FCC Radio Test Report

FCC ID: GSS-VS20861

Report No.	:	BTL-FCCP-1-2507T096
Equipment	:	Display
Model Name	:	VS20861
Brand Name	:	ViewSonic
Applicant	:	ViewSonic Corporation
Address	:	10 Pointe Drive, Suite 200, Brea, CA 92821 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 C63.10-2013
Date of Receipt	:	2025/7/28
Date of Test	:	2025/8/1 ~ 2025/9/16
Issued Date	:	2025/9/17

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

Prepared by : Brett Shen
Brett Shen, Engineer

Approved by : Jerry Chuang
Jerry Chuang, Vice Manager

Testing Laboratory
0659

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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.

CONTENTS

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2507T096	R00	Original Report.	2025/8/20	Invalid
BTL-FCCP-1-2507T096	R01	Revised report to address TCB's comments.	2025/9/17	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)
☒ 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** ± **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 ~ 30MHz	3.44

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U (dB)
CB21	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

C. Conducted test:

Test Item	U,(dB)
Occupied Bandwidth	0.5334
Output Power	0.3669
Power Spectral Density	0.6591
Conducted Spurious emissions	0.5416
Conducted Band edges	0.5348

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	24 °C, 55 %	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	23 °C, 56 %	AC 120V	Easton Tsai
Output Power	23 °C, 56 %	AC 120V	Easton Tsai
Power Spectral Density	23 °C, 56 %	AC 120V	Easton Tsai
Antenna conducted Spurious Emission	23 °C, 56 %	AC 120V	Easton Tsai

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

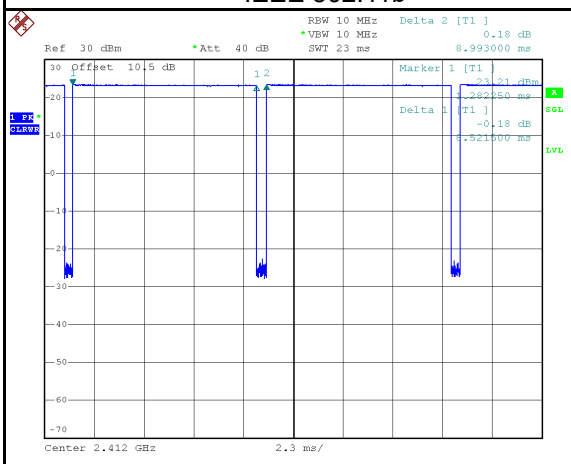
Test Software	RTL8723FU V1.0001.1020.2018			
Modulation Mode	2412 MHz	2437 MHz	2462 MHz	Data Rate
IEEE 802.11b	104	101	113	1 Mbps
IEEE 802.11g	127	127	122	6 Mbps
IEEE 802.11n (HT20)	122	127	118	MCS 0

1.5 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

Remark	Delta 2			Delta 3	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	8.522	1	8.522	8.993	94.76%	0.23
IEEE 802.11g	1.412	1	1.412	4.420	31.95%	4.96
IEEE 802.11n (HT20)	3.276	1	3.276	4.576	71.59%	1.45

IEEE 802.11b



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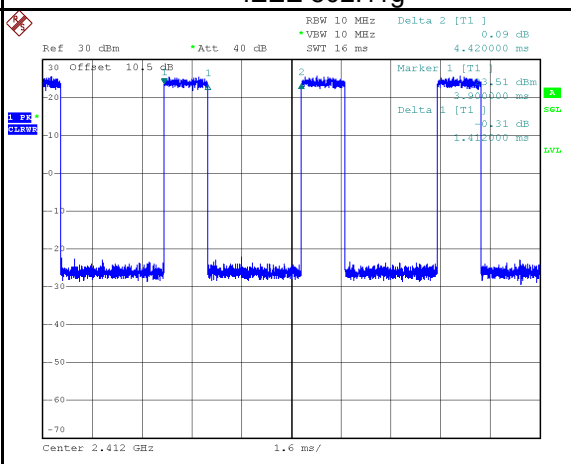
IEEE 802.11g



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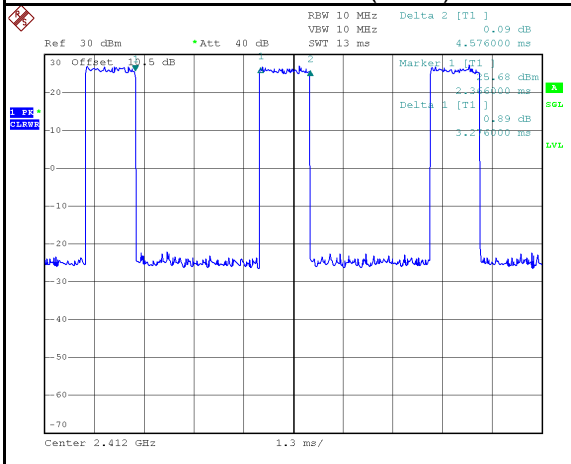
IEEE 802.11n (HT20)



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2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Display
Model Name	VS20861
Brand Name	ViewSonic
Model Difference	N/A
Power Source	AC Mains.
Power Rating	I/P: 100~240V~, 50/60Hz
Products Covered	1 * USB Cable 1 * HDMI Cable 1 * Power Cable
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 72.2 Mbps
Maximum Output Power	IEEE 802.11b: 21.66 dBm (0.1466 W) IEEE 802.11g: 26.11 dBm (0.4083 W) IEEE 802.11n (HT20): 27.03 dBm (0.5047 W)
Test Model	VS20861
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	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

(3) Table for Filed Antenna:

Antenna	Brand	Model Name	Type	Connector	Frequency (MHz)	Gain (dBi)
1	Wistron	VS20861	PCB	I-PEX	2400-2500	2.40
					5150-5250	2.55
					5725-5850	2.13

(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

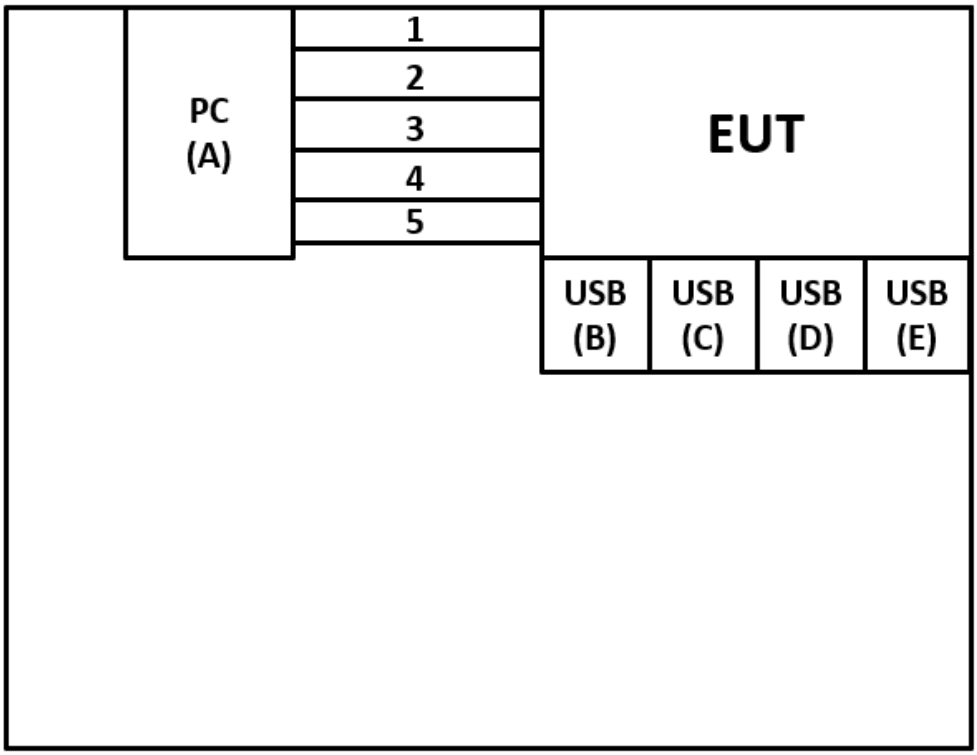
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	IEEE 802.11b	11	-
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11b	01/11	Bandedge
	IEEE 802.11g		
	IEEE 802.11n (HT20)		
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11b	01/06/11	Harmonic
	IEEE 802.11g		
	IEEE 802.11n (HT20)		
Transmitter Radiated Emissions (above 18GHz)	IEEE 802.11b	11	-
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	IEEE 802.11b	01/06/11	-
	IEEE 802.11g		
	IEEE 802.11n (HT20)		

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) The output power and power spectral density of all supported configurations of Full and Partial RU were all tested and recorded in the report, for other test items only the worst RU mode was tested and recorded.

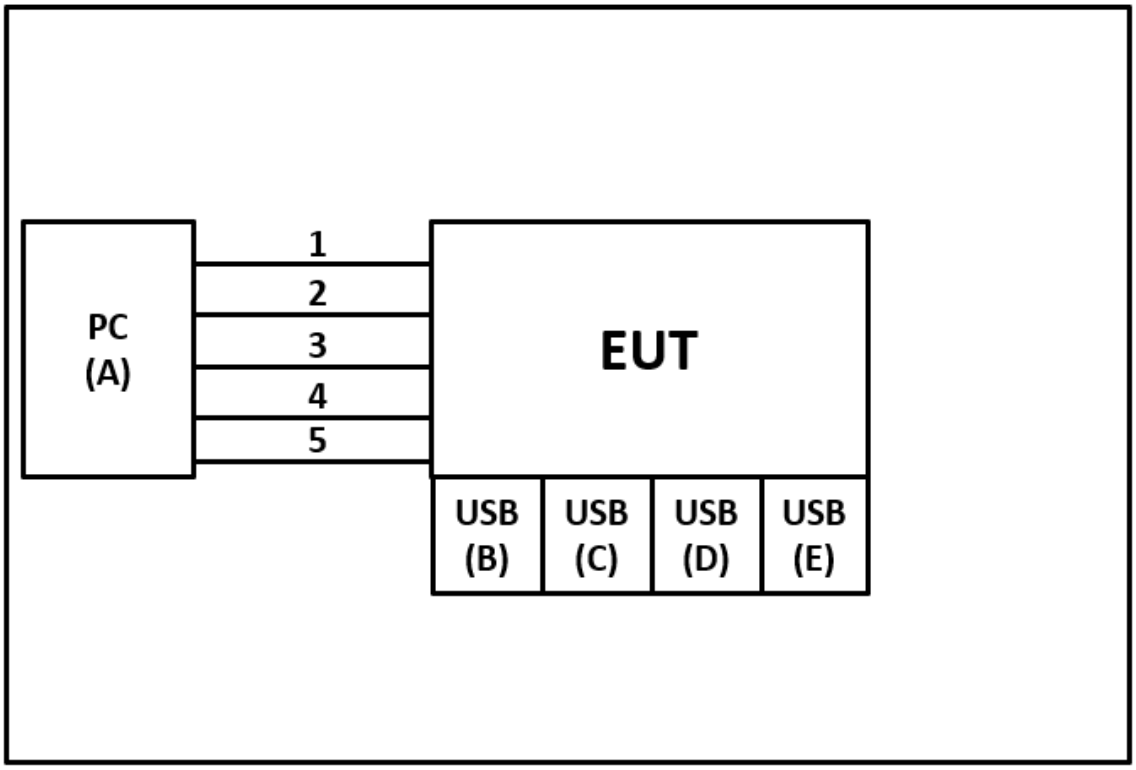
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC Power Line Conducted Emissions Test



Radiated Emissions Test



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	PC	N/A	N/A	N/A	Furnished by test lab.
B	USB	N/A	N/A	N/A	Furnished by test lab.
C	USB	N/A	N/A	N/A	Furnished by test lab.
D	USB	N/A	N/A	N/A	Furnished by test lab.
E	USB	N/A	N/A	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1.8m	USB Cable	Supplied by test requester
2	N/A	N/A	1.8m	HDMI Cable	Supplied by test requester
3	N/A	N/A	1.8m	Power Cable	Supplied by test requester
4	N/A	N/A	2m	DP Cable	Furnished by test lab.
5	N/A	N/A	2m	VGA 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		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
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

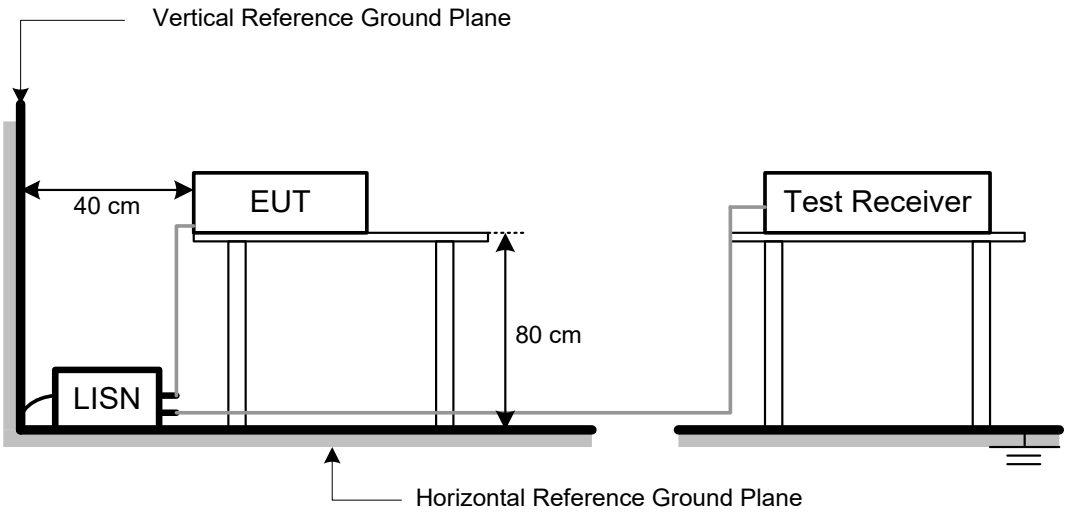
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
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)
41.91	+	-8.36	=	33.55

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

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

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

4.2 TEST PROCEDURE

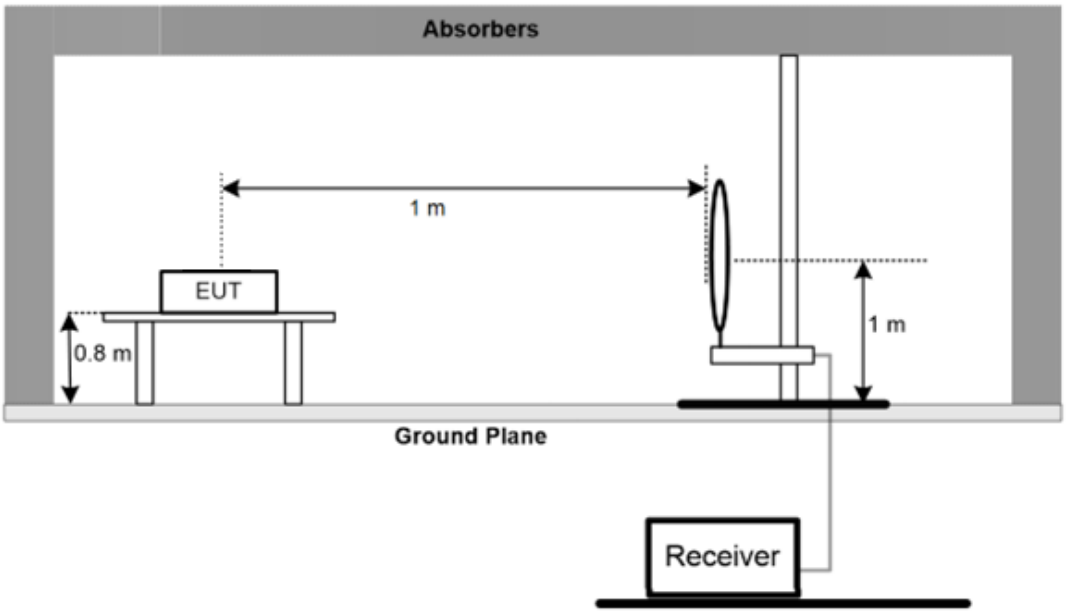
a. The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
b. The measuring distance 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)
c. 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)
d. 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.
e. 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).
f. 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.
g. 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.
h. 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)
i. 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)
j. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

4.3 DEVIATION FROM TEST STANDARD

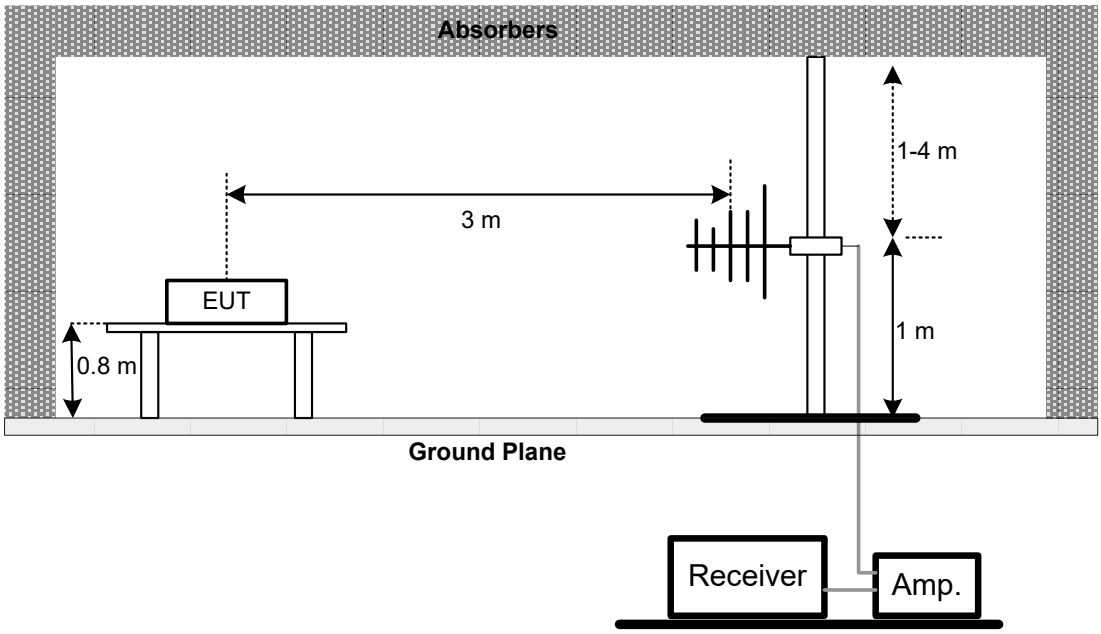
No deviation.

