



RF MEASUREMENT REPORT

FCC ID: 2BFH8FMSCFA
Applicant: UAB Ruptela
Product: CFA
Model No.: CFA-FMS-BLE
Brand Name: Ruptela
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Result: Complies
Received Date: 2026-06-15
Test Date: 2026-06-22~2026-07-06

Reviewed By:

Paddy Chen

Approved By:

Chenz Ker



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. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

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

Revision History

Report No.	Version	Description	Issue Date	Note
2606TW0117-U2	V1.0	Original Report	2026-08-04	Valid

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1. General Information

1.1. Applicant

UAB Ruptela

Perkūnkiemio str. 6, Vilnius, Lithuania

1.2. Manufacturer

UAB Ruptela

Perkūnkiemio str. 6, Vilnius, Lithuania

1.3. Testing Facility

☒	Test Site 1 - MRT Taiwan Laboratory
	Laboratory Location No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261 ISED: TW3261
☐	Test Site 2 - MRT Taiwan Laboratory
	Laboratory Location No. 64, Wenming 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	CFA
Model No.	CFA-FMS-BLE
EUT Identification No.	#1-1 (Conducted) #1-2 (Radiated)
Specification	Bluetooth single mode, BLE Only
Operating Temperature	-30 ~ 70°C
Power Type	9-30 V DC
Note: 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

Frequency Range	2400 ~ 2483.5 MHz
Channel Number	40
Type of modulation	GFSK
Data Rate	1 Mbps, 2 Mbps
Antenna Type	PCB Antenna
Antenna Gain	5.30dBi

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	--	--	--	--

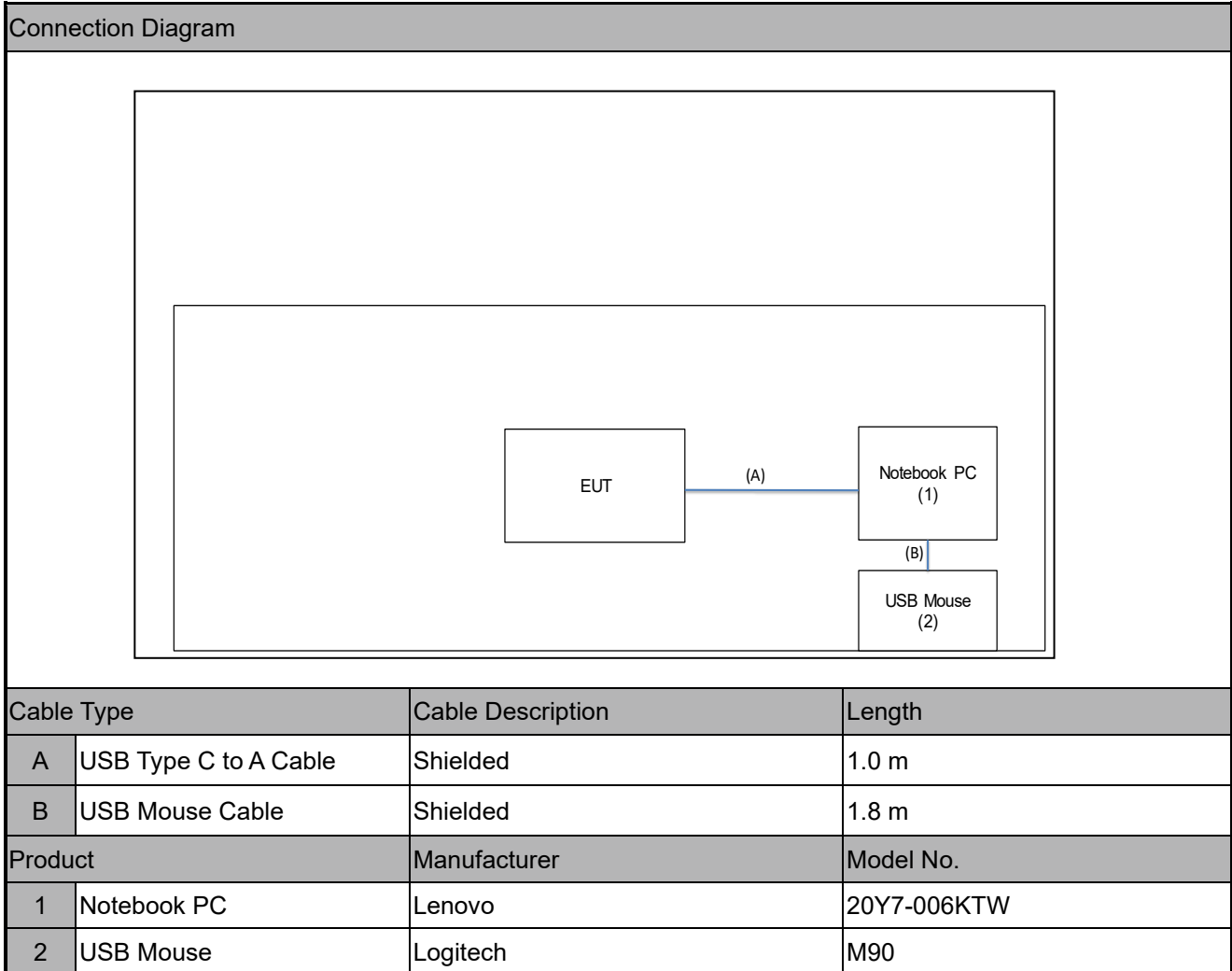
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by BLE-1 Mbps
Mode 2: Transmit by BLE-2 Mbps

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.



2.3. Test Software

The test utility software used during testing was “EspRFTTestTool_v5.2”.

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 D01 v05r02
- ANSI C63.10-2020
- ANSI C63.10-2020/Cor1-2023
- ANSI C63.10a-2024

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 1519B	MRTTWA00002	1 year	2027/4/15	TW-AC1
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00086	1 year	2026/11/13	TW-AC1
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00106	1 year	2027/3/4	TW-AC1
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SEE	MRTTWA00107	1 year	2027/3/4	TW-AC1
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2027/3/25	TW-AC1
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2027/3/24	TW-AC1
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2027/3/4	TW-AC1
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2027/3/12	TW-AC1
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2027/3/3	TW-SR2
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2027/4/14	TW-SR2
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2027/5/13	TW-SR2
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2026/10/20	TW-SR7
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2026/7/14	TW-SR7
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2027/4/14	TW-SR7
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2027/3/10	TW-SR7

Software	Version	Function
e3	9.160520a	EMI Test Software

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
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 150kHz~30MHz: $\pm 2.53\text{dB}$
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz ~ 1GHz: $\pm 4.25\text{dB}$ 1GHz ~ 40GHz: $\pm 4.45\text{dB}$
Conducted Power (Carrier Power / Power Density)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.84\text{dB}$
Conducted Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 2.65\text{ dB}$
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 3.3\%$
Temp. / Humidity
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.82^\circ\text{C} / \pm 3\%$
Frequency Error
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 78.4\text{Hz}$

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	Pass

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.

6.2. 6 dB Bandwidth Measurement

6.2.1. Test Limit

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

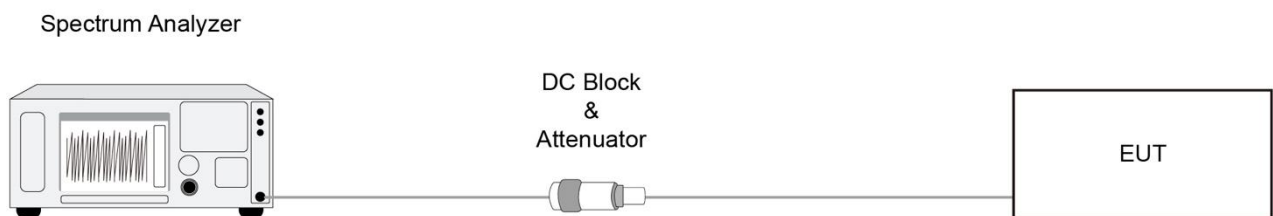
6.2.2. Test Procedure

ANSI C63.10-2020 - 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. RBW = 1% to 5% of the OBW, but not less than 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 C63.10-2020 - Section 11.9.1.2

ANSI C63.10-2020 - Section 11.9.2.3.2

6.3.3. Test Setting

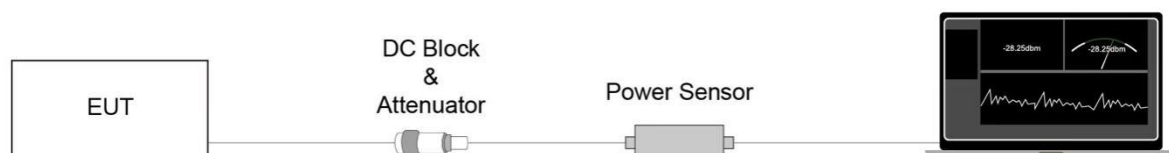
Method PKPM1 (Peak Power Measurement of Signals with DTS BW $\leq$ 50 MHz)

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.

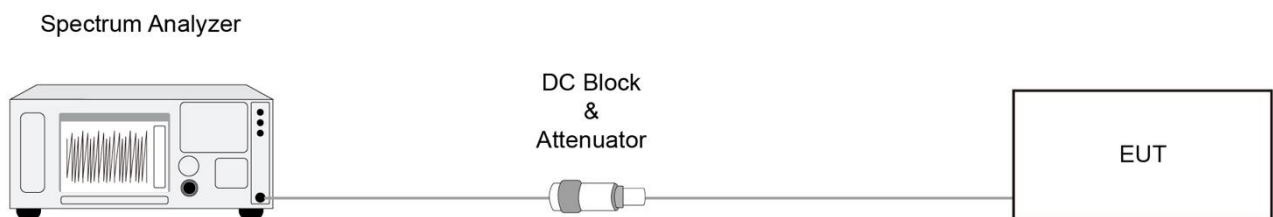
6.4.2. Test Procedure

ANSI C63.10-2020 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

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 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

6.5.2. Test Procedure

ANSI C63.10-2020 - Section 11.11

6.5.3. Test Setting

Reference level measurement

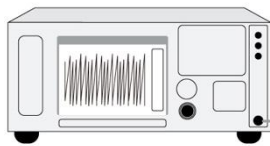
1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

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

Spectrum Analyzer



DC Block
&
Attenuator



EUT



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
18000 - 40000	1500	1

6.6.2. Test Procedure

ANSI C63.10-2020 - Section 11.11 & 11.12

ANSI C63.10-2020 - Section 6.3 (General Requirements)

ANSI C63.10-2020 - Section 6.4 (Standard test method below 30 MHz)

ANSI C63.10-2020 - Section 6.5 (Standard test method above 30 MHz to 1 GHz)

ANSI C63.10-2020 - 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

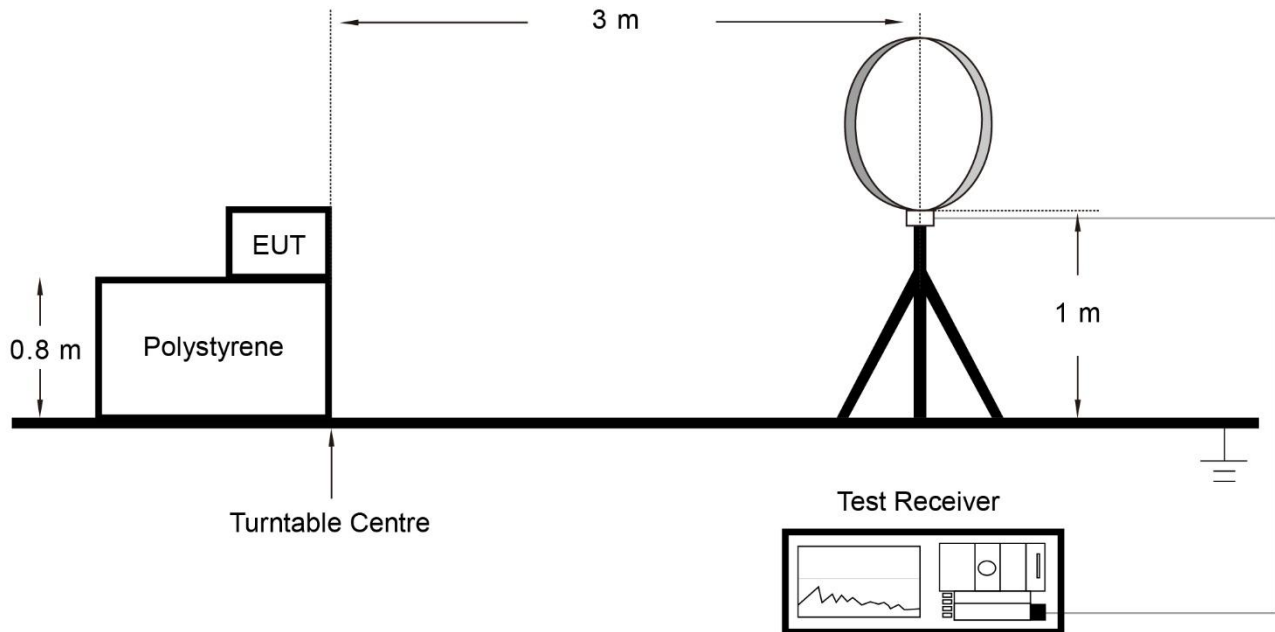
Average Measurements above 1 GHz (Method VB)

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

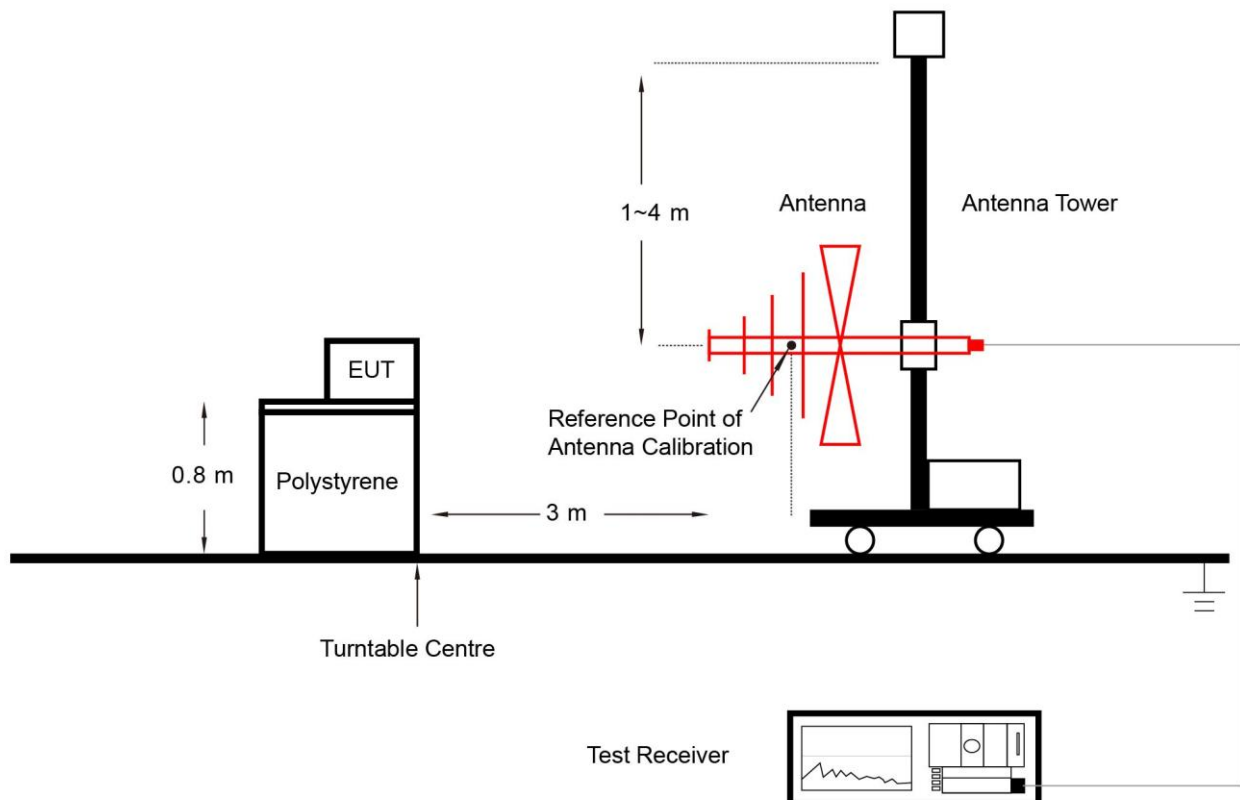
If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear 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

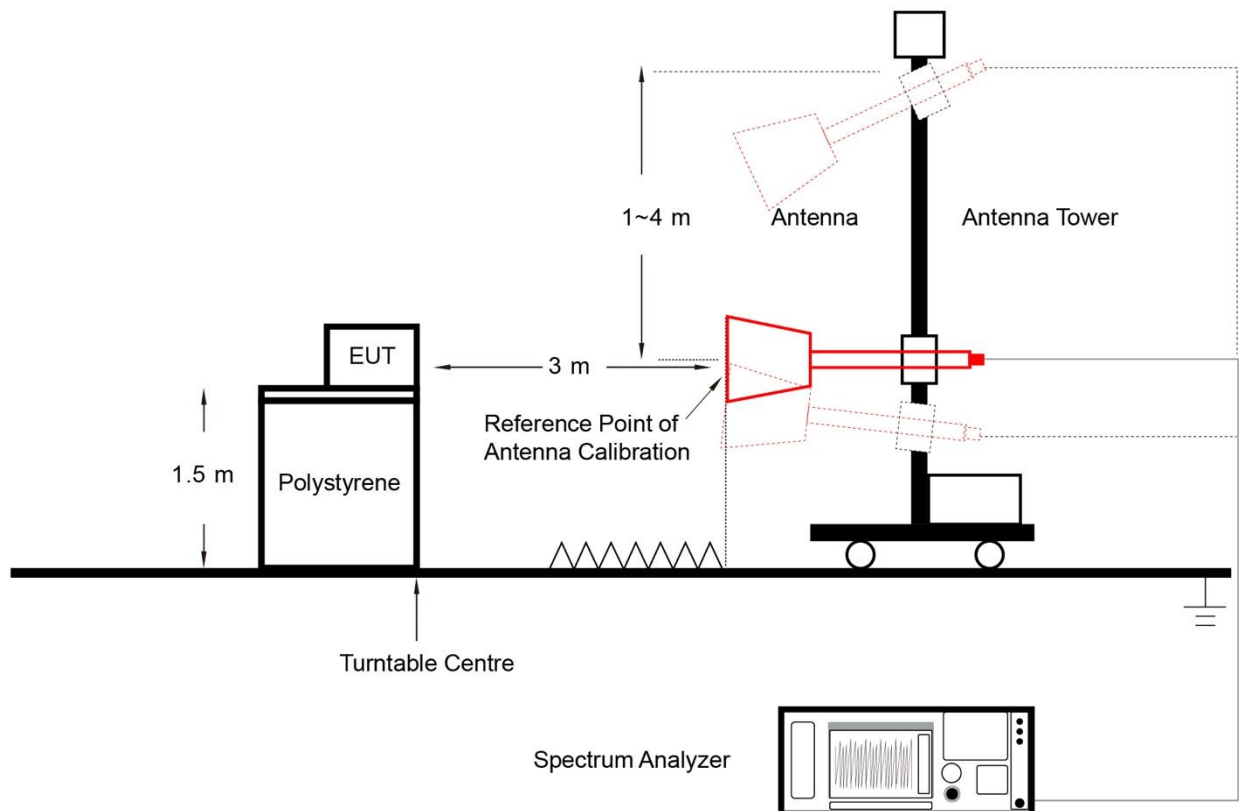
Below 30 MHz Test Setup:



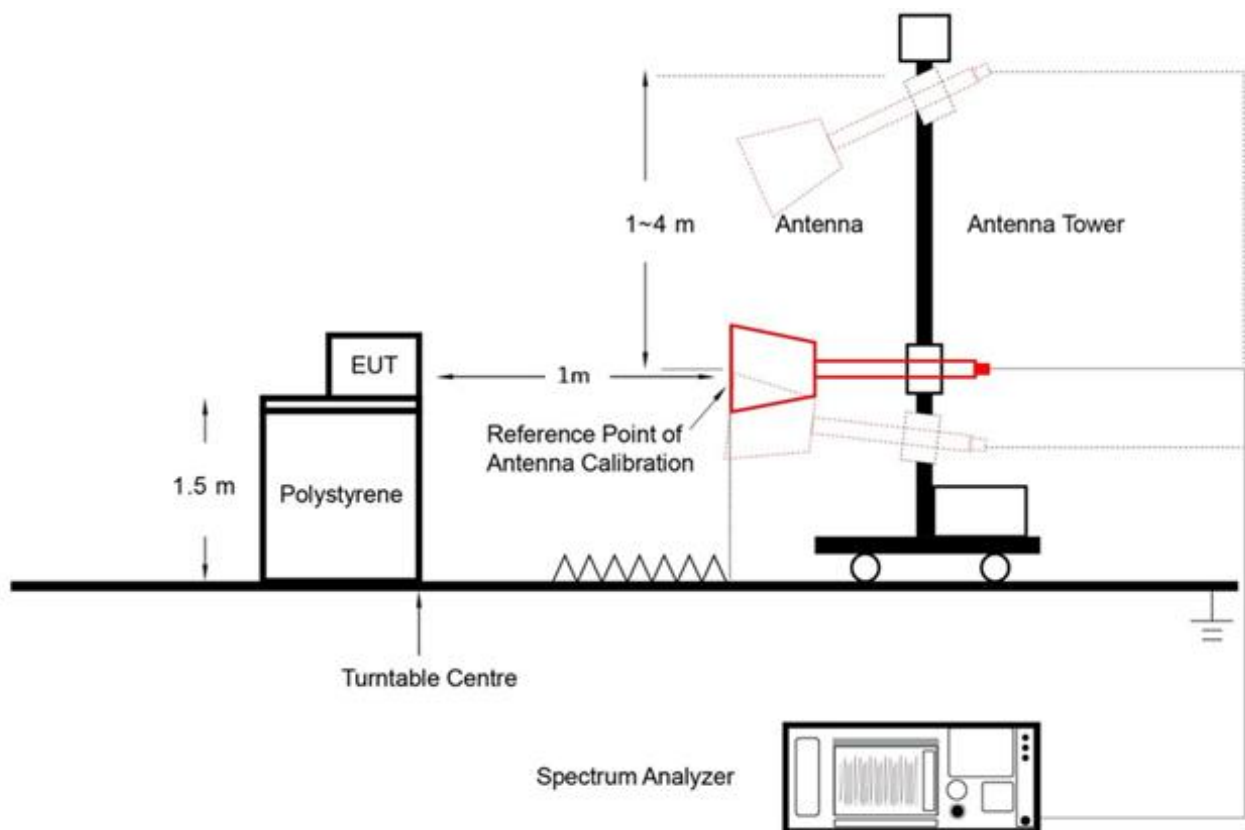
Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



18GHz-40GHz 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
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 C63.10-2020 - Section 6.3 & 6.6 & 11.12

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

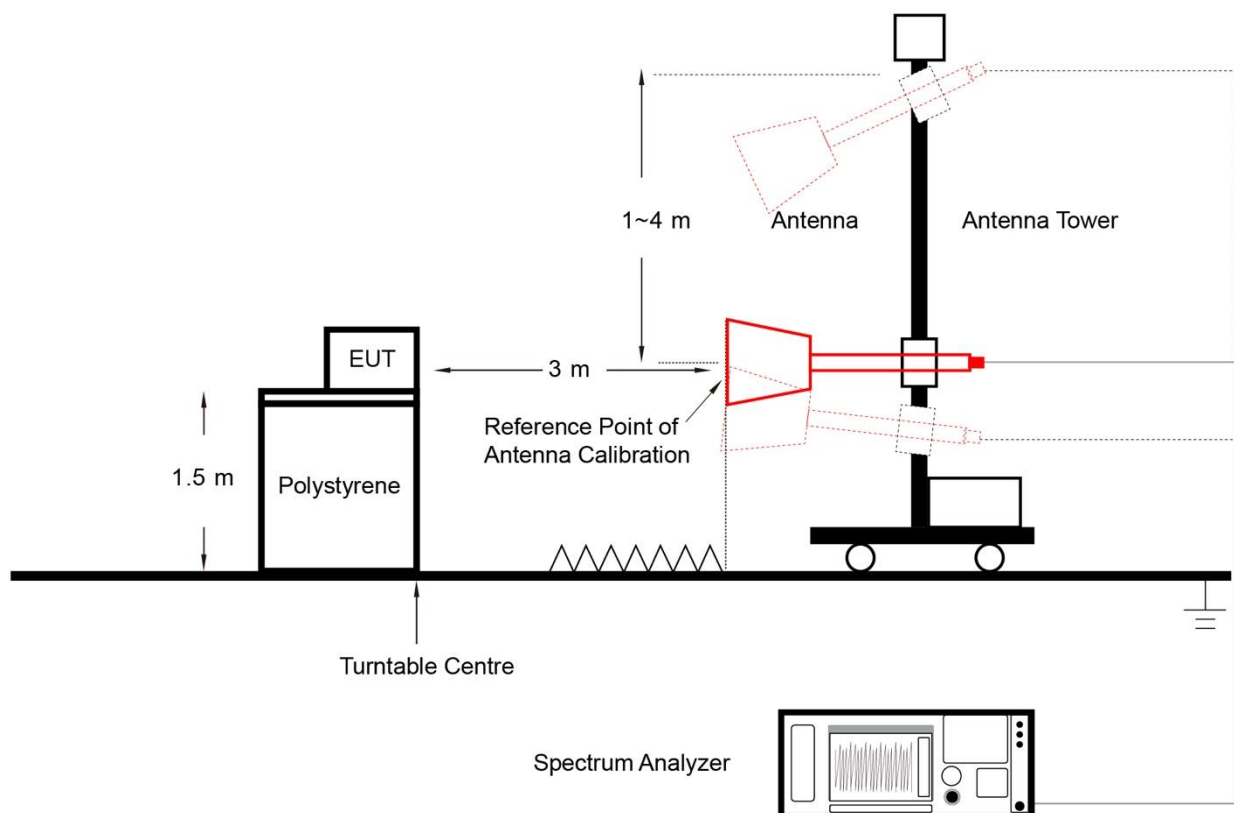
Average Field Strength Measurements

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

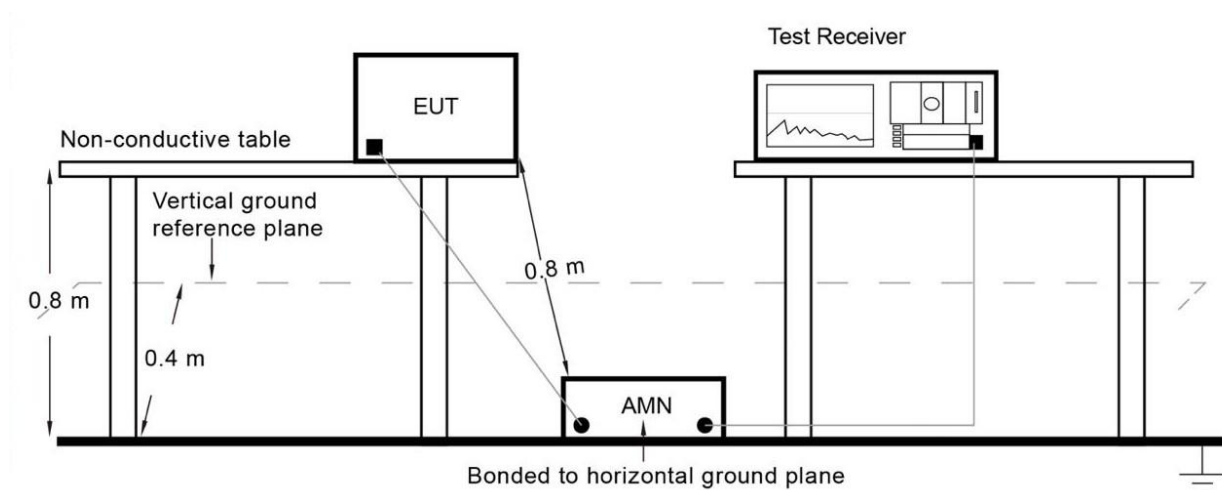
6.8.1. Test Limit

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

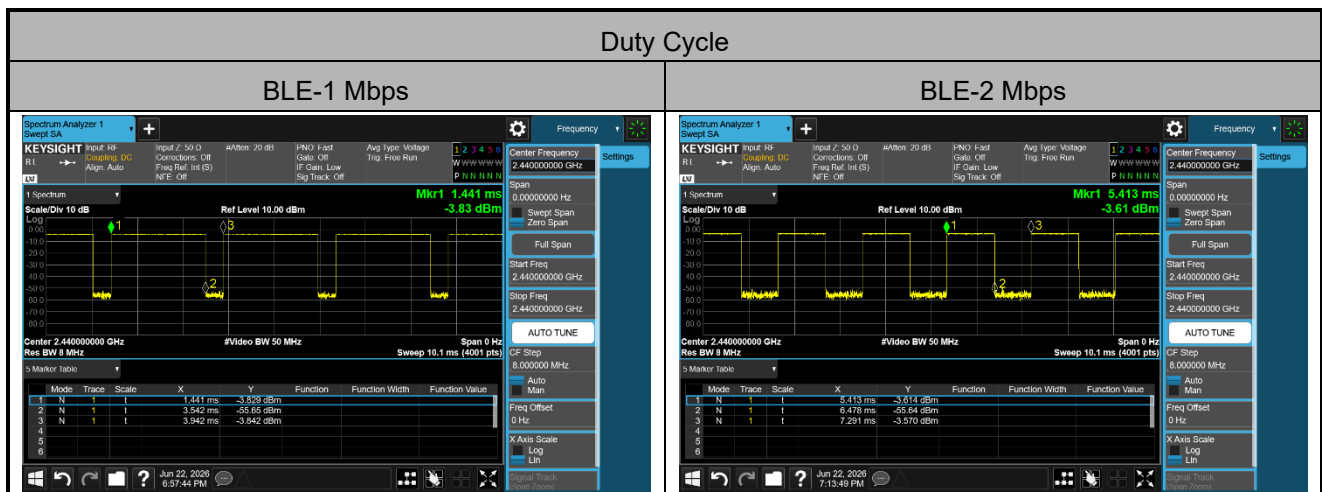
Refer to Appendix A.8.

Appendix A - Test Result

A.1 Duty Cycle Test Result

Test Site	SR7	Test Engineer	Fran
Test Date	2026-6-22		

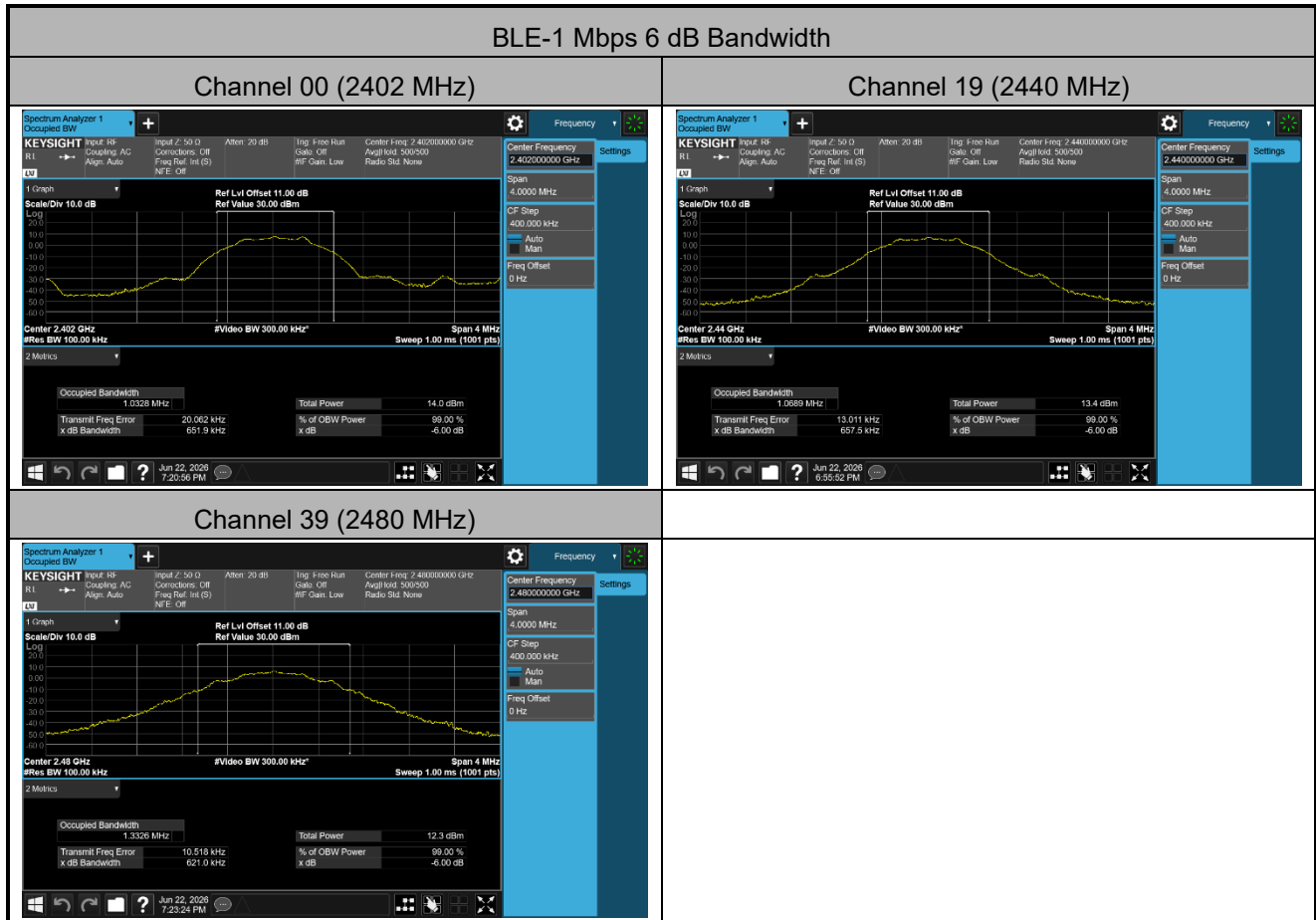
Test Mode	Duty Cycle
BLE-1 Mbps	84%
BLE-2 Mbps	57%

