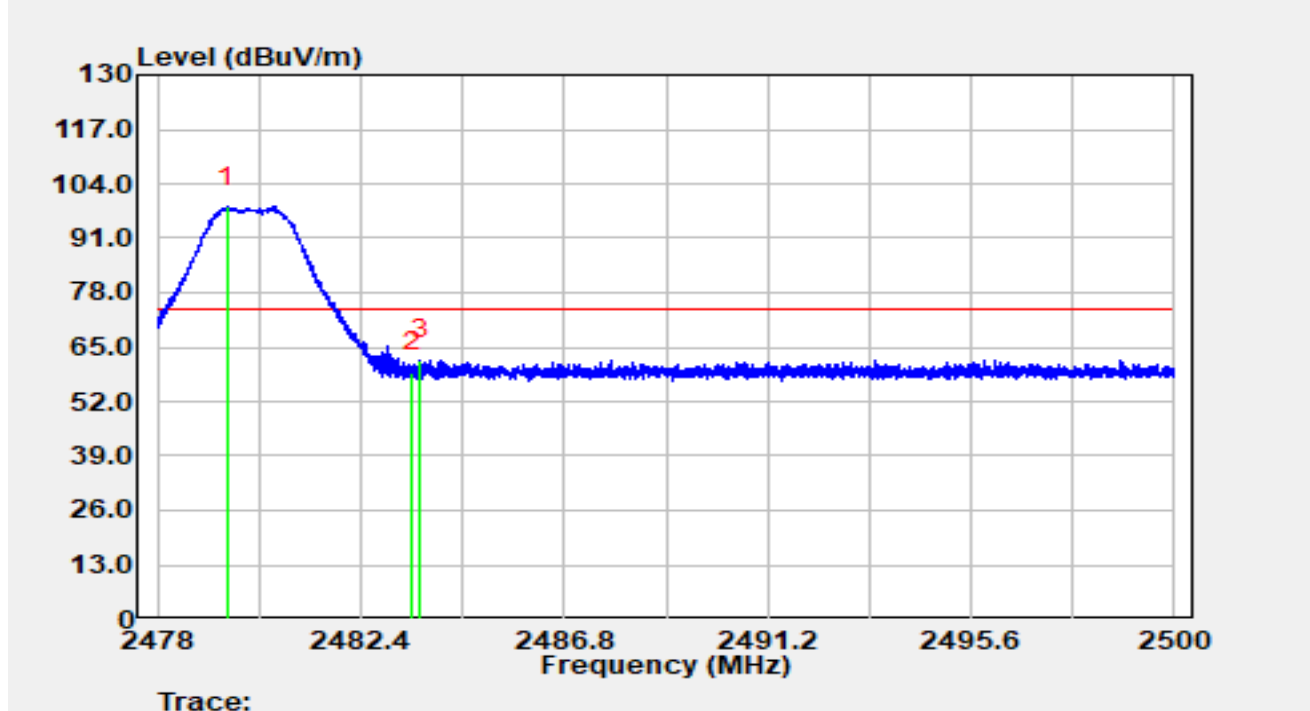


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.95	61.96	37.04	99.00	N/A	N/A	Average
2		2483.50	8.94	37.05	45.99	-8.01	54.00	Average
3	*	2483.59	9.80	37.05	46.85	-7.15	54.00	Average

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2480 MHz		

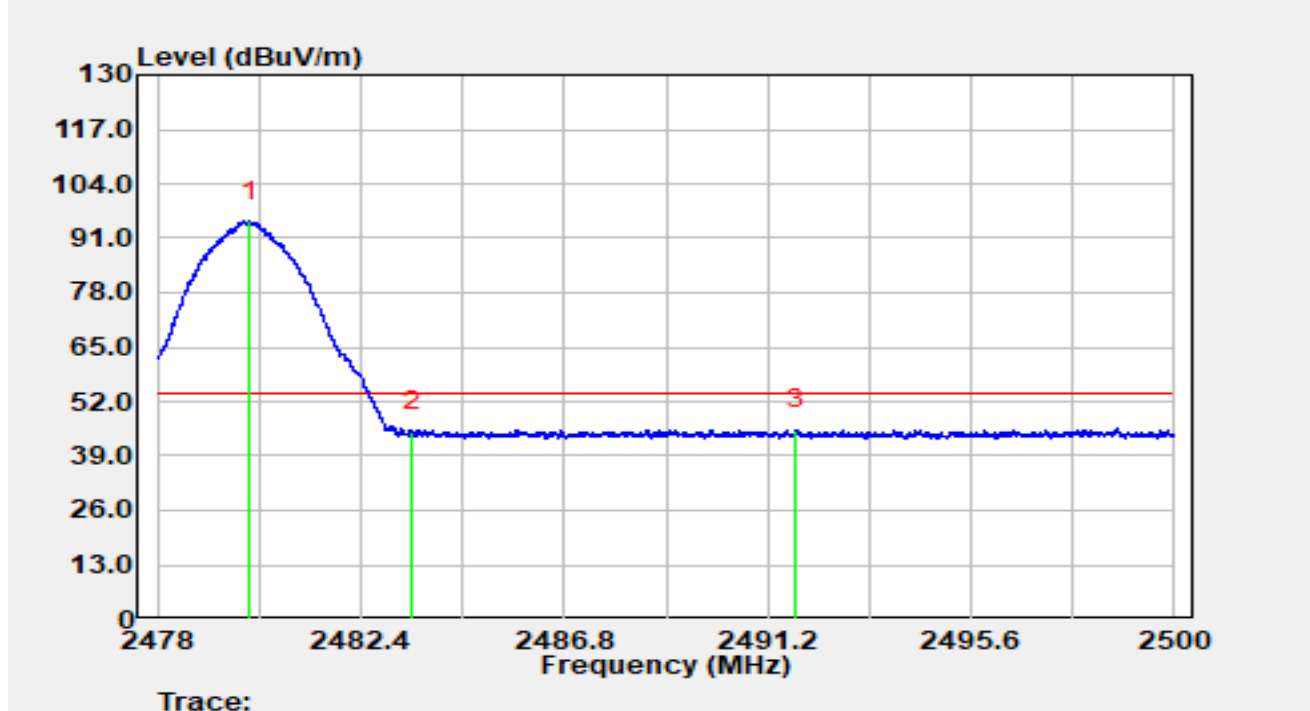


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.51	61.46	37.04	98.50	N/A	N/A	Peak
2		2483.50	22.02	37.05	59.07	-14.93	74.00	Peak
3	*	2483.68	25.00	37.05	62.06	-11.94	74.00	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 125K at 2480 MHz		

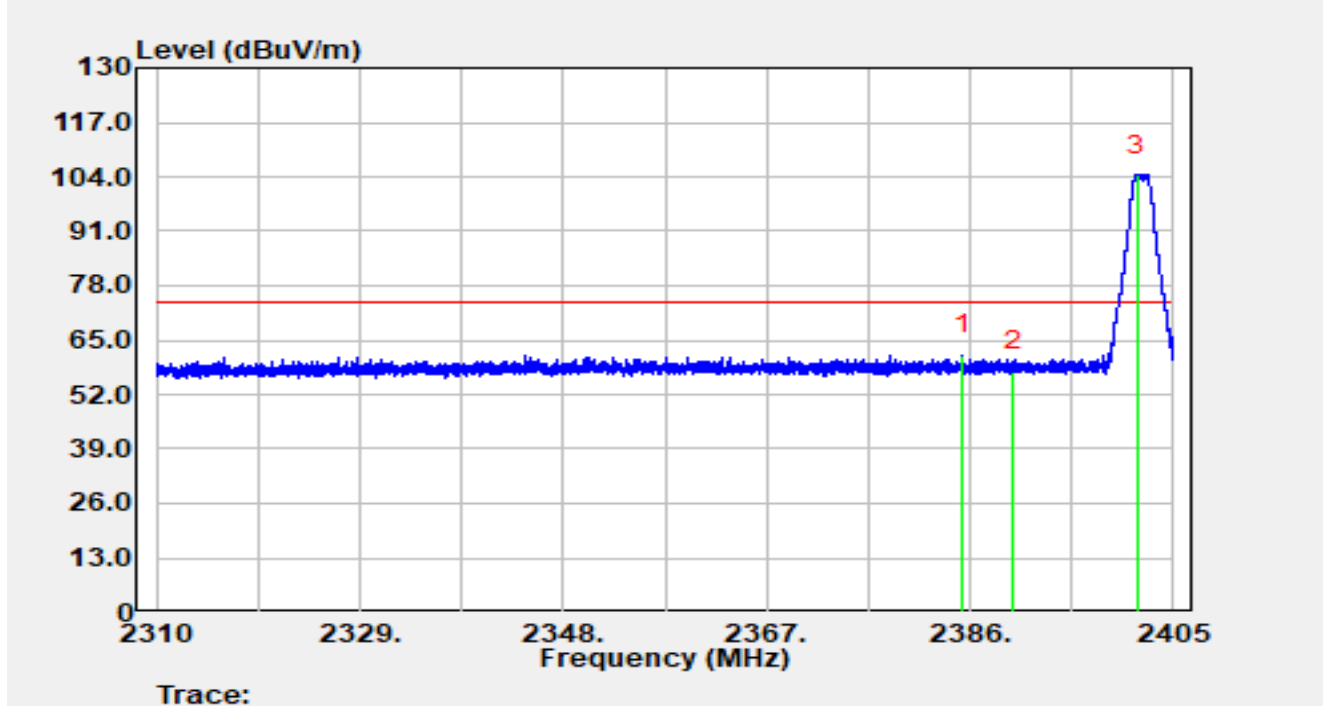


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.00	58.02	37.04	95.06	N/A	N/A	Average
2		2483.50	7.80	37.05	44.85	-9.15	54.00	Average
3	*	2491.82	8.30	37.07	45.38	-8.62	54.00	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2402 MHz		