4.4 TEST SETUP

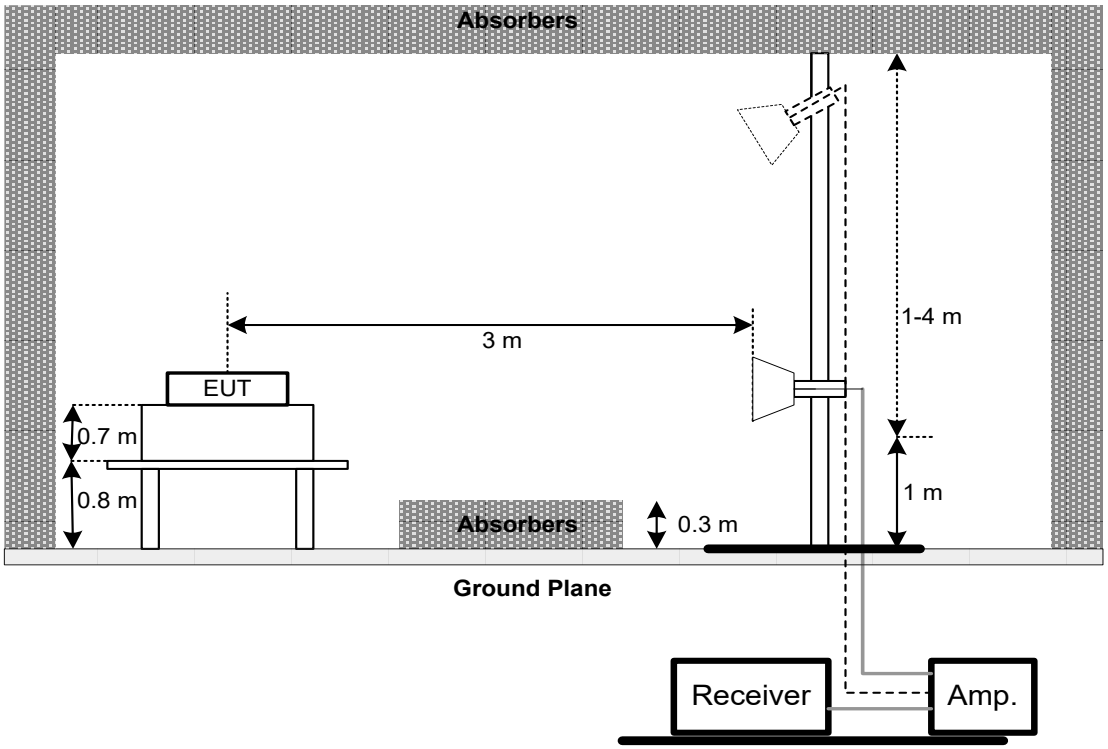
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX C.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX D.

NOTE:

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

5 BANDWIDTH TEST

5.1 LIMIT

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

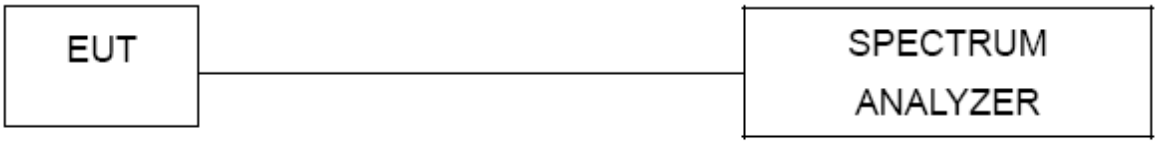
5.2 TEST PROCEDURE

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

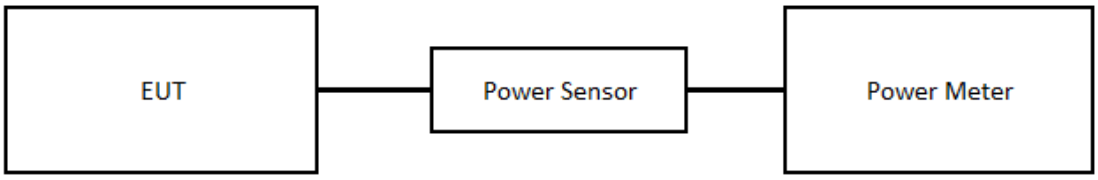
6.2 TEST PROCEDURE

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

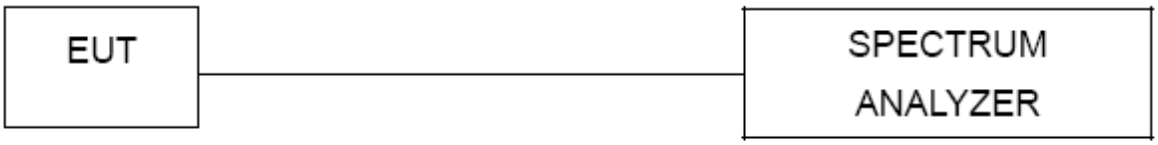
7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW = 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.

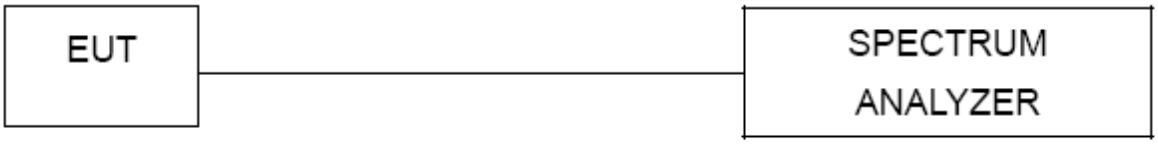
8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
c. 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	2024/9/5	2025/9/4
2	Preamplifier	EMCI	EMC118A45SE	980819	2025/3/5	2026/3/4
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2024/9/4	2025/9/3
4	Preamplifier	EMCI	EMC001340	980579	2024/9/4	2025/9/3
5	Test Cable	EMCI	EMC104-SM-1000	180809	2025/3/5	2026/3/4
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2025/3/5	2026/3/4
7	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2025/3/5	2026/3/4
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2025/2/19	2026/2/18
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2024/9/9	2025/9/8
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	100129	2025/3/27	2026/3/26

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Single Channel Pk Power Meter	Keysight	N1911A	MY63450010	2024/9/16	2025/9/15
2	Peak and Average Power Sensor	Keysight	E9327	MY63310007	2024/9/16	2025/9/15

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2025/3/27	2026/3/26

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2025/3/27	2026/3/26

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

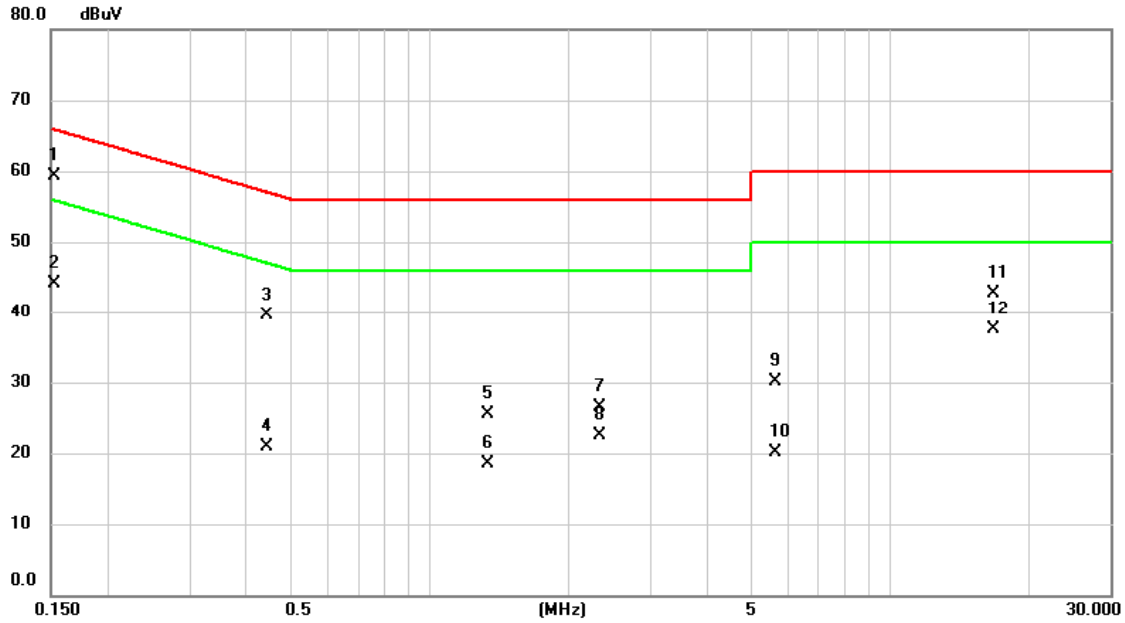
Please refer to document Appendix No.: TP-2507T096-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2507T096-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

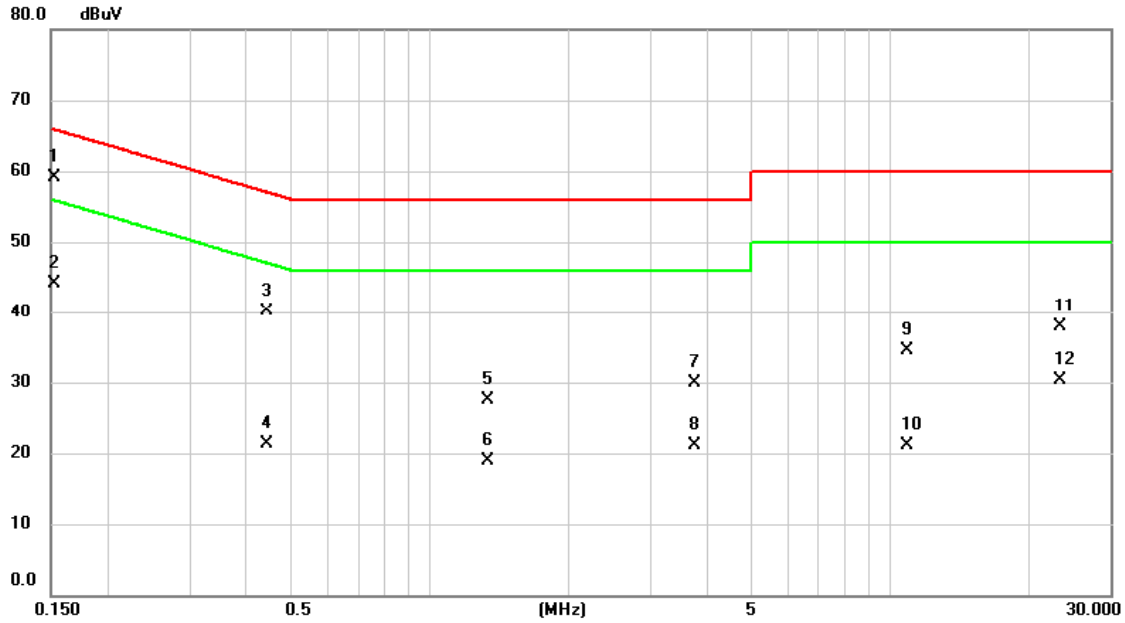
Test Mode	Normal	Tested Date	2025/9/16
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1522	49.64	9.58	59.22	65.88	-6.66	QP	
2		0.1522	34.54	9.58	44.12	55.88	-11.76	AVG	
3		0.4447	30.03	9.54	39.57	56.97	-17.40	QP	
4		0.4447	11.31	9.54	20.85	46.97	-26.12	AVG	
5		1.3358	15.86	9.58	25.44	56.00	-30.56	QP	
6		1.3358	9.02	9.58	18.60	46.00	-27.40	AVG	
7		2.3303	16.96	9.62	26.58	56.00	-29.42	QP	
8		2.3303	12.97	9.62	22.59	46.00	-23.41	AVG	
9		5.6603	20.38	9.78	30.16	60.00	-29.84	QP	
10		5.6603	10.37	9.78	20.15	50.00	-29.85	AVG	
11		16.7775	32.79	9.94	42.73	60.00	-17.27	QP	
12		16.7775	27.53	9.94	37.47	50.00	-12.53	AVG	

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

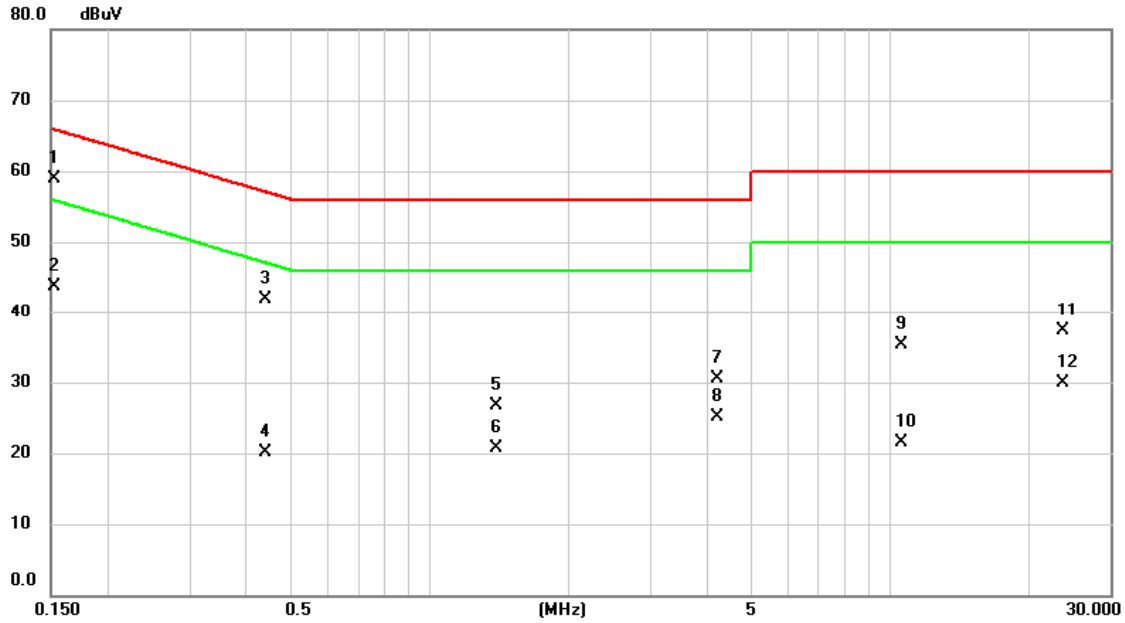
Test Mode	Normal	2025/9/16	2025/9/16
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1522	49.50	9.51	59.01	65.88	-6.87	QP	
2		0.1522	34.63	9.51	44.14	55.88	-11.74	AVG	
3		0.4425	30.63	9.51	40.14	57.01	-16.87	QP	
4		0.4425	11.76	9.51	21.27	47.01	-25.74	AVG	
5		1.3335	17.87	9.56	27.43	56.00	-28.57	QP	
6		1.3335	9.33	9.56	18.89	46.00	-27.11	AVG	
7		3.7478	20.28	9.66	29.94	56.00	-26.06	QP	
8		3.7478	11.52	9.66	21.18	46.00	-24.82	AVG	
9		10.8533	24.65	9.84	34.49	60.00	-25.51	QP	
10		10.8533	11.36	9.84	21.20	50.00	-28.80	AVG	
11		23.2778	27.90	9.98	37.88	60.00	-22.12	QP	
12		23.2778	20.34	9.98	30.32	50.00	-19.68	AVG	

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

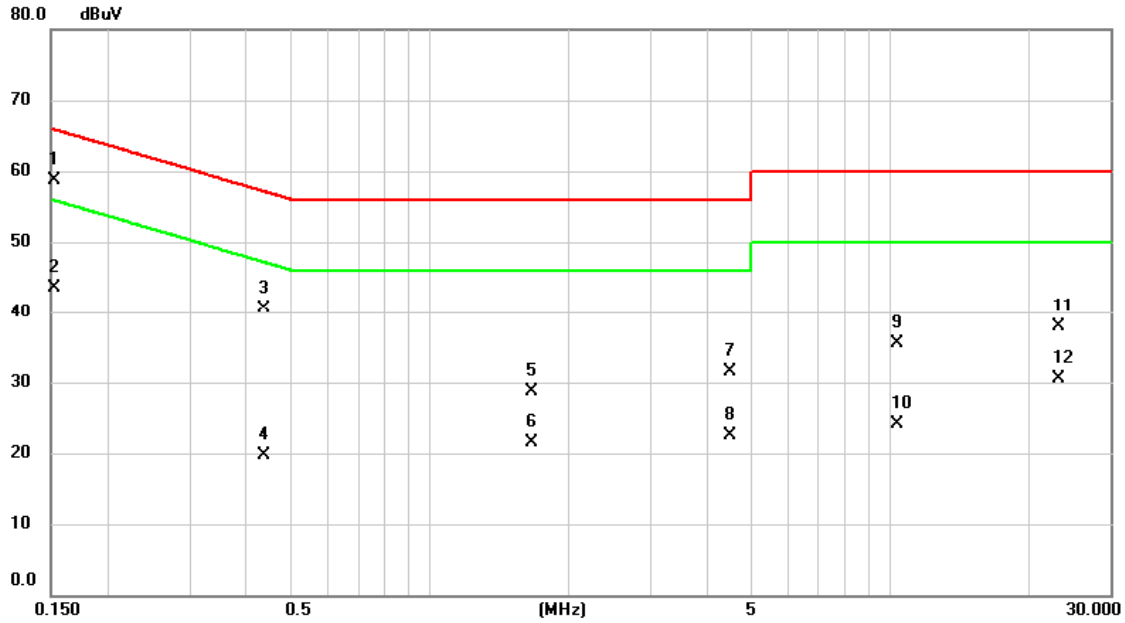
Test Mode	Idle	2025/9/16	2025/9/16
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1522	49.32	9.58	58.90	65.88	-6.98	QP	
2		0.1522	34.09	9.58	43.67	55.88	-12.21	AVG	
3		0.4402	32.34	9.54	41.88	57.06	-15.18	QP	
4		0.4402	10.58	9.54	20.12	47.06	-26.94	AVG	
5		1.3943	17.14	9.58	26.72	56.00	-29.28	QP	
6		1.3943	11.04	9.58	20.62	46.00	-25.38	AVG	
7		4.1910	20.75	9.72	30.47	56.00	-25.53	QP	
8		4.1910	15.35	9.72	25.07	46.00	-20.93	AVG	
9		10.6193	25.45	9.87	35.32	60.00	-24.68	QP	
10		10.6193	11.67	9.87	21.54	50.00	-28.46	AVG	
11		23.6288	27.30	9.92	37.22	60.00	-22.78	QP	
12		23.6288	19.96	9.92	29.88	50.00	-20.12	AVG	

