

FCC Radio Test Report

FCC ID: JFZM50XSTS-WL

Report No. : BTL-FCCP-1-2601T004
Equipment : Streaming Headset
Model Name : ATH-M50xSTS-WL
Brand Name : audio-technica
Applicant : Audio-Technica Corporation
Address : 2-46-1 Nishi-naruse, Machida, Tokyo 194-8666, Japan

Radio Function : Short Range Devices

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.249)
Measurement Procedure(s) : ANSI C63.10-2020

Date of Receipt : 2026/1/21
Date of Test : 2026/3/12 ~ 2026/3/17
Issued Date : 2026/5/22

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-1-2601T004	R00	Original Report.	2026/5/14	Invalid
BTL-FCCP-1-2601T004	R01	Revised equipment name.	2026/5/22	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 B	Pass	-----
15.205 15.209 15.249(a)(d)	Radiated Emissions	APPENDIX C APPENDIX D APPENDIX E	Pass	-----
15.215(c)	Bandwidth	APPENDIX F	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. 64, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC RN: 674415) (FCC DN: TW0659)

☐ C01 ☒ CB20

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

☒ SR05 ☒ SR06

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	150 kHz ~ 30 MHz	3.22	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB20 (3m)	0.03~0.2	4.01
	0.2~1	4.64
	1 ~ 6	5.91
	6 ~ 18	6.24
	18 ~ 26	3.93
	26 ~ 40	4.06

C. Conducted test :

Test Item	U (dB)
Bandwidth	0.5334

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	23.1 °C, 46 %	AC 120V	Easton Tsai
Radiated emissions below 1 GHz	Refer to data	AC 120V	Benny Cao
Radiated emissions above 1 GHz	Refer to data	AC 120V	Benny Cao
Bandwidth	24 °C, 50 %	AC 120V	Cheng Tsai

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

For Ant0:

Test Software Version	Synic_upgrade_25xx_V1.3.6_25052001			
Modulation Mode	2402 MHz	2439 MHz	2480 MHz	Data Rate
SRD	9	10	8	1 Mbps

For Ant1:

Test Software Version	Synic_upgrade_25xx_V1.3.6_25052001			
Modulation Mode	2402 MHz	2439 MHz	2480 MHz	Data Rate
SRD	9	10	8	1 Mbps

1.5 DUTY CYCLE

Please refer to the APPENDIX A.

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Streaming Headset
Model Name	ATH-M50xSTS-WL
Brand Name	audio-technica
Model Difference	N/A
Power Source	1) Supplied from Type-C Port. 2) Supplied from battery (AEC653548).
Power Rating	1) DC 5V, 0.5A 2) 3.7V, 1150mAh, 4.26Wh
Products Covered	1 * USB Dongle 1 * USB Cable 1 * USB Adapter
Frequency Range	2400 MHz ~ 2483.5 MHz
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Technology	GFSK
Transfer Rate	1 Mbps
Field Strength	93.69 dBμV/m @ 3 m (AVG)
Test Model	ATH-M50xSTS-WL
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:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
02	2402	29	2429	57	2457
06	2406	34	2434	62	2462
10	2410	39	2439	67	2467
14	2414	44	2444	72	2472
19	2419	49	2449	76	2476
24	2424	53	2453	80	2480

(3) Table for Filed Antenna:

Group I:

Antenna	Brand	Part name	Type	Connector	Gain (dBi)
0		H2UB6D1K1B0100	Chip	N/A	-0.4

Group II:

Antenna	Brand	Part name	Type	Connector	Gain (dBi)
1		H2B4BC3F1B1400	FPCB	N/A	4.5

Note: The EUT includes two groups of antenna assemblies, all are evaluated. For Transmitter Radiated Emissions, only the worst cases are recorded.

(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

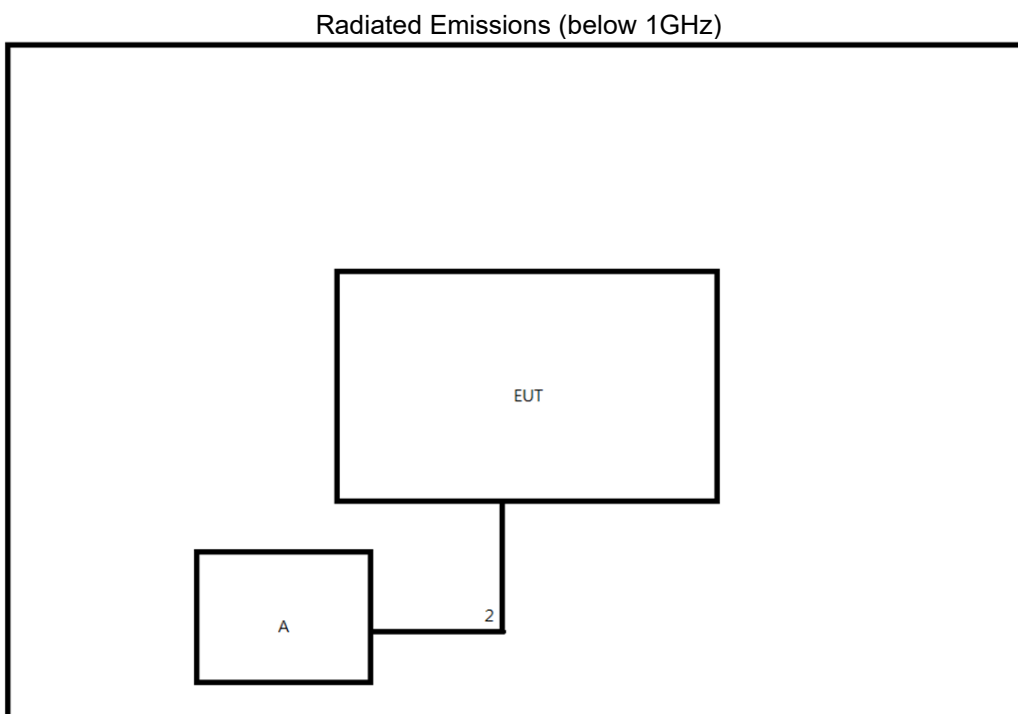
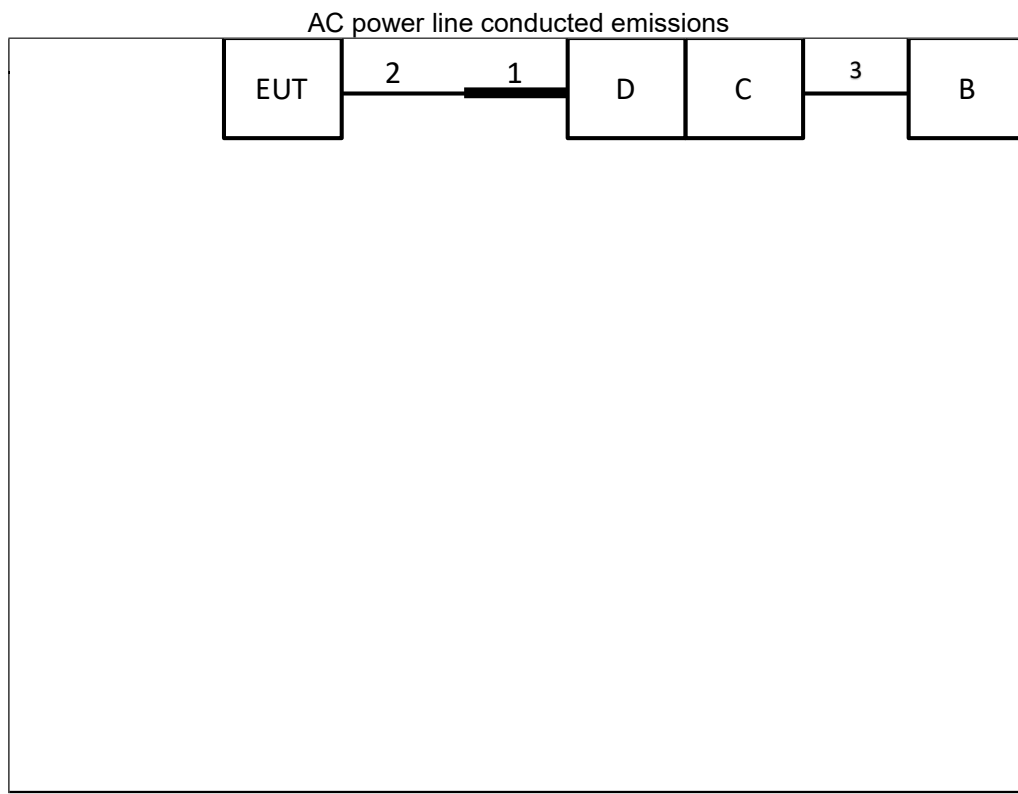
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal	-	-
Transmitter Radiated Emissions (below 1GHz)	SRD	80	-
Transmitter Radiated Emissions (above 1GHz)	SRD	02/39/80	Fundamental
	SRD	02/39/80	Harmonic
Transmitter Radiated Emissions (above 18GHz)	SRD	80	-
Bandwidth	SRD	02/39/80	-

NOTE:

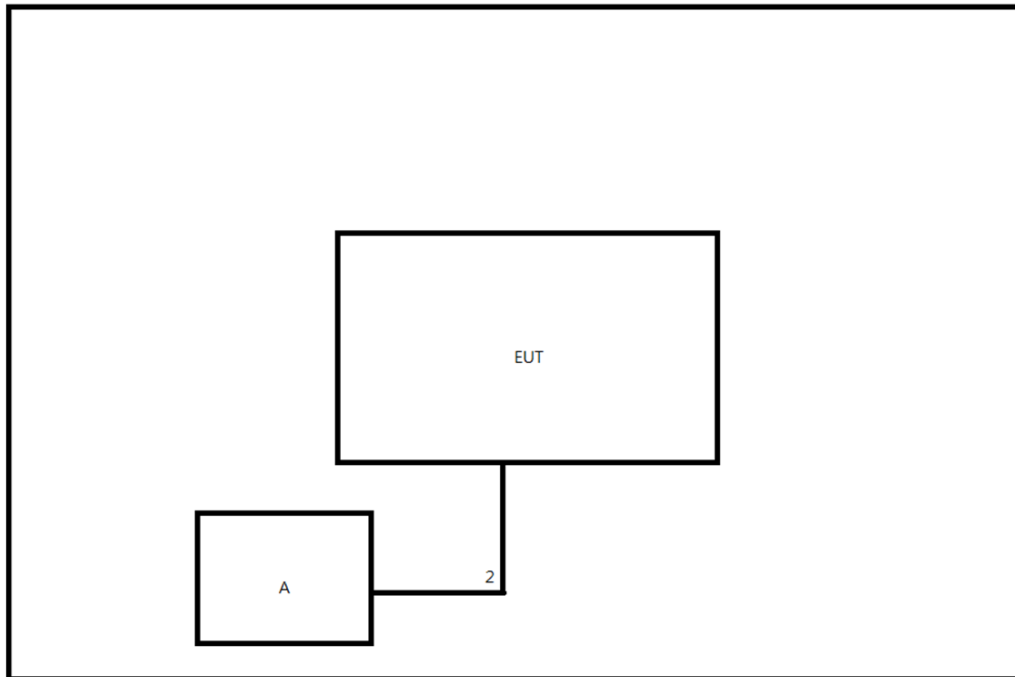
- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.

