

FCC Radio Test Report

FCC ID: 2APRZ-MAXWELL2

Report No. : BTL-FCCP-2-2509T104
Equipment : Maxwell 2 Headset
Model Name : Maxwell 2
Brand Name : AUDEZE
Applicant : Audeze LLC
Address : 3410 S Susan St, Santa Ana, CA 92704, 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

Date of Receipt : 2025/9/19
Date of Test : 2025/10/7 ~ 2025/10/20
Issued Date : 2025/11/12

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

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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.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2509T104	R00	Original Report.	2025/11/12	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	-----

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 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. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

☐ C05 ☐ CB08 ☐ CB11 ☐ SR10 ☒ SR11

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

☒ SR05

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

☐ C06 ☒ CB21 ☐ CB22

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_{Lab} (dB)	U_{CISPR} (dB)
SR05	9 kHz ~ 150 kHz	3.02	3.83

B. Radiated emissions test :

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB21 (3m)	0.03~0.2	4.41
	0.02~1	4.61
	1 ~ 6	5.45
	6 ~ 18	5.04
	18 ~ 26	4.03
	26 ~ 40	4.33

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	27 °C, 46 %	AC 120V	Easton Tsai
Radiated emissions below 1 GHz	Refer to data	DC 5V	Mark Wang
Radiated emissions above 1 GHz	Refer to data	DC 5V	Mark Wang
Bandwidth	25.8 °C, 56 %	DC 5V	Easton Tsai
Output Power	25.8 °C, 56 %	DC 5V	Easton Tsai
Power Spectral Density	25.8 °C, 56 %	DC 5V	Easton Tsai
Antenna conducted Spurious Emission	25.8 °C, 56 %	DC 5V	Easton Tsai

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

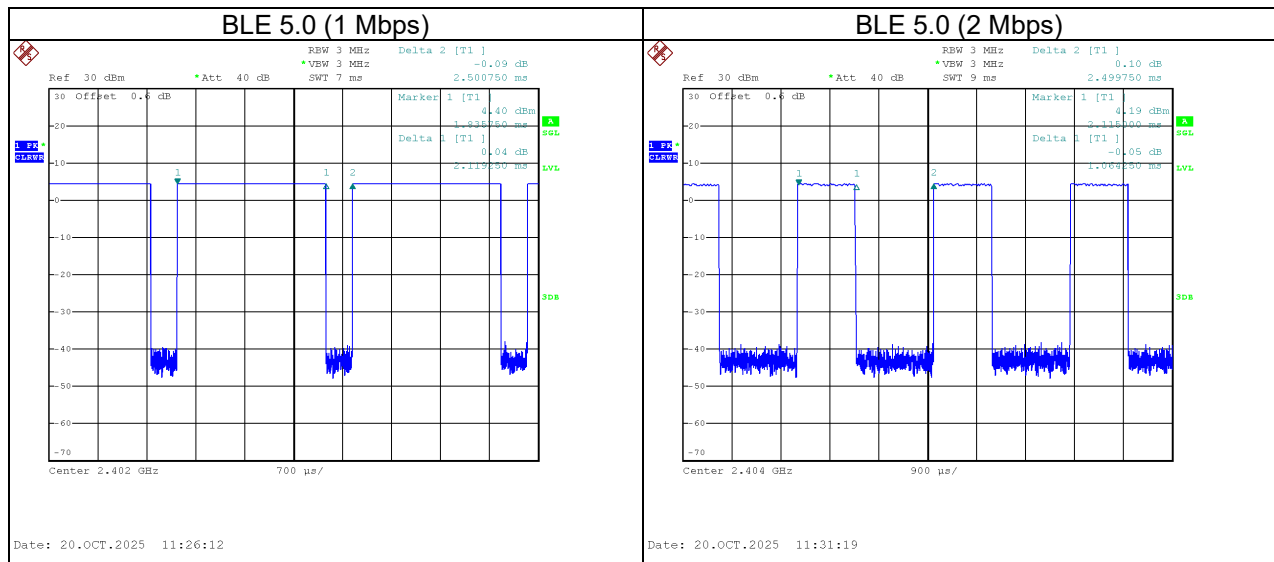
Test Software Version	AB1585/88 Lab Test Tool-5.2.0.4			
Mode	2402 MHz	2440 MHz	2480 MHz	Data Rate
BLE (1 Mbps)	38	38	38	1 Mbps
Mode	2404 MHz	2440 MHz	2478 MHz	Data Rate
BLE (2 Mbps)	38	38	38	2 Mbps

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 5.0 (1 Mbps)	2.119	1	2.119	2.501	84.74%	0.72
BLE 5.0 (2 Mbps)	1.064	1	1.064	2.500	42.57%	3.71



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Maxwell 2 Headset
Model Name	Maxwell 2
Brand Name	AUDEZE
Model Difference	N/A
Power Source	1. DC voltage supplied from USB Port. 2. Li-ion Polymer Battery supplied.
Power Rating	1. 5V, 1.8A 2. 3.7V, 1800 mAh
Products Covered	1 * Maxwell Dongle: AUDEZE / Maxwell-X 1 * Maxwell Dongle: AUDEZE / Maxwell-P 1 * MIC: Primo / EM271Y 1 * USB Type C Cable 1 * 3.5mm Cable 1 * USB C to A Cable 1 * Li-ion Polymer Battery: Hang Zhou Future Power Technology / FT823456P
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: 4.41 dBm (0.0028 W) 2 Mbps: 4.41 dBm (0.0028 W)
Test Model	Maxwell 2
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)
01	2404	14	2430	27	2456
02	2406	15	2432	28	2458
03	2408	16	2434	29	2460
04	2410	17	2436	30	2462
05	2412	18	2438	31	2464
06	2414	19	2440	32	2466
07	2416	20	2442	33	2468
08	2418	21	2444	34	2470
09	2420	22	2446	35	2472
10	2422	23	2448	36	2474
11	2424	24	2450	37	2476
12	2426	25	2452	38	2478
13	2428	26	2454		

(3) Table for Filed Antenna:

Antenna	Brand	Model Name	Type	Connector	Frequency Range (MHz)	Gain (dBi)
1	AMPACS	Maxwell	Printing	N/A	2400 ~ 2485	-1.4

(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/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	2 Mbps	38	-
Transmitter Radiated Emissions (above 1GHz)	1 Mbps	00/39	Bandedge
	2 Mbps	01/38	
	1 Mbps	00/19/39	Harmonic
	2 Mbps	01/19/38	
Transmitter Radiated Emissions (above 18GHz)	2 Mbps	38	-
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	-

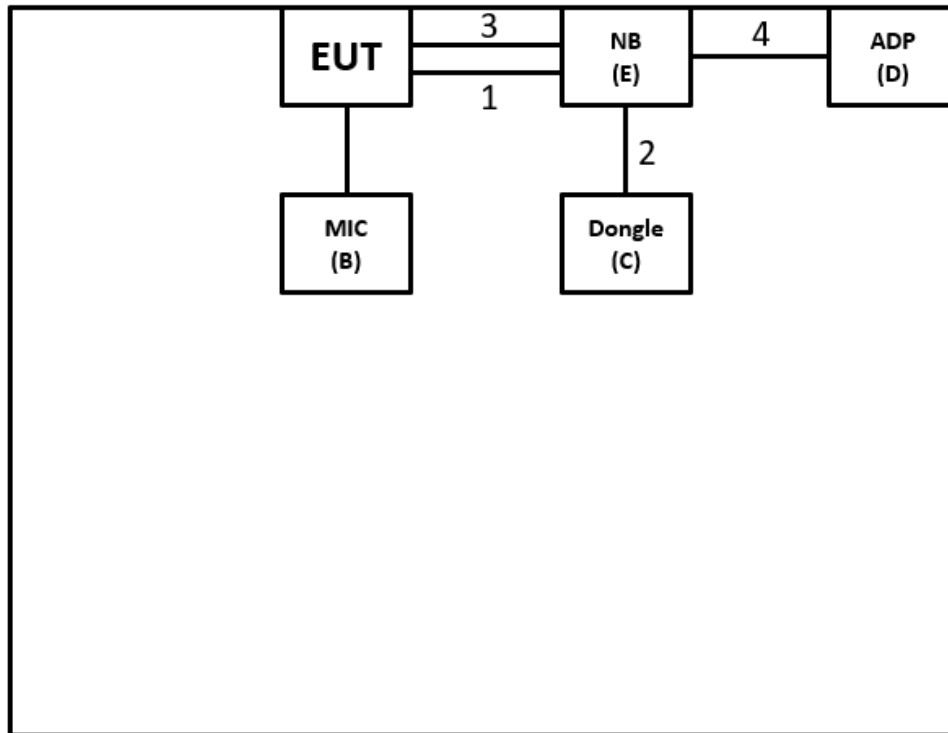
NOTE:

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

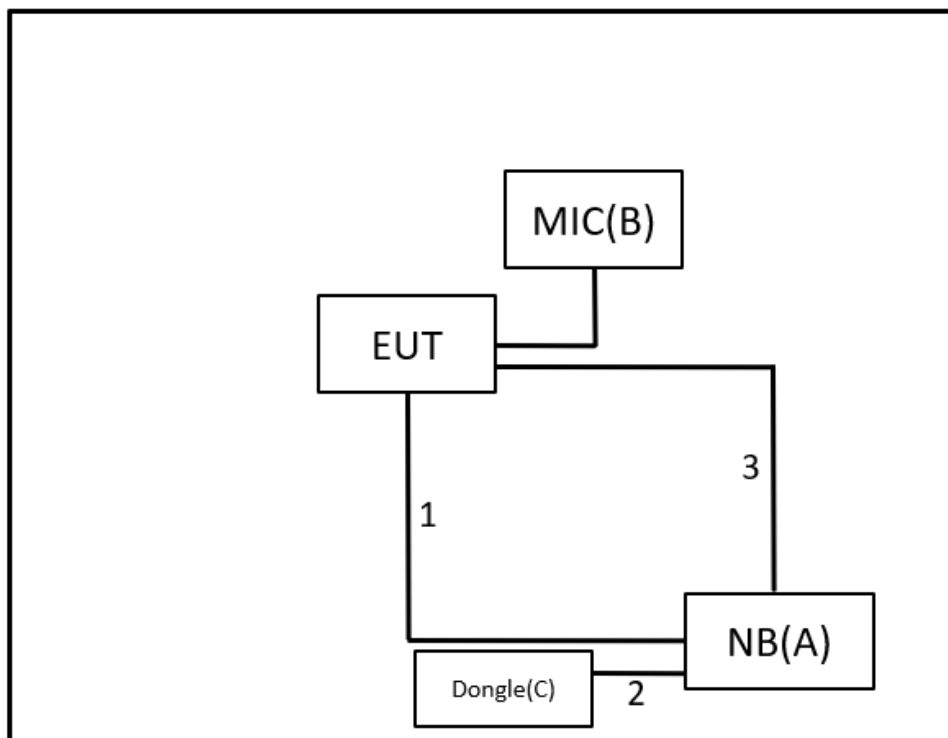
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC power line conducted emissions



Radiated Emissions



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	Dynabook	Portege-X40 G	N/A	Furnished by test lab.
B	MIC	Primo	EM271Y	N/A	Supplied by test requester
C	Maxwell Dongle	AUDEZE	Maxwell-P	N/A	Supplied by test requester
D	ADP	TOSHIBA	PA5177E-1AC3	N/A	Furnished by test lab.
E	NB	Dynabook	PT5C1E-AAAA11	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	155cm	USB Type-C	Supplied by test requester
2	N/A	N/A	30cm	USB C to A	Supplied by test requester
3	N/A	N/A	125cm	3.5mm Cable	Supplied by test requester
4	N/A	N/A	1.6M	Power Cord	Furnished by test lab.

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.

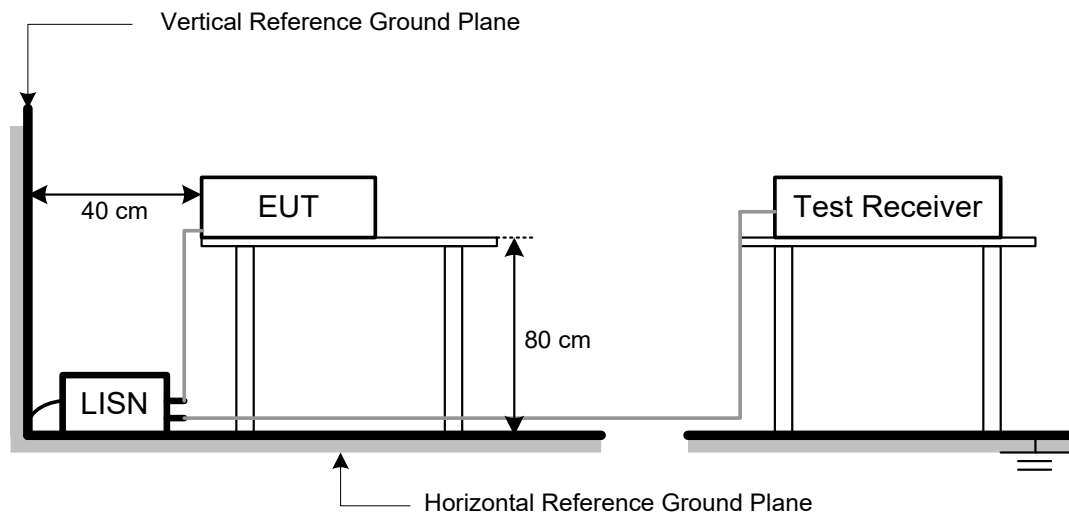
NOTE:

- (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 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

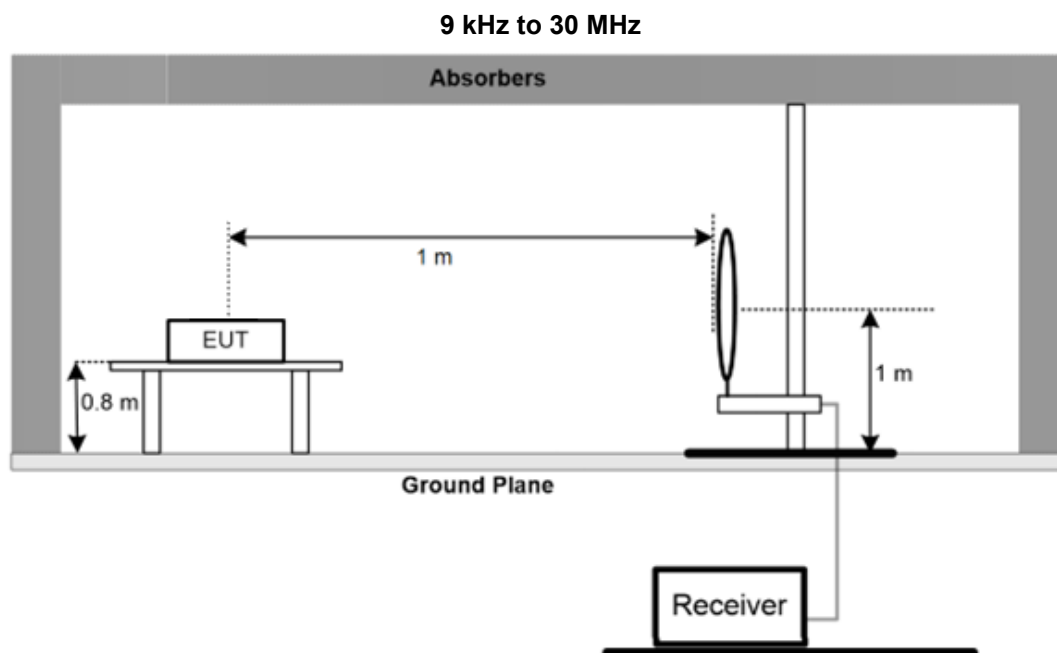
4.2 TEST PROCEDURE

- 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.

