FCC Radio Test Report

FCC ID: 2AVVT-CU304080000

Report No.	:	BTL-FCCP-1-2103T126A
Equipment	:	iTraMS CCU
Model Name	:	CU-304-0800-00
Brand Name	:	Bosch
Applicant	:	Bosch Global Software Technologies Private Limited
Address	:	MS/PAC, Ban 601, Post Box No 3000 Hosur Road, Adugodi, Bengaluru, Karnataka-560030, India
Radio Function	:	WLAN 2.4 GHz
FCC Rule Part(s)	:	FCC CFR Title 47, Part15, Subpart C (15.247)
Measurement Procedure(s)	:	ANSI C63.10-2013
Date of Receipt	:	2021/4/6
Date of Test	:	2021/4/6 ~ 2022/11/7
Issued Date	:	2022/12/26

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

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** 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.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2103T126A	R00	Original Report.	2022/2/8	Invalid
BTL-FCCP-1-2103T126A	R01	Revised applicant address.	2022/2/18	Invalid
BTL-FCCP-1-2103T126A	R02	Added the fourth antenna. (MA173. A. LBI.001)	2022/11/10	Invalid
BTL-FCCP-1-2103T126A	R03	Revised applicant information.	2022/11/22	Invalid
BTL-FCCP-1-2103T126A	R04	Revised report to address TCB's comments.	2022/12/26	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	------	N/A	Note(3)
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX A APPENDIX B	Pass	------
15.247(a)	Bandwidth	APPENDIX C	Pass	------
15.247(b)	Output Power	APPENDIX D	Pass	------
15.247(e)	Power Spectral Density	APPENDIX E	Pass	------
15.247(d)	Antenna conducted Spurious Emission	APPENDIX F	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.
(3) This is a DC input device.
(4) According to the declaration of manufacturer, FCC ID: 2AVVT-CU304080000 is a variant of FCC ID: 2AVVT-CU413UCMPS1.
The differences as following:

FCC ID	Differences
2AVVT-CU413UCMPS1	BT, BLE, WLAN 2.4 GHz, WWAN
2AVVT-CU304080000	BT, BLE, WLAN 2.4 GHz

The difference between two versions is that the WWAN radio components are removed, and the rests remain identical.
Thus, the test data of FCC ID: 2AVVT-CU413UCMPS1, report no. BTL-FCCP-1-2103T126, is leveraged in this test report to demonstrate the compliance of FCC ID: 2AVVT-CU304080000.
The test worst cases found in FCC ID: 2AVVT-CU413UCMPS1 are verified on FCC ID: 2AVVT-CU304080000 to ensure the compliance is kept.
This test report shows additional evidence (spot check results), as listed below, to demonstrate full compliance of the device:
a. Radiated Emissions
b. Output Power

1.1 TEST FACILITY

Test Firm Location: No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan.
TAF Accreditation Number is 0659; FCC Designation Number is TW0659.
The satellite facilities under the test firm used to collect the test data in this report are:
No. 66, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
☒ CB15 ☐ CB16
No. 68-2, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
☐ CB12 ☒ SR05

For External Antenna: MA173. A. LBI.001
No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
☐ 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. Radiated emissions test :

Test Site	Measurement Frequency Range	U,(dB)
CB15 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

B. Conducted test :

Test Item	U,(dB)
Bandwidth	1.13
Output power	1.06
Power Spectral Density	1.20
Conducted Spurious emissions	1.14
Conducted Band edges	1.13

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
Radiated emissions below 1 GHz	Refer to data	DC 32V	Jay Kao
Radiated emissions above 1 GHz	Refer to data	DC 32V	Jay Kao
Bandwidth	25.8 °C, 54 %	DC 32V	William Wei
Output Power	25.8 °C, 54 %	DC 32V	William Wei
Power Spectral Density	25.8 °C, 54 %	DC 32V	William Wei
Antenna conducted Spurious Emission	25.8 °C, 54 %	DC 32V	William Wei

Spot check test:

Test Item	Environment Condition	Test Voltage	Tested by
Radiated emissions below 1 GHz	Refer to data	DC 32V	Jay Kao
Radiated emissions above 1 GHz	Refer to data	DC 32V	Jay Kao
Output Power	25.8 °C, 54 %	DC 32V	Paul Shen

For External Antenna: MA173. A. LBI.001

Test Item	Environment Condition	Test Voltage	Tested by
Radiated emissions below 1 GHz	Refer to data	DC 32V	Mark Wang
Radiated emissions above 1 GHz	Refer to data	DC 32V	Mark Wang

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

Test Software	CMD					
Mode	2412 MHz	2437 MHz	2462 MHz	2467 MHz	2472 MHz	Data Rate
IEEE 802.11b	10	18	12	10	8	1 Mbps
IEEE 802.11g	13	16	13	13	13	6 Mbps
IEEE 802.11n (HT20)	13	16	12	12	12	HT 0
Mode	2422 MHz	2437 MHz	2452 MHz	2457 MHz	2462 MHz	Data Rate
IEEE 802.11n (HT40)	11	14	10	10	10	HT 0

Spot check test:

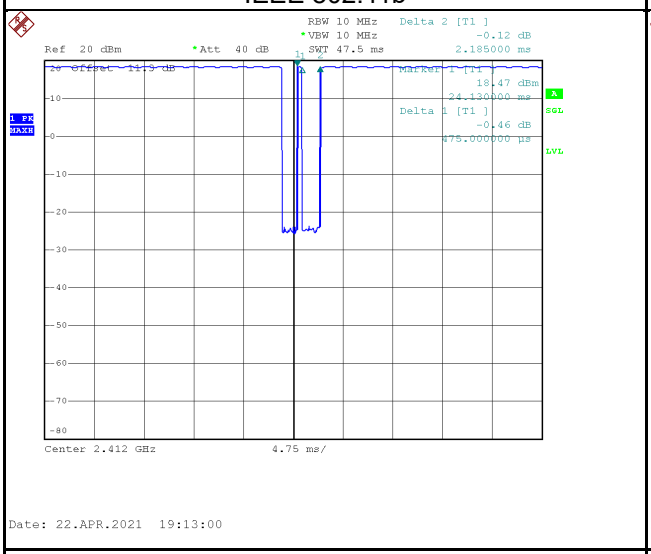
Test Software	Tera Term V.4.101					
Mode	2412 MHz	2437 MHz	2462 MHz	2467 MHz	2472 MHz	Data Rate
IEEE 802.11b	10	18	12	9	7	1 Mbps
IEEE 802.11g	13	16	15	13	12	6 Mbps
IEEE 802.11n (HT20)	13	17	13	12	10	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	2457 MHz	2462 MHz	Data Rate
IEEE 802.11n (HT40)	9	17	10	8	8	MCS 0

1.5 DUTY CYCLE

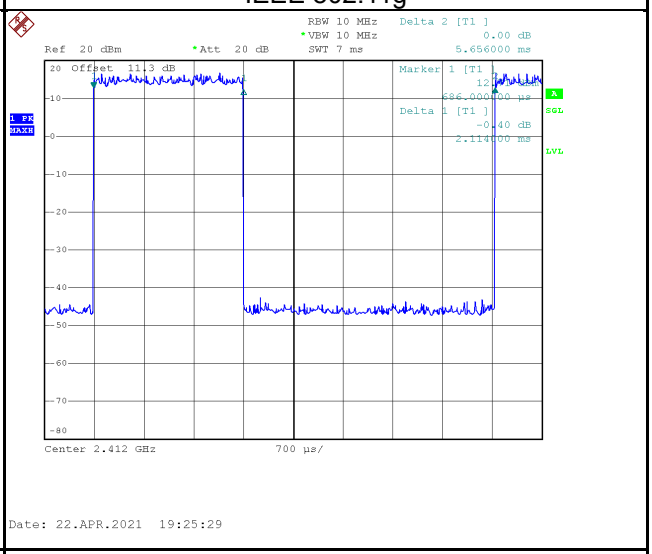
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

Remark	Delta 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	0.475	1	0.475	2.185	21.74%	6.63
IEEE 802.11g	2.114	1	2.114	5.656	37.38%	4.27
IEEE 802.11n (HT20)	0.065	1	0.065	1.820	3.57%	14.47
IEEE 802.11n (HT40)	0.065	1	0.065	1.625	4.00%	13.98

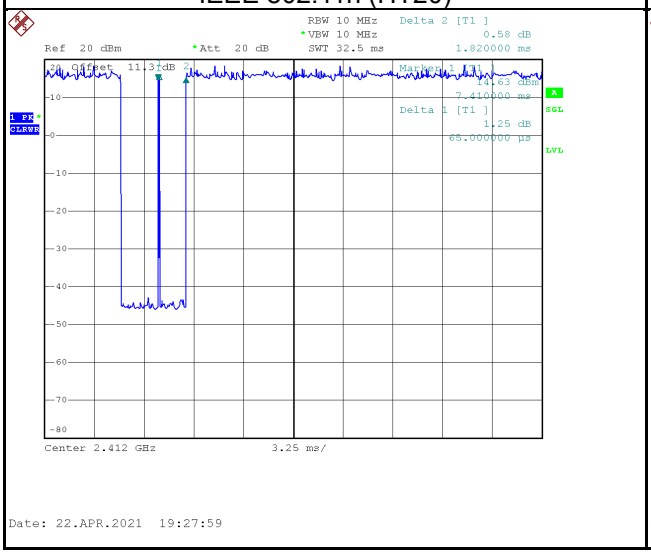
IEEE 802.11b



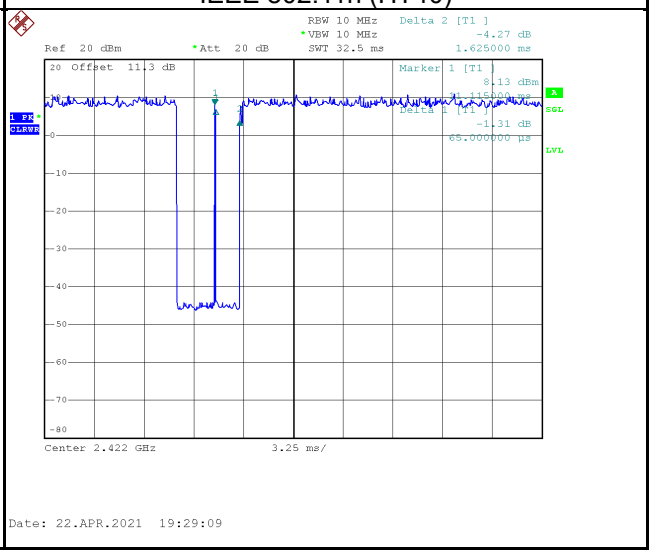
IEEE 802.11g



IEEE 802.11n (HT20)



IEEE 802.11n (HT40)



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	iTraMS CCU
Model Name	CU-304-0800-00
Brand Name	Bosch
Model Difference	N/A
Power Source	DC Voltage supplied from DC Source.
Power Rating	DC 9-32V (12V or 24V)
Products Covered	N/A
Hardware Version/Test Model	AD00 A10 064
Software Version	1277401063
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2472 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Transfer Rate	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps
Output Power Max.	IEEE 802.11b: 21.42 dBm (0.1387 W) IEEE 802.11g: 22.03 dBm (0.1596 W) IEEE 802.11n (HT20): 22.39 dBm (0.1734 W) IEEE 802.11n (HT40): 22.36 dBm (0.1722 W)
Output Power Max. -Spot check test	IEEE 802.11b: 21.43 dBm (0.1390 W) IEEE 802.11g: 22.20 dBm (0.1660 W) IEEE 802.11n (HT20): 22.35 dBm (0.1718 W) IEEE 802.11n (HT40): 22.41 dBm (0.1742 W)
Test Model	CU-304-0800-00
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	12	2467
03	2422	08	2447	13	2472
04	2427	09	2452		
05	2432	10	2457		

(3) Table for Filed Antenna:

Group I:

Antenna	Manufacture	Part No.	Type	Connector	Frequency (MHz)	Gain (dBi)
External antenna	TAOGLAS.	MA250.A.LBI.001	Dipole	SMA(M)ST	2400-2500	2.72

Group II:

Antenna	Manufacture	Part No.	Type	Connector	Frequency (MHz)	Gain (dBi)
Stubby antenna	TAOGLAS.	TG.08.0723	Dipole	SMA(M)ST	2400-2500	3.29

Group III:

Antenna	Manufacture	Part No.	Type	Connector	Frequency (MHz)	Gain (dBi)
Wi-Fi 2.4GHz antenna	taoglas antenna solutions	MA240.LBI.001	Dipole	SMA(M)	2400-2500	2.70

Group IV:

Antenna	Manufacture	Part No.	Type	Connector	Frequency (MHz)	Gain (dBi)
External antenna	TAOGLAS.	MA173. A. LBI.001	N/A	SMA(M)ST	2400-2500	1.31

NOTE: The EUT includes four groups of antennas, for Radiated External antenna and Stubby antenna are evaluated, for other test items only the worst case Stubby antenna is recorded.

(4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2 TEST MODES

Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11b	12	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/11/12/13	Bandedge
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/09/10/11	
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/06/11/12/13	Harmonic
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09/10/11	
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	TX Mode_IEEE 802.11b	01/06/11/12/13	-
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09/10/11	

Spot check test:

Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11b	06	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11n (HT40)	09	Bandedge
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	06	Harmonic
Output Power &	TX Mode_IEEE 802.11b	01/06/11/12/13	-
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09/10/11	

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

For External Antenna: MA173. A. LBI.001

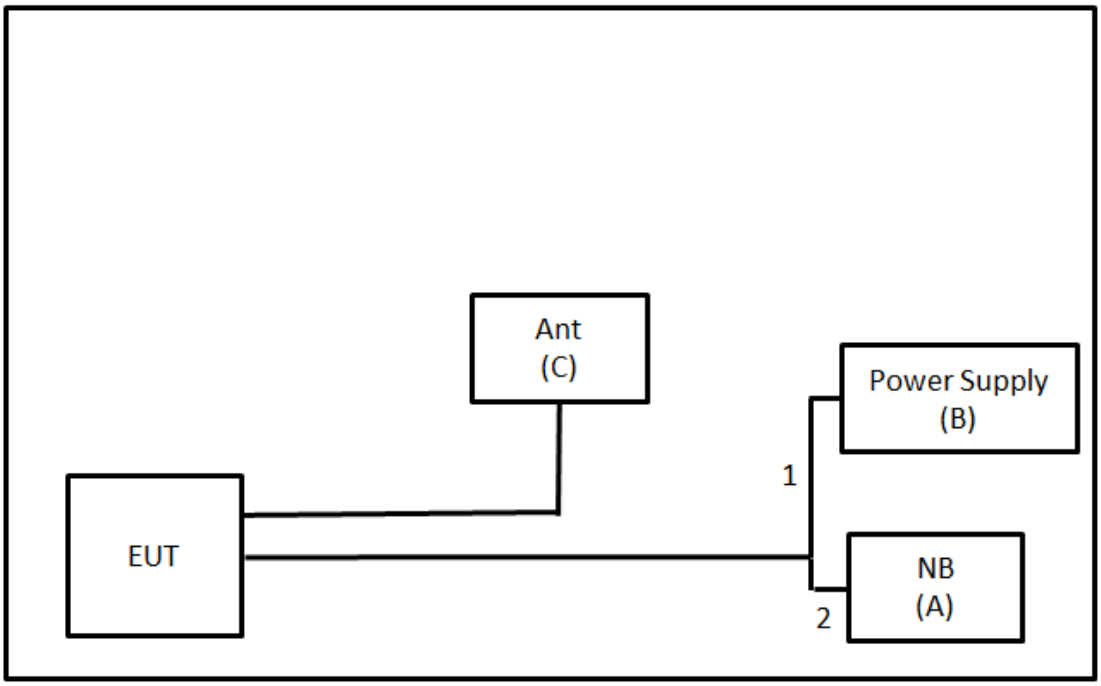
Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11b	01	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	12	Bandedge
	TX Mode_IEEE 802.11g	13	
	TX Mode_IEEE 802.11n (HT20)	01	
	TX Mode_IEEE 802.11n (HT40)	09	
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	12	Harmonic
	TX Mode_IEEE 802.11g	13	
	TX Mode_IEEE 802.11n (HT20)	01	
	TX Mode_IEEE 802.11n (HT40)	09	

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 (Y axis) is recorded.

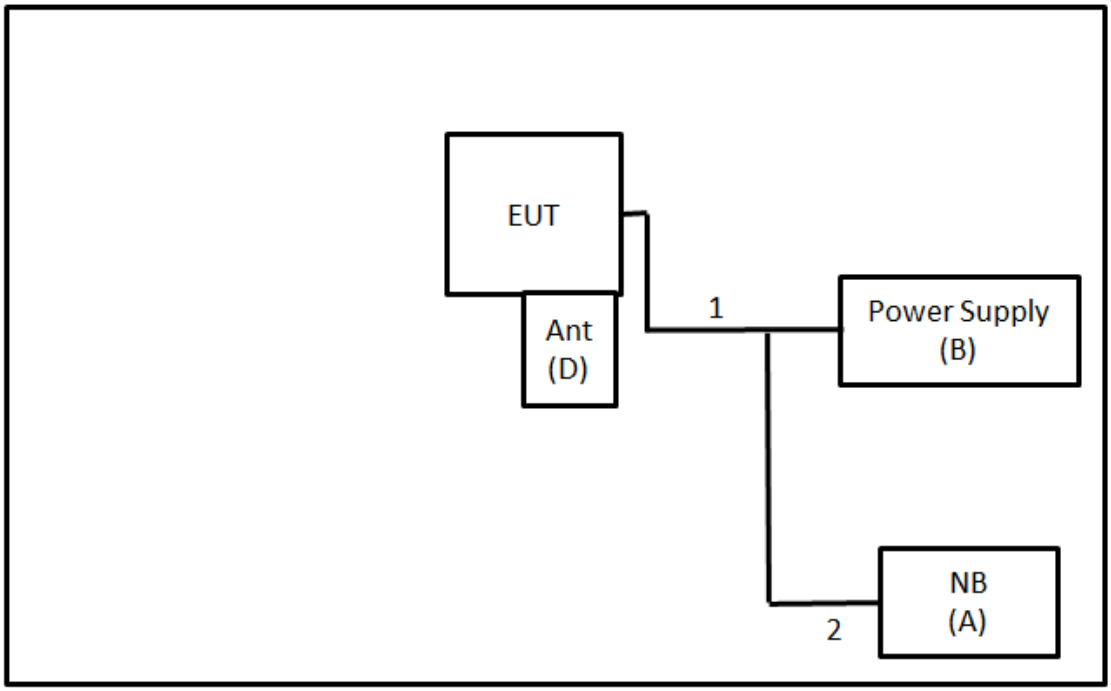
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

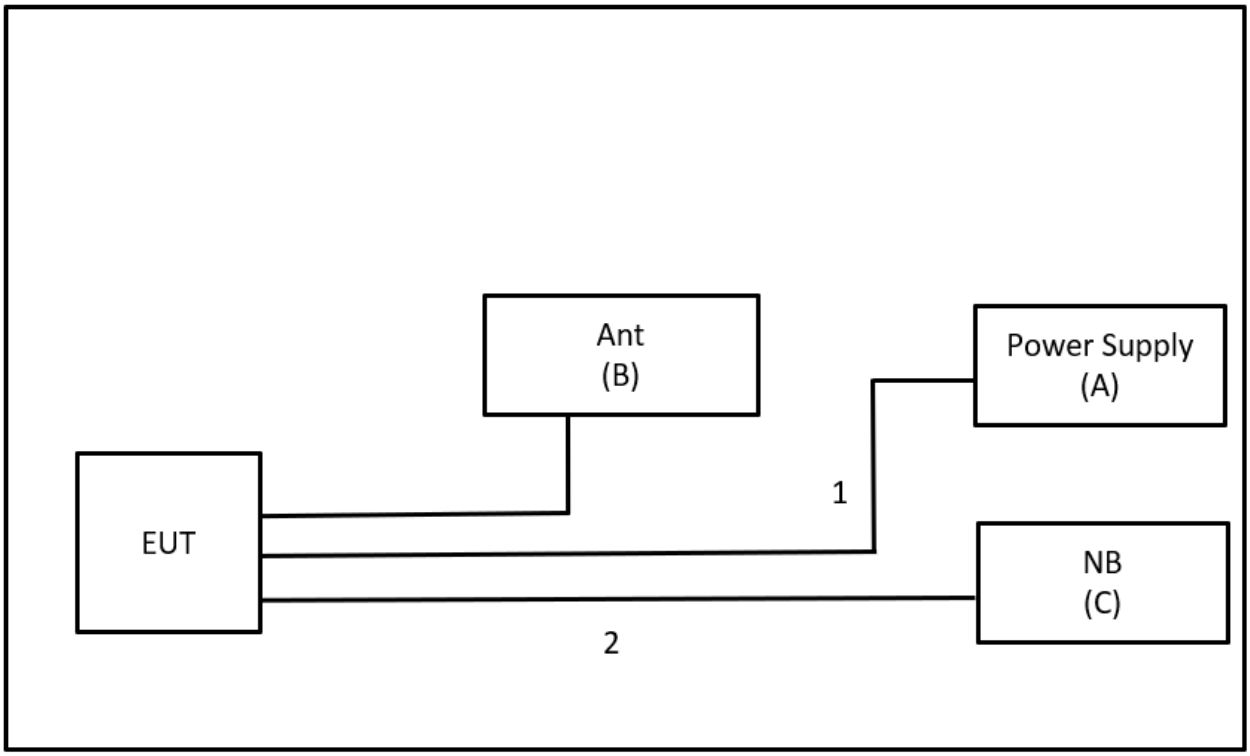
Radiated Emissions_External antenna



Radiated Emissions_Stubby antenna



For External Antenna: MA173. A. LBI.001



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	HP	TPN-I119	N/A	Furnished by test lab.
B	Power Supply	Twintex	TDS-60-15	N/A	Furnished by test lab.
C	External antenna	Taoglas	MA250.A.LBI.001	N/A	Supplied by test requester
D	Stubby antenna	Taoglas	TG.08.0723	N/A	Supplied by test requester

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	2m	Power Cord	Supplied by test requester
2	N/A	N/A	2.1m	RS 232 to USB	Supplied by test requester

For External Antenna: MA173. A. LBI.001

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Power Supply	TWINTEX	Power Supply	N/A	Furnished by test lab.
B	Antenna	TAOGLAS.	MA173. A. LBI.001	N/A	Supplied by test requester
C	NB	Asus	X555LN-0021B4210U	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	2m	Power Cord	Supplied by test requester
2	N/A	N/A	2.1m	RS 232 to USB	Supplied by test requester

3 RADIATED EMISSIONS TEST

3.1 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 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

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

3.2 TEST PROCEDURE

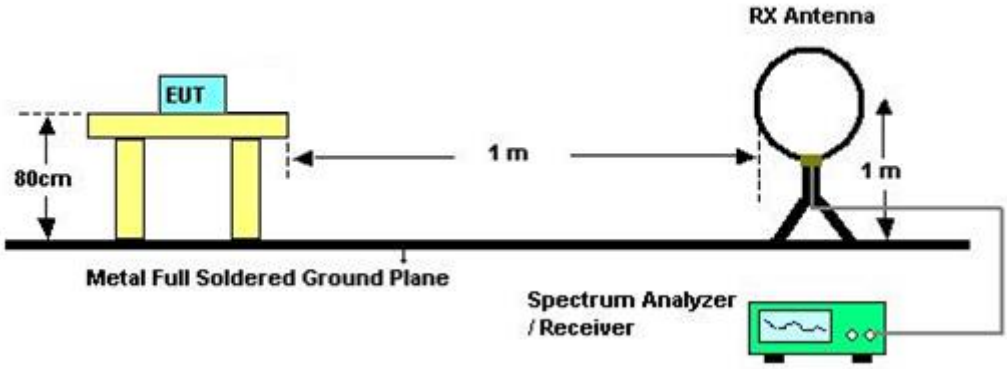
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

3.3 DEVIATION FROM TEST STANDARD

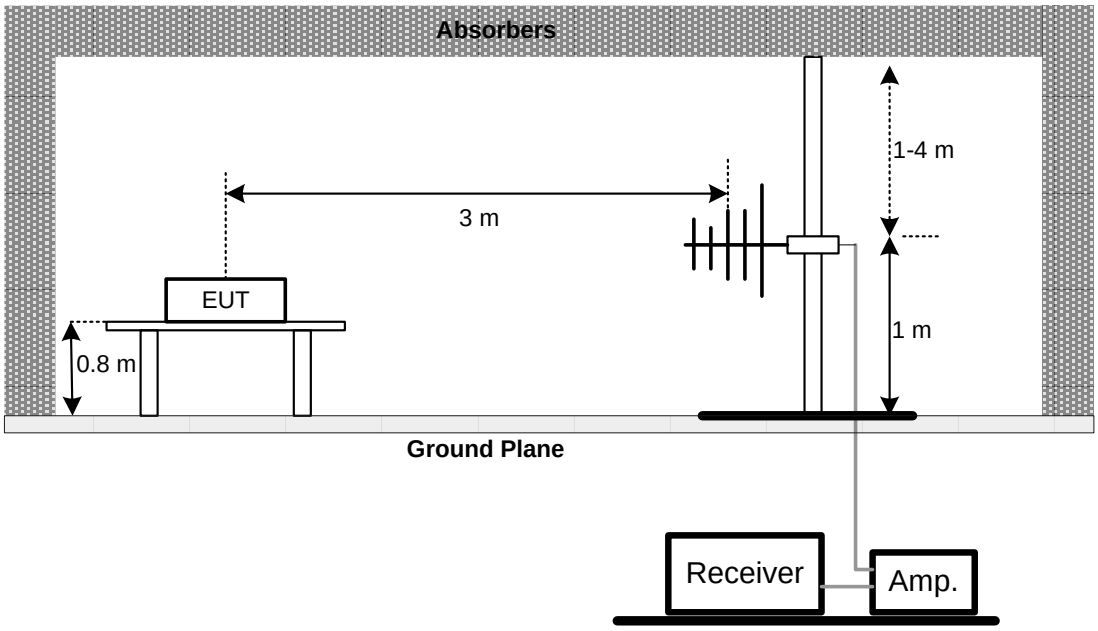
No deviation.

3.4 TEST SETUP

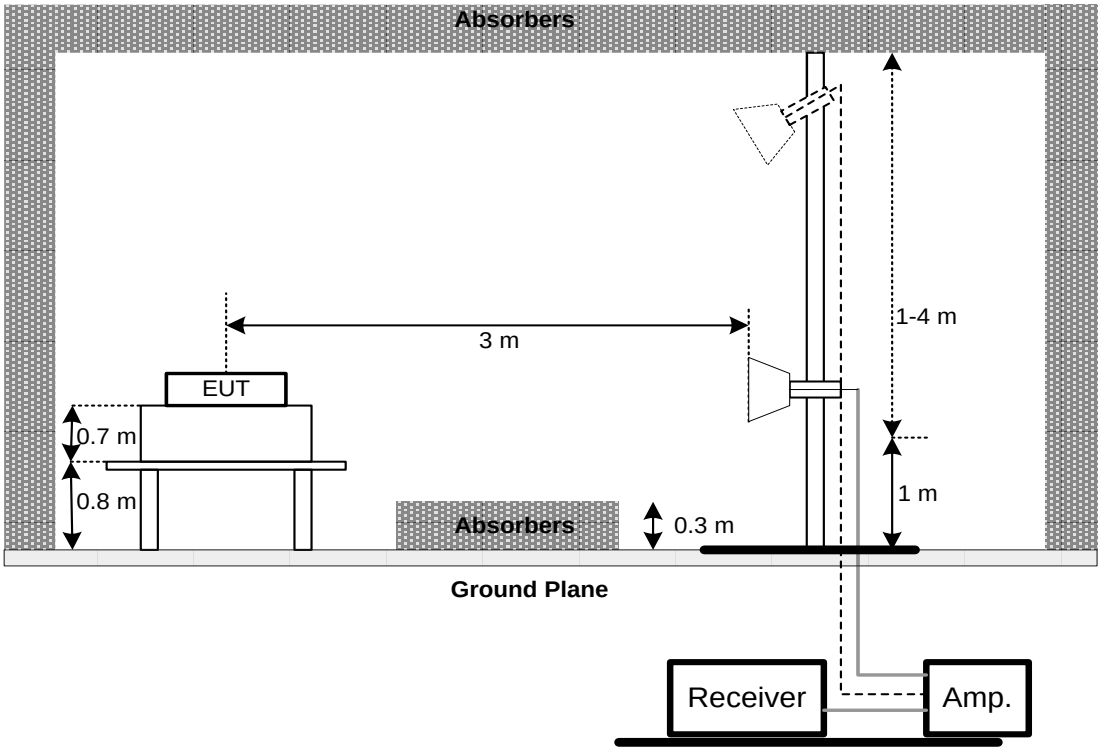
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULT – BELOW 30 MHZ

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

3.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX A.

3.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX B.

NOTE:

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

4 BANDWIDTH TEST

4.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(a)	6 dB Bandwidth	500 kHz

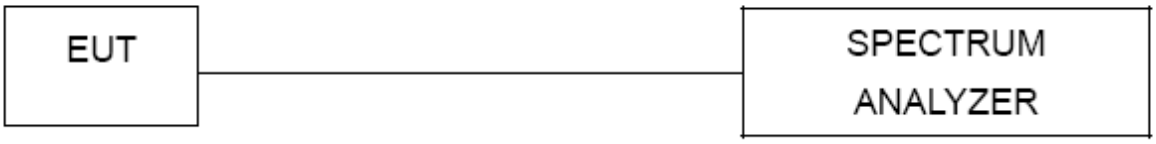
4.2 TEST PROCEDURE

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.

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT

Please refer to the APPENDIX C.

5 OUTPUT POWER TEST

5.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)	Maximum Output Power	1 Watt or 30dBm

5.2 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.

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 POWER SPECTRAL DENSITY

6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

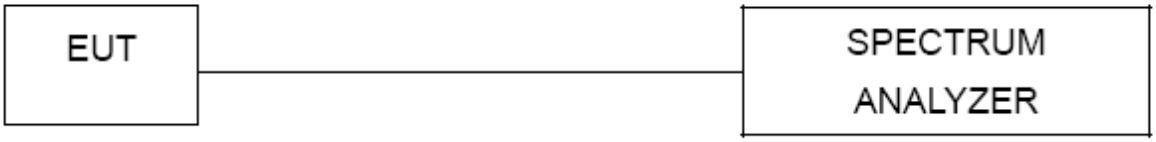
6.2 TEST PROCEDURE

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.

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 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

7.1 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.

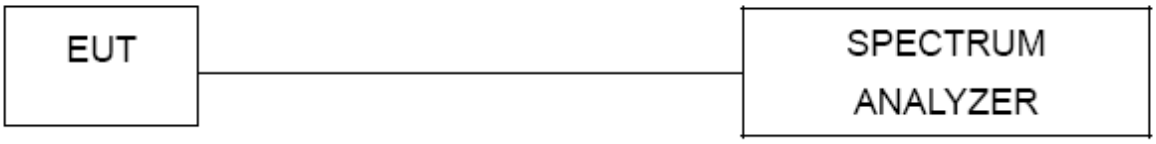
7.2 TEST PROCEDURE

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

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 LIST OF MEASURING EQUIPMENTS

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC02325B	980217	2021/4/8	2022/4/7
2	Preamplifier	EMCI	EMC012645B	980267	2021/4/8	2022/4/7
3	Preamplifier	EMCI	EMC001340	980555	2021/4/8	2022/4/7
4	Test Cable	EMCI	EMC-SM-SM-1000	180809	2021/4/8	2022/4/7
5	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2021/4/8	2022/4/7
6	Test Cable	EMCI	EMC-SM-SM-7000	180408	2021/4/8	2022/4/7
7	MXE EMI Receiver	Agilent	N9038A	MY554200087	2020/6/10	2021/6/9
8	Signal Analyzer	Agilent	N9010A	MY56480554	2020/8/25	2021/8/24
9	Loop Ant	Electro-Metrics	EMCI-LPA600	274	2020/6/16	2021/6/15
10	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2020/6/12	2021/6/11
11	Horn Ant	Schwarzbeck	BBHA 9170	BBHA 9170340	2020/7/9	2021/7/8
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	VULB 9168-352	2020/7/24	2021/7/23
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0625	2020/7/24	2021/7/23
14	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2020/6/15	2021/6/14

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Power Meter	Anritsu	ML2487A	6K00004714	2020/9/3	2021/9/2
2	Power Sensor	Anritsu	MA2491A	034138	2020/9/3	2021/9/2

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2020/6/15	2021/6/14

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2020/6/15	2021/6/14

Spot check test:

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC02325B	980217	2021/4/8	2022/4/7
2	Preamplifier	EMCI	EMC012645B	980267	2021/4/8	2022/4/7
3	Preamplifier	EMCI	EMC001340	980555	2021/4/8	2022/4/7
4	Test Cable	EMCI	EMC-SM-SM-1000	180809	2021/4/8	2022/4/7
5	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2021/4/8	2022/4/7
6	Test Cable	EMCI	EMC-SM-SM-7000	180408	2021/4/8	2022/4/7
7	MXE EMI Receiver	Agilent	N9038A	MY554200087	2021/5/27	2022/5/26
8	Signal Analyzer	Agilent	N9010A	MY56480554	2020/8/25	2021/8/24
9	Loop Ant	Electro-Metrics	EMCI-LPA600	274	2021/6/1	2022/5/31
10	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2021/6/2	2022/6/1
11	Horn Ant	Schwarzbeck	BBHA 9170	BBHA 9170340	2021/7/9	2022/7/8
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	VULB 9168-352	2020/7/24	2021/7/23
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0625	2020/7/24	2021/7/23
14	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP38	101139	2021/3/5	2022/3/4
2	Power Meter	Anritsu	ML2487A	6K00004714	2020/9/3	2021/9/2

For External Antenna: MA173. A. LBI.001

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	2022/3/8	2023/3/7
3	Preamplifier	EMCI	EMC184045SE	980882	2022/2/9	2023/2/8
4	Preamplifier	EMCI	EMC001340	980555	2022/4/6	2023/4/5
5	Test Cable	EMCI	EMC104-SM-SM-1000	220319	2022/3/15	2023/3/14
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2022/3/15	2023/3/14
7	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2022/3/15	2023/3/14
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2022/3/7	2023/3/6
9	Loop Ant	Electro-Metrics	EMCI-LPA600	274	2022/6/16	2023/6/15
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2022/5/18	2023/5/17
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2022/5/18	2023/5/17
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2022/5/20	2023/5/19
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-N0625	2022/5/20	2023/5/19
14	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

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

9 EUT TEST PHOTO

Please refer to document Appendix No.: TP-2103T126A-FCCP-1 (APPENDIX-TEST PHOTOS).

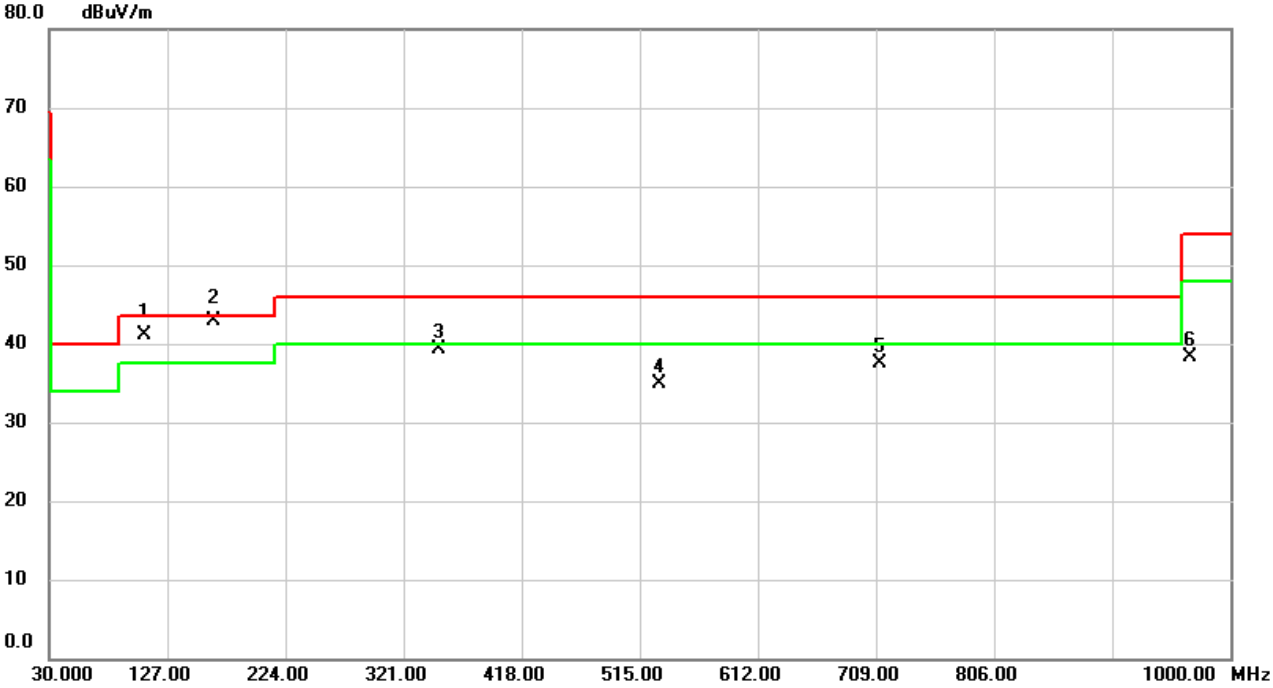
10 EUT PHOTOS

Please refer to document Appendix No.: EP-2103T126A-1 (APPENDIX-EUT PHOTOS).

APPENDIX A RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

For External Antenna:

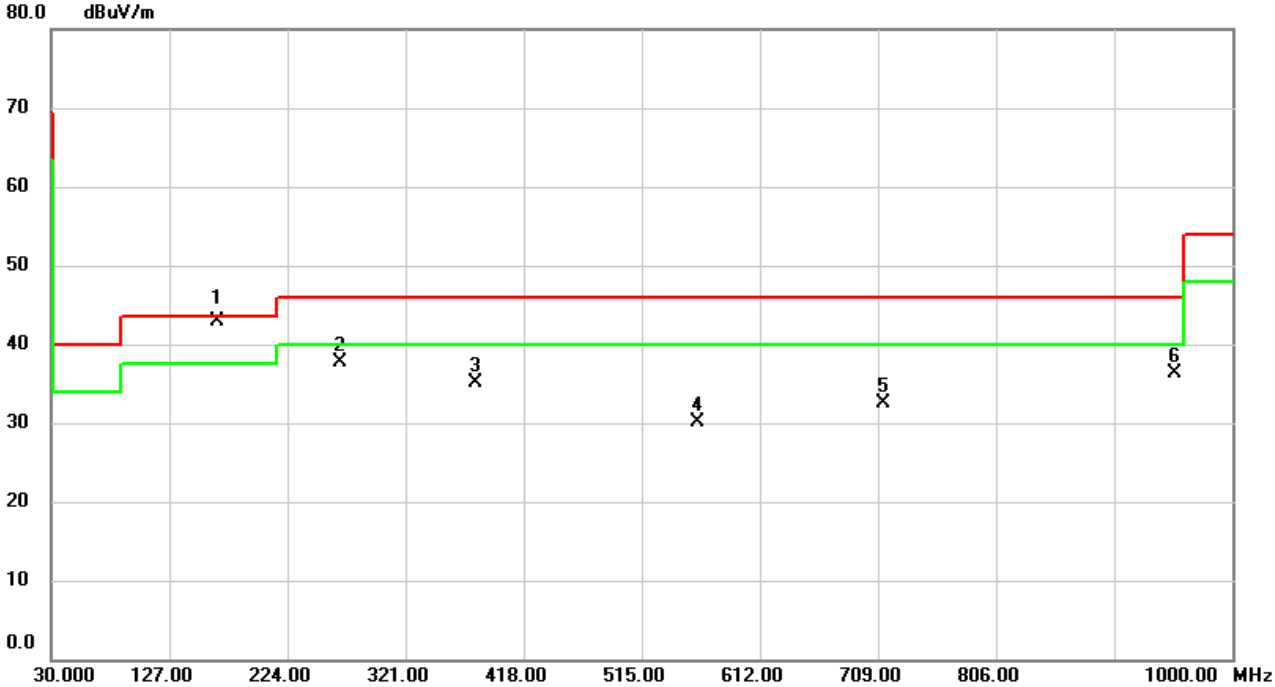
Test Mode	IEEE802.11b	Test Date	2021/5/5
Test Frequency	2467MHz	Polarization	Vertical
Temp	24°C	Hum.	57%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	107.6323	52.97	-11.82	41.15	43.50	-2.35	QP	
2	*	165.4120	51.33	-8.45	42.88	43.50	-0.62	QP	
3		350.6172	45.37	-6.13	39.24	46.00	-6.76	peak	
4		531.0050	36.98	-2.15	34.83	46.00	-11.17	peak	
5		711.7481	36.52	1.07	37.59	46.00	-8.41	peak	
6		966.4380	32.99	5.30	38.29	54.00	-15.71	peak	

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

Test Mode	IEEE802.11b	Test Date	2021/5/5
Test Frequency	2467MHz	Polarization	Horizontal
Temp	24°C	Hum.	57%

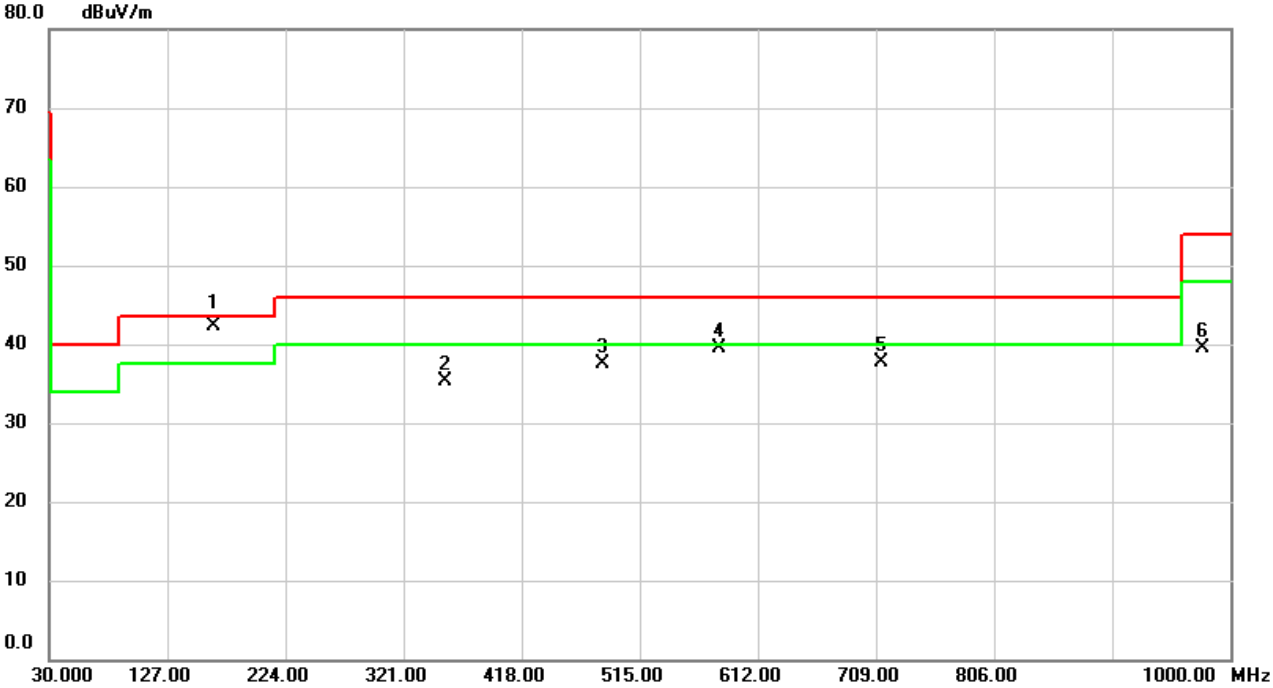


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	166.6730	51.41	-8.48	42.93	43.50	-0.57	QP	
2		267.0680	46.29	-8.55	37.74	46.00	-8.26	peak	
3		378.3593	40.50	-5.40	35.10	46.00	-10.90	peak	
4		560.8487	31.58	-1.54	30.04	46.00	-15.96	peak	
5		713.7853	31.40	1.13	32.53	46.00	-13.47	peak	
6		952.2113	31.28	5.11	36.39	46.00	-9.61	peak	

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

For Stubby Antenna:

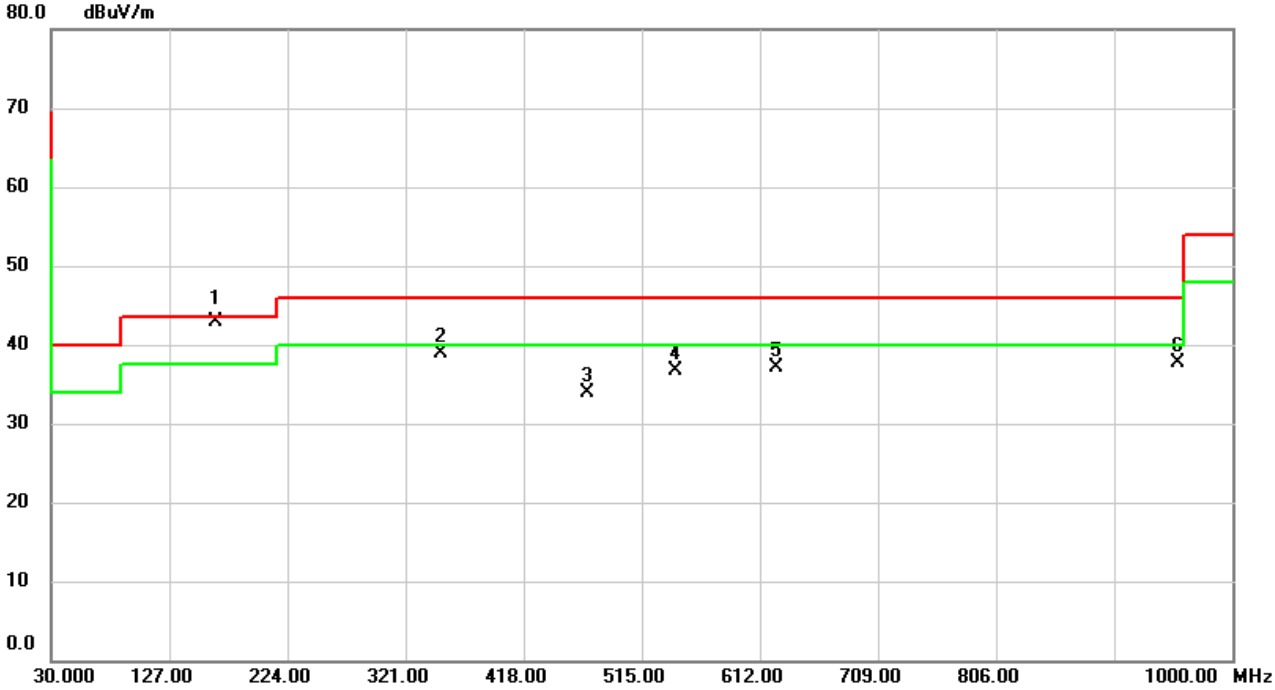
Test Mode	IEEE802.11b	Test Date	2021/5/7
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	165.2503	50.81	-8.44	42.37	43.50	-1.13	QP	
2		355.3380	41.29	-6.00	35.29	46.00	-10.71	peak	
3		484.6390	40.64	-3.04	37.60	46.00	-8.40	peak	
4		579.8605	40.58	-1.10	39.48	46.00	-6.52	peak	
5		713.2355	36.67	1.11	37.78	46.00	-8.22	peak	
6		977.6576	34.17	5.42	39.59	54.00	-14.41	peak	

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

Test Mode	IEEE802.11b	Test Date	2021/5/7
Test Frequency	2467MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%

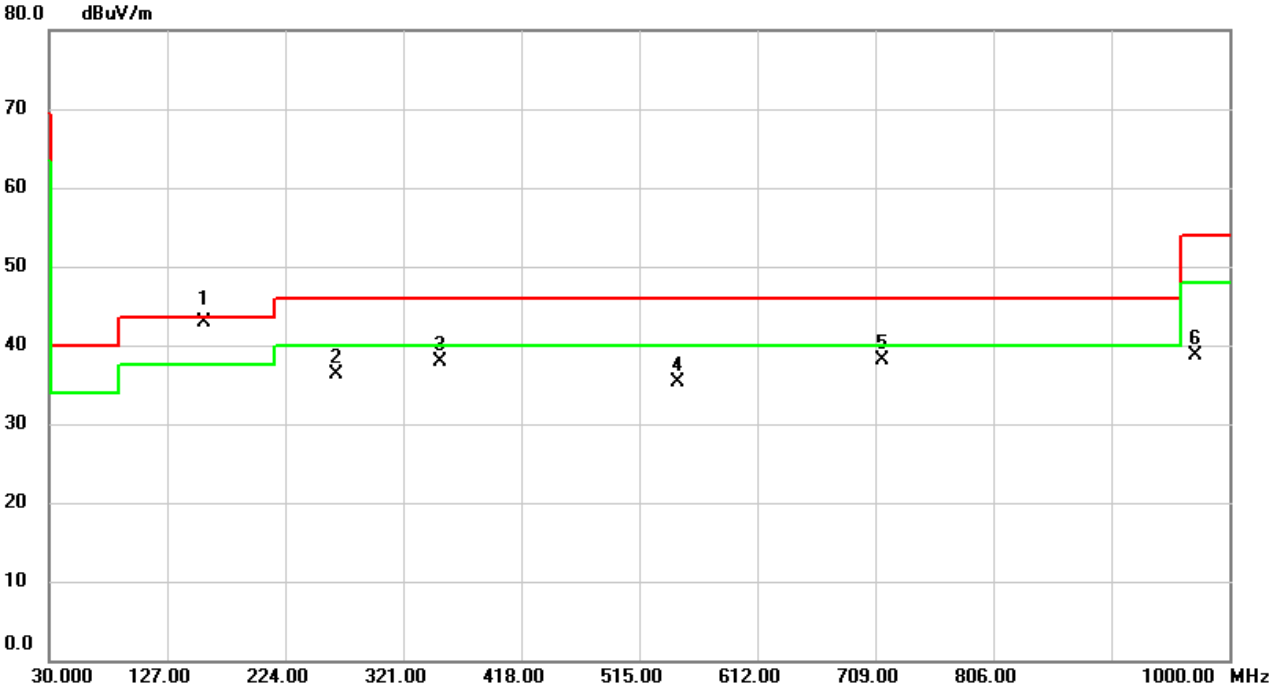


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	165.6706	51.45	-8.46	42.99	43.50	-0.51	QP	
2		350.5850	45.05	-6.13	38.92	46.00	-7.08	peak	
3		470.8002	37.28	-3.30	33.98	46.00	-12.02	peak	
4		542.4832	38.56	-1.93	36.63	46.00	-9.37	peak	
5		624.9980	37.48	-0.29	37.19	46.00	-8.81	peak	
6		955.5416	32.60	5.15	37.75	46.00	-8.25	peak	

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

Spot check test:
For External Antenna:

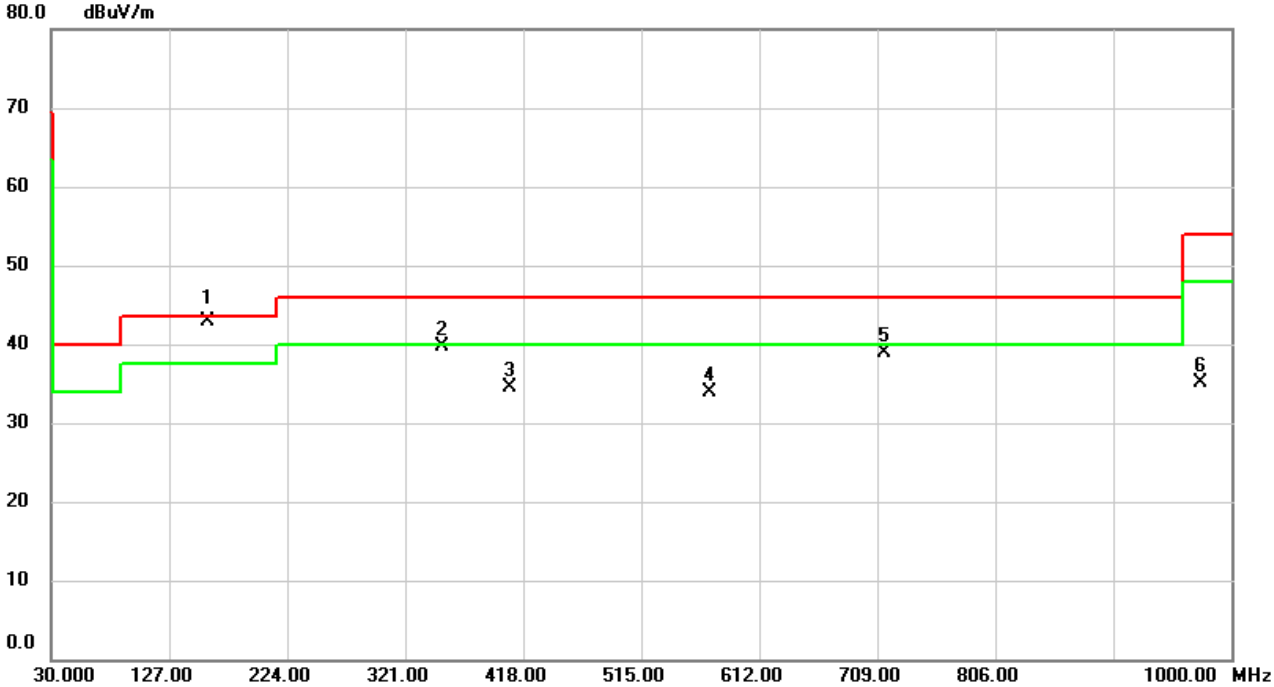
Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	157.4900	51.28	-8.31	42.97	43.50	-0.53	QP	
2		266.4211	44.79	-8.58	36.21	46.00	-9.79	peak	
3		351.5226	43.99	-6.10	37.89	46.00	-8.11	peak	
4		547.0421	37.15	-1.85	35.30	46.00	-10.70	peak	
5		714.6260	36.91	1.14	38.05	46.00	-7.95	peak	
6		972.4520	33.36	5.37	38.73	54.00	-15.27	peak	

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

Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	55%

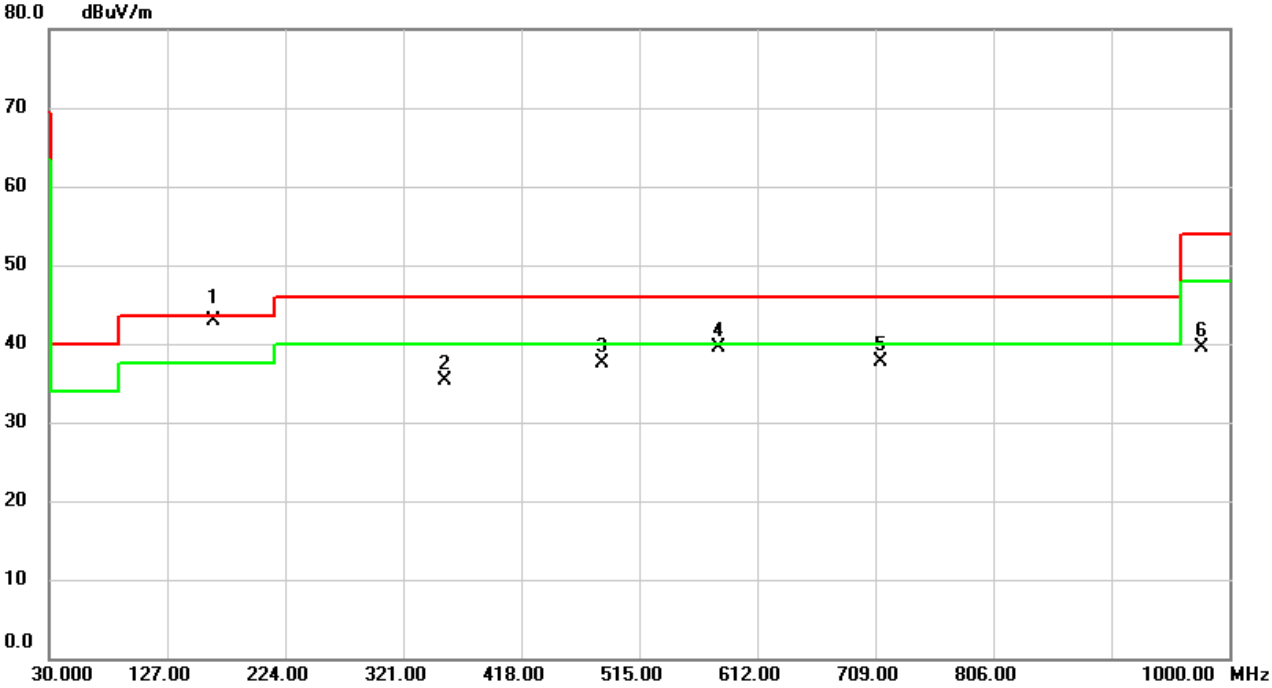


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	158.2983	51.25	-8.29	42.96	43.50	-0.54	QP	
2		351.5550	45.77	-6.10	39.67	46.00	-6.33	peak	
3		406.6831	39.23	-4.68	34.55	46.00	-11.45	peak	
4		571.1630	35.18	-1.31	33.87	46.00	-12.13	peak	
5		714.7553	37.69	1.15	38.84	46.00	-7.16	peak	
6		975.0063	29.73	5.40	35.13	54.00	-18.87	peak	

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

For Stubby Antenna:

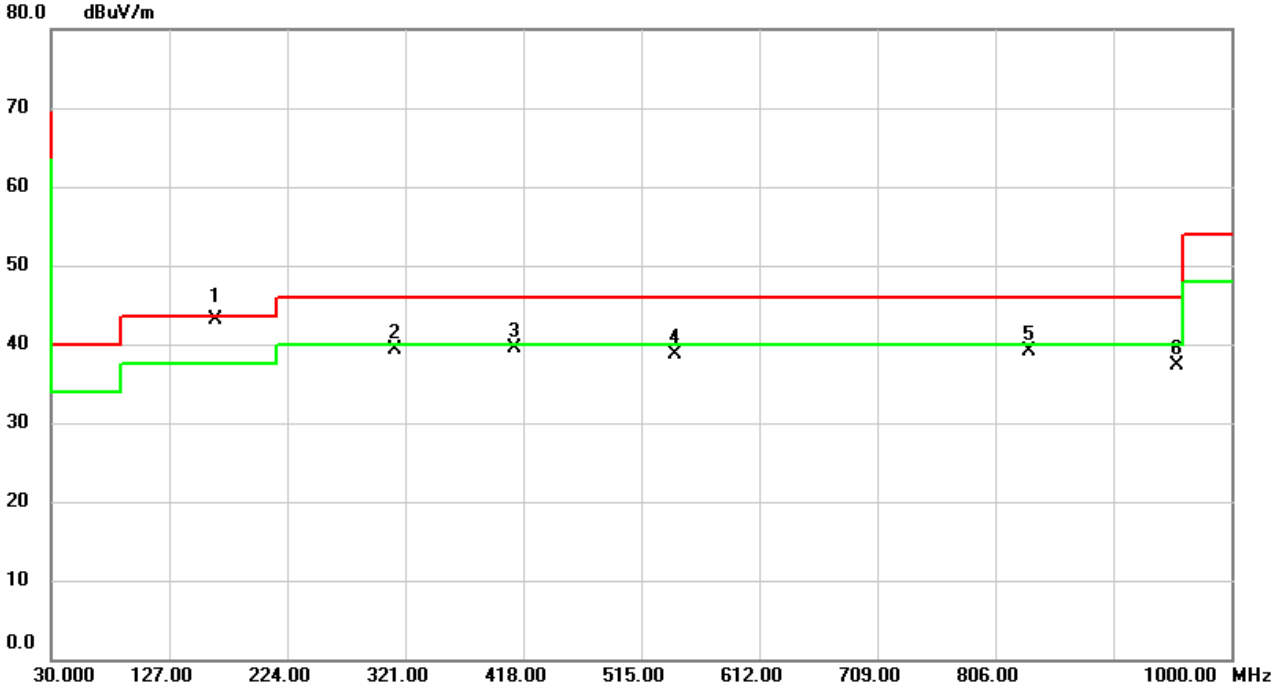
Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	165.2503	51.39	-8.44	42.95	43.50	-0.55	QP	
2		355.3380	41.29	-6.00	35.29	46.00	-10.71	peak	
3		484.6390	40.64	-3.04	37.60	46.00	-8.40	peak	
4		579.8605	40.58	-1.10	39.48	46.00	-6.52	peak	
5		713.2355	36.67	1.11	37.78	46.00	-8.22	peak	
6		977.6576	34.17	5.42	39.59	54.00	-14.41	peak	

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

Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	55%

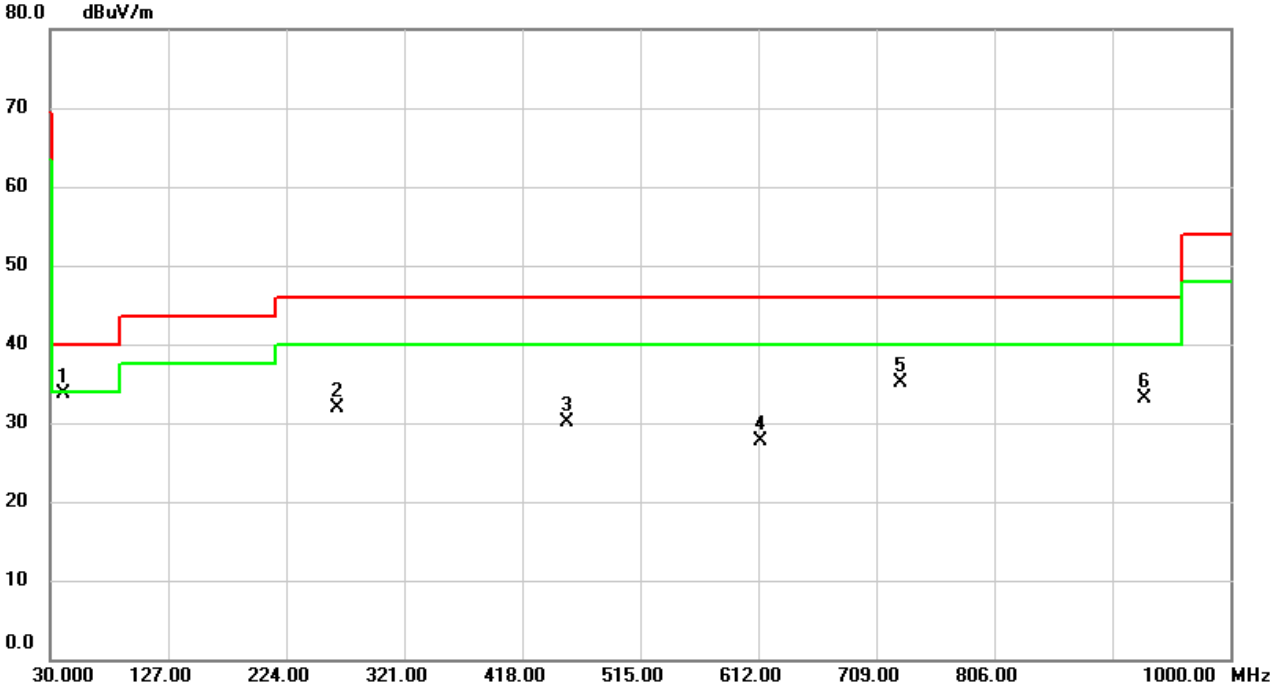


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	165.6706	51.49	-8.46	43.03	43.50	-0.47	QP	
2		311.9790	46.40	-7.08	39.32	46.00	-6.68	peak	
3		410.4662	44.09	-4.59	39.50	46.00	-6.50	peak	
4		542.4832	40.56	-1.93	38.63	46.00	-7.37	peak	
5		833.2893	35.90	3.13	39.03	46.00	-6.97	peak	
6		955.5416	32.10	5.15	37.25	46.00	-8.75	peak	