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.



Radiated Emissions (above 1GHz)



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Notebook	Lenovo	ThinkBook 14 G4 IAP	MP28KHAH	Furnished by test lab.
B	ADP	Chicony	A18-045N1A	N/A	Furnished by test lab.
C	Notebook	Dynabook	Satellite pro C50-H	N/A	Furnished by test lab.
D	Hub	Mi	XMFXQ02QM	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	0.17m	USB Adapter	Supplied by test requester
2	N/A	N/A	2m	USB Cable	Supplied by test requester
3	N/A	N/A	1m	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.

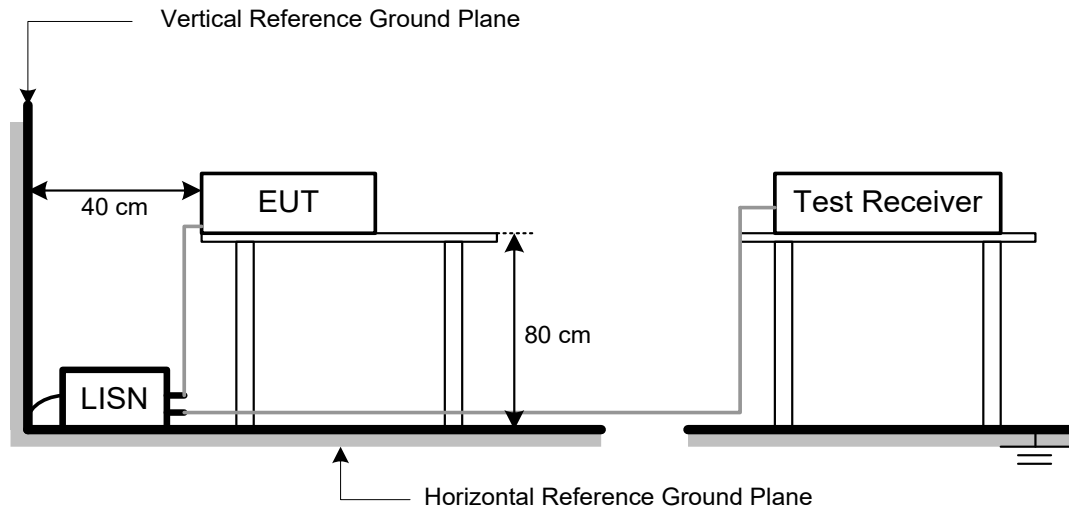
NOTE:

- (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 B.

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 (dBμV)		Correct Factor (dB/m)		Measurement Value (dBμV/m)
41.91	+	-8.36	=	33.55

Measurement Value (dBμV/m)		Limit Value (dBμV/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

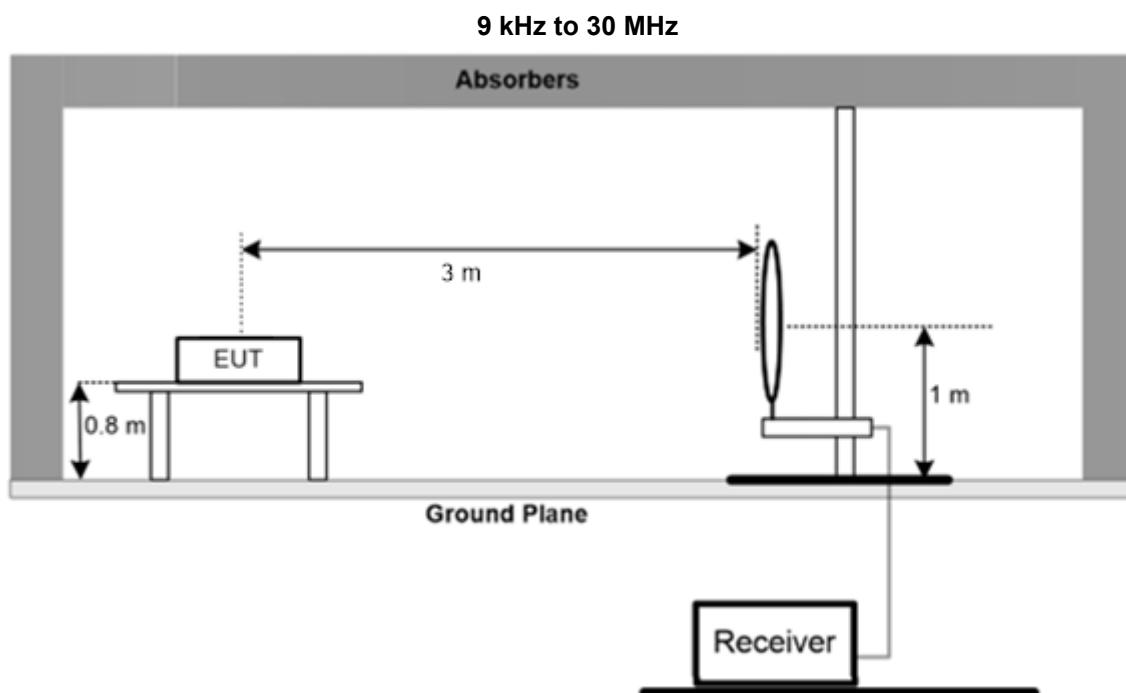
4.2 TEST PROCEDURE

- The measuring distance of 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 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.

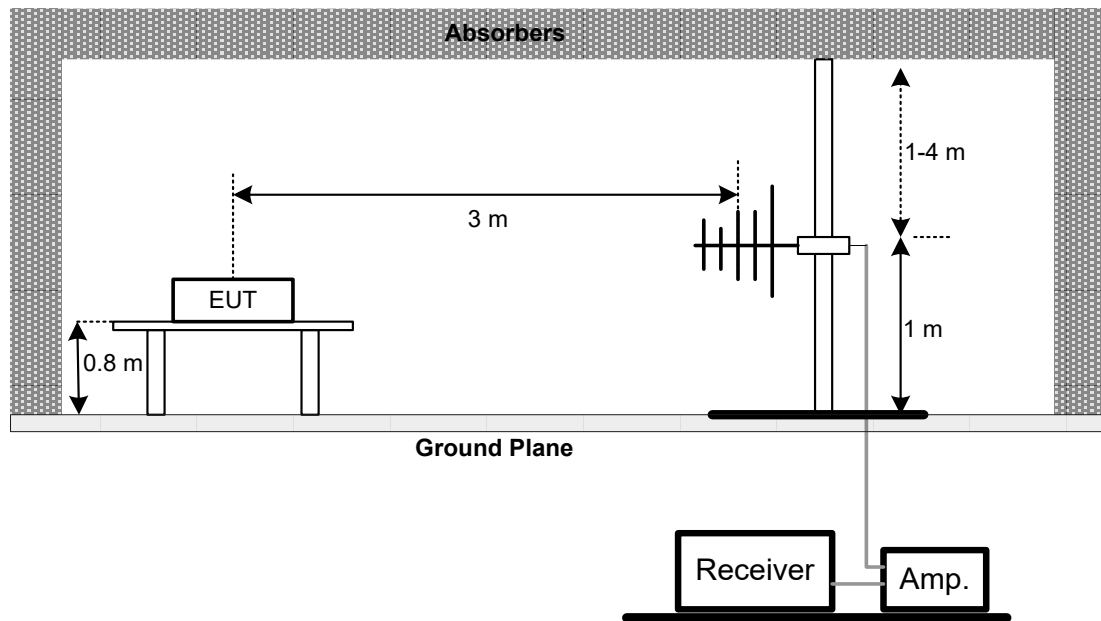
4.3 DEVIATION FROM TEST STANDARD

No deviation.

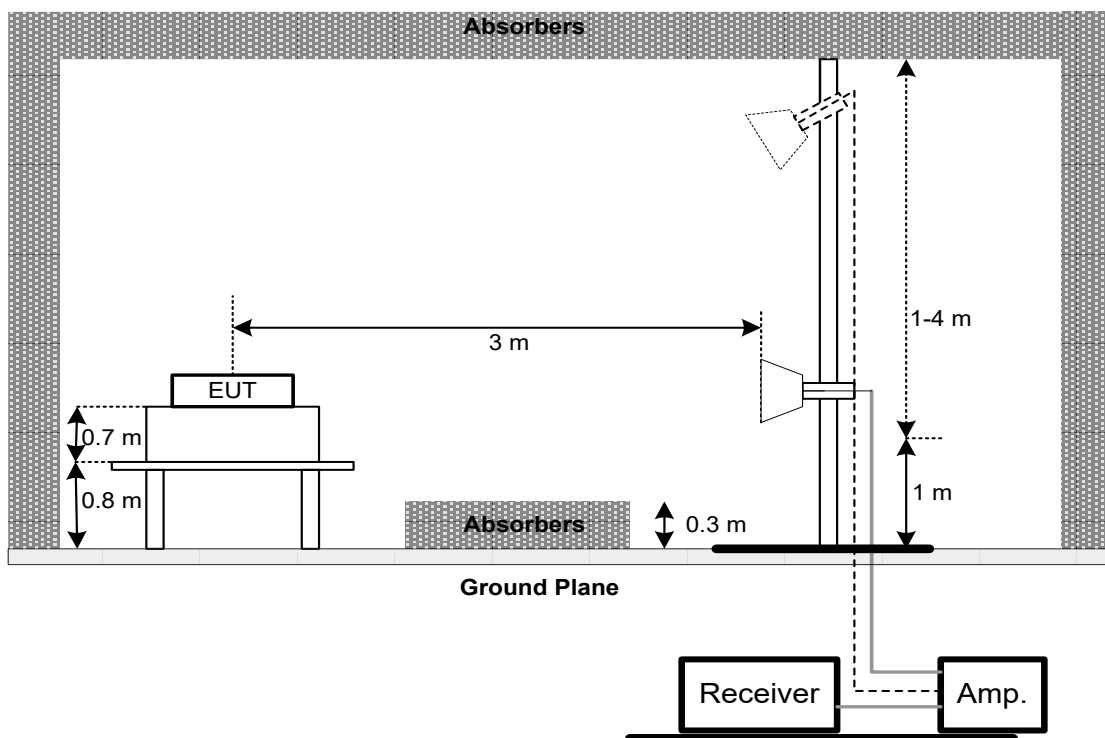
4.4 TEST SETUP



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 C.

