FCC Radio Test Report

FCC ID: V7TMESH21XEP

Report No.	:	BTL-FCCP-1-2303C106
Equipment	:	AXE5700 Whole Home Mesh Wi-Fi 6E System
Model Name	:	Mesh21XEP, MX21 Pro, EX21 Pro
Brand Name	:	Tenda
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD.
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District,Shenzhen, China. 518052
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	:	2023/3/28
Date of Test	:	2023/4/18 ~ 2023/6/28
Issued Date	:	2023/7/10

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

Prepared by : Vincent Lee, Engineer

Approved by : Jerry Chuang, Supervisor

BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

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** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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-1-2303C106	R00	Original Report.	2023/7/10	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	Pass	------
15.247(a)	Bandwidth	APPENDIX D	Pass	------
15.247(b)	Output Power	APPENDIX E	Pass	------
15.247(e)	Power Spectral Density	APPENDIX F	Pass	------
15.247(d)	Antenna conducted Spurious Emission	APPENDIX G	Pass	------
15.203	Antenna Requirement	------	Pass	------

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. 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 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	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

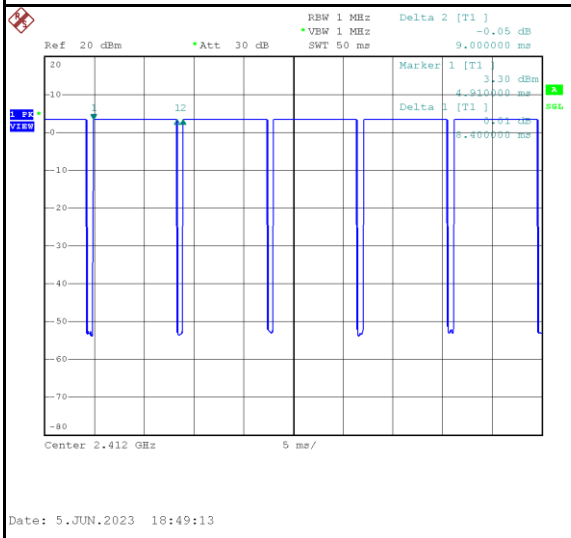
Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	25 °C, 66 %	AC 120V	Cora Lin
Radiated emissions below 1 GHz	Refer to data	AC 120V	Mark Wang
Radiated emissions above 1 GHz	Refer to data	AC 120V	Mark Wang
Bandwidth	24.3 °C, 51 %	AC 120V	Paul Shen
Output Power	24.3 °C, 51 %	AC 120V	Paul Shen
Power Spectral Density	24.3 °C, 51 %	AC 120V	Paul Shen
Antenna conducted Spurious Emission	24.3 °C, 51 %	AC 120V	Paul Shen

1.4 DUTY CYCLE

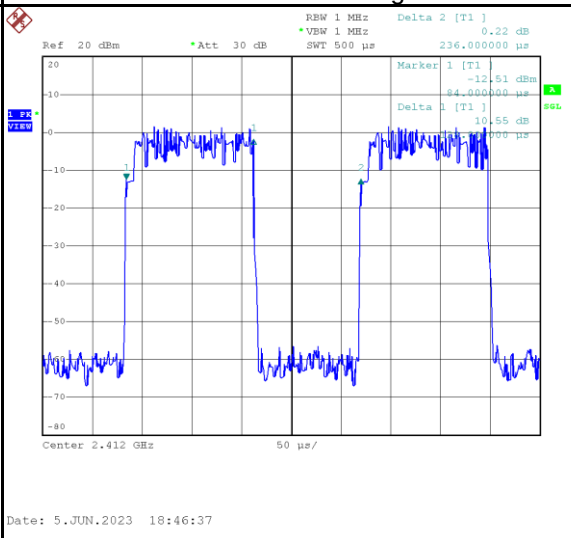
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

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	8.400	1	8.400	9.000	93.33%	0.30
IEEE 802.11g	0.128	1	0.128	0.236	54.24%	2.66
IEEE 802.11n (HT20)	0.119	1	0.119	0.221	53.85%	2.69
IEEE 802.11n (HT40)	0.119	1	0.119	0.221	53.85%	2.69
IEEE 802.11ax (HE20)	0.142	1	0.142	0.244	58.20%	2.35
IEEE 802.11ax (HE40)	0.296	1	0.296	0.340	87.06%	0.60

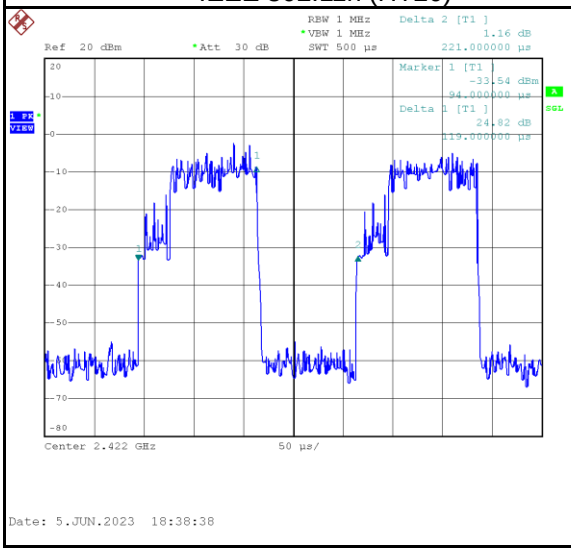
IEEE 802.11b



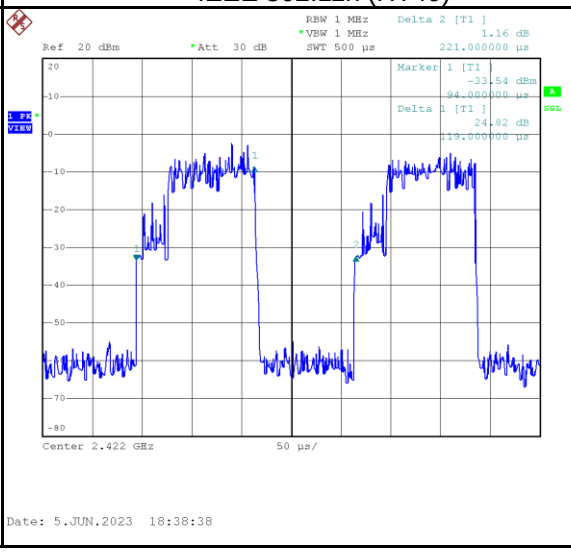
IEEE 802.11g

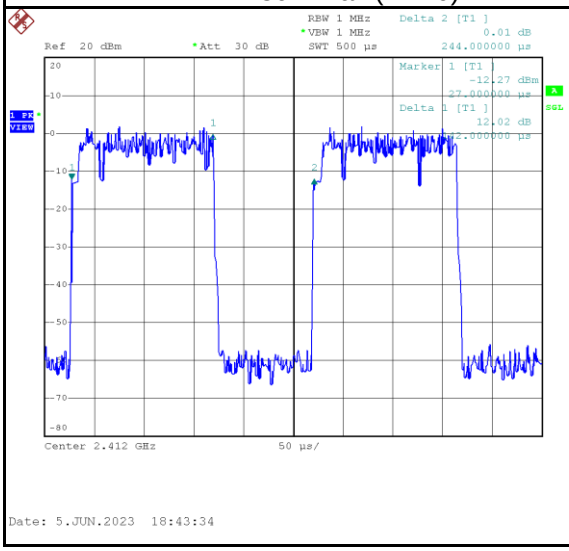
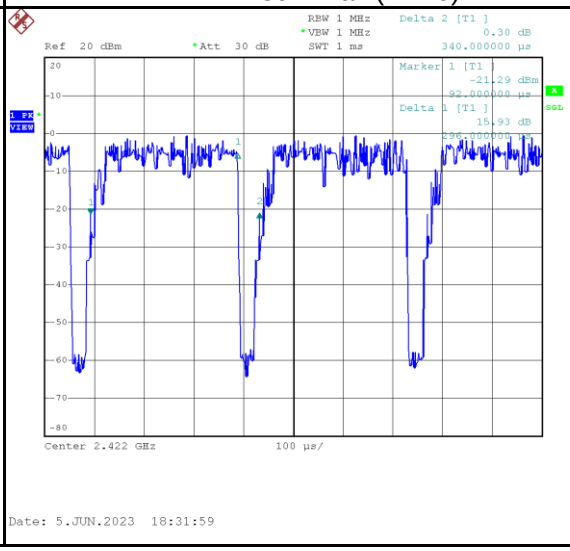


IEEE 802.11n (HT20)



IEEE 802.11n (HT40)



IEEE 802.11ax (HE20)	IEEE 802.11ax (HE40)
	

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	AXE5700 Whole Home Mesh Wi-Fi 6E System
Model Name	Mesh21XEP, MX21 Pro, EX21 Pro
Brand Name	Tenda
Model Difference	Only differ in model name.
Power Source	DC voltage supplied from AC/DC Adapter.
Power Rating	I/P: 100-240V~50/60Hz 1.0A Max O/P: 12.0V⎓ 2.5A
Products Covered	1 * Adapter: GQ24-120250-AU
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 IEEE 802.11ax: OFDMA
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 450 Mbps IEEE 802.11ax: up to 860.4 Mbps
Output Power Max. - SISO Mode	IEEE 802.11b: 29.95 dBm (0.9886 W) IEEE 802.11g: 29.97 dBm (0.9931 W)
Output Power Max. - MIMO Mode - Non-Beamforming mode	IEEE 802.11n (HT20): 29.90 dBm (0.9781 W) IEEE 802.11n (HT40): 29.85 dBm (0.9665 W) IEEE 802.11ax (HE20): 29.89 dBm (0.9758 W) IEEE 802.11ax (HE40): 29.75 dBm (0.9438 W)
Output Power Max. - MIMO Mode - Beamforming mode	IEEE 802.11n (HT20): 23.67 dBm (0.2326 W) IEEE 802.11n (HT40): 24.14 dBm (0.2593 W) IEEE 802.11ax (HE20): 24.19 dBm (0.2627 W) IEEE 802.11ax (HE40): 24.18 dBm (0.2620 W)
Operating Software	Access Manual Tool 3.2.1.3
Test Model	Mesh21XEP
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:

Ant.	Brand	Part number	Type	Connector	Frequency Range (MHz)	Gain (dBi)
1	Tenda	MX21V1.0	PIFA	I-PEX	2400-2500	4.63
2	Tenda	MX21V1.0	PIFA	I-PEX	2400-2500	4.10
3	Tenda	MX21V1.0	PIFA	I-PEX	2400-2500	3.99

NOTE:

a) The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and receivers (3T3R).

b) For Power Spectral Density

Directional Gain = 10log $[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2/N_{ANT}]$ = 9.02 dBi > 6dBi.

The reduced power spectral density limits (dBm/3 kHz) = 8 - (9.02 - 6) = 4.98

c) For Output Power

For N_{ANT} = 3 < 5,

Direction gain = G_{ANT} + 0 = 4.63 + 0 = 4.63 dBi.

d) The Direction gain is less than 6 dBi, so output power limits will not be reduced.

e) For Beamforming mode

Directional Gain = maximum antenna gain + Beamforming gain = 9.13 dBi > 6dBi.

The reduced output power limits (dBm) = 30 - (9.13 - 6) = 26.87.

f) Beamforming gain is 4.5 dBi

(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.

(5) Operating Mode and Antenna Configuration

TX Mode \ Operating Mode	3TX
IEEE 802.11b	V (Ant. 1 or Ant. 2 or Ant. 3)
IEEE 802.11g	V (Ant. 1 or Ant. 2 or Ant. 3)
IEEE 802.11n (HT20)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11n (HT40)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax (HE20)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax (HE40)	V (Ant. 1+Ant. 2+Ant. 3)

2.2 TEST MODES

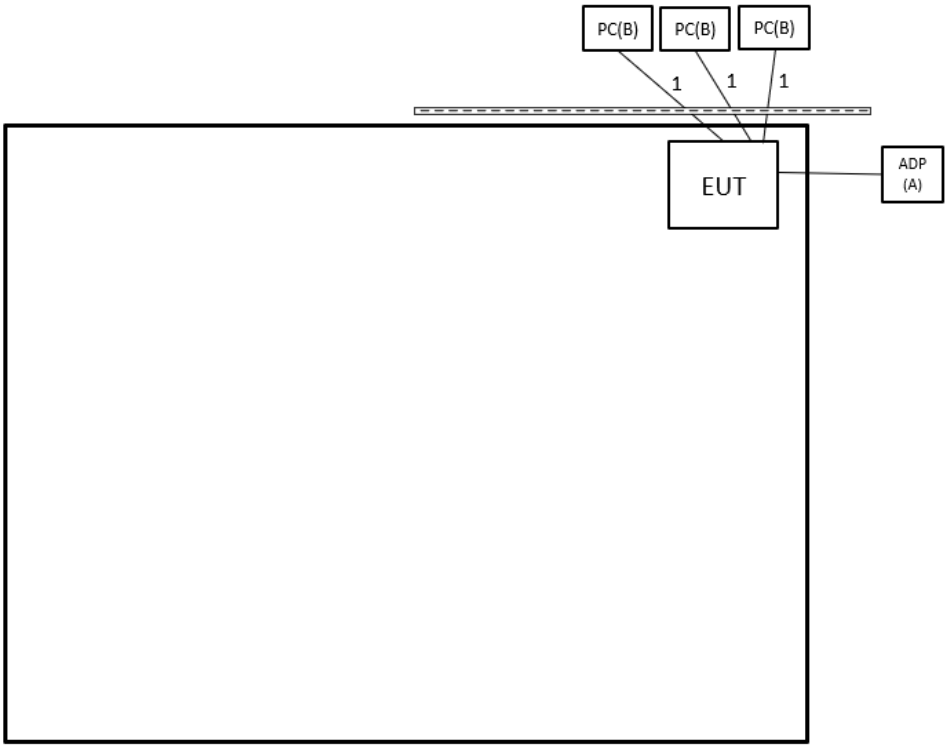
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11n (HT20)	01	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/11	Bandedge
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11ax (HE20)		
	TX Mode_IEEE 802.11n (HT40)	03/09	
	TX Mode_IEEE 802.11ax (HE40)		
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 802.11ax (HE20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09	
	TX Mode_IEEE 802.11ax (HE40)		
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 802.11ax (HE20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09	
	TX Mode_IEEE 802.11ax (HE40)		

NOTE:
(1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
(2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
(3) For IEEE 802.11ax modes, refer to TCB Workshop presentations on October 3, 2018, after evaluated, all testing are performed under fully loaded conditions (Full RU). In the test data, only the partially loaded conditions data are marked with tones.

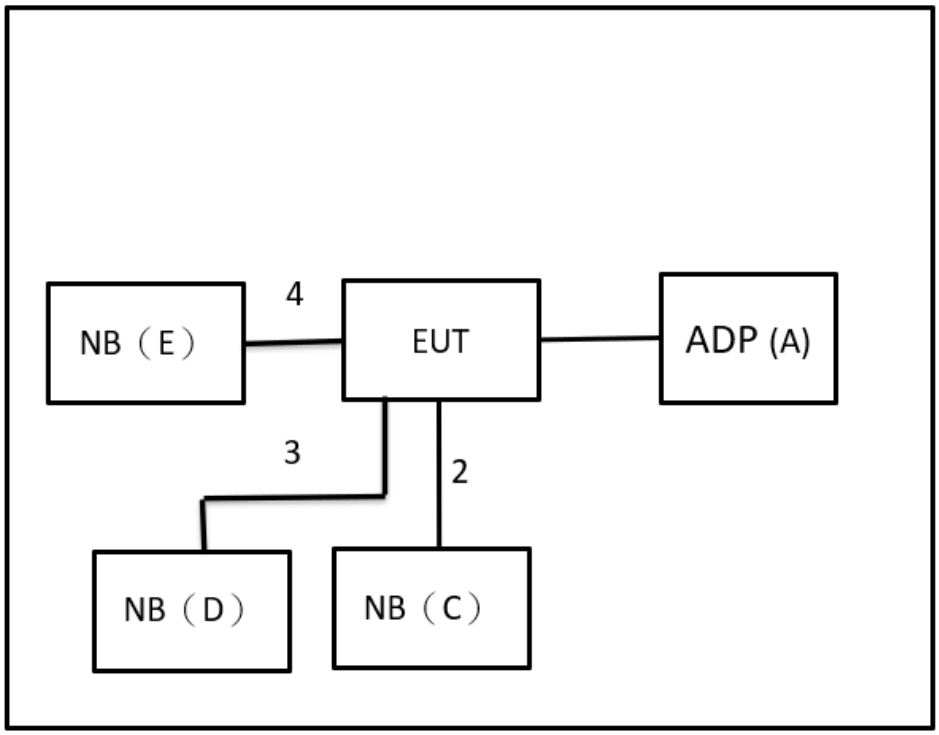
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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	ADAPTER	Intertek	GQ24-120250-AU	N/A	Supplied by test requester
B	PC	DELL	OptiPlex 790 MT	64NJVBX	Furnished by test lab.
C	NB	HP	TPN-C125	N/A	Furnished by test lab.
D	NB	HP	TPN-C125	N/A	Furnished by test lab.
E	NB	Acer	N/A	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	No	No	6m	RJ-45 Cable	Furnished by test lab.
2	No	No	1m	RJ-45 Cable	Furnished by test lab.
3	No	No	1m	RJ-45 Cable	Furnished by test lab.
4	No	No	1m	RJ-45 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

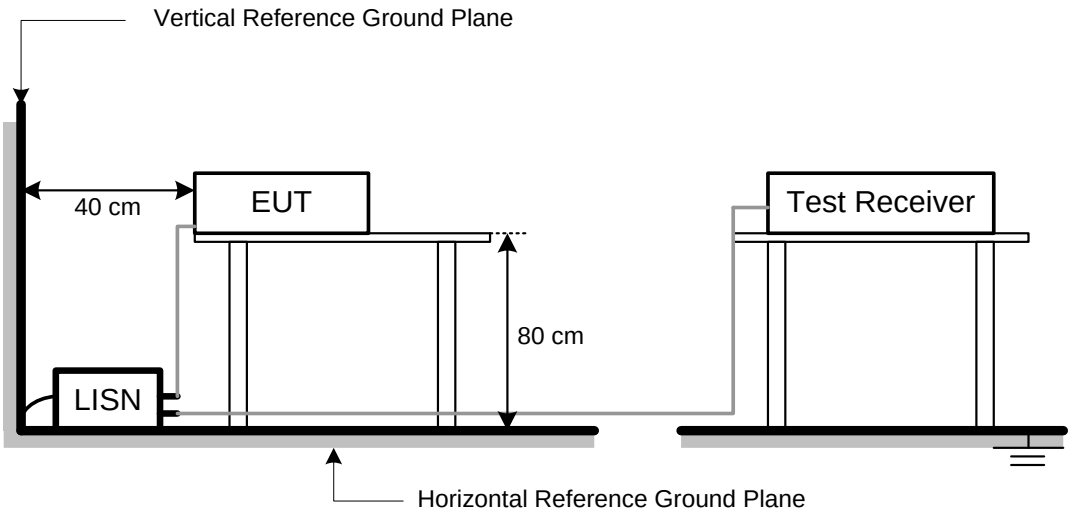
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
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		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
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

Mode	VBW(Hz)
IEEE 802.11b	300
IEEE 802.11g	9.1K
IEEE 802.11n (HT20)	7.5K
IEEE 802.11n (HT40)	12K
IEEE 802.11ax (HE20)	3.3K
IEEE 802.11ax (HE40)	3.9K

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

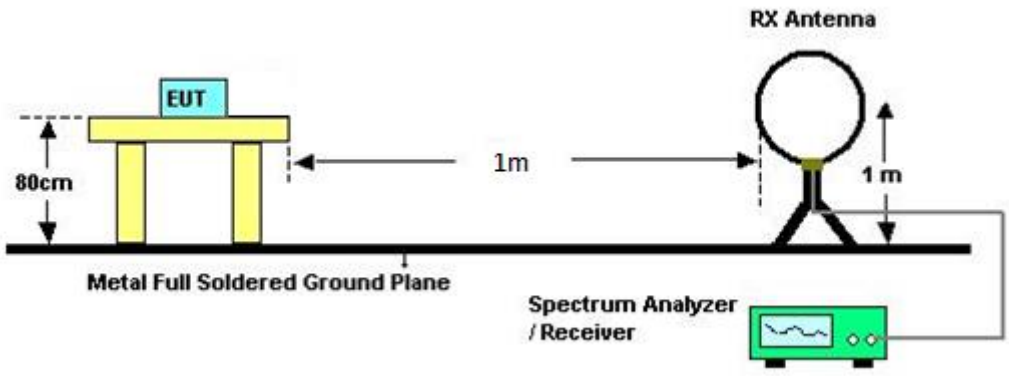
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

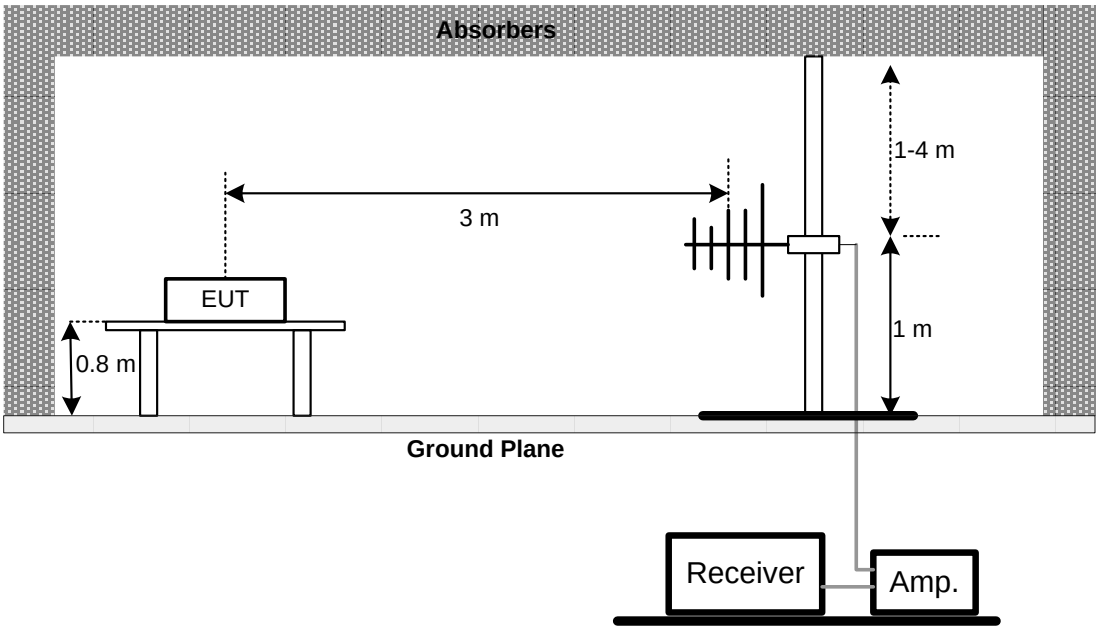
No deviation.

4.4 TEST SETUP

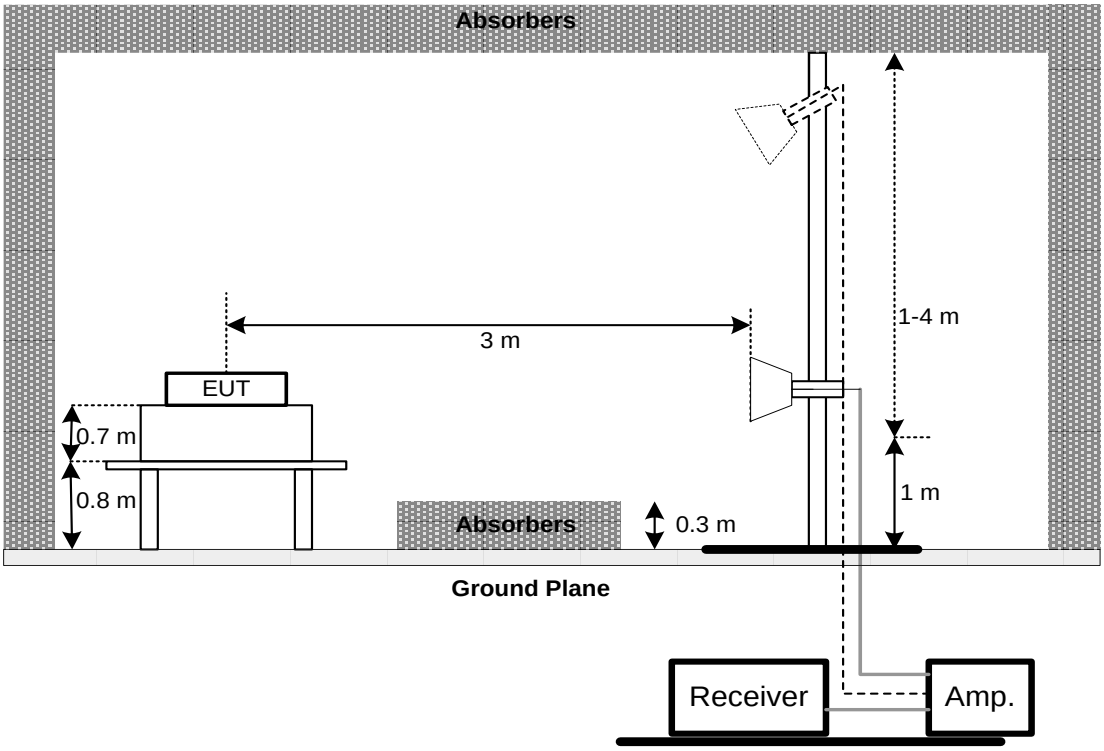
9 kHz to 30 MHz



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 – BELOW 30 MHZ

There were no emissions found below 30 MHz within 20 dB of the limit.

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

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

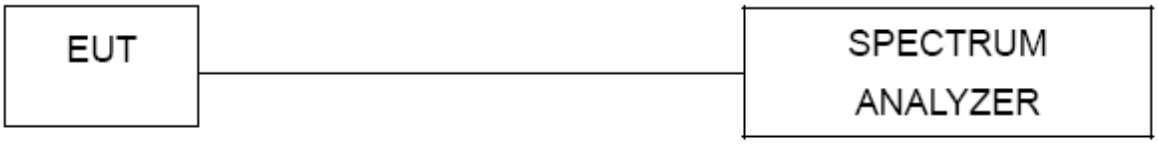
5.2 TEST PROCEDURE

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 D.

6 OUTPUT POWER TEST

6.1 LIMIT

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

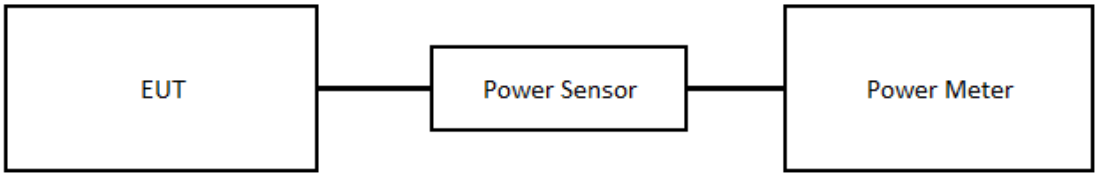
6.2 TEST PROCEDURE

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 E.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

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

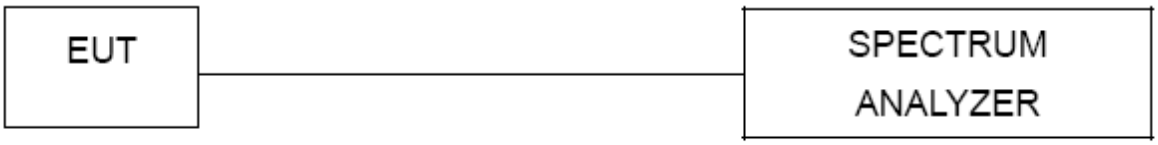
7.2 TEST PROCEDURE

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 F.

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.

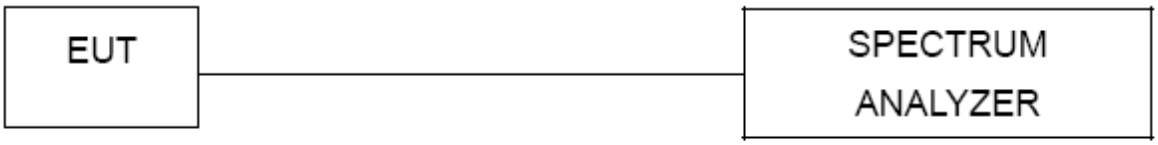
8.2 TEST PROCEDURE

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 G.

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	101521	2022/9/28	2023/9/27
2	Test Cable	EMCI	EMCCFD300-BM-BM-9000	210502	2022/12/8	2023/12/7
3	EMI Test Receiver	R&S	ESR 7	101433	2022/11/16	2023/11/15
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	2022/9/19	2023/9/18
2	Preamplifier	EMCI	EMC118A45SE	980819	2023/3/7	2024/3/6
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2022/9/28	2023/9/27
4	Preamplifier	EMCI	EMC001340	980579	2022/9/30	2023/9/29
5	Test Cable	EMCI	EMC104-SM-SM-1000	220319	2023/3/14	2024/3/13
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2023/3/14	2024/3/13
7	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2023/3/14	2024/3/13
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2023/2/24	2024/2/23
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2022/9/19	2023/9/18
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2023/5/12	2024/5/11
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2023/5/12	2024/5/11
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2023/5/9	2024/5/8
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2023/5/9	2024/5/8
14	Test Cable	EMCI	EMC101G-KM-KM-3000	220329	2023/3/14	2024/3/13
15	Test Cable	EMCI	EMC102-KM-KM-1000	220327	2023/3/14	2024/3/13
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	FSP38	101139	2023/3/9	2024/3/8

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Power Meter	Anritsu	ML2495A	1128008	2023/5/12	2024/5/11
2	Power Sensor	Anritsu	MA2411B	1126001	2023/5/12	2024/5/11

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP38	101139	2023/3/9	2024/3/8

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP38	101139	2023/3/9	2024/3/8

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

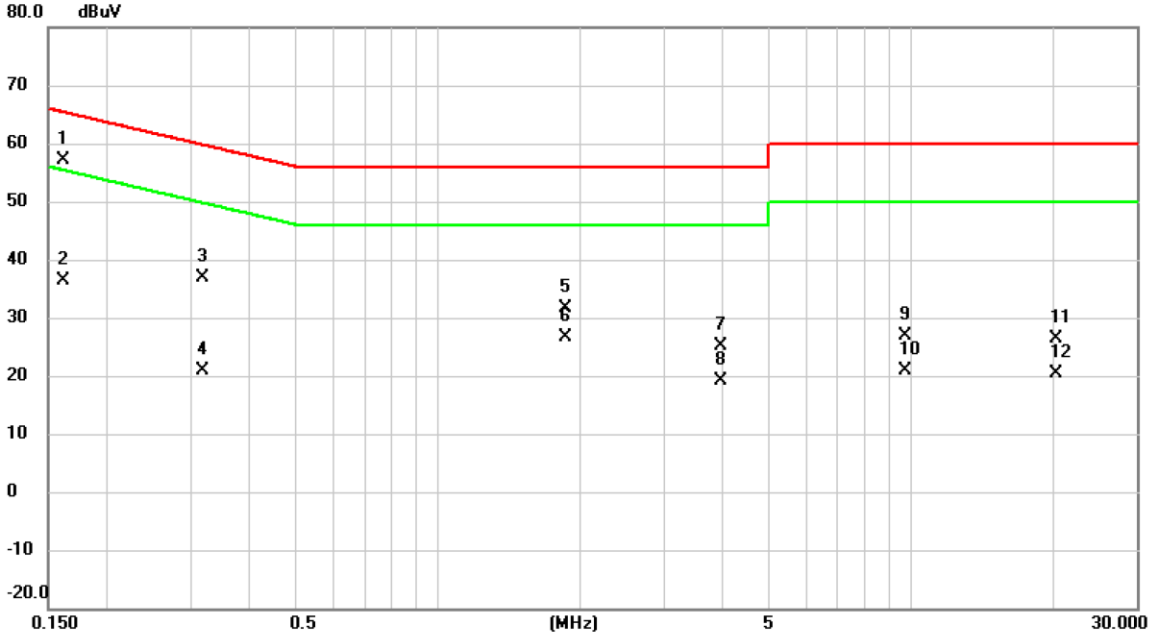
Please refer to document Appendix No.: TP-2303C106-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2303C106-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

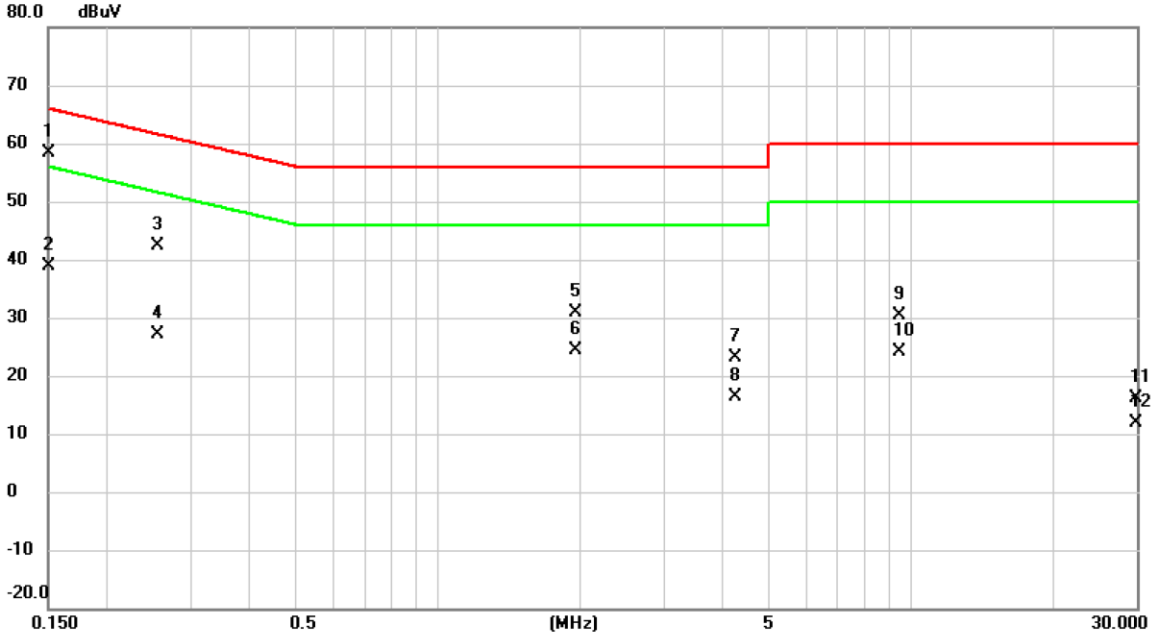
Test Mode	Normal	Tested Date	2023/4/19
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1613	47.43	9.64	57.07	65.40	-8.33	QP	
2		0.1613	26.65	9.64	36.29	55.40	-19.11	AVG	
3		0.3187	27.12	9.65	36.77	59.74	-22.97	QP	
4		0.3187	11.21	9.65	20.86	49.74	-28.88	AVG	
5		1.8623	21.88	9.73	31.61	56.00	-24.39	QP	
6		1.8623	16.81	9.73	26.54	46.00	-19.46	AVG	
7		3.9728	15.22	9.81	25.03	56.00	-30.97	QP	
8		3.9728	9.20	9.81	19.01	46.00	-26.99	AVG	
9		9.7125	16.96	9.95	26.91	60.00	-33.09	QP	
10		9.7125	10.83	9.95	20.78	50.00	-29.22	AVG	
11		20.2425	16.32	10.04	26.36	60.00	-33.64	QP	
12		20.2425	10.46	10.04	20.50	50.00	-29.50	AVG	