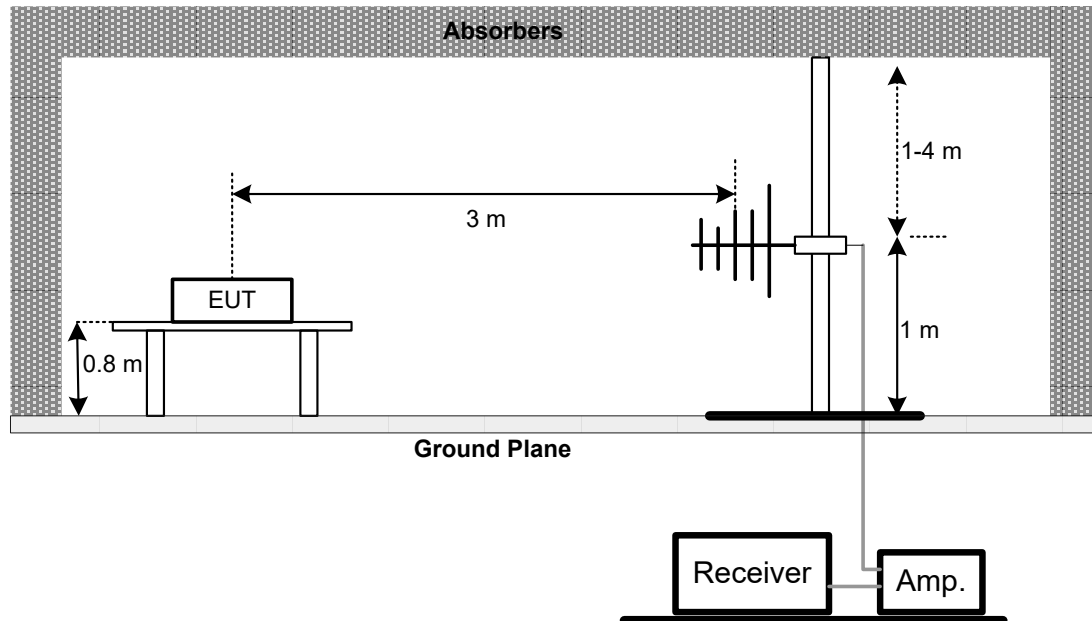
4.3 DEVIATION FROM TEST STANDARD

No deviation.

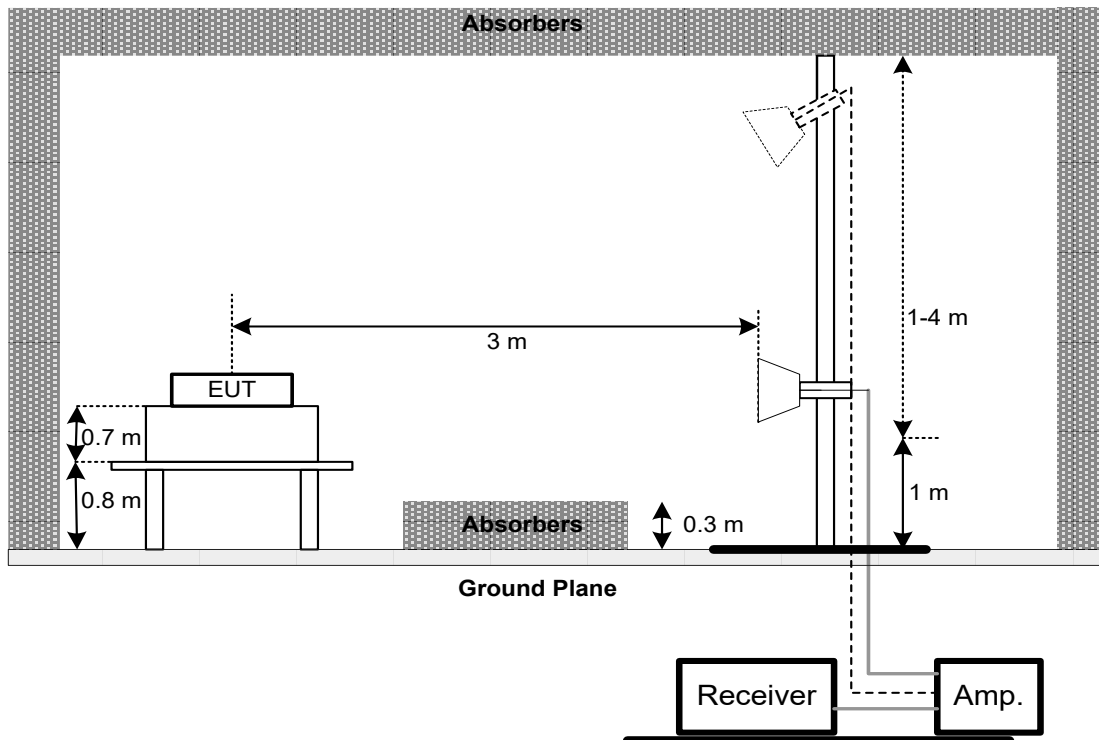
4.4 TEST SETUP



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

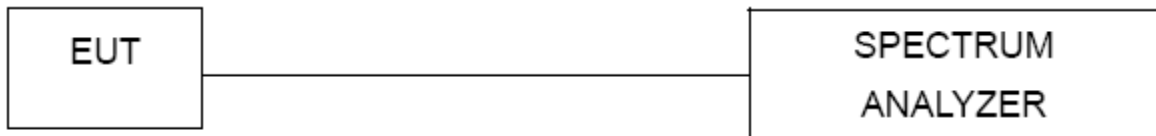
5.2 TEST PROCEDURE

- 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

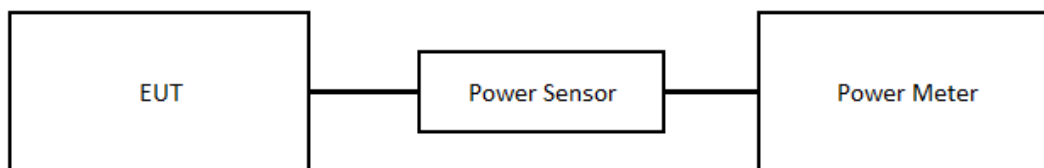
6.2 TEST PROCEDURE

- The EUT was directly connected to the single channel pk 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

- 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 = 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	TWO-LINE V-NETWORK	R&S	ENV216	101497	2025/5/20	2026/5/19
2	Test Cable	EMCI	EMC400-BM-BM-5000	170501	2025/7/31	2026/7/30
3	EMI Test Receiver	R&S	ESR3	102950	2025/4/14	2026/4/13
4	Measurement Software	EZ	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	Preamplifier	EMCI	EMC330N	980850	2025/9/3	2026/9/2
2	Preamplifier	EMCI	EMC118A45SE	980819	2025/3/5	2026/3/4
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2025/9/3	2026/9/2
4	Preamplifier	EMCI	EMC001340	980579	2025/9/3	2026/9/2
5	Test Cable	EMCI	EMC104-SM-1000	180809	2025/3/5	2026/3/4
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2025/3/5	2026/3/4
7	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2025/3/5	2026/3/4
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2025/2/19	2026/2/18
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2025/9/1	2026/8/31
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2025/5/9	2026/5/8
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2025/5/15	2026/5/14
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2025/7/4	2026/7/3
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2025/7/4	2026/7/3
14	Test Cable	EMCI	EMC101G-KM-KM-3000	220329	2025/3/12	2026/3/11
15	Test Cable	EMCI	EMC102-KM-KM-1000	220327	2025/3/12	2026/3/11
16	Measurement Software	EZ	EZ EMC (Version NB-03A1-01)	N/A	N/A	N/A

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

Output Power						
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

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

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

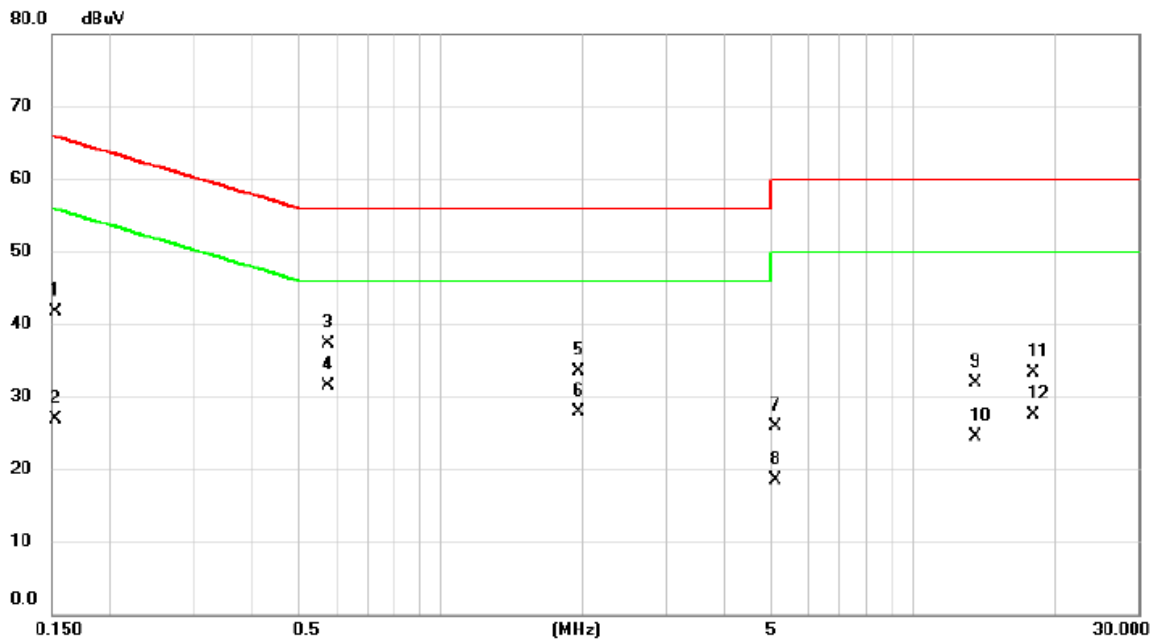
Please refer to document Appendix No.: TP-2509T104-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2509T104-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2025/10/9
Test Frequency	-	Phase	Line



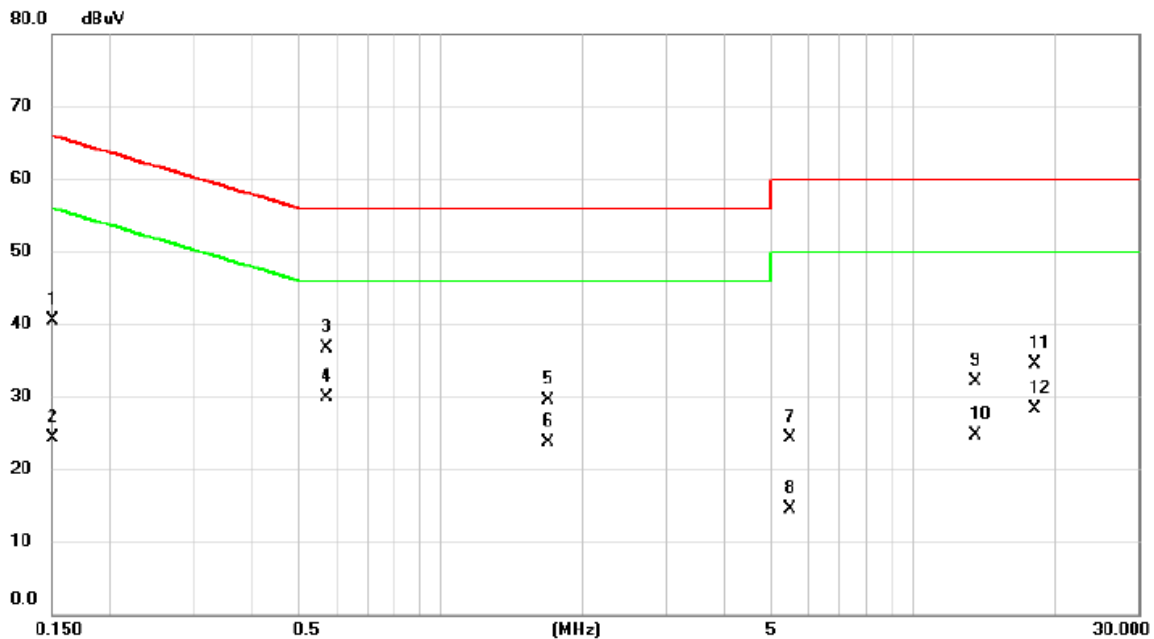
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1532	32.07	9.58	41.65	65.82	-24.17	QP	
2	0.1532	17.25	9.58	26.83	55.82	-28.99	AVG	
3	0.5752	27.74	9.55	37.29	56.00	-18.71	QP	
4 *	0.5752	21.88	9.55	31.43	46.00	-14.57	AVG	
5	1.9500	24.00	9.60	33.60	56.00	-22.40	QP	
6	1.9500	18.39	9.60	27.99	46.00	-18.01	AVG	
7	5.0954	16.21	9.77	25.98	60.00	-34.02	QP	
8	5.0954	8.75	9.77	18.52	50.00	-31.48	AVG	
9	13.5600	22.04	9.90	31.94	60.00	-28.06	QP	
10	13.5600	14.59	9.90	24.49	50.00	-25.51	AVG	
11	17.9745	23.42	9.95	33.37	60.00	-26.63	QP	
12	17.9745	17.64	9.95	27.59	50.00	-22.41	AVG	

REMARKS:

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

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

Test Mode	Normal	Tested Date	2025/10/9
Test Frequency	-	Phase	Neutral

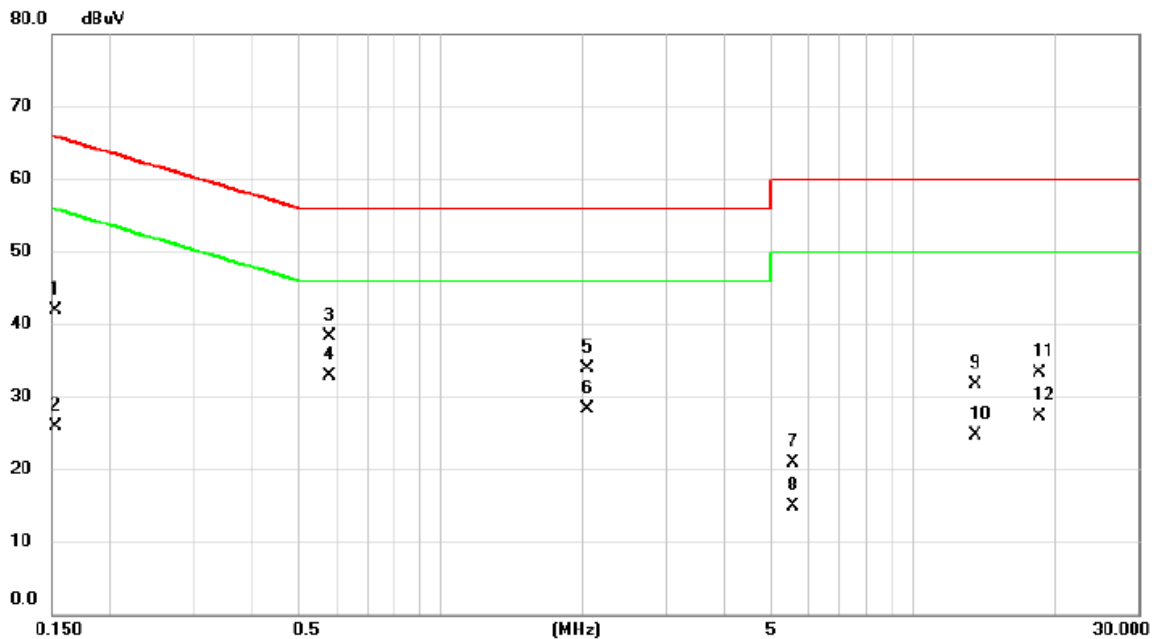


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	31.08	9.51	40.59	66.00	-25.41	QP	
2		0.1500	14.71	9.51	24.22	56.00	-31.78	AVG	
3		0.5730	27.16	9.52	36.68	56.00	-19.32	QP	
4	*	0.5730	20.42	9.52	29.94	46.00	-16.06	AVG	
5		1.6913	19.96	9.57	29.53	56.00	-26.47	QP	
6		1.6913	14.04	9.57	23.61	46.00	-22.39	AVG	
7		5.4848	14.58	9.73	24.31	60.00	-35.69	QP	
8		5.4848	4.70	9.73	14.43	50.00	-35.57	AVG	
9		13.5600	22.26	9.89	32.15	60.00	-27.85	QP	
10		13.5600	14.88	9.89	24.77	50.00	-25.23	AVG	
11		18.1365	24.50	9.97	34.47	60.00	-25.53	QP	
12		18.1365	18.35	9.97	28.32	50.00	-21.68	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2025/10/9
Test Frequency	-	Phase	Line