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

For External Antenna: MA173. A. LBI.001

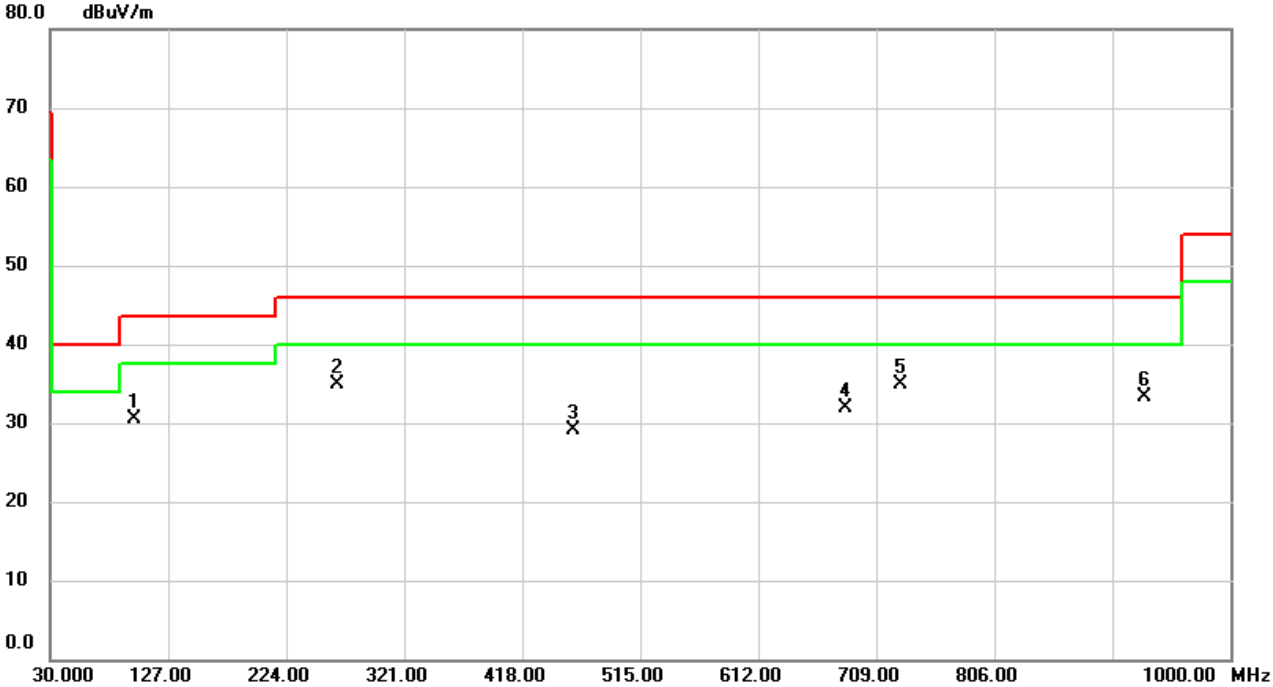
Test Mode	IEEE 802.11b	Test Date	2022/8/25
Test Frequency	2412MHz	Polarization	Vertical
Temp	28°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	41.0902	51.22	-17.60	33.62	40.00	-6.38	peak	
2		265.6453	51.42	-19.52	31.90	46.00	-14.10	peak	
3		455.2803	44.37	-14.20	30.17	46.00	-15.83	peak	
4		614.0692	38.01	-10.37	27.64	46.00	-18.36	peak	
5		729.3377	43.44	-8.40	35.04	46.00	-10.96	peak	
6		929.9337	38.38	-5.33	33.05	46.00	-12.95	peak	

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

Test Mode	IEEE 802.11b	Test Date	2022/8/25
Test Frequency	2412MHz	Polarization	Horizontal
Temp	28°C	Hum.	62%



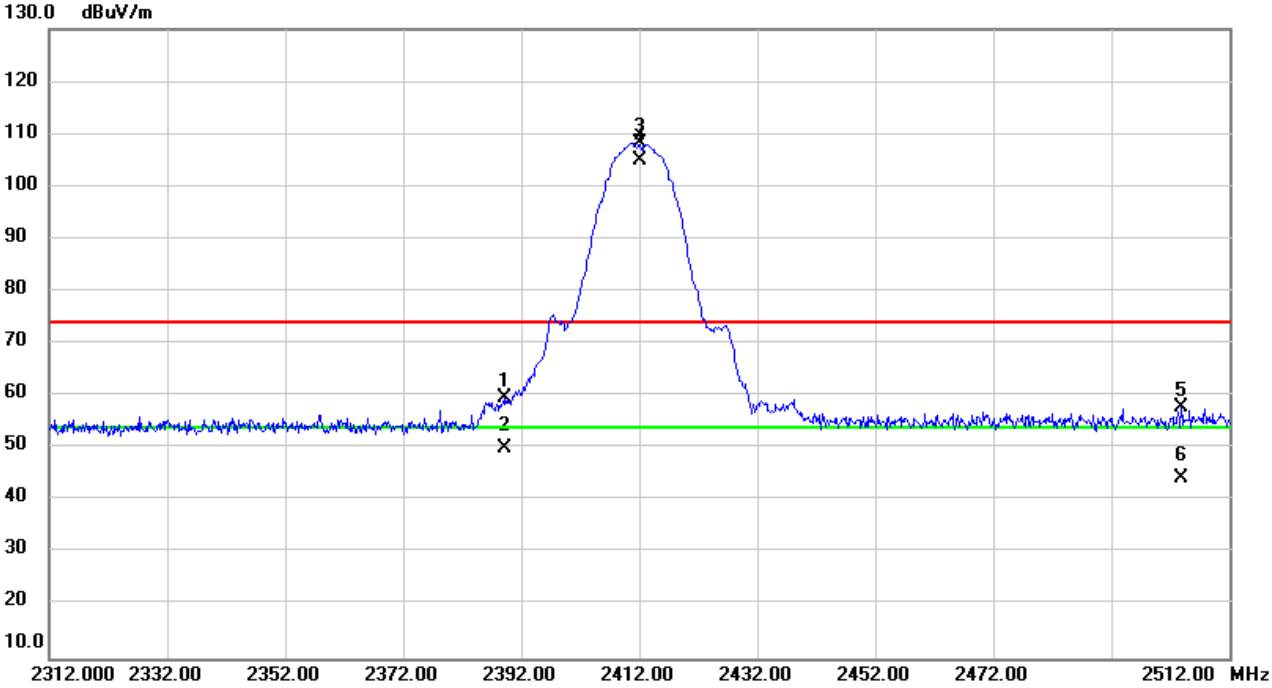
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		99.0962	52.47	-21.94	30.53	43.50	-12.97	peak	
2		266.5830	54.41	-19.47	34.94	46.00	-11.06	peak	
3		460.4860	43.14	-14.12	29.02	46.00	-16.98	peak	
4		683.3595	41.22	-9.37	31.85	46.00	-14.15	peak	
5	*	729.2406	43.40	-8.40	35.00	46.00	-11.00	peak	
6		929.9336	38.56	-5.33	33.23	46.00	-12.77	peak	

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

APPENDIX B RADIATED EMISSIONS - ABOVE 1 GHZ

For External antenna:

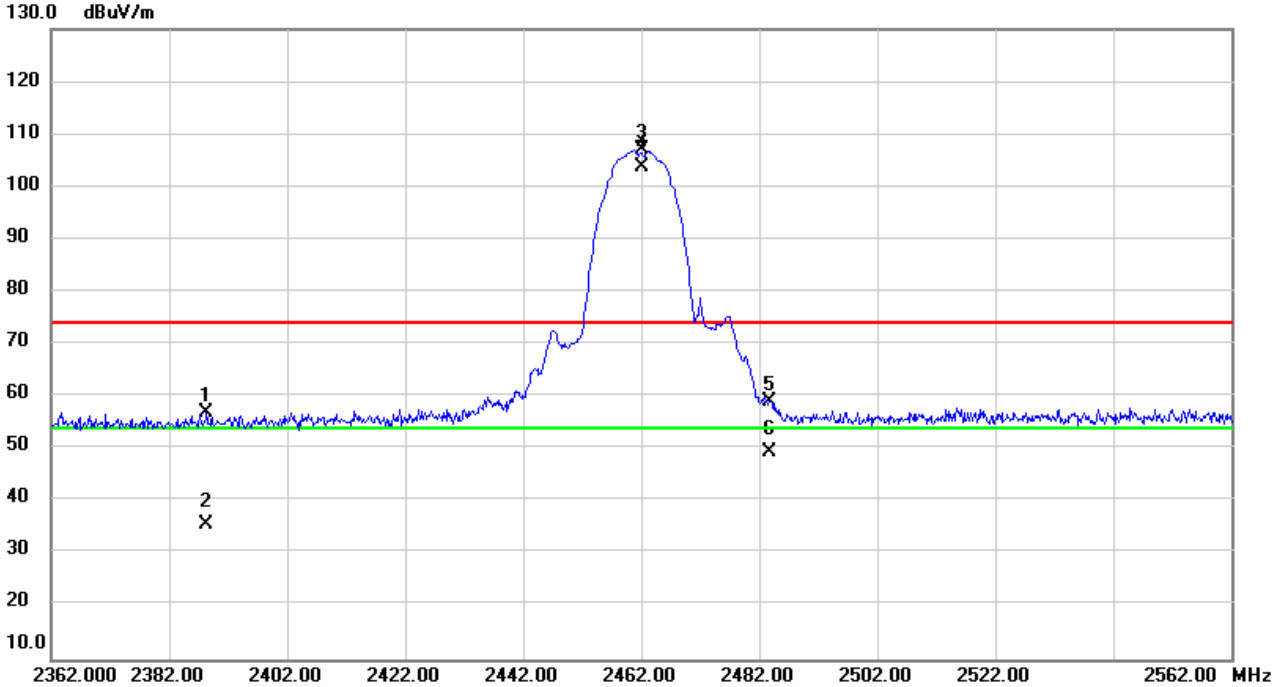
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.320	28.81	30.78	59.59	74.00	-14.41	peak	
2		2389.320	19.38	30.78	50.16	54.00	-3.84	AVG	
3	X	2412.000	77.42	30.88	108.30	74.00	34.30	peak	NoLimit
4	*	2412.000	74.10	30.88	104.98	54.00	50.98	AVG	NoLimit
5		2503.860	26.61	31.24	57.85	74.00	-16.15	peak	
6		2503.860	13.19	31.24	44.43	54.00	-9.57	AVG	

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

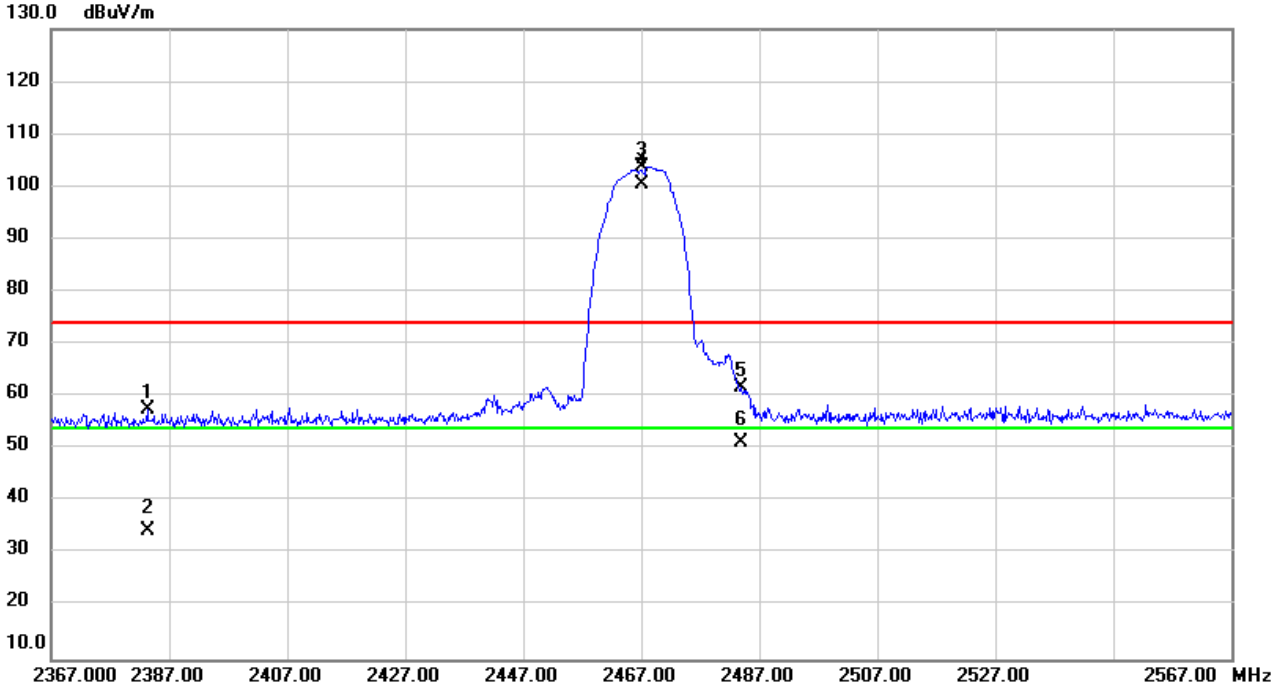
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.340	26.30	30.78	57.08	74.00	-16.92	peak	
2		2388.340	4.77	30.78	35.55	54.00	-18.45	AVG	
3	X	2462.000	75.84	31.08	106.92	74.00	32.92	peak	NoLimit
4	*	2462.000	72.60	31.08	103.68	54.00	49.68	AVG	NoLimit
5		2483.780	27.88	31.16	59.04	74.00	-14.96	peak	
6		2483.780	18.29	31.16	49.45	54.00	-4.55	AVG	

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

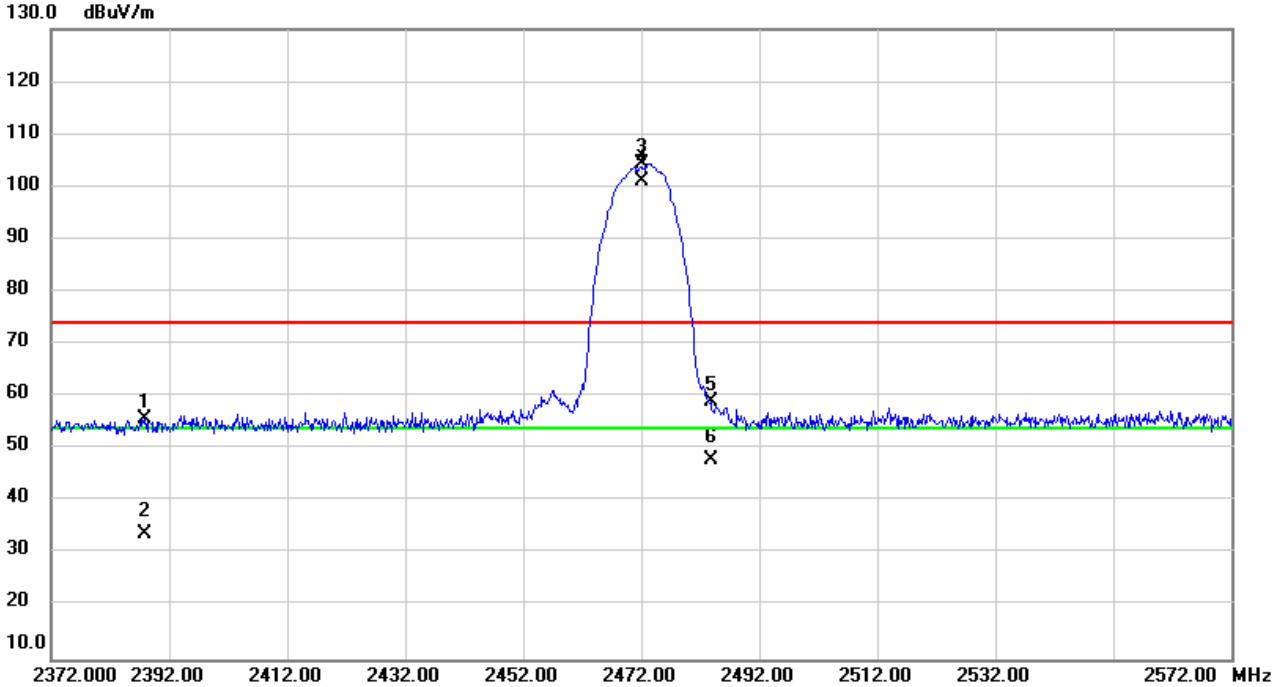
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.353	26.70	30.76	57.46	74.00	-16.54	peak	
2		2383.353	3.79	30.76	34.55	54.00	-19.45	AVG	
3	X	2467.000	72.72	31.10	103.82	74.00	29.82	peak	NoLimit
4	*	2467.000	69.27	31.10	100.37	54.00	46.37	AVG	NoLimit
5		2483.887	30.55	31.17	61.72	74.00	-12.28	peak	
6		2483.887	20.22	31.17	51.39	54.00	-2.61	AVG	

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

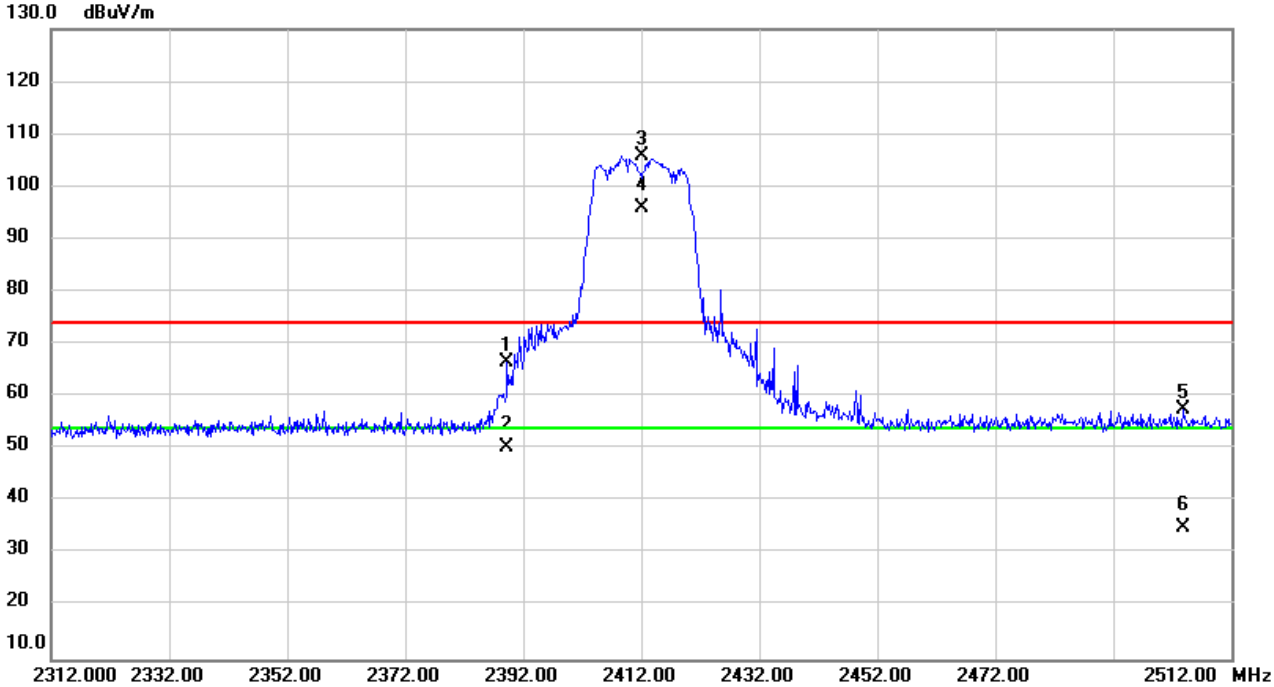
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.887	24.97	30.78	55.75	74.00	-18.25	peak	
2		2387.887	2.95	30.78	33.73	54.00	-20.27	AVG	
3	X	2472.000	73.35	31.11	104.46	74.00	30.46	peak	NoLimit
4	*	2472.000	69.87	31.11	100.98	54.00	46.98	AVG	NoLimit
5		2483.740	27.85	31.16	59.01	74.00	-14.99	peak	
6		2483.740	16.90	31.16	48.06	54.00	-5.94	AVG	

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

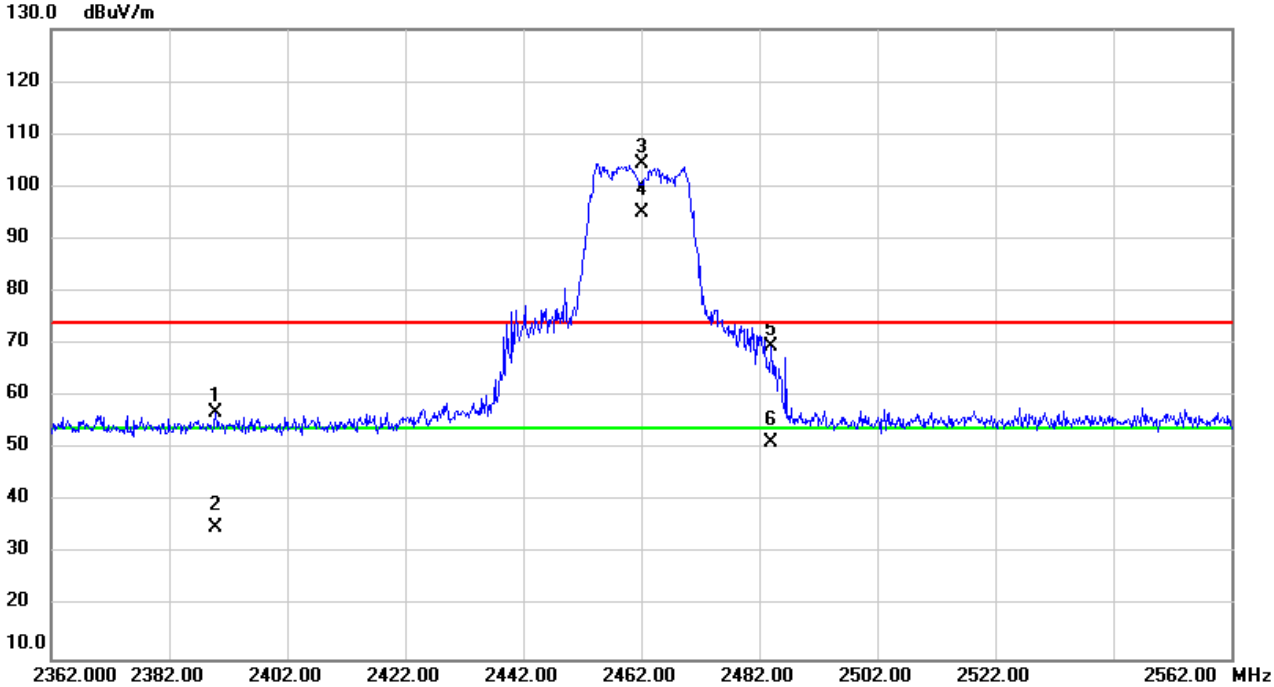
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.293	35.86	30.78	66.64	74.00	-7.36	peak	
2		2389.293	19.72	30.78	50.50	54.00	-3.50	AVG	
3	X	2412.000	74.92	30.88	105.80	74.00	31.80	peak	NoLimit
4	*	2412.000	64.99	30.88	95.87	54.00	41.87	AVG	NoLimit
5		2503.933	26.33	31.24	57.57	74.00	-16.43	peak	
6		2503.933	3.67	31.24	34.91	54.00	-19.09	AVG	

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

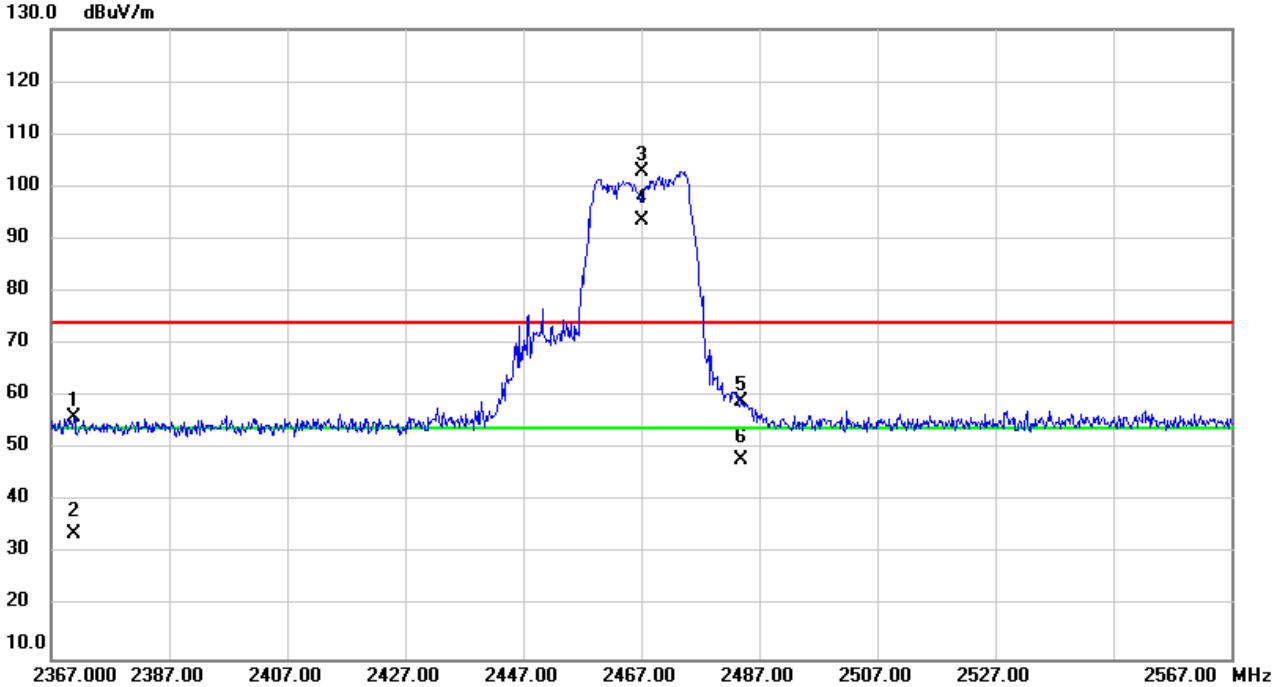
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.873	26.17	30.79	56.96	74.00	-17.04	peak	
2		2389.873	4.33	30.79	35.12	54.00	-18.88	AVG	
3	X	2462.000	73.30	31.08	104.38	74.00	30.38	peak	NoLimit
4	*	2462.000	63.93	31.08	95.01	54.00	41.01	AVG	NoLimit
5		2484.007	38.35	31.17	69.52	74.00	-4.48	peak	
6		2484.007	20.12	31.17	51.29	54.00	-2.71	AVG	

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

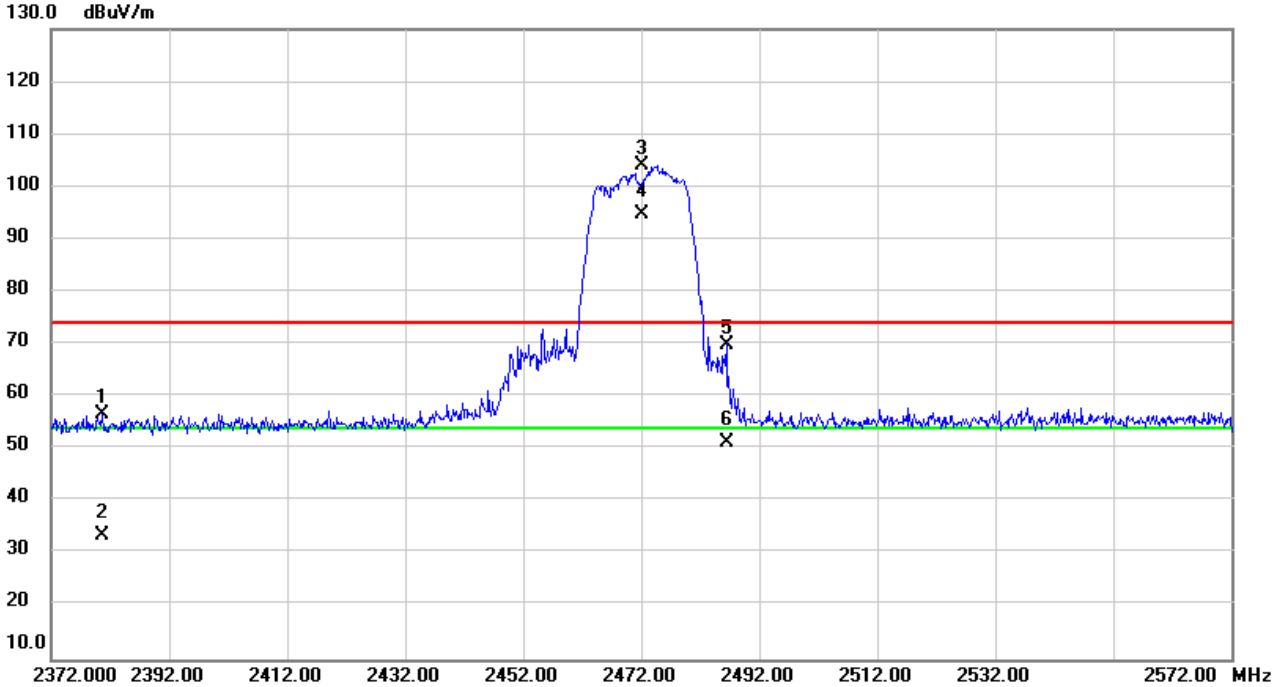
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2370.960	25.30	30.71	56.01	74.00	-17.99	peak	
2		2370.960	3.25	30.71	33.96	54.00	-20.04	AVG	
3	X	2467.000	71.85	31.10	102.95	74.00	28.95	peak	NoLimit
4	*	2467.000	62.59	31.10	93.69	54.00	39.69	AVG	NoLimit
5		2483.987	27.77	31.17	58.94	74.00	-15.06	peak	
6		2483.987	16.89	31.17	48.06	54.00	-5.94	AVG	

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

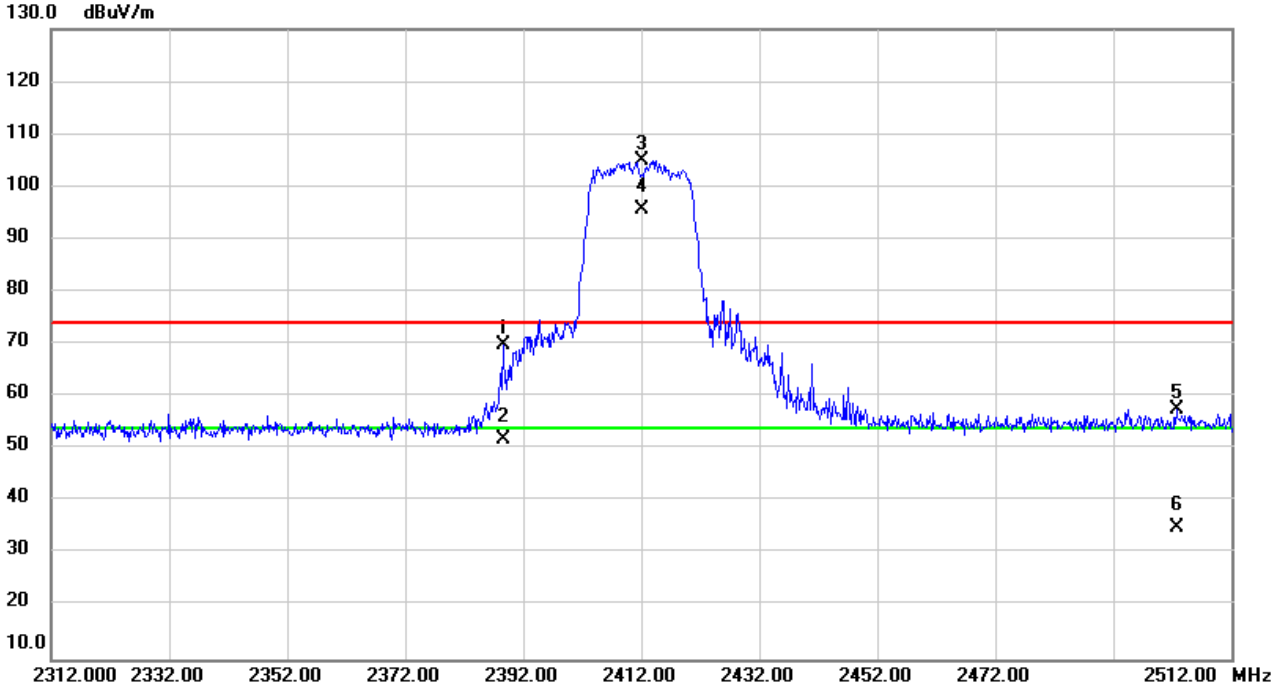
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.667	25.79	30.75	56.54	74.00	-17.46	peak	
2		2380.667	2.77	30.75	33.52	54.00	-20.48	AVG	
3	X	2472.000	72.95	31.11	104.06	74.00	30.06	peak	NoLimit
4	*	2472.000	63.51	31.11	94.62	54.00	40.62	AVG	NoLimit
5		2486.420	38.83	31.17	70.00	74.00	-4.00	peak	
6		2486.420	20.23	31.17	51.40	54.00	-2.60	AVG	

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

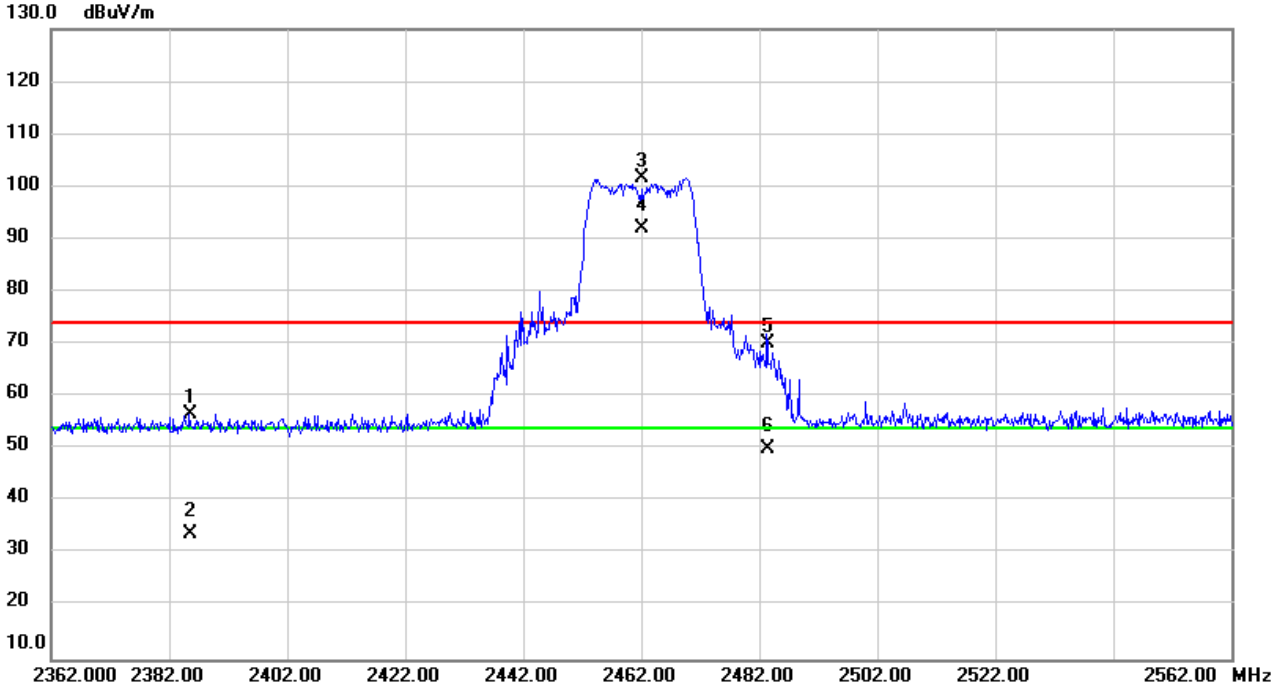
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.573	39.22	30.78	70.00	74.00	-4.00	peak	
2		2388.573	21.07	30.78	51.85	54.00	-2.15	AVG	
3	X	2412.000	74.00	30.88	104.88	74.00	30.88	peak	NoLimit
4	*	2412.000	64.65	30.88	95.53	54.00	41.53	AVG	NoLimit
5		2502.780	26.33	31.24	57.57	74.00	-16.43	peak	
6		2502.780	3.85	31.24	35.09	54.00	-18.91	AVG	

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

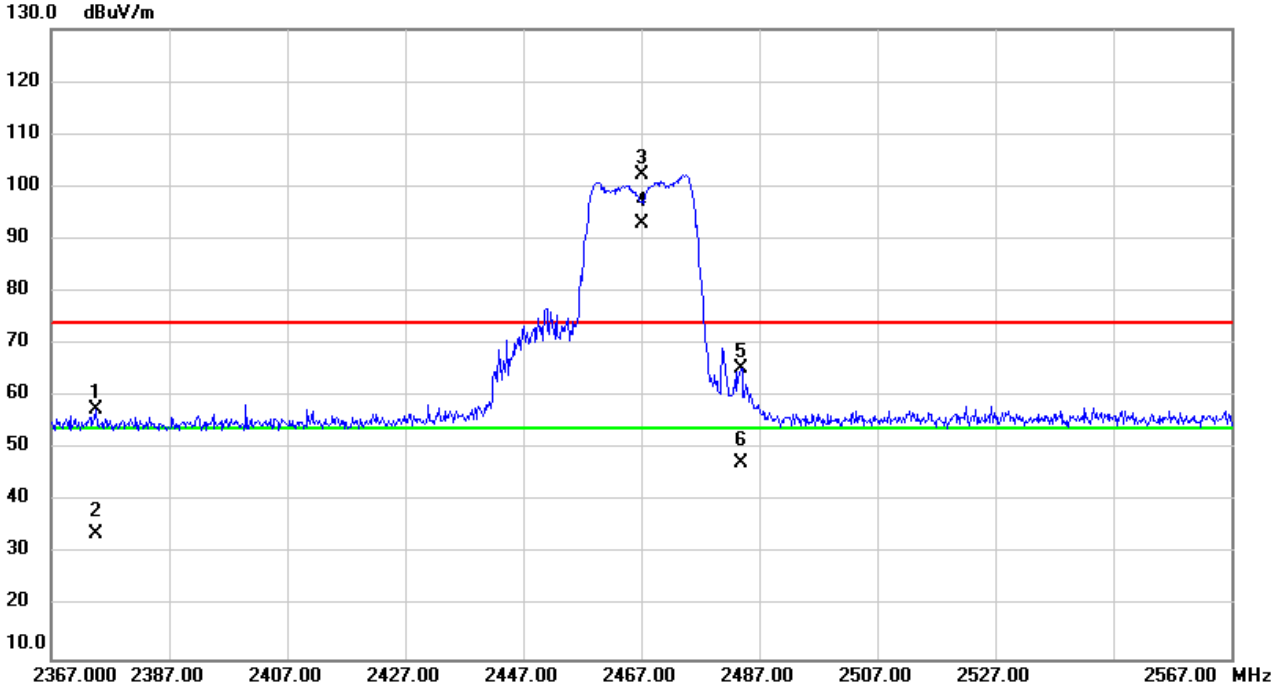
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.467	25.97	30.77	56.74	74.00	-17.26	peak	
2		2385.467	3.14	30.77	33.91	54.00	-20.09	AVG	
3	X	2462.000	70.56	31.08	101.64	74.00	27.64	peak	NoLimit
4	*	2462.000	60.90	31.08	91.98	54.00	37.98	AVG	NoLimit
5		2483.500	38.93	31.16	70.09	74.00	-3.91	peak	
6		2483.500	18.92	31.16	50.08	54.00	-3.92	AVG	

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

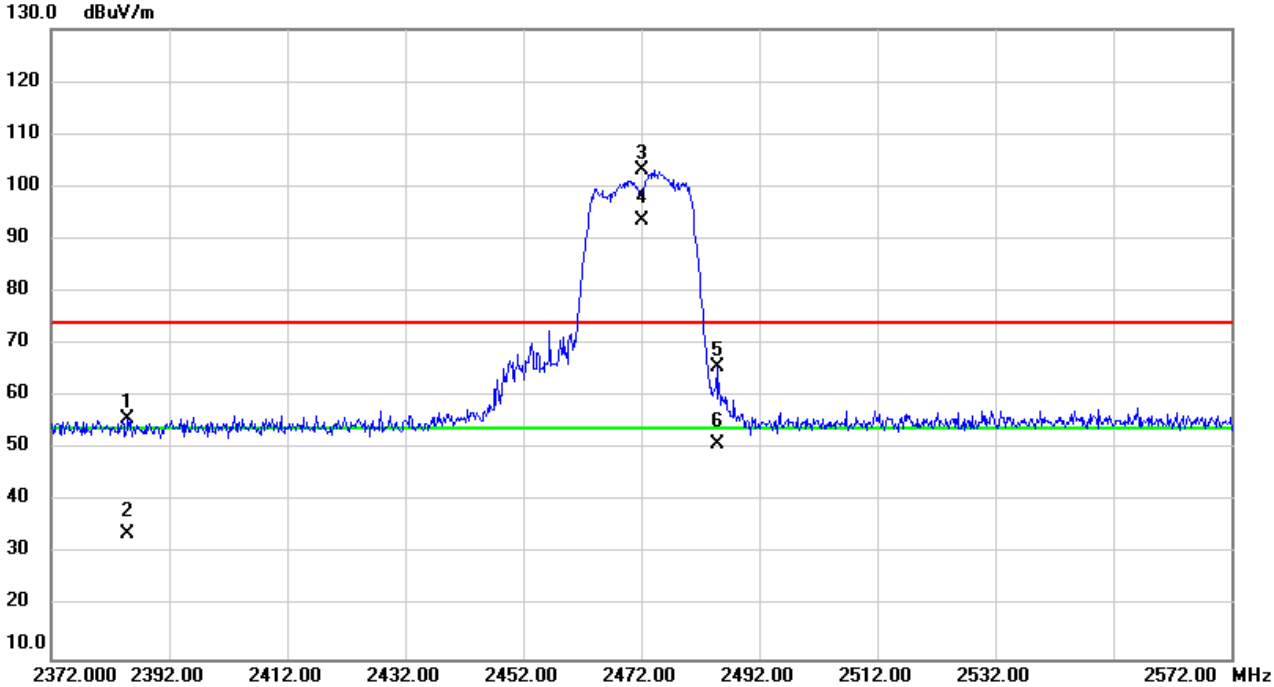
Test Mode	IEEE802.11n (HT20)	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2374.593	26.77	30.72	57.49	74.00	-16.51	peak	
2		2374.593	3.25	30.72	33.97	54.00	-20.03	AVG	
3	X	2467.000	71.17	31.10	102.27	74.00	28.27	peak	NoLimit
4	*	2467.000	61.97	31.10	93.07	54.00	39.07	AVG	NoLimit
5		2483.807	34.15	31.16	65.31	74.00	-8.69	peak	
6		2483.807	16.26	31.16	47.42	54.00	-6.58	AVG	

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

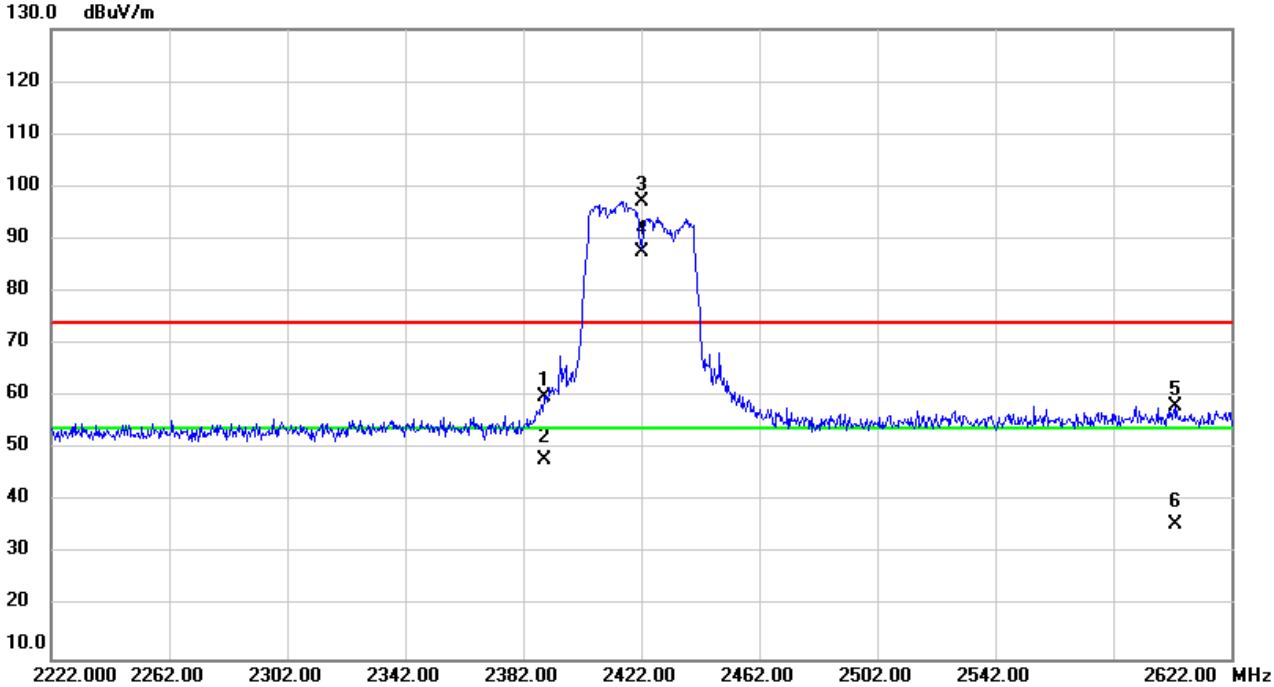
Test Mode	IEEE802.11n (HT20)	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.040	25.12	30.77	55.89	74.00	-18.11	peak	
2		2385.040	2.98	30.77	33.75	54.00	-20.25	AVG	
3	X	2472.000	71.94	31.11	103.05	74.00	29.05	peak	NoLimit
4	*	2472.000	62.52	31.11	93.63	54.00	39.63	AVG	NoLimit
5		2484.893	34.63	31.17	65.80	74.00	-8.20	peak	
6		2484.893	19.70	31.17	50.87	54.00	-3.13	AVG	

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

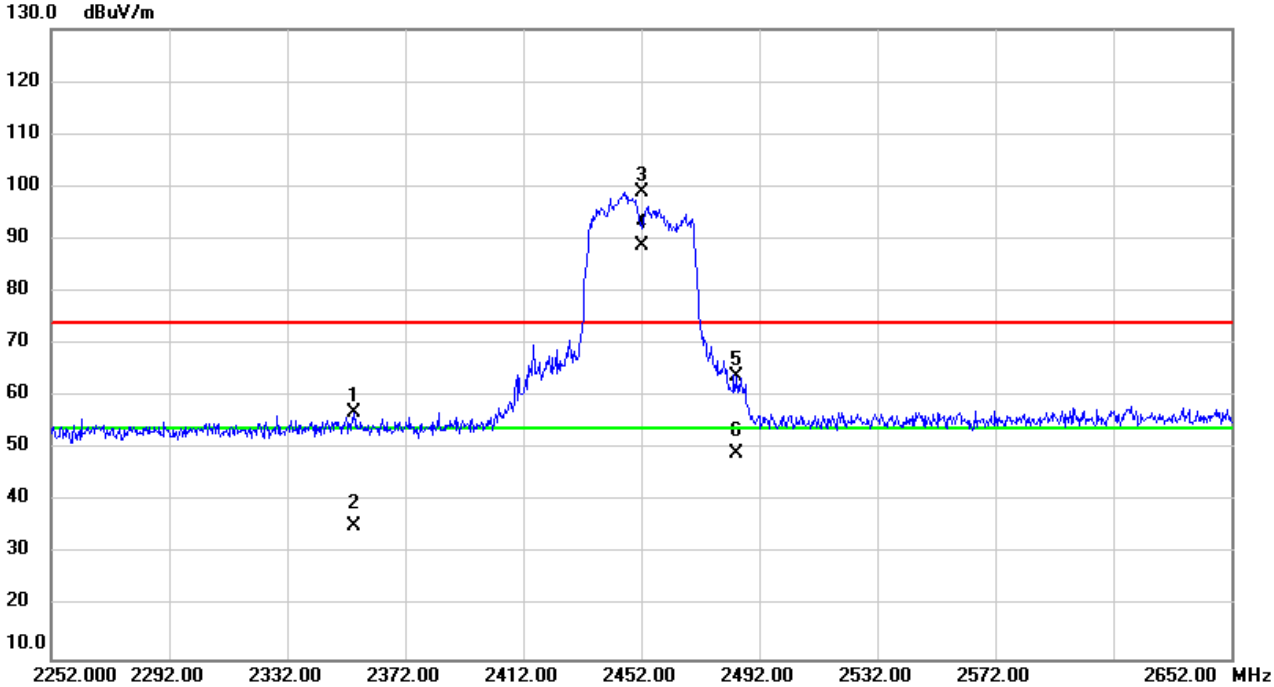
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2422MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.307	29.08	30.78	59.86	74.00	-14.14	peak	
2		2389.307	17.31	30.78	48.09	54.00	-5.91	AVG	
3	X	2422.000	66.36	30.91	97.27	74.00	23.27	peak	NoLimit
4	*	2422.000	56.65	30.91	87.56	54.00	33.56	AVG	NoLimit
5		2603.280	26.54	31.66	58.20	74.00	-15.80	peak	
6		2603.280	3.95	31.66	35.61	54.00	-18.39	AVG	

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

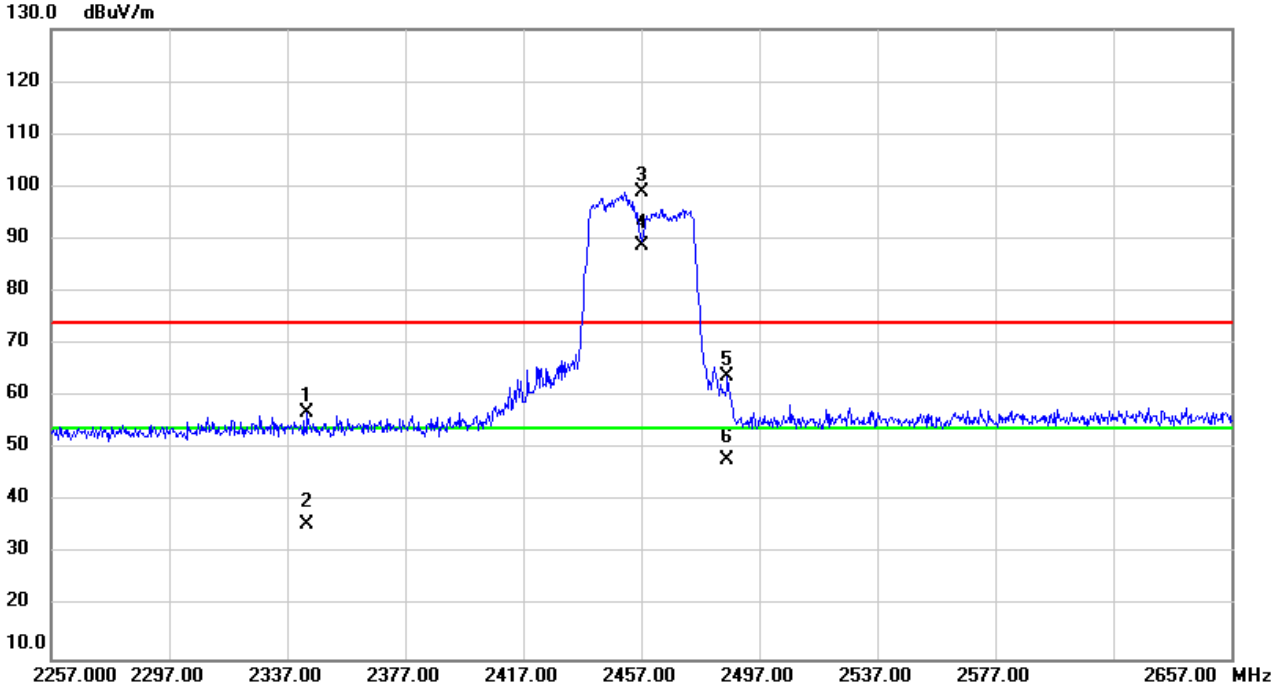
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2452MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2354.440	26.41	30.65	57.06	74.00	-16.94	peak	
2		2354.440	4.85	30.65	35.50	54.00	-18.50	AVG	
3	X	2452.000	67.98	31.04	99.02	74.00	25.02	peak	NoLimit
4	*	2452.000	57.81	31.04	88.85	54.00	34.85	AVG	NoLimit
5		2484.440	32.53	31.17	63.70	74.00	-10.30	peak	
6		2484.440	18.02	31.17	49.19	54.00	-4.81	AVG	

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

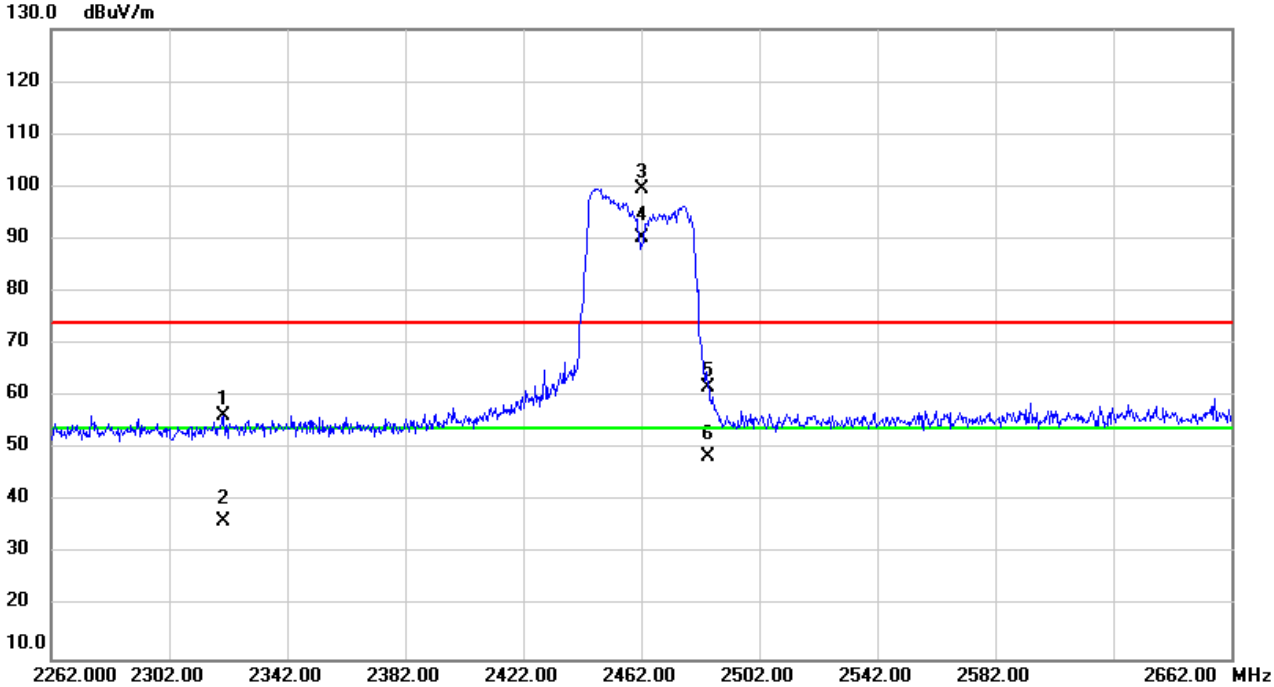
Test Mode	IEEE802.11n (HT40)	Test Date	2021/4/21
Test Frequency	2457MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2343.867	26.30	30.61	56.91	74.00	-17.09	peak	
2		2343.867	5.17	30.61	35.78	54.00	-18.22	AVG	
3	X	2457.000	68.01	31.05	99.06	74.00	25.06	peak	NoLimit
4	*	2457.000	57.61	31.05	88.66	54.00	34.66	AVG	NoLimit
5		2486.267	32.70	31.17	63.87	74.00	-10.13	peak	
6		2486.267	16.88	31.17	48.05	54.00	-5.95	AVG	

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

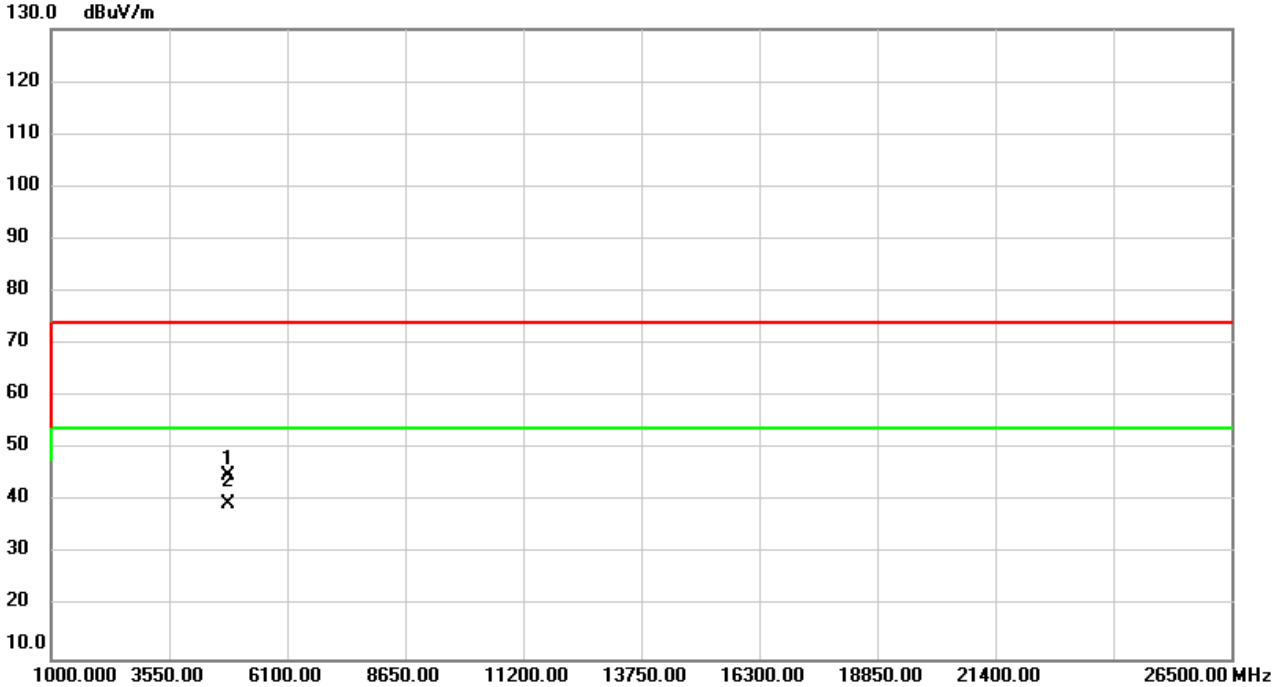
Test Mode	IEEE802.11n (HT40)	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2320.507	25.94	30.51	56.45	74.00	-17.55	peak	
2		2320.507	5.77	30.51	36.28	54.00	-17.72	AVG	
3	X	2462.000	68.54	31.08	99.62	74.00	25.62	peak	NoLimit
4	*	2462.000	59.15	31.08	90.23	54.00	36.23	AVG	NoLimit
5		2484.733	30.60	31.17	61.77	74.00	-12.23	peak	
6		2484.733	17.24	31.17	48.41	54.00	-5.59	AVG	

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

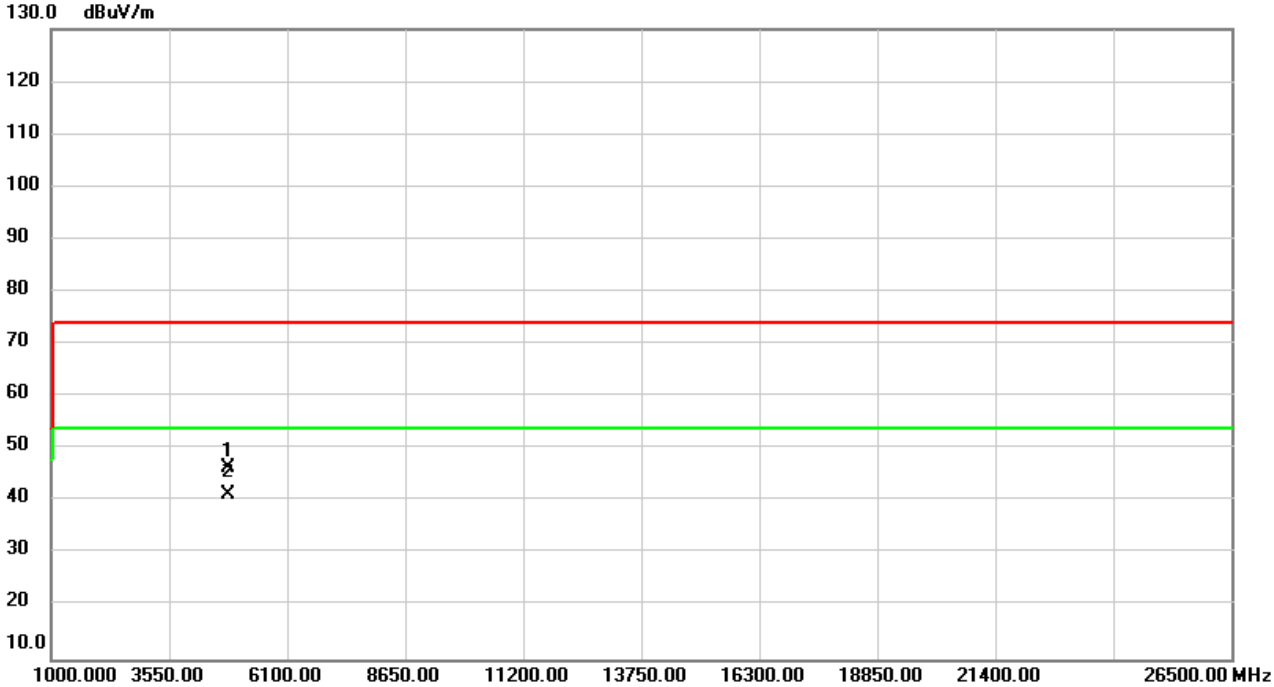
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	55.00	-9.96	45.04	74.00	-28.96	peak	
2	*	4824.000	49.50	-9.96	39.54	54.00	-14.46	AVG	