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

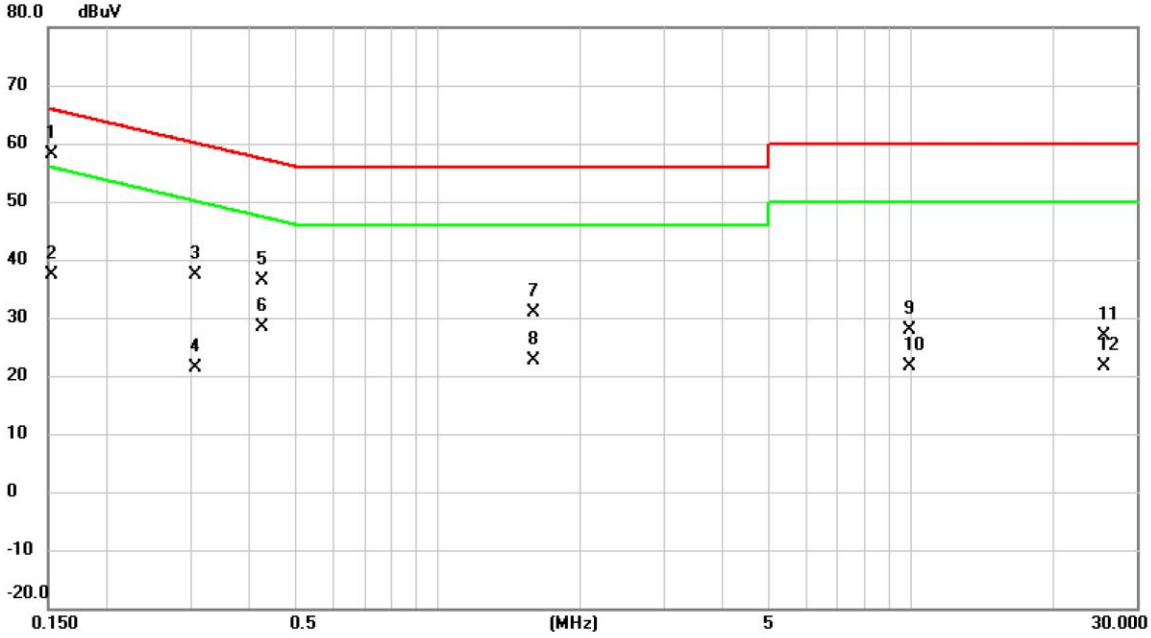
Test Mode	Normal	Tested Date	2023/4/19
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	48.84	9.64	58.48	66.00	-7.52	QP	
2		0.1500	29.14	9.64	38.78	56.00	-17.22	AVG	
3		0.2558	32.72	9.65	42.37	61.57	-19.20	QP	
4		0.2558	17.48	9.65	27.13	51.57	-24.44	AVG	
5		1.9500	21.09	9.74	30.83	56.00	-25.17	QP	
6		1.9500	14.63	9.74	24.37	46.00	-21.63	AVG	
7		4.2450	13.42	9.83	23.25	56.00	-32.75	QP	
8		4.2450	6.64	9.83	16.47	46.00	-29.53	AVG	
9		9.4358	20.38	9.96	30.34	60.00	-29.66	QP	
10		9.4358	14.08	9.96	24.04	50.00	-25.96	AVG	
11		29.8725	5.78	10.29	16.07	60.00	-43.93	QP	
12		29.8725	1.62	10.29	11.91	50.00	-38.09	AVG	

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

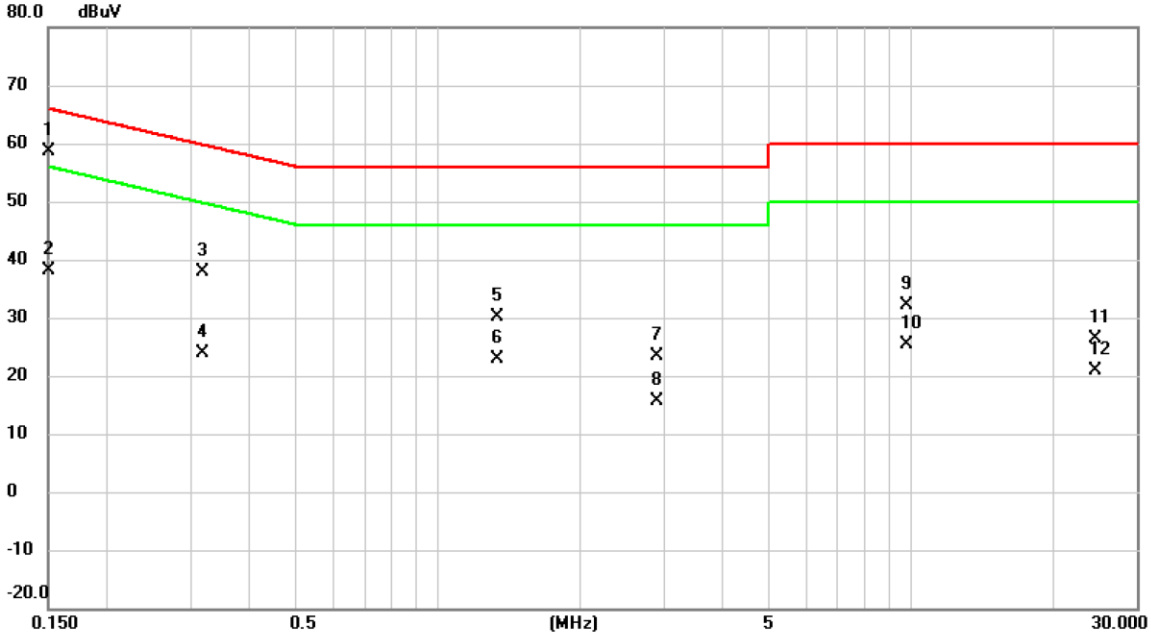
Test Mode	Idle	Tested Date	2023/4/19
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1522	48.53	9.64	58.17	65.88	-7.71	QP	
2		0.1522	27.85	9.64	37.49	55.88	-18.39	AVG	
3		0.3075	27.76	9.65	37.41	60.04	-22.63	QP	
4		0.3075	11.62	9.65	21.27	50.04	-28.77	AVG	
5		0.4267	26.64	9.66	36.30	57.32	-21.02	QP	
6		0.4267	18.65	9.66	28.31	47.32	-19.01	AVG	
7		1.5923	21.26	9.72	30.98	56.00	-25.02	QP	
8		1.5923	13.00	9.72	22.72	46.00	-23.28	AVG	
9		9.8970	17.91	9.95	27.86	60.00	-32.14	QP	
10		9.8970	11.70	9.95	21.65	50.00	-28.35	AVG	
11		25.6560	16.75	10.05	26.80	60.00	-33.20	QP	
12		25.6560	11.50	10.05	21.55	50.00	-28.45	AVG	

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

Test Mode	Idle	Tested Date	2023/4/19
Test Frequency	-	Phase	Neutral

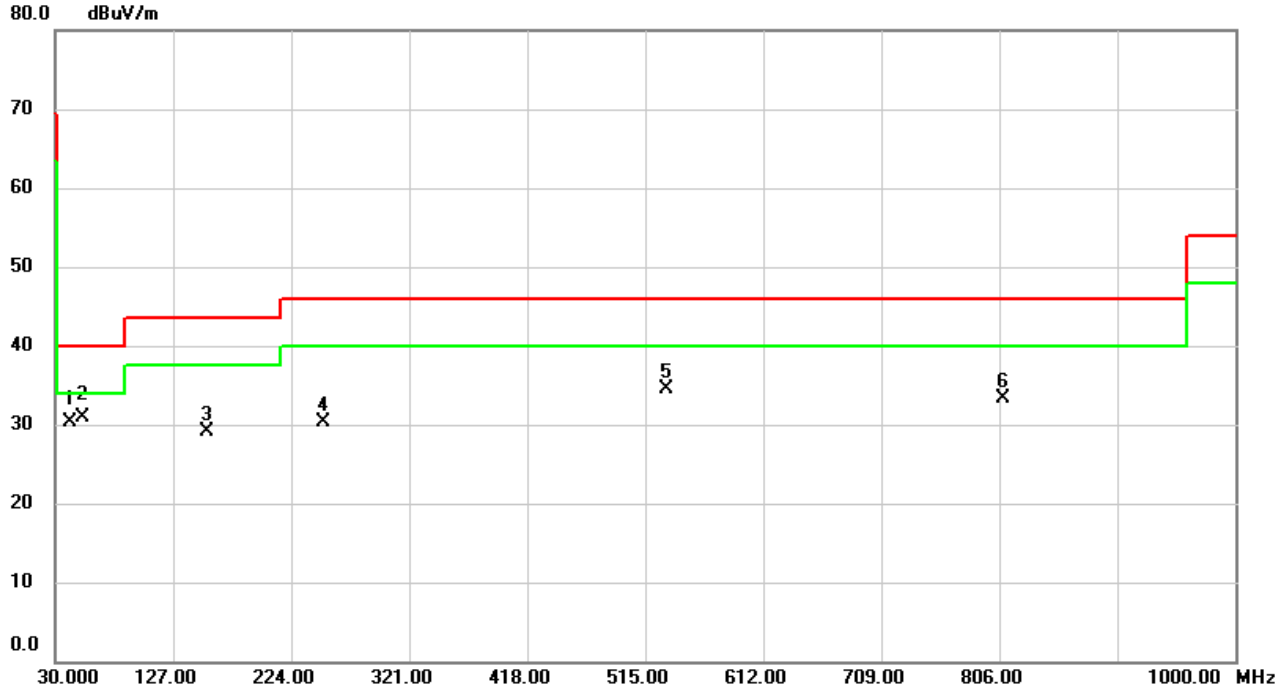


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	48.95	9.64	58.59	66.00	-7.41	QP	
2		0.1500	28.58	9.64	38.22	56.00	-17.78	AVG	
3		0.3187	28.14	9.66	37.80	59.74	-21.94	QP	
4		0.3187	14.17	9.66	23.83	49.74	-25.91	AVG	
5		1.3357	20.29	9.72	30.01	56.00	-25.99	QP	
6		1.3357	13.19	9.72	22.91	46.00	-23.09	AVG	
7		2.9085	13.70	9.78	23.48	56.00	-32.52	QP	
8		2.9085	5.79	9.78	15.57	46.00	-30.43	AVG	
9		9.8137	22.11	9.98	32.09	60.00	-27.91	QP	
10		9.8137	15.34	9.98	25.32	50.00	-24.68	AVG	
11		24.5017	16.11	10.22	26.33	60.00	-33.67	QP	
12		24.5017	10.74	10.22	20.96	50.00	-29.04	AVG	

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

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

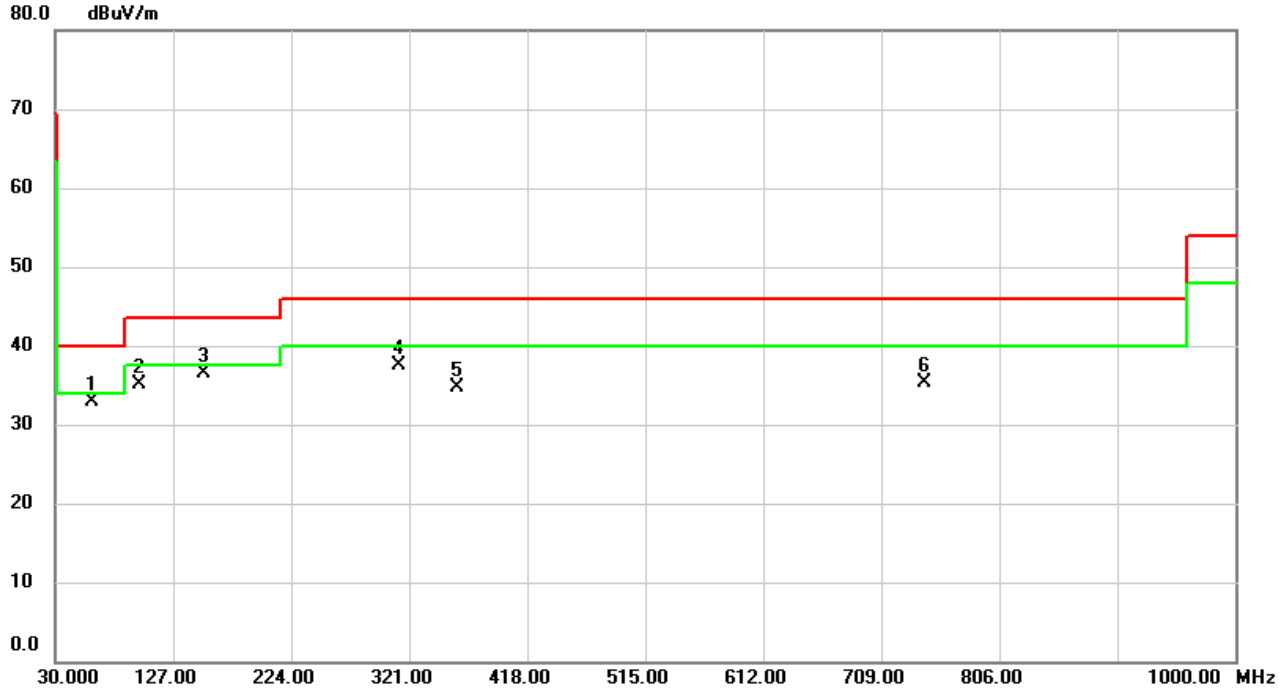
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		41.7370	42.70	-12.31	30.39	40.00	-9.61	QP	
2	*	52.6333	42.60	-11.77	30.83	40.00	-9.17	QP	
3		154.9037	41.12	-12.02	29.10	43.50	-14.40	peak	
4		249.9960	43.57	-13.24	30.33	46.00	-15.67	peak	
5		532.3953	40.04	-5.63	34.41	46.00	-11.59	peak	
6		809.2980	34.16	-0.77	33.39	46.00	-12.61	peak	

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	61%

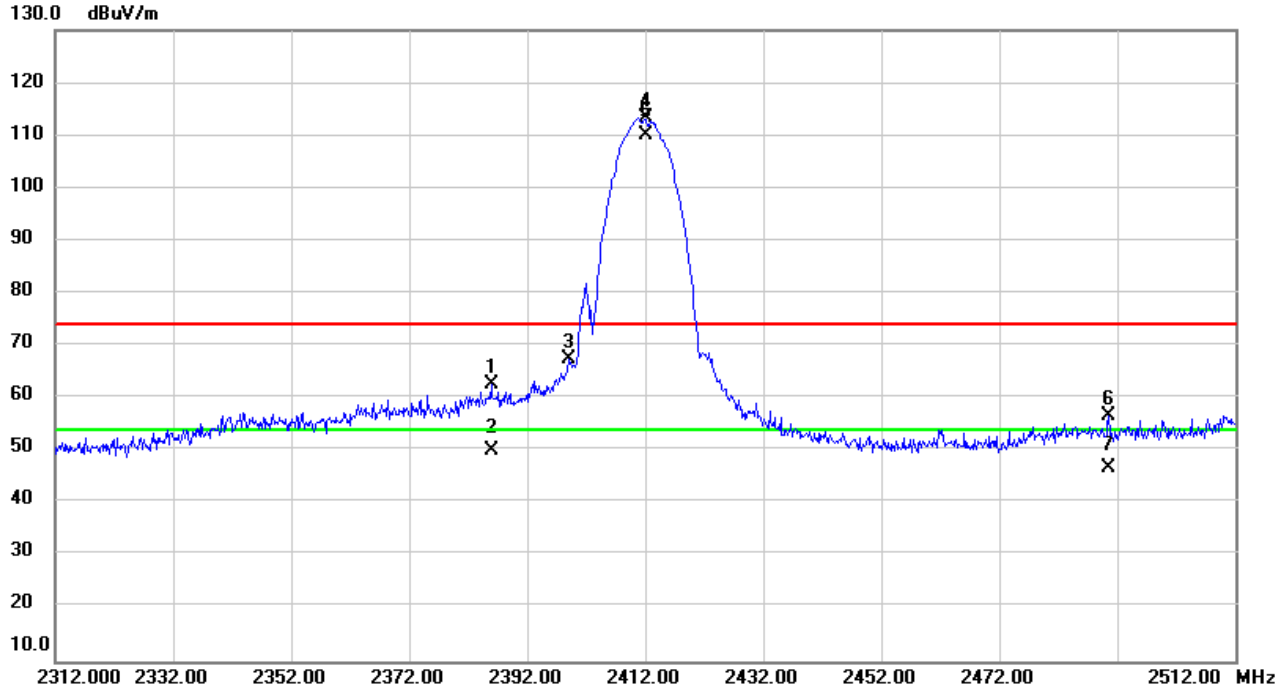


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		59.9730	45.21	-12.26	32.95	40.00	-7.05	peak	
2		98.6437	51.86	-16.85	35.01	43.50	-8.49	peak	
3	*	152.7697	48.60	-12.03	36.57	43.50	-6.93	peak	
4		312.0113	48.54	-11.06	37.48	46.00	-8.52	peak	
5		360.0263	44.55	-9.93	34.62	46.00	-11.38	peak	
6		743.9847	36.94	-1.58	35.36	46.00	-10.64	peak	

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

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

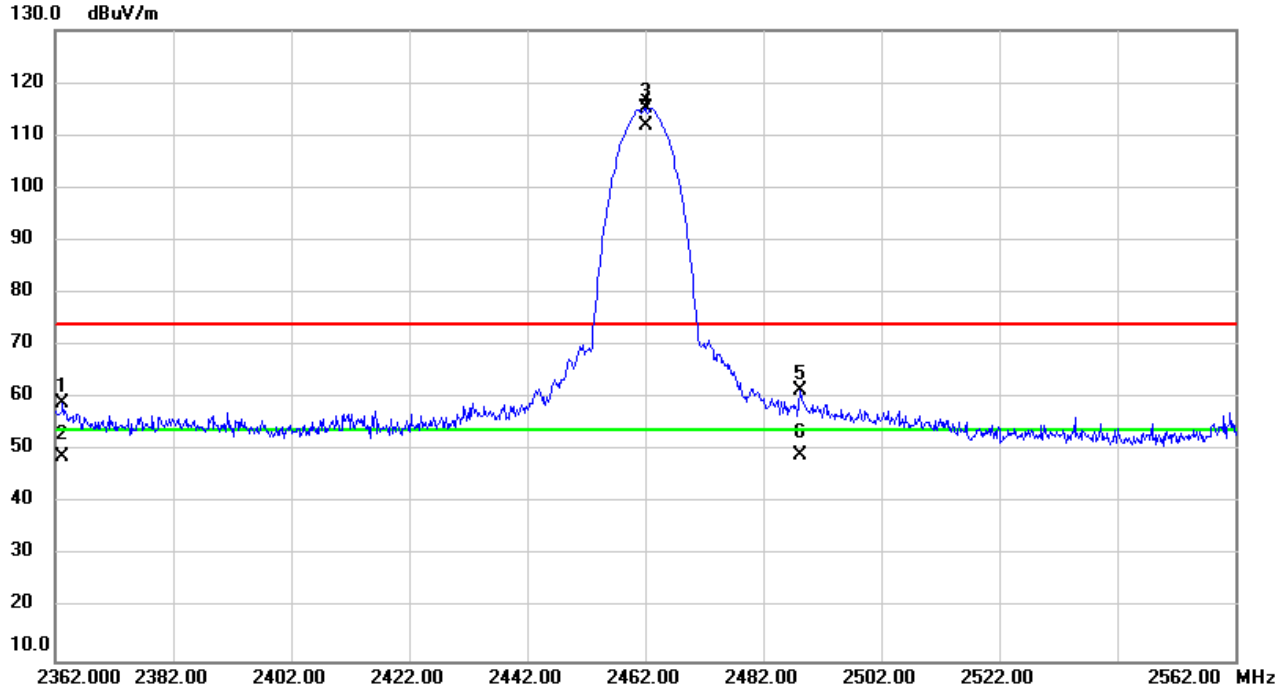
Test Mode	IEEE 802.11b	Test Date	2023/4/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.967	68.06	-5.42	62.64	74.00	-11.36	peak	
2		2385.967	55.50	-5.42	50.08	54.00	-3.92	AVG	
3		2399.193	72.79	-5.41	67.38	74.00	-6.62	peak	No Limit
4	X	2412.000	118.61	-5.39	113.22	74.00	39.22	peak	No Limit
5	*	2412.000	115.53	-5.39	110.14	54.00	56.14	AVG	No Limit
6		2490.427	62.09	-5.30	56.79	74.00	-17.21	peak	
7		2490.427	52.04	-5.30	46.74	54.00	-7.26	AVG	

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

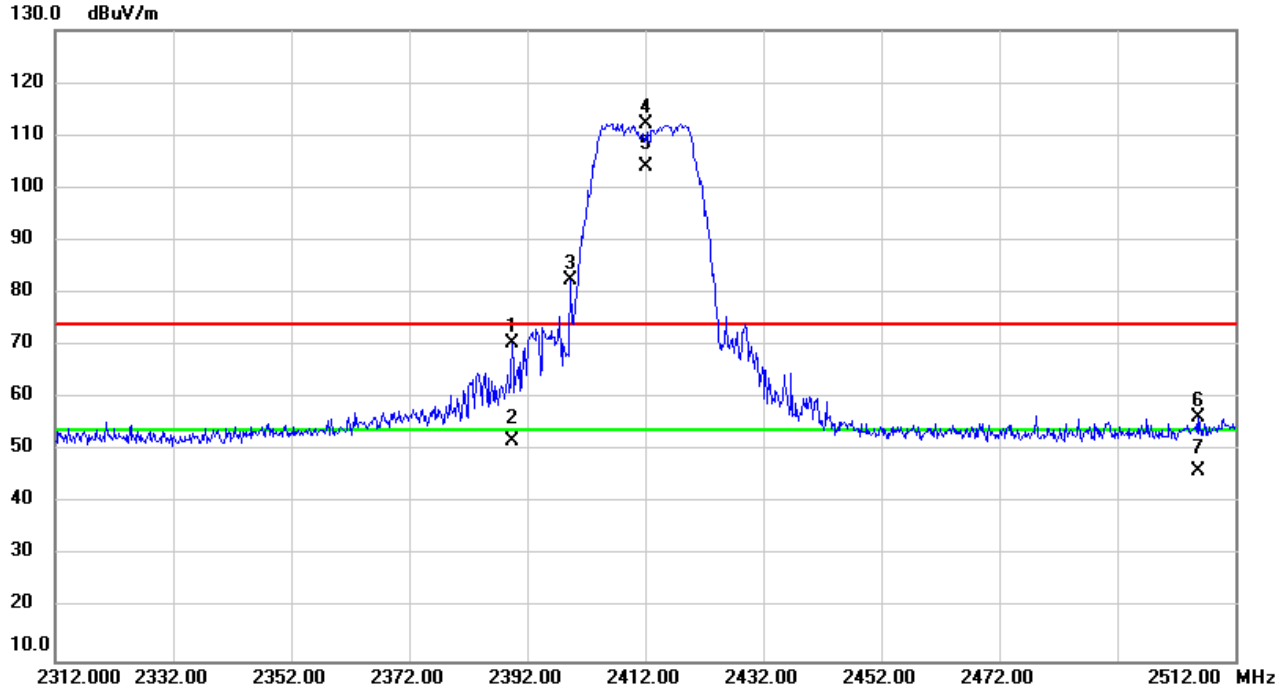
Test Mode	IEEE 802.11b	Test Date	2023/4/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2363.287	64.39	-5.45	58.94	74.00	-15.06	peak	
2		2363.287	54.16	-5.45	48.71	54.00	-5.29	AVG	
3	X	2462.000	120.61	-5.34	115.27	74.00	41.27	peak	No Limit
4	*	2462.000	117.16	-5.34	111.82	54.00	57.82	AVG	No Limit
5		2488.367	66.71	-5.30	61.41	74.00	-12.59	peak	
6		2488.367	54.31	-5.30	49.01	54.00	-4.99	AVG	

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

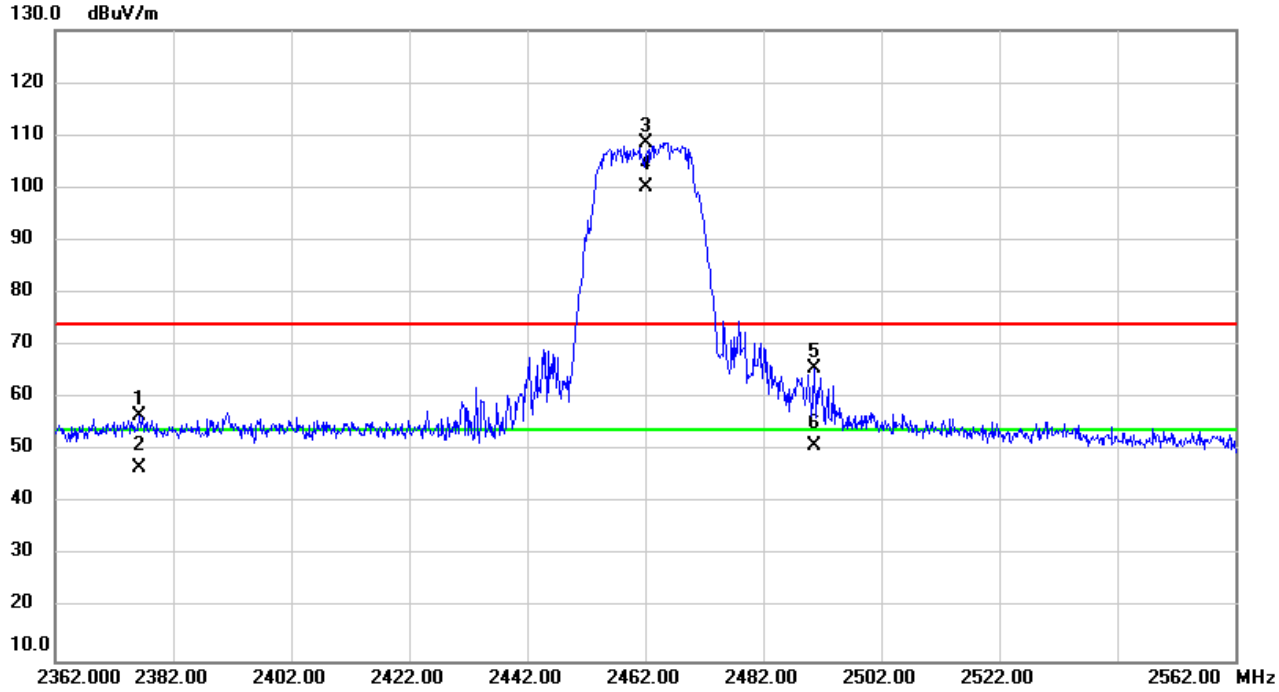
Test Mode	IEEE 802.11g	Test Date	2023/4/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.460	75.95	-5.42	70.53	74.00	-3.47	peak	
2		2389.460	57.36	-5.42	51.94	54.00	-2.06	AVG	
3	X	2399.387	87.74	-5.41	82.33	74.00	8.33	peak	No Limit
4	X	2412.000	117.66	-5.39	112.27	74.00	38.27	peak	No Limit
5	*	2412.000	109.37	-5.39	103.98	54.00	49.98	AVG	No Limit
6		2505.840	61.49	-5.26	56.23	74.00	-17.77	peak	
7		2505.840	51.40	-5.26	46.14	54.00	-7.86	AVG	

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

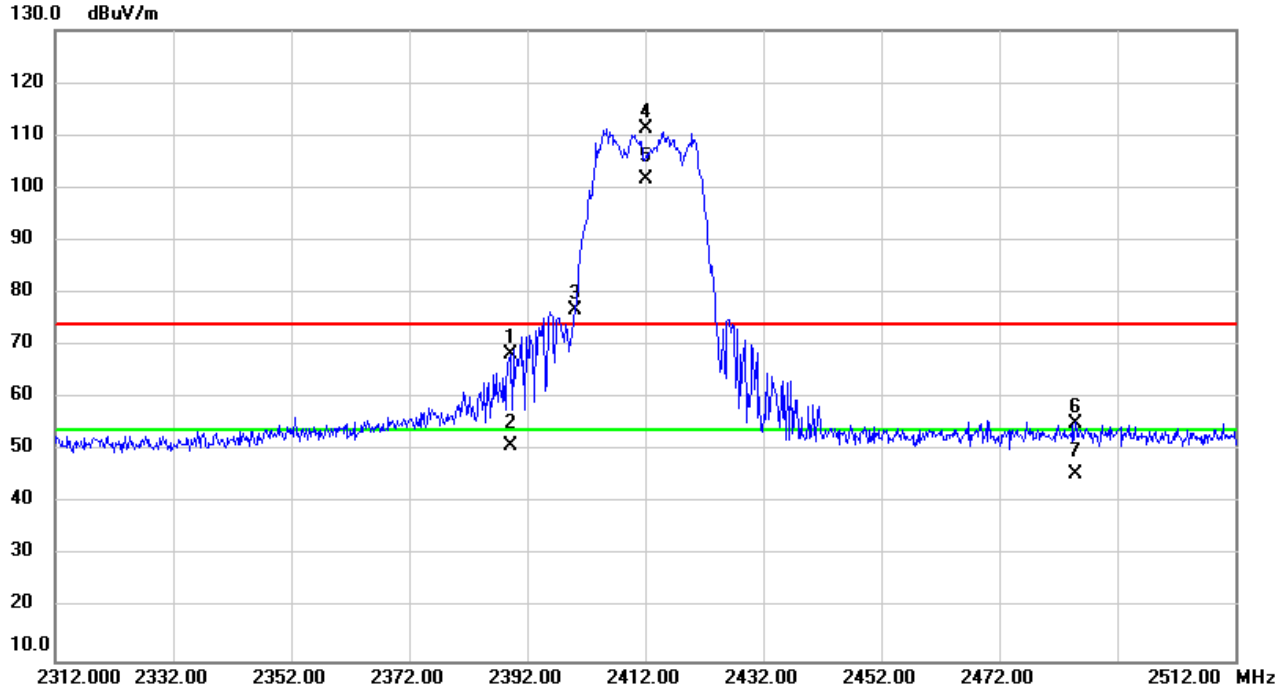
Test Mode	IEEE 802.11g	Test Date	2023/4/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2376.300	61.95	-5.43	56.52	74.00	-17.48	peak	
2		2376.300	52.31	-5.43	46.88	54.00	-7.12	AVG	
3	X	2462.000	114.00	-5.34	108.66	74.00	34.66	peak	No Limit
4	*	2462.000	105.45	-5.34	100.11	54.00	46.11	AVG	No Limit
5		2490.720	70.85	-5.30	65.55	74.00	-8.45	peak	
6		2490.720	56.22	-5.30	50.92	54.00	-3.08	AVG	

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

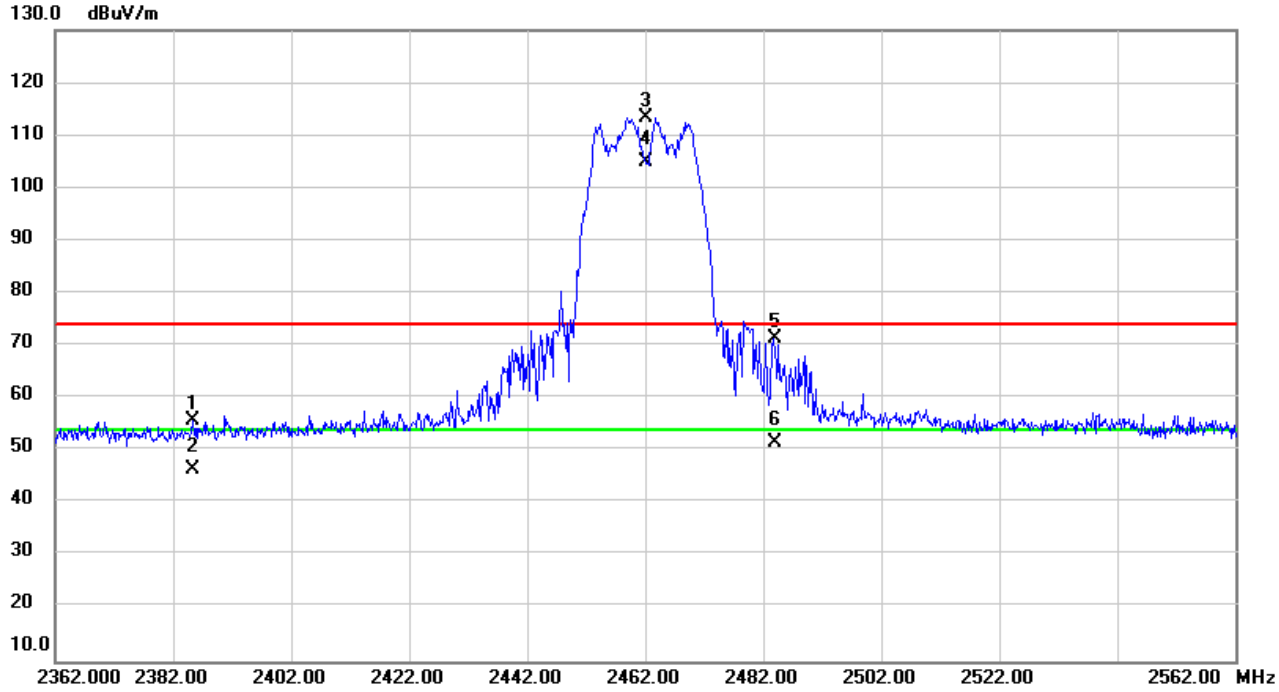
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.193	73.64	-5.42	68.22	74.00	-5.78	peak	
2		2389.193	56.29	-5.42	50.87	54.00	-3.13	AVG	
3	X	2400.000	82.28	-5.41	76.87	74.00	2.87	peak	No Limit
4	X	2412.000	116.64	-5.39	111.25	74.00	37.25	peak	No Limit
5	*	2412.000	107.08	-5.39	101.69	54.00	47.69	AVG	No Limit
6		2484.940	60.61	-5.31	55.30	74.00	-18.70	peak	
7		2484.940	50.90	-5.31	45.59	54.00	-8.41	AVG	