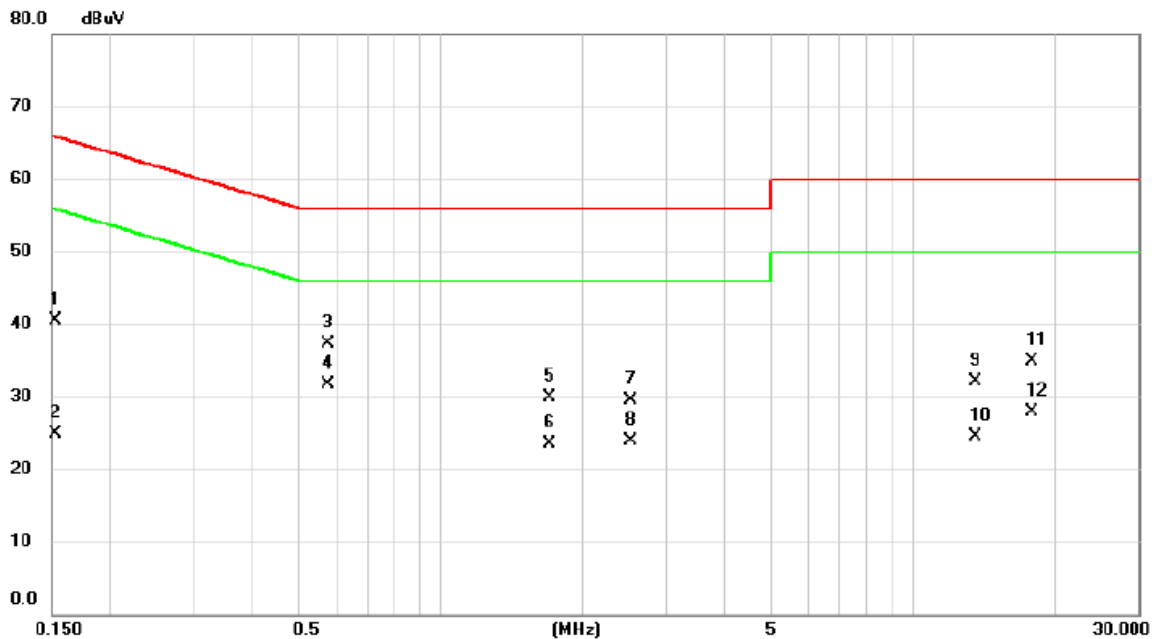


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1522	32.35	9.58	41.93	65.88	-23.95	QP	
2	0.1522	16.23	9.58	25.81	55.88	-30.07	AVG	
3	0.5820	28.74	9.55	38.29	56.00	-17.71	QP	
4 *	0.5820	23.39	9.55	32.94	46.00	-13.06	AVG	
5	2.0468	24.23	9.60	33.83	56.00	-22.17	QP	
6	2.0468	18.74	9.60	28.34	46.00	-17.66	AVG	
7	5.5590	11.03	9.78	20.81	60.00	-39.19	QP	
8	5.5590	5.12	9.78	14.90	50.00	-35.10	AVG	
9	13.5600	21.84	9.90	31.74	60.00	-28.26	QP	
10	13.5600	14.76	9.90	24.66	50.00	-25.34	AVG	
11	18.5033	23.42	9.96	33.38	60.00	-26.62	QP	
12	18.5033	17.35	9.96	27.31	50.00	-22.69	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2025/10/9
Test Frequency	-	Phase	Neutral



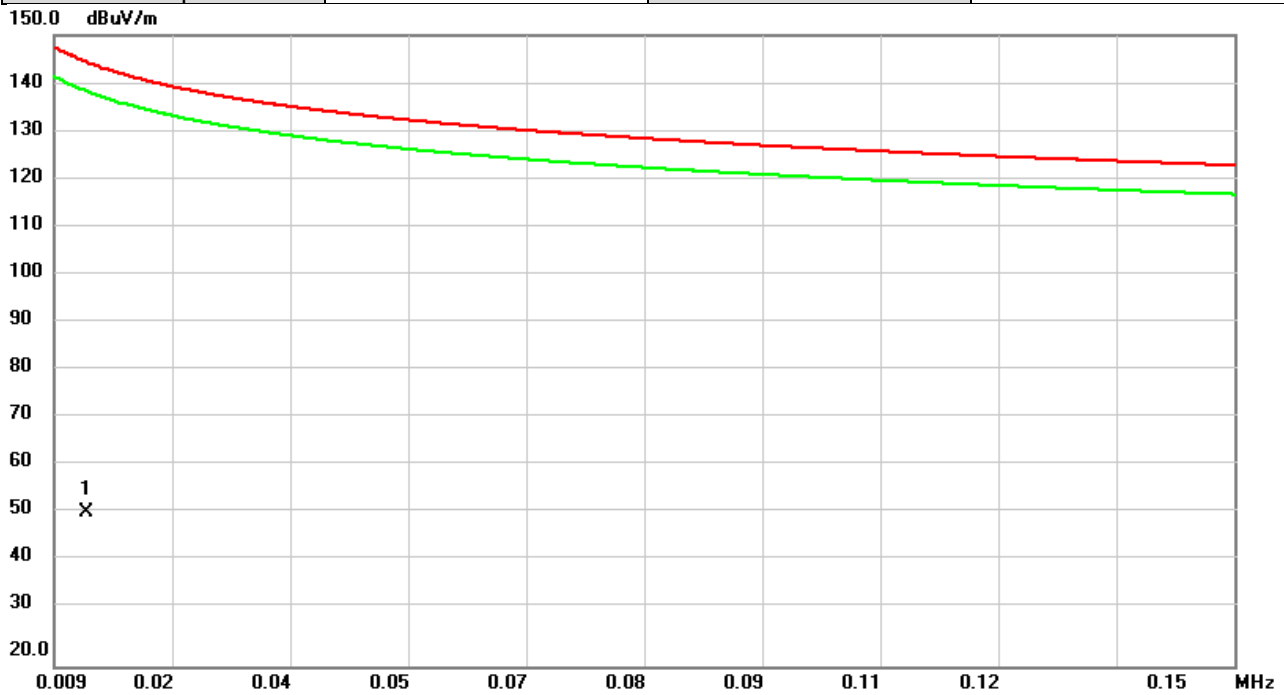
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	31.06	9.51	40.57	65.88	-25.31	QP	
2		0.1522	15.42	9.51	24.93	55.88	-30.95	AVG	
3		0.5775	27.81	9.52	37.33	56.00	-18.67	QP	
4	*	0.5775	22.10	9.52	31.62	46.00	-14.38	AVG	
5		1.6935	20.31	9.57	29.88	56.00	-26.12	QP	
6		1.6935	14.01	9.57	23.58	46.00	-22.42	AVG	
7		2.5148	19.99	9.61	29.60	56.00	-26.40	QP	
8		2.5148	14.20	9.61	23.81	46.00	-22.19	AVG	
9		13.5600	22.21	9.89	32.10	60.00	-27.90	QP	
10		13.5600	14.68	9.89	24.57	50.00	-25.43	AVG	
11		17.8845	24.90	9.96	34.86	60.00	-25.14	QP	
12		17.8845	17.99	9.96	27.95	50.00	-22.05	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 5.0 (2 Mbps)	Test Date	2025/10/8
Test Frequency	2478MHz	Polarization	Vertical
Temp	28°C	Hum.	56%

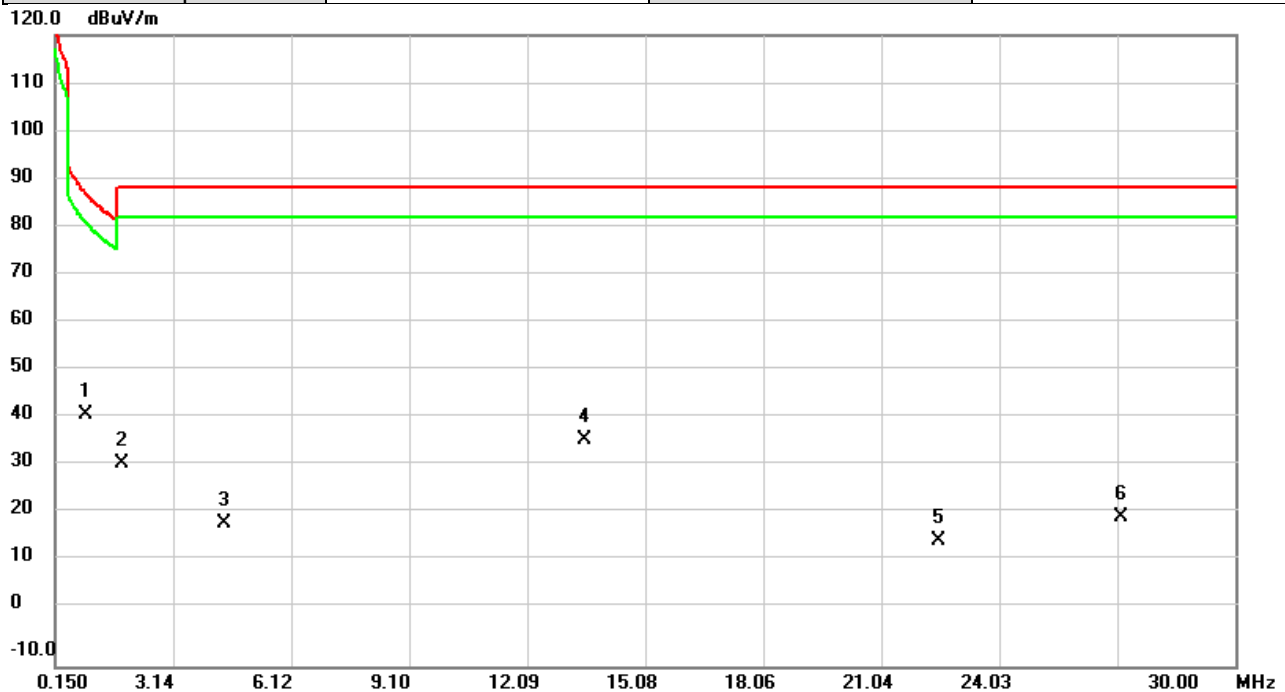


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0128	16.29	35.55	51.84	144.54	-92.70	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/8
Test Frequency	2478MHz	Polarization	Vertical
Temp	28°C	Hum.	56%

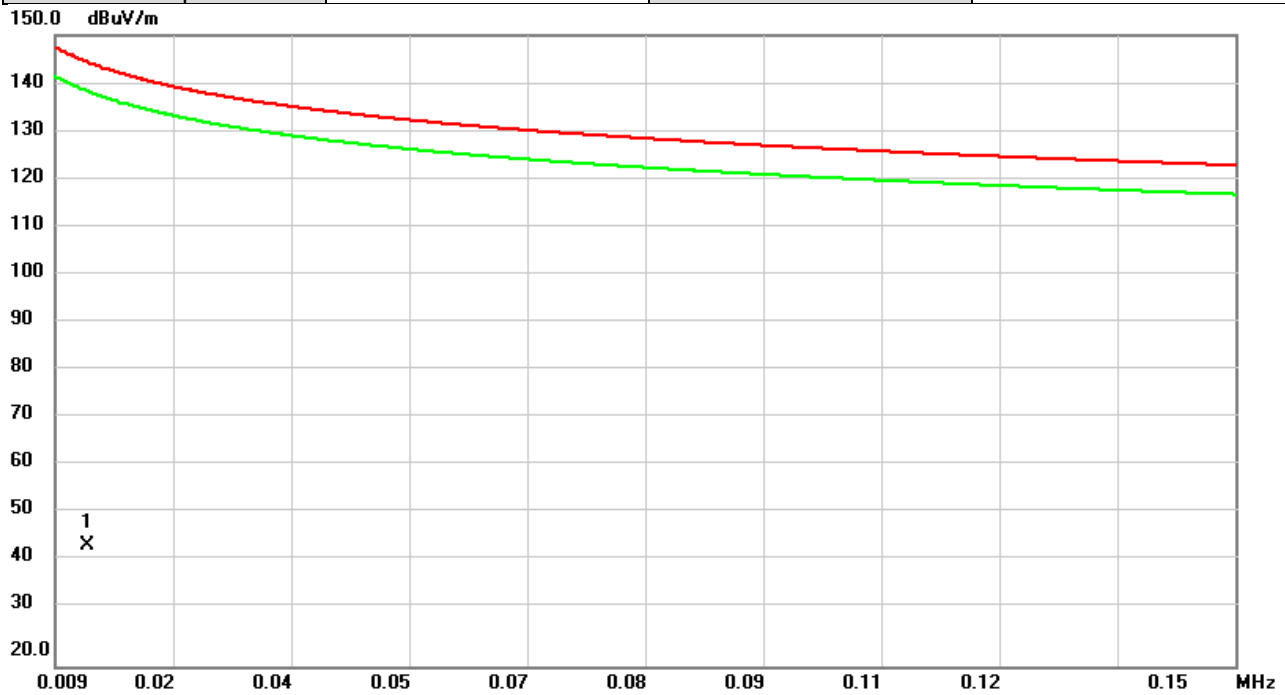


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.9211	40.76	1.22	41.98	87.39	-45.41	QP	
2		1.8484	32.75	-1.07	31.68	88.62	-56.94	QP	
3		4.4304	22.99	-3.56	19.43	88.62	-69.19	QP	
4		13.5606	39.64	-2.87	36.77	88.62	-51.85	QP	
5		22.4937	18.86	-3.14	15.72	88.62	-72.90	QP	
6		27.1214	23.34	-2.57	20.77	88.62	-67.85	QP	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/8
Test Frequency	2478MHz	Polarization	Horizontal
Temp	28°C	Hum.	56%

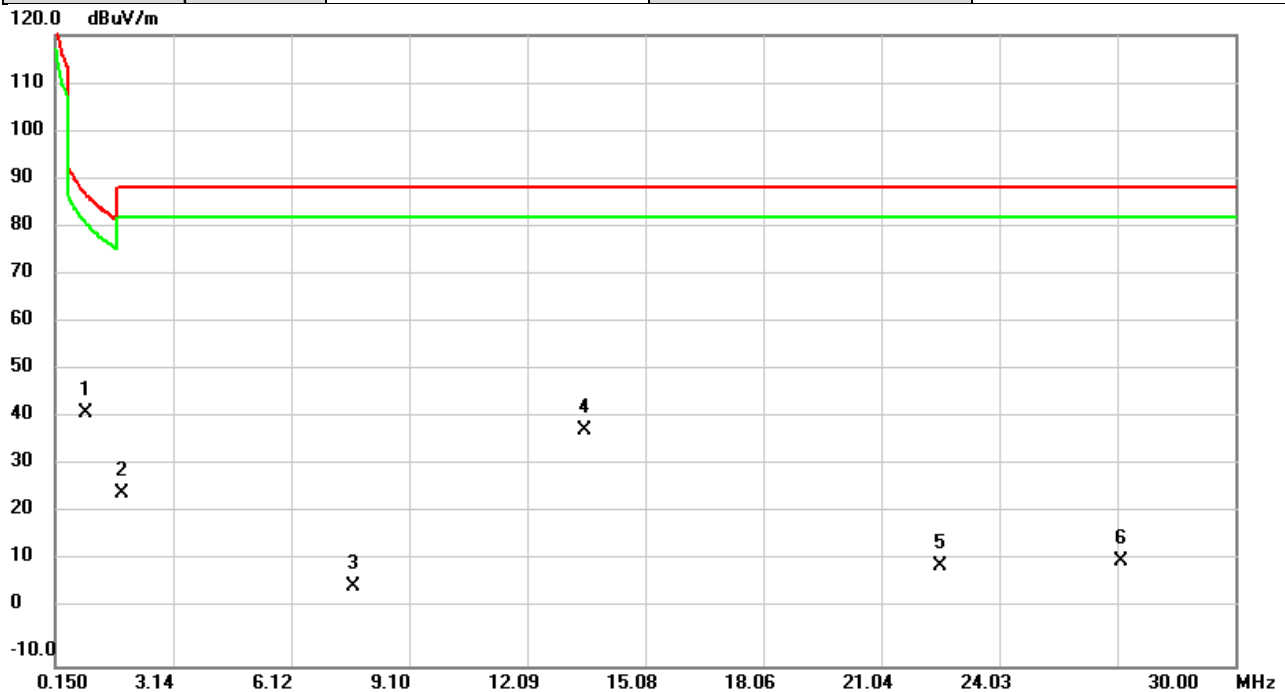


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0128	9.22	35.55	44.77	144.54	-99.77	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/8
Test Frequency	2478MHz	Polarization	Horizontal
Temp	28°C	Hum.	56%



