

FCC Radio Test Report

FCC ID: X4GS06009

Report No. : BTL-FCCP-3-2509H007
Equipment : Outdoor LTE wireless camera
Model Name : AX1054
Brand Name : Axon
Applicant : Axon Enterprise, Inc
Address : 17800 N. 85th Street, Scottsdale, Arizona 85255, USA

Radio Function : WLAN 2.4 GHz

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

Date of Receipt : 2025/9/11
Date of Test : 2025/10/2 ~ 2025/12/2
Issued Date : 2025/12/9

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-3-2509H007	R00	Original Report.	2025/12/4	Invalid
BTL-FCCP-3-2509H007	R01	This report reavised as follow: 1. Revised the scope number in page7. 2. Updated the data in page49~72. It is a revision of the report BTL-FCCP-3-2509H007 R00. This is a newly released report. replacing the BTL-FCCP-3-2509H007 R00 report.	2025/12/9	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)	Bandwidth	APPENDIX E	Pass	-----
15.247(b)	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)

☐ CB12 ☒ 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	Method	Measurement Frequency Range	U (dB)
SR05	CISPR	150 kHz ~ 30 MHz	3.44

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, 52 %	AC 120V	Ken Lan
Radiated emissions below 1 GHz	Refer to data	AC 120V	Mark Wang
Radiated emissions above 1 GHz	Refer to data	AC 120V	Mark Wang
Bandwidth	24.6 °C, 55 %	AC 120V	Ken Lan
Output Power	24.6 °C, 55 %	AC 120V	Ken Lan
Power Spectral Density	24.6 °C, 55 %	AC 120V	Ken Lan
Antenna conducted Spurious Emission	24.6 °C, 55 %	AC 120V	Ken Lan

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

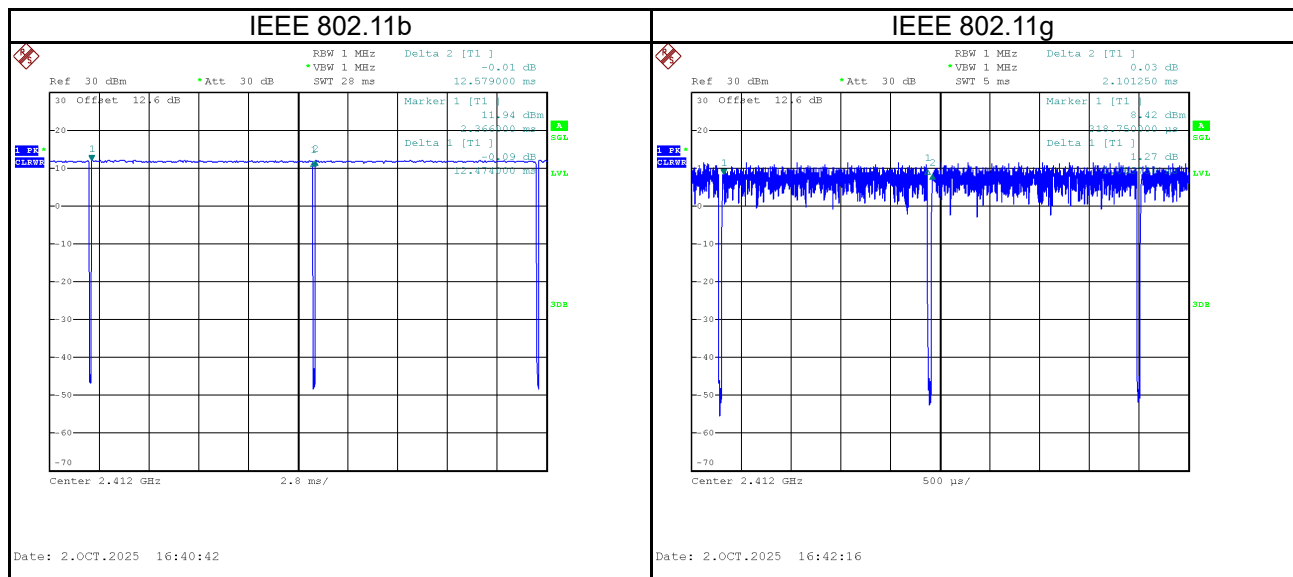
Test Software	QRCT 4.0 Version 4.0.211.0			
Mode	2412 MHz	2437 MHz	2462 MHz	Data Rate
IEEE 802.11b	19	19	19	1 Mbps
IEEE 802.11g	18	18	17	6 Mbps
IEEE 802.11n (HT20)	18	18	17	MCS 0
IEEE 802.11n (HT40)	14.5	14.5	14.5	MCS 0

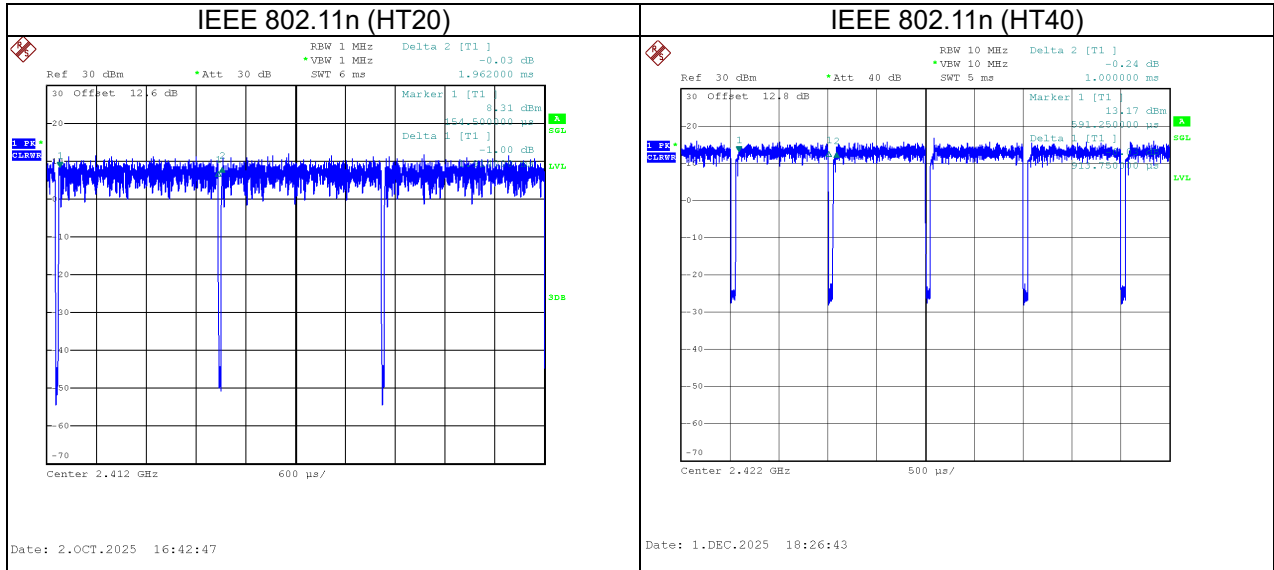
1.5 DUTY CYCLE

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)
IEEE 802.11b	12.47	1	12.47	12.58	99.17%	0.04
IEEE 802.11g	2.05	1	2.05	2.10	97.76%	0.10
IEEE 802.11n (HT20)	1.91	1	1.91	1.96	97.55%	0.11
IEEE 802.11n (HT40)	0.91	1	0.91	1.00	91.00%	0.41





2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Outdoor LTE wireless camera
Model Name	AX1054
Brand Name	Axon
Model Difference	N/A
Power Source	DC voltage supplied from AC adapter and DC power source, Internal rechargeable Li-ion battery
Power Rating	DC voltage: 12~24VDC, Battery: 3.6V, 11200mAh, 40.32Wh
Products Covered	N/A
HW	DVT
FW	v0.2541.26
WWAN Module	Quectel / EG065K-NA (Version: 01.01.NA.01.08)
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Transfer Rate	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps
Output Power Max.	IEEE 802.11b: 20.43 dBm (0.1104 W) IEEE 802.11g: 21.30 dBm (0.1349 W) IEEE 802.11n (HT20): 21.22 dBm (0.1324 W) IEEE 802.11n (HT40): 20.11 dBm (0.1026 W)
Test Model	AX1054
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)
01	2412	06	2437	11	2462
02	2417	07	2442		
03	2422	08	2447		
04	2427	09	2452		
05	2432	10	2457		

(3) Table for Filed Antenna:

Antenna	Brand	Model	Antenna Type	Connector	Gain (dBi)
1	TDK	ANT162442DT-2001AM2	Chip	N/A	4.2

(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)	TX Mode_ IEEE 802.11g	11	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_ IEEE 802.11b	01/11	Bandedge
	TX Mode_ IEEE 802.11g		
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11n (HT40)	03/09	
Transmitter Radiated Emissions (above 1GHz)	TX Mode_ IEEE 802.11b	01/06/11	Harmonic
	TX Mode_ IEEE 802.11g		
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11n (HT40)	03/06/09	
Transmitter Radiated Emissions (above 18GHz)	TX Mode_ IEEE 802.11g	11	-
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	TX Mode_ IEEE 802.11b	01/06/11	-
	TX Mode_ IEEE 802.11g		
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11n (HT40)	03/06/09	

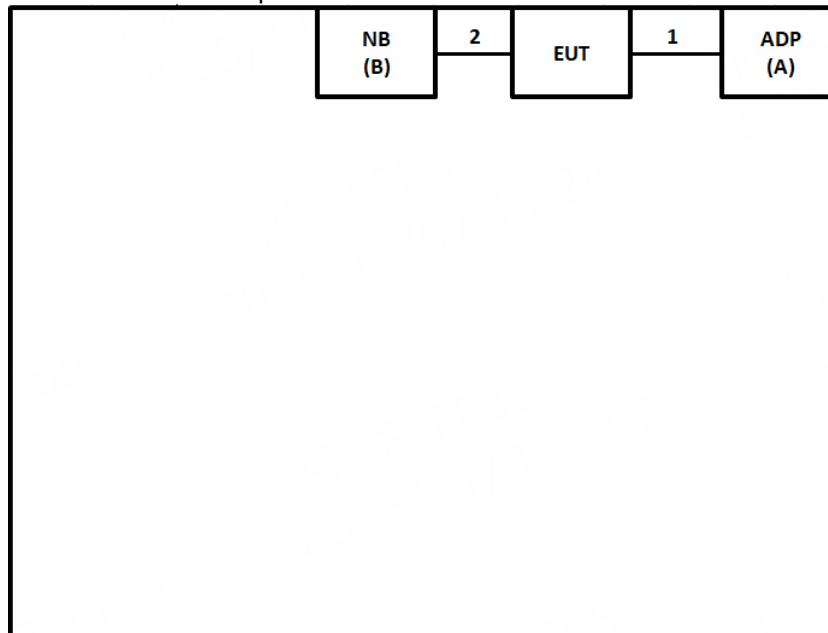
NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
- (3) For radiated emission below 1 GHz test and Harmonic 18-26.5GHz test, only tested the worst case and recorded.

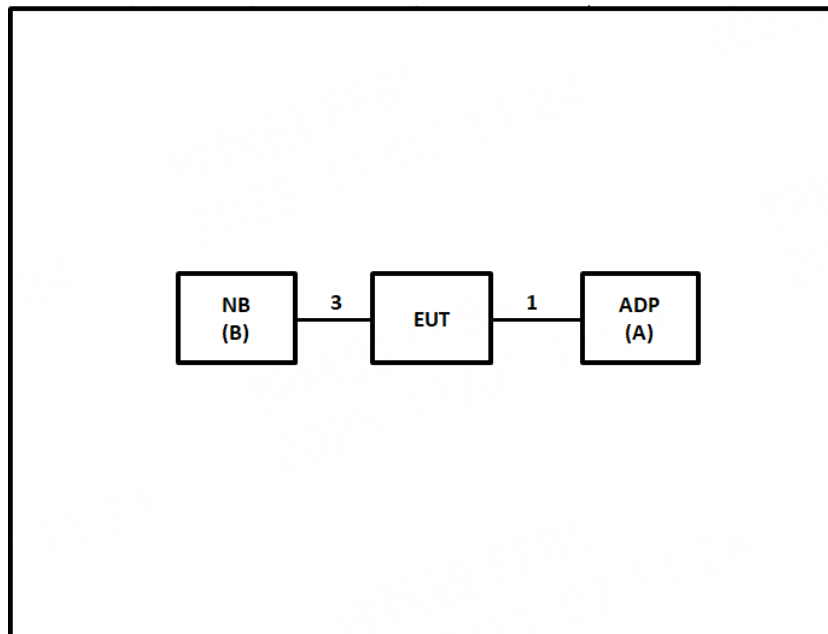
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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	ADP	N/A	N/A	N/A	Supplied by test requester
B	NB	N/A	N/A	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	4.1m	Power Cord Cable	Supplied by test requester
2	N/A	N/A	1m	USB to Type-c Cable	Supplied by test requester
3	N/A	N/A	1m	Type-c to Type-c Cable	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.

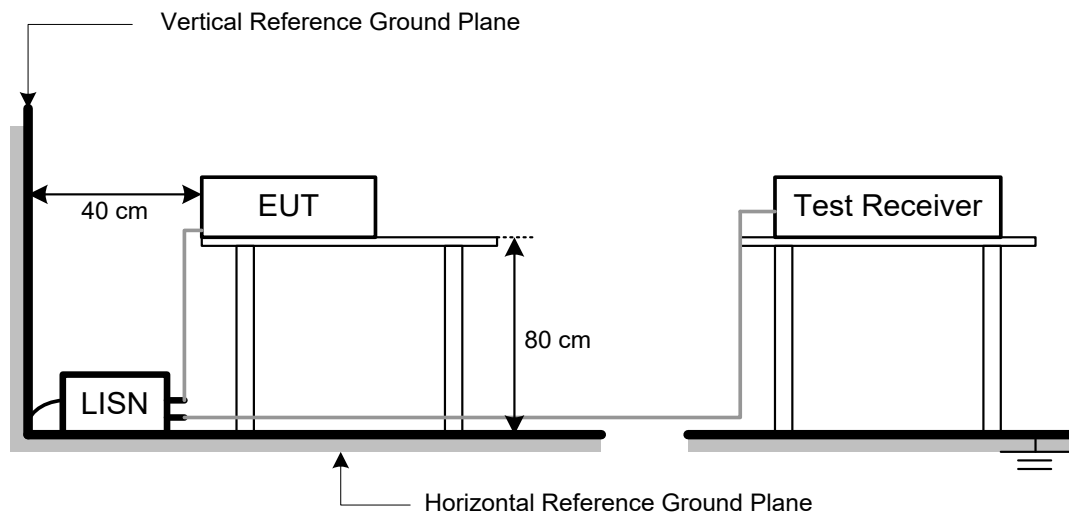
NOTE:

- (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 (dBμV)		Correct Factor (dB/m)		Measurement Value (dBμV/m)
19.11	+	2.11	=	21.22

Measurement Value (dBμV/m)		Limit Value (dBμV/m)		Margin Level (dB)
21.22	-	54	=	-32.78

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

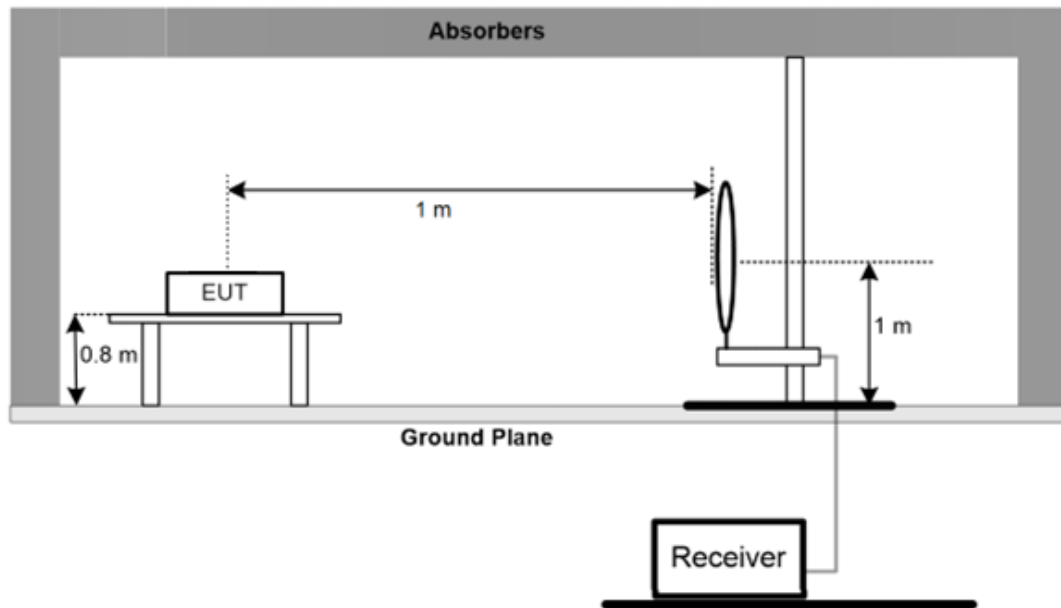
- The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
- The measuring distance 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

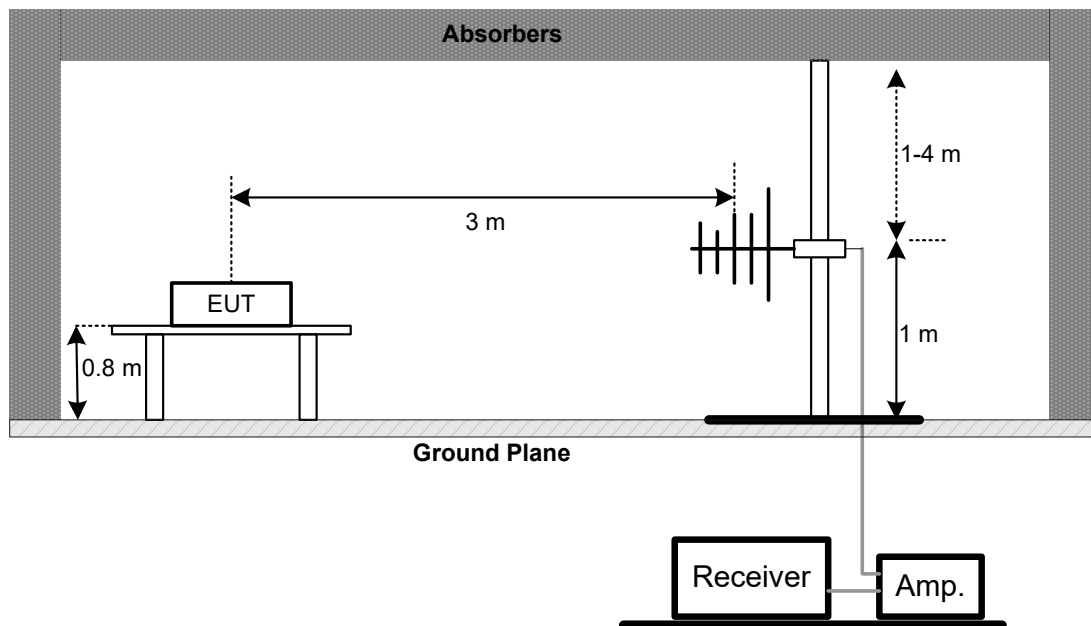
No deviation.

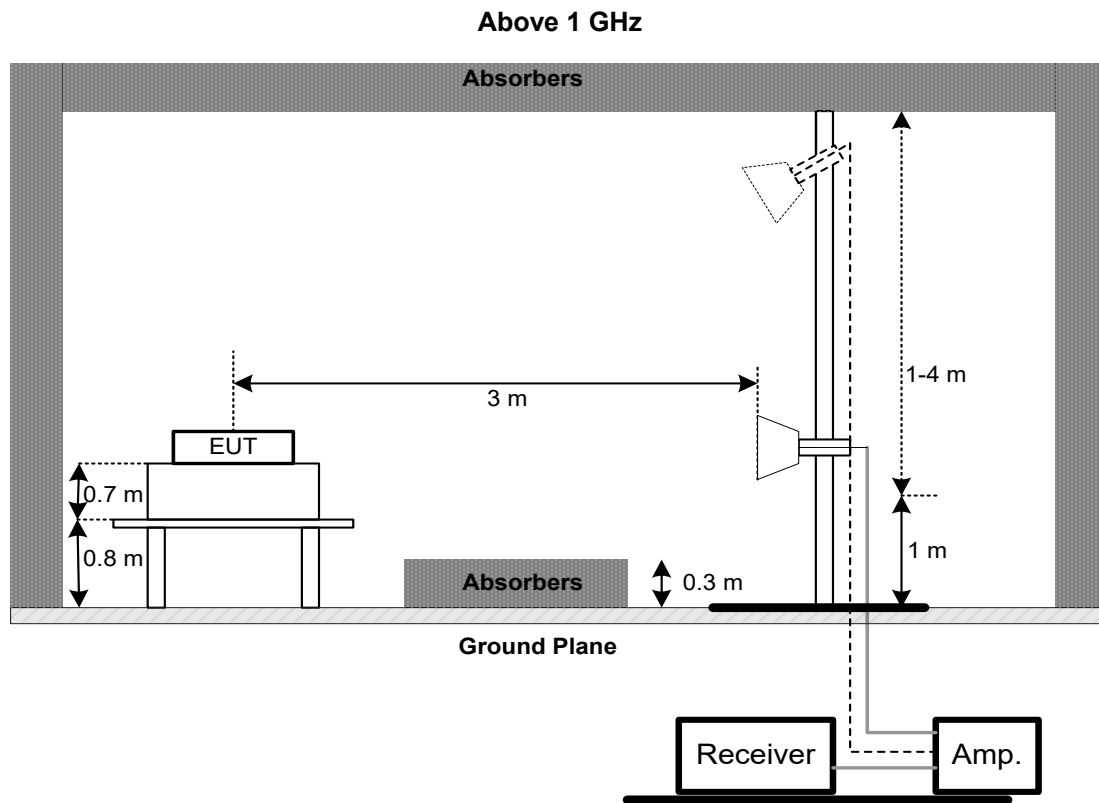
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 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 LIMIT

Section	Test Item	Limit
15.247(a)	6 dB Bandwidth	500 kHz

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 TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX E.

6 OUTPUT POWER TEST

6.1 LIMIT

Section	Test Item	Limit
15.247(b)	Maximum Output Power	1 Watt or 30dBm

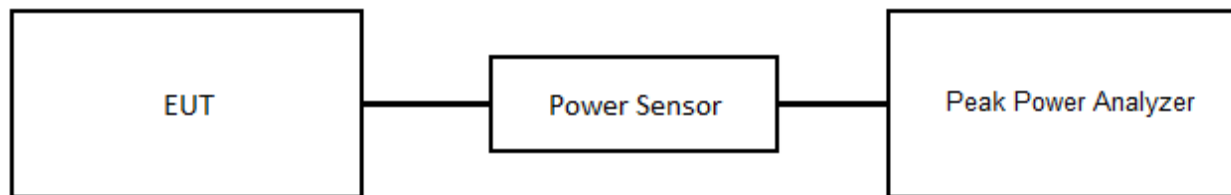
6.2 TEST PROCEDURE

- The EUT was directly connected to the Peak Power Analyzer 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.
- Subclause 11.9.1.1 of ANSI C63.10 is applied. The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

6.3 DEVIATION FROM TEST STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULT

Please refer to the APPENDIX F.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

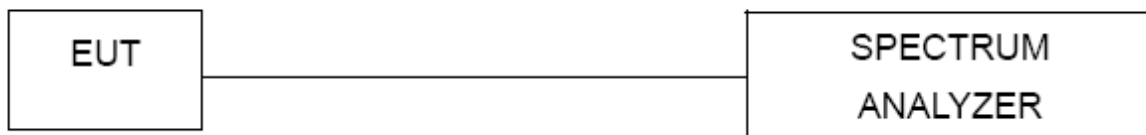
7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM TEST STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Please refer to the APPENDIX G.