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

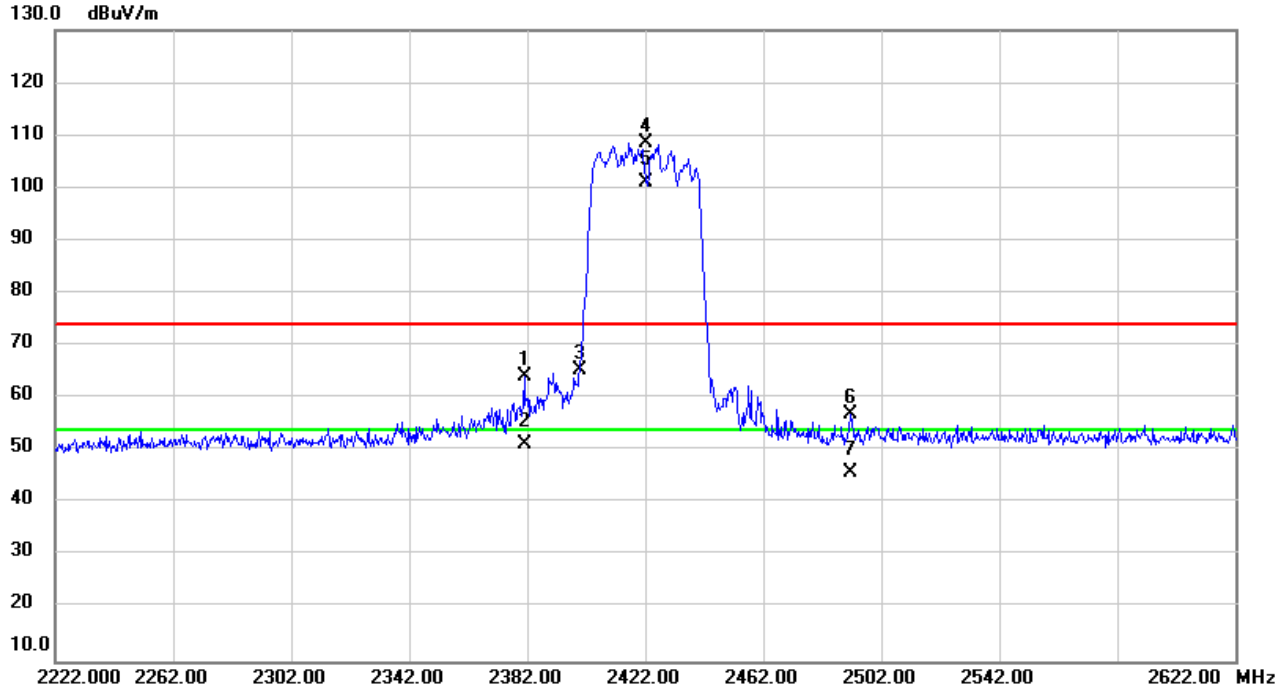
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.220	61.07	-5.42	55.65	74.00	-18.35	peak	
2		2385.220	51.83	-5.42	46.41	54.00	-7.59	AVG	
3	X	2462.000	118.80	-5.34	113.46	74.00	39.46	peak	No Limit
4	*	2462.000	110.44	-5.34	105.10	54.00	51.10	AVG	No Limit
5		2483.867	76.62	-5.32	71.30	74.00	-2.70	peak	
6		2483.867	56.79	-5.32	51.47	54.00	-2.53	AVG	

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

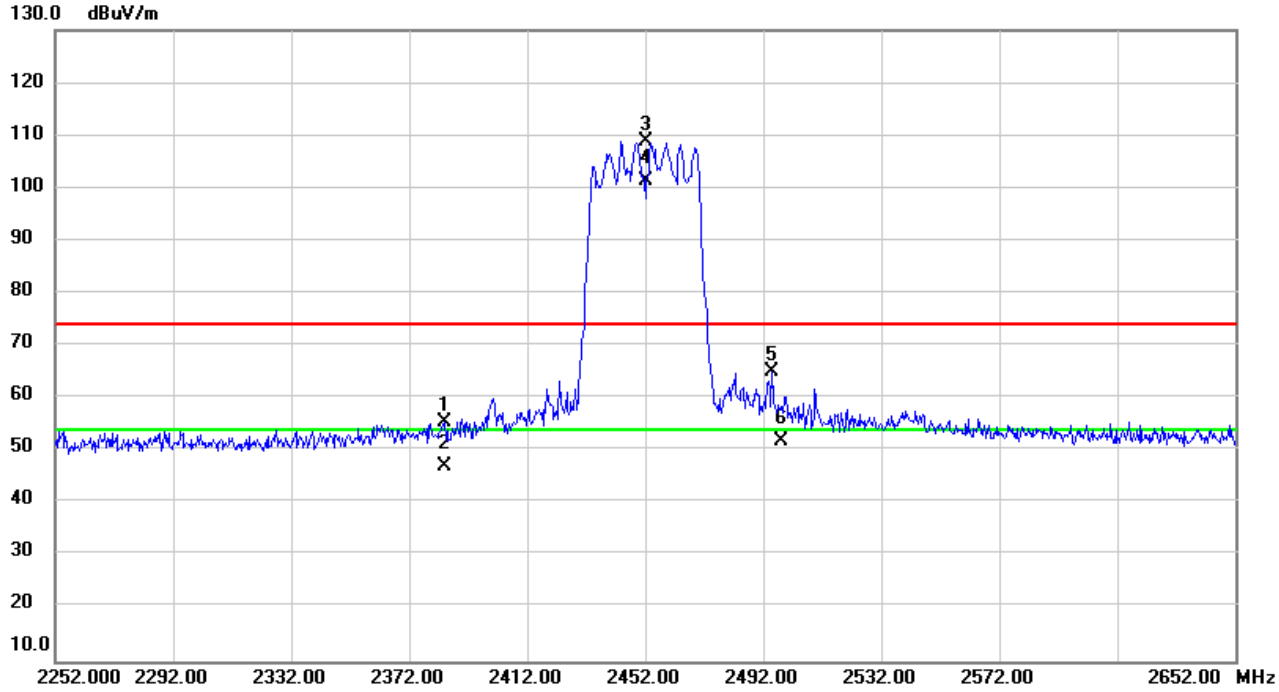
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/18
Test Frequency	2422MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2381.120	69.55	-5.42	64.13	74.00	-9.87	peak	
2		2381.120	56.66	-5.42	51.24	54.00	-2.76	AVG	
3		2400.000	70.87	-5.41	65.46	74.00	-8.54	peak	No Limit
4	X	2422.000	113.79	-5.38	108.41	74.00	34.41	peak	No Limit
5	*	2422.000	106.51	-5.38	101.13	54.00	47.13	AVG	No Limit
6		2491.427	62.39	-5.30	57.09	74.00	-16.91	peak	
7		2491.427	51.15	-5.30	45.85	54.00	-8.15	AVG	

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

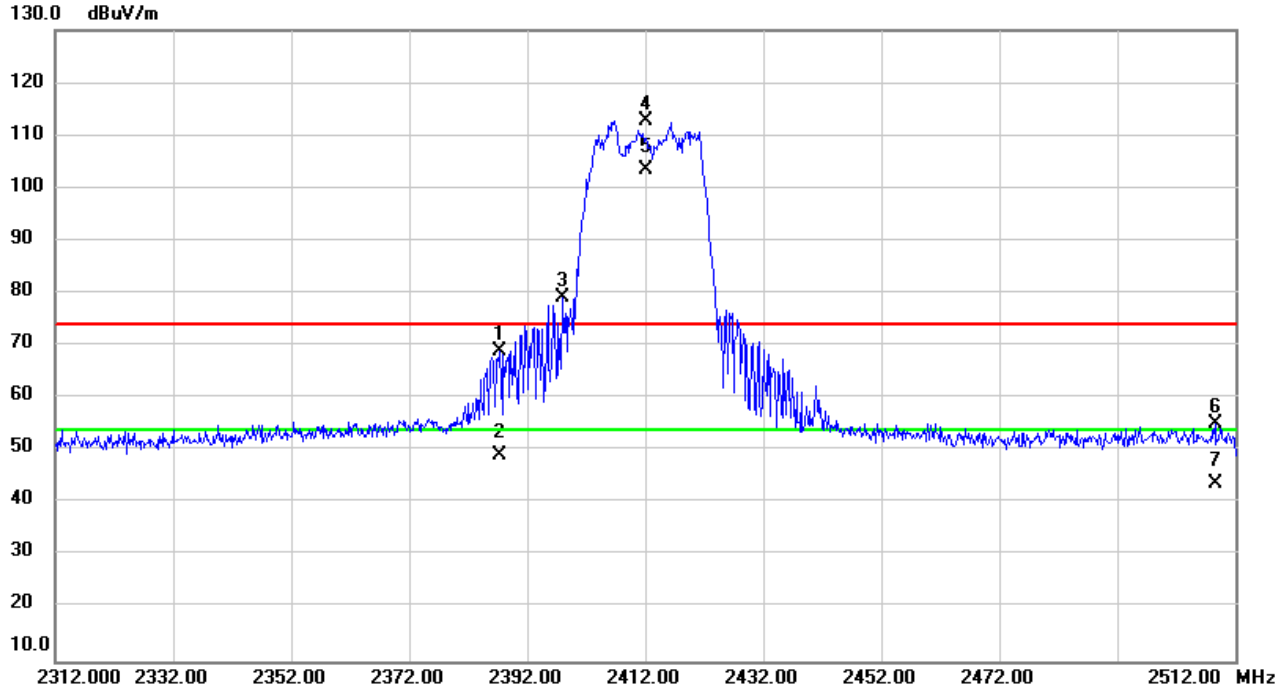
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/18
Test Frequency	2452MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.187	60.80	-5.43	55.37	74.00	-18.63	peak	
2		2384.187	52.57	-5.43	47.14	54.00	-6.86	AVG	
3	X	2452.000	114.13	-5.35	108.78	74.00	34.78	peak	No Limit
4	*	2452.000	106.64	-5.35	101.29	54.00	47.29	AVG	No Limit
5		2495.093	70.34	-5.29	65.05	74.00	-8.95	peak	
6		2498.093	57.21	-5.29	51.92	54.00	-2.08	AVG	

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

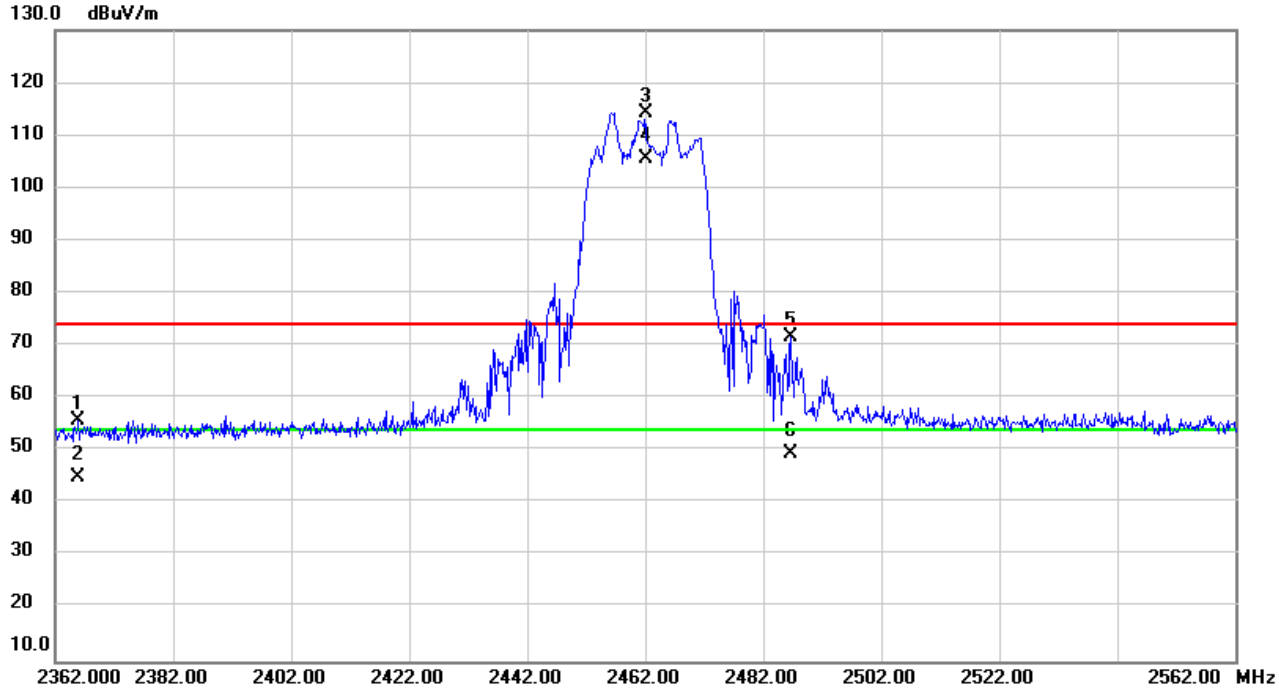
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.400	74.36	-5.42	68.94	74.00	-5.06	peak	
2		2387.400	54.48	-5.42	49.06	54.00	-4.94	AVG	
3	X	2397.987	84.42	-5.41	79.01	74.00	5.01	peak	No Limit
4	X	2412.000	118.03	-5.39	112.64	74.00	38.64	peak	No Limit
5	*	2412.000	108.75	-5.39	103.36	54.00	49.36	AVG	No Limit
6		2508.540	60.34	-5.25	55.09	74.00	-18.91	peak	
7		2508.540	49.15	-5.25	43.90	54.00	-10.10	AVG	

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

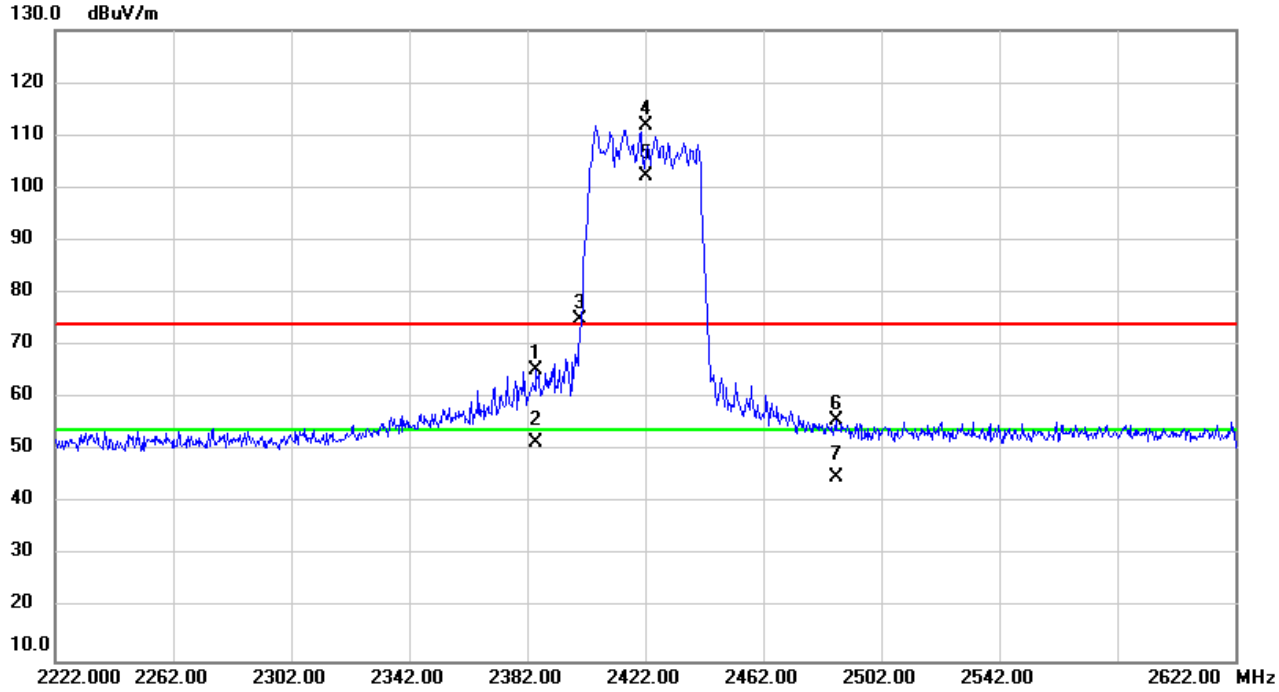
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2365.833	61.05	-5.44	55.61	74.00	-18.39	peak	
2		2365.833	50.30	-5.44	44.86	54.00	-9.14	AVG	
3	X	2462.000	119.67	-5.34	114.33	74.00	40.33	peak	No Limit
4	*	2462.000	111.00	-5.34	105.66	54.00	51.66	AVG	No Limit
5		2486.640	76.90	-5.30	71.60	74.00	-2.40	peak	
6		2486.640	54.87	-5.30	49.57	54.00	-4.43	AVG	

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

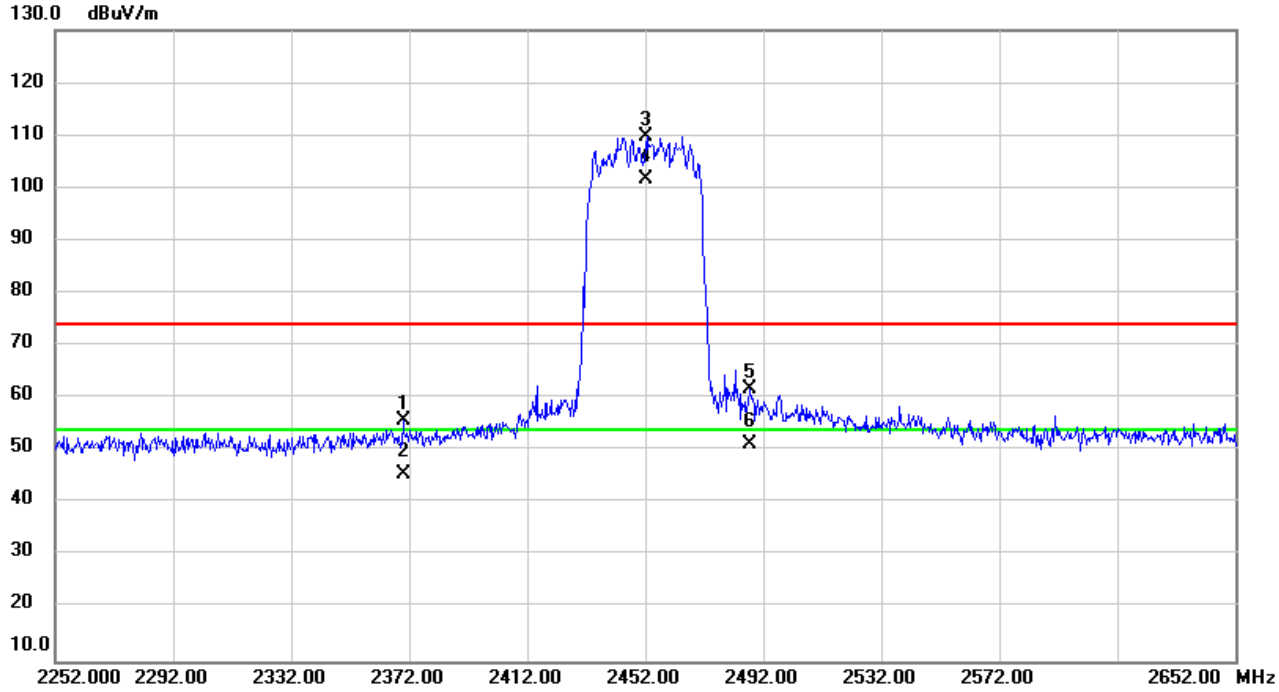
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/18
Test Frequency	2422MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.147	70.89	-5.42	65.47	74.00	-8.53	peak	
2		2385.147	56.91	-5.42	51.49	54.00	-2.51	AVG	
3	X	2400.000	80.46	-5.41	75.05	74.00	1.05	peak	No Limit
4	X	2422.000	117.36	-5.38	111.98	74.00	37.98	peak	No Limit
5	*	2422.000	107.52	-5.38	102.14	54.00	48.14	AVG	No Limit
6		2486.653	61.08	-5.30	55.78	74.00	-18.22	peak	
7		2486.653	50.14	-5.30	44.84	54.00	-9.16	AVG	

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

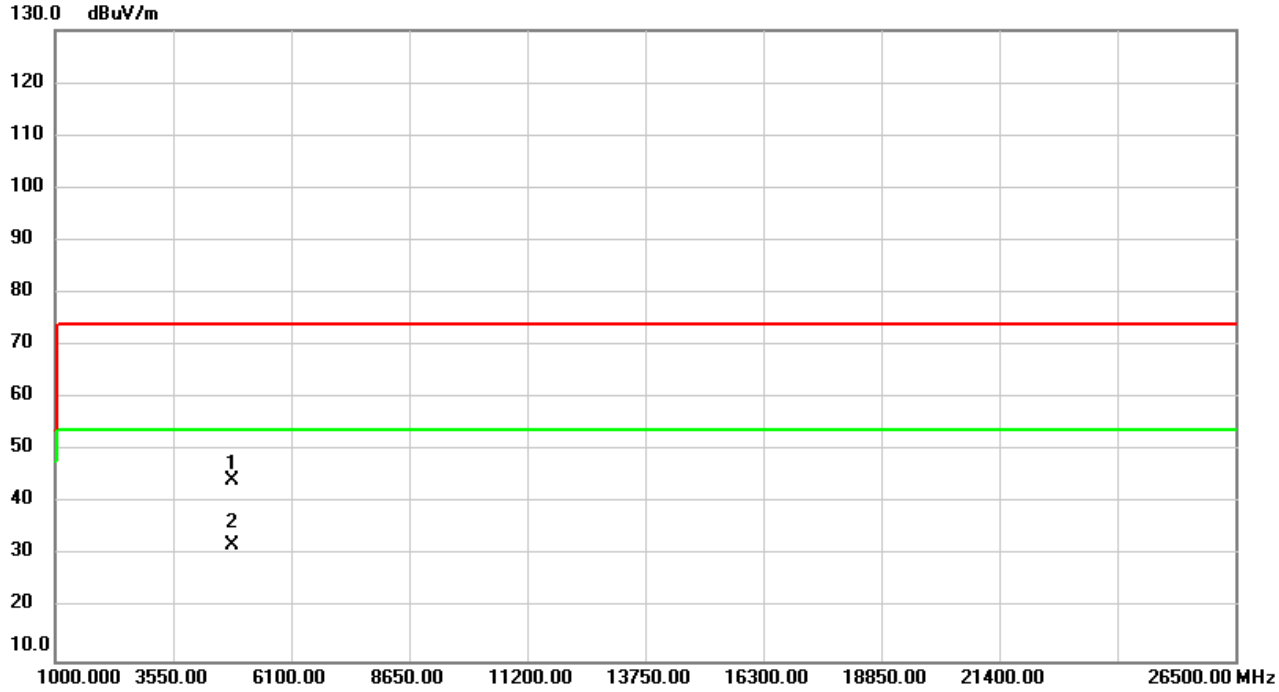
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/18
Test Frequency	2452MHz	Polarization	Horizontal
Temp	21°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2369.907	61.23	-5.43	55.80	74.00	-18.20	peak	
2		2369.907	50.88	-5.43	45.45	54.00	-8.55	AVG	
3	X	2452.000	115.20	-5.35	109.85	74.00	35.85	peak	No Limit
4	*	2452.000	107.10	-5.35	101.75	54.00	47.75	AVG	No Limit
5		2487.600	66.97	-5.30	61.67	74.00	-12.33	peak	
6		2487.600	56.44	-5.30	51.14	54.00	-2.86	AVG	

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

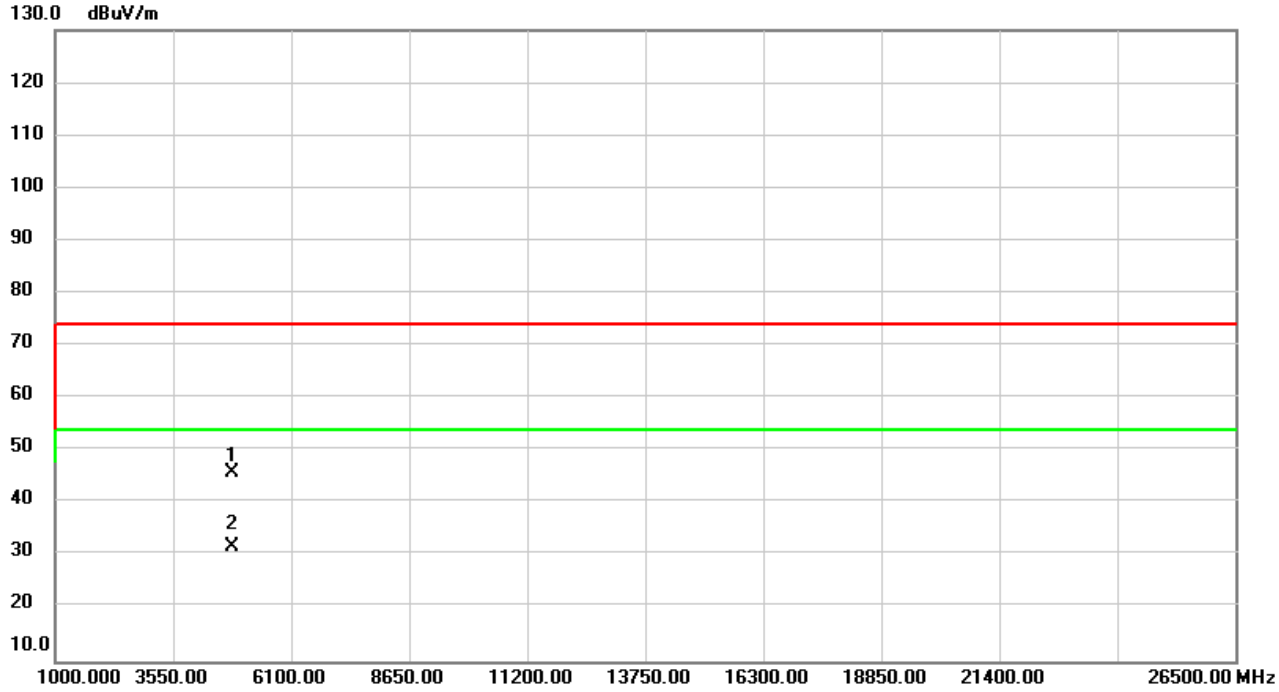
Test Mode	IEEE 802.11b	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	43.58	0.82	44.40	74.00	-29.60	peak	
2	*	4824.000	31.10	0.82	31.92	54.00	-22.08	AVG	

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

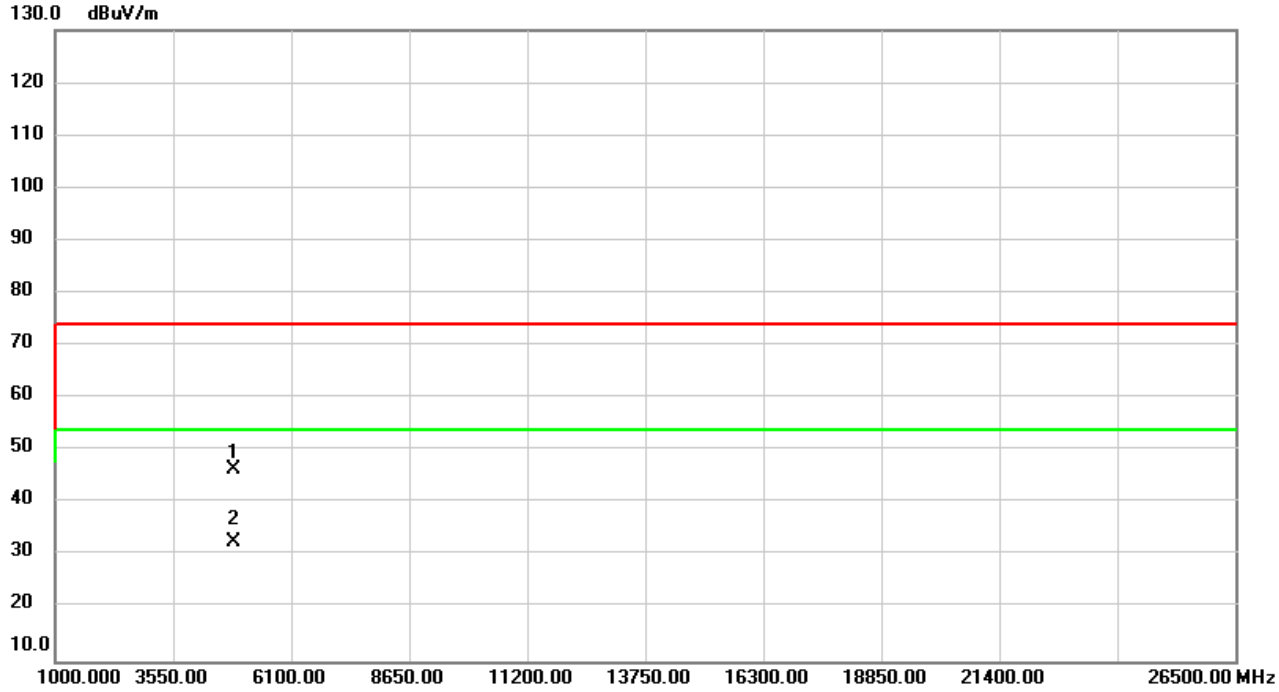
Test Mode	IEEE 802.11b	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	45.06	0.82	45.88	74.00	-28.12	peak	
2	*	4824.000	30.87	0.82	31.69	54.00	-22.31	AVG	

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

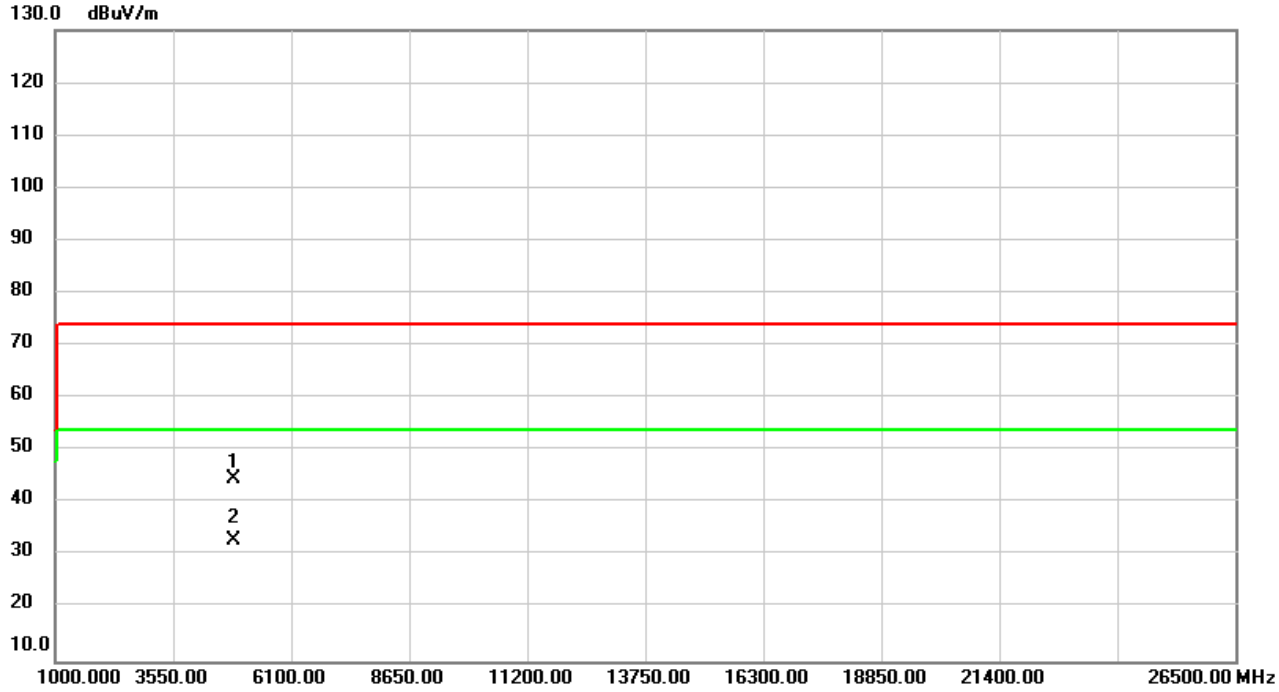
Test Mode	IEEE 802.11b	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	45.59	0.99	46.58	74.00	-27.42	peak	
2	*	4874.000	31.69	0.99	32.68	54.00	-21.32	AVG	