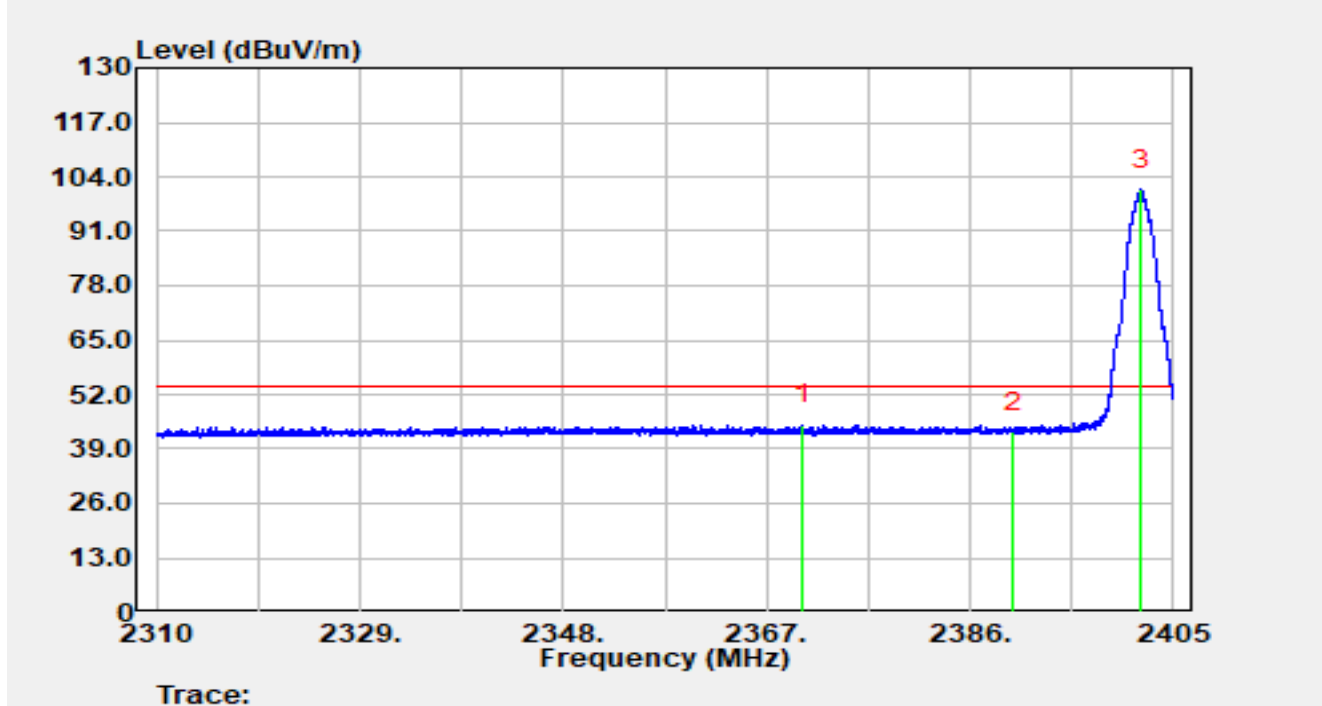


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2385.28	24.72	36.81	61.53	-12.47	74.00	Peak
2		2390.00	20.76	36.83	57.59	-16.41	74.00	Peak
3		2401.55	67.46	36.91	104.38	N/A	N/A	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2402 MHz		

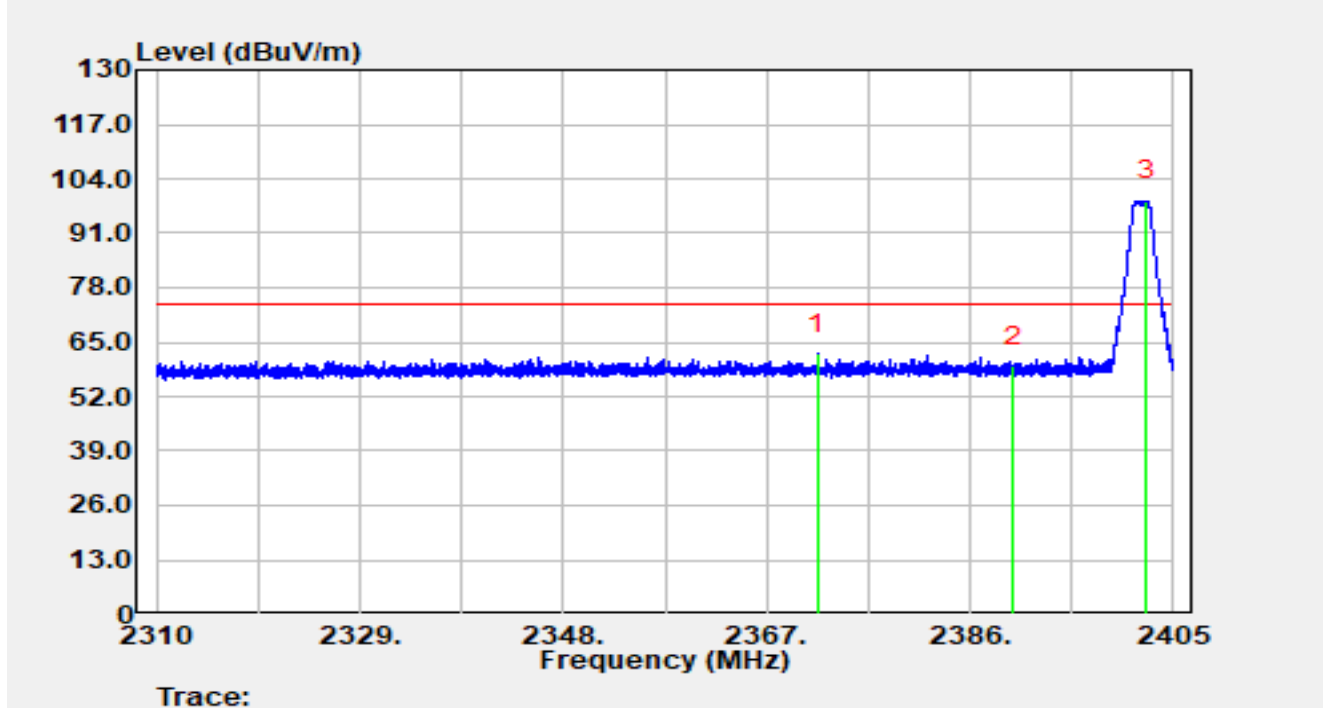


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2370.35	8.05	36.73	44.79	-9.21	54.00	Average
2		2390.00	6.19	36.83	43.02	-10.98	54.00	Average
3		2402.03	63.97	36.92	100.88	N/A	N/A	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2402 MHz		

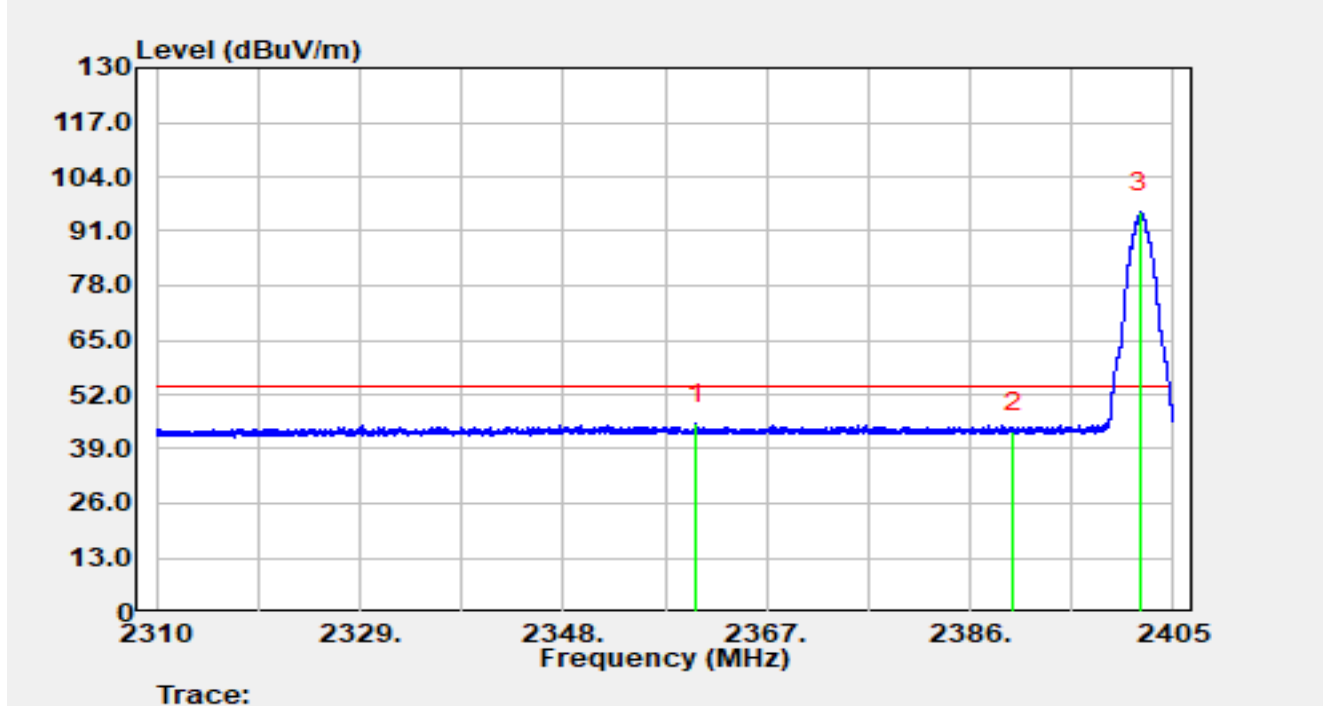


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2371.79	25.55	36.74	62.29	-11.71	74.00	Peak
2		2390.00	22.39	36.83	59.23	-14.77	74.00	Peak
3		2402.54	61.92	36.92	98.84	N/A	N/A	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2402 MHz		