8 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

8.1 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 = 100 kHz, VBW=300 kHz, Sweep time = Auto.
- Offset = antenna gain + cable loss.

8.3 DEVIATION FROM TEST STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULT

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	EMC105-SM-SM-8000	220422	2025/10/15	2026/10/14
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	Peak Power Analyzer	Keysight	8990B	MY51000517	2025/3/16	2026/3/15
2	Power Sensor	Keysight	N1923A	MY58310005	2025/3/18	2026/3/17

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

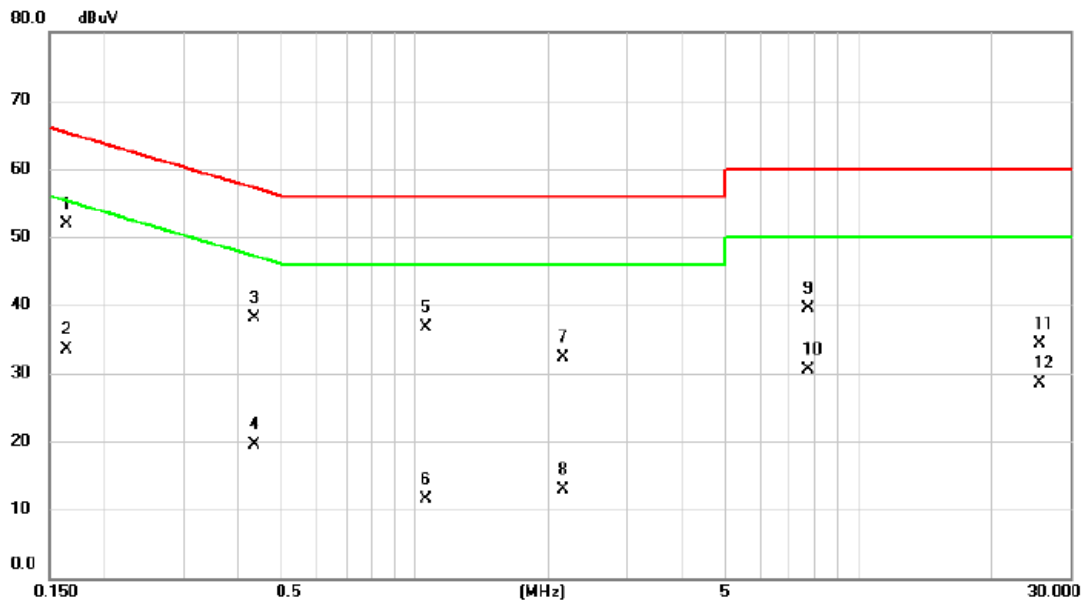
Please refer to document Appendix No.: TP-2509H007-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2509H007-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Test Date	2025/10/2
Test Frequency	-	Phase	Line

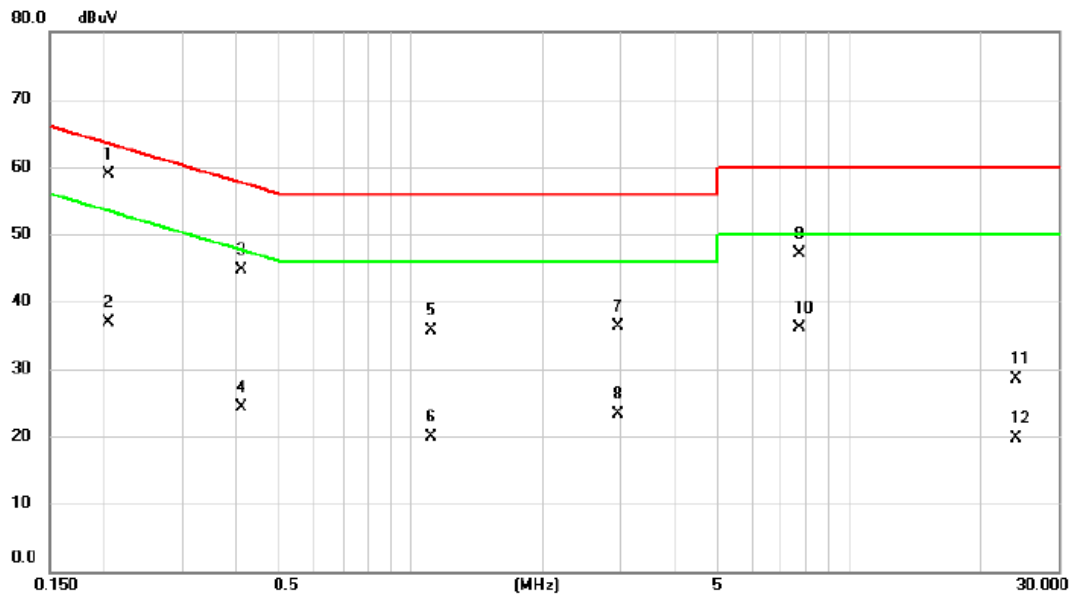


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1635	42.24	9.58	51.82	65.28	-13.46	QP	
2		0.1635	23.96	9.58	33.54	55.28	-21.74	AVG	
3		0.4357	28.52	9.54	38.06	57.14	-19.08	QP	
4		0.4357	10.06	9.54	19.60	47.14	-27.54	AVG	
5		1.0567	27.19	9.57	36.76	56.00	-19.24	QP	
6		1.0567	1.94	9.57	11.51	46.00	-34.49	AVG	
7		2.1614	22.65	9.61	32.26	56.00	-23.74	QP	
8		2.1614	3.30	9.61	12.91	46.00	-33.09	AVG	
9		7.7122	29.78	9.82	39.60	60.00	-20.40	QP	
10		7.7122	20.67	9.82	30.49	50.00	-19.51	AVG	
11		25.5255	24.32	9.90	34.22	60.00	-25.78	QP	
12		25.5255	18.66	9.90	28.56	50.00	-21.44	AVG	

REMARKS:

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

Test Mode	Normal	Test Date	2025/10/2
Test Frequency	-	Phase	Neutral

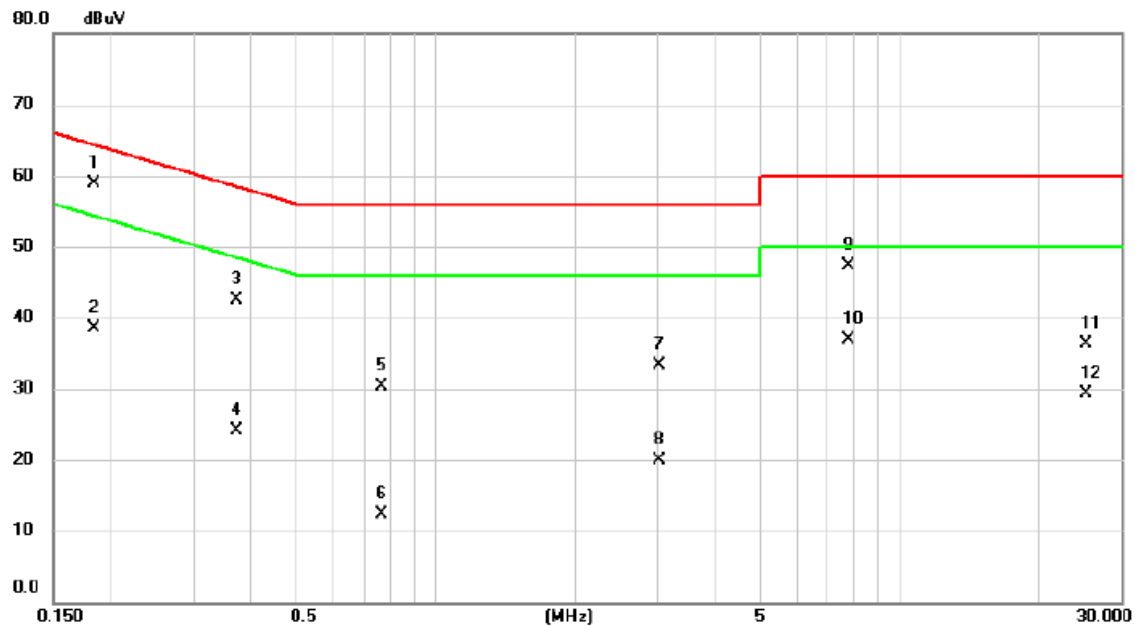


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.2040	49.30	9.53	58.83	63.45	-4.62	QP	
2		0.2040	27.44	9.53	36.97	53.45	-16.48	AVG	
3		0.4110	35.23	9.51	44.74	57.63	-12.89	QP	
4		0.4110	14.72	9.51	24.23	47.63	-23.40	AVG	
5		1.1107	26.18	9.55	35.73	56.00	-20.27	QP	
6		1.1107	10.27	9.55	19.82	46.00	-26.18	AVG	
7		2.9738	26.73	9.63	36.36	56.00	-19.64	QP	
8		2.9738	13.74	9.63	23.37	46.00	-22.63	AVG	
9		7.7168	37.41	9.78	47.19	60.00	-12.81	QP	
10		7.7168	26.32	9.78	36.10	50.00	-13.90	AVG	
11		24.0810	18.61	9.98	28.59	60.00	-31.41	QP	
12		24.0810	9.82	9.98	19.80	50.00	-30.20	AVG	

REMARKS:

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

Test Mode	Idle	Test Date	2025/10/2
Test Frequency	-	Phase	Line

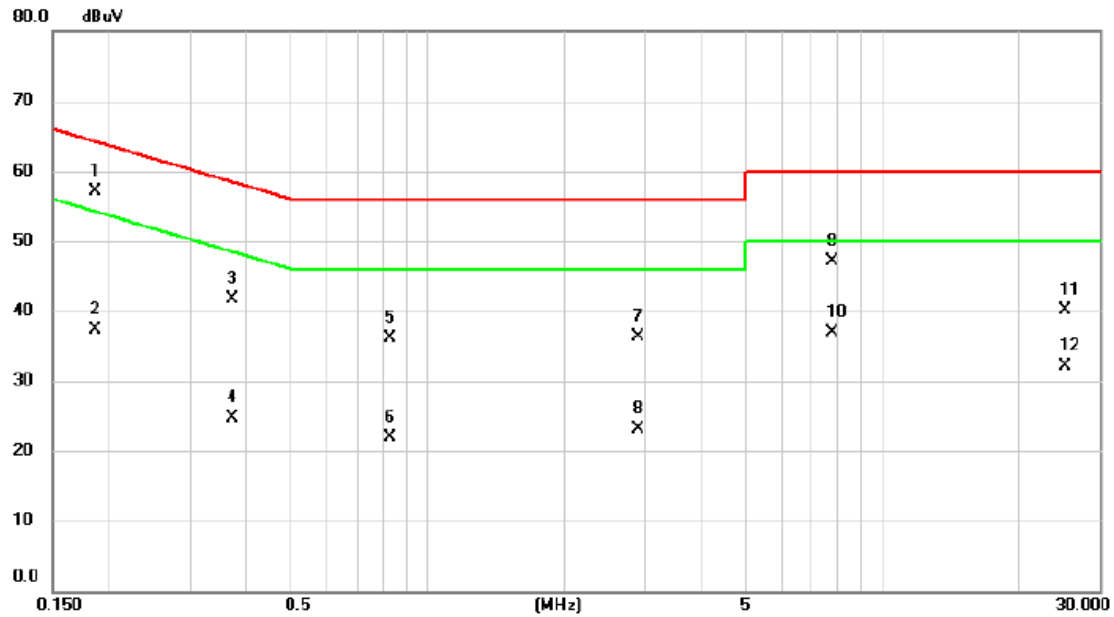


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1838	49.30	9.57	58.87	64.31	-5.44	QP	
2		0.1838	28.86	9.57	38.43	54.31	-15.88	AVG	
3		0.3727	32.97	9.53	42.50	58.44	-15.94	QP	
4		0.3727	14.65	9.53	24.18	48.44	-24.26	AVG	
5		0.7620	20.65	9.56	30.21	56.00	-25.79	QP	
6		0.7620	2.68	9.56	12.24	46.00	-33.76	AVG	
7		3.0390	23.56	9.66	33.22	56.00	-22.78	QP	
8		3.0390	10.21	9.66	19.87	46.00	-26.13	AVG	
9		7.7550	37.48	9.82	47.30	60.00	-12.70	QP	
10		7.7550	27.10	9.82	36.92	50.00	-13.08	AVG	
11		25.2038	26.43	9.90	36.33	60.00	-23.67	QP	
12		25.2038	19.44	9.90	29.34	50.00	-20.66	AVG	

REMARKS:

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

Test Mode	Idle	Test Date	2025/10/2
Test Frequency	-	Phase	Neutral



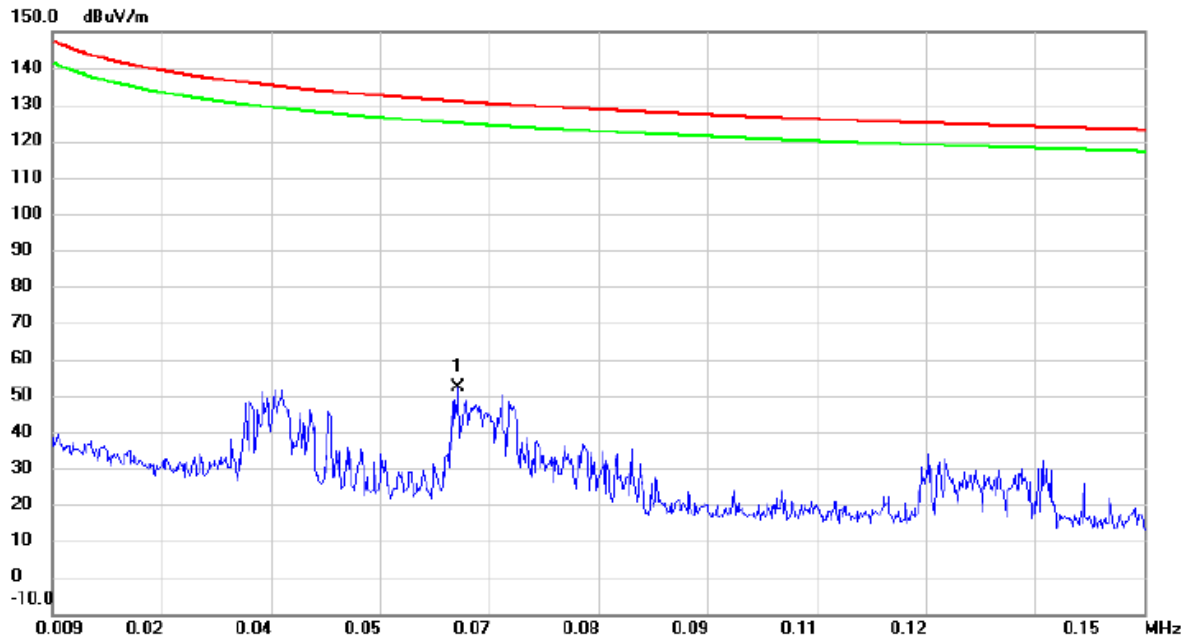
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1860	47.59	9.52	57.11	64.21	-7.10	QP	
2		0.1860	27.86	9.52	37.38	54.21	-16.83	AVG	
3		0.3727	32.17	9.50	41.67	58.44	-16.77	QP	
4		0.3727	15.19	9.50	24.69	48.44	-23.75	AVG	
5		0.8250	26.61	9.54	36.15	56.00	-19.85	QP	
6		0.8250	12.39	9.54	21.93	46.00	-24.07	AVG	
7		2.9063	26.62	9.63	36.25	56.00	-19.75	QP	
8		2.9063	13.46	9.63	23.09	46.00	-22.91	AVG	
9		7.7528	37.26	9.78	47.04	60.00	-12.96	QP	
10		7.7528	27.11	9.78	36.89	50.00	-13.11	AVG	
11		25.1903	30.14	9.97	40.11	60.00	-19.89	QP	
12		25.1903	22.12	9.97	32.09	50.00	-17.91	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	IEEE 802.11g	Test Date	2025/11/5
Test Frequency	2462MHz	Polarization	Vertical
Temp	24°C	Hum.	57%

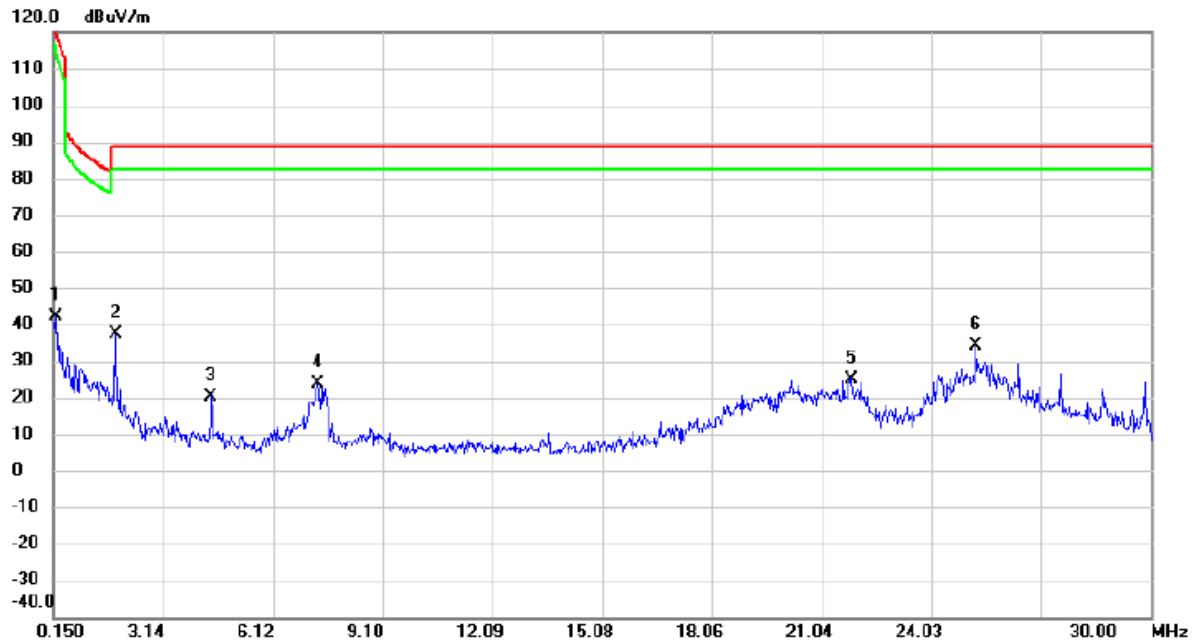


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	0.0613	29.27	22.89	52.16	130.94	-78.78	AVG

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/11/5
Test Frequency	2462MHz	Polarization	Vertical
Temp	24°C	Hum.	57%

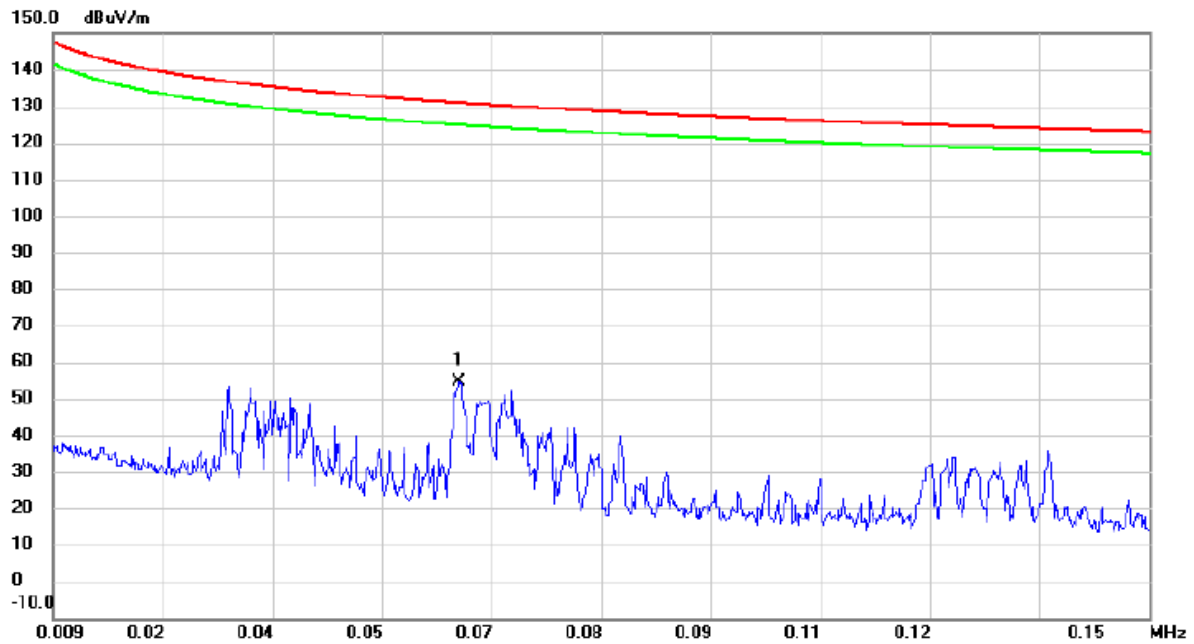


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1998	29.84	12.50	42.34	120.67	-78.33	AVG	
2	*	1.8415	38.32	-1.06	37.26	88.62	-51.36	QP	
3		4.4424	23.97	-3.57	20.40	88.62	-68.22	QP	
4		7.3448	27.11	-3.13	23.98	88.62	-64.64	QP	
5		21.8570	28.38	-3.23	25.15	88.62	-63.47	QP	
6		25.2608	37.01	-2.80	34.21	88.62	-54.41	QP	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/11/5
Test Frequency	2462MHz	Polarization	Horizontal
Temp	24°C	Hum.	57%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	0.0612	31.68	22.91	54.59	130.95	-76.36	AVG

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/11/5
Test Frequency	2462MHz	Polarization	Horizontal
Temp	24°C	Hum.	57%



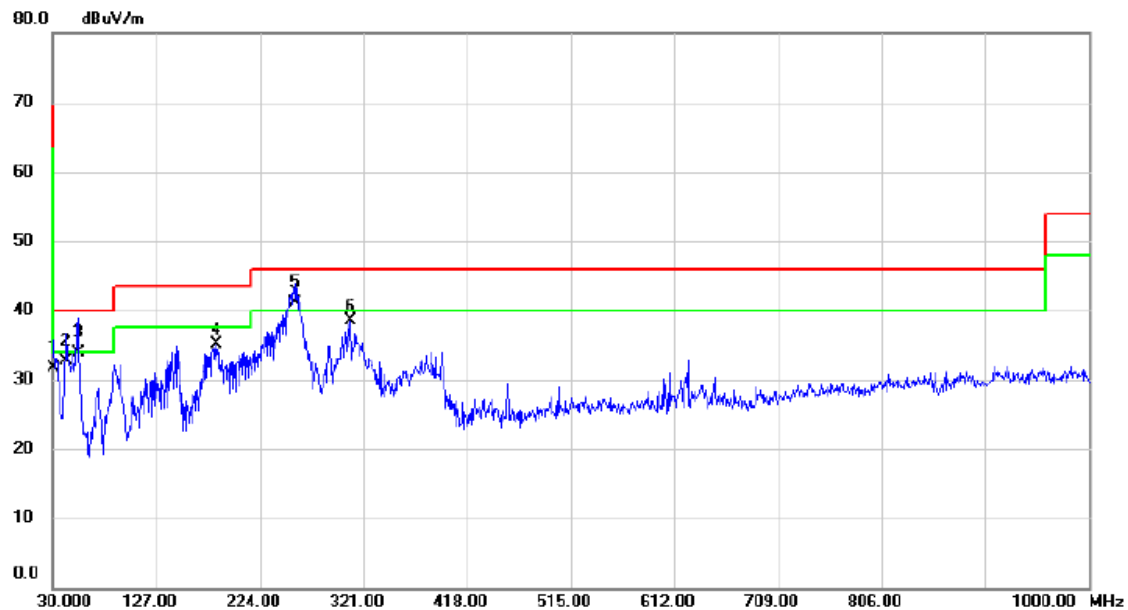
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.1987	33.21	12.55	45.76	120.72	-74.96	AVG	
2	*	1.8444	29.54	-1.07	28.47	88.62	-60.15	QP	
3		7.2423	21.52	-3.16	18.36	88.62	-70.26	QP	
4		8.9796	13.07	-2.76	10.31	88.62	-78.31	QP	
5		20.5295	24.46	-3.39	21.07	88.62	-67.55	QP	
6		25.2410	30.87	-2.80	28.07	88.62	-60.55	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	IEEE 802.11g	Test Date	2025/10/21
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	51%