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

Test Mode	Idle	2025/9/16	2025/9/16
Test Frequency	-	Phase	Neutral

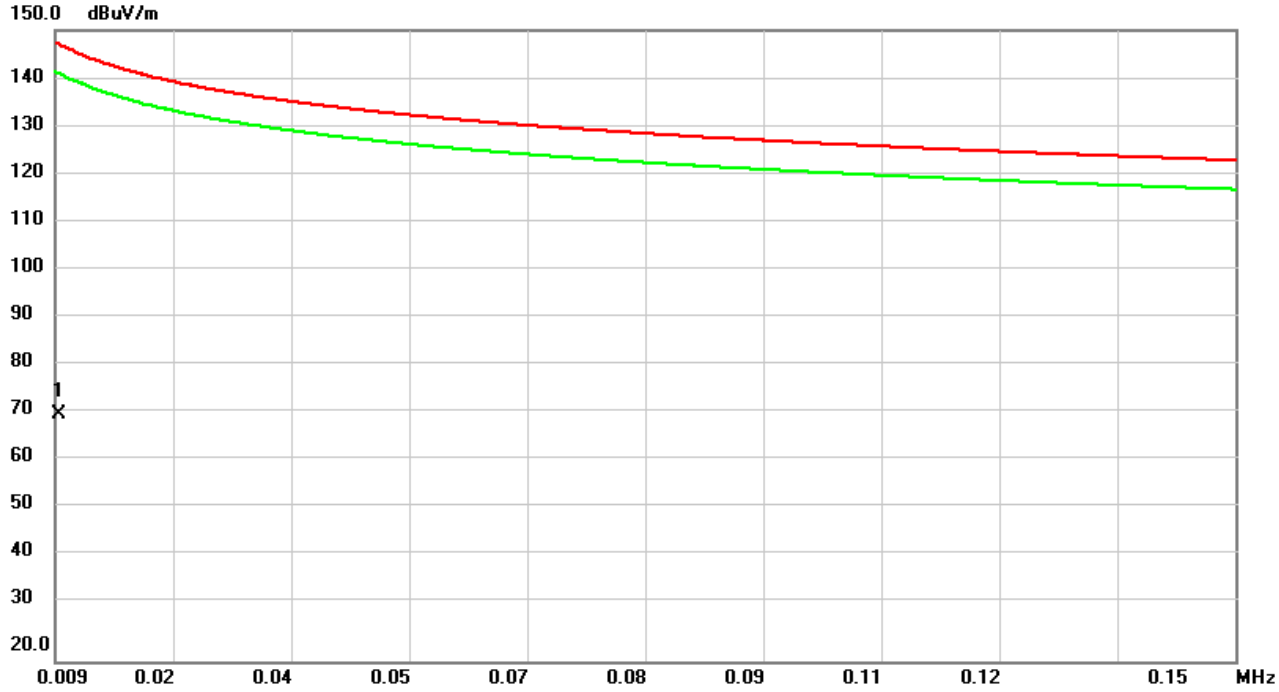


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1522	49.21	9.51	58.72	65.88	-7.16	QP	
2		0.1522	34.09	9.51	43.60	55.88	-12.28	AVG	
3		0.4380	31.09	9.51	40.60	57.10	-16.50	QP	
4		0.4380	10.16	9.51	19.67	47.10	-27.43	AVG	
5		1.6575	19.13	9.57	28.70	56.00	-27.30	QP	
6		1.6575	11.90	9.57	21.47	46.00	-24.53	AVG	
7		4.4565	21.71	9.70	31.41	56.00	-24.59	QP	
8		4.4565	12.73	9.70	22.43	46.00	-23.57	AVG	
9		10.3943	25.74	9.82	35.56	60.00	-24.44	QP	
10		10.3943	14.24	9.82	24.06	50.00	-25.94	AVG	
11		23.1044	28.02	9.98	38.00	60.00	-22.00	QP	
12		23.1044	20.56	9.98	30.54	50.00	-19.46	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

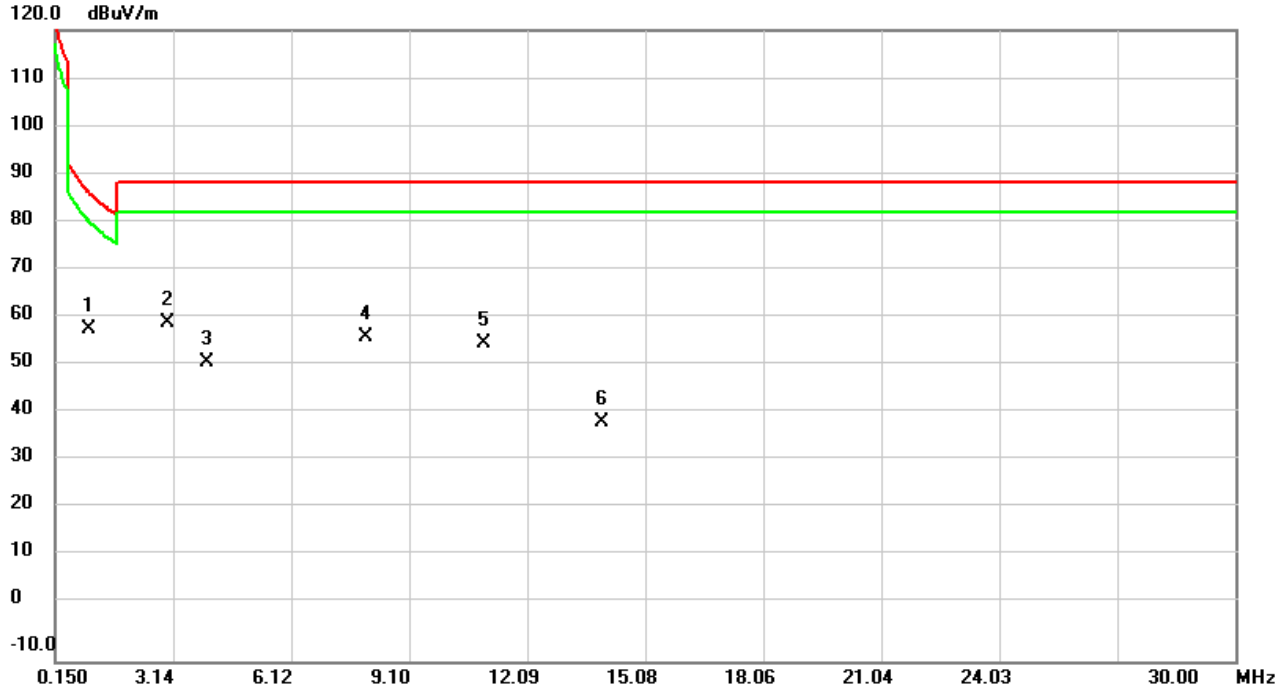
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0095	35.14	35.85	70.99	147.13	-76.14	AVG	

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

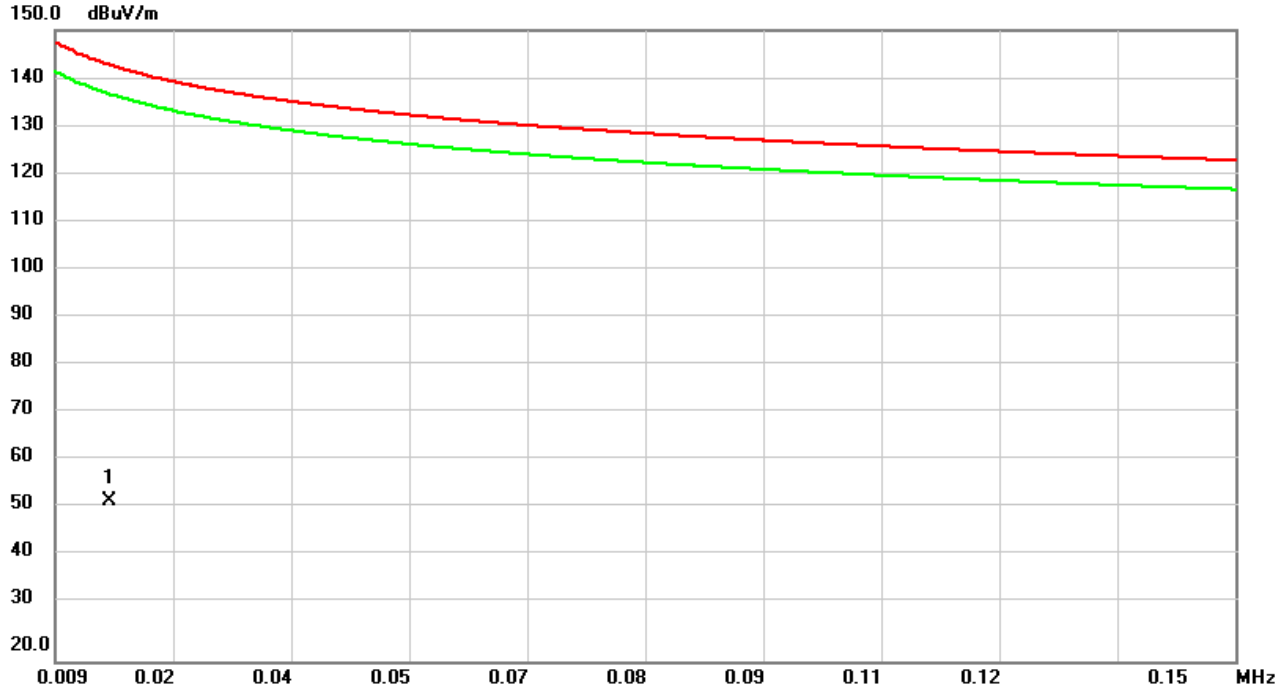
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.9997	58.33	0.23	58.56	86.68	-28.12	QP	
2		2.9996	63.57	-3.75	59.82	88.62	-28.80	QP	
3		3.9996	55.81	-4.06	51.75	88.62	-36.87	QP	
4		7.9995	60.27	-3.54	56.73	88.62	-31.89	QP	
5		10.9994	58.43	-3.07	55.36	88.62	-33.26	QP	
6		13.9994	42.59	-3.36	39.23	88.62	-49.39	QP	

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

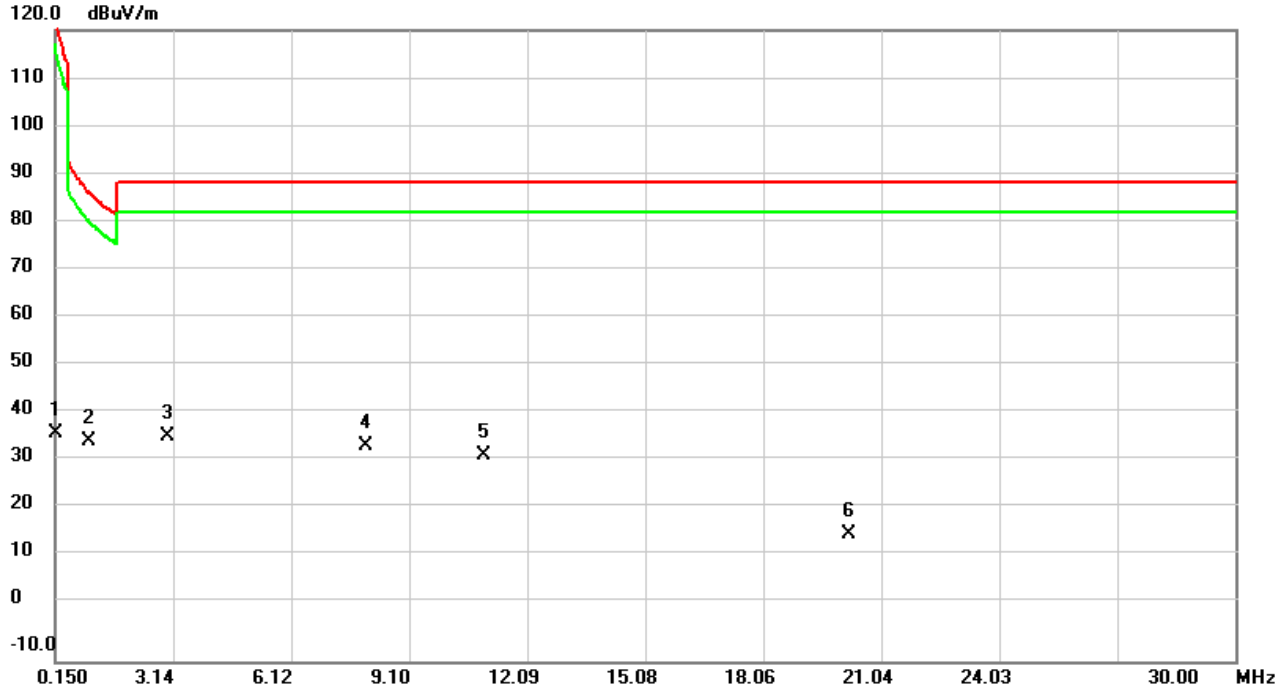
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0154	19.44	33.68	53.12	142.93	-89.81	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%

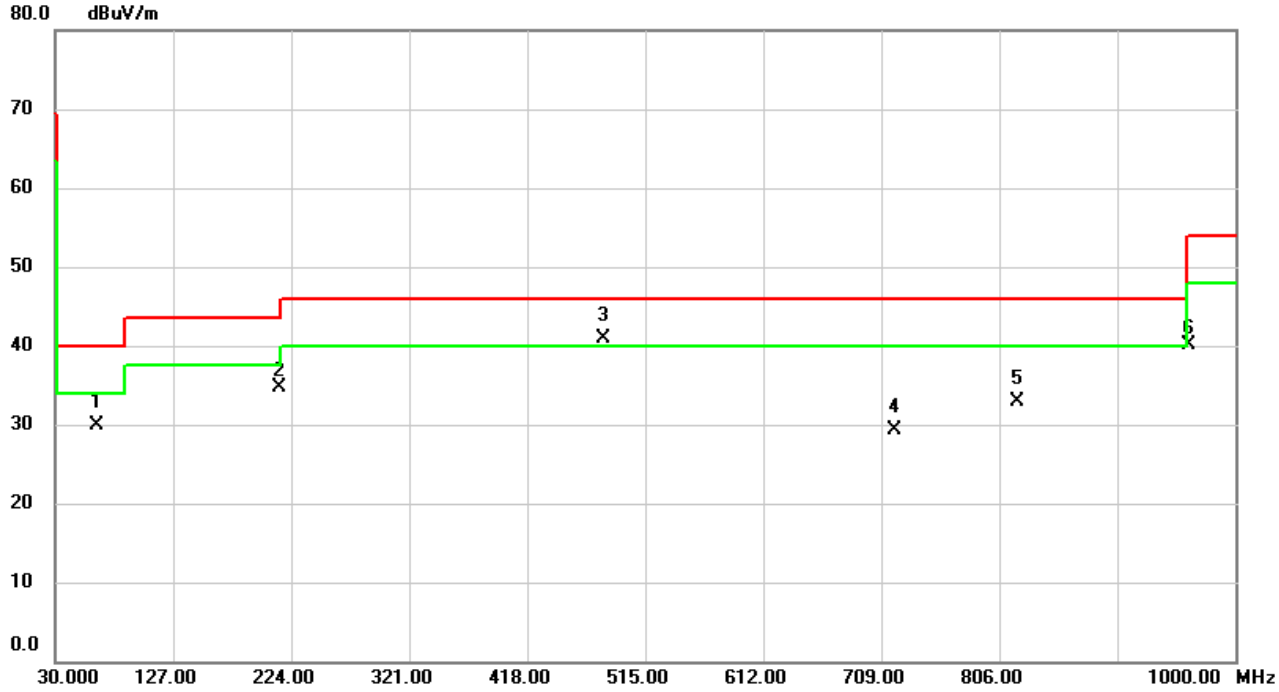


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	23.10	13.97	37.07	123.16	-86.09	AVG	
2	*	0.9997	34.99	0.23	35.22	86.68	-51.46	QP	
3		2.9996	40.07	-3.75	36.32	88.62	-52.30	QP	
4		8.0004	37.97	-3.54	34.43	88.62	-54.19	QP	
5		11.0004	35.50	-3.07	32.43	88.62	-56.19	QP	
6		20.2161	19.94	-3.88	16.06	88.62	-72.56	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

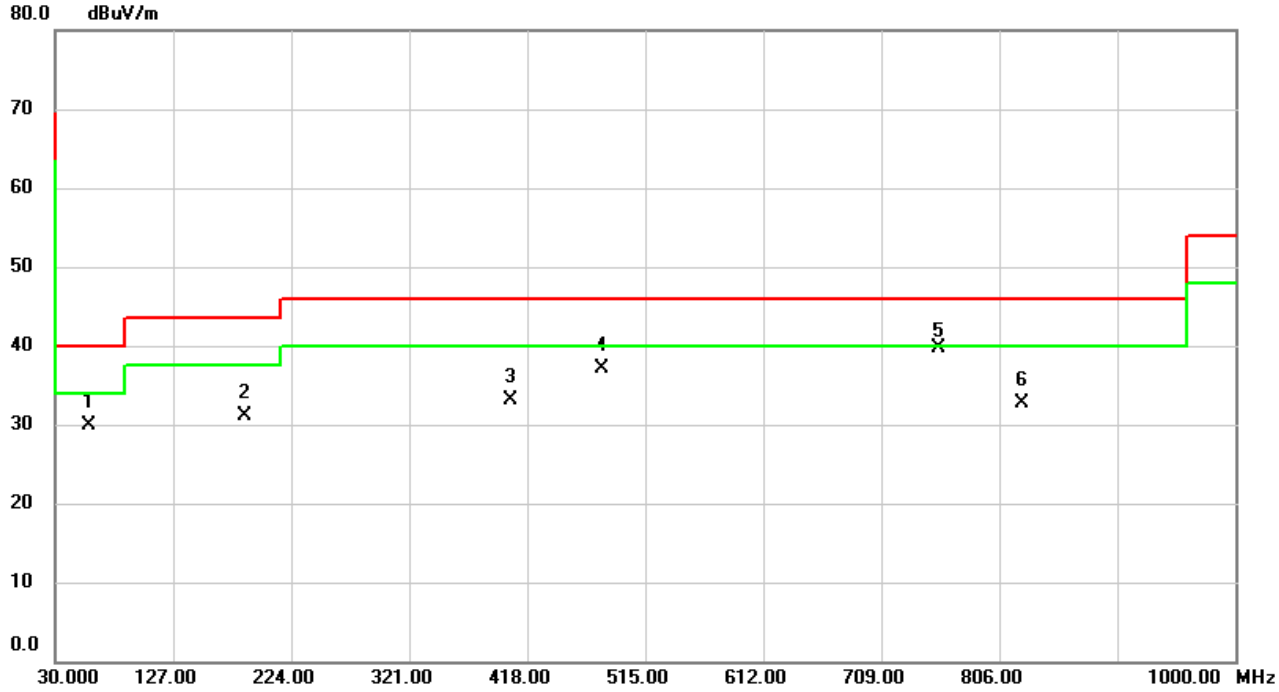
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		64.6613	43.15	-13.16	29.99	40.00	-10.01	QP	
2		214.8173	49.98	-15.18	34.80	43.50	-8.70	peak	
3	*	480.0800	47.57	-6.58	40.99	46.00	-5.01	QP	
4		719.6700	31.26	-2.00	29.26	46.00	-16.74	QP	
5		820.3883	33.42	-0.57	32.85	46.00	-13.15	QP	
6		961.3293	38.48	1.61	40.09	54.00	-13.91	peak	

