

FCC Radio Test Report

FCC ID: ACJ-EAH-AZ200R

Report No. : BTL-FCCP-4-2607T082
Equipment : Digital Wireless Stereo Earphones
Model Name : EAH-AZ200
Brand Name : Technics
Applicant : Panasonic Corporation of North America
Address : Two Riverfront Plaza, Newark, New Jersey 07102-5490 United States

Radio Function : Bluetooth Low Energy

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.247)
Measurement Procedure(s) : ANSI C63.10-2020+Cor.1-2023

Date of Receipt : 2026/7/23
Date of Test : 2026/8/10 ~ 2026/9/8
Issued Date : 2026/9/18

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by

Brett Shen
Brett Shen, Engineer

Approved by

Jerry Chuang
Jerry Chuang, Vice Manager

**BTL Inc.**

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.btl.com.tw Service mail: btl_qa@btl.com.tw



Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the Customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

CONTENTS

REVISION HISTORY	5
1 SUMMARY OF TEST RESULTS	6
1.1 TEST FACILITY	7
1.2 MEASUREMENT UNCERTAINTY	7
1.3 TEST ENVIRONMENT CONDITIONS	8
1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	8
1.5 DUTY CYCLE	8
2 GENERAL INFORMATION	9
2.1 DESCRIPTION OF EUT	9
2.2 TEST MODES	11
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	12
2.4 SUPPORT UNITS	13
3 AC POWER LINE CONDUCTED EMISSIONS TEST	14
3.1 LIMIT	14
3.2 TEST PROCEDURE	14
3.3 DEVIATION FROM TEST STANDARD	15
3.4 TEST SETUP	15
3.5 EUT OPERATION CONDITIONS	15
3.6 TEST RESULT	15
4 RADIATED EMISSIONS TEST	16
4.1 LIMIT	16
4.2 TEST PROCEDURE	17
4.3 DEVIATION FROM TEST STANDARD	17
4.4 TEST SETUP	17
4.5 EUT OPERATING CONDITIONS	18
4.6 TEST RESULT – 9 KHZ TO 30 MHZ	19
4.7 TEST RESULT – 30 MHZ TO 1 GHZ	19
4.8 TEST RESULT – ABOVE 1 GHZ	19
5 BANDWIDTH TEST	20
5.1 APPLIED PROCEDURES / LIMIT	20
5.2 TEST PROCEDURE	20
5.3 DEVIATION FROM STANDARD	20
5.4 TEST SETUP	20
5.5 EUT OPERATION CONDITIONS	20
5.6 TEST RESULTS	20
6 OUTPUT POWER TEST	21
6.1 APPLIED PROCEDURES / LIMIT	21
6.2 TEST PROCEDURE	21
6.3 DEVIATION FROM STANDARD	21
6.4 TEST SETUP	21
6.5 EUT OPERATION CONDITIONS	21
6.6 TEST RESULTS	21
7 POWER SPECTRAL DENSITY TEST	22
7.1 APPLIED PROCEDURES / LIMIT	22
7.2 TEST PROCEDURE	22
7.3 DEVIATION FROM STANDARD	22
7.4 TEST SETUP	22

7.5	EUT OPERATION CONDITIONS	22
7.6	TEST RESULTS	22
8	ANTENNA CONDUCTED SPURIOUS EMISSION	23
8.1	APPLIED PROCEDURES / LIMIT	23
8.2	TEST PROCEDURE	23
8.3	DEVIATION FROM STANDARD	23
8.4	TEST SETUP	23
8.5	EUT OPERATION CONDITIONS	23
8.6	TEST RESULTS	23
9	LIST OF MEASURING EQUIPMENTS	24
10	EUT TEST PHOTO	25
11	EUT PHOTOS	25
APPENDIX A	AC POWER LINE CONDUCTED EMISSIONS	26
APPENDIX B	RADIATED EMISSIONS - 9 KHZ TO 30 MHZ	31
APPENDIX C	RADIATED EMISSIONS - 30 MHZ TO 1 GHZ	36
APPENDIX D	RADIATED EMISSIONS - ABOVE 1 GHZ	41
APPENDIX E	BANDWIDTH	62
APPENDIX F	OUTPUT POWER	65
APPENDIX G	POWER SPECTRAL DENSITY TEST	67
APPENDIX H	ANTENNA CONDUCTED SPURIOUS EMISSION	69

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2607T082	R00	Original Report.	2026/9/18	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	Pass	-----
15.247(a)(2)	Bandwidth	APPENDIX E	Pass	-----
15.247(b)(3)	Output Power	APPENDIX F	Pass	-----
15.247(e)	Power Spectral Density	APPENDIX G	Pass	-----
15.247(d)	Antenna conducted Spurious Emission	APPENDIX H	Pass	-----
15.203	Antenna Requirement	-----	Pass	Note(2)

Statement of Conformity

The statement of conformity is based on the binary decision rule according to IEC Guide 115 and ILAC G8 "simple acceptance" principle. Without considering measurement uncertainty, its specific risk is less than 50% PFA. (PFA: Probability of False Accept)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) The report format version is TP.1.1.1.

1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 64, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC RN: 674415) (FCC DN: TW0659)

☒ C01 ☐ CB20

No. 68, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC RN: 674415) (FCC DN: TW0659)

☐ CB26 ☒ CB27

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC RN: 674415) (FCC DN: TW0659)

☐ C05 ☐ CB08 ☐ CB11 ☐ SR10 ☐ SR11
☒ TR06

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately **95 %**.

A. AC power line conducted emissions test:

Test Site	Measurement Frequency Range	U (dB)
C01	150 kHz ~ 30 MHz	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB27 (3m)	0.03 ~ 0.2	4.58
	0.2 ~ 1	5.07
	1 ~ 6	5.94
	6 ~ 18	5.60
	18 ~ 26	4.48
	26 ~ 40	4.75

C. Conducted test :

Test Item	U
Occupied Bandwidth	86 %
Output power	0.8412 dB
Power Spectral Density	0.8602 dB
Conducted Spurious emissions	1.8304 dB
Conducted Band edges	1.8338 dB

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	22 °C, 61 %	AC 120V	Benny Cao
Radiated emissions below 1 GHz	Refer to data	DC 5V	Benny Cao
Radiated emissions above 1 GHz	Refer to data	DC 5V	Benny Cao
Bandwidth	24.2 °C, 52 %	DC 5V	Easton Tsai
Output Power	24.2 °C, 52 %	DC 5V	Easton Tsai
Power Spectral Density	24.2 °C, 52 %	DC 5V	Easton Tsai
Antenna conducted Spurious Emission	24.2 °C, 52 %	DC 5V	Easton Tsai

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

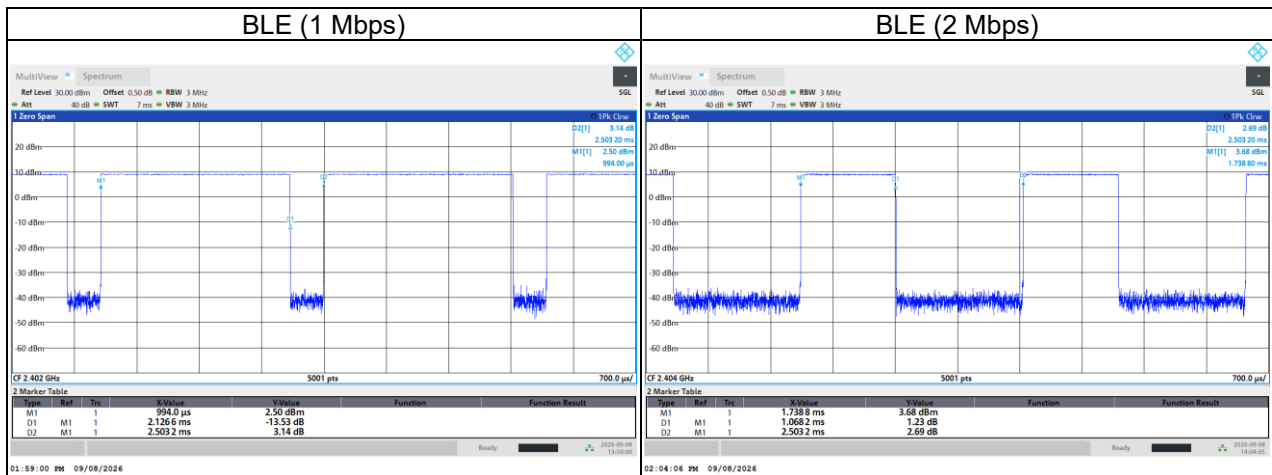
Test Software Version	AB158x_Airoha_Tool_Kit(ATK)_v5.6.0.4			
Mode	2402 MHz	2440 MHz	2480 MHz	Data Rate
BLE (1 Mbps)	48	48	48	1 Mbps
Mode	2404 MHz	2440 MHz	2478 MHz	Data Rate
BLE (2 Mbps)	48	48	48	2 Mbps

1.5 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
BLE (1 Mbps)	2.127	1	2.127	2.503	84.96%	0.71
BLE (2 Mbps)	1.068	1	1.068	2.503	42.67%	3.70



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Digital Wireless Stereo Earphones
Model Name	EAH-AZ200
Brand Name	Technics
Model Difference	N/A
Power Source	DC Voltage supplied from USB Type-C port.
Power Rating	DC IN 5V ---
Products Covered	1 * USB Cable(Type-C – Type-C)
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	1 Mbps: 2402 MHz ~ 2480 MHz 2 Mbps: 2404 MHz ~ 2478 MHz
Modulation Technology	GFSK
Transfer Rate	1 Mbps, 2 Mbps
Output Power Max.	1 Mbps: 9.48 dBm (0.0089 W) 2 Mbps: 9.48 dBm (0.0089 W)
Test Model	EAH-AZ200
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Channel List:

1 Mbps

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

2 Mbps

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

(3) Table for Filed Antenna:

Antenna	Manufacturer	Model number	Type	Connector	Frequency Range (MHz)	Gain (dBi)
1	Suiwa High Technology Electronic Industries (Xiamen) Co.,Ltd.	Inverted-F Antenna	FPCB Antenna	N/A	2400 ~ 2483.5	-0.7

(4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal	-	Right
	Normal	-	-
Transmitter Radiated Emissions (below 1GHz)	1 Mbps	00	-
	Normal	-	-
Transmitter Radiated Emissions (above 1GHz)	1 Mbps	00/19/39	Bandedge
	2 Mbps	01/19/38	
	1 Mbps	00/19/39	Harmonic
	2 Mbps	01/19/38	
Transmitter Radiated Emissions (above 18GHz)	1 Mbps	00	-
Bandwidth	1 Mbps	00/19/39	-
	2 Mbps	01/19/38	
Output Power	1 Mbps	00/19/39	-
	2 Mbps	01/19/38	
Power Spectral Density	1 Mbps	00/19/39	-
	2 Mbps	01/19/38	
Antenna conducted Spurious Emission	1 Mbps	00/19/39	-
	2 Mbps	01/19/38	

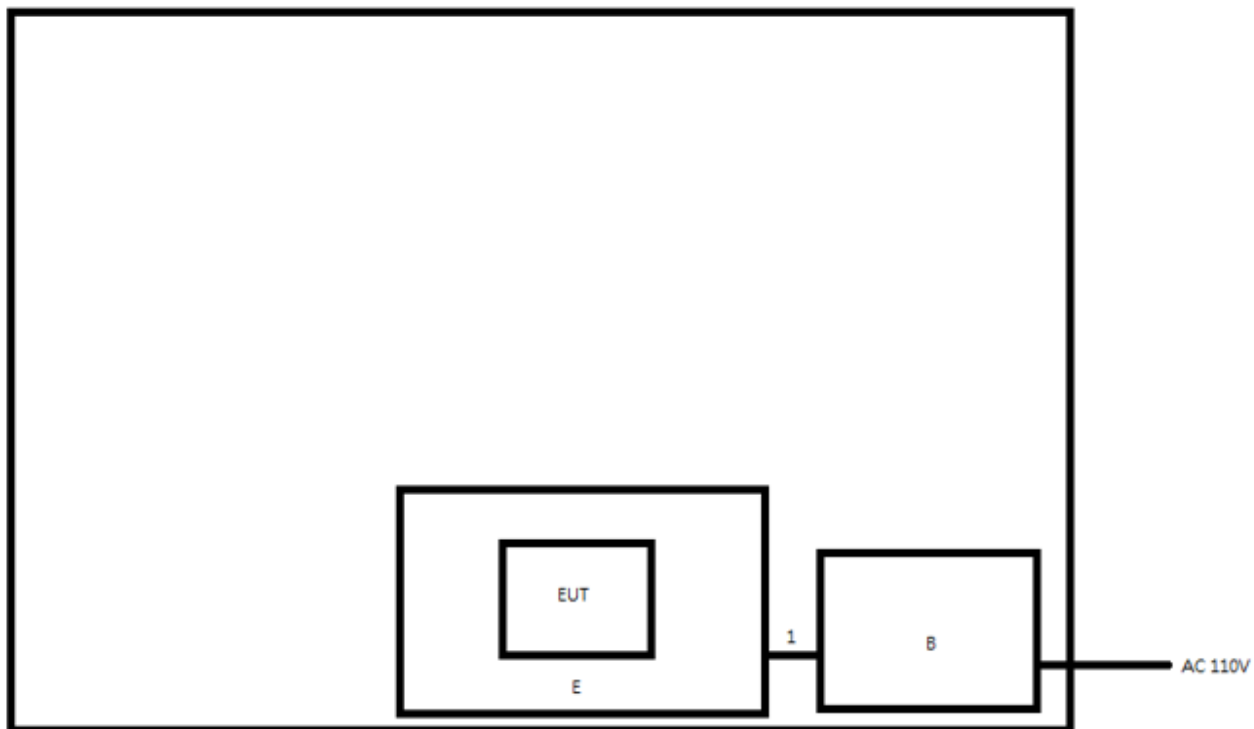
NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.

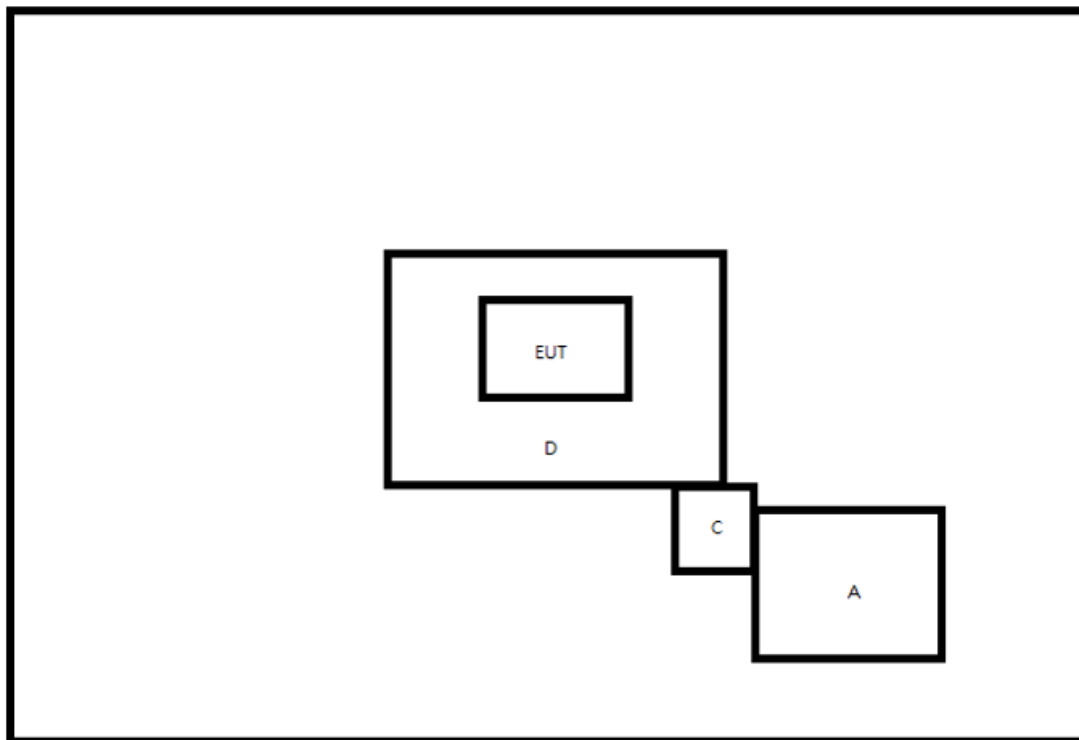
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