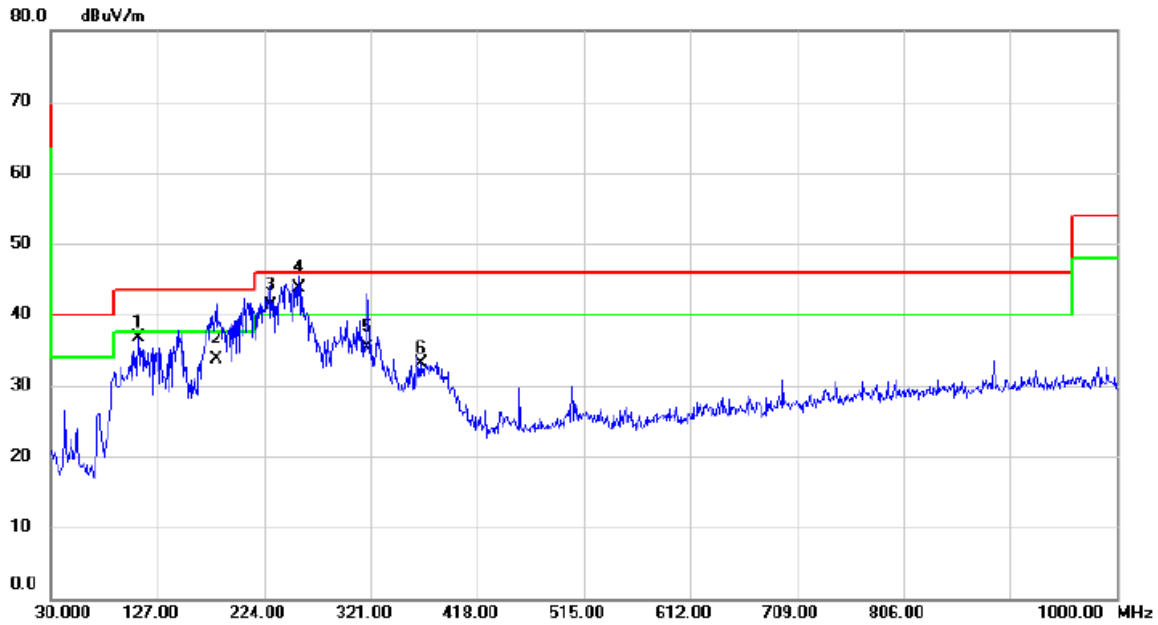


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		30.0000	44.57	-12.89	31.68	40.00	-8.32	QP	
2		42.7070	44.59	-11.83	32.76	40.00	-7.24	QP	
3		53.7003	45.62	-11.71	33.91	40.00	-6.09	QP	
4		182.8720	48.45	-13.40	35.05	43.50	-8.45	peak	
5	*	257.1093	53.70	-12.54	41.16	46.00	-4.84	QP	
6		308.5517	49.14	-10.70	38.44	46.00	-7.56	peak	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/10/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	51%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		108.9580	51.75	-15.00	36.75	43.50	-6.75	peak	
2		180.1883	46.87	-13.09	33.78	43.50	-9.72	QP	
3	!	229.4966	55.54	-14.22	41.32	46.00	-4.68	QP	
4	*	255.5896	56.37	-12.59	43.78	46.00	-2.22	QP	
5		317.5403	45.86	-10.53	35.33	46.00	-10.67	QP	
6		366.3636	42.68	-9.48	33.20	46.00	-12.80	peak	

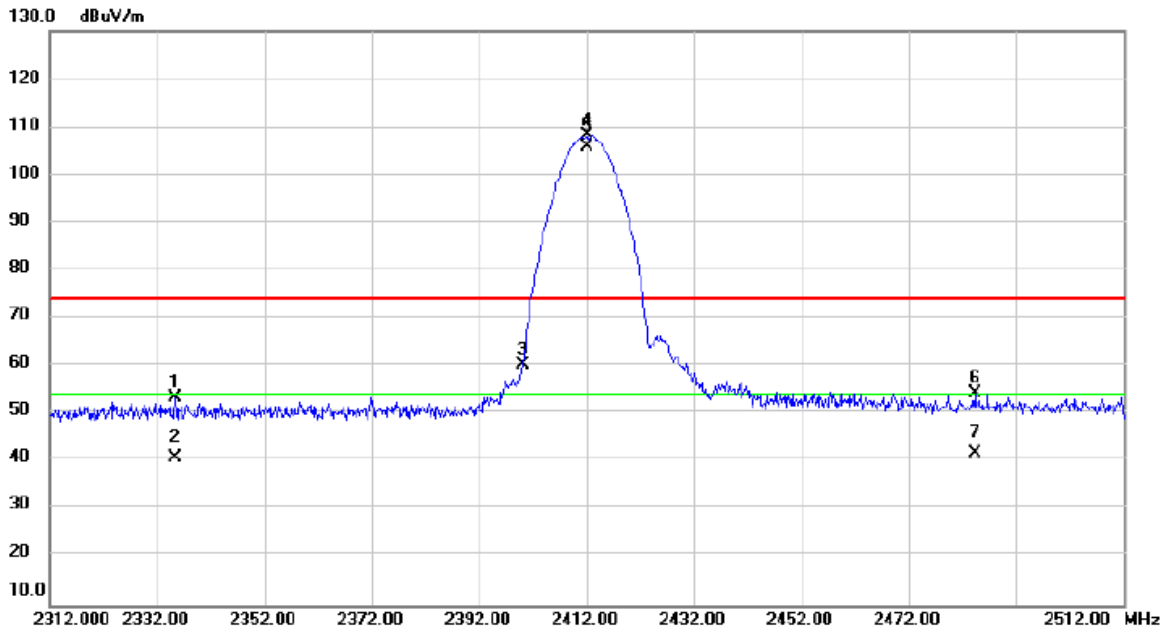
REMARKS:

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

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

APPENDIX D RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	57%



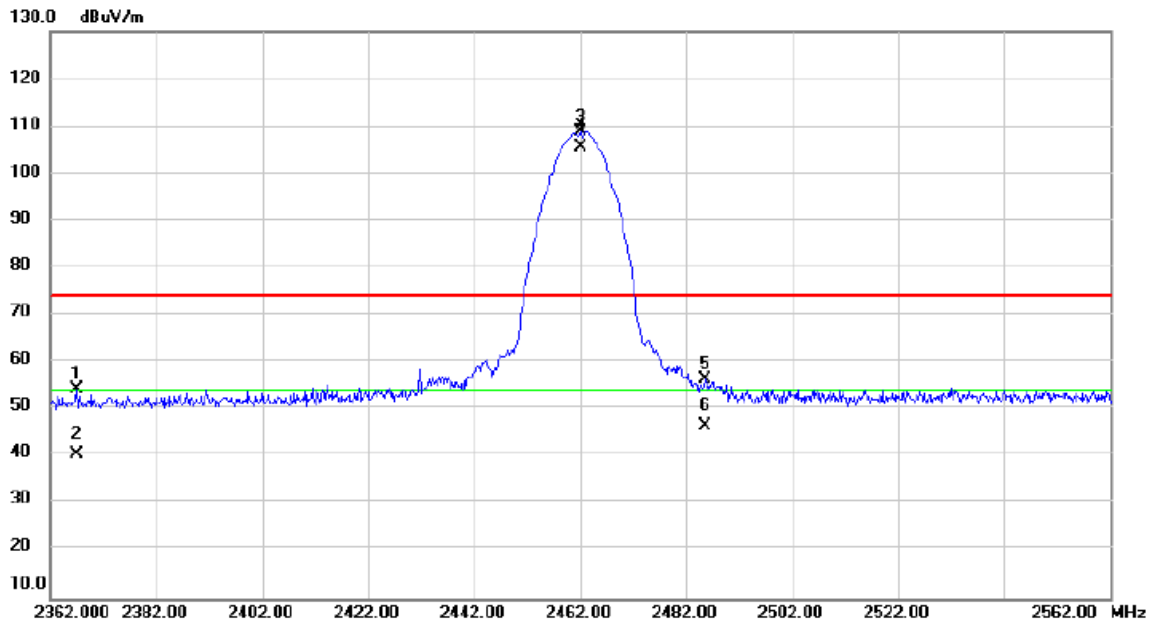
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2335.353	58.91	-5.61	53.30	74.00	-20.70	peak	
2		2335.353	46.23	-5.61	40.62	54.00	-13.38	AVG	
3		2400.000	65.63	-5.33	60.30	74.00	-13.70	peak	No Limit
4	X	2412.000	113.59	-5.29	108.30	74.00	34.30	peak	No Limit
5	*	2412.000	111.11	-5.29	105.82	54.00	51.82	AVG	No Limit
6		2484.353	59.24	-4.97	54.27	74.00	-19.73	peak	
7		2484.353	46.48	-4.97	41.51	54.00	-12.49	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

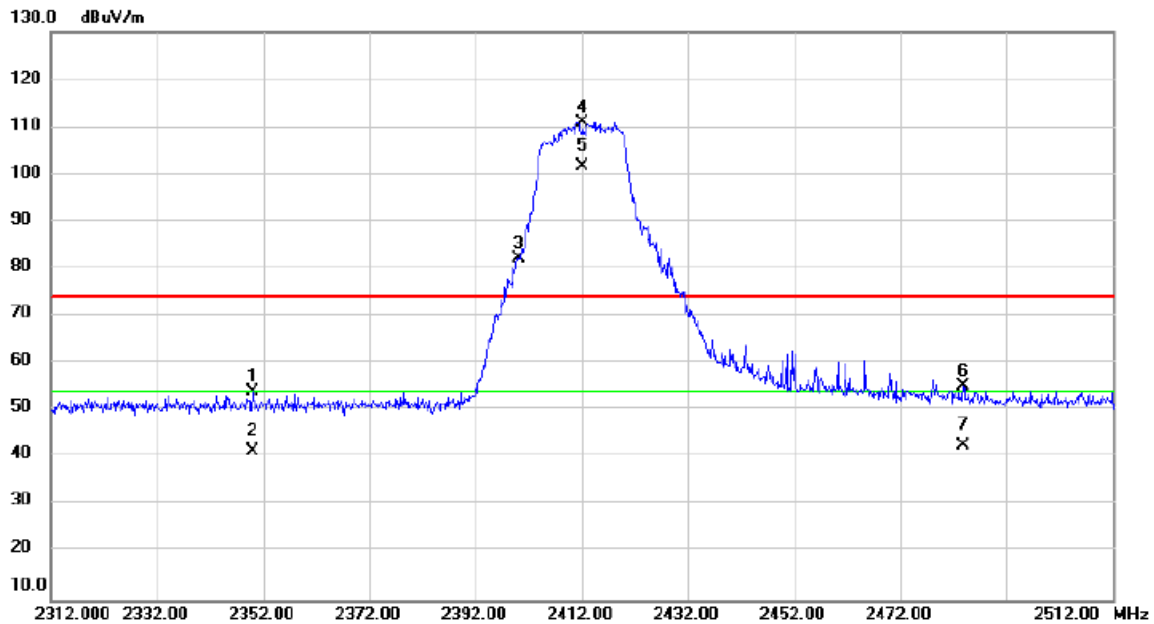


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2366.847	59.81	-5.48	54.33	74.00	-19.67	peak	
2		2366.847	46.03	-5.48	40.55	54.00	-13.45	AVG	
3	X	2462.000	113.90	-5.07	108.83	74.00	34.83	peak	No Limit
4	*	2462.000	110.59	-5.07	105.52	54.00	51.52	AVG	No Limit
5		2485.507	61.34	-4.98	56.36	74.00	-17.64	peak	
6		2485.507	51.43	-4.98	46.45	54.00	-7.55	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

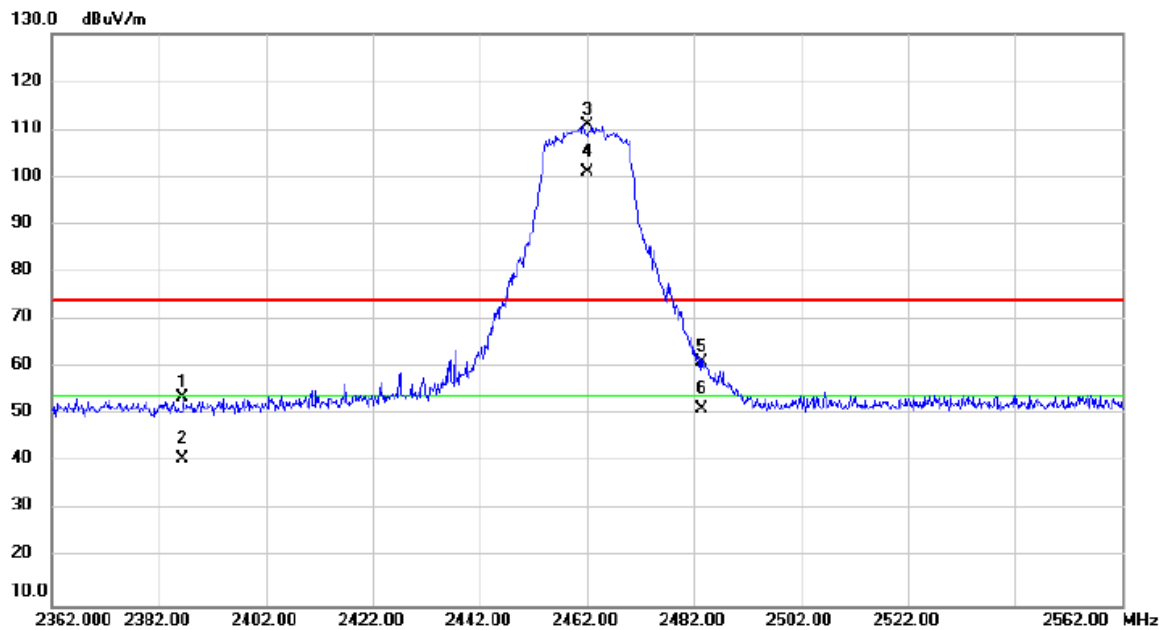


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2349.940	59.40	-5.55	53.85	74.00	-20.15	peak	
2		2349.940	46.83	-5.55	41.28	54.00	-12.72	AVG	
3	X	2400.000	87.58	-5.33	82.25	74.00	8.25	peak	No Limit
4	X	2412.000	116.38	-5.29	111.09	74.00	37.09	peak	No Limit
5	*	2412.000	107.02	-5.29	101.73	54.00	47.73	AVG	No Limit
6		2483.987	60.20	-4.97	55.23	74.00	-18.77	peak	
7		2483.987	47.62	-4.97	42.65	54.00	-11.35	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

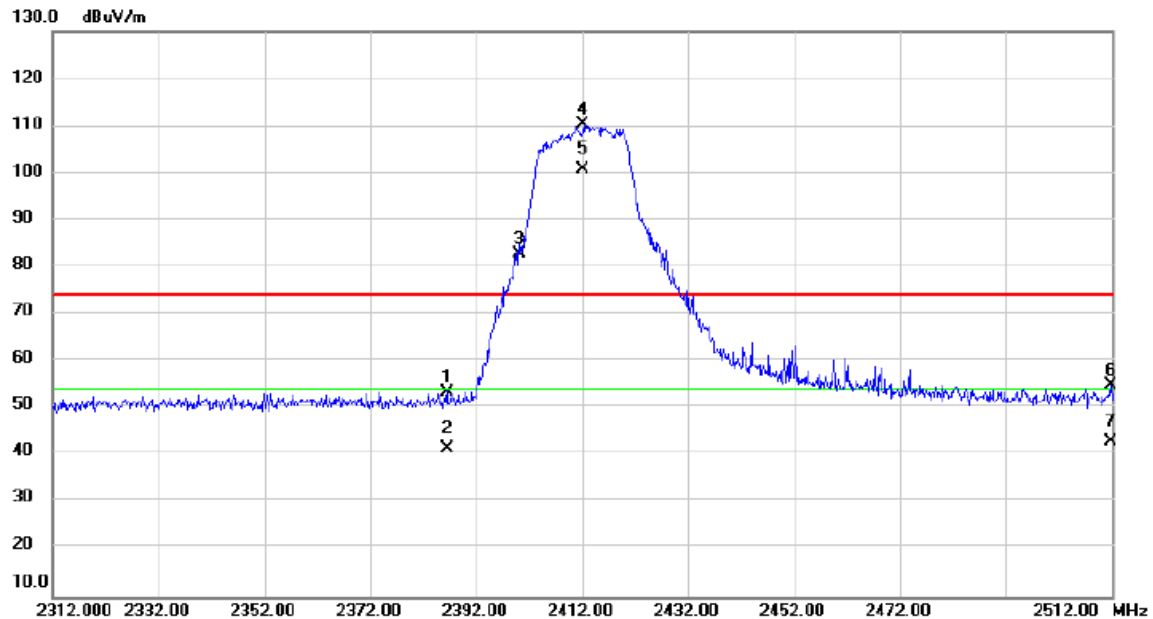


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2386.527	58.94	-5.39	53.55	74.00	-20.45	peak	
2		2386.527	46.17	-5.39	40.78	54.00	-13.22	AVG	
3	X	2462.000	115.88	-5.07	110.81	74.00	36.81	peak	No Limit
4	*	2462.000	106.21	-5.07	101.14	54.00	47.14	AVG	No Limit
5		2483.500	66.04	-4.97	61.07	74.00	-12.93	peak	
6		2483.500	56.29	-4.97	51.32	54.00	-2.68	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

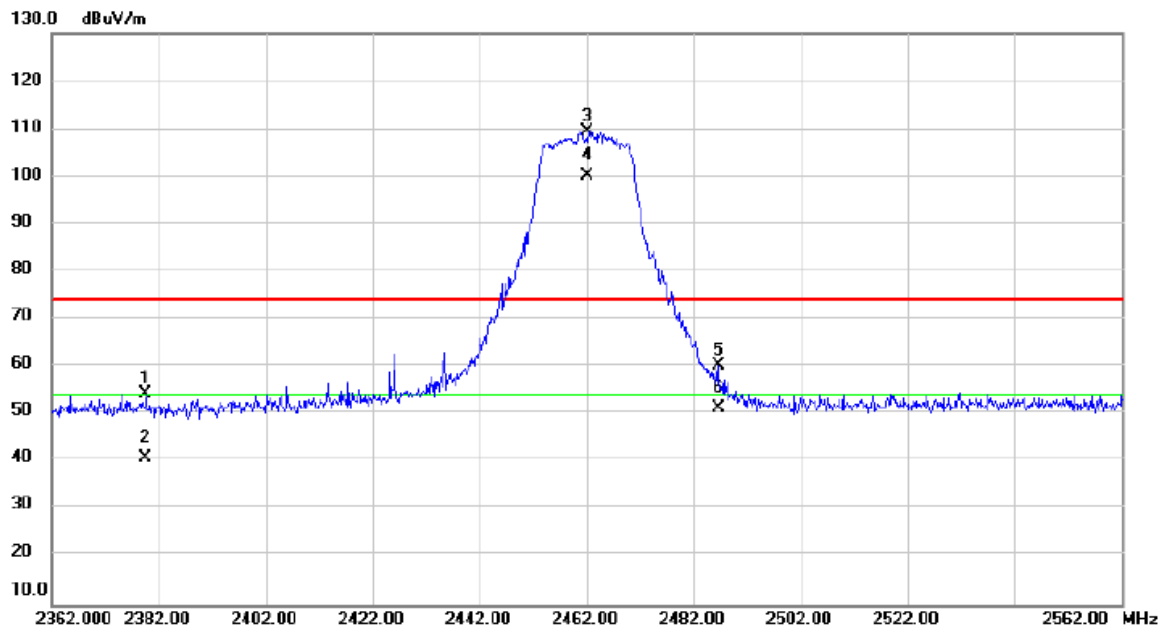


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2386.413	58.89	-5.39	53.50	74.00	-20.50	peak	
2		2386.413	46.71	-5.39	41.32	54.00	-12.68	AVG	
3	X	2400.000	88.09	-5.33	82.76	74.00	8.76	peak	No Limit
4	X	2412.000	115.50	-5.29	110.21	74.00	36.21	peak	No Limit
5	*	2412.000	106.16	-5.29	100.87	54.00	46.87	AVG	No Limit
6		2511.907	59.73	-4.85	54.88	74.00	-19.12	peak	
7		2511.907	47.58	-4.85	42.73	54.00	-11.27	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

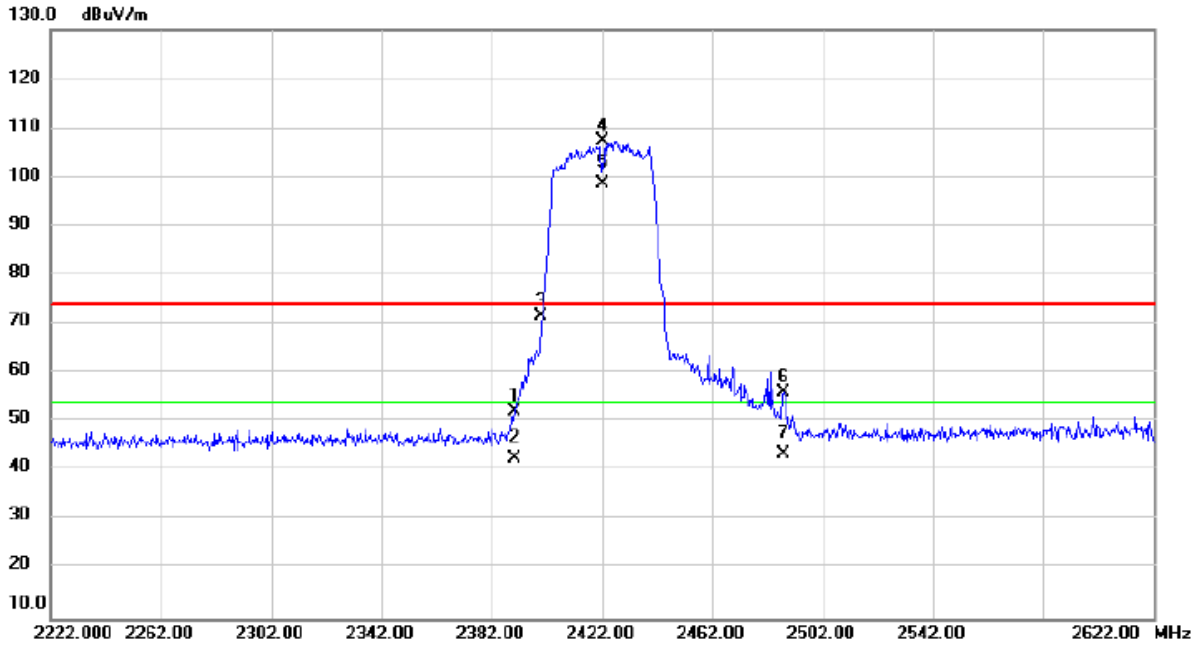


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2379.473	59.81	-5.42	54.39	74.00	-19.61	peak	
2		2379.473	46.18	-5.42	40.76	54.00	-13.24	AVG	
3	X	2462.000	114.56	-5.07	109.49	74.00	35.49	peak	No Limit
4	*	2462.000	105.11	-5.07	100.04	54.00	46.04	AVG	No Limit
5		2486.547	65.34	-4.97	60.37	74.00	-13.63	peak	
6		2486.547	56.15	-4.97	51.18	54.00	-2.82	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2422MHz	Polarization	Vertical
Temp	23°C	Hum.	54%