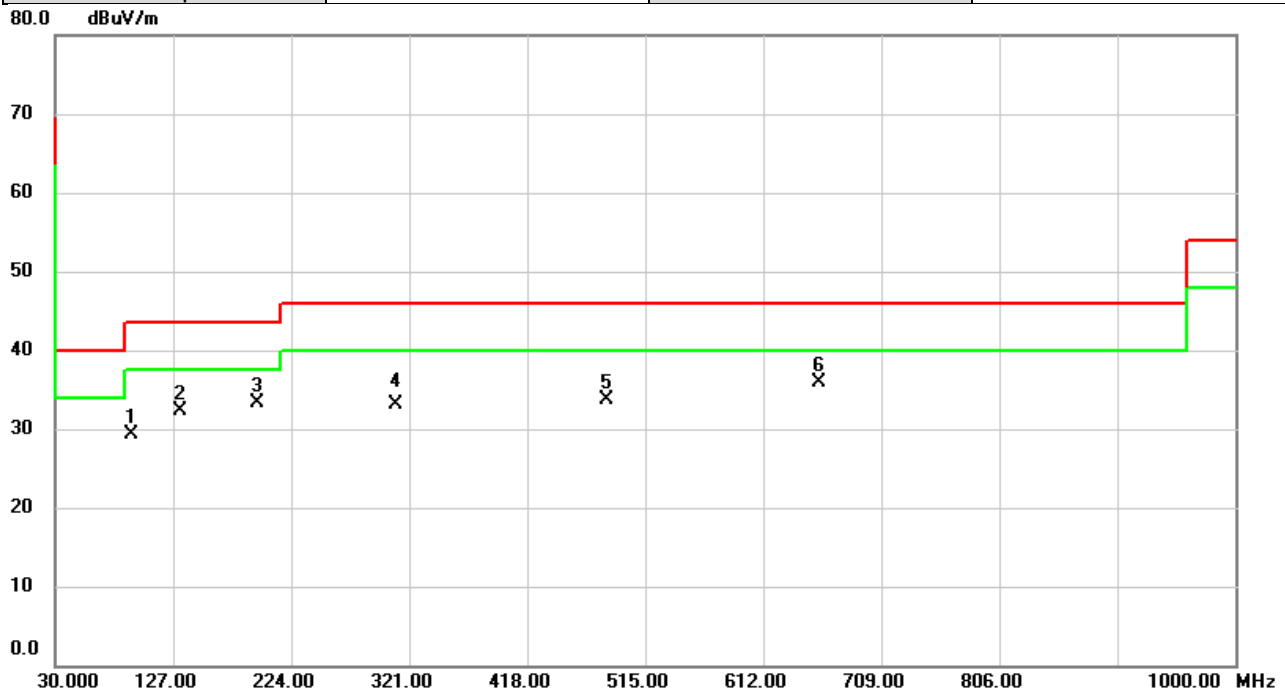
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.9201	40.83	1.23	42.06	87.40	-45.34	QP	
2		1.8554	26.74	-1.09	25.65	88.62	-62.97	QP	
3		7.7060	9.57	-3.05	6.52	88.62	-82.10	QP	
4		13.5606	41.61	-2.87	38.74	88.62	-49.88	QP	
5		22.5375	13.89	-3.14	10.75	88.62	-77.87	QP	
6		27.1214	14.19	-2.57	11.62	88.62	-77.00	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 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

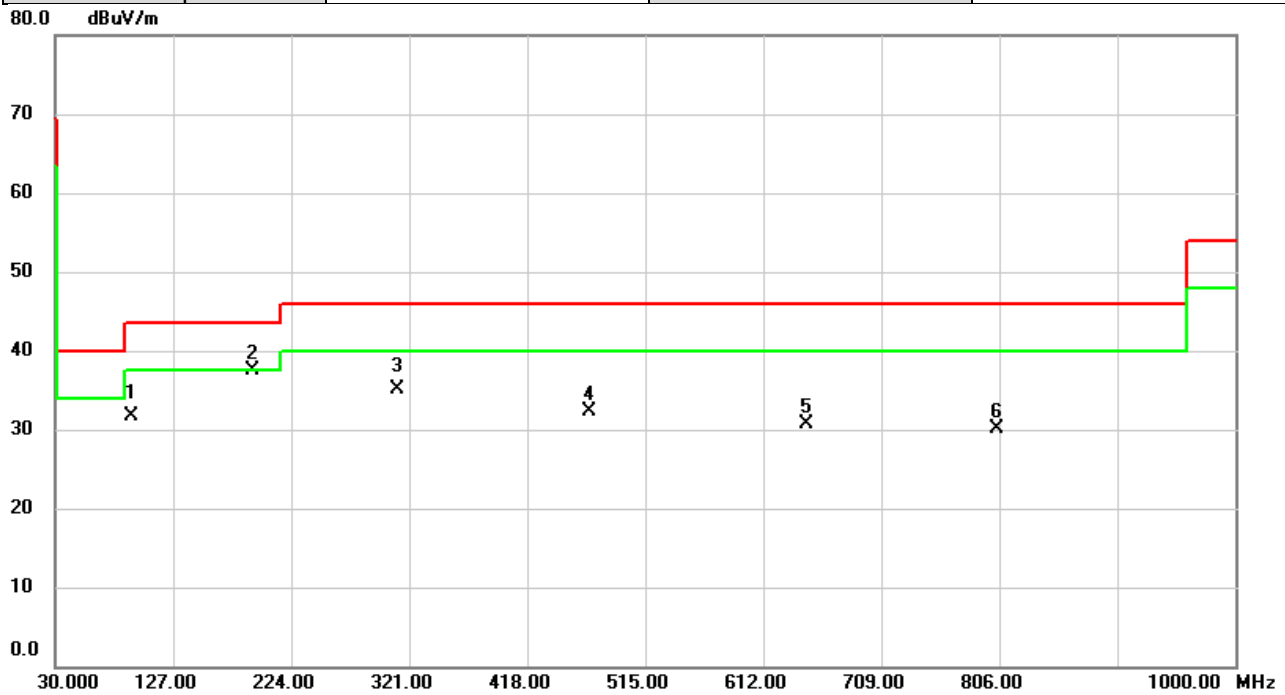


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		92.5973	46.70	-17.44	29.26	43.50	-14.24	peak	
2		132.8846	45.17	-12.96	32.21	43.50	-11.29	peak	
3		196.4843	48.05	-14.80	33.25	43.50	-10.25	peak	
4		310.6533	43.90	-10.74	33.16	46.00	-12.84	QP	
5		482.7313	40.30	-6.50	33.80	46.00	-12.20	peak	
6	*	658.4953	39.07	-3.11	35.96	46.00	-10.04	peak	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%



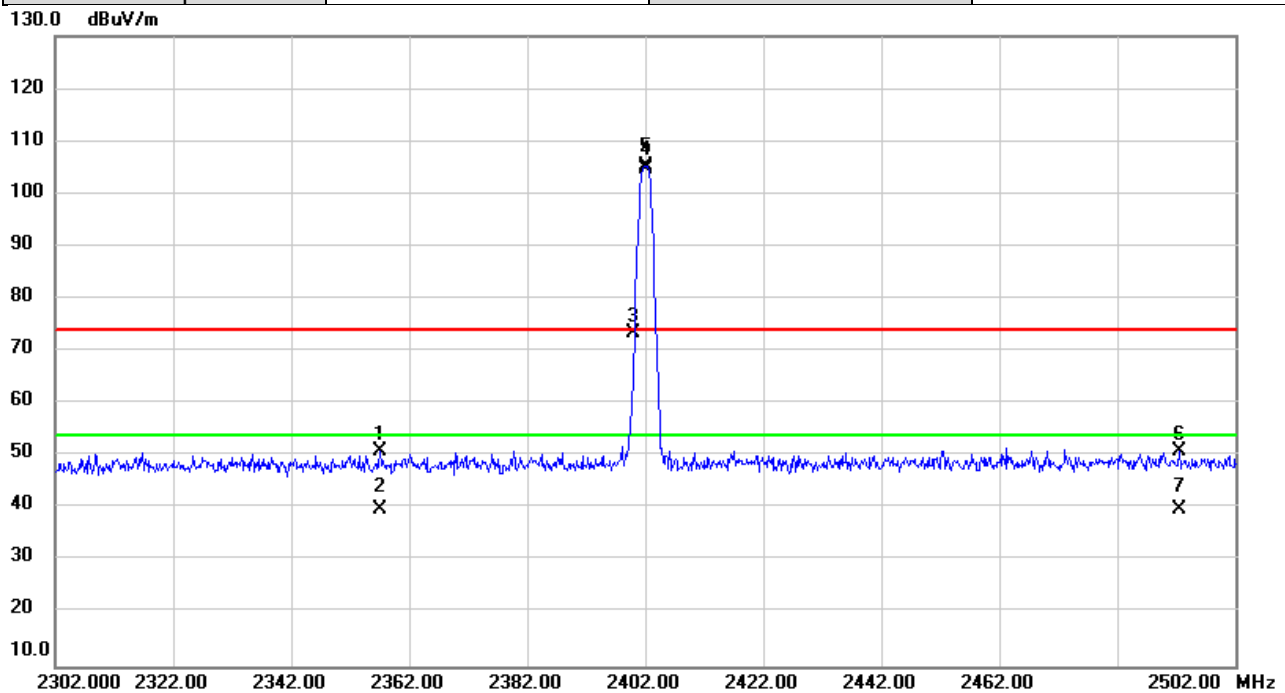
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		93.2440	49.06	-17.35	31.71	43.50	-11.79	QP	
2	*	192.6043	51.92	-14.50	37.42	43.50	-6.08	peak	
3		311.8496	45.87	-10.72	35.15	46.00	-10.85	QP	
4		468.6986	39.00	-6.73	32.27	46.00	-13.73	peak	
5		647.6312	34.08	-3.31	30.77	46.00	-15.23	peak	
6		803.9306	30.56	-0.47	30.09	46.00	-15.91	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 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%



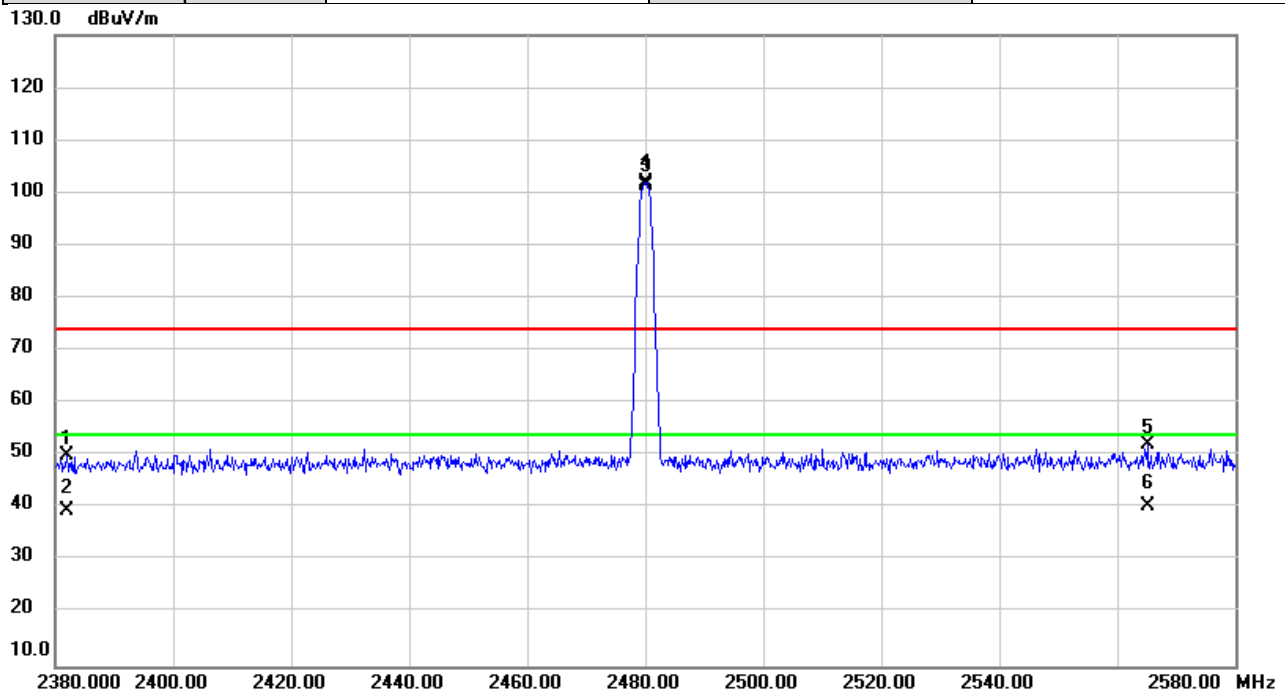
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2357.127	55.36	-4.28	51.08	74.00	-22.92	peak	
2		2357.127	44.19	-4.28	39.91	54.00	-14.09	AVG	
3		2400.000	77.62	-4.20	73.42	74.00	-0.58	peak	No Limit
4	X	2402.000	109.56	-4.21	105.35	74.00	31.35	peak	No Limit
5	*	2402.000	108.83	-4.21	104.62	54.00	50.62	AVG	No Limit
6		2492.493	55.08	-4.05	51.03	74.00	-22.97	peak	
7		2492.493	43.96	-4.05	39.91	54.00	-14.09	AVG	

REMARKS:

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

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

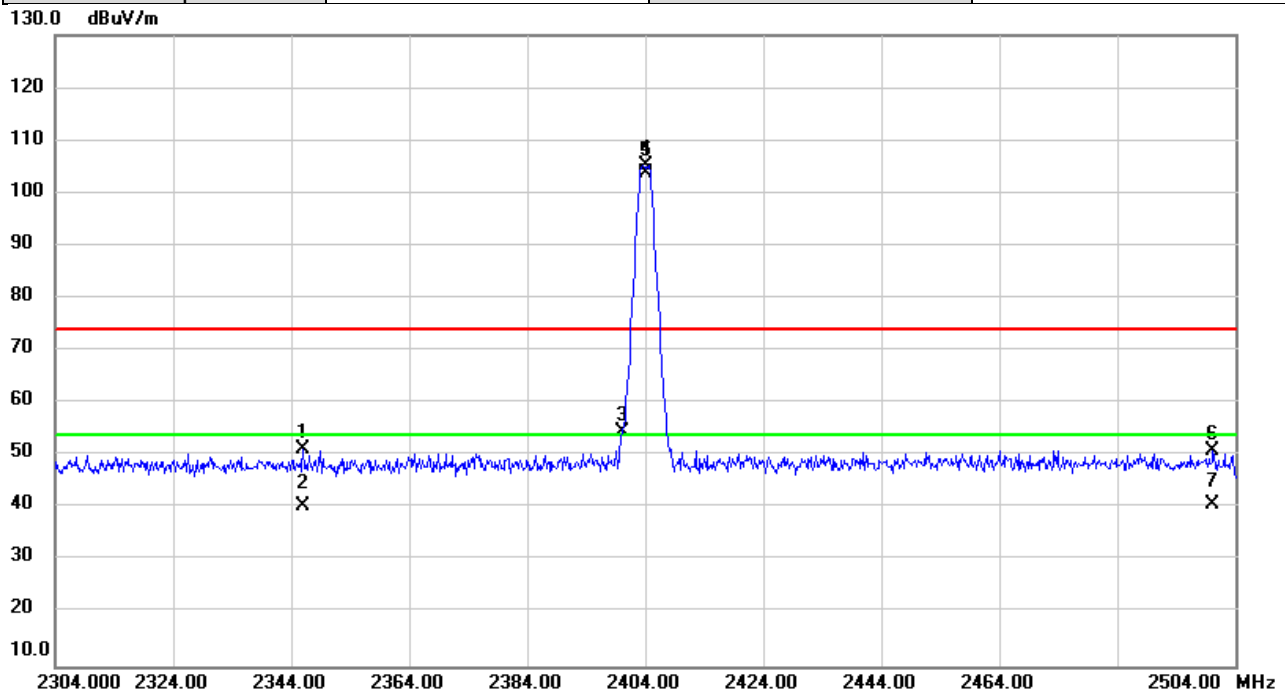


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2381.967	54.21	-4.24	49.97	74.00	-24.03	peak	
2		2381.967	43.87	-4.24	39.63	54.00	-14.37	AVG	
3	X	2480.000	105.92	-4.06	101.86	74.00	27.86	peak	No Limit
4	*	2480.000	105.36	-4.06	101.30	54.00	47.30	AVG	No Limit
5		2565.113	55.82	-3.76	52.06	74.00	-21.94	peak	
6		2565.113	44.27	-3.76	40.51	54.00	-13.49	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2404MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%



