

FCC Radio Test Report

FCC ID: 2BW6CMIA3DSTC7U

Report No. : BTL-FCCP-1-2603T169
Equipment : Spatial Computing Terminal
Model Name : MIA-3DSTc7u, MIA-3DSTc4u, MIA-3DSTc4p
Brand Name : METAIAM
Applicant : METAIAM INC
Address : 8 THE GREEN SUITE B DOVER, DE 19901 USA

Radio Function : Bluetooth

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 : 2026/3/30
Date of Test : 2026/4/28 ~ 2026/6/10
Issued Date : 2026/7/7

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.

This revised report has been reissued with corrected information and supersedes Revision R00 of this report. Revision R00 is no longer valid from the issue date of this revised report. Please refer to this report as the current and valid version.

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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)(1)(iii)	Number of Hopping Frequency	APPENDIX E	Pass	-----
15.247 (a)(1)(iii)	Average Time of Occupancy	APPENDIX F	Pass	-----
15.247 (a)(1)	Hopping Channel Separation	APPENDIX G	Pass	-----
15.247 (a)(1)	Bandwidth	APPENDIX H	Pass	-----
15.247 (b)(1)	Output Power	APPENDIX I	Pass	-----
15.247(d)	Antenna conducted Spurious Emission	APPENDIX J	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. 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

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

☒ CB20 ☒ C01

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

C. Conducted test :

Test Item	U
Occupied Bandwidth	0.83 %
Output power	0.8412 dB
Conducted Spurious emissions	1.8274 dB
Conducted Band edges	1.8353 dB
Dwell time	0.8830 dB
Channel separation	0.8830 dB
Channel numbers	0.9198 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	23 °C, 58 %	AC 120V	Ken Lan
Radiated emissions below 1 GHz	Refer to data	AC 120V	Ken Lu
Radiated emissions above 1 GHz	Refer to data	AC 120V	Ken Lu
Number of Hopping Frequency	23.1 °C, 57 %	AC 120V	Ken Lan
Average Time of Occupancy	23.1 °C, 57 %	AC 120V	Ken Lan
Hopping Channel Separation	23.1 °C, 57 %	AC 120V	Ken Lan
Bandwidth	23.1 °C, 57 %	AC 120V	Ken Lan
Output Power	23.1 °C, 57 %	AC 120V	Ken Lan
Antenna conducted Spurious Emission	23.1 °C, 57 %	AC 120V	Ken Lan

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

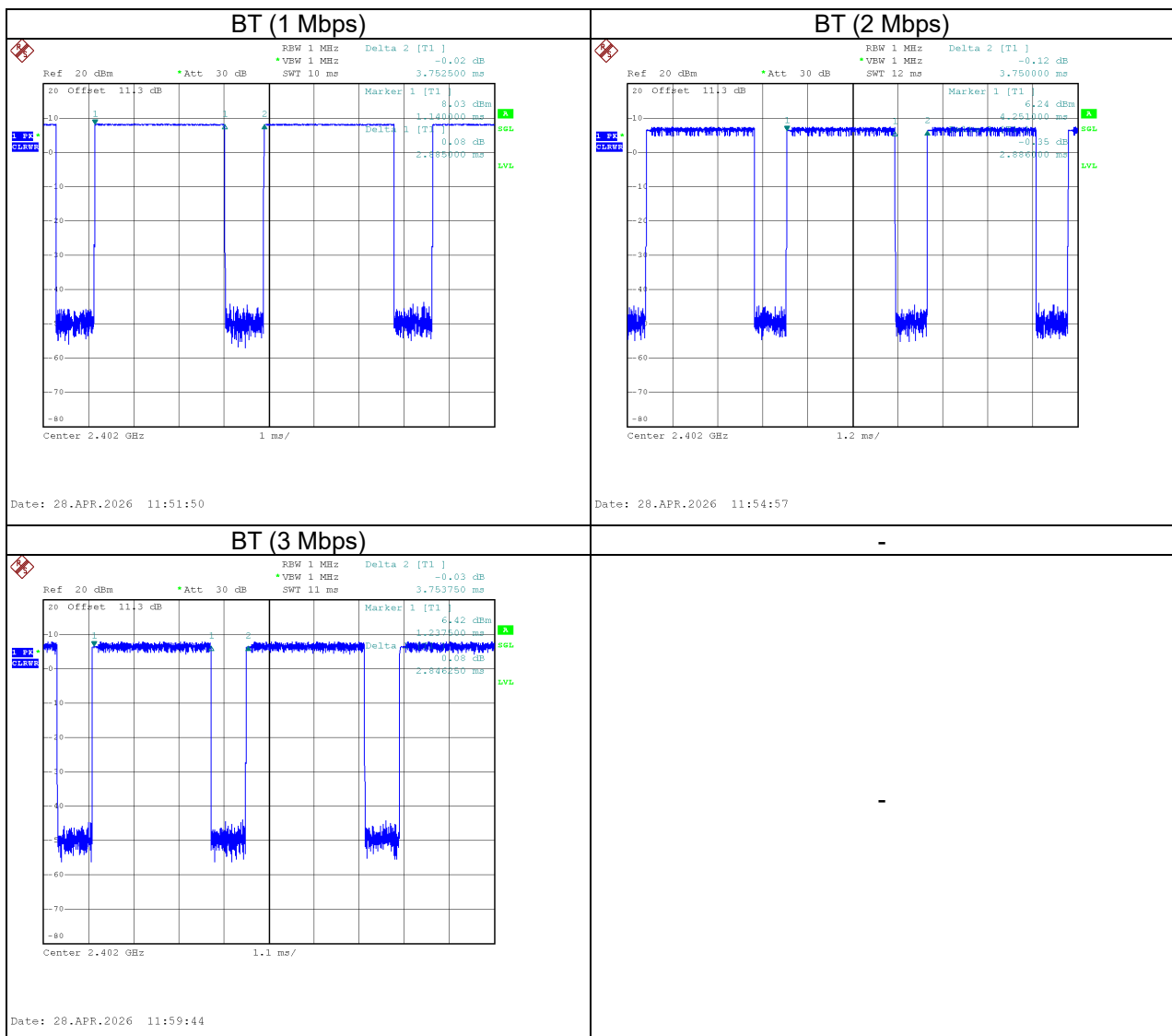
Test Software Version	QRCT Version3.0.298.0			
Mode	2402 MHz	2441 MHz	2480 MHz	Data Rate
BT (1 Mbps)	9	9	9	1 Mbps
BT (2 Mbps)	9	9	9	2 Mbps
BT (3 Mbps)	9	9	9	3 Mbps

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)
BT (1 Mbps)	2.885	1	2.885	3.753	76.87%	1.14
BT (2 Mbps)	2.886	1	2.886	3.750	76.96%	1.14
BT (3 Mbps)	2.846	1	2.846	3.754	75.81%	1.20



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Spatial Computing Terminal
Model Name	MIA-3DSTc7u, MIA-3DSTc4u, MIA-3DSTc4p
Brand Name	METAIAM
Model Difference	The internal PCB mainboard, layout, and RF hardware are the same for all three models. The differences are only: 1. Case size 2. panel size(7" & 4") 3. Speaker module
Power Source	DC Voltage supplied from AC/DC adapter (support unit).
Power Rating	DC 12V, 3A
Products Covered	1* DC Adapter cable: KBCONN / W24C0059 1* USB Adapter cable: KBCONN / W24C0060 1* Ethernet Adapter cable: KBCONN / W24C0061 1* 3-Pin Signal Cable: KBCONN / W24C0062 1* 2-Pin Signal Cable: KBCONN / W24C0063
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK
Modulation Technology	FHSS
Transfer Rate	1 Mbps, 2 Mbps, 3Mbps
Output Power Max.	1 Mbps: 10.16 dBm (0.0104 W) 2 Mbps: 10.17 dBm (0.0104 W) 3 Mbps: 10.56 dBm (0.0114 W)
Test Model	MIA-3DSTc7u
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)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

(3) Table for Filed Antenna:

Antenna	Manufacturer	P/N	Type	Connector	Frequency Range (MHz)	Gain (dBi)
1	Jiangsu Changxin Network Technology Co., Ltd.	FS-520	PCB	I-PEX	2400-2500	1.34

- (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

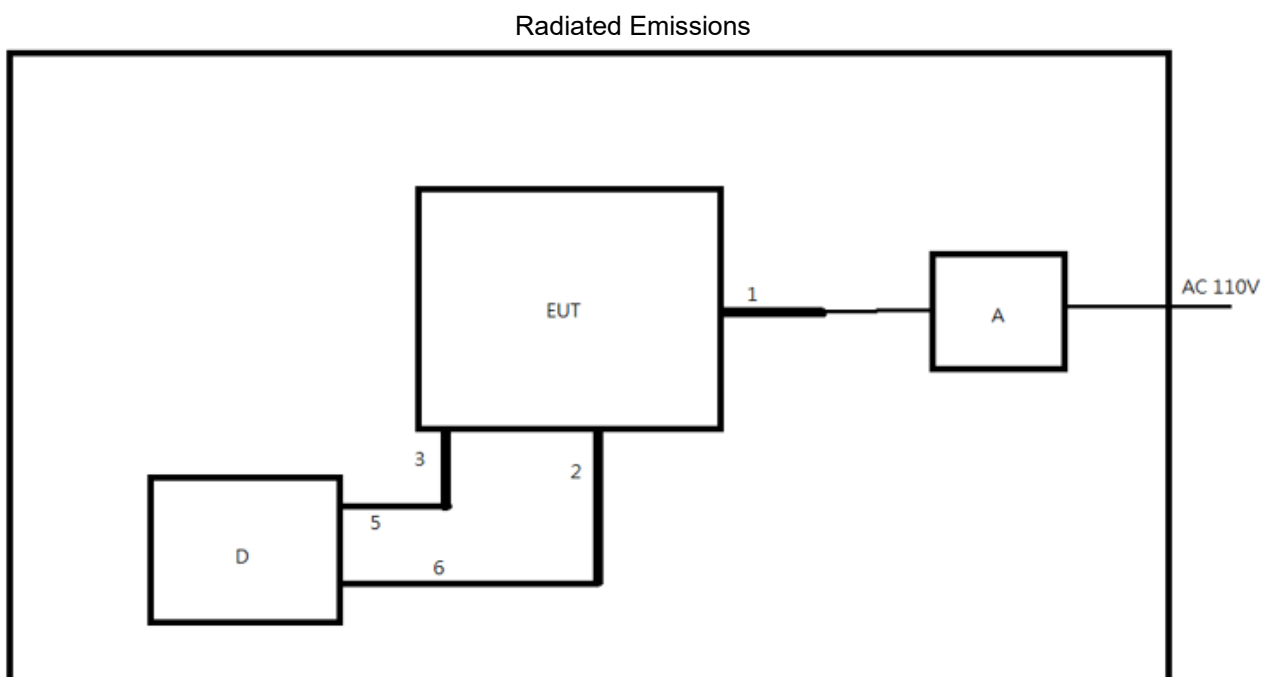
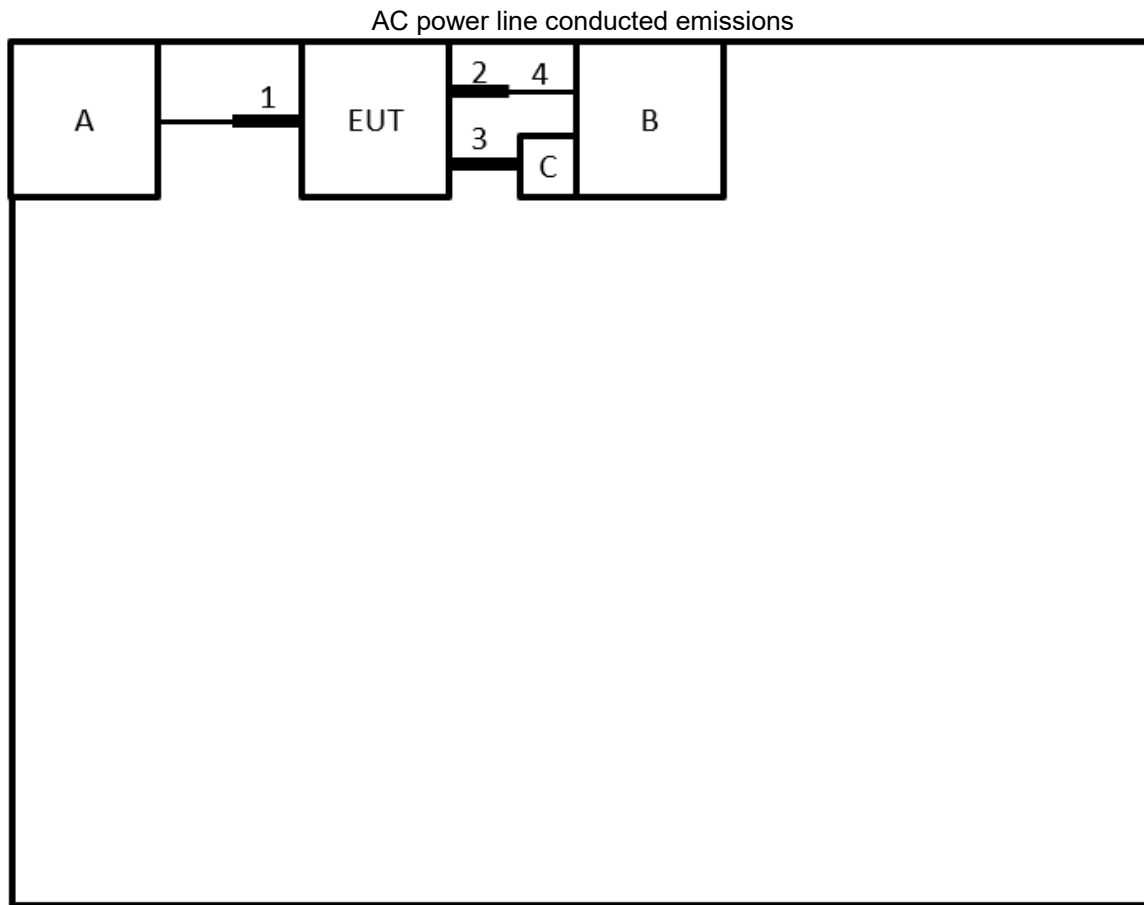
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal	-	-
Transmitter Radiated Emissions (below 1GHz)	3 Mbps	00	-
Transmitter Radiated Emissions (above 1GHz)	1/3 Mbps	00/78	Bandedge
	1/3 Mbps	00/39/78	Harmonic
Transmitter Radiated Emissions (above 18GHz)	3 Mbps	00	-
Number of Hopping Frequency	1/3 Mbps	00~78	-
Average Time of Occupancy	1/3 Mbps	00/39/78	-
Hopping Channel Separation	1/3 Mbps	00/39/78	-
Bandwidth	1/3 Mbps	00/39/78	-
Peak Output Power	1/2/3 Mbps	00/39/78	-
Antenna conducted Spurious Emission	1/3 Mbps	00/39/78	-

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 (Z 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.



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	ADP	DVE	DSA-36PFN-12 FUS 120300	N/A	Supplied by test requester.
B	NB	Dynabook	PT5C1E-AAAA11	N/A	Furnished by test lab.
C	USB A to A	JINHUA	USB A to A	N/A	Furnished by test lab.
D	NB	Dynabook	PMM20E-AAA11	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	0.2m	DC Adapter cable	Supplied by test requester.
2	N/A	N/A	0.2m	Ethernet Adapter cable	Supplied by test requester.
3	N/A	N/A	0.2m	USB Adapter cable	Supplied by test requester.
4	N/A	N/A	0.5m	LAN Cable	Supplied by test requester
5	N/A	N/A	1.5m	USB-A To USB-A	Supplied by test requester
6	N/A	N/A	1m	RJ-45	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.