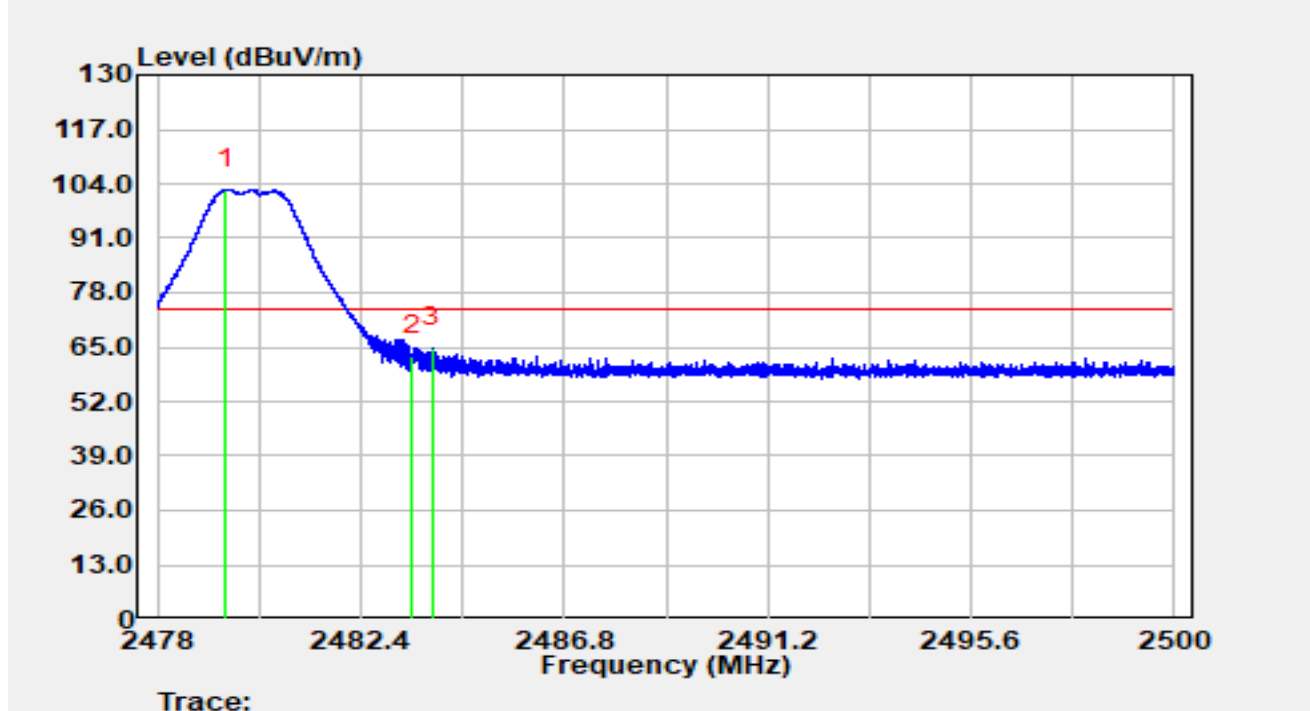


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2360.44	8.21	36.71	44.93	-9.07	54.00	Average
2		2390.00	6.22	36.83	43.05	-10.95	54.00	Average
3		2401.92	58.56	36.92	95.48	N/A	N/A	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2480 MHz		

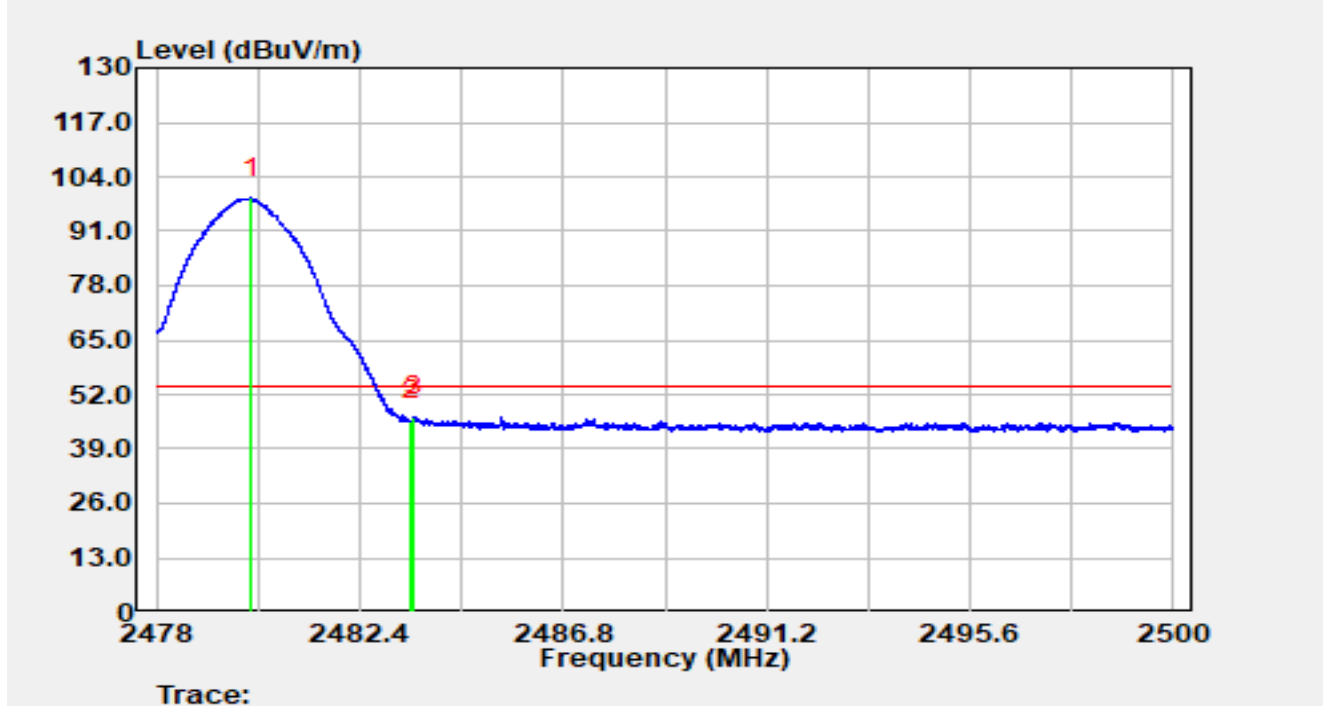


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.49	65.57	37.04	102.61	N/A	N/A	Peak
2		2483.50	25.98	37.05	63.03	-10.97	74.00	Peak
3	*	2483.93	27.71	37.05	64.76	-9.24	74.00	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2480 MHz		

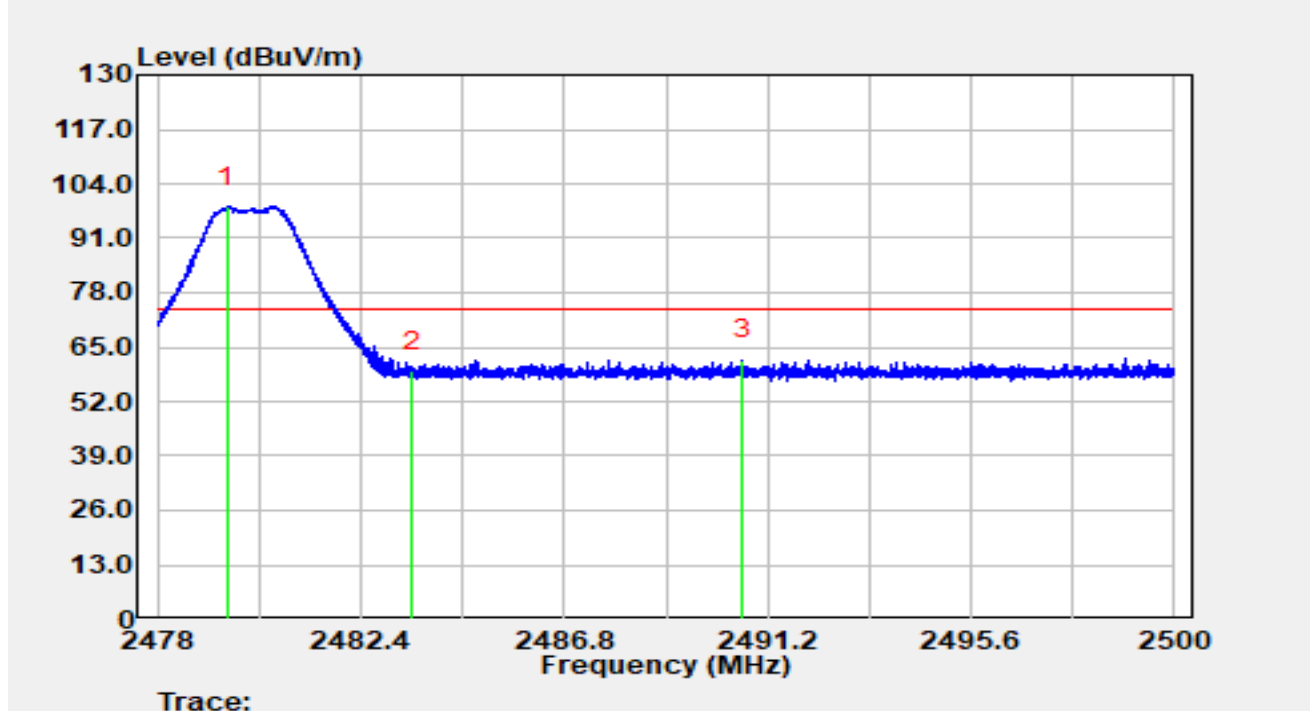


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.04	61.92	37.04	98.96	N/A	N/A	Average
2		2483.50	8.80	37.05	45.86	-8.14	54.00	Average
3	*	2483.58	9.77	37.05	46.82	-7.18	54.00	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2480 MHz		