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX D.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX E.

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

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

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 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

Please refer to the APPENDIX F.

6 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	Pre-Amplifier	EMCI	EMC184045SE	980512	2025/12/02	2026/12/01
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	340	2025/06/25	2026/06/24
3	Test Cable	EMCI	EMC102-KM-KM-1000	220328	2025/12/02	2026/12/01
4	Test Cable	EMCI	EMC101G-KM-KM-3000	220330	2025/12/02	2026/12/01
5	Broad-Band Horn Antenna	RFSPIN	DRH18-E	210109A18E	2026/01/08	2027/01/07
6	Pre-Amplifier	EMCI	EMC118A45SE	981030	2025/12/02	2026/12/01
7	Test Cable	EMCI	EMC105-KM-KM-1000	210119	2025/12/02	2026/12/01
8	Test Cable	EMCI	EMC105-KM-KM-3000	210118	2025/12/02	2026/12/01
9	Test Cable	EMCI	EMC107-SM-SM-6000	230726	2025/12/02	2026/12/01
10	EXA Spectrum Analyzer	keysight	N9020B	MY59050137	2025/12/1	2026/11/30
11	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1207	2025/12/23	2026/12/22
12	6dB Attenuator	EMCI	EMCI-N-6-06	AT-N0690	2025/12/23	2026/12/22
13	Pre-Amplifier	EMCI	EMC001330	980807	2025/12/02	2026/12/01
14	Test Cable	EMCI	EMC-CFD-400-NM-NM-8000	200343	2025/12/02	2026/12/01
15	Test Cable	EMCI	EMC-CFD-400-NM-NM-3300	200348	2025/12/02	2026/12/01
16	Test Cable	EMCI	EMC8D-NM-NM-5000	150106	2025/12/02	2026/12/01
17	Loop Antenna	Electro-Metrics	EMCI-LPA600	274	2025/07/10	2026/07/09
18	Pre-Amplifier	EMCI	EMC001340	980555	2025/11/30	2026/11/29
19	Measurement Software	Farad	EZ EMC (Ver. 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 30	100854	2025/07/01	2026/06/30
2	10dbAttenuator	INMET	AHC-10dB	1	2025/11/26	2026/11/25
3	BTL-ConducredTest	BTL	1247788684	N/A	N/A	N/A

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

7 EUT TEST PHOTO

Please refer to document Appendix No.: TP-2601T004-FCCP-1 (APPENDIX-TEST PHOTOS).

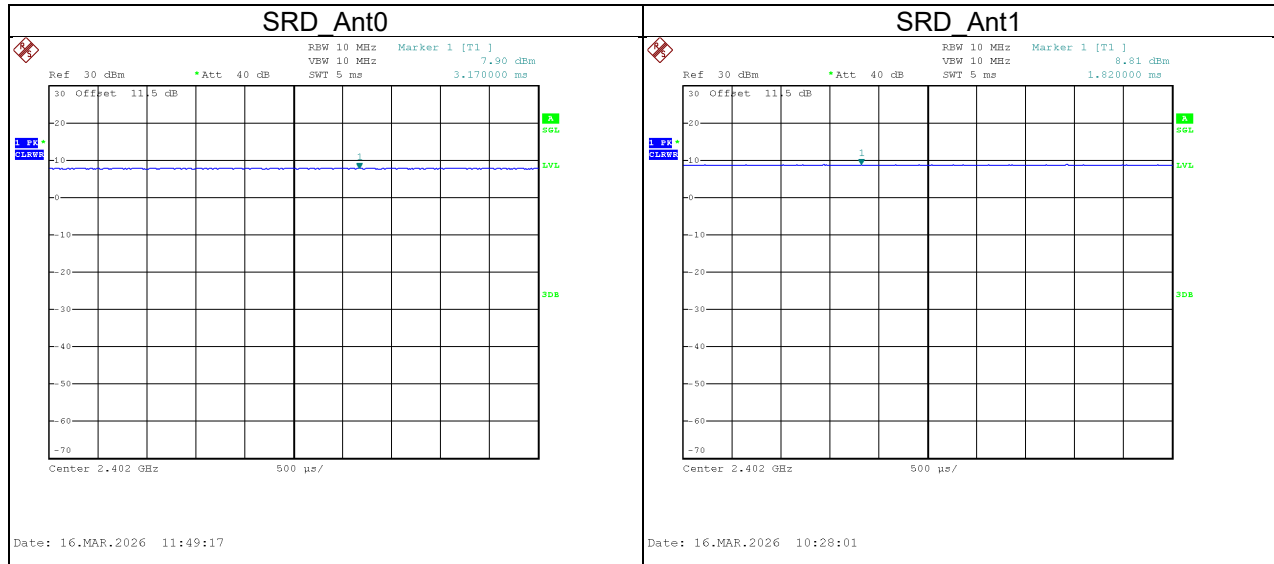
8 EUT PHOTOS

Please refer to document Appendix No.: EP-2601T004-1 (APPENDIX-EUT PHOTOS).

APPENDIX A DUTY CYCLE

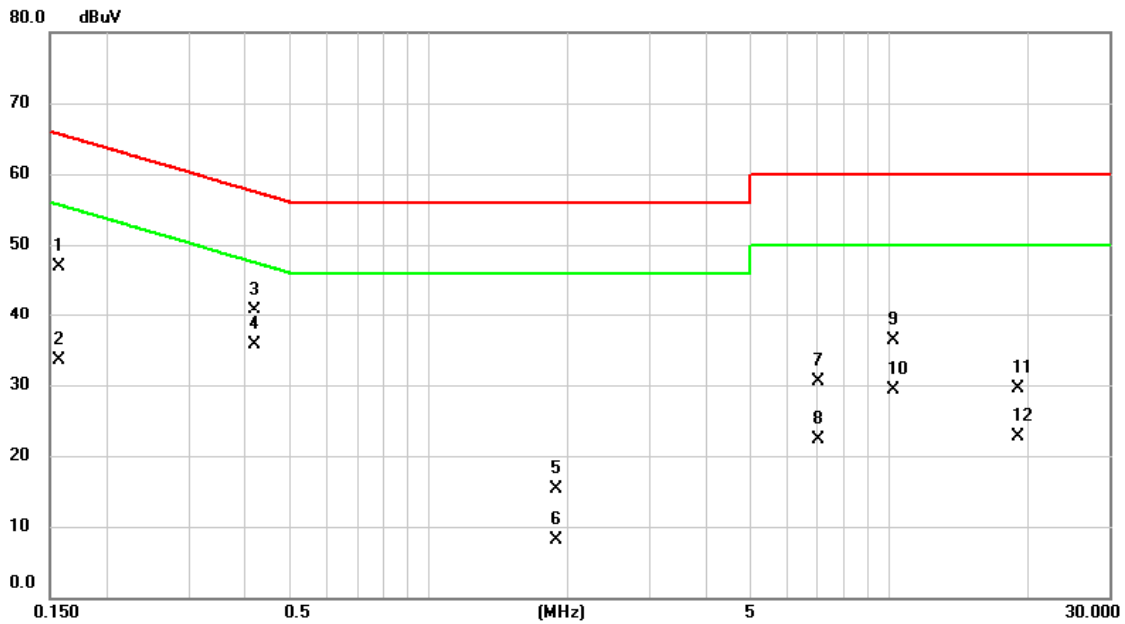
If duty cycle is $\geq 98\%$, duty factor is not required.
 If duty cycle is $< 98\%$, duty factor shall be considered.

Remark	Delta 2			Delta 3	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)
SRD_Ant0	3.170	1	3.170	3.170	100.00%	0.00
SRD_Ant1	1.820	1	1.820	1.820	100.00%	0.00



APPENDIX B AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2026/3/17
Test Frequency	-	Phase	Line



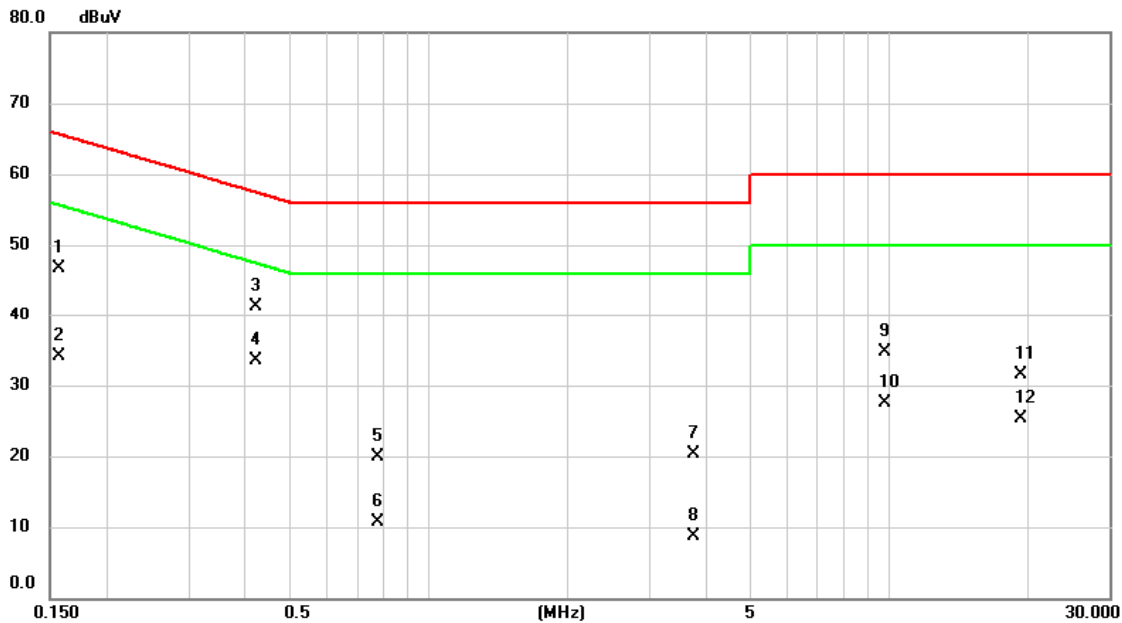
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1567	37.31	9.58	46.89	65.64	-18.75	QP	
2		0.1567	23.96	9.58	33.54	55.64	-22.10	AVG	
3		0.4200	31.21	9.54	40.75	57.45	-16.70	QP	
4	*	0.4200	26.12	9.54	35.66	47.45	-11.79	AVG	
5		1.8915	5.77	9.60	15.37	56.00	-40.63	QP	
6		1.8915	-1.50	9.60	8.10	46.00	-37.90	AVG	
7		7.0395	20.72	9.81	30.53	60.00	-29.47	QP	
8		7.0395	12.43	9.81	22.24	50.00	-27.76	AVG	
9		10.2255	26.43	9.86	36.29	60.00	-23.71	QP	
10		10.2255	19.48	9.86	29.34	50.00	-20.66	AVG	
11		19.0275	19.57	9.96	29.53	60.00	-30.47	QP	
12		19.0275	12.76	9.96	22.72	50.00	-27.28	AVG	