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

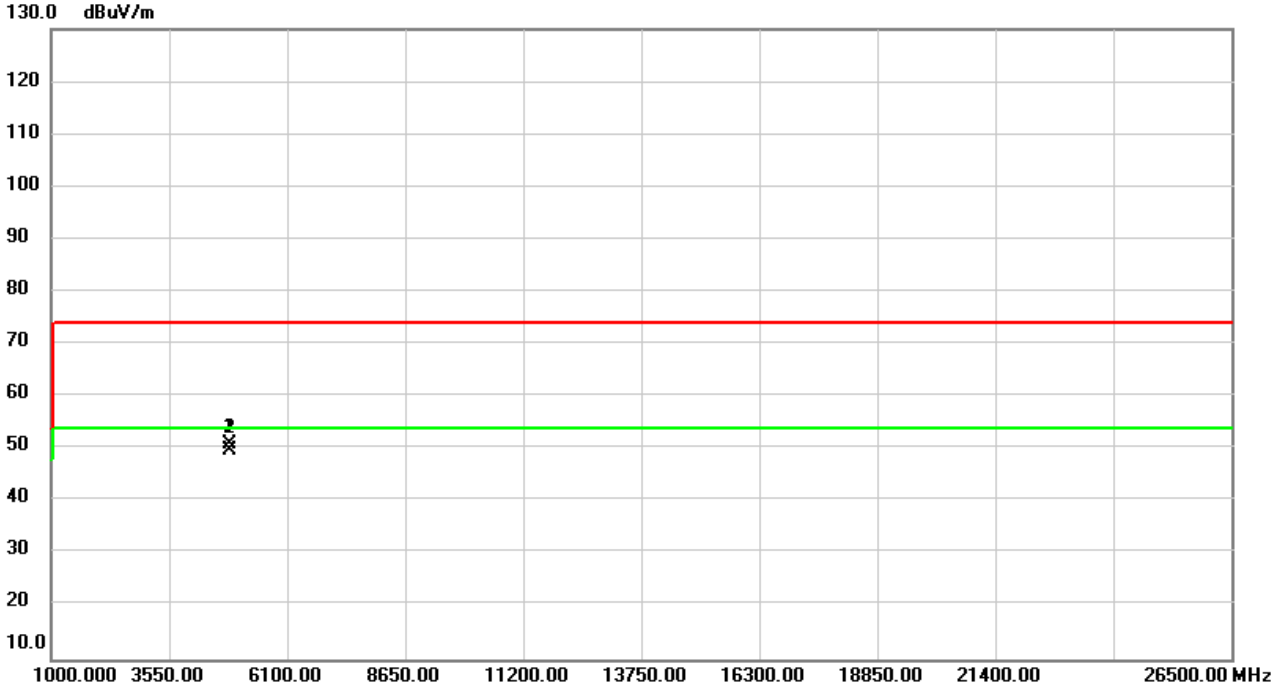
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	56.47	-9.96	46.51	74.00	-27.49	peak	
2	*	4824.000	51.39	-9.96	41.43	54.00	-12.57	AVG	

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

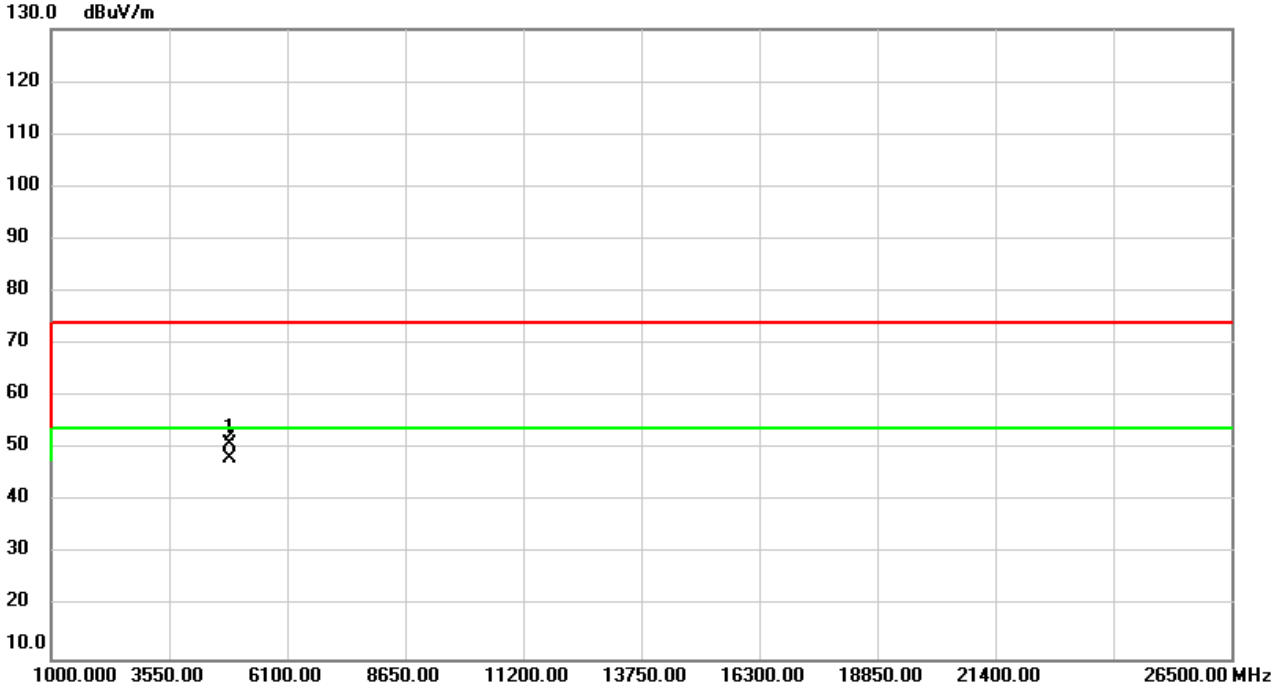
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	60.82	-9.79	51.03	74.00	-22.97	peak	
2	*	4874.000	59.42	-9.79	49.63	54.00	-4.37	AVG	

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

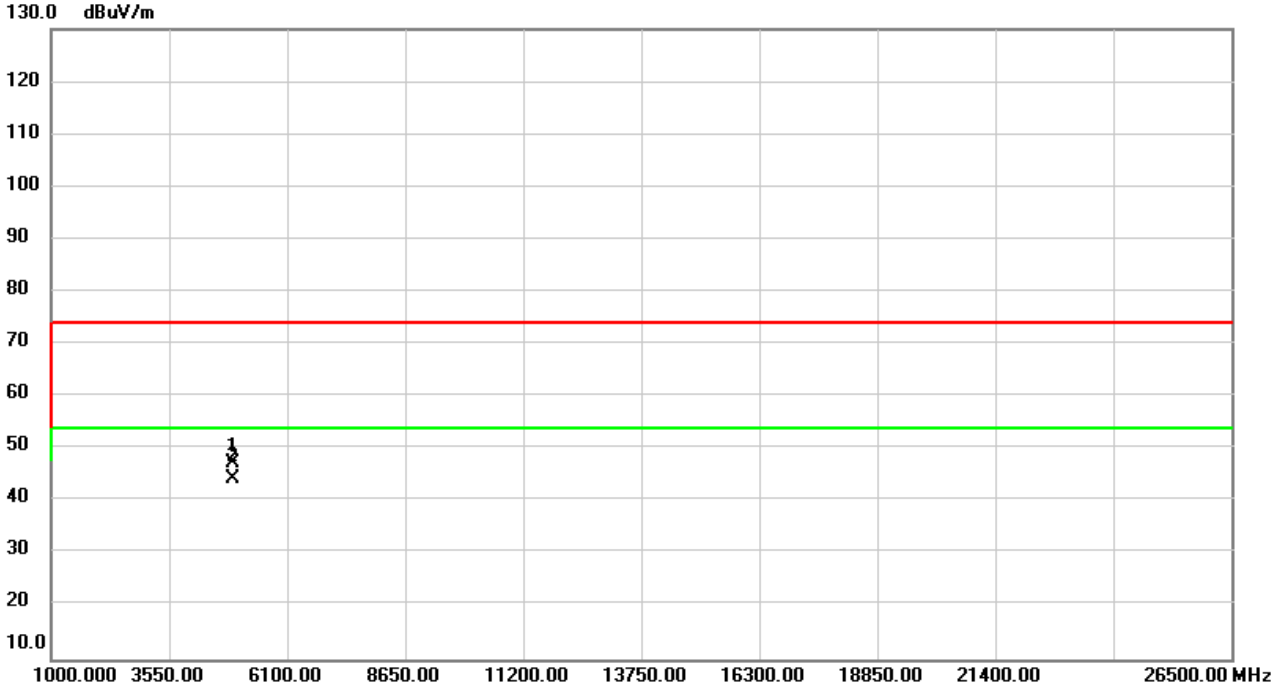
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	60.63	-9.79	50.84	74.00	-23.16	peak	
2	*	4874.000	58.16	-9.79	48.37	54.00	-5.63	AVG	

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

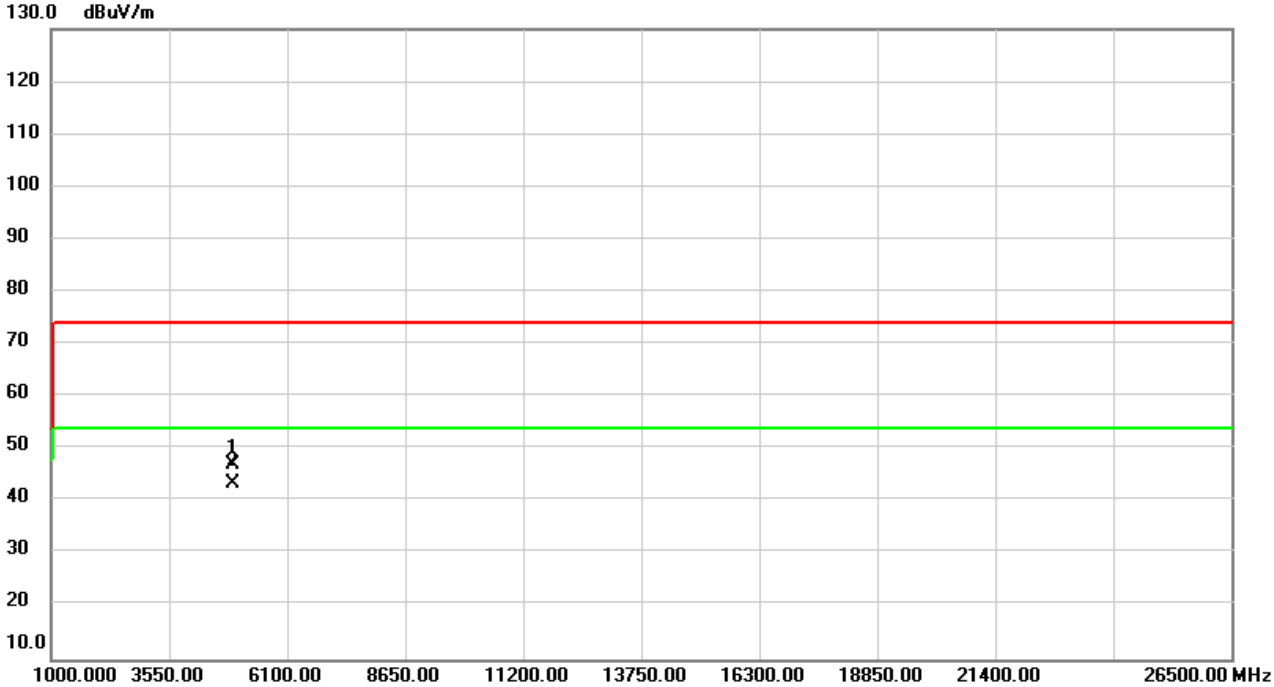
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	56.91	-9.62	47.29	74.00	-26.71	peak	
2	*	4924.000	53.93	-9.62	44.31	54.00	-9.69	AVG	

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

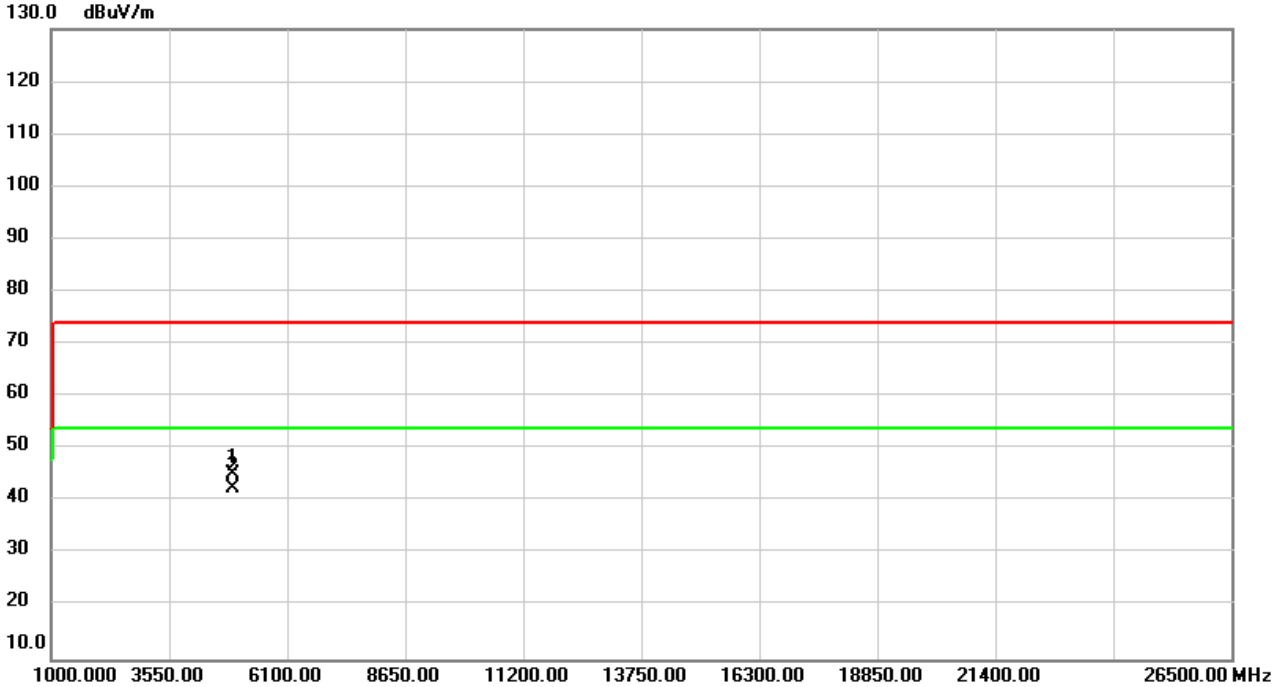
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	56.62	-9.62	47.00	74.00	-27.00	peak	
2	*	4924.000	53.12	-9.62	43.50	54.00	-10.50	AVG	

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

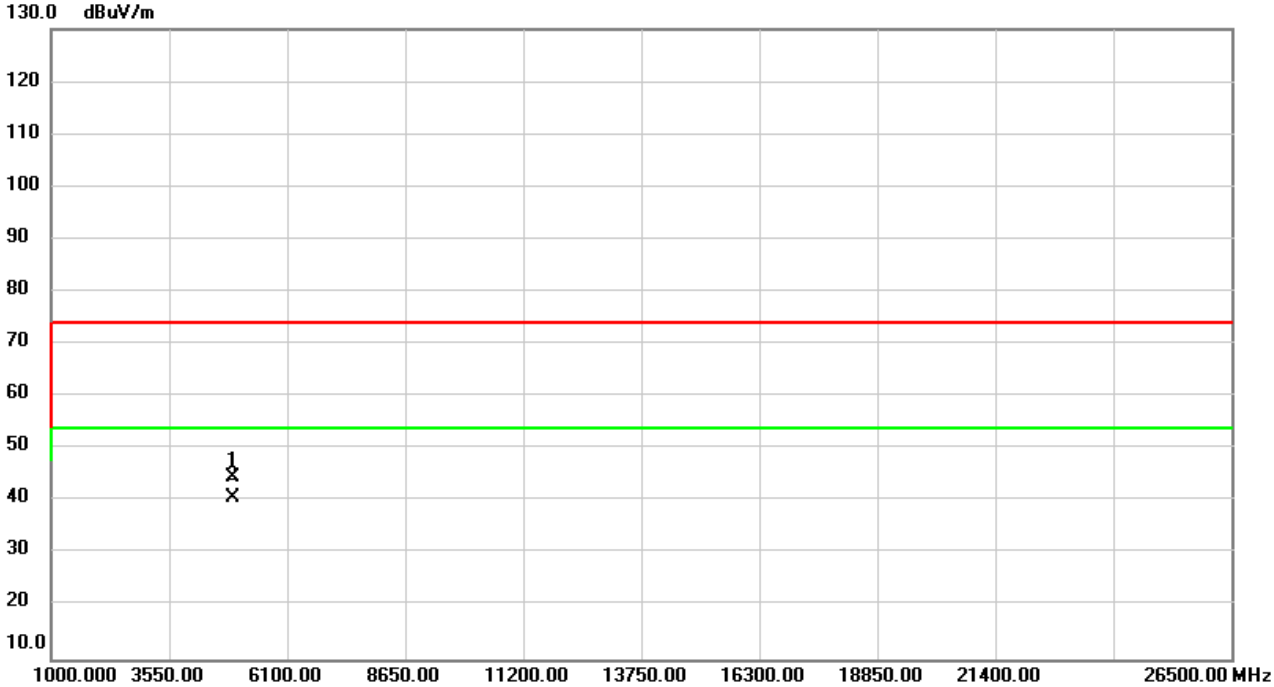
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.92	-9.59	45.33	74.00	-28.67	peak	
2	*	4934.000	52.14	-9.59	42.55	54.00	-11.45	AVG	

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

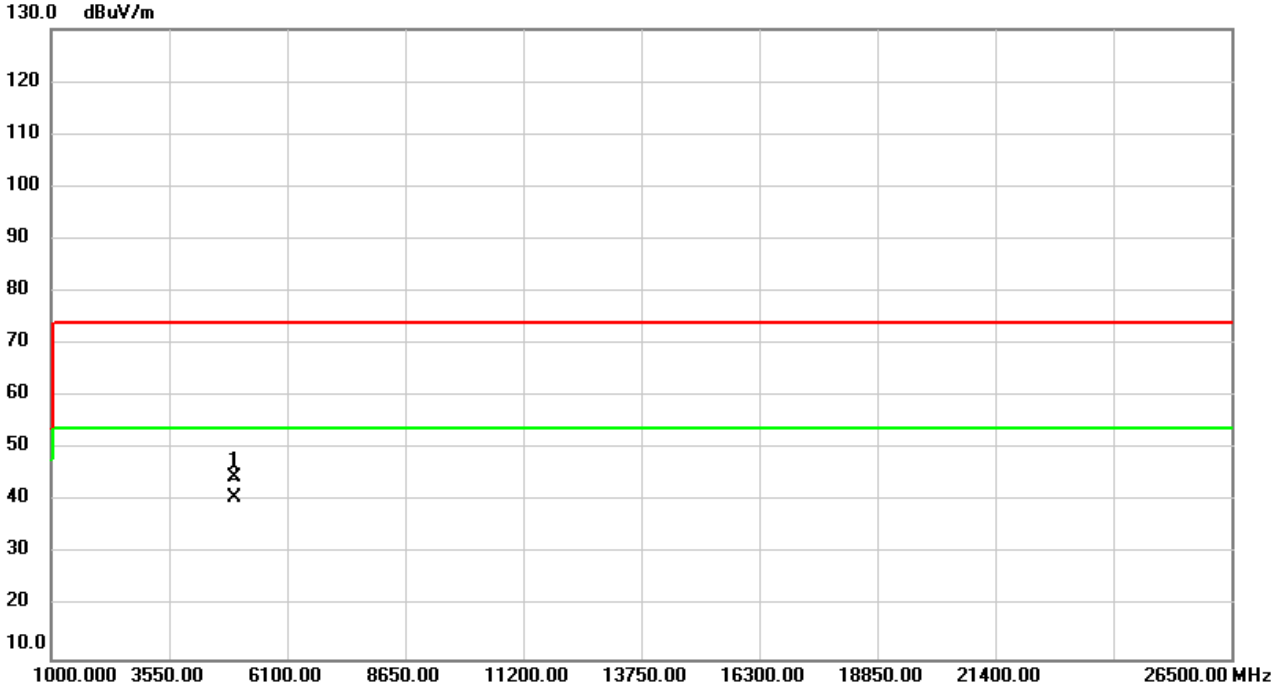
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.13	-9.59	44.54	74.00	-29.46	peak	
2	*	4934.000	50.49	-9.59	40.90	54.00	-13.10	AVG	

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

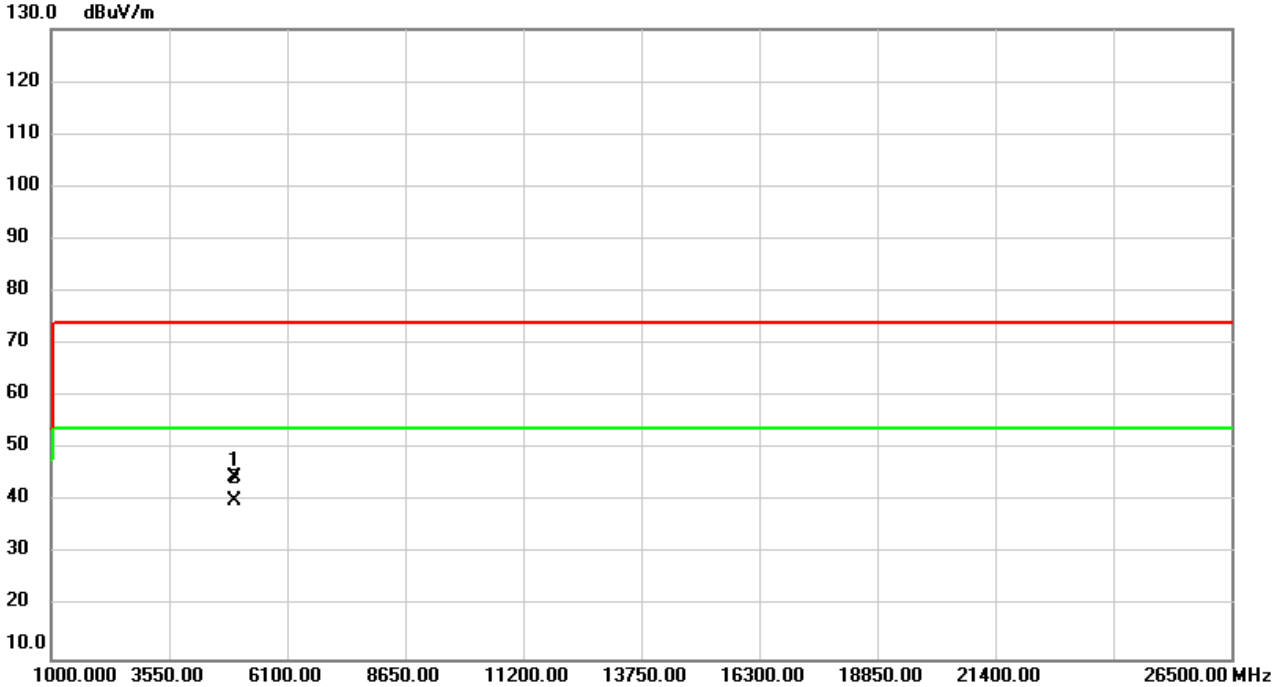
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.25	-9.55	44.70	74.00	-29.30	peak	
2	*	4944.000	50.36	-9.55	40.81	54.00	-13.19	AVG	

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

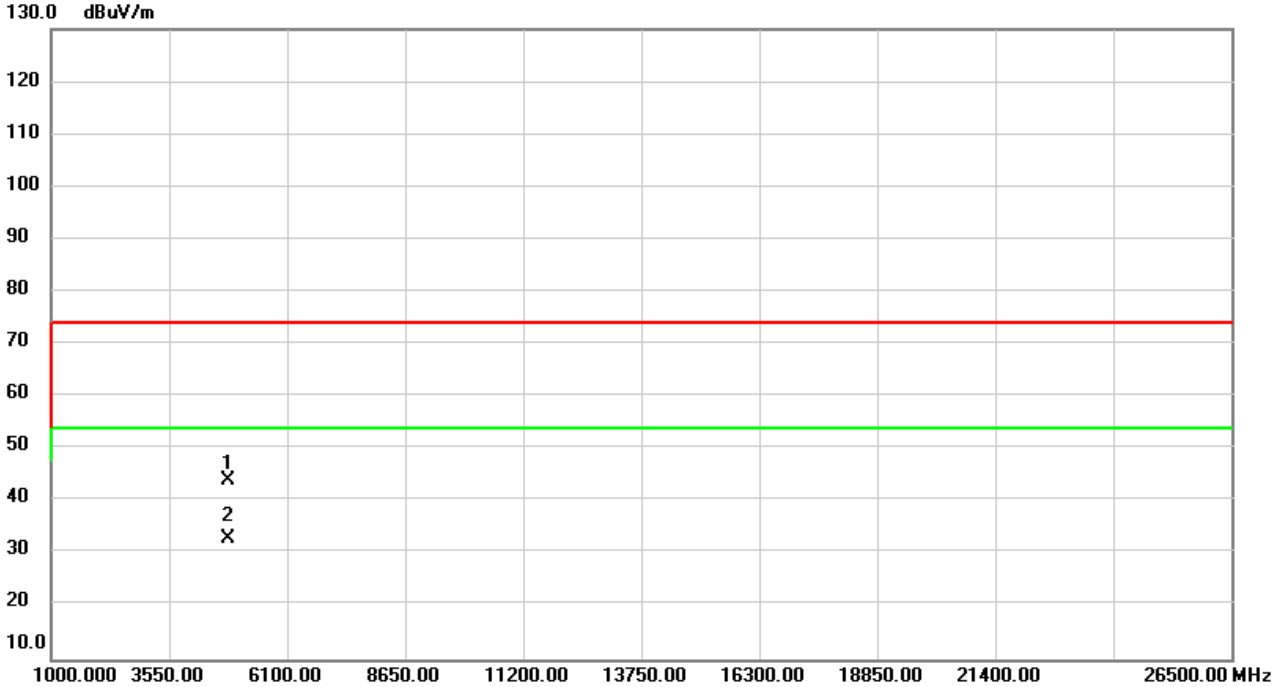
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.28	-9.55	44.73	74.00	-29.27	peak	
2	*	4944.000	49.85	-9.55	40.30	54.00	-13.70	AVG	

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

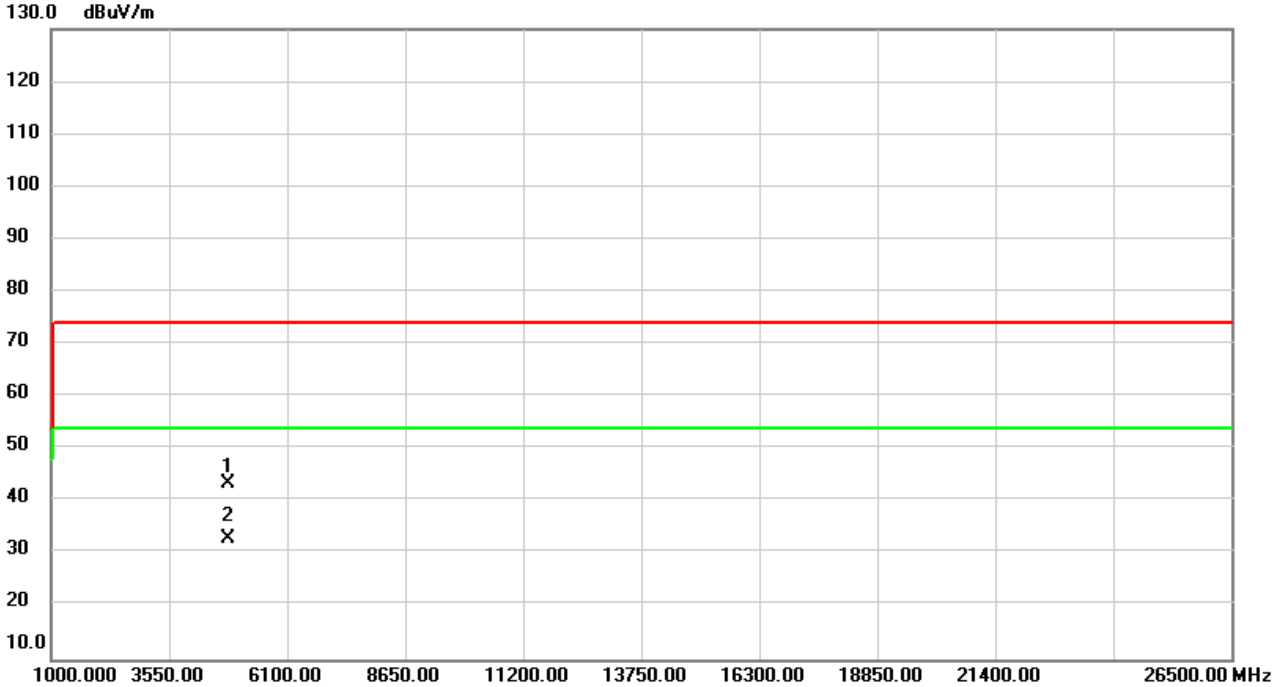
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.04	-9.96	44.08	74.00	-29.92	peak	
2	*	4824.000	42.91	-9.96	32.95	54.00	-21.05	AVG	

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

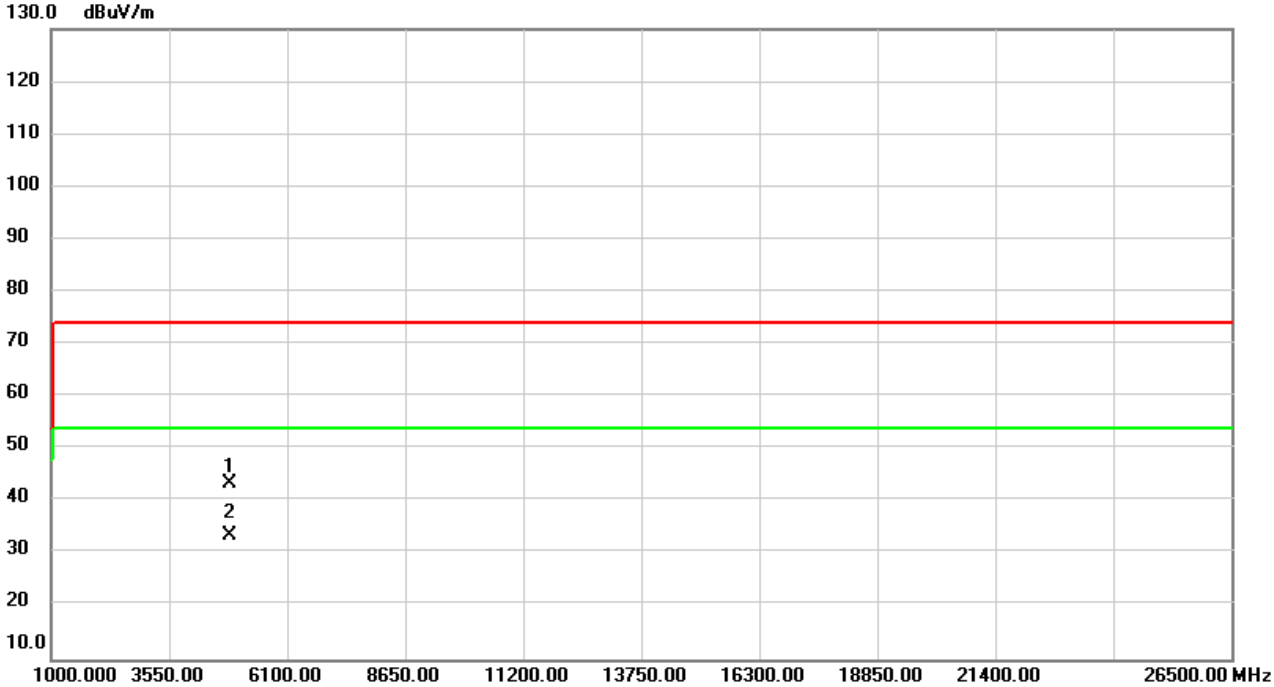
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.54	-9.96	43.58	74.00	-30.42	peak	
2	*	4824.000	42.77	-9.96	32.81	54.00	-21.19	AVG	

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

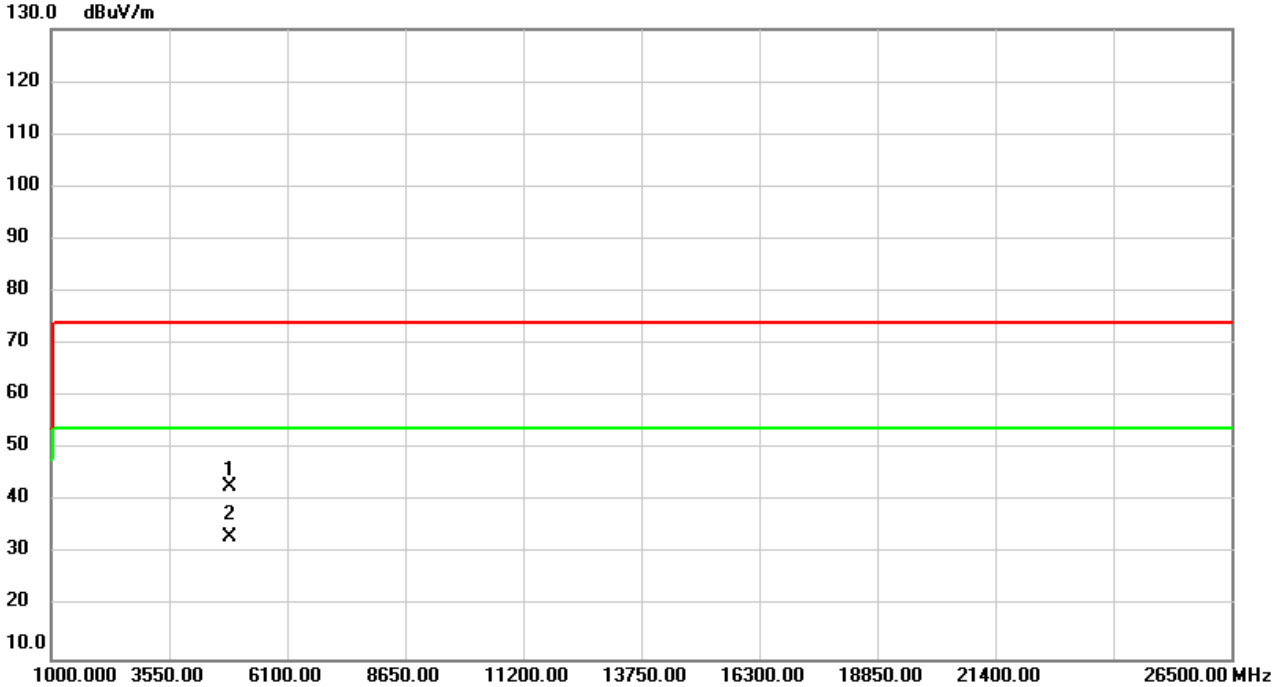
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.36	-9.79	43.57	74.00	-30.43	peak	
2	*	4874.000	43.32	-9.79	33.53	54.00	-20.47	AVG	

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

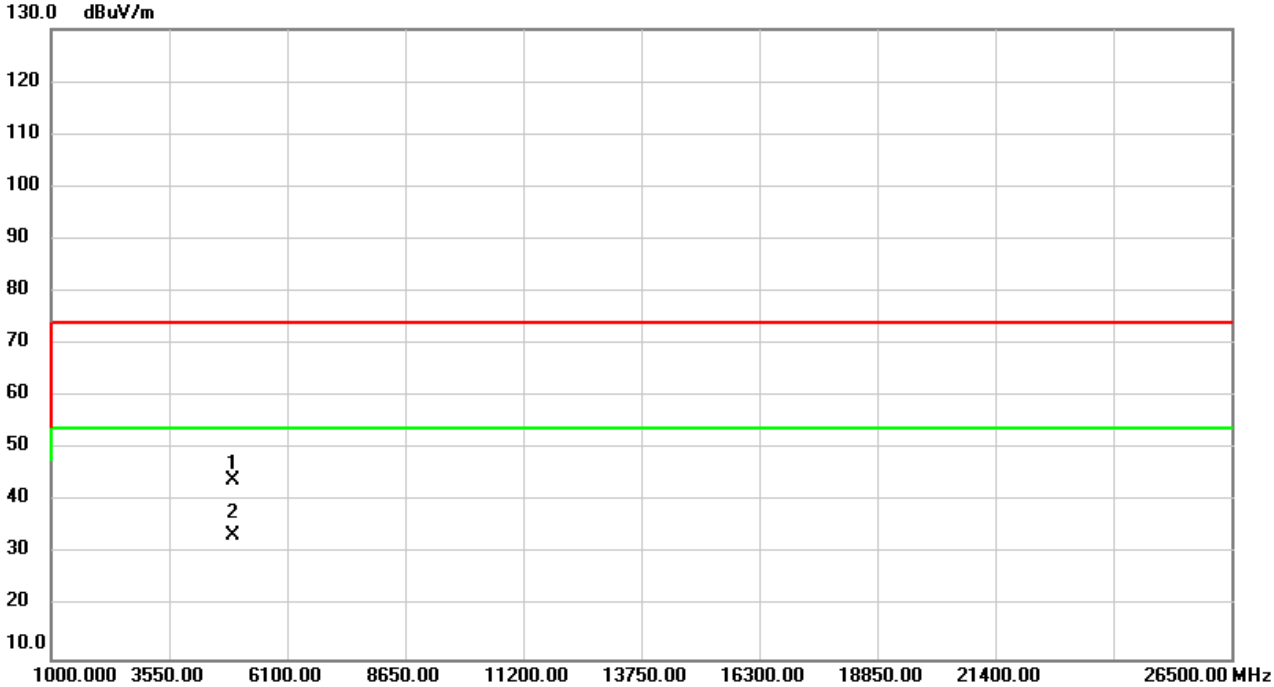
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	52.69	-9.79	42.90	74.00	-31.10	peak	
2	*	4874.000	43.15	-9.79	33.36	54.00	-20.64	AVG	

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

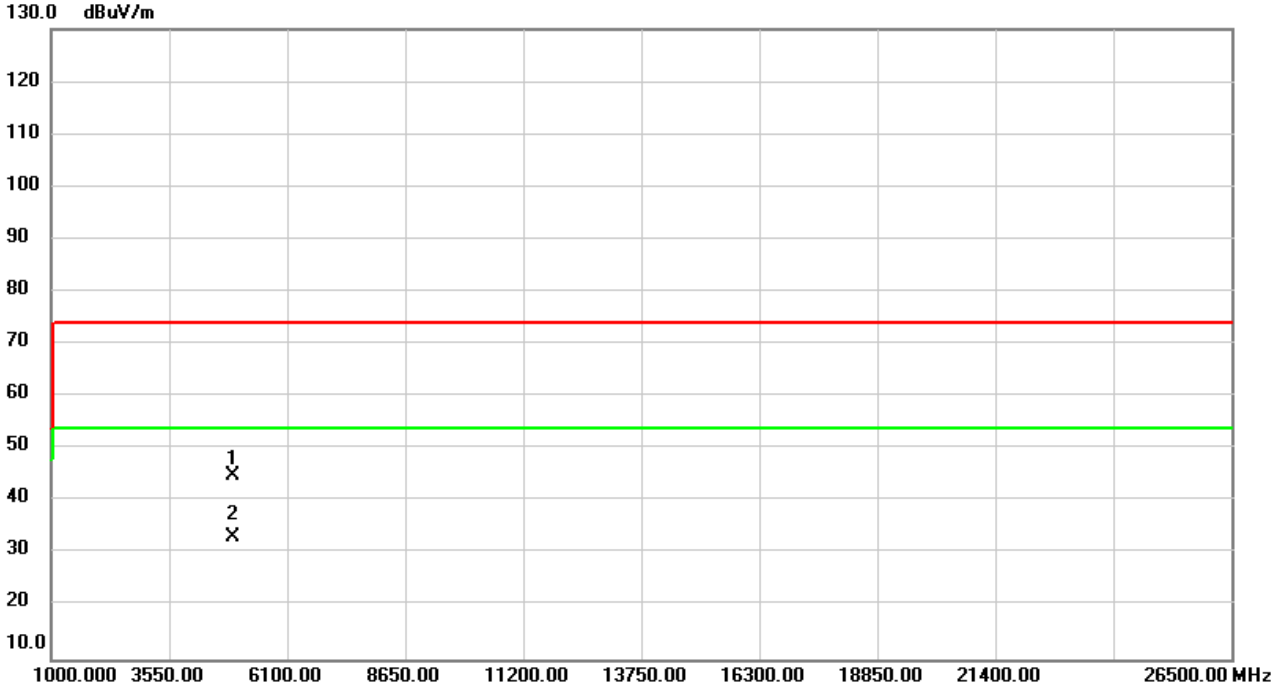
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.53	-9.62	43.91	74.00	-30.09	peak	
2	*	4924.000	43.07	-9.62	33.45	54.00	-20.55	AVG	

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

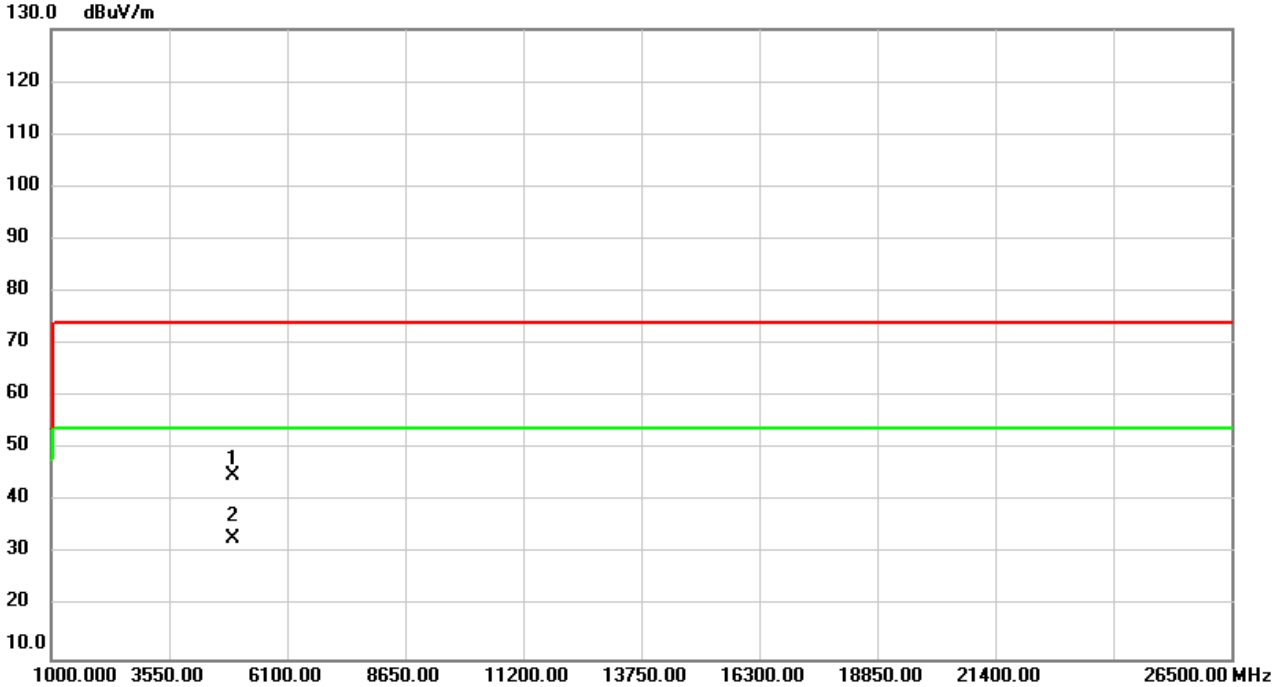
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.63	-9.62	45.01	74.00	-28.99	peak	
2	*	4924.000	42.76	-9.62	33.14	54.00	-20.86	AVG	

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

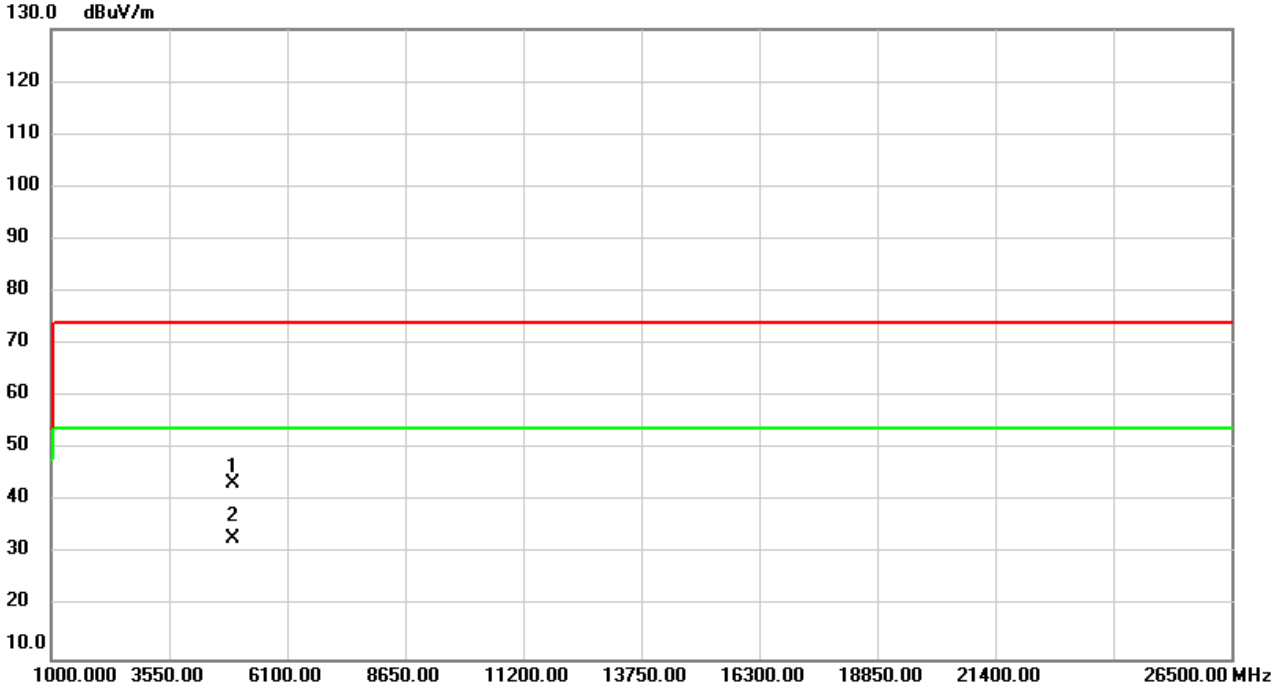
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.48	-9.59	44.89	74.00	-29.11	peak	
2	*	4934.000	42.56	-9.59	32.97	54.00	-21.03	AVG	

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

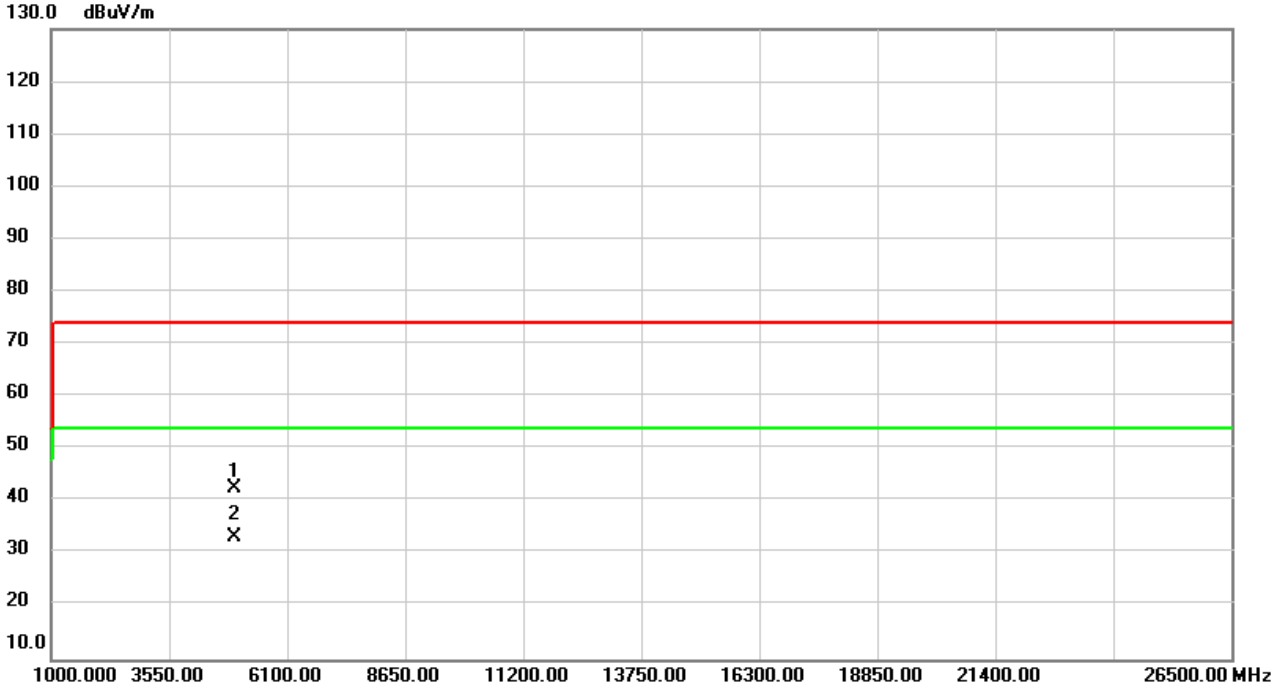
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	53.11	-9.59	43.52	74.00	-30.48	peak	
2	*	4934.000	42.46	-9.59	32.87	54.00	-21.13	AVG	

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

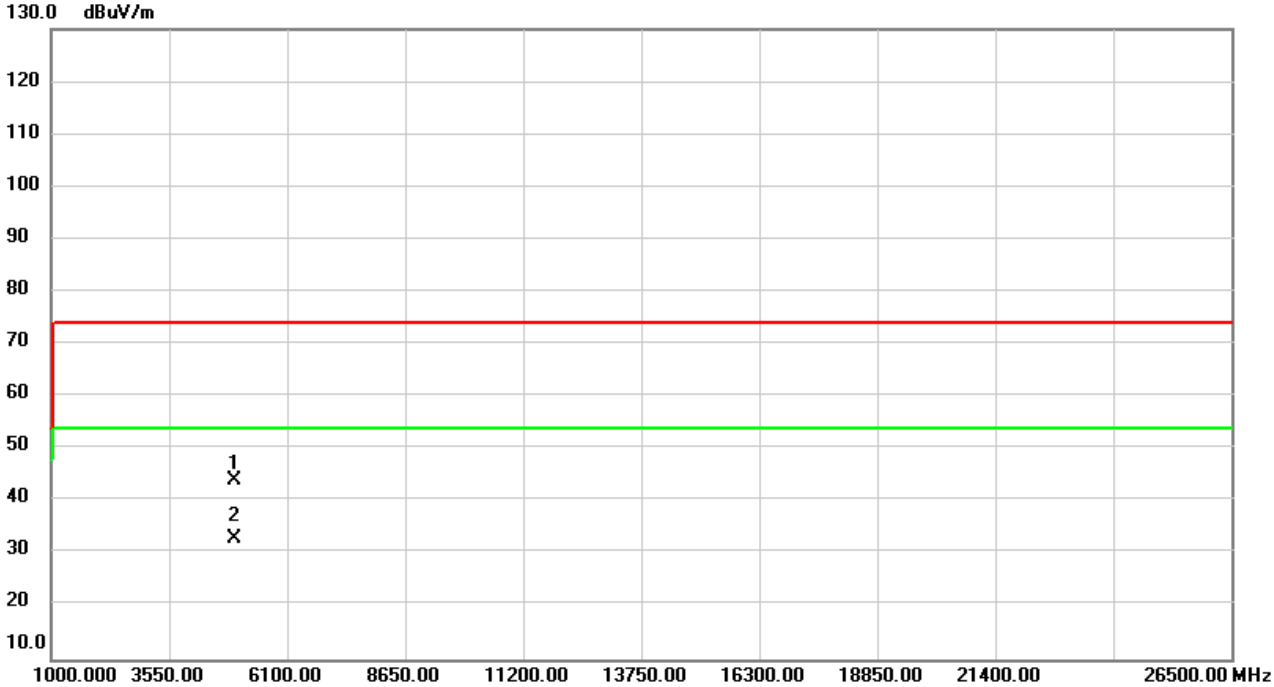
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	52.23	-9.55	42.68	74.00	-31.32	peak	
2	*	4944.000	42.73	-9.55	33.18	54.00	-20.82	AVG	

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

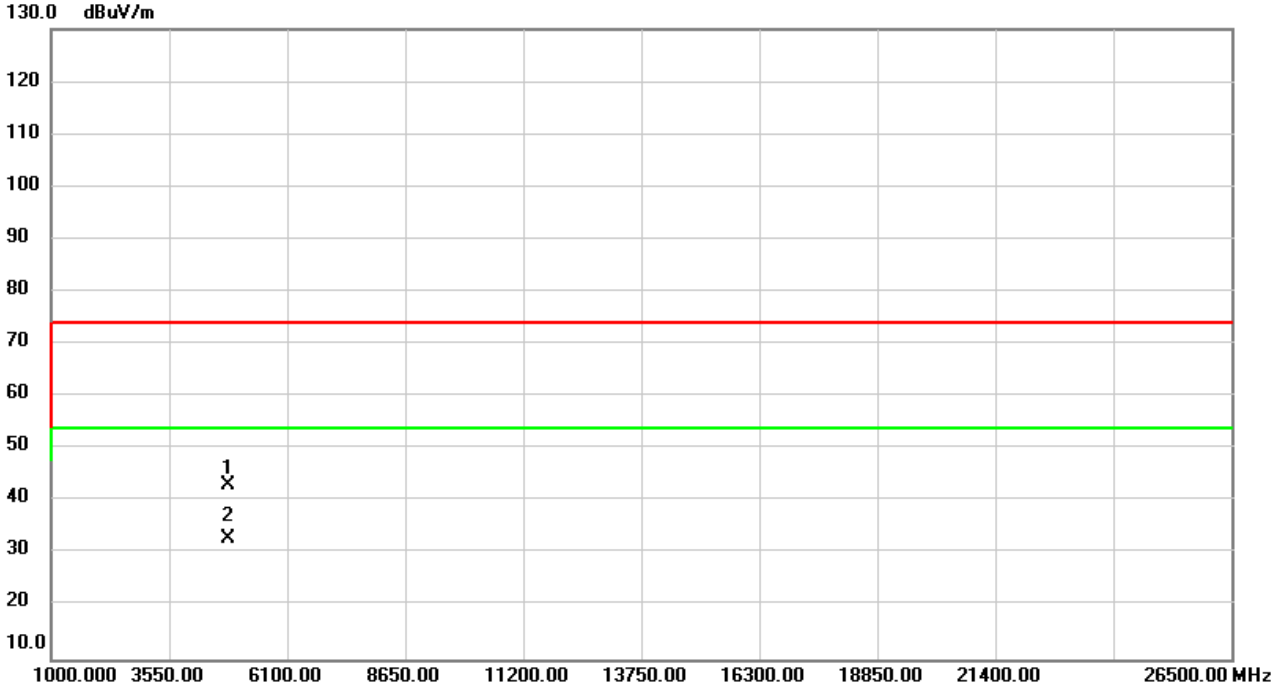
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.66	-9.55	44.11	74.00	-29.89	peak	
2	*	4944.000	42.52	-9.55	32.97	54.00	-21.03	AVG	

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

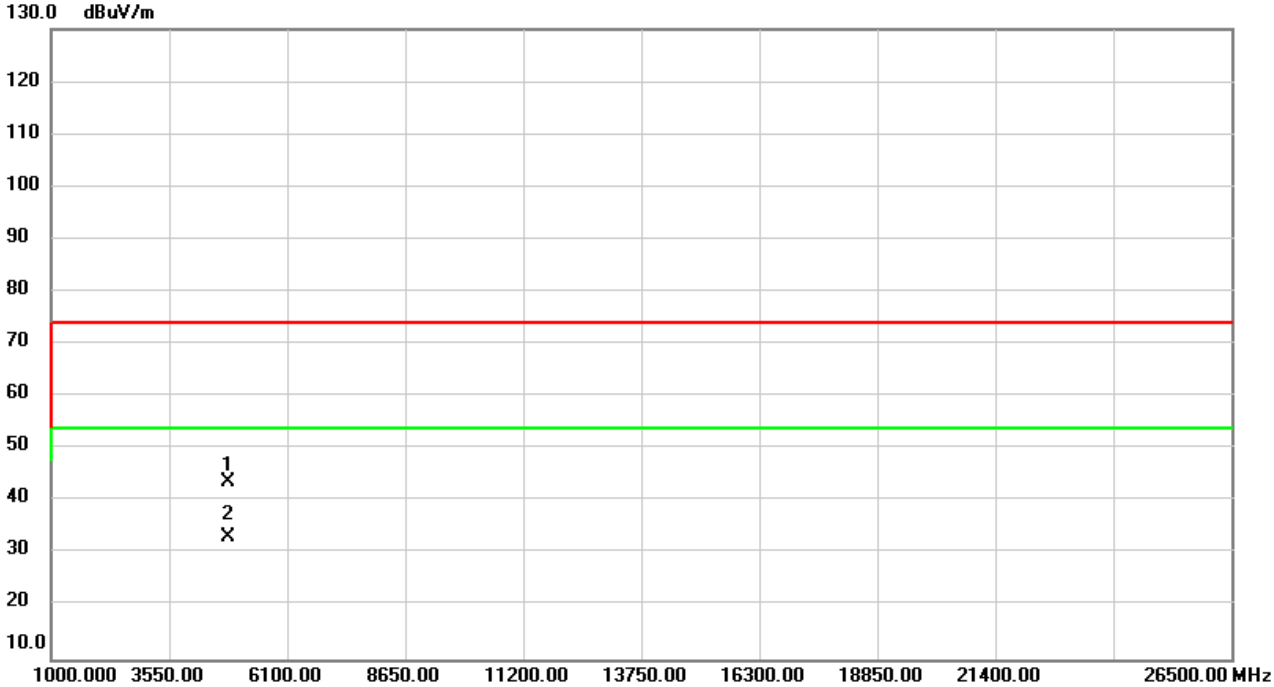
Test Mode	IEEE802.11n (HT20)	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.26	-9.96	43.30	74.00	-30.70	peak	
2	*	4824.000	42.88	-9.96	32.92	54.00	-21.08	AVG	

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

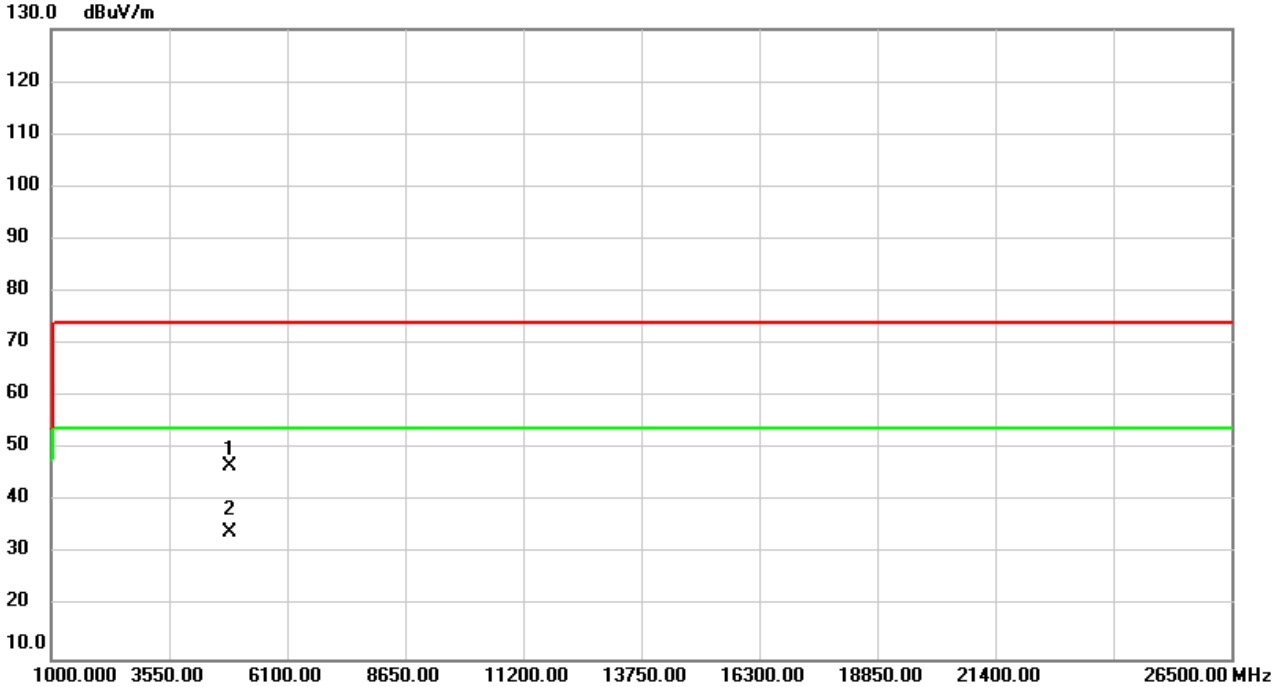
Test Mode	IEEE802.11n (HT20)	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.75	-9.96	43.79	74.00	-30.21	peak	
2	*	4824.000	43.18	-9.96	33.22	54.00	-20.78	AVG	