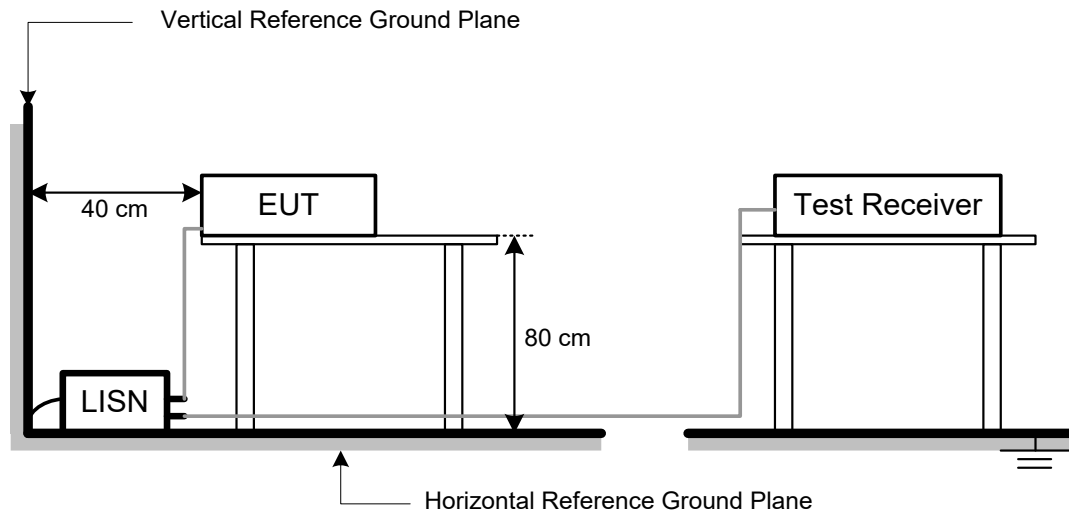
NOTE:

- (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)
35.45	+	-11.37	=	24.08

Measurement Value (dBuV/m)		Limit Value (dBuV/m)		Margin Level (dB)
24.08	-	40	=	-15.92

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

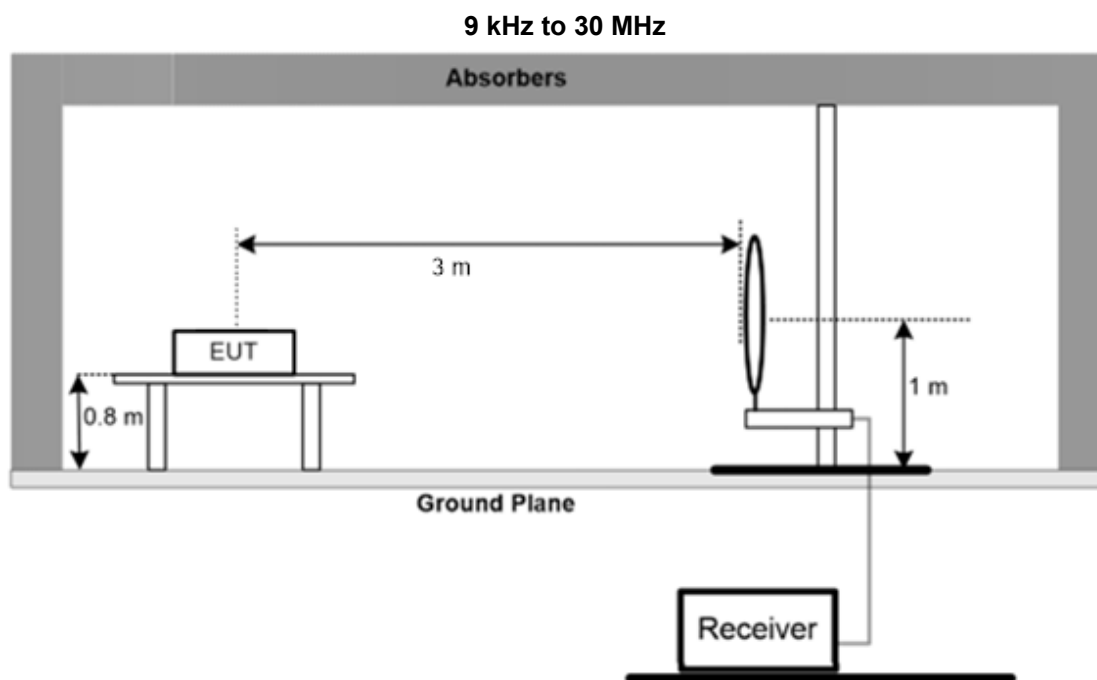
4.2 TEST PROCEDURE

- 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 1 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.

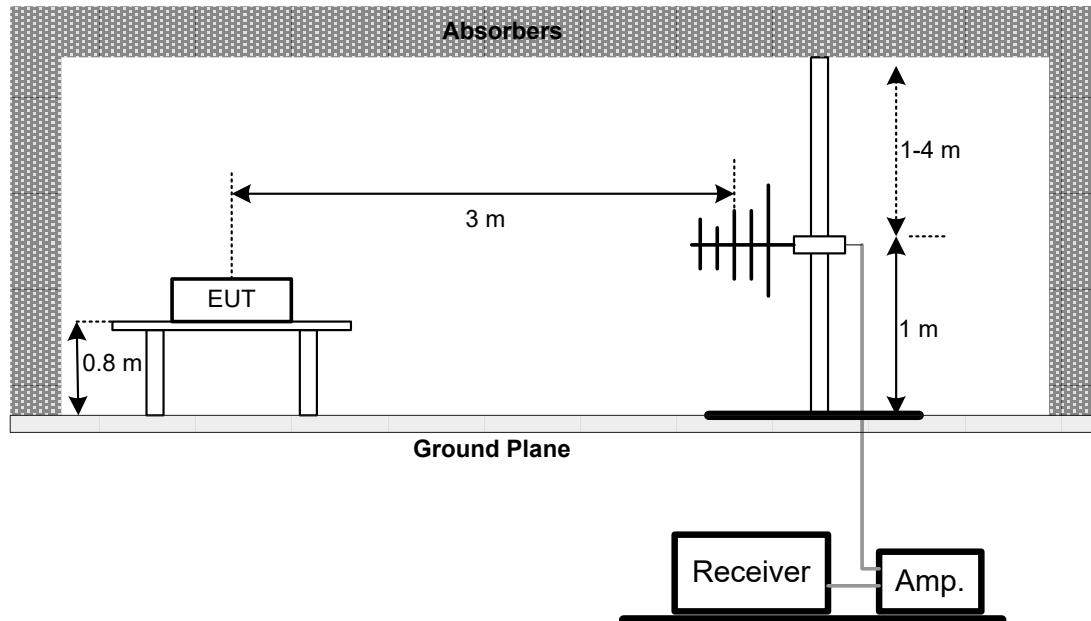
4.3 DEVIATION FROM TEST STANDARD

No deviation.

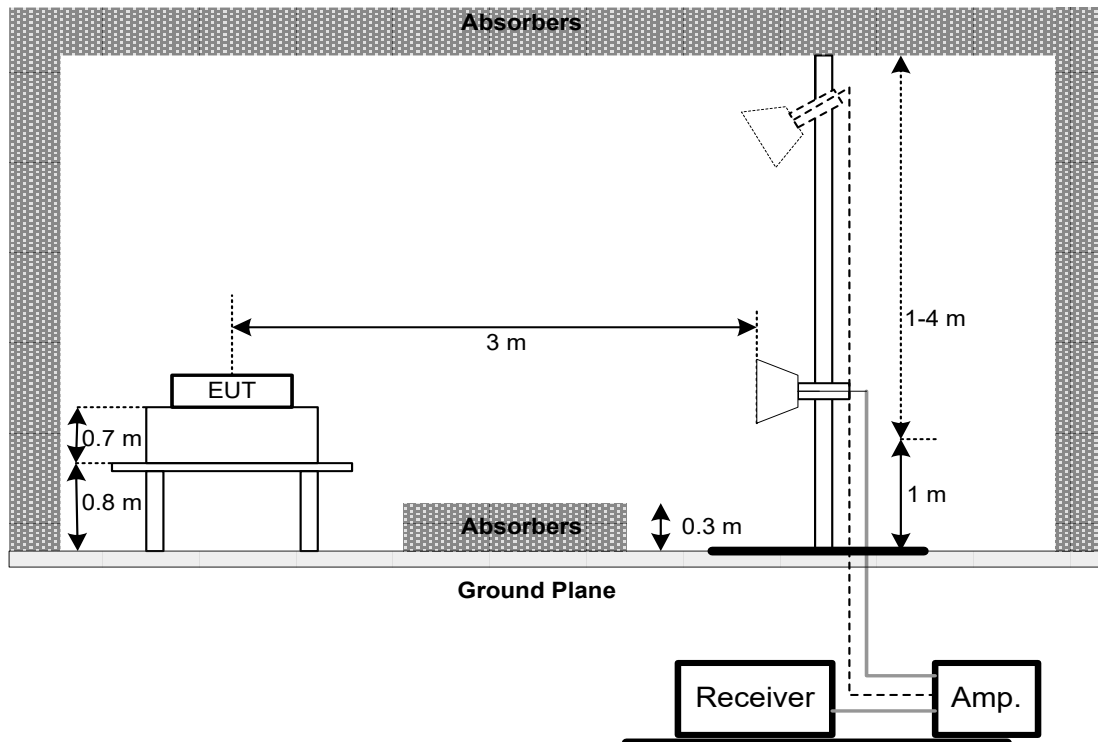
4.4 TEST SETUP



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 NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES

Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Number of Hopping Channel	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RBW	100 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

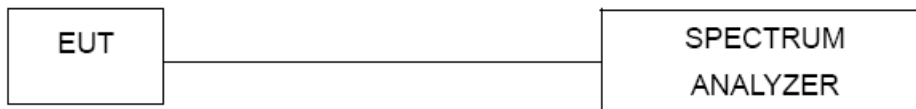
5.2 TEST PROCEDURE

- 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=100KHz, Sweep time = Auto.

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 AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.2 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyzer
- Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is more than once pulse time.
- Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- Measure the maximum time duration of one single pulse.
- Set the EUT for DH5, DH3 and DH1 packet transmitting.
- Measure the maximum time duration of one single pulse.
- Measure the maximum time duration of one single pulse.

A Period Time = (channel number) * 0.4

For Non-AFH Mode (79 Channel):

DH1 Time Solt: Reading * (1600/6)/79 * (0.4 * 79)

DH3 Time Solt: Reading * (1600/6)/79 * (0.4 * 79)

DH5 Time Solt: Reading * (1600/6)/79 * (0.4 * 79)

For AFH Mode (20 Channel):

DH1 Time Solt: Reading * (800/6)/20 * (0.4 * 20)

DH3 Time Solt: Reading * (800/6)/20 * (0.4 * 20)

DH5 Time Solt: Reading * (800/6)/20 * (0.4 * 20)

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 HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 KHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

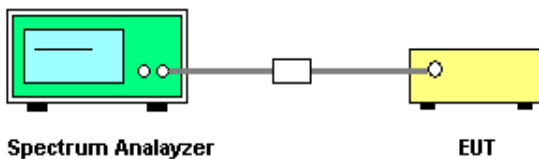
7.2 TEST PROCEDURE

- The EUT must have its hopping function enabled
- Span = wide enough to capture the peaks of two adjacent channels
Resolution (or IF) Bandwidth (RBW) $\geq$ 1% of the span
Video (or Average) Bandwidth (VBW) $\geq$ RBW
Sweep = Auto
Detector function = Peak
Trace = Max Hold

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 TEST RESULTS

Please refer to the APPENDIX G.

8 BANDWIDTH TEST

8.1 APPLIED PROCEDURES

Section	Test Item	Frequency Range (MHz)
15.247(a)(2)	Bandwidth	2400-2483.5

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz (20dB Bandwidth) / 30 KHz (Channel Separation)
VBW	100 KHz (20dB Bandwidth) / 100 KHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

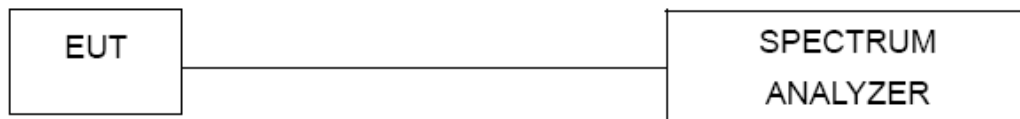
8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep Time = Auto.

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 OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	0.125Watt or 21dBm	2400-2483.5	PASS

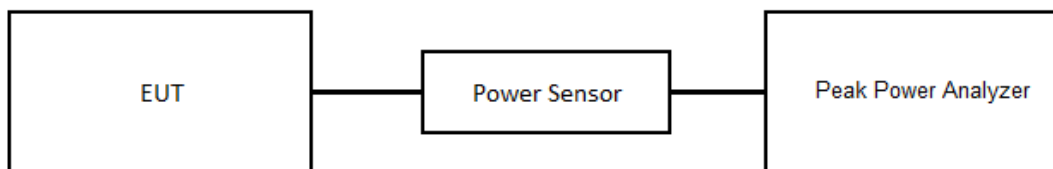
9.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 3MHz, VBW= 3MHz, Sweep time = Auto.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 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.

9.6 TEST RESULTS

Please refer to the APPENDIX I.

10 ANTENNA CONDUCTED SPURIOUS EMISSION

10.1 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.

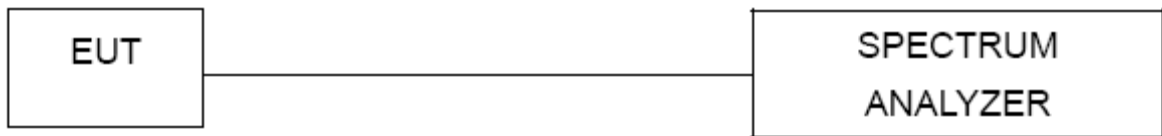
10.2 TEST PROCEDURE

- 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=100KHz, Sweep time = Auto.
- Offset=antenna gain+cable loss

10.3 DEVIATION FROM STANDARD

No deviation.

10.4 TEST SETUP



10.5 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.

10.6 TEST RESULTS

Please refer to the APPENDIX J.