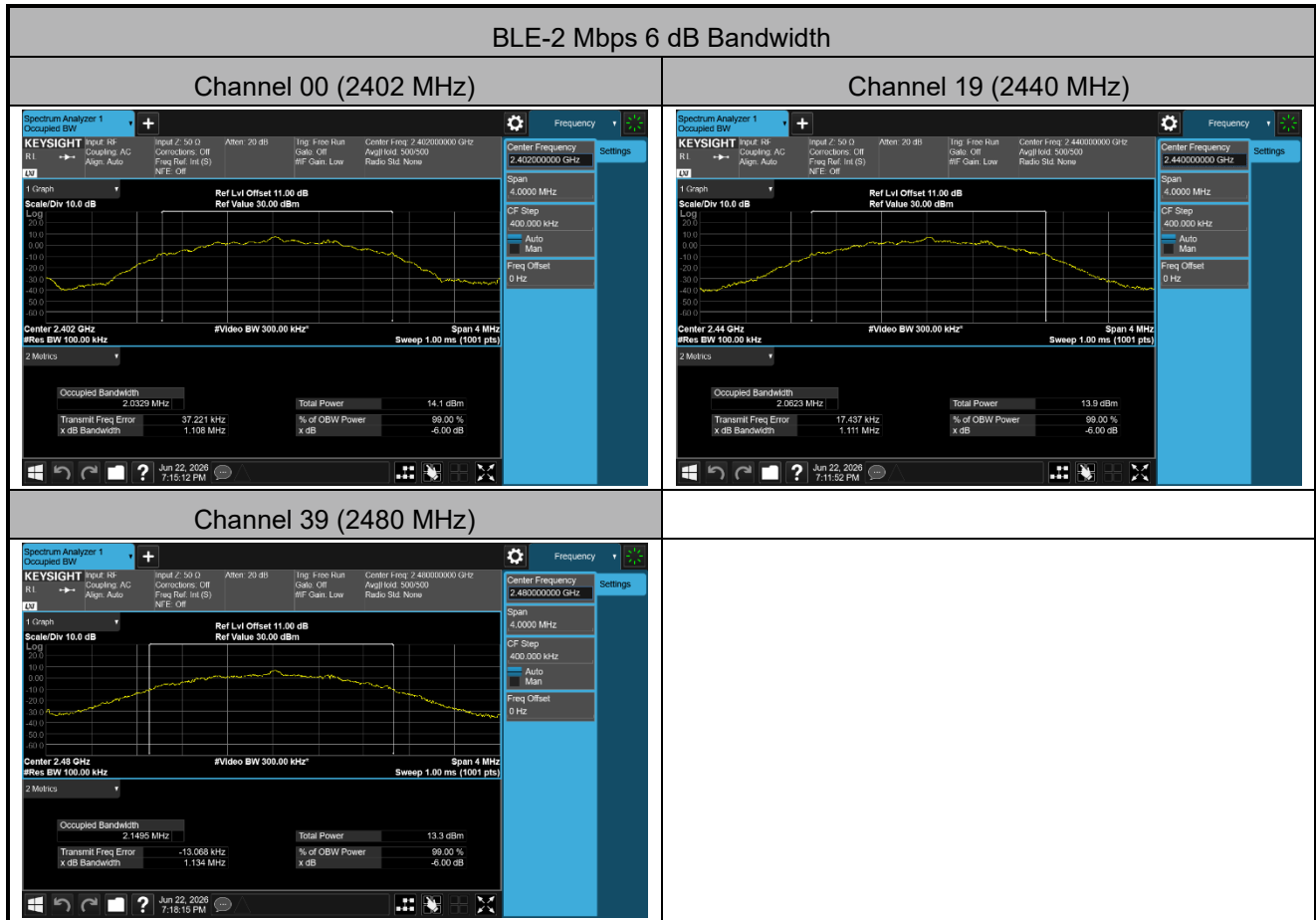


A.2 6 dB Bandwidth Test Result

Test Site	SR7	Test Engineer	Fran
Test Date	2026-6-22		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
BLE	1 Mbps	00	2402	0.6519	≥ 0.5
BLE	1 Mbps	19	2440	0.6575	≥ 0.5
BLE	1 Mbps	39	2480	0.6210	≥ 0.5
BLE	2 Mbps	00	2402	1.108	≥ 0.5
BLE	2 Mbps	19	2440	1.111	≥ 0.5
BLE	2 Mbps	39	2480	1.134	≥ 0.5





A.3 Output Power Test Result

Test Site	SR7	Test Engineer	Fran
Test Date	2026-06-22		

Test Result of Peak Output Power

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Result
BLE	1 Mbps	00	2402	7.38	≤ 30.00	Pass
BLE	1 Mbps	19	2440	6.92	≤ 30.00	Pass
BLE	1 Mbps	39	2480	5.87	≤ 30.00	Pass
BLE	2 Mbps	00	2402	7.46	≤ 30.00	Pass
BLE	2 Mbps	19	2440	7.32	≤ 30.00	Pass
BLE	2 Mbps	39	2480	6.11	≤ 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	1 Mbps	00	2402	6.47	≤ 30.00	Pass
BLE	1 Mbps	19	2440	6.21	≤ 30.00	Pass
BLE	1 Mbps	39	2480	4.90	≤ 30.00	Pass
BLE	2 Mbps	00	2402	6.26	≤ 30.00	Pass
BLE	2 Mbps	19	2440	6.16	≤ 30.00	Pass
BLE	2 Mbps	39	2480	4.89	≤ 30.00	Pass

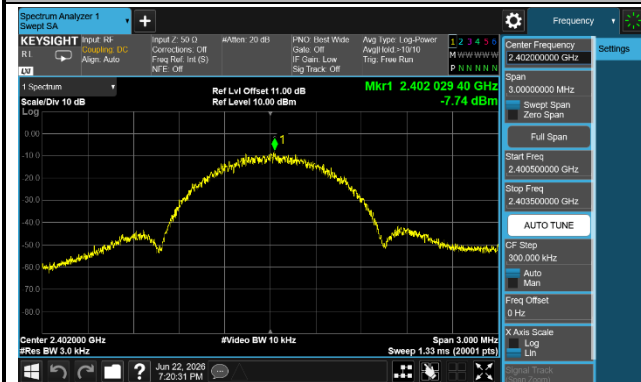
A.4 Power Spectral Density Test Result

Test Site	SR7	Test Engineer	Fran
Test Date	2026-6-22		

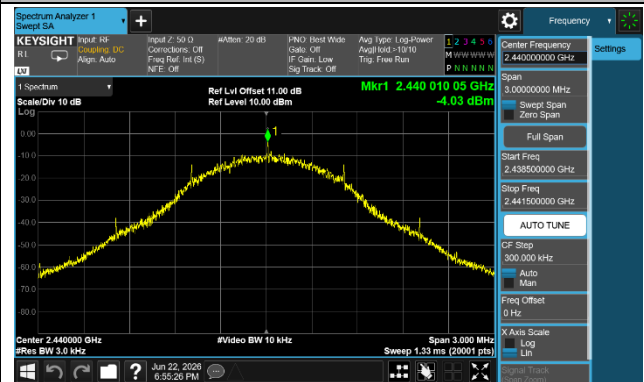
Test Mode	Data Rate	Channel No.	Frequency (MHz)	Peak PSD (dBm/3 kHz)	Limit (dBm/3 kHz)	Result
BLE	1 Mbps	00	2402	-7.74	≤ 8.00	Pass
BLE	1 Mbps	19	2440	-4.03	≤ 8.00	Pass
BLE	1 Mbps	39	2480	-1.66	≤ 8.00	Pass
BLE	2 Mbps	00	2402	-9.66	≤ 8.00	Pass
BLE	2 Mbps	19	2440	-8.57	≤ 8.00	Pass
BLE	2 Mbps	39	2480	-7.20	≤ 8.00	Pass

BLE-1 Mbps PSD

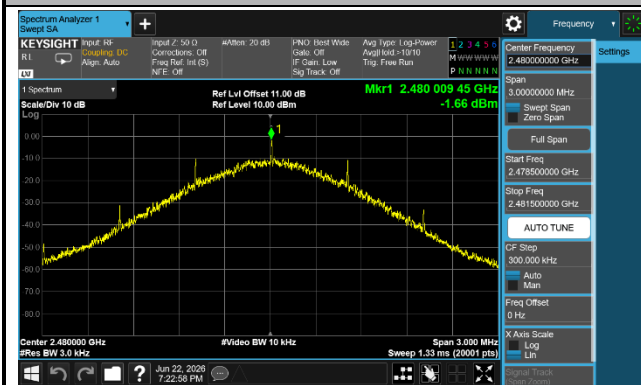
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)

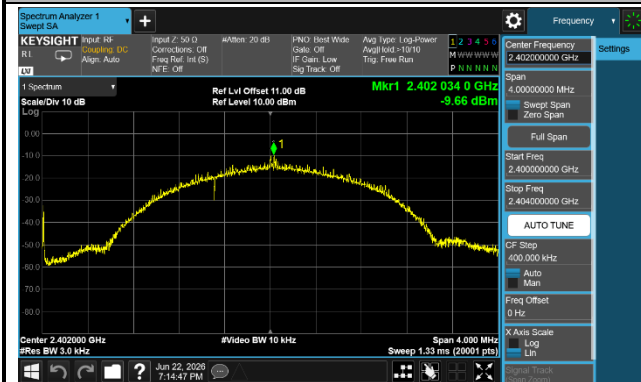


Channel 39 (2480 MHz)

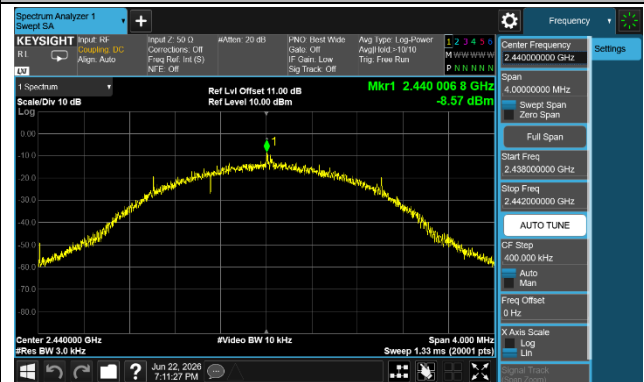


BLE-2 Mbps PSD

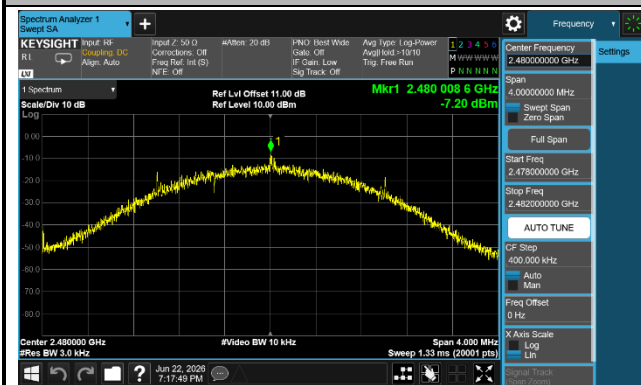
Channel 00 (2402 MHz)



Channel 19 (2440 MHz)



Channel 39 (2480 MHz)



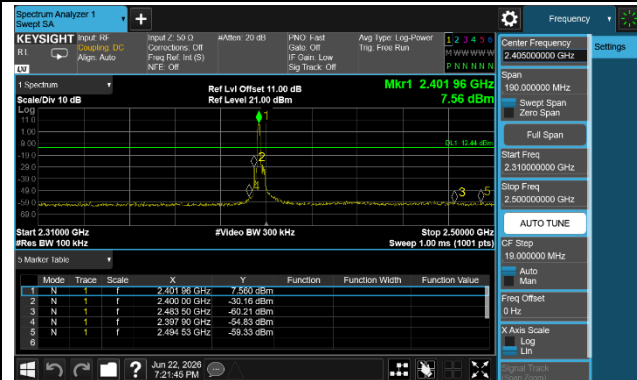
A.5 Conducted Band Edge and Out-of-Band Emissions Test Result

Test Site	SR7	Test Engineer	Fran
Test Date	2026-6-22		

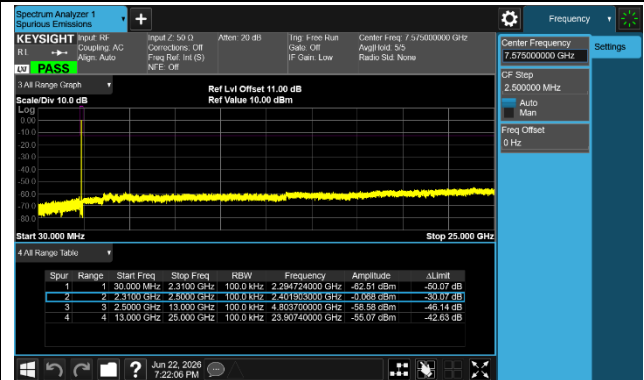
Test Mode	Data Rate	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1 Mbps	00	2402	20	Pass
BLE	1 Mbps	19	2440	20	Pass
BLE	1 Mbps	39	2480	20	Pass
BLE	2 Mbps	00	2402	20	Pass
BLE	2 Mbps	19	2440	20	Pass
BLE	2 Mbps	39	2480	20	Pass

BLE-1 Mbps Out-of-Band Emissions

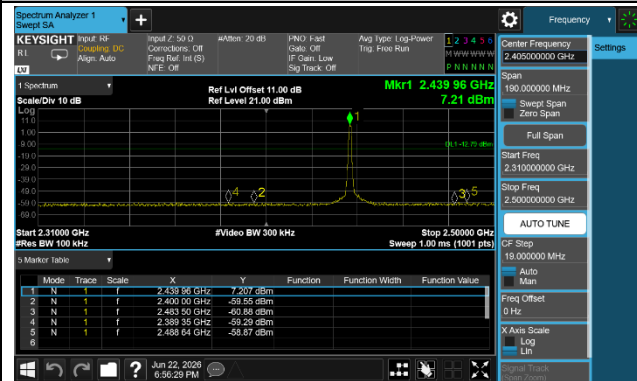
CH00 (2402MHz) LE(1Mbps)



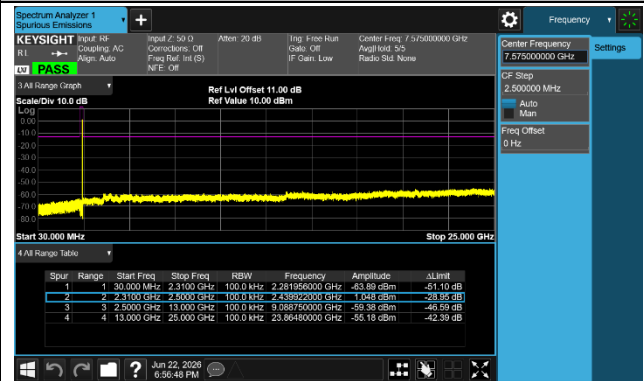
CH00 (2402MHz) LE(1Mbps)



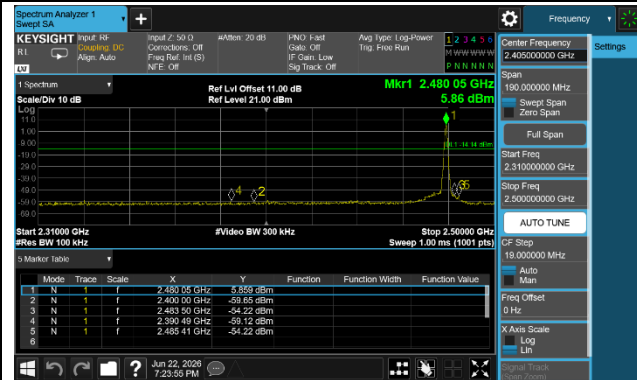
CH19 (2440MHz) LE(1Mbps)



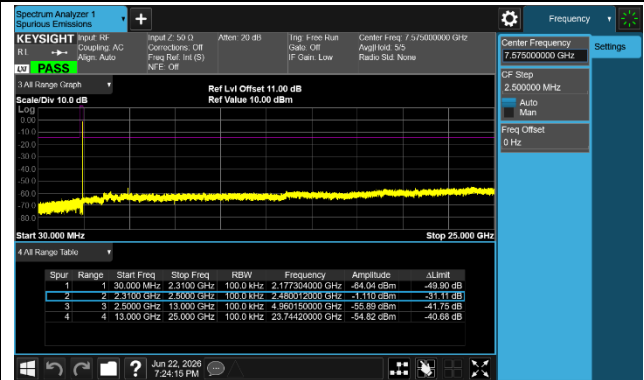
CH19 (2440MHz) LE(1Mbps)



CH39 (2480MHz) LE(1Mbps)

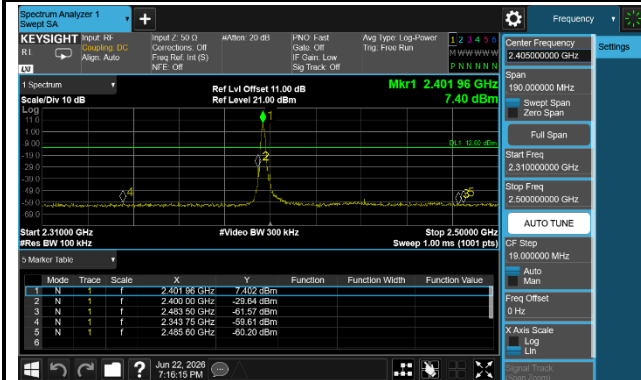


CH39 (2480MHz) LE(1Mbps)

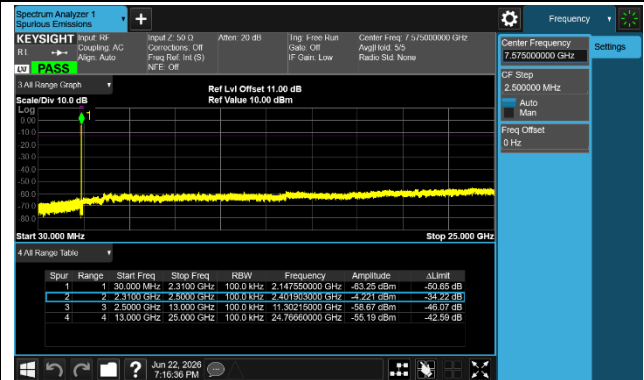


BLE-2 Mbps Out-of-Band Emissions

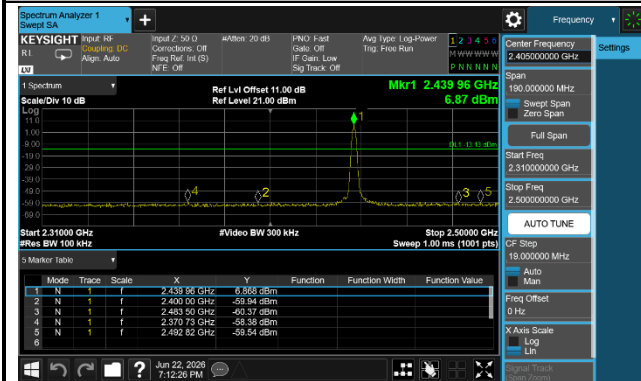
CH00 (2402MHz) LE(2Mbps)



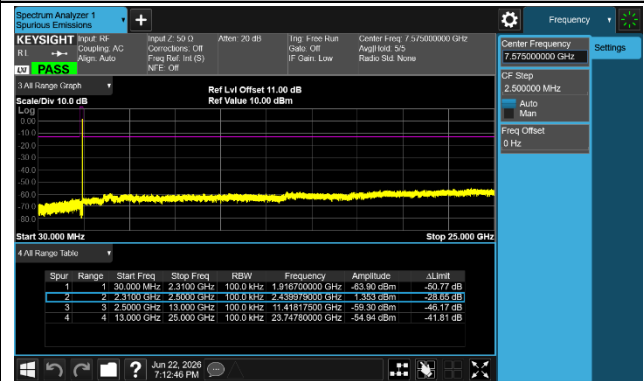
CH00 (2402MHz) LE(2Mbps)