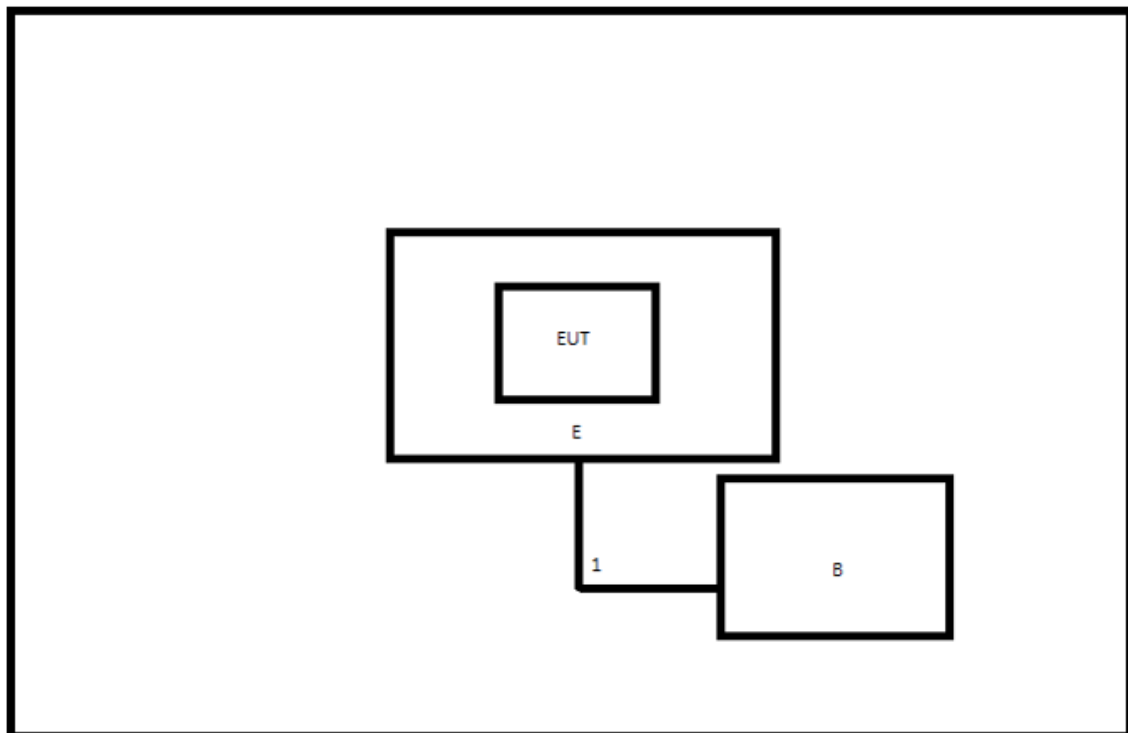
AC power line conducted emissions



Radiated Emissions



Normal



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Notebook	Lenovo	ThinkBook 14 G6 IRL	PW0ALQBM	Furnished by test lab.
B	Adapter	XIAOMI	AD652G	36012/BYAF2F3 NE01164	Furnished by test lab.
C	JIG for conversion between USB and UART	DSD Tech	SH-U06A	N/A	Supplied by test requester
D	EarBud Fixing jig	Panasonic	EarBud-JIG-AZ100	N/A	Supplied by test requester
E	Charging Box	Panasonic	EAH-AZ200	N/A	Supplied by test requester

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	0.22m	USB Cable Type-C -Type-C	Supplied by test requester

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
 Margin Level = Measurement Value – Limit Value
 Calculation example:

Reading Level (dBμV)		Correct Factor (dB)		Measurement Value (dBμV)
38.22	+	3.45	=	41.67

Measurement Value (dBμV)		Limit Value (dBμV)		Margin Level (dB)
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
 All other support equipment were powered from an additional LISN(s).
 The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
 The end of the cable will be terminated, using the correct terminating impedance.
 The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

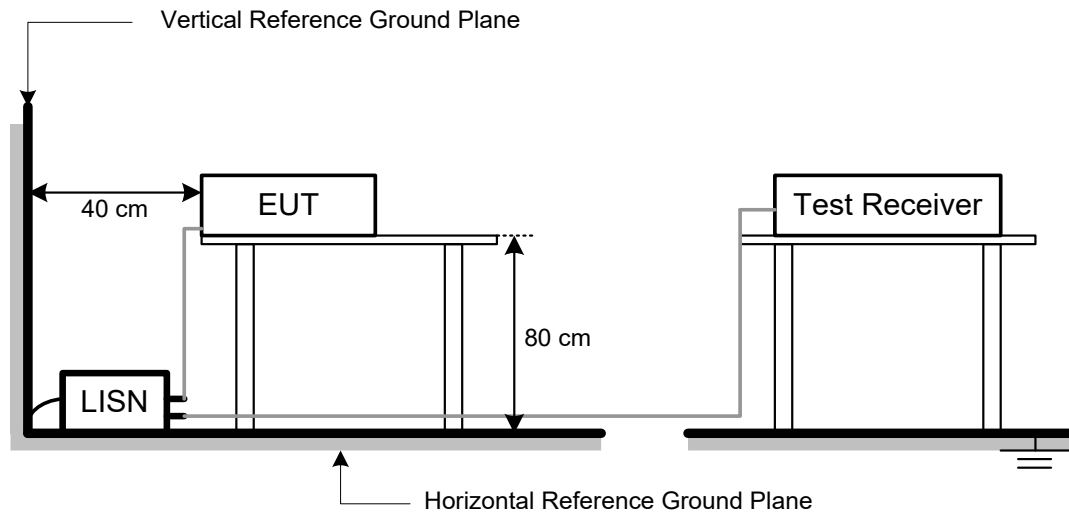
NOTE:

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used.
 BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

3.6 TEST RESULT

Please refer to the APPENDIX A.

4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level (dBuV)		Correct Factor (dB/m)		Measurement Value (dBuV/m)
41.91	+	-8.36	=	33.55

Measurement Value (dBuV/m)		Limit Value (dBuV/m)		Margin Level (dB)
33.55	-	43.50	=	-9.95

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

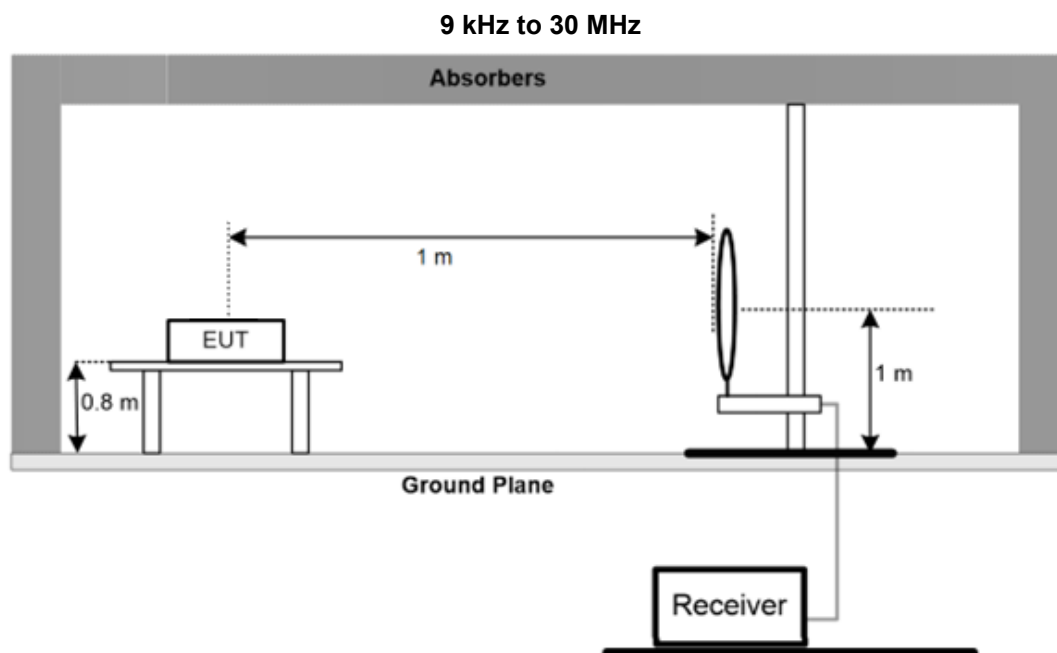
4.2 TEST PROCEDURE

- The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

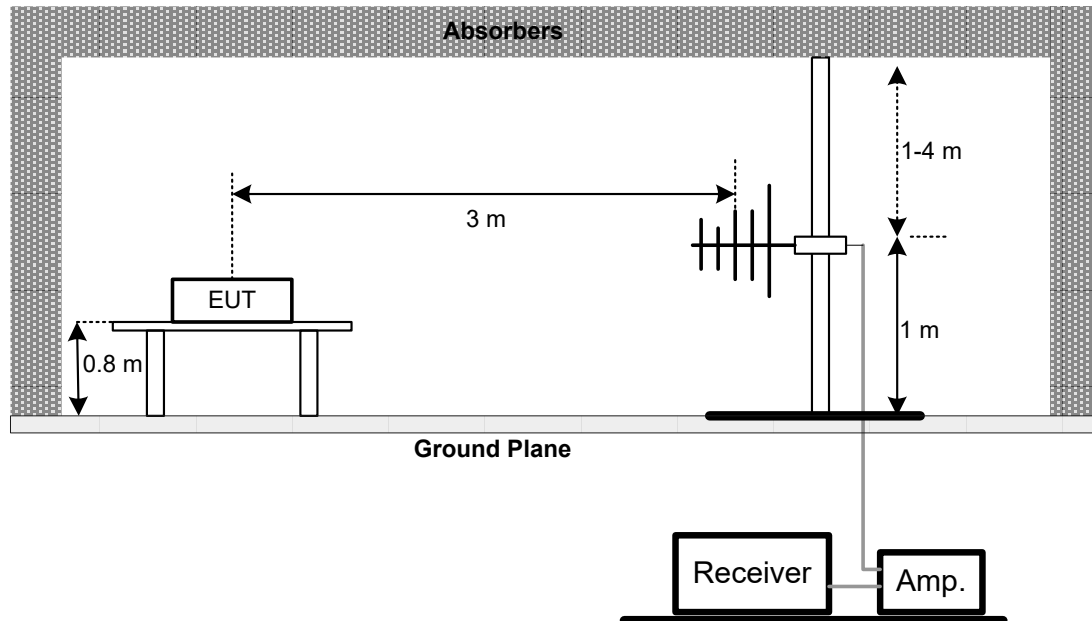
4.3 DEVIATION FROM TEST STANDARD

No deviation.

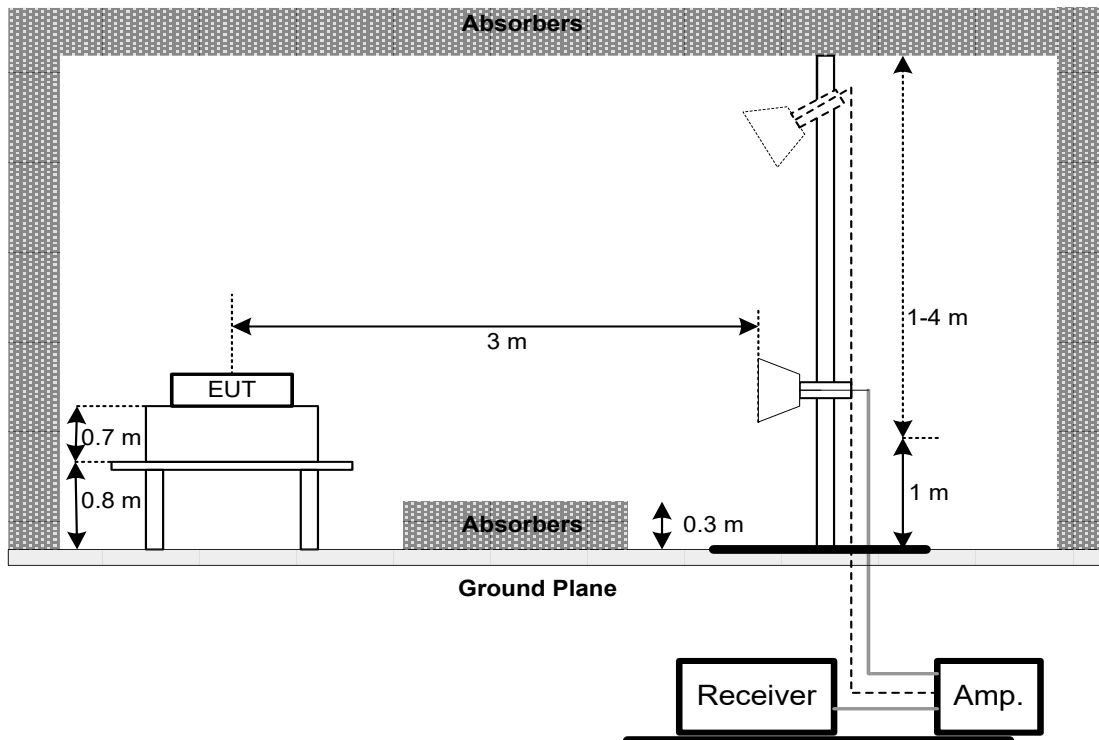
4.4 TEST SETUP



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX C.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX D.

NOTE:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5 BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

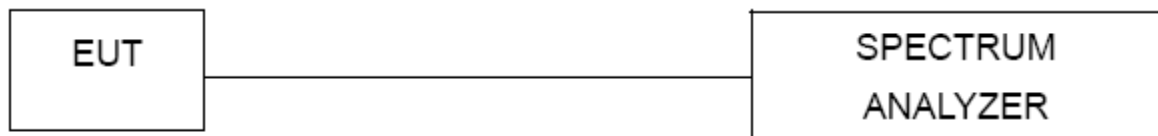
5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6 OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS

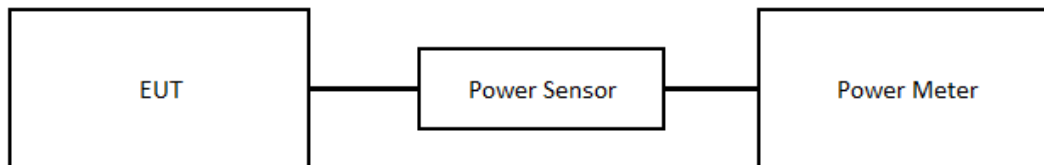
6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7 POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8 ANTENNA CONDUCTED SPURIOUS EMISSION

8.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 10 ms.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	EMC Receiver	keysight	N9038A	MY56400087	2025/12/18	2026/12/17
2	Test Cable	EMCI	EMCRG58-BM-B M-9000	210501	2025/12/2	2026/12/1
3	Two-Line V-Network	R&S	ENV216	101051	2026/7/1	2027/6/30
4	Measurement Software	Farad	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Broad-Band Horn Antenna	RFSPIN	DRH0844	KV2E23A0844	2026/5/25	2027/5/24
2	Pre-Amplifier	EMCI	EMC184045SE	981183	2026/6/2	2027/6/1
3	Test Cable	EMCI	EMC101G-KM-K M-3000	260502	2026/5/20	2027/5/19
4	Test Cable	EMCI	EMC101G-KM-K M-1000	260501	2026/5/20	2027/5/19
5	Spectrum Analyzer	Keysight	N9020B	MY59050134	2025/10/8	2026/10/7
6	Broad-Band Horn Antenna	RFSPIN	DRH-18E	DU2E09A18ES	2026/5/20	2027/5/19
7	Pre-Amplifier	EMCI	EMC118A45SE	981179	2026/6/2	2027/6/1
8	Pre-Amplifier	EMCI	EMC001330	980807	2026/2/24	2027/2/23
9	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06035	2026/7/7	2027/7/6
10	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1805	2026/5/27	2027/5/26
11	Loop Antenna	SCHWARZBECK	FMZB 1519-60 D	1519-60 D-223	2026/6/3	2027/6/2
12	Test Cable	EMCI	EMC104HS-SM- SM-7000	2603111	2026/3/9	2027/3/8
13	Test Cable	EMCI	EMC104HS-SM- SM-1000	260308	2026/3/9	2027/3/8
14	Test Cable	EMCI	EMC104HS-SM- SM-3000	260310	2026/3/9	2027/3/8
15	Test Cable	EMCI	EMC104HS-SM- SM-7000	260312	2026/7/1	2027/6/30
16	Test Cable	EMCI	EMC104HS-SM- SM-3000	260309	2026/3/9	2027/3/8
17	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Single Channel Pk Power Meter	Keysight	N1911A	MY63450010	2025/9/16	2026/9/15
2	Peak and Average Power Sensor	Keysight	E9327	MY63310007	2025/9/16	2026/9/15
3	Spectrum Analyzer	R&S	FSV 3044	101524	2026/6/24	2027/6/23

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.
All calibration period of equipment list is one year.