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

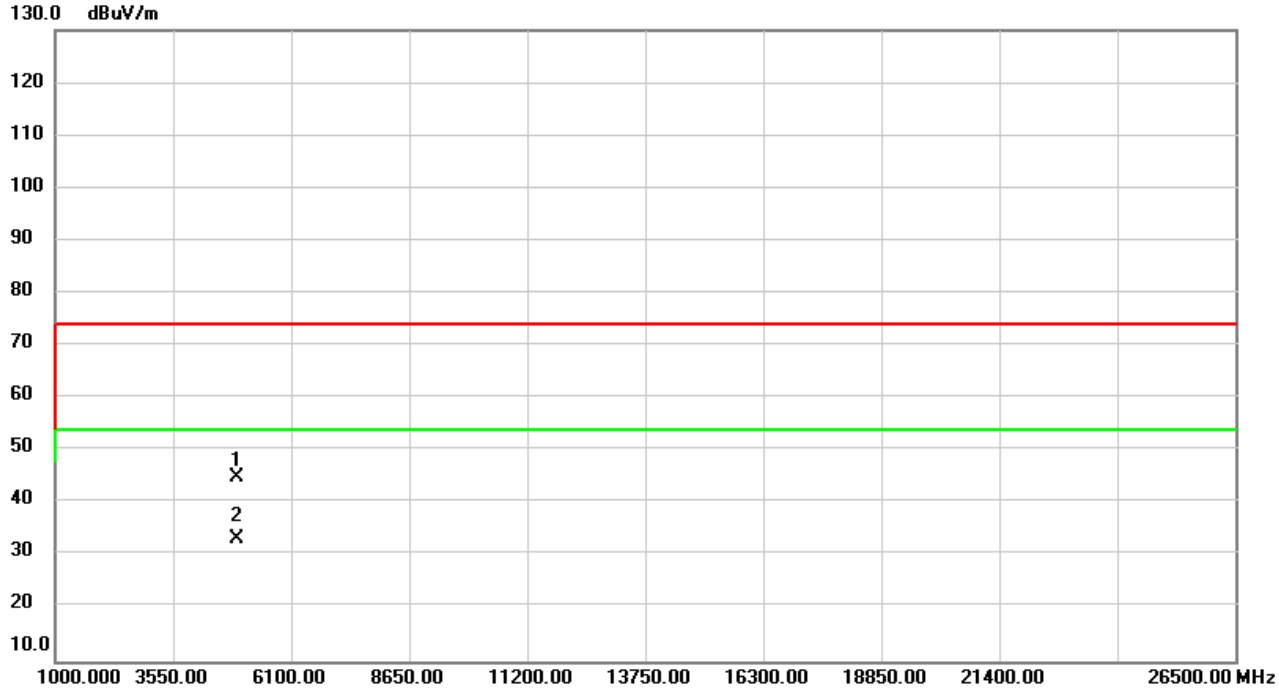
Test Mode	IEEE 802.11b	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	43.61	0.99	44.60	74.00	-29.40	peak	
2	*	4874.000	32.10	0.99	33.09	54.00	-20.91	AVG	

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

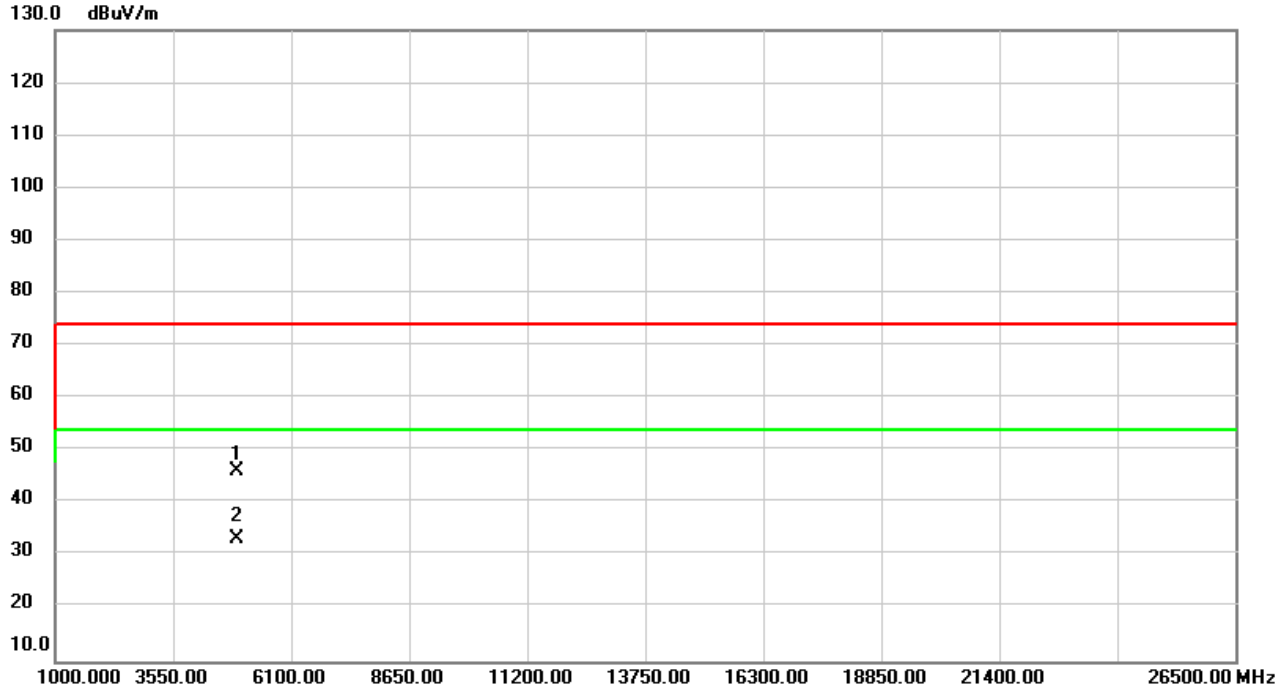
Test Mode	IEEE 802.11b	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	43.81	1.16	44.97	74.00	-29.03	peak	
2	*	4924.000	32.21	1.16	33.37	54.00	-20.63	AVG	

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

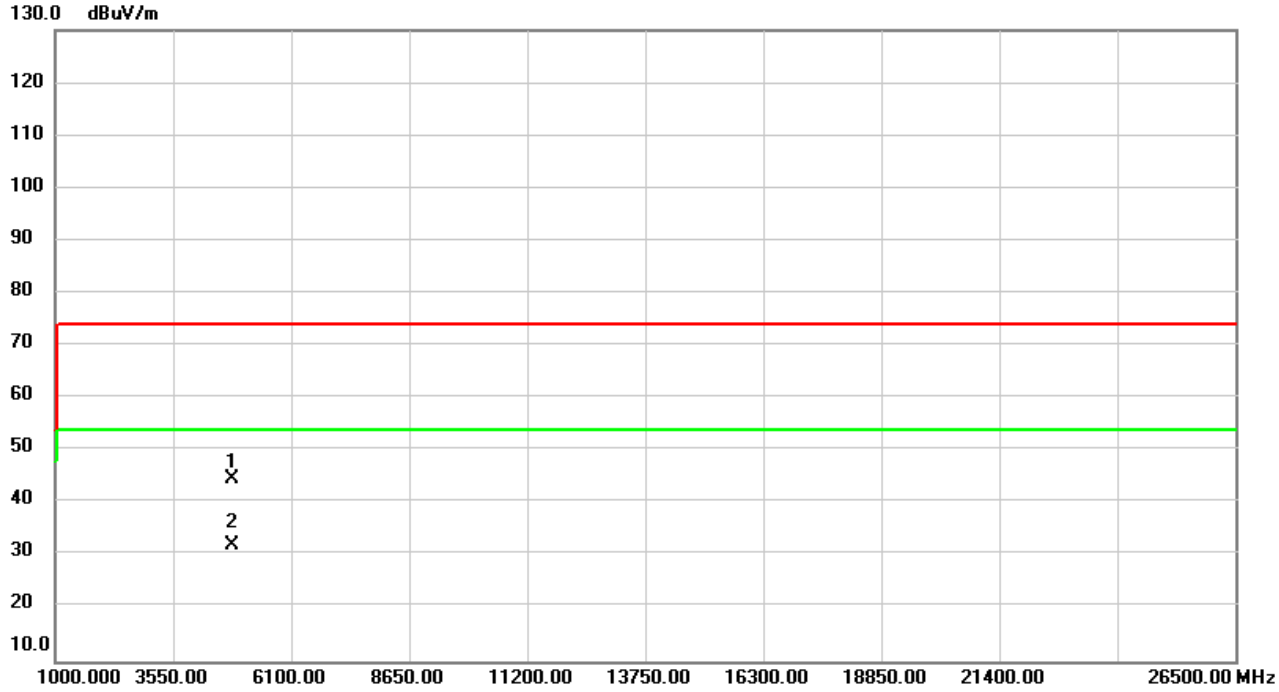
Test Mode	IEEE 802.11b	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	44.91	1.16	46.07	74.00	-27.93	peak	
2	*	4924.000	32.23	1.16	33.39	54.00	-20.61	AVG	

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

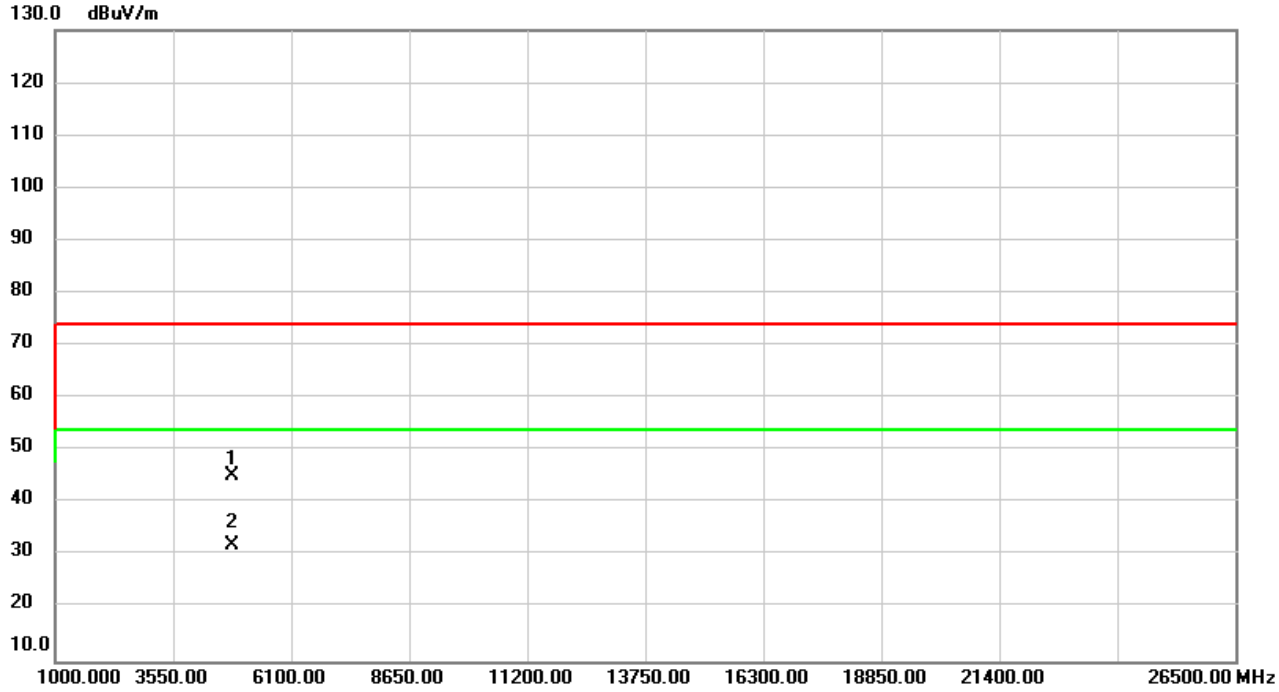
Test Mode	IEEE 802.11g	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	43.95	0.82	44.77	74.00	-29.23	peak	
2	*	4824.000	31.17	0.82	31.99	54.00	-22.01	AVG	

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

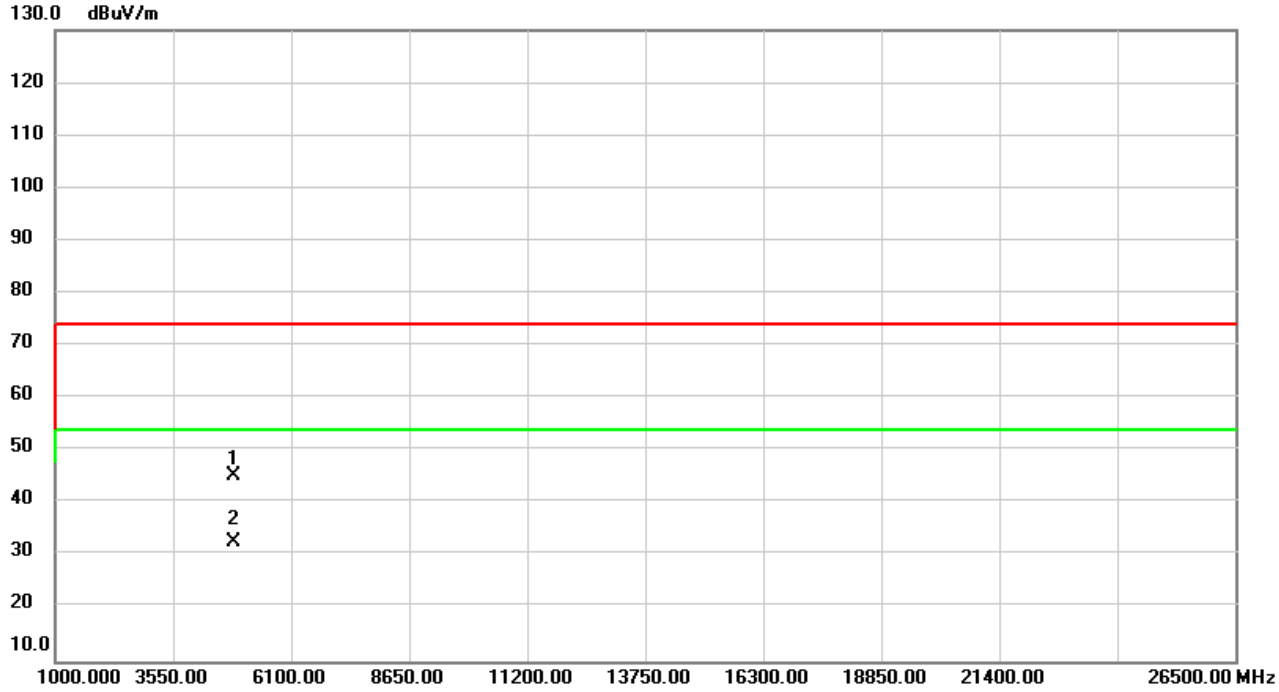
Test Mode	IEEE 802.11g	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	44.28	0.82	45.10	74.00	-28.90	peak	
2	*	4824.000	31.12	0.82	31.94	54.00	-22.06	AVG	

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

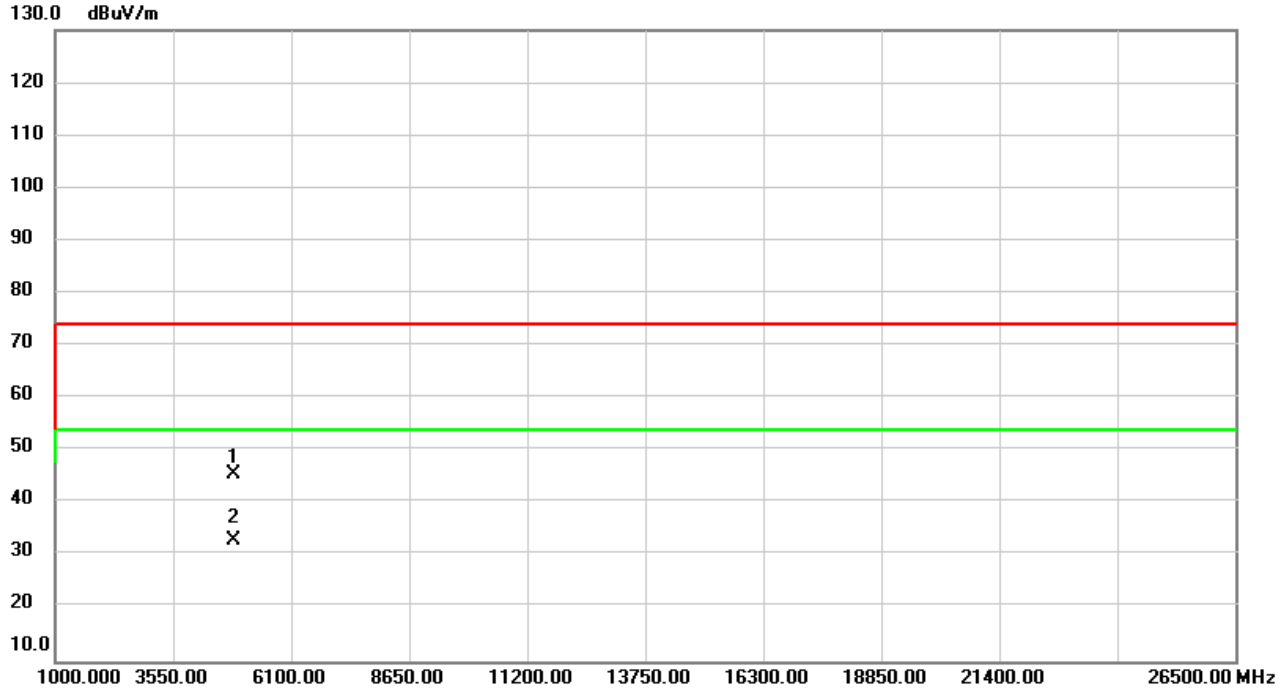
Test Mode	IEEE 802.11g	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.23	0.99	45.22	74.00	-28.78	peak	
2	*	4874.000	31.79	0.99	32.78	54.00	-21.22	AVG	

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

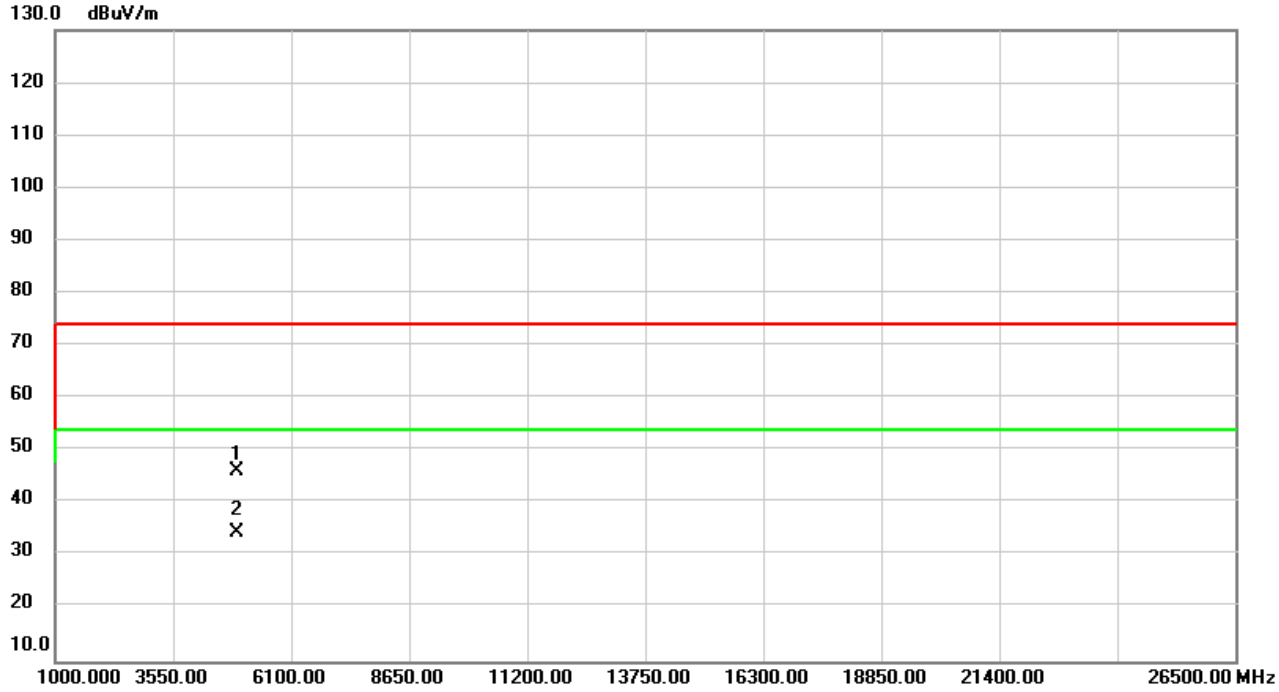
Test Mode	IEEE 802.11g	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.67	0.99	45.66	74.00	-28.34	peak	
2	*	4874.000	31.88	0.99	32.87	54.00	-21.13	AVG	

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

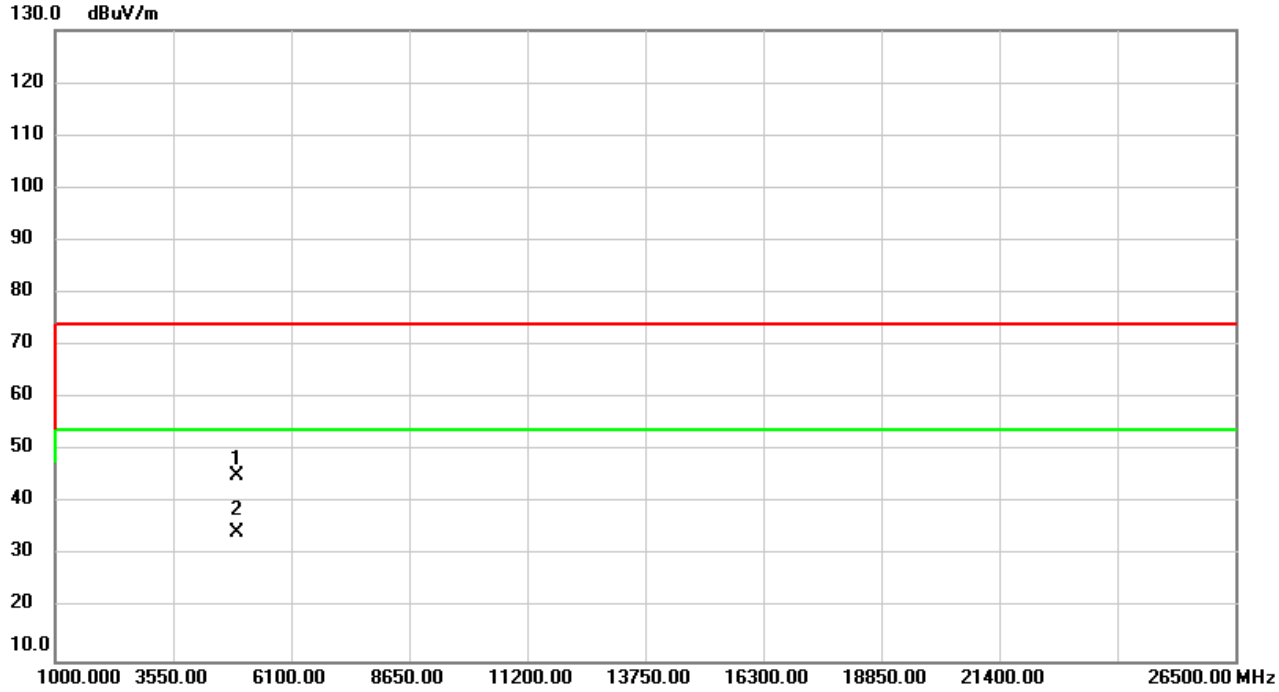
Test Mode	IEEE 802.11g	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	44.91	1.16	46.07	74.00	-27.93	peak	
2	*	4924.000	33.36	1.16	34.52	54.00	-19.48	AVG	

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

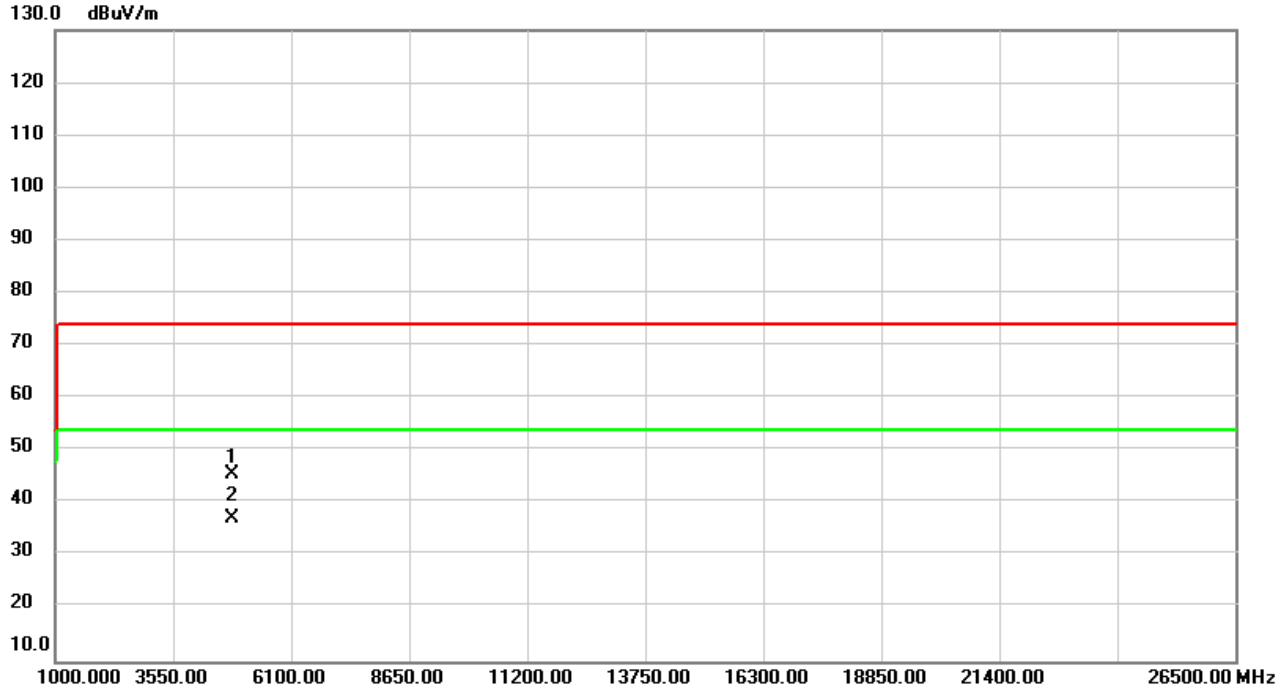
Test Mode	IEEE 802.11g	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	44.21	1.16	45.37	74.00	-28.63	peak	
2	*	4924.000	33.22	1.16	34.38	54.00	-19.62	AVG	

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

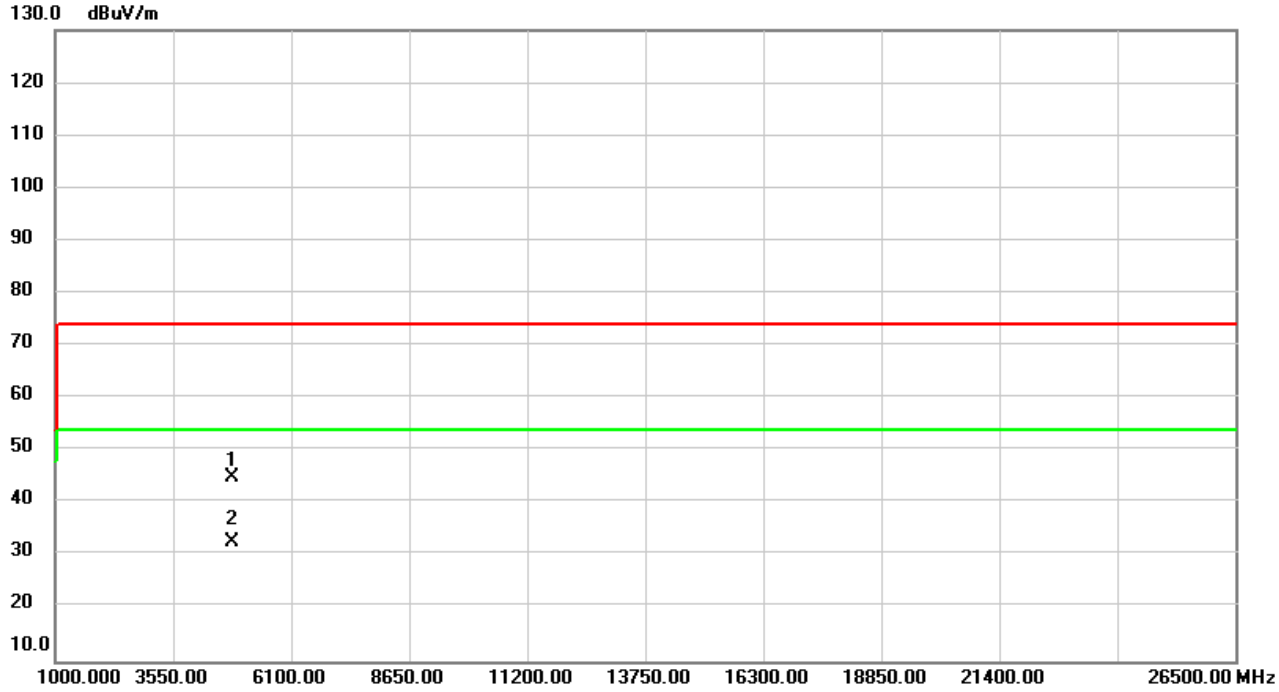
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	44.76	0.82	45.58	74.00	-28.42	peak	
2	*	4824.000	36.24	0.82	37.06	54.00	-16.94	AVG	

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

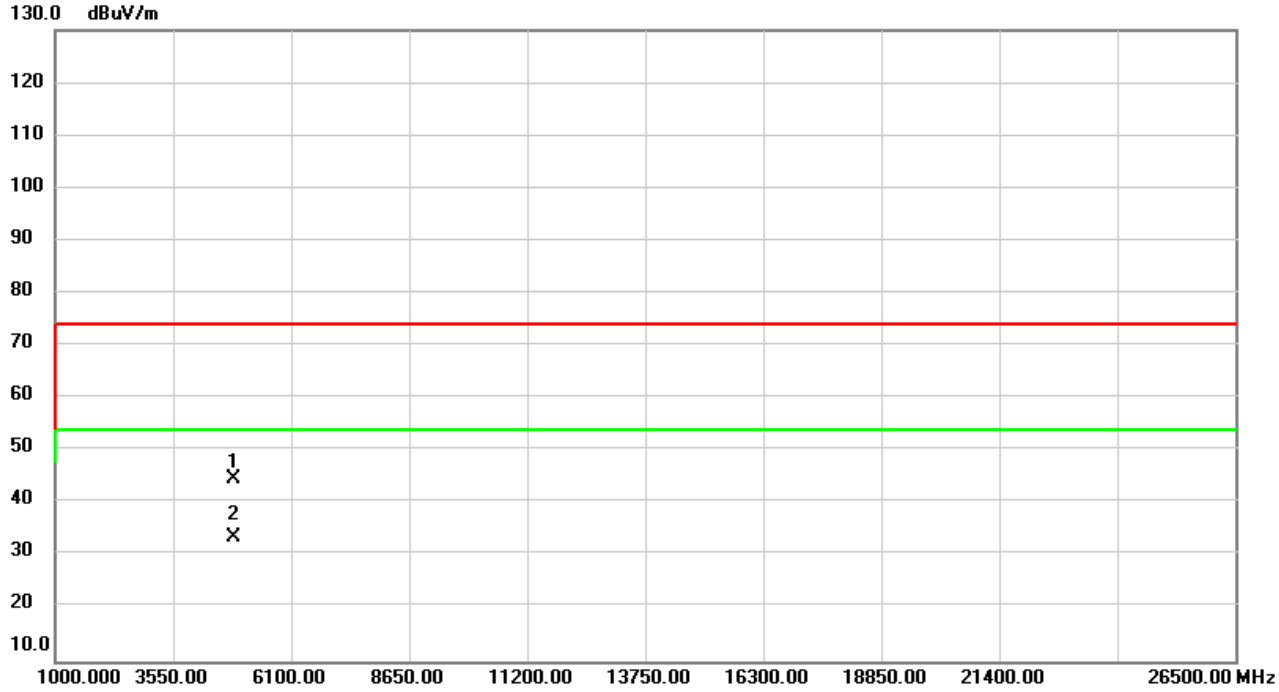
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	44.23	0.82	45.05	74.00	-28.95	peak	
2	*	4824.000	31.92	0.82	32.74	54.00	-21.26	AVG	

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

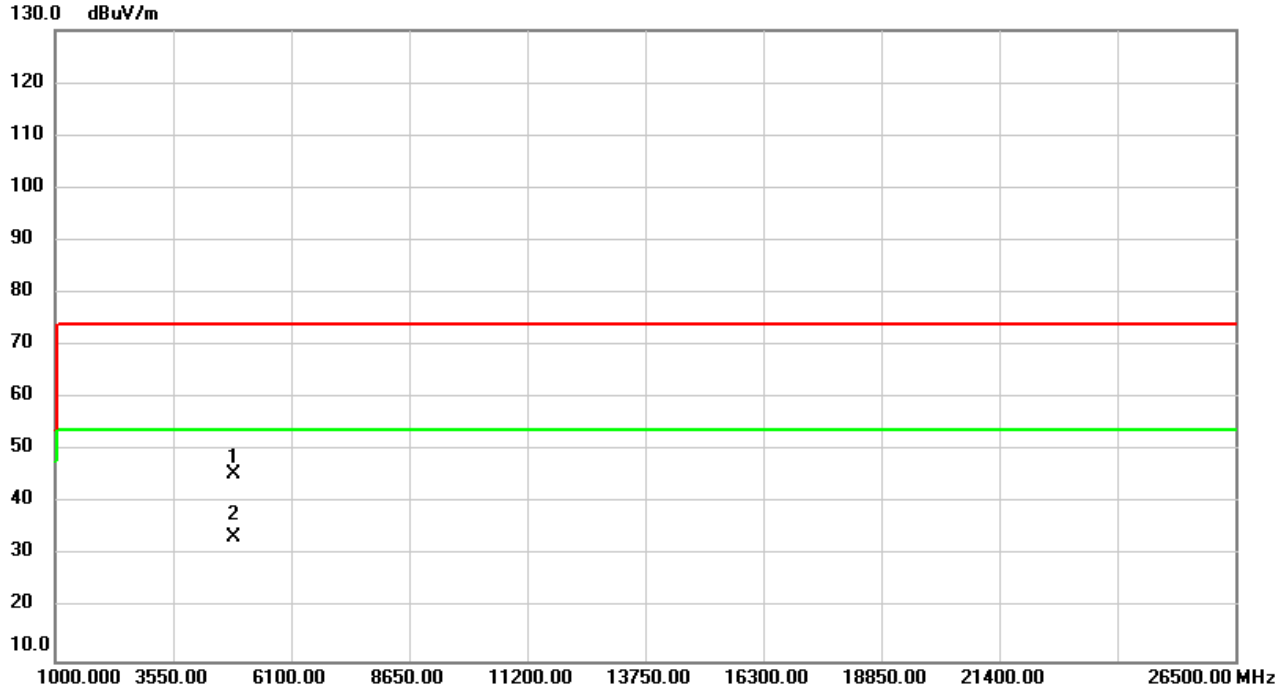
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	43.75	0.99	44.74	74.00	-29.26	peak	
2	*	4874.000	32.68	0.99	33.67	54.00	-20.33	AVG	