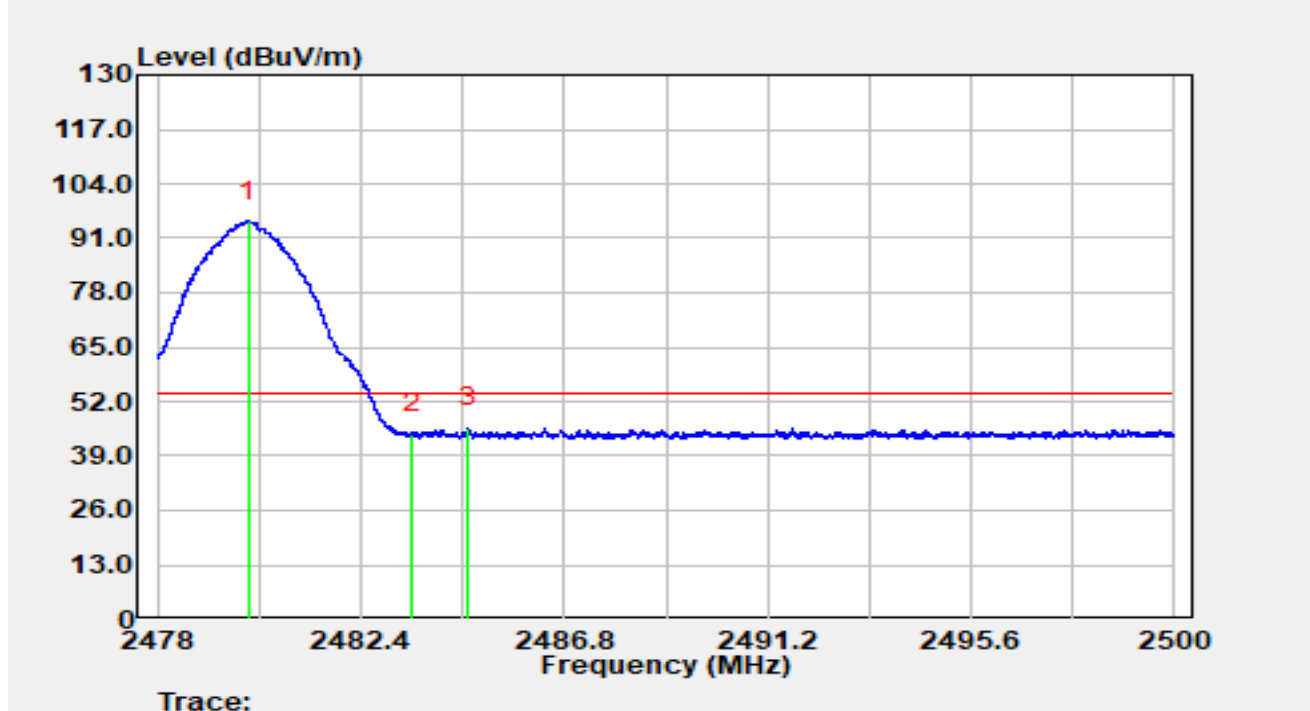


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.51	61.42	37.04	98.46	N/A	N/A	Peak
2		2483.50	22.07	37.05	59.13	-14.87	74.00	Peak
3	*	2490.66	24.76	37.07	61.83	-12.17	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 500K at 2480 MHz		

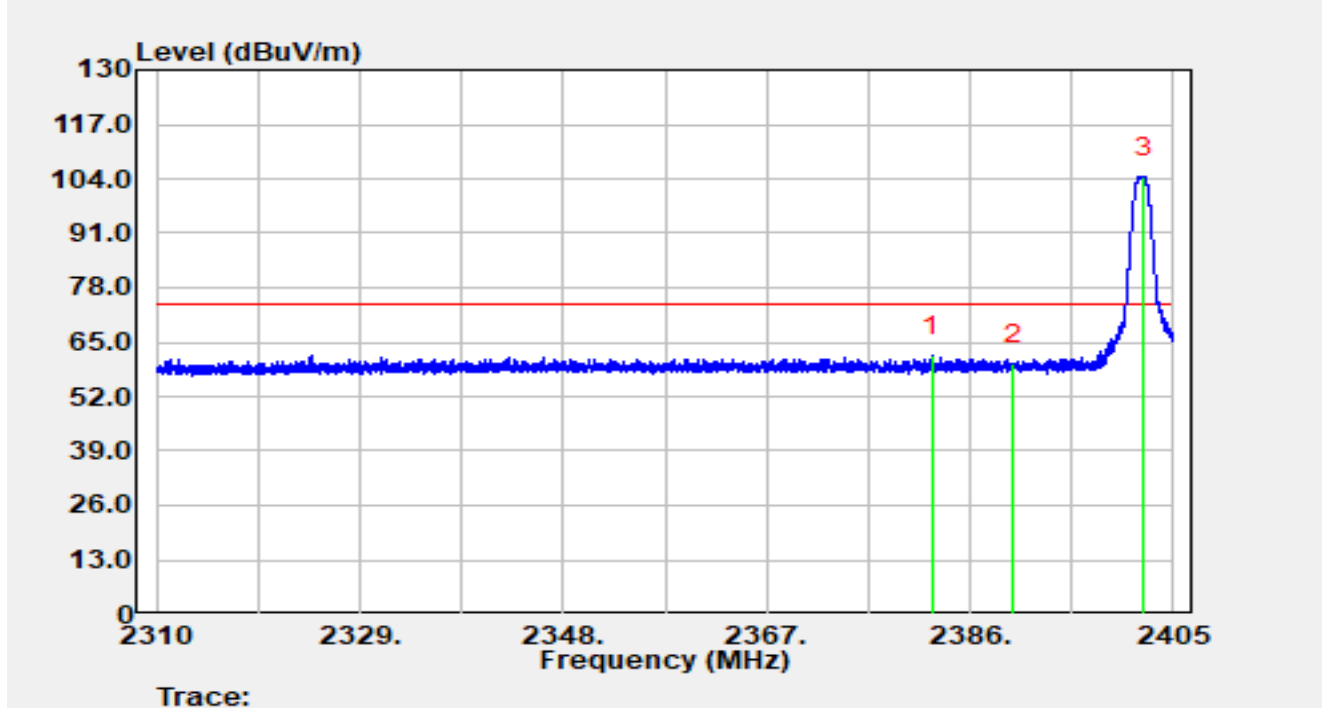


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.95	58.02	37.04	95.06	N/A	N/A	Average
2		2483.50	7.11	37.05	44.16	-9.84	54.00	Average
3	*	2484.71	8.64	37.06	45.69	-8.31	54.00	Average

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2402 MHz		

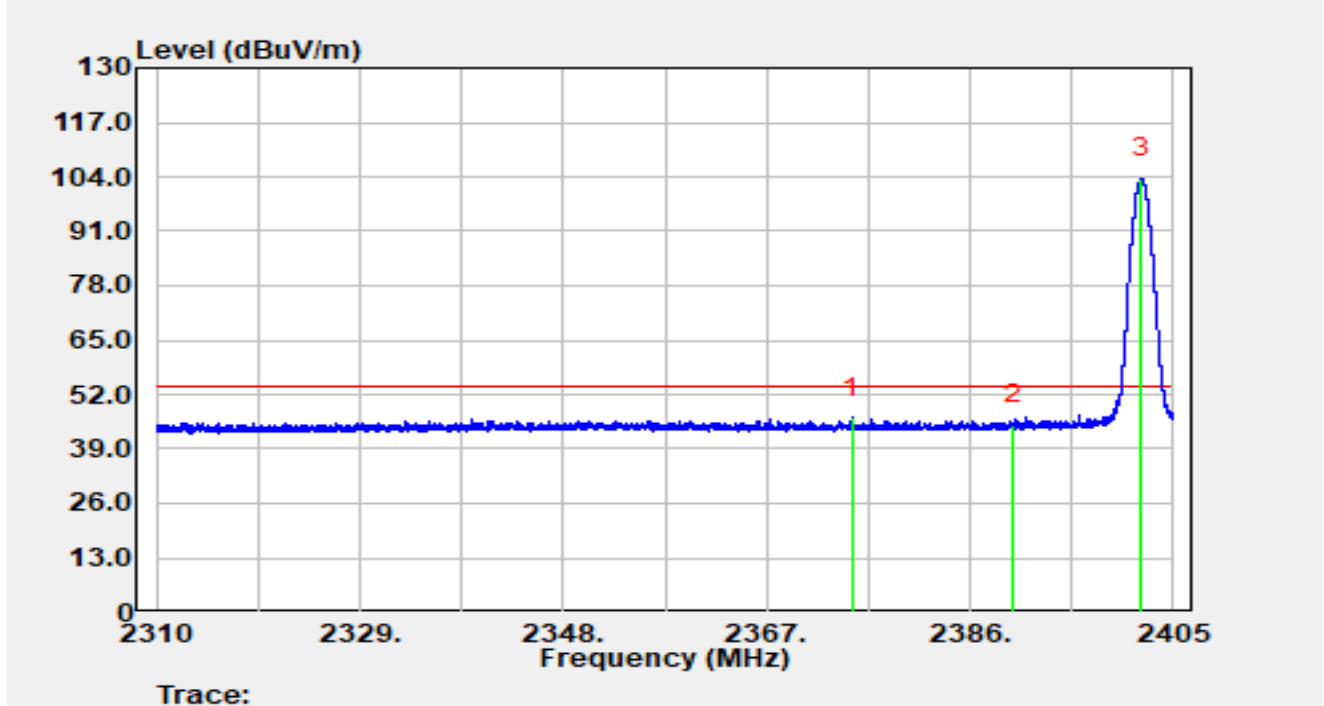


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2382.48	24.99	36.79	61.78	-12.22	74.00	Peak
2		2390.00	22.90	36.83	59.73	-14.27	74.00	Peak
3		2402.29	67.35	36.92	104.27	N/A	N/A	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2402 MHz		