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

Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%

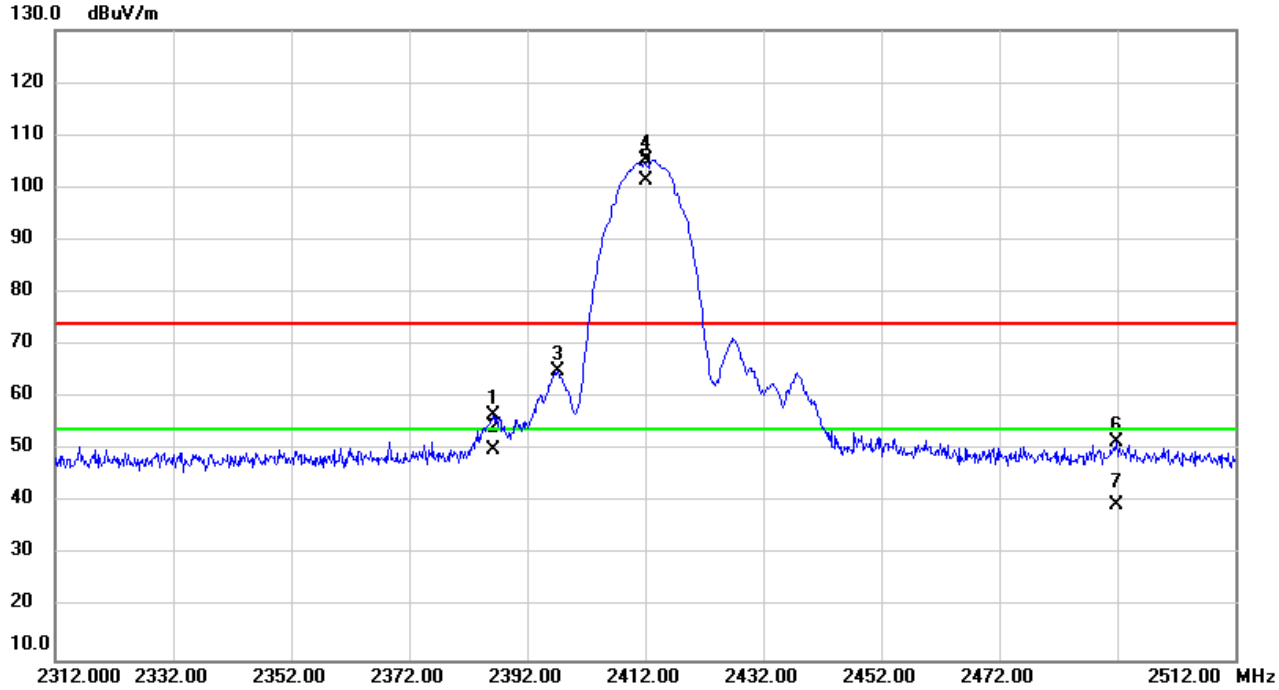


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		57.7096	41.96	-12.05	29.91	40.00	-10.09	QP	
2		186.3640	45.03	-13.90	31.13	43.50	-12.37	QP	
3		404.4846	41.69	-8.58	33.11	46.00	-12.89	QP	
4		480.0476	43.78	-6.58	37.20	46.00	-8.80	QP	
5	*	755.7540	41.07	-1.29	39.78	46.00	-6.22	peak	
6		824.1390	33.23	-0.51	32.72	46.00	-13.28	QP	

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

APPENDIX D RADIATED EMISSIONS - ABOVE 1 GHZ

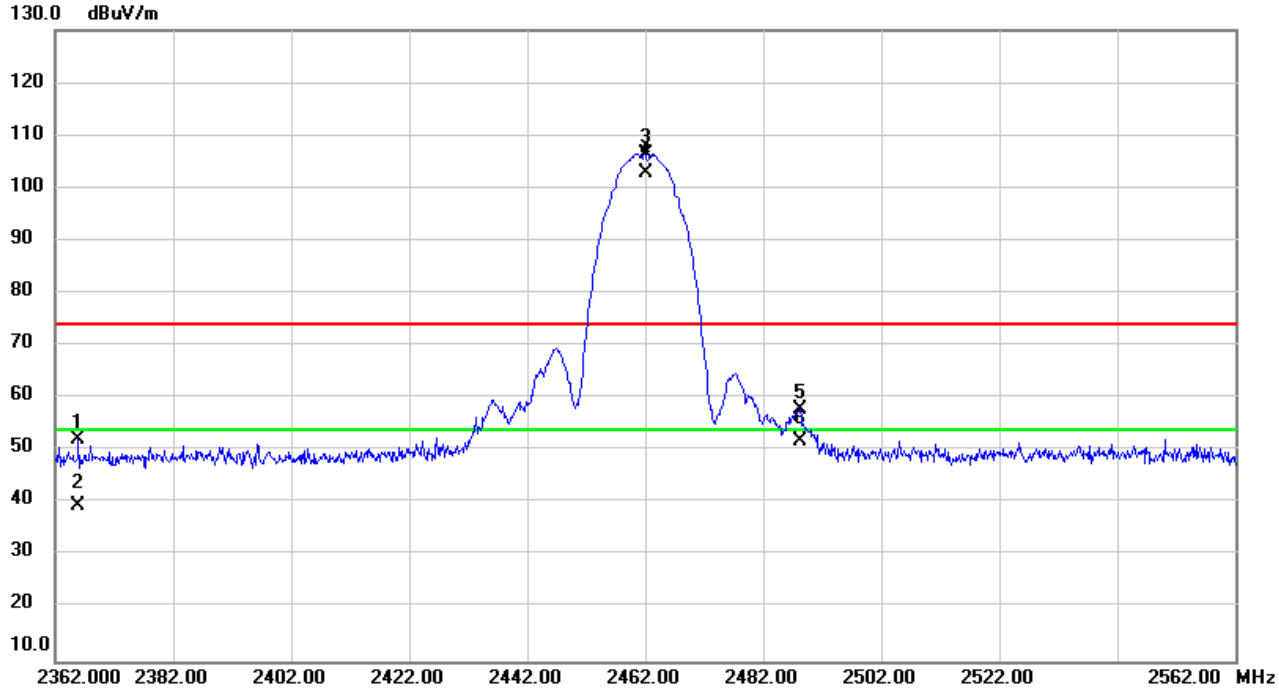
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.260	60.84	-4.23	56.61	74.00	-17.39	peak	
2		2386.260	54.26	-4.23	50.03	54.00	-3.97	AVG	
3		2397.320	69.19	-4.21	64.98	74.00	-9.02	peak	NoLimit
4	X	2412.000	109.37	-4.19	105.18	74.00	31.18	peak	NoLimit
5	*	2412.000	105.60	-4.19	101.41	54.00	47.41	AVG	NoLimit
6		2491.793	55.72	-4.05	51.67	74.00	-22.33	peak	
7		2491.793	43.73	-4.05	39.68	54.00	-14.32	AVG	

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

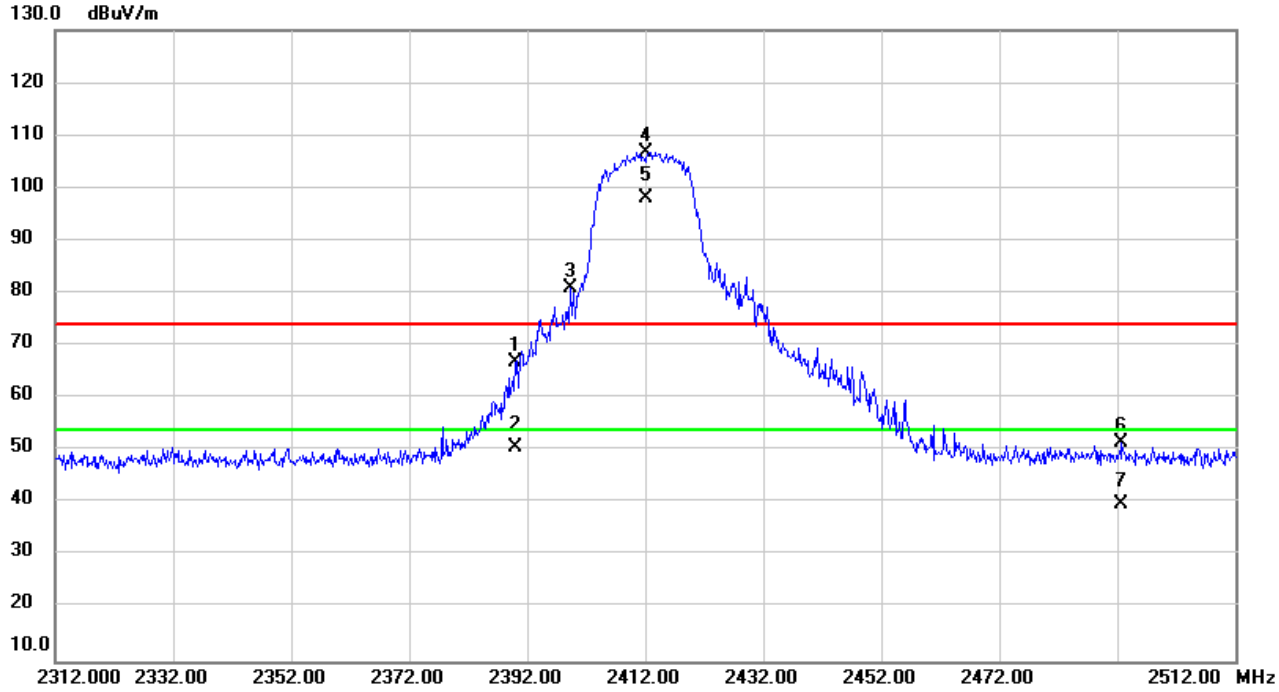
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2365.887	56.54	-4.27	52.27	74.00	-21.73	peak	
2		2365.887	43.96	-4.27	39.69	54.00	-14.31	AVG	
3	X	2462.000	110.66	-4.10	106.56	74.00	32.56	peak	NoLimit
4	*	2462.000	106.96	-4.10	102.86	54.00	48.86	AVG	NoLimit
5		2488.240	61.84	-4.05	57.79	74.00	-16.21	peak	
6		2488.240	55.84	-4.05	51.79	54.00	-2.21	AVG	

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

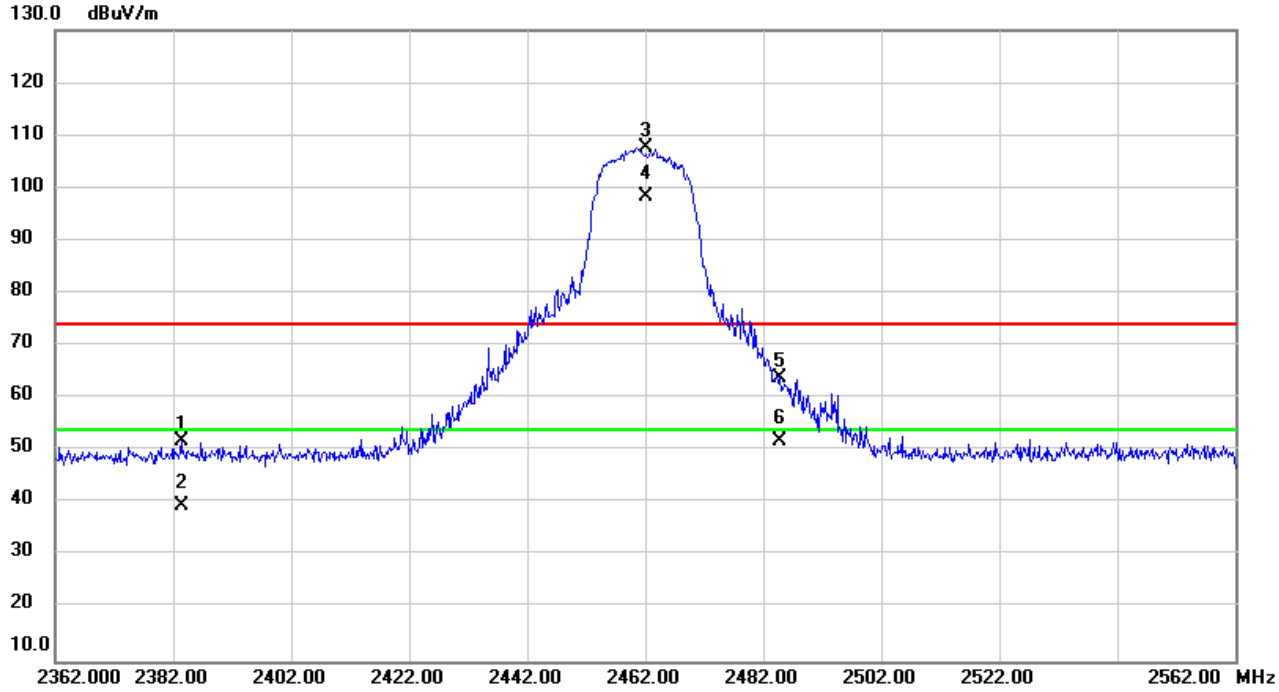
Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	71.19	-4.22	66.97	74.00	-7.03	peak	
2		2390.000	54.79	-4.22	50.57	54.00	-3.43	AVG	
3	X	2399.407	85.02	-4.20	80.82	74.00	6.82	peak	NoLimit
4	X	2412.000	111.06	-4.19	106.87	74.00	32.87	peak	NoLimit
5	*	2412.000	102.24	-4.19	98.05	54.00	44.05	AVG	NoLimit
6		2492.673	55.46	-4.04	51.42	74.00	-22.58	peak	
7		2492.673	43.75	-4.04	39.71	54.00	-14.29	AVG	

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

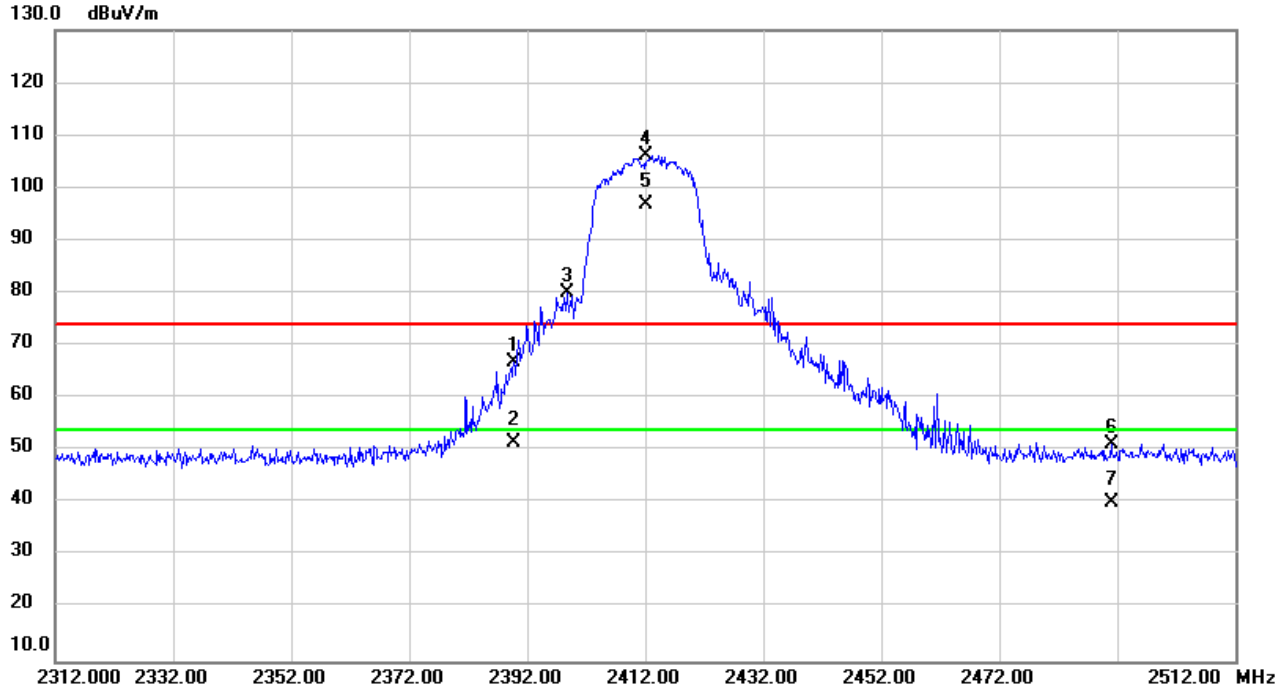
Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.367	56.06	-4.23	51.83	74.00	-22.17	peak	
2		2383.367	43.81	-4.23	39.58	54.00	-14.42	AVG	
3	X	2462.000	111.65	-4.10	107.55	74.00	33.55	peak	NoLimit
4	*	2462.000	102.41	-4.10	98.31	54.00	44.31	AVG	NoLimit
5		2484.807	67.97	-4.06	63.91	74.00	-10.09	peak	
6		2484.807	55.81	-4.06	51.75	54.00	-2.25	AVG	

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

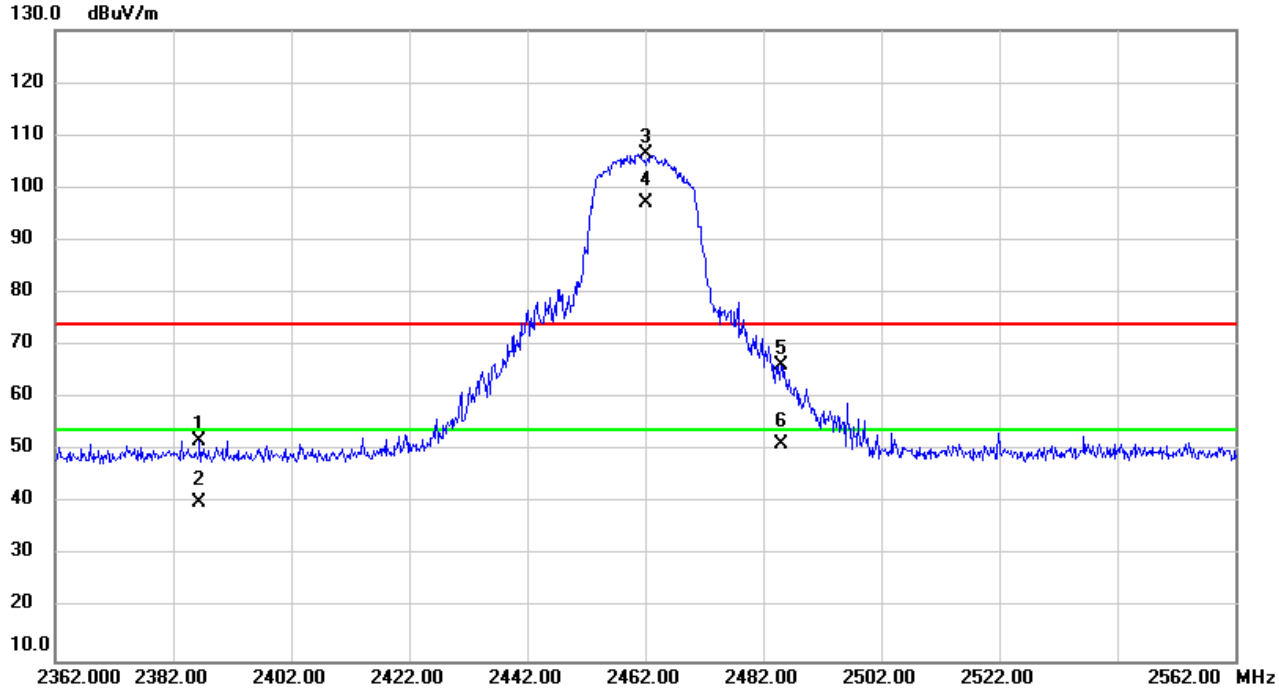
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.773	71.12	-4.22	66.90	74.00	-7.10	peak	
2		2389.773	55.69	-4.22	51.47	54.00	-2.53	AVG	
3	X	2398.767	84.38	-4.20	80.18	74.00	6.18	peak	NoLimit
4	X	2412.000	110.48	-4.19	106.29	74.00	32.29	peak	NoLimit
5	*	2412.000	101.14	-4.19	96.95	54.00	42.95	AVG	NoLimit
6		2490.940	55.29	-4.05	51.24	74.00	-22.76	peak	
7		2490.940	44.16	-4.05	40.11	54.00	-13.89	AVG	