10 EUT TEST PHOTO

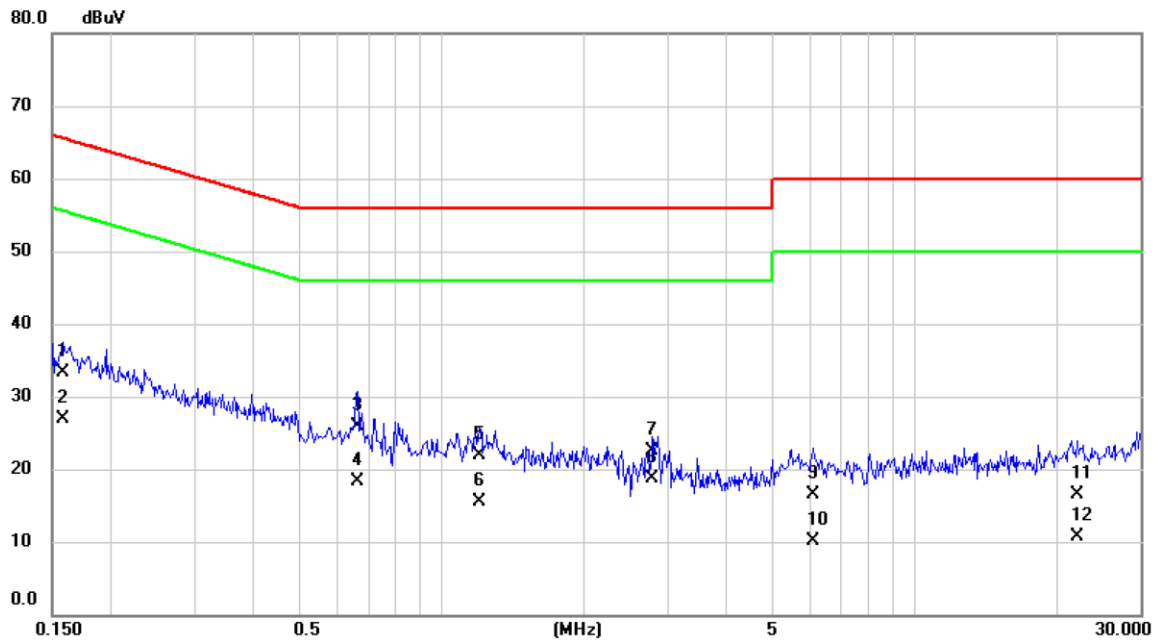
Please refer to document Appendix No.: TP-2607T082-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2607T082-3 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal(Right)	Tested Date	2026/8/11
Test Frequency	-	Phase	Line

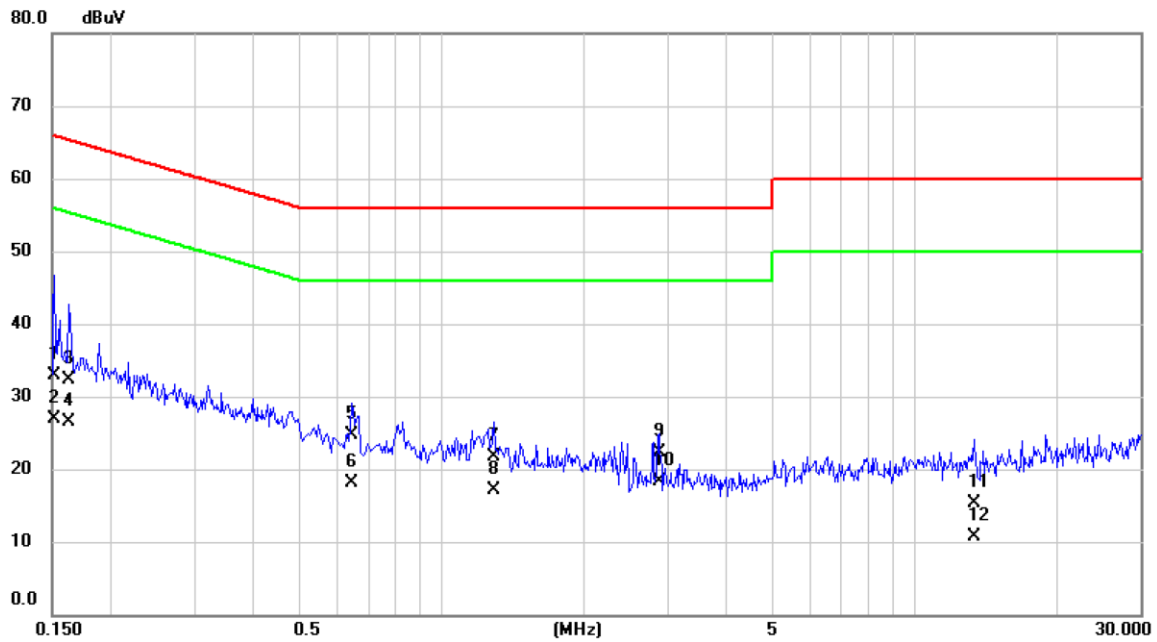


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1584	23.75	9.65	33.40	65.55	-32.15	QP	
2		0.1584	17.29	9.65	26.94	55.55	-28.61	AVG	
3		0.6620	16.29	9.69	25.98	56.00	-30.02	QP	
4		0.6620	8.53	9.69	18.22	46.00	-27.78	AVG	
5		1.1975	12.13	9.74	21.87	56.00	-34.13	QP	
6		1.1975	5.86	9.74	15.60	46.00	-30.40	AVG	
7		2.7905	12.63	9.86	22.49	56.00	-33.51	QP	
8	*	2.7905	8.75	9.86	18.61	46.00	-27.39	AVG	
9		6.1000	6.53	9.96	16.49	60.00	-43.51	QP	
10		6.1000	0.14	9.96	10.10	50.00	-39.90	AVG	
11		22.0250	6.05	10.51	16.56	60.00	-43.44	QP	
12		22.0250	0.20	10.51	10.71	50.00	-39.29	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Normal(Right)	Tested Date	2026/8/11
Test Frequency	-	Phase	Neutral

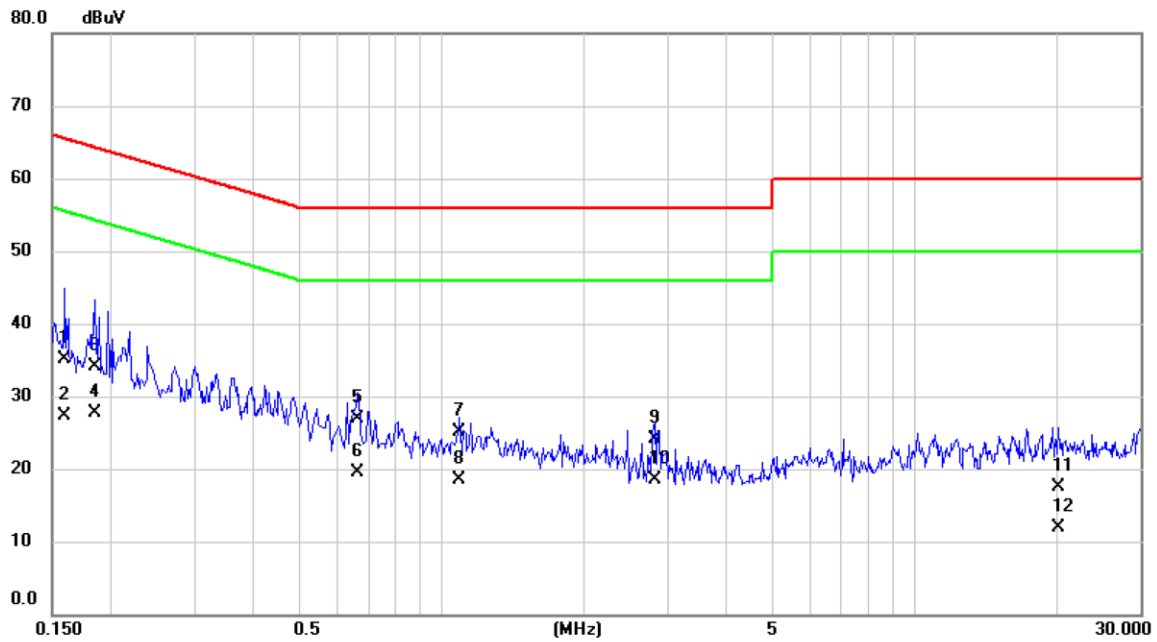


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1514	23.48	9.44	32.92	65.92	-33.00	QP	
2		0.1514	17.53	9.44	26.97	55.92	-28.95	AVG	
3		0.1626	22.80	9.44	32.24	65.33	-33.09	QP	
4		0.1626	17.10	9.44	26.54	55.33	-28.79	AVG	
5		0.6440	15.21	9.52	24.73	56.00	-31.27	QP	
6		0.6440	8.49	9.52	18.01	46.00	-27.99	AVG	
7		1.2875	12.20	9.58	21.78	56.00	-34.22	QP	
8		1.2875	7.52	9.58	17.10	46.00	-28.90	AVG	
9		2.8760	12.58	9.68	22.26	56.00	-33.74	QP	
10	*	2.8760	8.64	9.68	18.32	46.00	-27.68	AVG	
11		13.3750	5.21	10.19	15.40	60.00	-44.60	QP	
12		13.3750	0.61	10.19	10.80	50.00	-39.20	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	Normal	Tested Date	2026/8/11
Test Frequency	-	Phase	Line

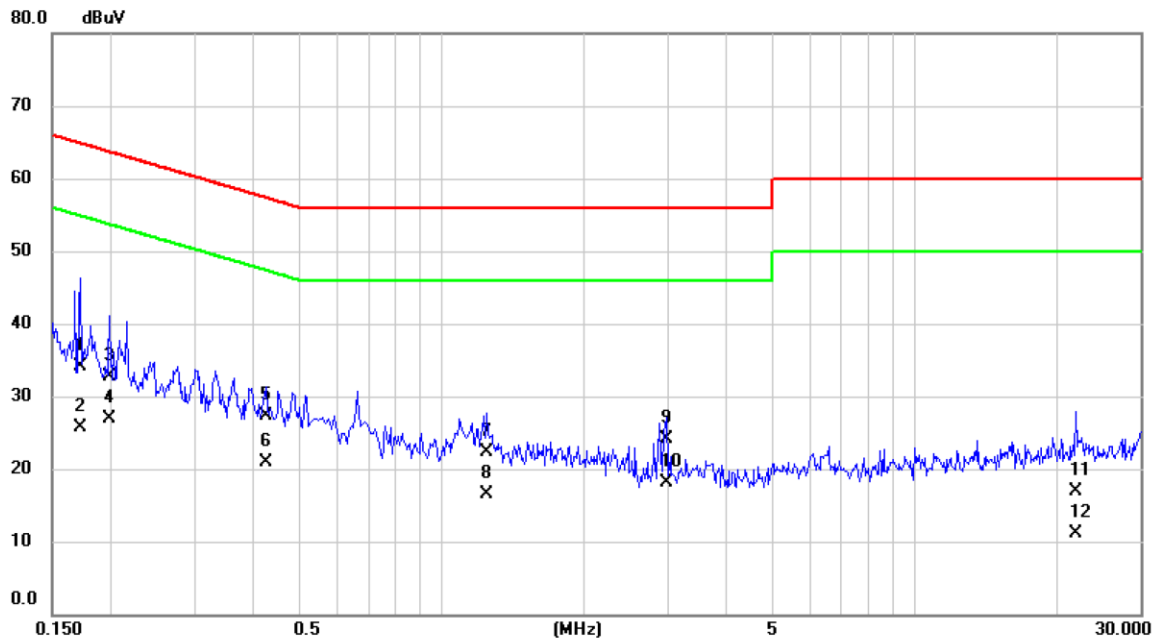


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1594	25.50	9.65	35.15	65.50	-30.35	QP	
2		0.1594	17.62	9.65	27.27	55.50	-28.23	AVG	
3		0.1846	24.52	9.66	34.18	64.28	-30.10	QP	
4	*	0.1846	18.07	9.66	27.73	54.28	-26.55	AVG	
5		0.6620	17.18	9.69	26.87	56.00	-29.13	QP	
6		0.6620	9.73	9.69	19.42	46.00	-26.58	AVG	
7		1.0895	15.34	9.73	25.07	56.00	-30.93	QP	
8		1.0895	8.83	9.73	18.56	46.00	-27.44	AVG	
9		2.8175	14.32	9.86	24.18	56.00	-31.82	QP	
10		2.8175	8.56	9.86	18.42	46.00	-27.58	AVG	
11		20.1750	7.05	10.52	17.57	60.00	-42.43	QP	
12		20.1750	1.41	10.52	11.93	50.00	-38.07	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Normal	Tested Date	2026/8/11
Test Frequency	-	Phase	Neutral



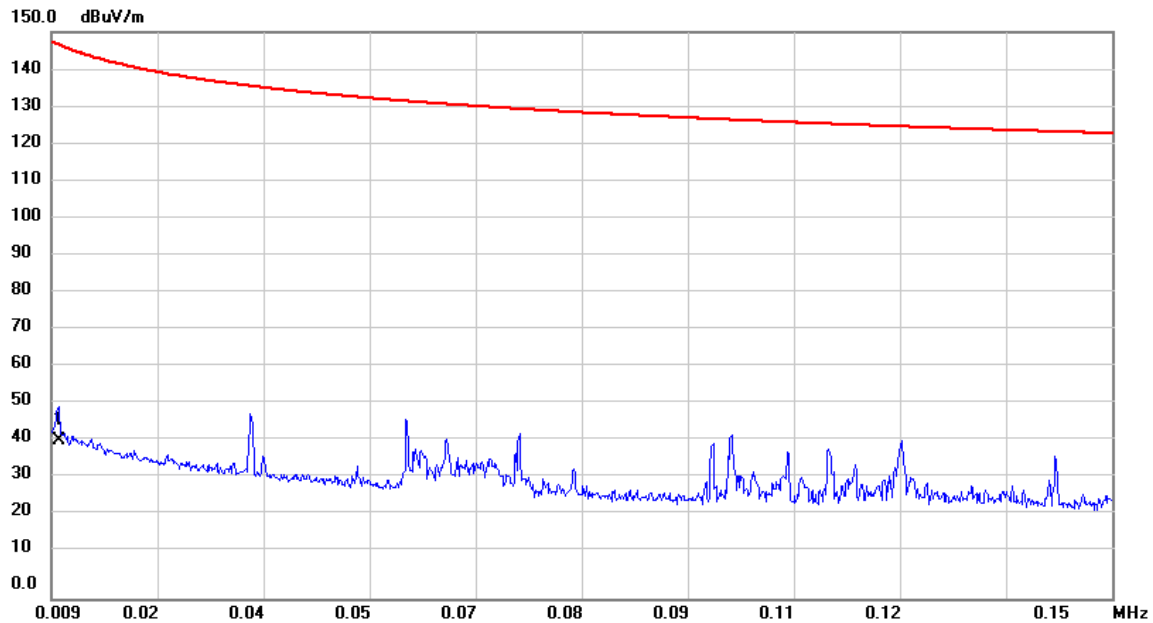
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1716	24.58	9.44	34.02	64.88	-30.86	QP	
2		0.1716	16.22	9.44	25.66	54.88	-29.22	AVG	
3		0.1982	23.21	9.44	32.65	63.69	-31.04	QP	
4		0.1982	17.42	9.44	26.86	53.69	-26.83	AVG	
5		0.4261	17.73	9.50	27.23	57.33	-30.10	QP	
6	*	0.4261	11.36	9.50	20.86	47.33	-26.47	AVG	
7		1.2424	12.65	9.58	22.23	56.00	-33.77	QP	
8		1.2424	6.96	9.58	16.54	46.00	-29.46	AVG	
9		2.9795	14.33	9.69	24.02	56.00	-31.98	QP	
10		2.9795	8.44	9.69	18.13	46.00	-27.87	AVG	
11		21.9500	6.29	10.63	16.92	60.00	-43.08	QP	
12		21.9500	0.50	10.63	11.13	50.00	-38.87	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B RADIATED EMISSIONS - 9 KHZ TO 30 MHZ

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/10
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	66 %

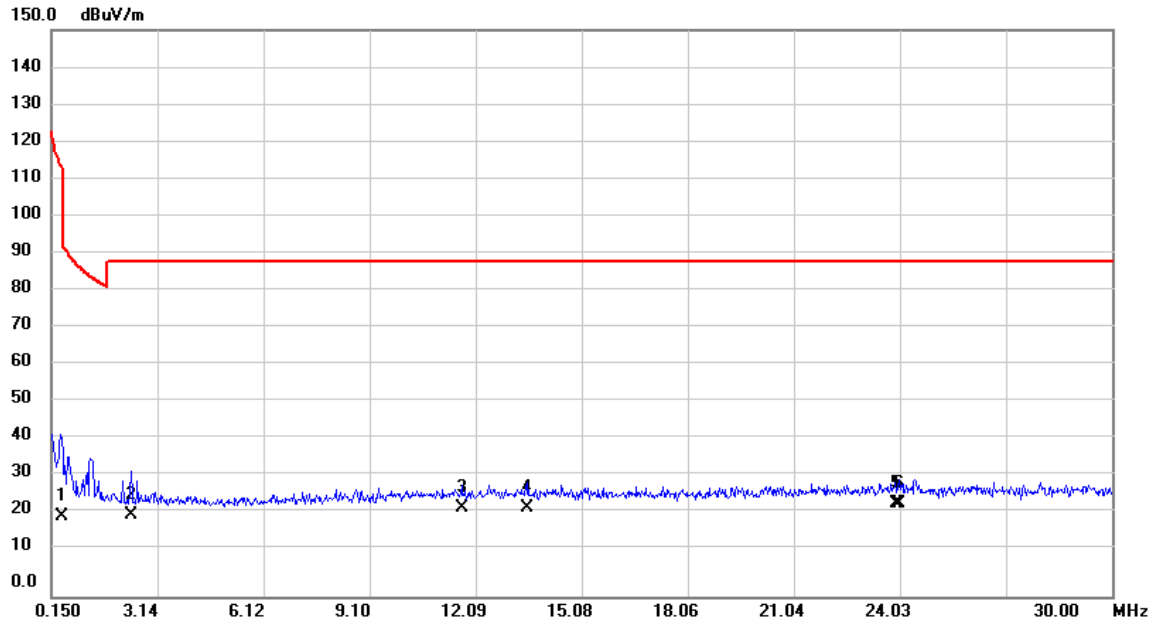


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0100	24.77	16.95	41.72	146.68	-104.96	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/10
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	66 %