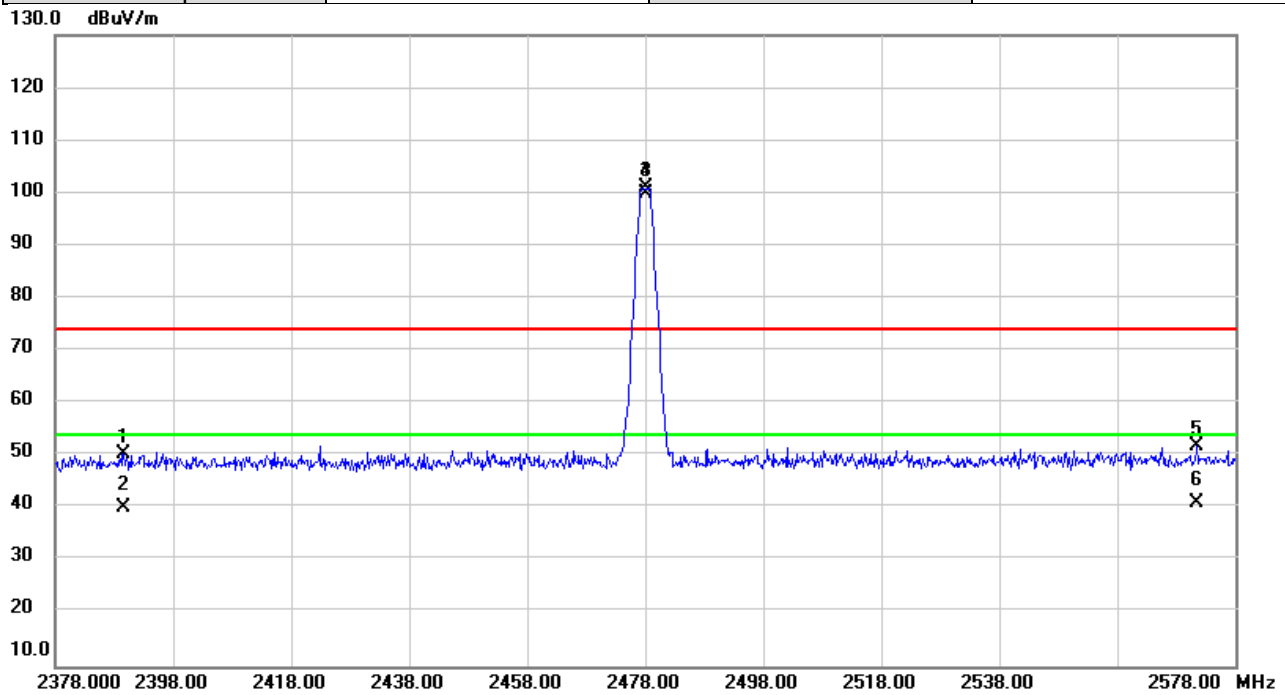
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2346.047	55.49	-4.30	51.19	74.00	-22.81	peak	
2		2346.047	44.86	-4.30	40.56	54.00	-13.44	AVG	
3		2400.000	58.75	-4.20	54.55	74.00	-19.45	peak	No Limit
4	X	2404.000	109.45	-4.20	105.25	74.00	31.25	peak	No Limit
5	*	2404.000	107.98	-4.20	103.78	54.00	49.78	AVG	No Limit
6		2500.247	55.01	-4.03	50.98	74.00	-23.02	peak	
7		2500.247	44.76	-4.03	40.73	54.00	-13.27	AVG	

REMARKS:

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

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

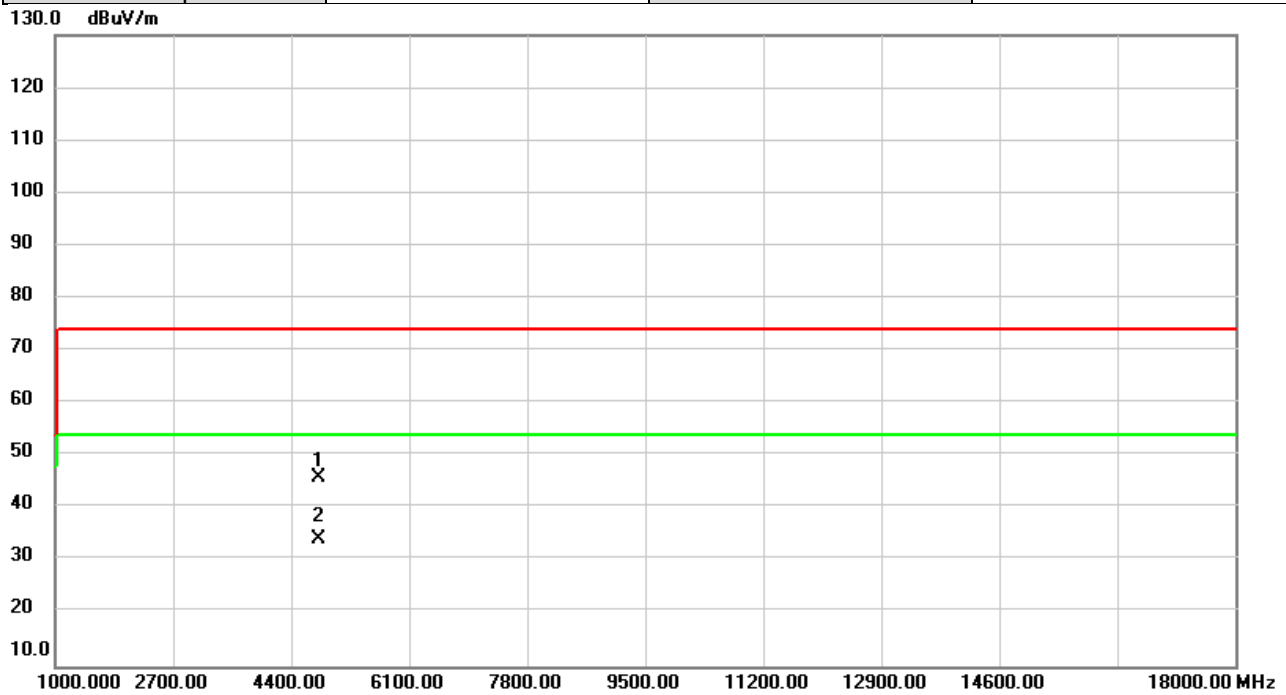


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.687	54.57	-4.22	50.35	74.00	-23.65	peak	
2		2389.687	44.50	-4.22	40.28	54.00	-13.72	AVG	
3	X	2478.000	105.18	-4.07	101.11	74.00	27.11	peak	No Limit
4	*	2478.000	103.80	-4.07	99.73	54.00	45.73	AVG	No Limit
5		2571.407	55.49	-3.74	51.75	74.00	-22.25	peak	
6		2571.407	44.80	-3.74	41.06	54.00	-12.94	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2402MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

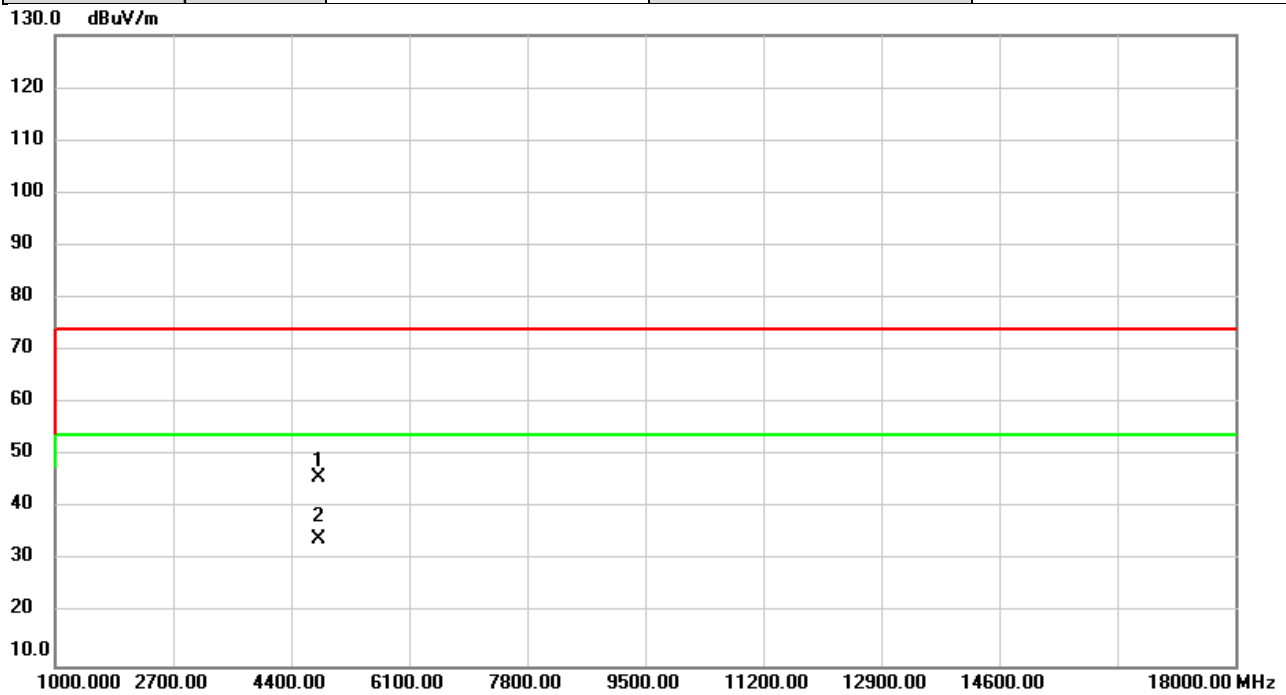


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	43.69	2.28	45.97	74.00	-28.03	peak	
2	*	4804.000	31.96	2.28	34.24	54.00	-19.76	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

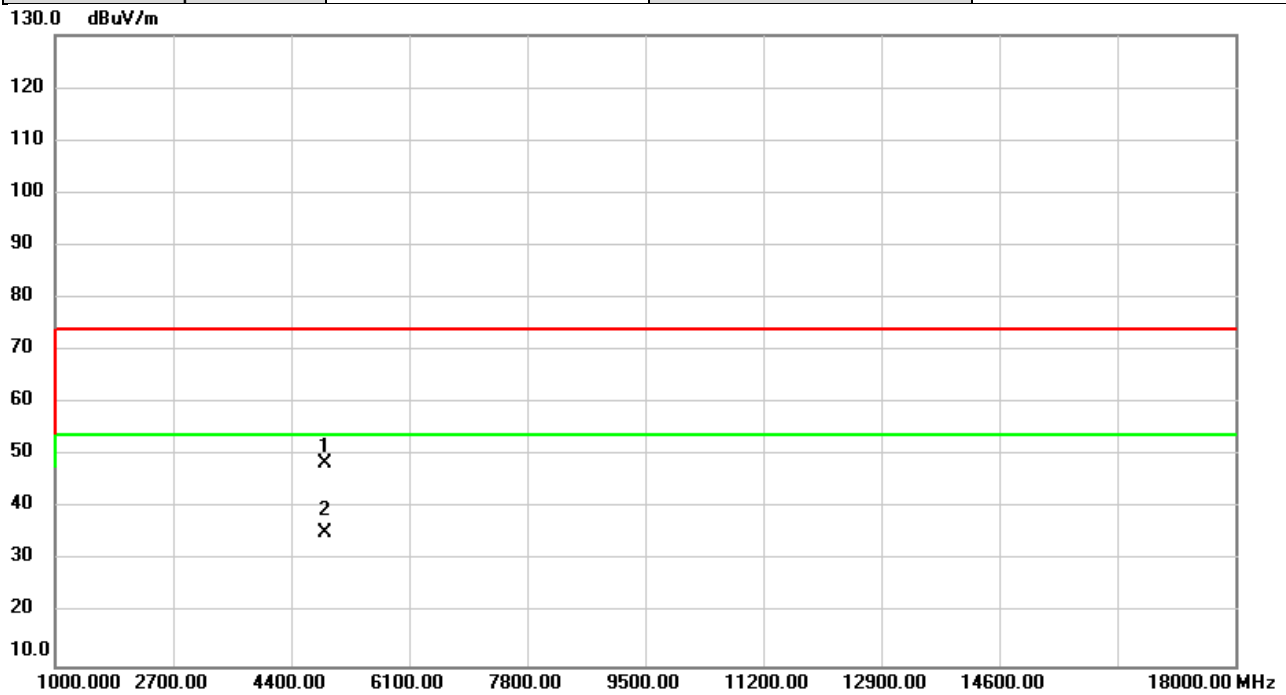


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	43.45	2.28	45.73	74.00	-28.27	peak	
2	*	4804.000	31.80	2.28	34.08	54.00	-19.92	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2440MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

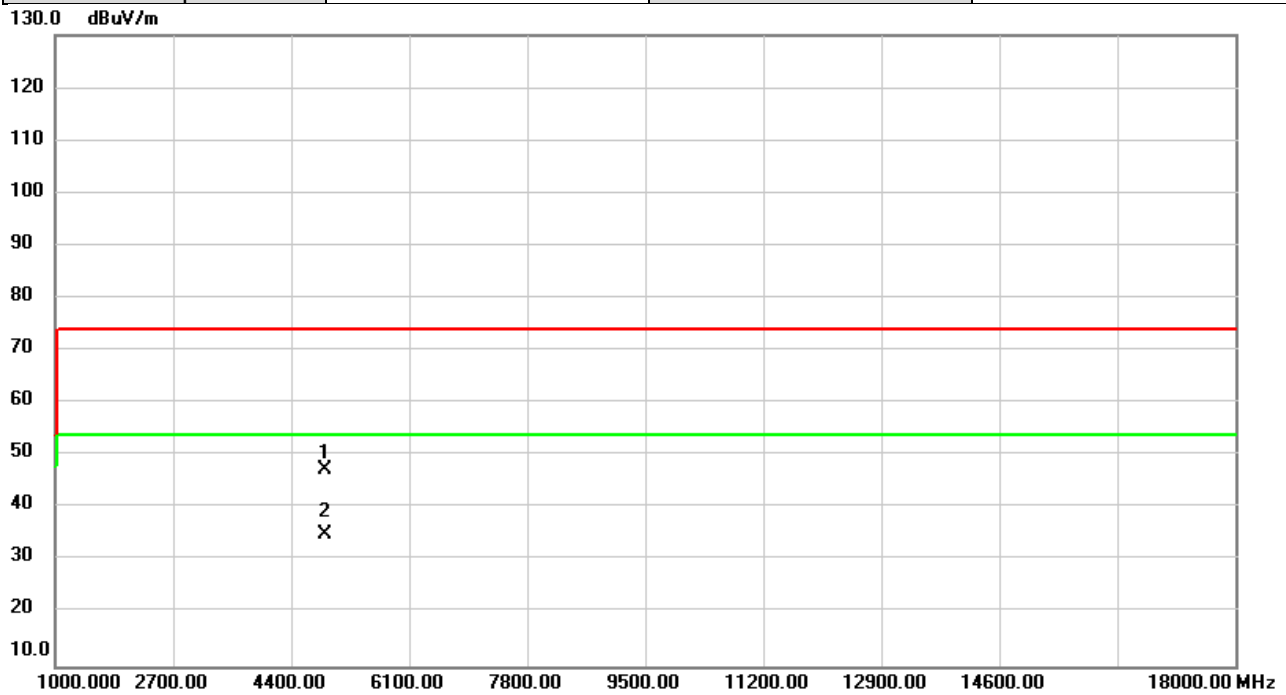


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	46.19	2.50	48.69	74.00	-25.31	peak	
2	*	4880.000	32.80	2.50	35.30	54.00	-18.70	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2440MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