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

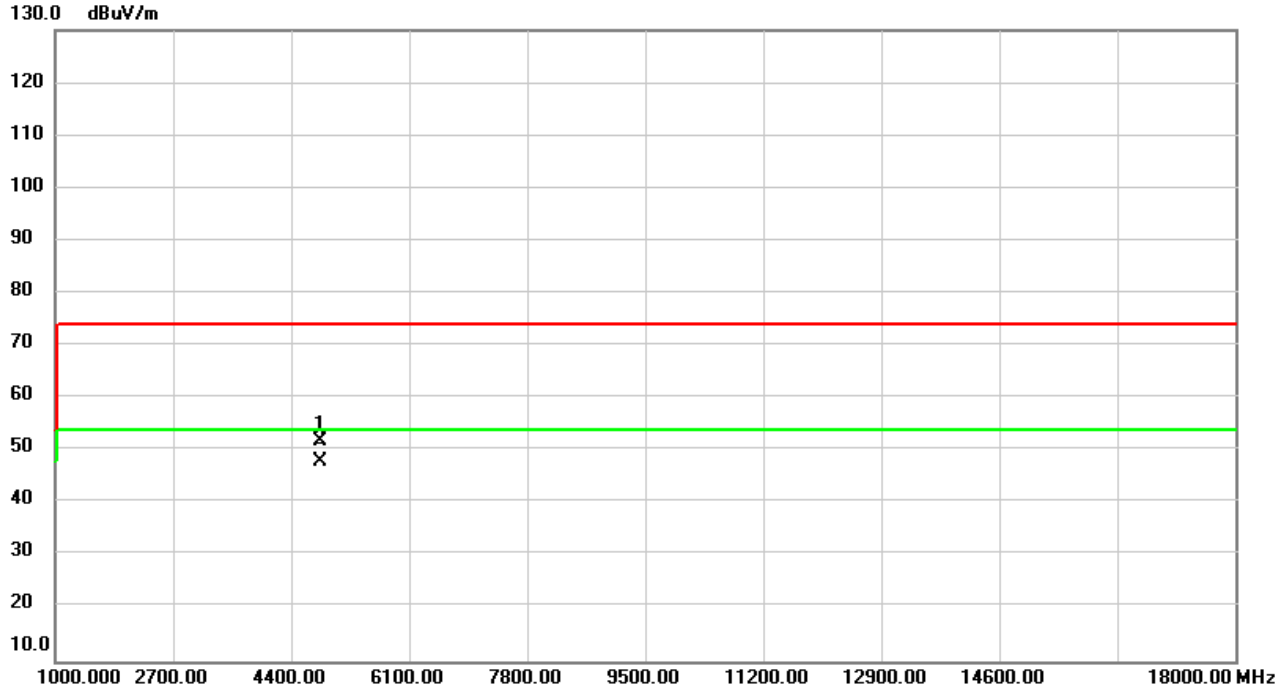
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.480	56.14	-4.23	51.91	74.00	-22.09	peak	
2		2386.480	44.32	-4.23	40.09	54.00	-13.91	AVG	
3	X	2462.000	110.53	-4.10	106.43	74.00	32.43	peak	NoLimit
4	*	2462.000	101.15	-4.10	97.05	54.00	43.05	AVG	NoLimit
5		2485.047	70.29	-4.06	66.23	74.00	-7.77	peak	
6		2485.047	55.41	-4.06	51.35	54.00	-2.65	AVG	

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

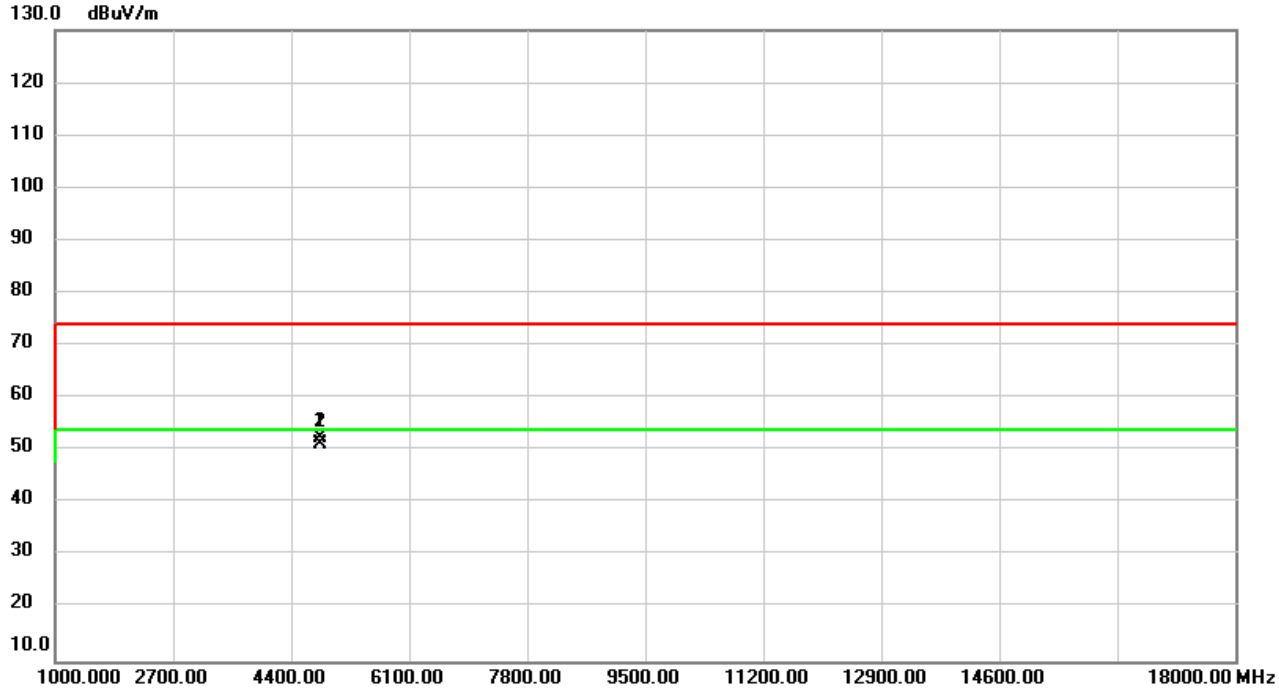
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	49.46	2.33	51.79	74.00	-22.21	peak	
2	*	4824.000	45.70	2.33	48.03	54.00	-5.97	AVG	

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

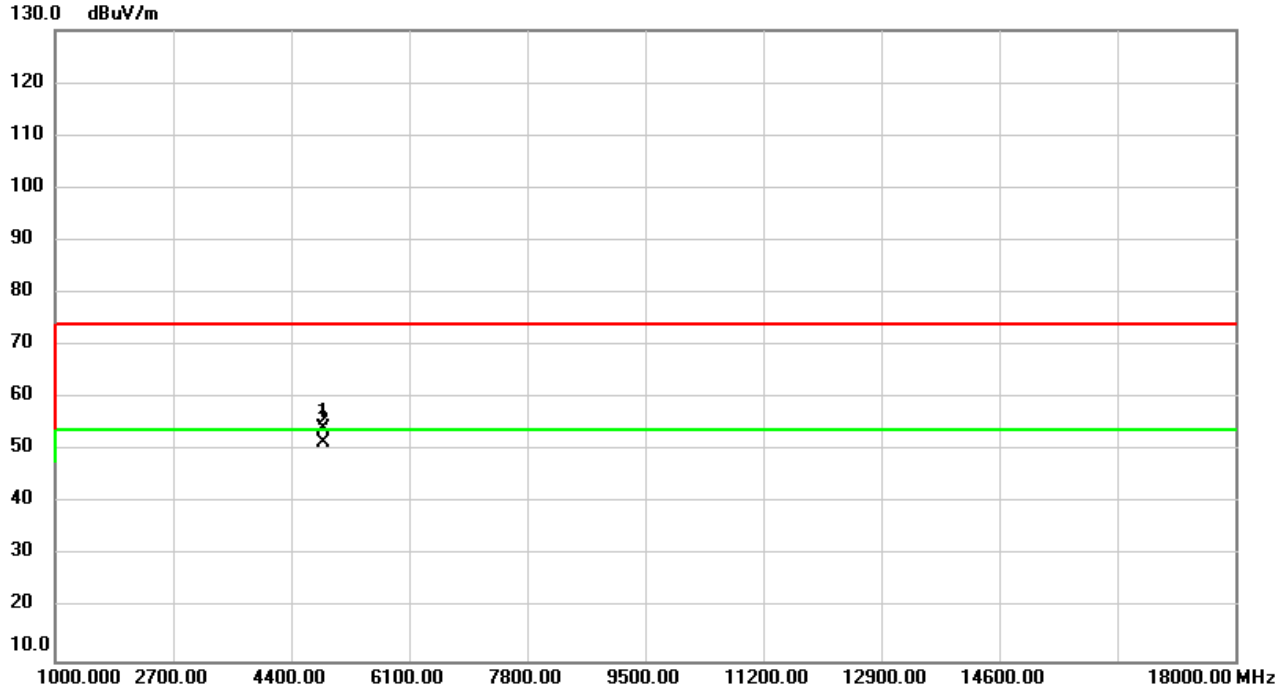
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	50.27	2.33	52.60	74.00	-21.40	peak	
2	*	4824.000	48.88	2.33	51.21	54.00	-2.79	AVG	

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

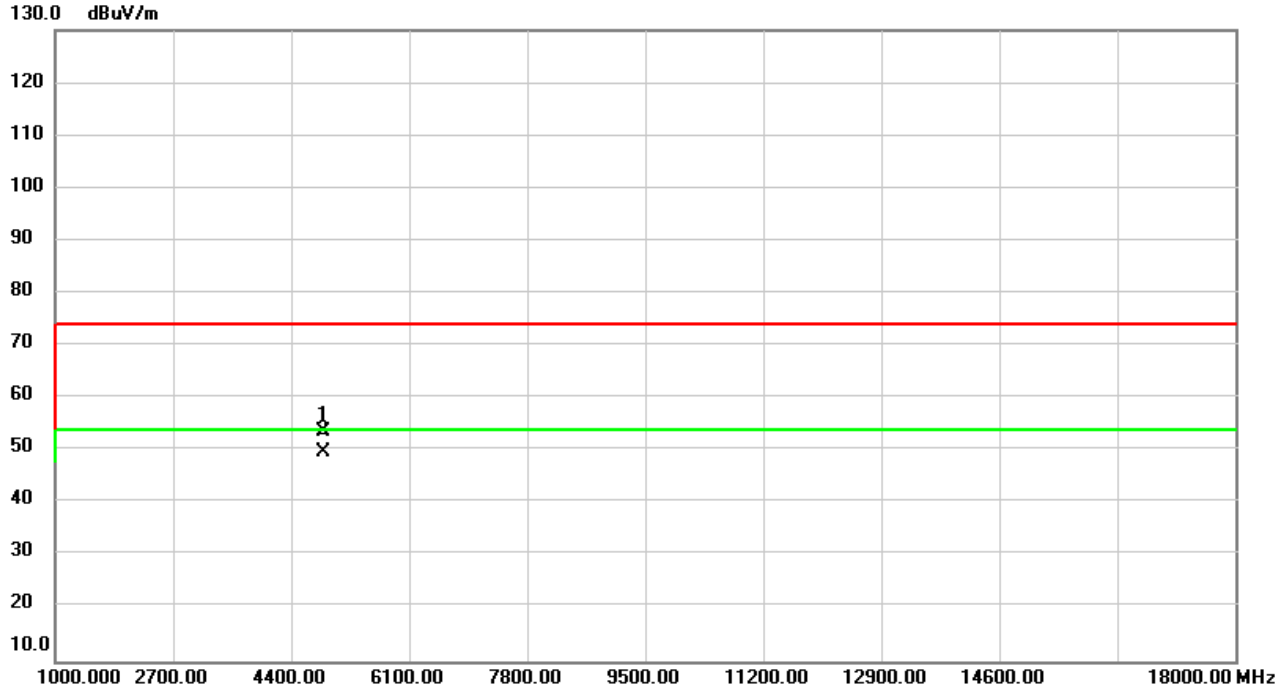
Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2437MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	51.79	2.47	54.26	74.00	-19.74	peak	
2	*	4874.000	48.96	2.47	51.43	54.00	-2.57	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2437MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	51.12	2.47	53.59	74.00	-20.41	peak	
2	*	4874.000	47.33	2.47	49.80	54.00	-4.20	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	51.59	2.61	54.20	74.00	-19.80	peak	
2	*	4924.000	49.17	2.61	51.78	54.00	-2.22	AVG	

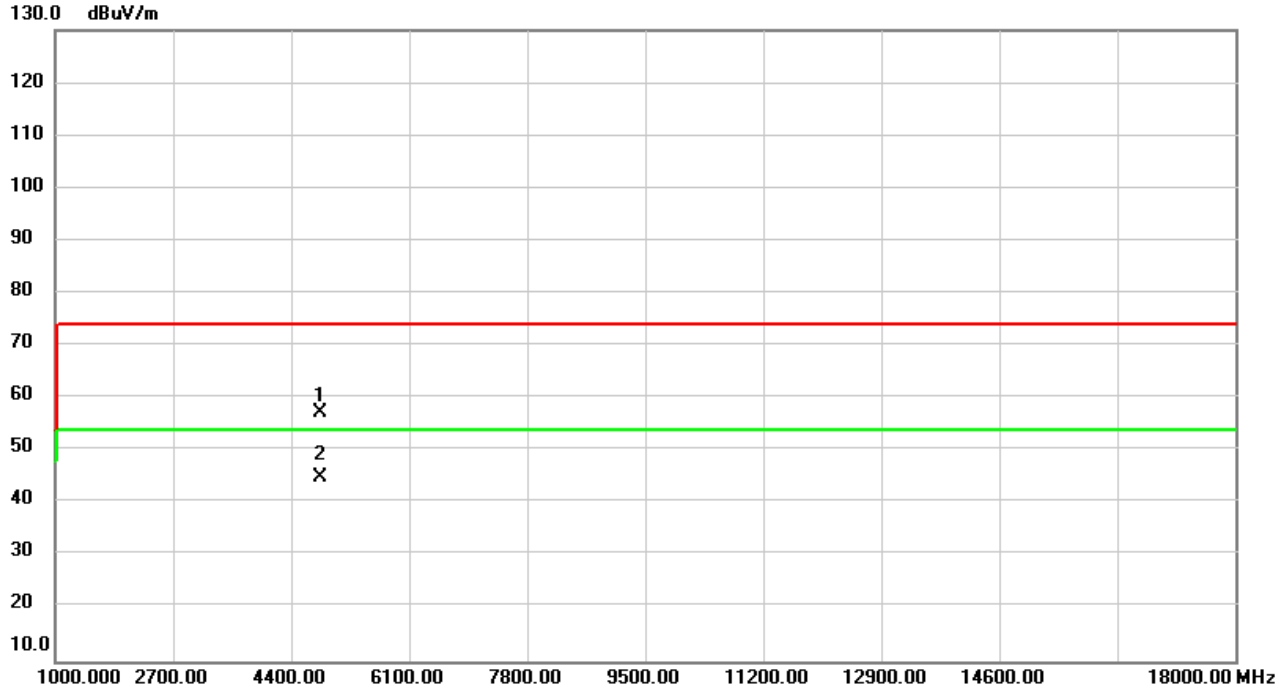
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11b	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	51.30	2.61	53.91	74.00	-20.09	peak	
2	*	4924.000	48.43	2.61	51.04	54.00	-2.96	AVG	

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

Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.80	2.33	57.13	74.00	-16.87	peak	
2	*	4824.000	42.66	2.33	44.99	54.00	-9.01	AVG	

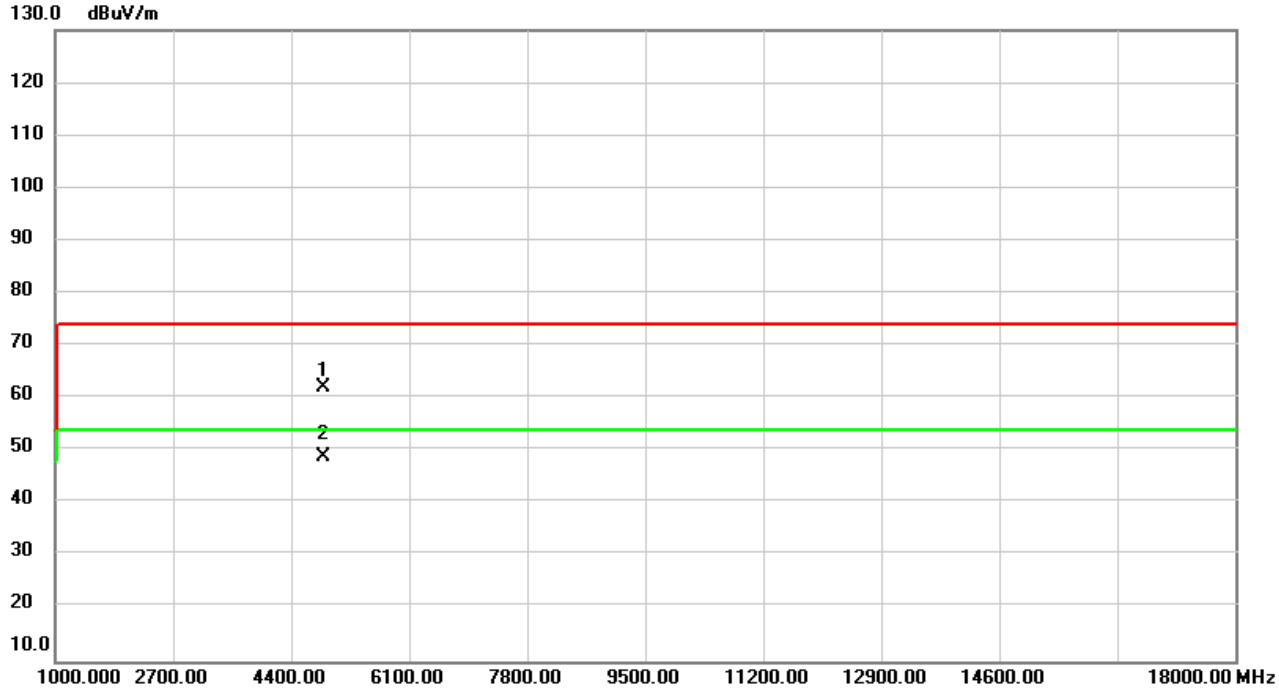
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.94	2.33	56.27	74.00	-17.73	peak	
2	*	4824.000	42.97	2.33	45.30	54.00	-8.70	AVG	