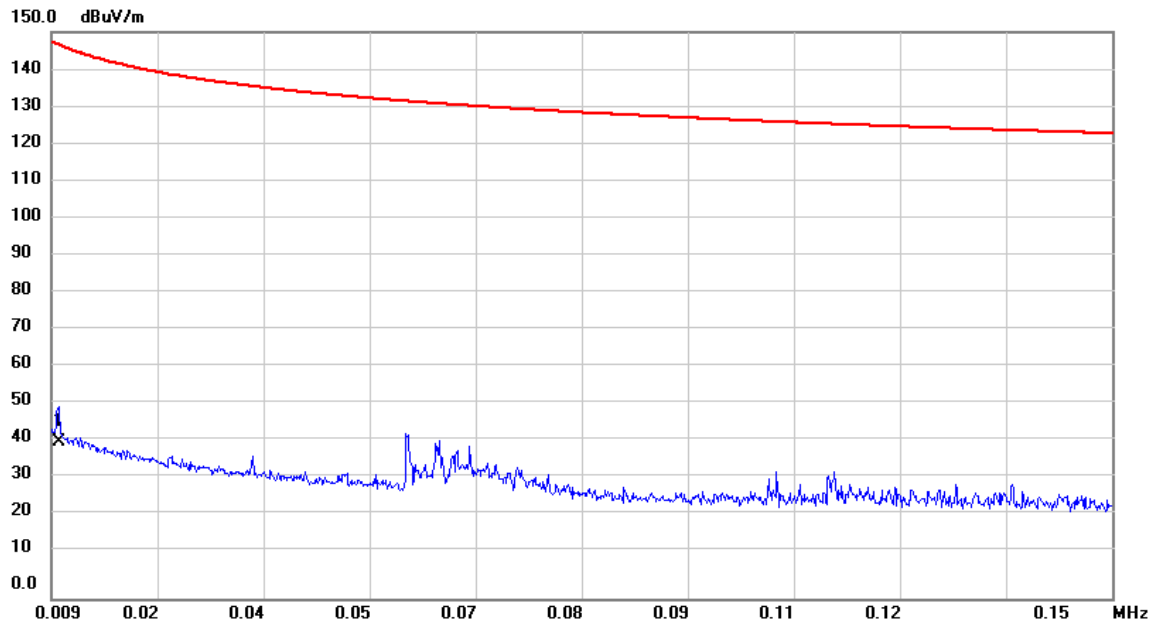
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	1.59	19.62	21.21	113.65	-92.44	AVG	
2		2.3887	1.51	19.94	21.45	88.62	-67.17	QP	
3		11.7020	1.65	21.95	23.60	88.62	-65.02	QP	
4		13.5526	1.37	22.15	23.52	88.62	-65.10	QP	
5	*	23.9106	1.66	22.98	24.64	88.62	-63.98	QP	
6		24.0002	1.52	22.98	24.50	88.62	-64.12	QP	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/10
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	66 %

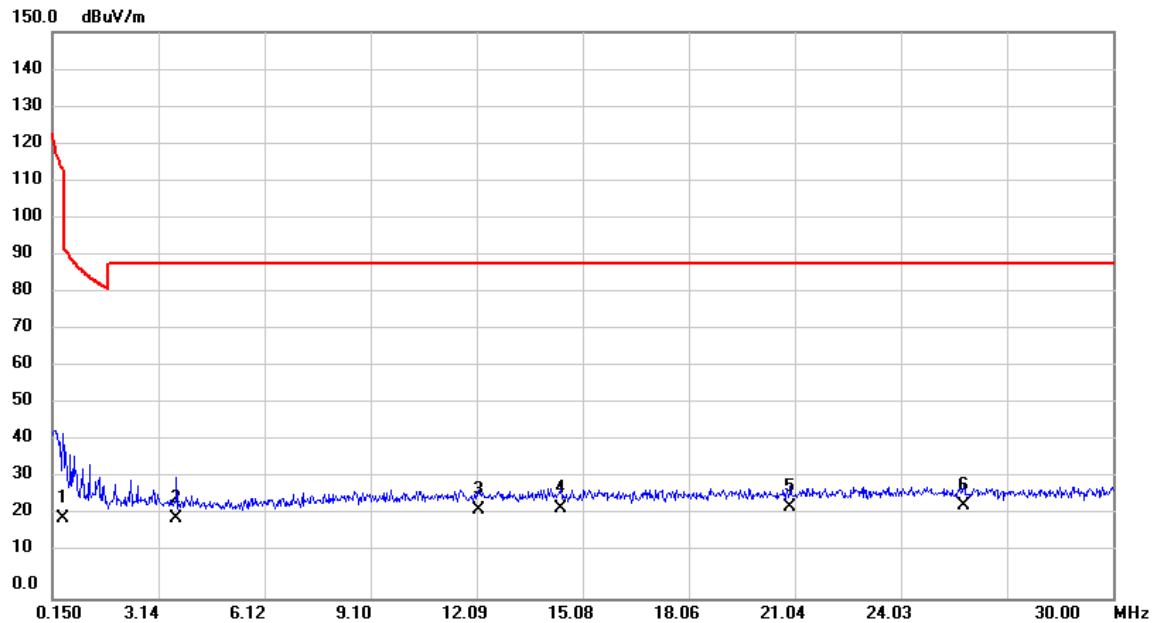


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0100	24.59	16.95	41.54	146.68	-105.14	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/10
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	66 %



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	1.43	19.62	21.05	113.65	-92.60	AVG	
2		3.6425	1.34	19.99	21.33	88.62	-67.29	QP	
3		12.1497	1.58	22.00	23.58	88.62	-65.04	QP	
4		14.4482	1.66	22.24	23.90	88.62	-64.72	QP	
5		20.9255	1.22	22.88	24.10	88.62	-64.52	QP	
6	*	25.7911	1.69	23.04	24.73	88.62	-63.89	QP	

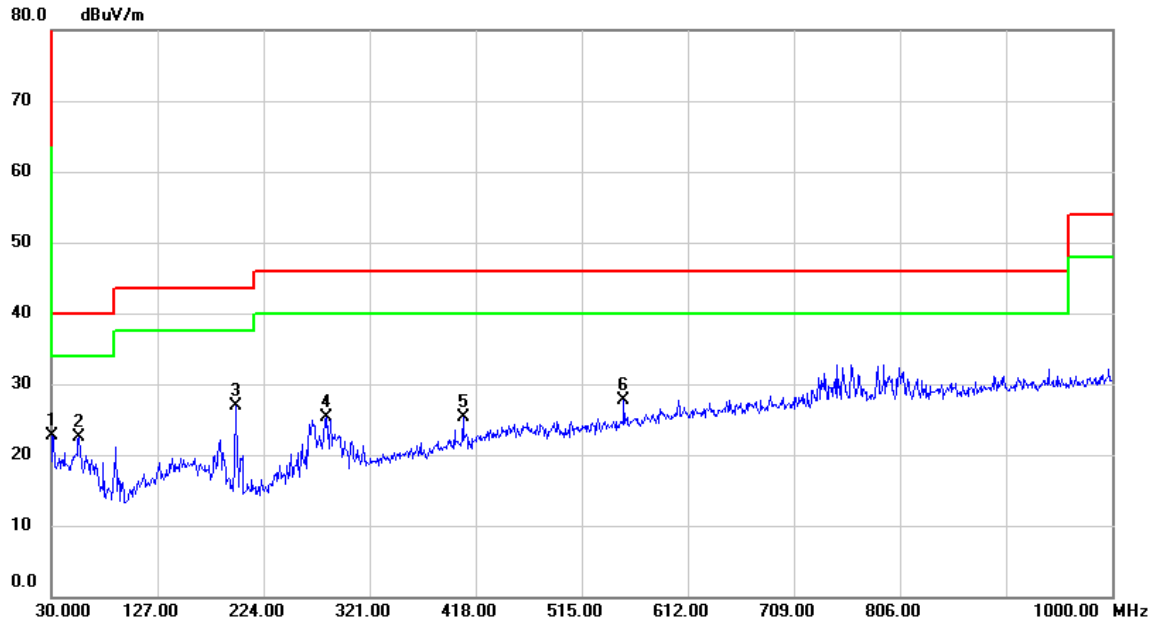
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/10
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	66 %

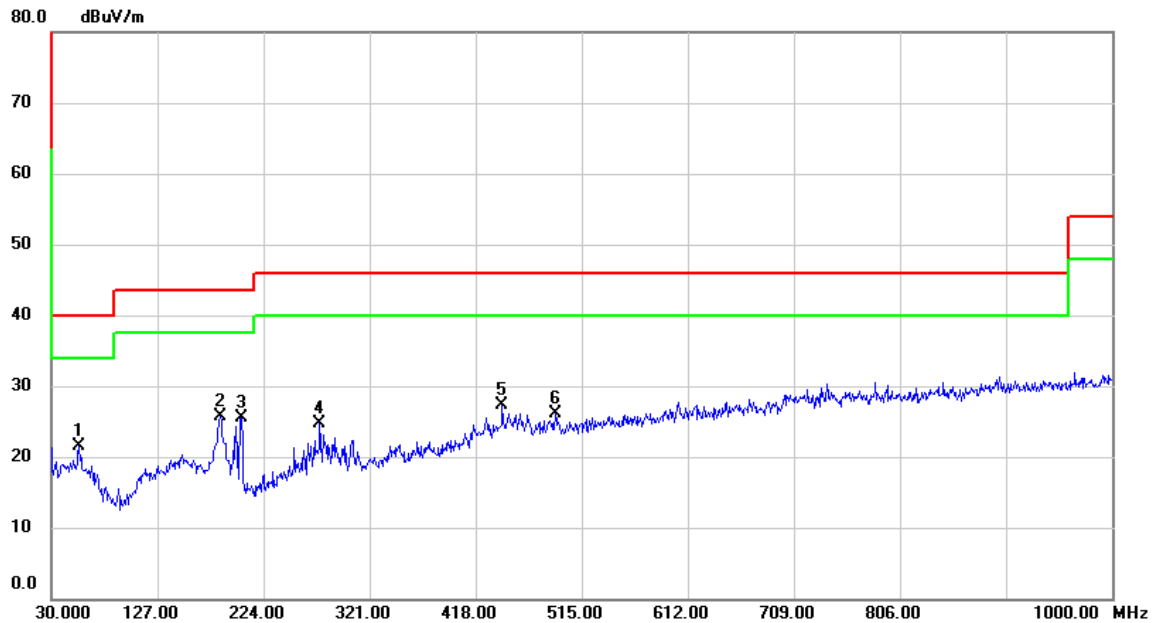


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		30.0000	34.98	-12.26	22.72	40.00	-17.28	peak	
2		55.2200	33.58	-11.11	22.47	40.00	-17.53	peak	
3	*	198.7800	40.83	-13.85	26.98	43.50	-16.52	peak	
4		281.2300	36.06	-10.80	25.26	46.00	-20.74	peak	
5		406.3600	32.76	-7.45	25.31	46.00	-20.69	peak	
6		553.8000	32.14	-4.36	27.78	46.00	-18.22	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/10
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	66 %



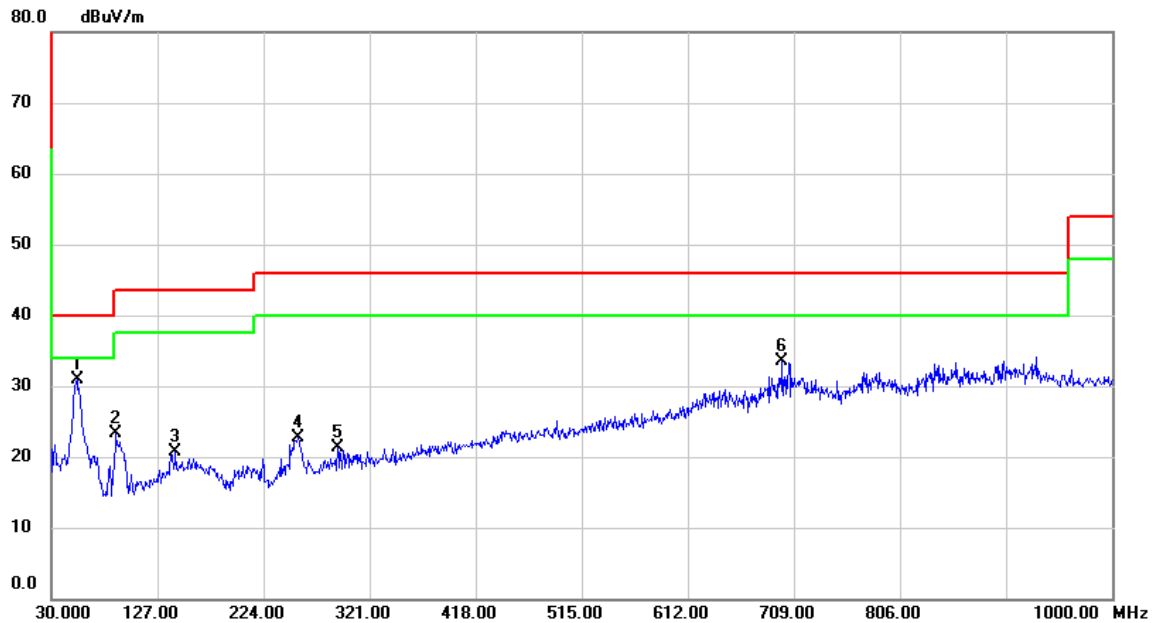
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		55.2200	32.56	-11.11	21.45	40.00	-18.55	peak	
2	*	184.2300	38.47	-12.77	25.70	43.50	-17.80	peak	
3		203.6300	39.59	-14.01	25.58	43.50	-17.92	peak	
4		275.4100	35.70	-11.04	24.66	46.00	-21.34	peak	
5		442.2500	33.81	-6.44	27.37	46.00	-18.63	peak	
6		490.7500	31.58	-5.51	26.07	46.00	-19.93	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	Normal	Test Date	2026/8/10
Test Frequency		Polarization	Vertical
Temp	25°C	Hum.	66 %

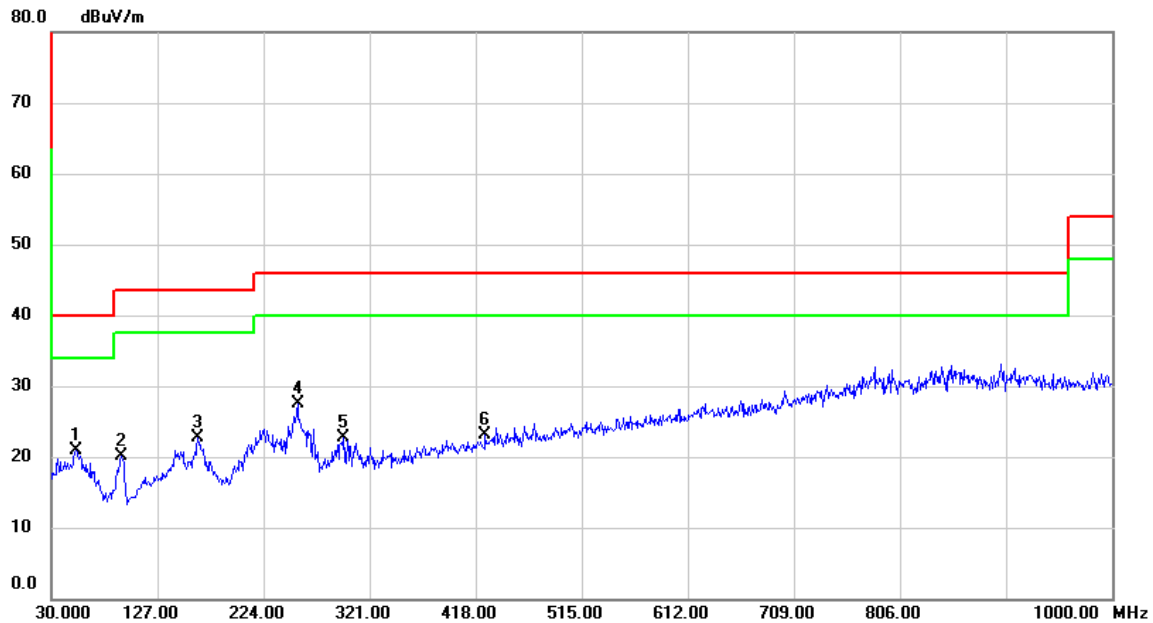


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	53.2800	41.99	-11.00	30.99	40.00	-9.01	peak	
2		89.1700	40.07	-16.83	23.24	43.50	-20.26	peak	
3		143.4900	31.85	-11.17	20.68	43.50	-22.82	peak	
4		256.0100	34.65	-11.86	22.79	46.00	-23.21	peak	
5		291.9000	31.79	-10.45	21.34	46.00	-24.66	peak	
6		698.3300	35.27	-1.76	33.51	46.00	-12.49	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	Normal	Test Date	2026/8/10
Test Frequency		Polarization	Horizontal
Temp	25°C	Hum.	66 %