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

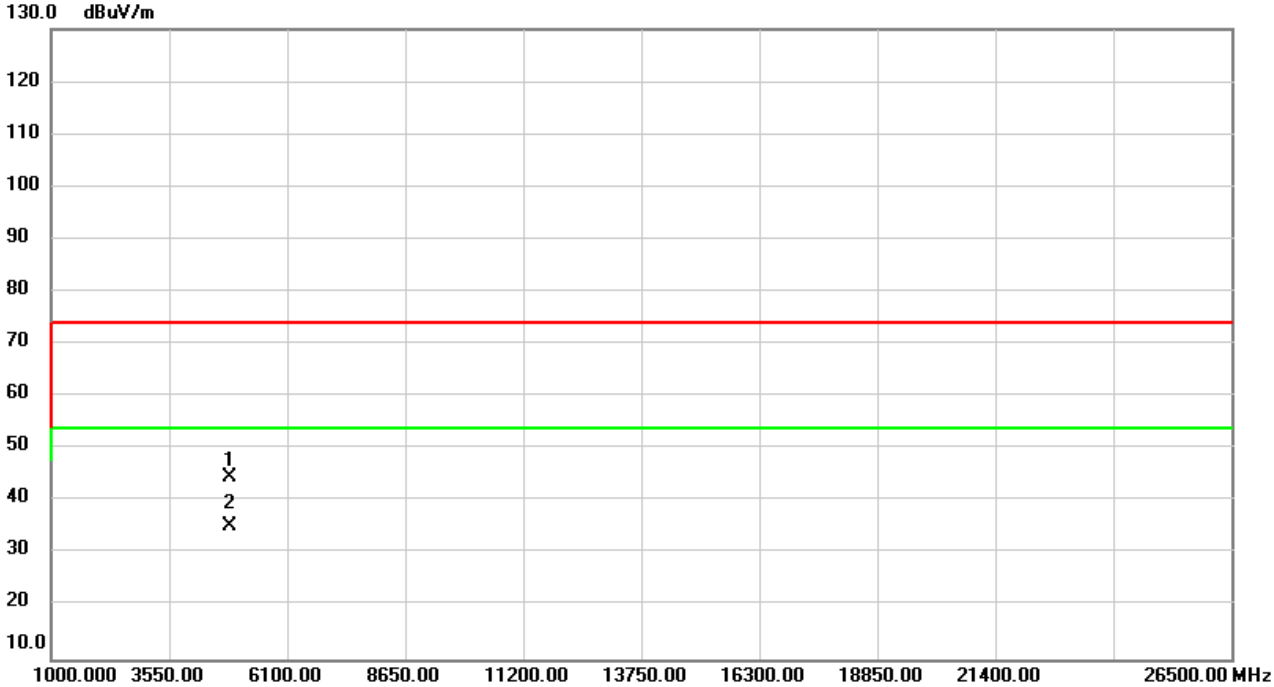
Test Mode	IEEE802.11n (HT20)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	56.39	-9.79	46.60	74.00	-27.40	peak	
2	*	4874.000	43.82	-9.79	34.03	54.00	-19.97	AVG	

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

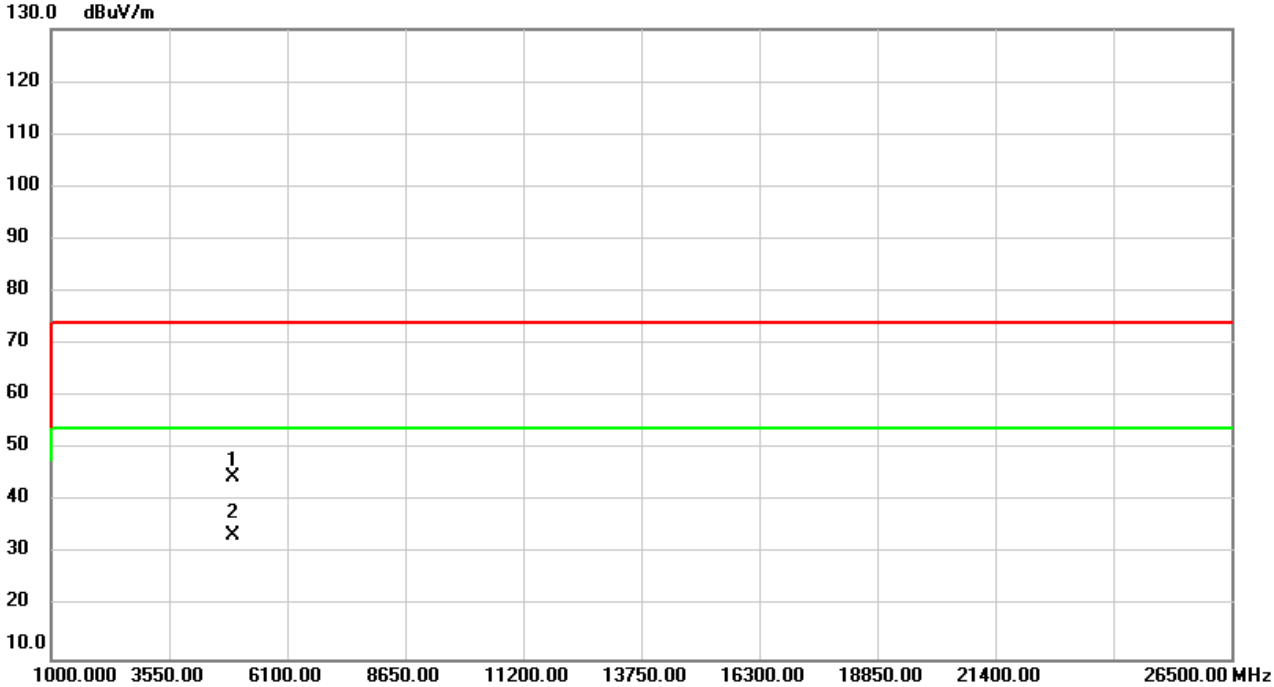
Test Mode	IEEE802.11n (HT20)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.35	-9.79	44.56	74.00	-29.44	peak	
2	*	4874.000	45.16	-9.79	35.37	54.00	-18.63	AVG	

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

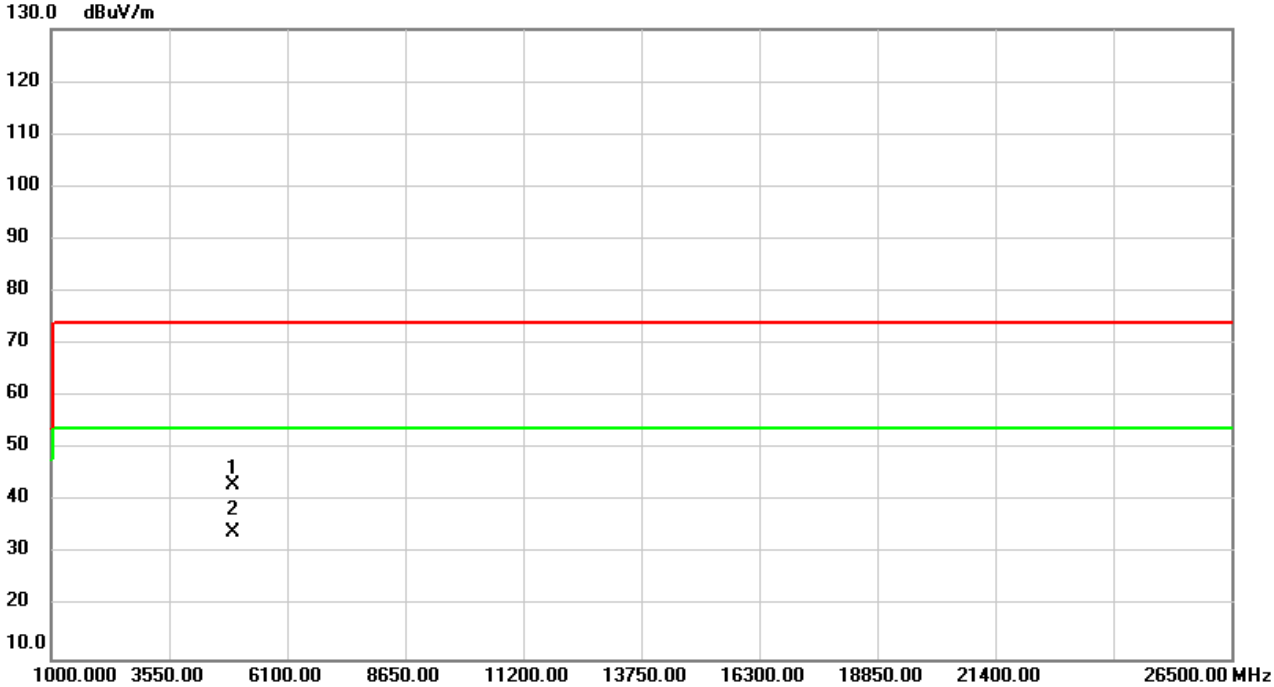
Test Mode	IEEE802.11n (HT20)	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.35	-9.62	44.73	74.00	-29.27	peak	
2	*	4924.000	43.05	-9.62	33.43	54.00	-20.57	AVG	

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

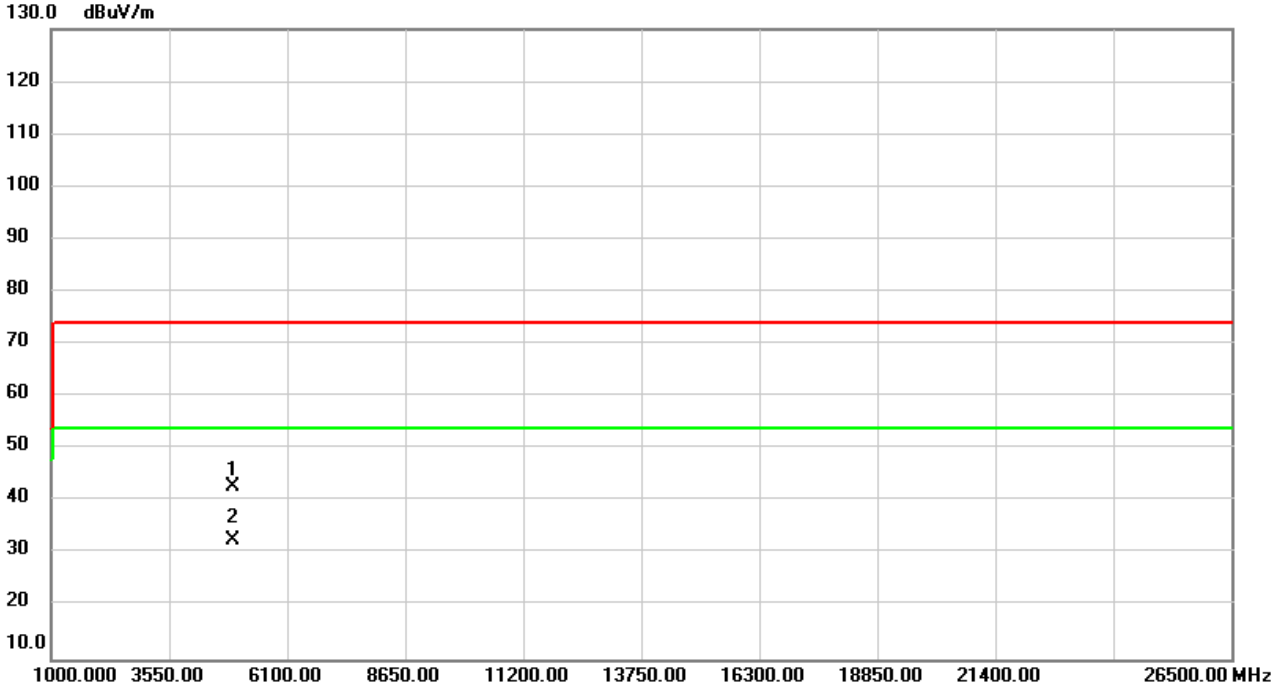
Test Mode	IEEE802.11n (HT20)	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	52.73	-9.62	43.11	74.00	-30.89	peak	
2	*	4924.000	43.87	-9.62	34.25	54.00	-19.75	AVG	

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

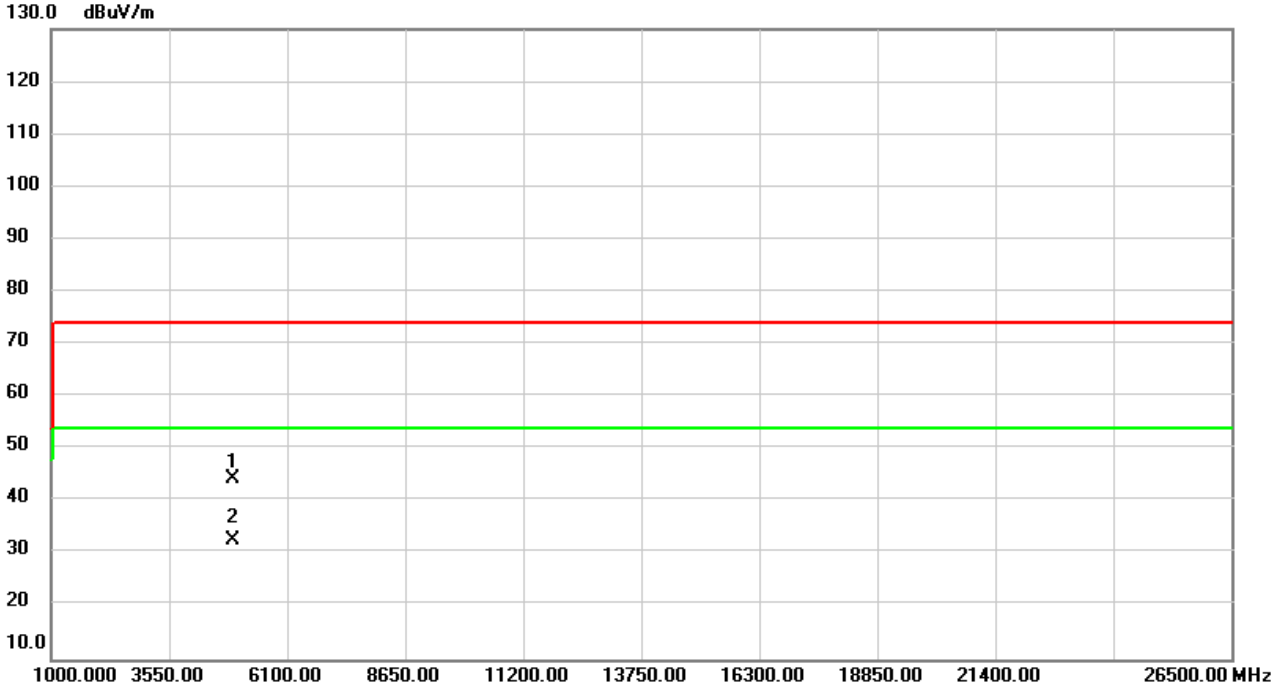
Test Mode	IEEE802.11n (HT20)	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	52.58	-9.59	42.99	74.00	-31.01	peak	
2	*	4934.000	42.37	-9.59	32.78	54.00	-21.22	AVG	

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

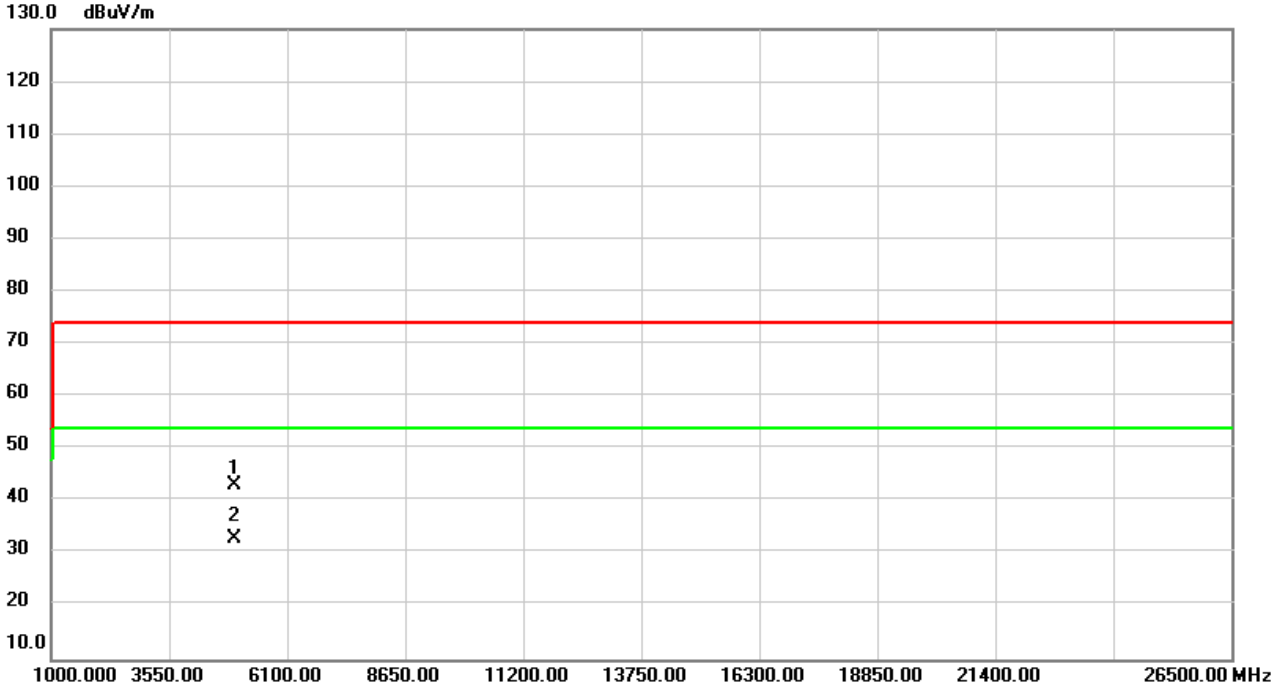
Test Mode	IEEE802.11n (HT20)	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.02	-9.59	44.43	74.00	-29.57	peak	
2	*	4934.000	42.27	-9.59	32.68	54.00	-21.32	AVG	

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

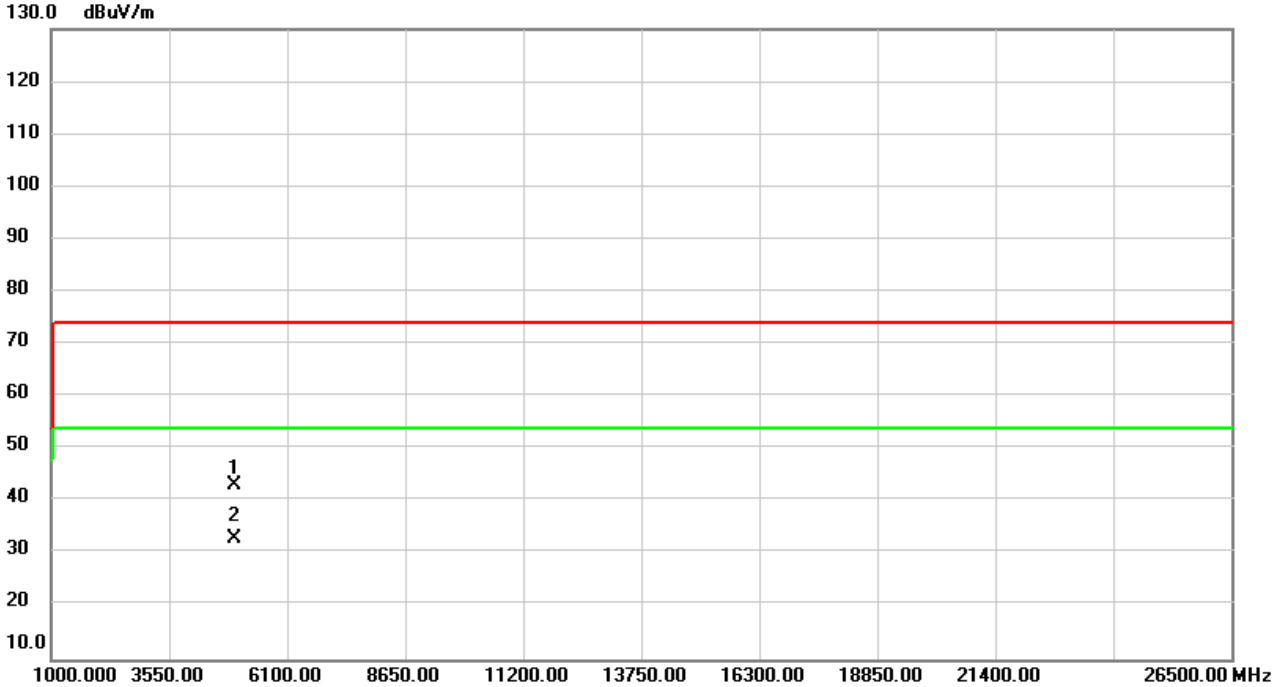
Test Mode	IEEE802.11n (HT20)	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	52.83	-9.55	43.28	74.00	-30.72	peak	
2	*	4944.000	42.38	-9.55	32.83	54.00	-21.17	AVG	

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

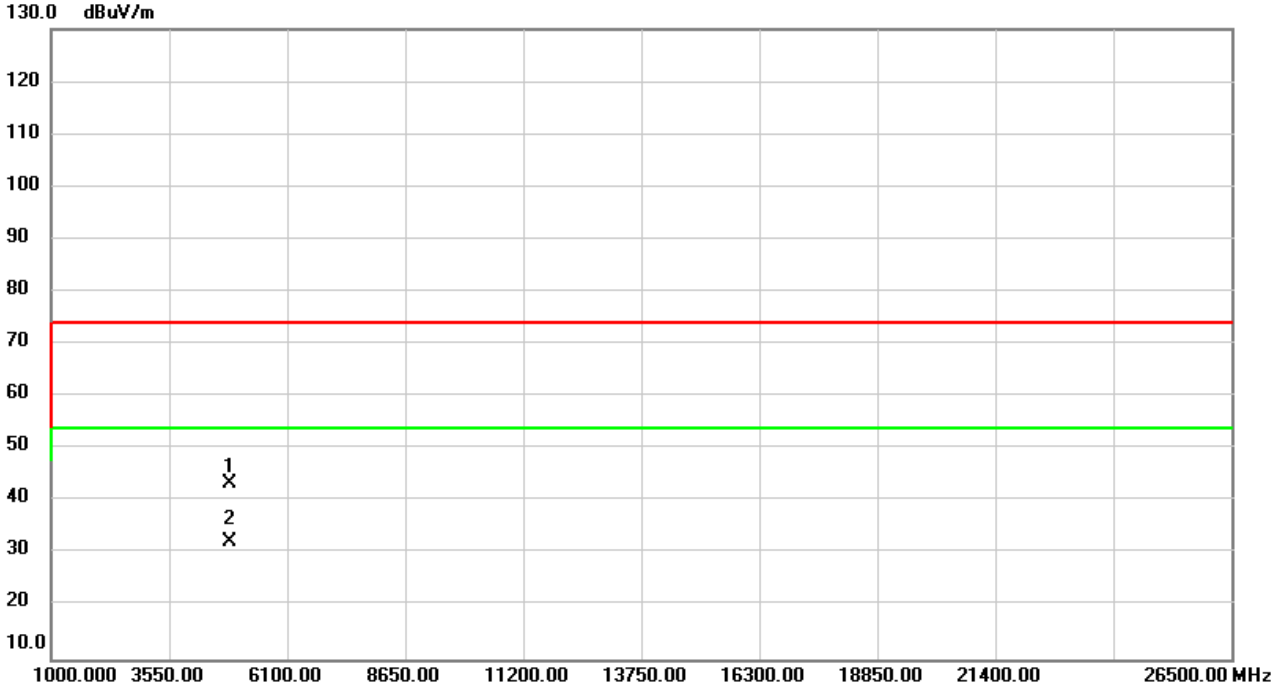
Test Mode	IEEE802.11n (HT20)	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	52.67	-9.55	43.12	74.00	-30.88	peak	
2	*	4944.000	42.39	-9.55	32.84	54.00	-21.16	AVG	

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

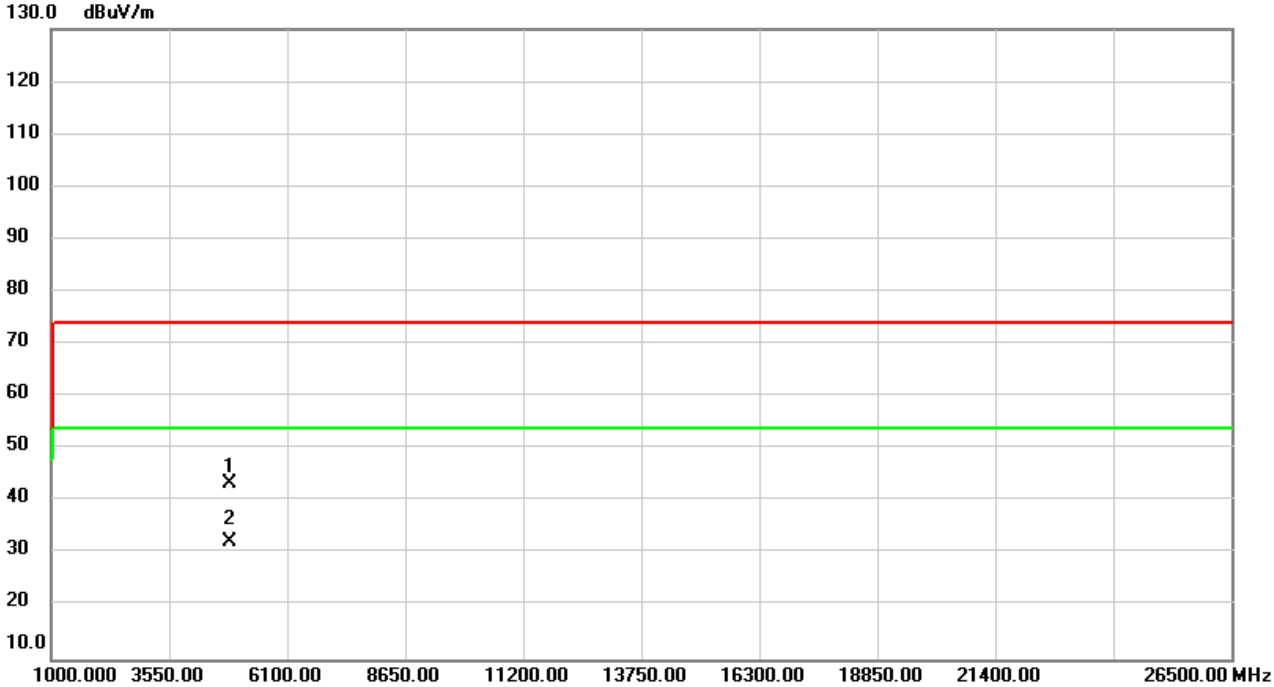
Test Mode	IEEE802.11n (HT40)	Test Date	2021/5/3
Test Frequency	2422MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	53.30	-9.89	43.41	74.00	-30.59	peak	
2	*	4844.000	42.26	-9.89	32.37	54.00	-21.63	AVG	

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

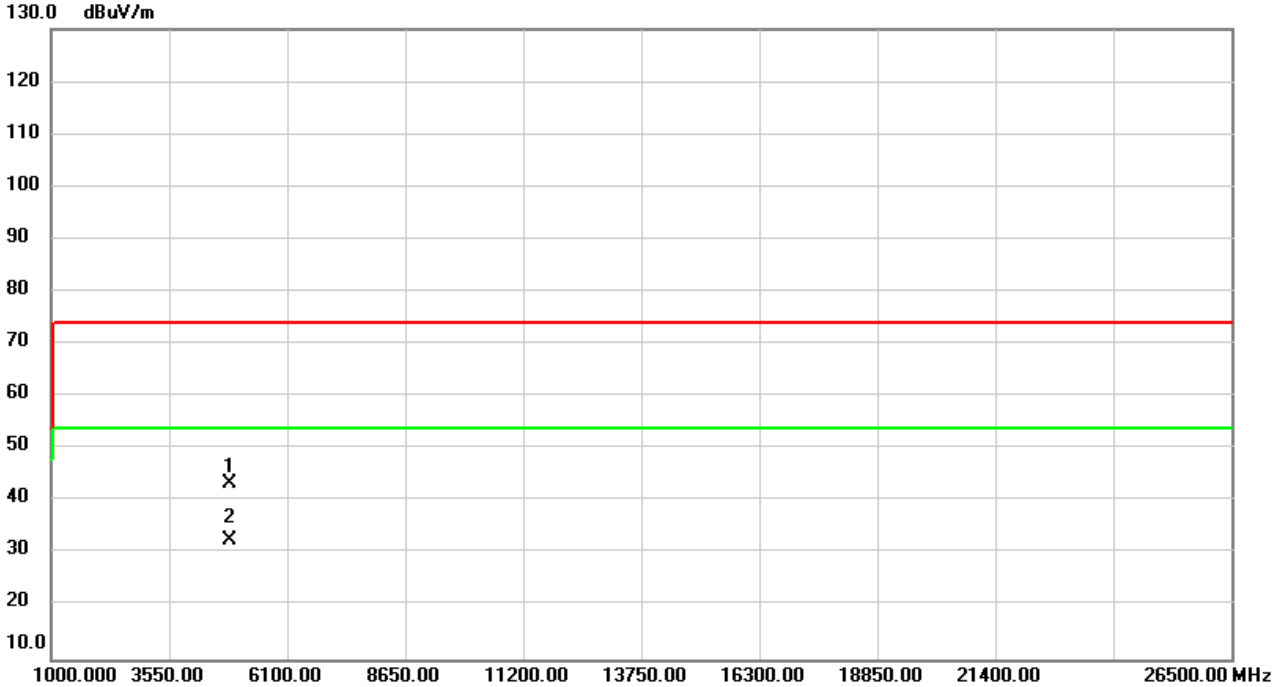
Test Mode	IEEE802.11n (HT40)	Test Date	2021/5/3
Test Frequency	2422MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	53.26	-9.89	43.37	74.00	-30.63	peak	
2	*	4844.000	42.15	-9.89	32.26	54.00	-21.74	AVG	

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

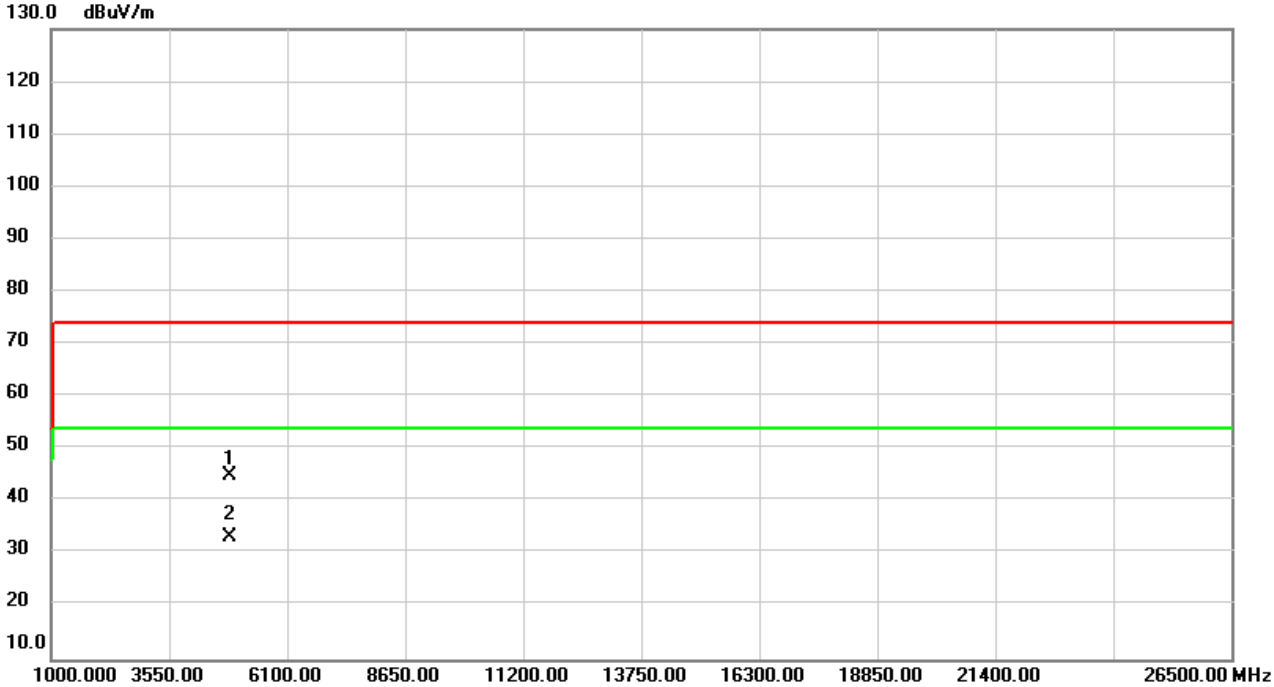
Test Mode	IEEE802.11n (HT40)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.30	-9.79	43.51	74.00	-30.49	peak	
2	*	4874.000	42.52	-9.79	32.73	54.00	-21.27	AVG	

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

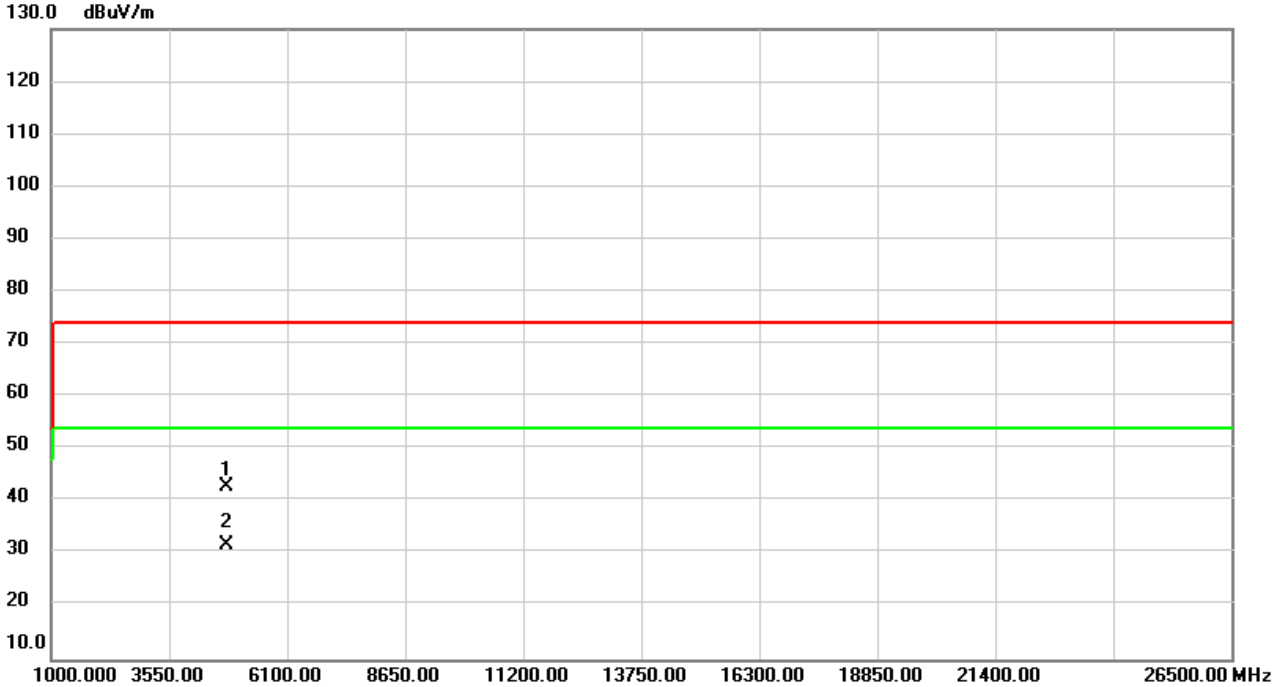
Test Mode	IEEE802.11n (HT40)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.80	-9.79	45.01	74.00	-28.99	peak	
2	*	4874.000	43.14	-9.79	33.35	54.00	-20.65	AVG	

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

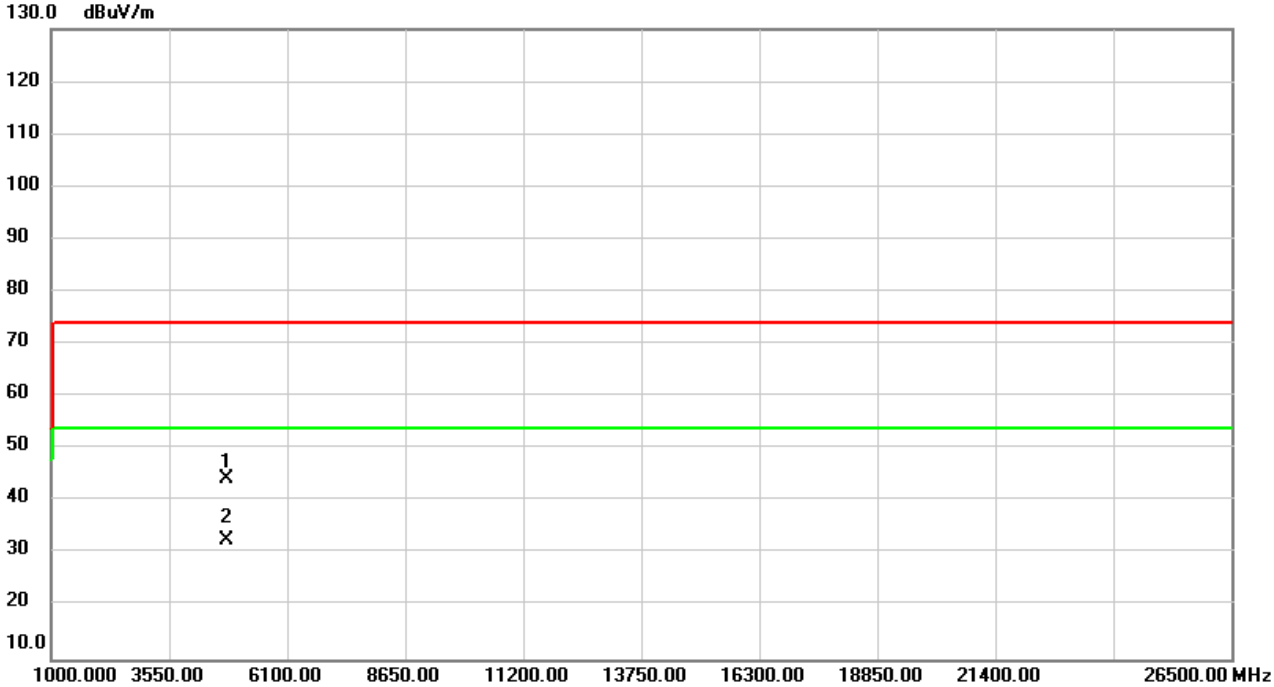
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2452MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	52.88	-10.03	42.85	74.00	-31.15	peak	
2	*	4804.000	41.76	-10.03	31.73	54.00	-22.27	AVG	

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

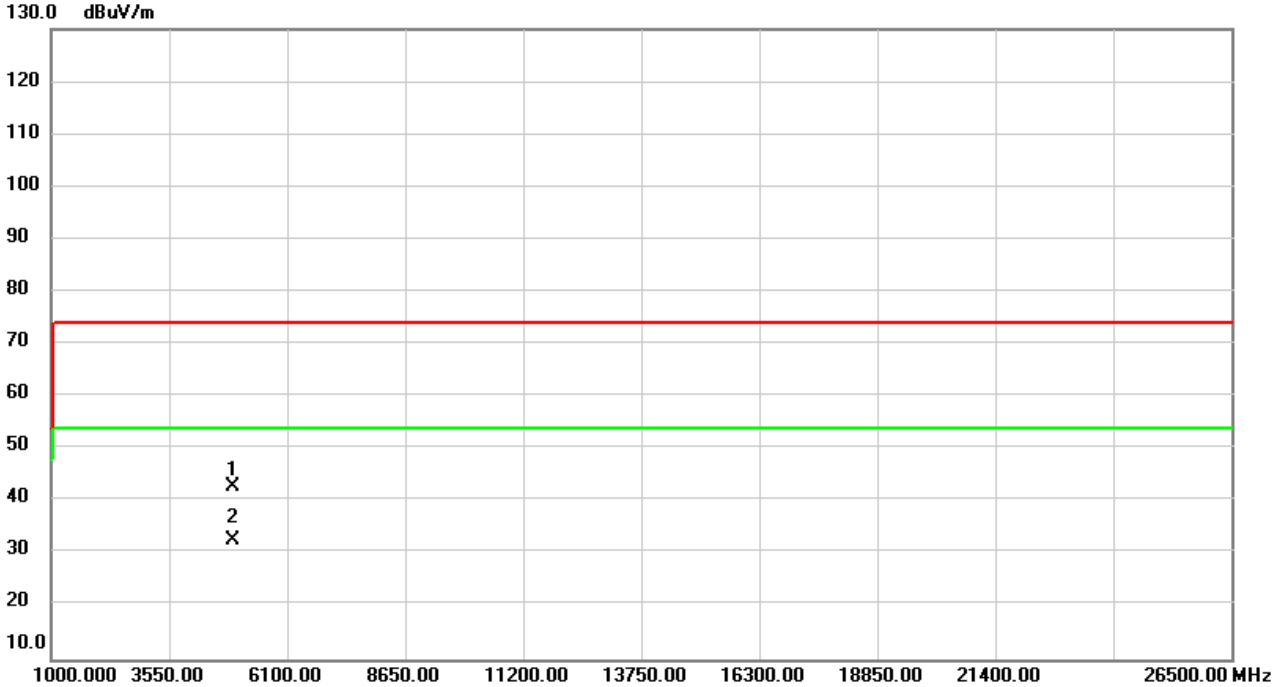
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2452MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	54.45	-10.03	44.42	74.00	-29.58	peak	
2	*	4804.000	42.79	-10.03	32.76	54.00	-21.24	AVG	

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

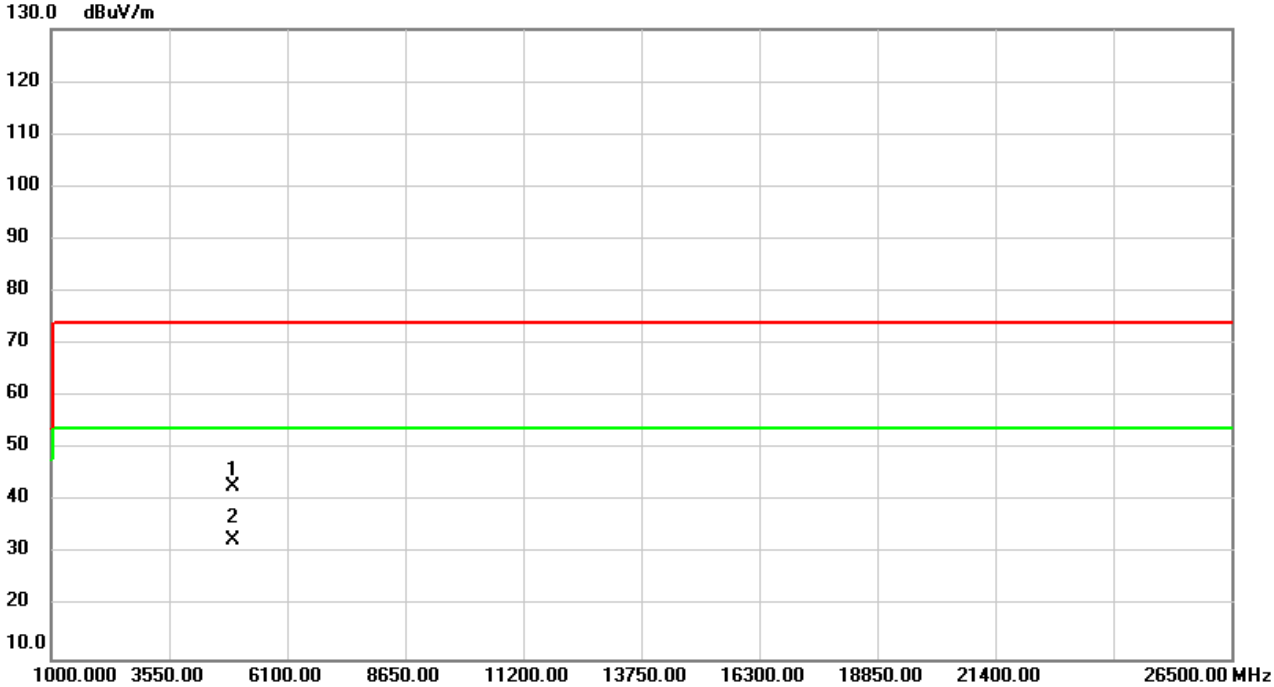
Test Mode	IEEE802.11n (HT40)	Test Date	2021/4/21
Test Frequency	2457MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	52.56	-9.65	42.91	74.00	-31.09	peak	
2	*	4914.000	42.26	-9.65	32.61	54.00	-21.39	AVG	

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

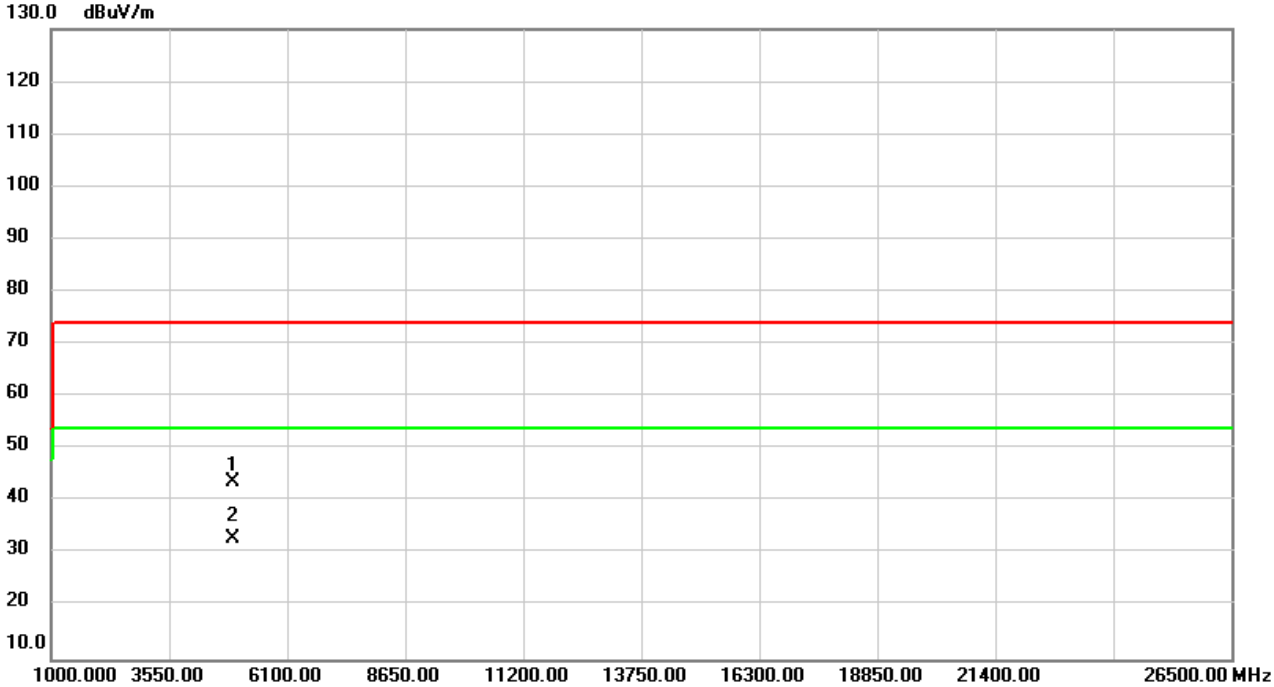
Test Mode	IEEE802.11n (HT40)	Test Date	2021/4/21
Test Frequency	2457MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	52.59	-9.65	42.94	74.00	-31.06	peak	
2	*	4914.000	42.37	-9.65	32.72	54.00	-21.28	AVG	

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

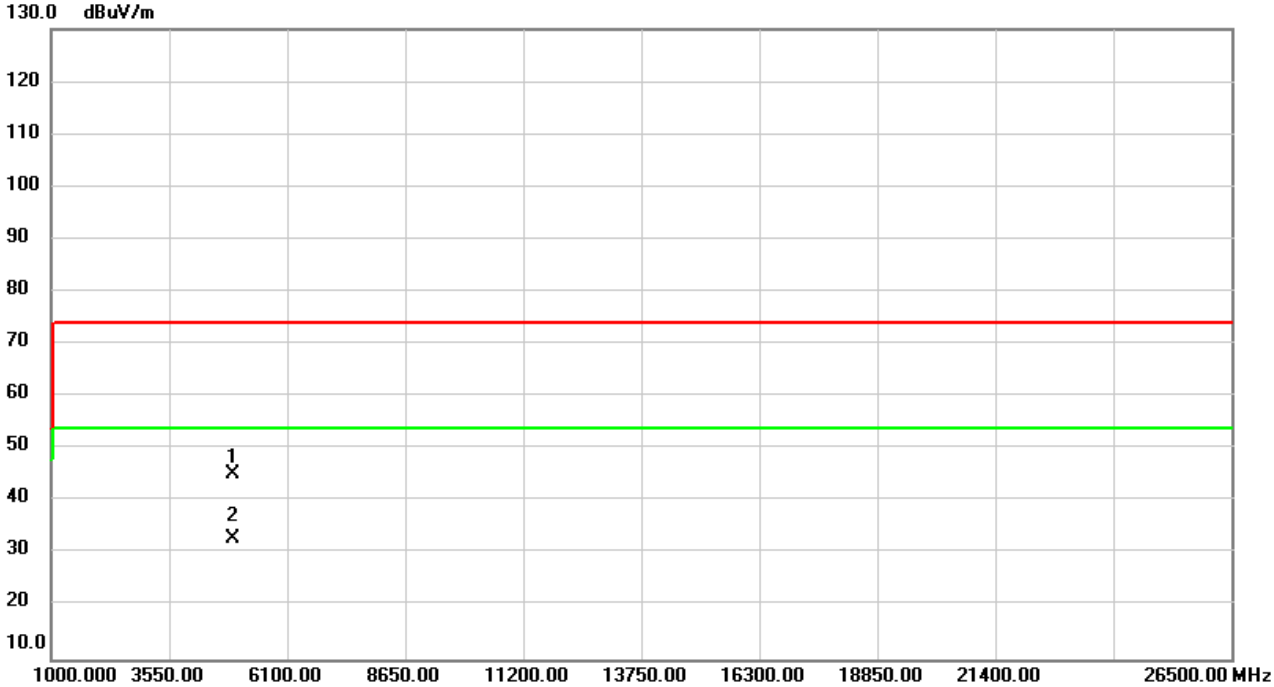
Test Mode	IEEE802.11n (HT40)	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.44	-9.62	43.82	74.00	-30.18	peak	
2	*	4924.000	42.58	-9.62	32.96	54.00	-21.04	AVG	

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

Test Mode	IEEE802.11n (HT40)	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%

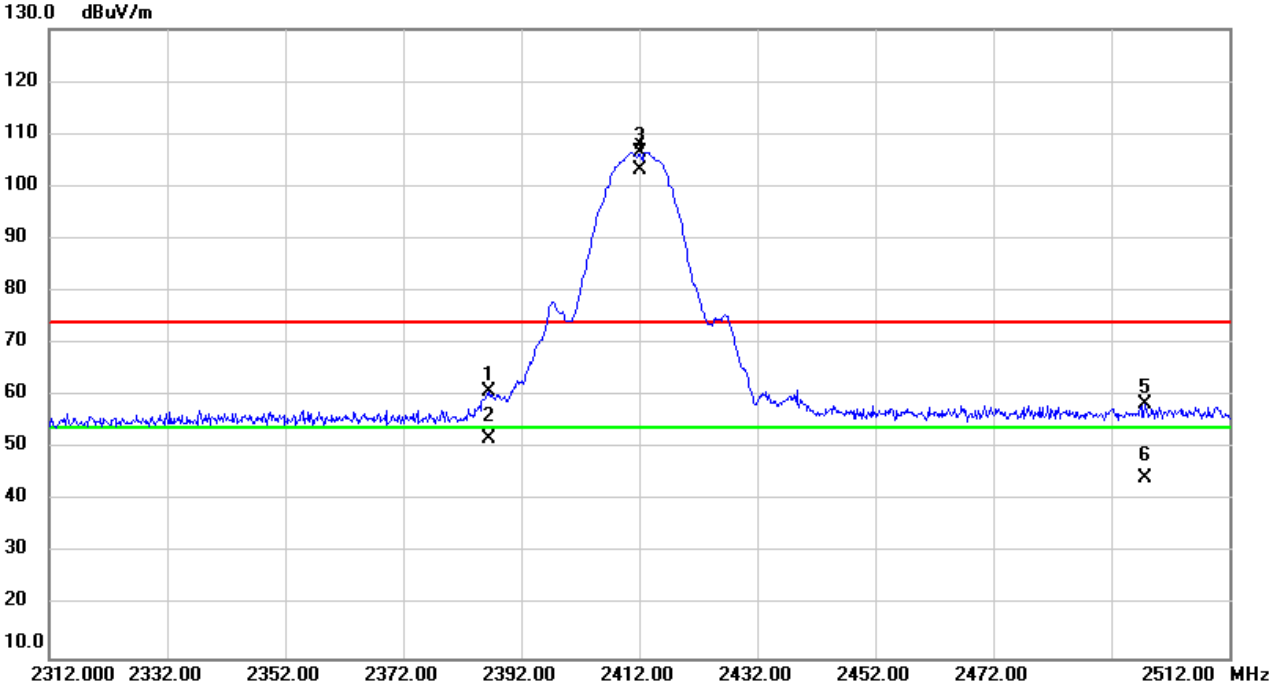


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.85	-9.62	45.23	74.00	-28.77	peak	
2	*	4924.000	42.43	-9.62	32.81	54.00	-21.19	AVG	

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

For Stubby antenna:

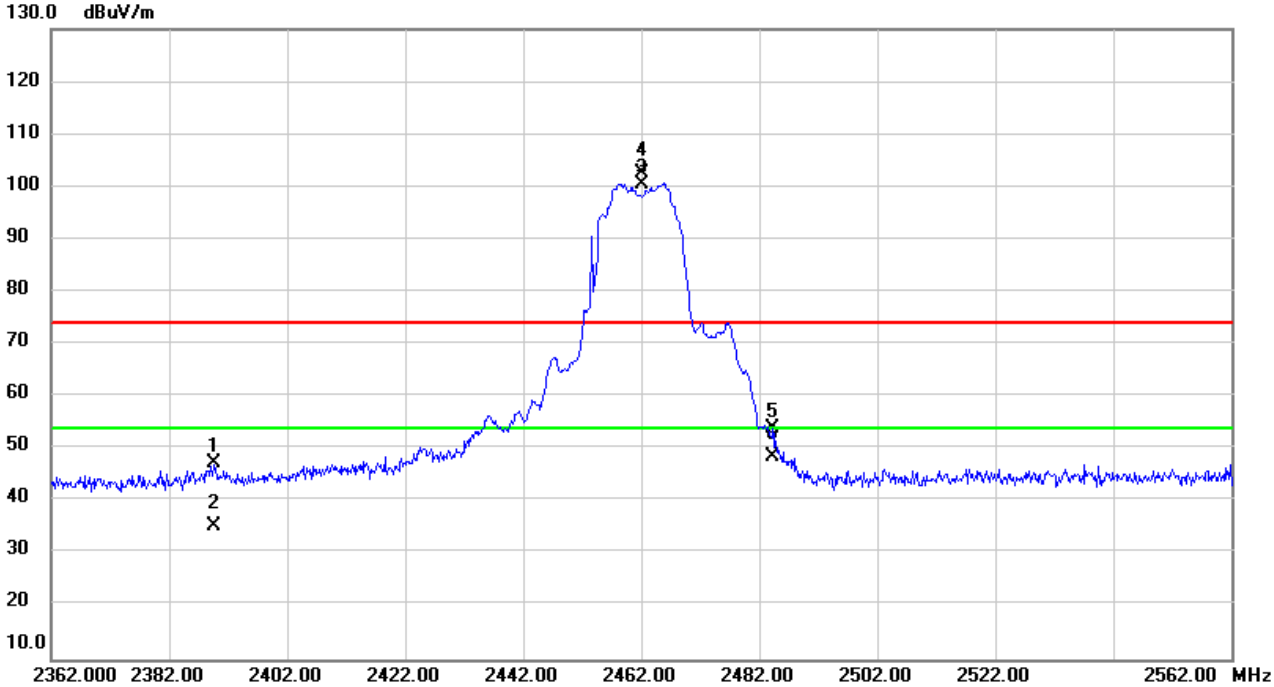
Test Mode	IEEE802.11b	Test Date	2021/4/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.607	30.06	30.77	60.83	74.00	-13.17	peak	
2		2386.607	21.10	30.77	51.87	54.00	-2.13	AVG	
3	X	2412.000	75.60	30.88	106.48	74.00	32.48	peak	NoLimit
4	*	2412.000	72.14	30.88	103.02	54.00	49.02	AVG	NoLimit
5		2497.767	27.20	31.22	58.42	74.00	-15.58	peak	
6		2497.767	13.18	31.22	44.40	54.00	-9.60	AVG	

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

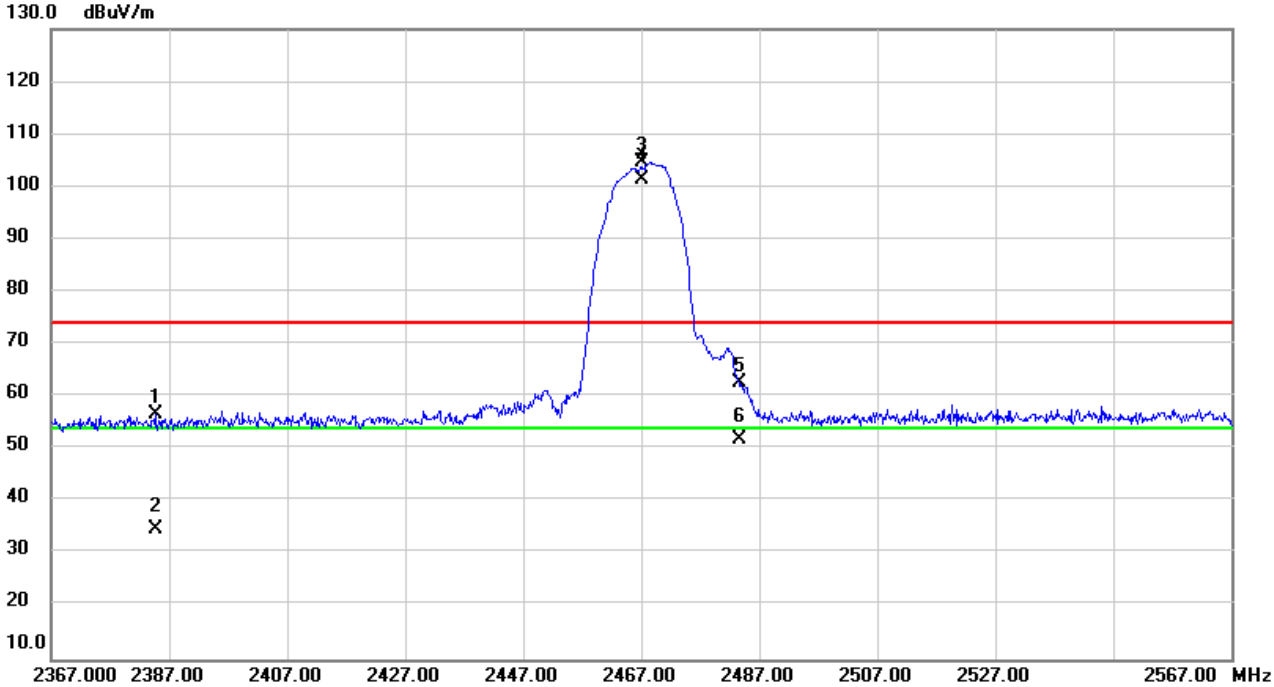
Test Mode	IEEE802.11b	Test Date	2021/4/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.587	16.42	30.78	47.20	74.00	-26.80	peak	
2		2389.587	4.45	30.78	35.23	54.00	-18.77	AVG	
3	X	2462.000	69.52	31.08	100.60	74.00	26.60	peak	NoLimit
4	*	2462.000	71.35	31.08	102.43	54.00	48.43	AVG	NoLimit
5		2484.320	22.81	31.17	53.98	74.00	-20.02	peak	
6		2484.320	17.36	31.17	48.53	54.00	-5.47	AVG	

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

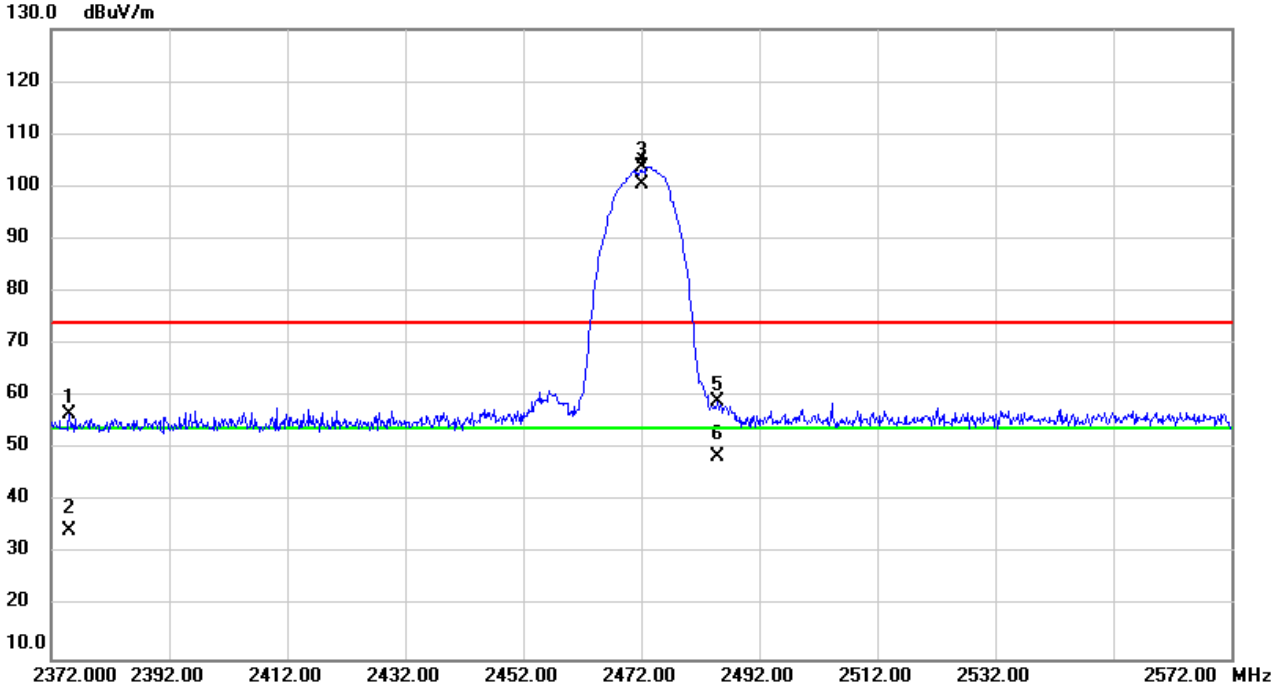
Test Mode	IEEE802.11b	Test Date	2021/4/20
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.673	26.03	30.77	56.80	74.00	-17.20	peak	
2		2384.673	3.93	30.77	34.70	54.00	-19.30	AVG	
3	X	2467.000	73.48	31.10	104.58	74.00	30.58	peak	NoLimit
4	*	2467.000	70.16	31.10	101.26	54.00	47.26	AVG	NoLimit
5		2483.587	31.44	31.16	62.60	74.00	-11.40	peak	
6		2483.587	20.75	31.16	51.91	54.00	-2.09	AVG	