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

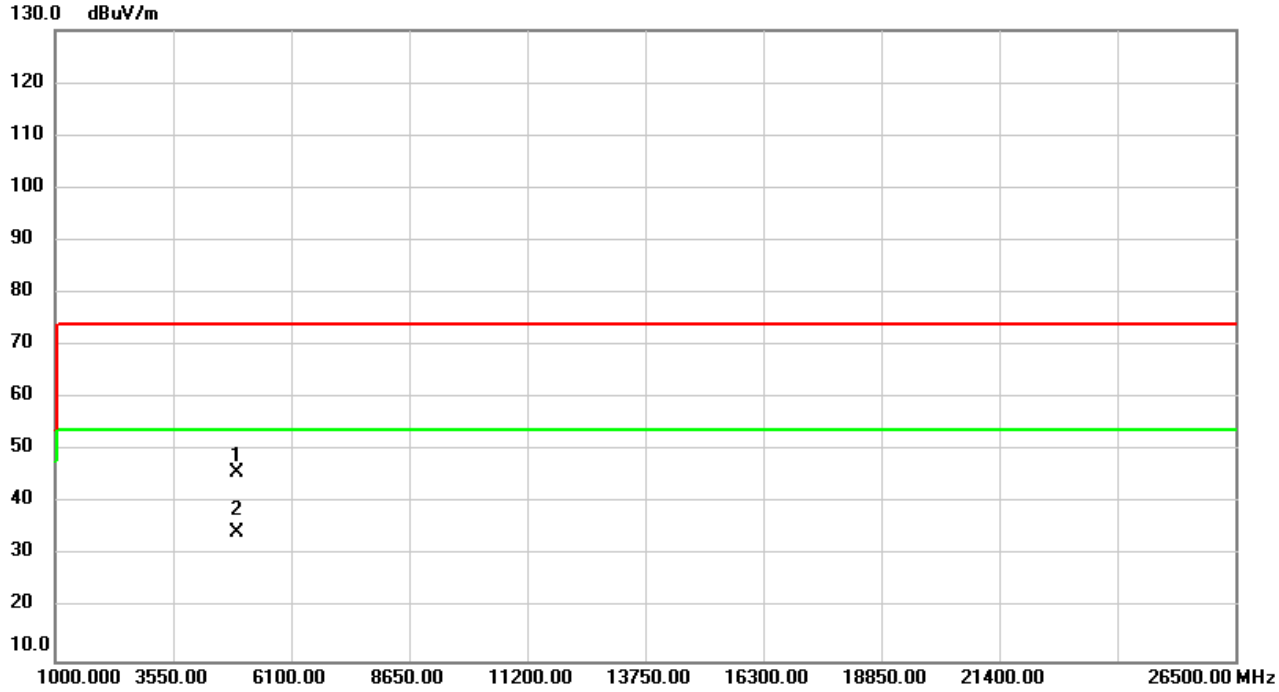
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.42	0.99	45.41	74.00	-28.59	peak	
2	*	4874.000	32.58	0.99	33.57	54.00	-20.43	AVG	

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

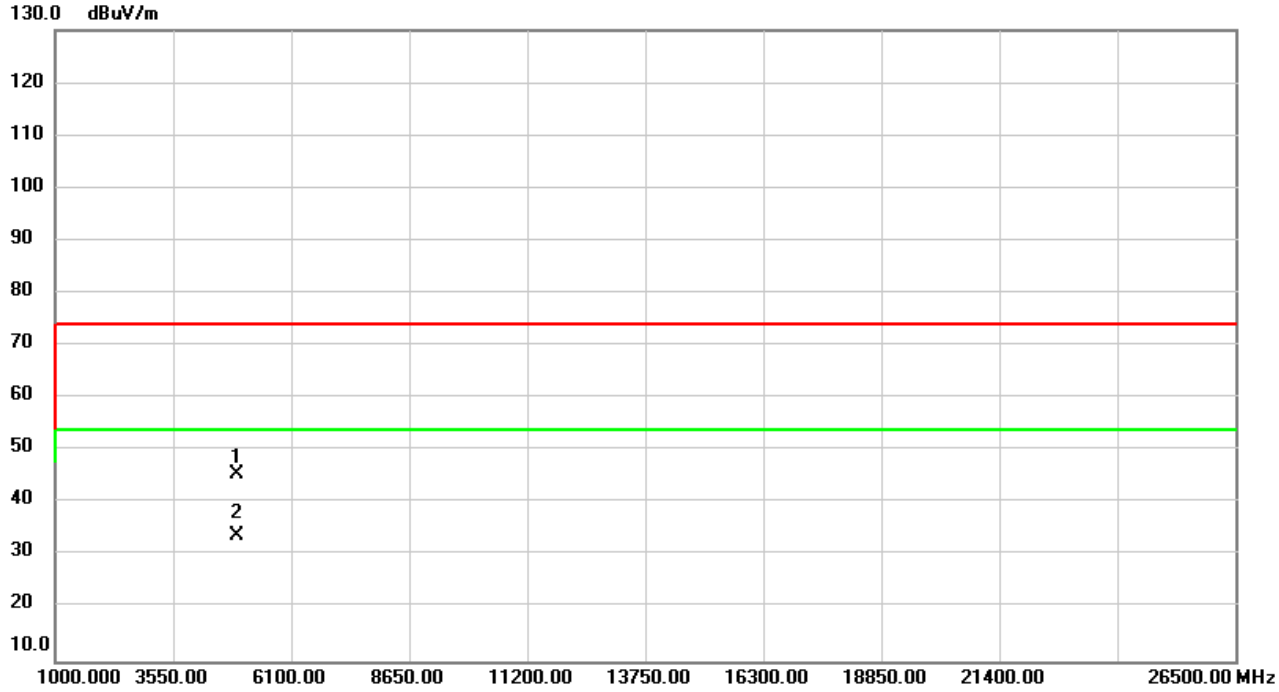
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	44.66	1.16	45.82	74.00	-28.18	peak	
2	*	4924.000	33.37	1.16	34.53	54.00	-19.47	AVG	

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

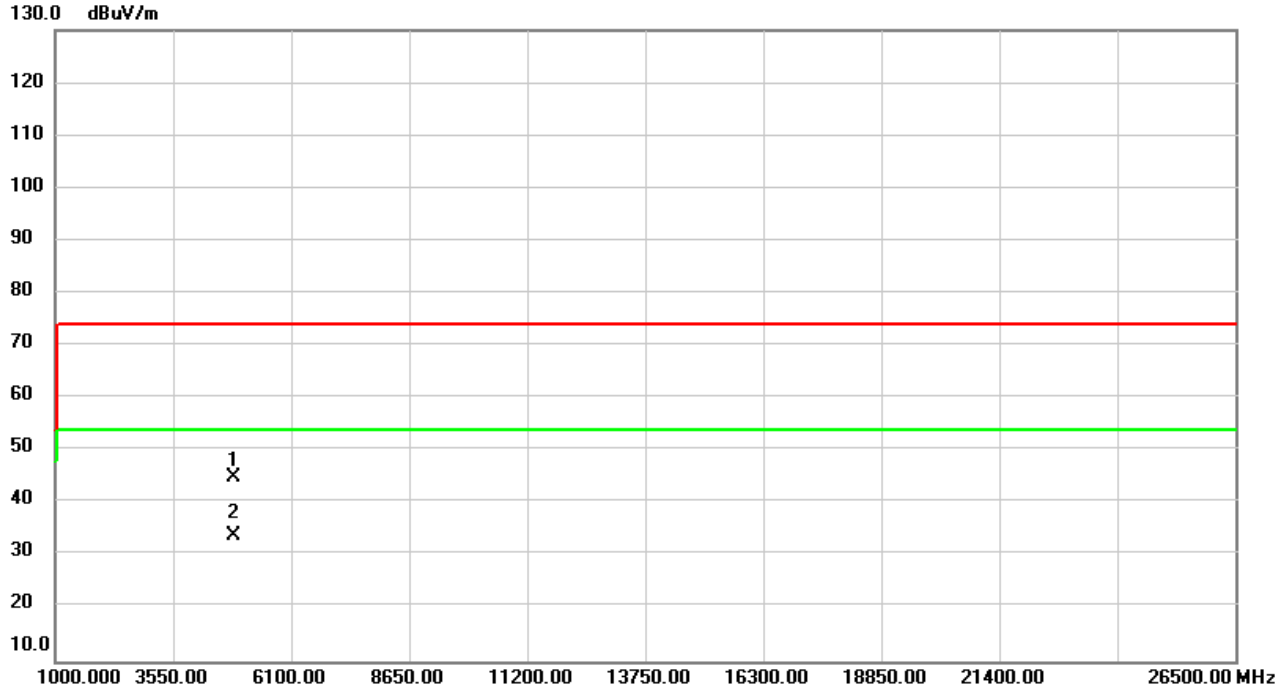
Test Mode	IEEE 802.11n (HT20)	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	44.47	1.16	45.63	74.00	-28.37	peak	
2	*	4924.000	32.69	1.16	33.85	54.00	-20.15	AVG	

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

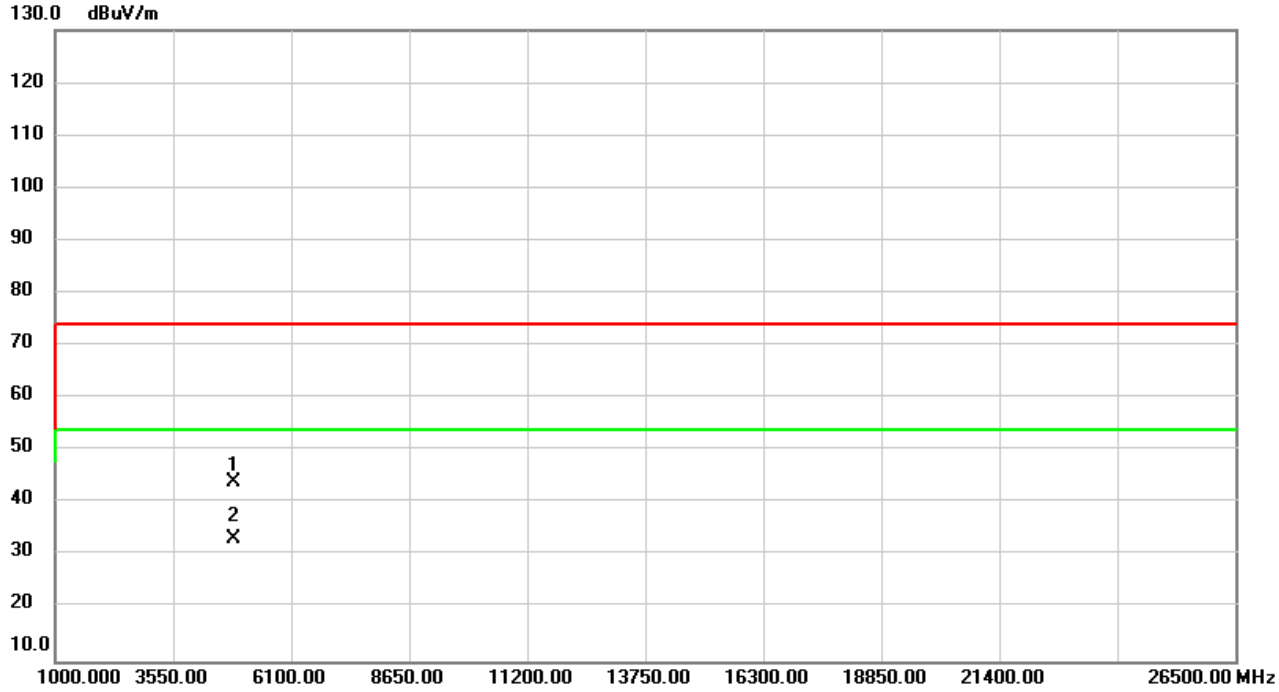
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/19
Test Frequency	2422MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	44.09	0.88	44.97	74.00	-29.03	peak	
2	*	4844.000	32.82	0.88	33.70	54.00	-20.30	AVG	

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

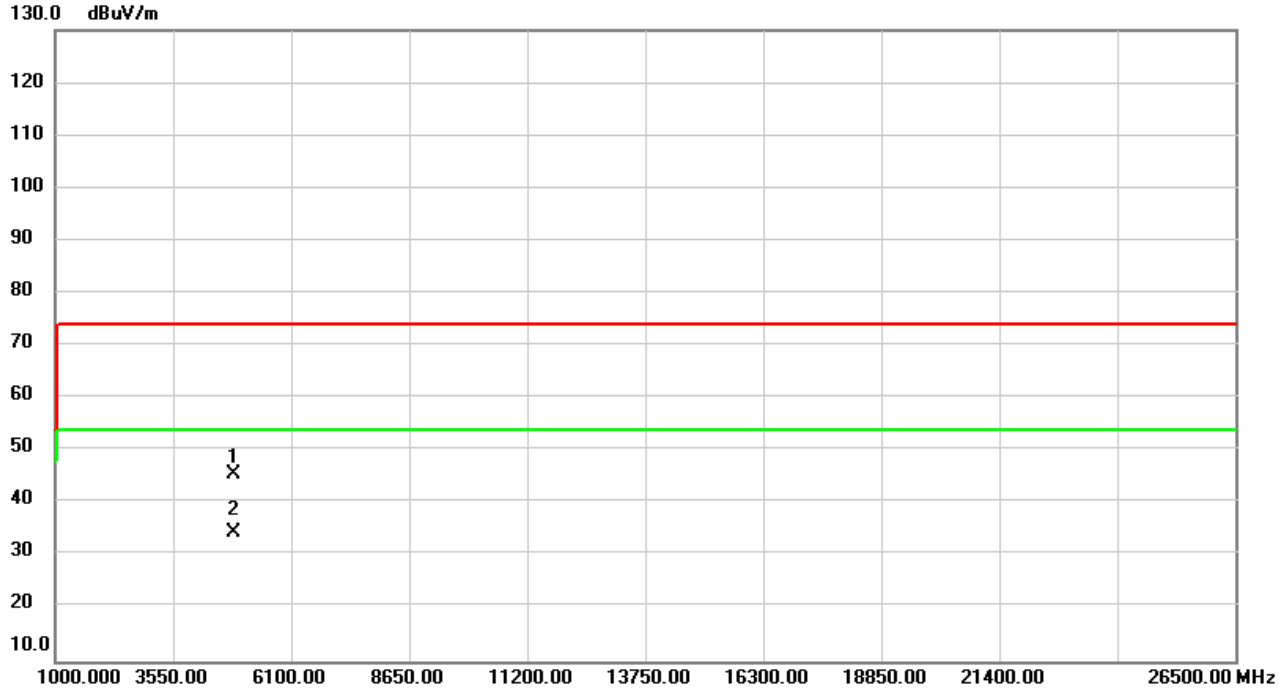
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/19
Test Frequency	2422MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	43.25	0.88	44.13	74.00	-29.87	peak	
2	*	4844.000	32.47	0.88	33.35	54.00	-20.65	AVG	

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

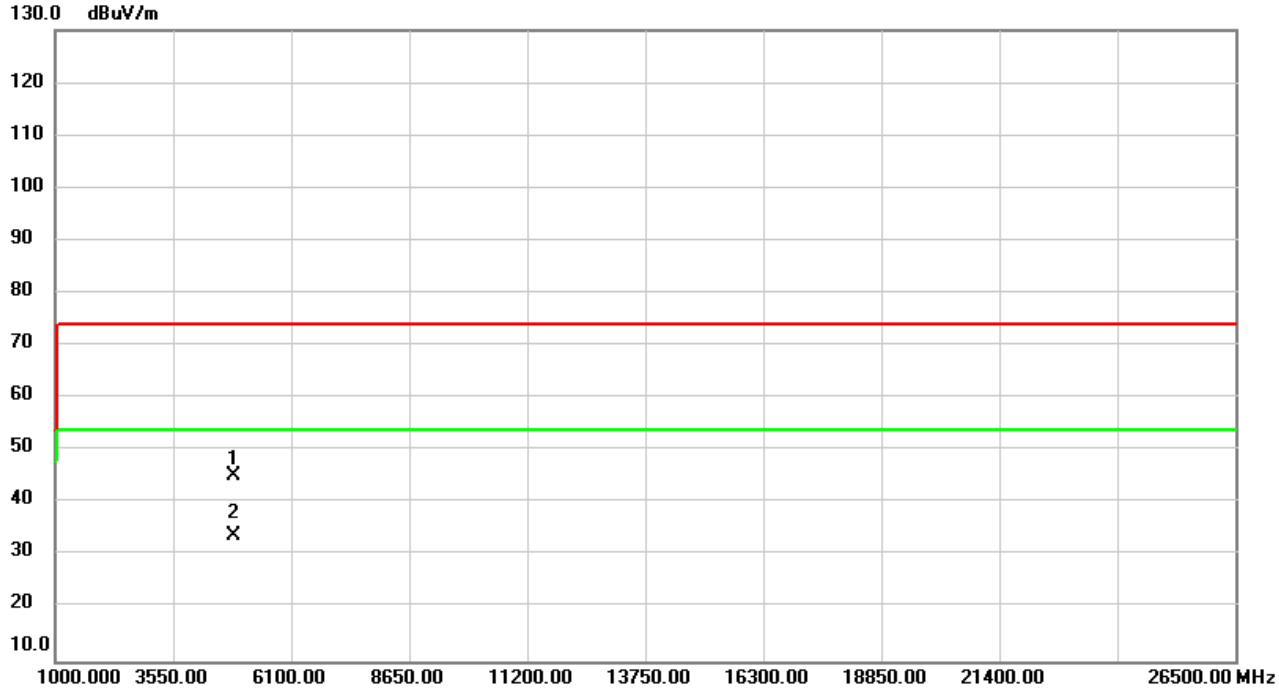
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.56	0.99	45.55	74.00	-28.45	peak	
2	*	4874.000	33.49	0.99	34.48	54.00	-19.52	AVG	

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

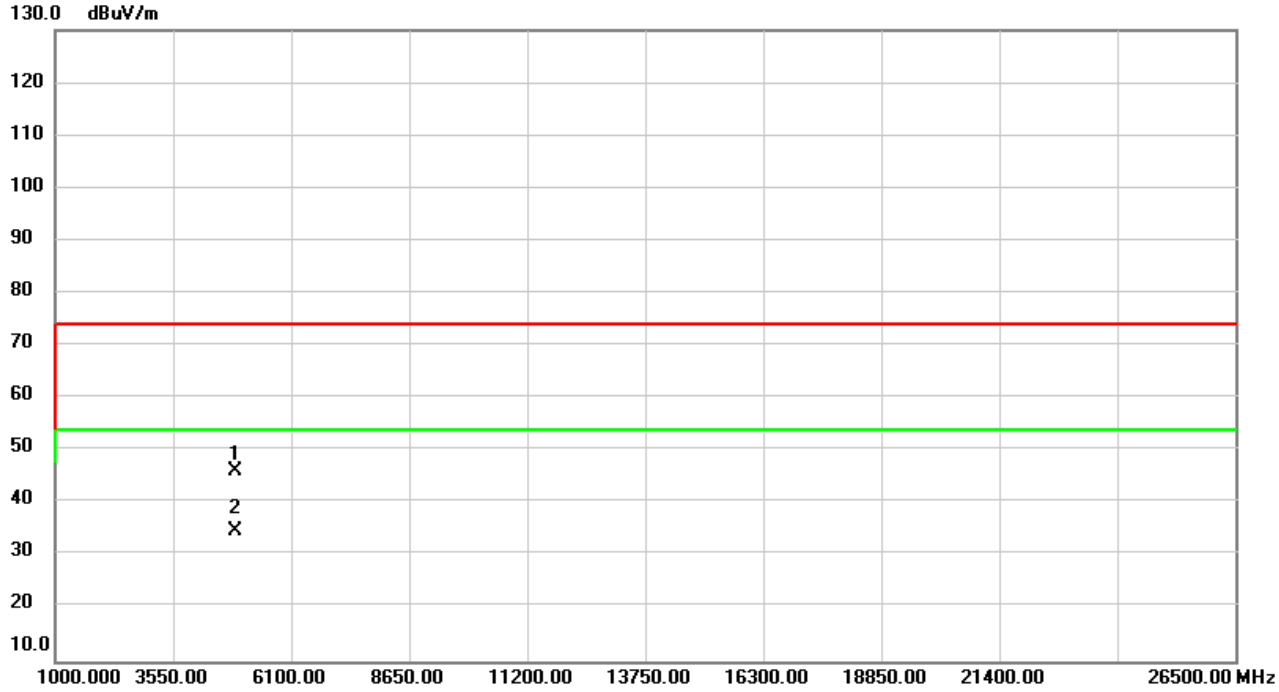
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.25	0.99	45.24	74.00	-28.76	peak	
2	*	4874.000	32.82	0.99	33.81	54.00	-20.19	AVG	

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

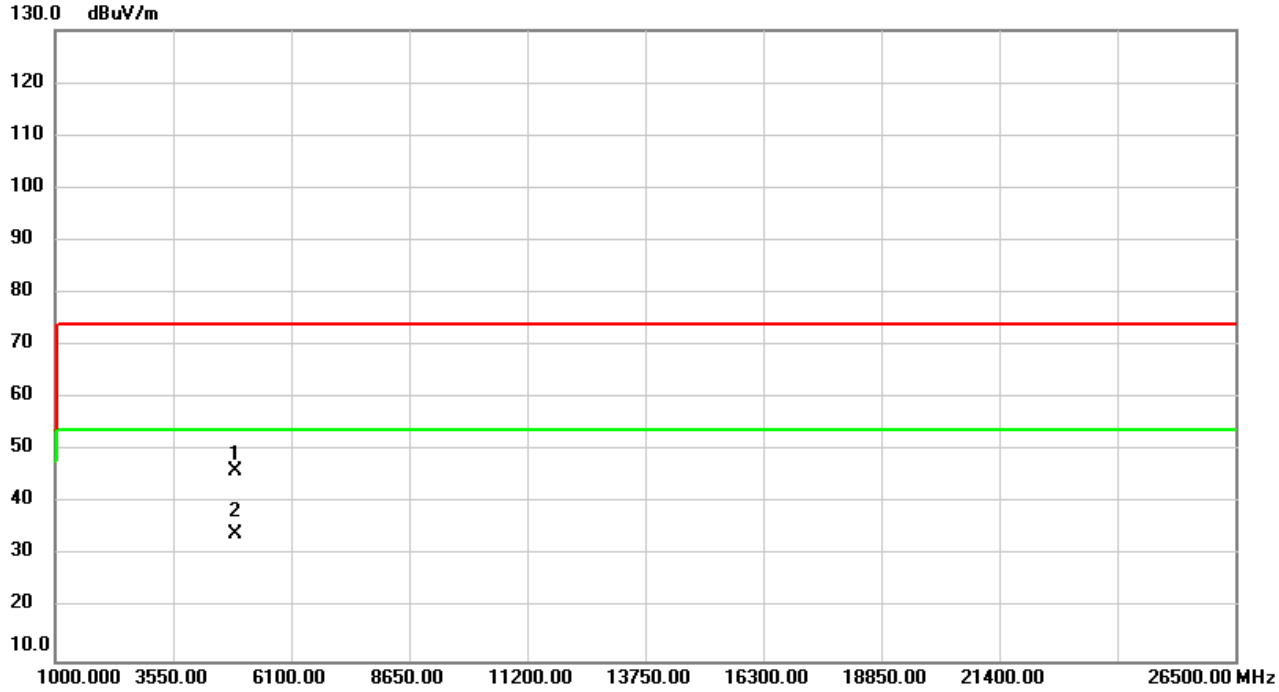
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/19
Test Frequency	2452MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	44.97	1.08	46.05	74.00	-27.95	peak	
2	*	4904.000	33.71	1.08	34.79	54.00	-19.21	AVG	

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

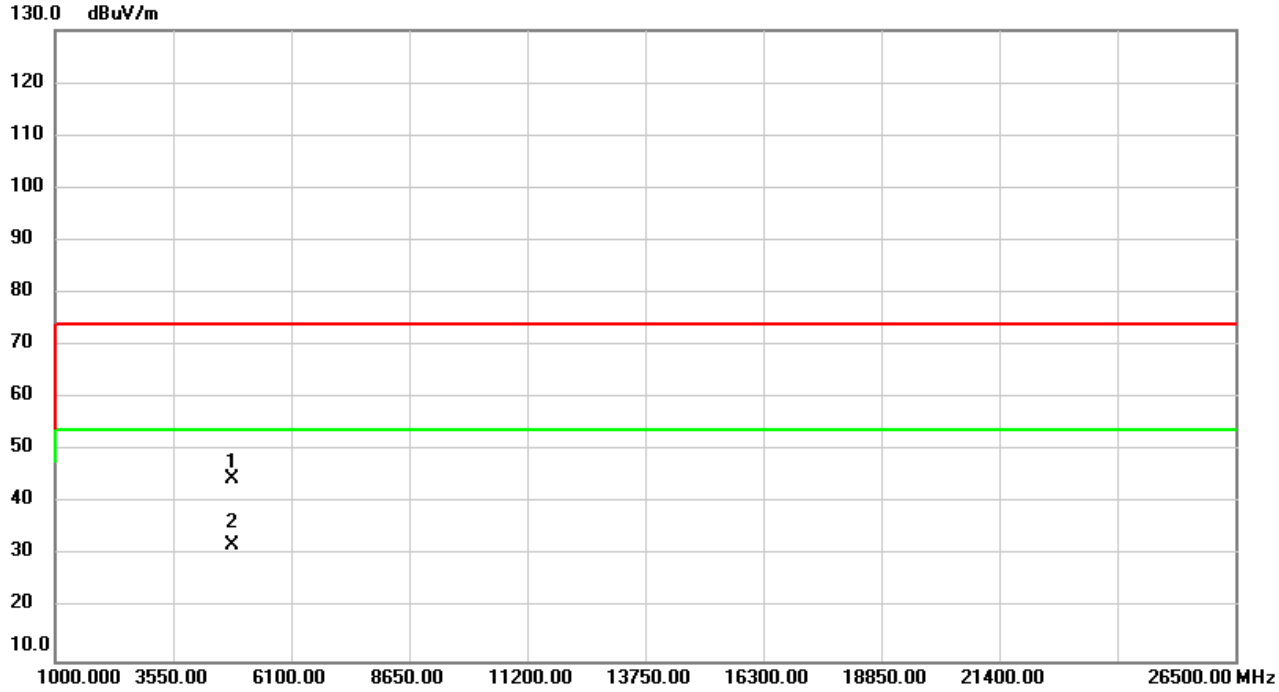
Test Mode	IEEE 802.11n (HT40)	Test Date	2023/4/19
Test Frequency	2452MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	44.97	1.08	46.05	74.00	-27.95	peak	
2	*	4904.000	32.93	1.08	34.01	54.00	-19.99	AVG	

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

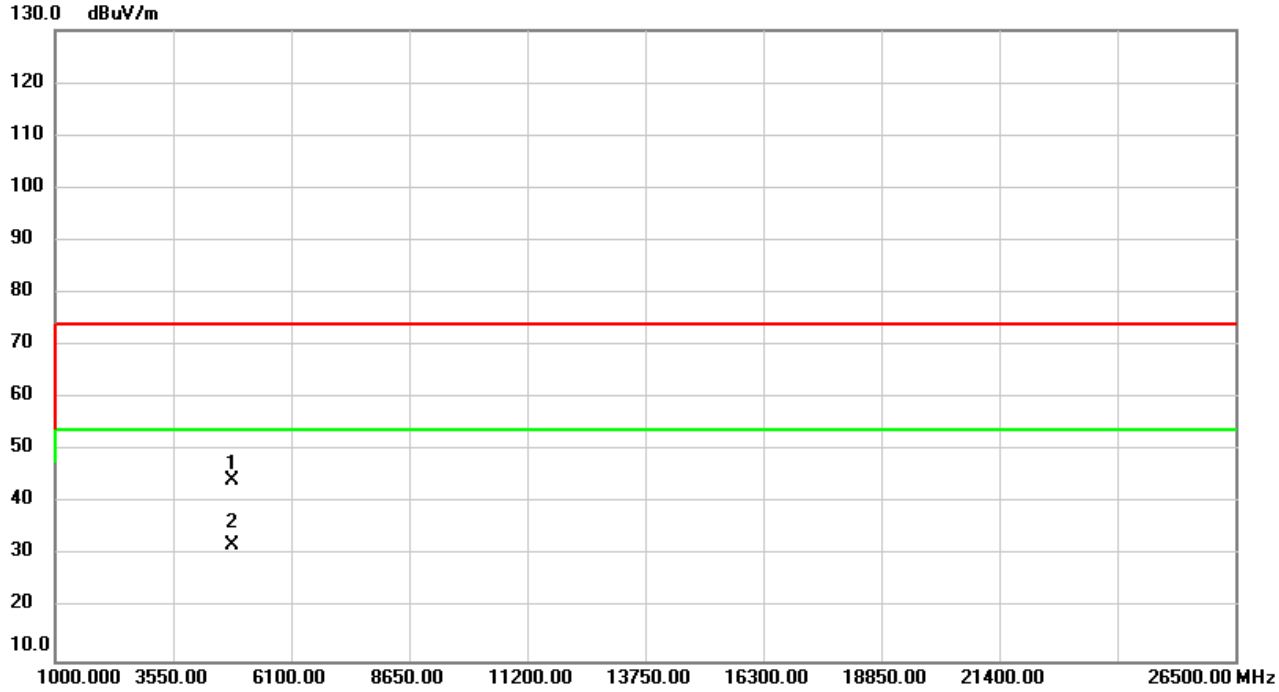
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	43.83	0.82	44.65	74.00	-29.35	peak	
2	*	4824.000	31.29	0.82	32.11	54.00	-21.89	AVG	

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

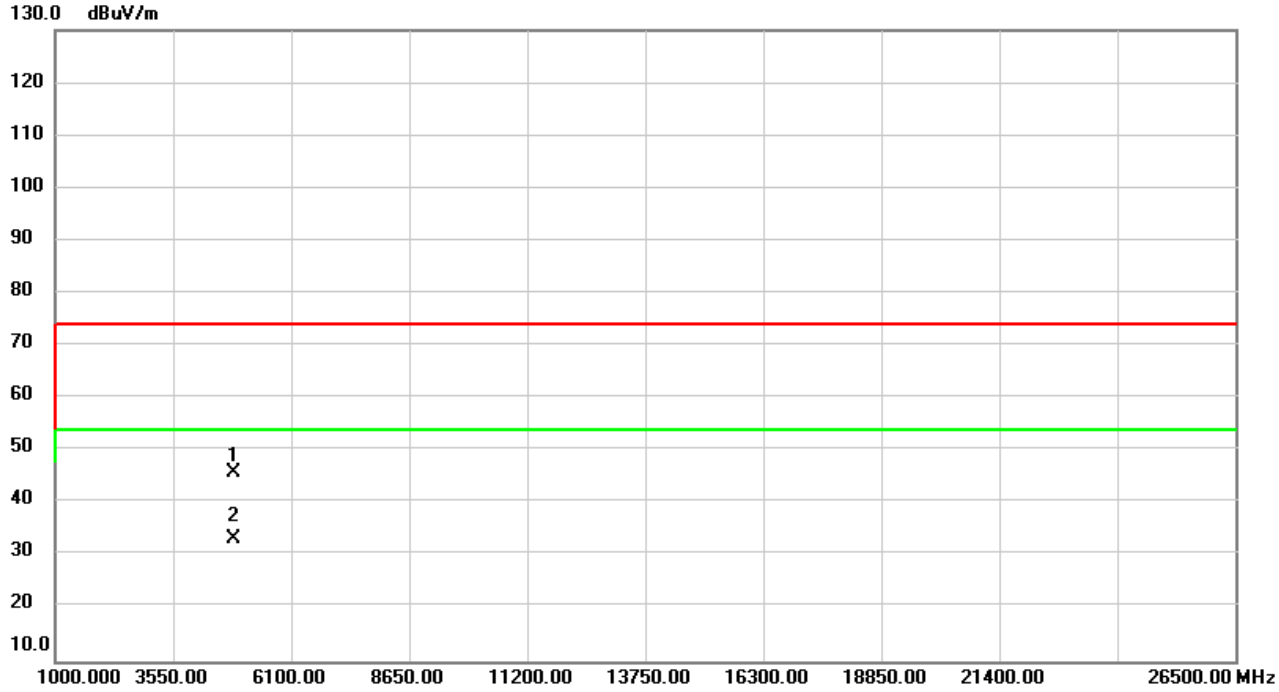
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/19
Test Frequency	2412MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	43.60	0.82	44.42	74.00	-29.58	peak	
2	*	4824.000	31.17	0.82	31.99	54.00	-22.01	AVG	