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		52.3100	31.89	-10.95	20.94	40.00	-19.06	peak	
2		94.0200	36.59	-16.46	20.13	43.50	-23.37	peak	
3		163.8600	33.71	-10.93	22.78	43.50	-20.72	peak	
4	*	255.0400	39.31	-11.90	27.41	46.00	-18.59	peak	
5		296.7500	33.11	-10.33	22.78	46.00	-23.22	peak	
6		426.7300	29.97	-6.87	23.10	46.00	-22.90	peak	

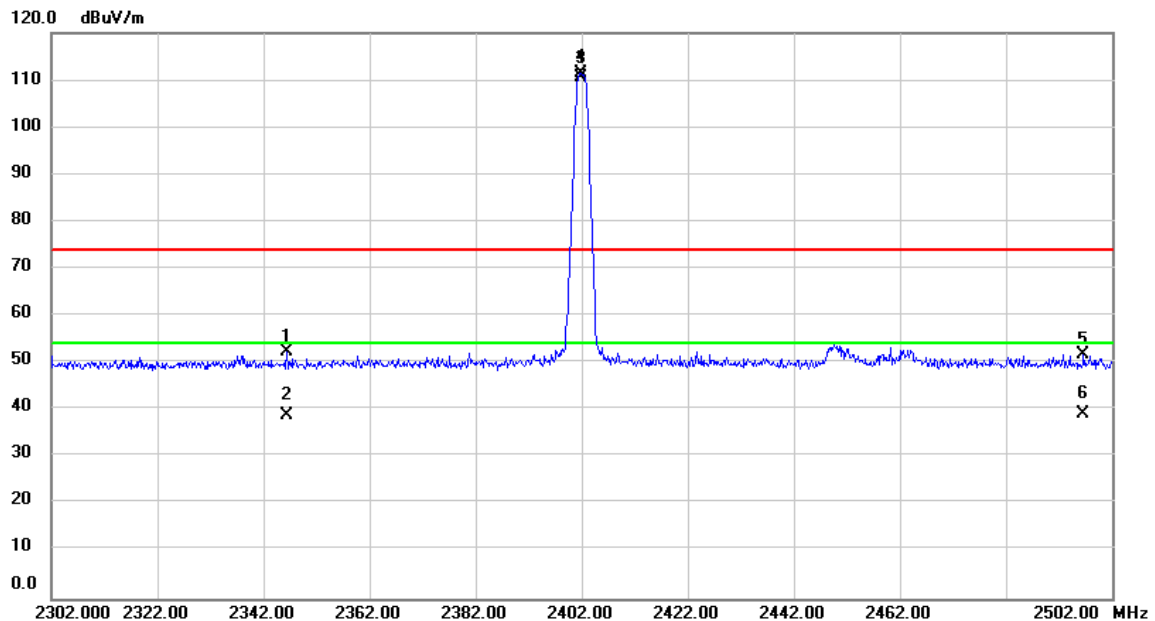
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2402MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



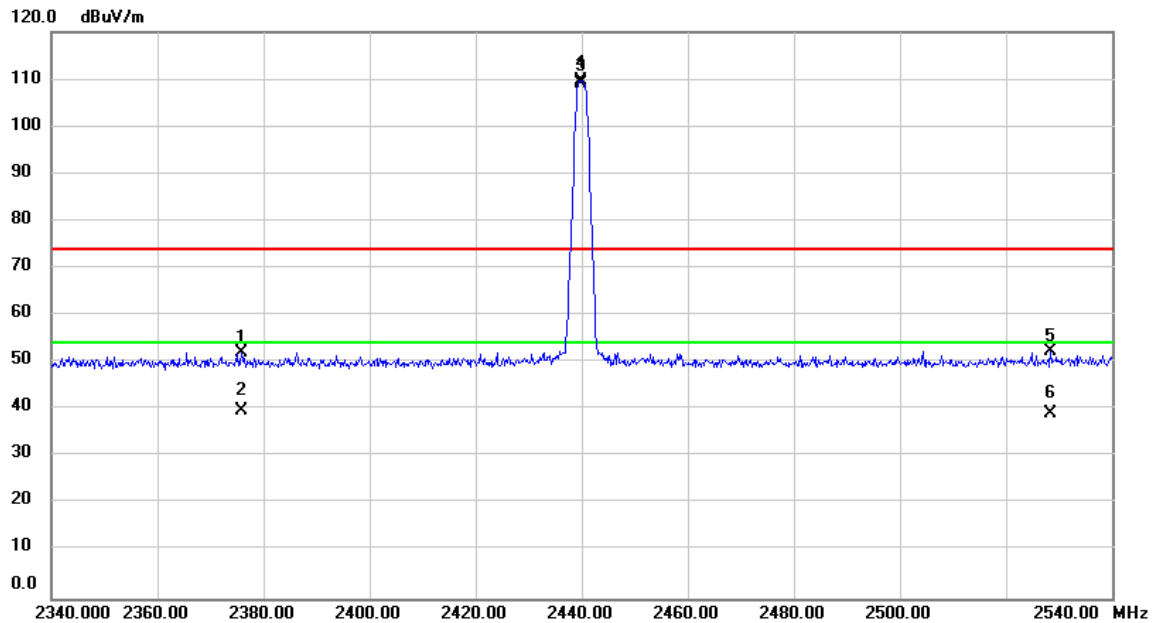
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2346.400	44.97	7.37	52.34	74.00	-21.66	peak	
2		2346.400	31.58	7.37	38.95	54.00	-15.05	AVG	
3	X	2401.800	103.88	7.47	111.35	74.00	37.35	peak	No Limit
4	*	2401.800	103.16	7.47	110.63	54.00	56.63	AVG	No Limit
5		2496.600	44.11	7.63	51.74	74.00	-22.26	peak	
6		2496.600	31.38	7.63	39.01	54.00	-14.99	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2440MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



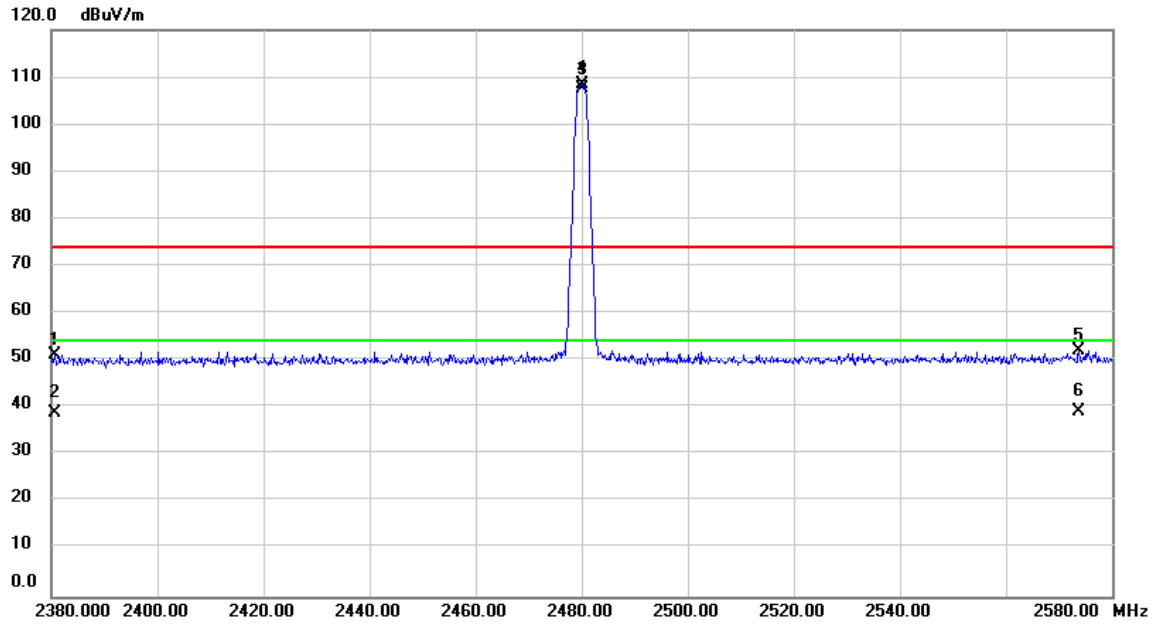
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2375.800	44.73	7.43	52.16	74.00	-21.84	peak	
2		2375.800	32.33	7.43	39.76	54.00	-14.24	AVG	
3	X	2439.800	102.15	7.53	109.68	74.00	35.68	peak	No Limit
4	*	2439.800	101.43	7.53	108.96	54.00	54.96	AVG	No Limit
5		2528.400	44.64	7.77	52.41	74.00	-21.59	peak	
6		2528.400	31.25	7.77	39.02	54.00	-14.98	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2480MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



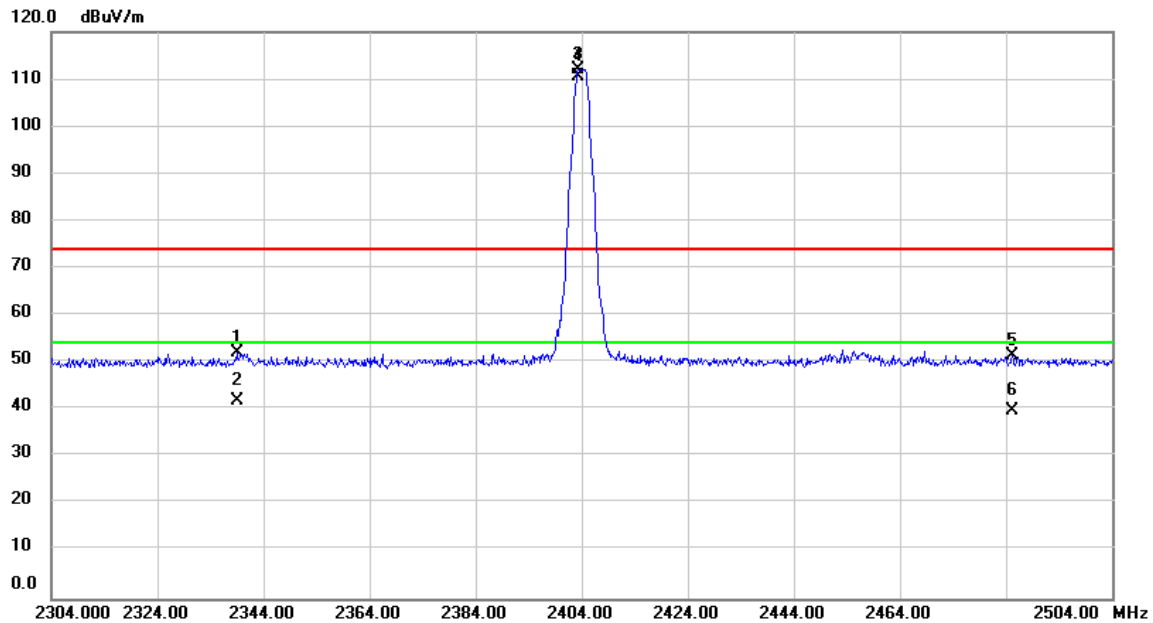
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.600	43.81	7.43	51.24	74.00	-22.76	peak	
2		2380.600	31.35	7.43	38.78	54.00	-15.22	AVG	
3	X	2480.200	100.72	7.60	108.32	74.00	34.32	peak	No Limit
4	*	2480.200	100.06	7.60	107.66	54.00	53.66	AVG	No Limit
5		2573.800	44.17	7.98	52.15	74.00	-21.85	peak	
6		2573.800	31.27	7.98	39.25	54.00	-14.75	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2404MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



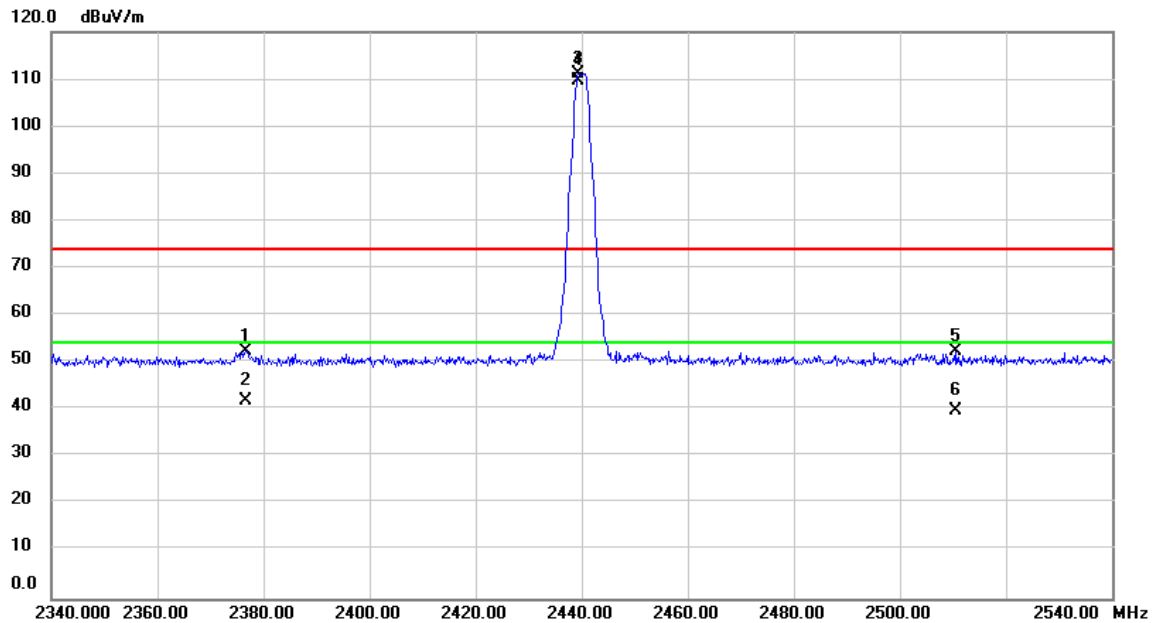
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2339.000	44.60	7.35	51.95	74.00	-22.05	peak	
2		2339.000	34.50	7.35	41.85	54.00	-12.15	AVG	
3	X	2403.400	104.68	7.47	112.15	74.00	38.15	peak	No Limit
4	*	2403.400	103.05	7.47	110.52	54.00	56.52	AVG	No Limit
5		2485.200	43.80	7.60	51.40	74.00	-22.60	peak	
6		2485.200	32.04	7.60	39.64	54.00	-14.36	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2440MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



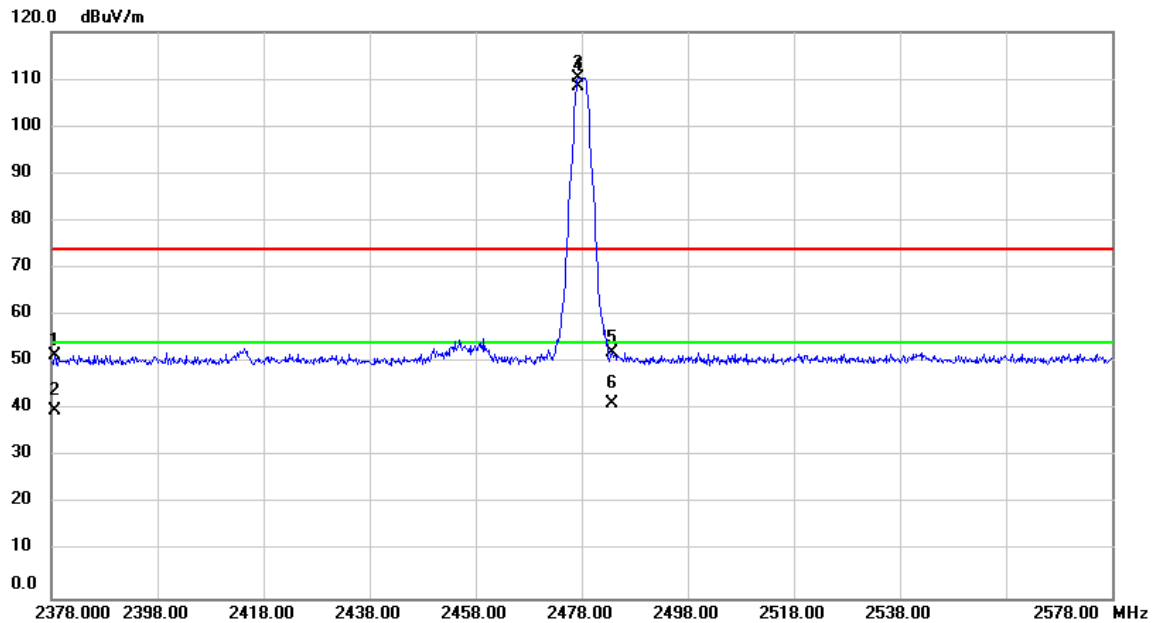
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2376.600	44.87	7.43	52.30	74.00	-21.70	peak	
2		2376.600	34.49	7.43	41.92	54.00	-12.08	AVG	
3	X	2439.400	103.76	7.53	111.29	74.00	37.29	peak	No Limit
4	*	2439.400	102.10	7.53	109.63	54.00	55.63	AVG	No Limit
5		2510.600	44.62	7.68	52.30	74.00	-21.70	peak	
6		2510.600	31.98	7.68	39.66	54.00	-14.34	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2478MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