REMARKS:

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

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

Test Mode	Normal	Tested Date	2026/3/17
Test Frequency	-	Phase	Neutral



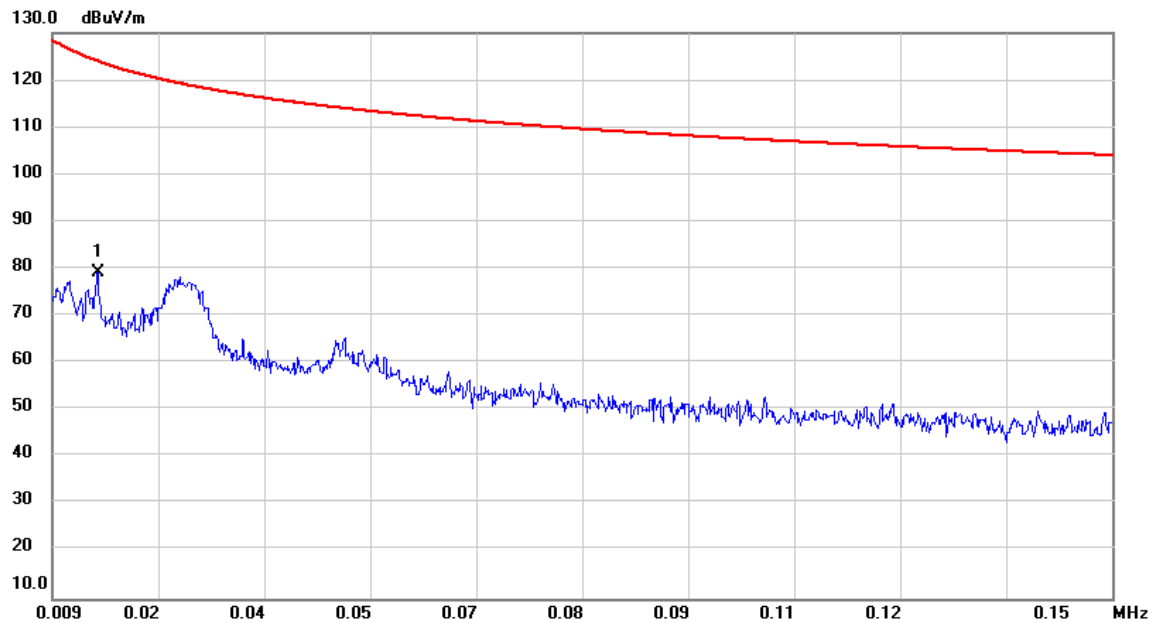
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1568	37.12	9.51	46.63	65.63	-19.00	QP	
2		0.1568	24.54	9.51	34.05	55.63	-21.58	AVG	
3		0.4222	31.87	9.51	41.38	57.40	-16.02	QP	
4	*	0.4222	24.02	9.51	33.53	47.40	-13.87	AVG	
5		0.7755	10.46	9.54	20.00	56.00	-36.00	QP	
6		0.7755	1.21	9.54	10.75	46.00	-35.25	AVG	
7		3.7523	10.61	9.66	20.27	56.00	-35.73	QP	
8		3.7523	-0.91	9.66	8.75	46.00	-37.25	AVG	
9		9.8025	24.93	9.82	34.75	60.00	-25.25	QP	
10		9.8025	17.66	9.82	27.48	50.00	-22.52	AVG	
11		19.3043	21.46	9.98	31.44	60.00	-28.56	QP	
12		19.3043	15.33	9.98	25.31	50.00	-24.69	AVG	

REMARKS:

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

APPENDIX C RADIATED EMISSIONS - 9 KHZ TO 30 MHZ

Test Mode	SRD	Test Date	2026/3/13
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %

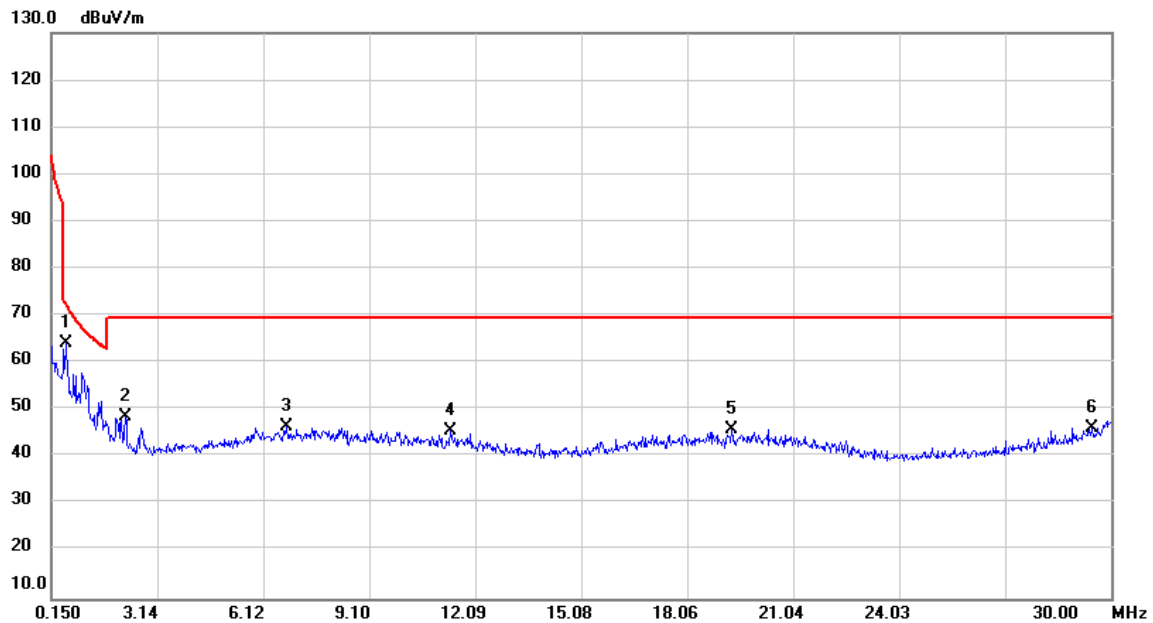


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0152	26.46	52.70	79.16	123.97	-44.81	AVG	

REMARKS:

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

Test Mode	SRD	Test Date	2026/3/13
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %



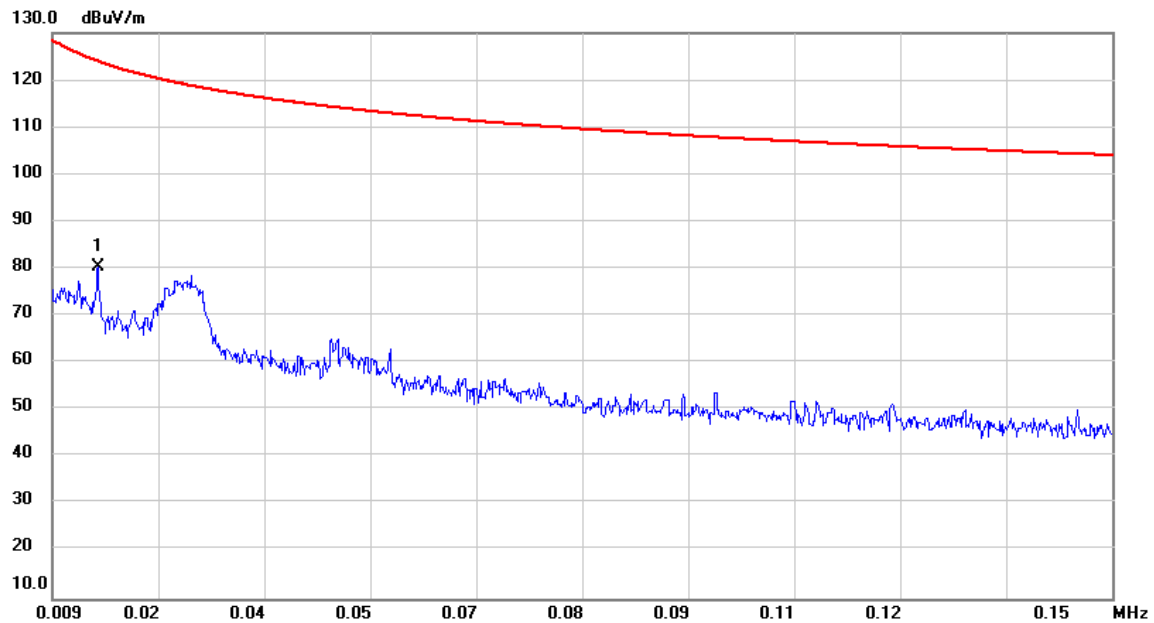
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.5680	42.49	21.54	64.03	72.52	-8.49	QP	
2		2.2395	32.95	15.47	48.42	69.54	-21.12	QP	
3		6.7766	30.99	15.37	46.36	69.54	-23.18	QP	
4		11.4034	30.25	15.20	45.45	69.54	-24.09	QP	
5		19.3137	30.88	14.88	45.76	69.54	-23.78	QP	
6		29.4627	29.29	16.75	46.04	69.54	-23.50	QP	

REMARKS:

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

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

Test Mode	SRD	Test Date	2026/3/13
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %