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

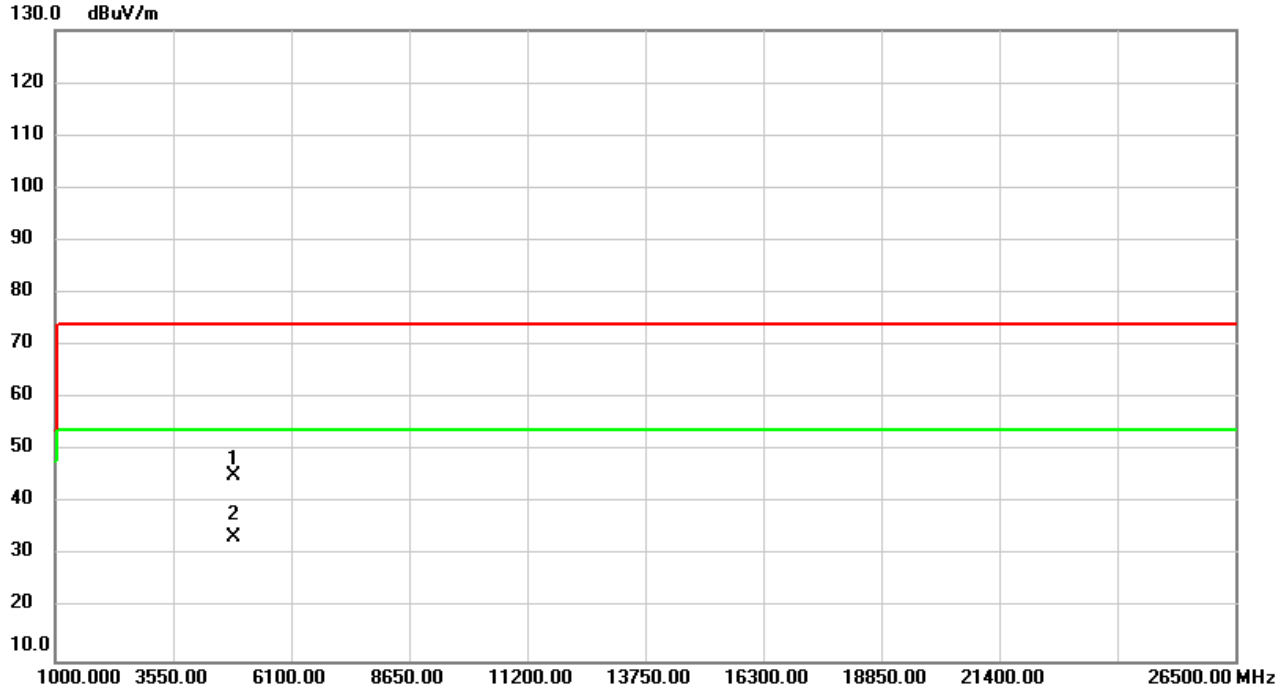
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.74	0.99	45.73	74.00	-28.27	peak	
2	*	4874.000	32.32	0.99	33.31	54.00	-20.69	AVG	

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

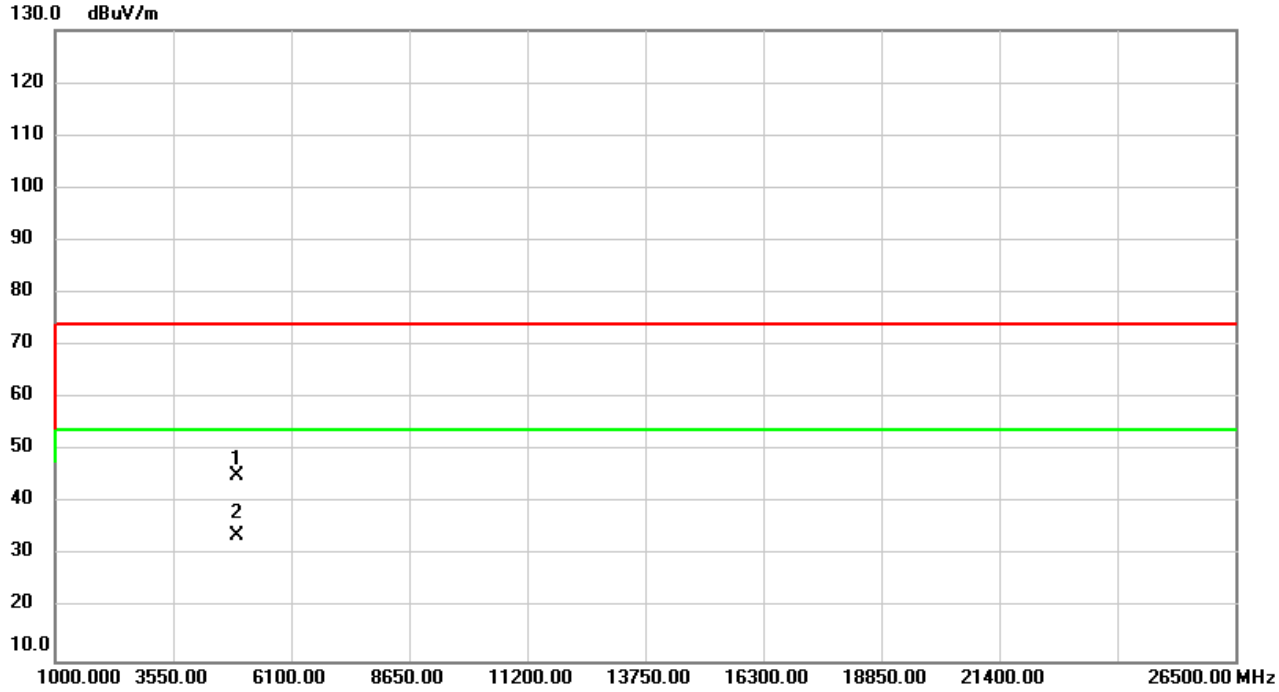
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.33	0.99	45.32	74.00	-28.68	peak	
2	*	4874.000	32.51	0.99	33.50	54.00	-20.50	AVG	

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

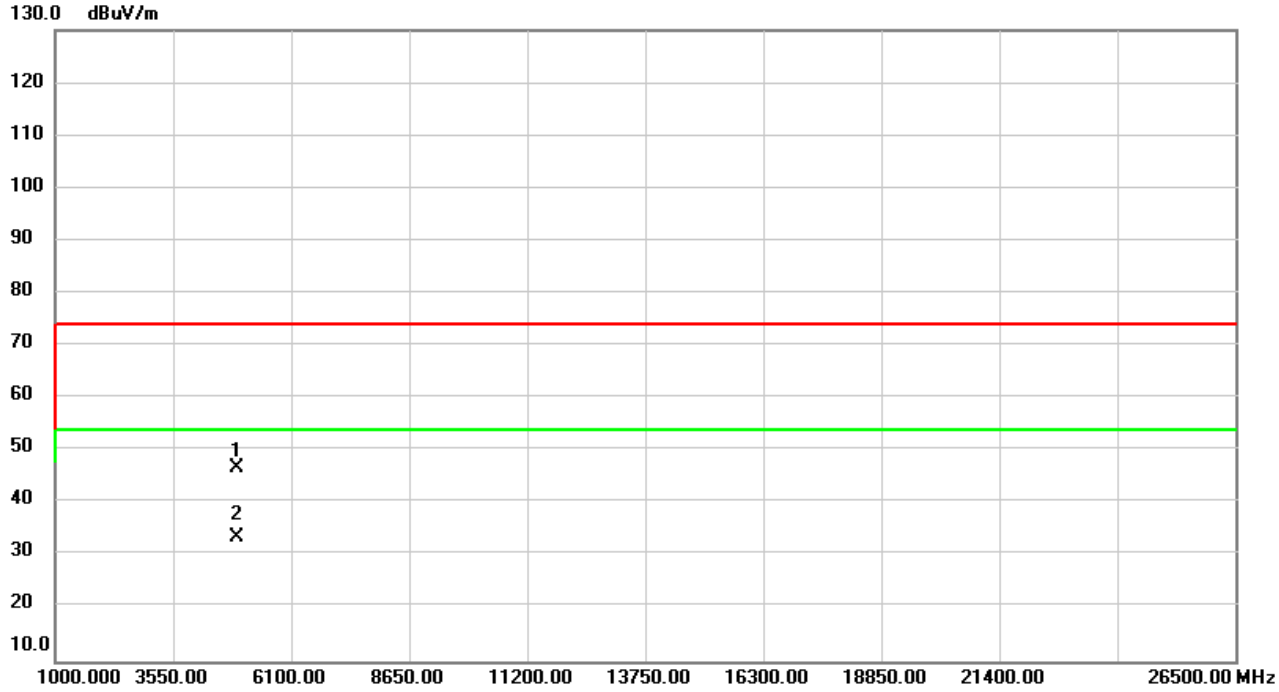
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	44.10	1.16	45.26	74.00	-28.74	peak	
2	*	4924.000	32.80	1.16	33.96	54.00	-20.04	AVG	

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

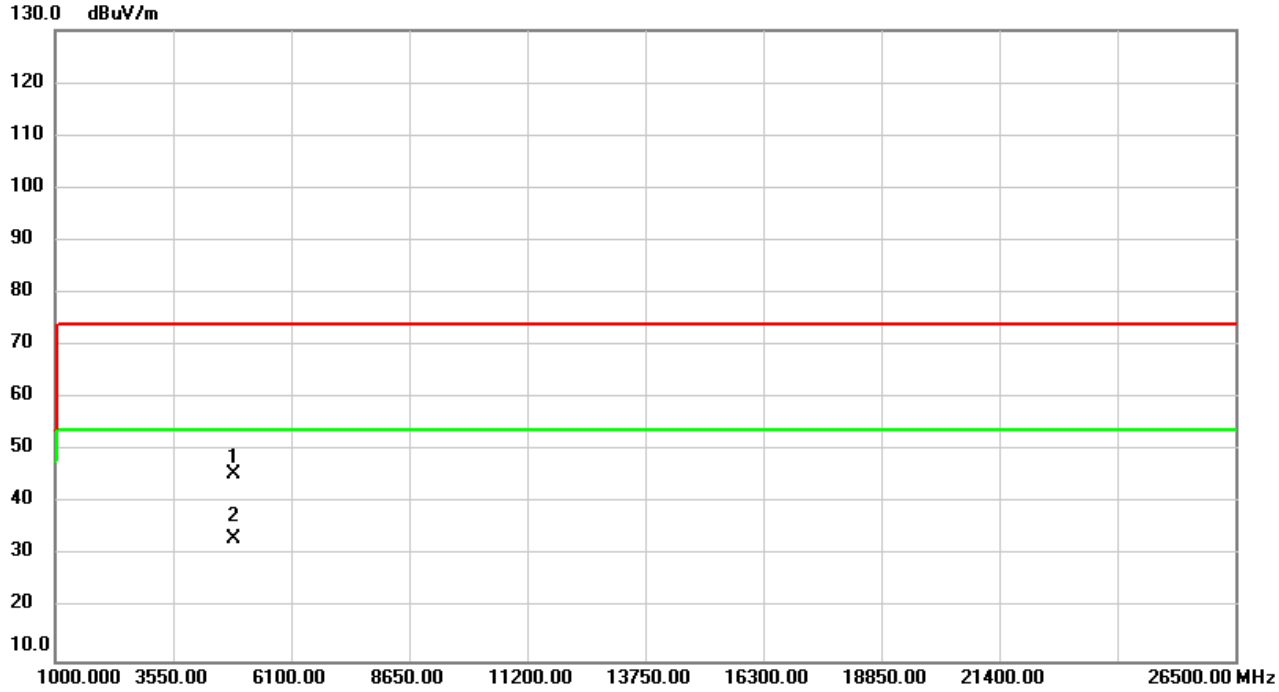
Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/4/19
Test Frequency	2462MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	45.57	1.16	46.73	74.00	-27.27	peak	
2	*	4924.000	32.46	1.16	33.62	54.00	-20.38	AVG	

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

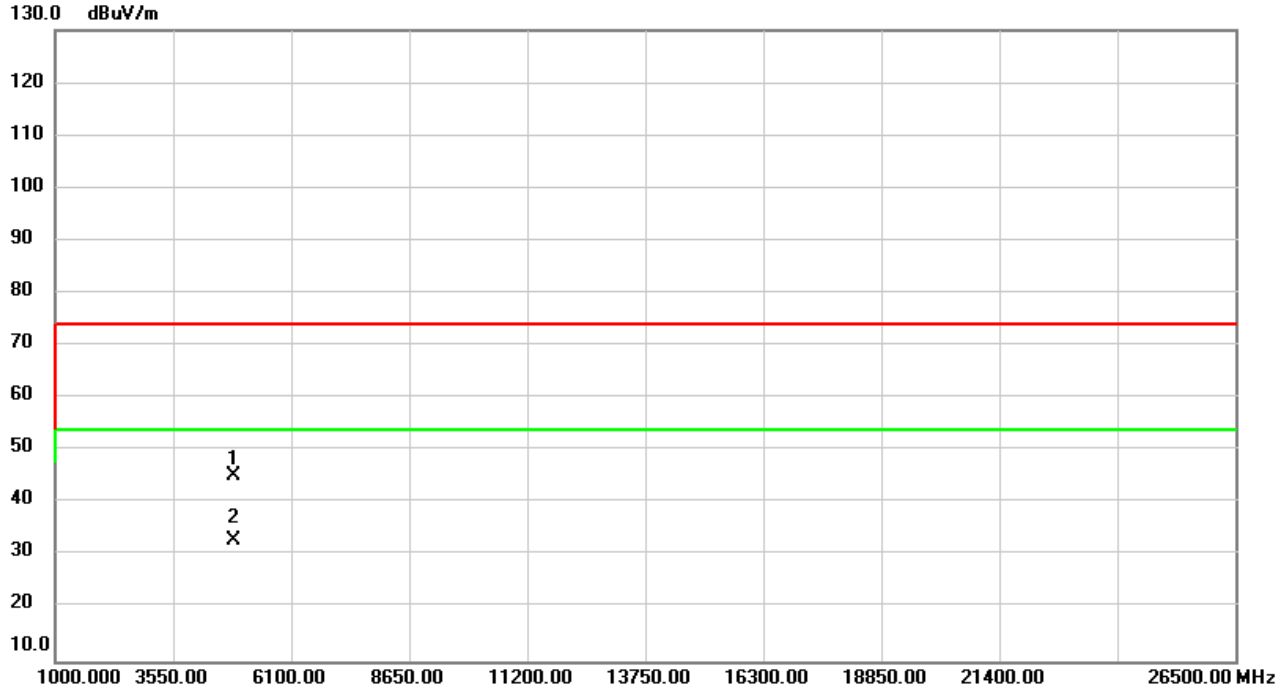
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/19
Test Frequency	2422MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	44.57	0.88	45.45	74.00	-28.55	peak	
2	*	4844.000	32.32	0.88	33.20	54.00	-20.80	AVG	

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

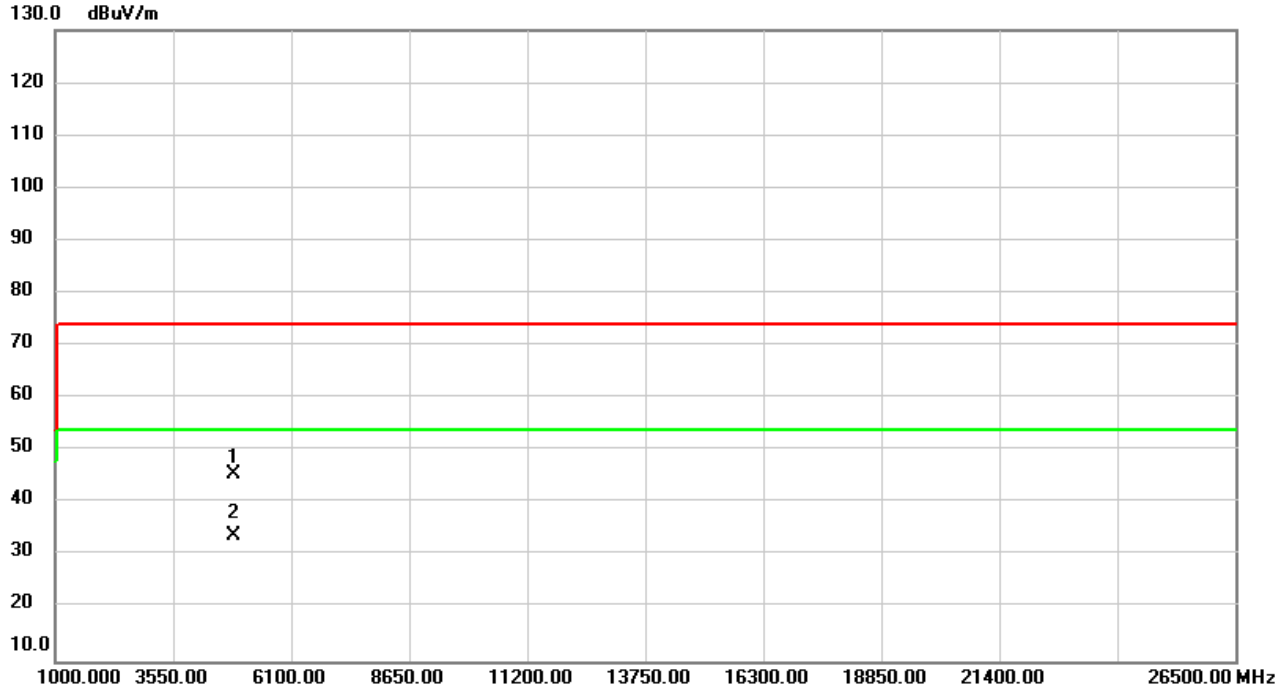
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/19
Test Frequency	2422MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	44.27	0.88	45.15	74.00	-28.85	peak	
2	*	4844.000	31.95	0.88	32.83	54.00	-21.17	AVG	

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

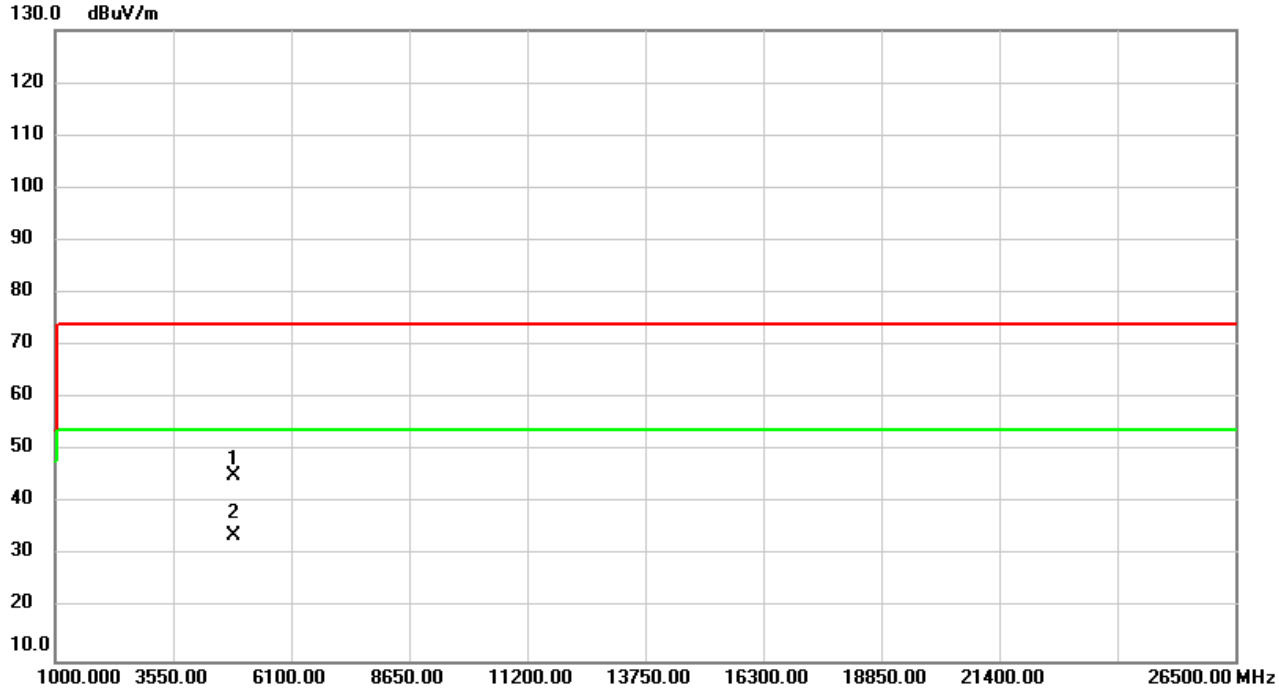
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.53	0.99	45.52	74.00	-28.48	peak	
2	*	4874.000	32.84	0.99	33.83	54.00	-20.17	AVG	

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

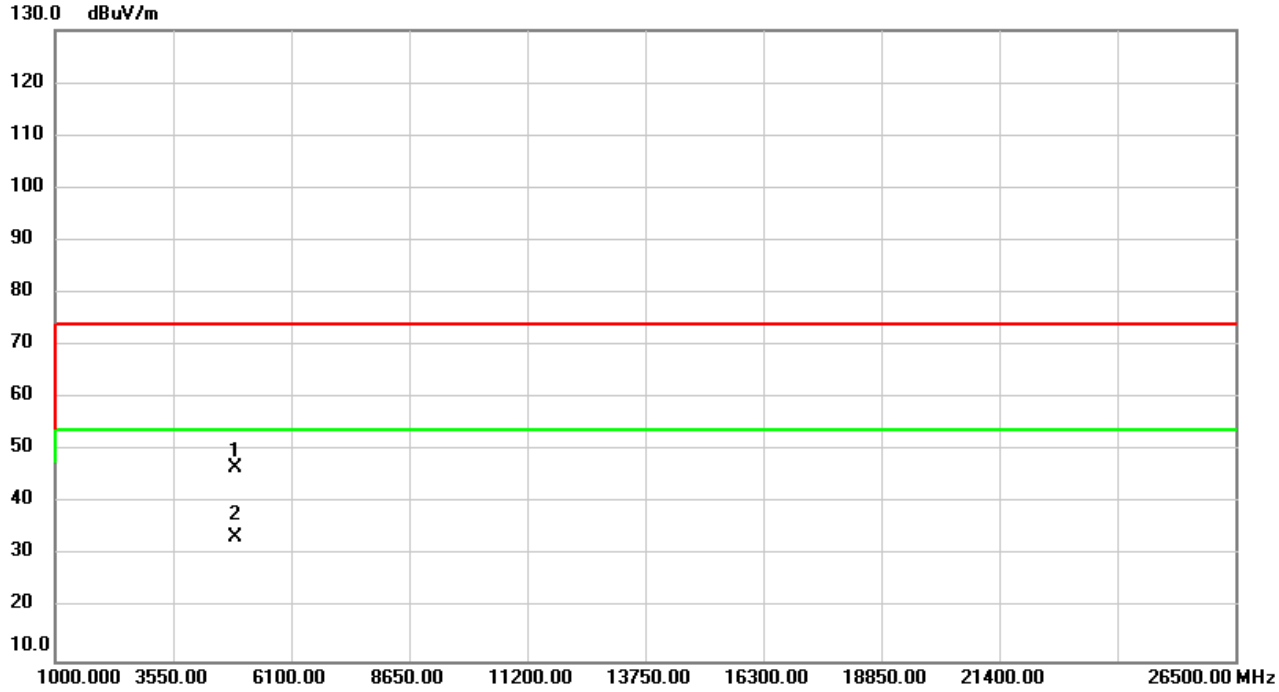
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/19
Test Frequency	2437MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	44.34	0.99	45.33	74.00	-28.67	peak	
2	*	4874.000	32.96	0.99	33.95	54.00	-20.05	AVG	

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

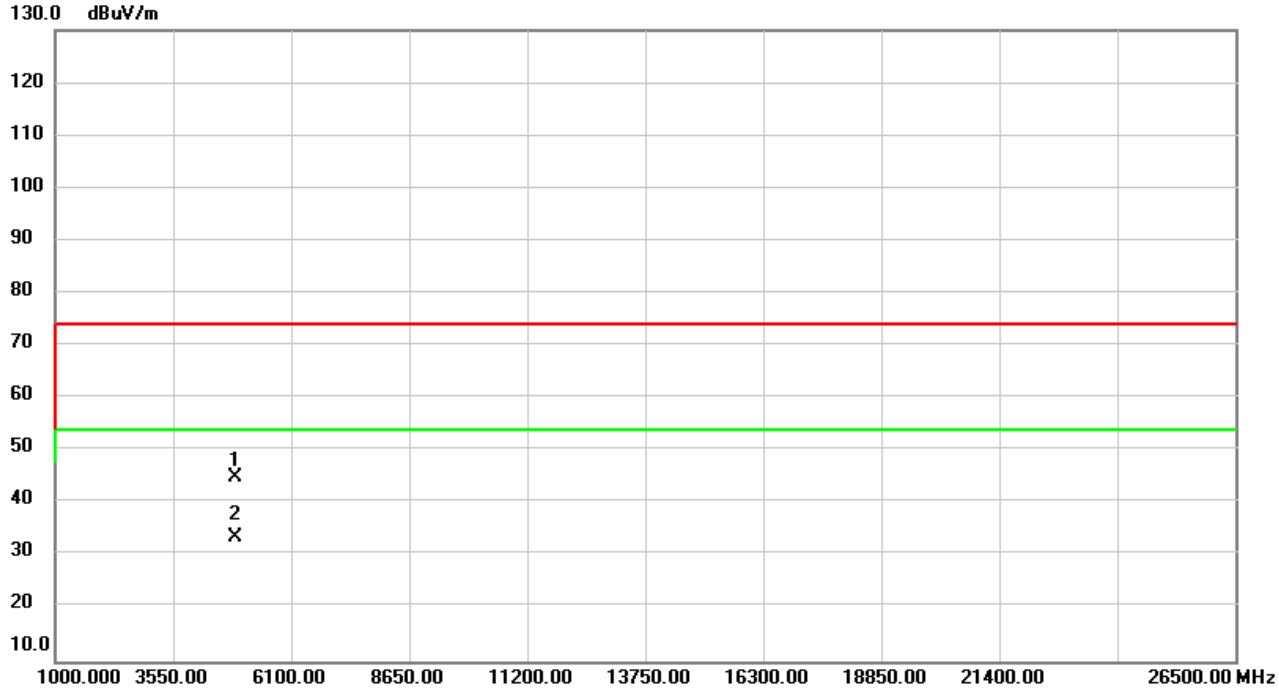
Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/19
Test Frequency	2452MHz	Polarization	Vertical
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	45.57	1.08	46.65	74.00	-27.35	peak	
2	*	4904.000	32.55	1.08	33.63	54.00	-20.37	AVG	

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/4/19
Test Frequency	2452MHz	Polarization	Horizontal
Temp	24°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	43.98	1.08	45.06	74.00	-28.94	peak	
2	*	4904.000	32.61	1.08	33.69	54.00	-20.31	AVG	

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

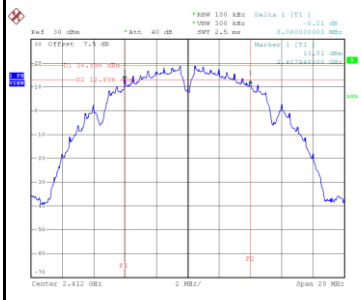
APPENDIX D BANDWIDTH

Test Mode	IEEE 802.11b_Ant 1

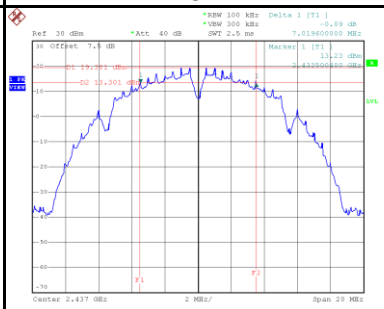
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.06	10.48	≥ 500	Pass
2437	7.02	10.48	≥ 500	Pass
2462	6.60	10.48	≥ 500	Pass

6dB Bandwidth

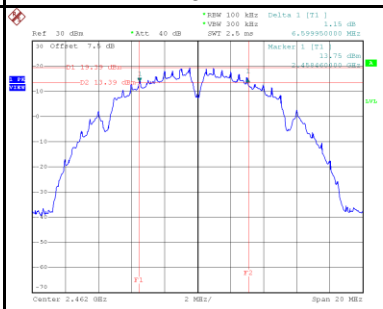
2412 MHz



2437 MHz

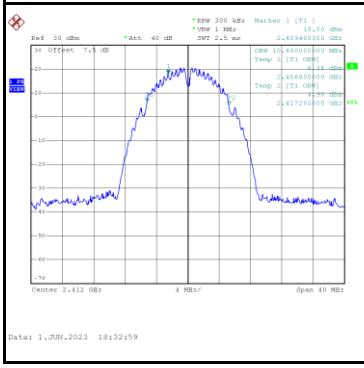


2462 MHz

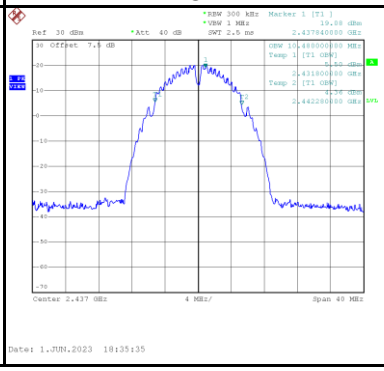


99% Occupied BW

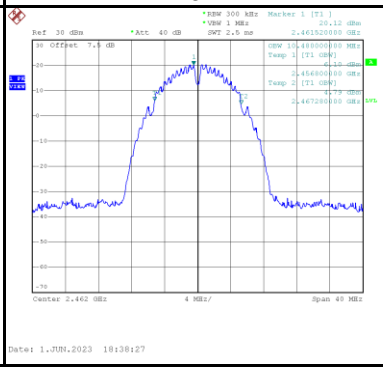
2412 MHz



2437 MHz

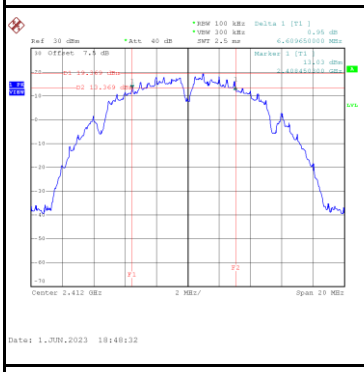
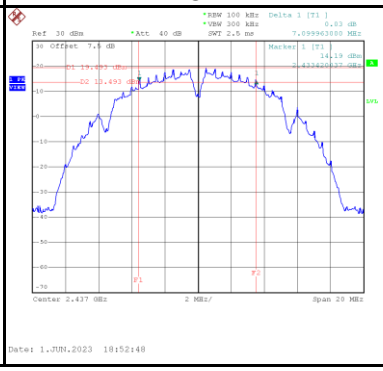
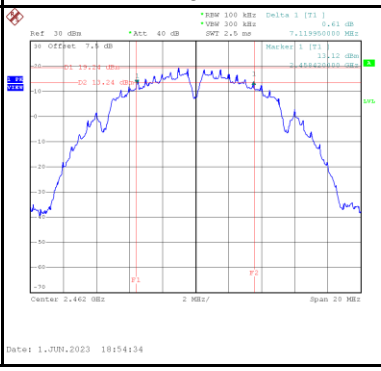
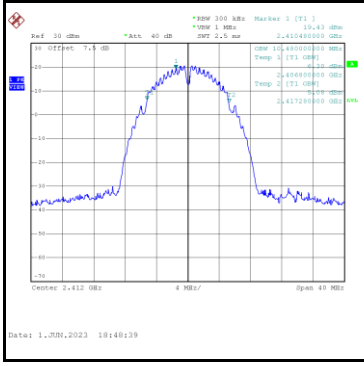
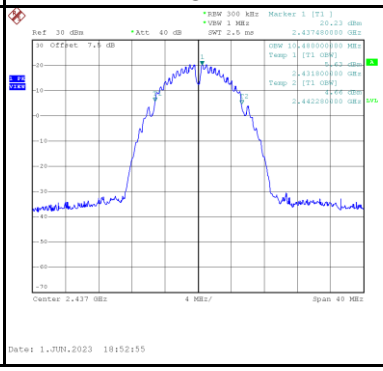
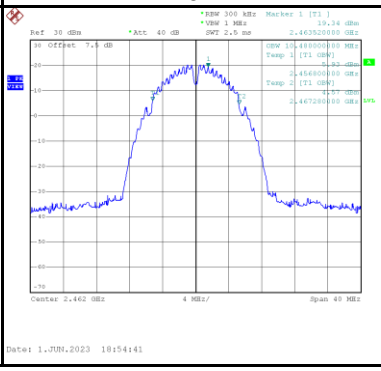


2462 MHz



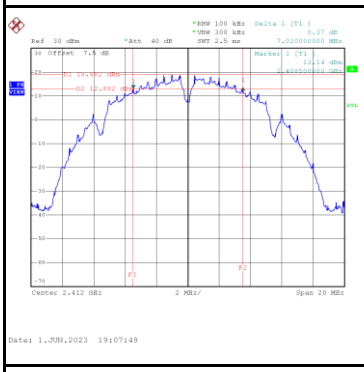
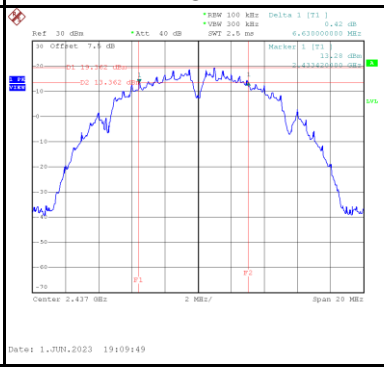
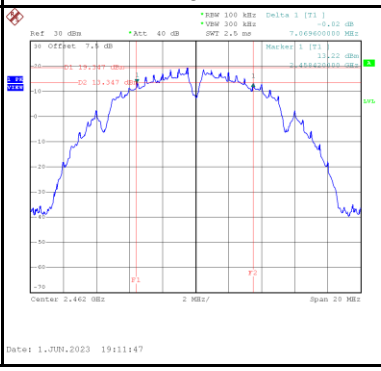
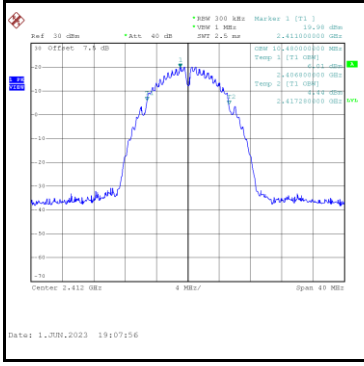
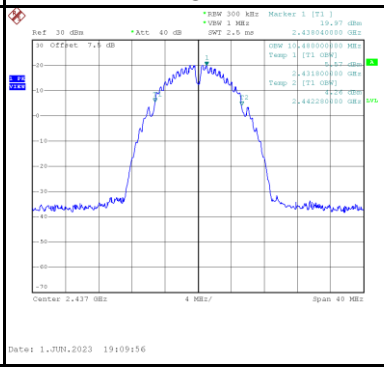
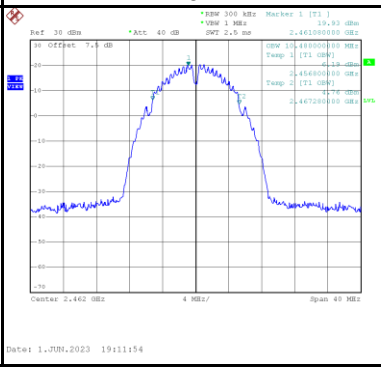
Test Mode	IEEE 802.11b_Ant 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	6.61	10.48	≥ 500	Pass
2437	7.10	10.48	≥ 500	Pass
2462	7.12	10.48	≥ 500	Pass