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

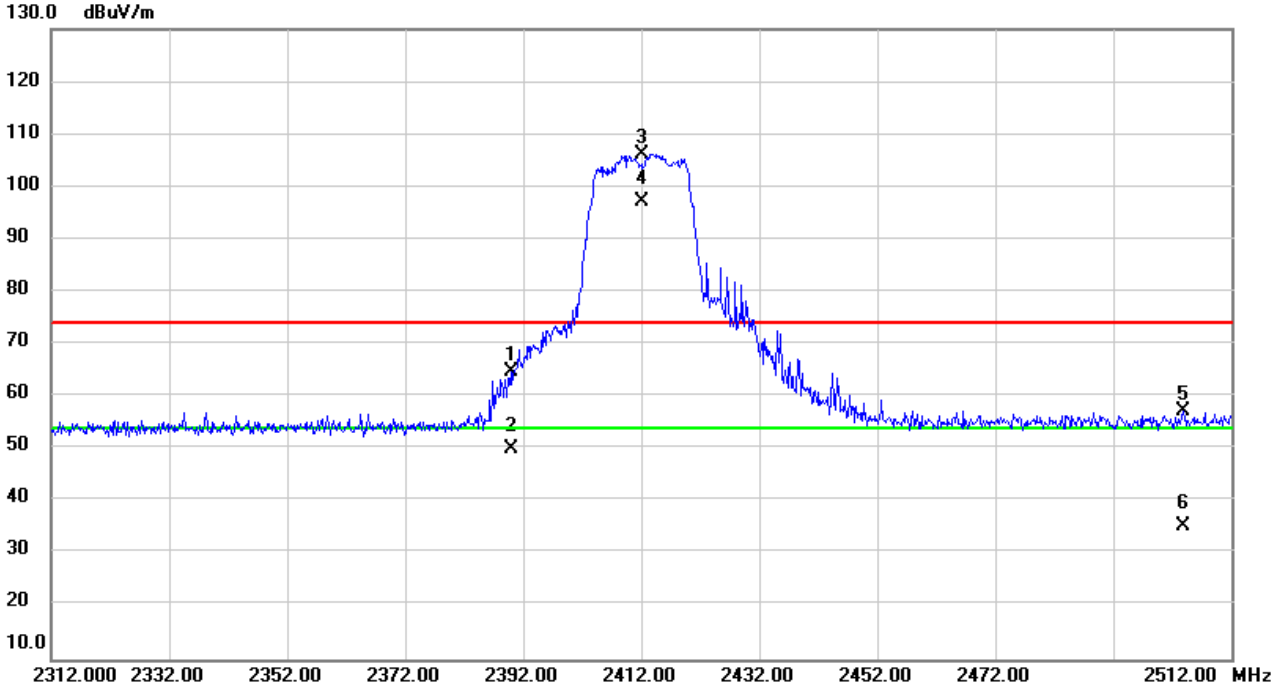
Test Mode	IEEE802.11b	Test Date	2021/4/20
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2375.187	25.89	30.74	56.63	74.00	-17.37	peak	
2		2375.187	3.60	30.74	34.34	54.00	-19.66	AVG	
3	X	2472.000	72.72	31.11	103.83	74.00	29.83	peak	NoLimit
4	*	2472.000	69.22	31.11	100.33	54.00	46.33	AVG	NoLimit
5		2485.040	27.95	31.17	59.12	74.00	-14.88	peak	
6		2485.040	17.28	31.17	48.45	54.00	-5.55	AVG	

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

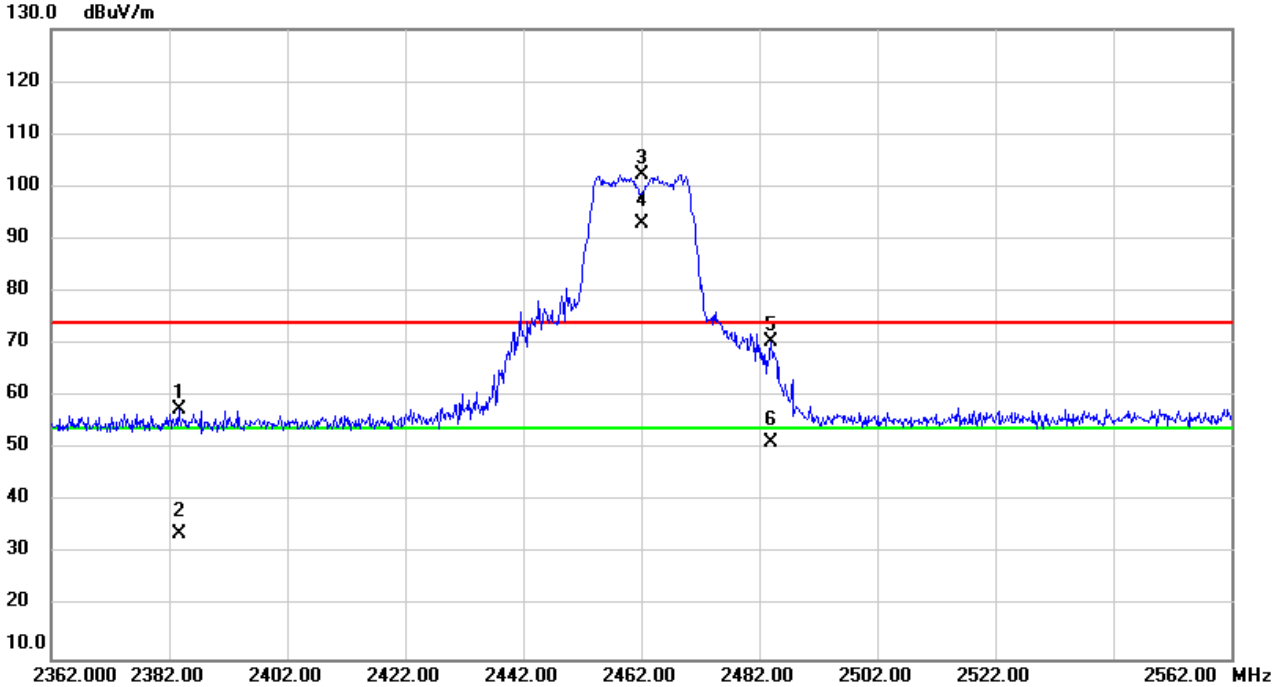
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.927	34.06	30.79	64.85	74.00	-9.15	peak	
2		2389.927	19.26	30.79	50.05	54.00	-3.95	AVG	
3	X	2412.000	75.39	30.88	106.27	74.00	32.27	peak	NoLimit
4	*	2412.000	66.17	30.88	97.05	54.00	43.05	AVG	NoLimit
5		2503.793	25.90	31.24	57.14	74.00	-16.86	peak	
6		2503.793	4.02	31.24	35.26	54.00	-18.74	AVG	

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

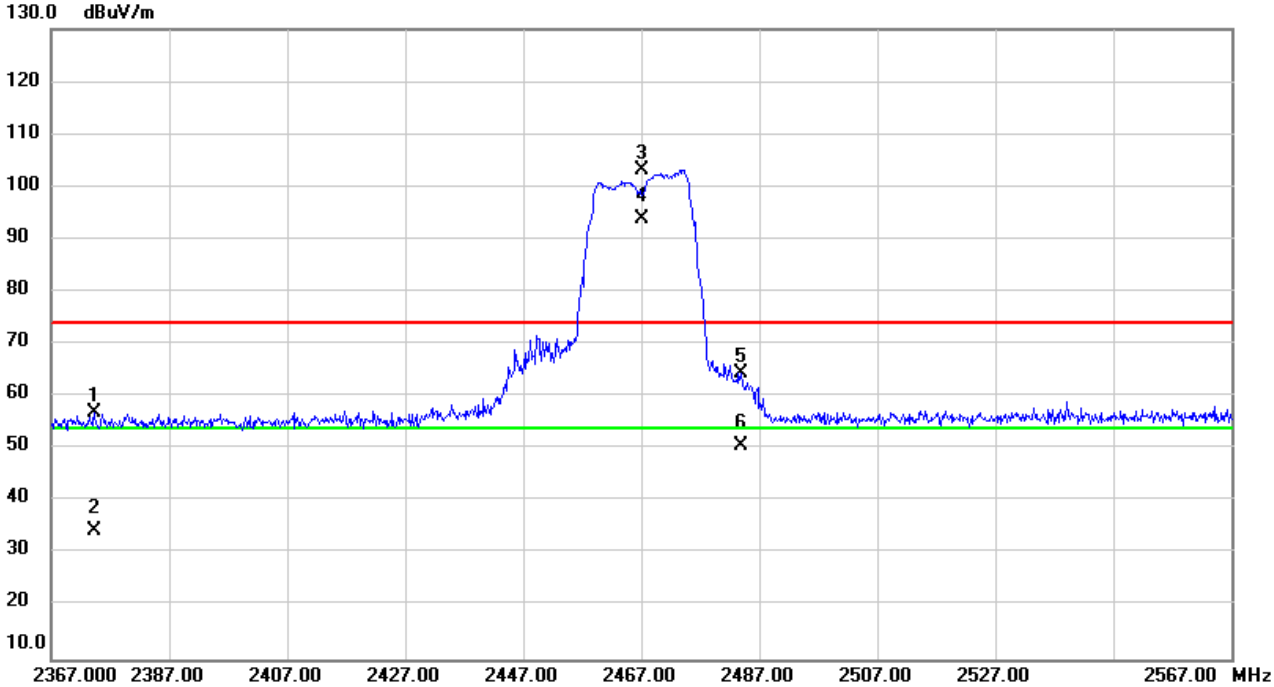
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.767	26.80	30.76	57.56	74.00	-16.44	peak	
2		2383.767	2.98	30.76	33.74	54.00	-20.26	AVG	
3	X	2462.000	71.09	31.08	102.17	74.00	28.17	peak	NoLimit
4	*	2462.000	61.79	31.08	92.87	54.00	38.87	AVG	NoLimit
5		2484.033	39.20	31.17	70.37	74.00	-3.63	peak	
6		2484.033	20.12	31.17	51.29	54.00	-2.71	AVG	

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

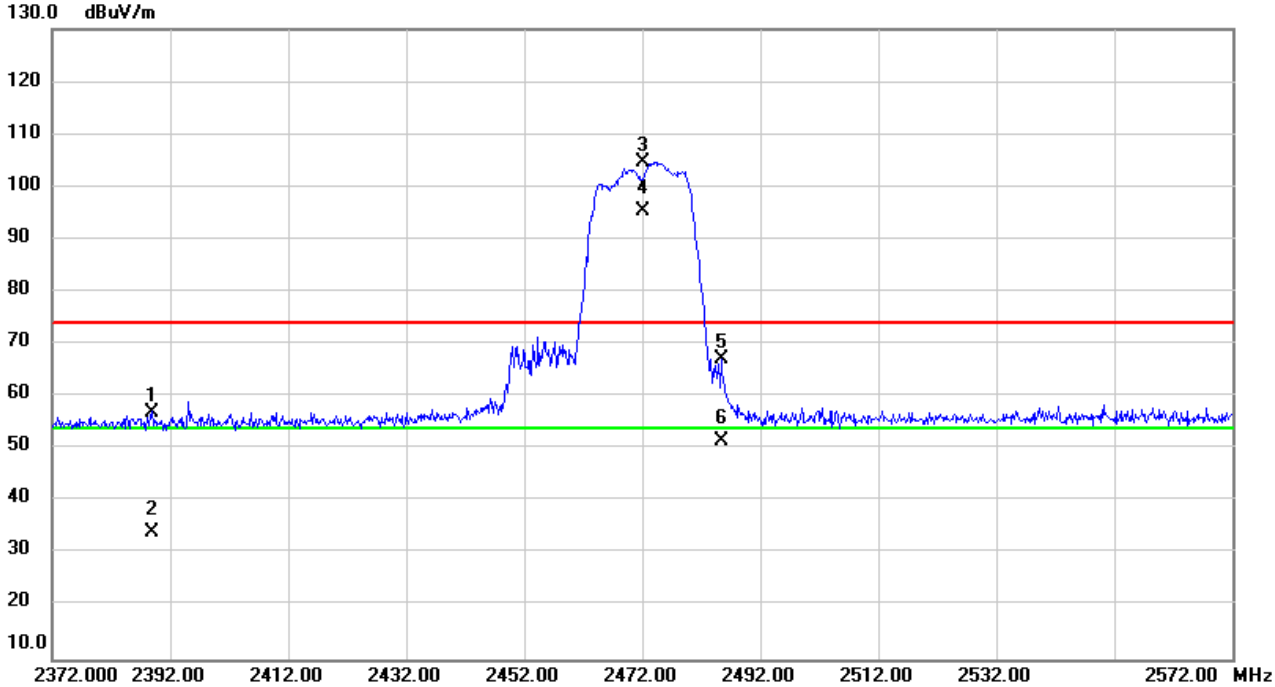
Test Mode	IEEE802.11g	Test Date	2021/4/20
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2374.387	26.11	30.72	56.83	74.00	-17.17	peak	
2		2374.387	3.80	30.72	34.52	54.00	-19.48	AVG	
3	X	2467.000	72.18	31.10	103.28	74.00	29.28	peak	NoLimit
4	*	2467.000	62.82	31.10	93.92	54.00	39.92	AVG	NoLimit
5		2483.993	33.40	31.17	64.57	74.00	-9.43	peak	
6		2483.993	19.60	31.17	50.77	54.00	-3.23	AVG	

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

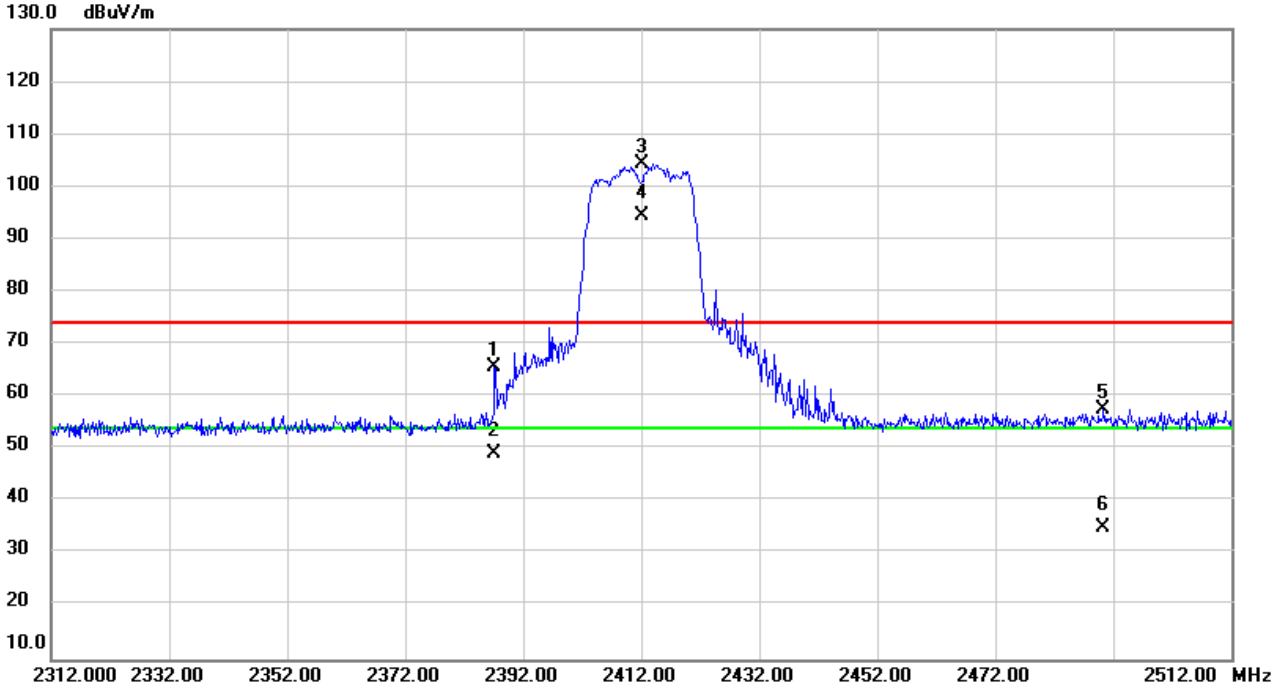
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.813	26.32	30.78	57.10	74.00	-16.90	peak	
2		2388.813	3.35	30.78	34.13	54.00	-19.87	AVG	
3	X	2472.000	73.57	31.11	104.68	74.00	30.68	peak	NoLimit
4	*	2472.000	64.19	31.11	95.30	54.00	41.30	AVG	NoLimit
5		2485.580	36.09	31.17	67.26	74.00	-6.74	peak	
6		2485.580	20.44	31.17	51.61	54.00	-2.39	AVG	

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

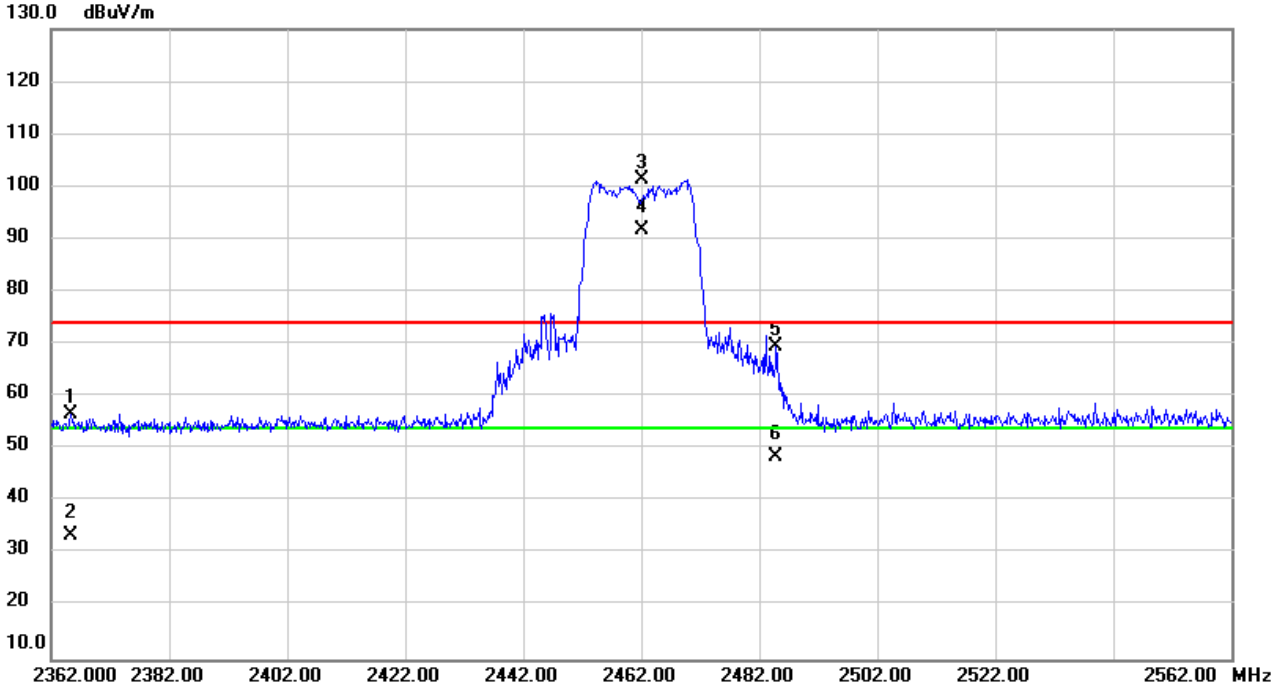
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.087	34.75	30.78	65.53	74.00	-8.47	peak	
2		2387.087	18.40	30.78	49.18	54.00	-4.82	AVG	
3	X	2412.000	73.52	30.88	104.40	74.00	30.40	peak	NoLimit
4	*	2412.000	63.62	30.88	94.50	54.00	40.50	AVG	NoLimit
5		2490.320	26.48	31.19	57.67	74.00	-16.33	peak	
6		2490.320	3.79	31.19	34.98	54.00	-19.02	AVG	

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

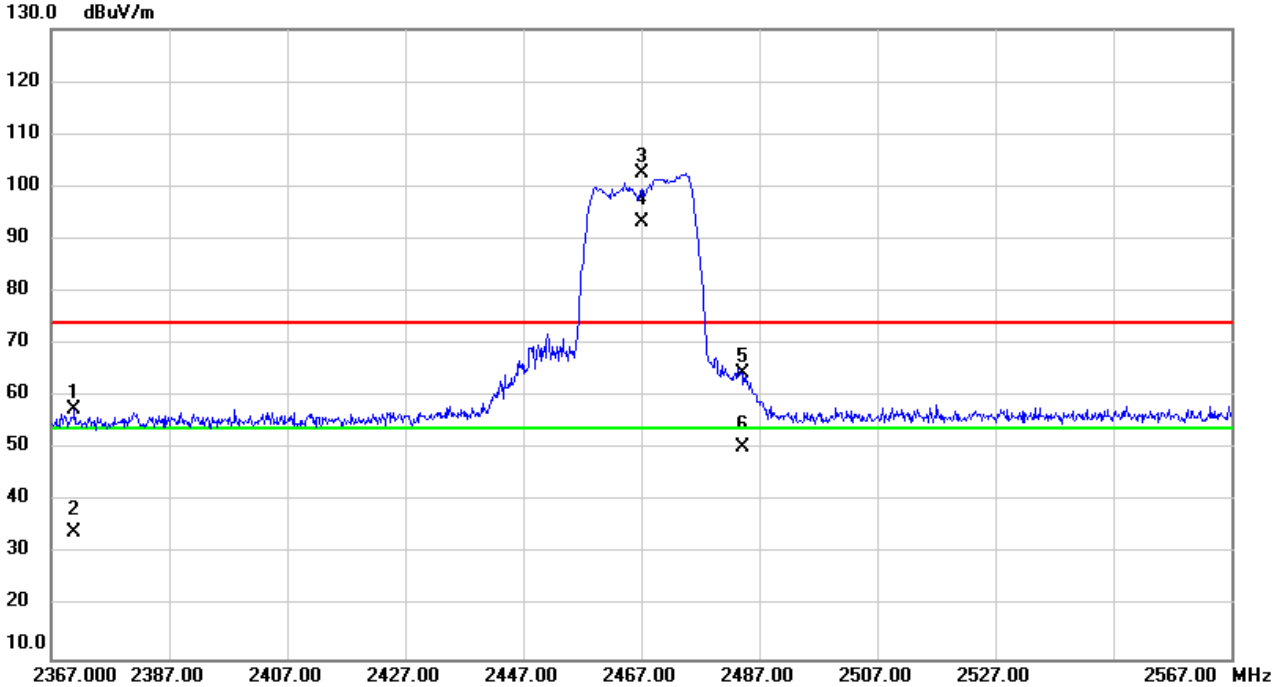
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2365.287	25.89	30.69	56.58	74.00	-17.42	peak	
2		2365.287	2.96	30.69	33.65	54.00	-20.35	AVG	
3	X	2462.000	70.22	31.08	101.30	74.00	27.30	peak	NoLimit
4	*	2462.000	60.72	31.08	91.80	54.00	37.80	AVG	NoLimit
5		2484.927	38.29	31.17	69.46	74.00	-4.54	peak	
6		2484.927	17.49	31.17	48.66	54.00	-5.34	AVG	

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

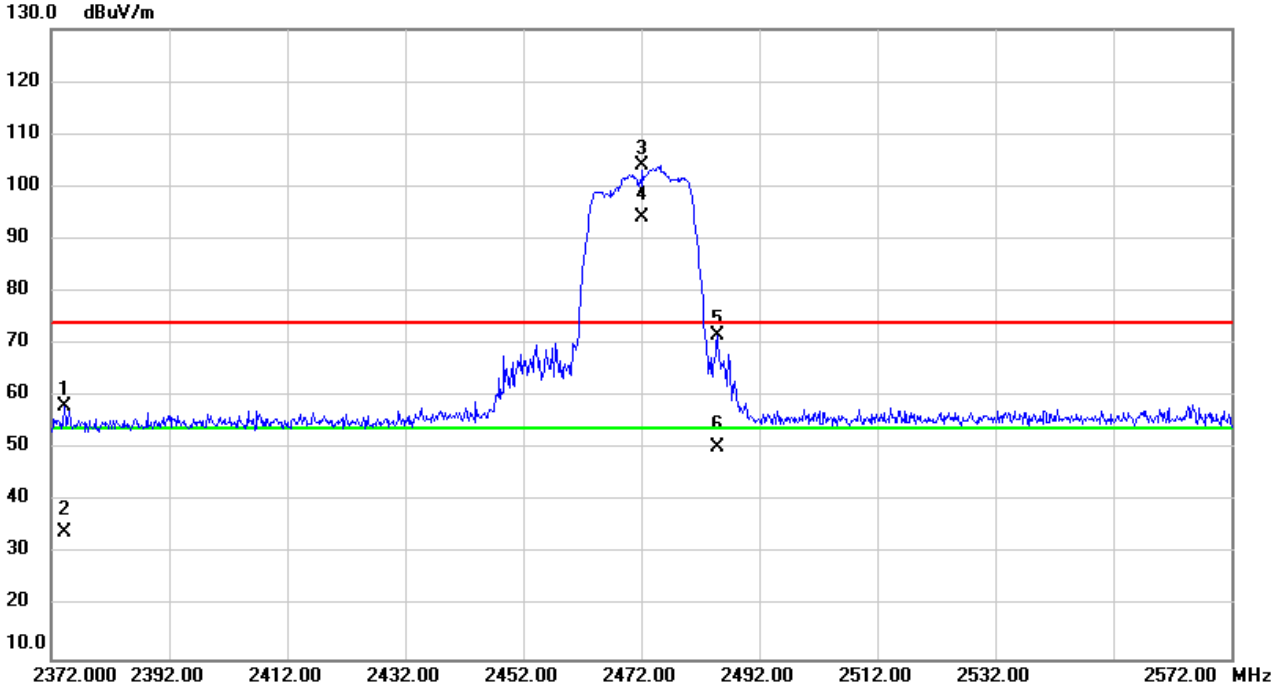
Test Mode	IEEE802.11n(HT20)	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	59%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2370.887	26.96	30.71	57.67	74.00	-16.33	peak	
2		2370.887	3.30	30.71	34.01	54.00	-19.99	AVG	
3	X	2467.000	71.34	31.10	102.44	74.00	28.44	peak	NoLimit
4	*	2467.000	62.03	31.10	93.13	54.00	39.13	AVG	NoLimit
5		2484.087	33.27	31.17	64.44	74.00	-9.56	peak	
6		2484.087	19.09	31.17	50.26	54.00	-3.74	AVG	

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

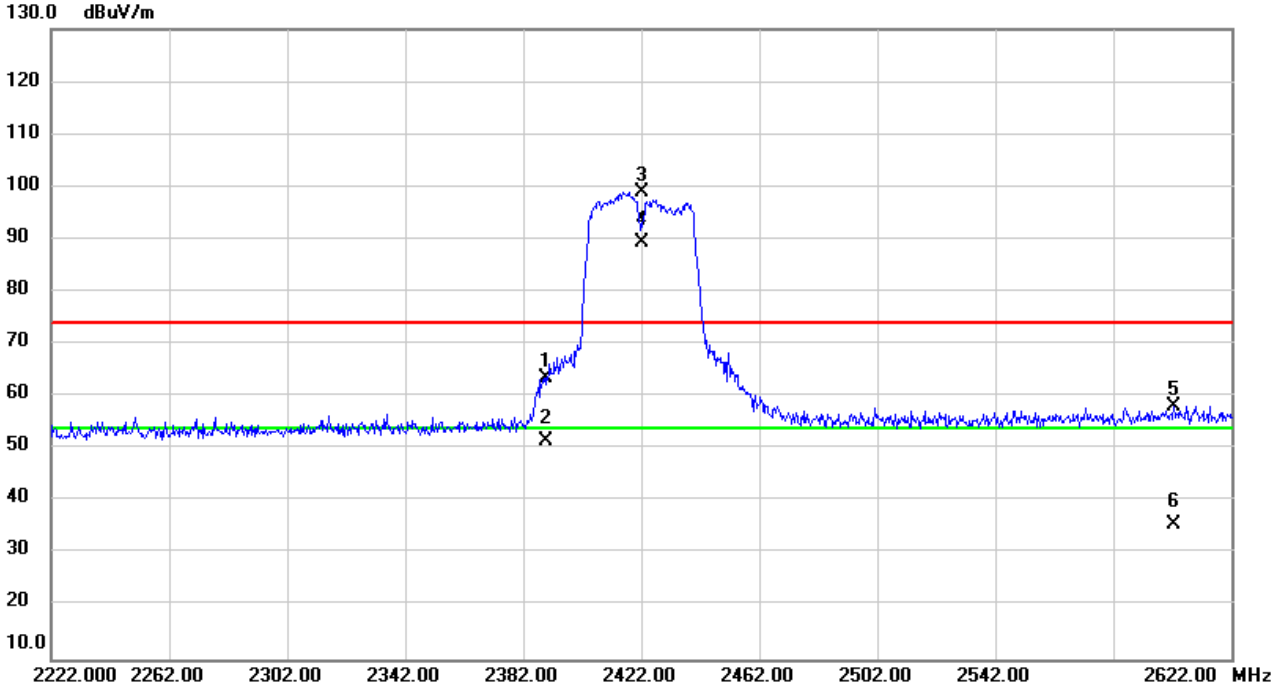
Test Mode	IEEE802.11n(HT20)	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2374.373	27.50	30.72	58.22	74.00	-15.78	peak	
2		2374.373	3.37	30.72	34.09	54.00	-19.91	AVG	
3	X	2472.000	72.94	31.11	104.05	74.00	30.05	peak	NoLimit
4	*	2472.000	63.17	31.11	94.28	54.00	40.28	AVG	NoLimit
5		2484.820	40.59	31.17	71.76	74.00	-2.24	peak	
6		2484.820	19.19	31.17	50.36	54.00	-3.64	AVG	

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

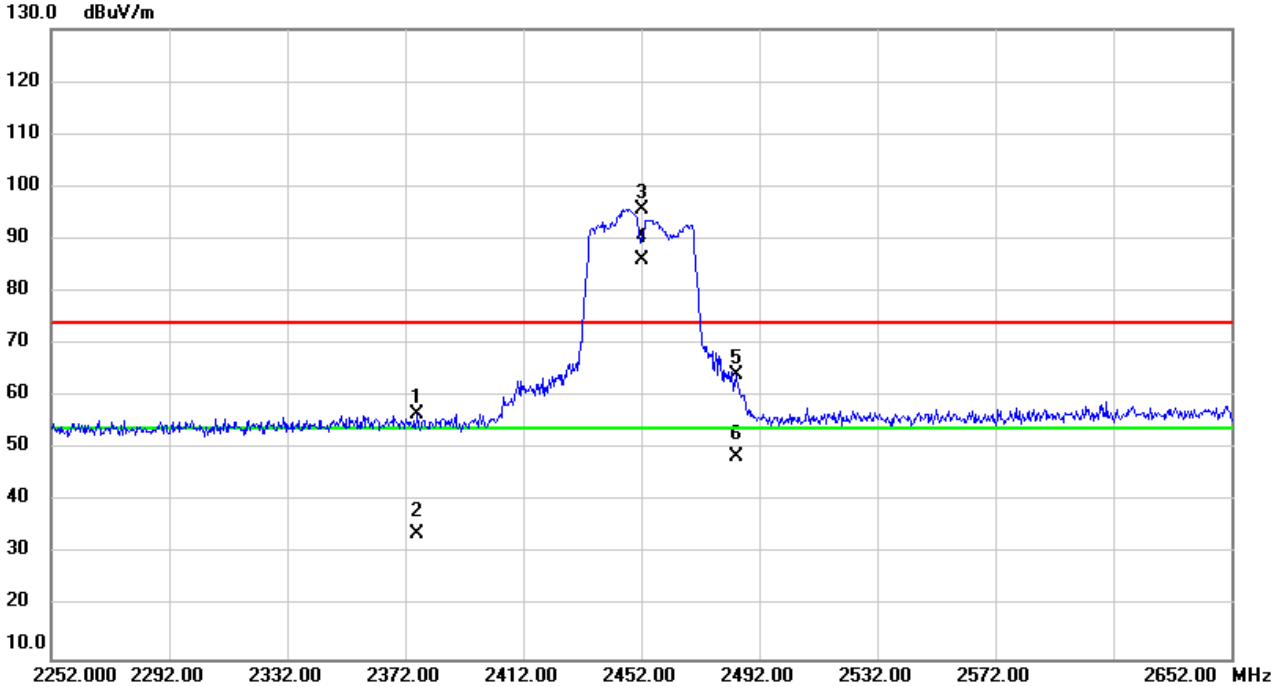
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2422MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.680	32.90	30.78	63.68	74.00	-10.32	peak	
2		2389.680	20.76	30.78	51.54	54.00	-2.46	AVG	
3	X	2422.000	67.98	30.91	98.89	74.00	24.89	peak	NoLimit
4	*	2422.000	58.45	30.91	89.36	54.00	35.36	AVG	NoLimit
5		2602.693	26.62	31.66	58.28	74.00	-15.72	peak	
6		2602.693	4.13	31.66	35.79	54.00	-18.21	AVG	

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

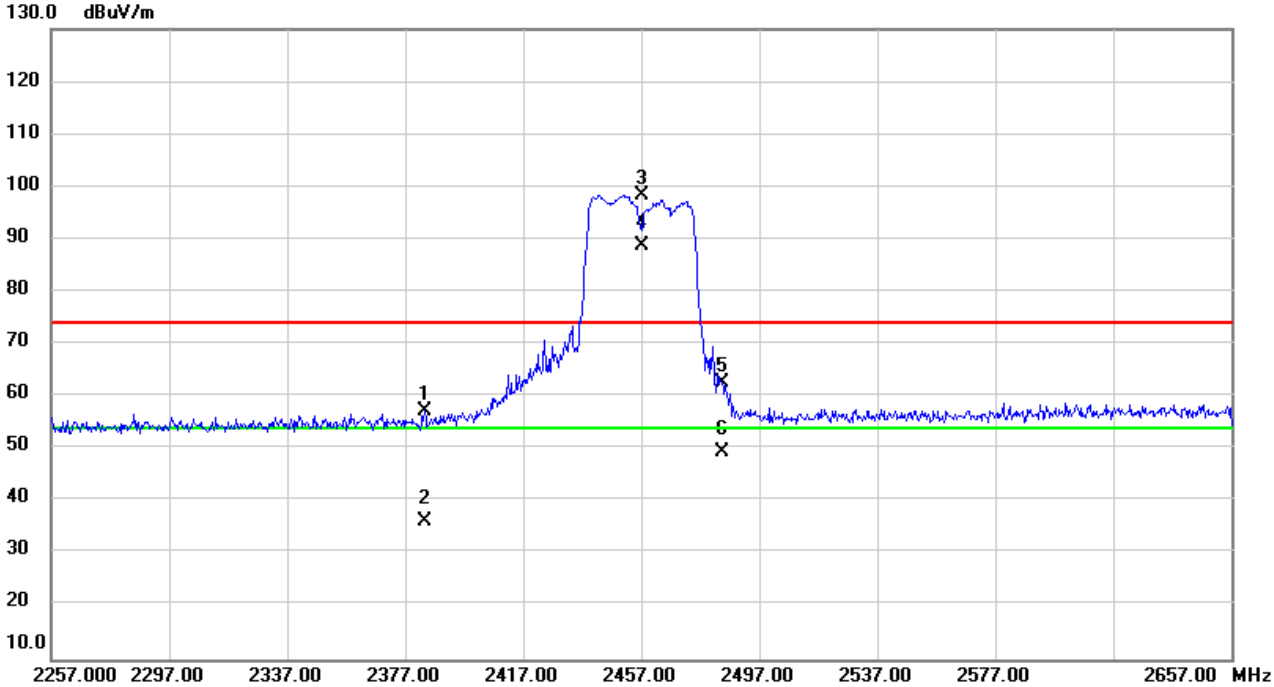
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2452MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2376.040	25.91	30.74	56.65	74.00	-17.35	peak	
2		2376.040	3.07	30.74	33.81	54.00	-20.19	AVG	
3	X	2452.000	64.55	31.04	95.59	74.00	21.59	peak	NoLimit
4	*	2452.000	55.00	31.04	86.04	54.00	32.04	AVG	NoLimit
5		2484.267	32.95	31.17	64.12	74.00	-9.88	peak	
6		2484.267	17.37	31.17	48.54	54.00	-5.46	AVG	

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

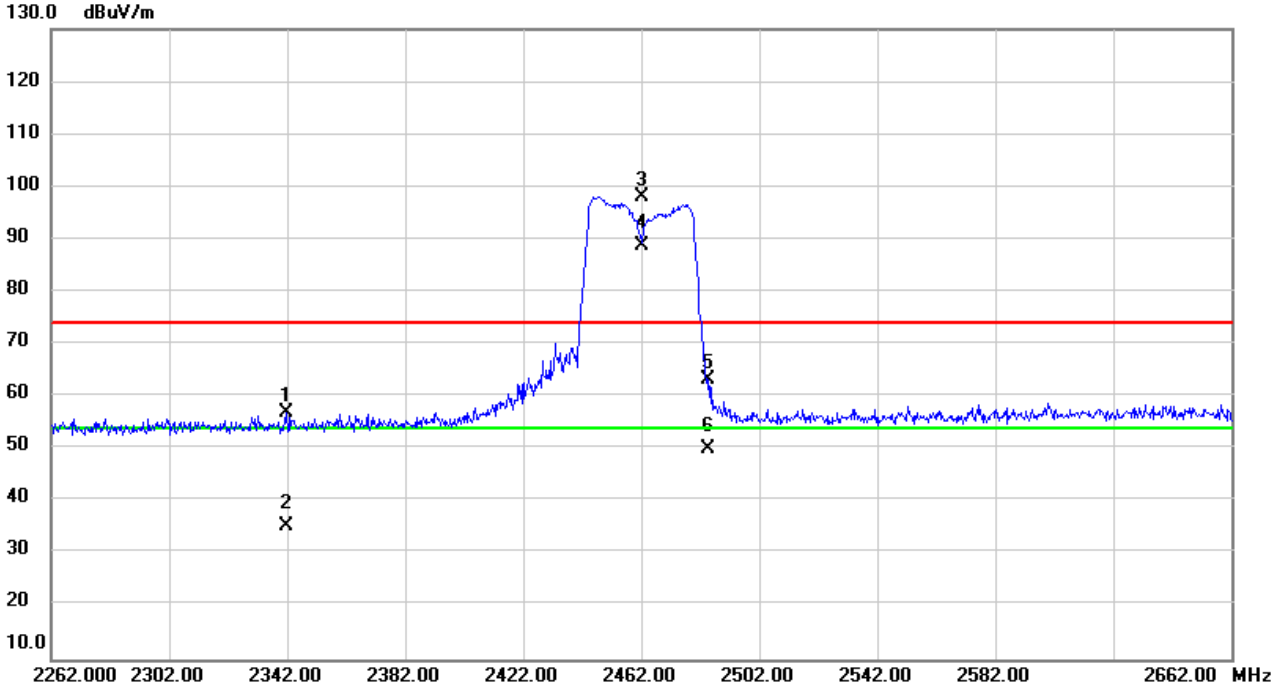
Test Mode	IEEE802.11n(HT40)	Test Date	2021/4/21
Test Frequency	2457MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.427	26.45	30.76	57.21	74.00	-16.79	peak	
2		2383.427	5.56	30.76	36.32	54.00	-17.68	AVG	
3	X	2457.000	67.27	31.05	98.32	74.00	24.32	peak	NoLimit
4	*	2457.000	57.61	31.05	88.66	54.00	34.66	AVG	NoLimit
5		2484.227	31.45	31.17	62.62	74.00	-11.38	peak	
6		2484.227	18.23	31.17	49.40	54.00	-4.60	AVG	

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

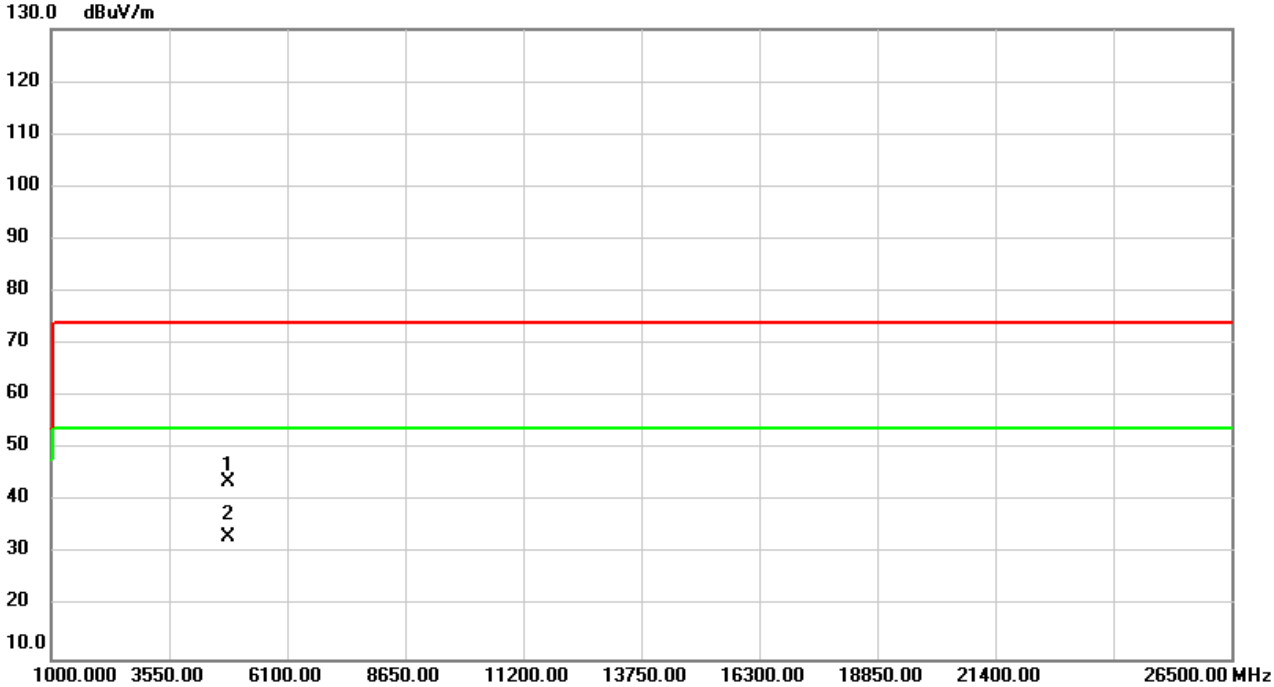
Test Mode	IEEE802.11n(HT40)	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2341.787	26.30	30.60	56.90	74.00	-17.10	peak	
2		2341.787	4.84	30.60	35.44	54.00	-18.56	AVG	
3	X	2462.000	67.10	31.08	98.18	74.00	24.18	peak	NoLimit
4	*	2462.000	57.62	31.08	88.70	54.00	34.70	AVG	NoLimit
5		2484.867	32.09	31.17	63.26	74.00	-10.74	peak	
6		2484.867	18.89	31.17	50.06	54.00	-3.94	AVG	

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

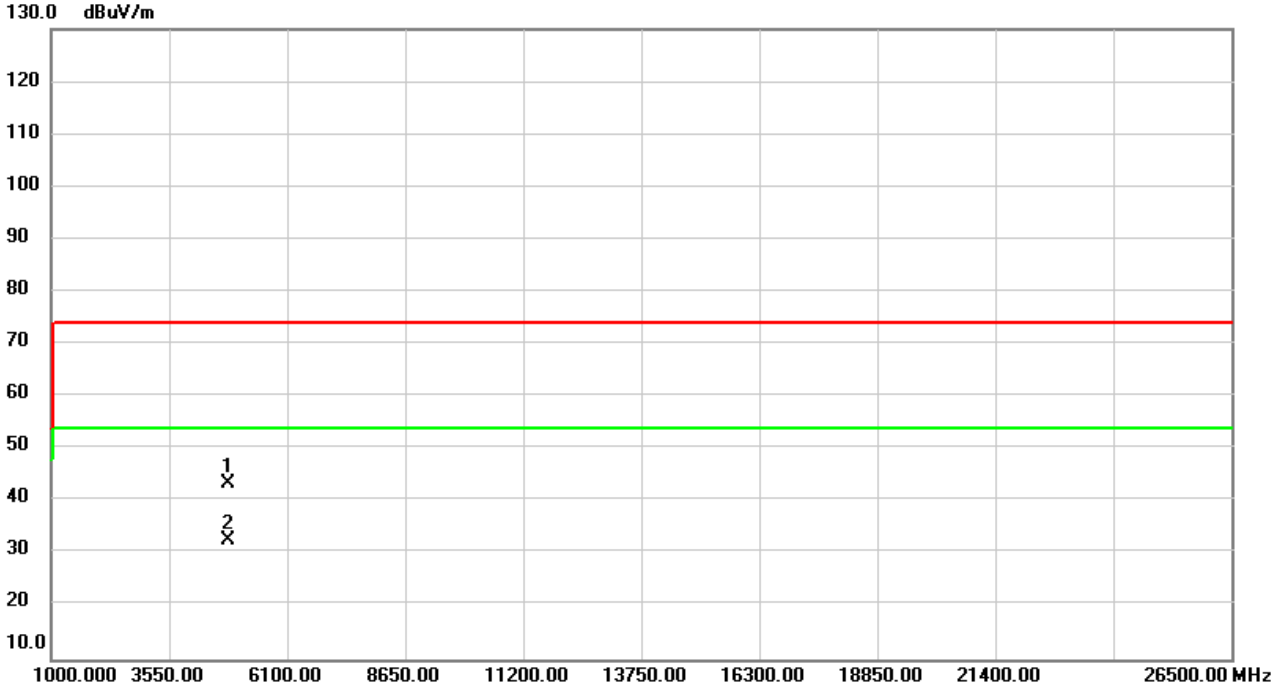
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.65	-9.96	43.69	74.00	-30.31	peak	
2	*	4824.000	43.23	-9.96	33.27	54.00	-20.73	AVG	

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

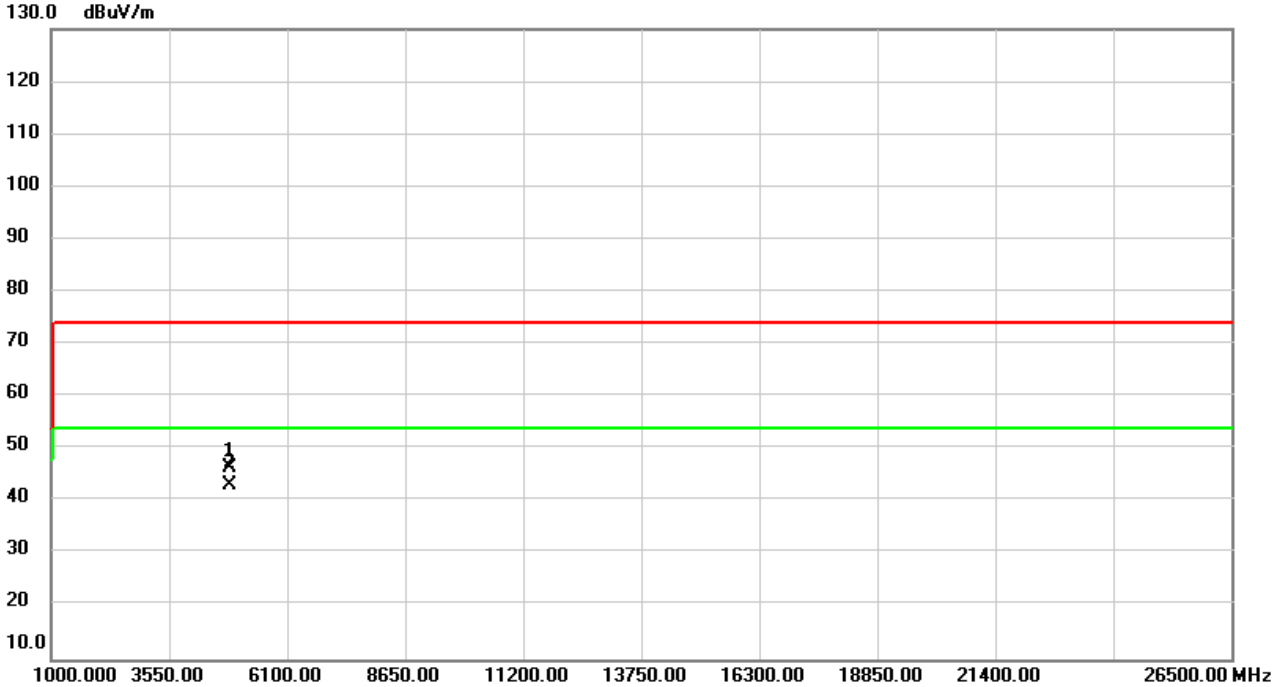
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.000	53.31	-9.96	43.35	74.00	-30.65	peak	
2		4824.000	42.51	-9.96	32.55	74.00	-41.45	peak	

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

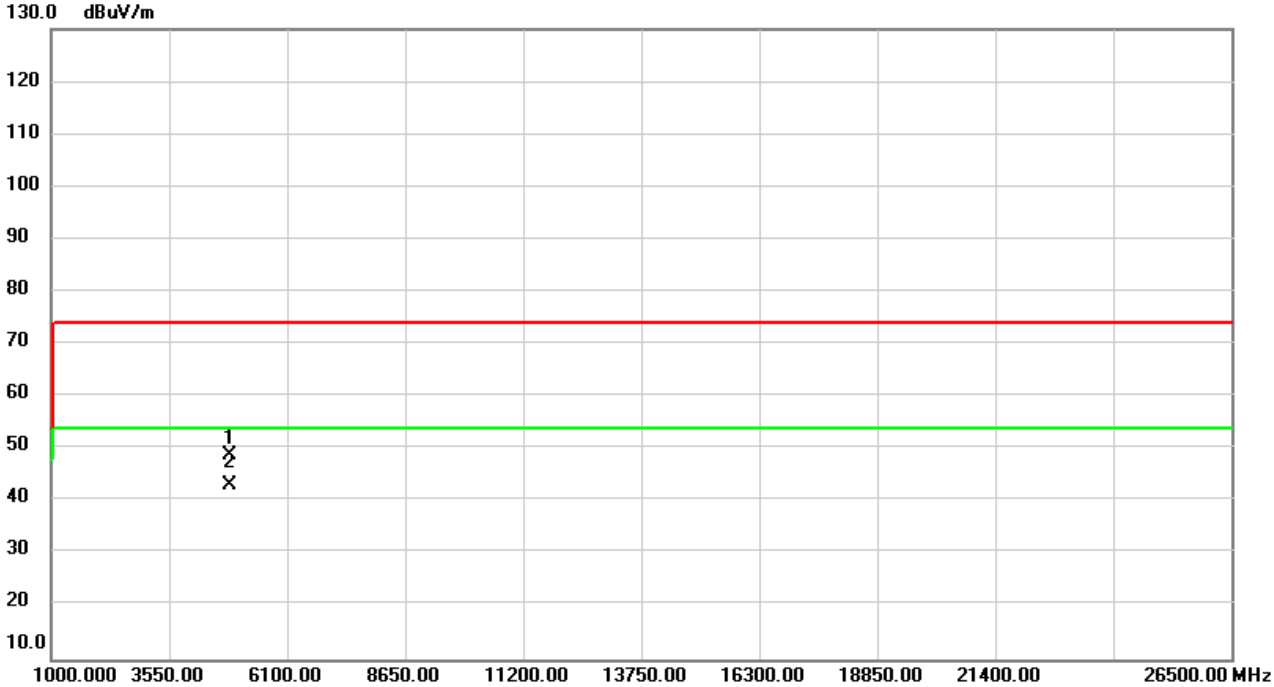
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	56.20	-9.79	46.41	74.00	-27.59	peak	
2	*	4874.000	52.96	-9.79	43.17	54.00	-10.83	AVG	

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

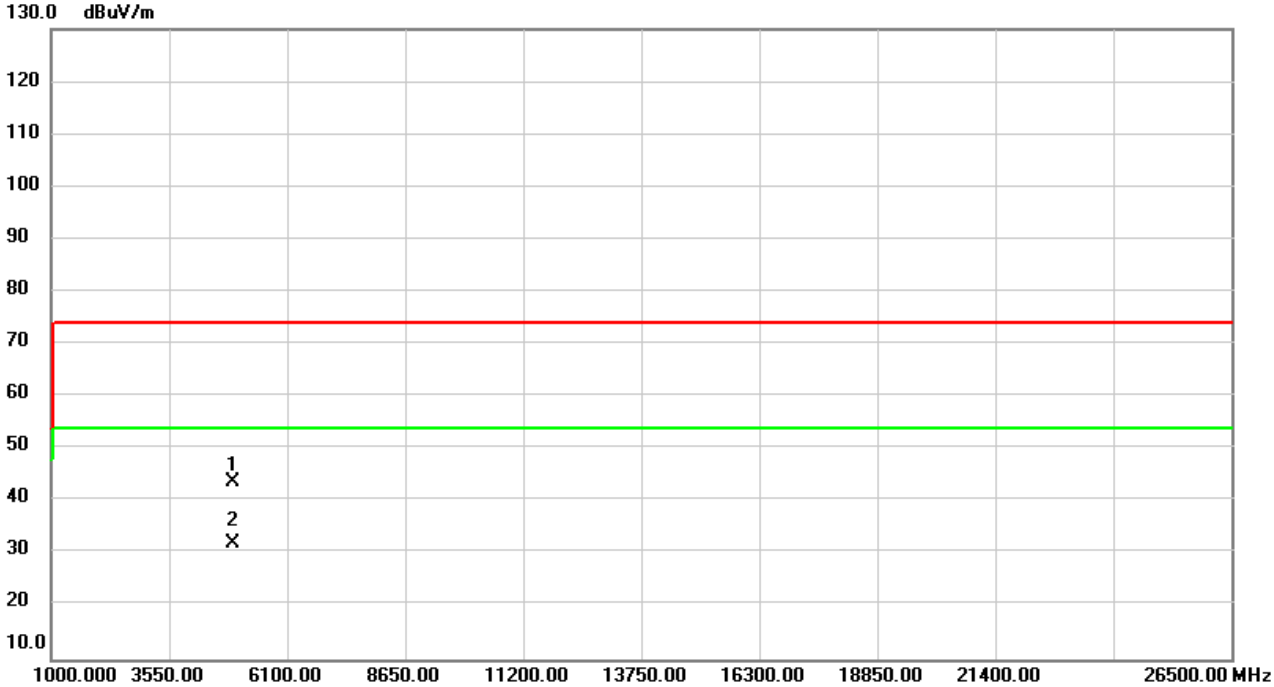
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	58.72	-9.79	48.93	74.00	-25.07	peak	
2	*	4874.000	52.87	-9.79	43.08	54.00	-10.92	AVG	

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

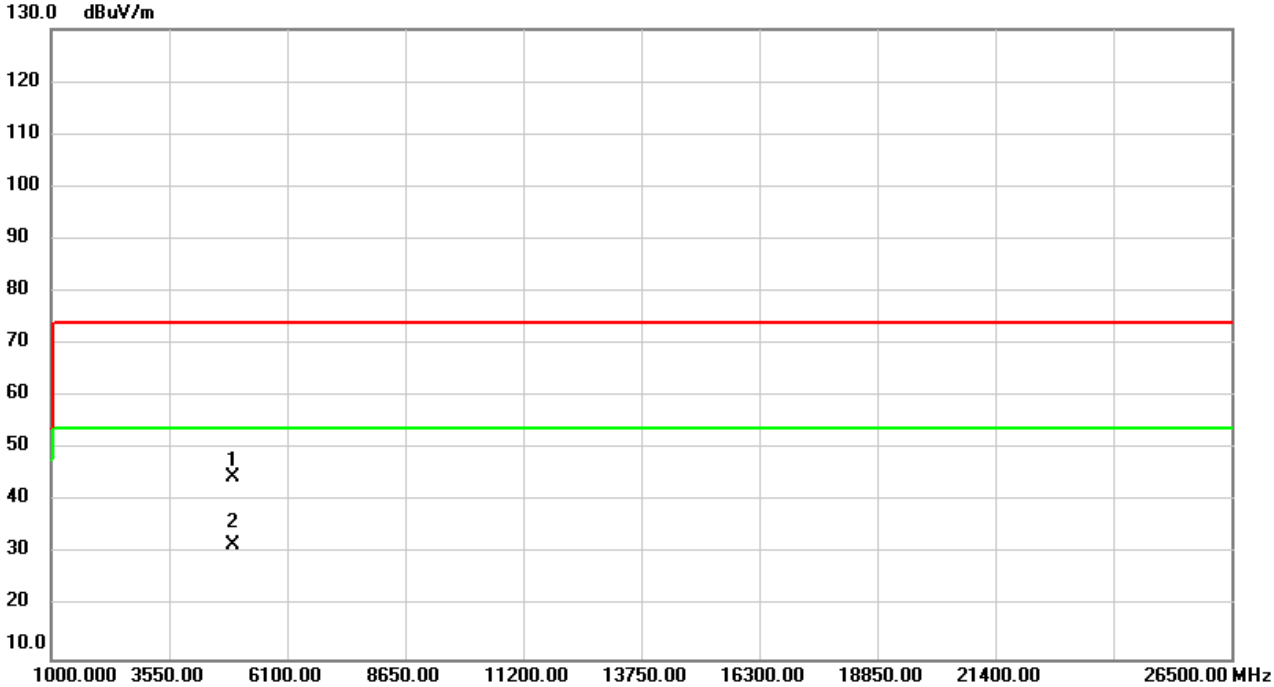
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.38	-9.62	43.76	74.00	-30.24	peak	
2	*	4924.000	41.79	-9.62	32.17	54.00	-21.83	AVG	

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

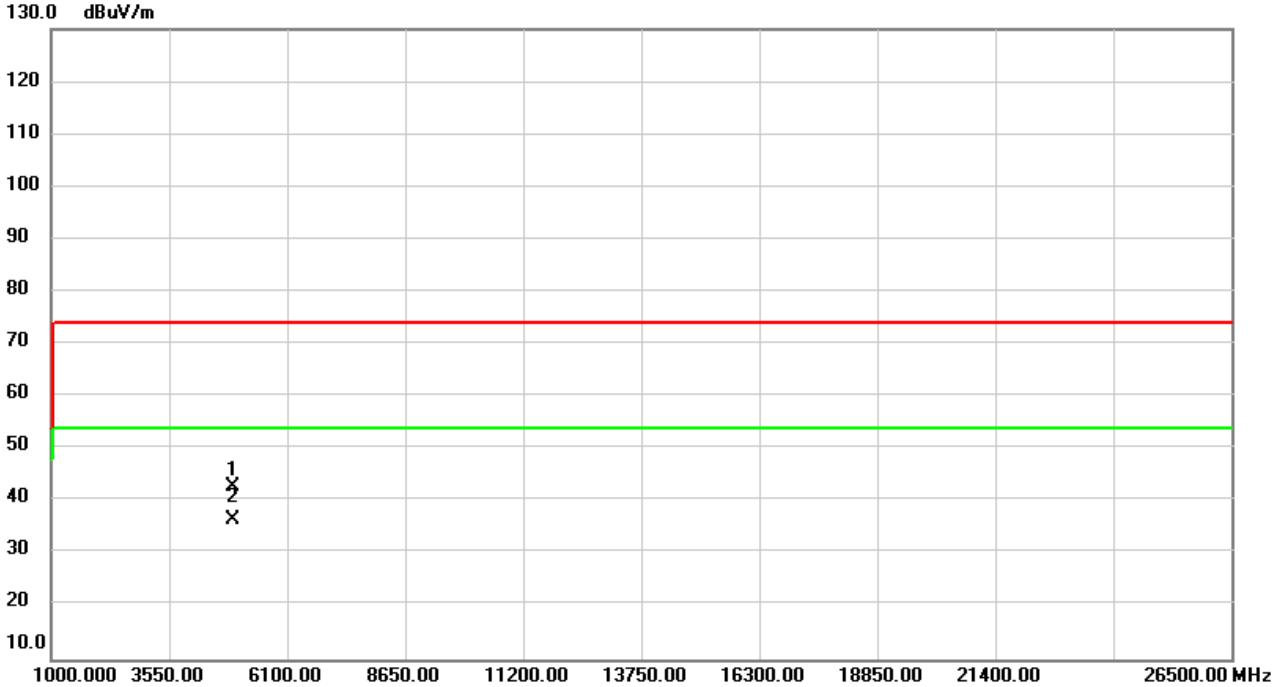
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.32	-9.62	44.70	74.00	-29.30	peak	
2	*	4924.000	41.26	-9.62	31.64	54.00	-22.36	AVG	

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

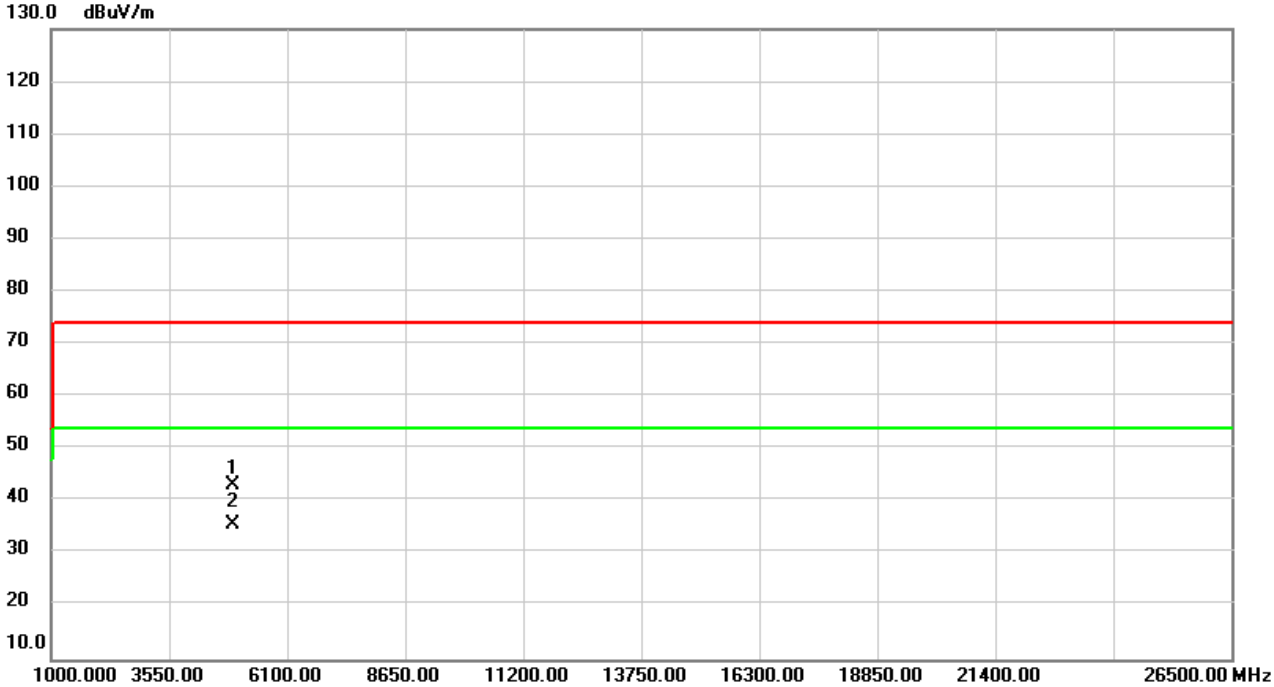
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	52.50	-9.59	42.91	74.00	-31.09	peak	
2	*	4934.000	46.26	-9.59	36.67	54.00	-17.33	AVG	