11 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	MY54130009	2025/6/25	2026/6/24
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	2025/7/2	2026/7/1
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	Pre-Amplifier	EMCI	EMC184045SE	980512	2025/12/02	2026/12/1
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	340	2025/06/25	2026/6/24
3	Test Cable	EMCI	EMC102-KM-KM- 1000	220328	2025/12/02	2026/12/1
4	Test Cable	EMCI	EMC101G-KM-K M-3000	220330	2025/12/02	2026/12/1
5	Broad-Band Horn Antenna	RFSPIN	DRH18-E	210109A18E	2026/01/08	2027/1/7
6	Pre-Amplifier	EMCI	EMC118A45SE	981030	2025/12/02	2026/12/1
7	Test Cable	EMCI	EMC105-KM-KM- 1000	210119	2025/12/02	2026/12/1
8	Test Cable	EMCI	EMC105-KM-KM- 3000	210118	2025/12/02	2026/12/1
9	Test Cable	EMCI	EMC107-SM-SM- 6000	230726	2025/12/02	2026/12/1
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	2026/12/1
14	Test Cable	EMCI	EMC-CFD-400-N M-NM-8000	200343	2025/12/02	2026/12/1
15	Test Cable	EMCI	EMC-CFD-400-N M-NM-3300	200348	2025/12/02	2026/12/1
16	Test Cable	EMCI	EMC8D-NM-NM- 5000	150106	2025/12/02	2026/12/1
17	Loop Antenna	Electro-Metrics	EMCI-LPA600	274	2025/07/10	2026/7/9
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

Number of Hopping Frequency & Average Time of Occupancy & Hopping Channel Separation & Bandwidth & Output Power & Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Peak Power Analyzer	Keysight	8990B	MY51000517	2026/3/18	2027/3/17
2	Power Sensor	Keysight	N1923A	MY58310005	2026/3/20	2027/3/19
3	Spectrum Analyzer	R&S	FSP 40	100129	2026/4/8	2027/4/7

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

12 EUT TEST PHOTO

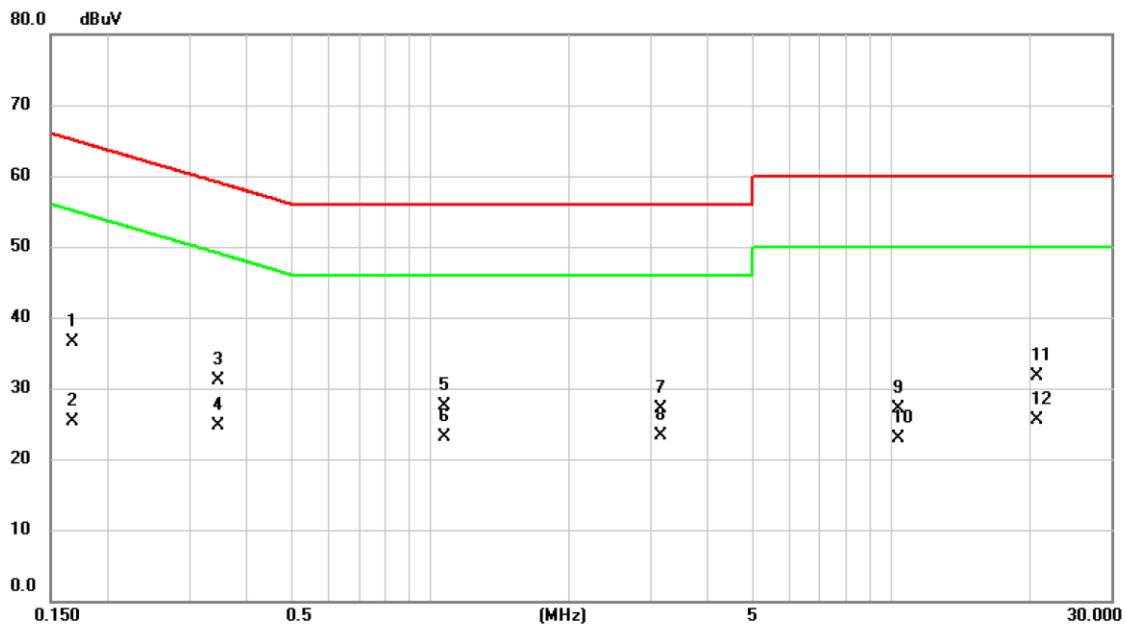
Please refer to document Appendix No.: TP-2603T169-FCCP-1 (APPENDIX-TEST PHOTOS).

13 EUT PHOTOS

Please refer to document Appendix No.: EP-2603T169-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2026/4/28
Test Frequency	-	Phase	Line



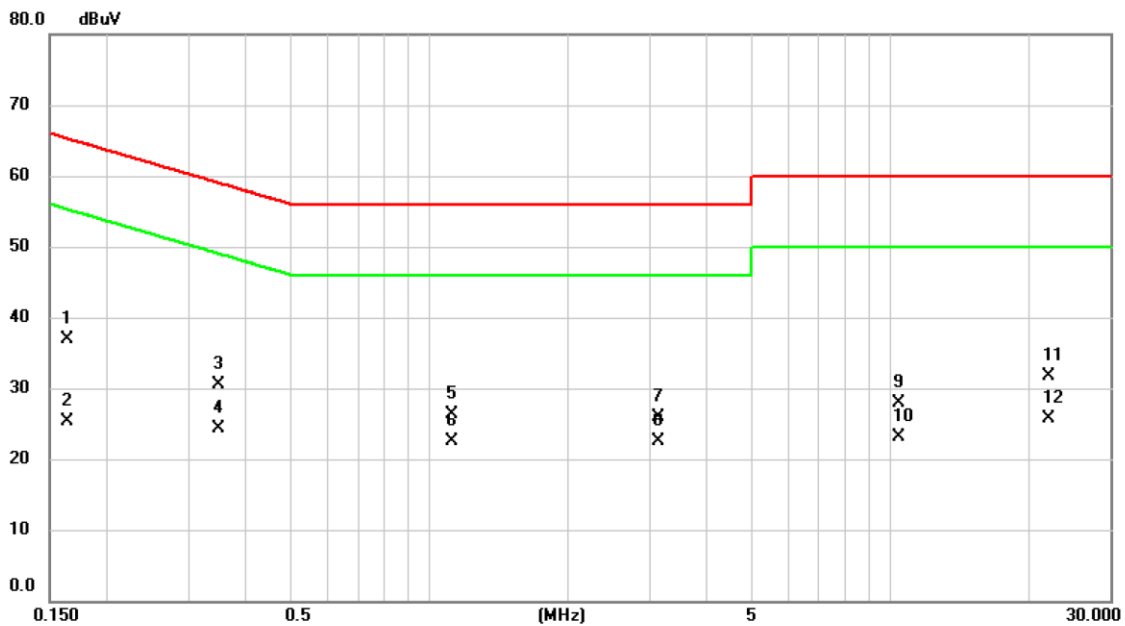
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1668	27.04	9.50	36.54	65.12	-28.58	QP	
2		0.1668	15.76	9.50	25.26	55.12	-29.86	AVG	
3		0.3467	21.58	9.52	31.10	59.04	-27.94	QP	
4		0.3467	15.24	9.52	24.76	49.04	-24.28	AVG	
5		1.0760	17.81	9.62	27.43	56.00	-28.57	QP	
6		1.0760	13.40	9.62	23.02	46.00	-22.98	AVG	
7		3.1550	17.35	9.72	27.07	56.00	-28.93	QP	
8	*	3.1550	13.57	9.72	23.29	46.00	-22.71	AVG	
9		10.3500	17.15	9.89	27.04	60.00	-32.96	QP	
10		10.3500	12.95	9.89	22.84	50.00	-27.16	AVG	
11		20.7000	21.58	10.16	31.74	60.00	-28.26	QP	
12		20.7000	15.30	10.16	25.46	50.00	-24.54	AVG	

REMARKS:

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

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

Test Mode	Normal	Tested Date	2026/4/28
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1643	27.28	9.55	36.83	65.24	-28.41	QP	
2		0.1643	15.68	9.55	25.23	55.24	-30.01	AVG	
3		0.3500	20.98	9.57	30.55	58.96	-28.41	QP	
4		0.3500	14.80	9.57	24.37	48.96	-24.59	AVG	
5		1.1165	16.56	9.65	26.21	56.00	-29.79	QP	
6	*	1.1165	12.92	9.65	22.57	46.00	-23.43	AVG	
7		3.1505	16.21	9.74	25.95	56.00	-30.05	QP	
8		3.1505	12.78	9.74	22.52	46.00	-23.48	AVG	
9		10.4500	17.97	9.95	27.92	60.00	-32.08	QP	
10		10.4500	13.11	9.95	23.06	50.00	-26.94	AVG	
11		22.0500	21.32	10.29	31.61	60.00	-28.39	QP	
12		22.0500	15.50	10.29	25.79	50.00	-24.21	AVG	

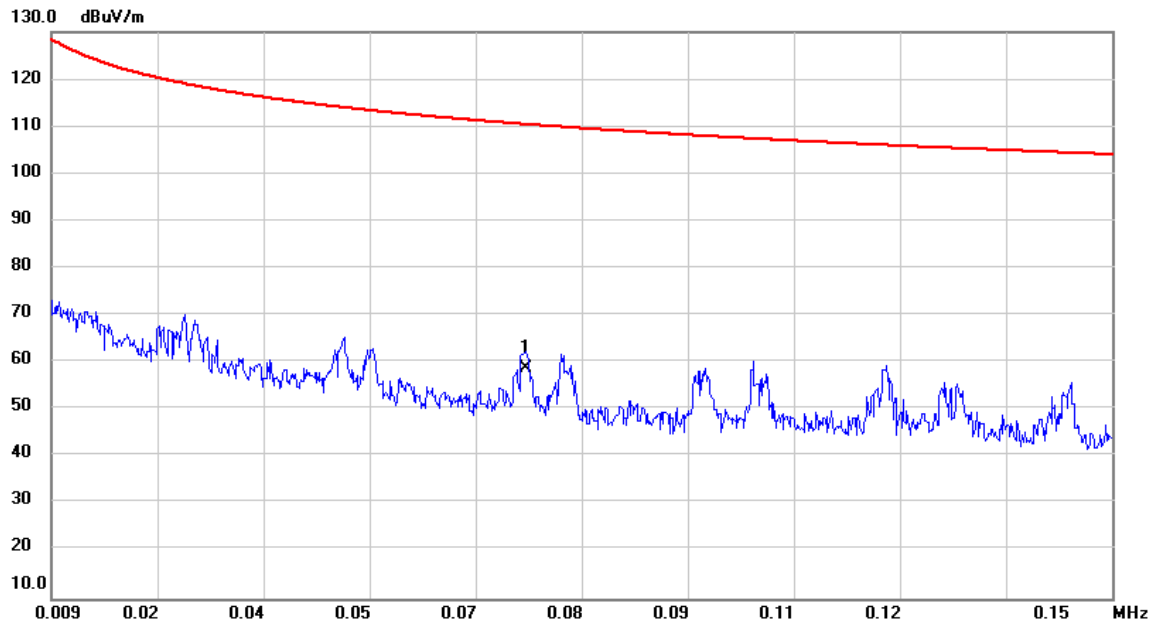
REMARKS:

(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	BT (3 Mbps)	Test Date	2026/6/10
Test Frequency	2402MHz	Polarization	Vertical
Temp	20°C	Hum.	66 %



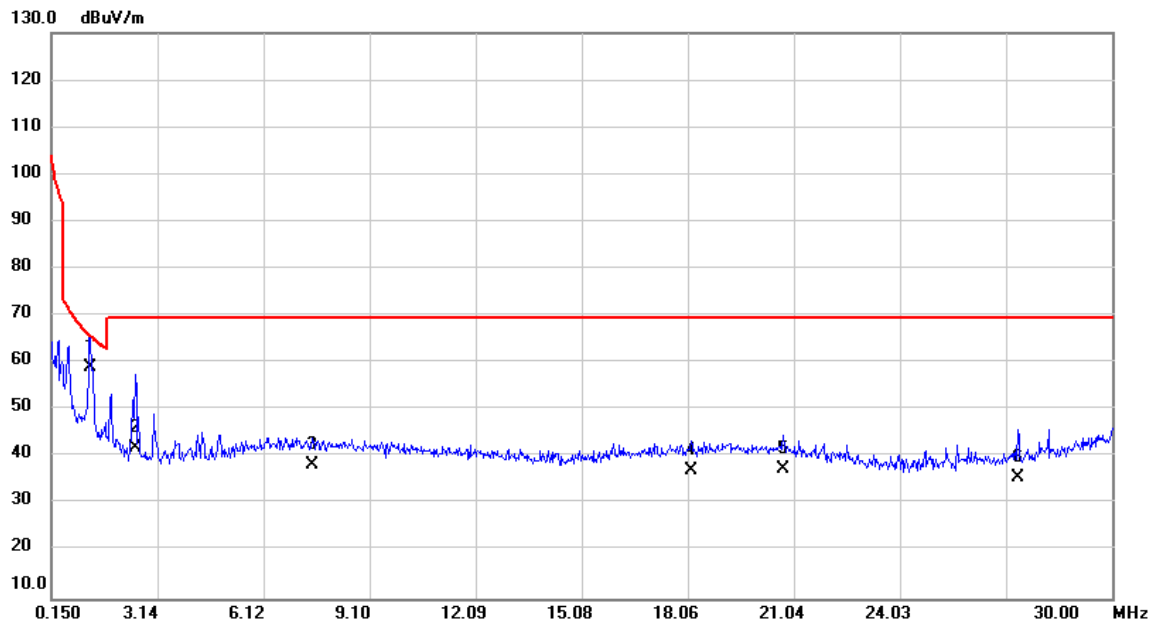
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0720	20.71	38.17	58.88	110.46	-51.58	AVG	

REMARKS:

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

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/10
Test Frequency	2402MHz	Polarization	Vertical
Temp	2°C	Hum.	66 %

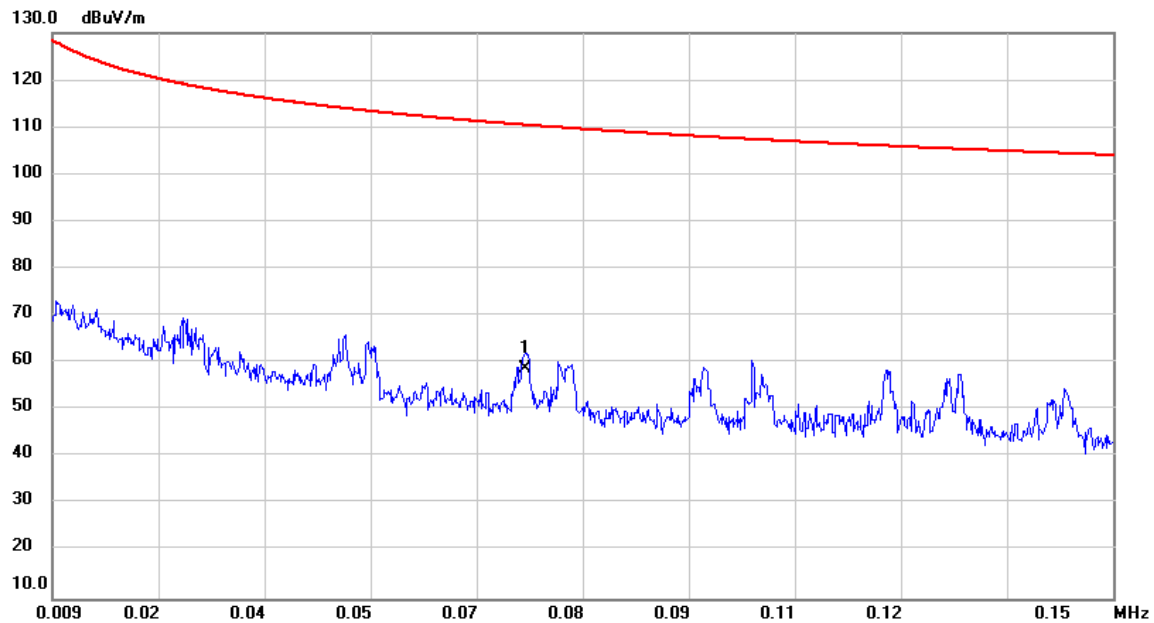


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.2545	41.30	17.83	59.13	65.63	-6.50	QP	
2		2.5082	26.98	15.09	42.07	69.54	-27.47	QP	
3		7.4931	22.93	15.38	38.31	69.54	-31.23	QP	
4		18.1496	22.48	14.73	37.21	69.54	-32.33	QP	
5		20.7465	22.88	14.52	37.40	69.54	-32.14	QP	
6		27.3434	22.80	12.95	35.75	69.54	-33.79	QP	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/10
Test Frequency	2402MHz	Polarization	Horizontal
Temp	20°C	Hum.	66 %

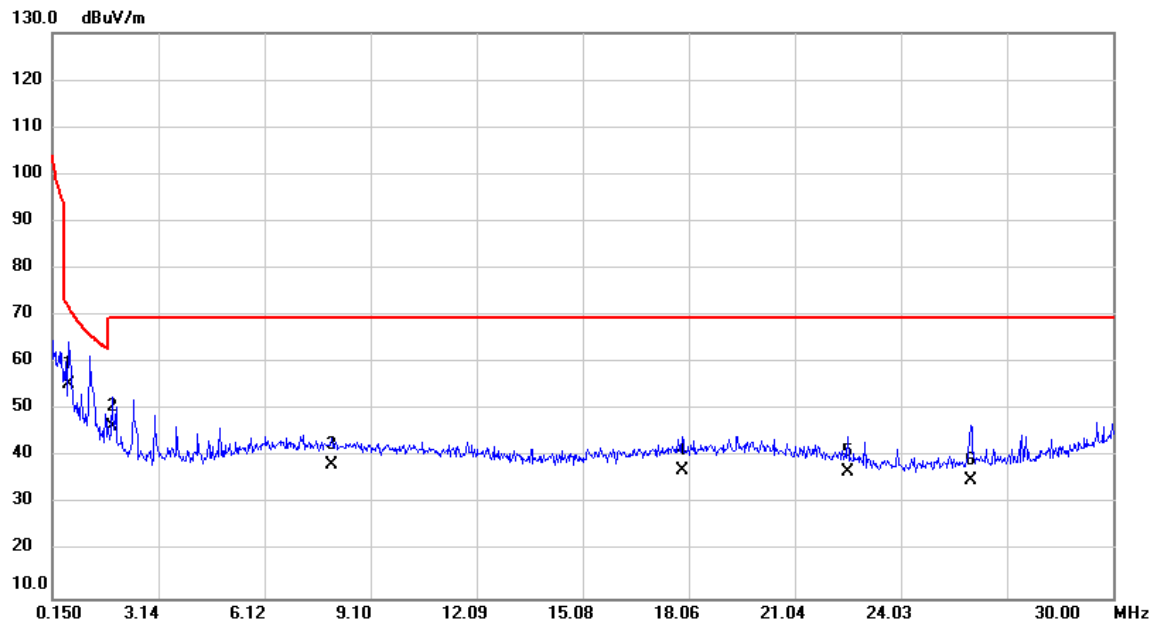


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0718	20.55	38.20	58.75	110.48	-51.73	AVG	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/10
Test Frequency	2402MHz	Polarization	Horizontal
Temp	20°C	Hum.	66 %