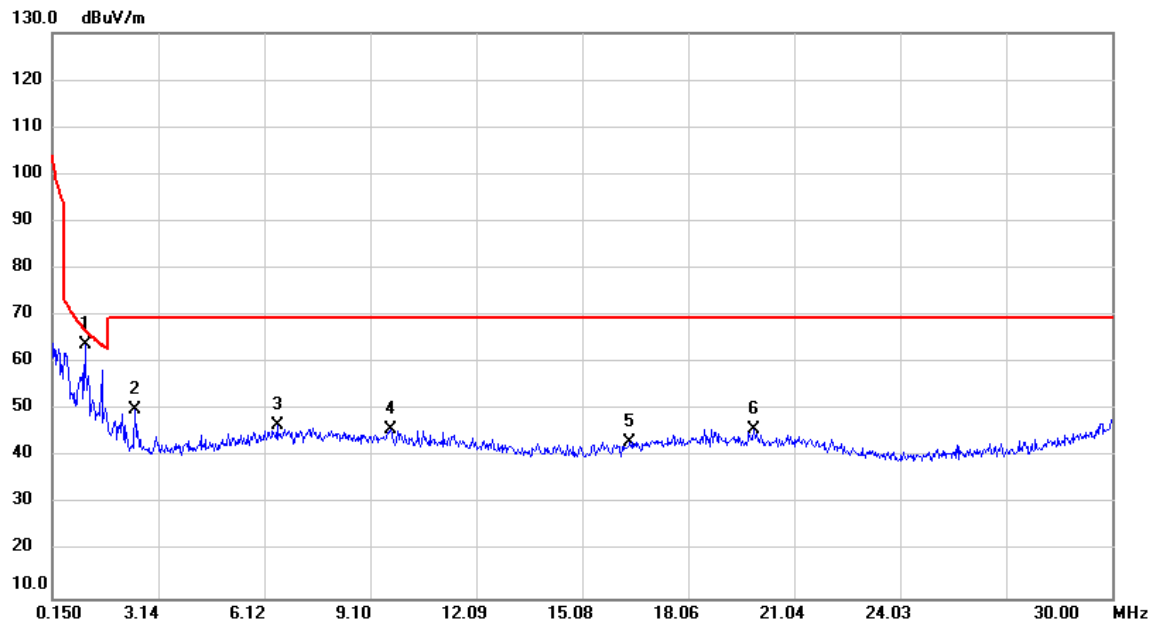


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0152	27.52	52.70	80.22	123.97	-43.75	AVG	

REMARKS:

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

Test Mode	SRD	Test Date	2026/3/13
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.0754	45.40	18.31	63.71	66.97	-3.26	QP	
2		2.4782	34.90	15.12	50.02	69.54	-19.52	QP	
3		6.4782	31.44	15.34	46.78	69.54	-22.76	QP	
4		9.6721	30.70	15.13	45.83	69.54	-23.71	QP	
5		16.4182	28.86	14.37	43.23	69.54	-26.31	QP	
6		19.9107	31.02	14.82	45.84	69.54	-23.70	QP	

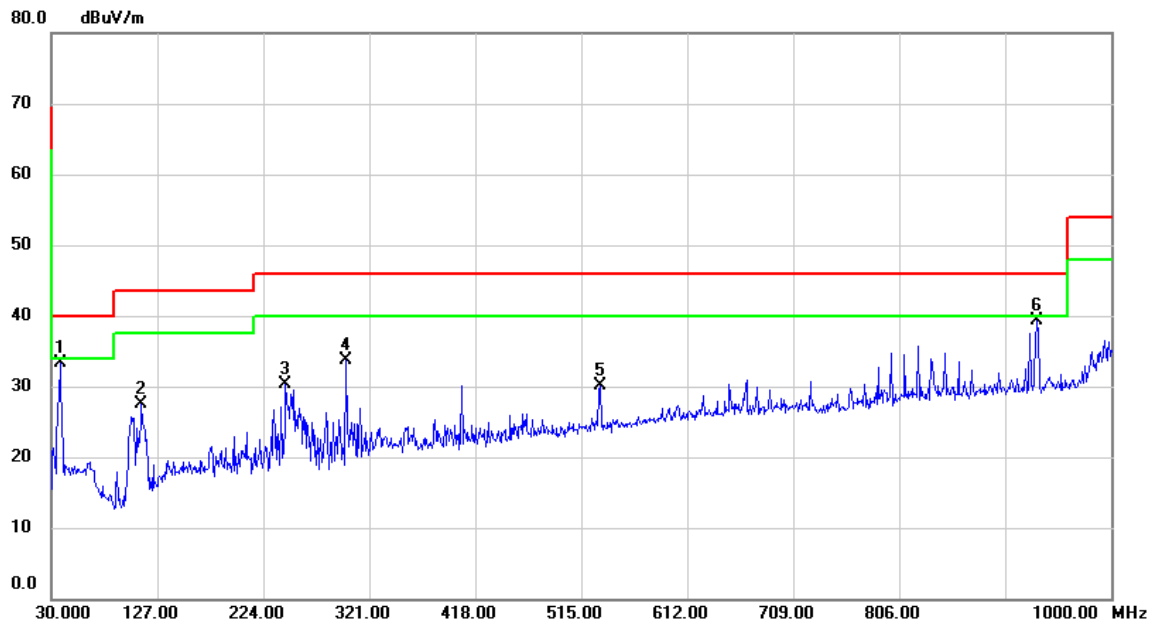
REMARKS:

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

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

APPENDIX D RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %



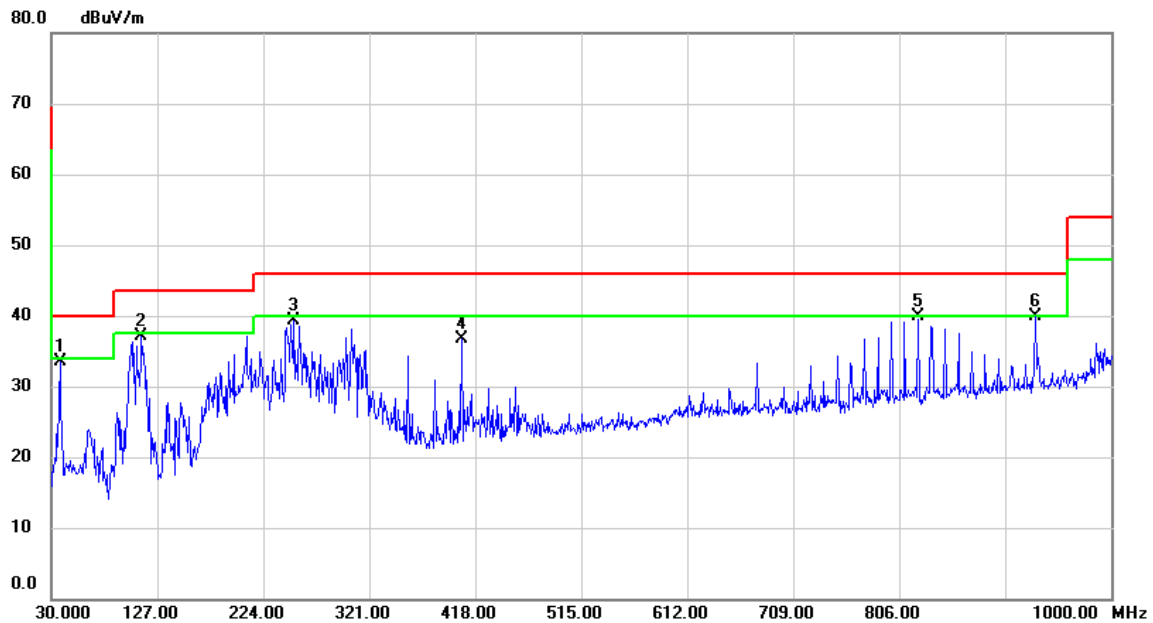
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		37.7600	45.96	-12.70	33.26	40.00	-6.74	peak	
2		112.4500	42.08	-14.52	27.56	43.50	-15.94	peak	
3		244.3700	42.60	-12.24	30.36	46.00	-15.64	peak	
4		299.6600	43.77	-10.05	33.72	46.00	-12.28	peak	
5		532.4600	34.25	-4.18	30.07	46.00	-15.93	peak	
6	*	932.1000	37.04	2.30	39.34	46.00	-6.66	peak	

REMARKS:

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

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

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %



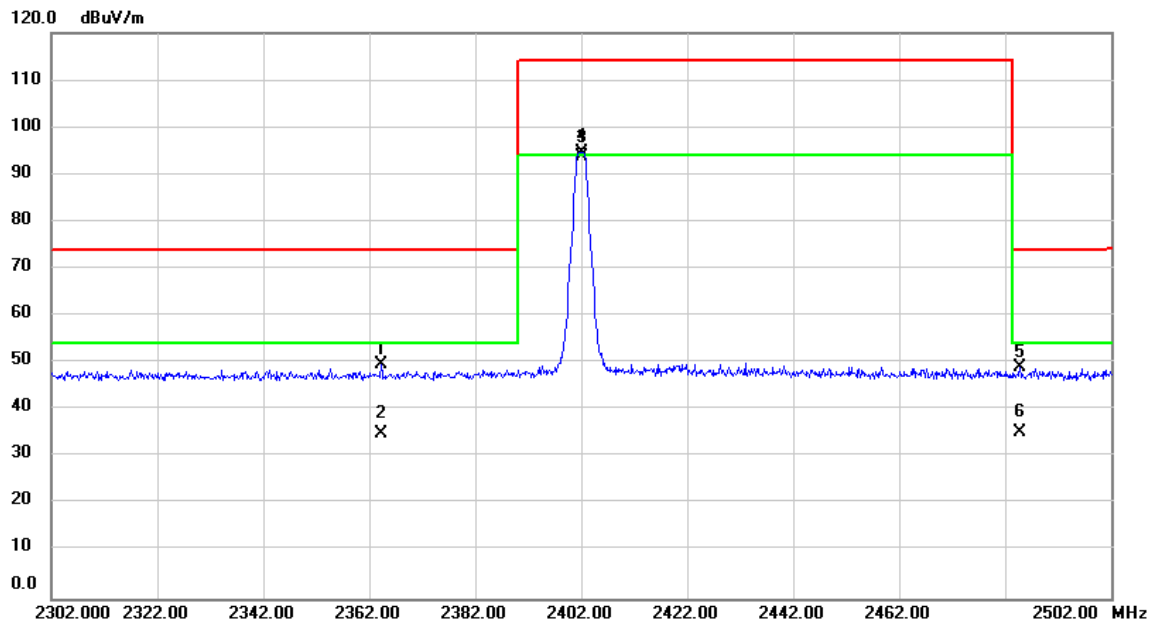
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		37.7600	46.23	-12.70	33.53	40.00	-6.47	peak	
2		112.4500	51.65	-14.52	37.13	43.50	-6.37	peak	
3		252.1300	51.32	-11.97	39.35	46.00	-6.65	peak	
4		405.3900	43.82	-7.16	36.66	46.00	-9.34	peak	
5		823.4600	38.53	1.46	39.99	46.00	-6.01	peak	
6	*	931.1300	37.70	2.30	40.00	46.00	-6.00	peak	