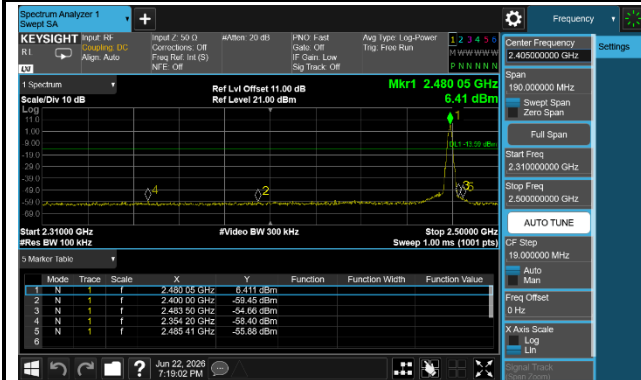
CH19 (2440MHz) LE(2Mbps)



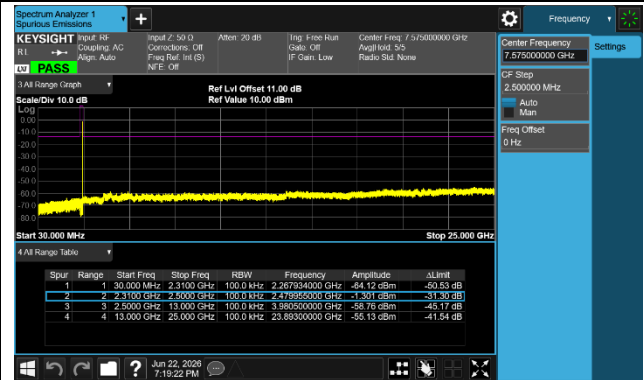
CH19 (2440MHz) LE(2Mbps)



CH39 (2480MHz) LE(2Mbps)

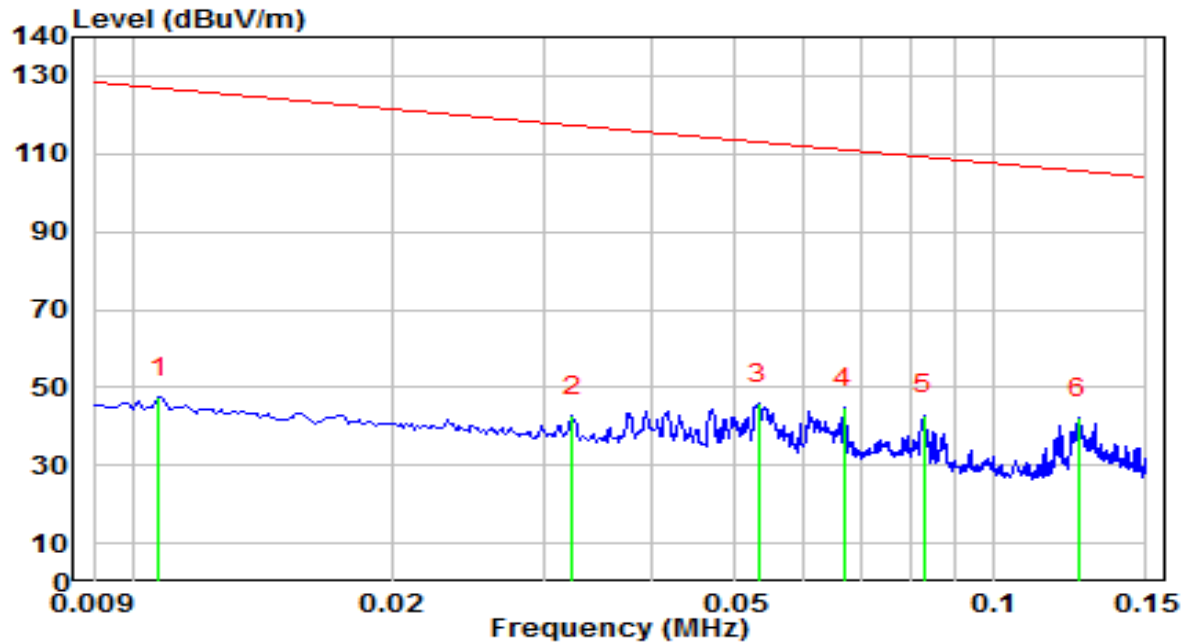


CH39 (2480MHz) LE(2Mbps)



A.6 Radiated Spurious Emission Test Result

EUT	CFA	Date of Test	2026-07-05
Factor	FMZB 1519B	Temp. / Humidity	25°C /54%
Polarity	--	Site / Test Engineer	AC1 / Tim
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_9KHz-30MHz		

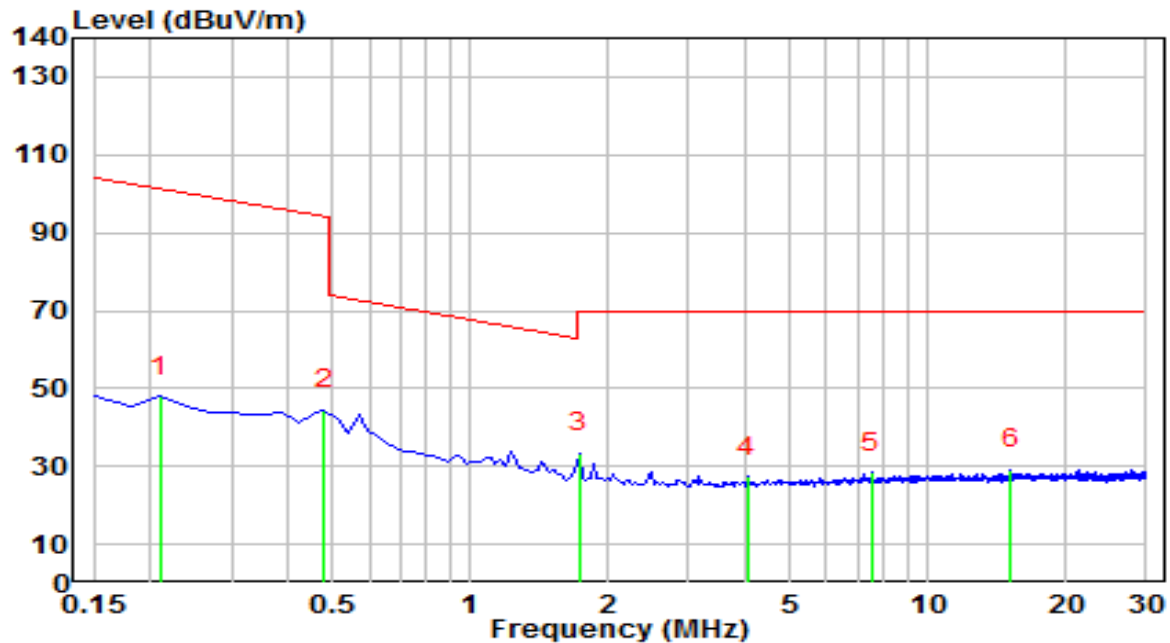


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	0.011	30.18	17.26	47.44	-79.57	127.00	100	317	Peak
2	0.032	23.95	18.68	42.63	-74.75	117.38	100	22	Peak
3	0.053	26.81	19.12	45.93	-67.16	113.09	100	327	Peak
4	0.067	26.18	18.68	44.86	-66.22	111.08	100	326	Peak
5	0.083	24.78	18.17	42.95	-66.30	109.24	100	359	Peak
6	* 0.125	24.45	17.67	42.12	-63.54	105.66	100	223	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-07-05
Factor	FMZB 1519B	Temp. / Humidity	25°C /54%
Polarity	--	Site / Test Engineer	AC1 / Tim
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_9KHz-30MHz		

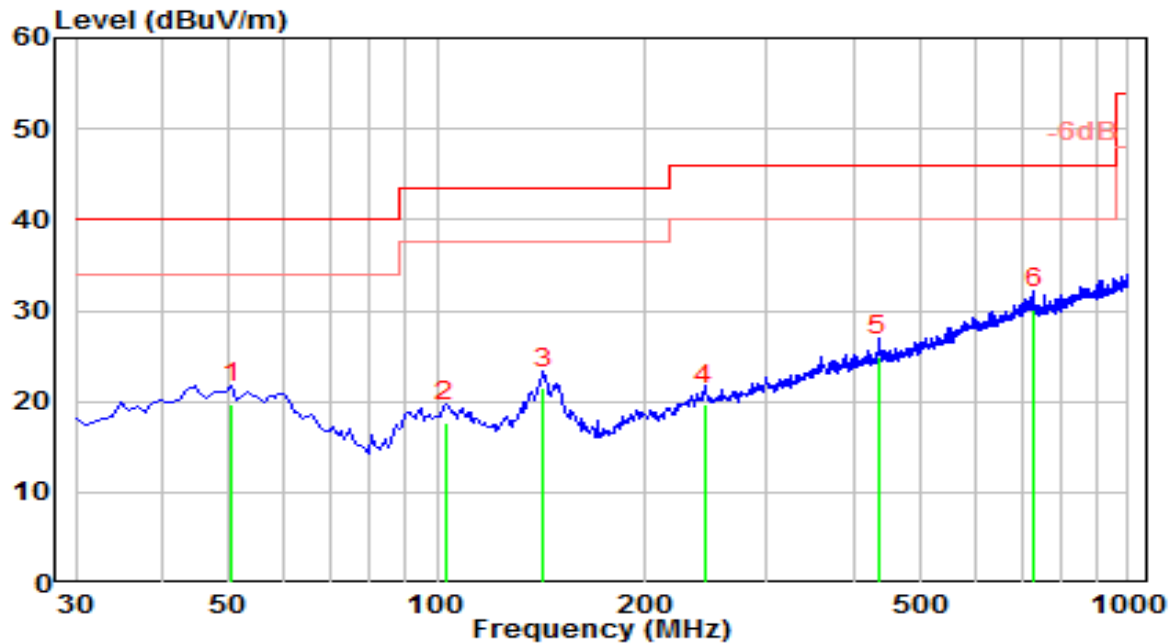


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	0.210	30.20	17.81	48.00	-53.17	101.17	100	208	Peak
2	0.478	26.43	17.96	44.39	-49.62	94.01	100	234	Peak
3	* 1.732	15.43	18.00	33.43	-36.07	69.50	100	0	Peak
4	4.031	9.12	18.32	27.44	-42.06	69.50	100	211	Peak
5	7.553	8.98	19.43	28.41	-41.09	69.50	100	34	Peak
6	15.165	8.17	20.97	29.14	-40.36	69.50	100	298	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-07-03
Factor	VULB 9162	Temp. / Humidity	25°C /58%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_30MHz-1GHz		

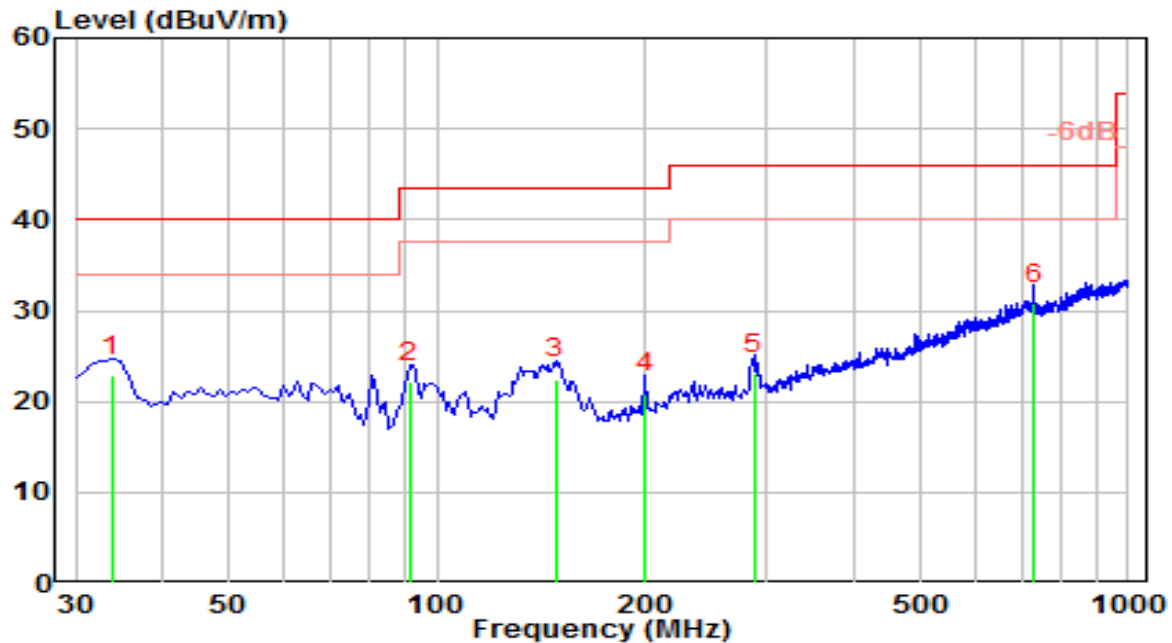


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	50.370	-0.87	20.60	19.73	-20.27	40.00	100	62	QP
2	102.750	-0.69	18.41	17.72	-25.78	43.50	100	25	QP
3	142.520	6.65	14.78	21.43	-22.07	43.50	150	7	QP
4	244.370	0.07	19.58	19.64	-26.36	46.00	150	148	QP
5	435.460	1.41	23.50	24.91	-21.09	46.00	100	322	QP
6	* 730.340	1.65	28.57	30.23	-15.77	46.00	150	274	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-07-03
Factor	VULB 9162	Temp. / Humidity	25°C /58%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_30MHz-1GHz		

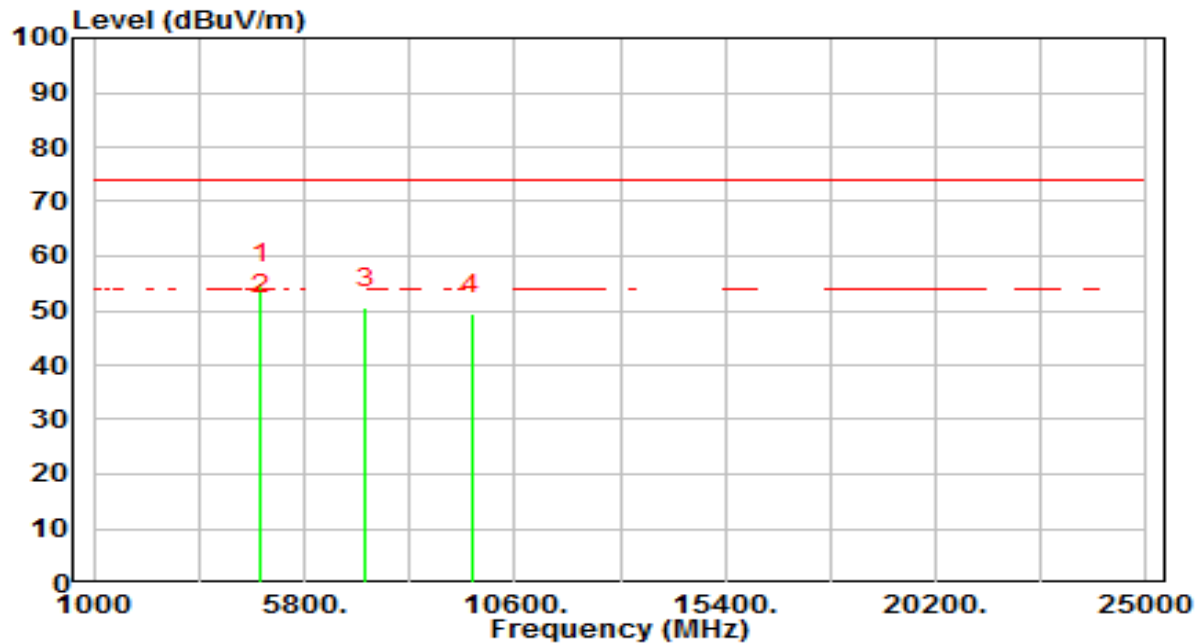


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	33.880	5.38	17.38	22.76	-17.24	40.00	100	79	QP
2	91.110	5.28	16.82	22.10	-21.40	43.50	100	259	QP
3	148.340	7.49	14.97	22.47	-21.03	43.50	100	284	QP
4	199.750	2.89	17.97	20.86	-22.64	43.50	100	9	QP
5	288.020	2.74	20.34	23.08	-22.92	46.00	100	88	QP
6	* 729.370	2.20	28.56	30.75	-15.25	46.00	100	170	QP

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

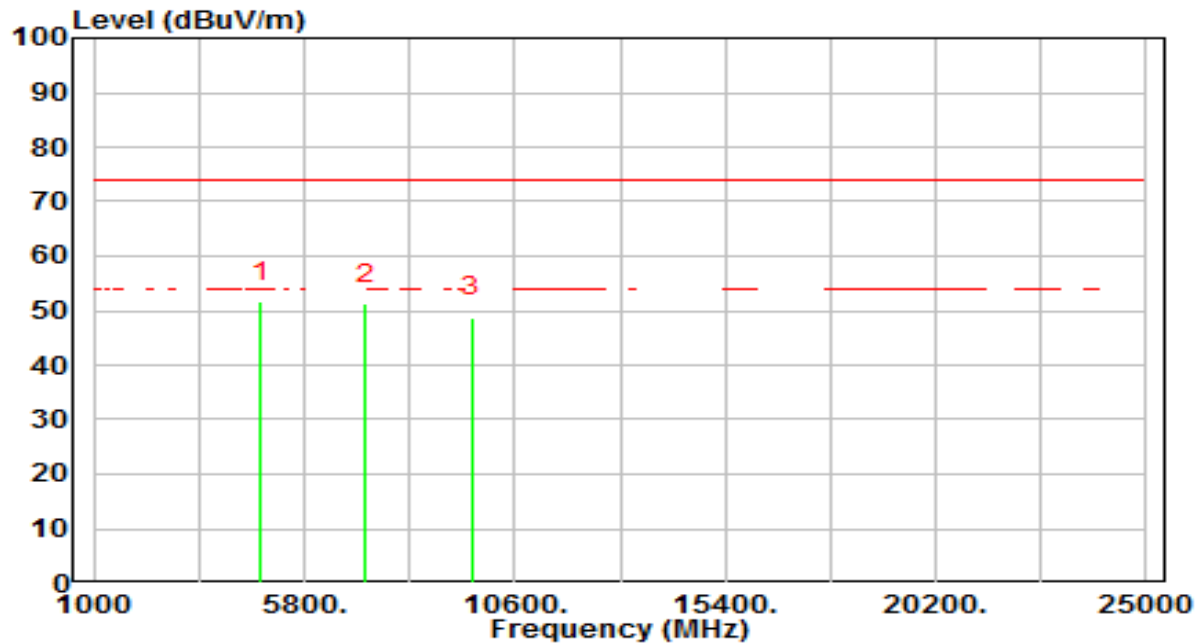


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4804.000	51.34	3.56	54.91	-19.09	74.00	100	174	Peak
2	* 4804.000	45.84	3.56	49.40	-4.60	54.00	100	174	Average
3	7206.000	42.41	8.05	50.46	-23.54	74.00	100	360	Peak
4	9608.000	41.81	7.46	49.27	-24.73	74.00	100	283	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