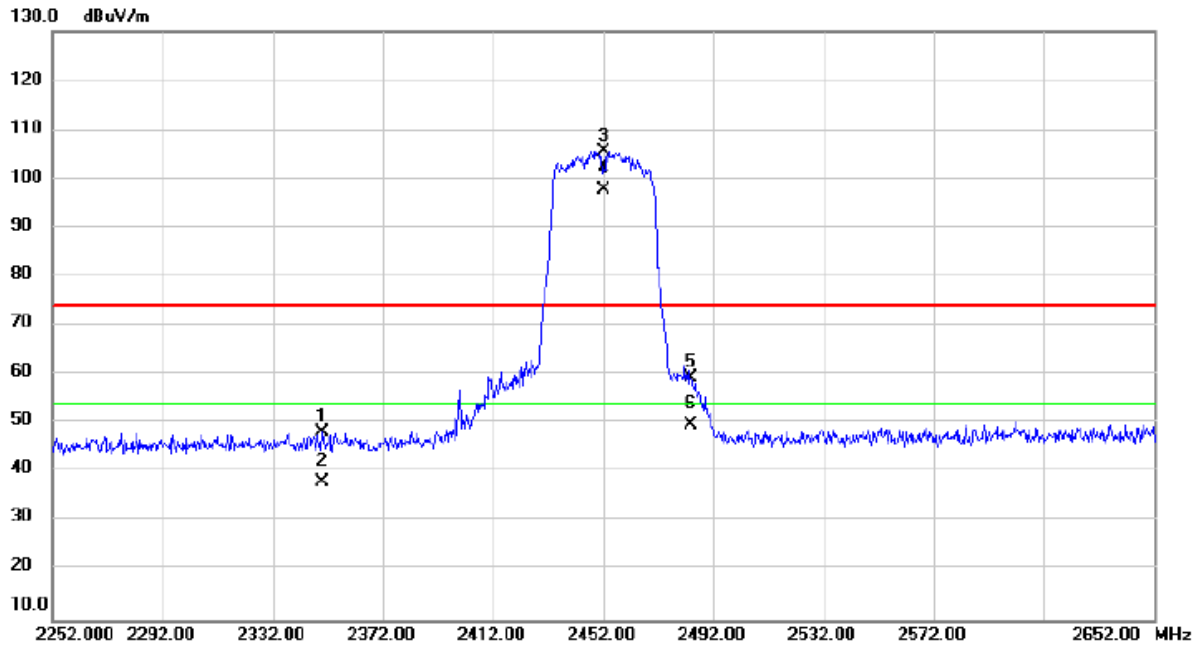


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	57.47	-5.37	52.10	74.00	-21.90	peak	
2		2390.000	47.96	-5.37	42.59	54.00	-11.41	AVG	
3		2400.000	76.88	-5.33	71.55	74.00	-2.45	peak	No Limit
4	X	2422.000	112.48	-5.25	107.23	74.00	33.23	peak	No Limit
5	*	2422.000	103.89	-5.25	98.64	54.00	44.64	AVG	No Limit
6		2487.973	60.87	-4.96	55.91	74.00	-18.09	peak	
7		2487.973	48.33	-4.96	43.37	54.00	-10.63	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2452MHz	Polarization	Vertical
Temp	23°C	Hum.	54%

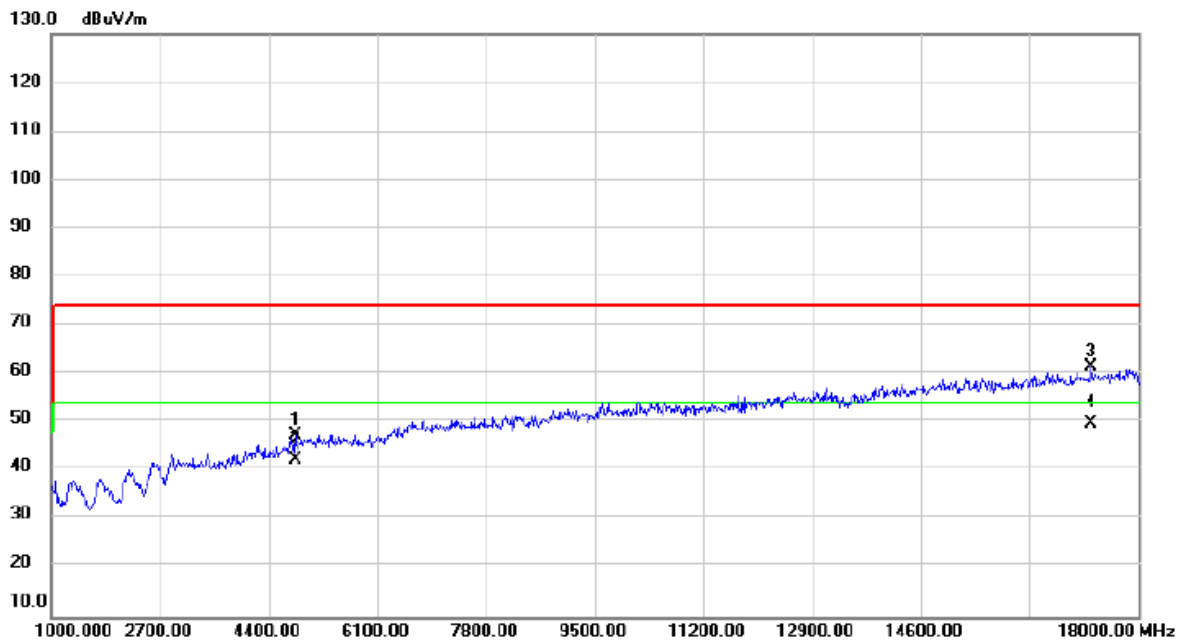


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2349.680	53.85	-5.55	48.30	74.00	-25.70	peak	
2		2349.680	43.66	-5.55	38.11	54.00	-15.89	AVG	
3	X	2452.000	110.77	-5.11	105.66	74.00	31.66	peak	No Limit
4	*	2452.000	102.82	-5.11	97.71	54.00	43.71	AVG	No Limit
5		2483.500	64.24	-4.97	59.27	74.00	-14.73	peak	
6		2483.500	54.69	-4.97	49.72	54.00	-4.28	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

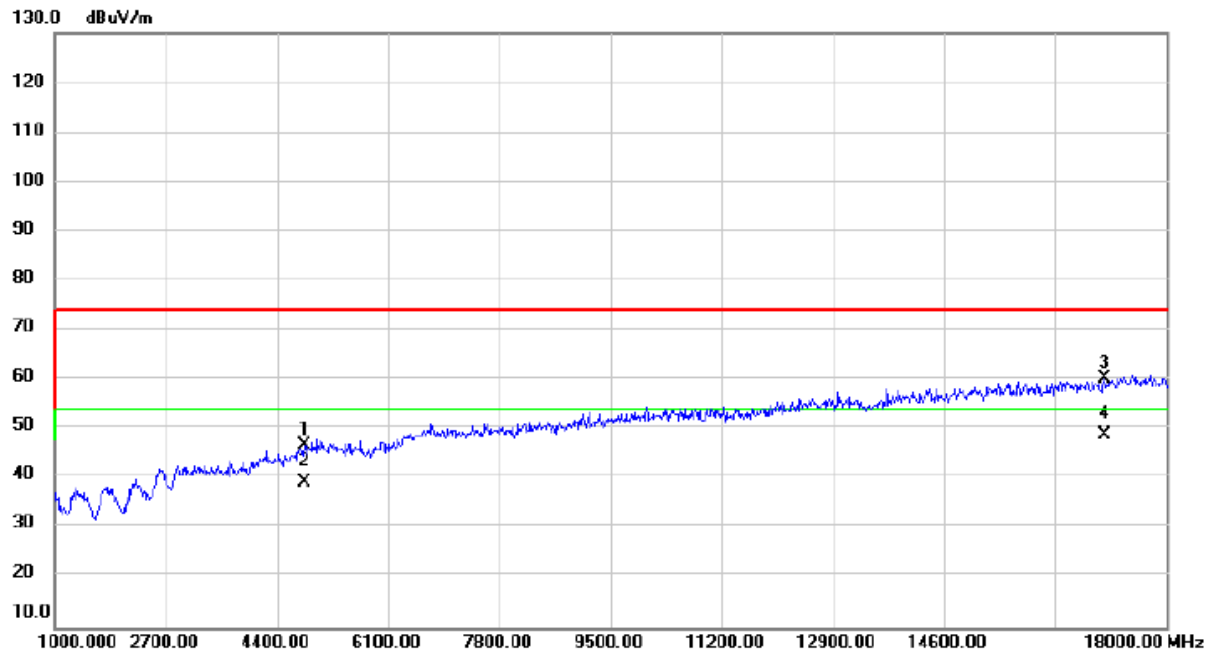


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	45.69	1.68	47.37	74.00	-26.63	peak	
2		4824.000	40.55	1.68	42.23	54.00	-11.77	AVG	
3		17259.36	54.14	7.28	61.42	74.00	-12.58	peak	
4	*	17259.36	42.36	7.28	49.64	54.00	-4.36	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

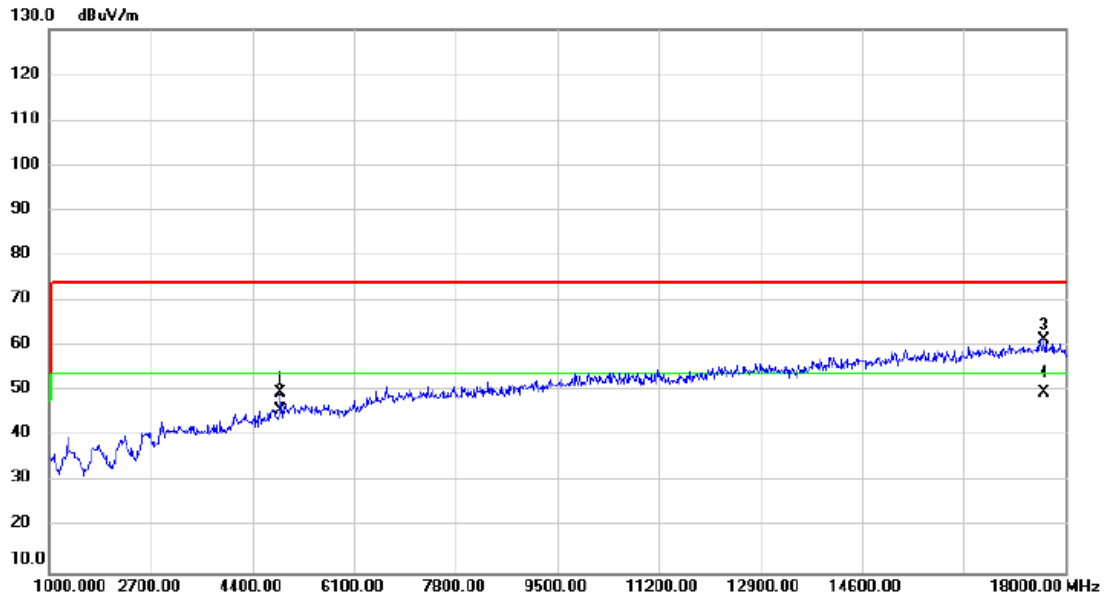


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	45.01	1.68	46.69	74.00	-27.31	peak	
2		4824.000	37.54	1.68	39.22	54.00	-14.78	AVG	
3		17068.40	53.01	7.33	60.34	74.00	-13.66	peak	
4	*	17068.40	41.64	7.33	48.97	54.00	-5.03	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

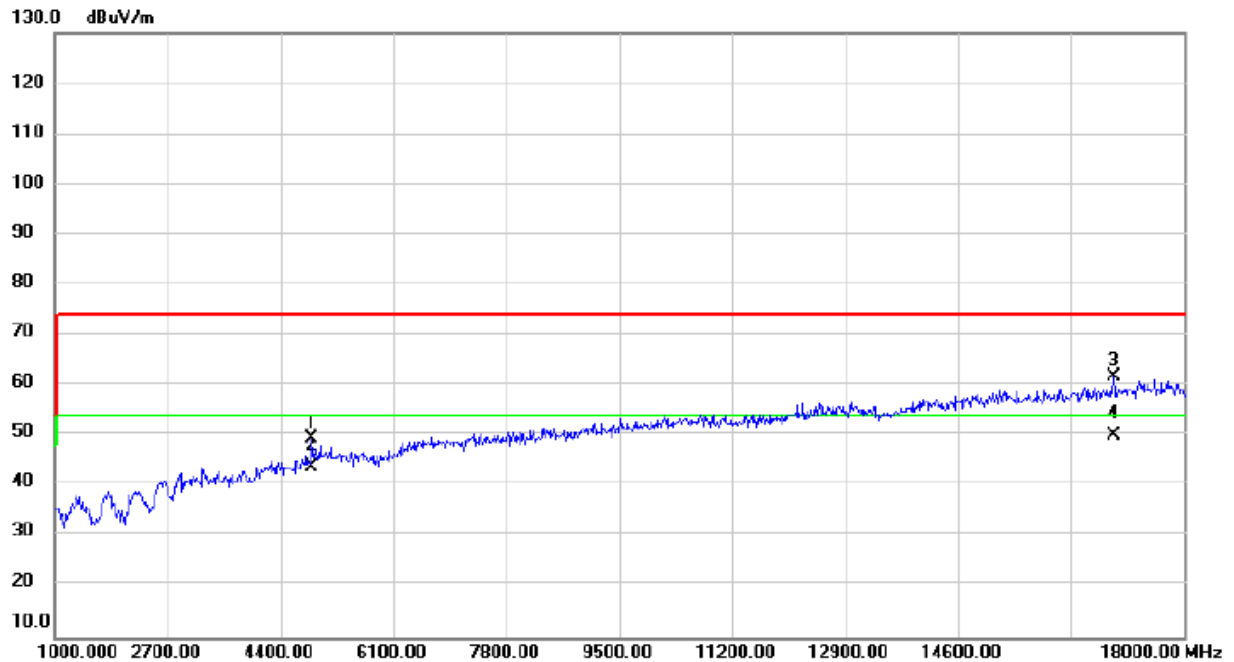


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	47.84	1.88	49.72	74.00	-24.28	peak	
2		4874.000	44.08	1.88	45.96	54.00	-8.04	AVG	
3		17653.76	54.39	7.20	61.59	74.00	-12.41	peak	
4	*	17653.76	42.62	7.20	49.82	54.00	-4.18	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

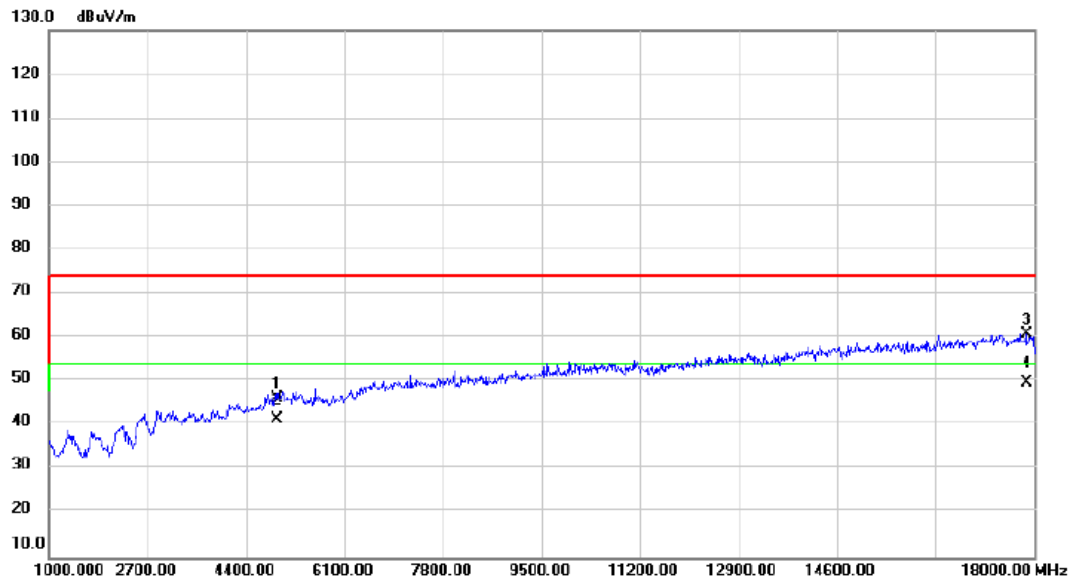


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	47.71	1.88	49.59	74.00	-24.41	peak	
2		4874.000	41.85	1.88	43.73	54.00	-10.27	AVG	
3		16935.23	54.30	7.46	61.76	74.00	-12.24	peak	
4	*	16935.23	42.53	7.46	49.99	54.00	-4.01	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	57%



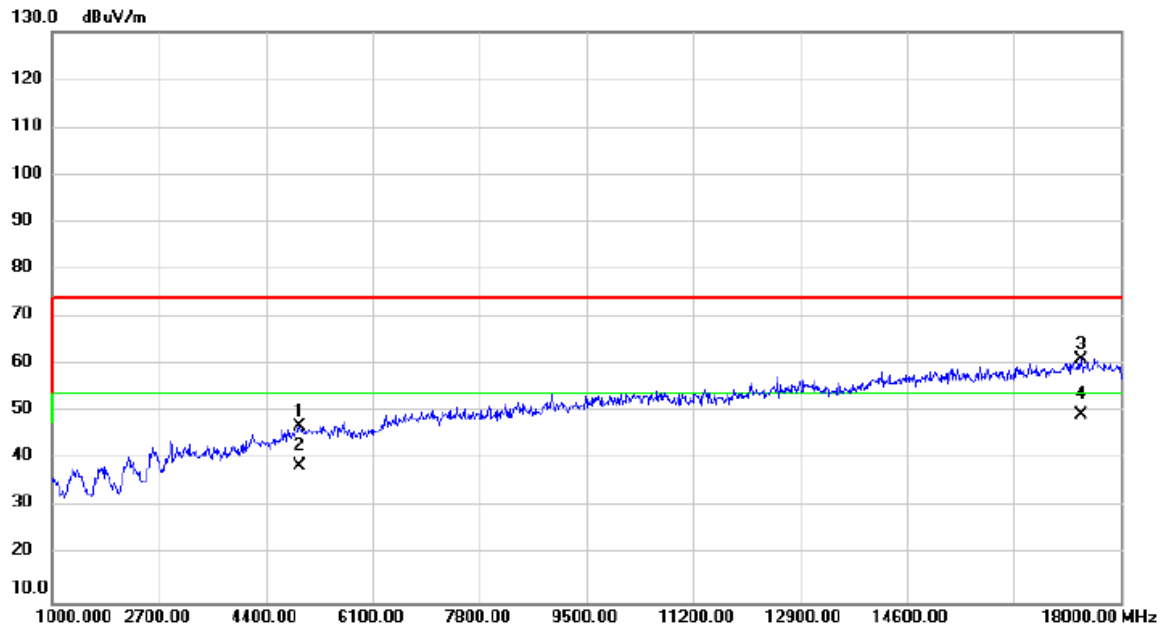
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	44.10	2.08	46.18	74.00	-27.82	peak	
2		4924.000	39.15	2.08	41.23	54.00	-12.77	AVG	
3		17867.96	53.59	7.18	60.77	74.00	-13.23	peak	
4	*	17867.96	42.63	7.18	49.81	54.00	-4.19	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11b	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

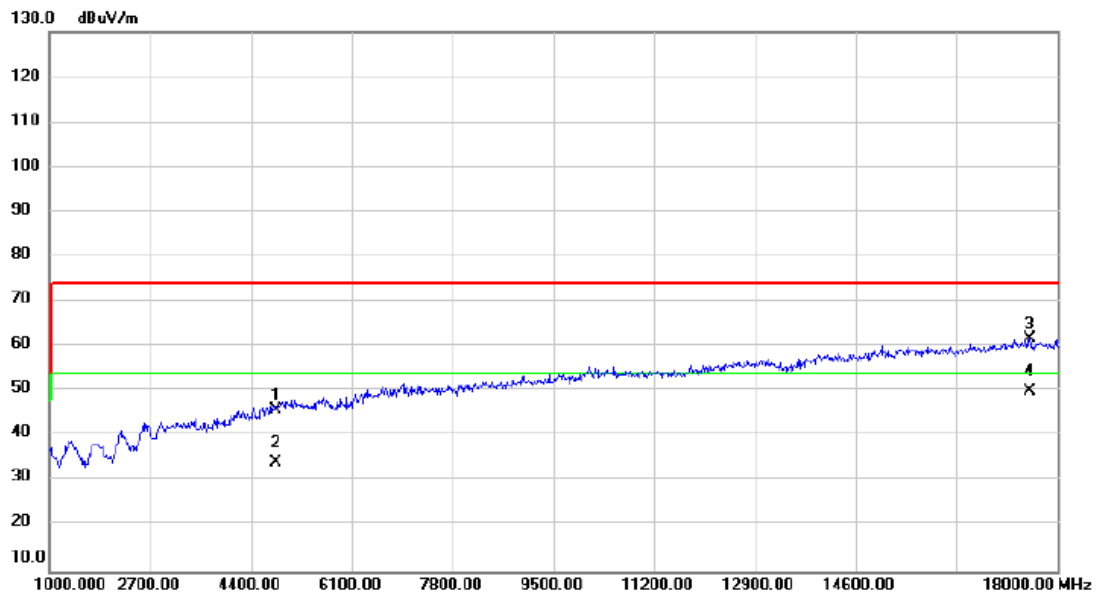


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	44.96	2.08	47.04	74.00	-26.96	peak	
2		4924.000	36.64	2.08	38.72	54.00	-15.28	AVG	
3		17382.90	53.80	7.25	61.05	74.00	-12.95	peak	
4	*	17382.90	42.31	7.25	49.56	54.00	-4.44	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

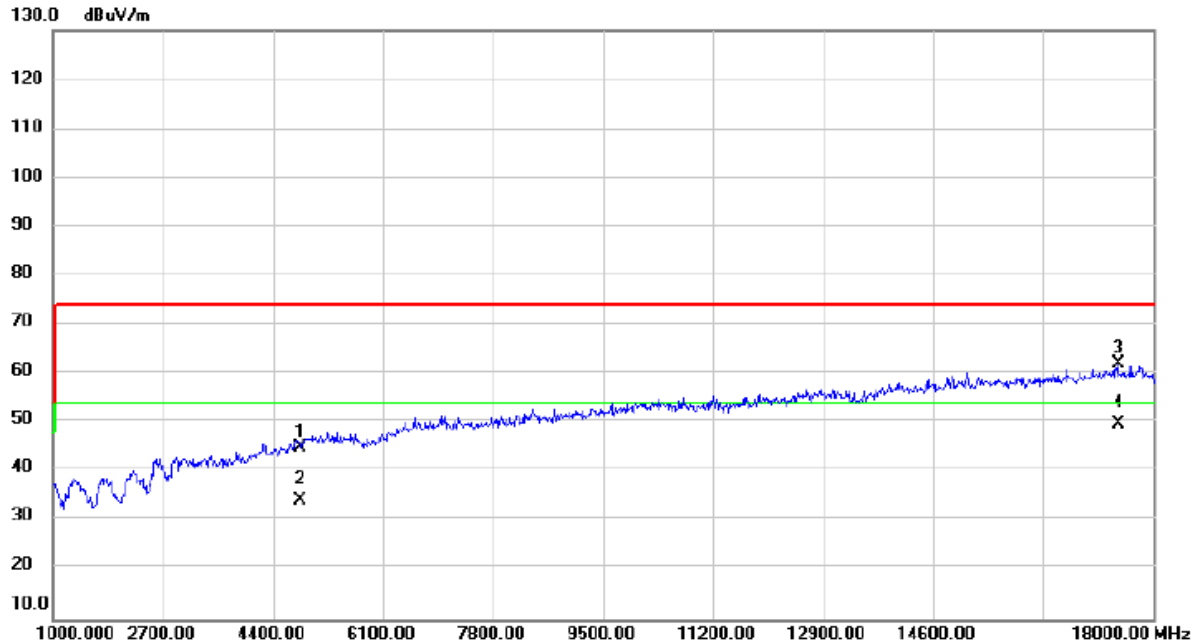


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	44.25	1.68	45.93	74.00	-28.07	peak	
2		4824.000	32.55	1.68	34.23	54.00	-19.77	AVG	
3		17538.16	54.60	7.21	61.81	74.00	-12.19	peak	
4	*	17538.16	42.71	7.21	49.92	54.00	-4.08	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%