REMARKS:

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

APPENDIX E RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %

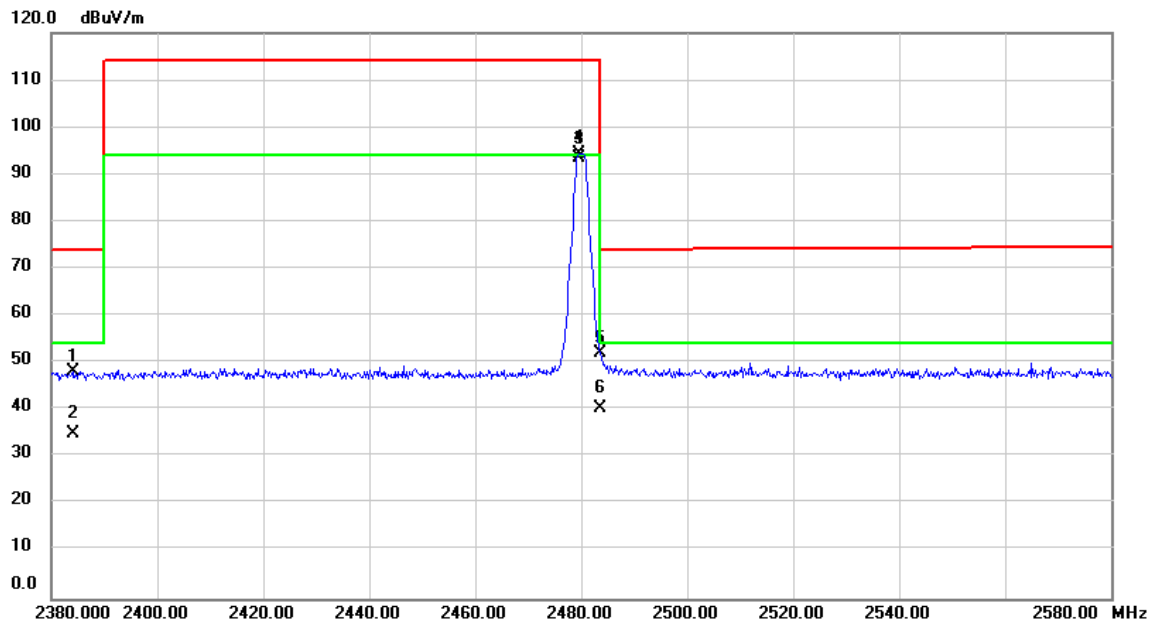


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2364.200	45.67	3.94	49.61	74.00	-24.39	peak	
2		2364.200	30.93	3.94	34.87	54.00	-19.13	AVG	
3		2402.200	90.69	4.01	94.70	114.00	-19.30	peak	
4	*	2402.200	89.68	4.01	93.69	94.00	-0.31	AVG	
5		2484.800	44.76	4.15	48.91	74.01	-25.10	peak	
6		2484.800	30.97	4.15	35.12	54.00	-18.88	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %

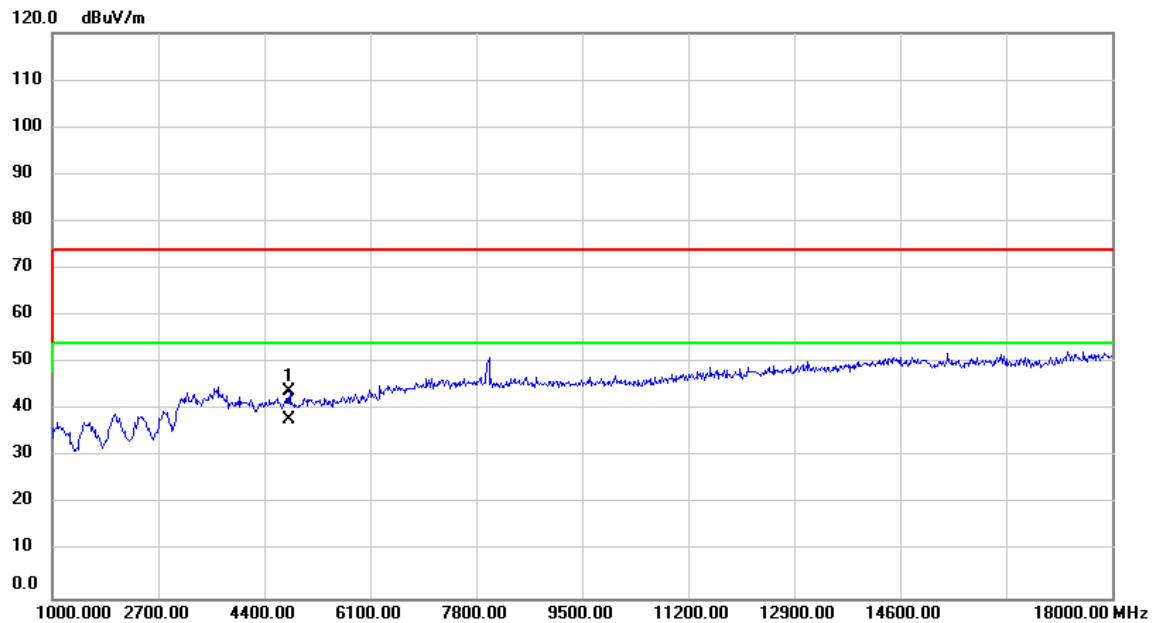


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2384.000	44.20	3.99	48.19	74.00	-25.81	peak	
2		2384.000	30.96	3.99	34.95	54.00	-19.05	AVG	
3		2479.600	90.30	4.14	94.44	114.00	-19.56	peak	
4	*	2479.600	89.36	4.14	93.50	94.00	-0.50	AVG	
5		2483.600	48.02	4.15	52.17	74.00	-21.83	peak	
6		2483.600	36.28	4.15	40.43	54.00	-13.57	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %

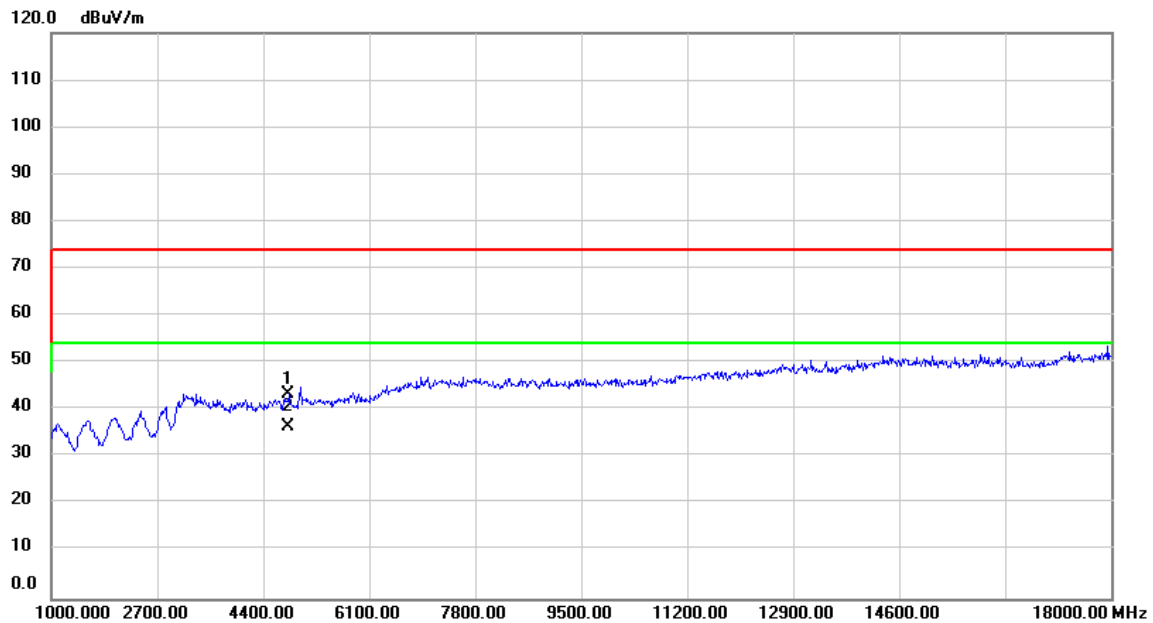


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	43.84	0.20	44.04	74.00	-29.96	peak	
2	*	4804.000	37.82	0.20	38.02	54.00	-15.98	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %

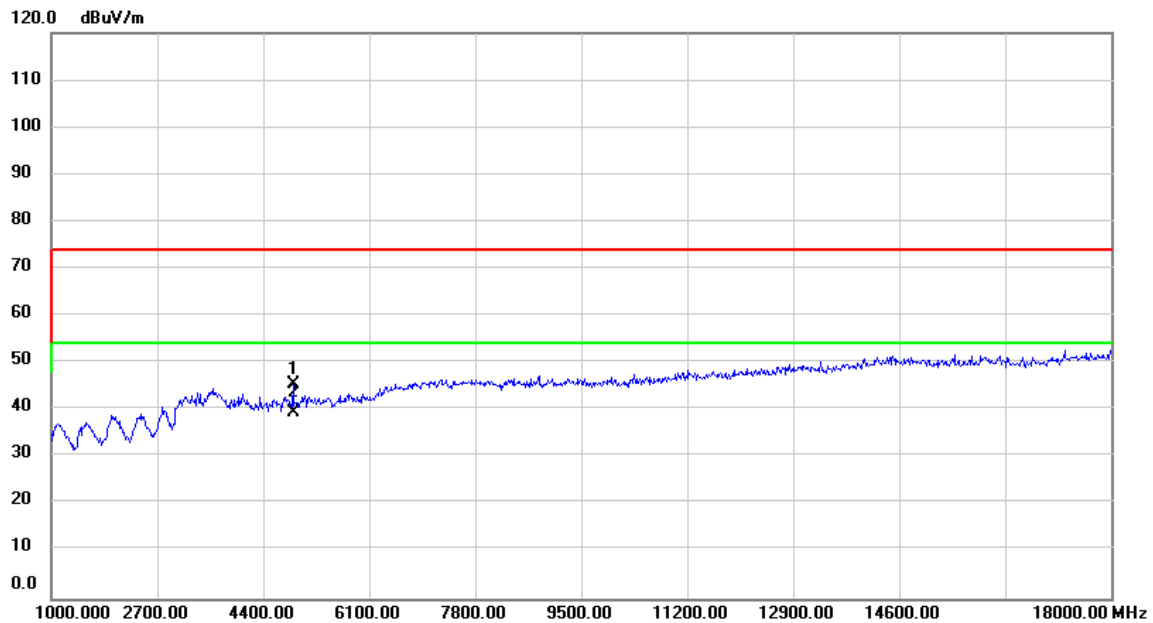


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	43.03	0.20	43.23	74.00	-30.77	peak	
2	*	4804.000	36.20	0.20	36.40	54.00	-17.60	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2439MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %