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.5978	34.23	21.21	55.44	72.07	-16.63	QP	
2		1.8216	30.25	16.30	46.55	69.54	-22.99	QP	
3		8.0006	22.93	15.38	38.31	69.54	-31.23	QP	
4		17.8810	22.52	14.68	37.20	69.54	-32.34	QP	
5		22.5375	23.55	13.32	36.87	69.54	-32.67	QP	
6		26.0001	22.68	12.40	35.08	69.54	-34.46	QP	

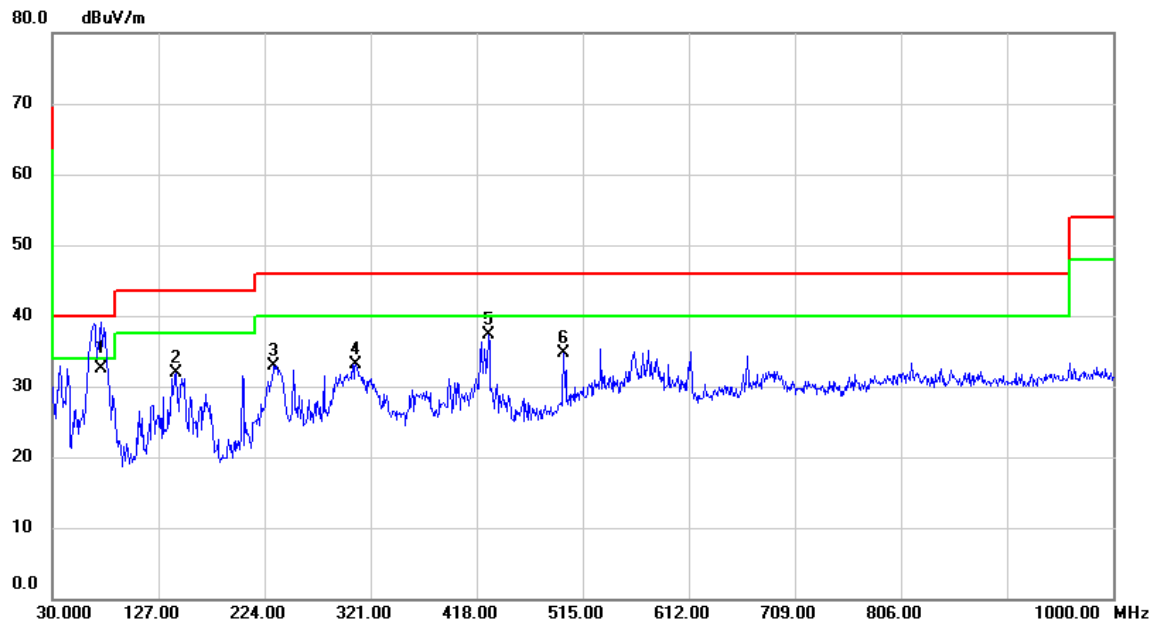
REMARKS:

(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	BT (3 Mbps)	Test Date	2026/6/9
Test Frequency	2402MHz	Polarization	Vertical
Temp	20°C	Hum.	65 %

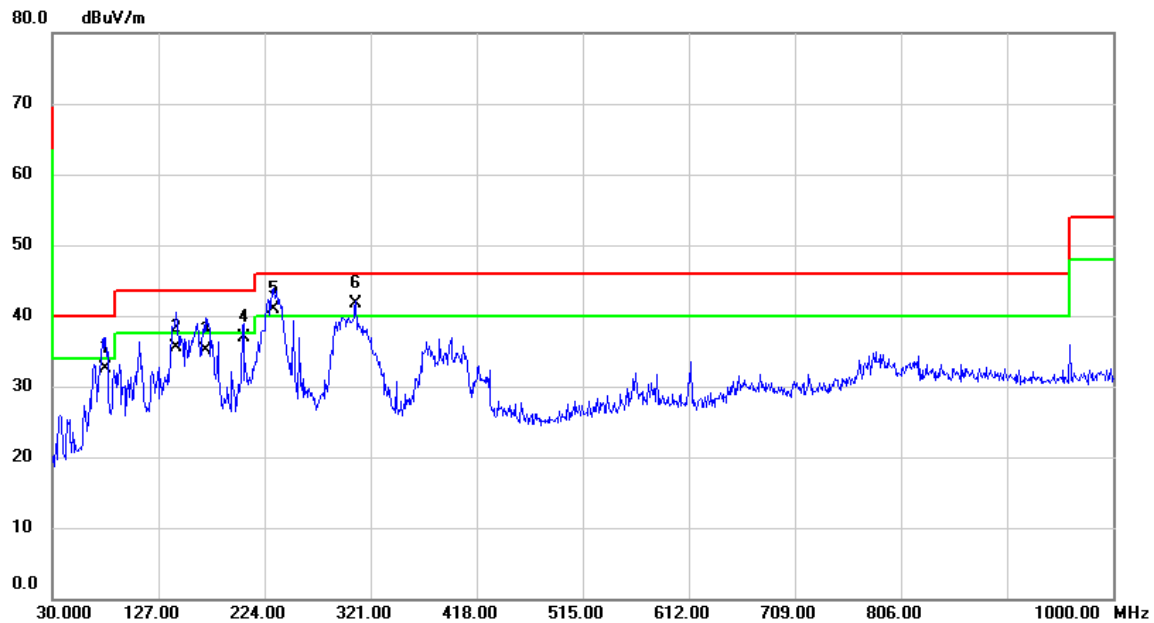


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	74.6200	47.26	-14.81	32.45	40.00	-7.55	QP	
2		142.5200	43.63	-11.72	31.91	43.50	-11.59	peak	
3		232.7300	46.33	-13.40	32.93	46.00	-13.07	peak	
4		307.4200	43.02	-9.86	33.16	46.00	-12.84	peak	
5		428.6700	43.65	-6.43	37.22	46.00	-8.78	peak	
6		497.5400	39.64	-4.88	34.76	46.00	-11.24	peak	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/9
Test Frequency	2402MHz	Polarization	Horizontal
Temp	20°C	Hum.	65 %



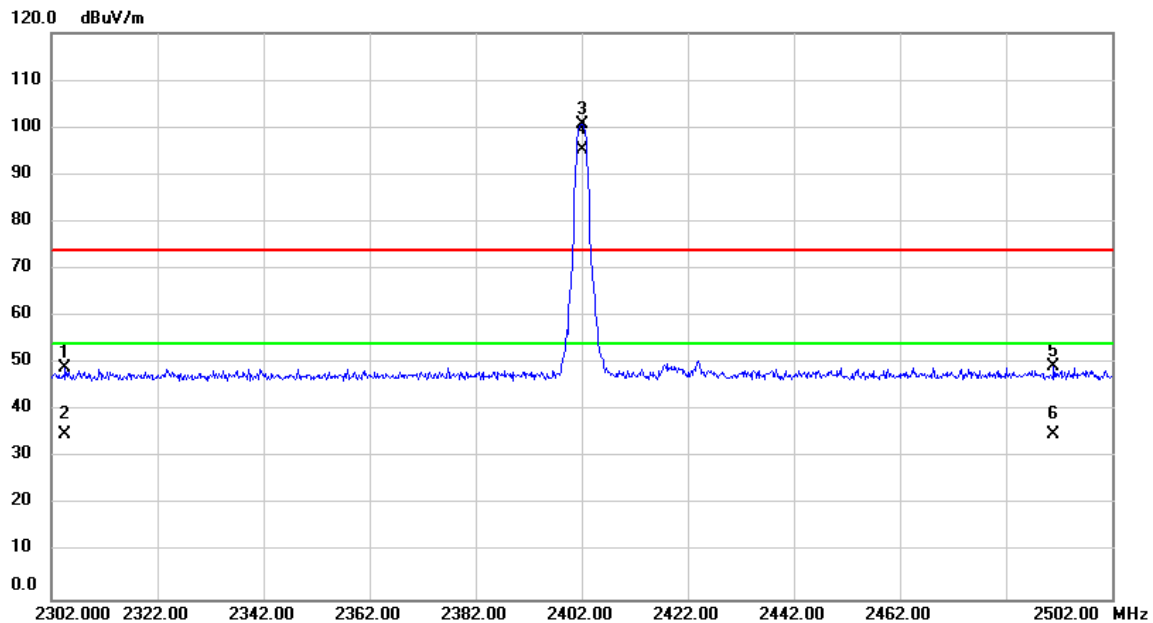
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		78.5000	48.27	-15.72	32.55	40.00	-7.45	QP	
2		142.5200	47.25	-11.72	35.53	43.50	-7.97	QP	
3		169.6800	46.88	-11.68	35.20	43.50	-8.30	QP	
4		204.6000	51.10	-14.22	36.88	43.50	-6.62	QP	
5		231.7600	54.51	-13.53	40.98	46.00	-5.02	QP	
6	*	307.4200	51.58	-9.86	41.72	46.00	-4.28	QP	

REMARKS:

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

APPENDIX D RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %



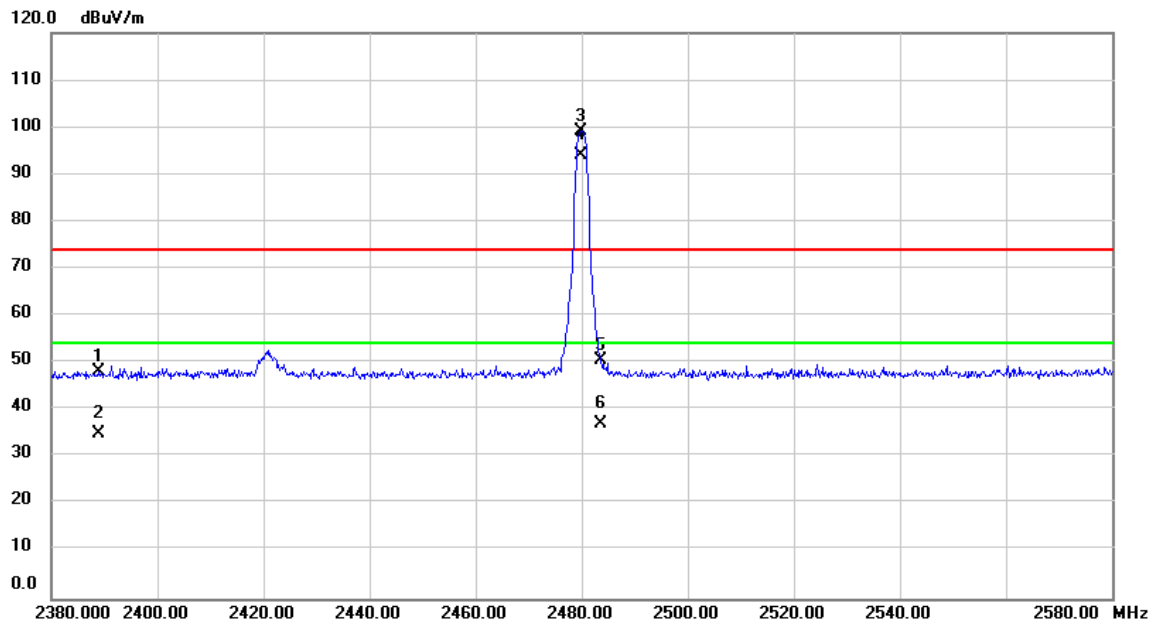
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2304.600	45.33	3.85	49.18	74.00	-24.82	peak	
2		2304.600	31.09	3.85	34.94	54.00	-19.06	AVG	
3	X	2402.200	96.70	4.01	100.71	74.00	26.71	peak	No Limit
4	*	2402.200	91.36	4.01	95.37	54.00	41.37	AVG	No Limit
5		2491.000	45.07	4.16	49.23	74.00	-24.77	peak	
6		2491.000	30.85	4.16	35.01	54.00	-18.99	AVG	

REMARKS:

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

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %



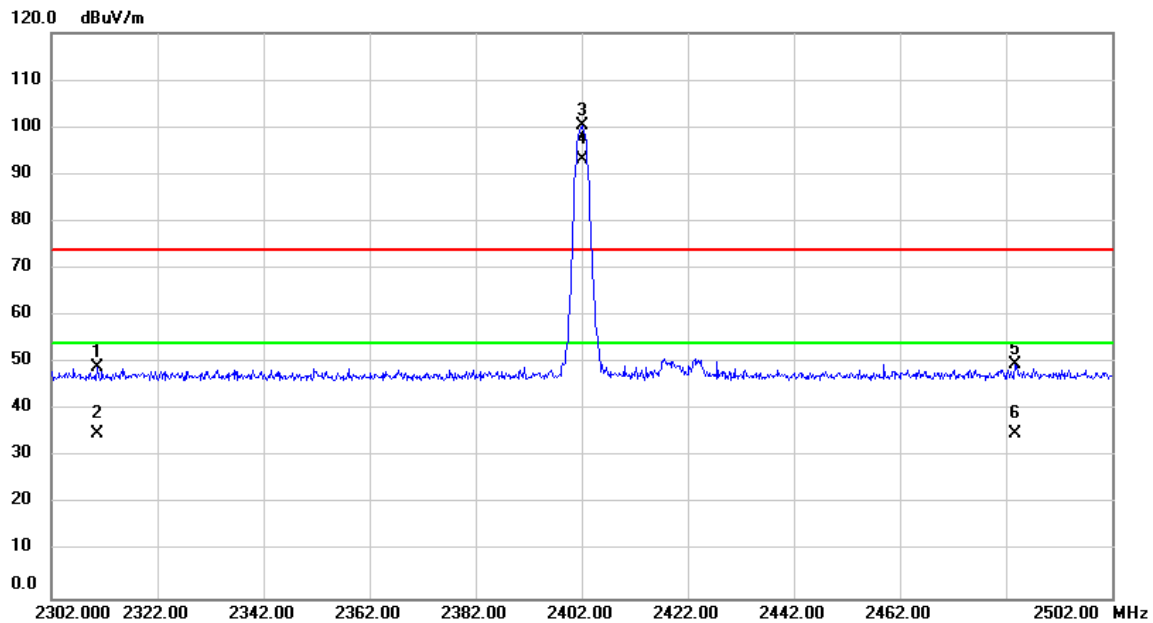
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.800	44.30	3.99	48.29	74.00	-25.71	peak	
2		2388.800	30.96	3.99	34.95	54.00	-19.05	AVG	
3	X	2479.800	95.02	4.14	99.16	74.00	25.16	peak	No Limit
4	*	2479.800	89.80	4.14	93.94	54.00	39.94	AVG	No Limit
5		2483.600	46.34	4.15	50.49	74.00	-23.51	peak	
6		2483.600	32.97	4.15	37.12	54.00	-16.88	AVG	

REMARKS:

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

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %

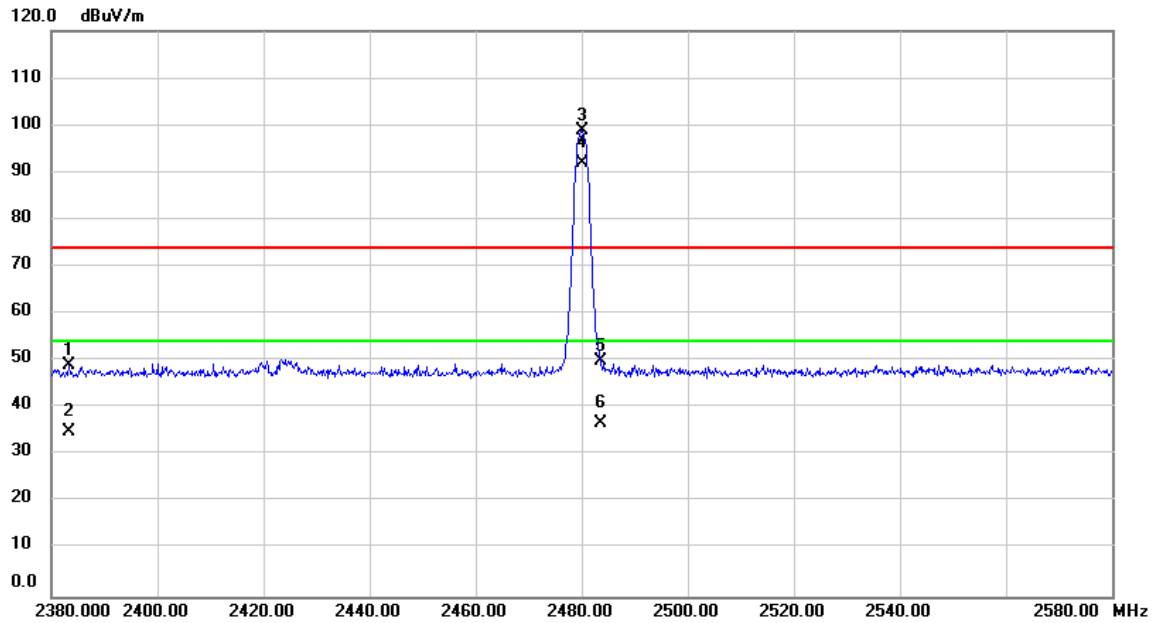


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.600	45.34	3.85	49.19	74.00	-24.81	peak	
2		2310.600	31.05	3.85	34.90	54.00	-19.10	AVG	
3	X	2402.000	96.22	4.01	100.23	74.00	26.23	peak	No Limit
4	*	2402.000	89.07	4.01	93.08	54.00	39.08	AVG	No Limit
5		2483.800	45.42	4.15	49.57	74.00	-24.43	peak	
6		2483.800	30.88	4.15	35.03	54.00	-18.97	AVG	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %

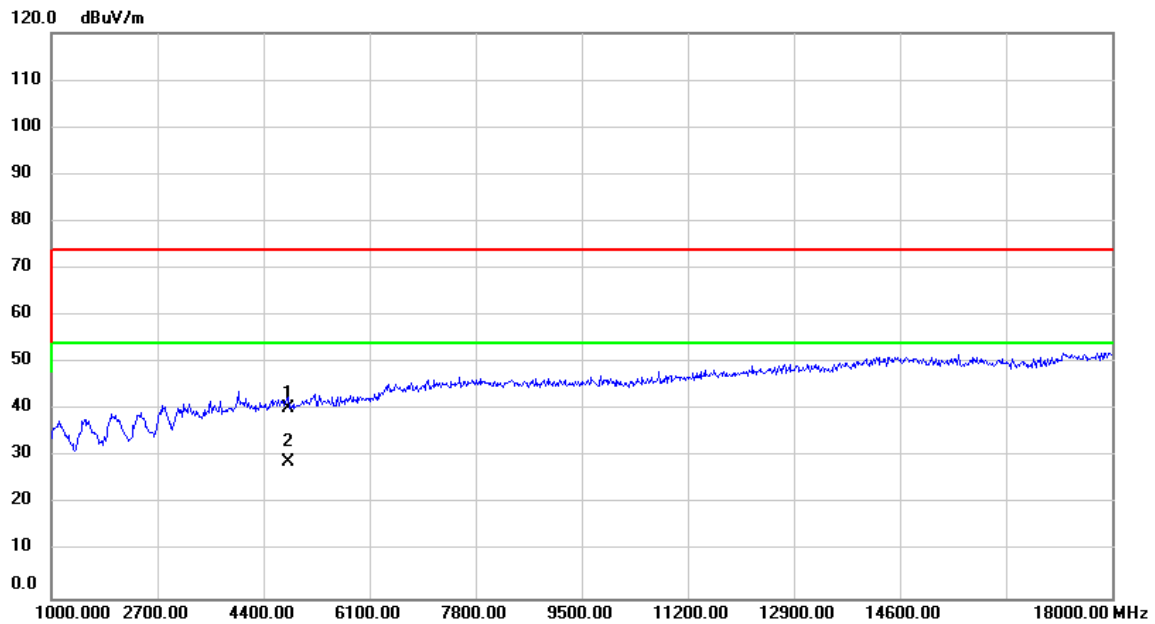


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.400	45.14	3.98	49.12	74.00	-24.88	peak	
2		2383.400	30.86	3.98	34.84	54.00	-19.16	AVG	
3	X	2480.000	94.82	4.14	98.96	74.00	24.96	peak	No Limit
4	*	2480.000	87.67	4.14	91.81	54.00	37.81	AVG	No Limit
5		2483.600	45.69	4.15	49.84	74.00	-24.16	peak	
6		2483.600	32.67	4.15	36.82	54.00	-17.18	AVG	

REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2402MHz	Polarization	Vertical
Temp	23°C	Hum.	60 %

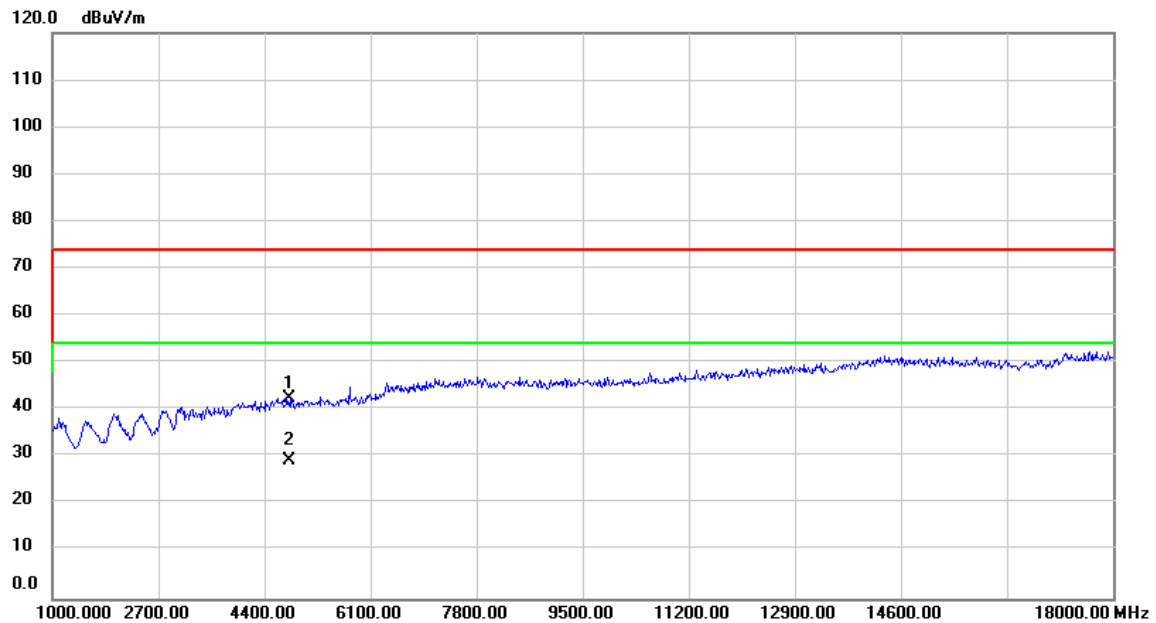


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4804.000	40.19	0.20	40.39	74.00	-33.61	peak	
2	*	4804.000	28.83	0.20	29.03	54.00	-24.97	AVG	

REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %



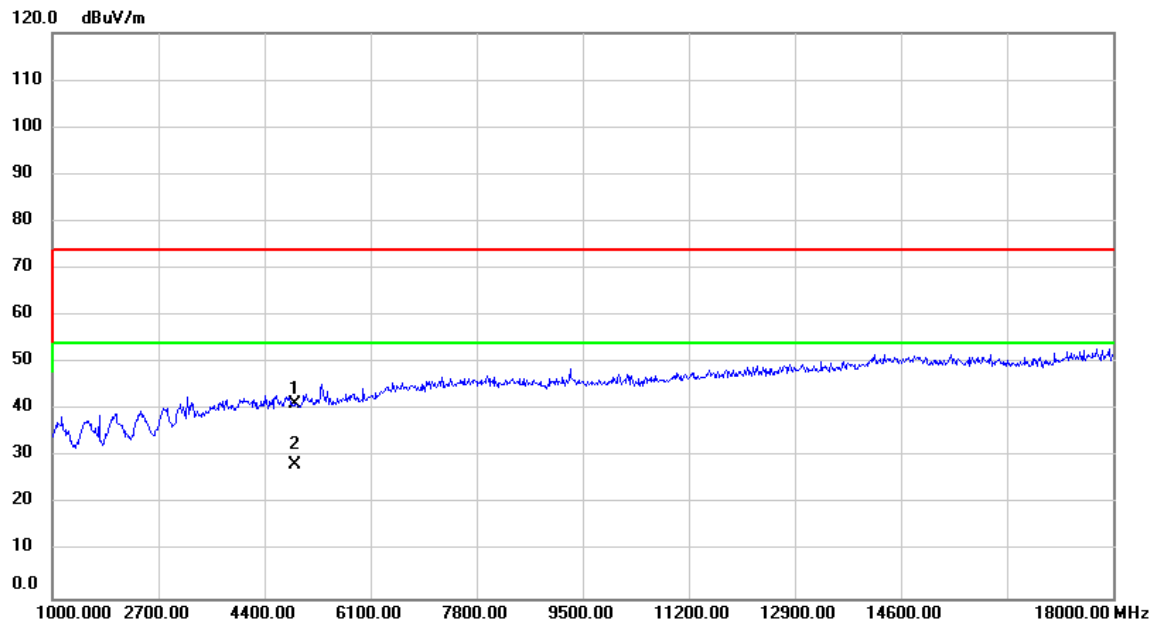
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	42.39	0.20	42.59	74.00	-31.41	peak	
2	*	4804.000	28.97	0.20	29.17	54.00	-24.83	AVG	

REMARKS:

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

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2441MHz	Polarization	Vertical
Temp	23°C	Hum.	60 %



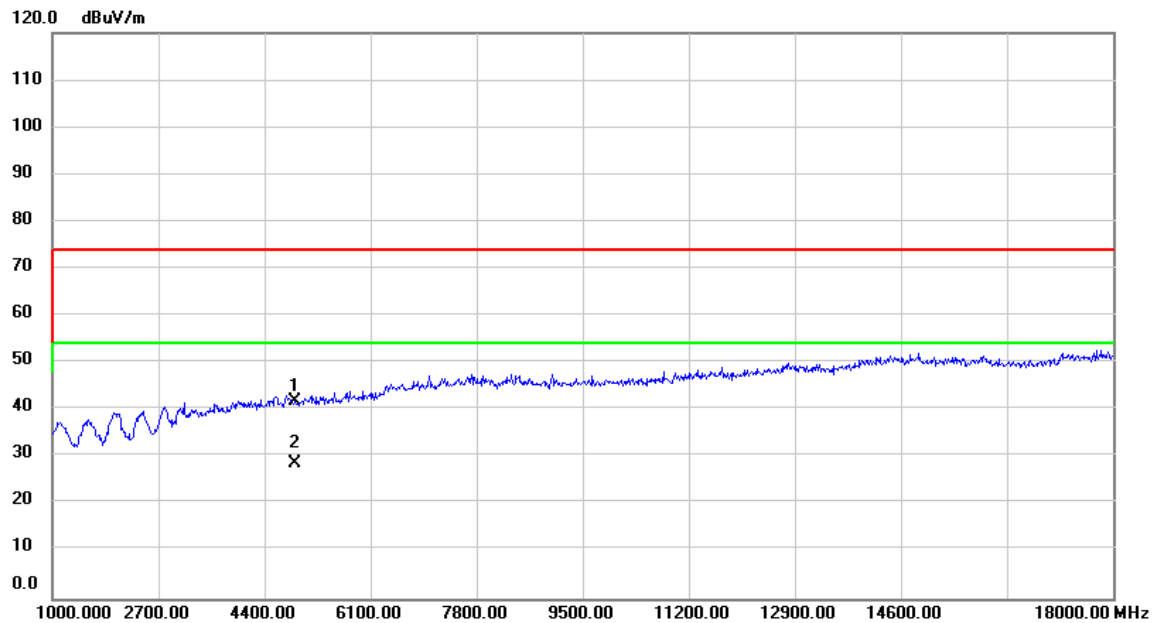
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	40.90	0.34	41.24	74.00	-32.76	peak	
2	*	4882.000	28.01	0.34	28.35	54.00	-25.65	AVG	

REMARKS:

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

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2441MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %

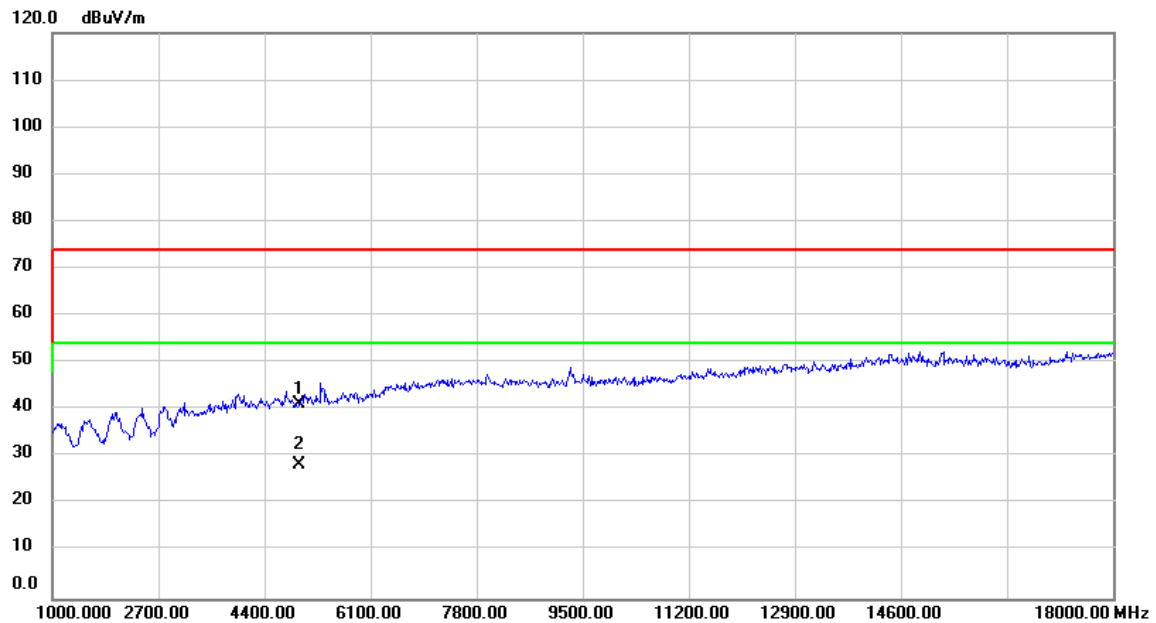


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	41.37	0.34	41.71	74.00	-32.29	peak	
2	*	4882.000	28.33	0.34	28.67	54.00	-25.33	AVG	

REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2480MHz	Polarization	Vertical
Temp	23°C	Hum.	60 %