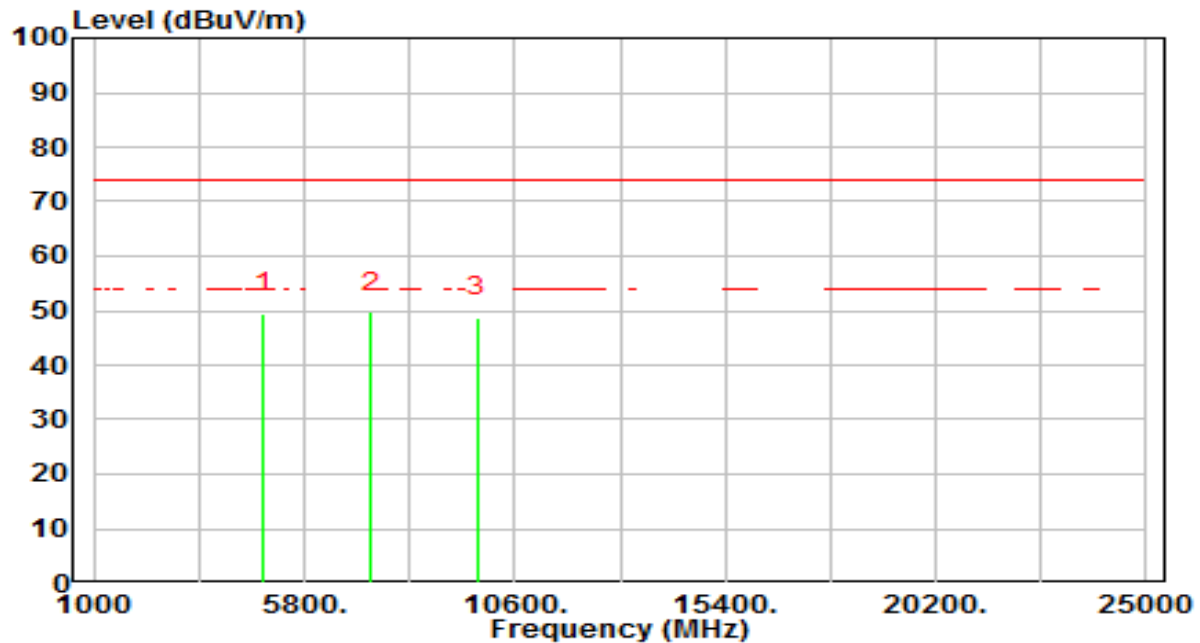


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4804.000	47.96	3.56	51.53	-22.47	74.00	100	259	Peak
2	7206.000	43.27	8.05	51.31	-22.69	74.00	100	275	Peak
3	9608.000	41.30	7.46	48.76	-25.24	74.00	100	2	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 19	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

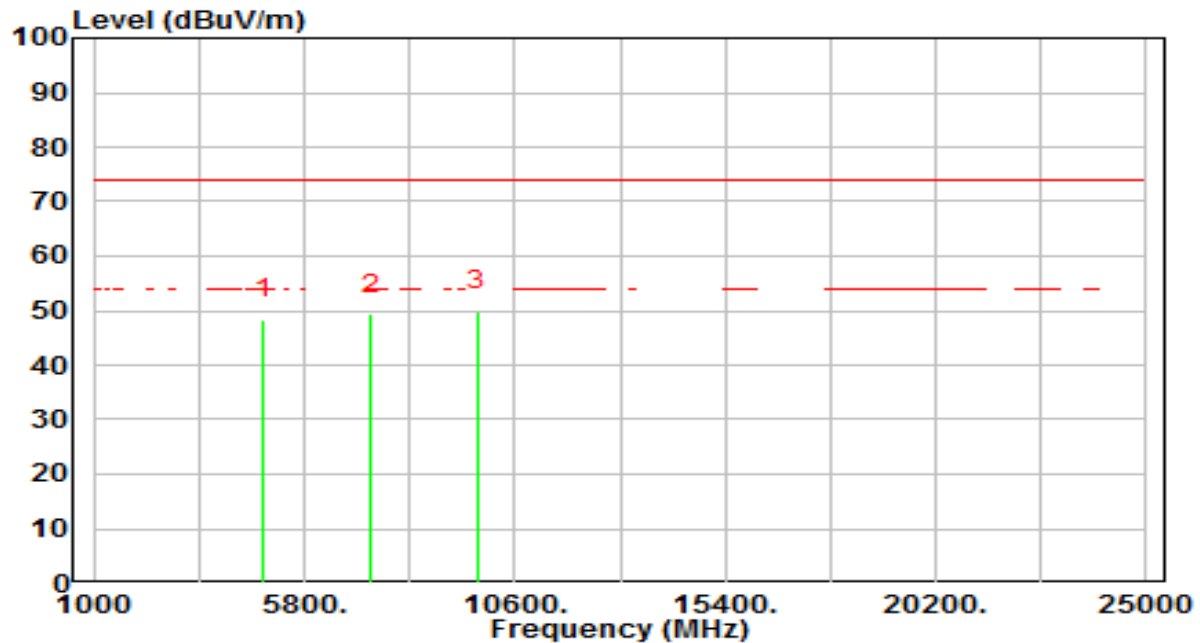


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4880.000	46.07	3.50	49.57	-24.43	74.00	100	163	Peak
2	* 7320.000	41.32	8.35	49.67	-24.33	74.00	100	90	Peak
3	9760.000	41.31	7.53	48.84	-25.16	74.00	100	336	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 19	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

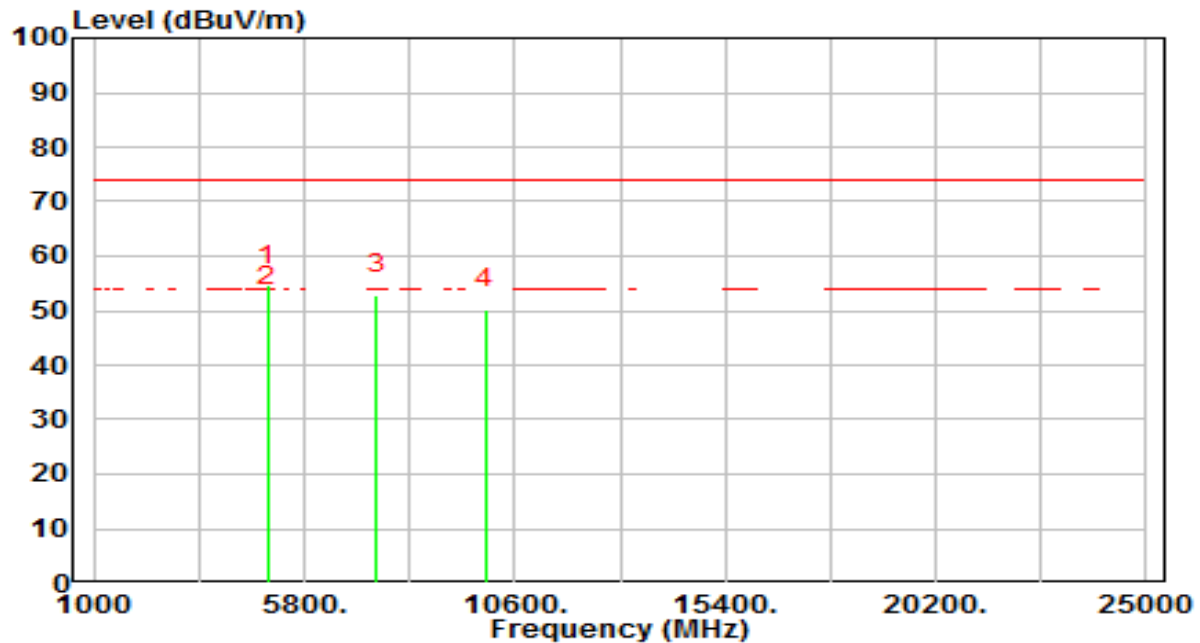


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4880.000	44.86	3.50	48.36	-25.64	74.00	100	262	Peak
2	7320.000	40.92	8.35	49.26	-24.74	74.00	100	277	Peak
3	* 9760.000	42.36	7.53	49.89	-24.11	74.00	100	104	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

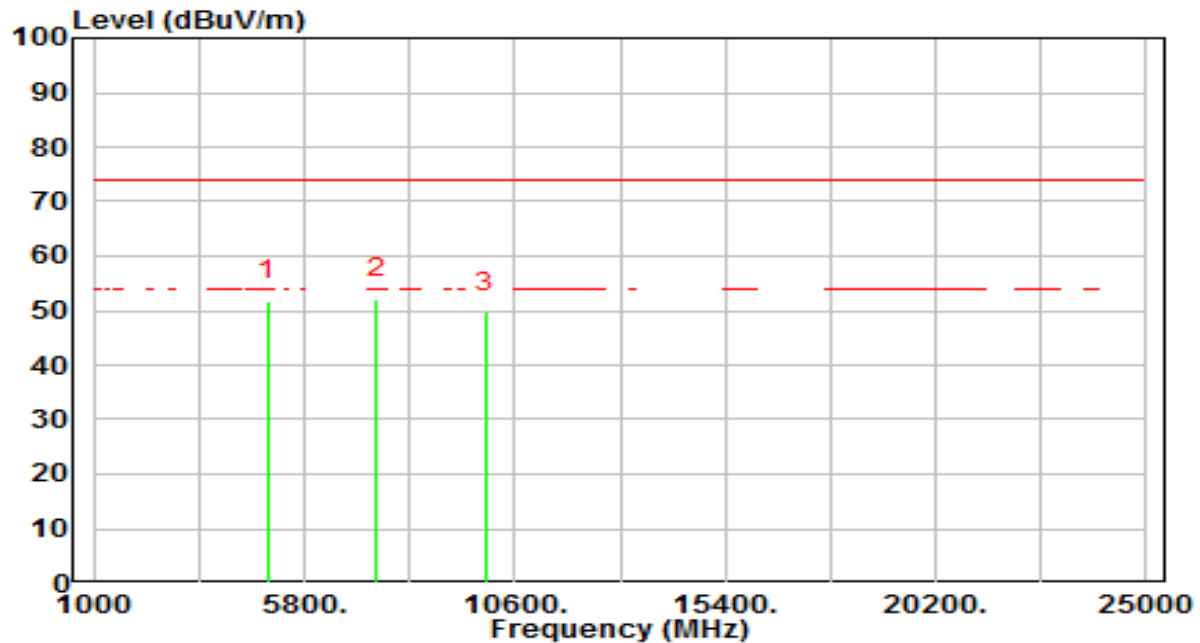


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4960.000	50.93	3.75	54.68	-19.32	74.00	100	52	Peak
2	*	4960.000	46.85	3.75	50.60	-3.40	54.00	100	52	Average
3		7440.000	44.97	7.92	52.90	-21.10	74.00	100	278	Peak
4		9920.000	42.71	7.53	50.24	-23.76	74.00	100	158	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

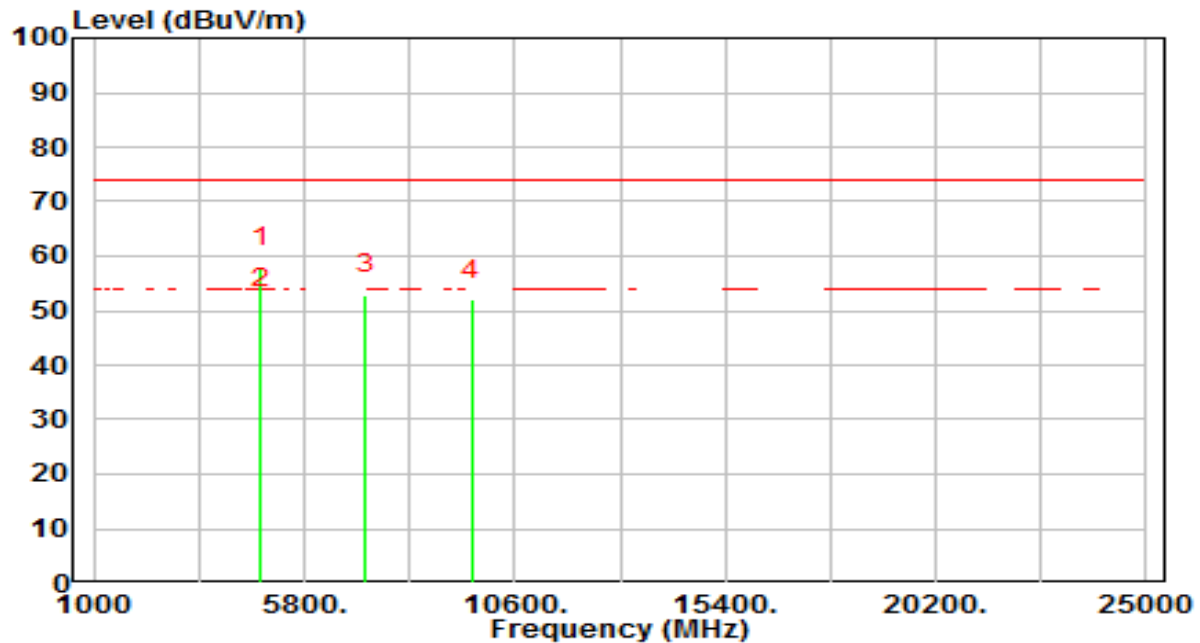


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4960.000	48.11	3.75	51.87	-22.13	74.00	100	262	Peak
2	* 7440.000	44.29	7.92	52.21	-21.79	74.00	100	1	Peak
3	9920.000	42.18	7.53	49.71	-24.29	74.00	100	243	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

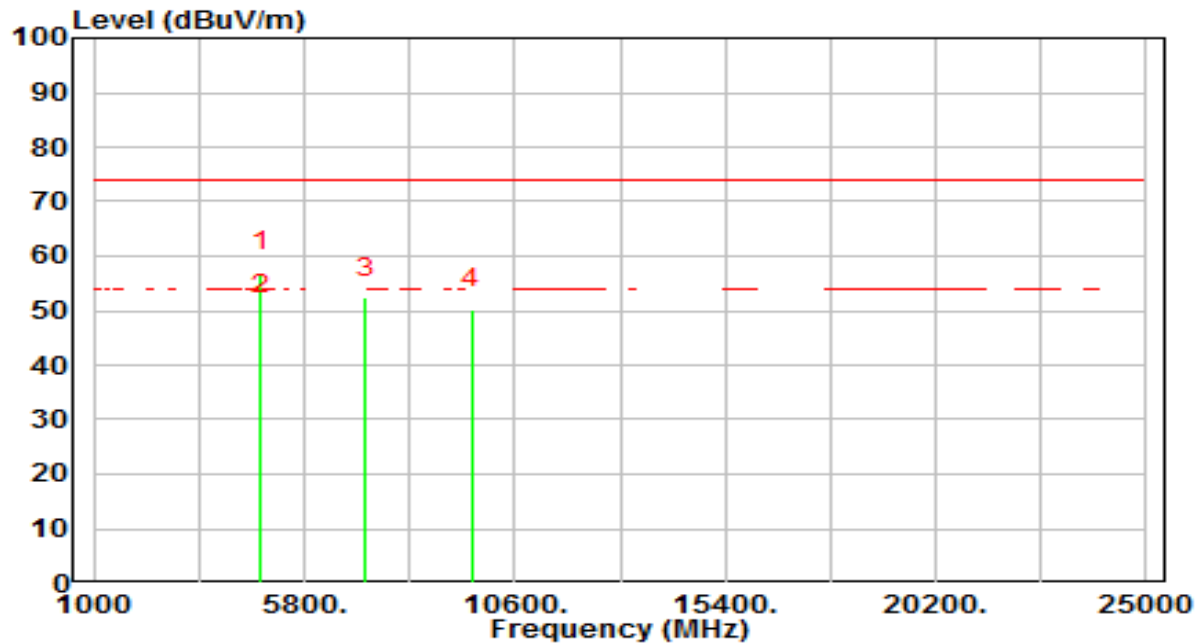


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4804.000	54.34	3.56	57.91	-16.09	74.00	100	177	Peak
2	*	4804.000	46.72	3.56	50.28	-3.72	54.00	100	177	Average
3		7206.000	44.89	8.05	52.94	-21.06	74.00	100	291	Peak
4		9608.000	44.47	7.46	51.93	-22.07	74.00	100	193	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

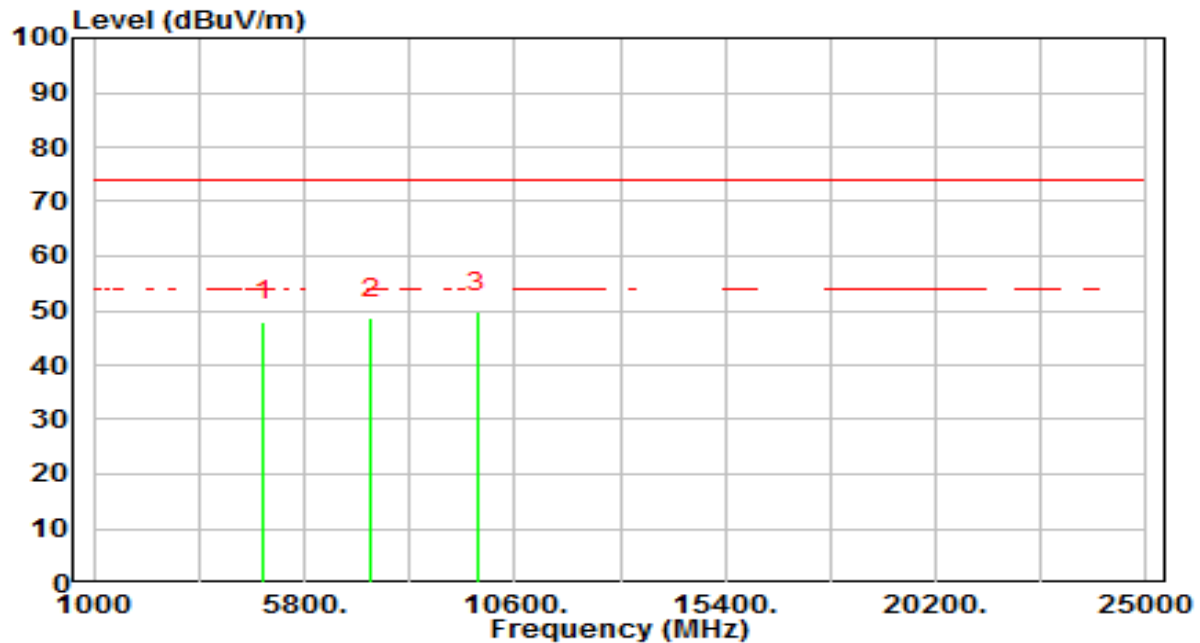


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4804.000	53.43	3.56	56.99	-17.01	74.00	100	264	Peak
2	*	4804.000	45.73	3.56	49.29	-4.71	54.00	100	264	Average
3		7206.000	44.39	8.05	52.44	-21.56	74.00	100	316	Peak
4		9608.000	42.89	7.46	50.35	-23.65	74.00	100	328	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 19	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