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

Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2437MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	59.58	2.47	62.05	74.00	-11.95	peak	
2	*	4874.000	46.51	2.47	48.98	54.00	-5.02	AVG	

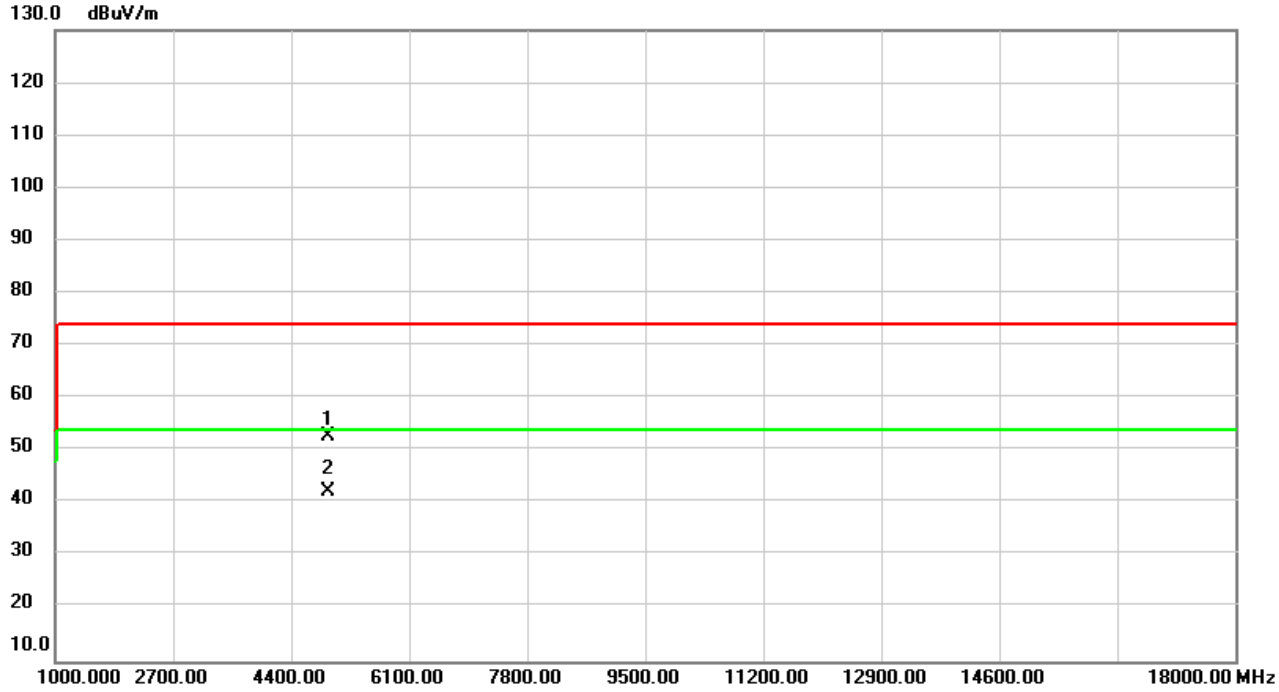
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2437MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.44	2.47	55.91	74.00	-18.09	peak	
2	*	4874.000	41.78	2.47	44.25	54.00	-9.75	AVG	

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

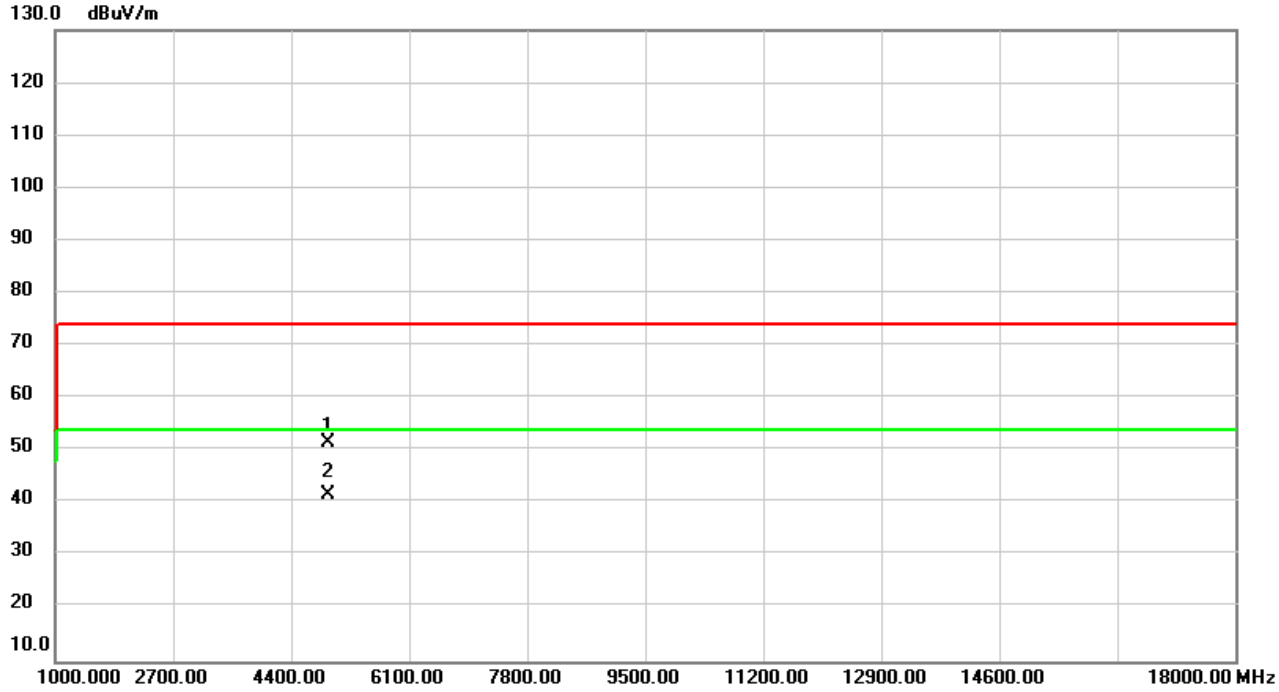
Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	50.13	2.61	52.74	74.00	-21.26	peak	
2	*	4924.000	39.77	2.61	42.38	54.00	-11.62	AVG	

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

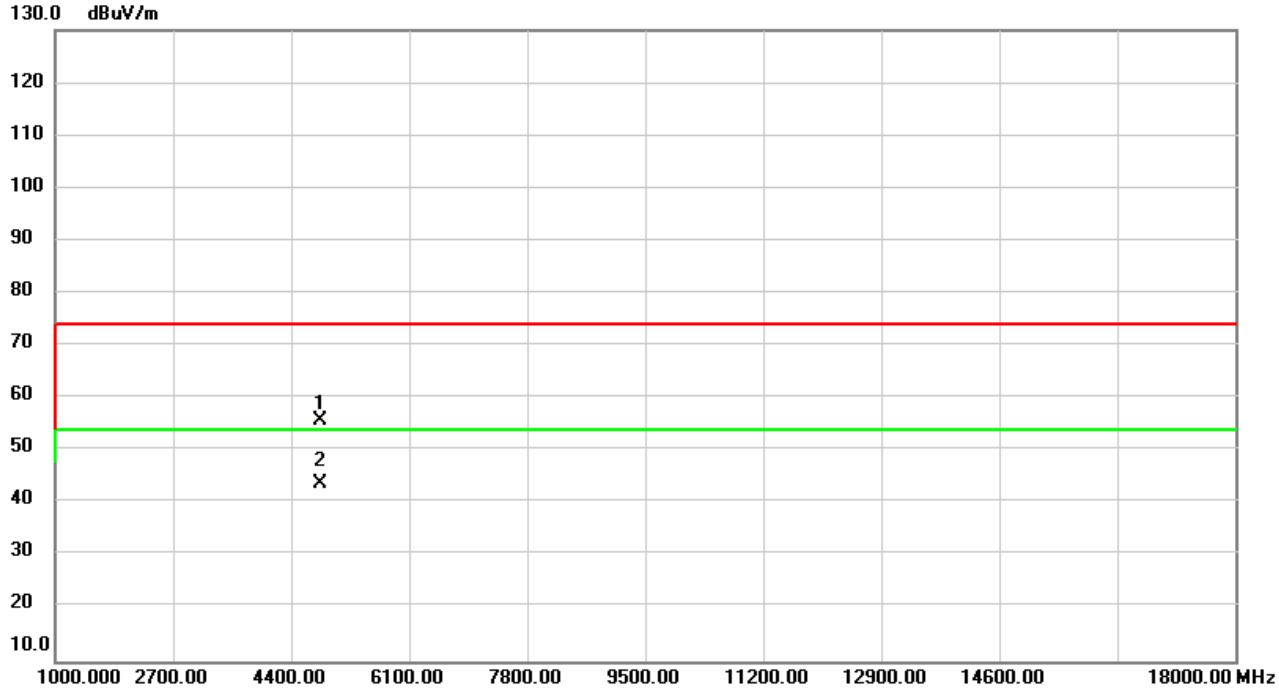
Test Mode	IEEE 802.11g	Test Date	2025/8/7
Test Frequency	2462MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	49.03	2.61	51.64	74.00	-22.36	peak	
2	*	4924.000	38.97	2.61	41.58	54.00	-12.42	AVG	

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

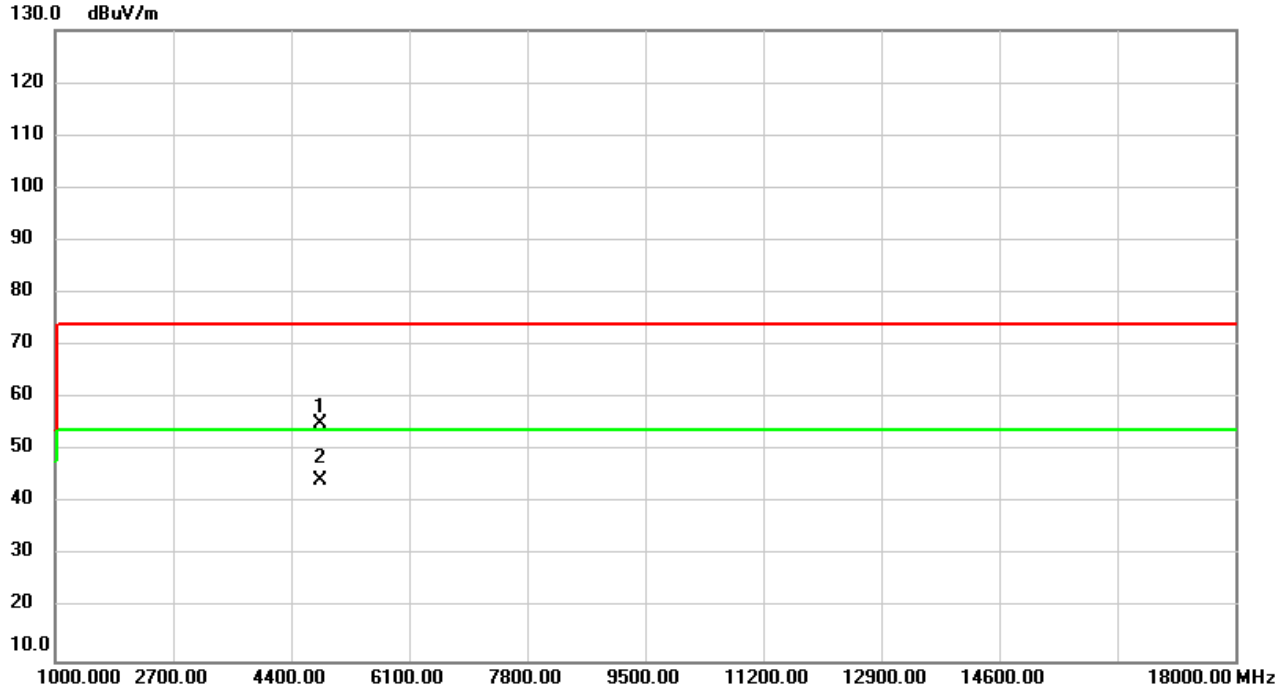
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.57	2.33	55.90	74.00	-18.10	peak	
2	*	4824.000	41.50	2.33	43.83	54.00	-10.17	AVG	

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

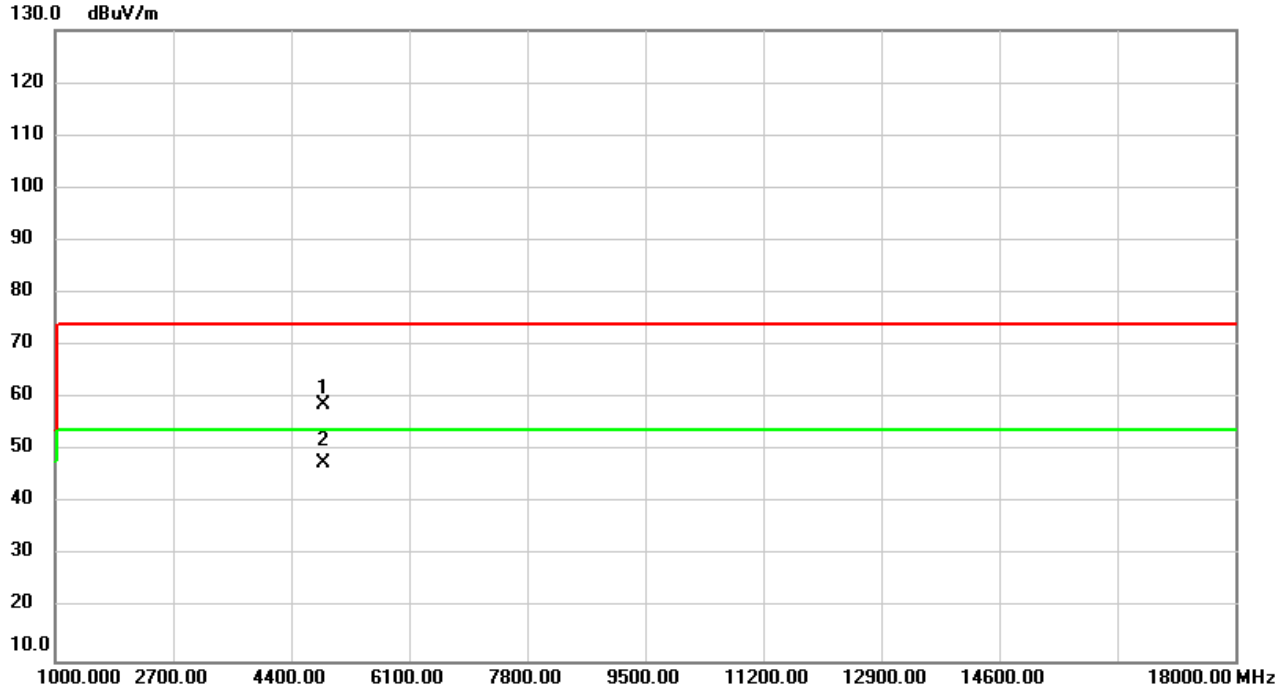
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/7
Test Frequency	2412MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.85	2.33	55.18	74.00	-18.82	peak	
2	*	4824.000	41.89	2.33	44.22	54.00	-9.78	AVG	

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

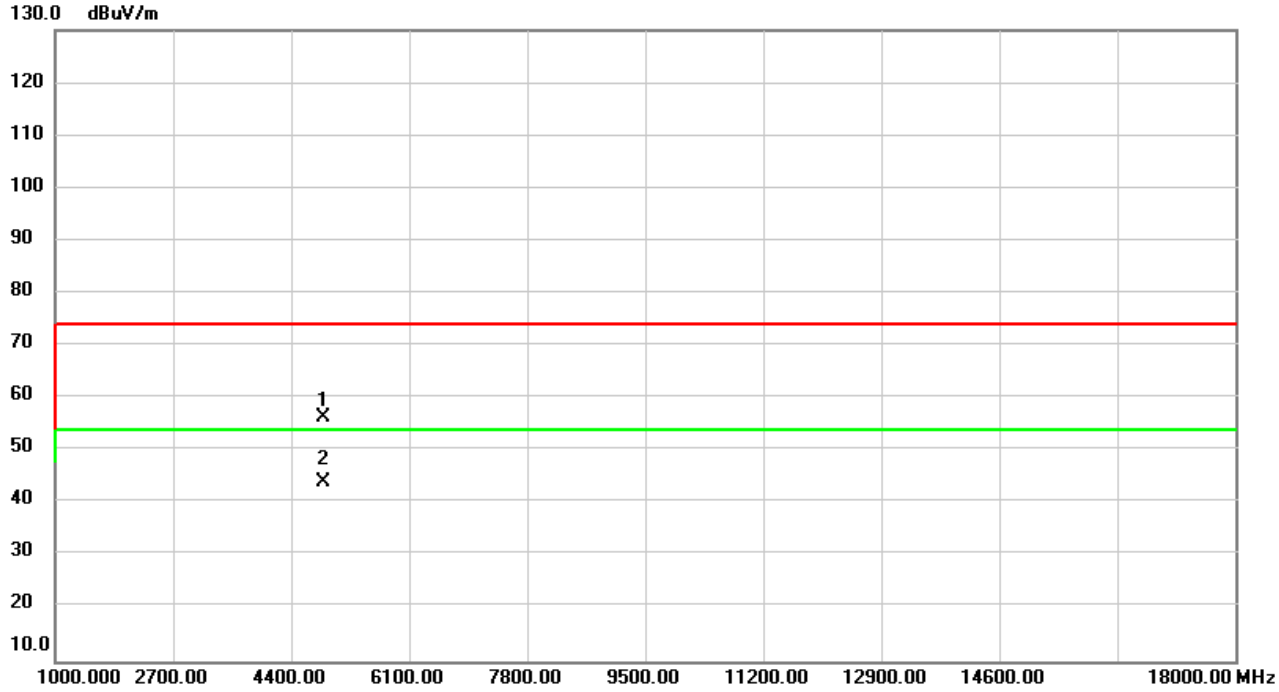
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/7
Test Frequency	2437MHz	Polarization	Vertical
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	56.26	2.47	58.73	74.00	-15.27	peak	
2	*	4874.000	45.23	2.47	47.70	54.00	-6.30	AVG	