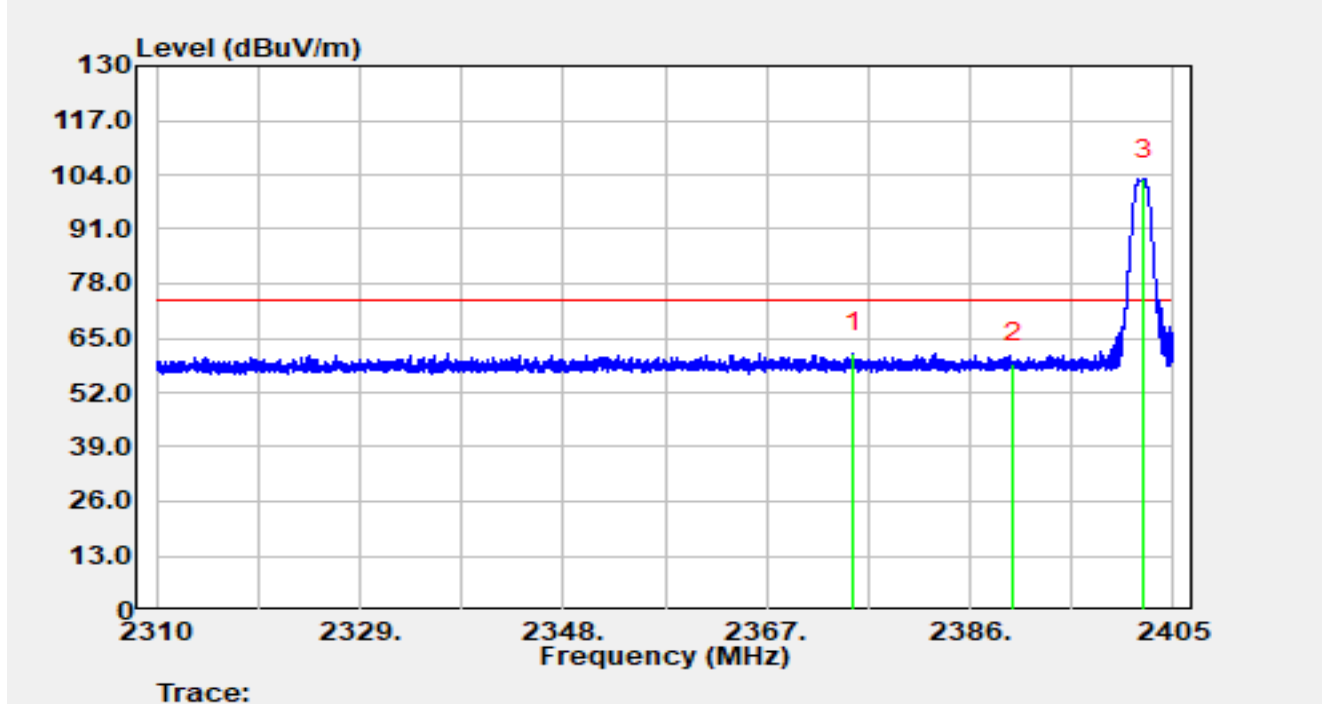


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2374.95	9.63	36.76	46.38	-7.62	54.00	Average
2		2390.00	7.85	36.83	44.68	-9.32	54.00	Average
3		2402.00	66.66	36.92	103.57	N/A	N/A	Average

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2402 MHz		

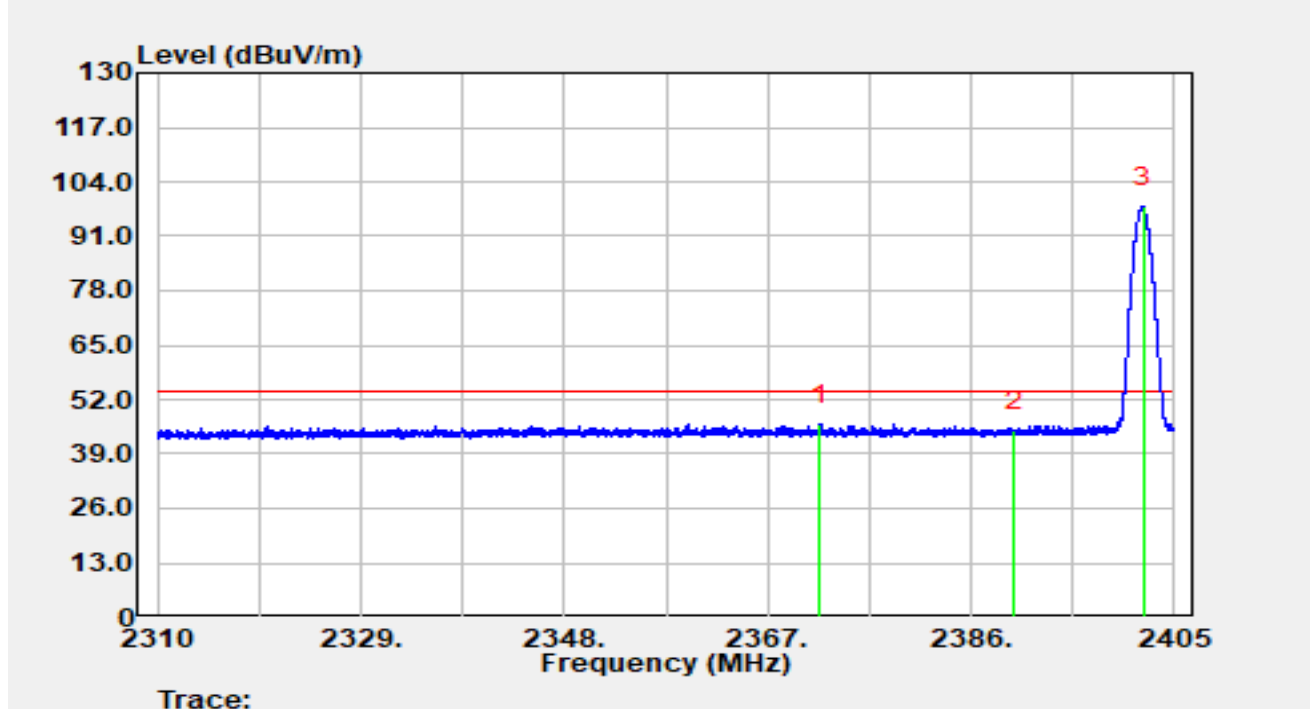


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2375.15	24.67	36.76	61.43	-12.57	74.00	Peak
2		2390.00	22.15	36.83	58.98	-15.02	74.00	Peak
3		2402.28	65.89	36.92	102.81	N/A	N/A	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2402 MHz		