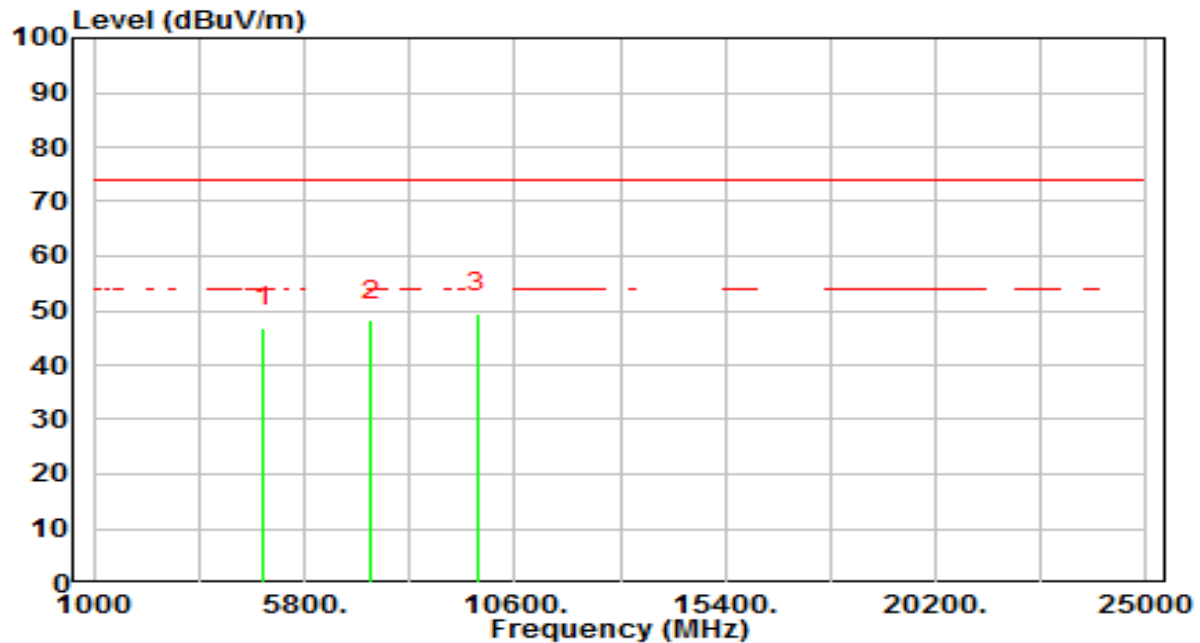


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4880.000	44.45	3.50	47.95	-26.05	74.00	100	168	Peak
2	7320.000	40.15	8.35	48.50	-25.50	74.00	100	221	Peak
3	* 9760.000	42.20	7.53	49.73	-24.27	74.00	100	80	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 19	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

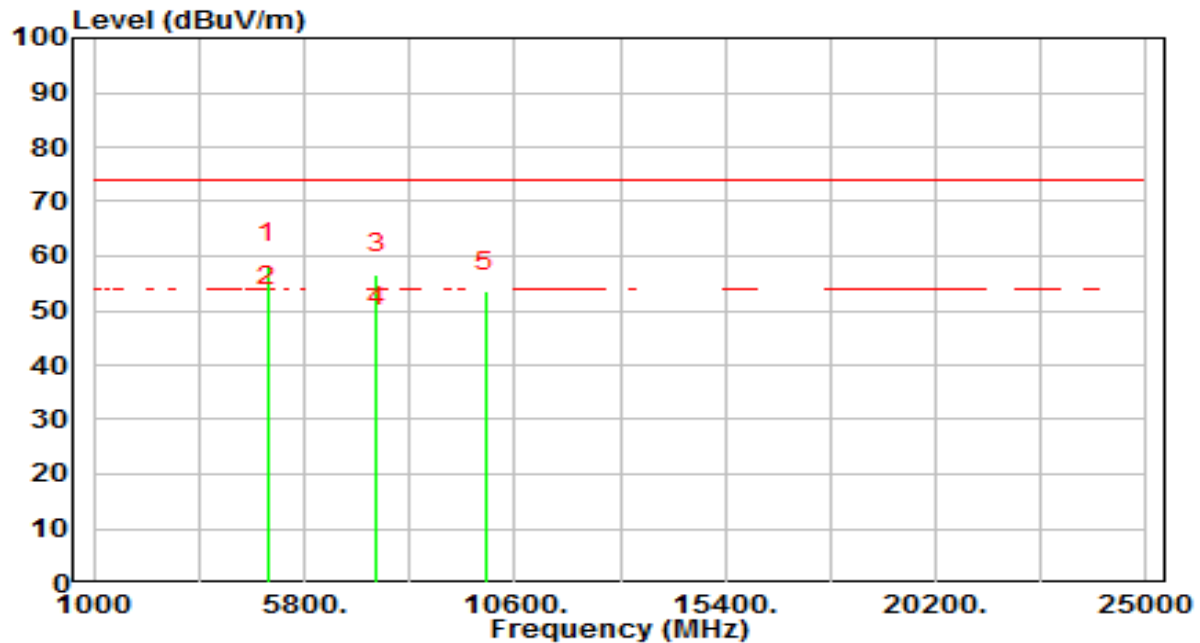


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4880.000	43.33	3.50	46.83	-27.17	74.00	100	258	Peak
2	7320.000	39.89	8.35	48.24	-25.76	74.00	100	90	Peak
3	* 9760.000	41.95	7.53	49.48	-24.52	74.00	100	203	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

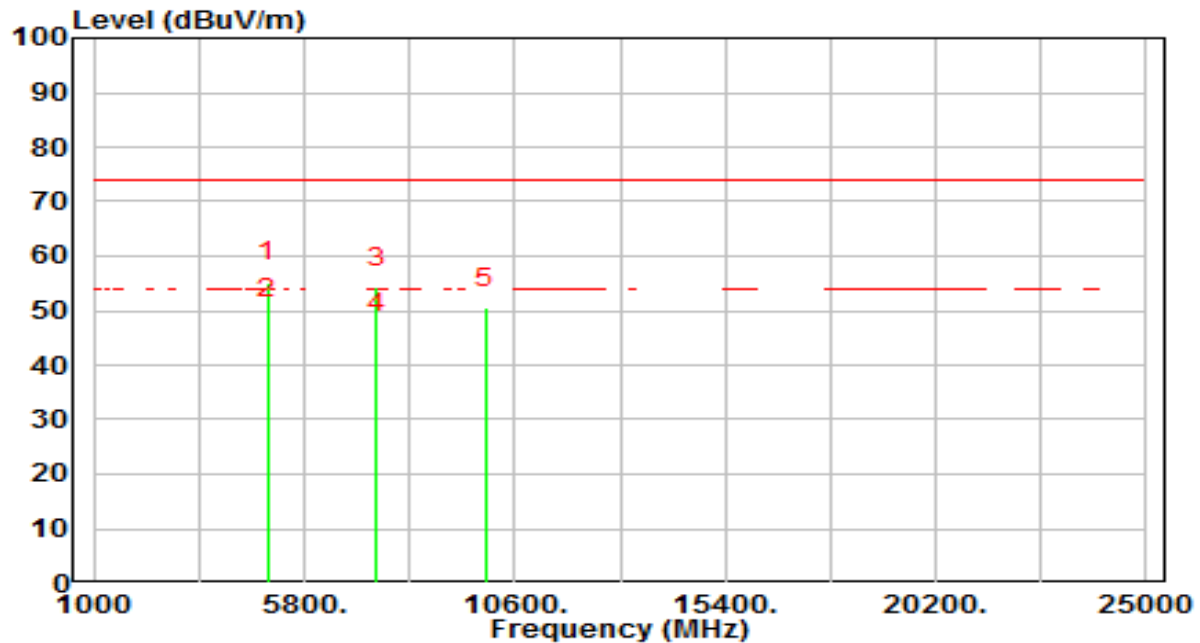


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4960.000	54.83	3.75	58.58	-15.42	74.00	100	39	Peak
2	* 4960.000	47.10	3.75	50.85	-3.15	54.00	100	39	Average
3	7440.000	48.71	7.92	56.64	-17.36	74.00	100	167	Peak
4	7440.000	39.08	7.92	47.00	-7.00	54.00	100	167	Average
5	9920.000	46.00	7.53	53.53	-20.47	74.00	100	209	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

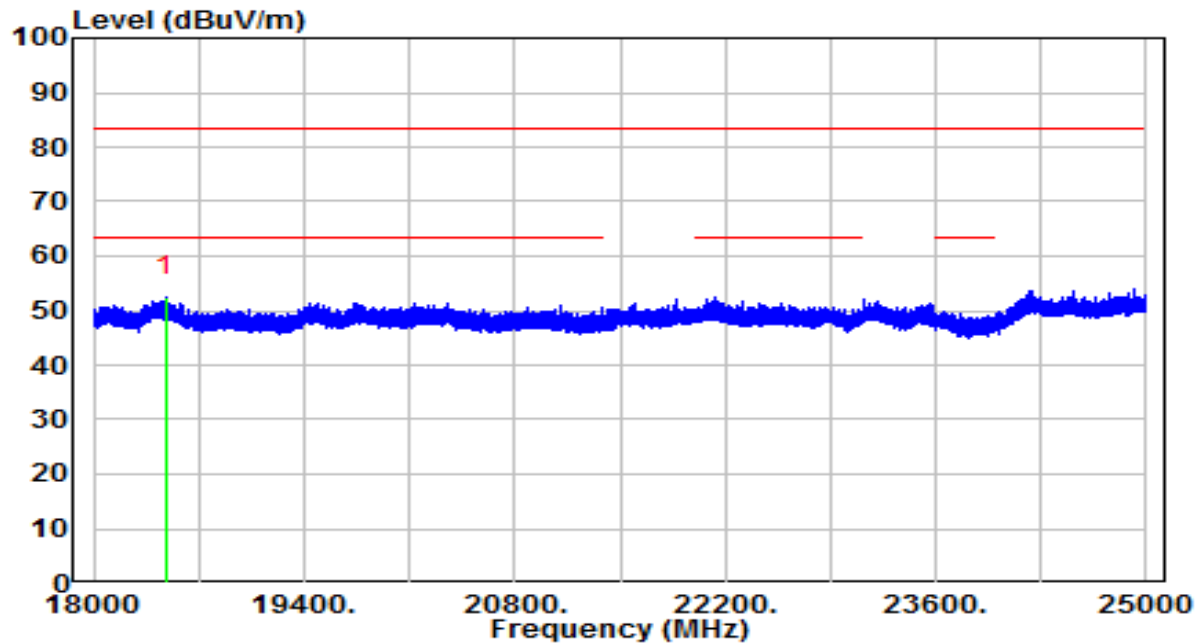


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4960.000	51.48	3.75	55.23	-18.77	74.00	100	262	Peak
2	* 4960.000	44.85	3.75	48.60	-5.40	54.00	100	262	Average
3	7440.000	46.34	7.92	54.27	-19.73	74.00	100	9	Peak
4	7440.000	37.89	7.92	45.81	-8.19	54.00	100	9	Average
5	9920.000	43.00	7.53	50.53	-23.47	74.00	100	159	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-07-06
Factor	BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_18GHz-40GHz_1m		

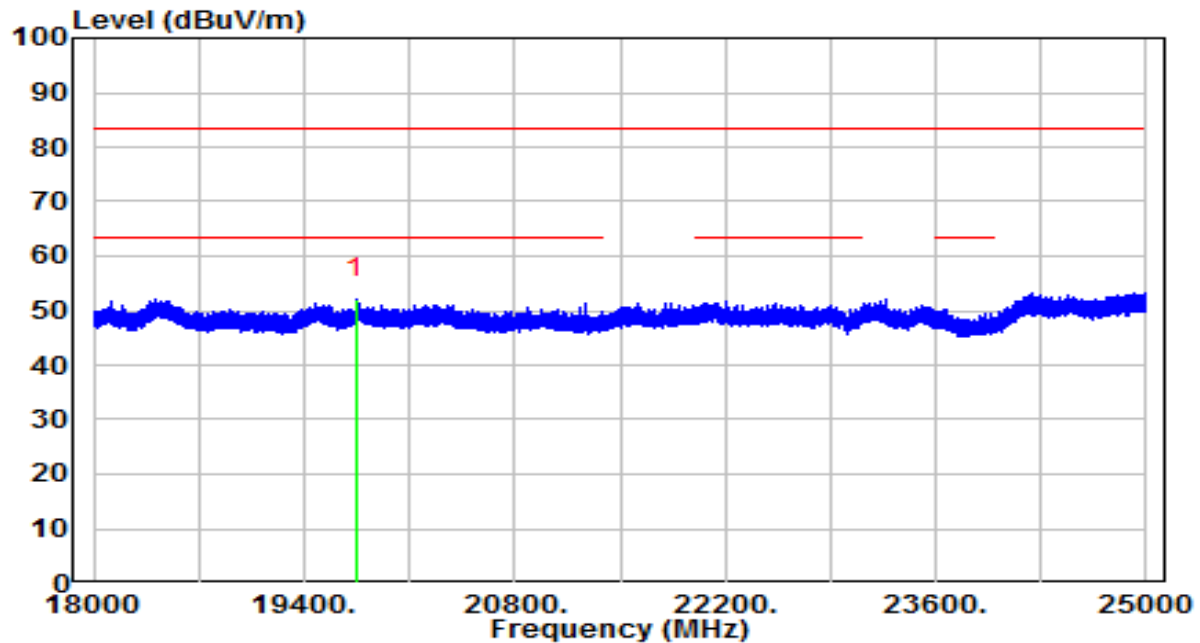


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 18476.880	39.01	13.57	52.58	-30.92	83.50	150	214	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-07-06
Factor	BBHA 9170	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_18GHz-40GHz_1m		



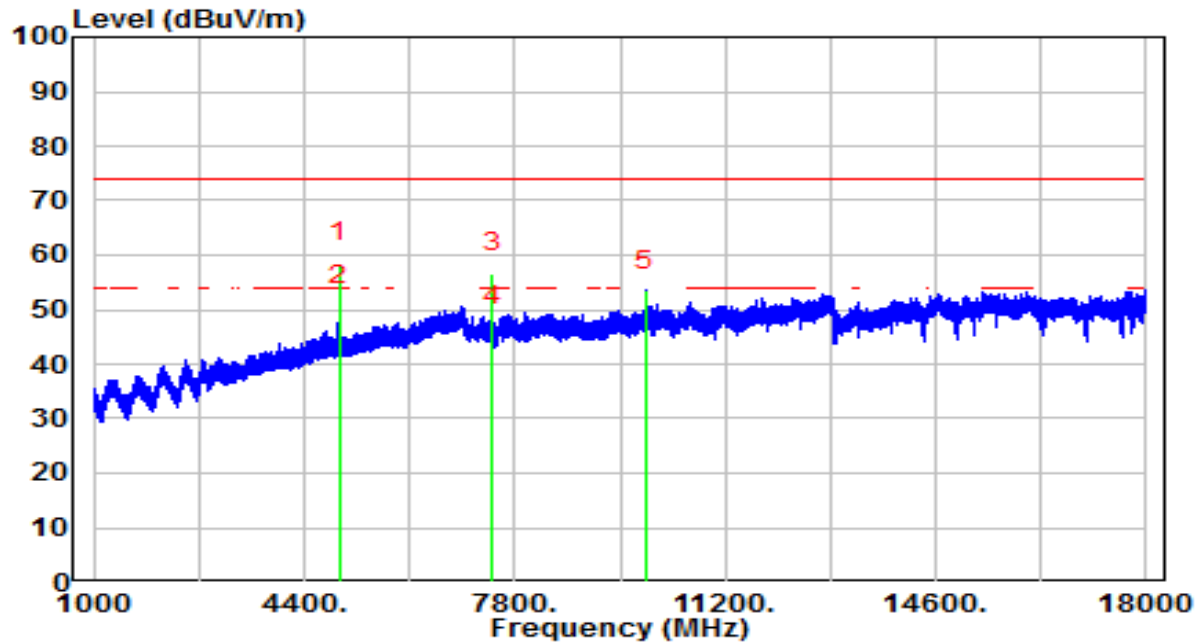
No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 19747.590	39.09	13.09	52.18	-31.32	83.50	150	38	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

WORST CASE:

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

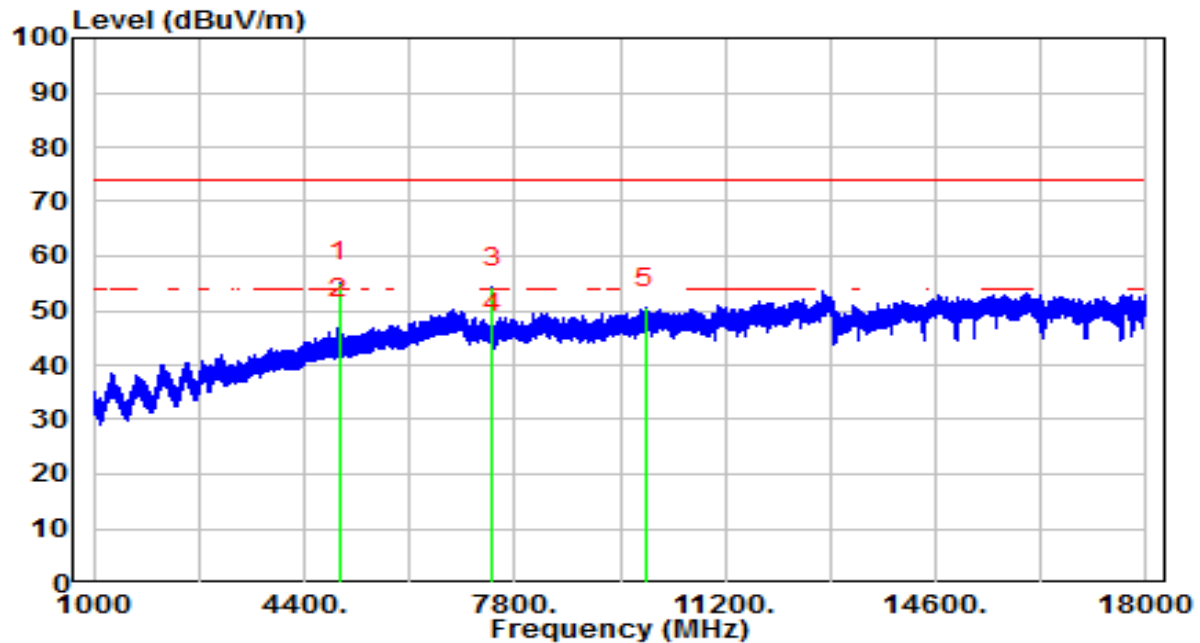


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4960.000	54.83	3.75	58.58	-15.42	74.00	100	39	Peak
2	*	4960.000	47.10	3.75	50.85	-3.15	54.00	100	39	Average
3		7440.000	48.71	7.92	56.64	-17.36	74.00	100	167	Peak
4		7440.000	39.08	7.92	47.00	-7.00	54.00	100	167	Average
5		9920.000	46.00	7.53	53.53	-20.47	74.00	100	209	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		



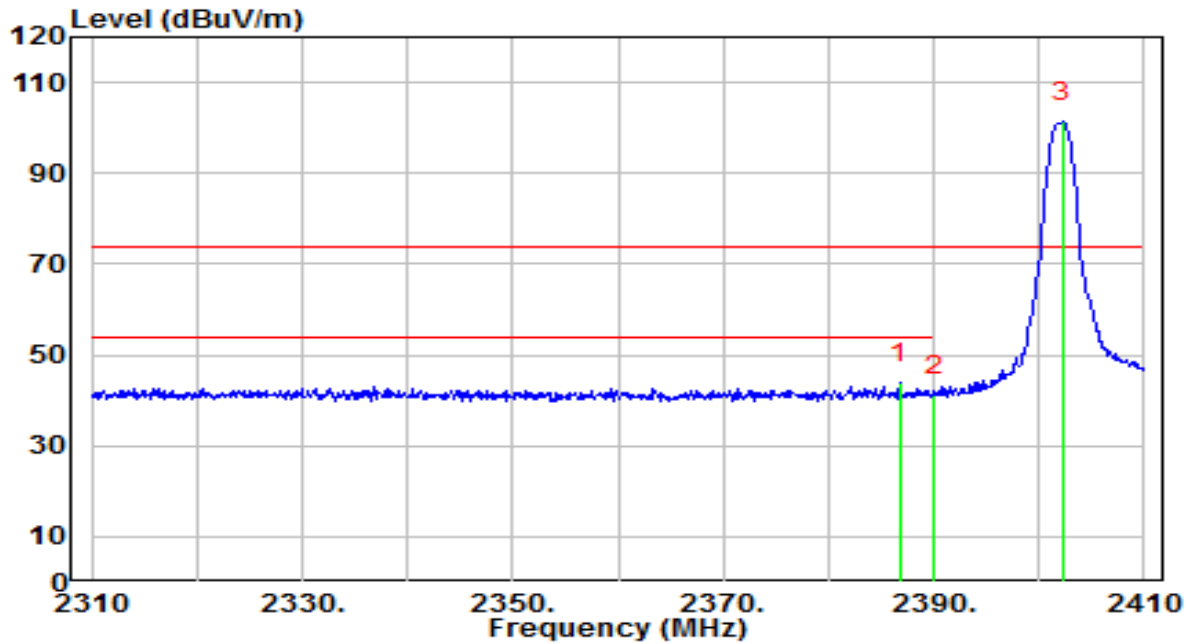
No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4960.000	51.48	3.75	55.23	-18.77	74.00	100	262	Peak
2	*	4960.000	44.85	3.75	48.60	-5.40	54.00	100	262	Average
3		7440.000	46.34	7.92	54.27	-19.73	74.00	100	9	Peak
4		7440.000	37.89	7.92	45.81	-8.19	54.00	100	9	Average
5		9920.000	43.00	7.53	50.53	-23.47	74.00	100	159	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

A.7 Radiated Restricted Band Edge Test Result

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

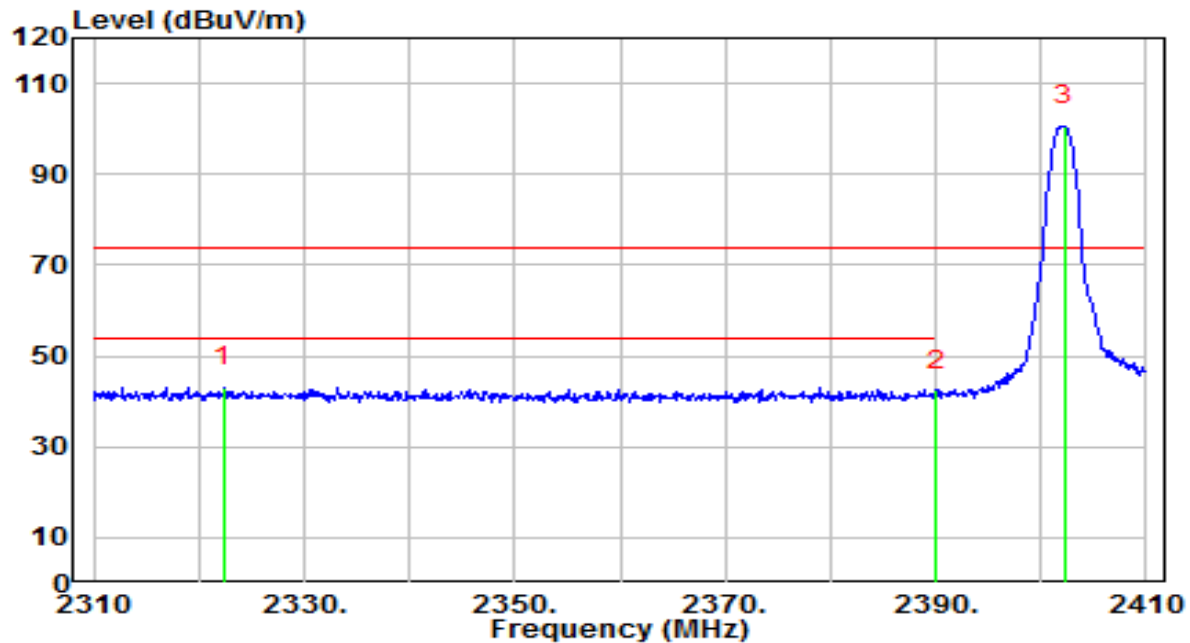


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2386.800	47.03	-3.27	43.76	-30.24	74.00	165	160	Peak
2	2390.000	44.32	-3.26	41.06	-32.94	74.00	165	160	Peak
3	2402.300	104.52	-3.23	101.29	N/A	N/A	165	160	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

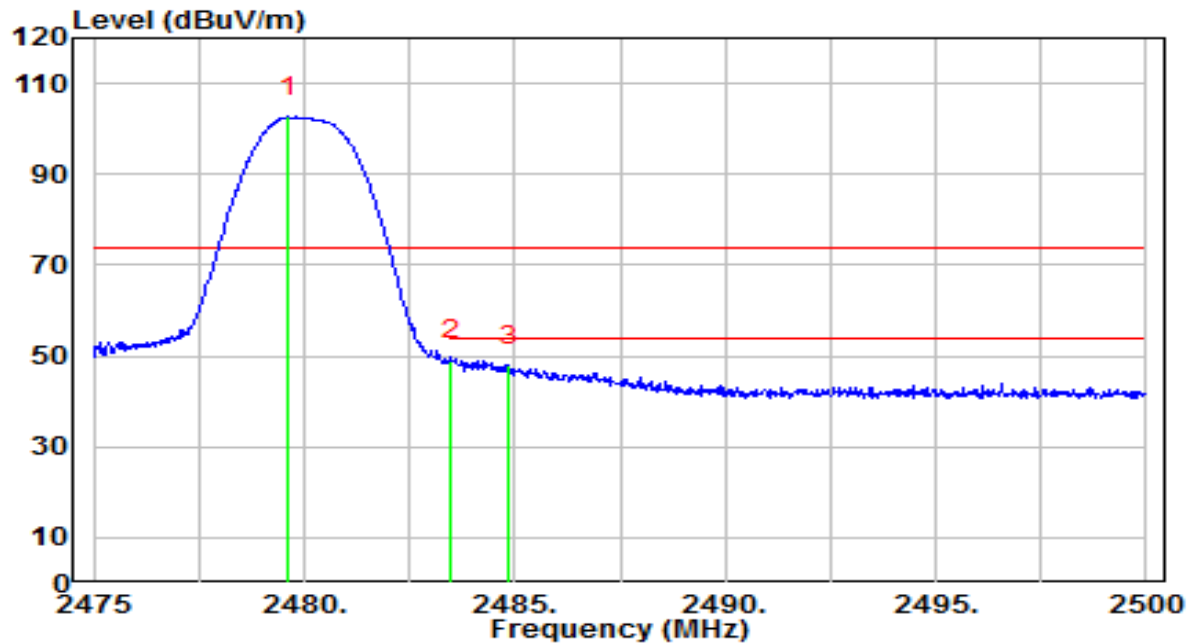


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2322.400	46.61	-3.43	43.18	-30.82	74.00	170	80	Peak
2	2390.000	45.80	-3.26	42.54	-31.46	74.00	170	80	Peak
3	2402.300	103.78	-3.23	100.55	N/A	N/A	170	80	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

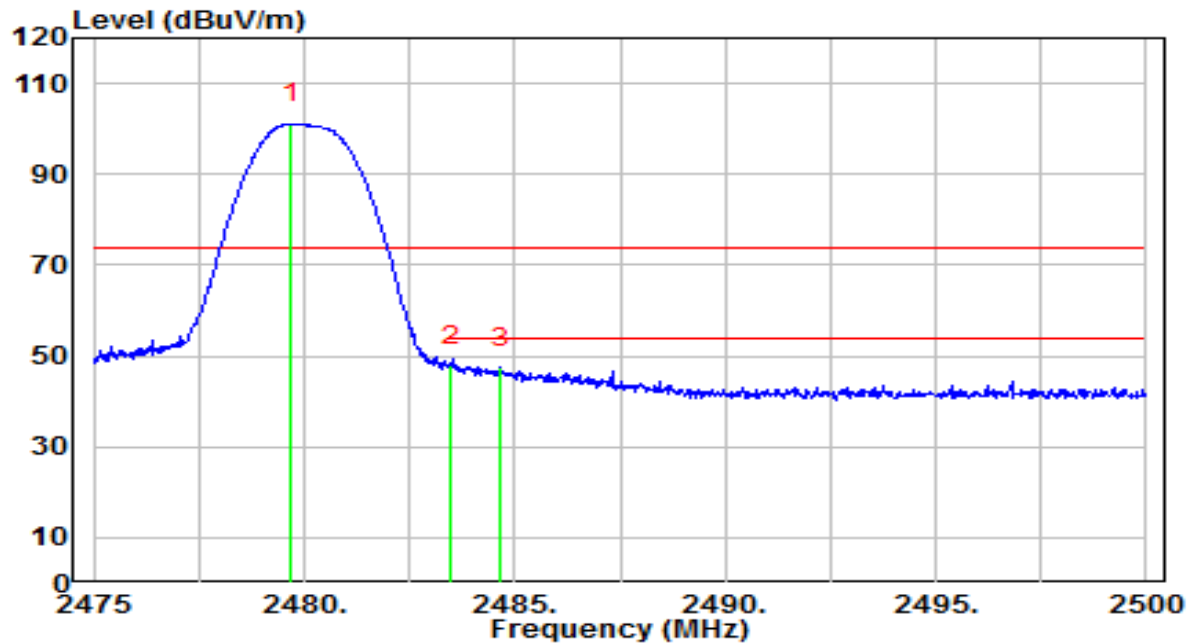


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.625	105.64	-3.06	102.58	N/A	N/A	155	150	Peak
2	* 2483.500	52.18	-3.05	49.13	-24.87	74.00	155	150	Peak
3	2484.875	50.88	-3.05	47.83	-26.17	74.00	155	150	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_1Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

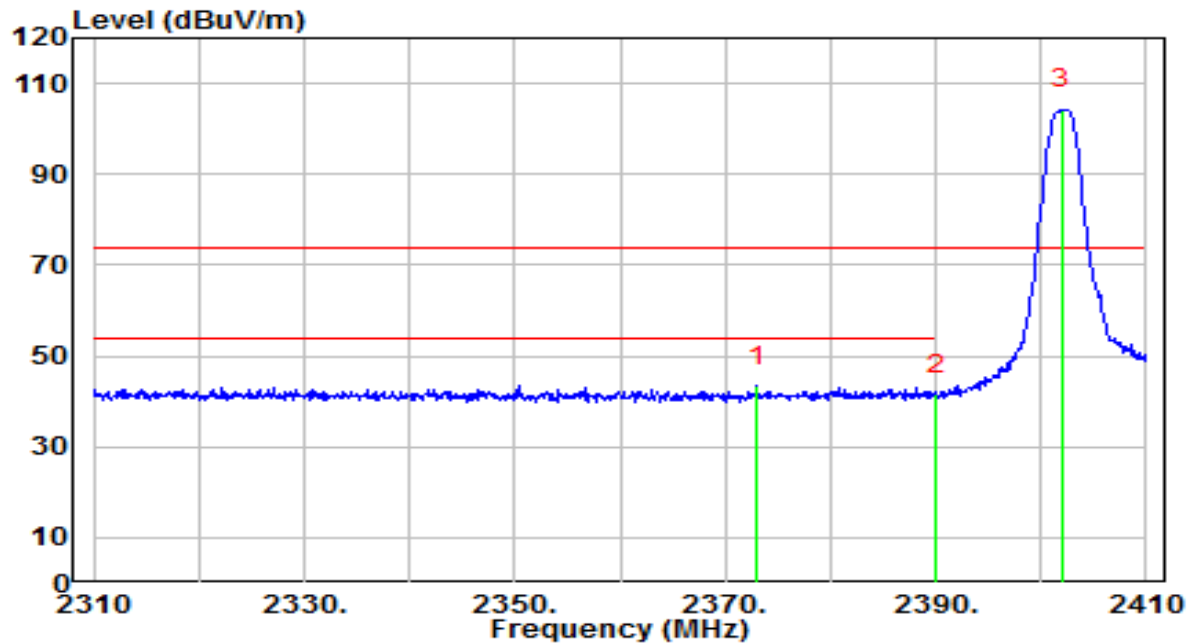


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.675	104.18	-3.06	101.12	N/A	N/A	155	135	Peak
2	* 2483.500	50.99	-3.05	47.94	-26.06	74.00	155	135	Peak
3	2484.675	50.40	-3.05	47.35	-26.65	74.00	155	135	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

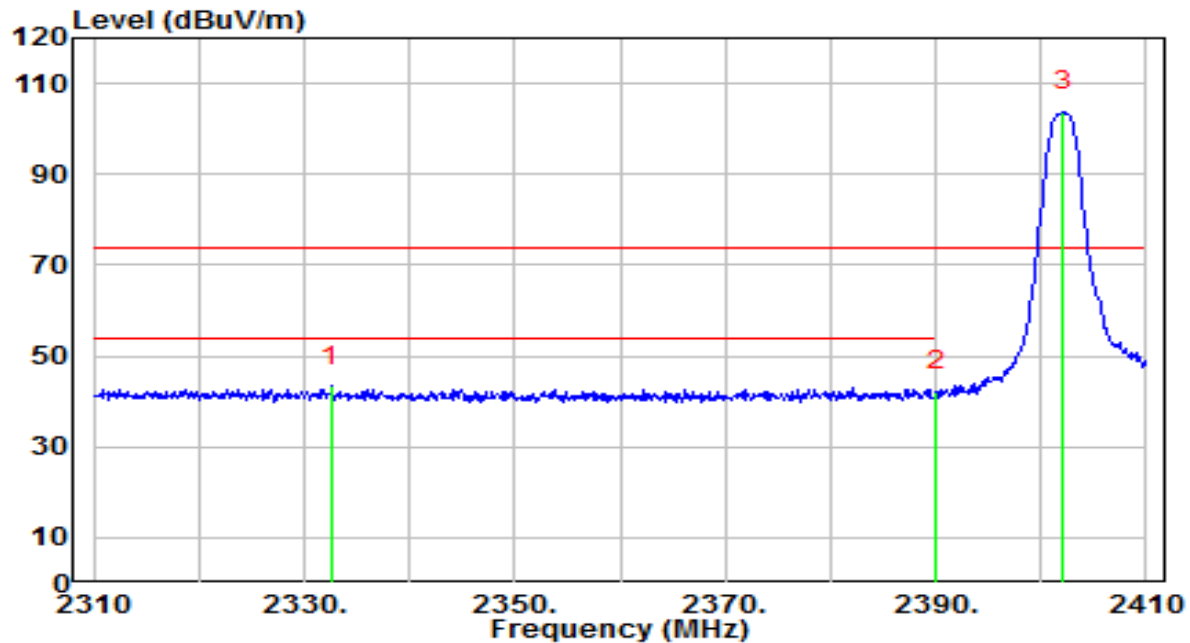


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2373.000	46.70	-3.31	43.40	-30.60	74.00	165	160	Peak
2	2390.000	44.81	-3.26	41.54	-32.46	74.00	165	160	Peak
3	2402.000	107.60	-3.23	104.37	N/A	N/A	165	160	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 0	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