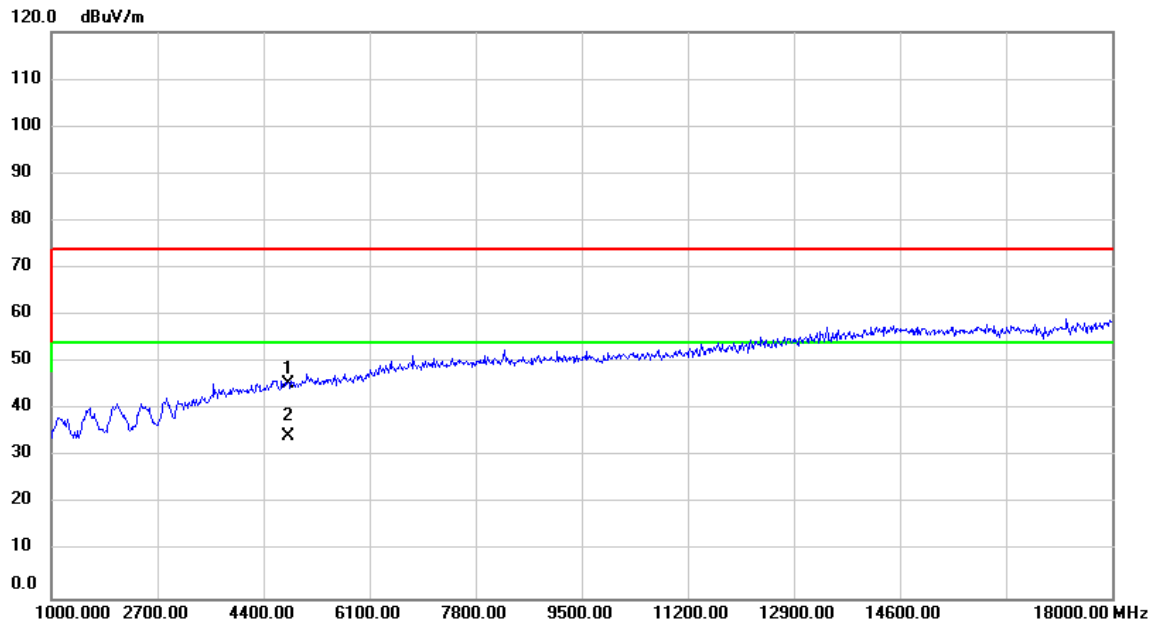
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2378.600	44.10	7.43	51.53	74.00	-22.47	peak	
2		2378.600	32.26	7.43	39.69	54.00	-14.31	AVG	
3	X	2477.400	102.55	7.60	110.15	74.00	36.15	peak	No Limit
4	*	2477.400	100.96	7.60	108.56	54.00	54.56	AVG	No Limit
5		2483.800	44.58	7.60	52.18	74.00	-21.82	peak	
6		2483.800	33.55	7.60	41.15	54.00	-12.85	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2402MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %

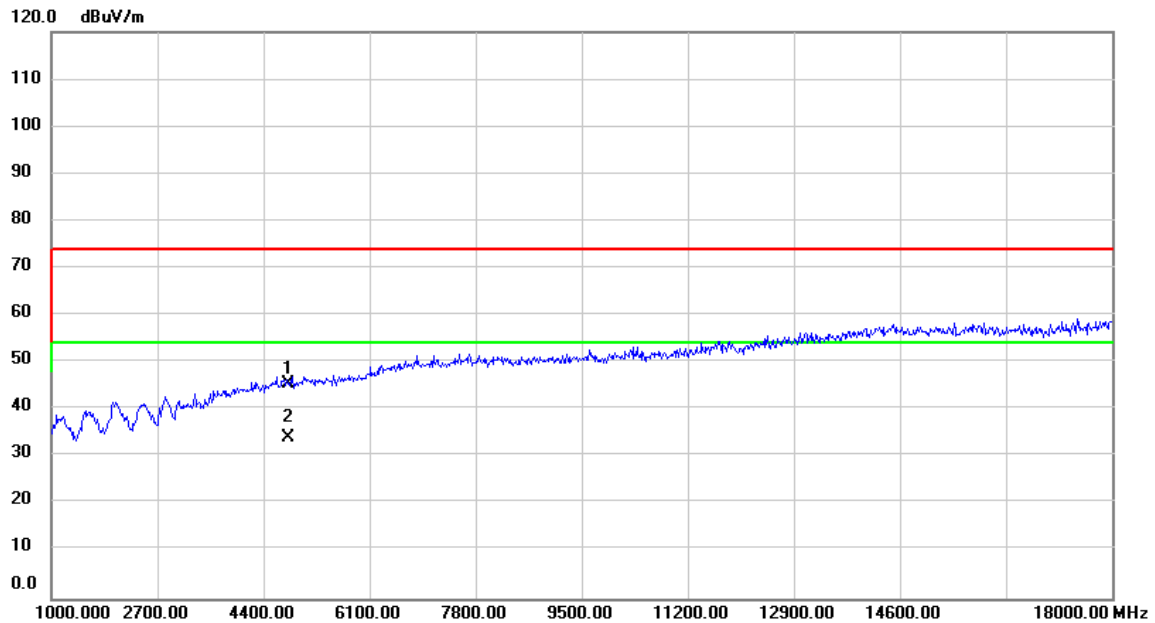


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4804.000	40.74	4.71	45.45	74.00	-28.55	peak	
2	*	4804.000	29.49	4.71	34.20	54.00	-19.80	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2402MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %

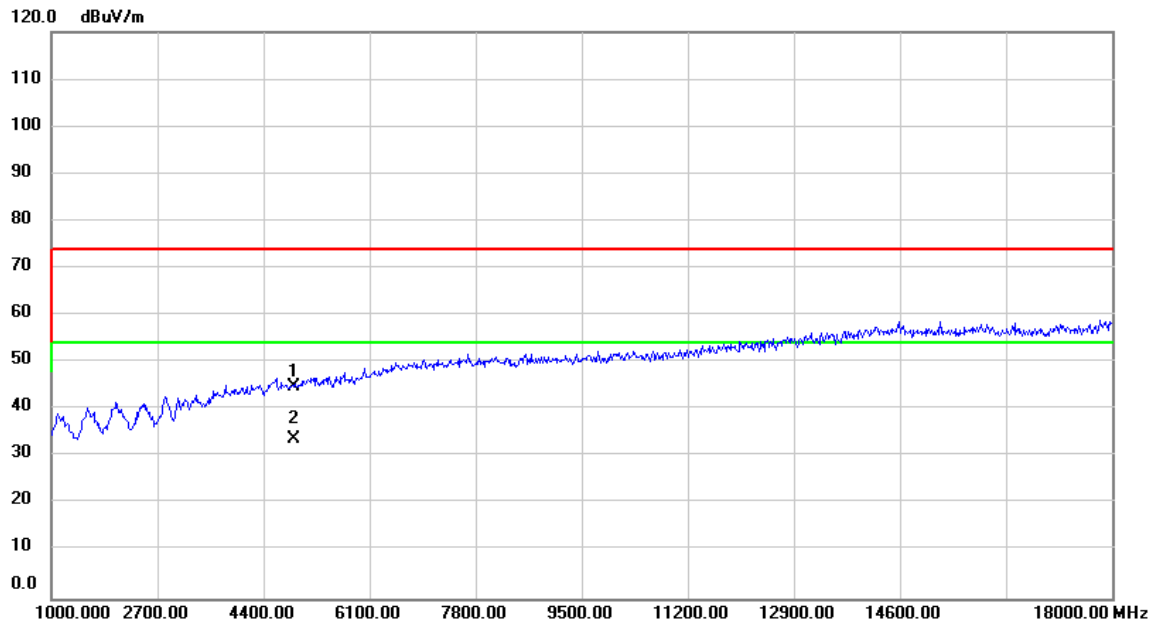


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	40.84	4.71	45.55	74.00	-28.45	peak	
2	*	4804.000	29.28	4.71	33.99	54.00	-20.01	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2440MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



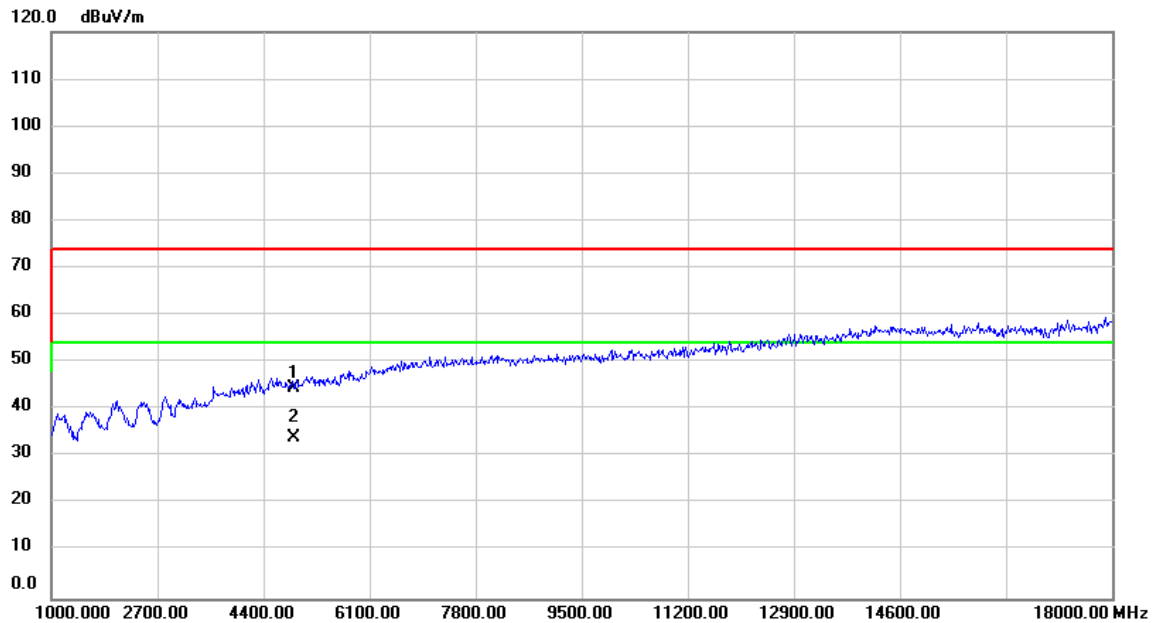
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4880.000	40.11	4.85	44.96	74.00	-29.04	peak	
2	*	4880.000	28.97	4.85	33.82	54.00	-20.18	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2440MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %

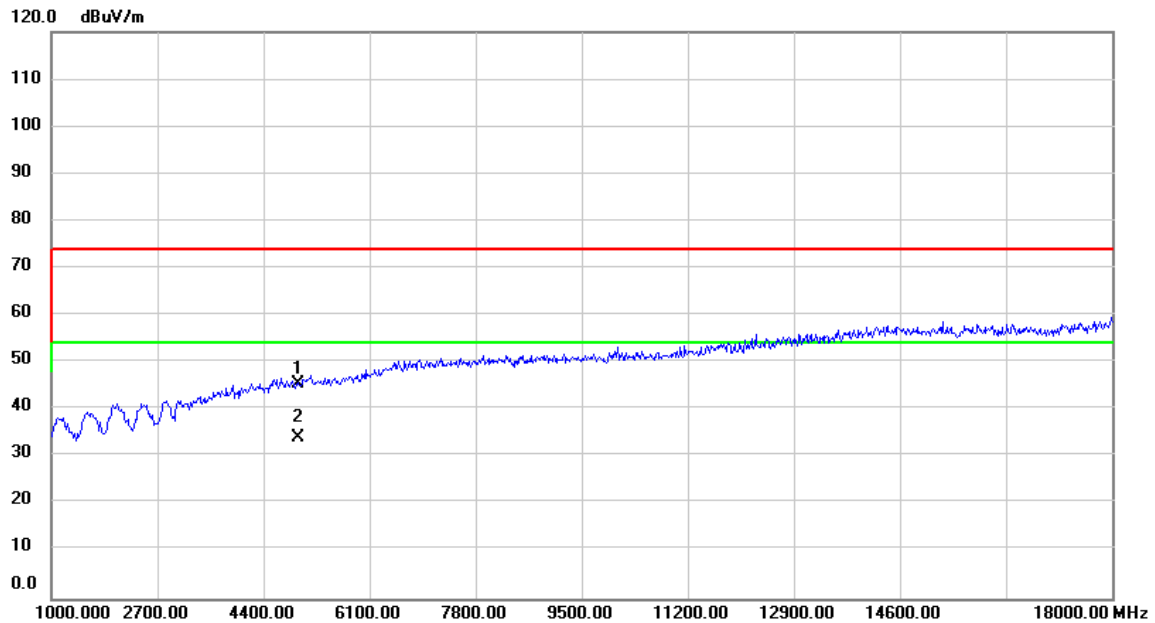


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4880.000	39.63	4.85	44.48	74.00	-29.52	peak	
2	*	4880.000	29.27	4.85	34.12	54.00	-19.88	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2480MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



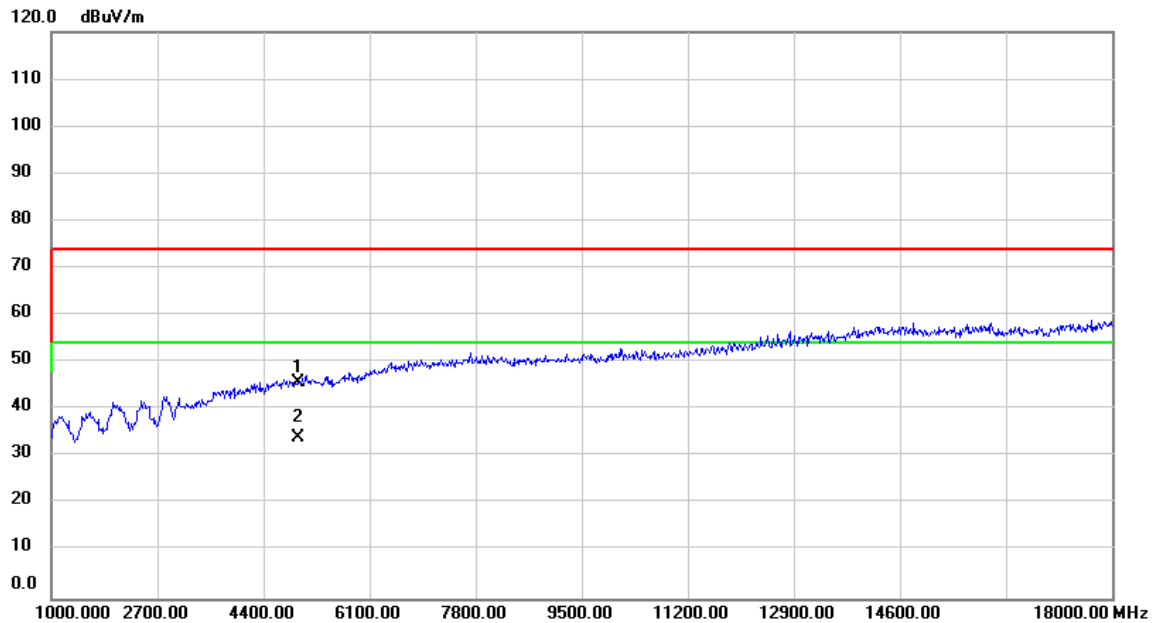
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	40.37	5.01	45.38	74.00	-28.62	peak	
2	*	4960.000	28.97	5.01	33.98	54.00	-20.02	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2480MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %