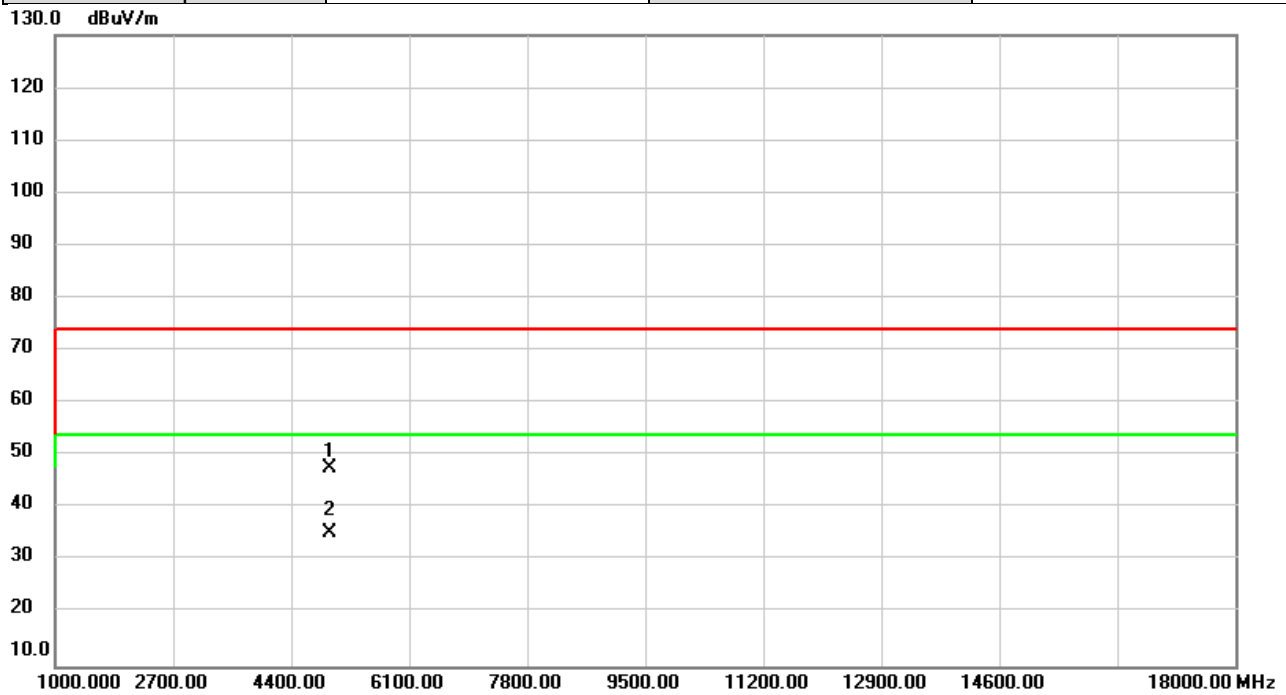


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	44.88	2.50	47.38	74.00	-26.62	peak	
2	*	4880.000	32.69	2.50	35.19	54.00	-18.81	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2480MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

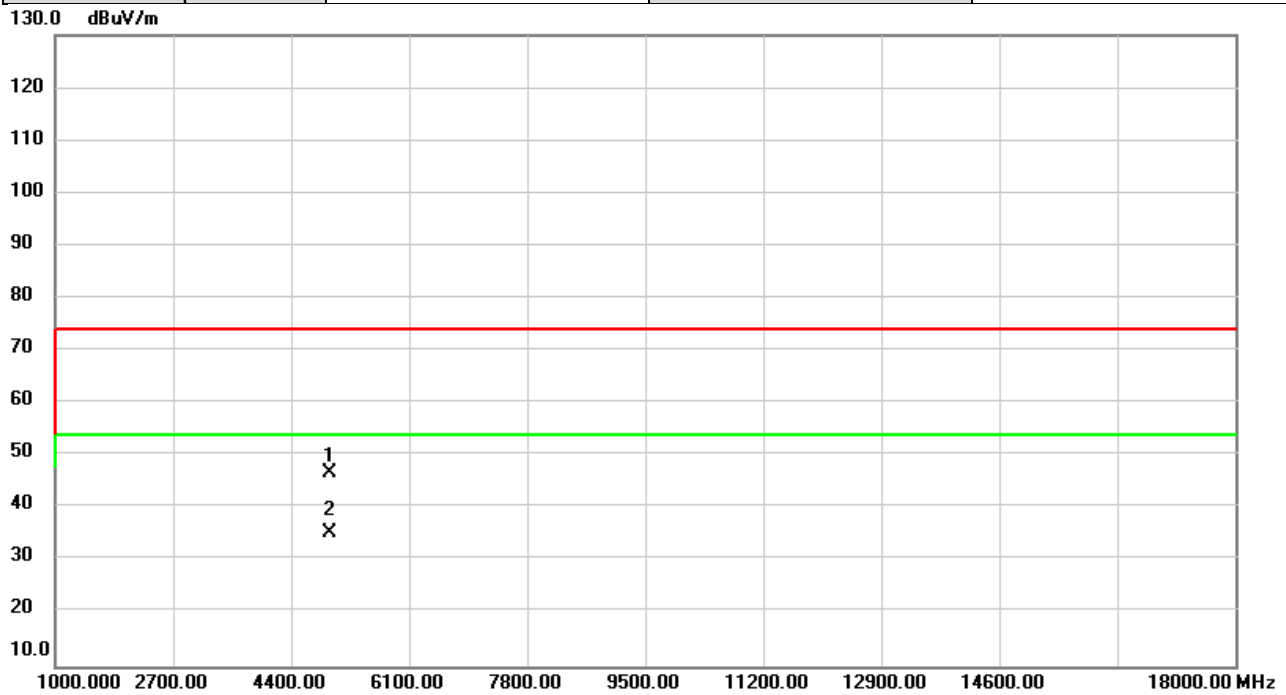


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	44.82	2.73	47.55	74.00	-26.45	peak	
2	*	4960.000	32.65	2.73	35.38	54.00	-18.62	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (1 Mbps)	Test Date	2025/10/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

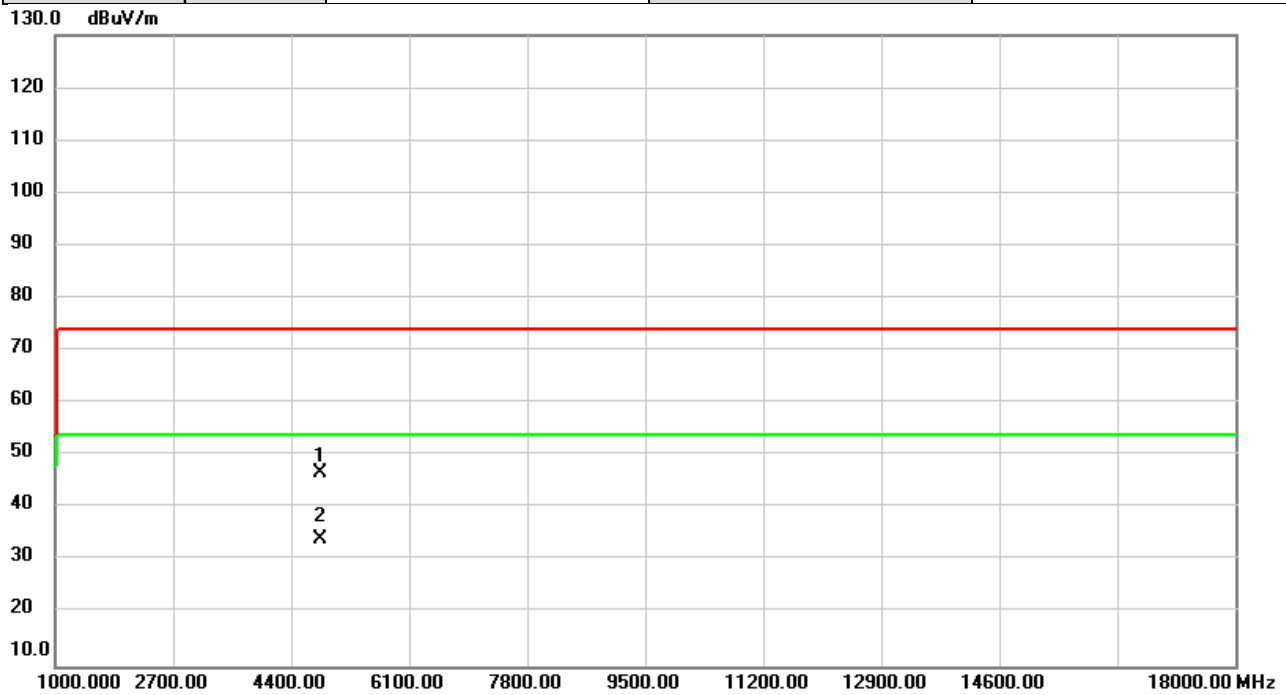


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	43.94	2.73	46.67	74.00	-27.33	peak	
2	*	4960.000	32.63	2.73	35.36	54.00	-18.64	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2404MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

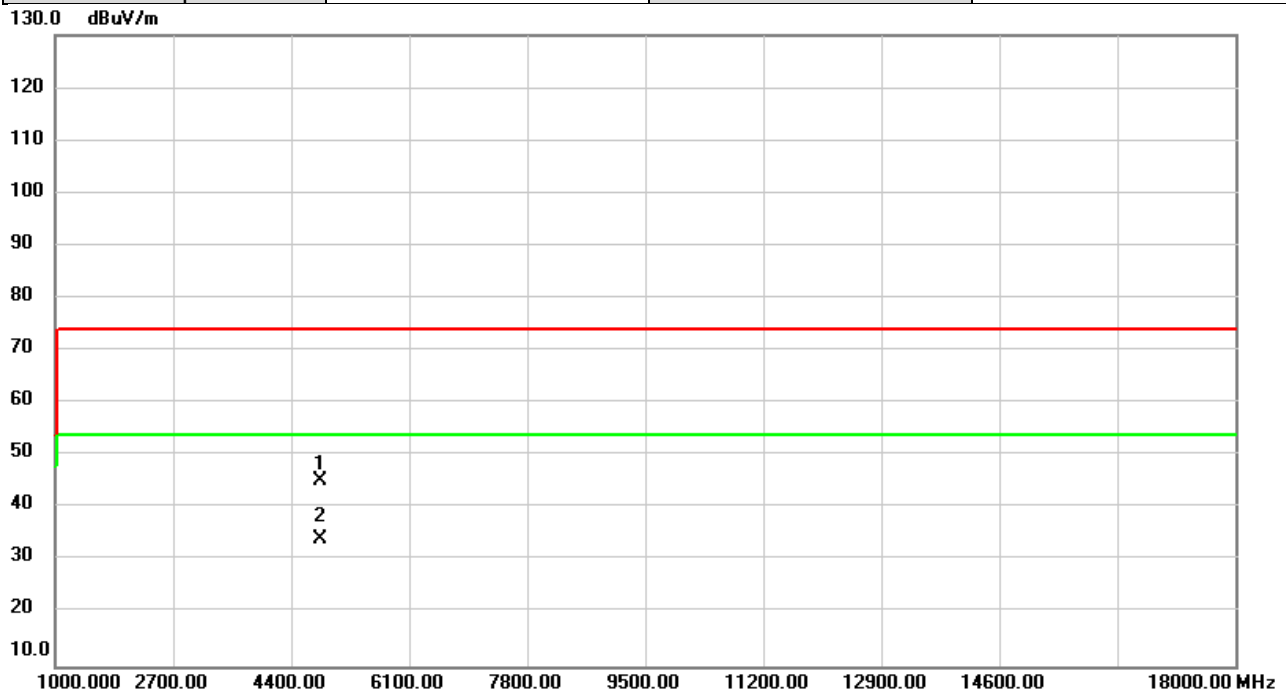


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4808.000	44.51	2.29	46.80	74.00	-27.20	peak	
2	*	4808.000	31.79	2.29	34.08	54.00	-19.92	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2404MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

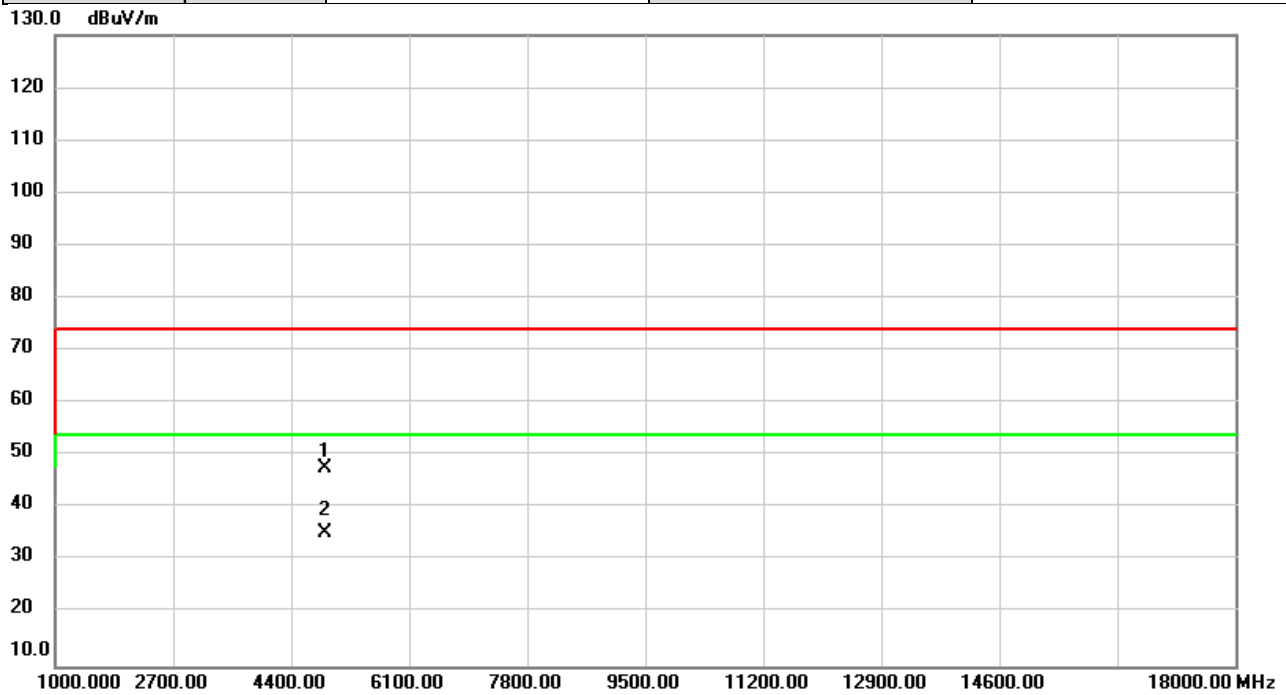


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4808.000	42.97	2.29	45.26	74.00	-28.74	peak	
2	*	4808.000	31.83	2.29	34.12	54.00	-19.88	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2440MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

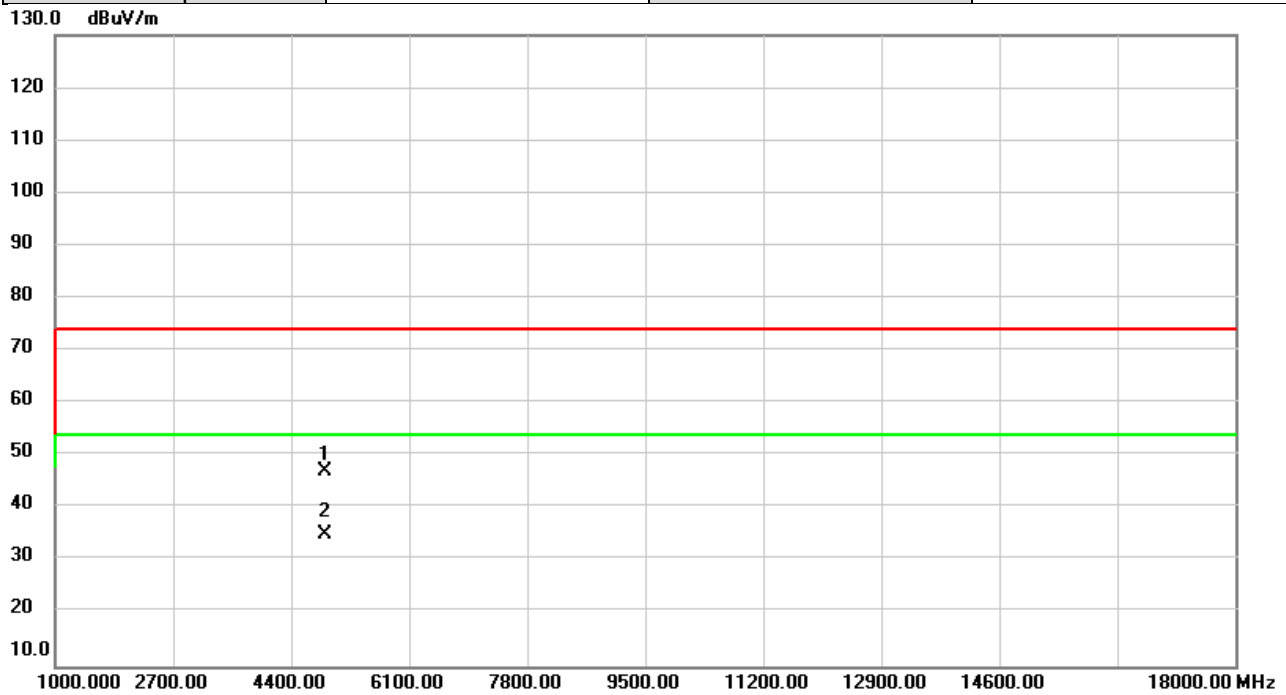


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	45.13	2.50	47.63	74.00	-26.37	peak	
2	*	4880.000	32.71	2.50	35.21	54.00	-18.79	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2440MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