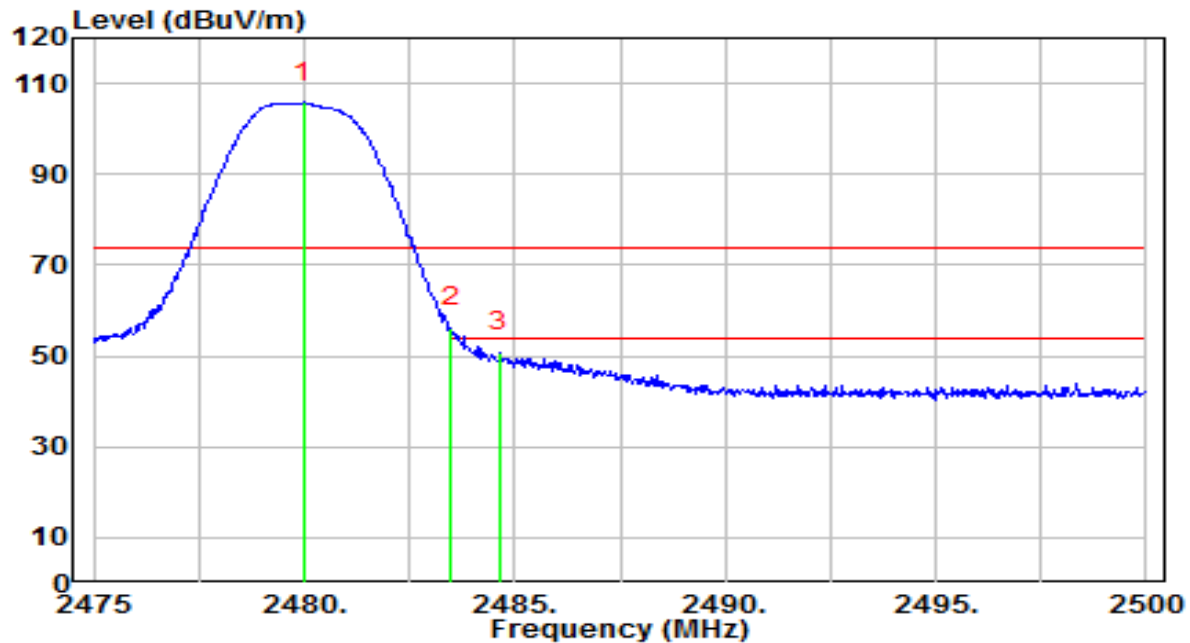


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2332.600	46.66	-3.41	43.25	-30.75	74.00	170	80	Peak
2	2390.000	45.55	-3.26	42.29	-31.71	74.00	170	80	Peak
3	2402.100	106.98	-3.23	103.75	N/A	N/A	170	80	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

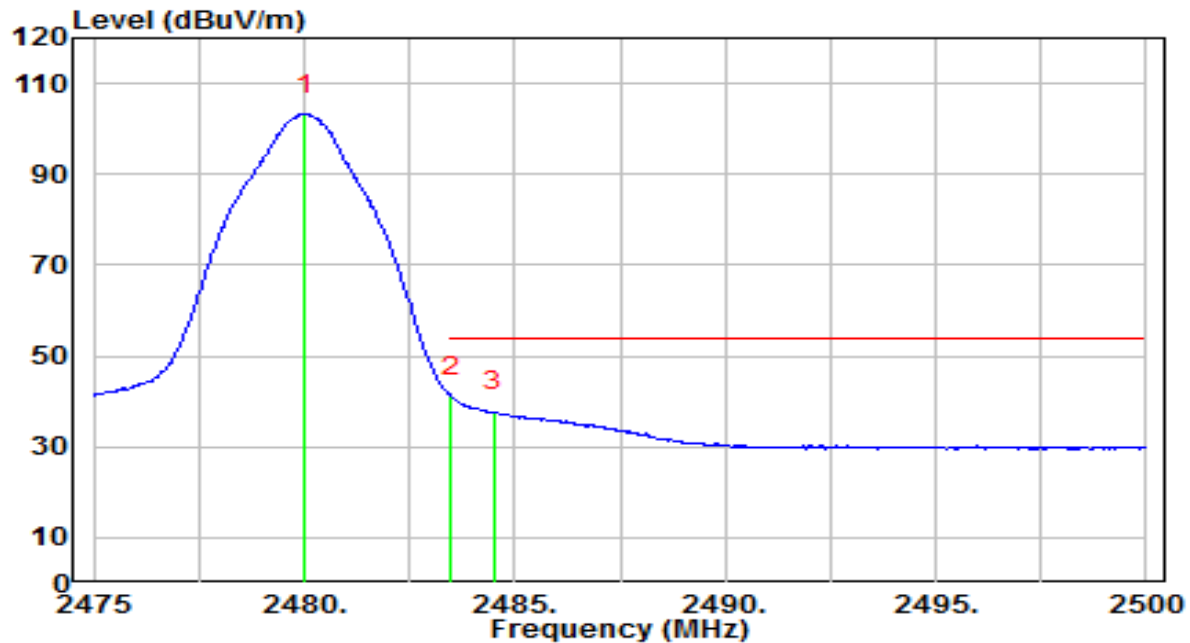


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.975	108.82	-3.06	105.76	N/A	N/A	155	150	Peak
2	* 2483.500	59.24	-3.05	56.19	-17.81	74.00	155	150	Peak
3	2484.650	53.82	-3.05	50.77	-23.23	74.00	155	150	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

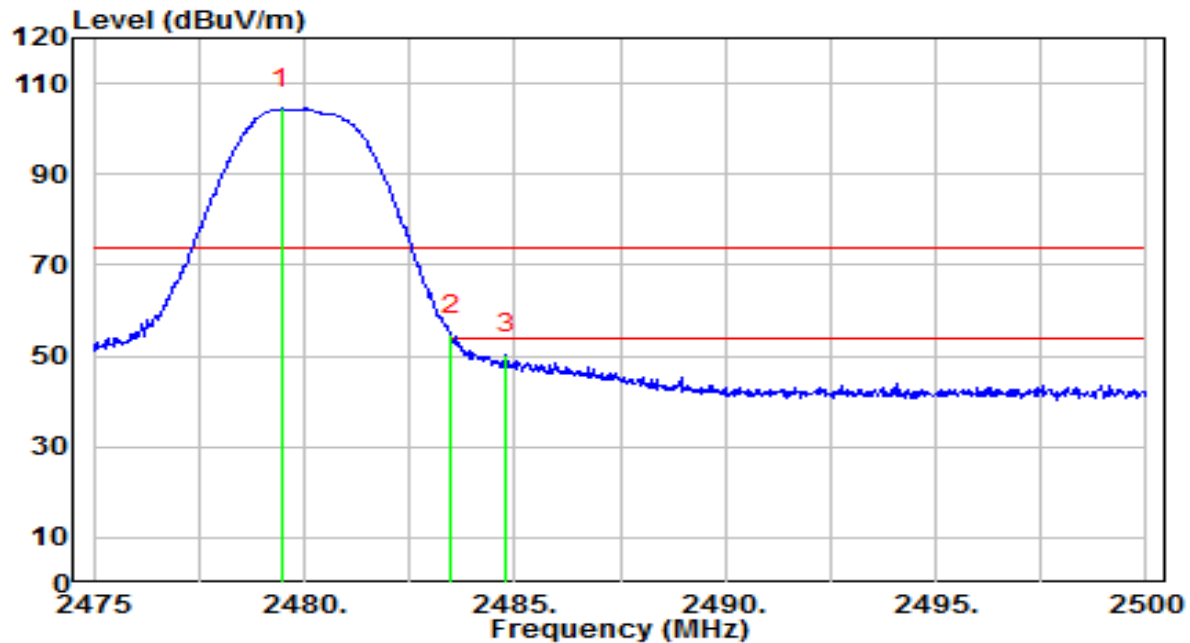


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2480.025	106.27	-3.06	103.21	N/A	N/A	155	150	Average
2	* 2483.500	44.12	-3.05	41.07	-12.93	54.00	155	150	Average
3	2484.500	40.72	-3.05	37.67	-16.33	54.00	155	150	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		

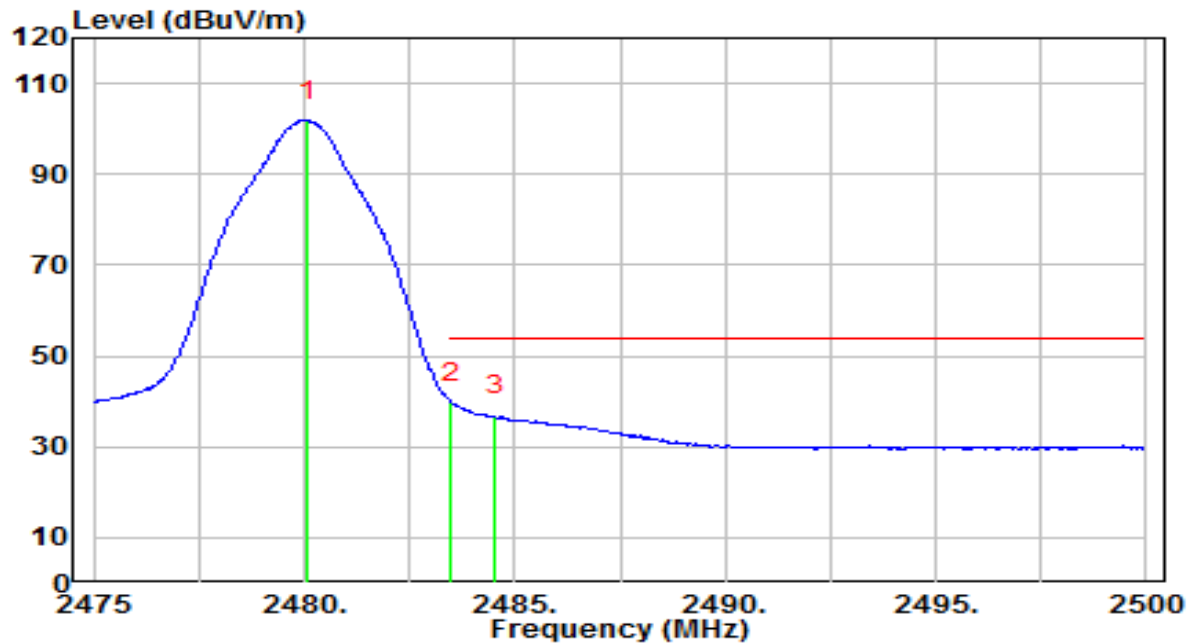


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2479.450	107.48	-3.06	104.42	N/A	N/A	155	135	Peak
2	* 2483.500	57.64	-3.05	54.59	-19.41	74.00	155	135	Peak
3	2484.800	53.33	-3.05	50.28	-23.72	74.00	155	135	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	CFA	Date of Test	2026-06-26
Factor	DRH18-E	Temp. / Humidity	24°C /55%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd
Test Mode	BLE_TX_2Mbps_CH 39	Test Voltage	By Notebook PC
Limit	FCC Part15C_1GHz-40GHz		



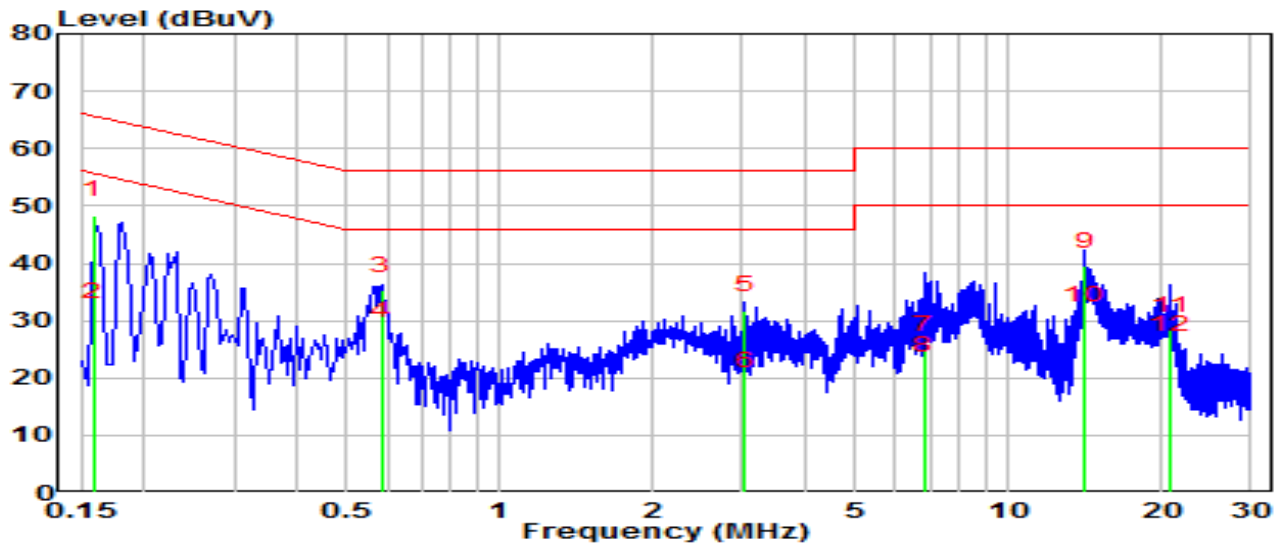
No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2480.075	104.88	-3.06	101.82	N/A	N/A	155	135	Average
2	* 2483.500	42.77	-3.05	39.72	-14.28	54.00	155	135	Average
3	2484.525	39.77	-3.05	36.72	-17.28	54.00	155	135	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

A.8 AC Conducted Emissions Test Result

EUT	CFA	Date of Test	2026-06-25
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	26°C /58%
Polarity	Line1	Site / Test Engineer	SR2 / Tim
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz
Limit	FCC Part15C_CE_0.15MHz-30MHz		

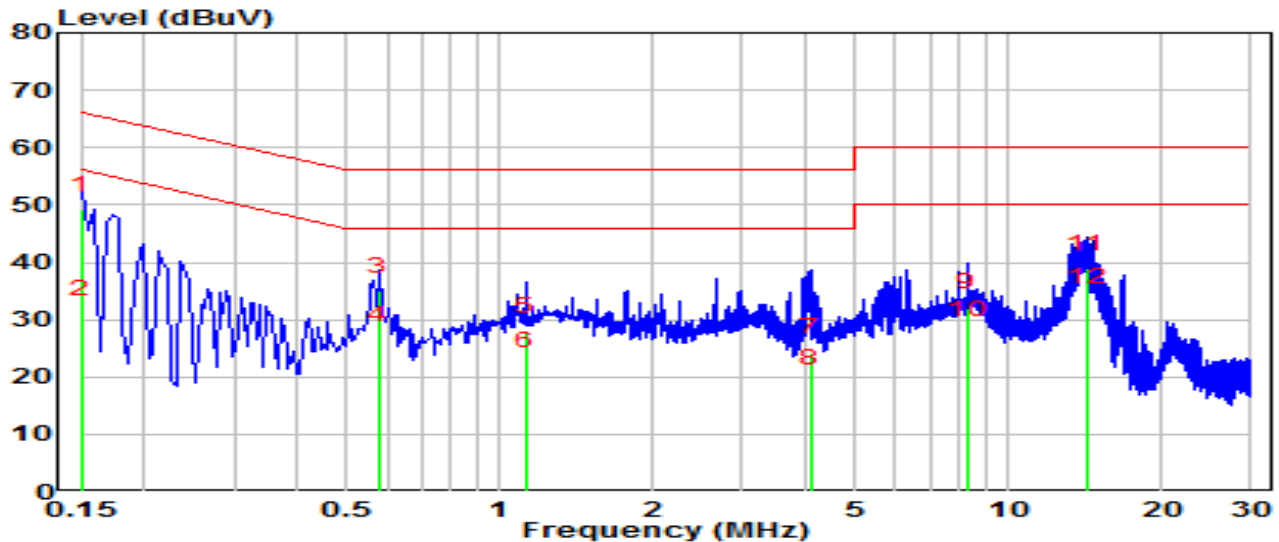


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.159	38.71	9.62	48.33	-17.18	65.52	QP
2	*	0.159	21.01	9.62	30.63	-24.88	55.52	Average
3		0.586	25.62	9.65	35.27	-20.73	56.00	QP
4		0.586	17.68	9.65	27.33	-18.67	46.00	Average
5		3.025	22.01	9.73	31.74	-24.26	56.00	QP
6		3.025	8.74	9.73	18.47	-27.53	46.00	Average
7		6.841	15.05	9.80	24.86	-35.14	60.00	QP
8		6.841	11.58	9.80	21.38	-28.62	50.00	Average
9		14.175	29.61	9.89	39.50	-20.50	60.00	QP
10		14.175	20.00	9.89	29.89	-20.11	50.00	Average
11		20.834	18.40	9.92	28.32	-31.68	60.00	QP
12		20.834	14.97	9.92	24.89	-25.11	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

EUT	CFA	Date of Test	2026-06-25
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	26°C /58%
Polarity	Neutral	Site / Test Engineer	SR2 / Tim
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz
Limit	FCC Part15C_CE_0.15MHz-30MHz		



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV)	Margin (dB)	Limit (dBuV)	Remark (QP/PK/AV)
1	*	0.150	39.55	9.62	49.17	-16.83	66.00	QP
2	*	0.150	21.22	9.62	30.84	-25.16	56.00	Average
3		0.577	25.31	9.65	34.96	-21.04	56.00	QP
4		0.577	16.87	9.65	26.52	-19.48	46.00	Average
5		1.126	18.40	9.67	28.07	-27.93	56.00	QP
6		1.126	12.29	9.67	21.97	-24.03	46.00	Average
7		4.074	14.49	9.75	24.24	-31.76	56.00	QP
8		4.074	9.16	9.75	18.91	-27.09	46.00	Average
9		8.299	22.22	9.83	32.05	-27.95	60.00	QP
10		8.299	17.34	9.83	27.17	-22.83	50.00	Average
11		14.301	28.88	9.92	38.80	-21.20	60.00	QP
12		14.301	23.03	9.92	32.95	-17.05	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

Appendix B - Test Setup Photograph

Refer to “2606TW0117-UT” file.

Appendix C - External Photograph

Refer to “2606TW0117-UE” file.

Appendix D - Internal Photograph

Refer to “2606TW0117-UI” file.

_____ The End _____