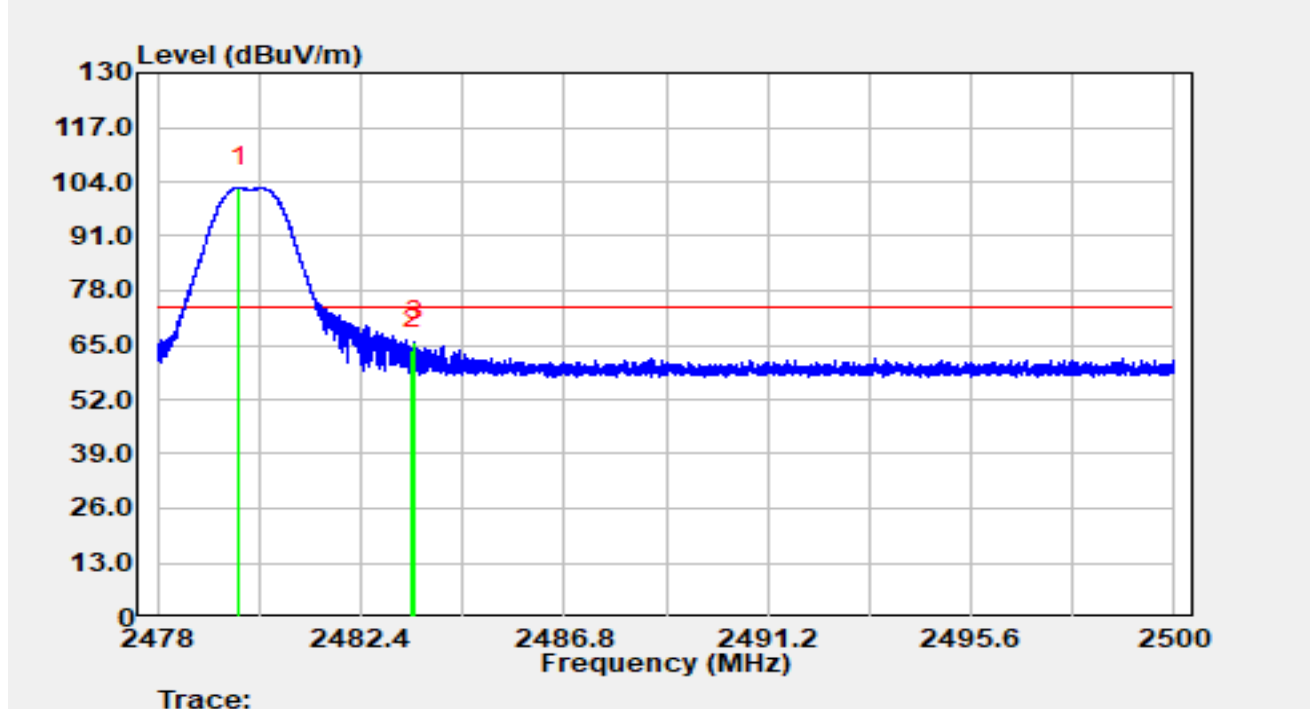


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2371.85	9.36	36.74	46.10	-7.90	54.00	Average
2		2390.00	7.70	36.83	44.53	-9.47	54.00	Average
3		2402.09	61.13	36.92	98.05	N/A	N/A	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2480 MHz		

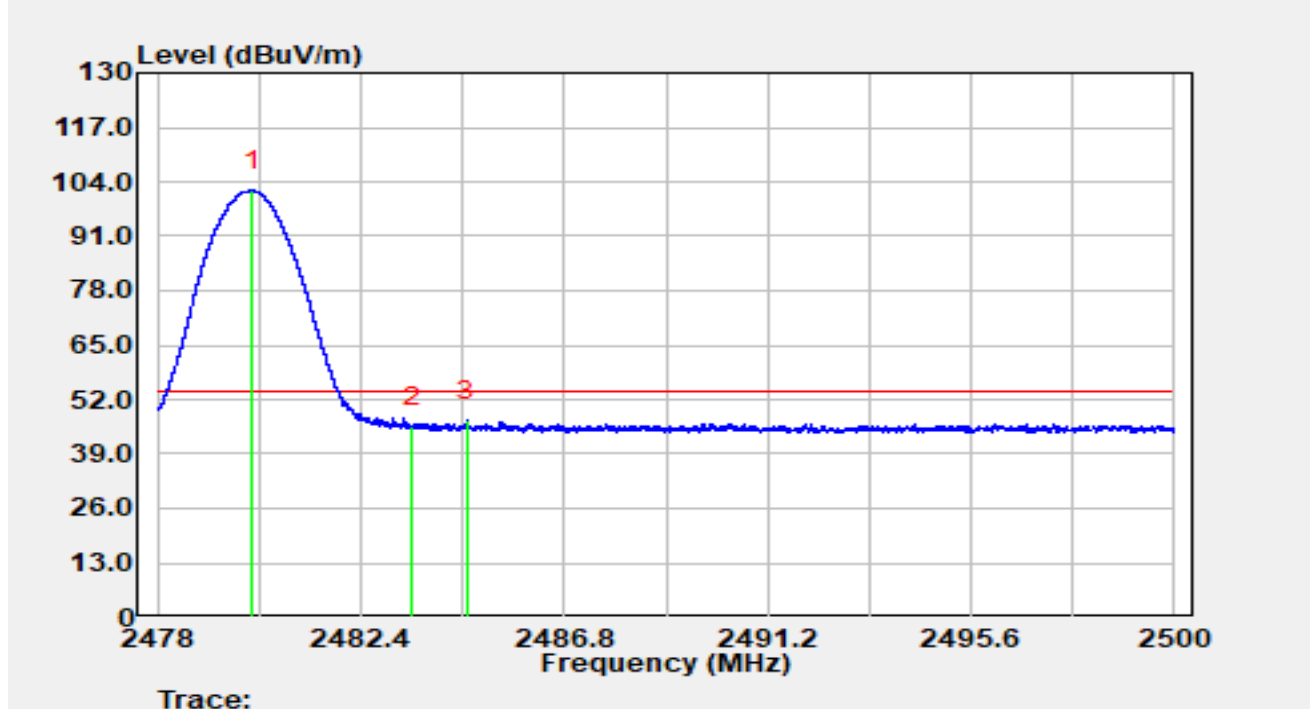


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.76	65.51	37.04	102.55	N/A	N/A	Peak
2		2483.50	26.74	37.05	63.79	-10.21	74.00	Peak
3	*	2483.56	28.86	37.05	65.91	-8.09	74.00	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2480 MHz		

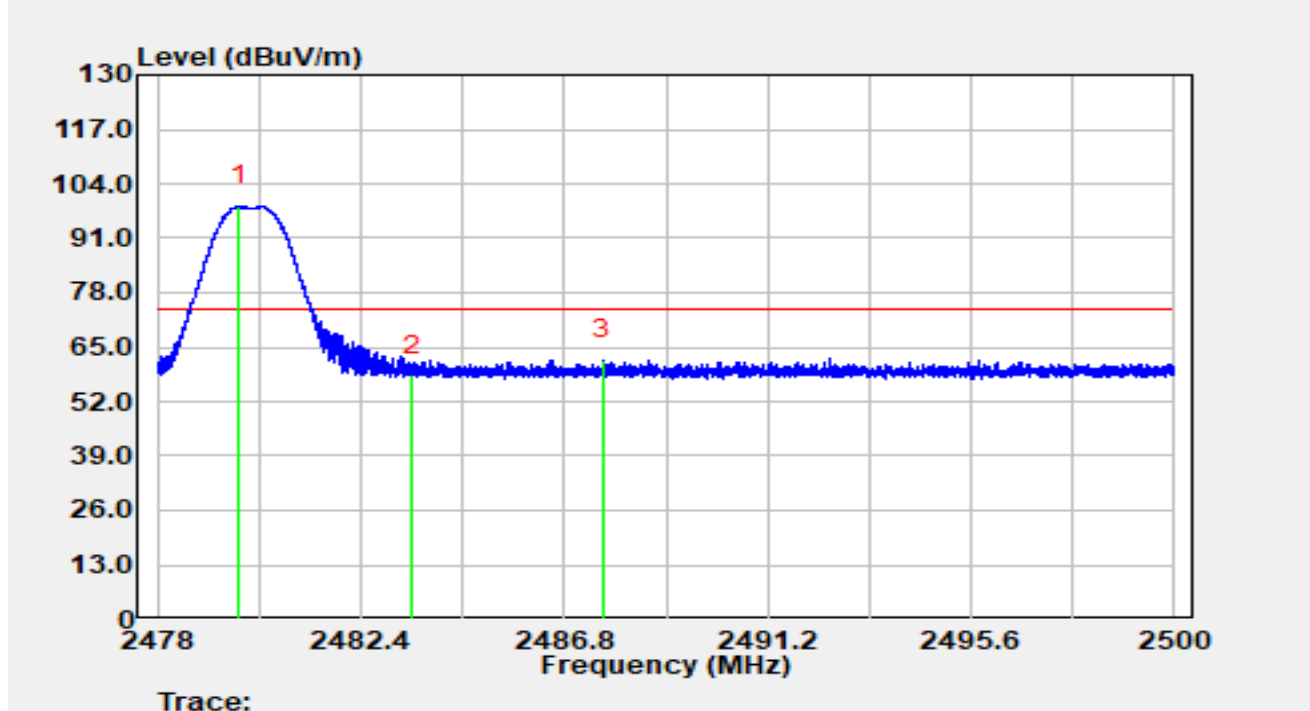


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.06	64.82	37.04	101.87	N/A	N/A	Average
2		2483.50	8.53	37.05	45.59	-8.41	54.00	Average
3	*	2484.70	9.93	37.06	46.98	-7.02	54.00	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2480 MHz		