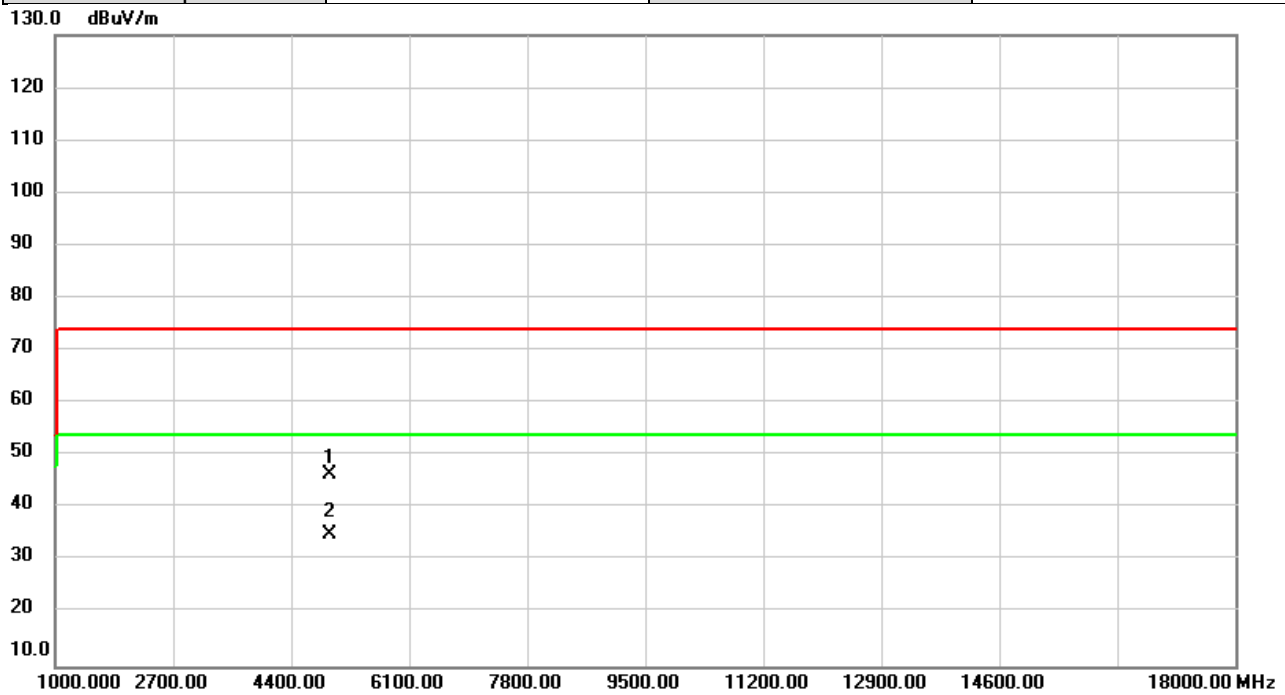


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	44.59	2.50	47.09	74.00	-26.91	peak	
2	*	4880.000	32.44	2.50	34.94	54.00	-19.06	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

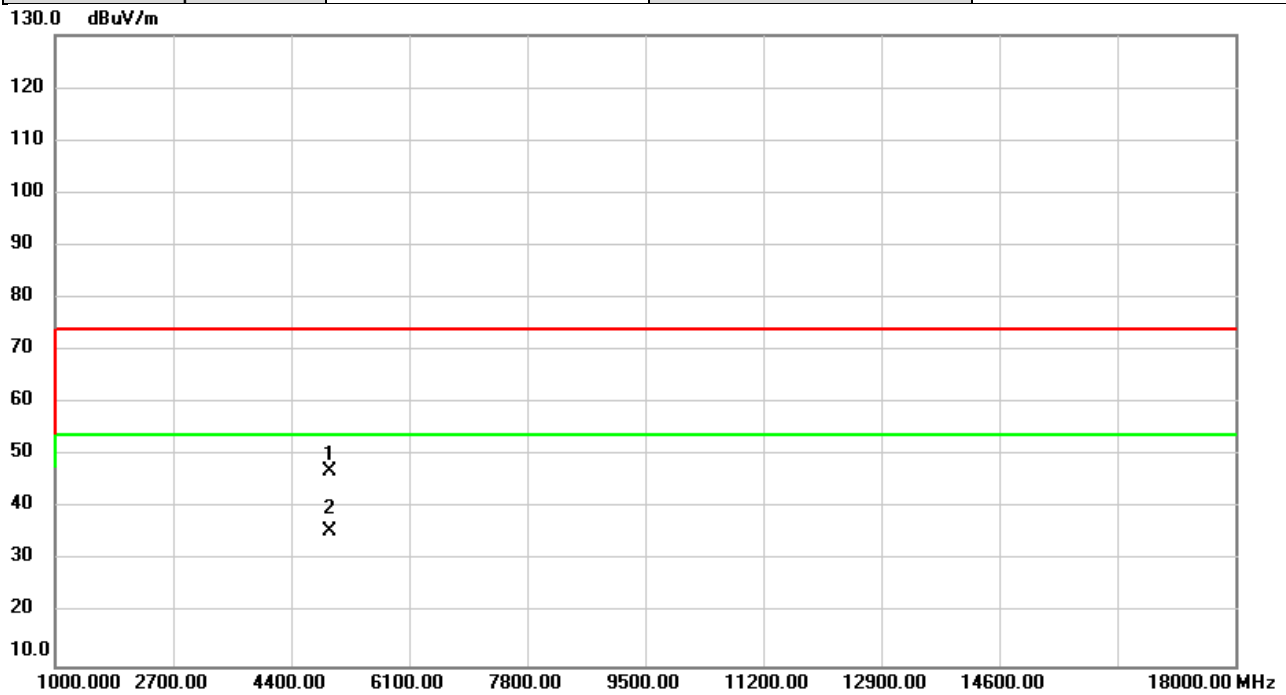


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4956.000	43.70	2.71	46.41	74.00	-27.59	peak	
2	*	4956.000	32.41	2.71	35.12	54.00	-18.88	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%

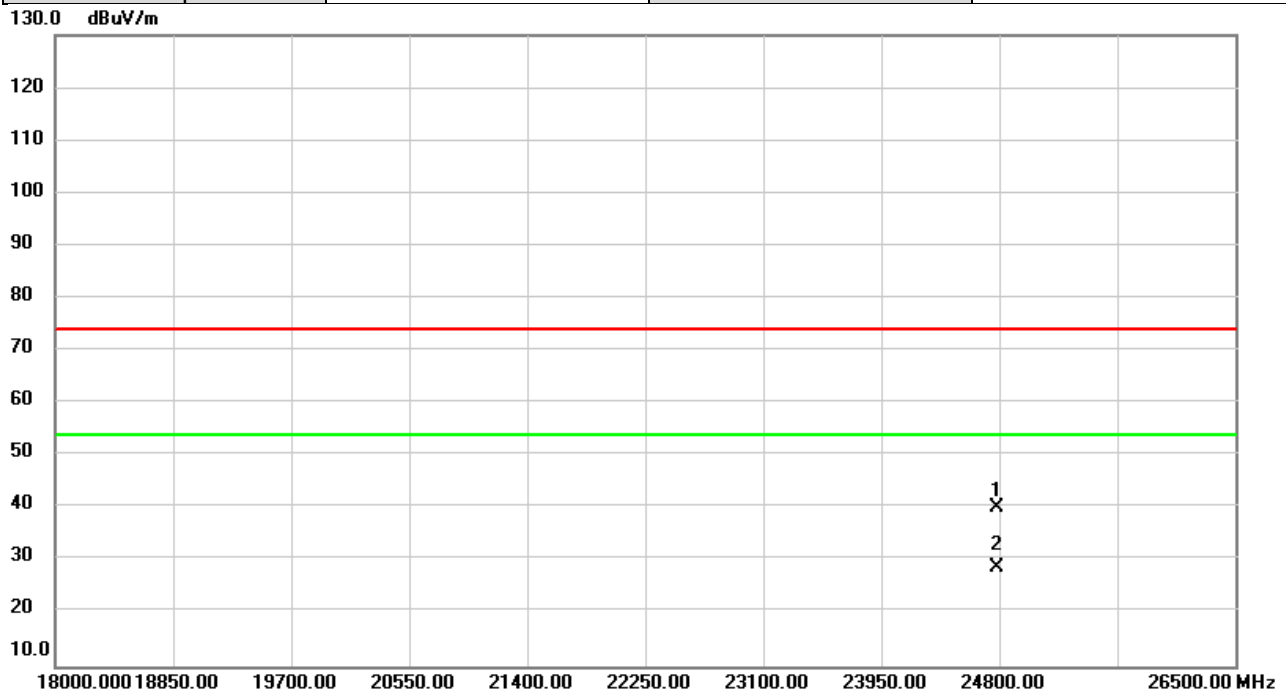


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4956.000	44.34	2.71	47.05	74.00	-26.95	peak	
2	*	4956.000	32.94	2.71	35.65	54.00	-18.35	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Vertical
Temp	27°C	Hum.	55%

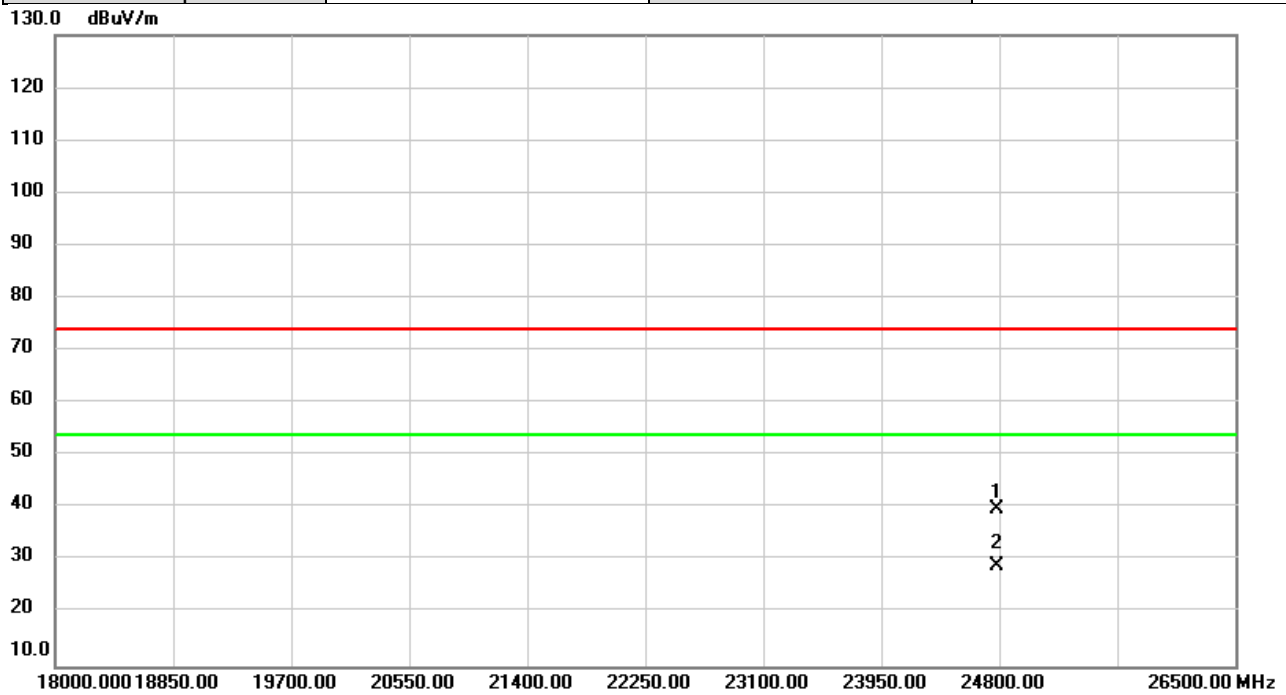


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		24780.00	48.64	-8.39	40.25	74.00	-33.75	peak	
2	*	24780.00	37.21	-8.39	28.82	54.00	-25.18	AVG	

REMARKS:

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

Test Mode	BLE 5.0 (2 Mbps)	Test Date	2025/10/7
Test Frequency	2478MHz	Polarization	Horizontal
Temp	27°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		24780.00	48.26	-8.39	39.87	74.00	-34.13	peak	
2	*	24780.00	37.38	-8.39	28.99	54.00	-25.01	AVG	

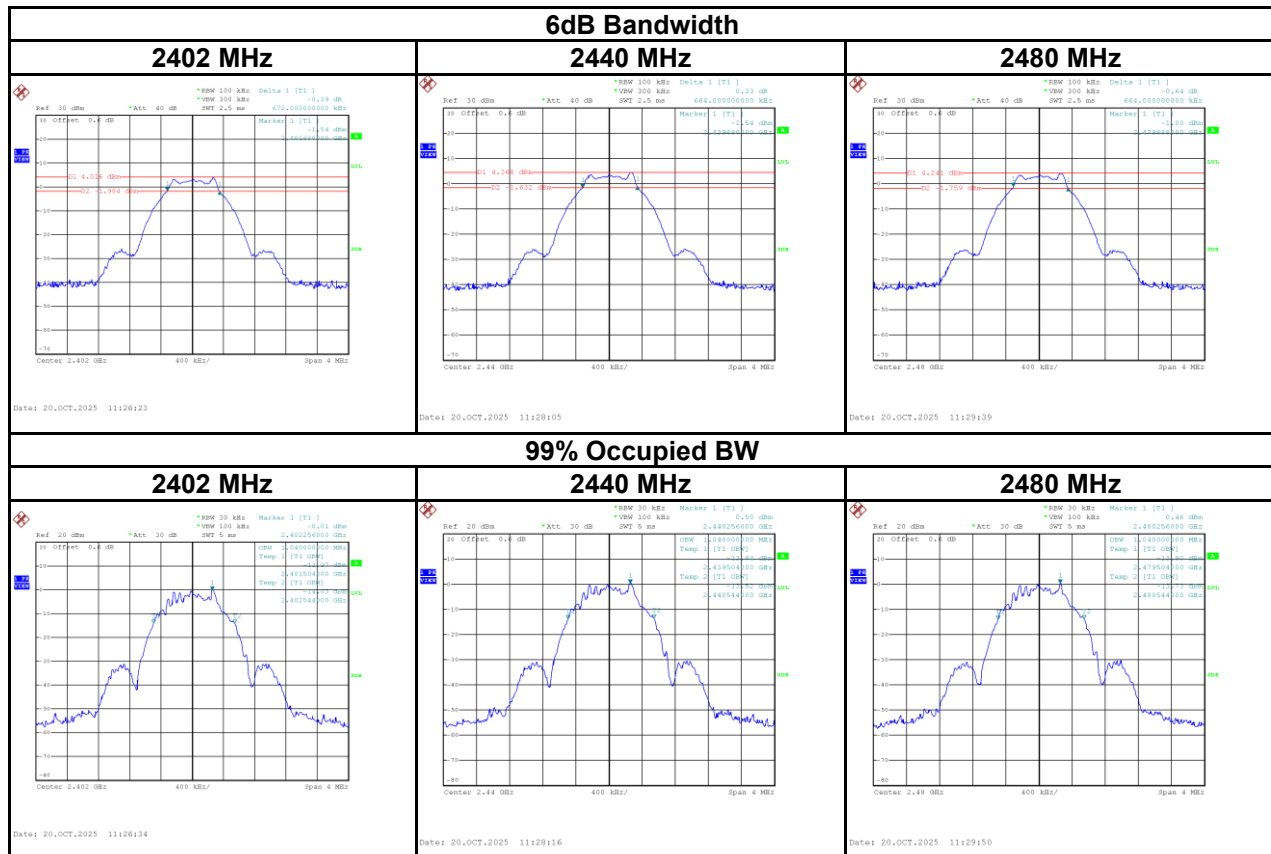
REMARKS:

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

APPENDIX E BANDWIDTH

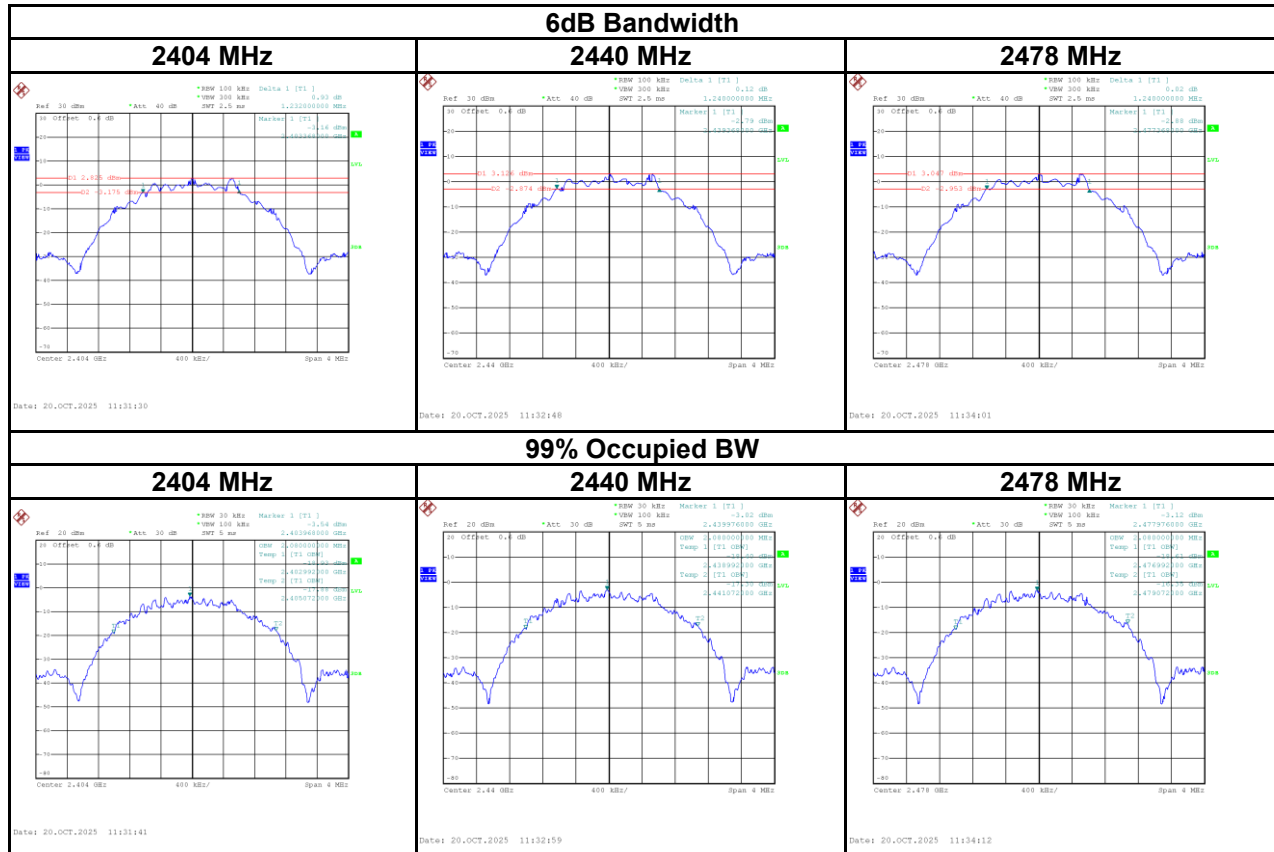
Test Mode:	1Mbps
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Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.67	1.04	500	Pass
2440	0.66	1.04	500	Pass
2480	0.66	1.04	500	Pass



Test Mode:	2Mbps
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Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2404	1.23	2.08	500	Pass
2440	1.24	2.08	500	Pass
2478	1.24	2.08	500	Pass



APPENDIX F OUTPUT POWER

Test Mode :	1Mbps	Tested Date	2025/10/7~ 2025/10/20
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2402	4.07	0.0026	30.00	1.0000	Pass
2440	4.41	0.0028	30.00	1.0000	Pass
2480	4.20	0.0026	30.00	1.0000	Pass

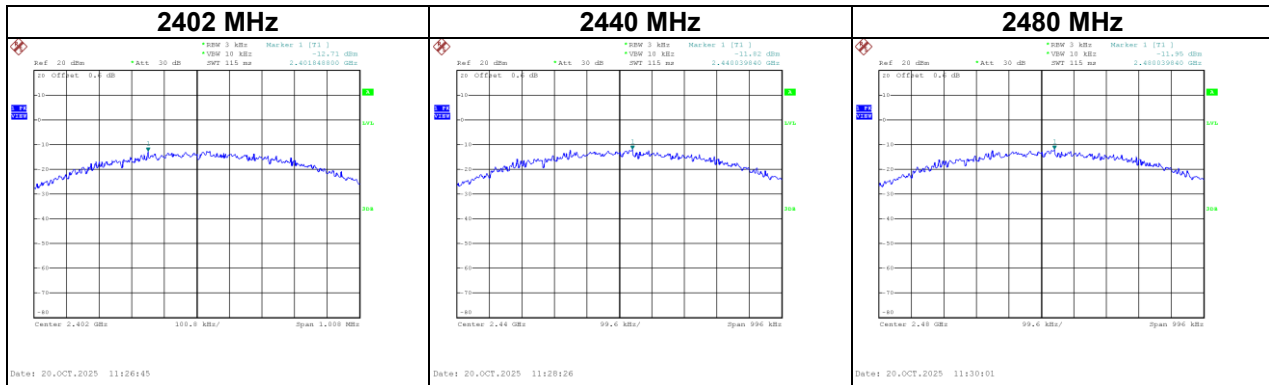
Test Mode :	2Mbps	Tested Date	2025/10/7~ 2025/10/20
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2404	4.10	0.0026	30.00	1.0000	Pass
2440	4.41	0.0028	30.00	1.0000	Pass
2478	4.22	0.0026	30.00	1.0000	Pass

APPENDIX G POWER SPECTRAL DENSITY TEST

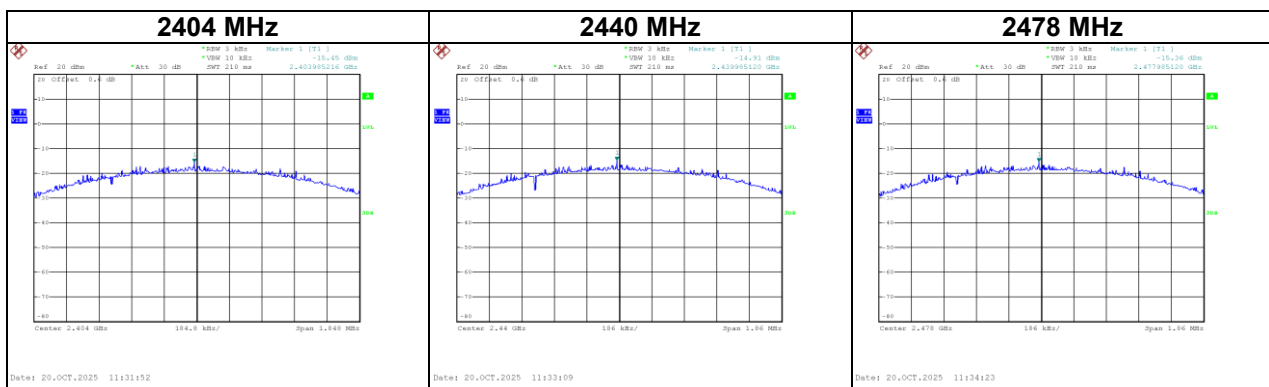
Test Mode :	1Mbps
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Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-12.71	8	Pass
2440	-11.82	8	Pass
2480	-11.95	8	Pass



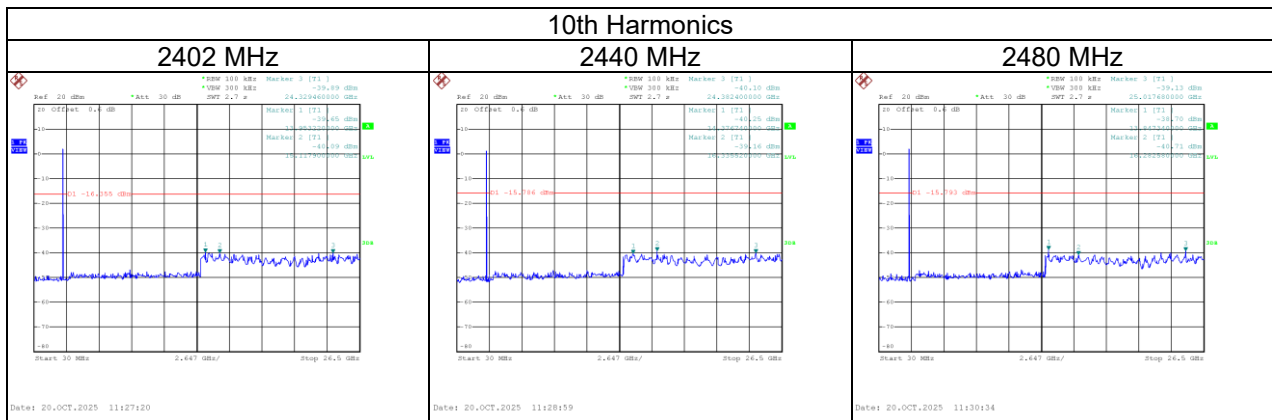
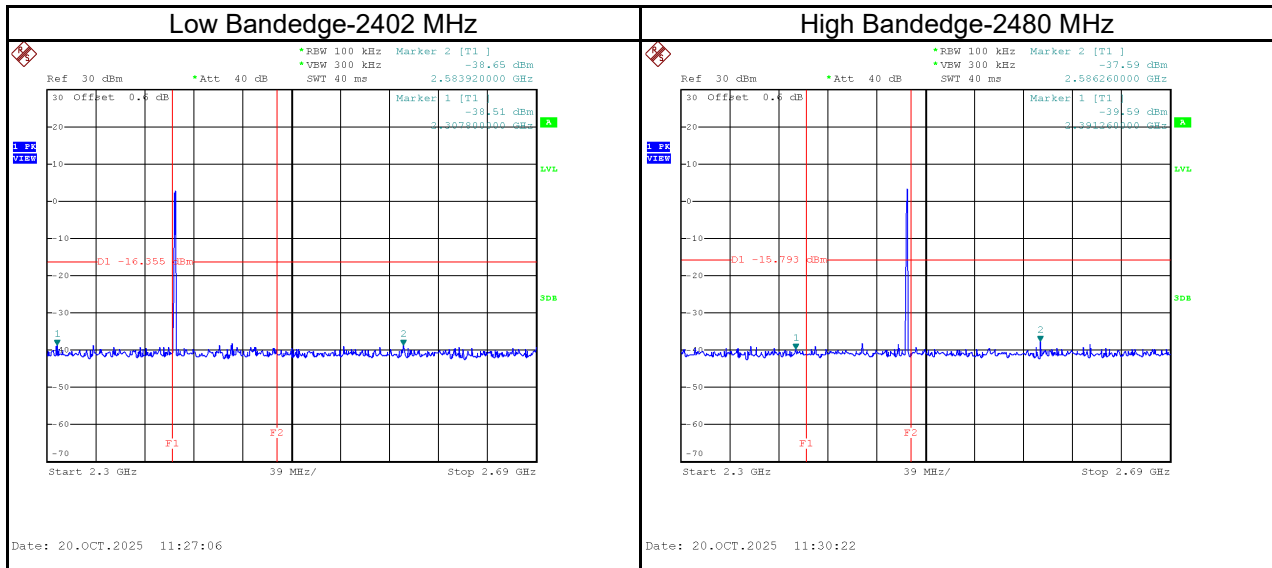
Test Mode :	2Mbps
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Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2404	-15.45	8	Pass
2440	-14.91	8	Pass
2478	-15.36	8	Pass

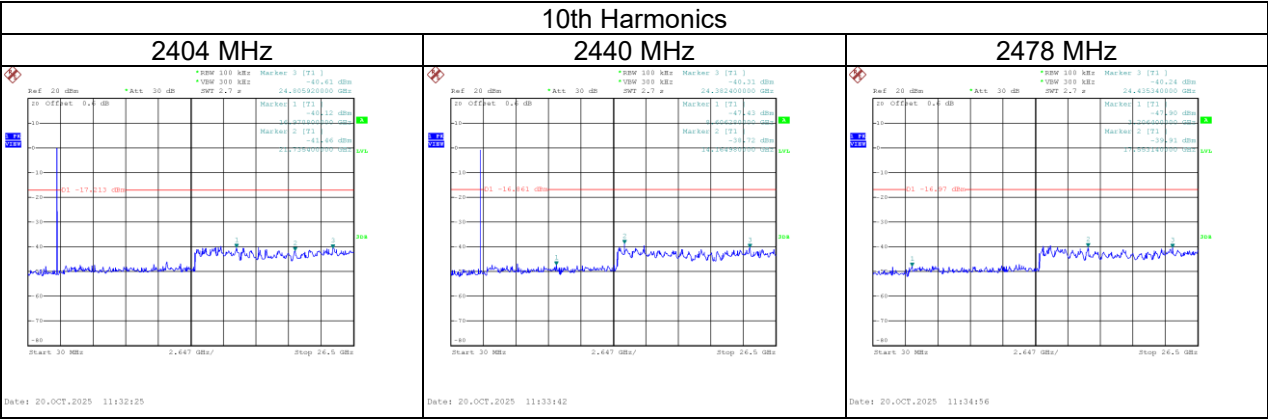
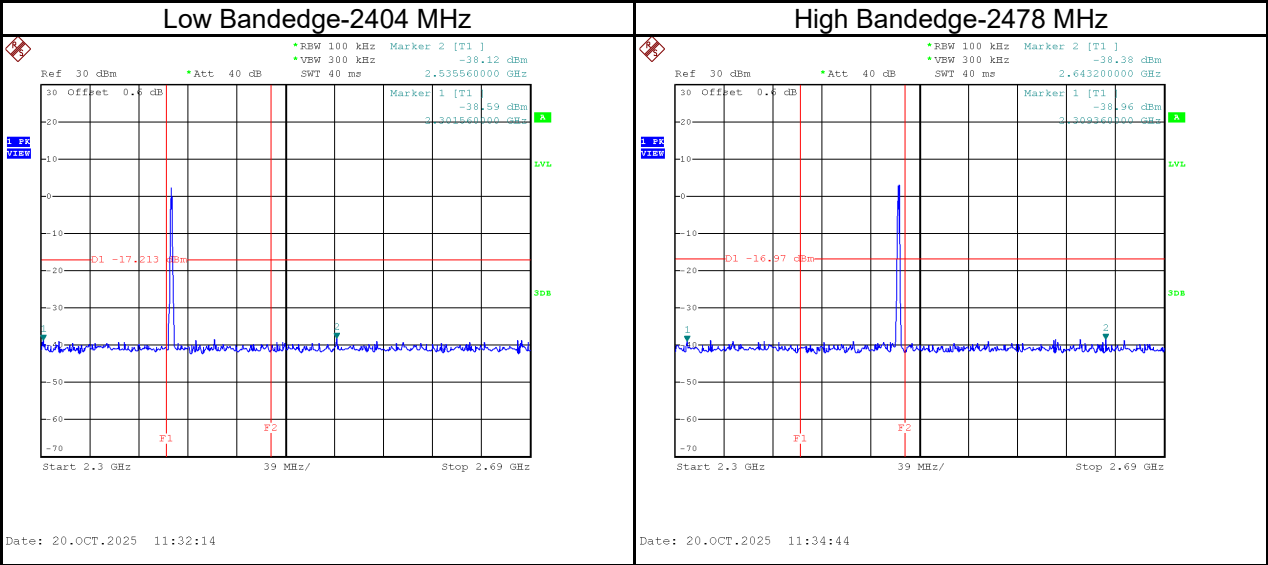


APPENDIX H ANTENNA CONDUCTED SPURIOUS EMISSION

Test Mode : 1Mbps



Test Mode : 2Mbps



End of Test Report