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

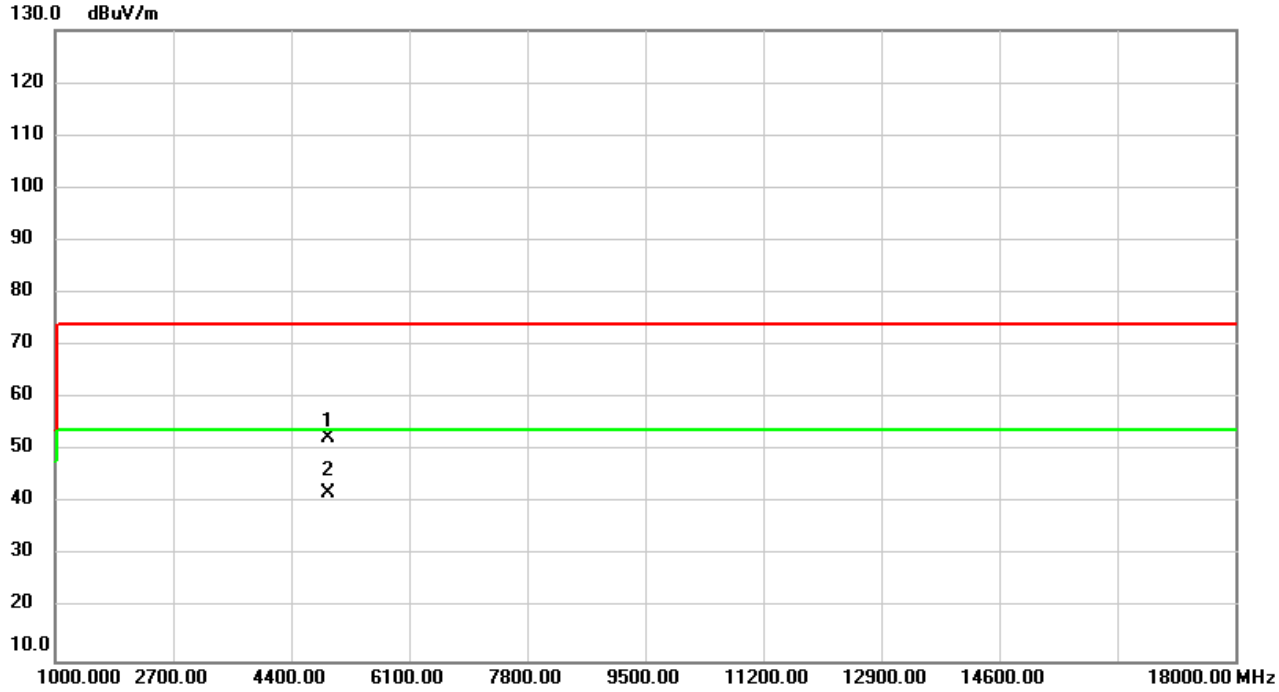
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/7
Test Frequency	2437MHz	Polarization	Horizontal
Temp	28°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.98	2.47	56.45	74.00	-17.55	peak	
2	*	4874.000	41.69	2.47	44.16	54.00	-9.84	AVG	

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

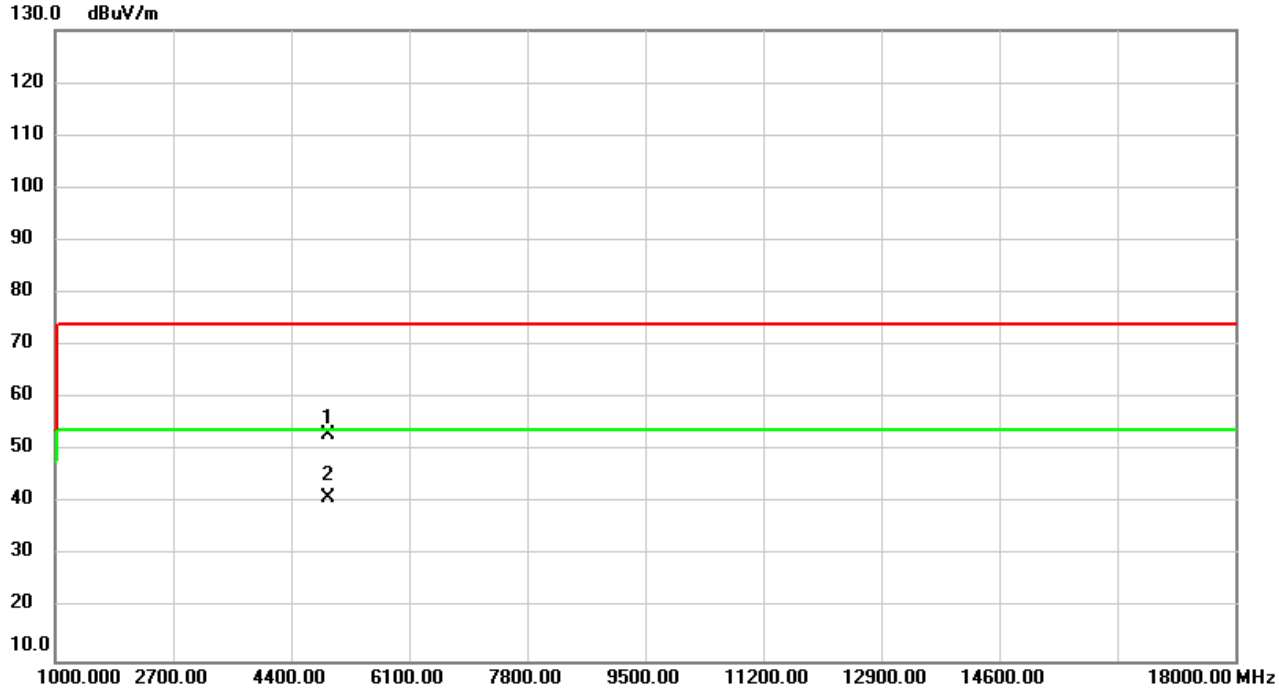
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/8
Test Frequency	2462MHz	Polarization	Vertical
Temp	26°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	49.77	2.61	52.38	74.00	-21.62	peak	
2	*	4924.000	39.36	2.61	41.97	54.00	-12.03	AVG	

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

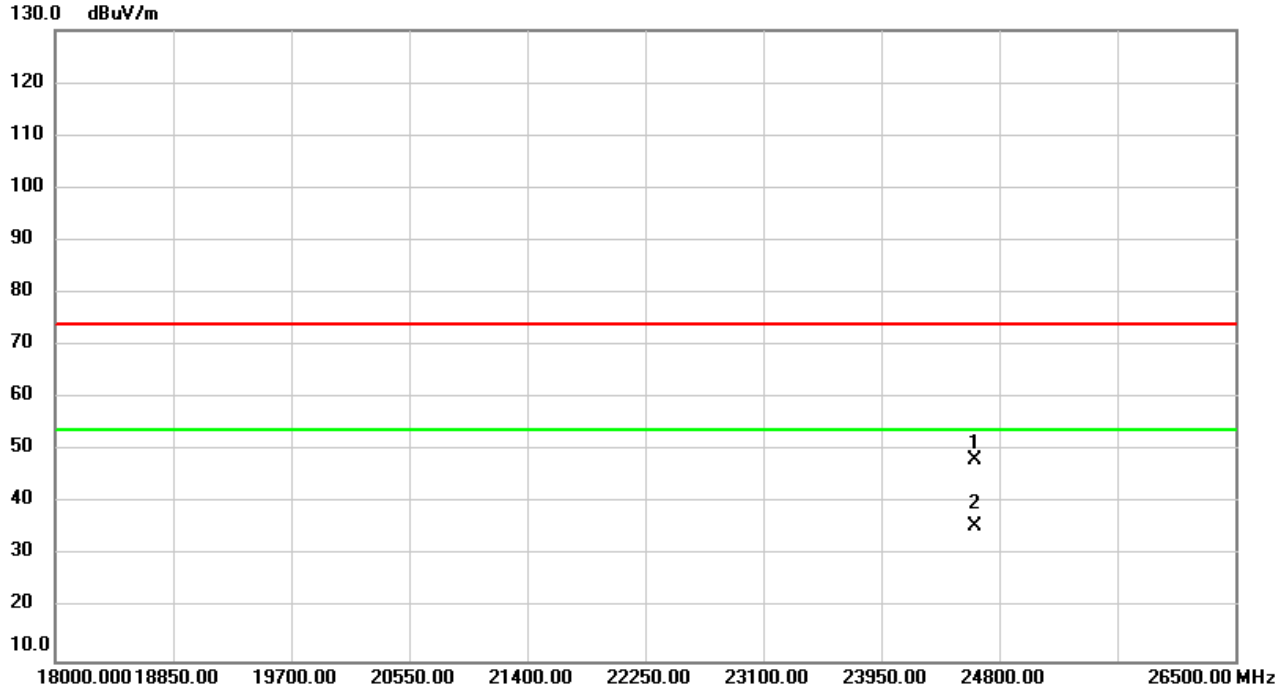
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/8/8
Test Frequency	2462MHz	Polarization	Horizontal
Temp	26°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	50.55	2.61	53.16	74.00	-20.84	peak	
2	*	4924.000	38.32	2.61	40.93	54.00	-13.07	AVG	

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

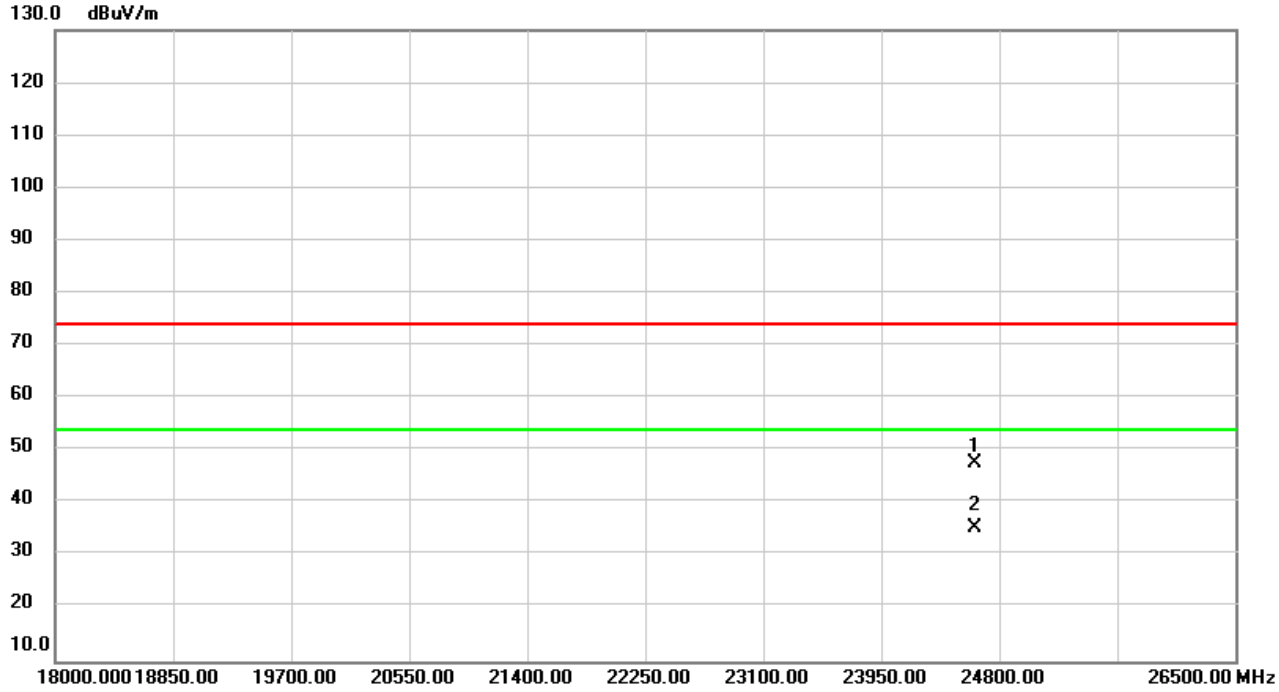
Test Mode	IEEE 802.11b	Test Date	2025/8/8
Test Frequency	2462MHz	Polarization	Vertical
Temp	26°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		24620.00	50.07	-1.84	48.23	74.00	-25.77	peak	
2	*	24620.00	37.45	-1.84	35.61	54.00	-18.39	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2025/8/8
Test Frequency	2462MHz	Polarization	Horizontal
Temp	26°C	Hum.	61%



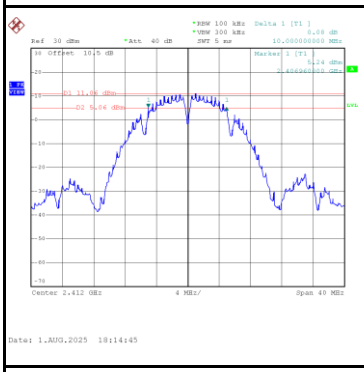
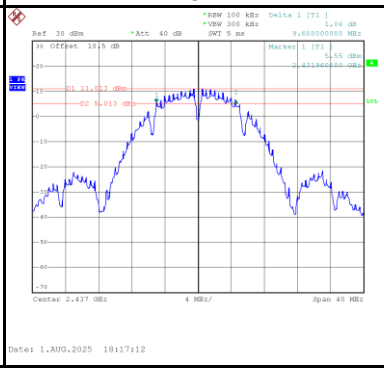
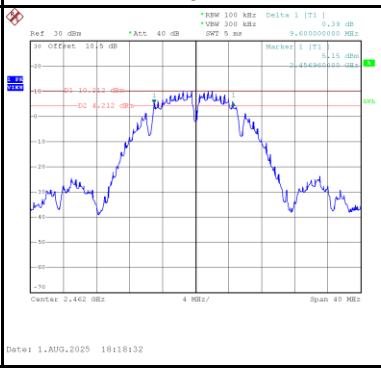
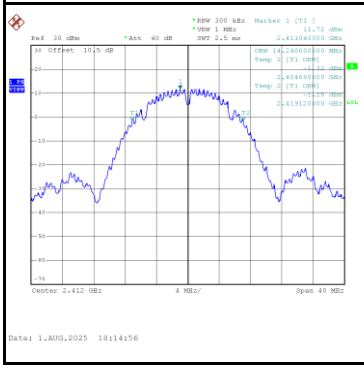
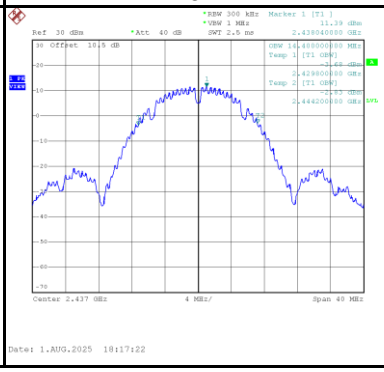
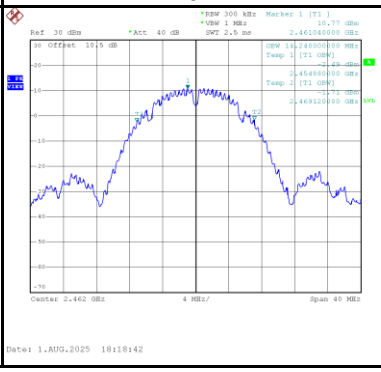
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		24620.00	49.55	-1.84	47.71	74.00	-26.29	peak	
2	*	24620.00	37.19	-1.84	35.35	54.00	-18.65	AVG	

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

APPENDIX E BANDWIDTH

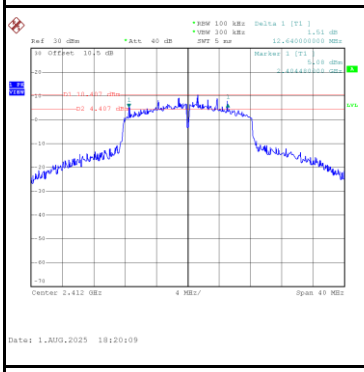
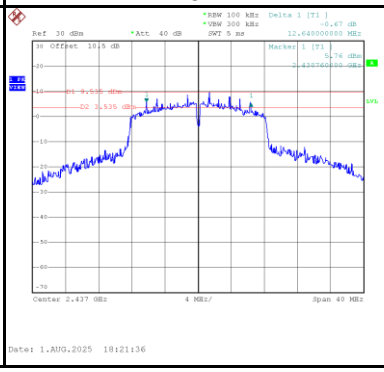
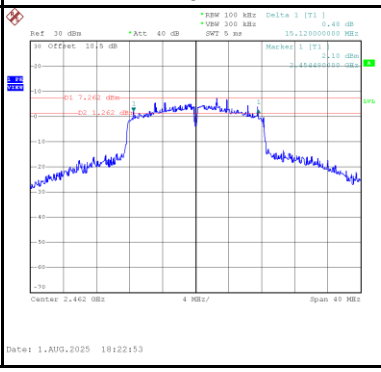
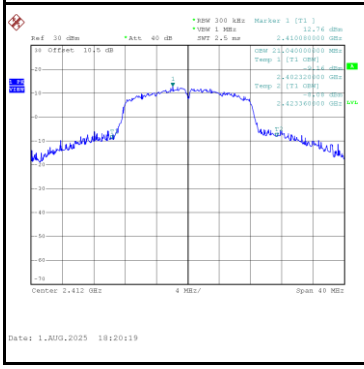
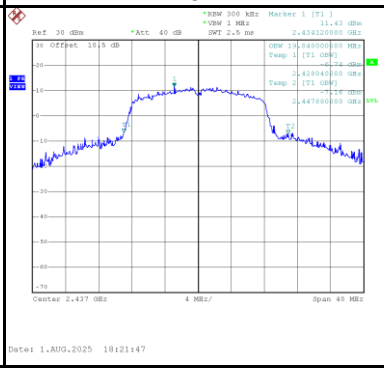
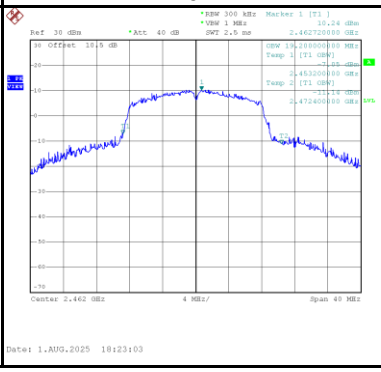
Test Mode	IEEE 802.11b

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	10.00	14.24	≥ 500	Pass
2437	9.60	14.40	≥ 500	Pass
2462	9.60	14.24	≥ 500	Pass

6dB Bandwidth		
2412 MHz	2437 MHz	2462 MHz
		
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		

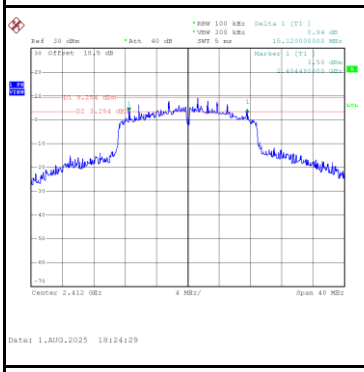
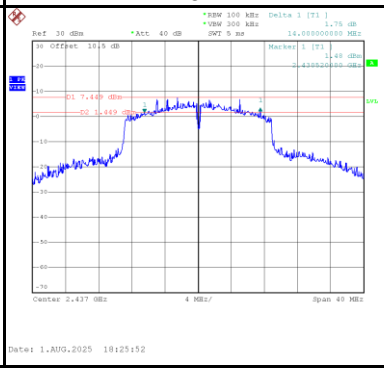
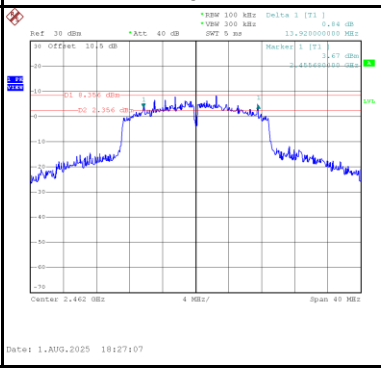
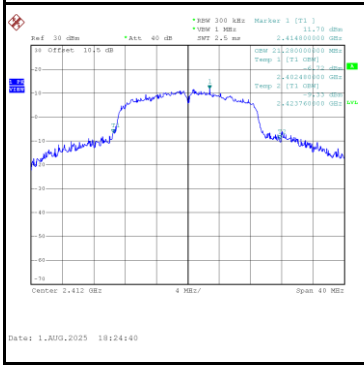
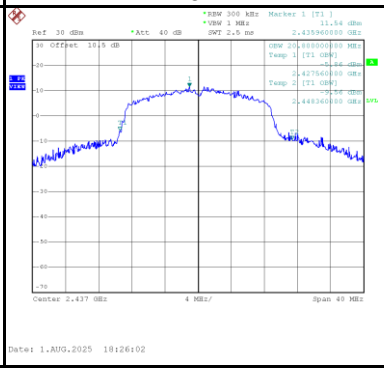
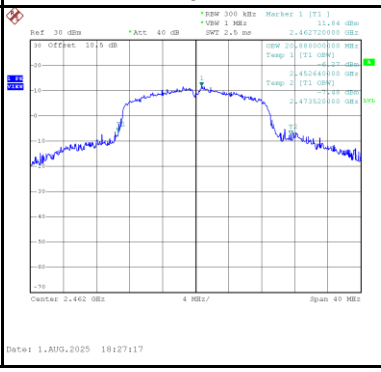
Test Mode	IEEE 802.11g