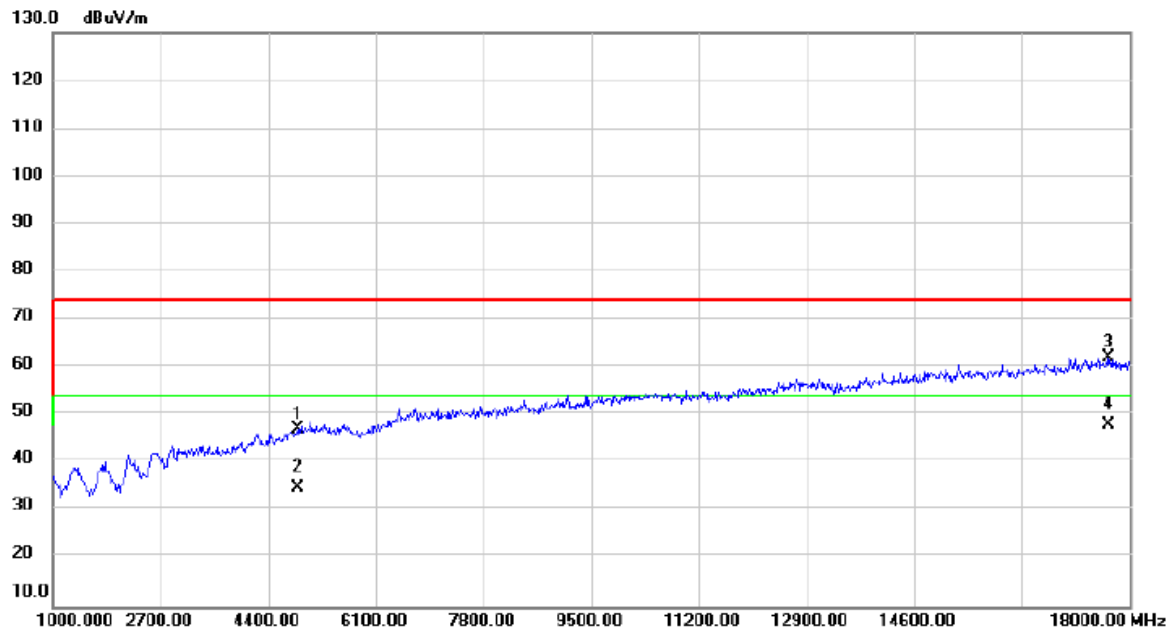
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	43.20	1.68	44.88	74.00	-29.12	peak	
2		4824.000	32.51	1.68	34.19	54.00	-19.81	AVG	
3		17466.76	54.84	7.23	62.07	74.00	-11.93	peak	
4	*	17466.76	42.64	7.23	49.87	54.00	-4.13	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	57%



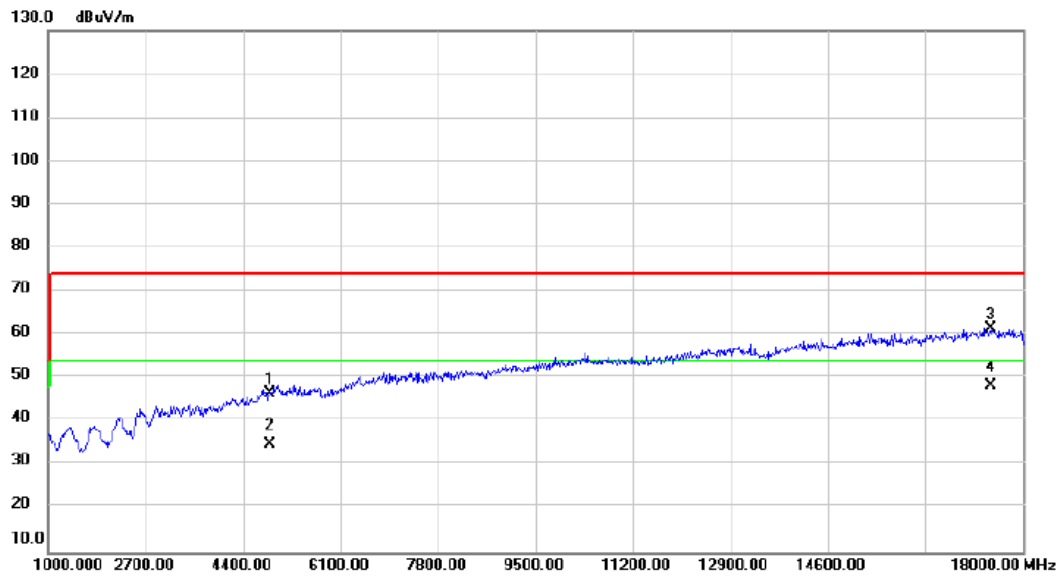
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	45.18	1.88	47.06	74.00	-26.94	peak	
2		4874.000	32.90	1.88	34.78	54.00	-19.22	AVG	
3		17682.10	54.86	7.20	62.06	74.00	-11.94	peak	
4	*	17682.10	40.68	7.20	47.88	54.00	-6.12	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

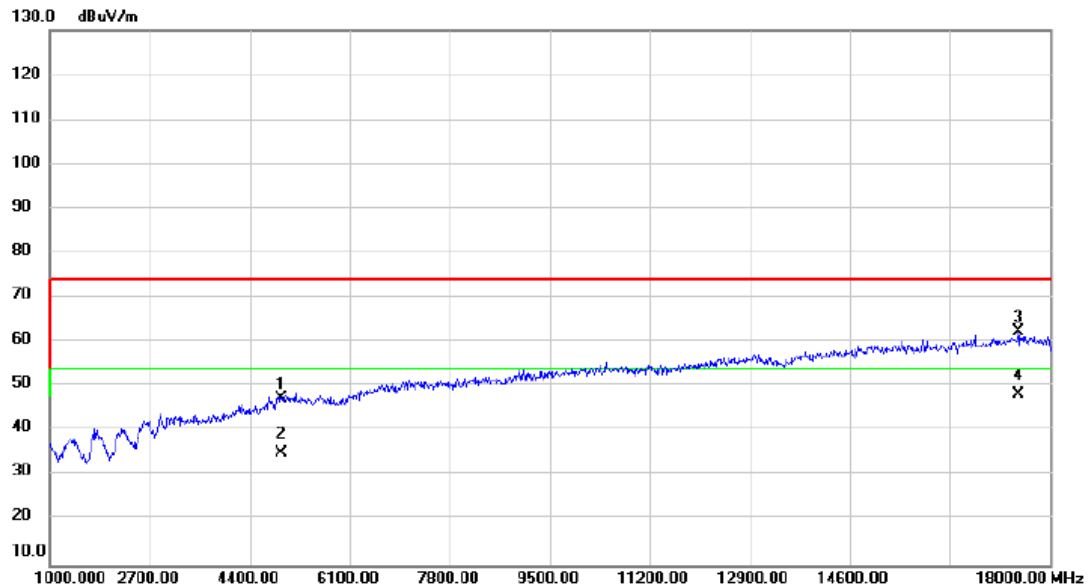


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	44.47	1.88	46.35	74.00	-27.65	peak	
2		4874.000	32.94	1.88	34.82	54.00	-19.18	AVG	
3		17441.26	54.15	7.23	61.38	74.00	-12.62	peak	
4	*	17441.26	40.88	7.23	48.11	54.00	-5.89	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	57%



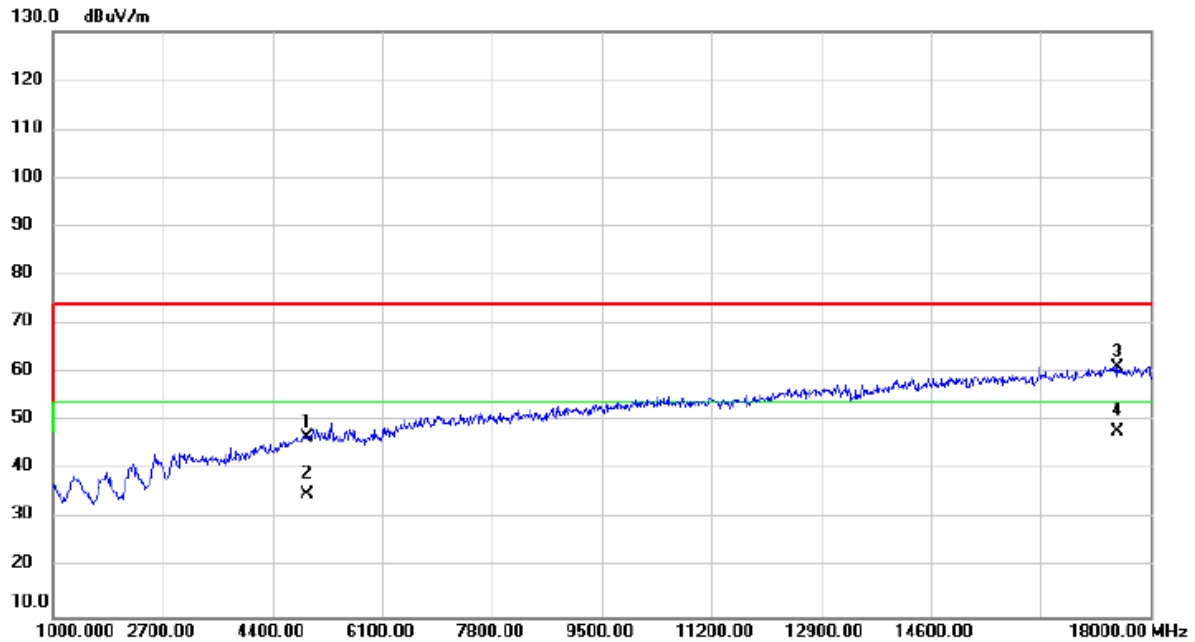
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	45.13	2.08	47.21	74.00	-26.79	peak	
2		4924.000	33.02	2.08	35.10	54.00	-18.90	AVG	
3		17465.63	55.24	7.23	62.47	74.00	-11.53	peak	
4	*	17465.63	40.96	7.23	48.19	54.00	-5.81	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

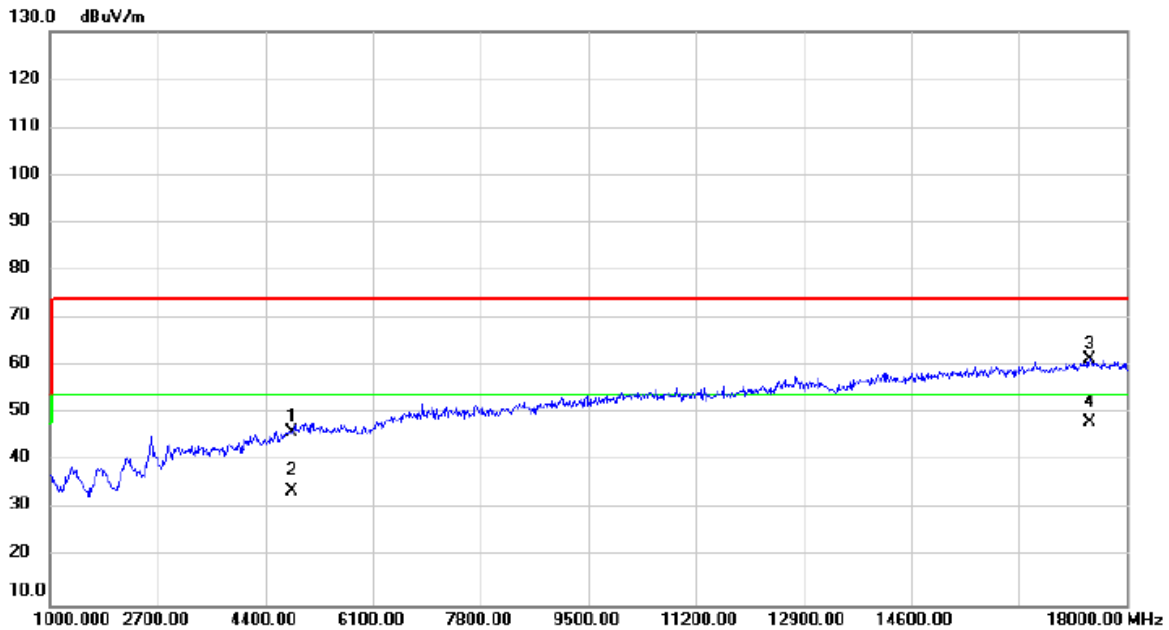


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	44.58	2.08	46.66	74.00	-27.34	peak	
2		4924.000	32.93	2.08	35.01	54.00	-18.99	AVG	
3		17500.20	54.01	7.22	61.23	74.00	-12.77	peak	
4	*	17500.20	40.80	7.22	48.02	54.00	-5.98	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

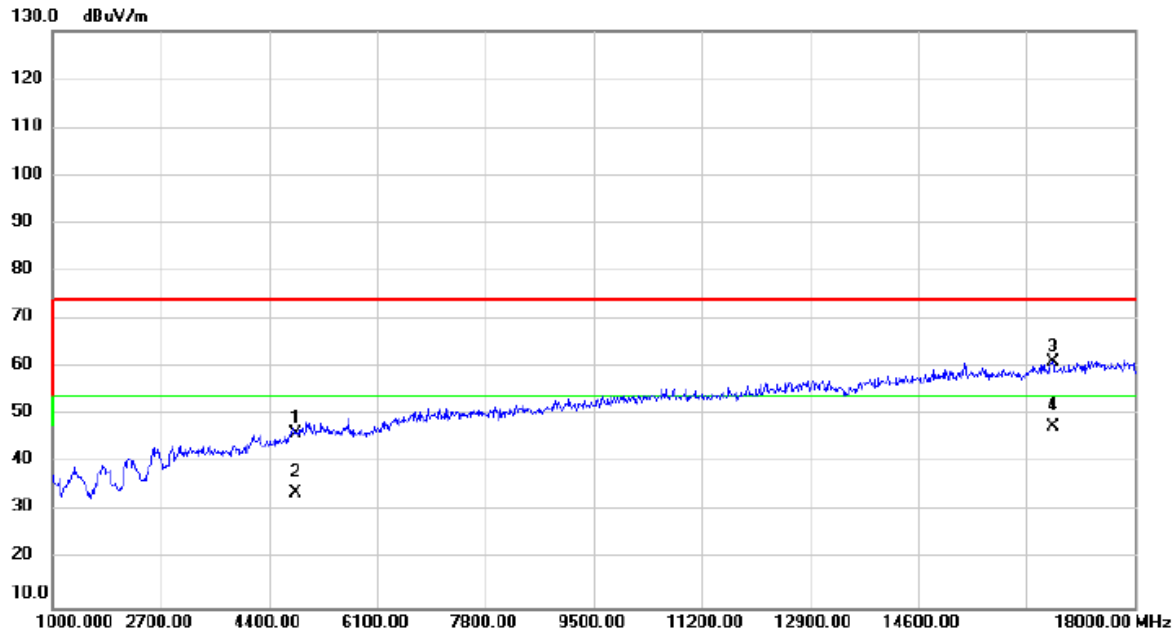


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	44.45	1.68	46.13	74.00	-27.87	peak	
2		4824.000	32.18	1.68	33.86	54.00	-20.14	AVG	
3		17413.50	54.06	7.25	61.31	74.00	-12.69	peak	
4	*	17413.50	41.04	7.25	48.29	54.00	-5.71	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

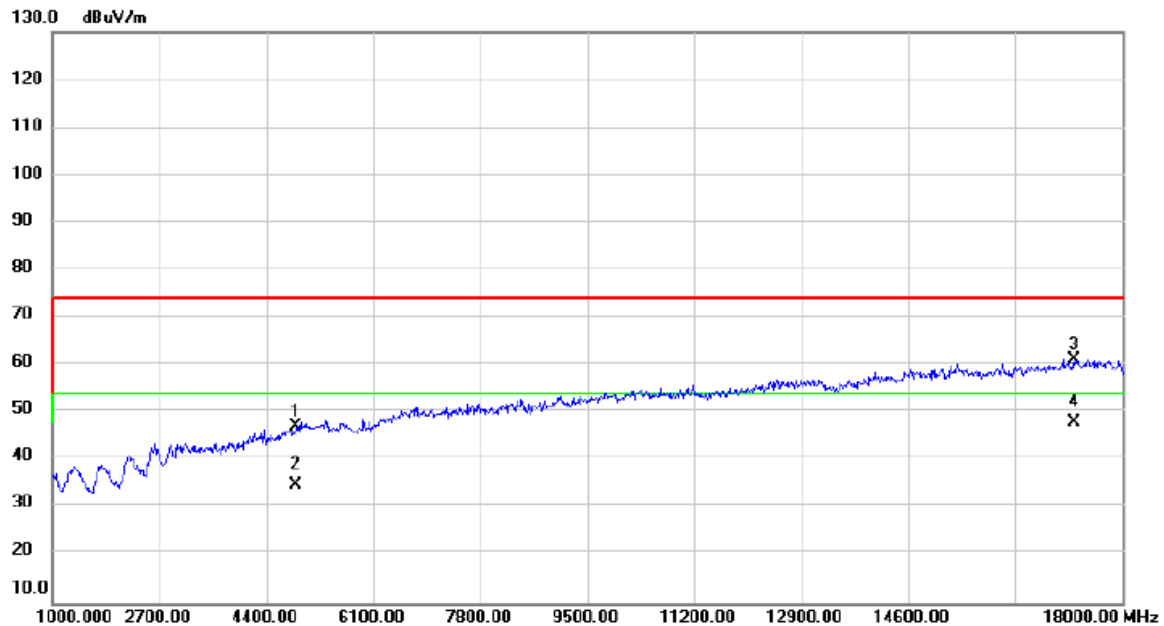


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	44.62	1.68	46.30	74.00	-27.70	peak	
2		4824.000	32.15	1.68	33.83	54.00	-20.17	AVG	
3		16714.23	53.23	7.81	61.04	74.00	-12.96	peak	
4	*	16714.23	39.82	7.81	47.63	54.00	-6.37	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

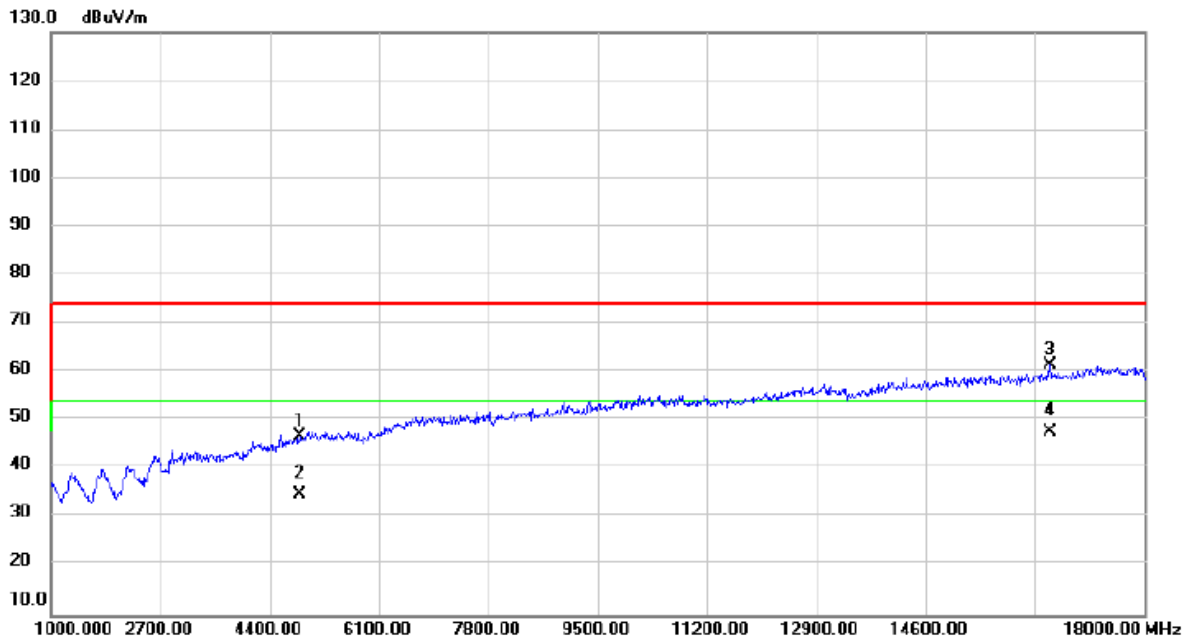


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	45.21	1.88	47.09	74.00	-26.91	peak	
2		4874.000	32.87	1.88	34.75	54.00	-19.25	AVG	
3		17232.16	53.95	7.30	61.25	74.00	-12.75	peak	
4	*	17232.16	40.58	7.30	47.88	54.00	-6.12	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

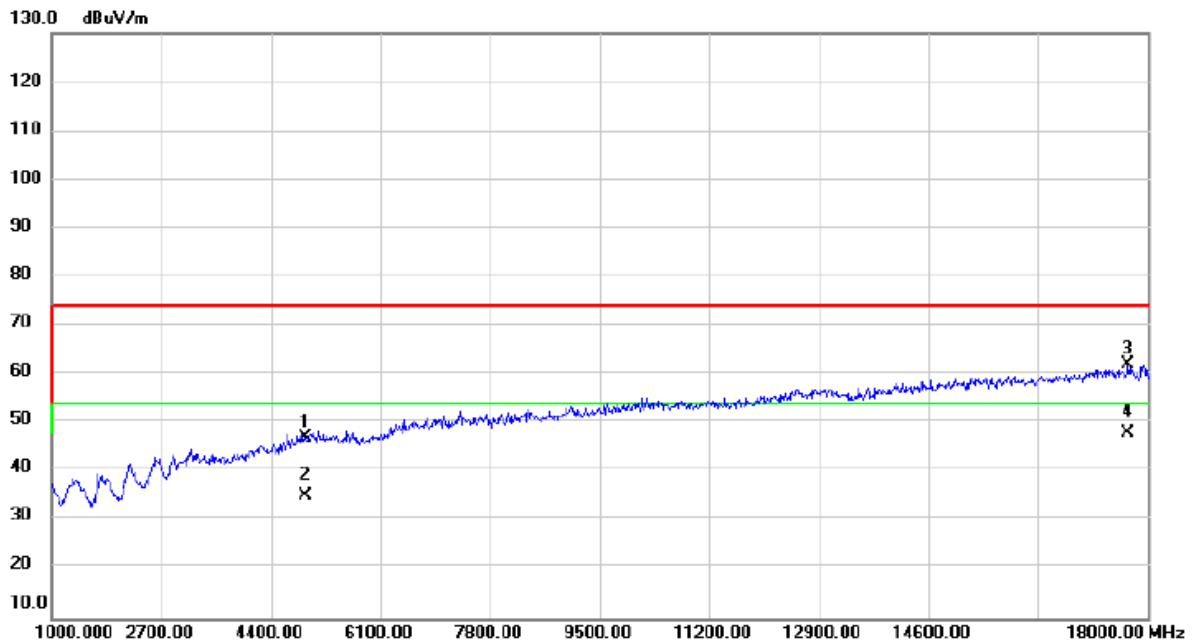


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.85	1.88	46.73	74.00	-27.27	peak	
2		4874.000	32.89	1.88	34.77	54.00	-19.23	AVG	
3		16532.33	53.24	8.09	61.33	74.00	-12.67	peak	
4	*	16532.33	39.54	8.09	47.63	54.00	-6.37	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	57%