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

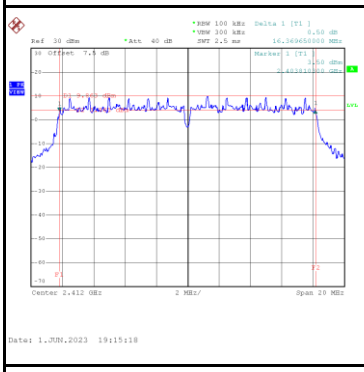
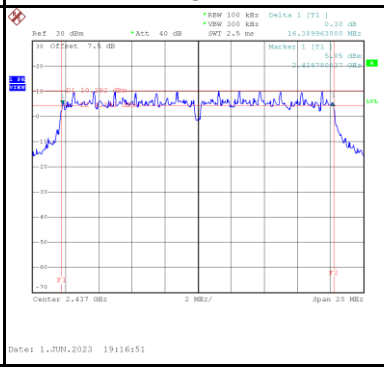
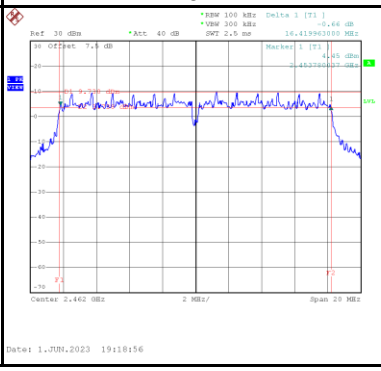
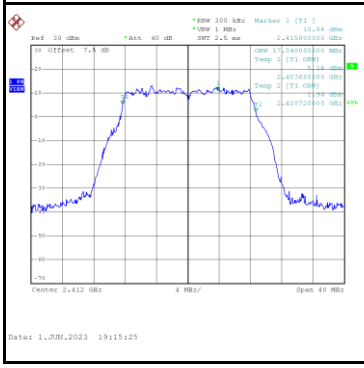
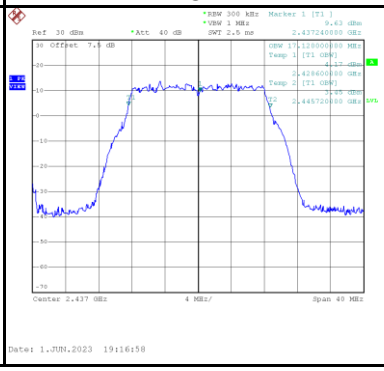
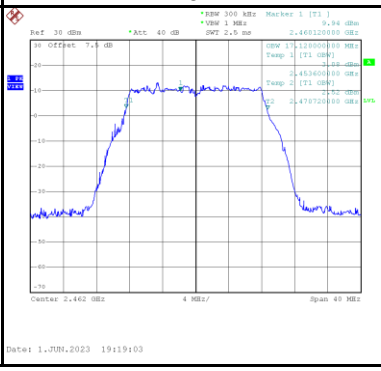
Test Mode	IEEE 802.11b_Ant 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.02	10.48	≥ 500	Pass
2437	6.63	10.48	≥ 500	Pass
2462	7.07	10.48	≥ 500	Pass

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

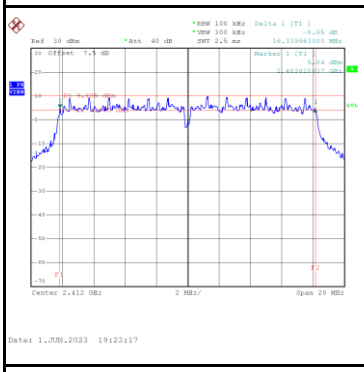
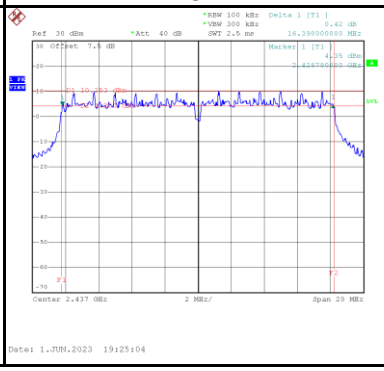
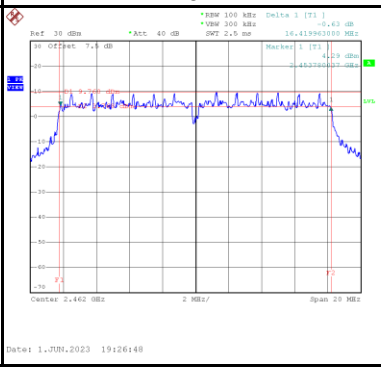
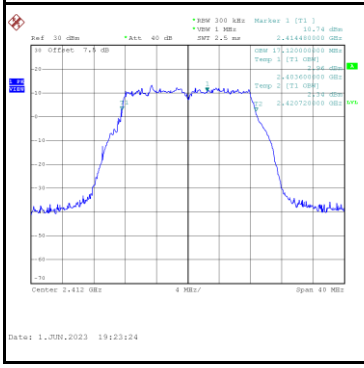
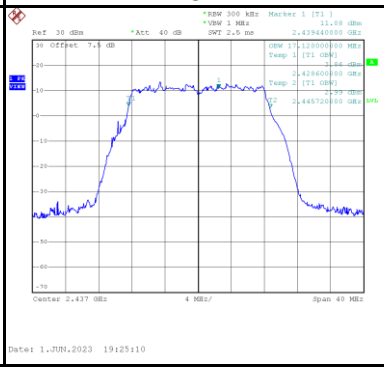
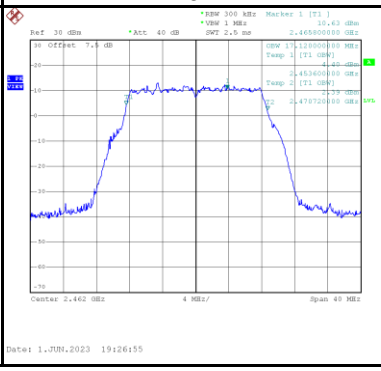
Test Mode	IEEE 802.11g_ Ant 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.37	17.04	≥ 500	Pass
2437	16.39	17.12	≥ 500	Pass
2462	16.42	17.12	≥ 500	Pass

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

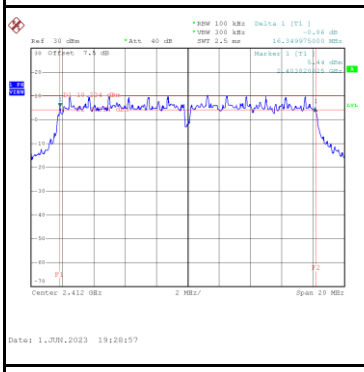
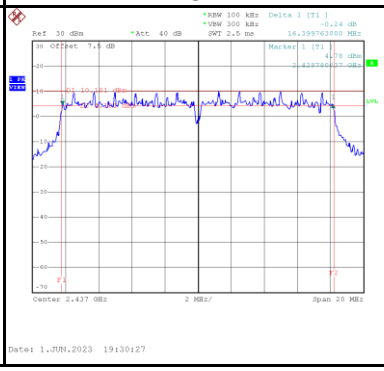
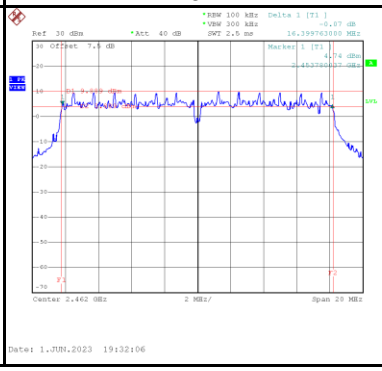
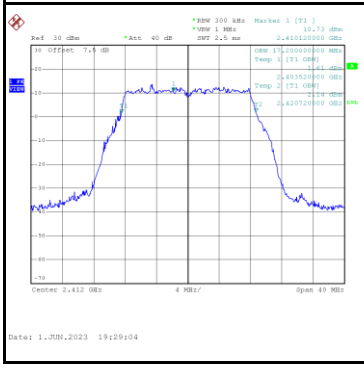
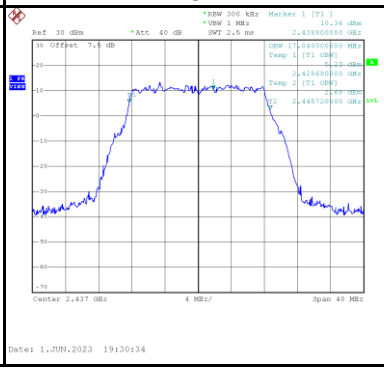
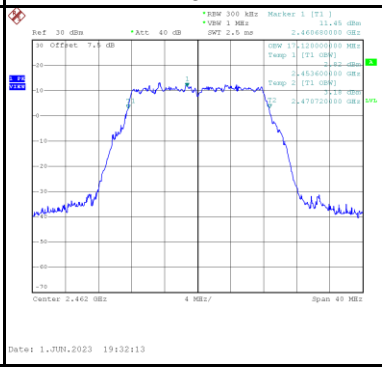
Test Mode	IEEE 802.11g_ Ant 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.34	17.12	≥ 500	Pass
2437	16.39	17.12	≥ 500	Pass
2462	16.42	17.12	≥ 500	Pass

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

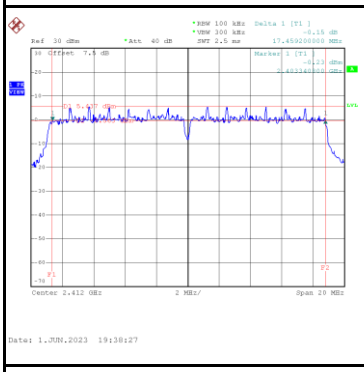
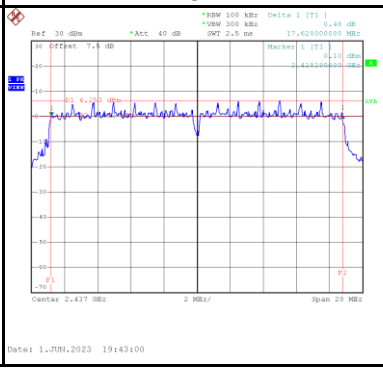
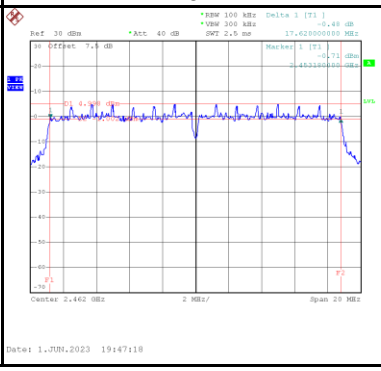
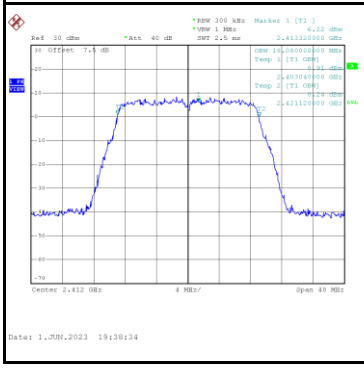
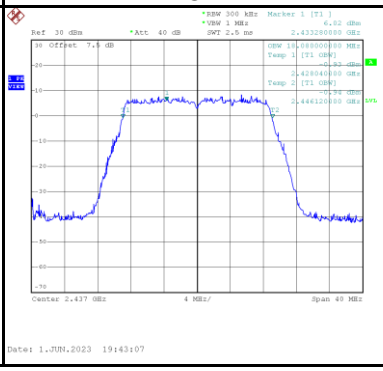
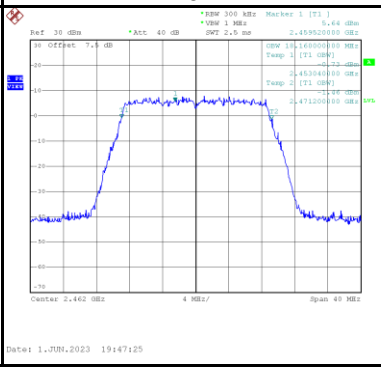
Test Mode	IEEE 802.11g_ Ant 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.35	17.20	≥ 500	Pass
2437	16.40	17.04	≥ 500	Pass
2462	16.40	17.12	≥ 500	Pass

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

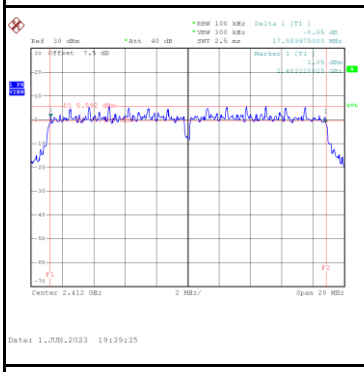
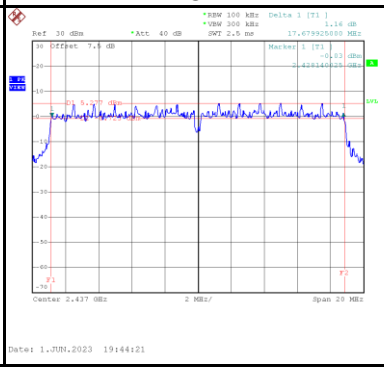
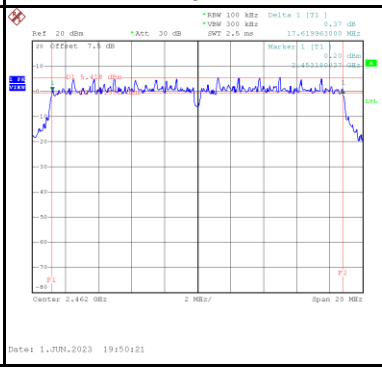
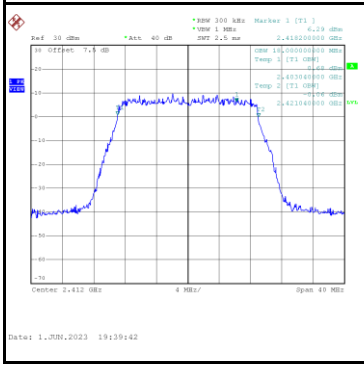
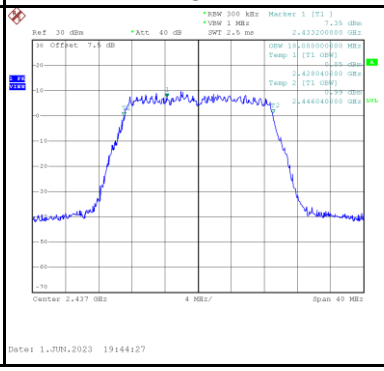
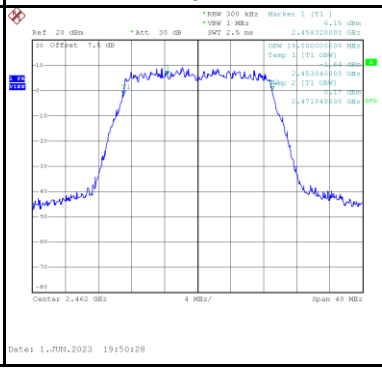
Test Mode	IEEE 802.11n (HT20)_ Ant 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.46	18.08	≥ 500	Pass
2437	17.62	18.08	≥ 500	Pass
2462	17.62	18.16	≥ 500	Pass

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

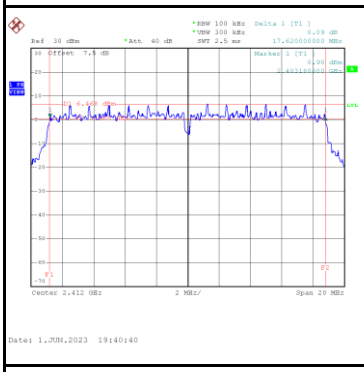
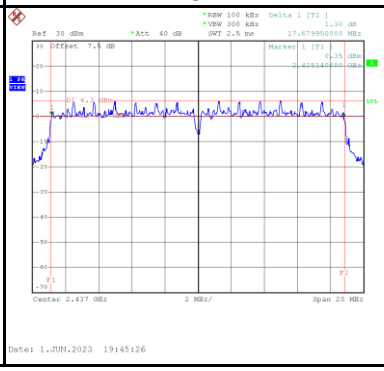
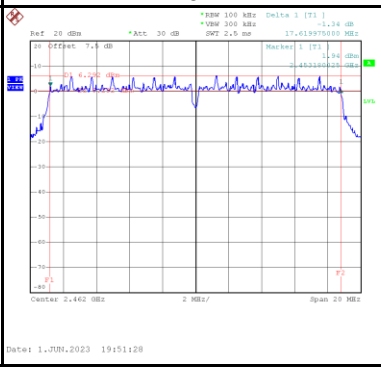
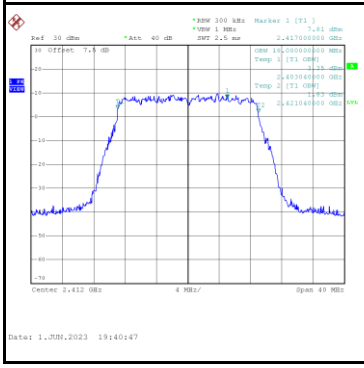
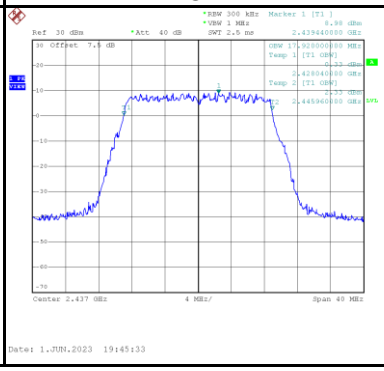
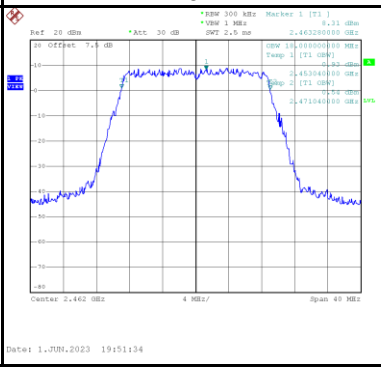
Test Mode	IEEE 802.11n (HT20)_ Ant 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.59	18.00	≥ 500	Pass
2437	17.68	18.00	≥ 500	Pass
2462	17.62	18.00	≥ 500	Pass

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

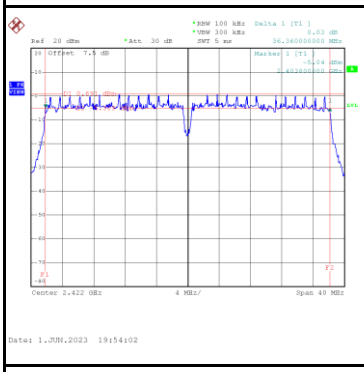
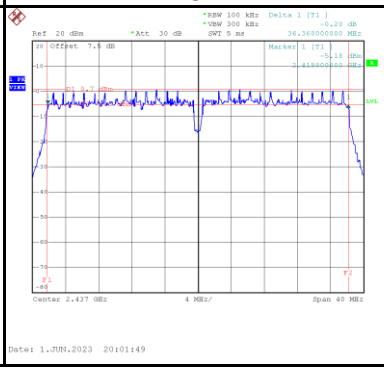
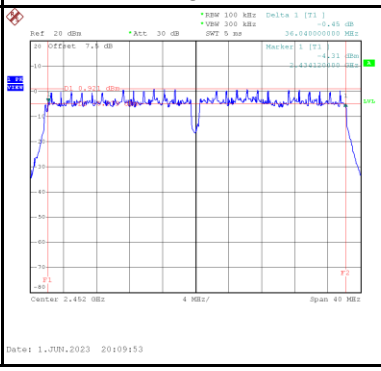
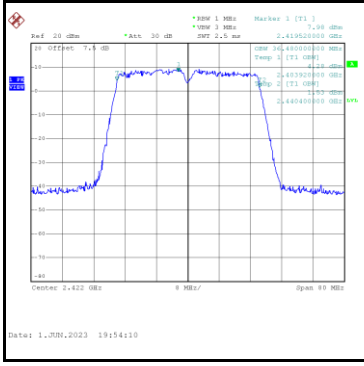
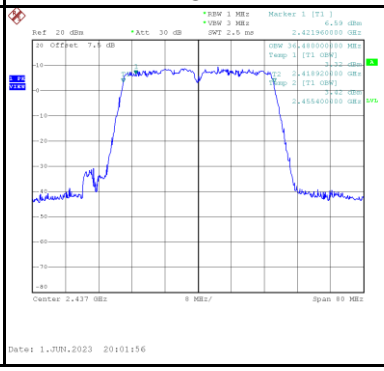
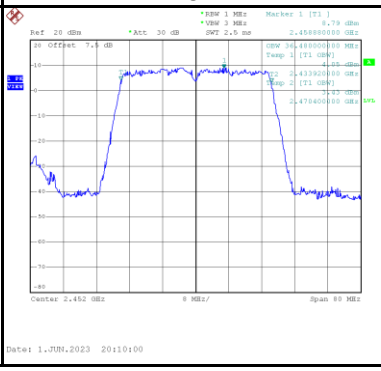
Test Mode	IEEE 802.11n (HT20)_ Ant 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.62	18.00	≥ 500	Pass
2437	17.68	17.92	≥ 500	Pass
2462	17.62	18.00	≥ 500	Pass

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

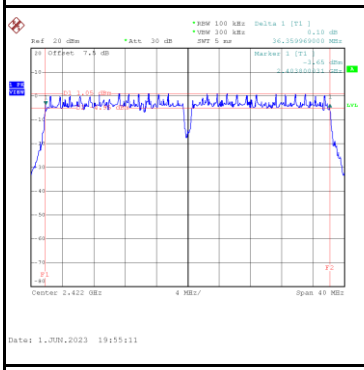
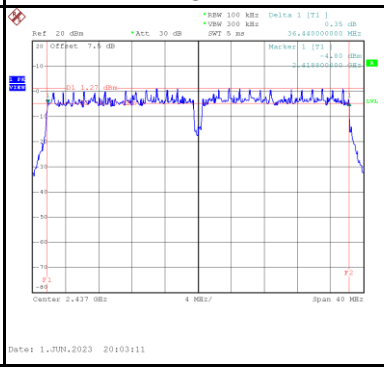
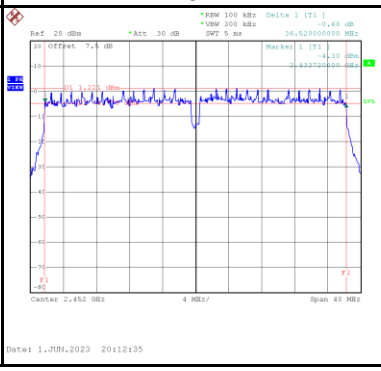
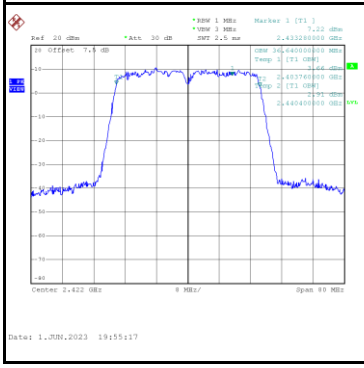
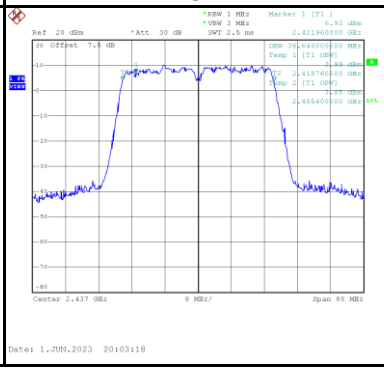
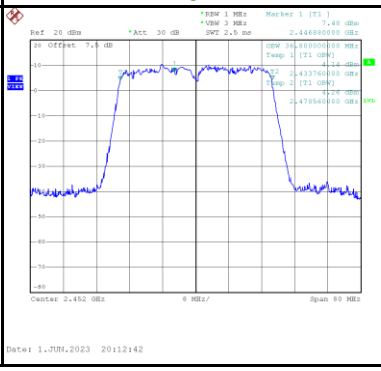
Test Mode	IEEE 802.11n (HT40)_ Ant 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.48	≥ 500	Pass
2437	36.36	36.48	≥ 500	Pass
2452	36.04	36.48	≥ 500	Pass

6dB Bandwidth		
2422 MHz	2437 MHz	2452 MHz
		
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		

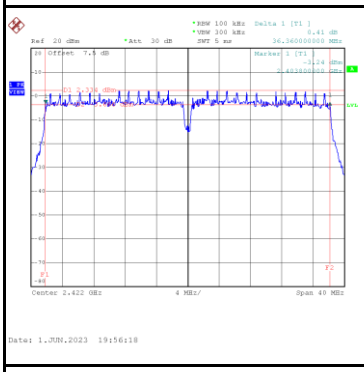
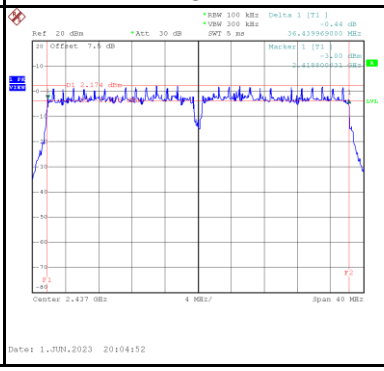
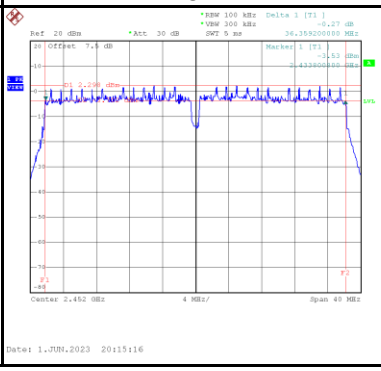
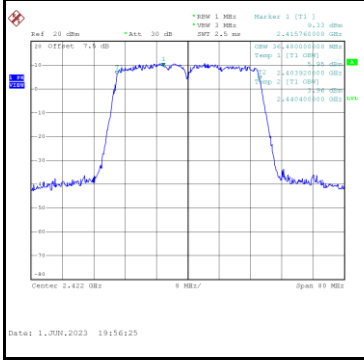
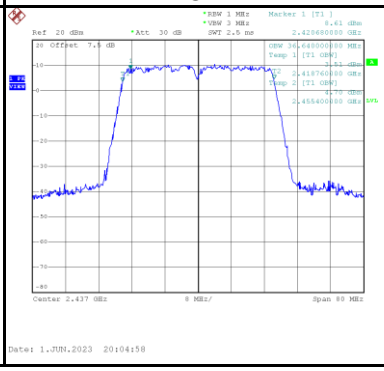
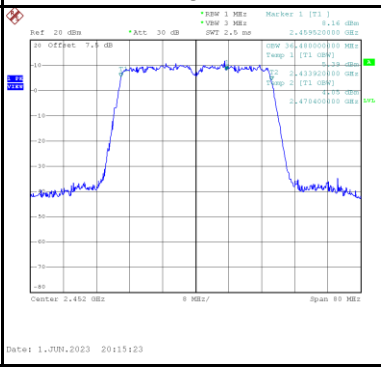
Test Mode	IEEE 802.11n (HT40)_ Ant 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.64	≥ 500	Pass
2437	36.44	36.64	≥ 500	Pass
2452	36.52	36.80	≥ 500	Pass

6dB Bandwidth		
2422 MHz	2437 MHz	2452 MHz
		
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		

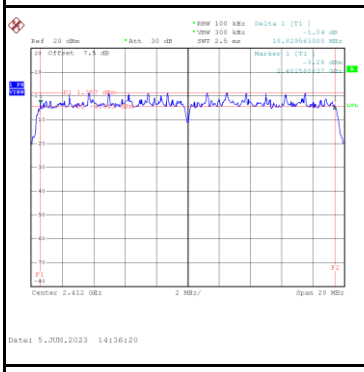
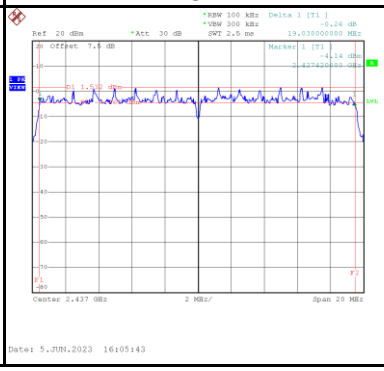
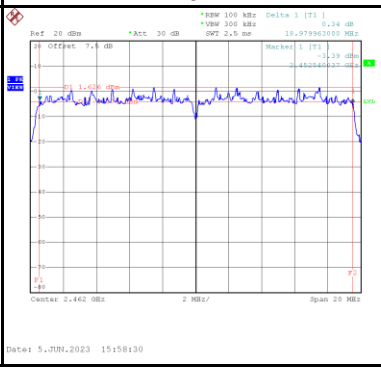
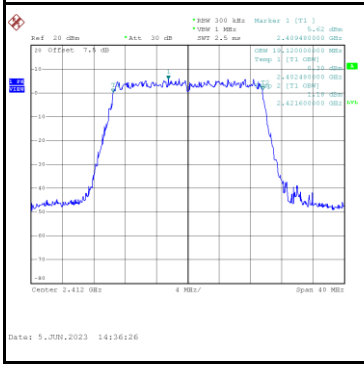
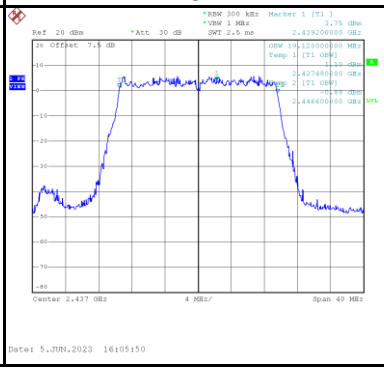
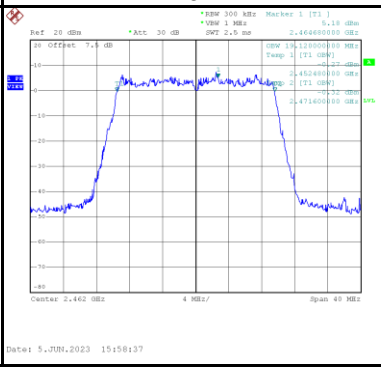
Test Mode	IEEE 802.11n (HT40)_ Ant 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.48	≥ 500	Pass
2437	36.44	36.64	≥ 500	Pass
2452	36.36	36.48	≥ 500	Pass

6dB Bandwidth		
2422 MHz	2437 MHz	2452 MHz
		
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		

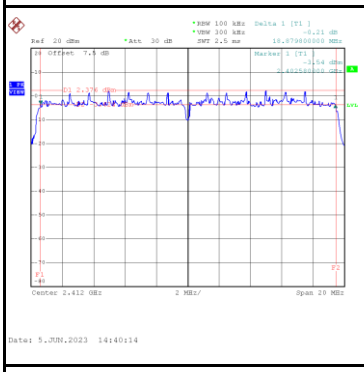
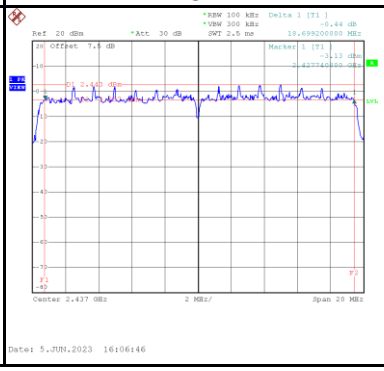
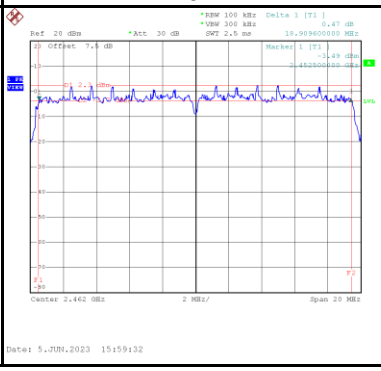
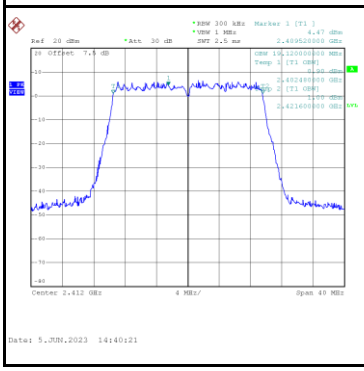
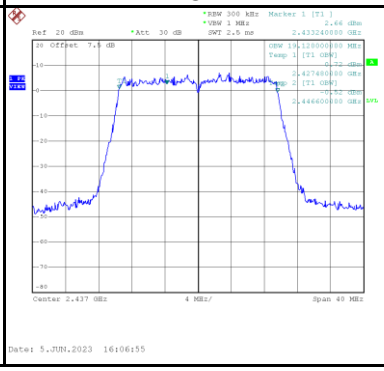
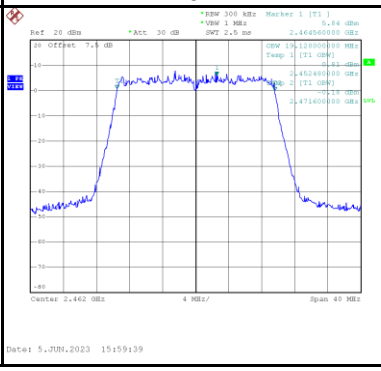
Test Mode	IEEE 802.11ax (HE20)_ Ant 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.83	19.12	≥ 500	Pass
2437	19.03	19.12	≥ 500	Pass
2462	18.98	19.12	≥ 500	Pass