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

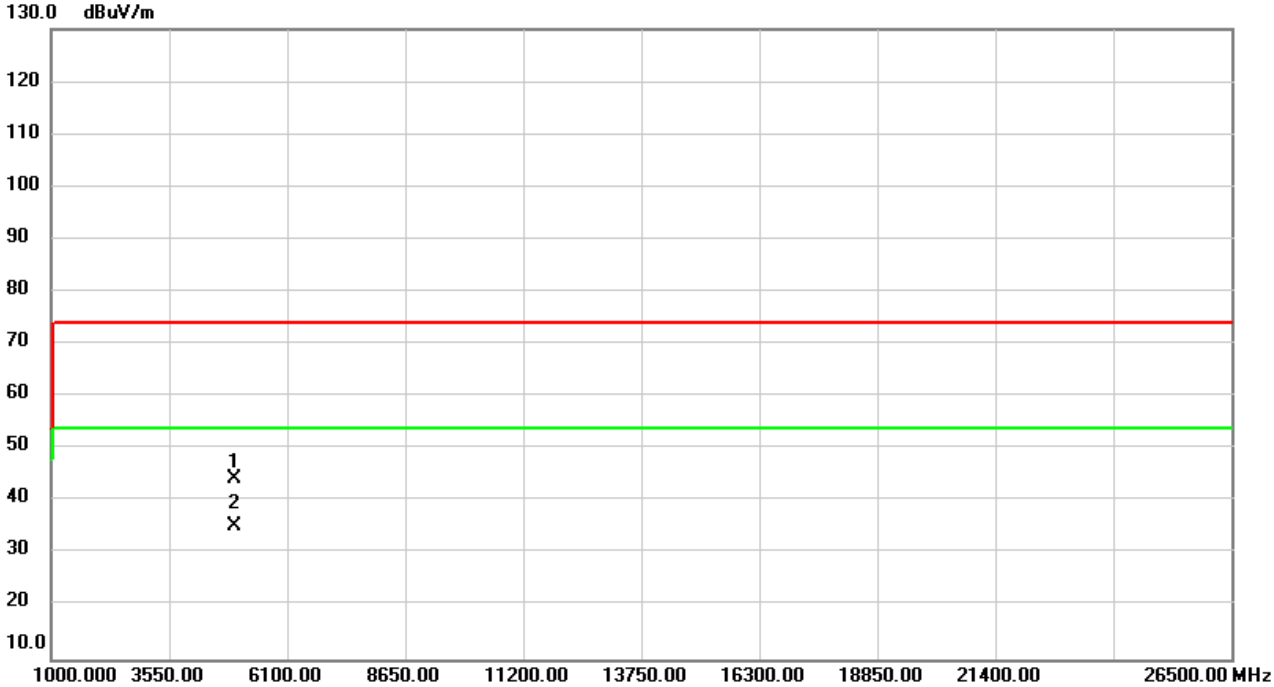
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	52.86	-9.59	43.27	74.00	-30.73	peak	
2	*	4934.000	45.14	-9.59	35.55	54.00	-18.45	AVG	

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

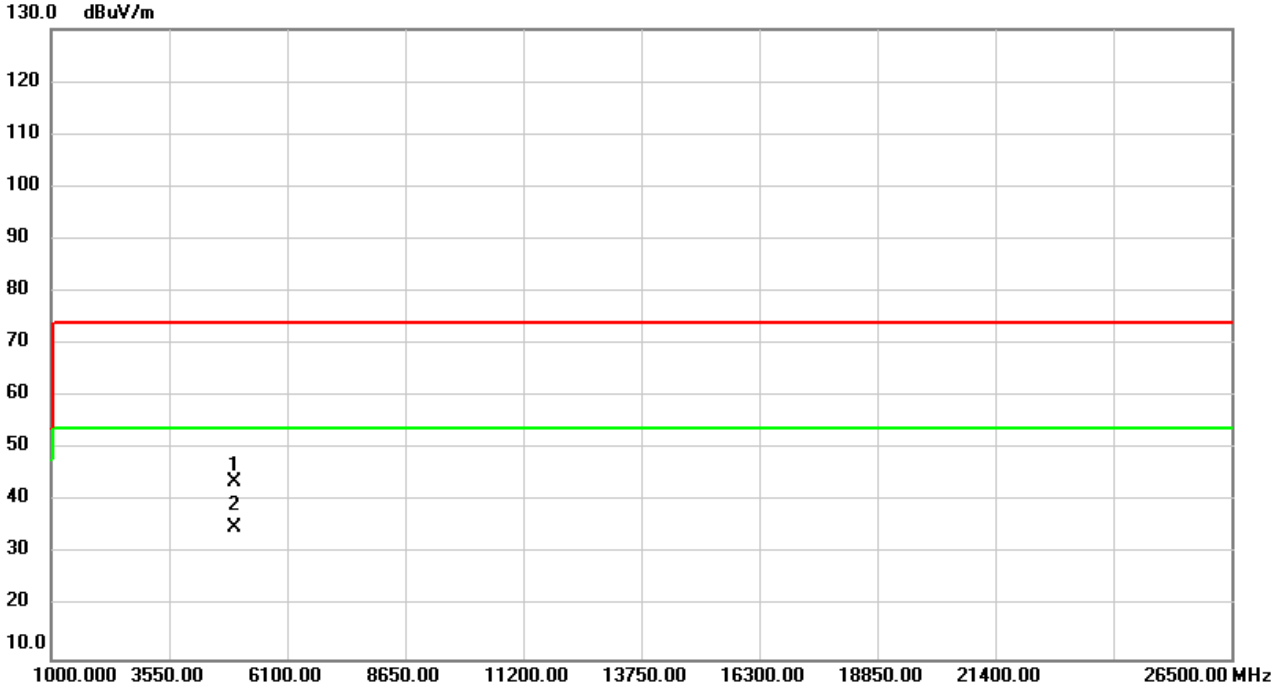
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.81	-9.55	44.26	74.00	-29.74	peak	
2	*	4944.000	44.82	-9.55	35.27	54.00	-18.73	AVG	

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

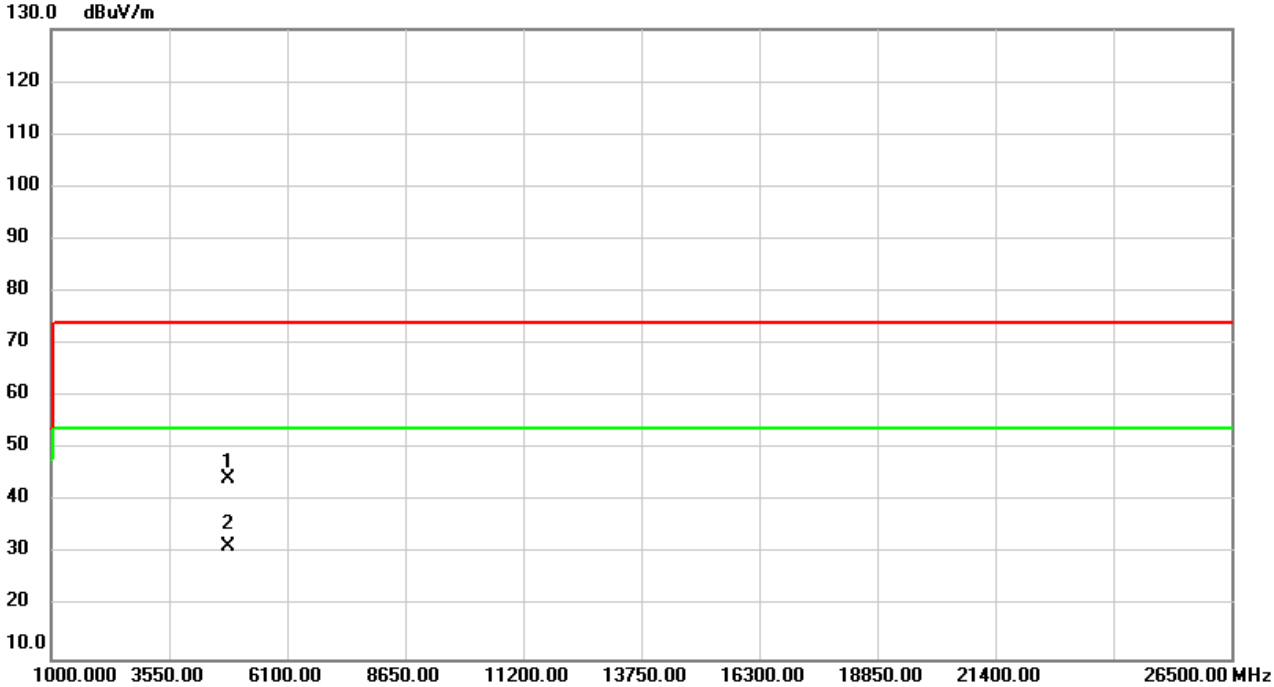
Test Mode	IEEE802.11b	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.35	-9.55	43.80	74.00	-30.20	peak	
2	*	4944.000	44.49	-9.55	34.94	54.00	-19.06	AVG	

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

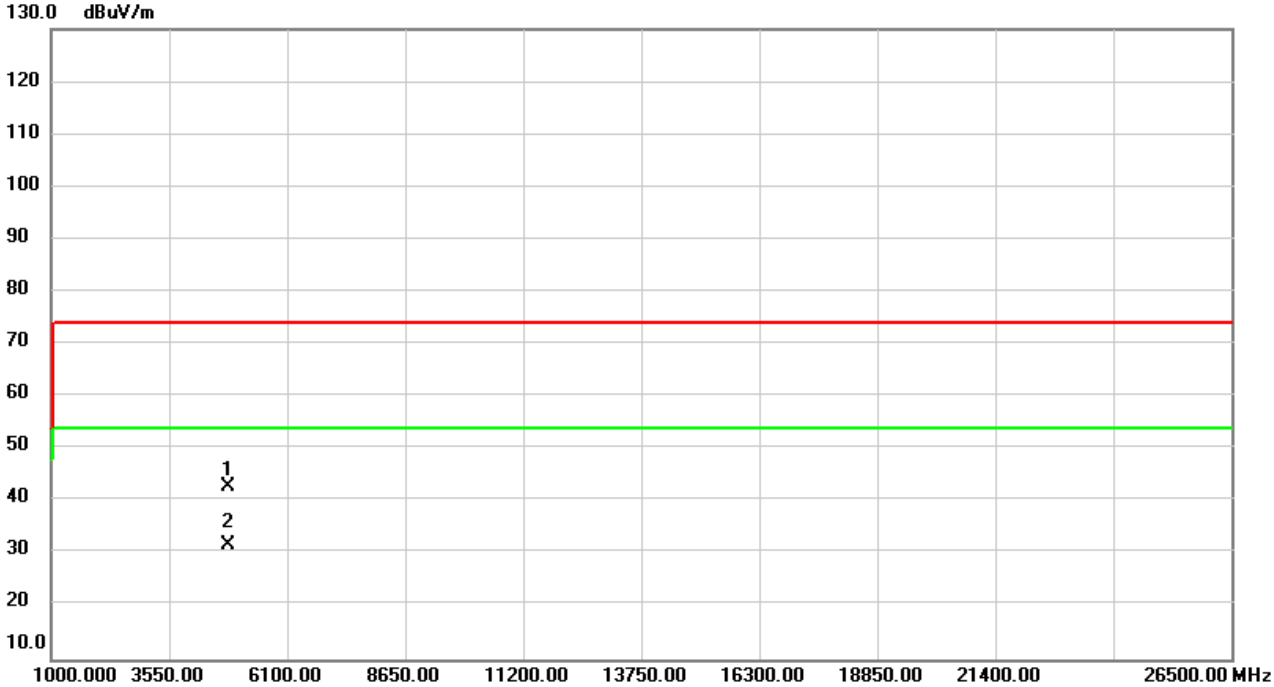
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.21	-9.96	44.25	74.00	-29.75	peak	
2	*	4824.000	41.52	-9.96	31.56	54.00	-22.44	AVG	

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

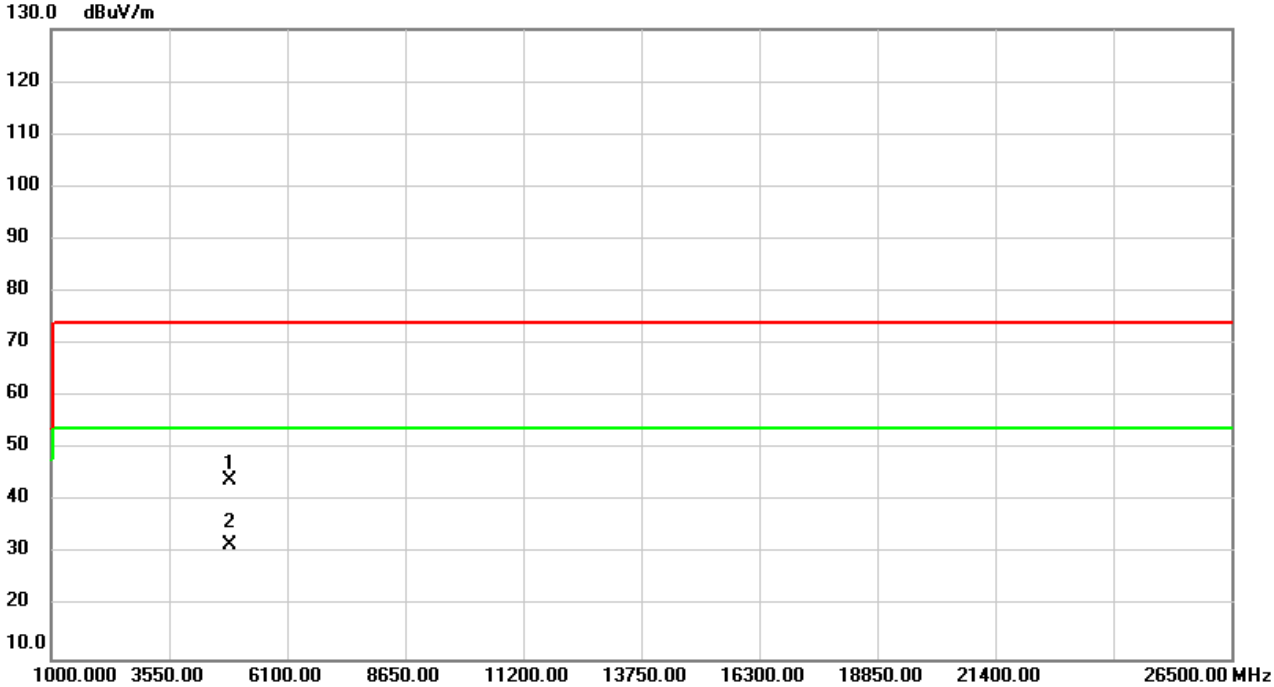
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.93	-9.96	42.97	74.00	-31.03	peak	
2	*	4824.000	41.73	-9.96	31.77	54.00	-22.23	AVG	

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

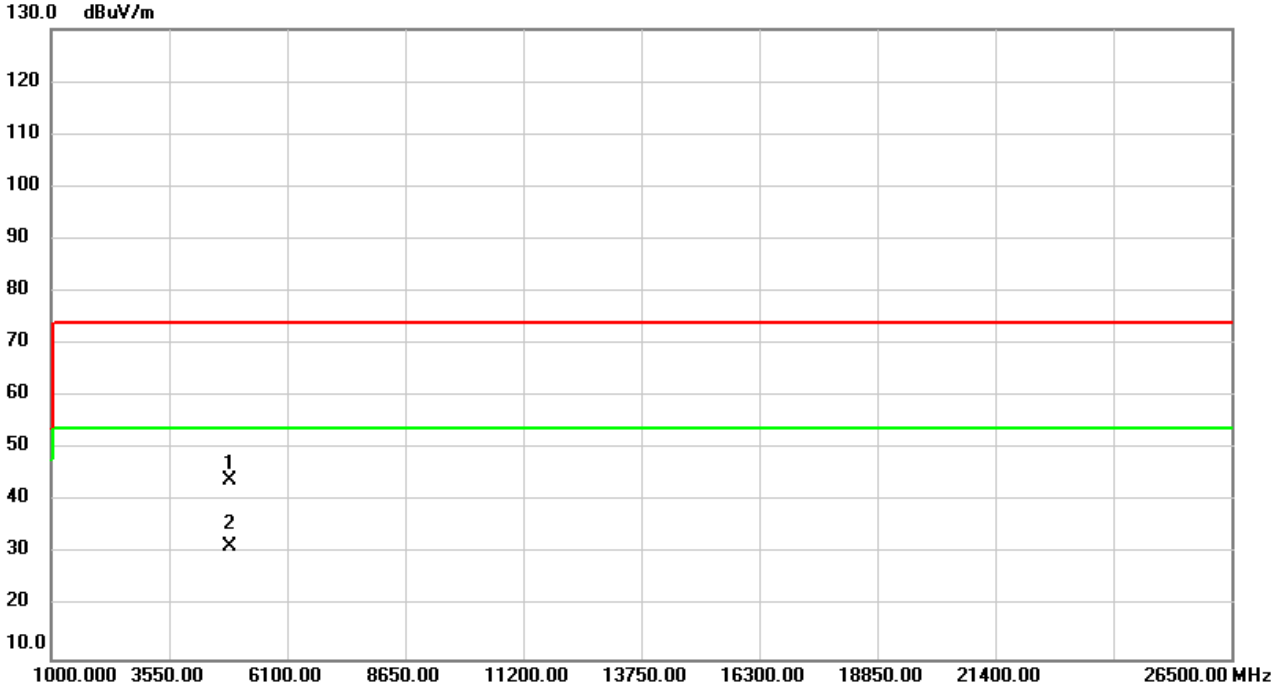
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.70	-9.79	43.91	74.00	-30.09	peak	
2	*	4874.000	41.63	-9.79	31.84	54.00	-22.16	AVG	

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

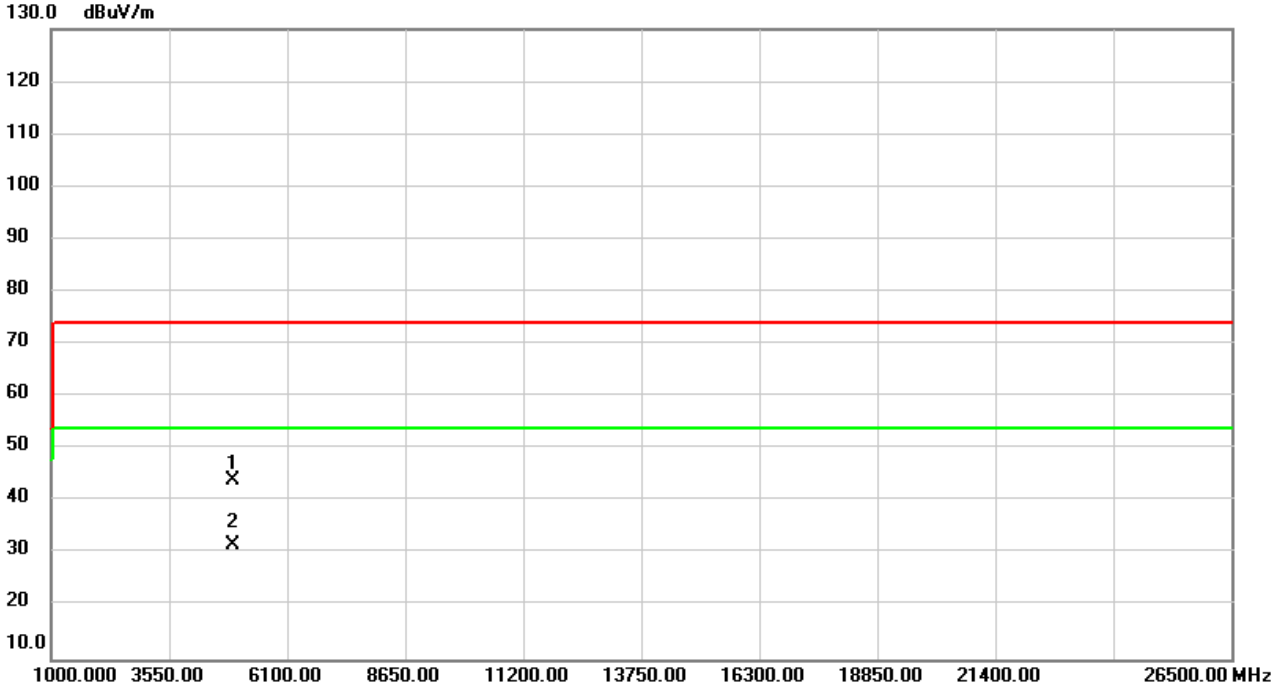
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2437MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.82	-9.79	44.03	74.00	-29.97	peak	
2	*	4874.000	41.28	-9.79	31.49	54.00	-22.51	AVG	

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

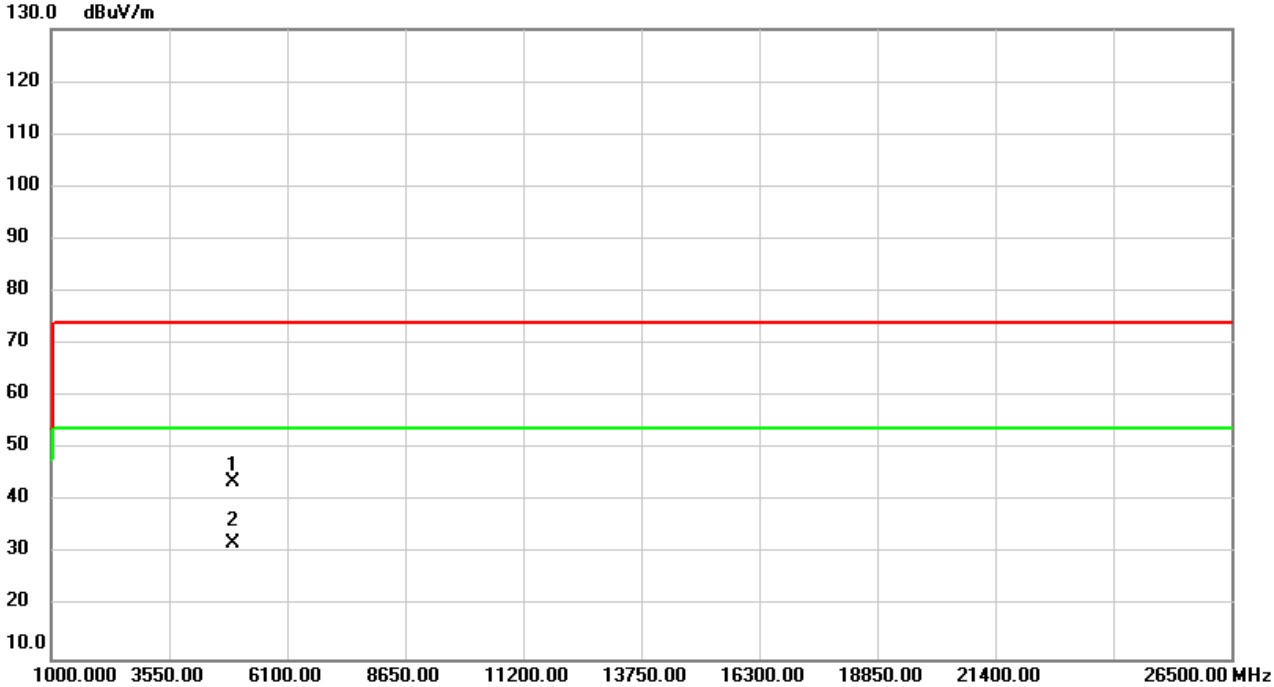
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.79	-9.62	44.17	74.00	-29.83	peak	
2	*	4924.000	41.35	-9.62	31.73	54.00	-22.27	AVG	

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

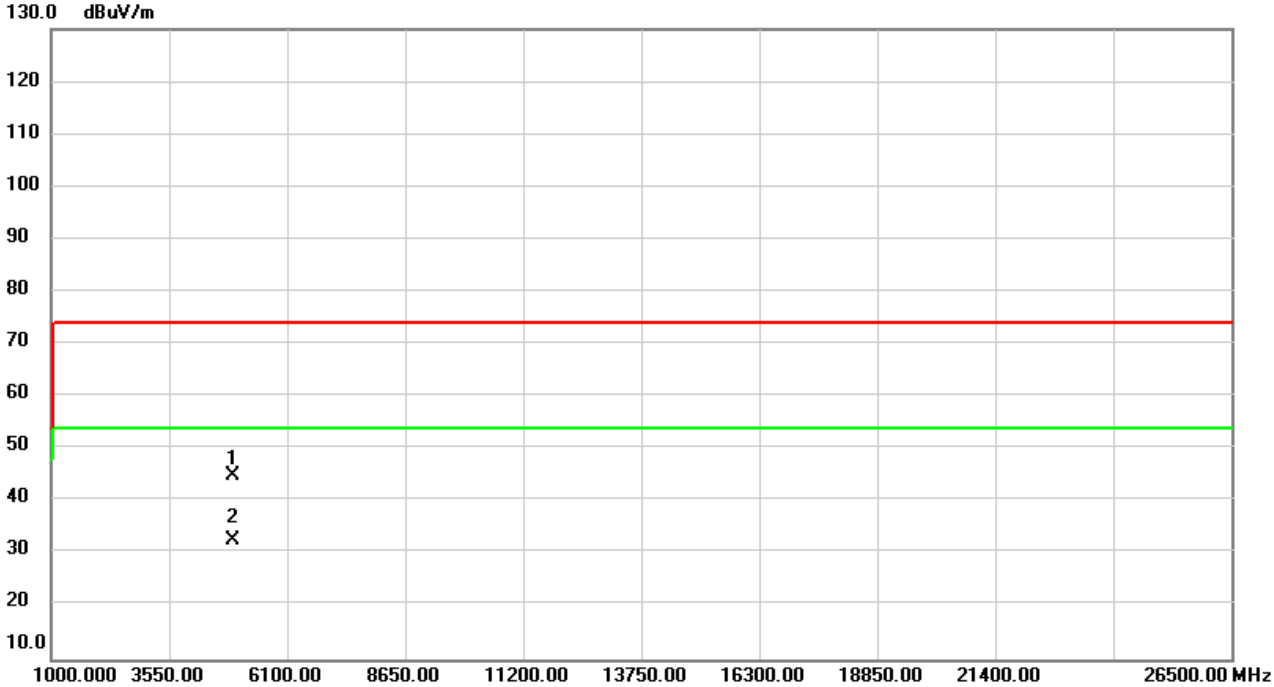
Test Mode	IEEE802.11g	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.37	-9.62	43.75	74.00	-30.25	peak	
2	*	4924.000	41.62	-9.62	32.00	54.00	-22.00	AVG	

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

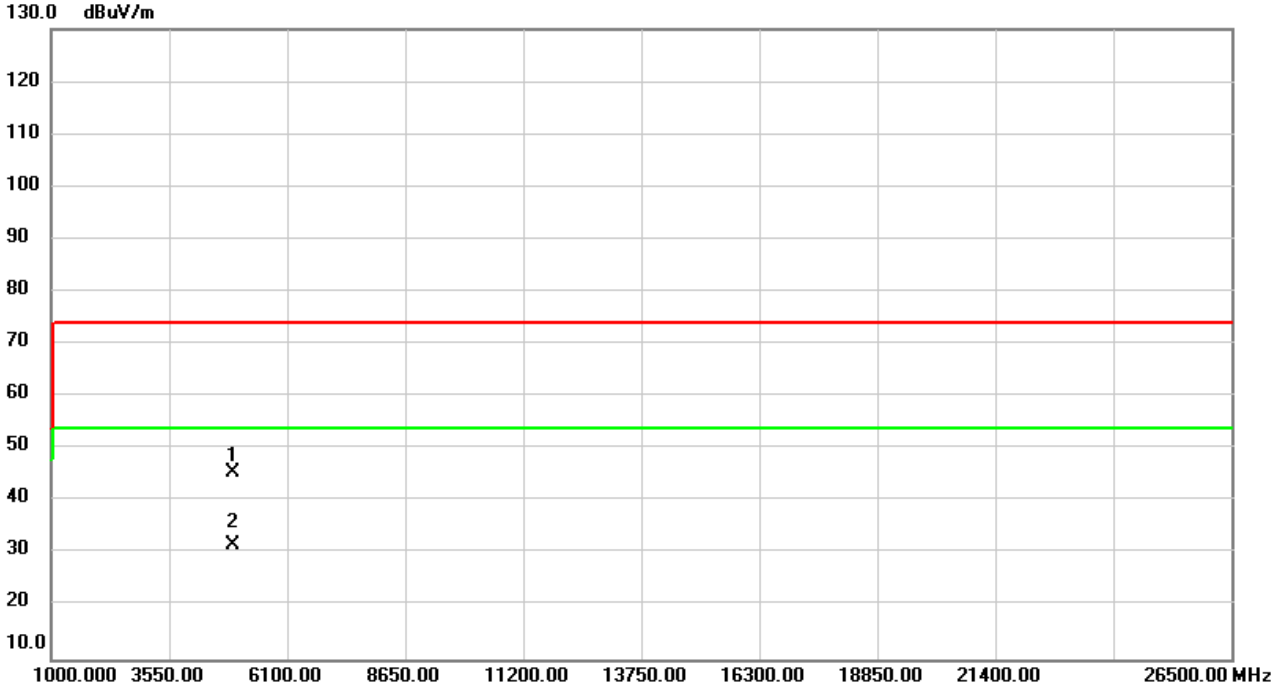
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.50	-9.59	44.91	74.00	-29.09	peak	
2	*	4934.000	42.37	-9.59	32.78	54.00	-21.22	AVG	

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

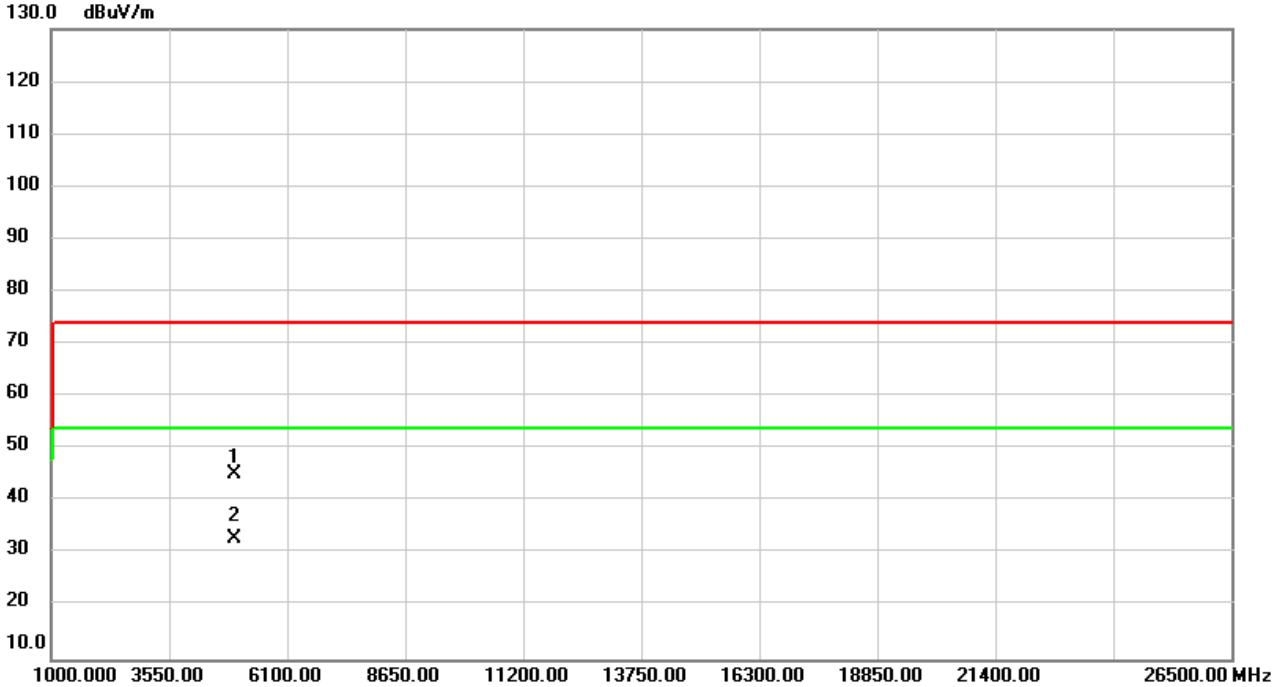
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.04	-9.59	45.45	74.00	-28.55	peak	
2	*	4934.000	41.23	-9.59	31.64	54.00	-22.36	AVG	

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

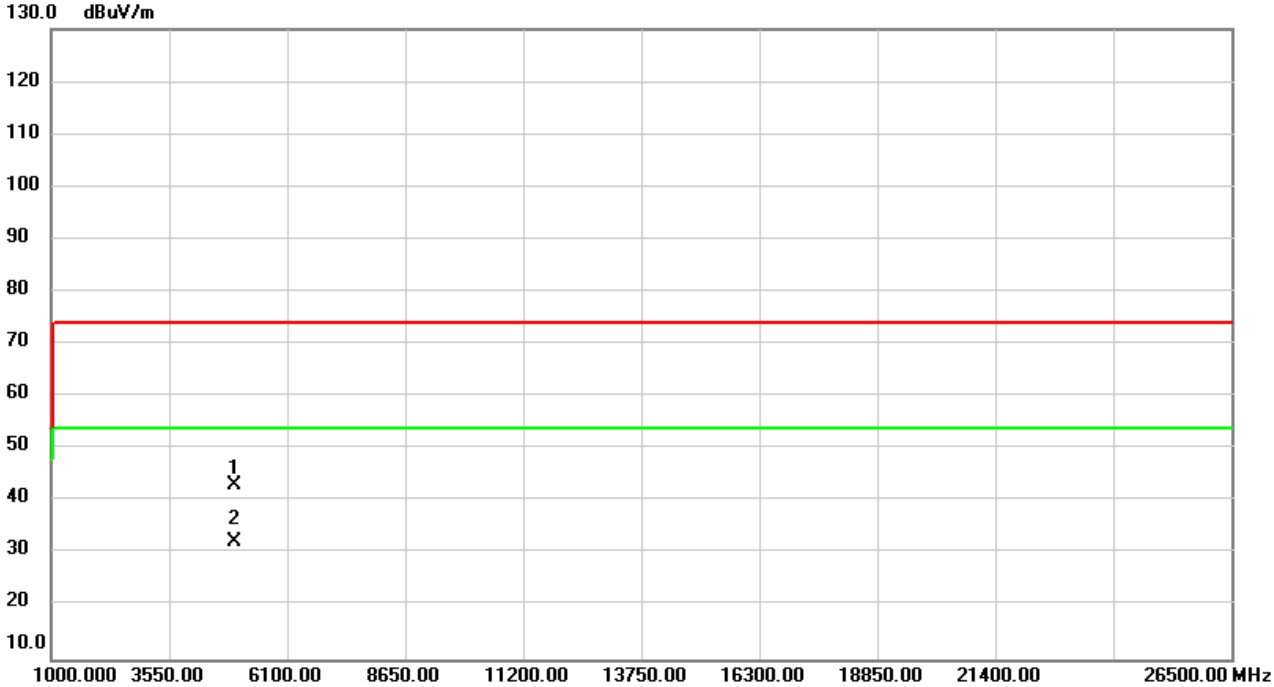
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.93	-9.55	45.38	74.00	-28.62	peak	
2	*	4944.000	42.59	-9.55	33.04	54.00	-20.96	AVG	

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

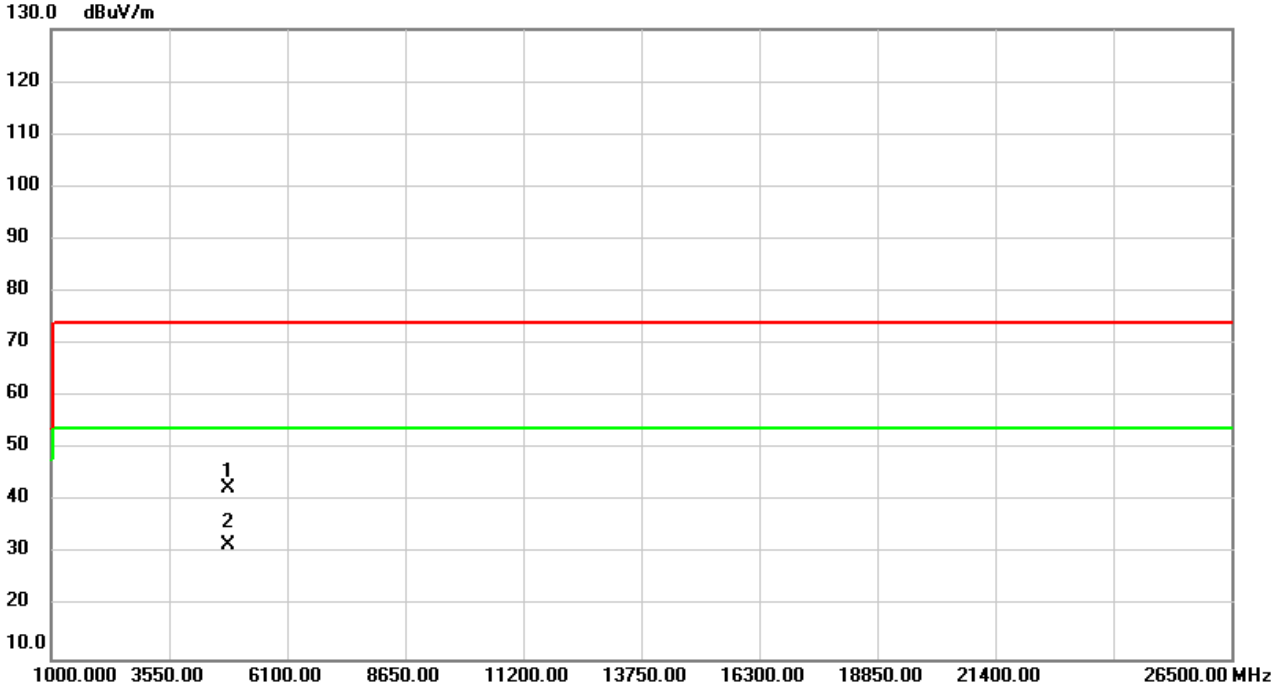
Test Mode	IEEE802.11g	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	52.72	-9.55	43.17	74.00	-30.83	peak	
2	*	4944.000	41.98	-9.55	32.43	54.00	-21.57	AVG	

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

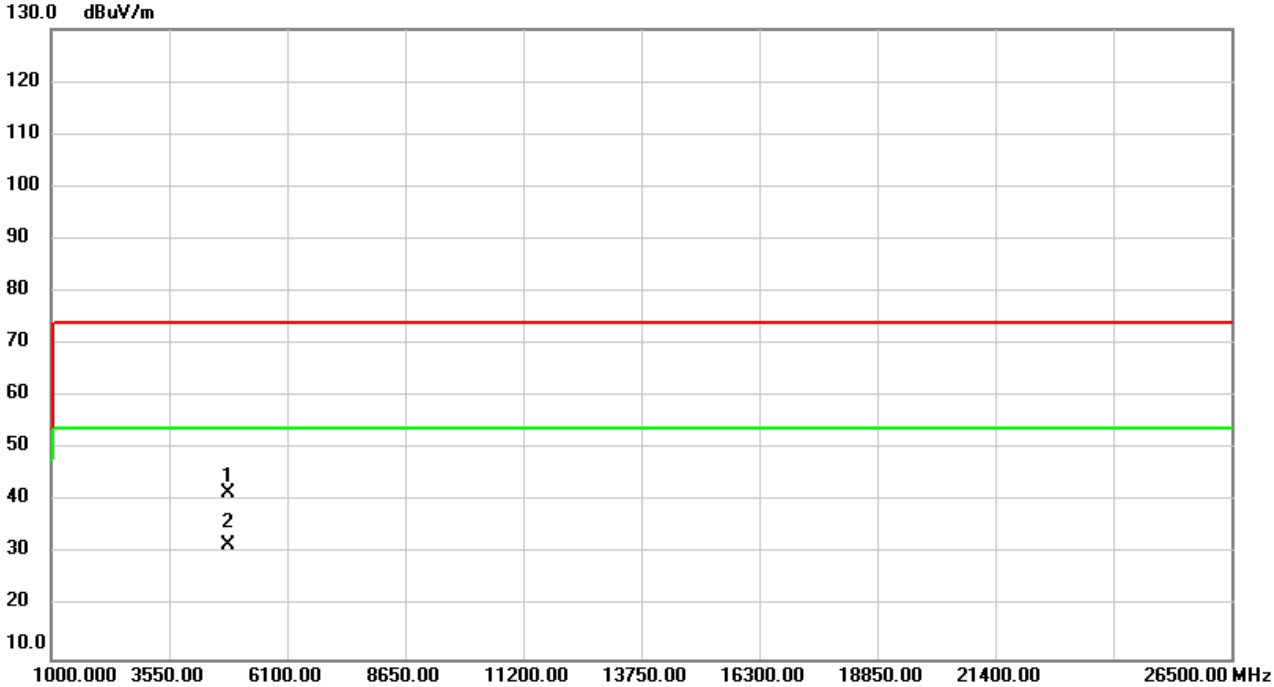
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.58	-9.96	42.62	74.00	-31.38	peak	
2	*	4824.000	41.74	-9.96	31.78	54.00	-22.22	AVG	

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

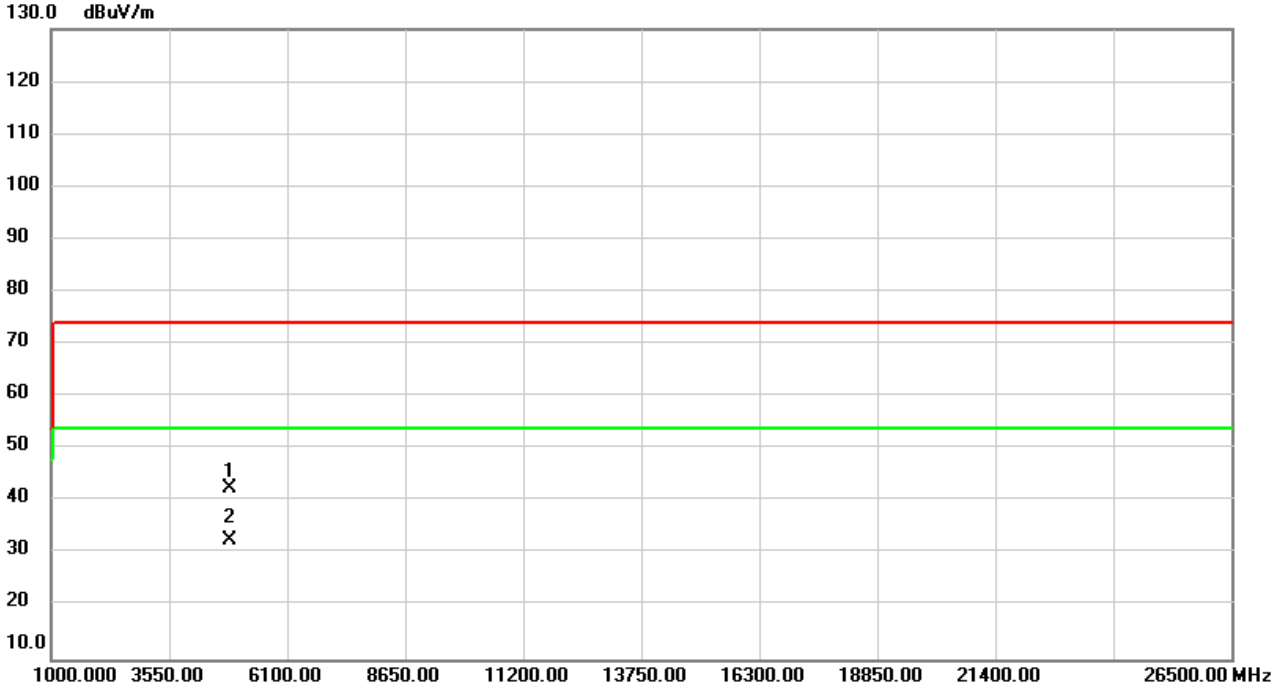
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2412MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	51.73	-9.96	41.77	74.00	-32.23	peak	
2	*	4824.000	41.58	-9.96	31.62	54.00	-22.38	AVG	

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

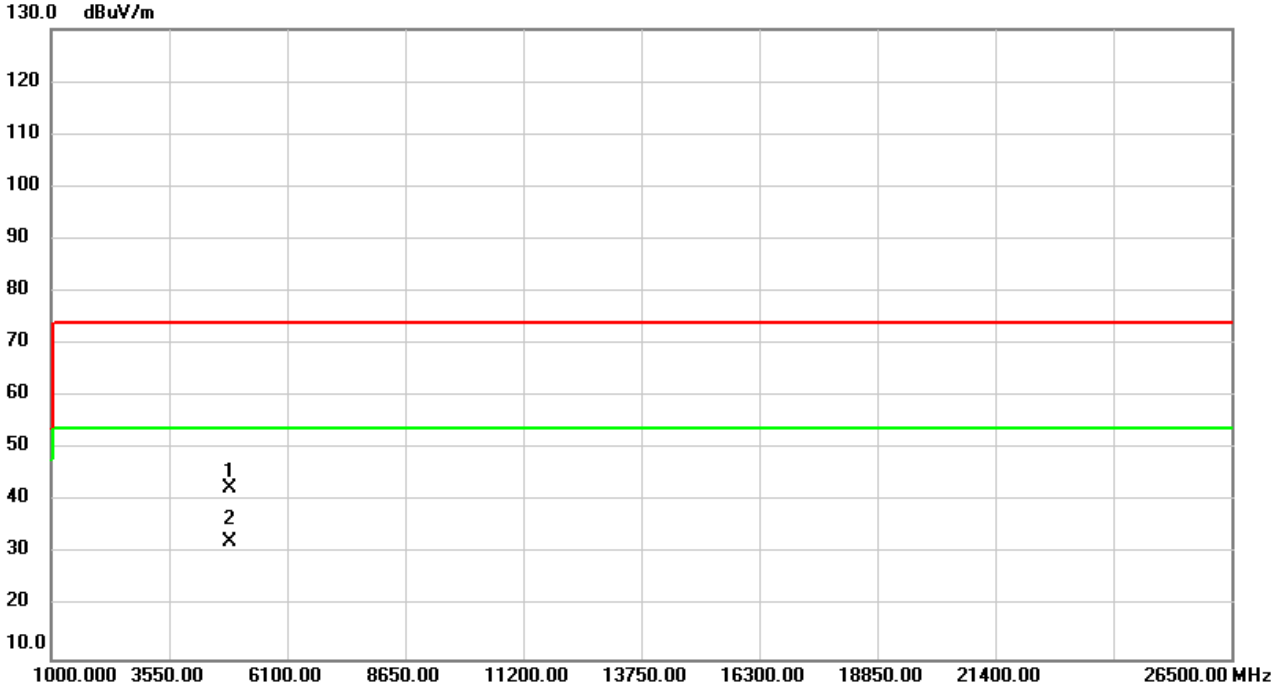
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	52.36	-9.79	42.57	74.00	-31.43	peak	
2	*	4874.000	42.32	-9.79	32.53	54.00	-21.47	AVG	

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

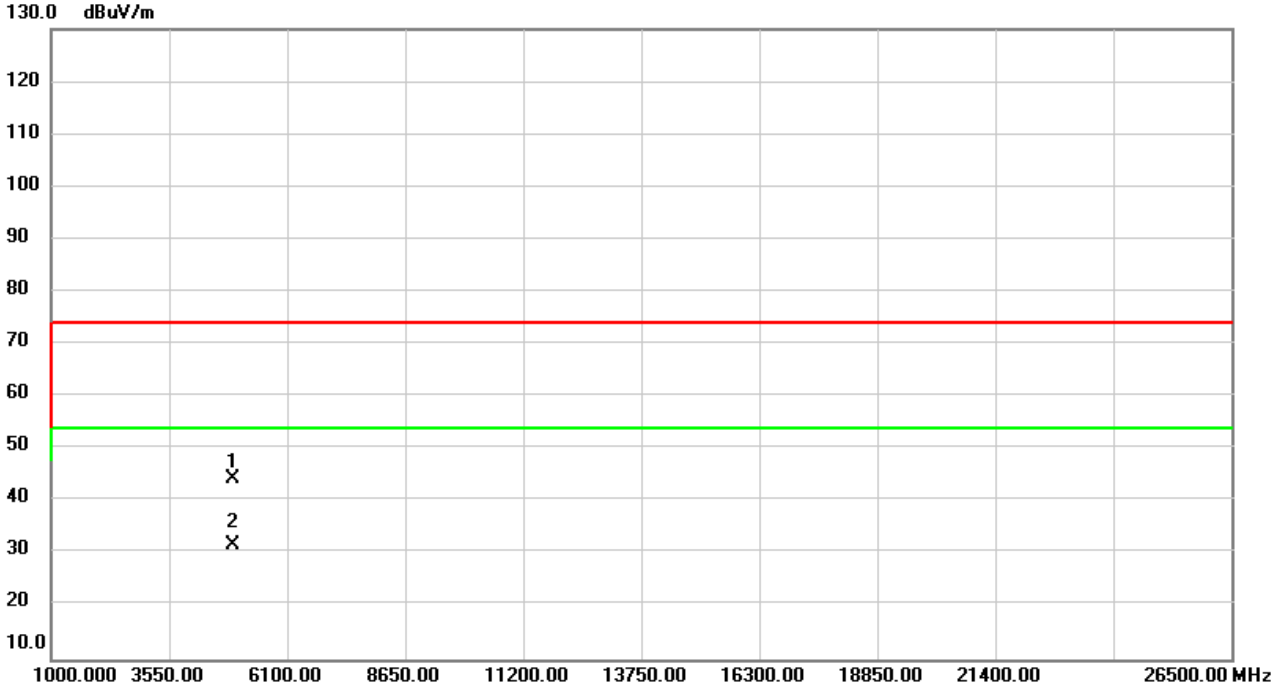
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	52.48	-9.79	42.69	74.00	-31.31	peak	
2	*	4874.000	42.07	-9.79	32.28	54.00	-21.72	AVG	

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

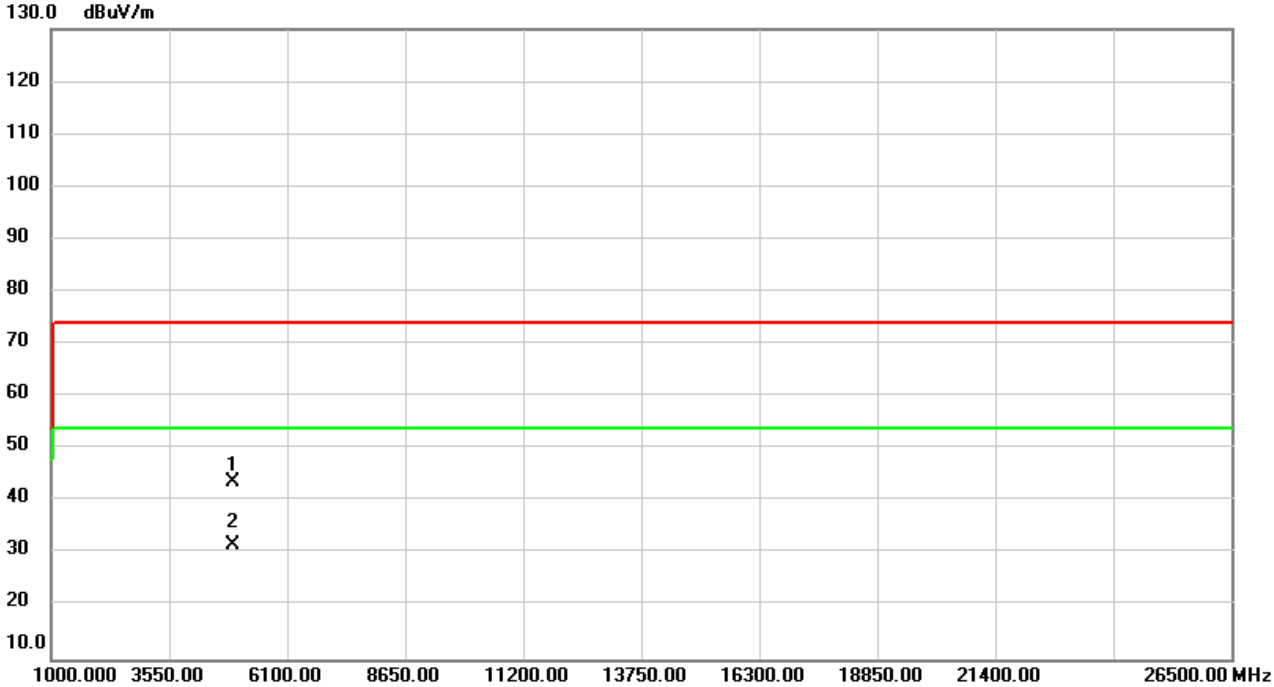
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.00	-9.62	44.38	74.00	-29.62	peak	
2	*	4924.000	41.29	-9.62	31.67	54.00	-22.33	AVG	

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

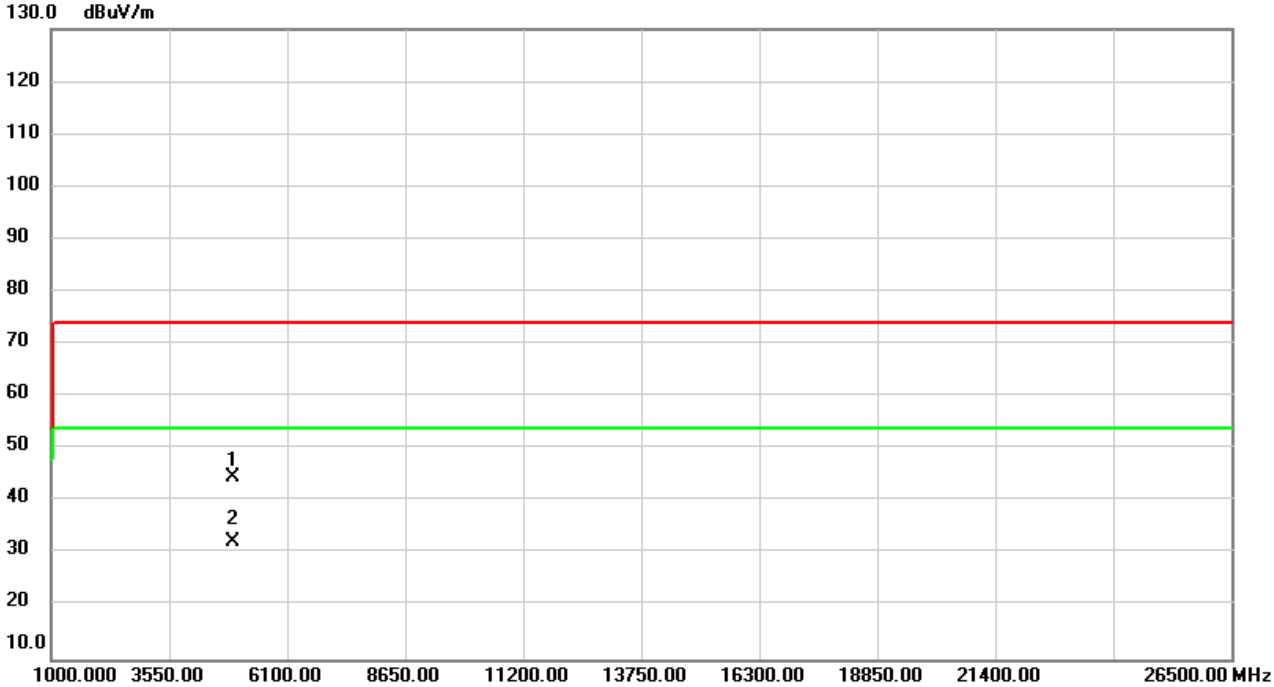
Test Mode	IEEE802.11n(HT20)	Test Date	2021/5/3
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.45	-9.62	43.83	74.00	-30.17	peak	
2	*	4924.000	41.46	-9.62	31.84	54.00	-22.16	AVG	

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

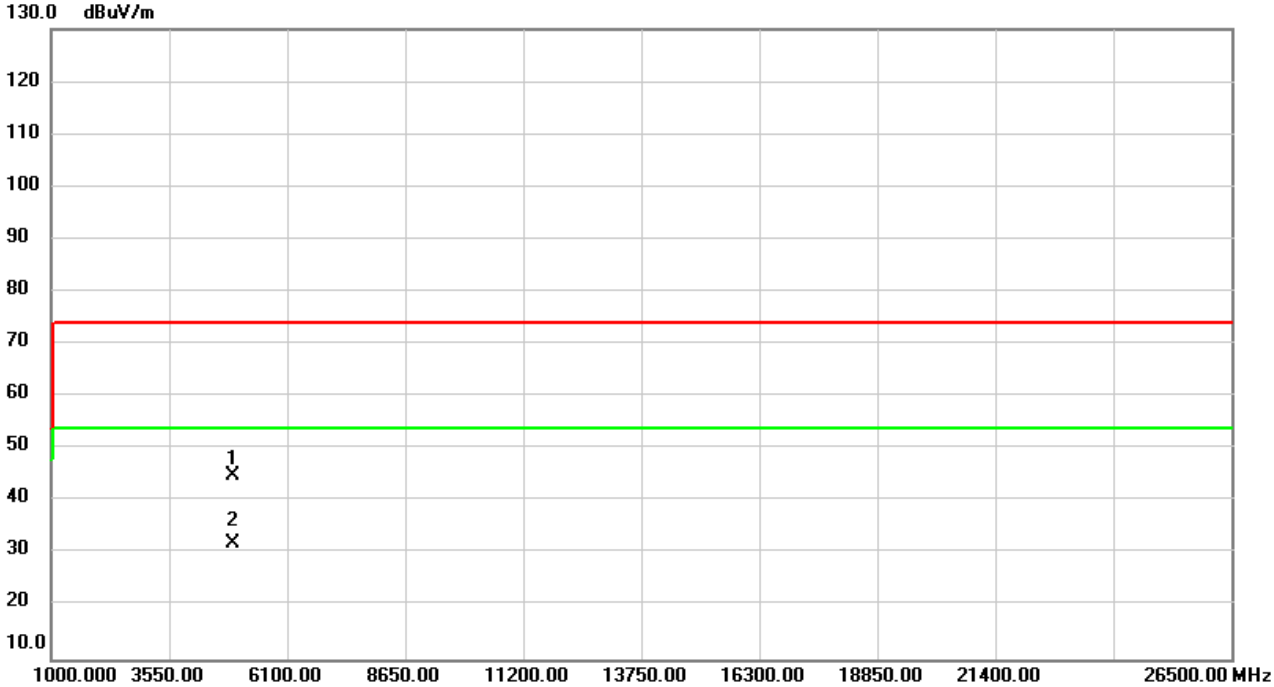
Test Mode	IEEE802.11n(HT20)	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.13	-9.59	44.54	74.00	-29.46	peak	
2	*	4934.000	42.02	-9.59	32.43	54.00	-21.57	AVG	

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

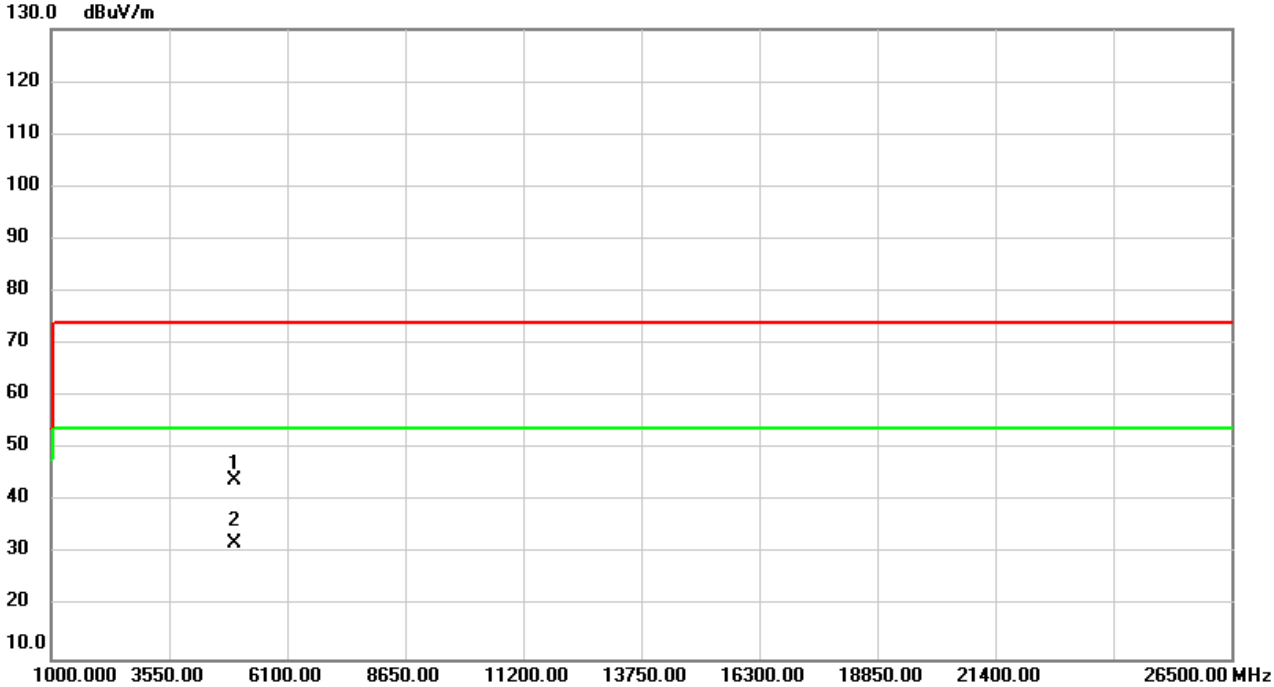
Test Mode	IEEE802.11n(HT20)	Test Date	2021/4/21
Test Frequency	2467MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.40	-9.59	44.81	74.00	-29.19	peak	
2	*	4934.000	41.77	-9.59	32.18	54.00	-21.82	AVG	

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

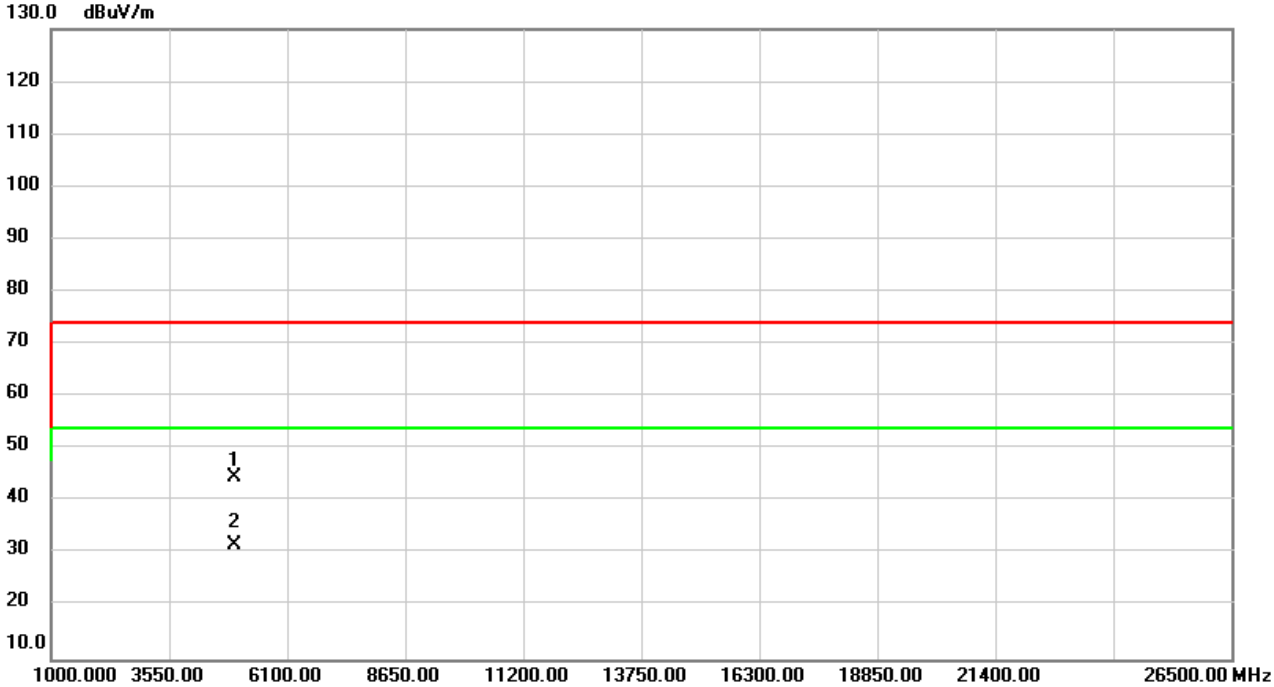
Test Mode	IEEE802.11n(HT20)	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.65	-9.55	44.10	74.00	-29.90	peak	
2	*	4944.000	41.59	-9.55	32.04	54.00	-21.96	AVG	