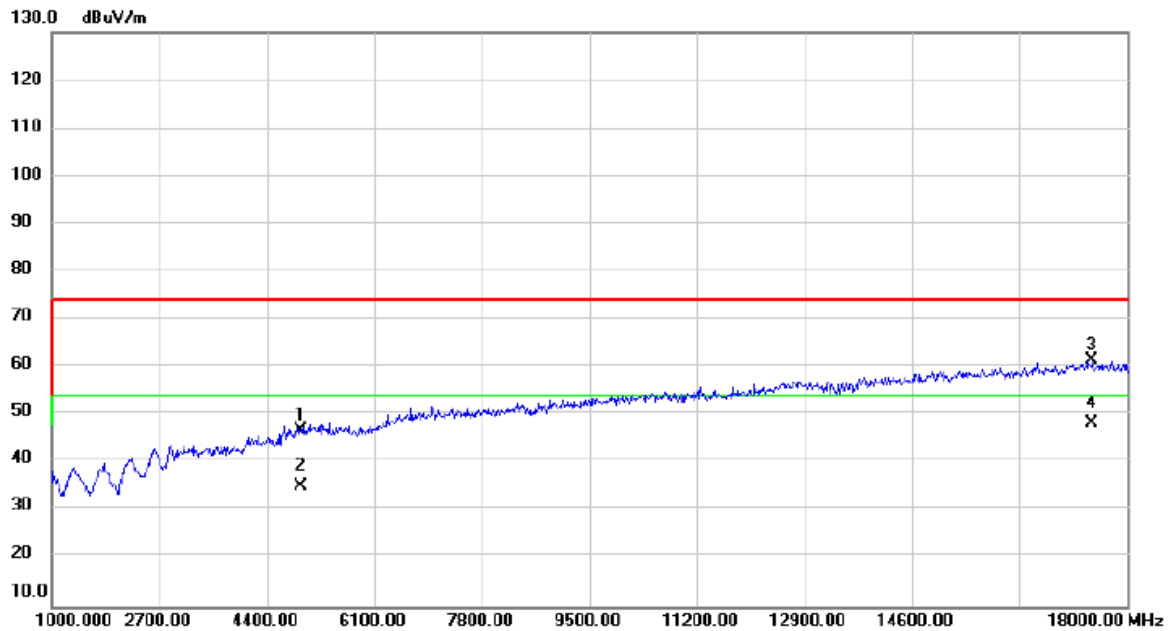


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	45.07	2.08	47.15	74.00	-26.85	peak	
2		4924.000	32.96	2.08	35.04	54.00	-18.96	AVG	
3		17696.26	54.88	7.21	62.09	74.00	-11.91	peak	
4	*	17696.26	40.66	7.21	47.87	54.00	-6.13	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2025/10/17
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	57%

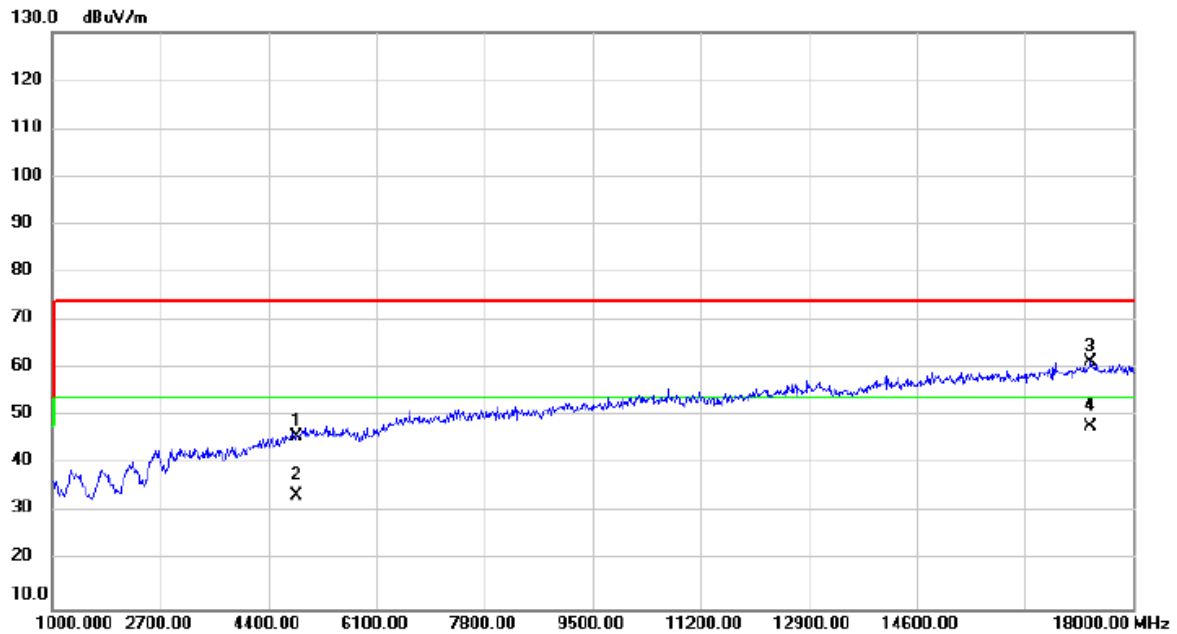


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	44.69	2.08	46.77	74.00	-27.23	peak	
2		4924.000	33.06	2.08	35.14	54.00	-18.86	AVG	
3		17440.13	54.29	7.23	61.52	74.00	-12.48	peak	
4	*	17440.13	40.96	7.23	48.19	54.00	-5.81	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2422MHz	Polarization	Vertical
Temp	23°C	Hum.	54%

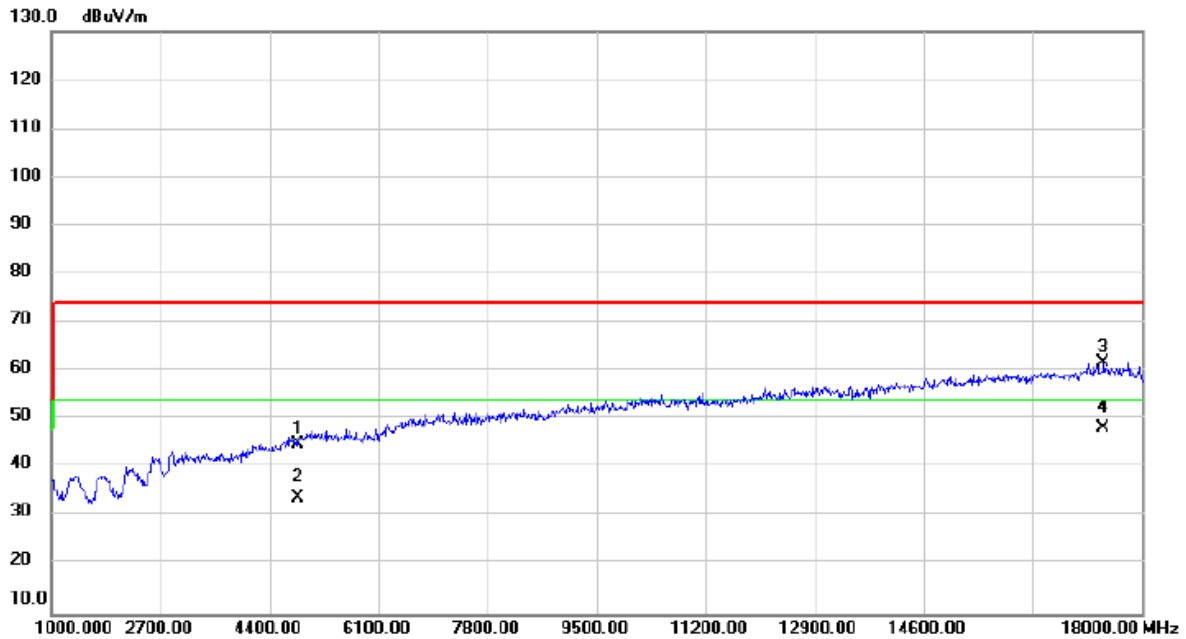


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4844.000	43.95	1.76	45.71	74.00	-28.29	peak	
2		4844.000	31.66	1.76	33.42	54.00	-20.58	AVG	
3		17339.83	54.32	7.26	61.58	74.00	-12.42	peak	
4	*	17339.83	40.76	7.26	48.02	54.00	-5.98	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2422MHz	Polarization	Horizontal
Temp	23°C	Hum.	54%

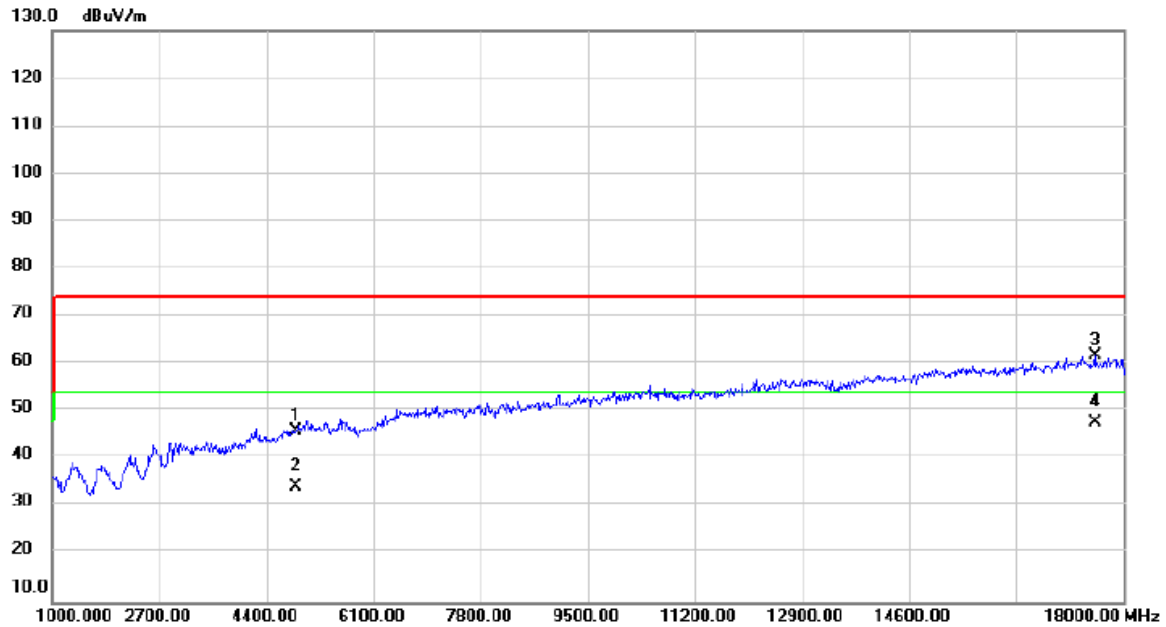


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4844.000	43.25	1.76	45.01	74.00	-28.99	peak	
2		4844.000	32.05	1.76	33.81	54.00	-20.19	AVG	
3		17406.70	54.55	7.24	61.79	74.00	-12.21	peak	
4	*	17406.70	41.09	7.24	48.33	54.00	-5.67	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	54%

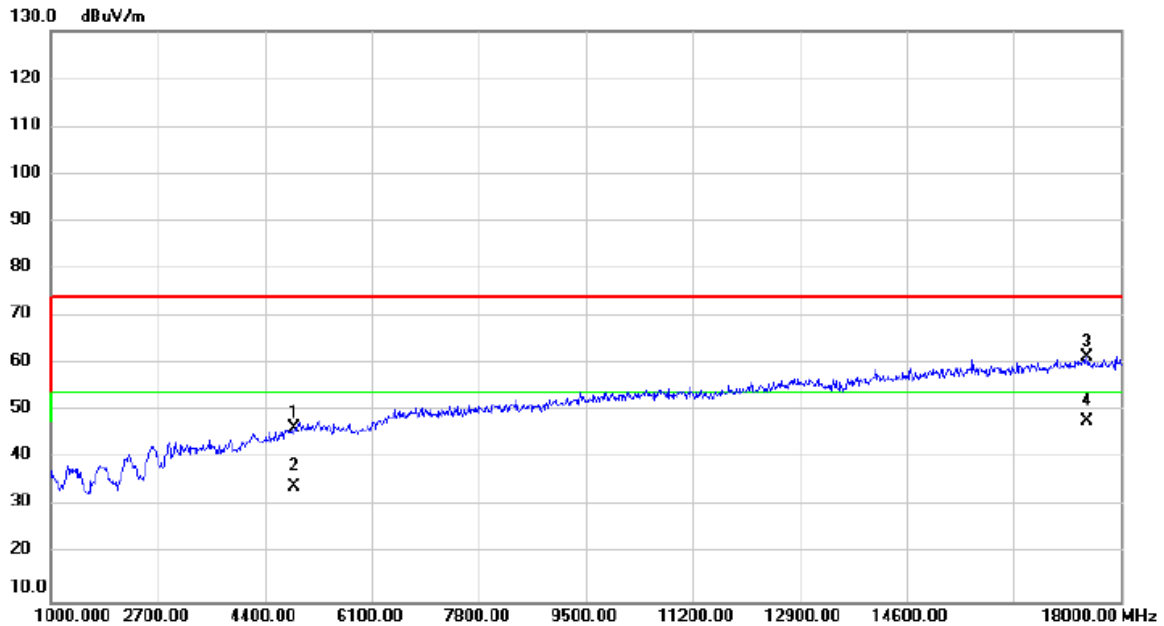


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	43.89	1.88	45.77	74.00	-28.23	peak	
2		4874.000	32.13	1.88	34.01	54.00	-19.99	AVG	
3		17550.06	54.43	7.22	61.65	74.00	-12.35	peak	
4	*	17550.06	40.55	7.22	47.77	54.00	-6.23	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	54%



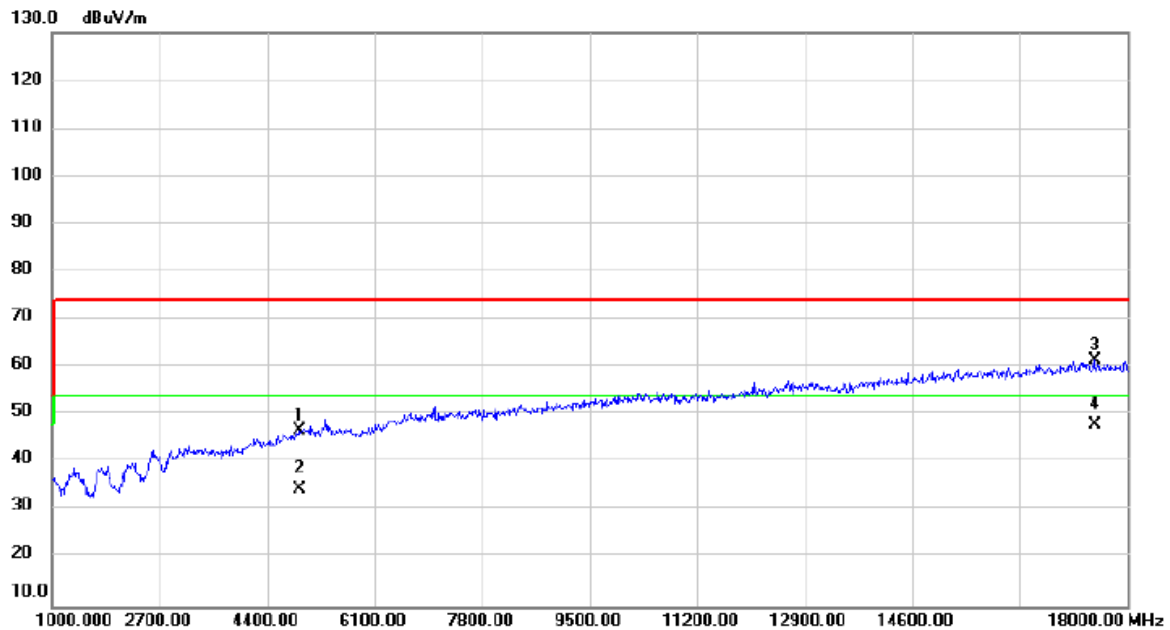
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	44.71	1.88	46.59	74.00	-27.41	peak	
2		4874.000	32.24	1.88	34.12	54.00	-19.88	AVG	
3		17476.40	54.28	7.23	61.51	74.00	-12.49	peak	
4 *		17476.40	40.85	7.23	48.08	54.00	-5.92	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2452MHz	Polarization	Vertical
Temp	23°C	Hum.	54%

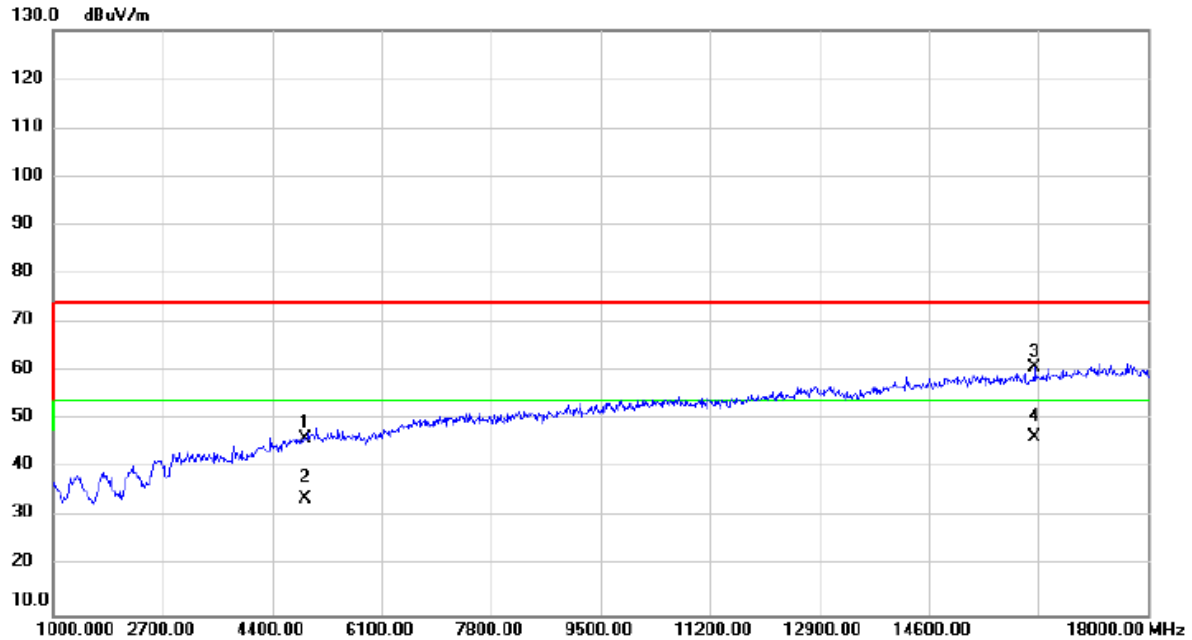


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4904.000	44.73	2.01	46.74	74.00	-27.26	peak	
2		4904.000	32.56	2.01	34.57	54.00	-19.43	AVG	
3		17488.30	54.36	7.22	61.58	74.00	-12.42	peak	
4	*	17488.30	40.83	7.22	48.05	54.00	-5.95	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2025/12/2
Test Frequency	2452MHz	Polarization	Horizontal
Temp	23°C	Hum.	54%

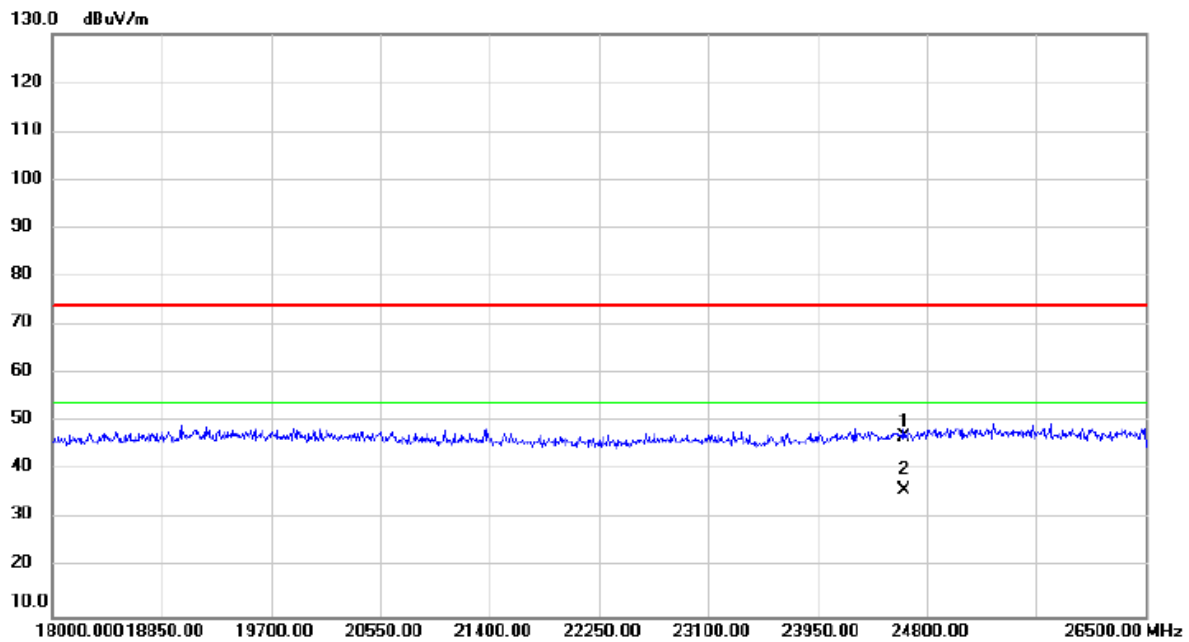


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4904.000	44.22	2.01	46.23	74.00	-27.77	peak	
2		4904.000	31.74	2.01	33.75	54.00	-20.25	AVG	
3		16250.70	52.74	8.11	60.85	74.00	-13.15	peak	
4	*	16250.70	38.45	8.11	46.56	54.00	-7.44	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/11/4
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	63%

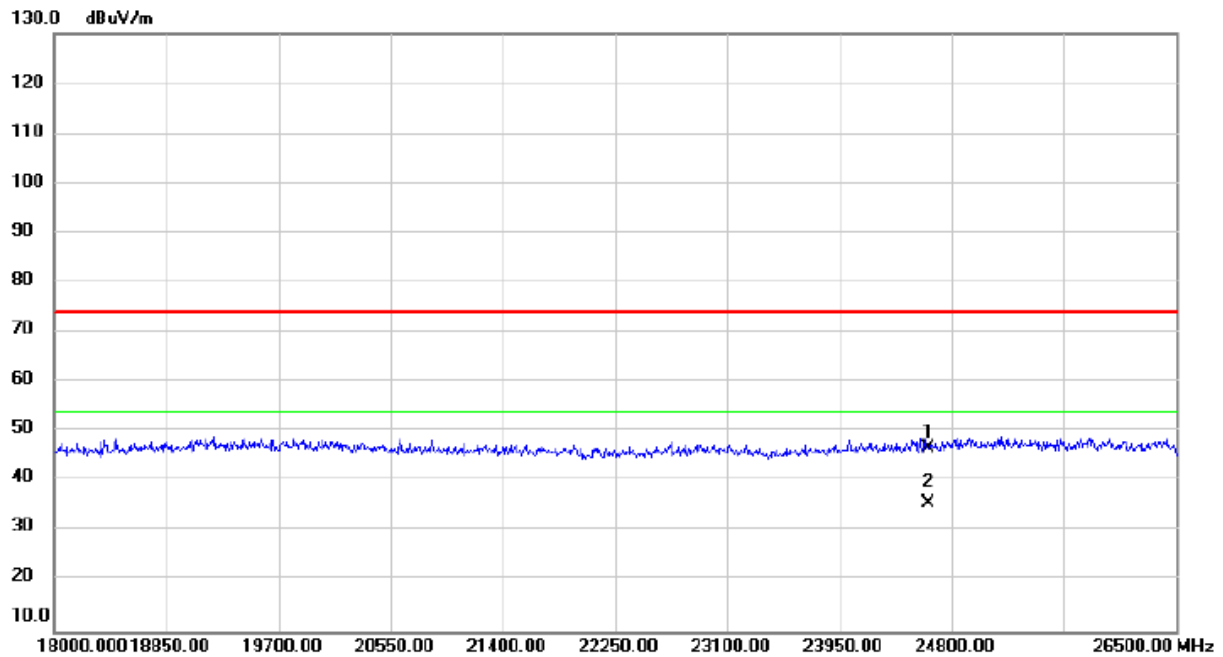


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		24620.00	49.35	-2.30	47.05	74.00	-26.95	peak
2	*	24620.00	38.29	-2.30	35.99	54.00	-18.01	AVG