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

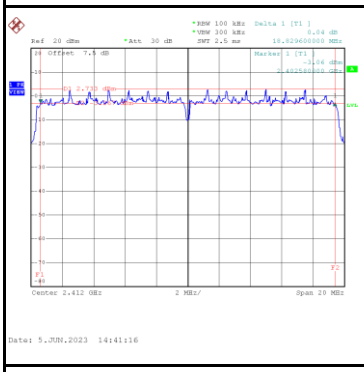
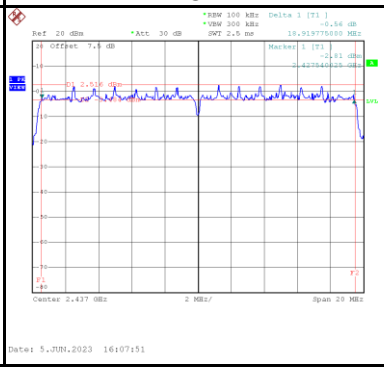
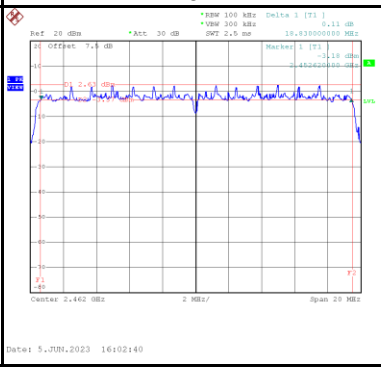
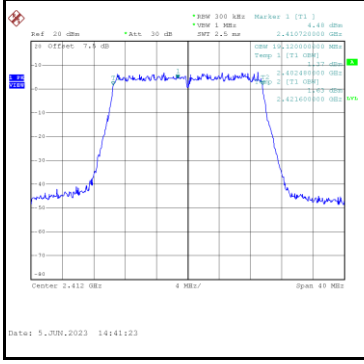
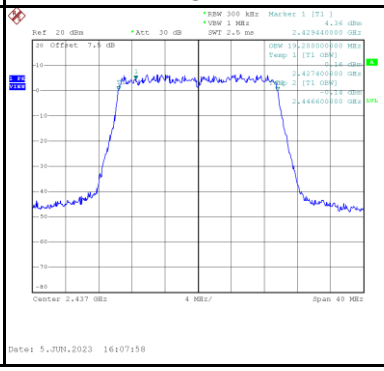
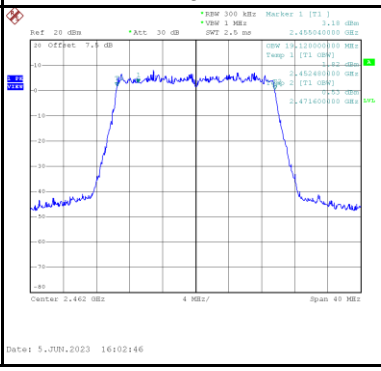
Test Mode	IEEE 802.11ax (HE20)_ Ant 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.88	19.12	≥ 500	Pass
2437	18.70	19.12	≥ 500	Pass
2462	18.91	19.12	≥ 500	Pass

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

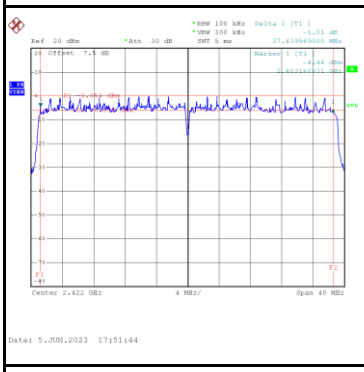
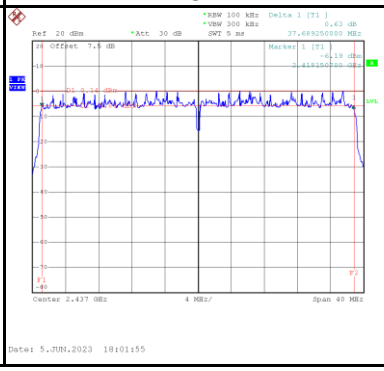
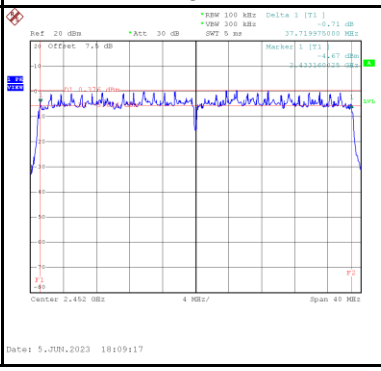
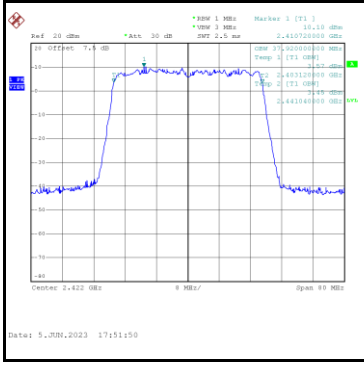
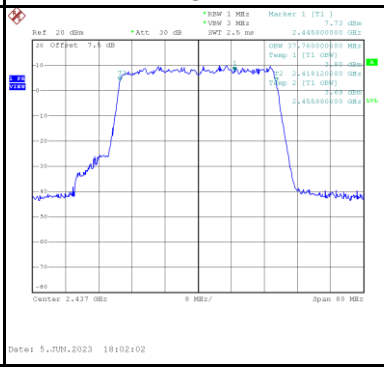
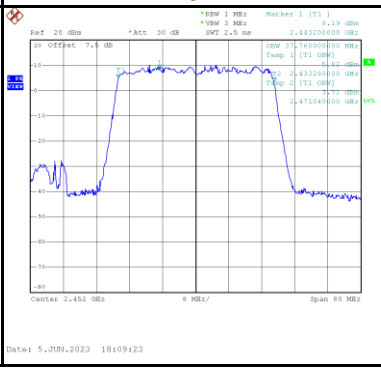
Test Mode	IEEE 802.11ax (HE20)_ Ant 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.83	19.12	≥ 500	Pass
2437	18.92	19.20	≥ 500	Pass
2462	18.83	19.12	≥ 500	Pass

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

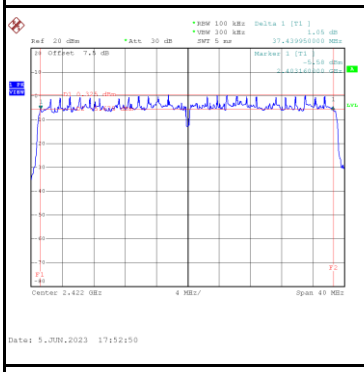
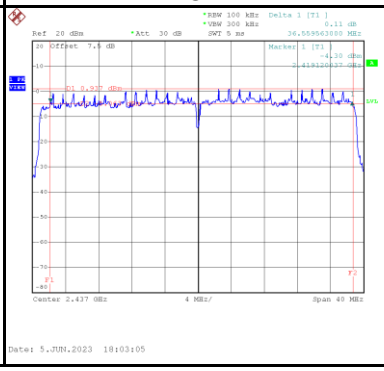
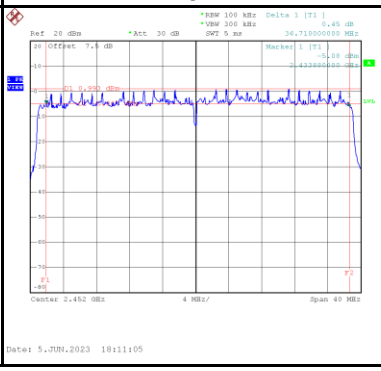
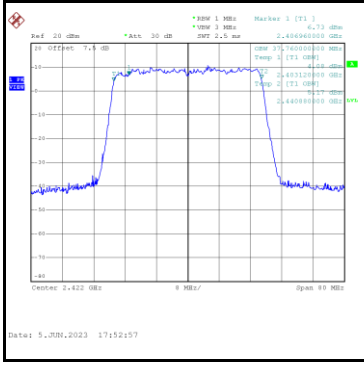
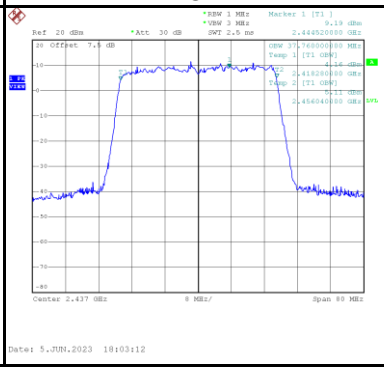
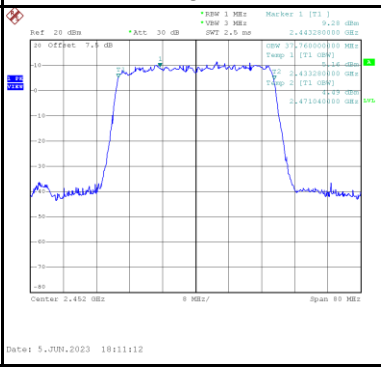
Test Mode	IEEE 802.11ax (HE40)_ Ant 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.44	37.92	≥ 500	Pass
2437	37.69	37.76	≥ 500	Pass
2452	37.72	37.76	≥ 500	Pass

6dB Bandwidth		
2422 MHz	2437 MHz	2452 MHz
		
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		

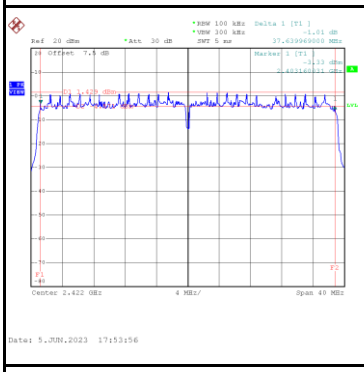
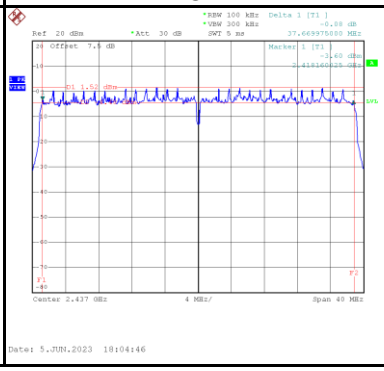
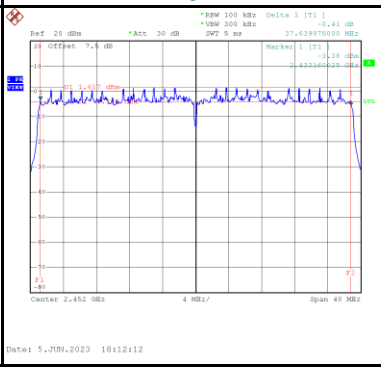
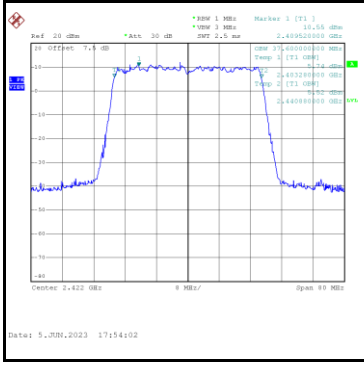
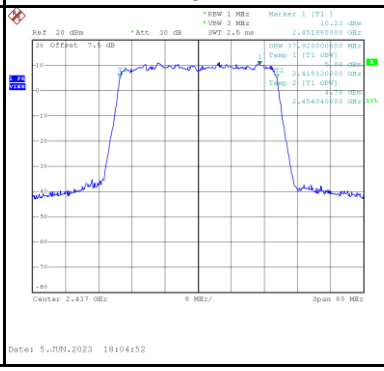
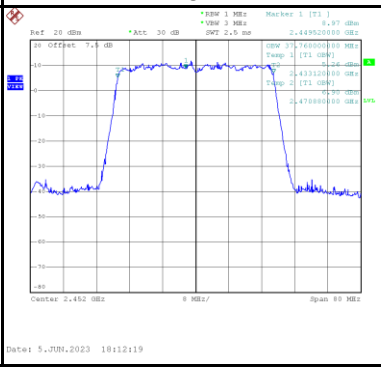
Test Mode	IEEE 802.11ax (HE40)_ Ant 2

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.44	37.76	≥ 500	Pass
2437	36.56	37.76	≥ 500	Pass
2452	36.71	37.76	≥ 500	Pass

6dB Bandwidth		
2422 MHz	2437 MHz	2452 MHz
		
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		

Test Mode	IEEE 802.11ax (HE40)_ Ant 3

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.64	37.60	≥ 500	Pass
2437	37.67	37.92	≥ 500	Pass
2452	37.64	37.76	≥ 500	Pass

6dB Bandwidth		
2422 MHz	2437 MHz	2452 MHz
		
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		

APPENDIX E OUTPUT POWER

Operation Mode	Non-Beamforming mode

Test Mode	IEEE 802.11b_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.68	0.9290	30.00	1.0000	Pass
2437	29.72	0.9376	30.00	1.0000	Pass
2462	29.84	0.9638	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.95	0.9886	30.00	1.0000	Pass
2437	29.76	0.9462	30.00	1.0000	Pass
2462	29.77	0.9484	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.62	0.9162	30.00	1.0000	Pass
2437	29.71	0.9354	30.00	1.0000	Pass
2462	29.83	0.9616	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.26	0.8433	30.00	1.0000	Pass
2437	29.89	0.9750	30.00	1.0000	Pass
2462	29.27	0.8453	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.32	0.8551	30.00	1.0000	Pass
2437	29.62	0.9162	30.00	1.0000	Pass
2462	29.28	0.8472	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.91	0.9795	30.00	1.0000	Pass
2437	29.97	0.9931	30.00	1.0000	Pass
2462	29.76	0.9462	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	24.41	0.2761	30.00	1.0000	Pass
2437	24.78	0.3006	30.00	1.0000	Pass
2462	24.37	0.2735	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	24.81	0.3027	30.00	1.0000	Pass
2437	24.82	0.3034	30.00	1.0000	Pass
2462	24.48	0.2805	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	25.84	0.3837	30.00	1.0000	Pass
2437	25.73	0.3741	30.00	1.0000	Pass
2462	25.83	0.3828	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT20)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.83	0.9625	30.00	1.0000	Pass
2437	29.90	0.9781	30.00	1.0000	Pass
2462	29.72	0.9369	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	24.35	0.2723	30.00	1.0000	Pass
2437	24.62	0.2897	30.00	1.0000	Pass
2452	24.74	0.2979	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	24.72	0.2965	30.00	1.0000	Pass
2437	24.93	0.3112	30.00	1.0000	Pass
2452	24.76	0.2992	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	25.43	0.3491	30.00	1.0000	Pass
2437	25.63	0.3656	30.00	1.0000	Pass
2452	25.37	0.3443	30.00	1.0000	Pass

Test Mode	IEEE 802.11n (HT40)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	29.63	0.9179	30.00	1.0000	Pass
2437	29.85	0.9665	30.00	1.0000	Pass
2452	29.74	0.9414	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE20)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	24.48	0.2805	30.00	1.0000	Pass
2437	24.06	0.2547	30.00	1.0000	Pass
2462	24.82	0.3034	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE20)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	24.89	0.3083	30.00	1.0000	Pass
2437	24.91	0.3097	30.00	1.0000	Pass
2462	24.88	0.3076	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE20)_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	25.77	0.3776	30.00	1.0000	Pass
2437	25.72	0.3733	30.00	1.0000	Pass
2462	25.62	0.3648	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE20)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	29.85	0.9664	30.00	1.0000	Pass
2437	29.72	0.9377	30.00	1.0000	Pass
2462	29.89	0.9758	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE40)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	24.45	0.2786	30.00	1.0000	Pass
2437	24.32	0.2704	30.00	1.0000	Pass
2452	24.56	0.2858	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE40)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	24.78	0.3006	30.00	1.0000	Pass
2437	25.01	0.3170	30.00	1.0000	Pass
2452	24.88	0.3076	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE40)_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	25.34	0.3420	30.00	1.0000	Pass
2437	25.52	0.3565	30.00	1.0000	Pass
2452	25.18	0.3296	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax (HE40)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	29.64	0.9212	30.00	1.0000	Pass
2437	29.75	0.9438	30.00	1.0000	Pass
2452	29.65	0.9230	30.00	1.0000	Pass

Operation Mode	Beamforming mode

Test Mode	IEEE 802.11n (HT20)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.82	0.0762	26.87	0.4864	Pass
2437	18.03	0.0635	26.87	0.4864	Pass
2462	18.12	0.0649	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT20)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	19.25	0.0841	26.87	0.4864	Pass
2437	18.92	0.0780	26.87	0.4864	Pass
2462	18.91	0.0778	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT20)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.59	0.0723	26.87	0.4864	Pass
2437	19.15	0.0822	26.87	0.4864	Pass
2462	18.12	0.0649	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT20)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	23.67	0.2326	26.87	0.4864	Pass
2437	23.50	0.2237	26.87	0.4864	Pass
2462	23.17	0.2075	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT40)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	17.73	0.0593	26.87	0.4864	Pass
2437	17.94	0.0622	26.87	0.4864	Pass
2452	18.45	0.0700	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT40)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	20.31	0.1074	26.87	0.4864	Pass
2437	19.73	0.0940	26.87	0.4864	Pass
2452	20.54	0.1132	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT40)_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	18.24	0.0667	26.87	0.4864	Pass
2437	19.52	0.0895	26.87	0.4864	Pass
2452	18.81	0.0760	26.87	0.4864	Pass

Test Mode	IEEE 802.11n (HT40)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	23.68	0.2334	26.87	0.4864	Pass
2437	23.90	0.2457	26.87	0.4864	Pass
2452	24.14	0.2593	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE20)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.54	0.0714	26.87	0.4864	Pass
2437	18.75	0.0750	26.87	0.4864	Pass
2462	18.31	0.0678	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE20)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	20.03	0.1007	26.87	0.4864	Pass
2437	19.01	0.0796	26.87	0.4864	Pass
2462	19.48	0.0887	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE20)_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	19.57	0.0906	26.87	0.4864	Pass
2437	19.43	0.0877	26.87	0.4864	Pass
2462	19.53	0.0897	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE20)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	24.19	0.2627	26.87	0.4864	Pass
2437	23.84	0.2423	26.87	0.4864	Pass
2462	23.91	0.2462	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE40)_ Ant 1	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	18.02	0.0634	26.87	0.4864	Pass
2437	18.12	0.0649	26.87	0.4864	Pass
2452	18.08	0.0643	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE40)_ Ant 2	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	19.97	0.0993	26.87	0.4864	Pass
2437	20.94	0.1242	26.87	0.4864	Pass
2452	20.21	0.1050	26.87	0.4864	Pass

Test Mode	IEEE 802.11ax (HE40)_ Ant 3	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	18.89	0.0774	26.87	0.4864	Pass
2437	18.63	0.0729	26.87	0.4864	Pass
2452	18.86	0.0769	26.87	0.4864	Pass

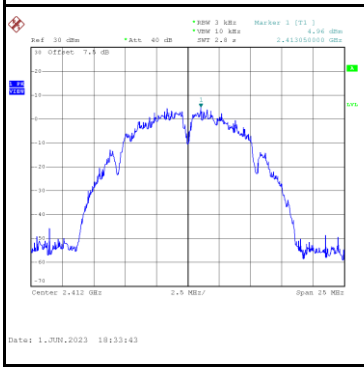
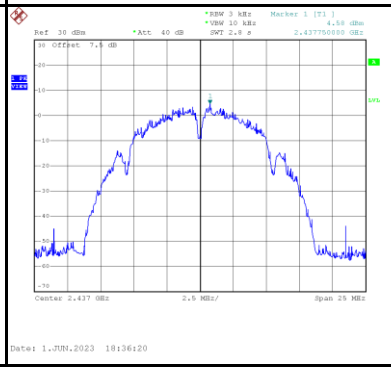
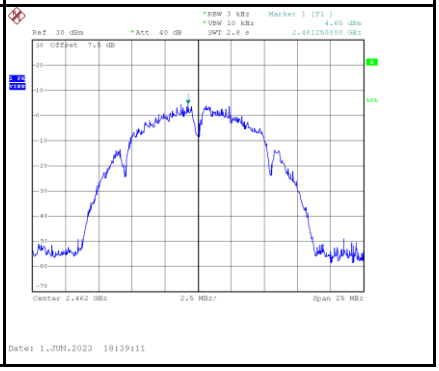
Test Mode	IEEE 802.11ax (HE40)_Total	Tested Date	2023/5/31

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	23.80	0.2401	26.87	0.4864	Pass
2437	24.18	0.2620	26.87	0.4864	Pass
2452	23.91	0.2461	26.87	0.4864	Pass

APPENDIX F POWER SPECTRAL DENSITY

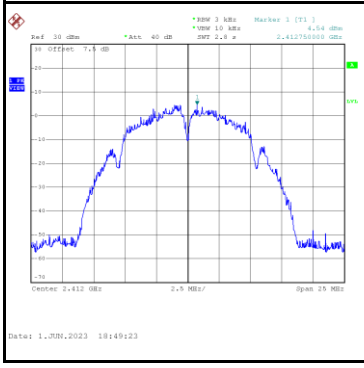
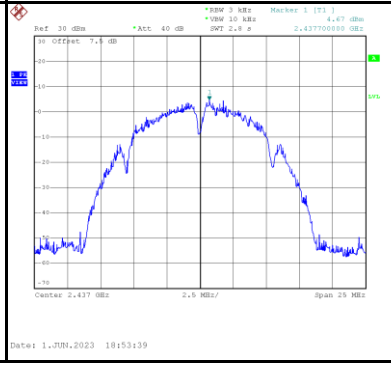
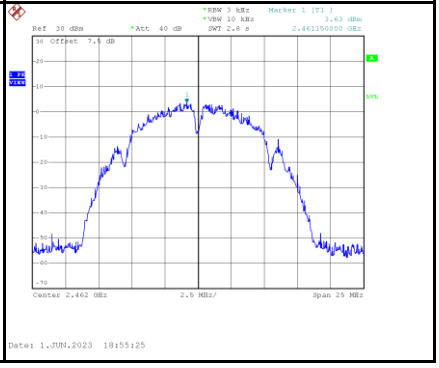
Test Mode	IEEE 802.11b_Ant 1

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	4.96	4.98	Pass
2437	4.58	4.98	Pass
2462	4.65	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

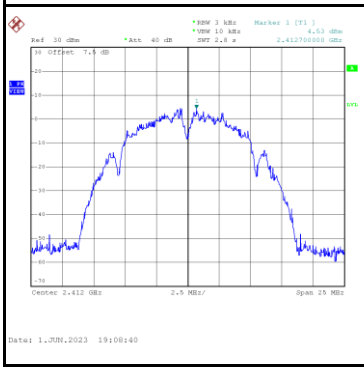
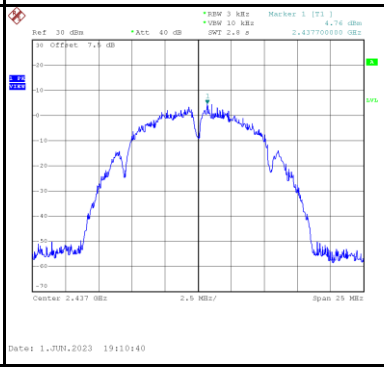
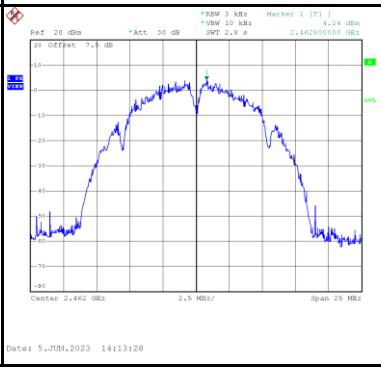
Test Mode	IEEE 802.11b_Ant 2

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	4.54	4.98	Pass
2437	4.67	4.98	Pass
2462	3.63	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

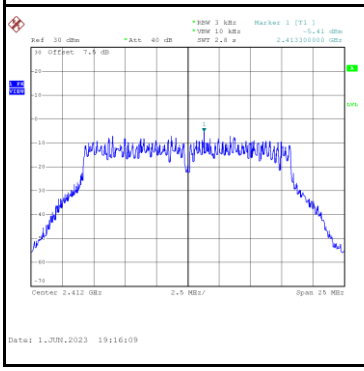
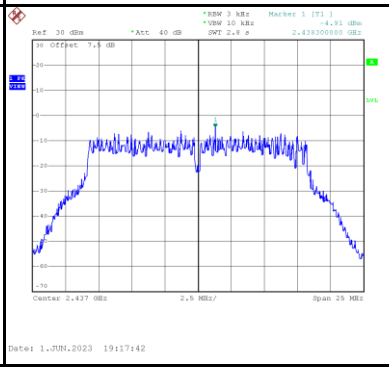
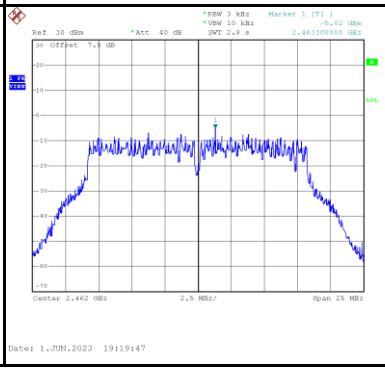
Test Mode	IEEE 802.11b_Ant 3

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	4.53	4.98	Pass
2437	4.76	4.98	Pass
2462	4.24	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

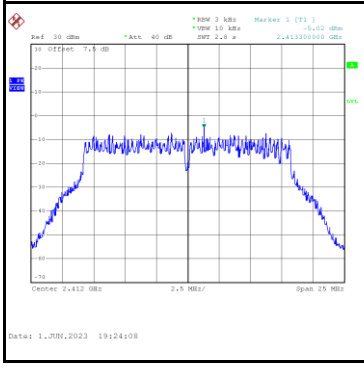
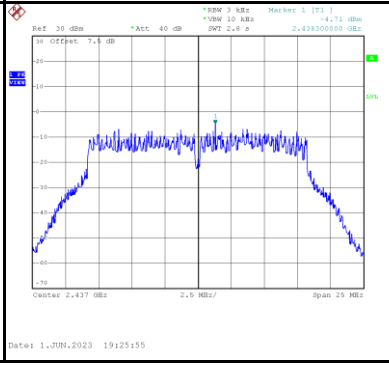
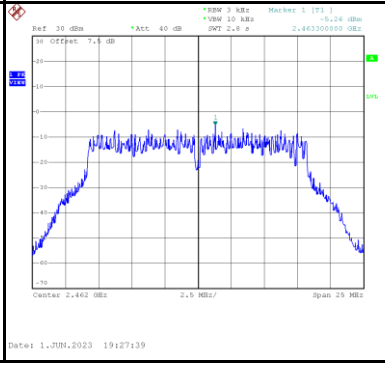
Test Mode	IEEE 802.11g_ Ant 1

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-5.41	4.98	Pass
2437	-4.91	4.98	Pass
2462	-5.02	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

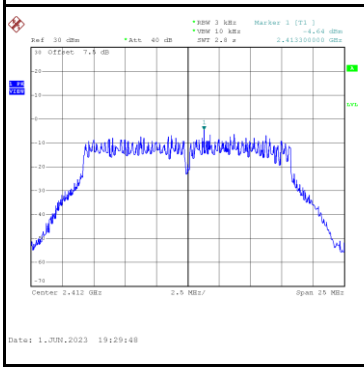
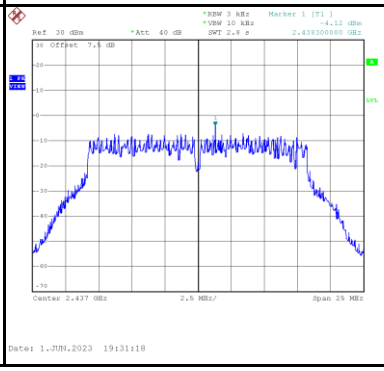
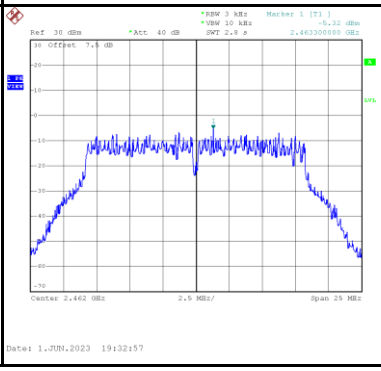
Test Mode	IEEE 802.11g_ Ant 2

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-5.02	4.98	Pass
2437	-4.71	4.98	Pass
2462	-5.26	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

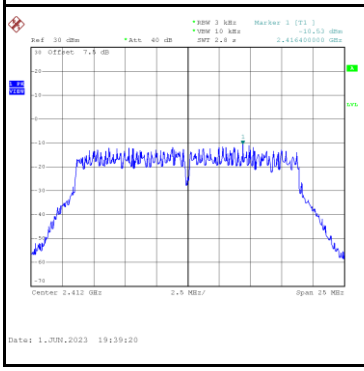
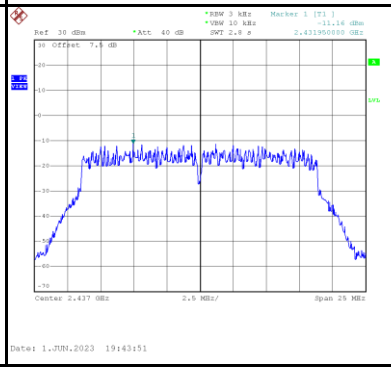
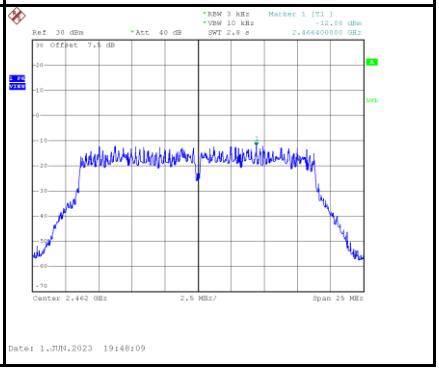
Test Mode	IEEE 802.11g_ Ant 3

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-4.64	4.98	Pass
2437	-4.12	4.98	Pass
2462	-5.32	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

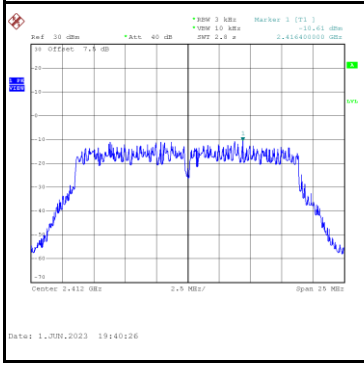
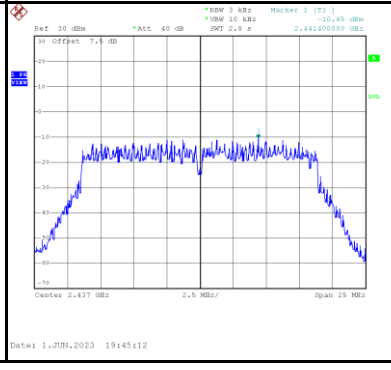
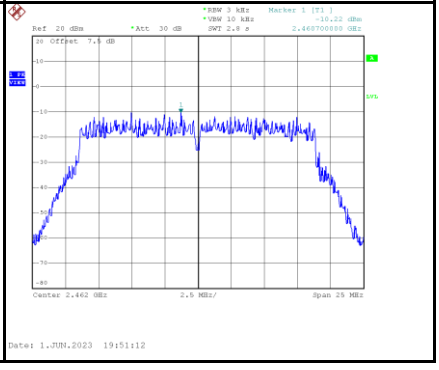
Test Mode	IEEE 802.11n (HT20)_ Ant 1

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.53	4.98	Pass
2437	-11.16	4.98	Pass
2462	-12.08	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

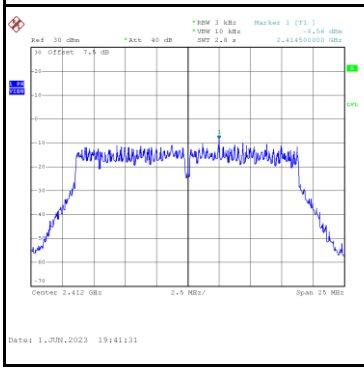
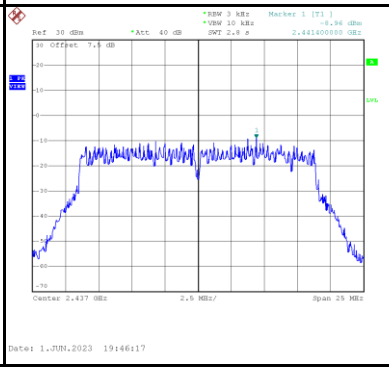
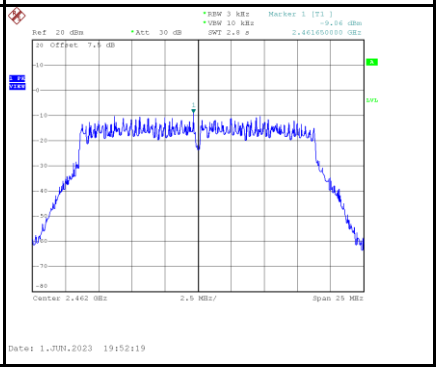
Test Mode	IEEE 802.11n (HT20)_ Ant 1

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.61	4.98	Pass
2437	-10.45	4.98	Pass
2462	-10.22	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

Test Mode	IEEE 802.11n (HT20)_ Ant 3

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-8.56	4.98	Pass
2437	-8.96	4.98	Pass
2462	-9.06	4.98	Pass

2412 MHz	2437 MHz	2462 MHz
		

Test Mode	IEEE 802.11n (HT20)_Total

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-5.02	4.98	Pass
2437	-5.32	4.98	Pass
2462	-5.51	4.98	Pass