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

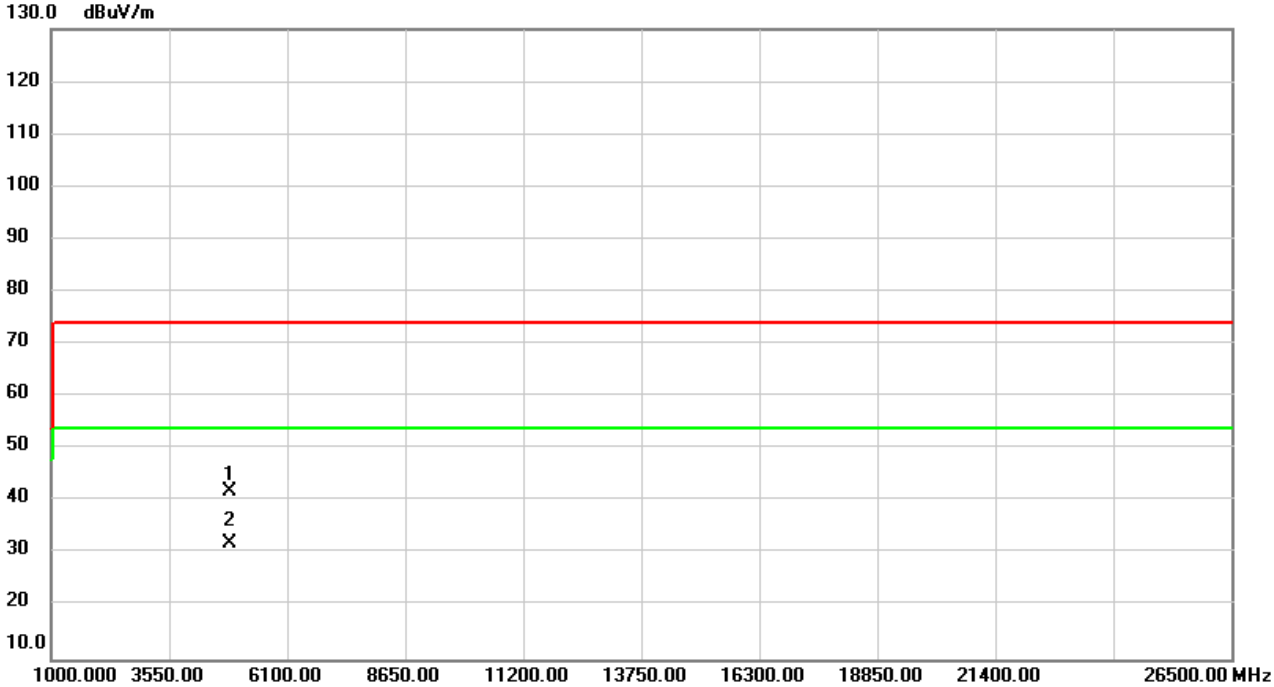
Test Mode	IEEE802.11n(HT20)	Test Date	2021/4/21
Test Frequency	2472MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.11	-9.55	44.56	74.00	-29.44	peak	
2	*	4944.000	41.44	-9.55	31.89	54.00	-22.11	AVG	

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

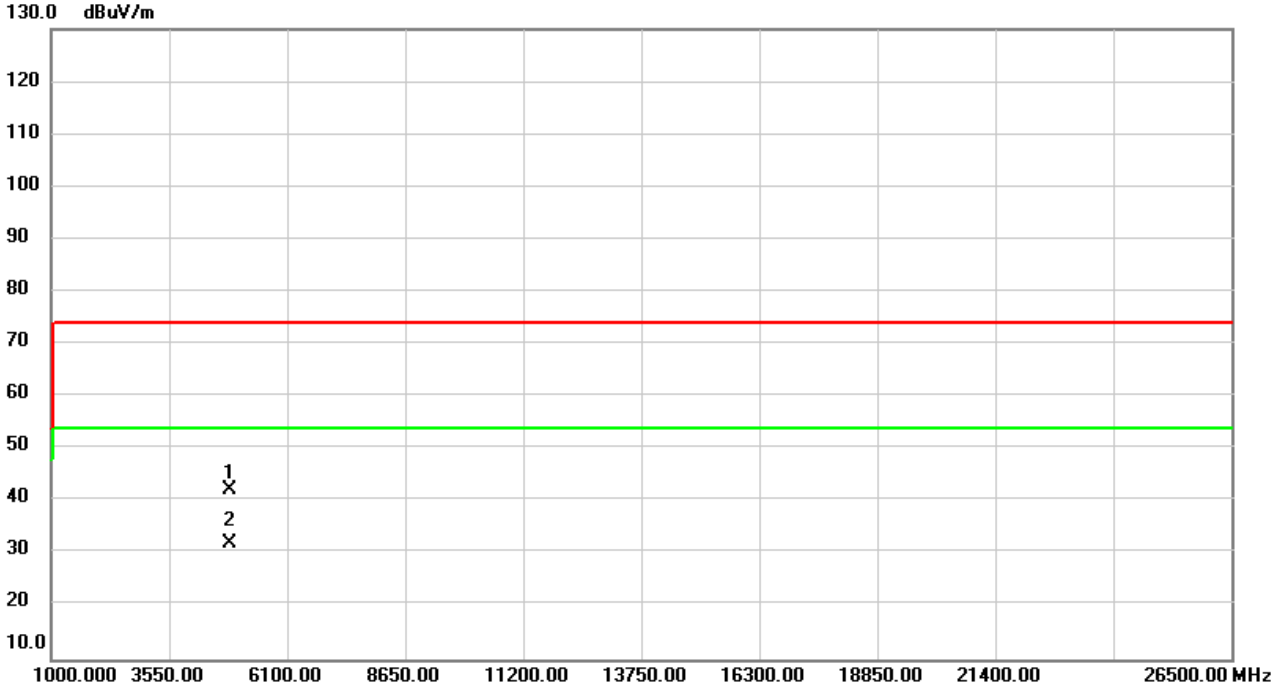
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2422MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	51.92	-9.89	42.03	74.00	-31.97	peak	
2	*	4844.000	41.91	-9.89	32.02	54.00	-21.98	AVG	

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

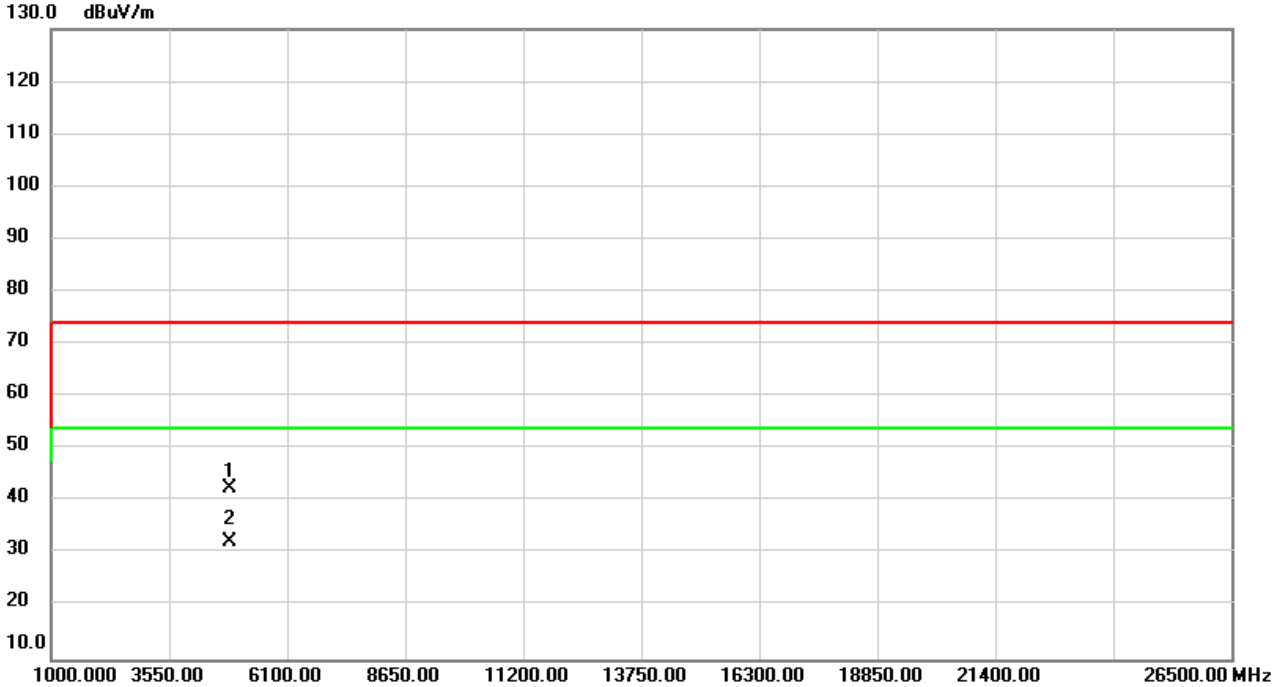
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2422MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.24	-9.89	42.35	74.00	-31.65	peak	
2	*	4844.000	41.82	-9.89	31.93	54.00	-22.07	AVG	

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

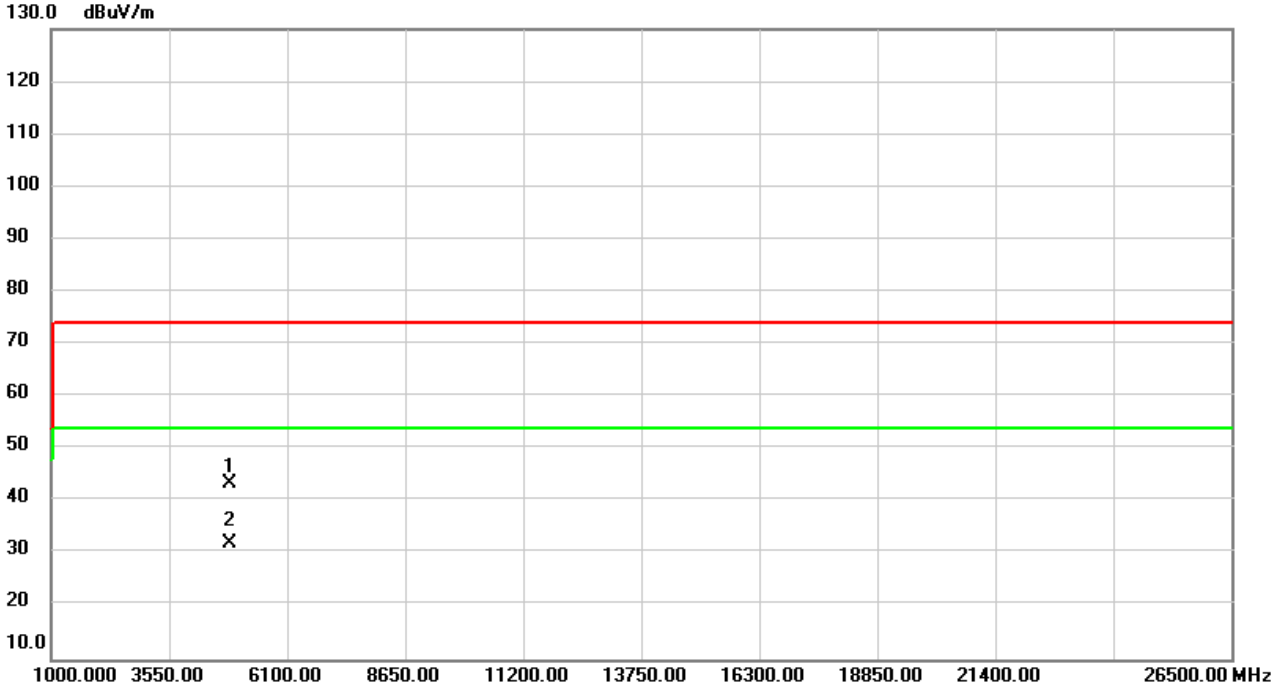
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	52.27	-9.79	42.48	74.00	-31.52	peak	
2	*	4874.000	42.21	-9.79	32.42	54.00	-21.58	AVG	

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

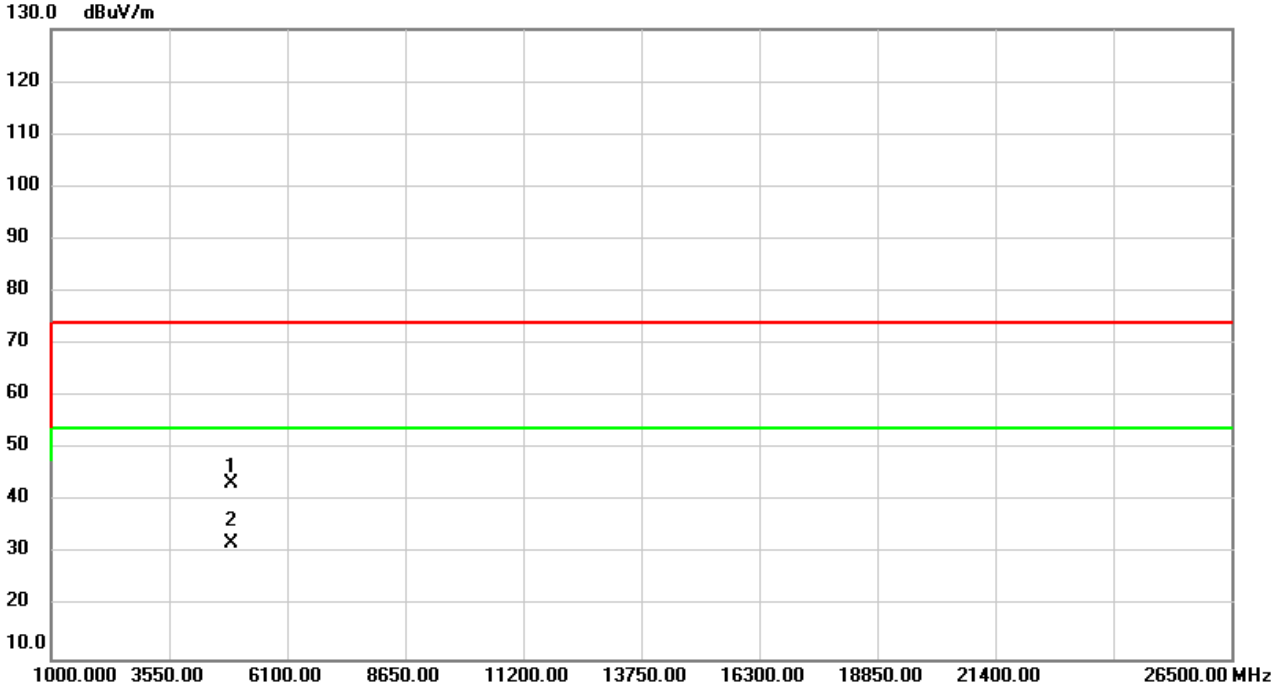
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.11	-9.79	43.32	74.00	-30.68	peak	
2	*	4874.000	41.86	-9.79	32.07	54.00	-21.93	AVG	

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

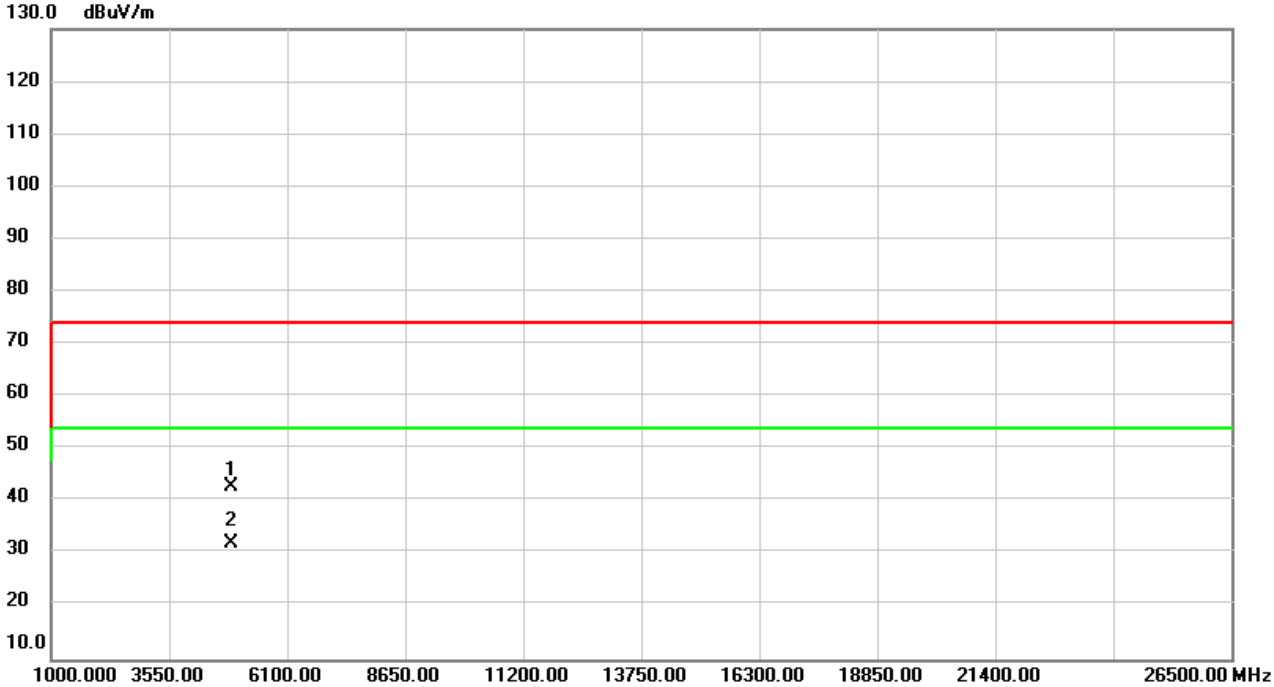
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2452MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	53.08	-9.69	43.39	74.00	-30.61	peak	
2	*	4904.000	41.68	-9.69	31.99	54.00	-22.01	AVG	

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

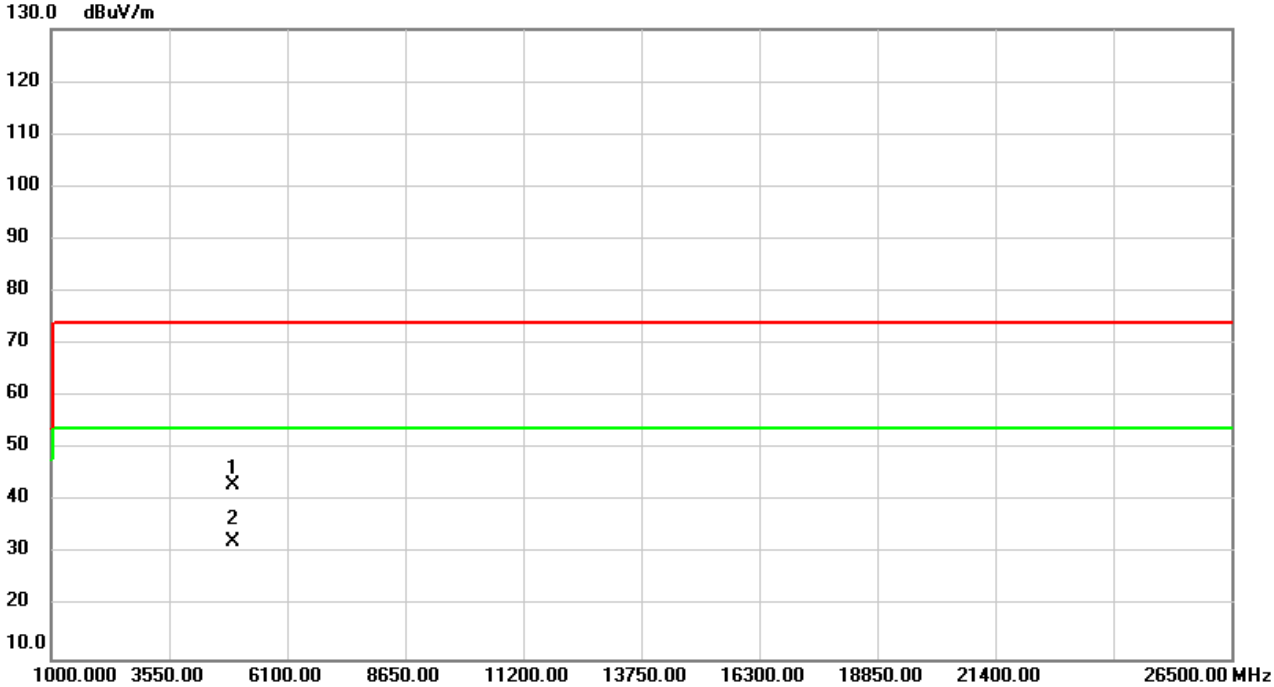
Test Mode	IEEE802.11n(HT40)	Test Date	2021/5/3
Test Frequency	2452MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	52.55	-9.69	42.86	74.00	-31.14	peak	
2	*	4904.000	41.87	-9.69	32.18	54.00	-21.82	AVG	

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

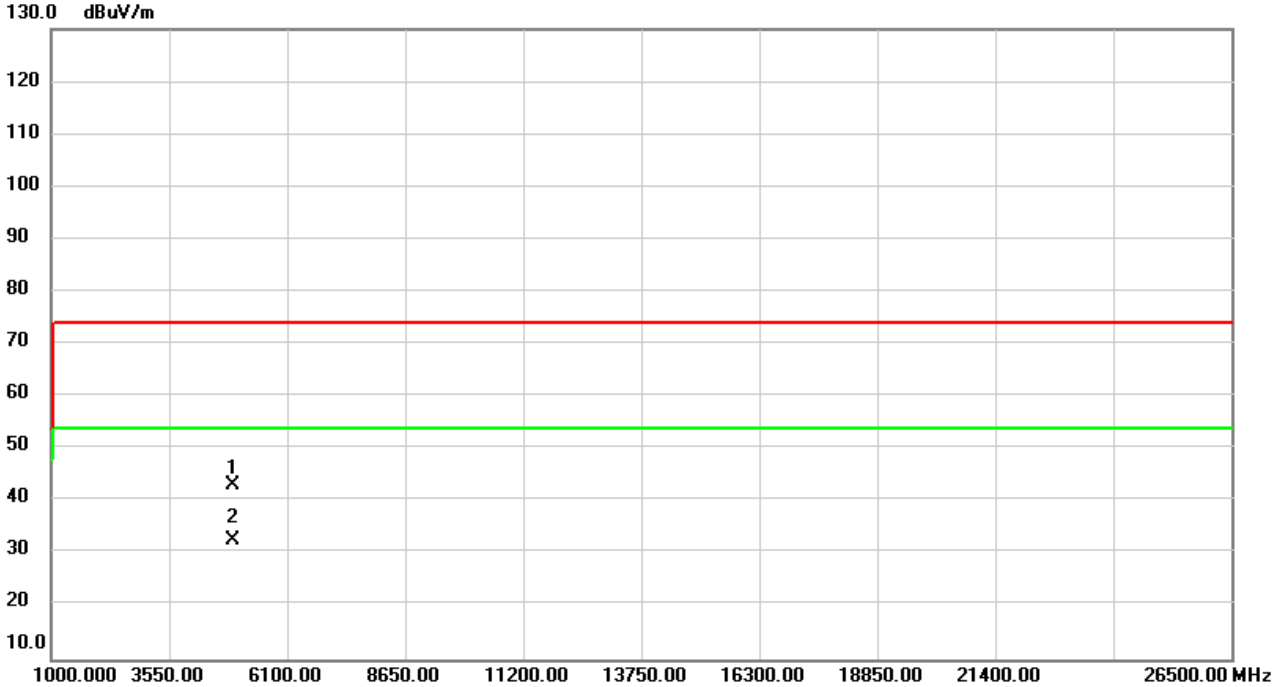
Test Mode	IEEE802.11n(HT40)	Test Date	2021/4/21
Test Frequency	2457MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	52.79	-9.65	43.14	74.00	-30.86	peak	
2	*	4914.000	41.89	-9.65	32.24	54.00	-21.76	AVG	

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

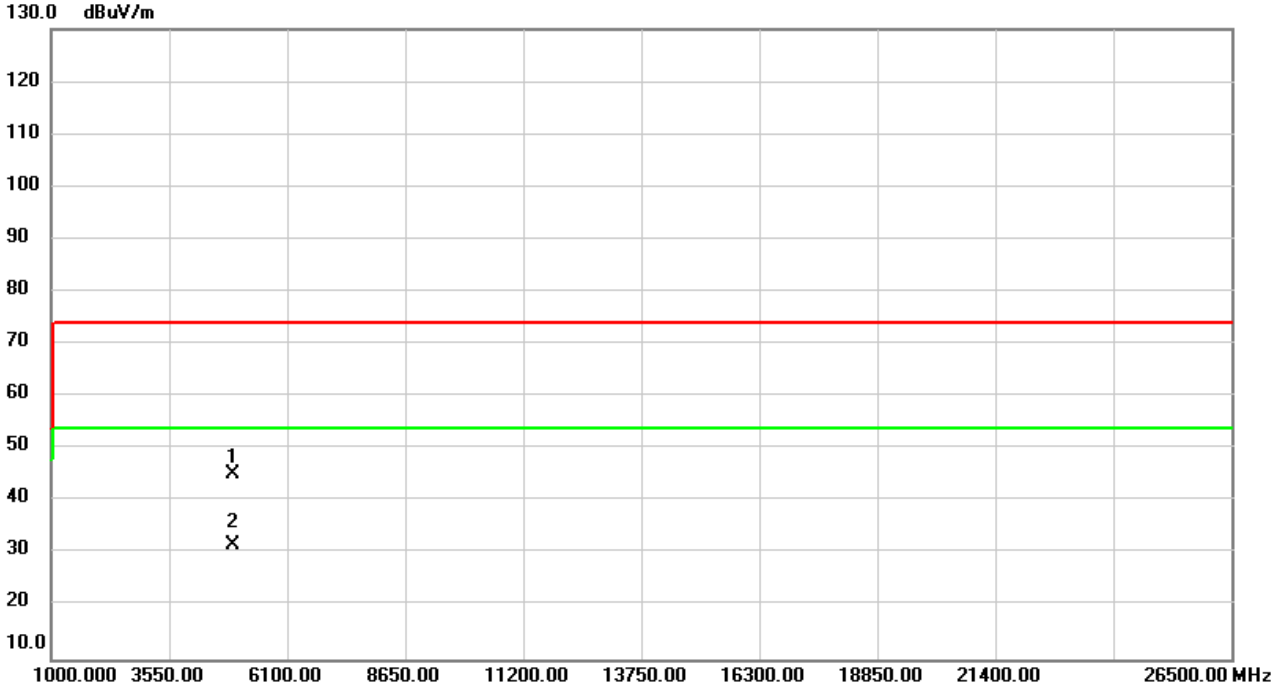
Test Mode	IEEE802.11n(HT40)	Test Date	2021/4/21
Test Frequency	2457MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	52.68	-9.65	43.03	74.00	-30.97	peak	
2	*	4914.000	42.33	-9.65	32.68	54.00	-21.32	AVG	

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

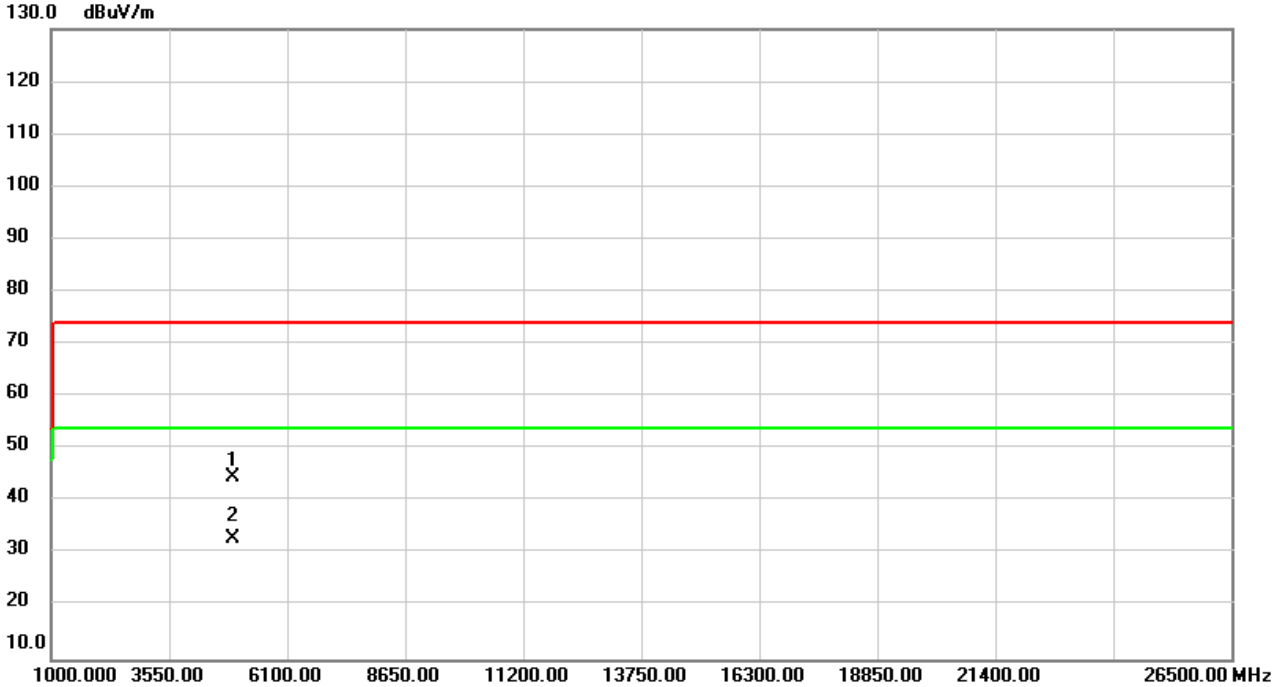
Test Mode	IEEE802.11n(HT40)	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.81	-9.62	45.19	74.00	-28.81	peak	
2	*	4924.000	41.26	-9.62	31.64	54.00	-22.36	AVG	

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

Test Mode	IEEE802.11n(HT40)	Test Date	2021/4/21
Test Frequency	2462MHz	Polarization	Horizontal
Temp	22°C	Hum.	61%



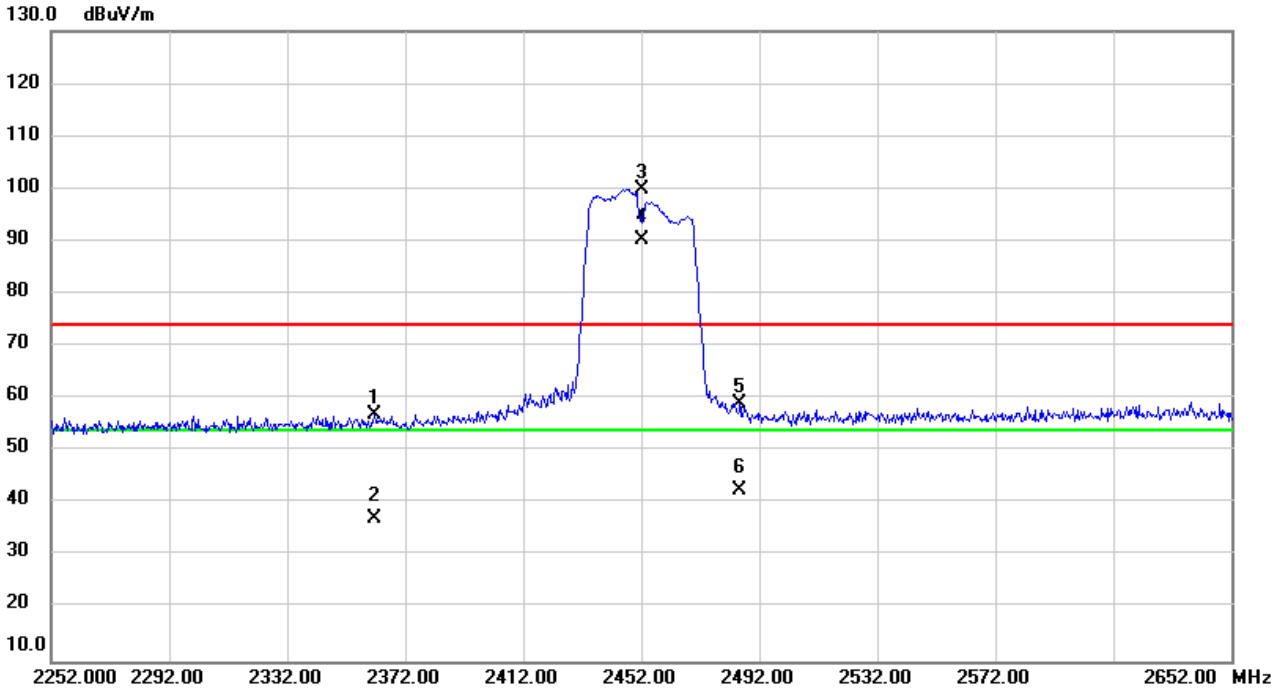
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.34	-9.62	44.72	74.00	-29.28	peak	
2	*	4924.000	42.51	-9.62	32.89	54.00	-21.11	AVG	

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

Spot check test:

For External Antenna:

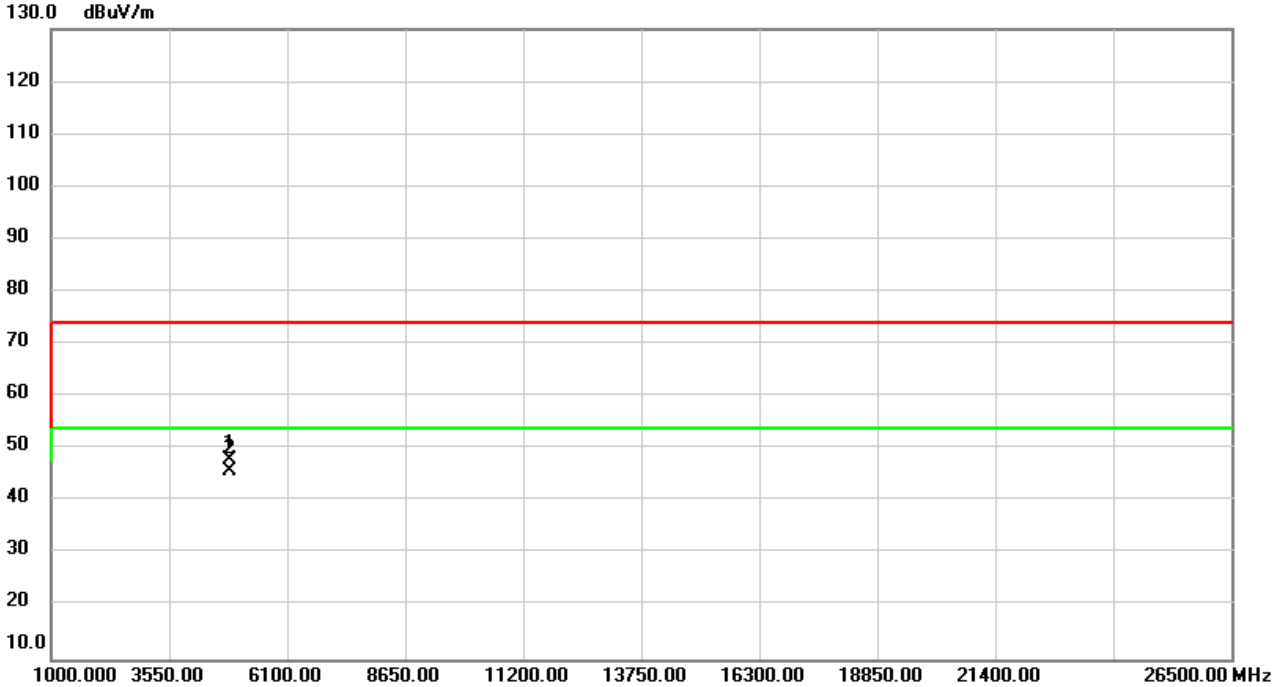
Test Mode	IEEE802.11n(HT40)	Test Date	2021/7/22
Test Frequency	2452MHz	Polarization	Horizontal
Temp	23°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2361.520	25.79	31.12	56.91	74.00	-17.09	peak	
2		2361.520	6.17	31.12	37.29	54.00	-16.71	AVG	
3	X	2452.000	68.53	31.42	99.95	74.00	25.95	peak	NoLimit
4	*	2452.000	58.94	31.42	90.36	54.00	36.36	AVG	NoLimit
5		2485.280	27.57	31.52	59.09	74.00	-14.91	peak	
6		2485.280	10.92	31.52	42.44	54.00	-11.56	AVG	

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

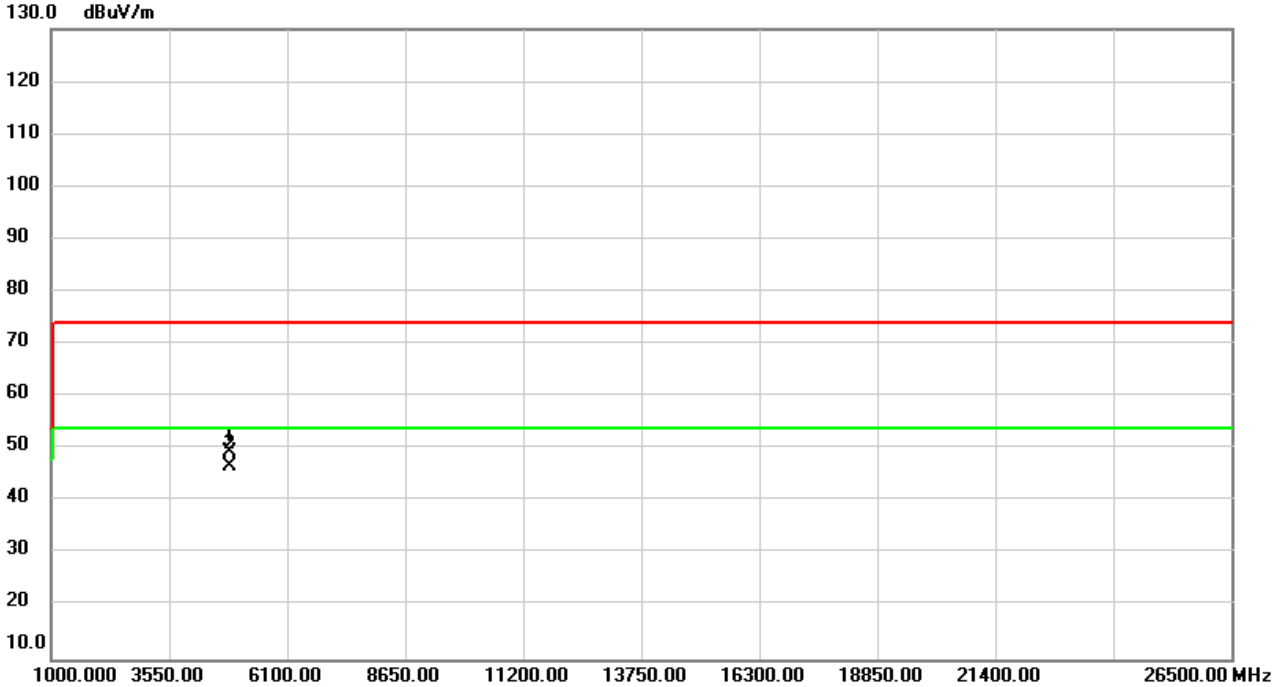
Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	57.83	-9.78	48.05	74.00	-25.95	peak	
2	*	4874.000	55.67	-9.78	45.89	54.00	-8.11	AVG	

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

Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	55%

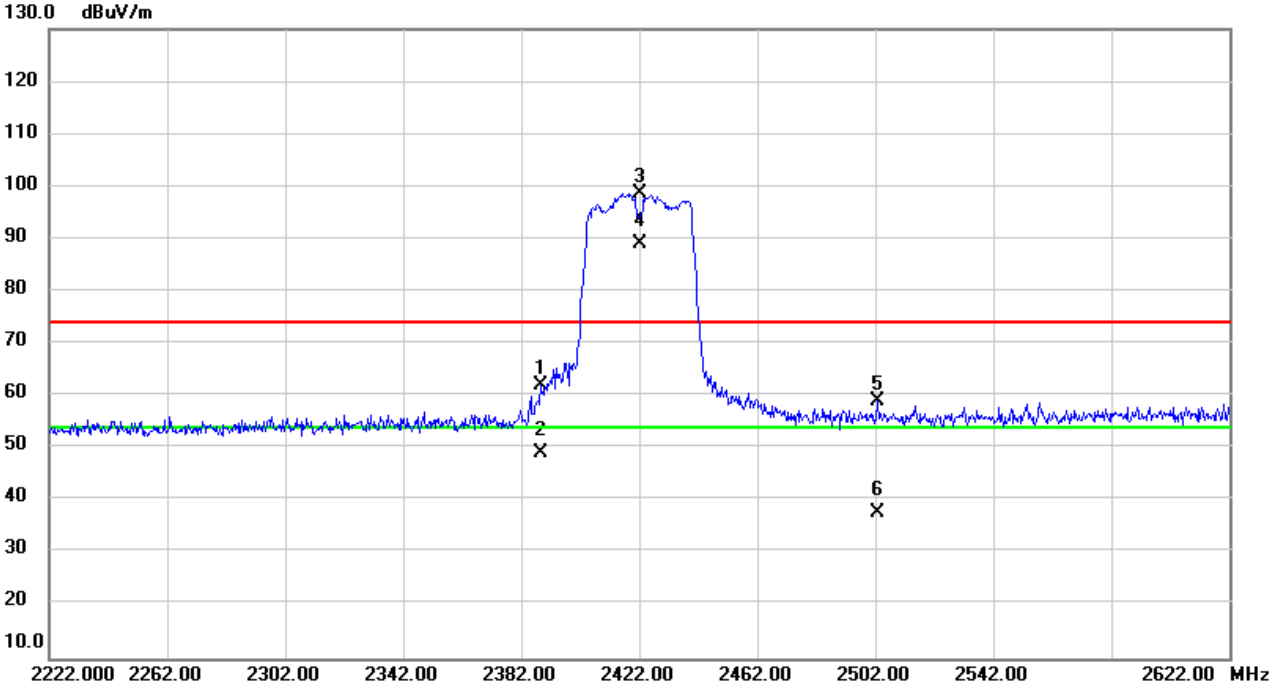


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	59.31	-9.78	49.53	74.00	-24.47	peak	
2	*	4874.000	56.65	-9.78	46.87	54.00	-7.13	AVG	

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

For Stubby Antenna:

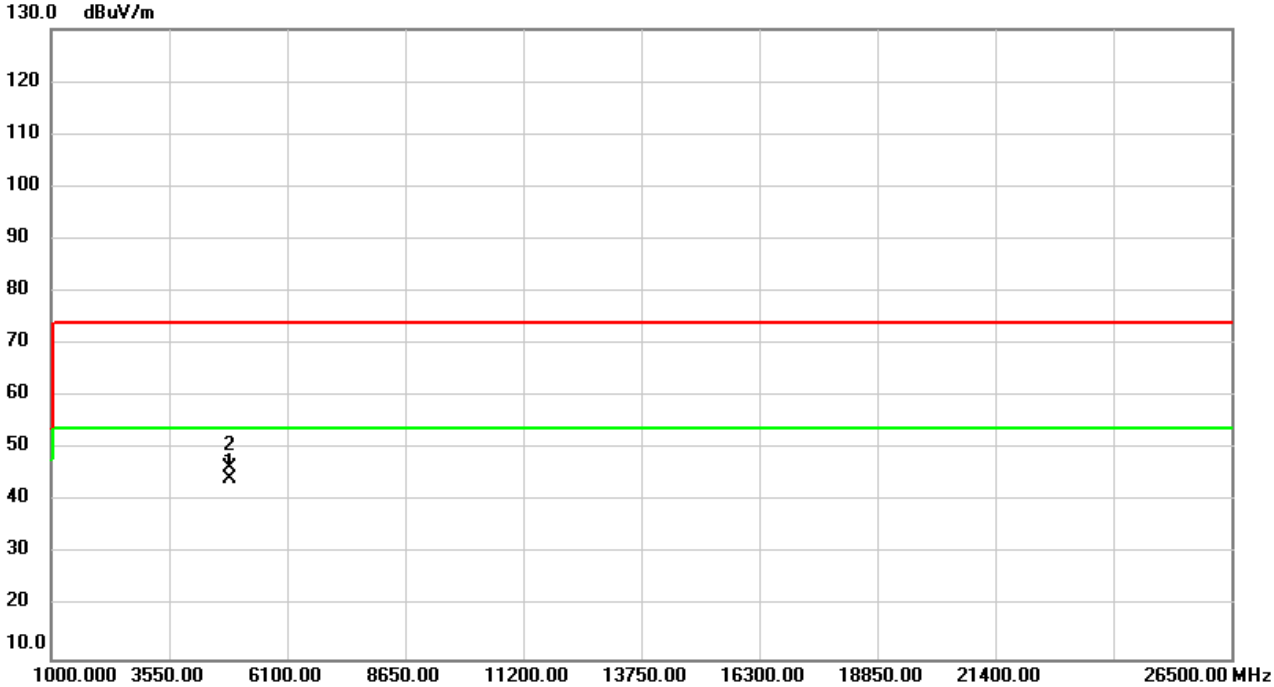
Test Mode	IEEE802.11n(HT40)	Test Date	2021/7/22
Test Frequency	2452MHz	Polarization	Vertical
Temp	23°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.613	30.95	31.21	62.16	74.00	-11.84	peak	
2		2388.613	17.89	31.21	49.10	54.00	-4.90	AVG	
3	X	2422.000	67.35	31.32	98.67	74.00	24.67	peak	NoLimit
4	*	2422.000	57.74	31.32	89.06	54.00	35.06	AVG	NoLimit
5		2502.773	27.44	31.58	59.02	74.00	-14.98	peak	
6		2502.773	6.12	31.58	37.70	54.00	-16.30	AVG	

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

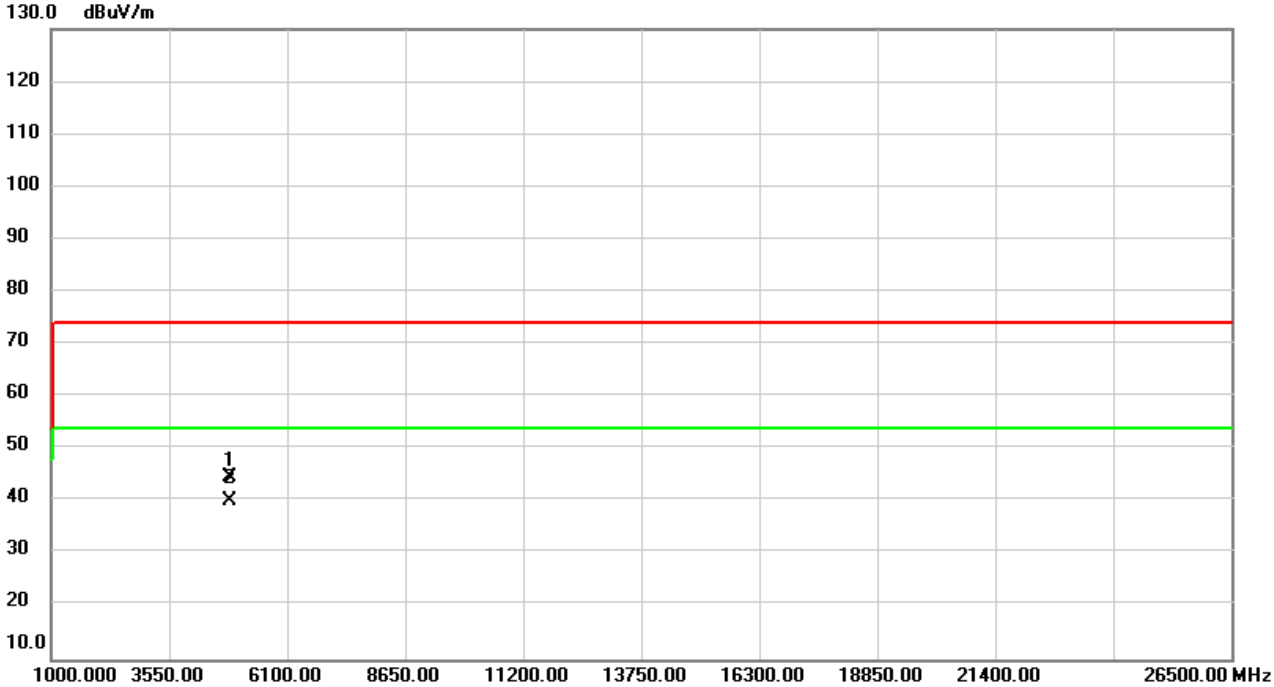
Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	55%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.98	-9.78	44.20	74.00	-29.80	peak	
2	*	4874.000	56.35	-9.78	46.57	54.00	-7.43	AVG	

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

Test Mode	IEEE802.11b	Test Date	2021/7/22
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	55%

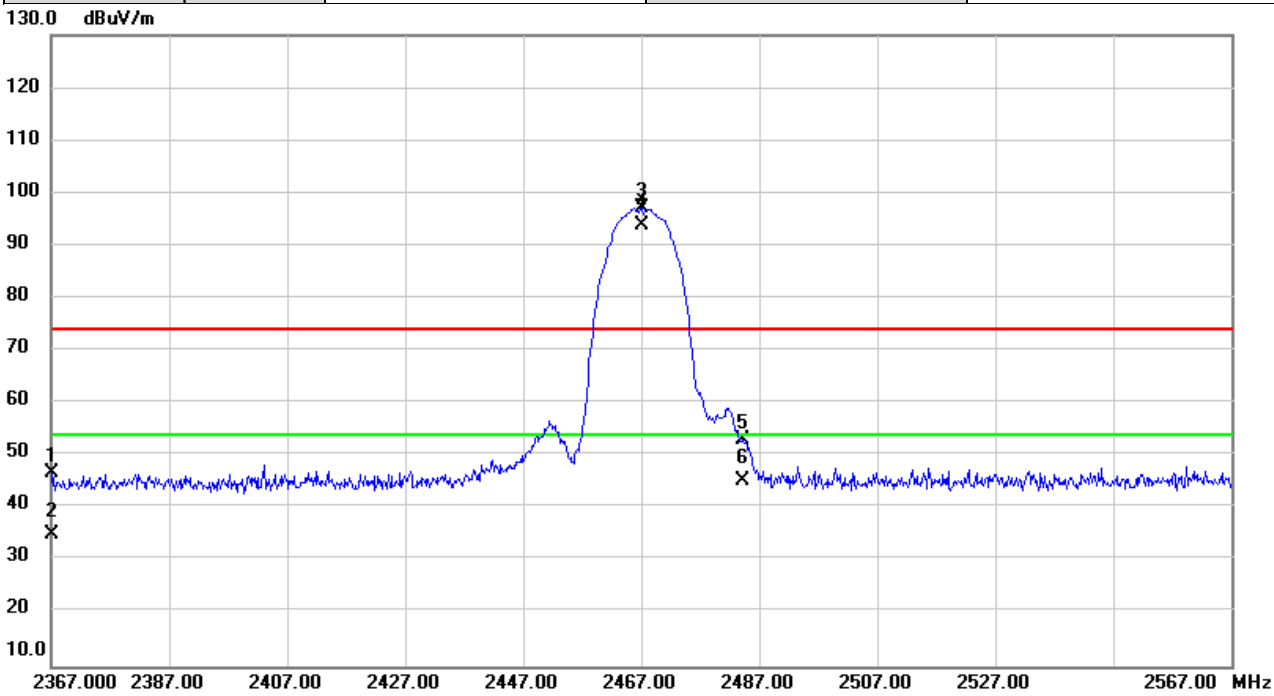


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.52	-9.78	44.74	74.00	-29.26	peak	
2	*	4874.000	49.96	-9.78	40.18	54.00	-13.82	AVG	

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

For External Antenna: MA173. A. LBI.001

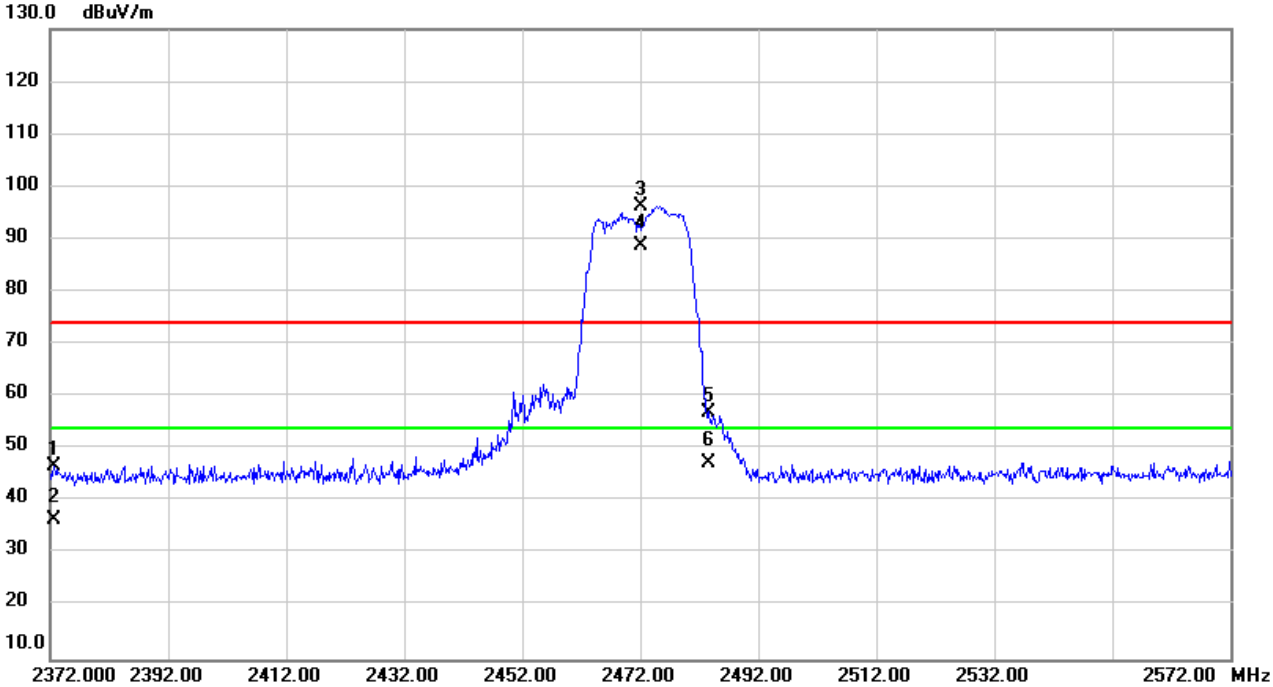
Test Mode	IEEE 802.11b	Test Date	2022/8/25
Test Frequency	2467MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2367.227	52.69	-5.80	46.89	74.00	-27.11	peak	
2		2367.227	40.82	-5.80	35.02	54.00	-18.98	AVG	
3	X	2467.000	102.80	-5.66	97.14	74.00	23.14	peak	NoLimit
4	*	2467.000	99.55	-5.66	93.89	54.00	39.89	AVG	NoLimit
5		2484.253	58.60	-5.65	52.95	74.00	-21.05	peak	
6		2484.253	50.85	-5.65	45.20	54.00	-8.80	AVG	

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

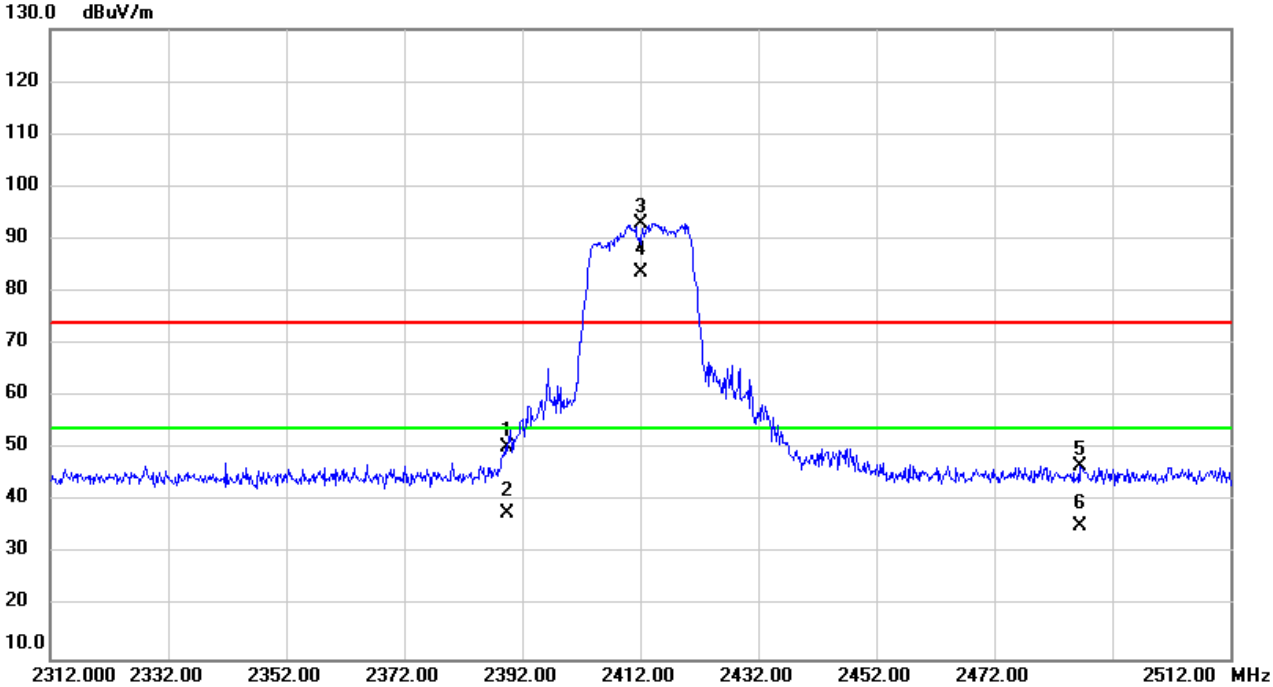
Test Mode	IEEE 802.11g	Test Date	2022/8/25
Test Frequency	2472MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2372.733	52.47	-5.79	46.68	74.00	-27.32	peak	
2		2372.733	42.23	-5.79	36.44	54.00	-17.56	AVG	
3	X	2472.000	101.89	-5.66	96.23	74.00	22.23	peak	NoLimit
4	*	2472.000	94.45	-5.66	88.79	54.00	34.79	AVG	NoLimit
5		2483.640	62.74	-5.65	57.09	74.00	-16.91	peak	
6		2483.640	52.89	-5.65	47.24	54.00	-6.76	AVG	

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

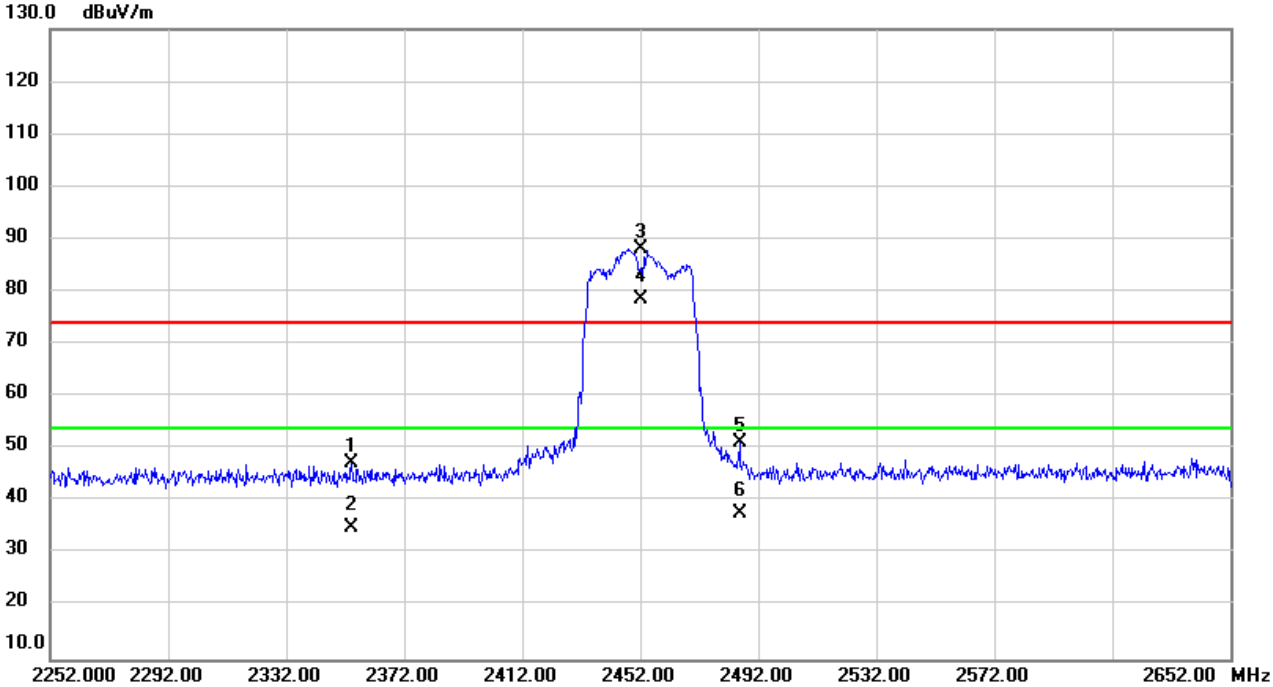
Test Mode	IEEE 802.11n (HT20)	Test Date	2022/8/25
Test Frequency	2412MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.600	56.27	-5.77	50.50	74.00	-23.50	peak	
2		2389.600	43.48	-5.77	37.71	54.00	-16.29	AVG	
3	X	2412.000	98.76	-5.74	93.02	74.00	19.02	peak	NoLimit
4	*	2412.000	89.46	-5.74	83.72	54.00	29.72	AVG	NoLimit
5		2486.660	52.43	-5.63	46.80	74.00	-27.20	peak	
6		2486.660	40.94	-5.63	35.31	54.00	-18.69	AVG	