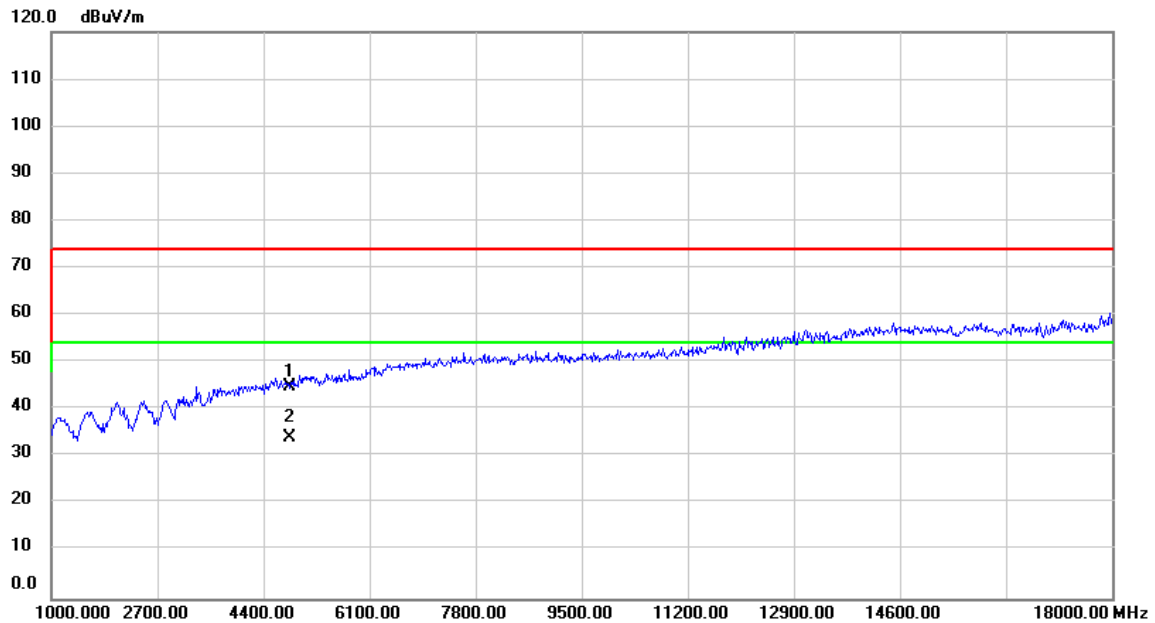
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4960.000	40.65	5.01	45.66	74.00	-28.34	peak	
2	*	4960.000	29.10	5.01	34.11	54.00	-19.89	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2404MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



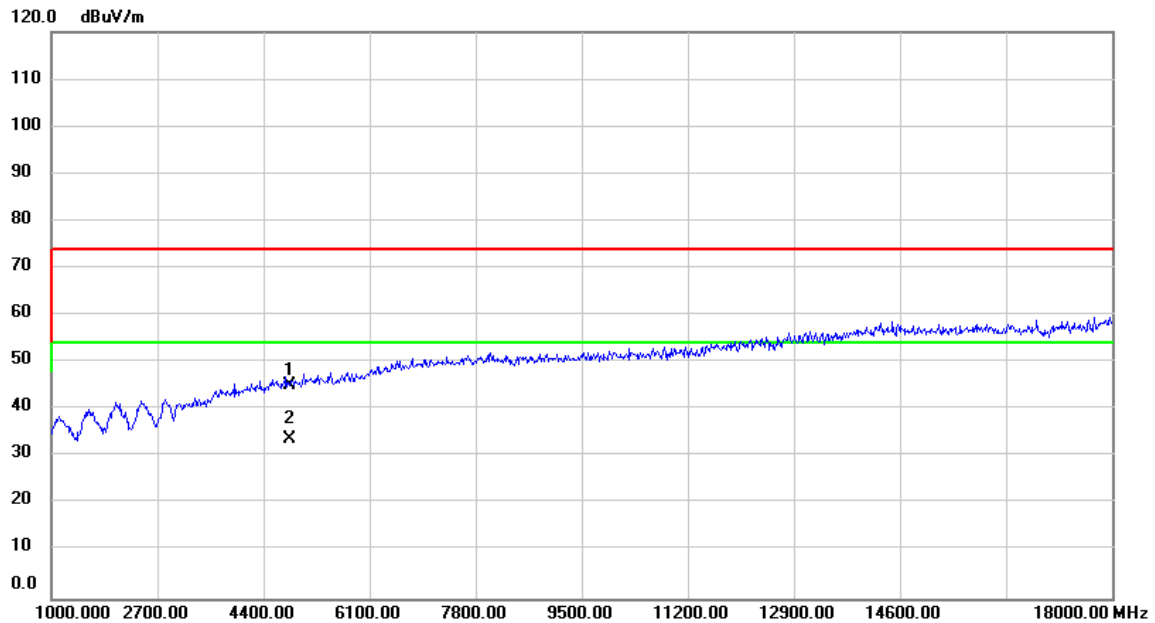
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4808.000	40.28	4.70	44.98	74.00	-29.02	peak	
2	*	4808.000	29.38	4.70	34.08	54.00	-19.92	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2404MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %



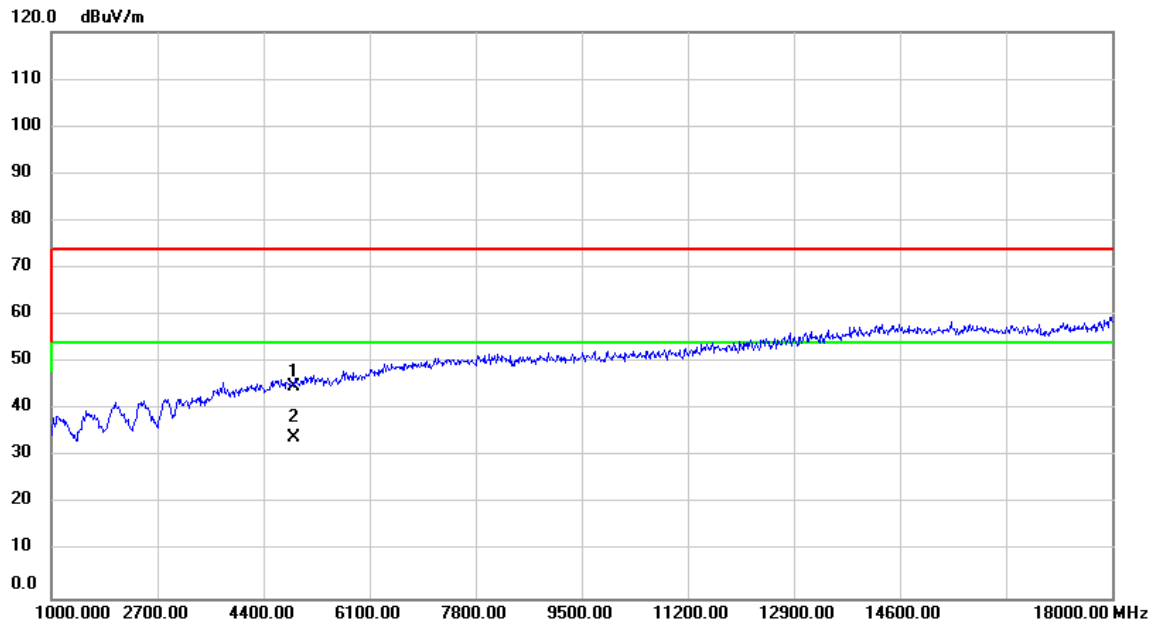
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4808.000	40.59	4.70	45.29	74.00	-28.71	peak	
2	*	4808.000	29.08	4.70	33.78	54.00	-20.22	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2440MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



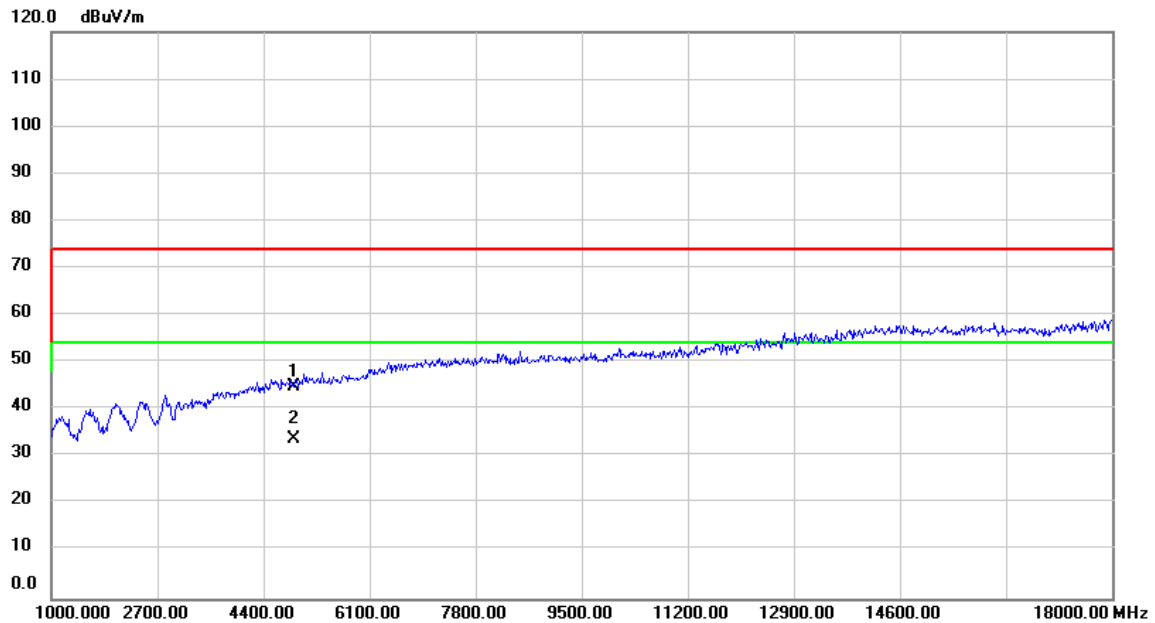
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4880.000	40.06	4.85	44.91	74.00	-29.09	peak	
2	*	4880.000	29.19	4.85	34.04	54.00	-19.96	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2440MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %



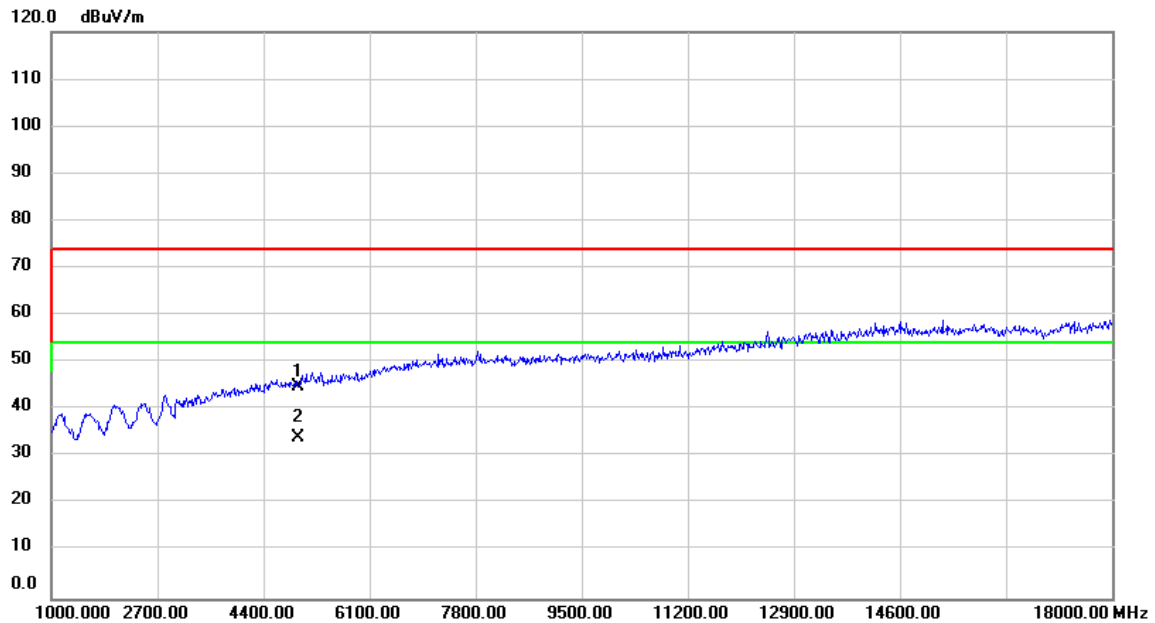
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4880.000	40.03	4.85	44.88	74.00	-29.12	peak	
2	*	4880.000	29.03	4.85	33.88	54.00	-20.12	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2478MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %

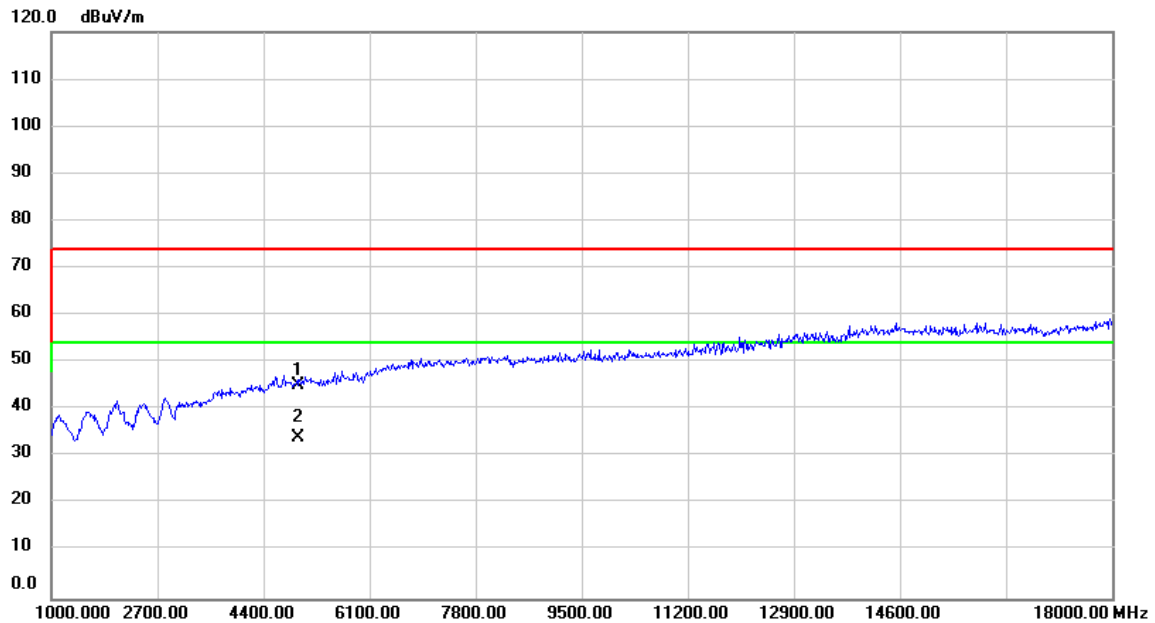


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4956.000	39.84	5.00	44.84	74.00	-29.16	peak	
2	*	4956.000	28.97	5.00	33.97	54.00	-20.03	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (2Mbps)	Test Date	2026/8/11
Test Frequency	2478MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %

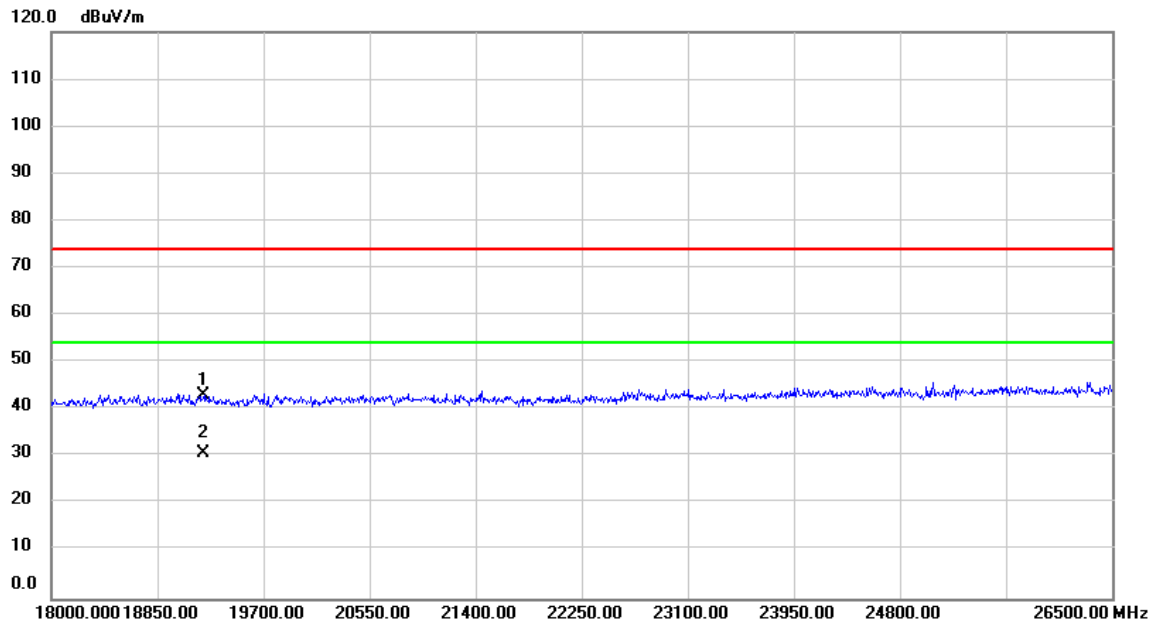


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4956.000	40.28	5.00	45.28	74.00	-28.72	peak	
2	*	4956.000	28.97	5.00	33.97	54.00	-20.03	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2402MHz	Polarization	Vertical
Temp	23°C	Hum.	65 %