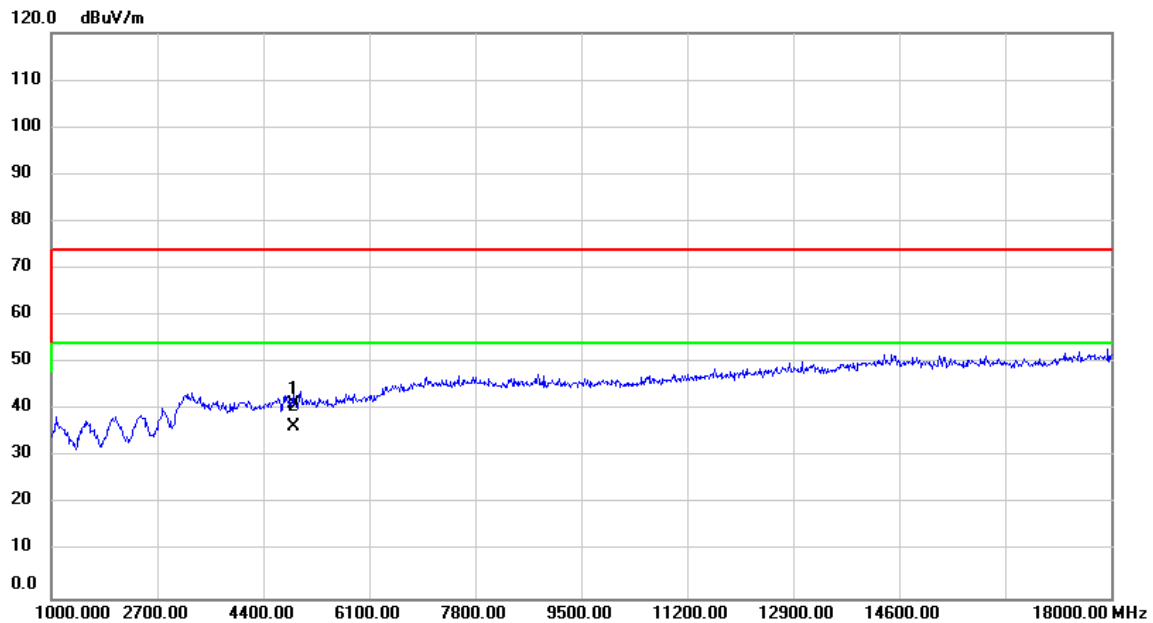


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4878.000	45.16	0.34	45.50	74.00	-28.50	peak	
2	*	4878.000	39.15	0.34	39.49	54.00	-14.51	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2439MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %

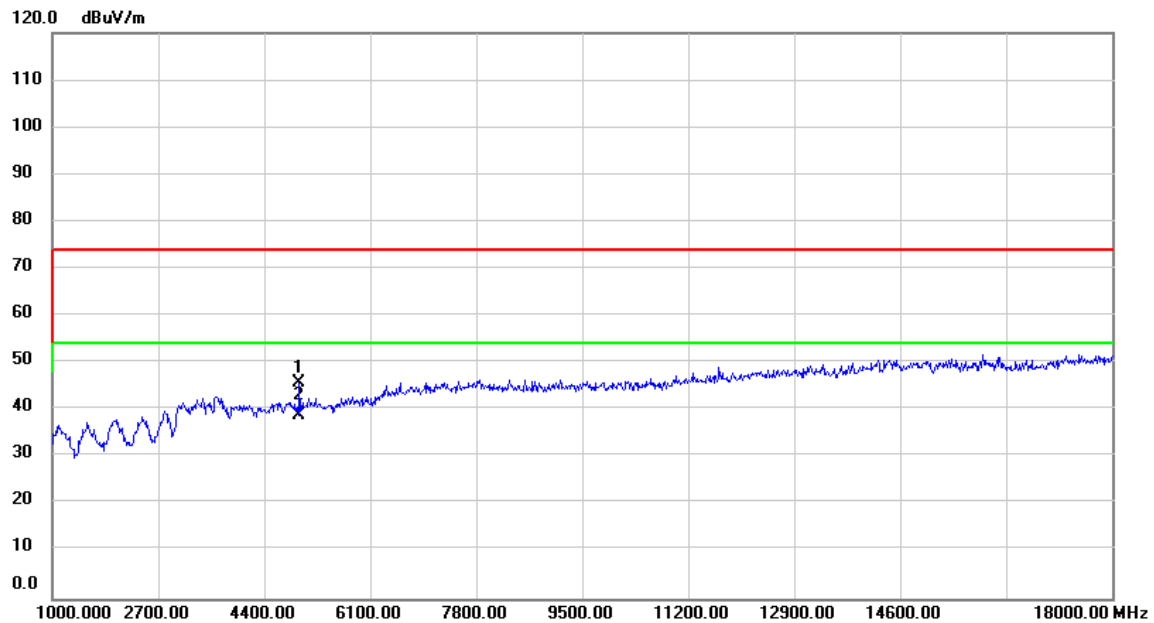


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4878.000	40.96	0.34	41.30	74.00	-32.70	peak	
2	*	4878.000	36.15	0.34	36.49	54.00	-17.51	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %

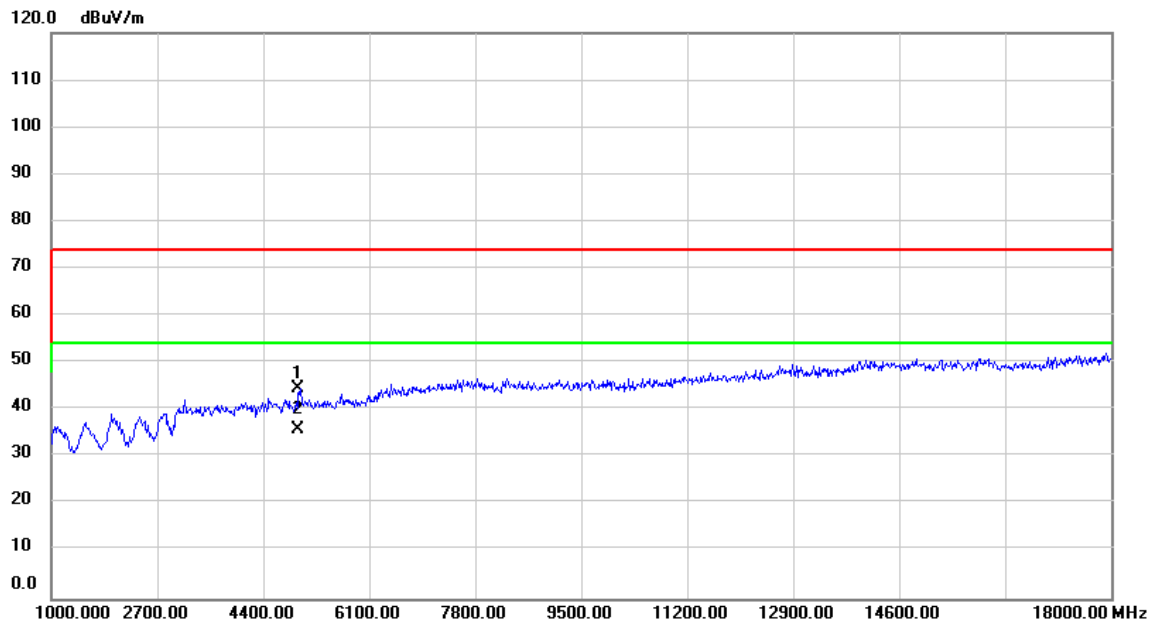


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	45.33	0.48	45.81	74.00	-28.19	peak	
2	*	4960.000	38.47	0.48	38.95	54.00	-15.05	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %

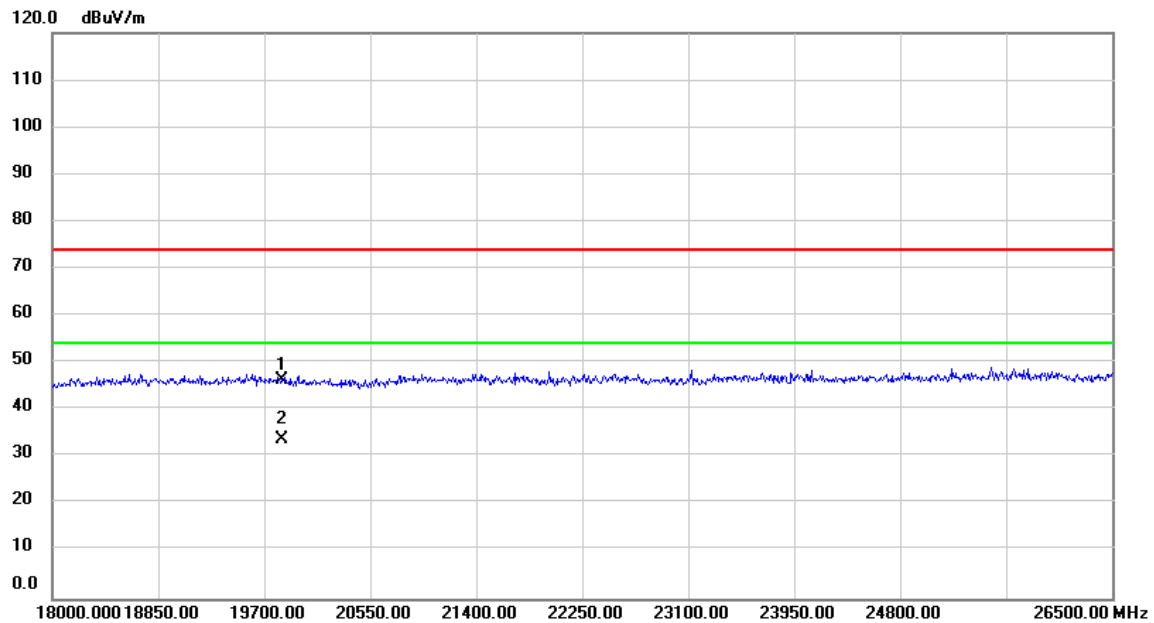


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	44.02	0.48	44.50	74.00	-29.50	peak	
2	*	4960.000	35.45	0.48	35.93	54.00	-18.07	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	61 %