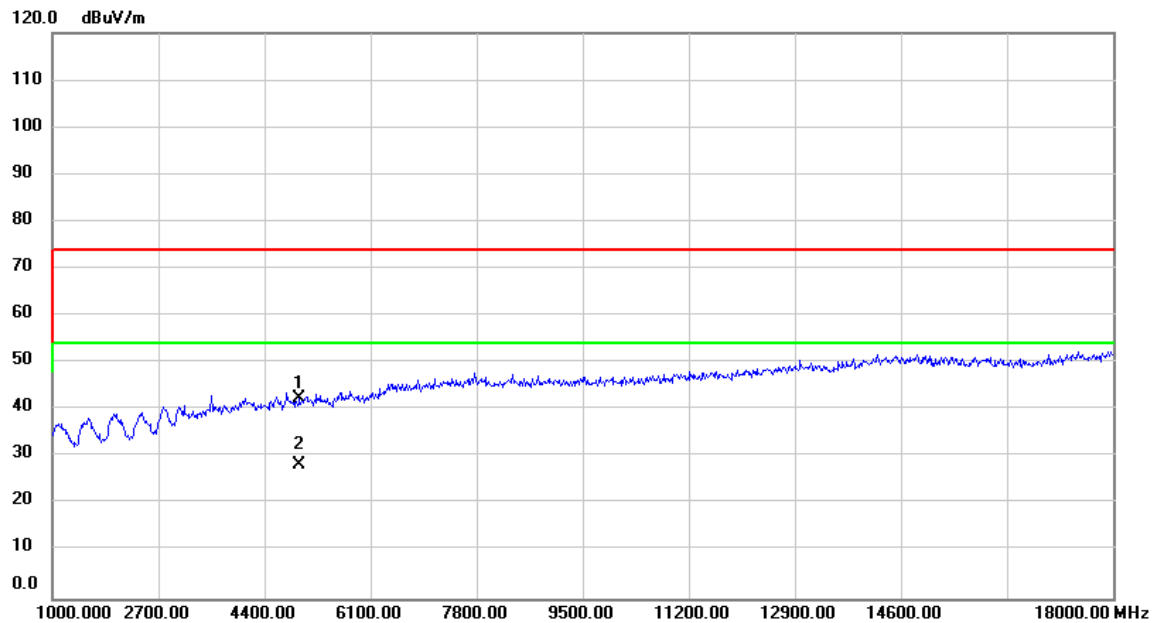
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	40.89	0.48	41.37	74.00	-32.63	peak	
2	*	4960.000	27.96	0.48	28.44	54.00	-25.56	AVG	

REMARKS:

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

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

Test Mode	BT (1 Mbps)	Test Date	2026/6/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %



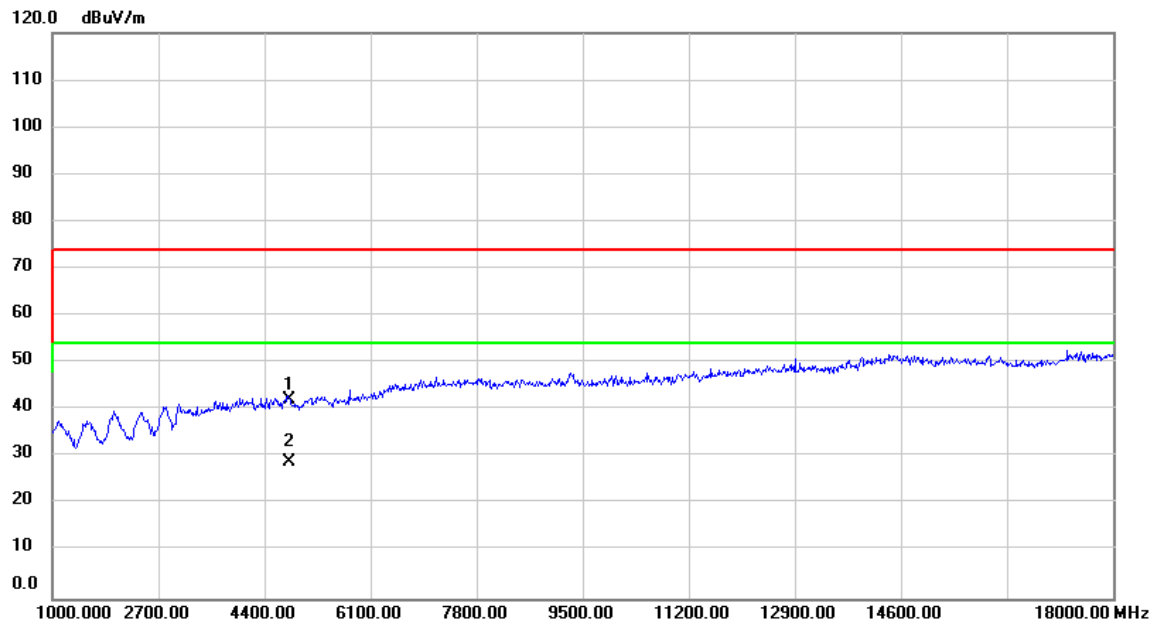
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	42.09	0.48	42.57	74.00	-31.43	peak	
2	*	4960.000	27.96	0.48	28.44	54.00	-25.56	AVG	

REMARKS:

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

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2402MHz	Polarization	Vertical
Temp	23°C	Hum.	60 %

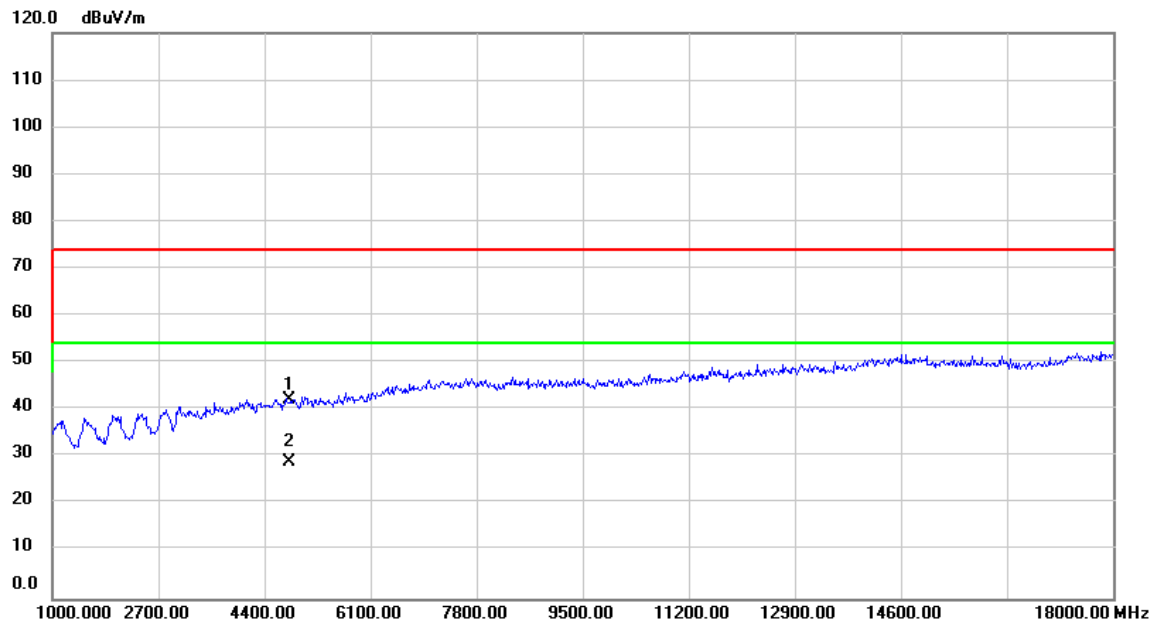


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4804.000	42.06	0.20	42.26	74.00	-31.74	peak	
2	*	4804.000	28.88	0.20	29.08	54.00	-24.92	AVG	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %

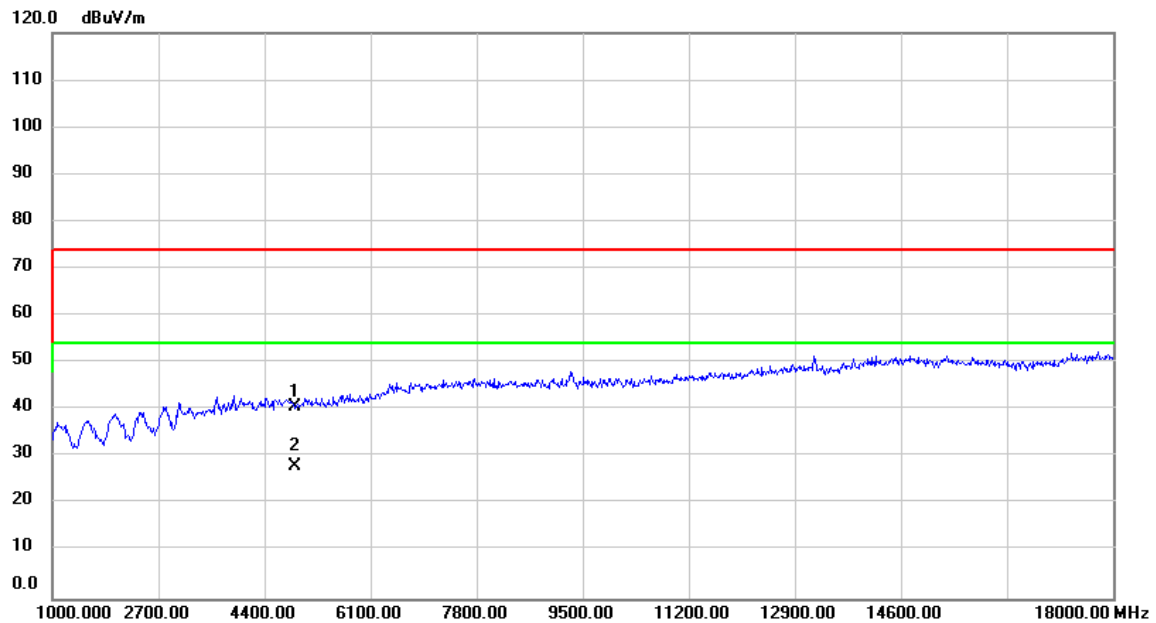


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	41.82	0.20	42.02	74.00	-31.98	peak	
2	*	4804.000	28.71	0.20	28.91	54.00	-25.09	AVG	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2441MHz	Polarization	Vertical
Temp	23°C	Hum.	60 %

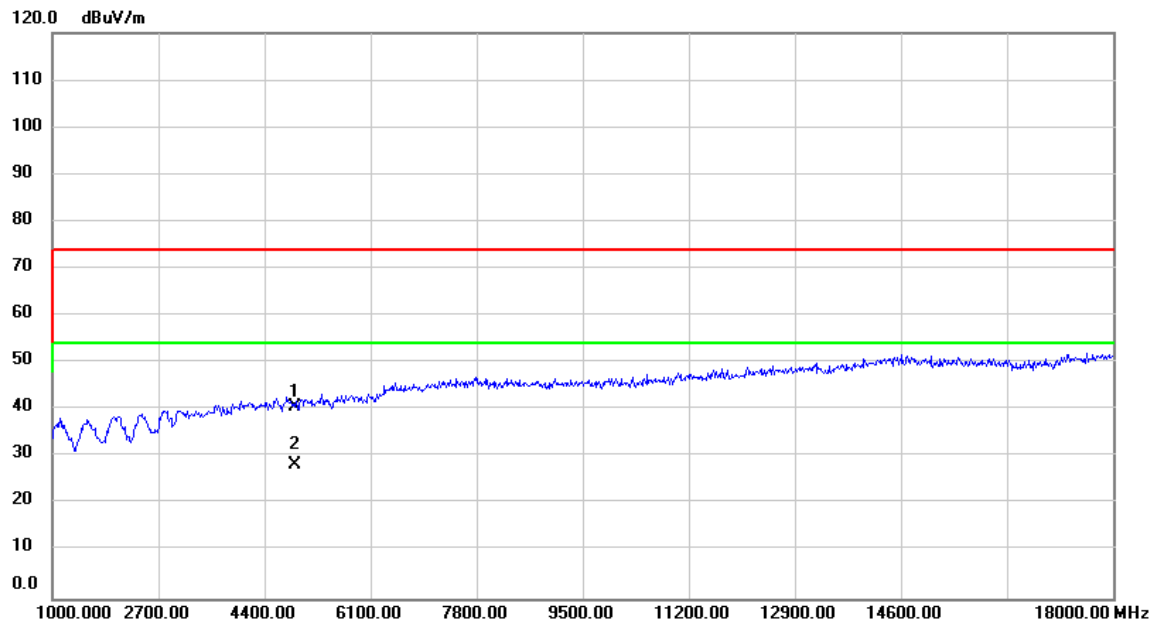


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	40.44	0.34	40.78	74.00	-33.22	peak	
2	*	4882.000	27.75	0.34	28.09	54.00	-25.91	AVG	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2441MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %



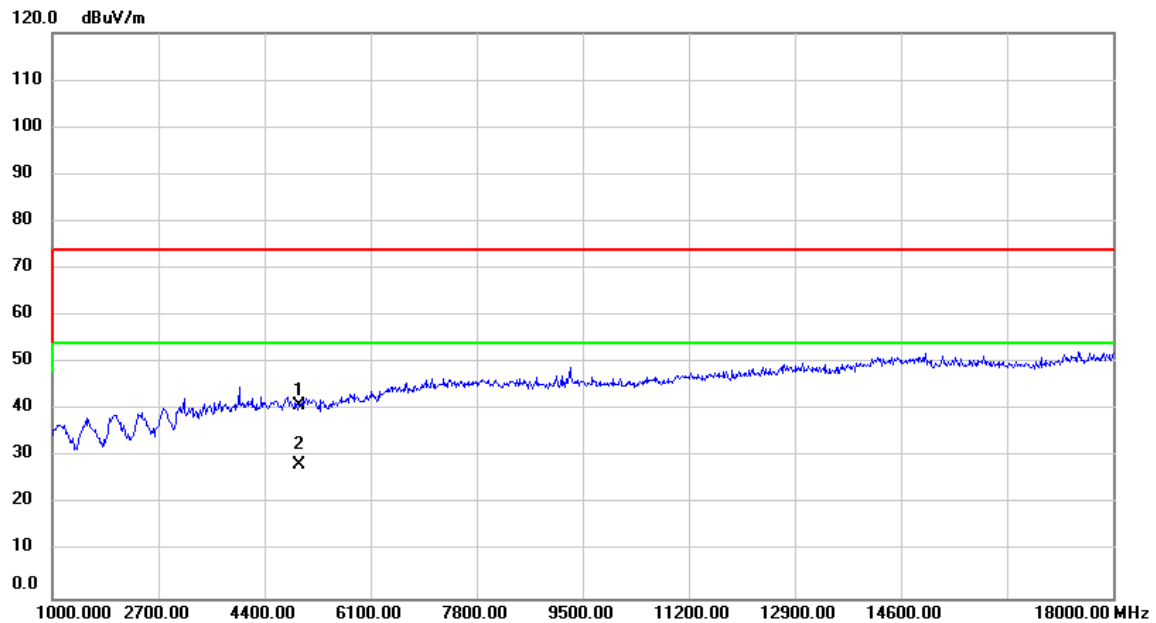
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	40.34	0.34	40.68	74.00	-33.32	peak	
2	*	4882.000	28.01	0.34	28.35	54.00	-25.65	AVG	

REMARKS:

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

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2480MHz	Polarization	Vertical
Temp	23°C	Hum.	60 %