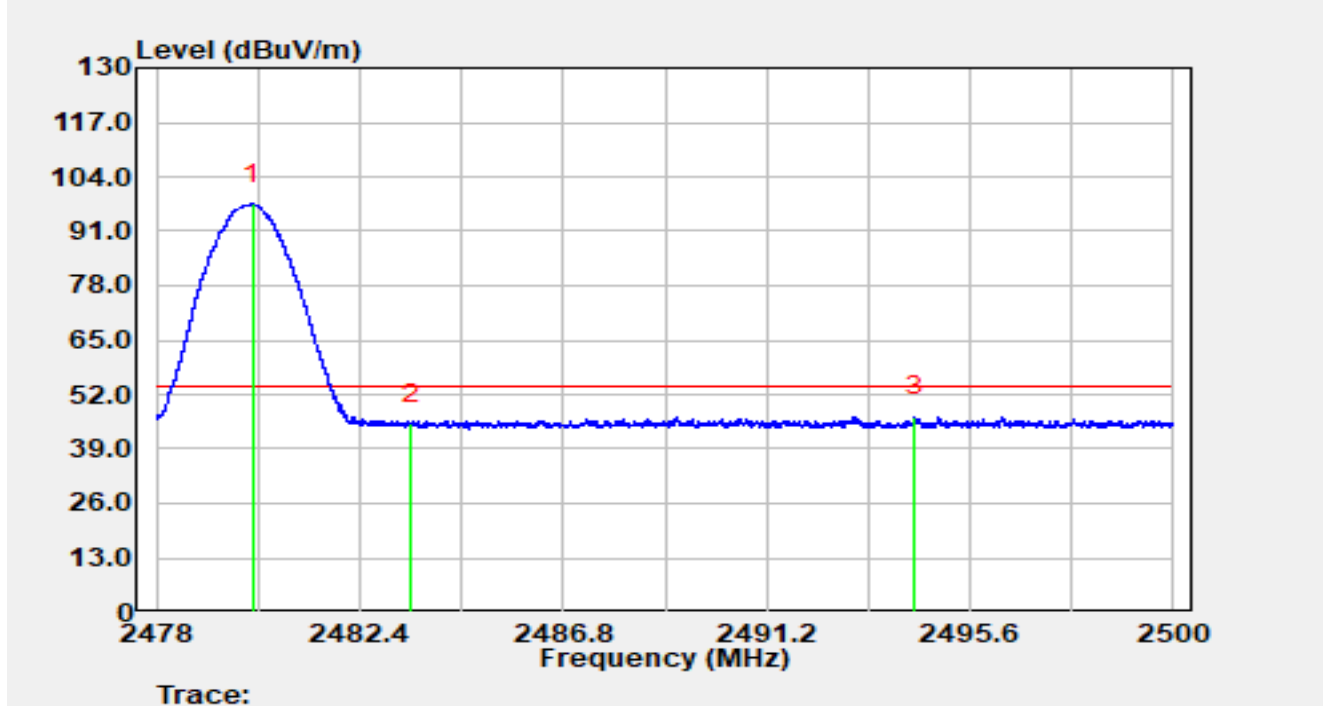


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.77	61.60	37.04	98.64	N/A	N/A	Peak
2		2483.50	21.31	37.05	58.36	-15.64	74.00	Peak
3	*	2487.63	24.91	37.06	61.98	-12.02	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 1M at 2480 MHz		

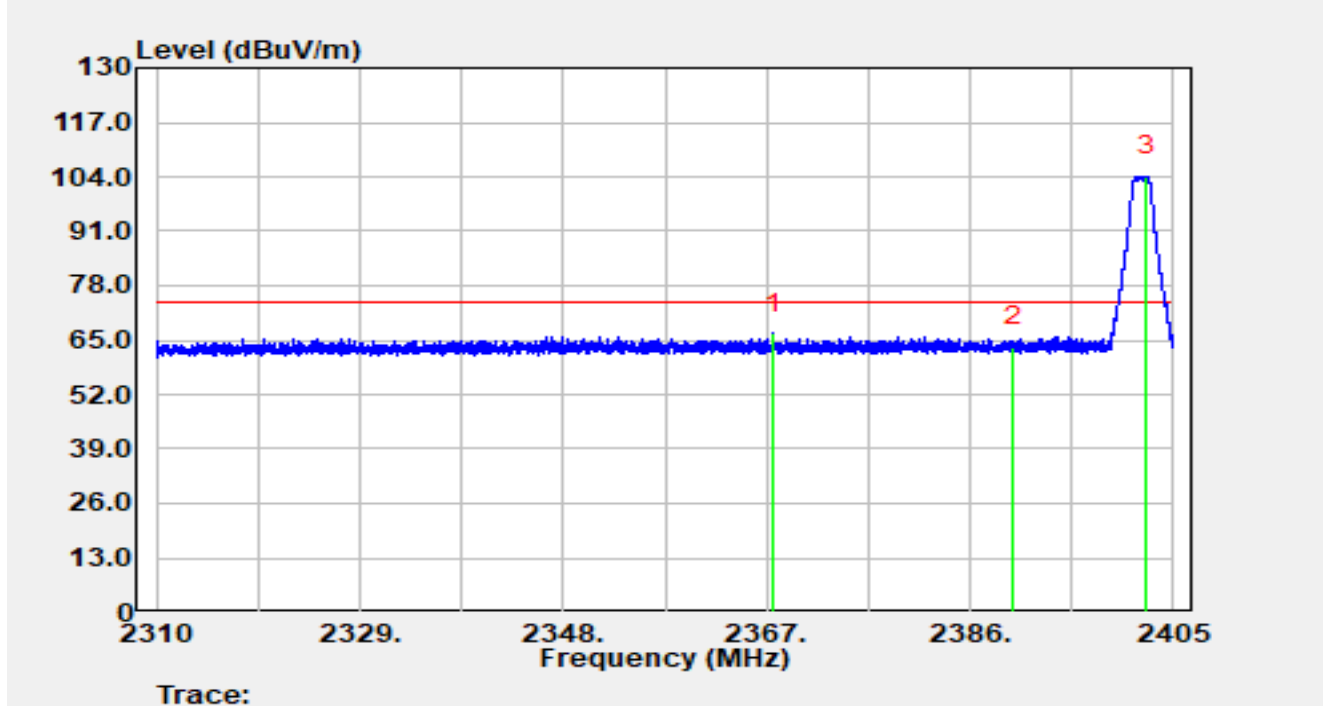


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.07	60.38	37.04	97.42	N/A	N/A	Average
2		2483.50	7.93	37.05	44.99	-9.01	54.00	Average
3	*	2494.41	9.61	37.08	46.69	-7.31	54.00	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 2M at 2402 MHz		

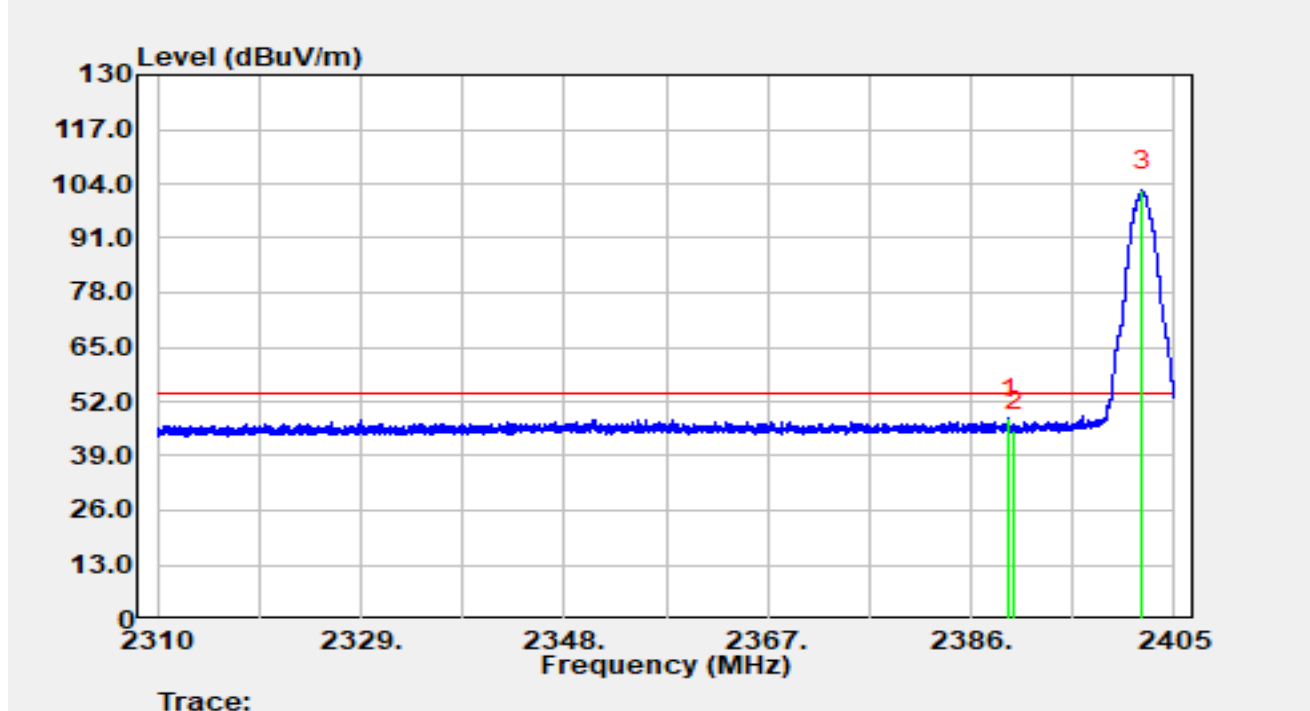


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2367.60	29.82	36.73	66.55	-7.45	74.00	Peak
2		2390.00	26.64	36.83	63.47	-10.53	74.00	Peak
3		2402.46	67.31	36.92	104.23	N/A	N/A	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 2M at 2402 MHz		