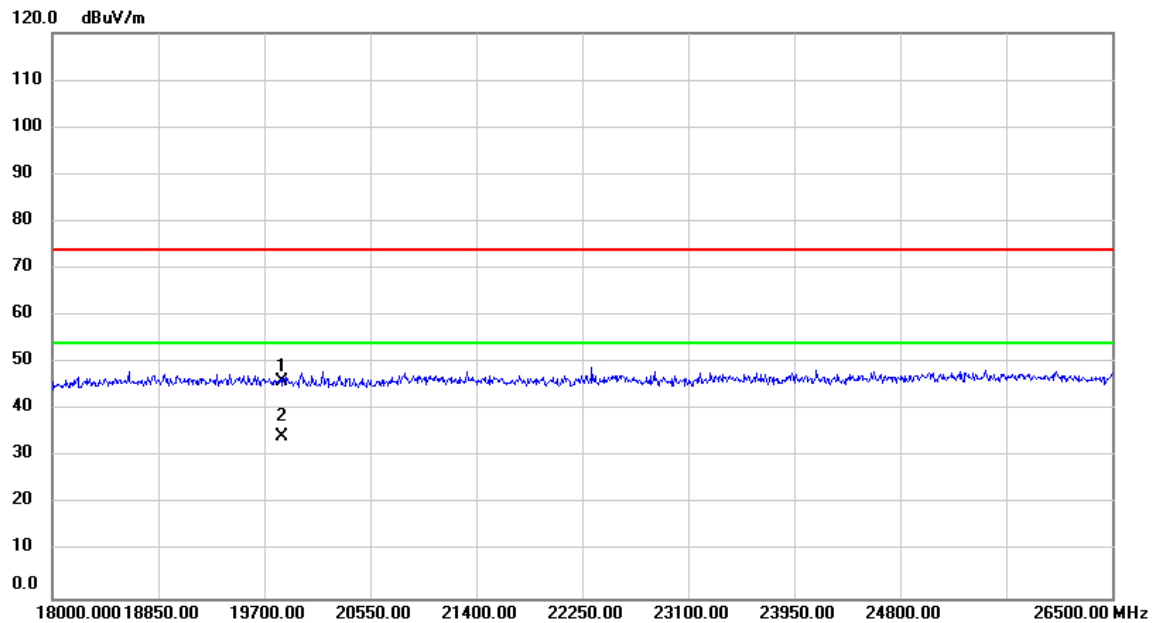


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19840.00	55.50	-9.24	46.26	74.00	-27.74	peak	
2	*	19840.00	43.01	-9.24	33.77	54.00	-20.23	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

Test Mode	SRD	Test Date	2026/3/12
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	61 %



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19840.00	55.28	-9.24	46.04	74.00	-27.96	peak	
2	*	19840.00	43.44	-9.24	34.20	54.00	-19.80	AVG	

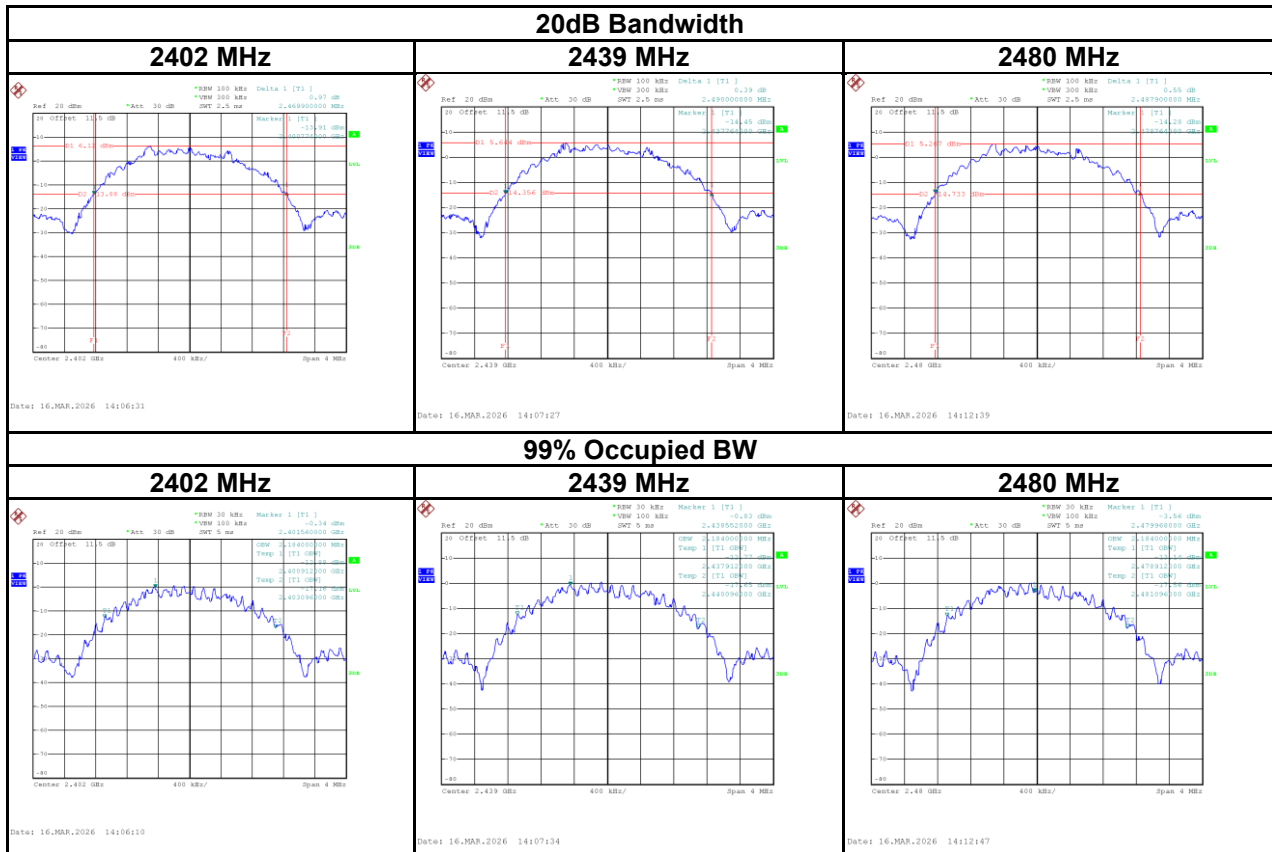
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) Average Correct Factor = $20\log(\text{duty cycle}) = 0$

APPENDIX F BANDWIDTH

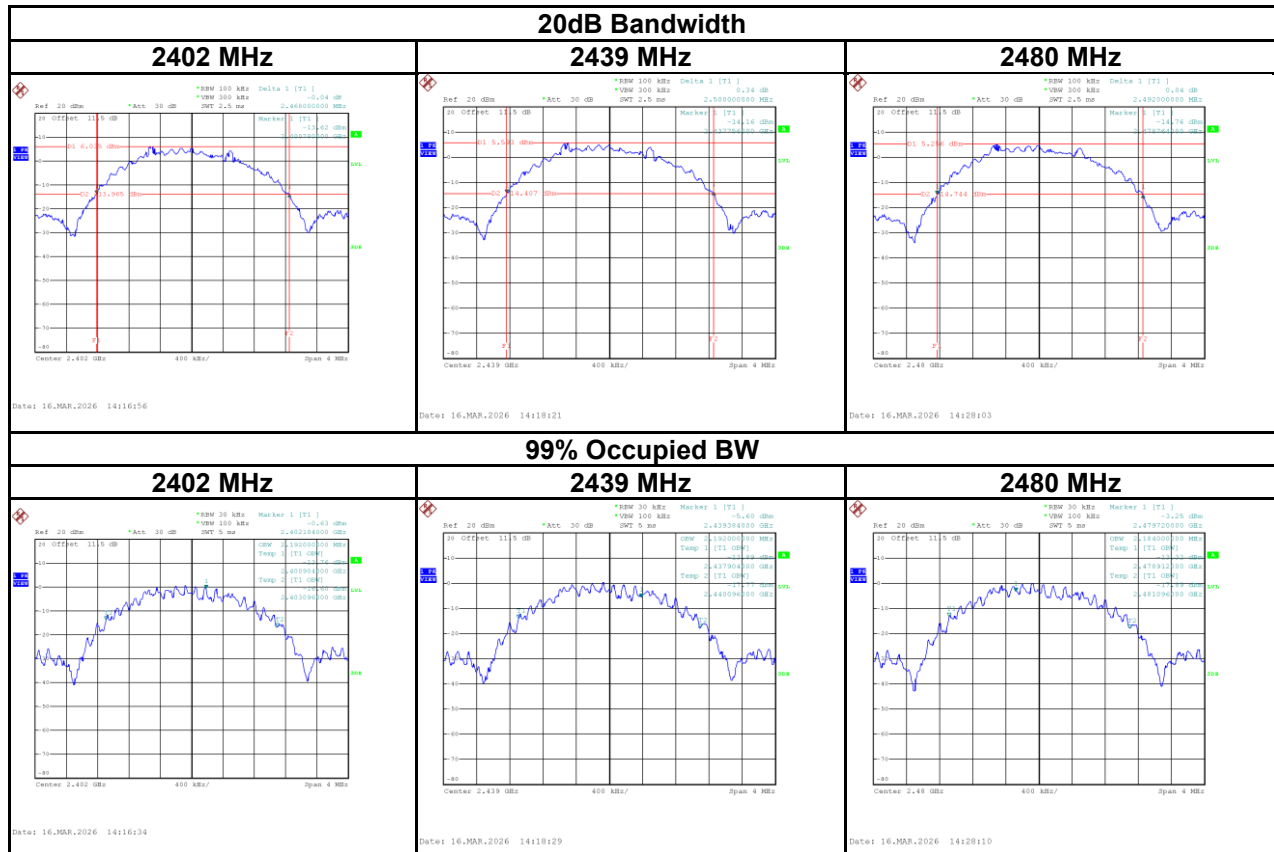
Test Mode: SRD_Ant0

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)
2402	2.47	2.18
2439	2.49	2.18
2480	2.49	2.18



Test Mode: SRD_Ant1

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)
2402	2.47	2.19
2439	2.50	2.19
2480	2.49	2.18



End of Test Report