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2025/11/4
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	63%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		24620.00	48.94	-2.30	46.64	74.00	-27.36	peak	
2	*	24620.00	38.03	-2.30	35.73	54.00	-18.27	AVG	

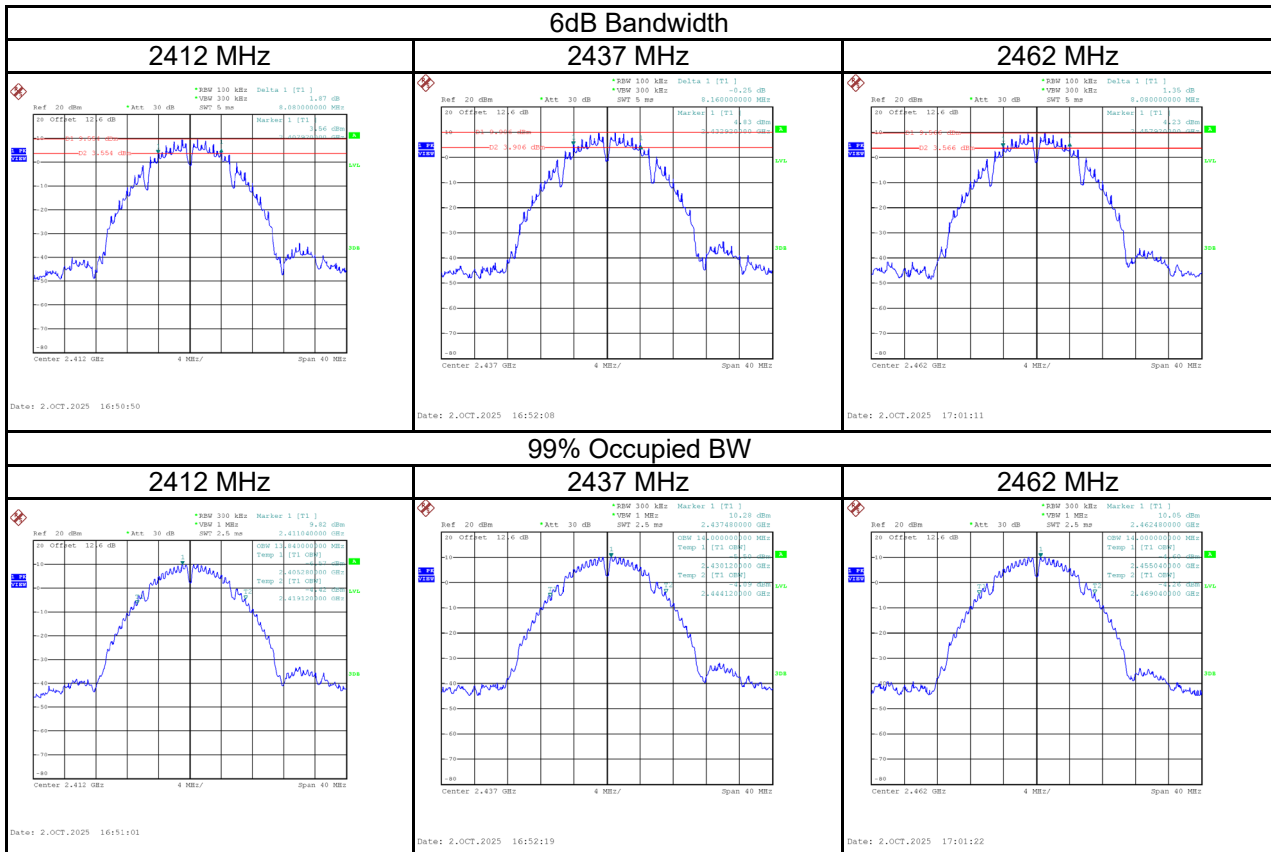
REMARKS:

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

APPENDIX E BANDWIDTH

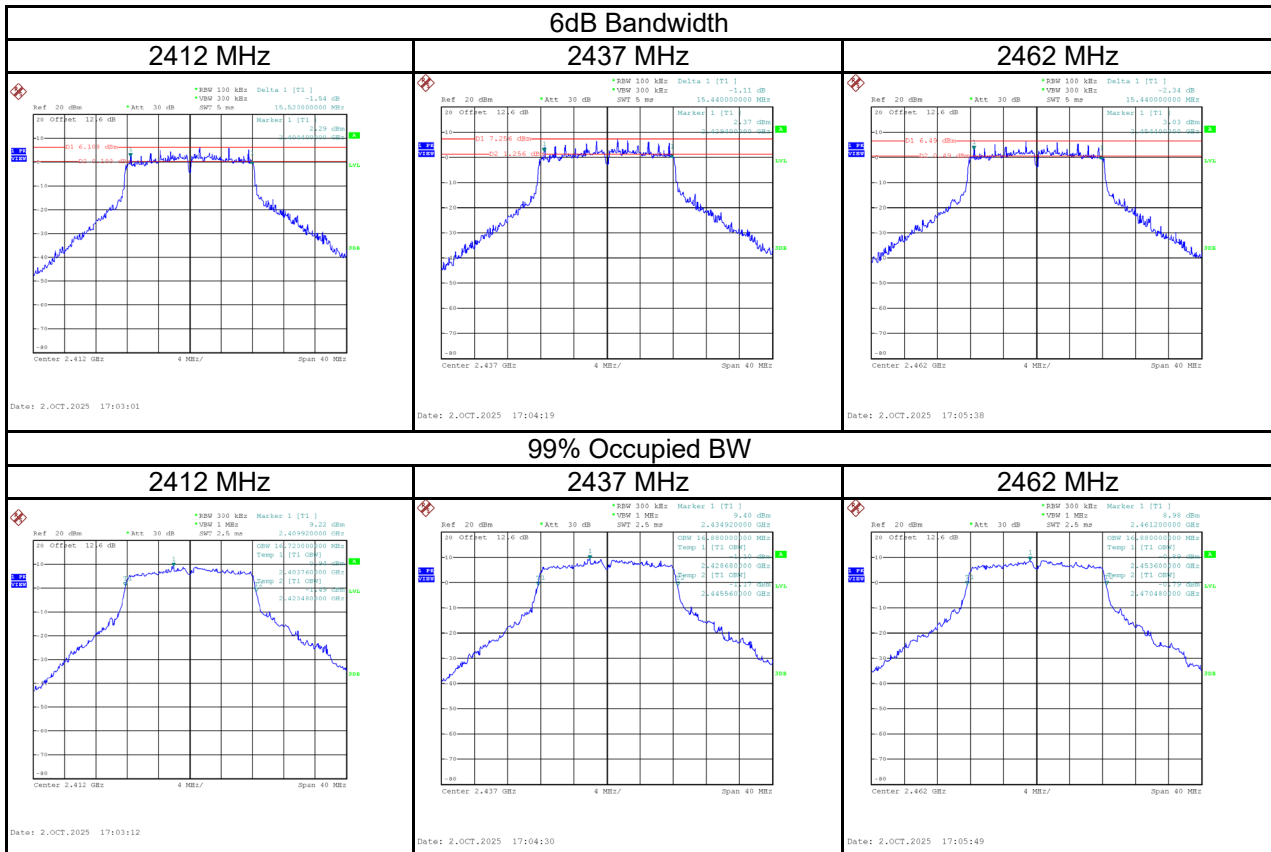
Test Mode	IEEE 802.11b
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.08	13.84	≥ 500	Pass
2437	8.16	14.00	≥ 500	Pass
2462	8.08	14.00	≥ 500	Pass



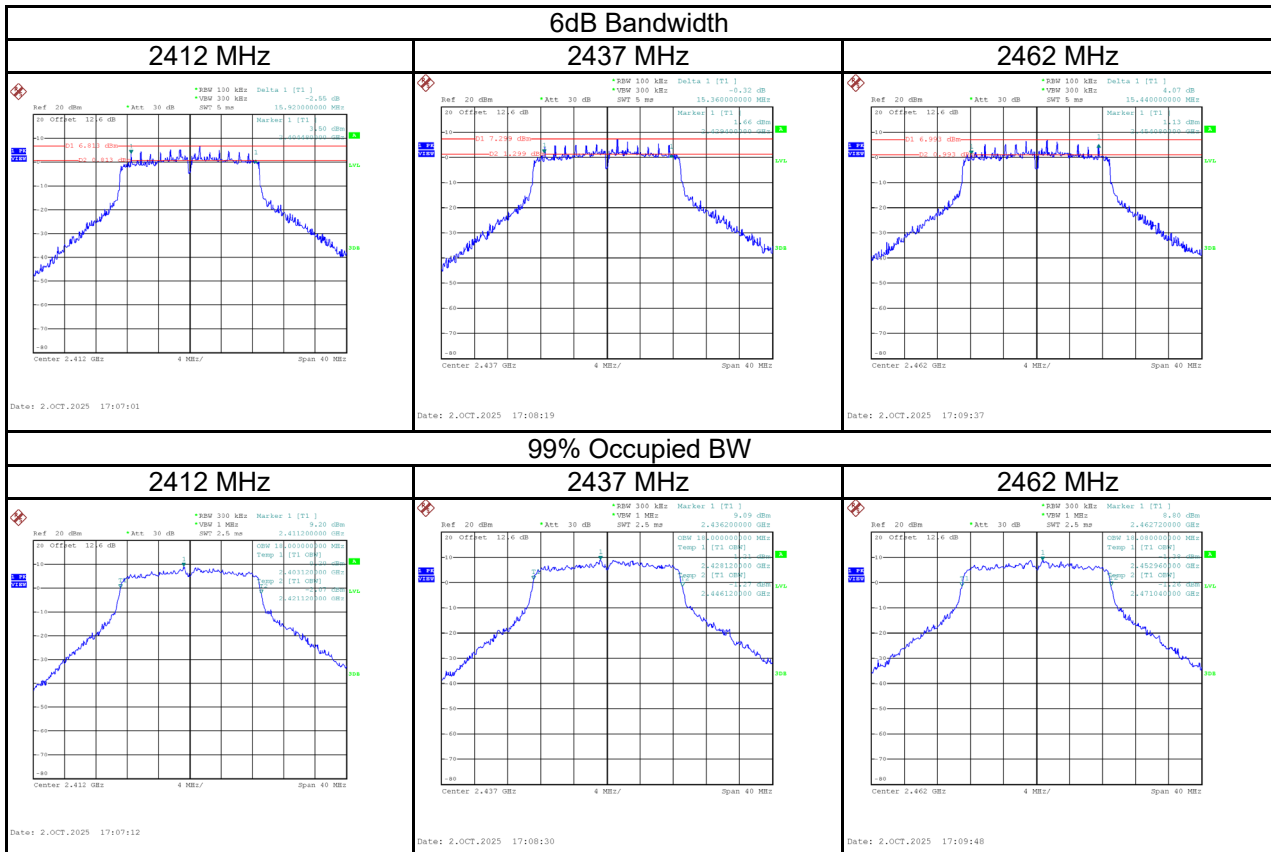
Test Mode	IEEE 802.11g
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.52	16.72	≥ 500	Pass
2437	15.44	16.88	≥ 500	Pass
2462	15.44	16.88	≥ 500	Pass



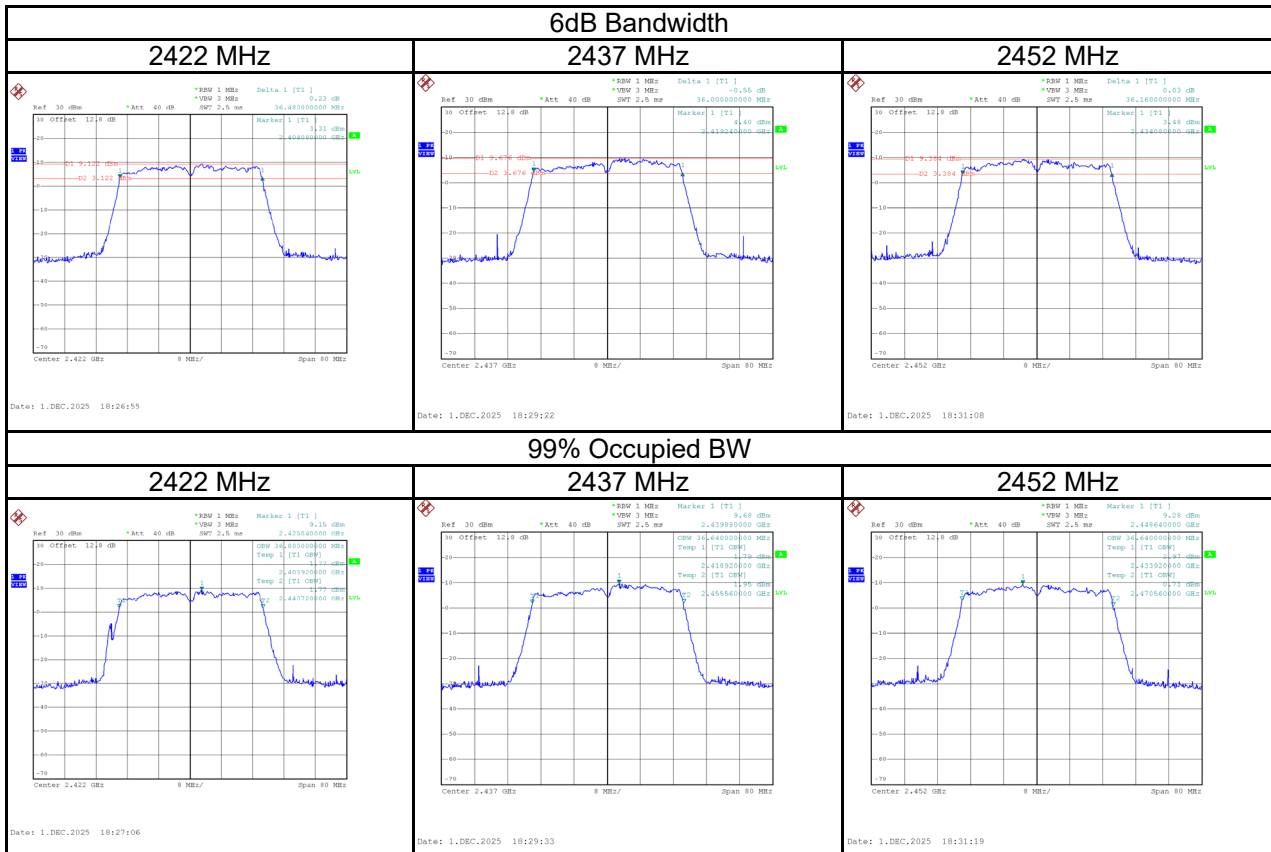
Test Mode	IEEE 802.11n (HT20)
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.92	18.00	≥ 500	Pass
2437	15.36	18.00	≥ 500	Pass
2462	15.44	18.08	≥ 500	Pass



Test Mode	IEEE 802.11n (HT40)
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.48	36.80	≥ 500	Pass
2437	36.00	36.64	≥ 500	Pass
2452	36.16	36.64	≥ 500	Pass



APPENDIX F OUTPUT POWER

Test Mode	IEEE 802.11b	Tested Date	2025/10/2
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Result
2412	20.26	0.1062	30.00	1.0000	Pass
2437	20.43	0.1104	30.00	1.0000	Pass
2462	20.19	0.1045	30.00	1.0000	Pass

Test Mode	IEEE 802.11g	Tested Date	2025/10/2
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Result
2412	21.30	0.1349	30.00	1.0000	Pass
2437	21.29	0.1346	30.00	1.0000	Pass
2462	20.26	0.1062	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)	Tested Date	2025/10/2
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Result
2412	21.22	0.1324	30.00	1.0000	Pass
2437	21.17	0.1309	30.00	1.0000	Pass
2462	20.59	0.1146	30.00	1.0000	Pass

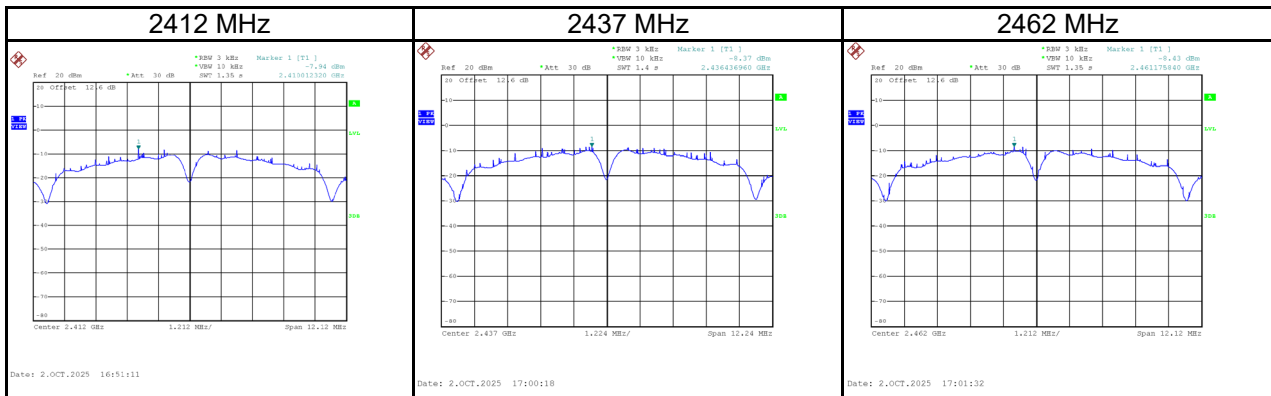
Test Mode	IEEE 802.11n (HT40)	Tested Date	2025/12/2
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Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Result
2422	19.89	0.0975	30.00	1.0000	Pass
2437	20.11	0.1026	30.00	1.0000	Pass
2452	19.48	0.0887	30.00	1.0000	Pass

APPENDIX G POWER SPECTRAL DENSITY

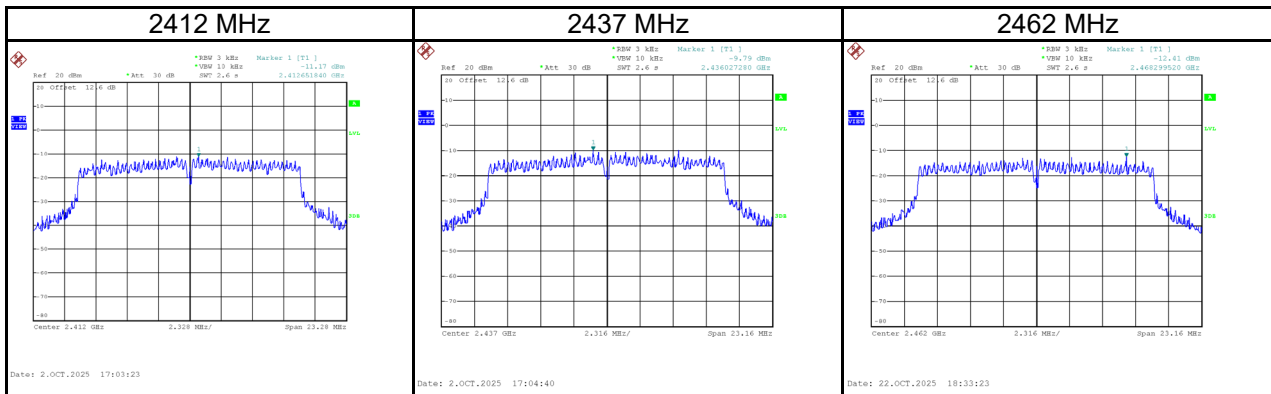
Test Mode	IEEE 802.11b
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Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-7.94	8.00	Pass
2437	-8.37	8.00	Pass
2462	-8.43	8.00	Pass



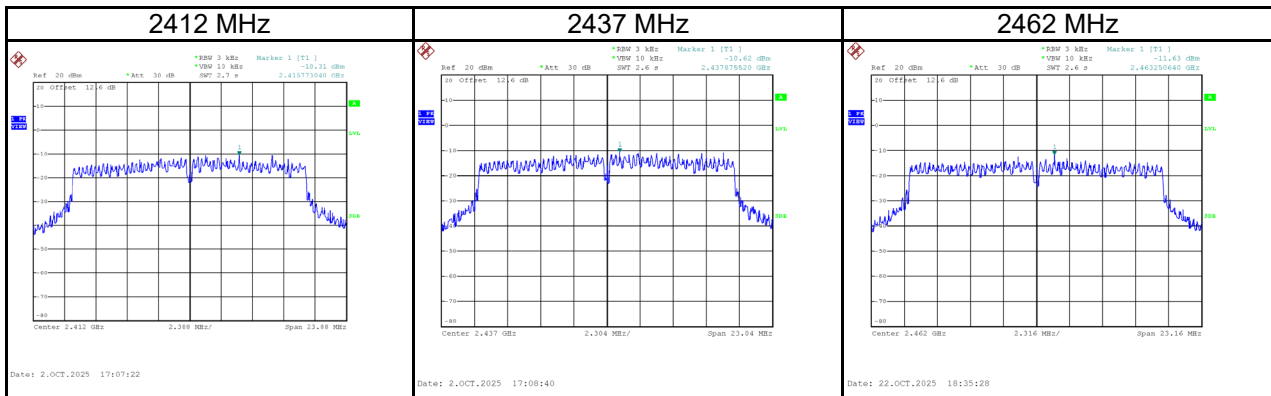
Test Mode	IEEE 802.11g
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Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-11.17	8.00	Pass
2437	-9.79	8.00	Pass
2462	-12.41	8.00	Pass



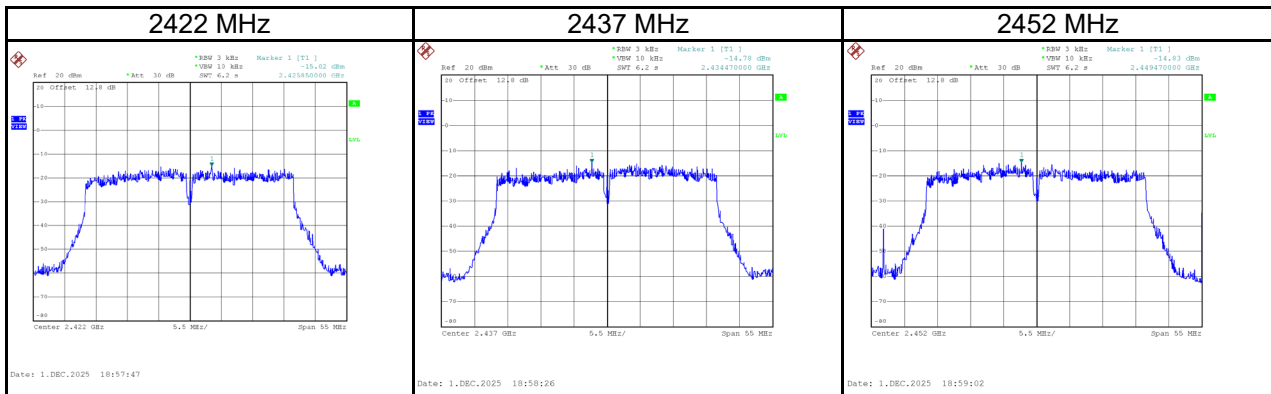
Test Mode	IEEE 802.11n (HT20)
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Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.31	8.00	Pass
2437	-10.62	8.00	Pass
2462	-11.63	8.00	Pass