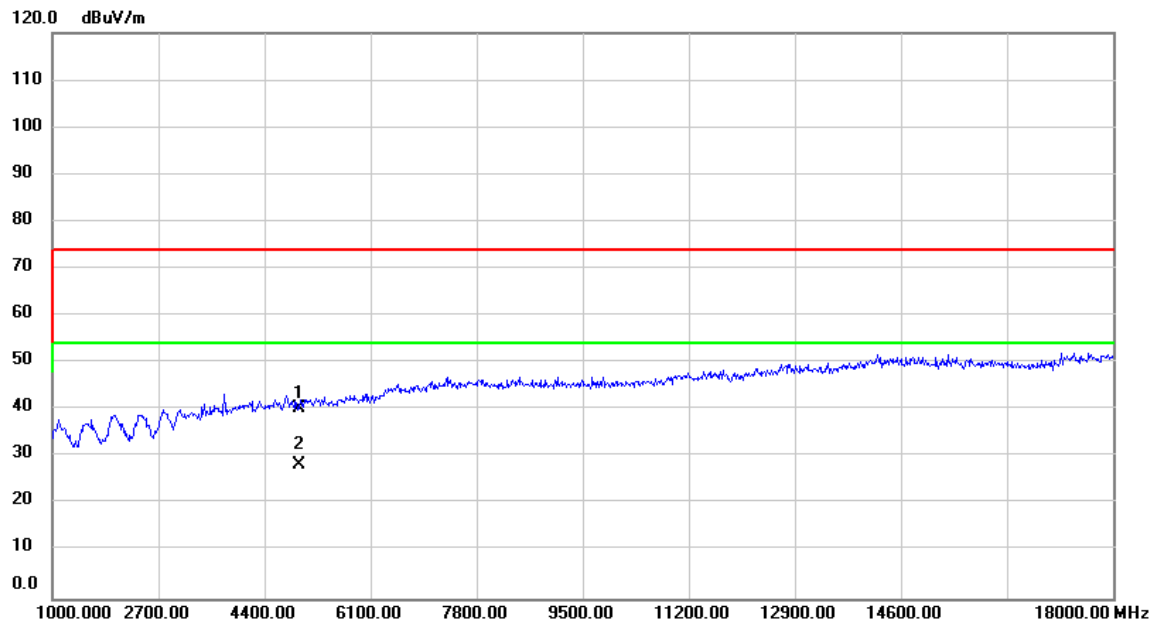
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	40.61	0.48	41.09	74.00	-32.91	peak	
2	*	4960.000	27.78	0.48	28.26	54.00	-25.74	AVG	

REMARKS:

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

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	23°C	Hum.	60 %



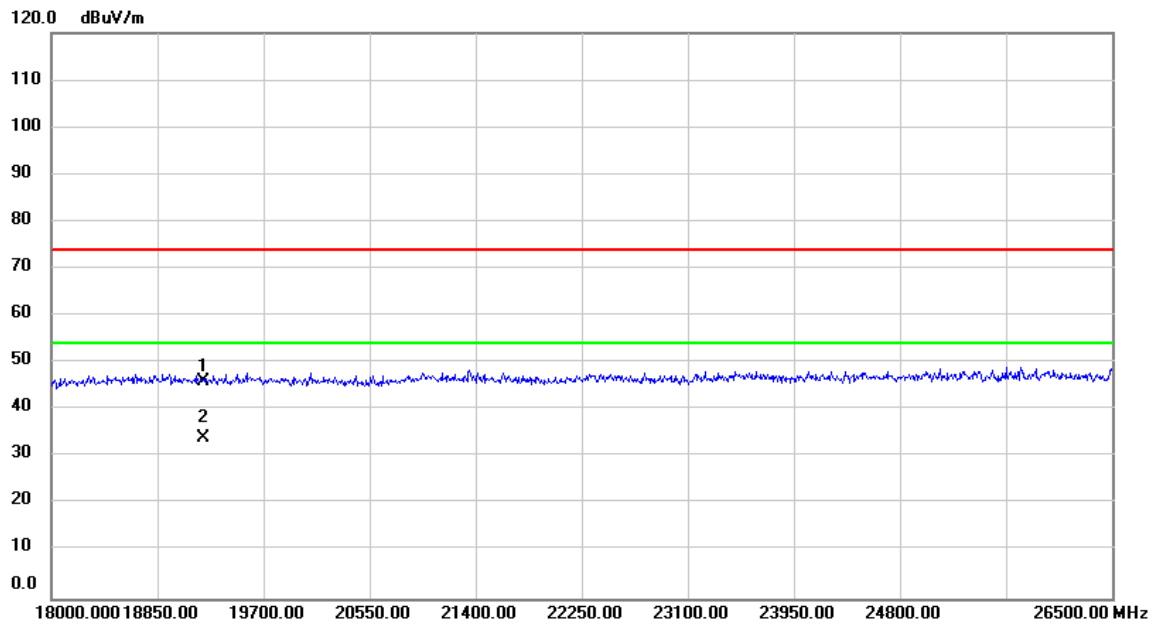
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	39.90	0.48	40.38	74.00	-33.62	peak	
2	*	4960.000	27.81	0.48	28.29	54.00	-25.71	AVG	

REMARKS:

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

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/10
Test Frequency	2402MHz	Polarization	Vertical
Temp	20°C	Hum.	65 %

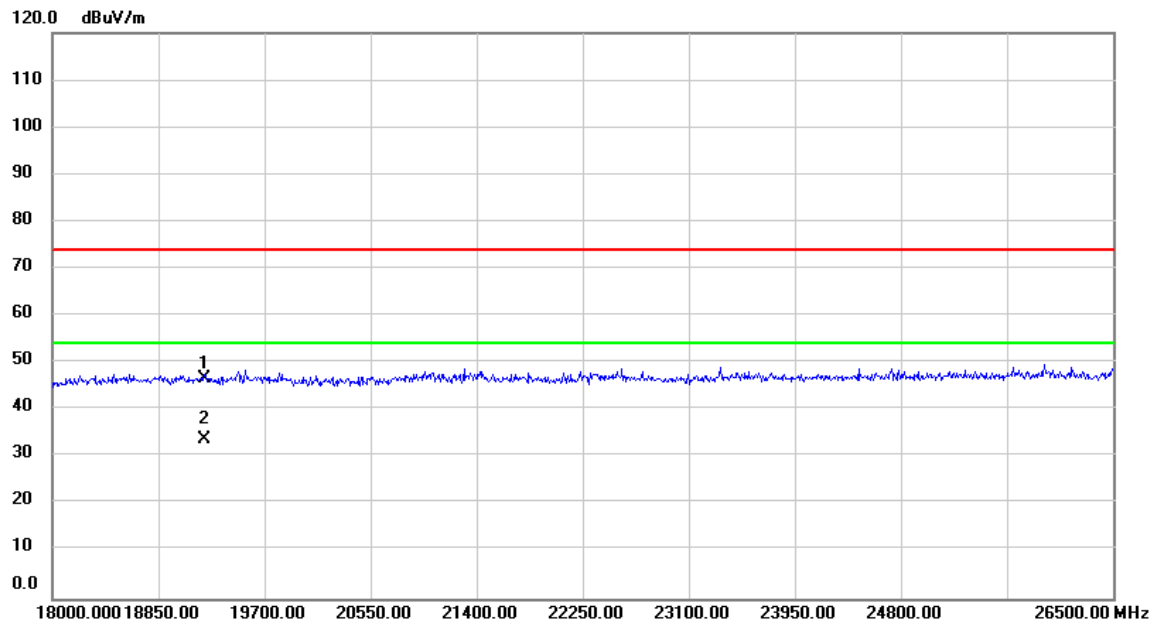


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19216.00	55.60	-9.67	45.93	74.00	-28.07	peak	
2	*	19216.00	43.64	-9.67	33.97	54.00	-20.03	AVG	

REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2026/6/10
Test Frequency	2402MHz	Polarization	Horizontal
Temp	20°C	Hum.	65 %



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		19216.00	56.32	-9.67	46.65	74.00	-27.35	peak	
2	*	19216.00	43.54	-9.67	33.87	54.00	-20.13	AVG	

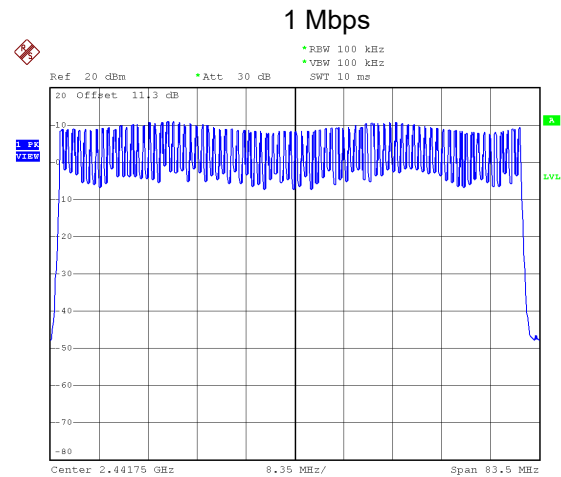
REMARKS:

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

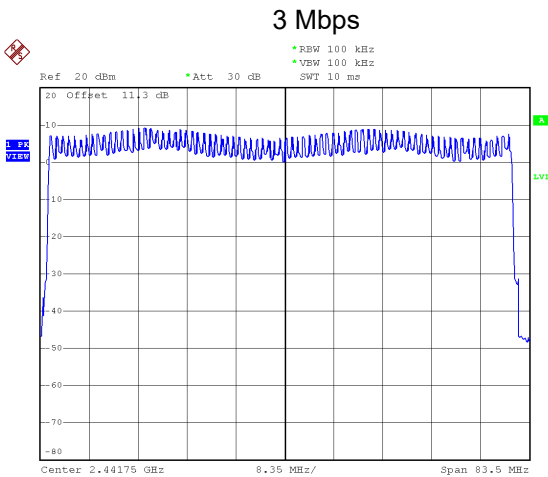
APPENDIX E NUMBER OF HOPPING CHANNEL

Test Mode	1/3Mbps
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Test Mode	Number of Hopping Channel	≥ Limit	Test Result
1 Mbps	79	15	Pass
3 Mbps	79	15	Pass



Date: 28.APR.2026 12:42:10

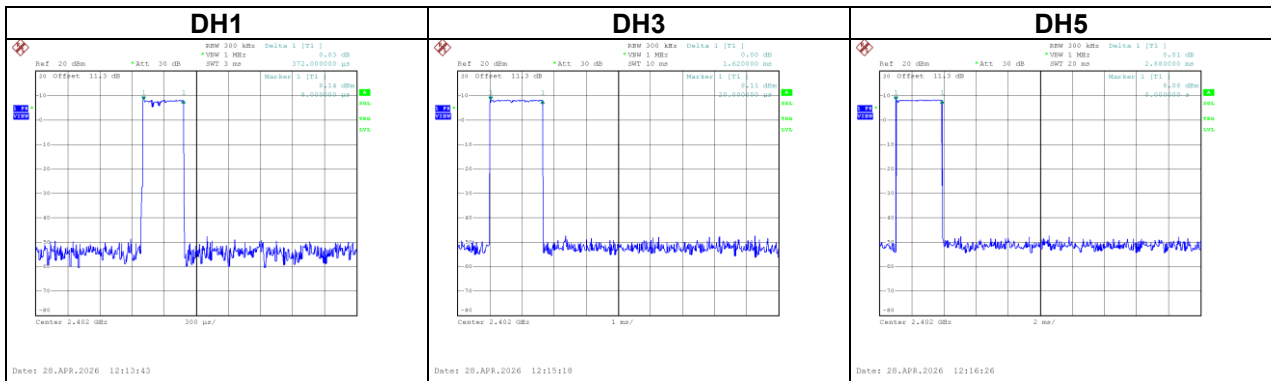


Date: 28.APR.2026 12:48:34

APPENDIX F AVERAGE TIME OF OCCUPANCY

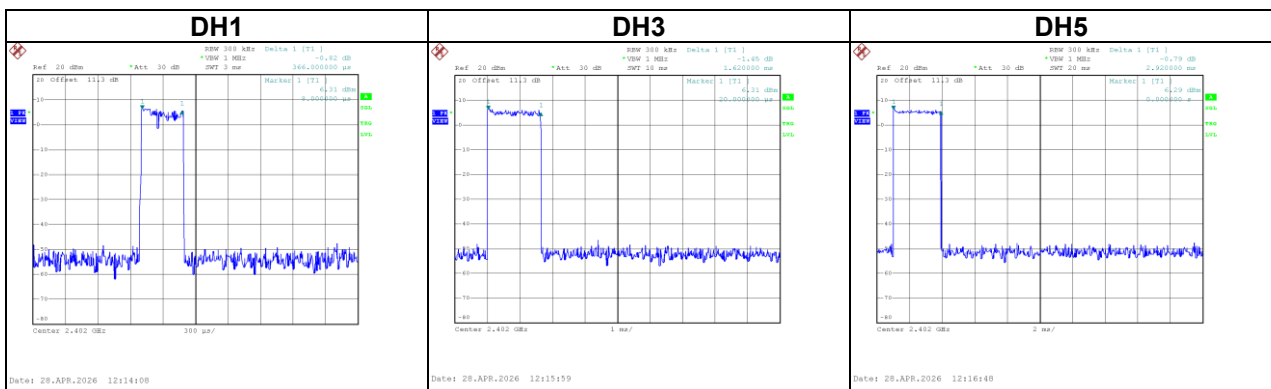
Test Mode : 1Mbps

Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402	2.8800	0.3072	0.4000	Pass
DH3	2402	1.6200	0.2592	0.4000	Pass
DH1	2402	0.3720	0.1190	0.4000	Pass



Test Mode : 3Mbps

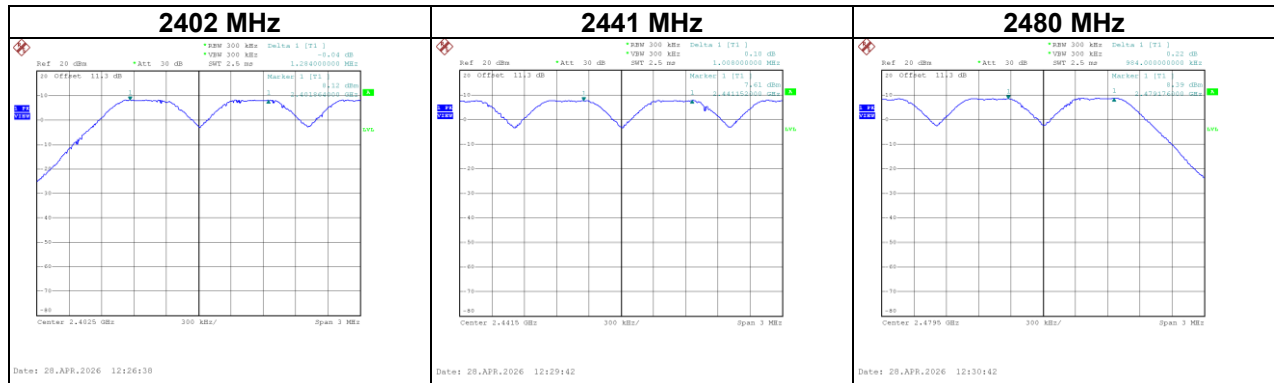
Data Packet	Frequency	Pulse Duration(ms)	Dwell Time(s)	Limits(s)	Test Result
DH5	2402	2.9200	0.3115	0.4000	Pass
DH3	2402	1.6200	0.2592	0.4000	Pass
DH1	2402	0.3660	0.1171	0.4000	Pass



APPENDIX G HOPPING CHANNEL SEPARATION MEASUREMENT

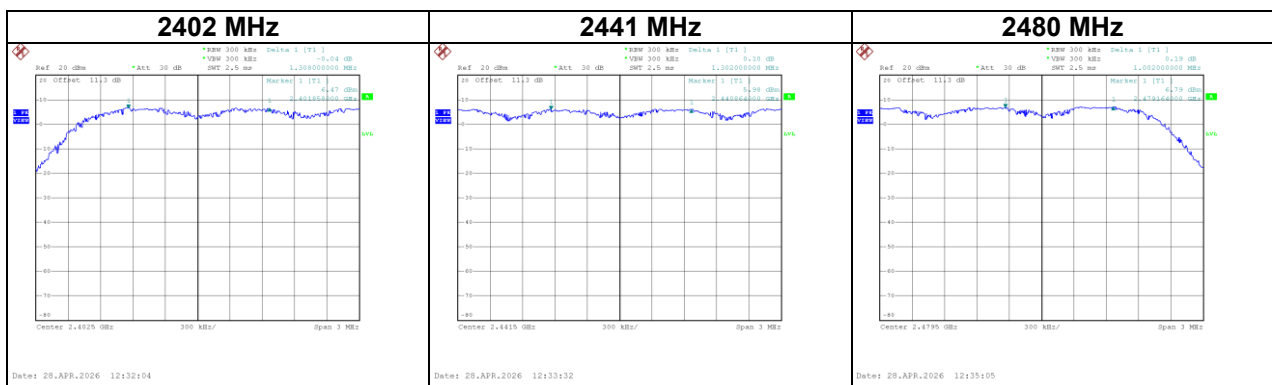
Test Mode : 1Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.284	0.628	Pass
2441	1.008	0.636	Pass
2480	0.984	0.632	Pass