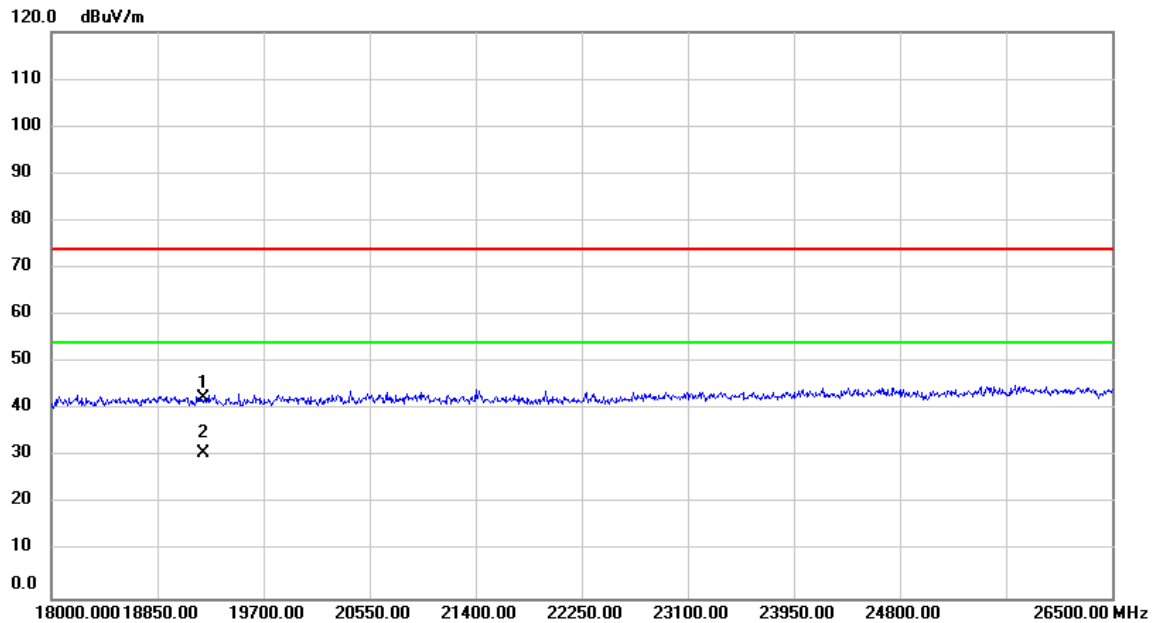
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19216.00	52.20	-9.22	42.98	74.00	-31.02	peak	
2	*	19216.00	39.93	-9.22	30.71	54.00	-23.29	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BLE 6.0 (1Mbps)	Test Date	2026/8/11
Test Frequency	2402MHz	Polarization	Horizontal
Temp	23°C	Hum.	65 %



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19216.00	51.60	-9.22	42.38	74.00	-31.62	peak	
2	*	19216.00	40.07	-9.22	30.85	54.00	-23.15	AVG	

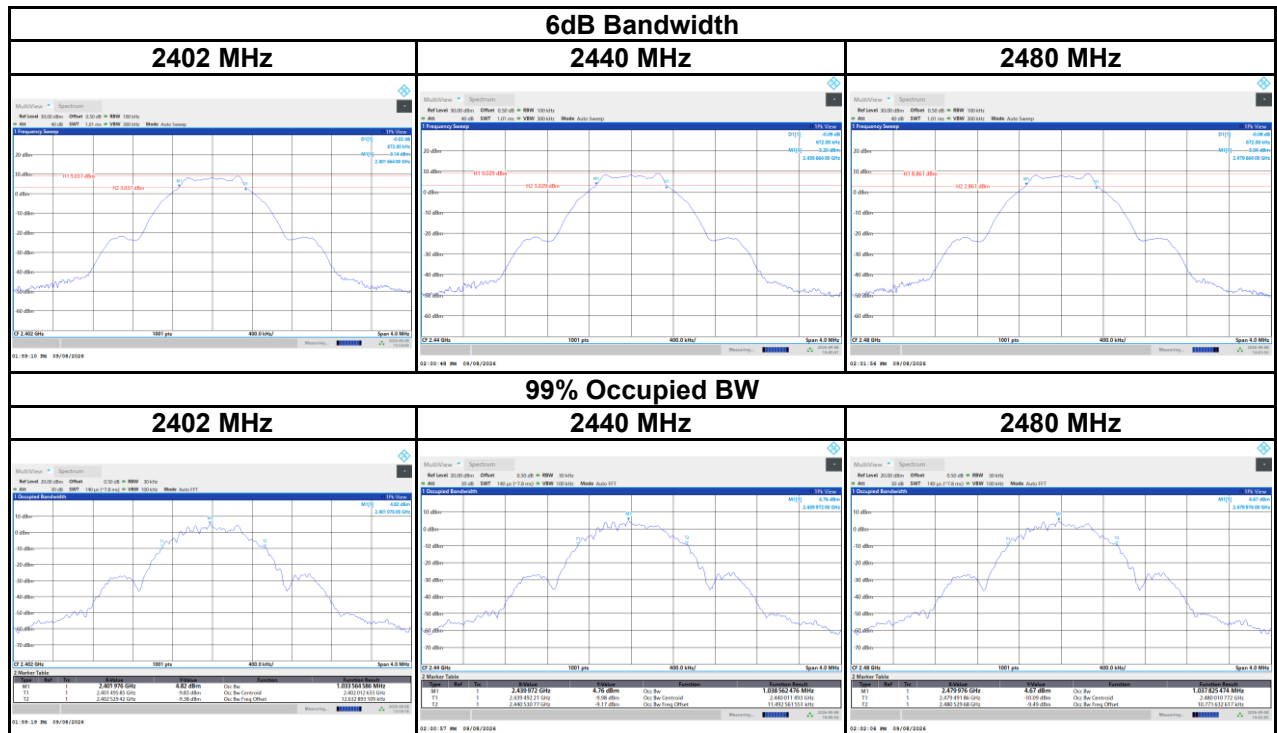
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E BANDWIDTH

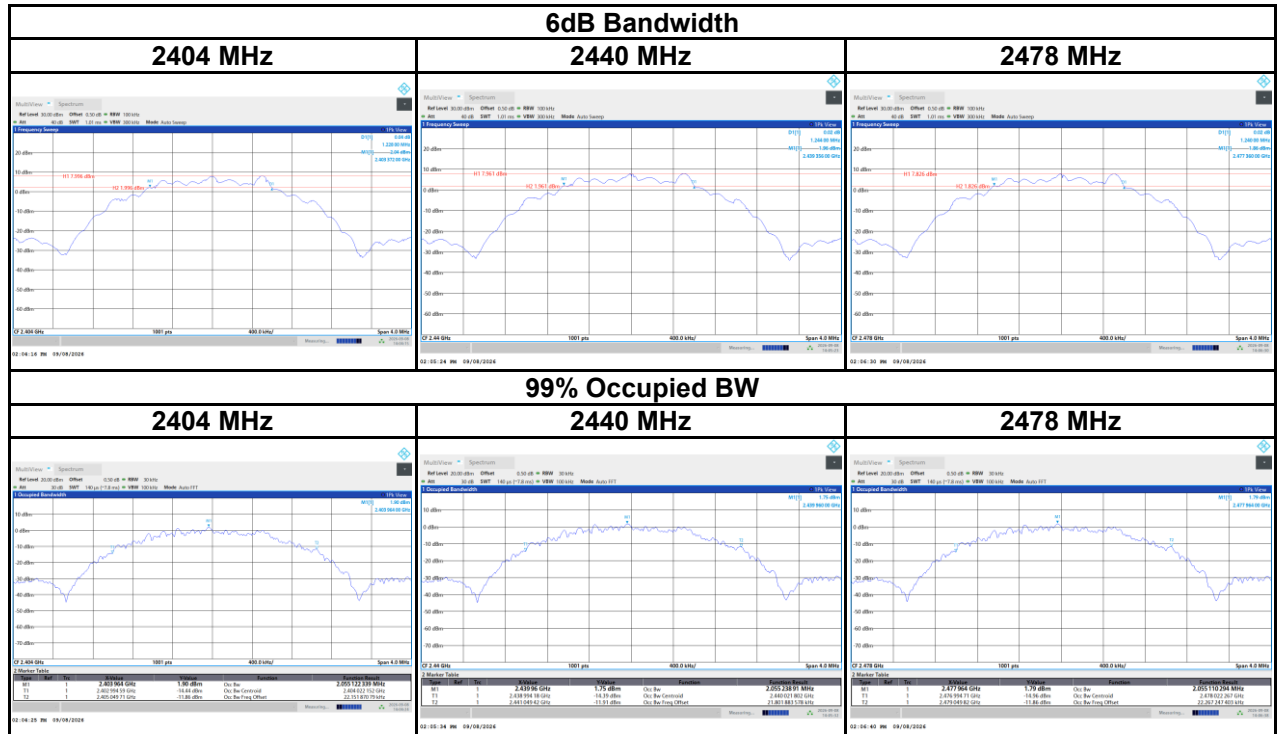
Test Mode:	1 Mbps
------------	--------

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.67	1.03	500	Pass
2440	0.67	1.04	500	Pass
2480	0.67	1.04	500	Pass



Test Mode:	2 Mbps
------------	--------

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2404	1.23	2.06	500	Pass
2440	1.24	2.06	500	Pass
2478	1.24	2.06	500	Pass



APPENDIX F OUTPUT POWER

Test Mode :	1 Mbps	Tested Date	2026/9/8
-------------	--------	-------------	----------

Frequency (MHz)	Average Power (dBm)	Average Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2402	9.48	0.0089	30.00	1.0000	Pass
2440	9.41	0.0087	30.00	1.0000	Pass
2480	9.16	0.0082	30.00	1.0000	Pass

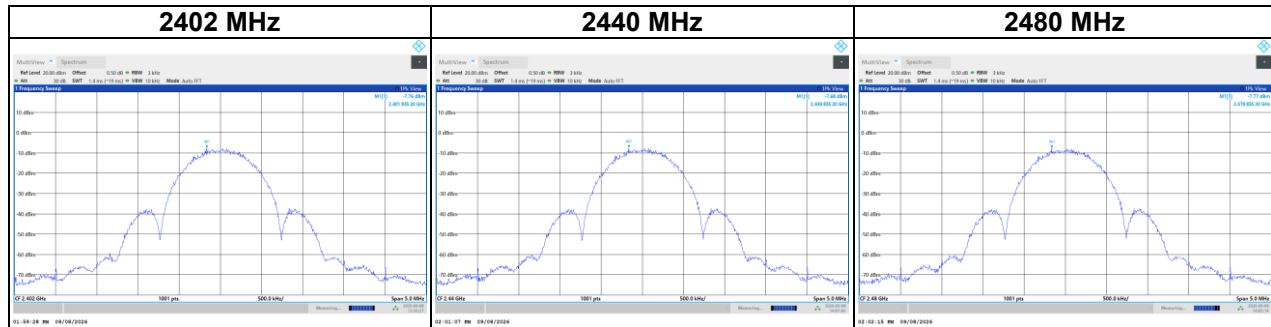
Test Mode :	2 Mbps	Tested Date	2026/9/8
-------------	--------	-------------	----------

Frequency (MHz)	Average Power (dBm)	Average Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2404	9.48	0.0089	30.00	1.0000	Pass
2440	9.40	0.0087	30.00	1.0000	Pass
2478	9.17	0.0083	30.00	1.0000	Pass

APPENDIX G POWER SPECTRAL DENSITY TEST

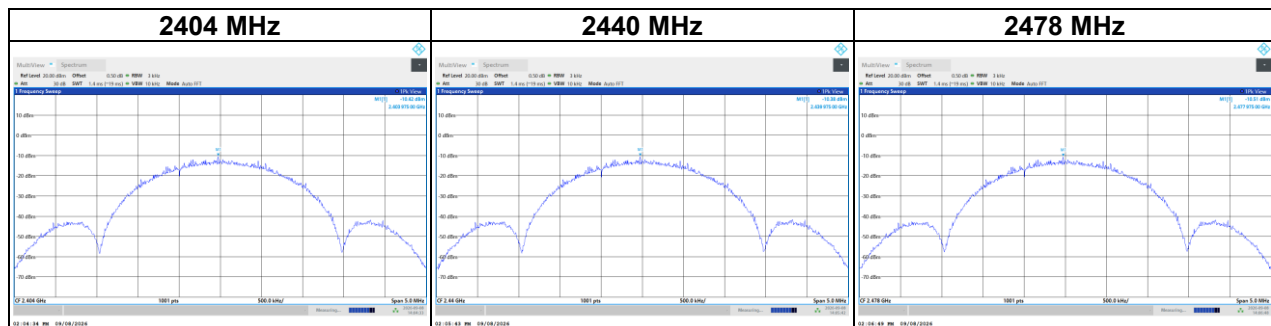
Test Mode :	1 Mbps
-------------	--------

Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-7.76	8	Pass
2440	-7.68	8	Pass
2480	-7.77	8	Pass



Test Mode :	2 Mbps
-------------	--------

Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2404	-10.42	8	Pass
2440	-10.38	8	Pass
2478	-10.51	8	Pass



APPENDIX H ANTENNA CONDUCTED SPURIOUS EMISSION

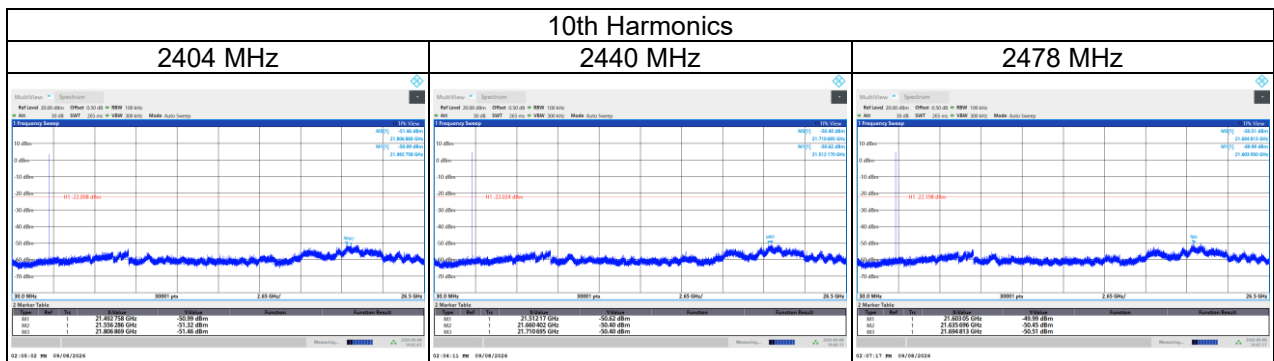
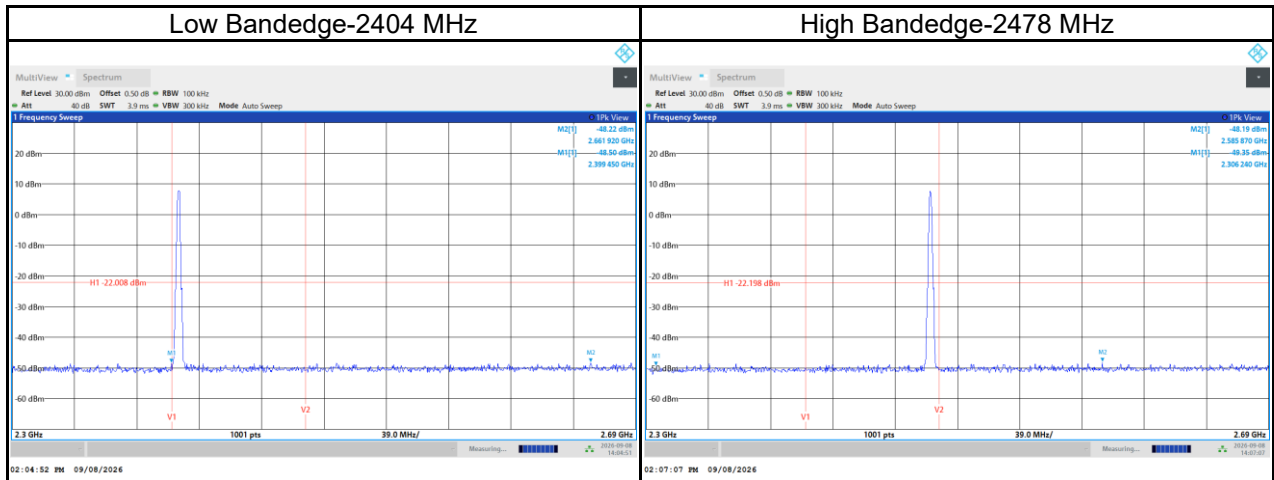
10th Harmonics

2402 MHz

2440 MHz

2480 MHz

Test Mode : 2 Mbps



End of Test Report