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	12.64	21.04	≥ 500	Pass
2437	12.64	19.84	≥ 500	Pass
2462	15.12	19.20	≥ 500	Pass

6dB Bandwidth		
2412 MHz	2437 MHz	2462 MHz
		
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		

Test Mode	IEEE 802.11n (HT20)

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.12	21.28	≥ 500	Pass
2437	14.00	20.80	≥ 500	Pass
2462	13.92	20.88	≥ 500	Pass

6dB Bandwidth		
2412 MHz	2437 MHz	2462 MHz
		
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		

APPENDIX F OUTPUT POWER

Test Mode	IEEE 802.11b	Tested Date	2025/8/1

Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2412	19.81	0.0957	30.00	1.0000	Pass
2437	19.44	0.0879	30.00	1.0000	Pass
2462	21.66	0.1466	30.00	1.0000	Pass

Test Mode	IEEE 802.11g	Tested Date	2025/8/1

Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2412	26.11	0.4083	30.00	1.0000	Pass
2437	26.02	0.3999	30.00	1.0000	Pass
2462	25.65	0.3673	30.00	1.0000	Pass

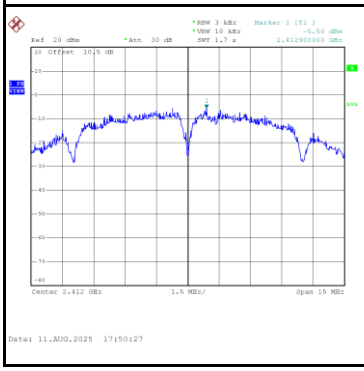
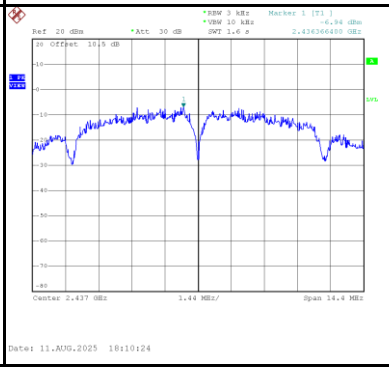
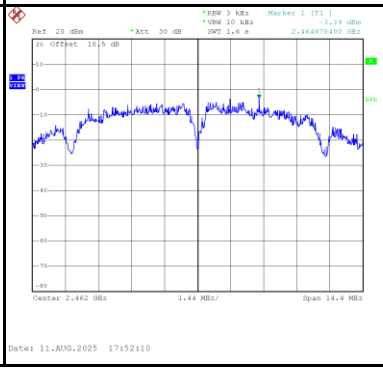
Test Mode	IEEE 802.11n (HT20)	Tested Date	2025/8/1

Frequency (MHz)	Peak Power (dBm)	Peak Power (W)	Power Limit (dBm)	Power Limit (W)	Test Result
2412	26.20	0.4169	30.00	1.0000	Pass
2437	27.03	0.5047	30.00	1.0000	Pass
2462	25.83	0.3828	30.00	1.0000	Pass

APPENDIX G POWER SPECTRAL DENSITY

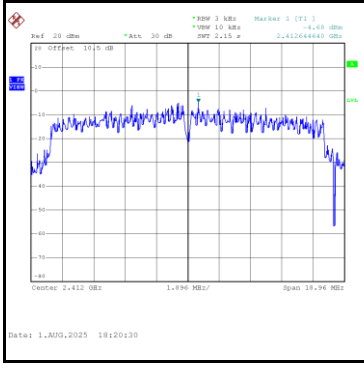
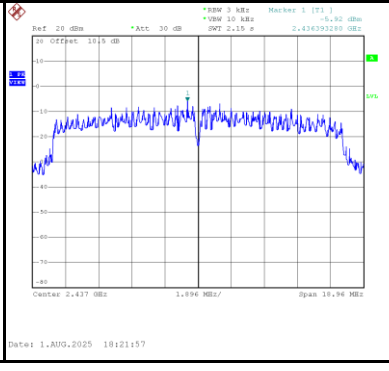
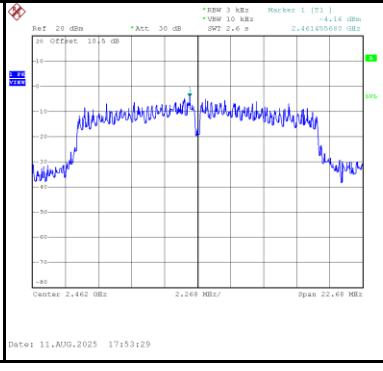
Test Mode	IEEE 802.11b

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-5.50	8.00	Pass
2437	-6.94	8.00	Pass
2462	-3.39	8.00	Pass

2412 MHz	2437 MHz	2462 MHz
		

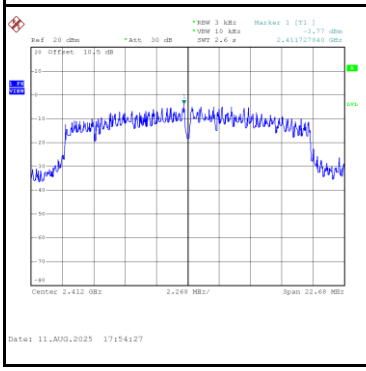
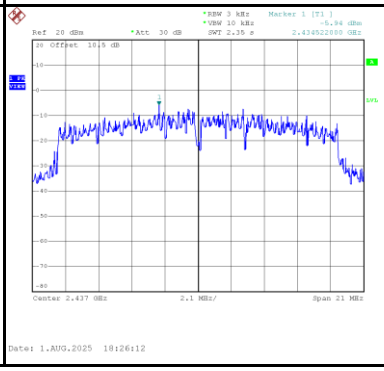
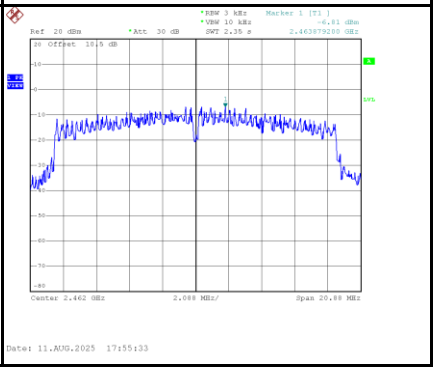
Test Mode	IEEE 802.11g

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-4.68	8.00	Pass
2437	-5.92	8.00	Pass
2462	-4.16	8.00	Pass

2412 MHz	2437 MHz	2462 MHz
		

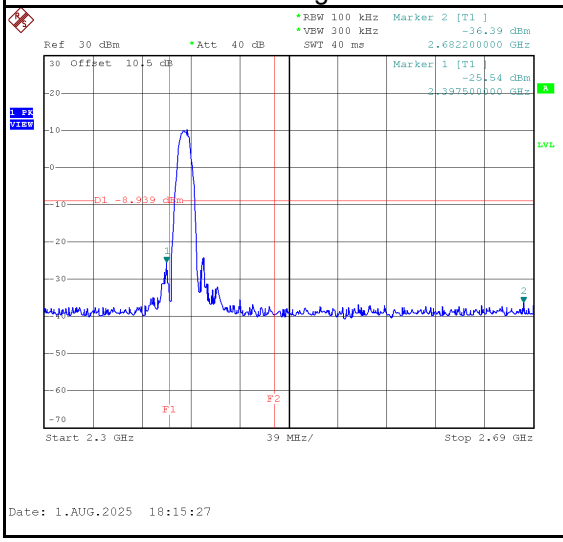
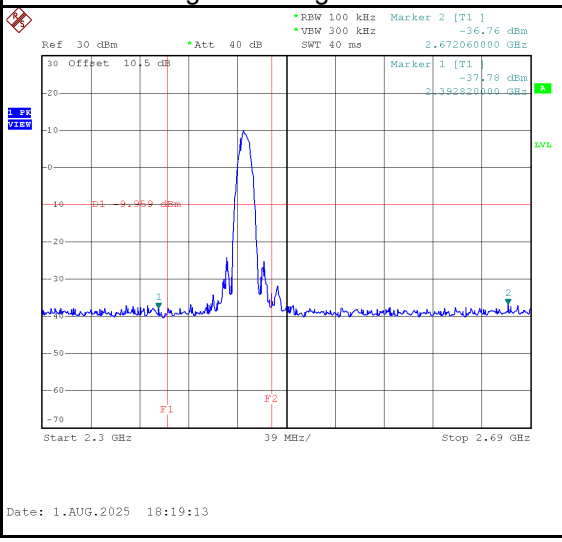
Test Mode	IEEE 802.11n (HT20)

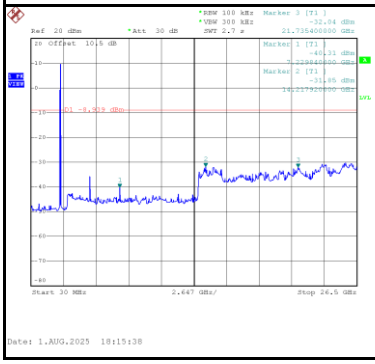
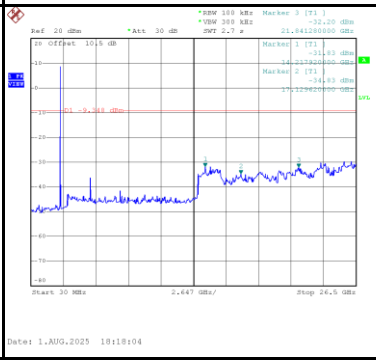
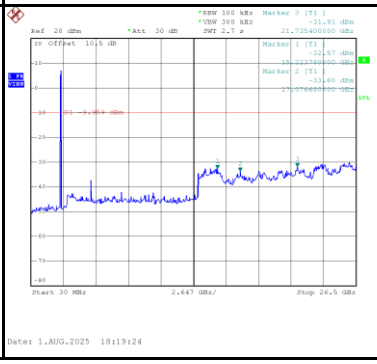
Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-3.77	8.00	Pass
2437	-5.94	8.00	Pass
2462	-6.81	8.00	Pass

2412 MHz	2437 MHz	2462 MHz
		

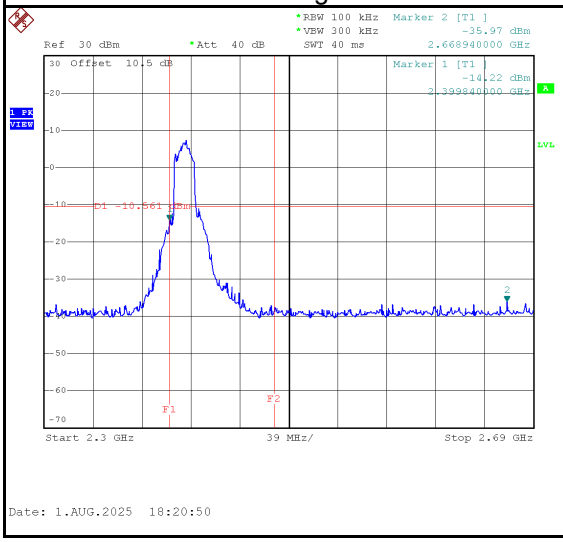
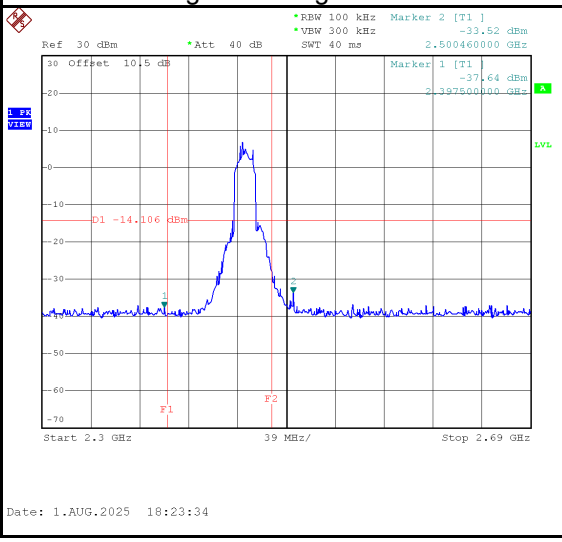
APPENDIX H ANTENNA CONDUCTED SPURIOUS EMISSIONS

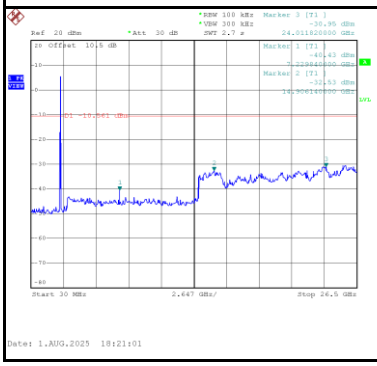
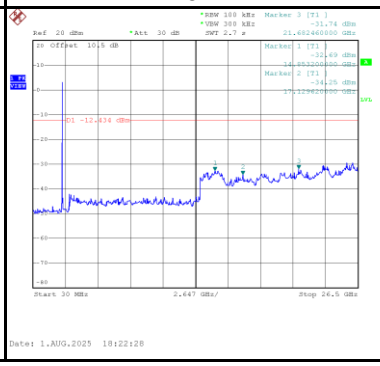
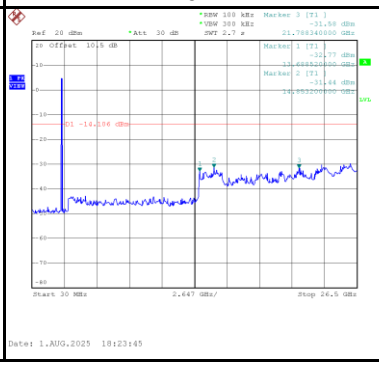
Test Mode	IEEE 802.11b

Low Bandedge-2412 MHz	High Bandedge-2462 MHz
	

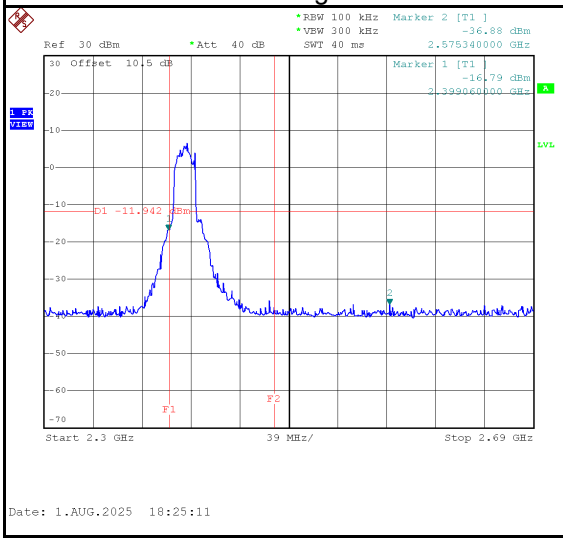
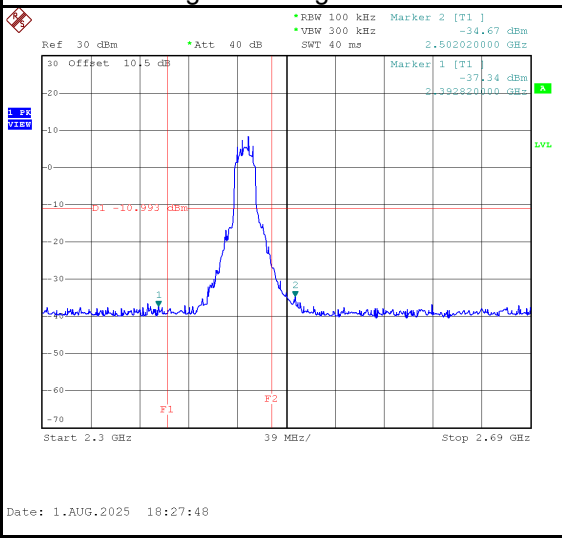
10th Harmonics		
2412 MHz	2437 MHz	2462 MHz
		

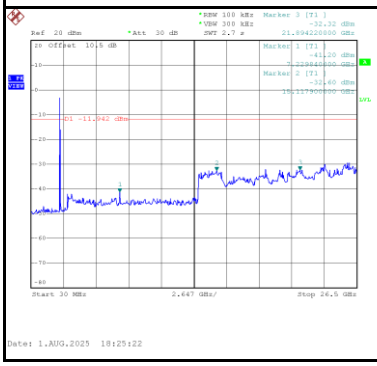
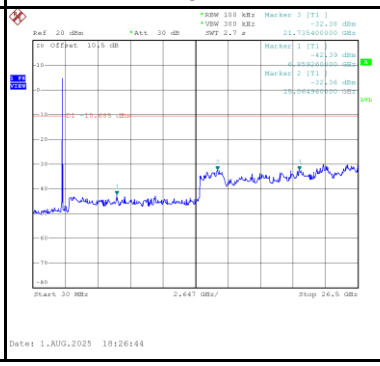
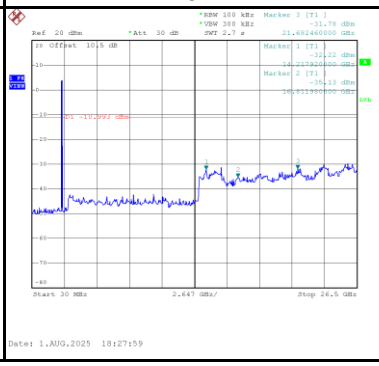
Test Mode	IEEE 802.11g

Low Bandedge-2412 MHz	High Bandedge-2462 MHz
	

10th Harmonics		
2412 MHz	2437 MHz	2462 MHz
		

Test Mode	IEEE 802.11n (HT20)

Low Bandedge-2412 MHz	High Bandedge-2462 MHz
	

10th Harmonics		
2412 MHz	2437 MHz	2462 MHz
		

End of Test Report