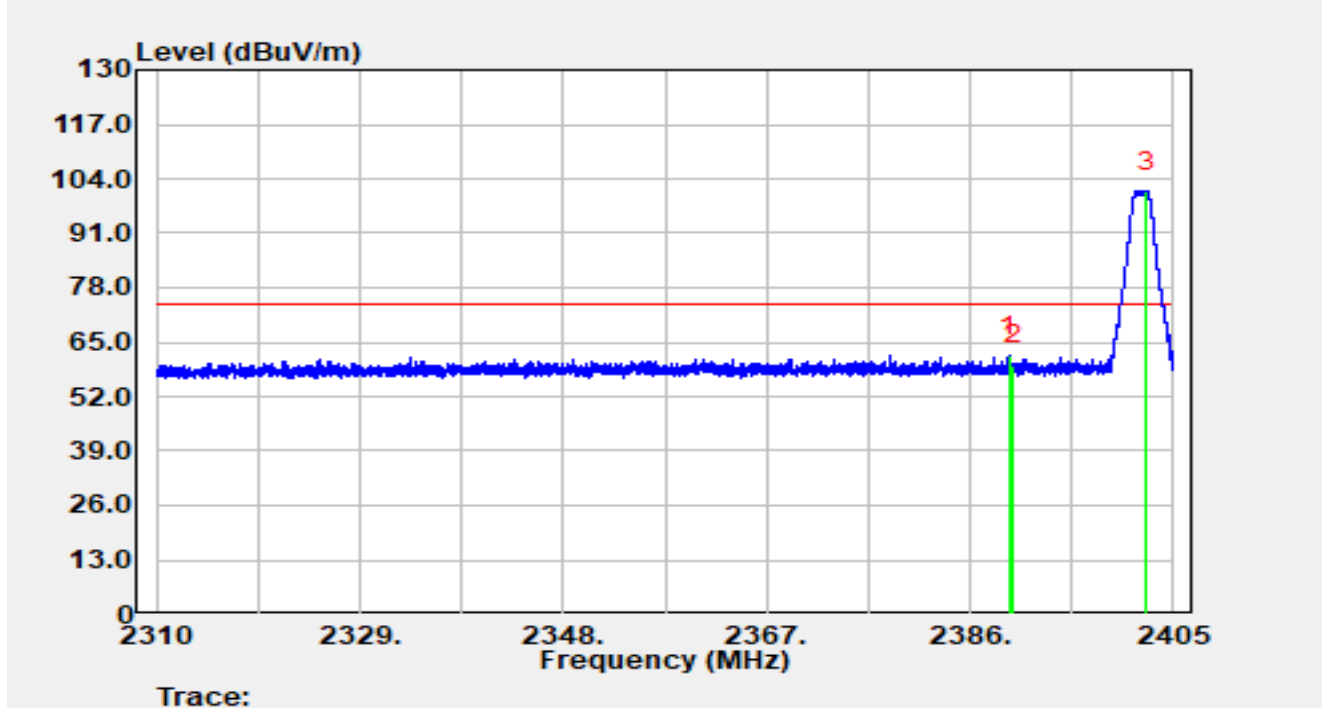


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.51	11.05	36.83	47.88	-6.12	54.00	Average
2		2390.00	8.28	36.83	45.12	-8.88	54.00	Average
3		2401.99	65.38	36.92	102.29	N/A	N/A	Average

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 2M at 2402 MHz		

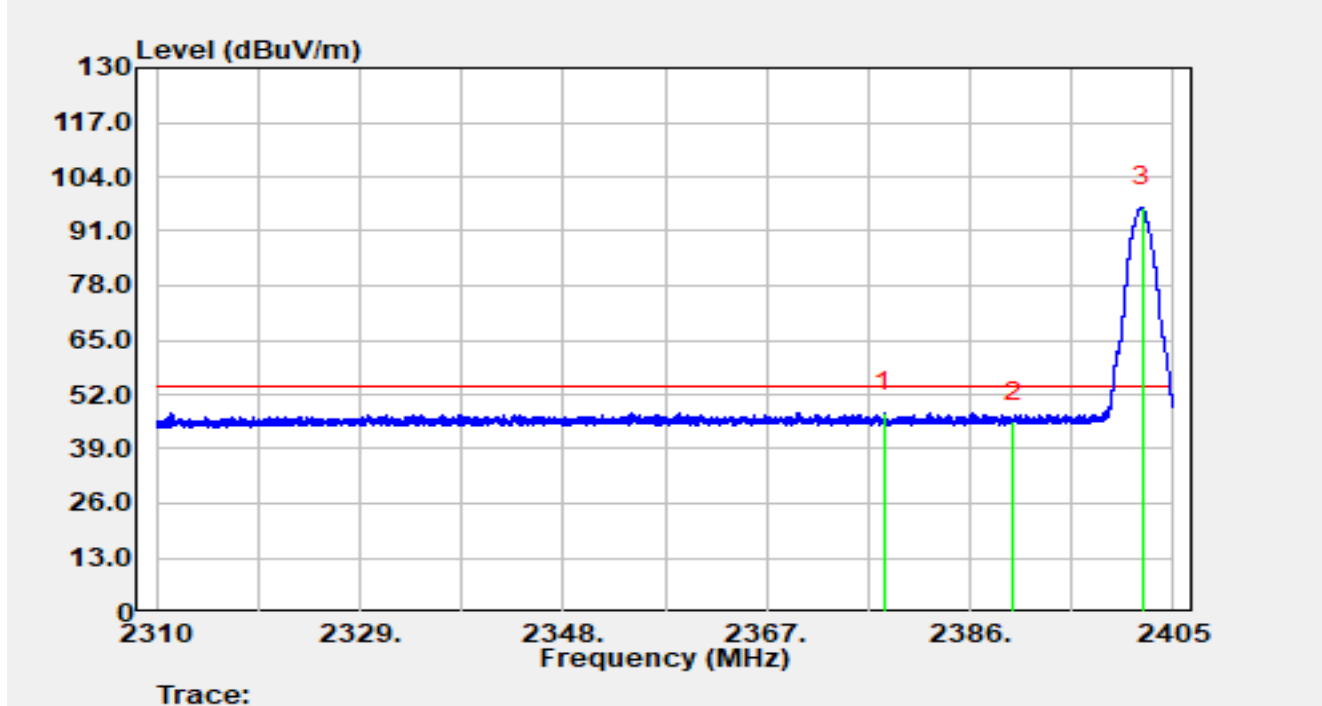


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2389.71	24.83	36.83	61.66	-12.34	74.00	Peak
2		2390.00	22.68	36.83	59.51	-14.49	74.00	Peak
3		2402.53	64.10	36.92	101.02	N/A	N/A	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Vertical
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 2M at 2402 MHz		

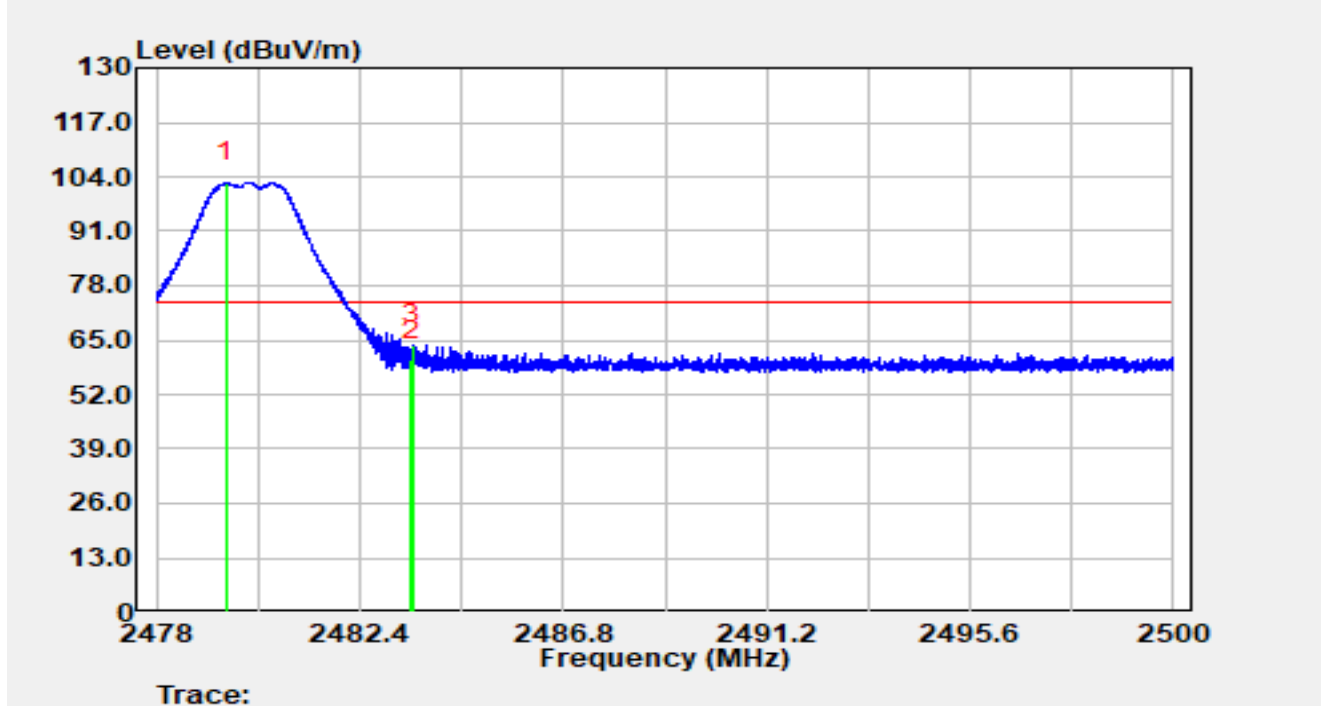


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2377.98	11.00	36.77	47.77	-6.23	54.00	Average
2		2390.00	8.68	36.83	45.51	-8.49	54.00	Average
3		2402.08	59.77	36.92	96.69	N/A	N/A	Average

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WJ-AC1	Test Date	2025-08-06
Temperature	24.5 °C	Humidity	53.6 %
Limit	FCC_Part 15_Band Edge (3 m)	Test Engineer	Carl Jiang
Factor	Horn 3117_06257	Polarity	Horizontal
EUT	Pro5S	Test Voltage	By PC
Test Mode	Transmit by BLE 2M at 2480 MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.50	65.55	37.04	102.59	N/A	N/A	Peak
2		2483.50	23.06	37.05	60.11	-13.89	74.00	Peak
3	*	2483.55	26.87	37.05	63.92	-10.08	74.00	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).