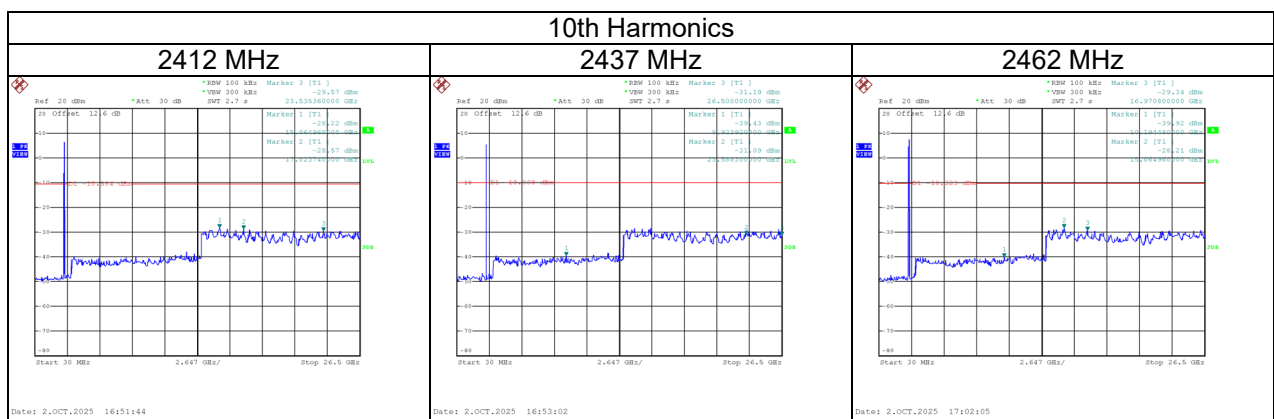
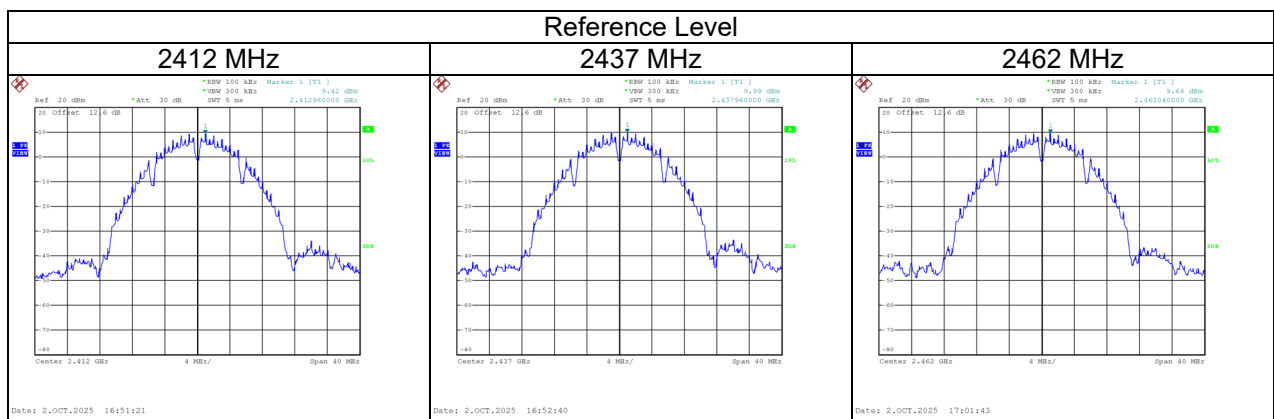
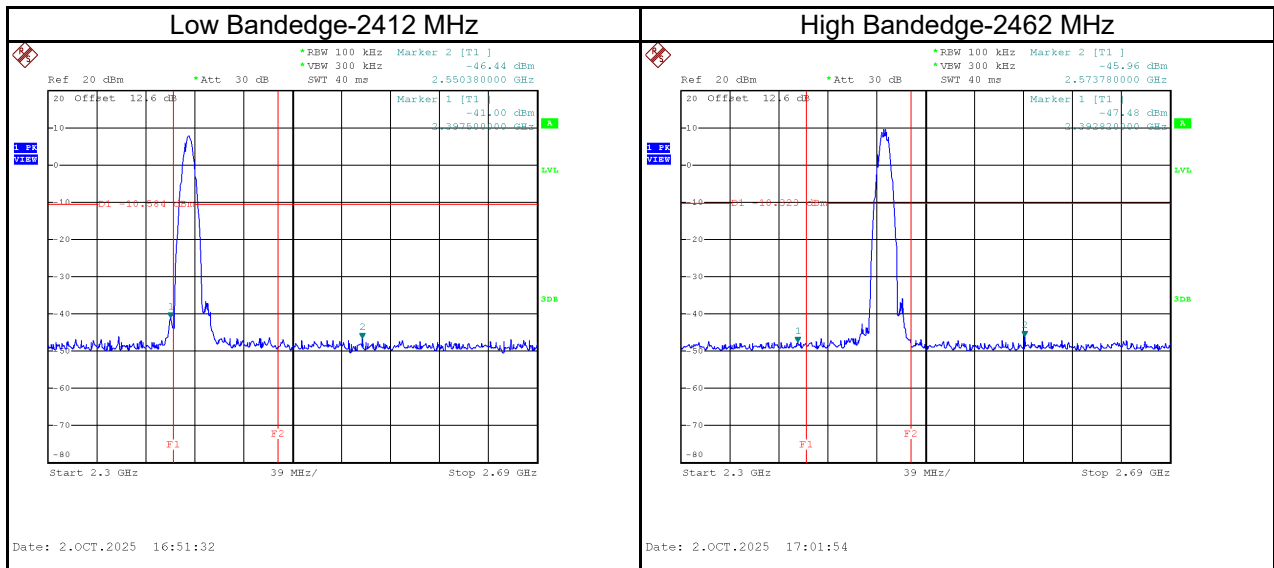
Test Mode	IEEE 802.11n (HT40)
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Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-15.02	8.00	Pass
2437	-14.78	8.00	Pass
2452	-14.83	8.00	Pass

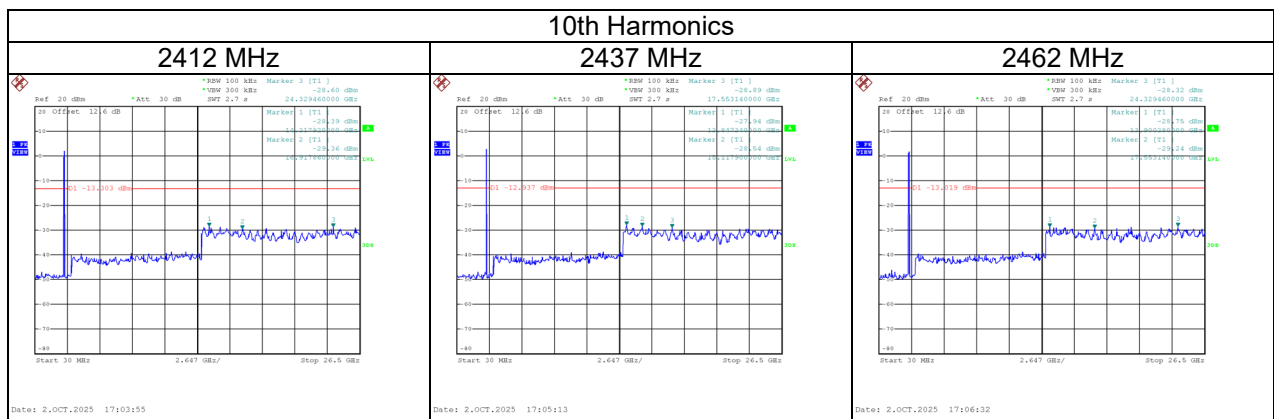
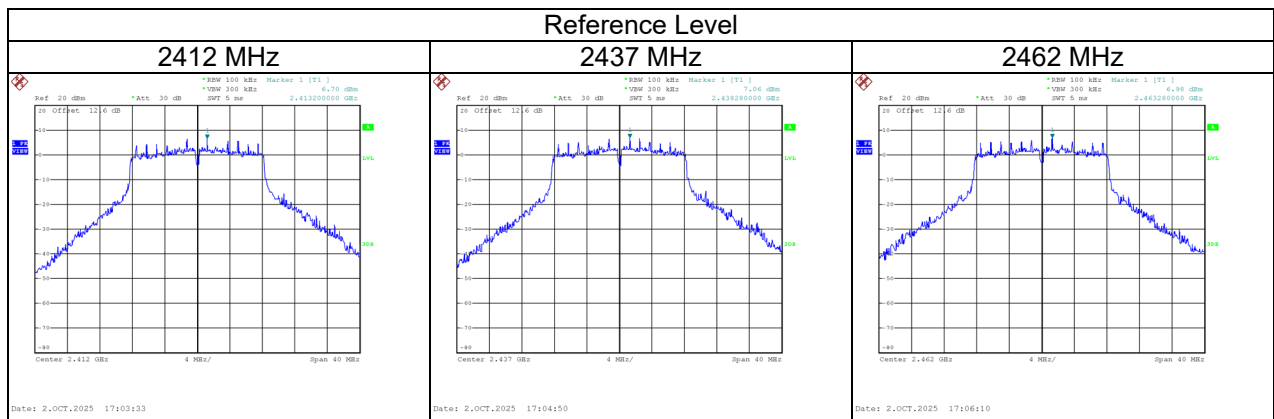
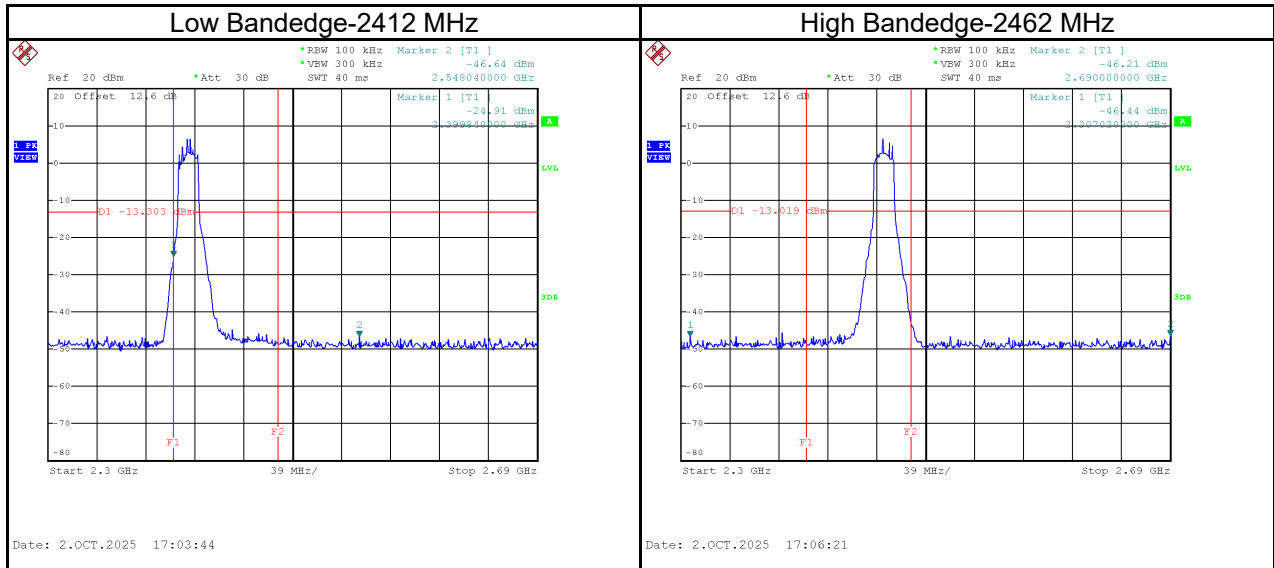


APPENDIX H ANTENNA CONDUCTED SPURIOUS EMISSIONS

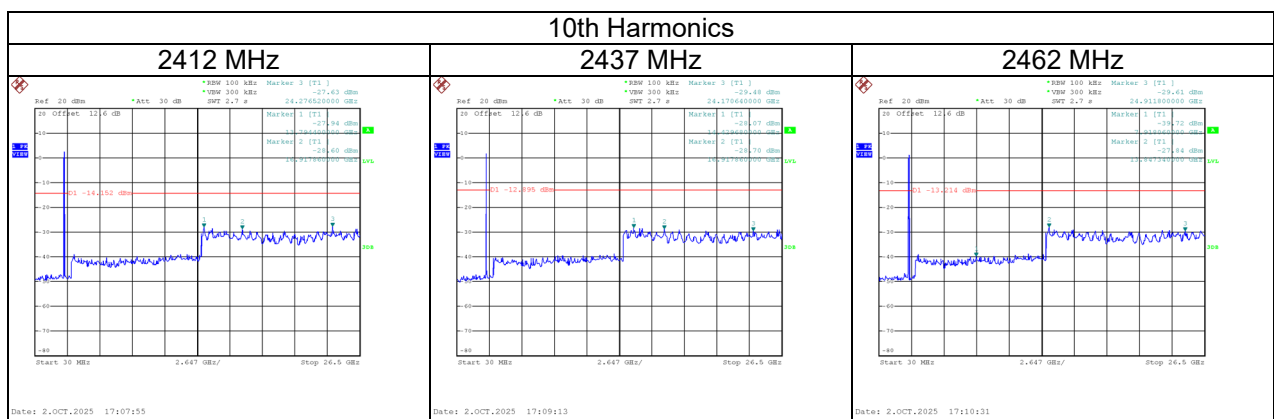
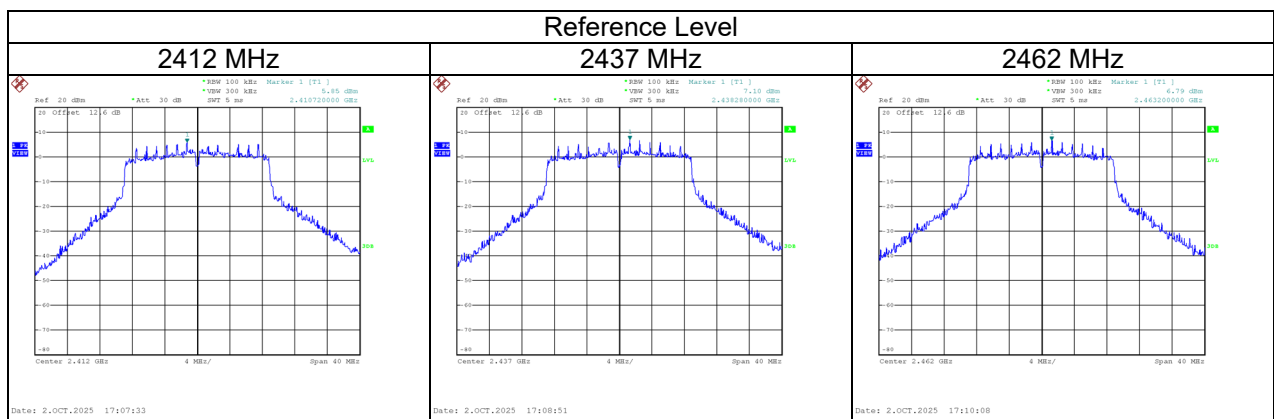
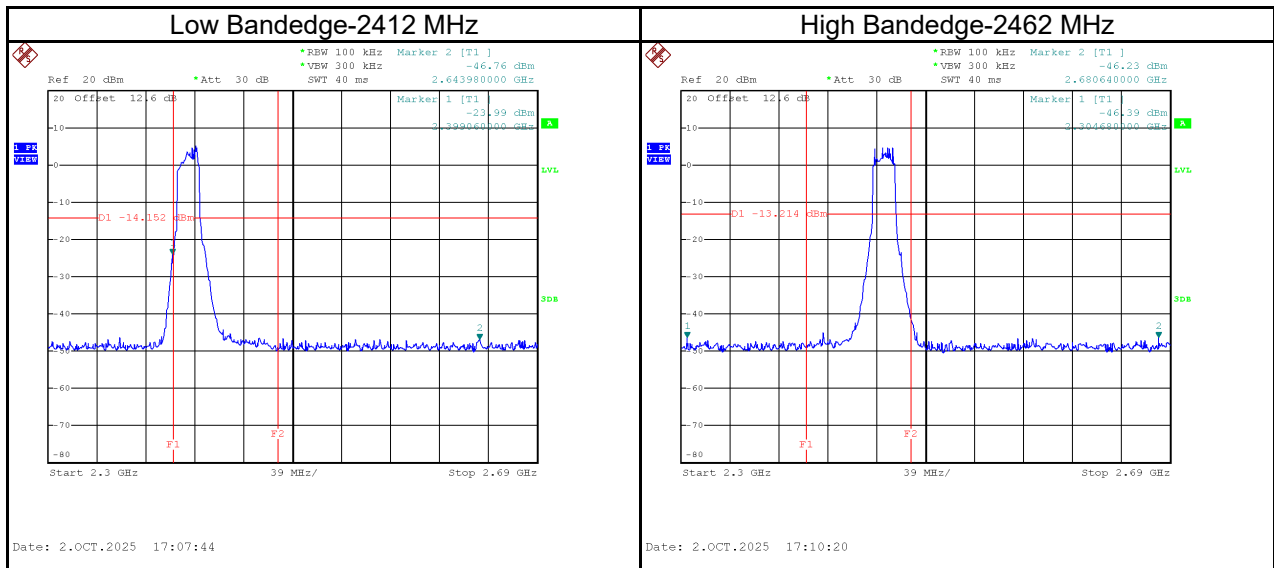
Test Mode	IEEE 802.11b
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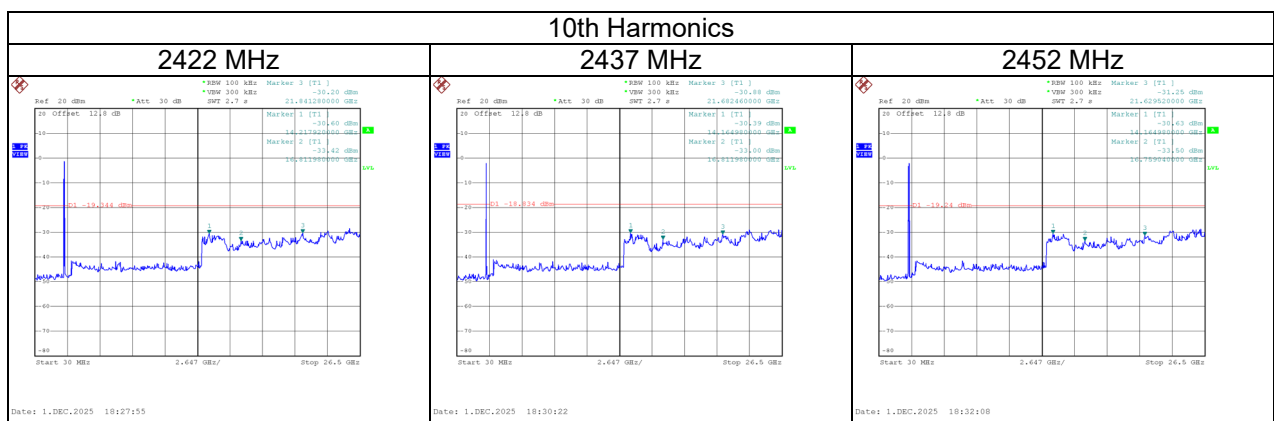
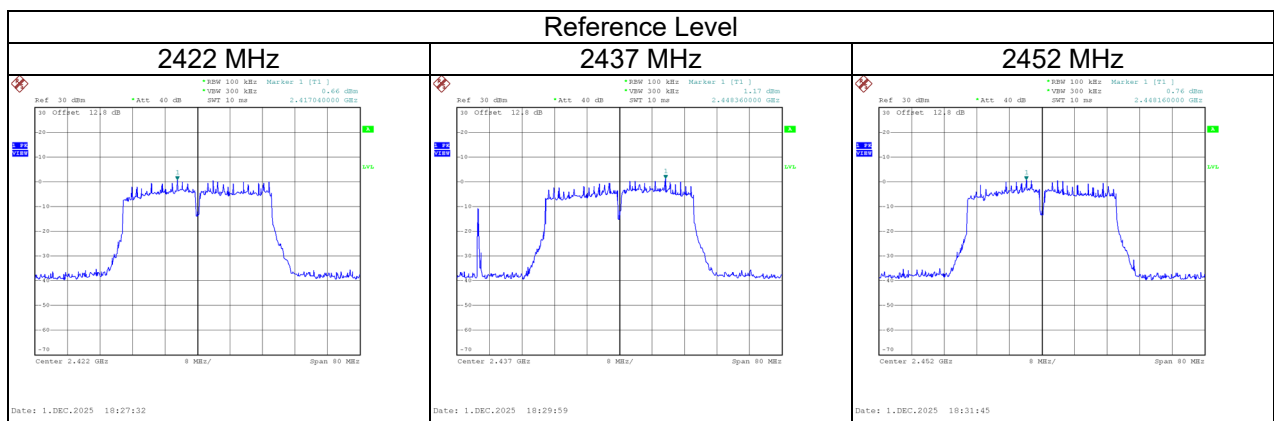
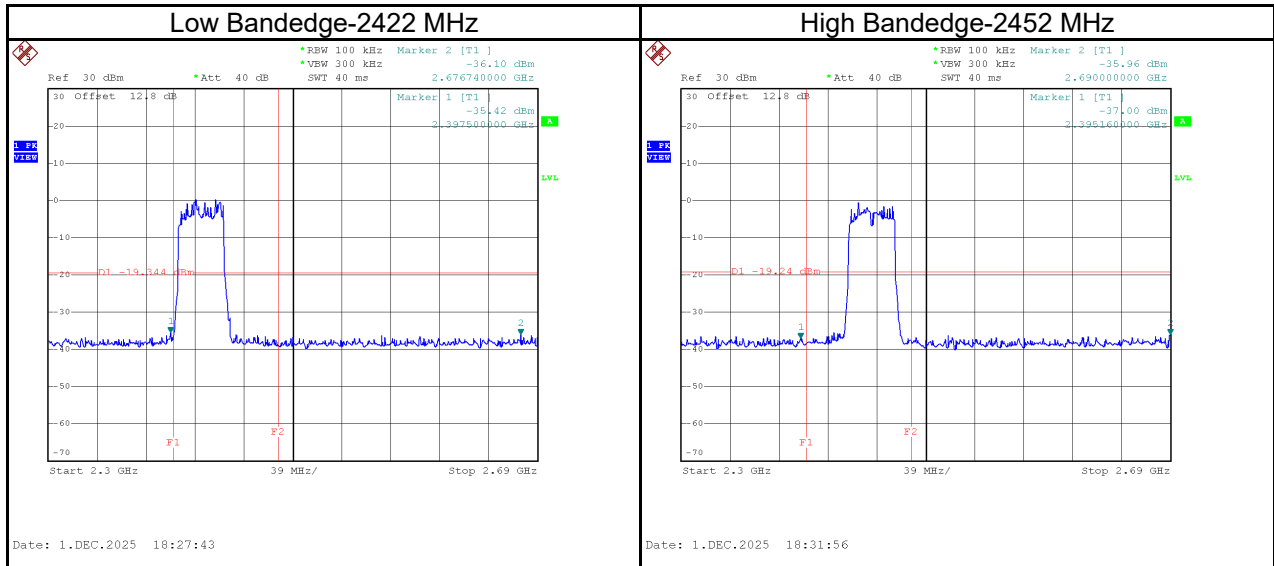
Test Mode IEEE 802.11g



Test Mode IEEE 802.11n (HT20)



Test Mode	IEEE 802.11n (HT40)
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End of Test Report