Test Mode : 3Mbps

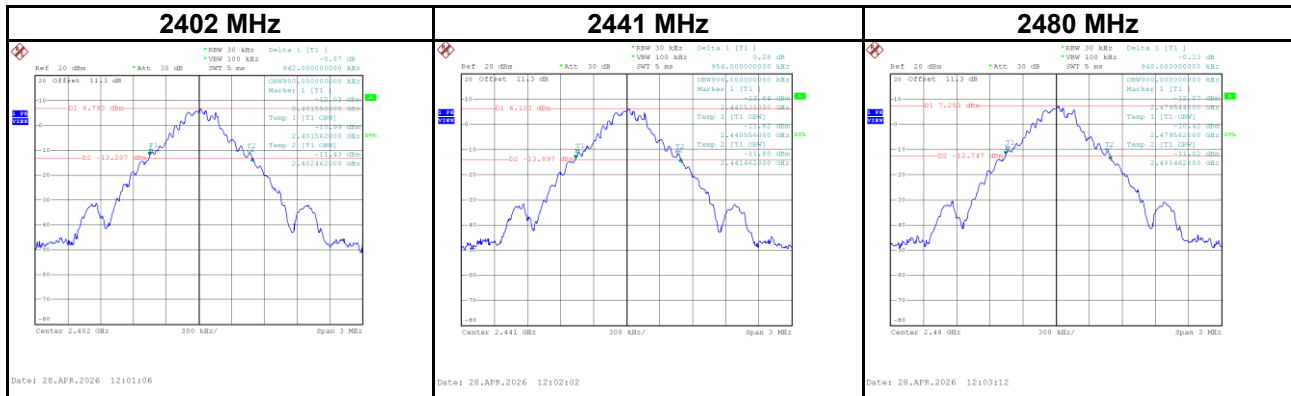
Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.308	0.864	Pass
2441	1.302	0.864	Pass
2480	1.002	0.864	Pass



APPENDIX H BANDWIDTH

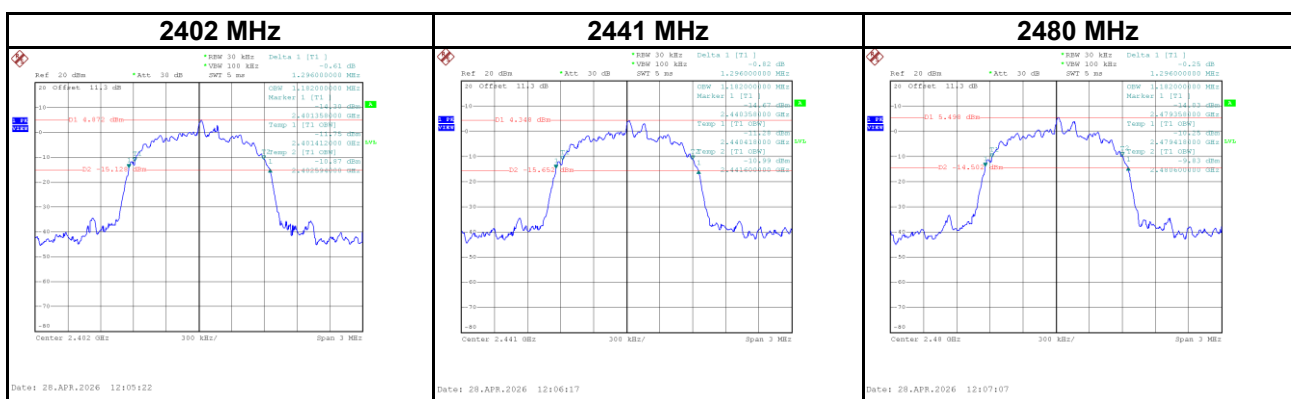
Test Mode : 1Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	0.942	0.900	Pass
2441	0.954	0.906	Pass
2480	0.948	0.900	Pass



Test Mode : 3Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.296	1.182	Pass
2441	1.296	1.182	Pass
2480	1.296	1.182	Pass



APPENDIX I OUTPUT POWER

Test Mode :	1Mbps	Tested Date	2026/4/28
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2402	9.79	0.0095	20.97	0.1250	Pass
2441	9.27	0.0085	20.97	0.1250	Pass
2480	10.16	0.0104	20.97	0.1250	Pass

Test Mode :	2Mbps	Tested Date	2026/4/28
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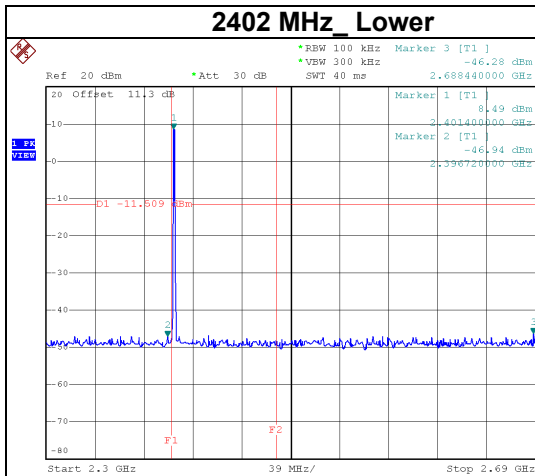
Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2402	9.72	0.0094	20.97	0.1250	Pass
2441	9.21	0.0083	20.97	0.1250	Pass
2480	10.17	0.0104	20.97	0.1250	Pass

Test Mode :	3Mbps	Tested Date	2026/4/28
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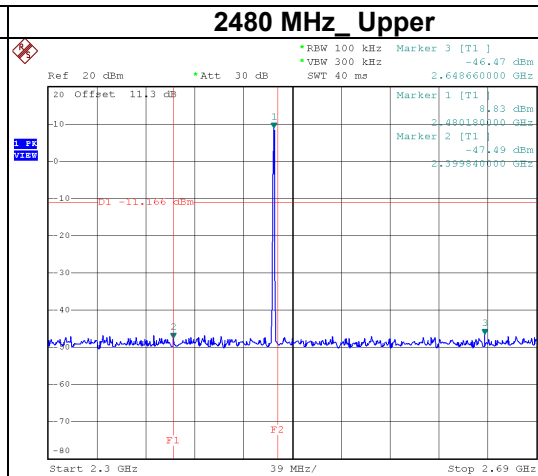
Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2402	10.18	0.0104	20.97	0.1250	Pass
2441	9.63	0.0092	20.97	0.1250	Pass
2480	10.56	0.0114	20.97	0.1250	Pass

APPENDIX J ANTENNA CONDUCTED SPURIOUS EMISSION

Test Mode 1Mbps

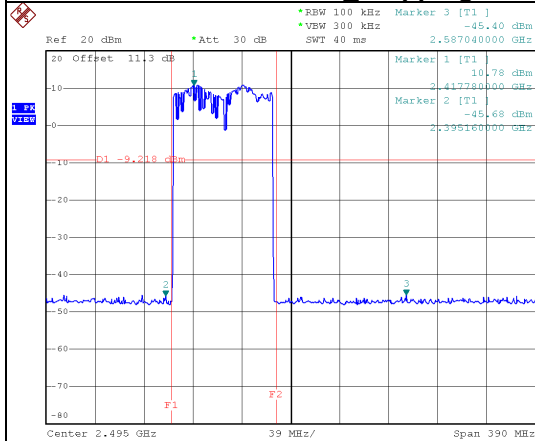


Date: 28.APR.2026 12:01:17



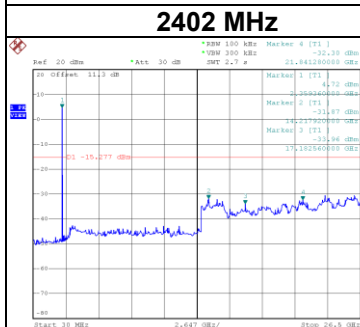
Date: 28.APR.2026 12:03:23

2402 MHz to 2480 MHz_Hopping on mode

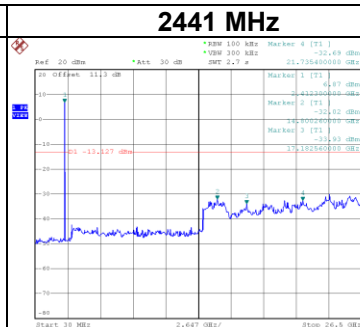


Date: 28.APR.2026 12:20:51

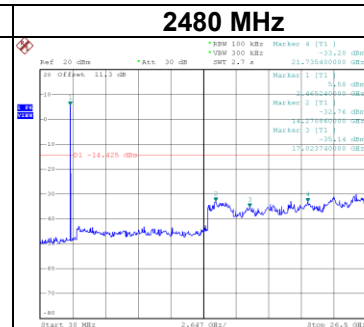
10th Harmonics



Date: 28.APR.2026 12:01:28

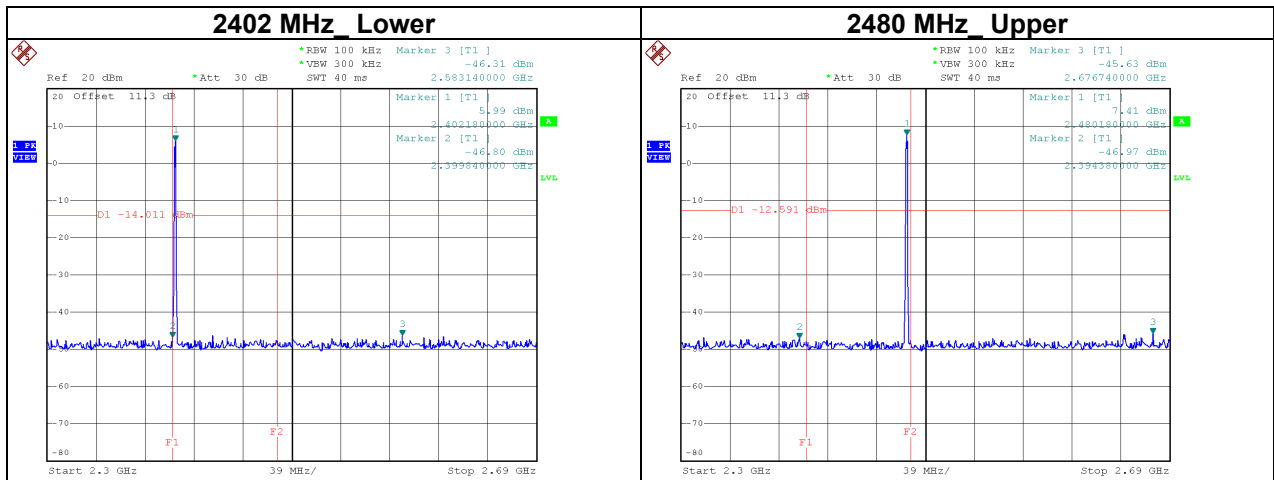


Date: 28.APR.2026 12:02:14



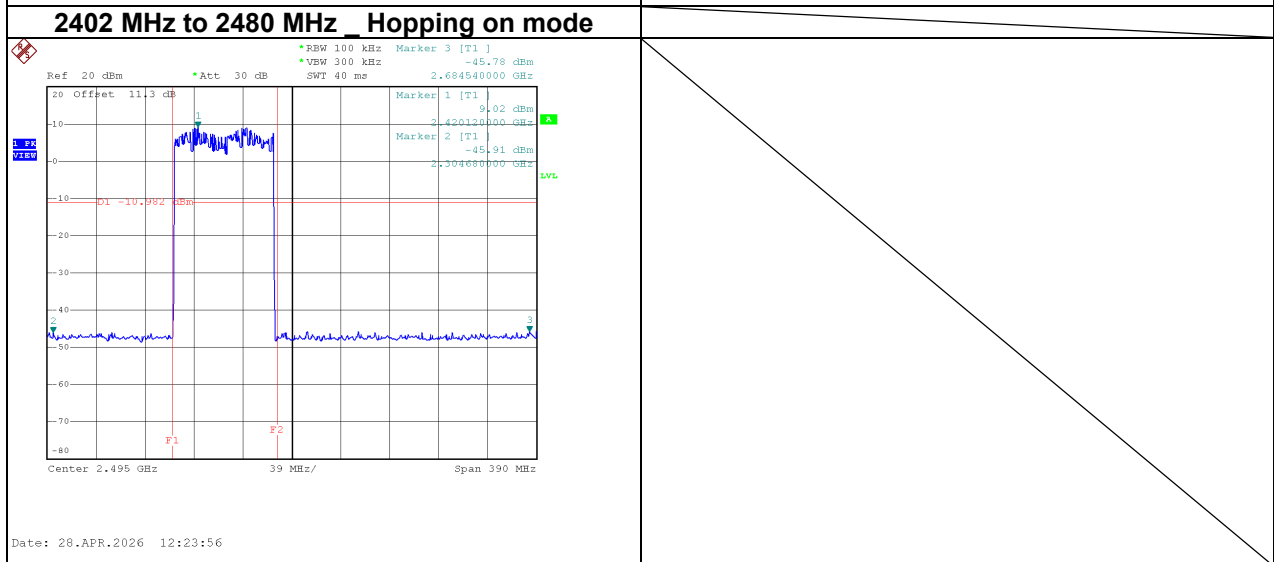
Date: 28.APR.2026 12:03:14

Test Mode 3Mbps

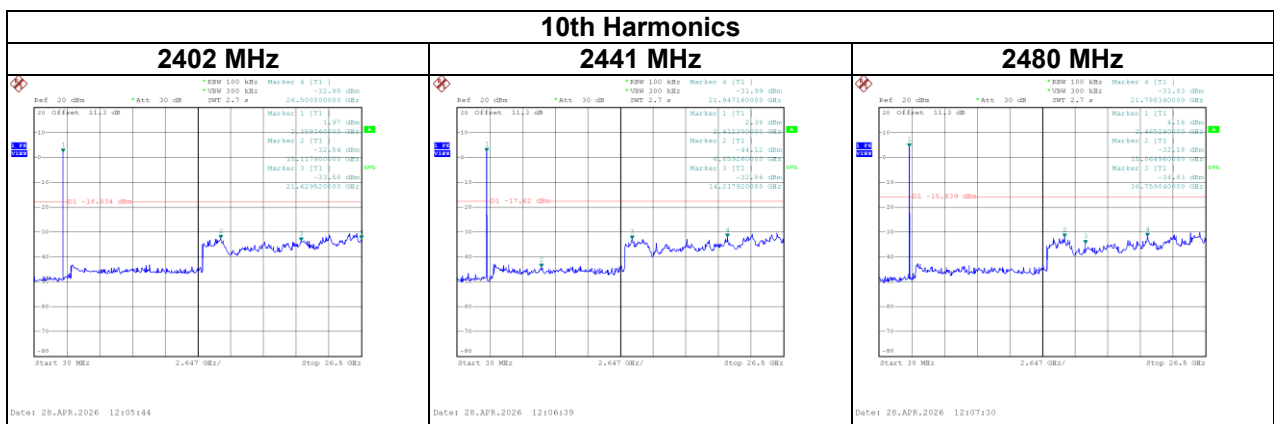


Date: 28.APR.2026 12:05:33

Date: 28.APR.2026 12:07:19



Date: 28.APR.2026 12:23:56



Date: 28.APR.2026 12:05:44

Date: 28.APR.2026 12:06:39

Date: 28.APR.2026 12:07:30

End of Test Report