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

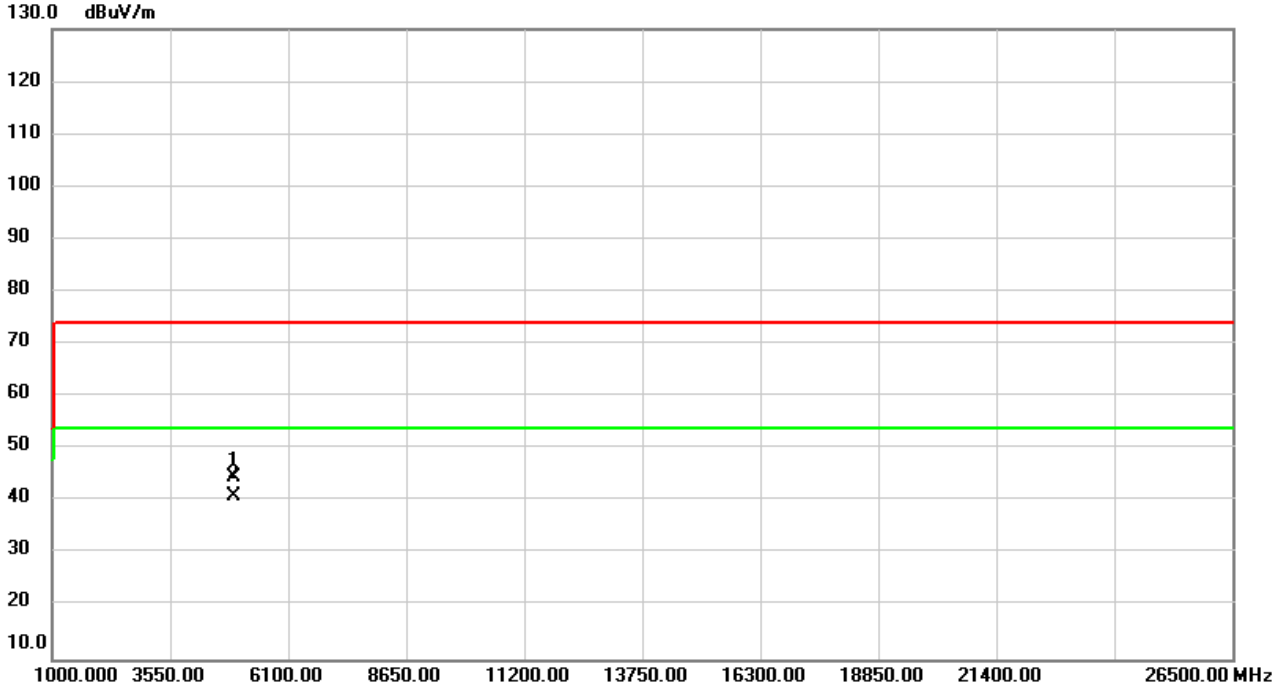
Test Mode	IEEE 802.11n (HT40)	Test Date	2022/8/25
Test Frequency	2452MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2354.133	53.15	-5.82	47.33	74.00	-26.67	peak	
2		2354.133	40.76	-5.82	34.94	54.00	-19.06	AVG	
3	X	2452.000	93.75	-5.69	88.06	74.00	14.06	peak	NoLimit
4	*	2452.000	84.17	-5.69	78.48	54.00	24.48	AVG	NoLimit
5		2485.933	56.82	-5.63	51.19	74.00	-22.81	peak	
6		2485.933	43.23	-5.63	37.60	54.00	-16.40	AVG	

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

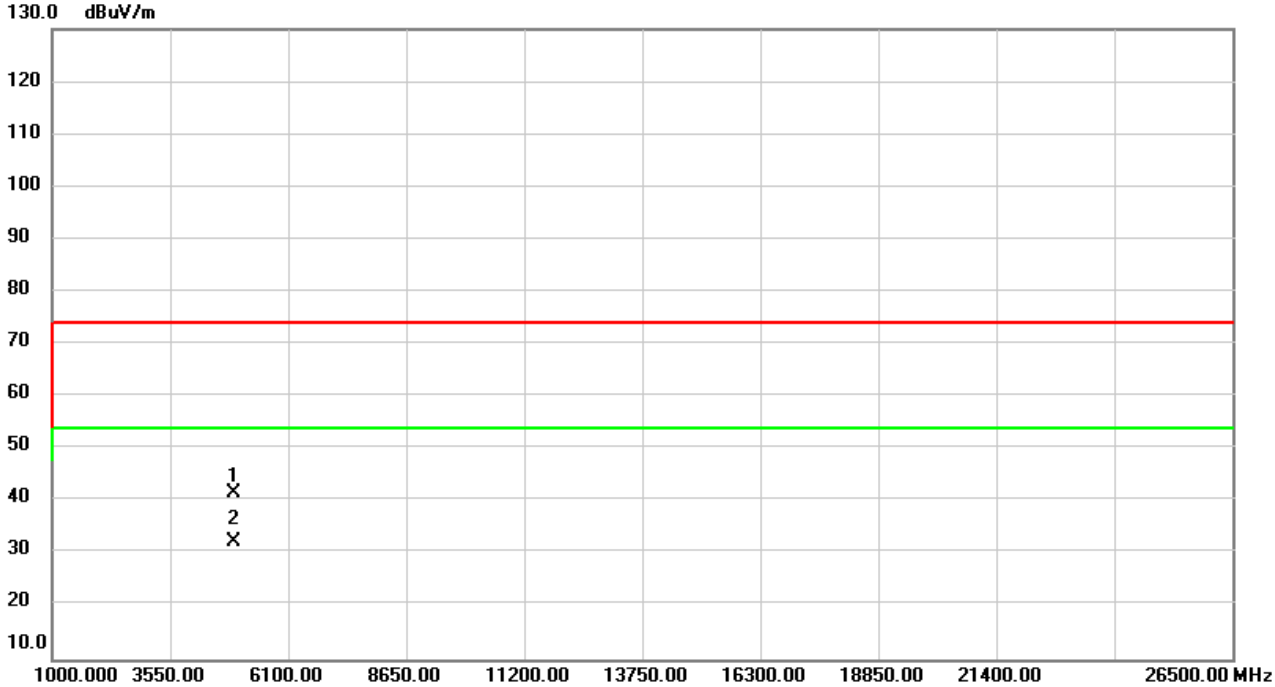
Test Mode	IEEE 802.11b	Test Date	2022/8/25
Test Frequency	2467MHz	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	43.48	1.10	44.58	74.00	-29.42	peak	
2	*	4934.000	39.86	1.10	40.96	54.00	-13.04	AVG	

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

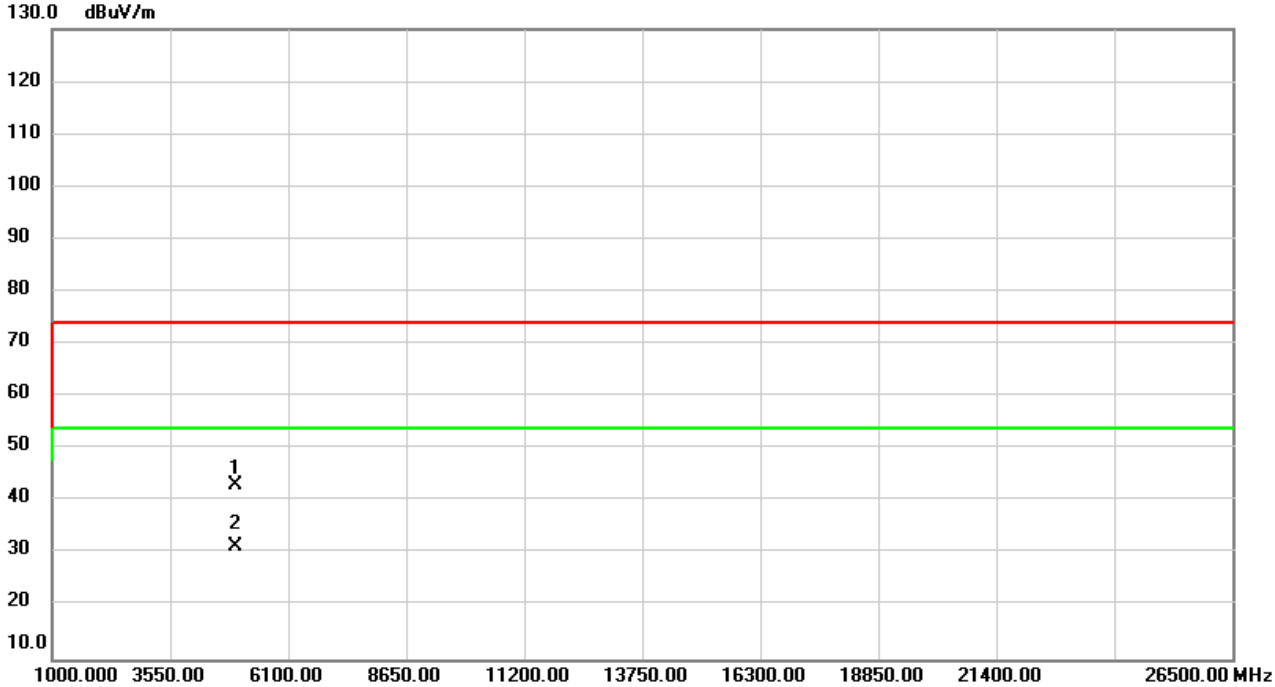
Test Mode	IEEE 802.11b	Test Date	2022/8/25
Test Frequency	2467MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	40.46	1.10	41.56	74.00	-32.44	peak	
2	*	4934.000	31.16	1.10	32.26	54.00	-21.74	AVG	

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

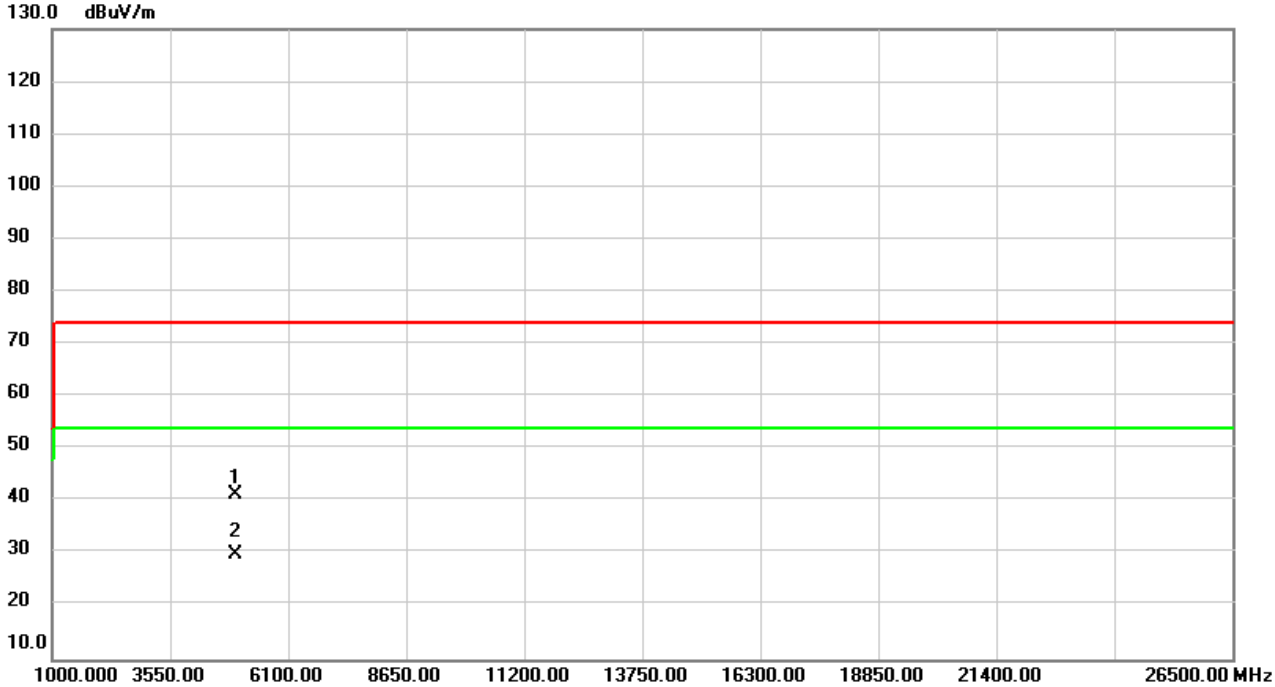
Test Mode	IEEE 802.11g	Test Date	2022/8/25
Test Frequency	2472MHz	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	41.89	1.13	43.02	74.00	-30.98	peak	
2	*	4944.000	30.28	1.13	31.41	54.00	-22.59	AVG	

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

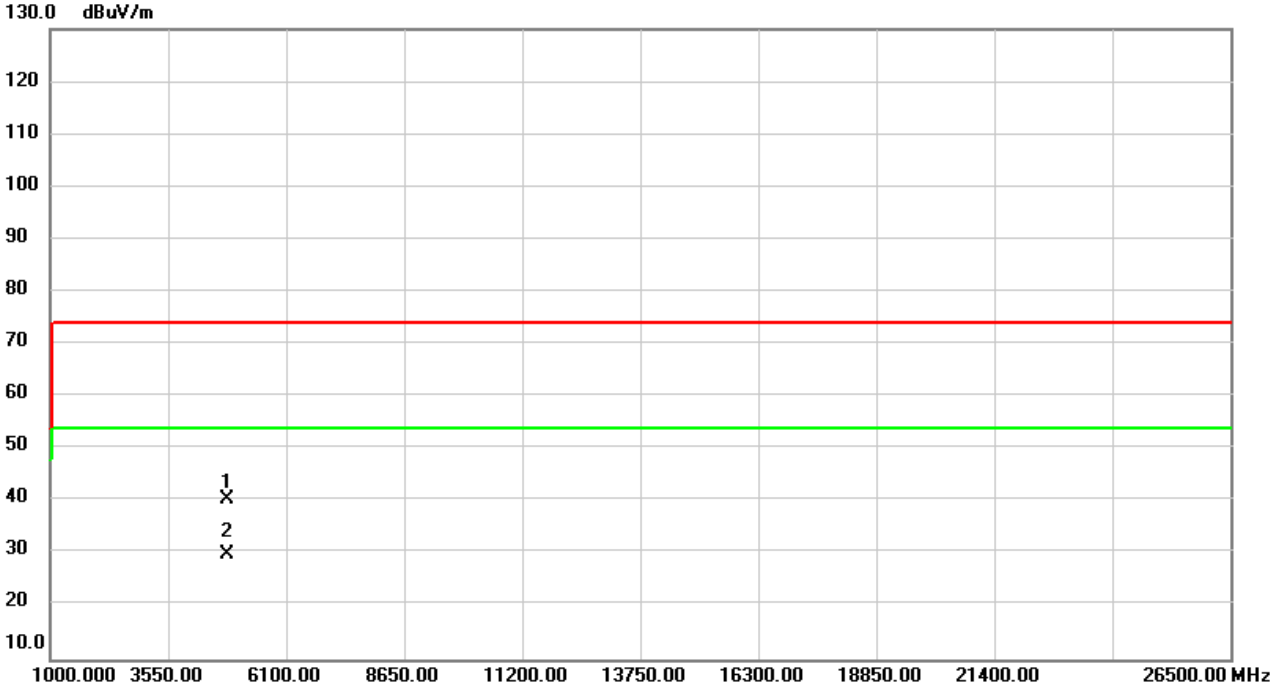
Test Mode	IEEE 802.11g	Test Date	2022/8/25
Test Frequency	2472MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	40.13	1.13	41.26	74.00	-32.74	peak	
2	*	4944.000	28.86	1.13	29.99	54.00	-24.01	AVG	

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

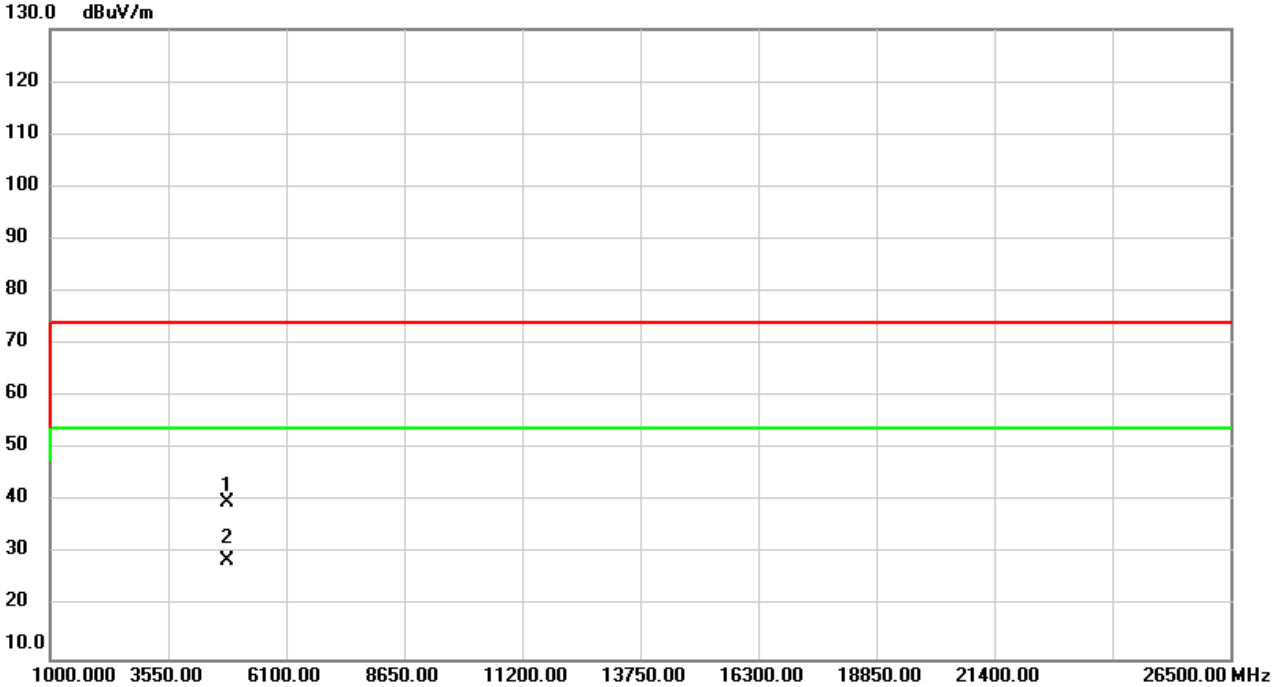
Test Mode	IEEE 802.11n (HT20)	Test Date	2022/8/25
Test Frequency	2412MHz	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	39.77	0.72	40.49	74.00	-33.51	peak	
2	*	4824.000	29.12	0.72	29.84	54.00	-24.16	AVG	

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

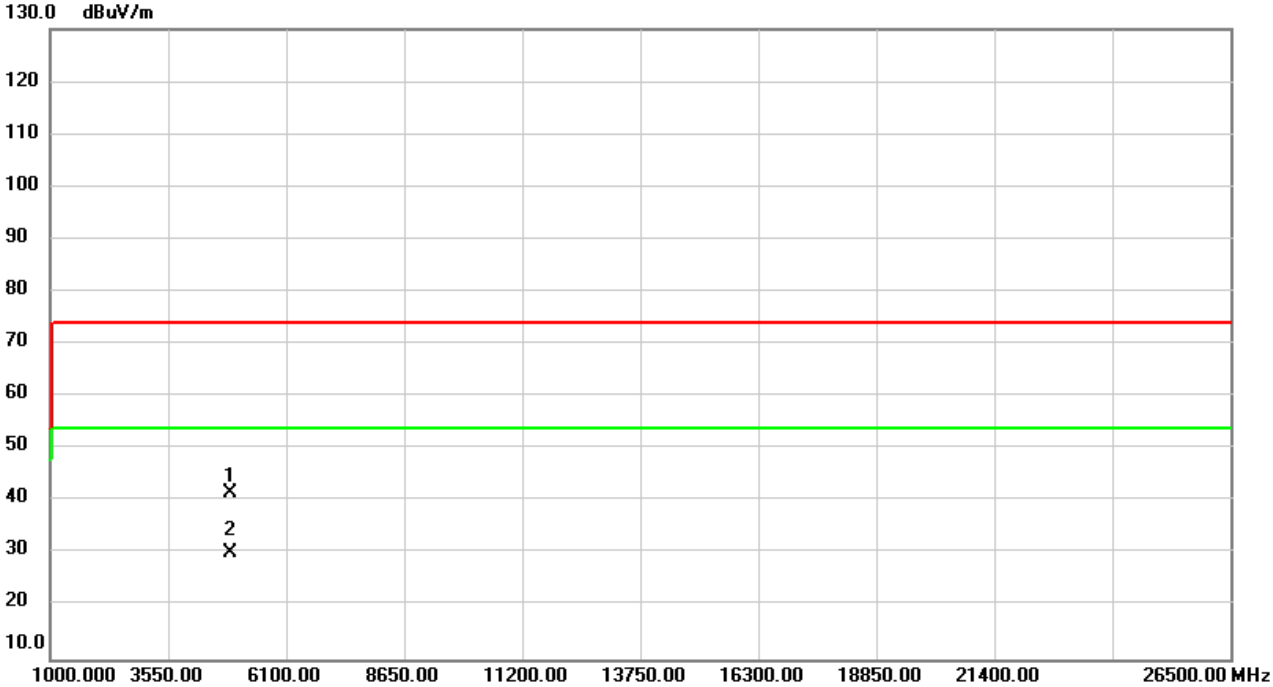
Test Mode	IEEE 802.11n (HT20)	Test Date	2022/8/25
Test Frequency	2412MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	39.08	0.72	39.80	74.00	-34.20	peak	
2	*	4824.000	28.02	0.72	28.74	54.00	-25.26	AVG	

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

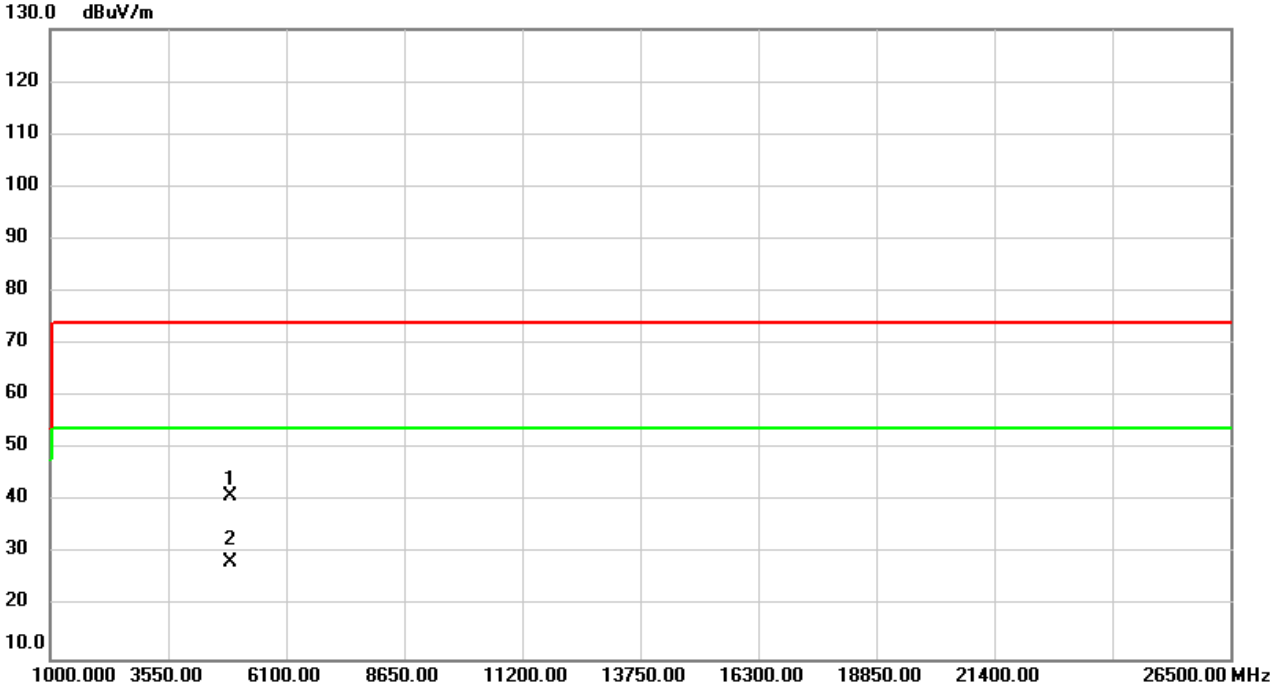
Test Mode	IEEE 802.11n (HT40)	Test Date	2022/8/25
Test Frequency	2452MHz	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	40.63	0.99	41.62	74.00	-32.38	peak	
2	*	4904.000	29.13	0.99	30.12	54.00	-23.88	AVG	

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2022/8/25
Test Frequency	2452MHz	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	40.08	0.99	41.07	74.00	-32.93	peak	
2	*	4904.000	27.58	0.99	28.57	54.00	-25.43	AVG	

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

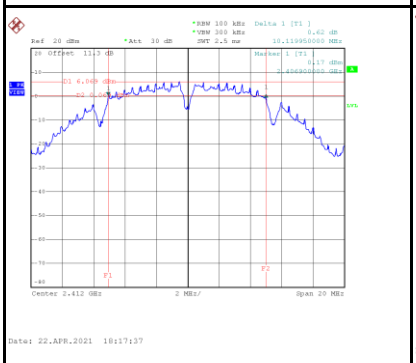
APPENDIX C BANDWIDTH

Test Mode	IEEE 802.11b_Stubby antenna

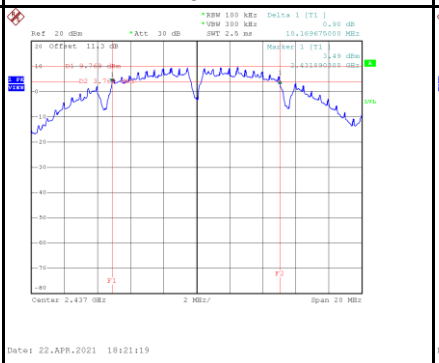
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	10.12	14.16	≥ 500	Pass
2437	10.17	21.84	≥ 500	Pass
2462	10.18	13.60	≥ 500	Pass
2467	9.66	13.36	≥ 500	Pass
2472	9.32	12.72	≥ 500	Pass

6dB Bandwidth

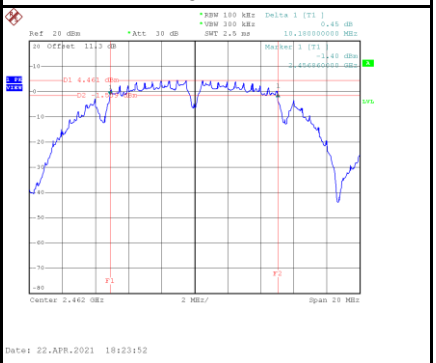
2412 MHz



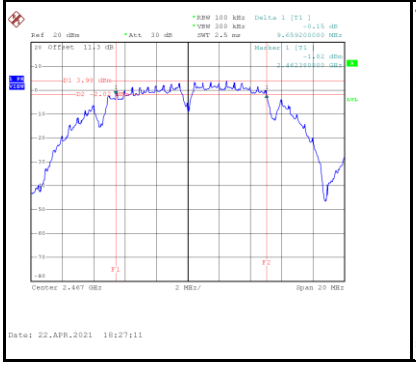
2437 MHz



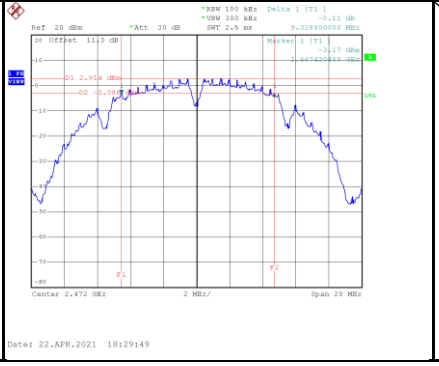
2462 MHz

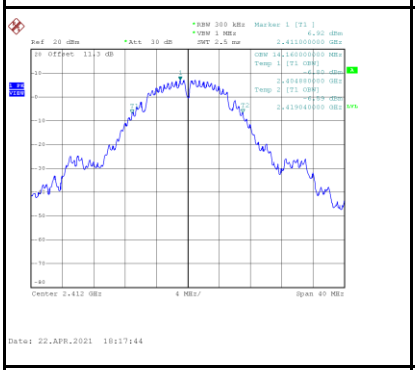
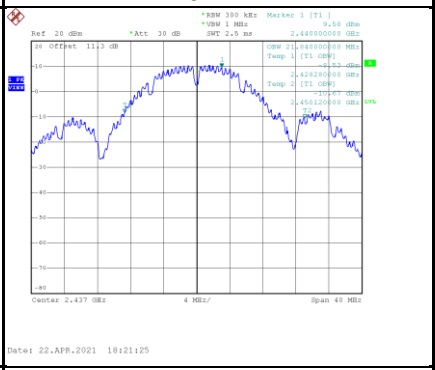
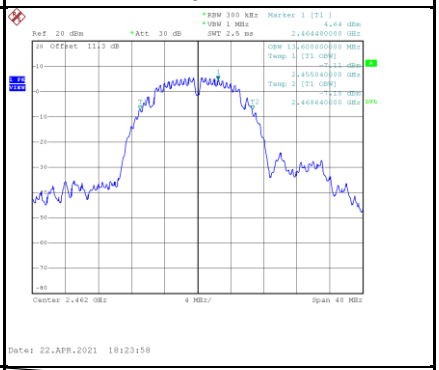
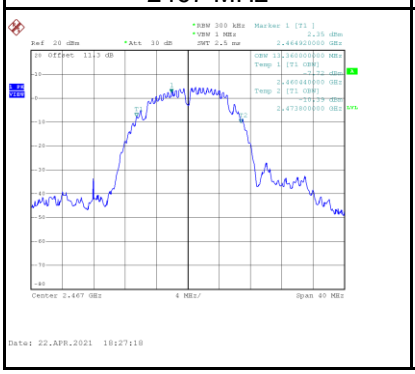
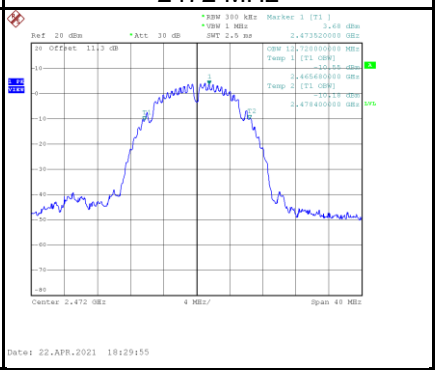


2467 MHz



2472 MHz



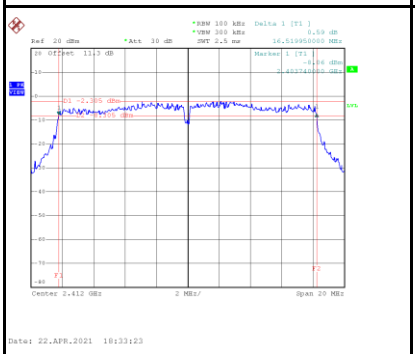
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11g_Stubby antenna

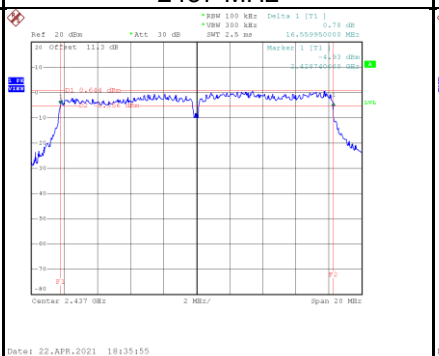
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.52	16.72	≥ 500	Pass
2437	16.56	16.96	≥ 500	Pass
2462	16.66	17.12	≥ 500	Pass
2467	16.56	16.88	≥ 500	Pass
2472	16.40	16.56	≥ 500	Pass

6dB Bandwidth

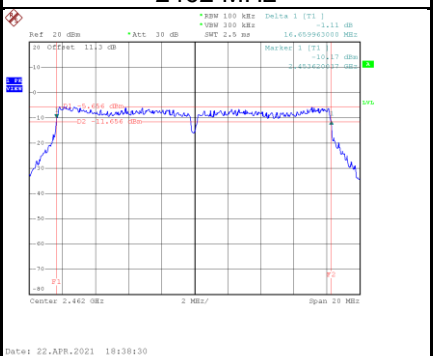
2412 MHz



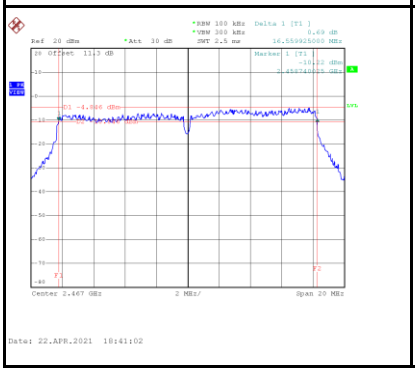
2437 MHz



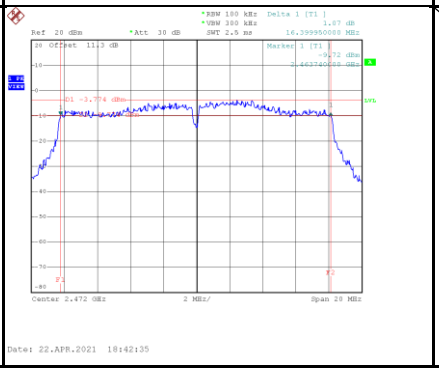
2462 MHz

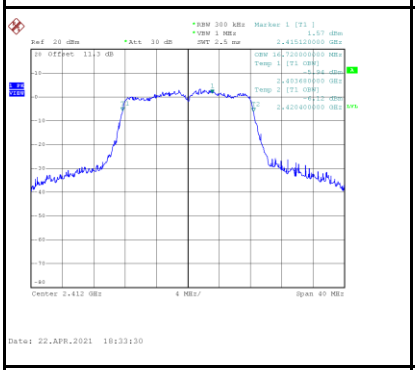
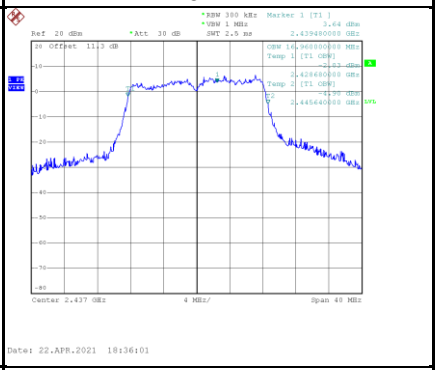
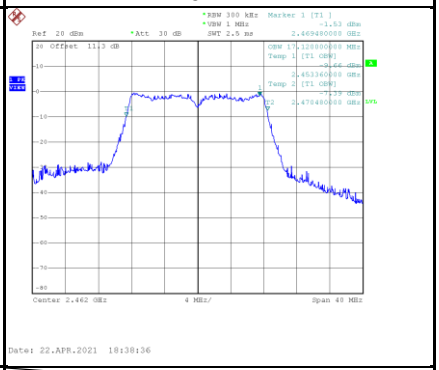
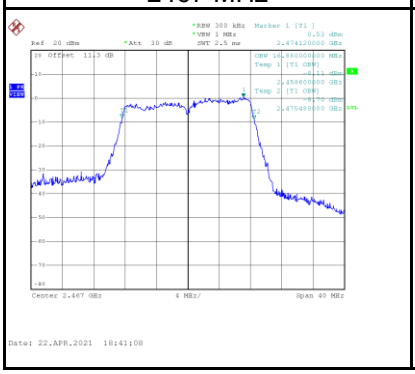
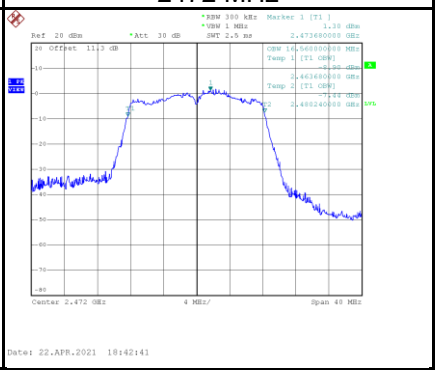


2467 MHz



2472 MHz



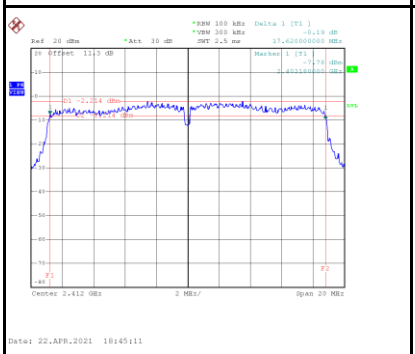
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11n (HT20)_Stubby antenna

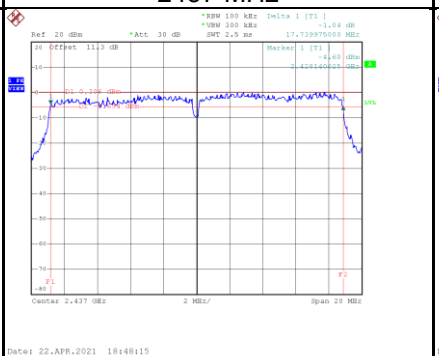
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.62	17.68	≥ 500	Pass
2437	17.74	17.84	≥ 500	Pass
2462	17.81	18.00	≥ 500	Pass
2467	17.72	17.84	≥ 500	Pass
2472	16.82	17.60	≥ 500	Pass

6dB Bandwidth

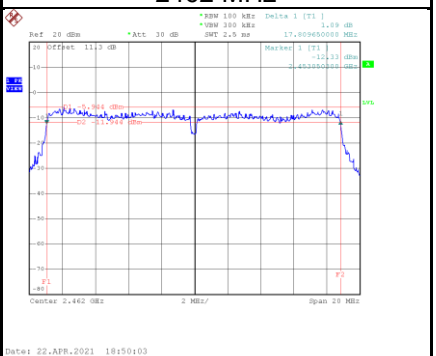
2412 MHz



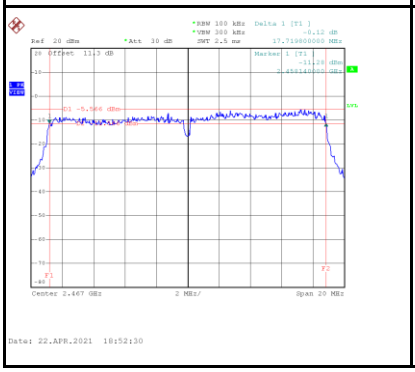
2437 MHz



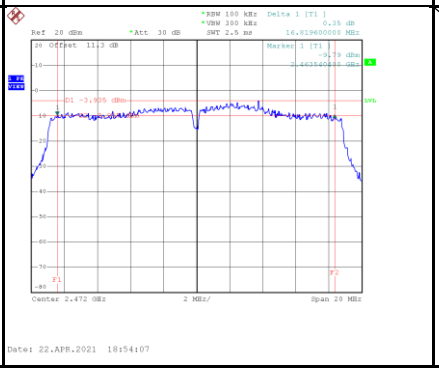
2462 MHz

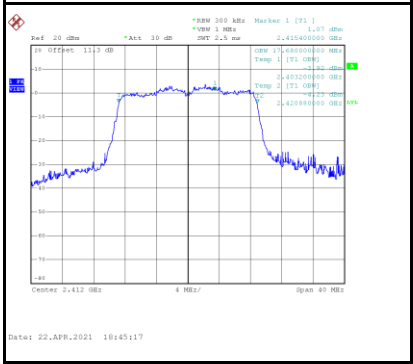
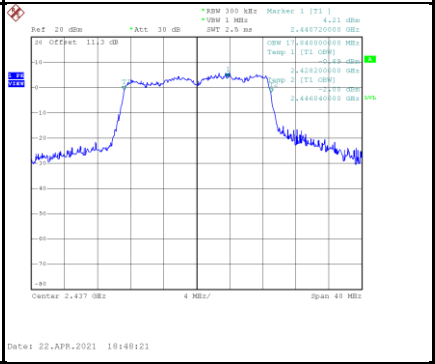
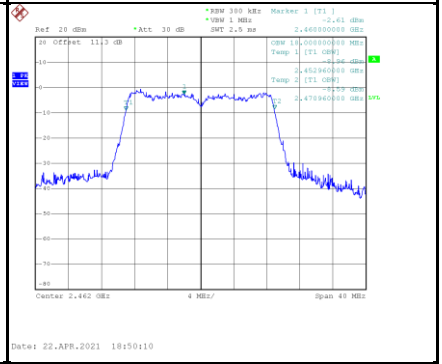
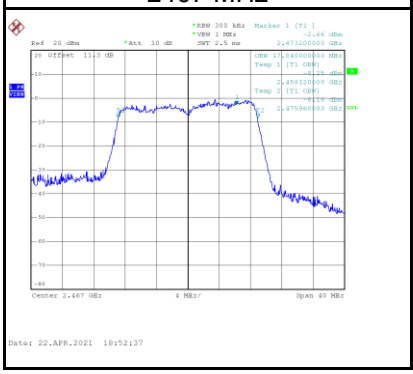
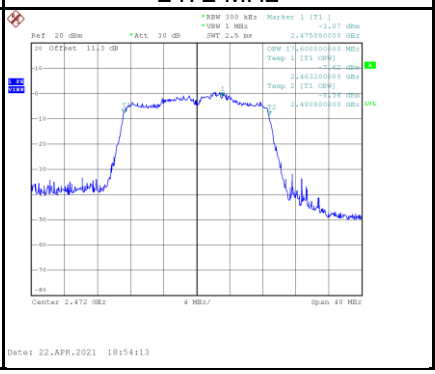


2467 MHz



2472 MHz



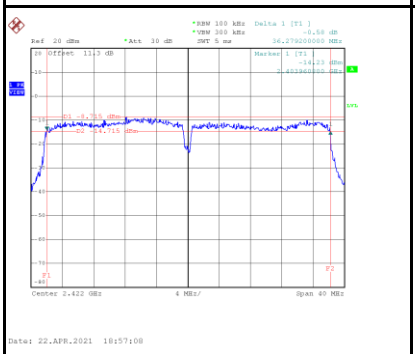
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11n (HT40)_Stubby antenna

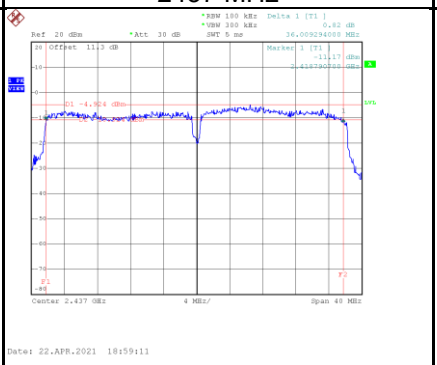
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.28	36.64	≥ 500	Pass
2437	36.01	36.96	≥ 500	Pass
2452	35.75	36.48	≥ 500	Pass
2457	36.44	36.80	≥ 500	Pass
2462	35.64	36.48	≥ 500	Pass

6dB Bandwidth

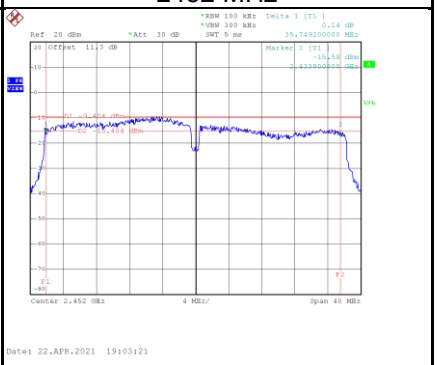
2422 MHz



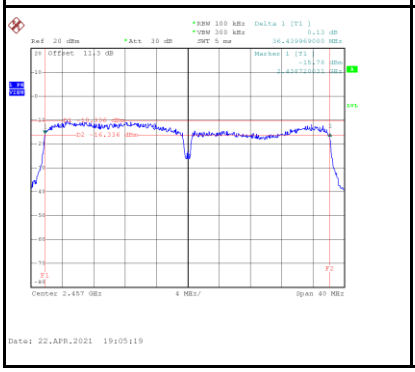
2437 MHz



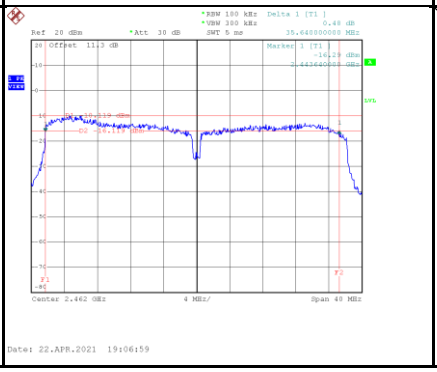
2452 MHz

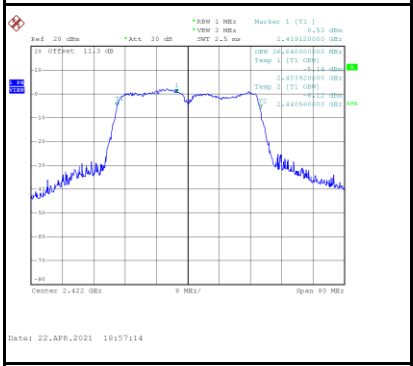
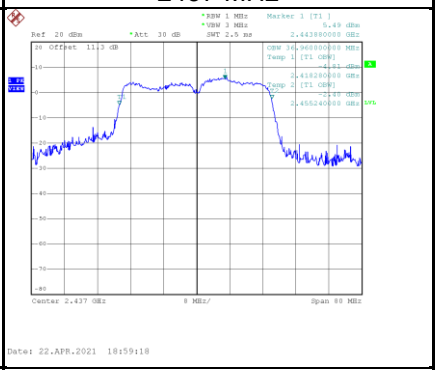
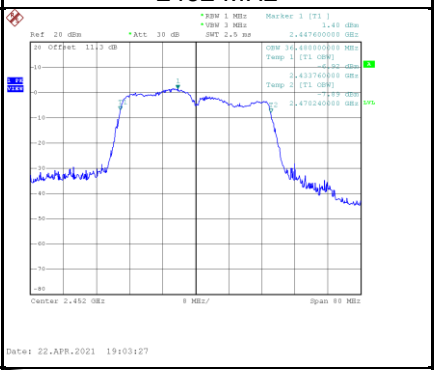
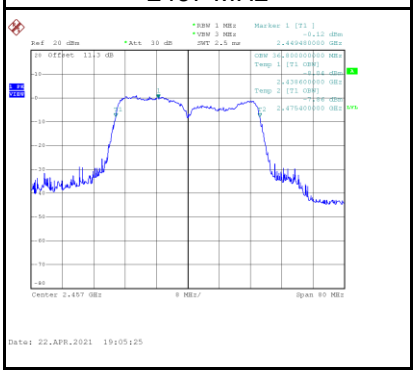
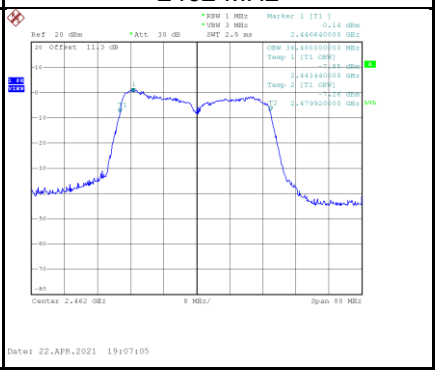


2457 MHz



2462 MHz



99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		
2457 MHz	2462 MHz	
		

APPENDIX D OUTPUT POWER

Test Mode	IEEE 802.11b_Stubby antenna	Tested Date	2021/4/22

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.81	0.0760	30.00	1.0000	Complies
2437	21.42	0.1387	30.00	1.0000	Complies
2462	19.01	0.0796	30.00	1.0000	Complies
2467	16.95	0.0495	30.00	1.0000	Complies
2472	15.70	0.0372	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Stubby antenna	Tested Date	2021/4/22

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.08	0.1282	30.00	1.0000	Complies
2437	22.03	0.1596	30.00	1.0000	Complies
2462	21.11	0.1291	30.00	1.0000	Complies
2467	19.43	0.0877	30.00	1.0000	Complies
2472	18.77	0.0753	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Stubby antenna	Tested Date	2021/4/22

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.39	0.1377	30.00	1.0000	Complies
2437	22.39	0.1734	30.00	1.0000	Complies
2462	21.55	0.1429	30.00	1.0000	Complies
2467	16.69	0.0467	30.00	1.0000	Complies
2472	17.86	0.0611	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Stubby antenna	Tested Date	2021/4/22

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	19.60	0.0912	30.00	1.0000	Complies
2437	22.36	0.1722	30.00	1.0000	Complies
2452	18.81	0.0760	30.00	1.0000	Complies
2457	17.22	0.0527	30.00	1.0000	Complies
2462	17.03	0.0505	30.00	1.0000	Complies

Spot check test:

Test Mode	IEEE 802.11b_Stubby antenna	Tested Date	2021/7/23

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.73	0.0746	30.00	1.0000	Complies
2437	21.43	0.1390	30.00	1.0000	Complies
2462	18.58	0.0721	30.00	1.0000	Complies
2467	16.79	0.0478	30.00	1.0000	Complies
2472	15.72	0.0373	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Stubby antenna	Tested Date	2021/7/23

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	20.14	0.1033	30.00	1.0000	Complies
2437	22.20	0.1660	30.00	1.0000	Complies
2462	20.55	0.1135	30.00	1.0000	Complies
2467	19.47	0.0885	30.00	1.0000	Complies
2472	18.29	0.0675	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Stubby antenna	Tested Date	2021/7/23

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	20.64	0.1159	30.00	1.0000	Complies
2437	22.35	0.1718	30.00	1.0000	Complies
2462	19.27	0.0845	30.00	1.0000	Complies
2467	16.33	0.0430	30.00	1.0000	Complies
2472	17.19	0.0524	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Stubby antenna	Tested Date	2021/7/23

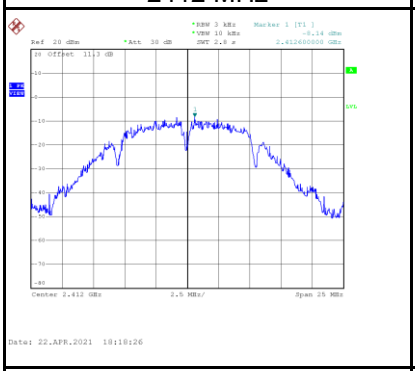
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	17.89	0.0615	30.00	1.0000	Complies
2437	22.41	0.1742	30.00	1.0000	Complies
2452	18.28	0.0673	30.00	1.0000	Complies
2457	15.95	0.0394	30.00	1.0000	Complies
2462	16.35	0.0432	30.00	1.0000	Complies

APPENDIX E POWER SPECTRAL DENSITY

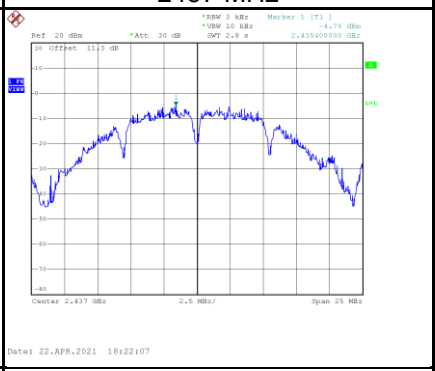
Test Mode	IEEE 802.11b_Stubby antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-8.14	8.00	Pass
2437	-4.78	8.00	Pass
2462	-9.73	8.00	Pass
2467	-10.95	8.00	Pass
2472	-11.49	8.00	Pass

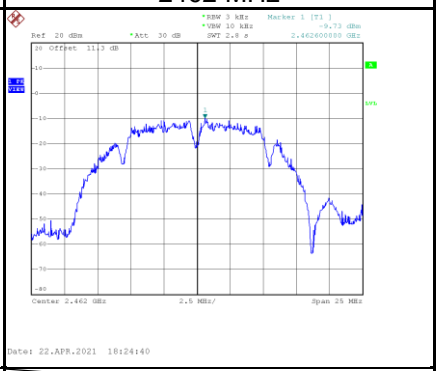
2412 MHz



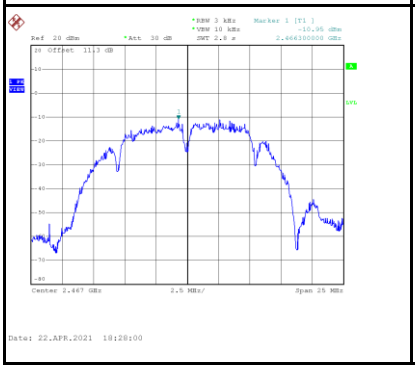
2437 MHz



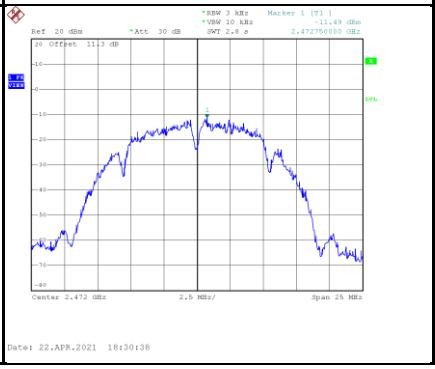
2462 MHz



2467 MHz



2472 MHz



Test Mode	IEEE 802.11g_Stubby antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-15.12	8.00	Pass
2437	-12.75	8.00	Pass
2462	-19.07	8.00	Pass
2467	-17.45	8.00	Pass
2472	-16.72	8.00	Pass

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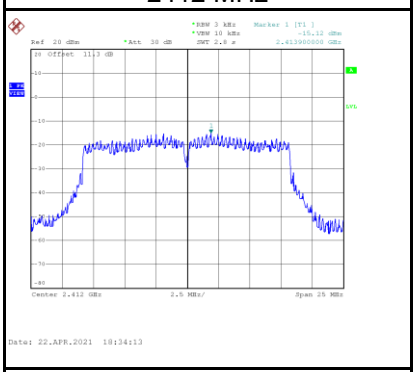
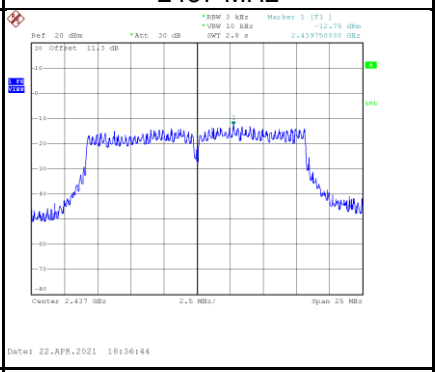
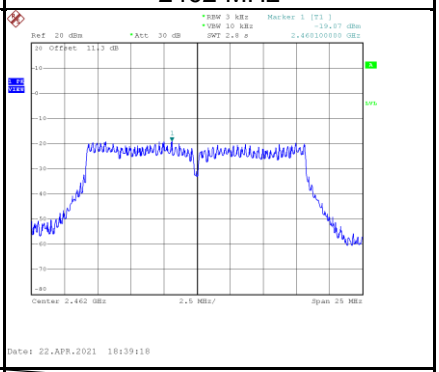
2412 MHz



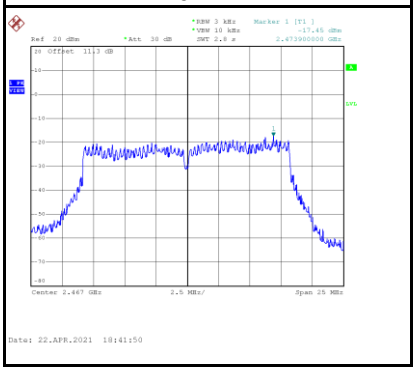
2437 MHz



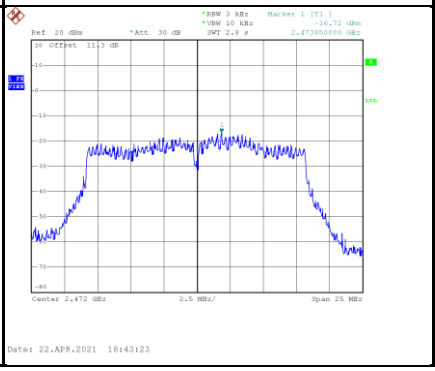
2462 MHz



2467 MHz



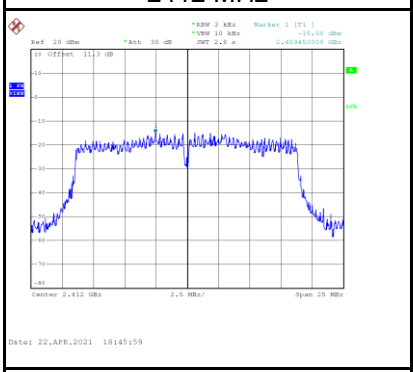
2472 MHz



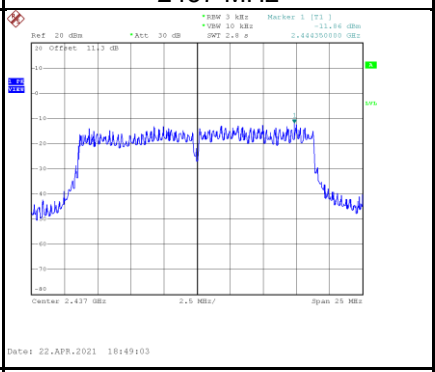
Test Mode	IEEE 802.11n (HT20)_Stubby antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-15.00	8.00	Pass
2437	-11.86	8.00	Pass
2462	-18.14	8.00	Pass
2467	-18.74	8.00	Pass
2472	-17.24	8.00	Pass

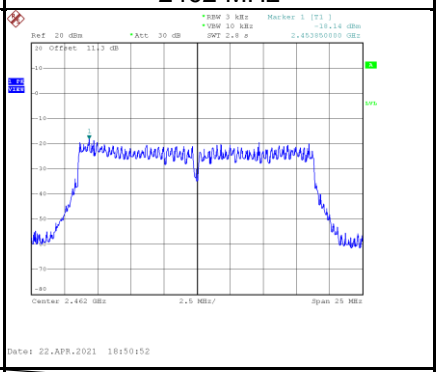
2412 MHz



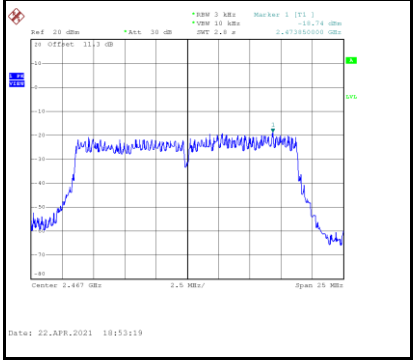
2437 MHz



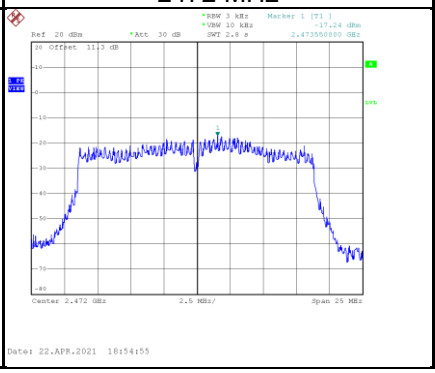
2462 MHz



2467 MHz



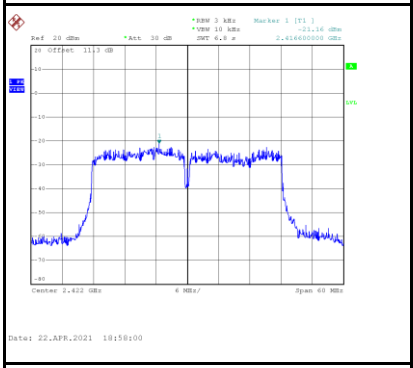
2472 MHz



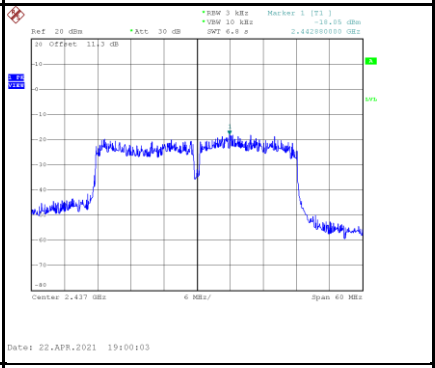
Test Mode	IEEE 802.11n (HT40)_Stubby antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-21.16	8.00	Pass
2437	-18.05	8.00	Pass
2452	-21.33	8.00	Pass
2457	-22.31	8.00	Pass
2462	-22.61	8.00	Pass

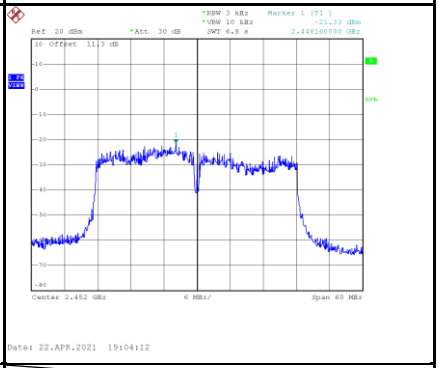
2422 MHz



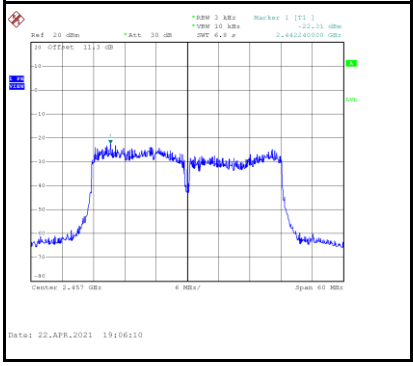
2437 MHz



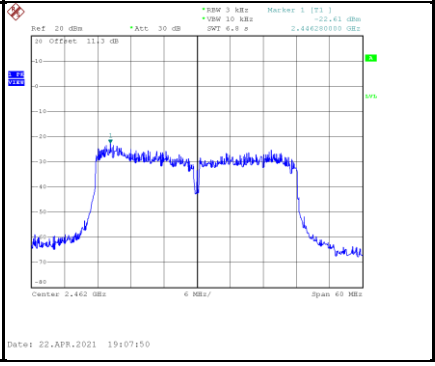
2452 MHz



2457 MHz



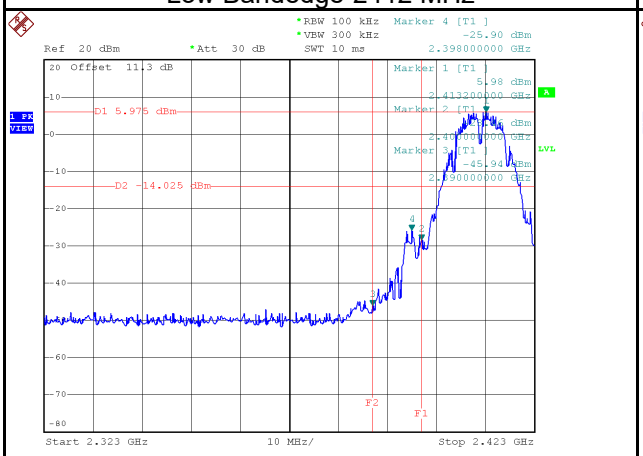
2462 MHz



APPENDIX F ANTENNA CONDUCTED SPURIOUS EMISSIONS

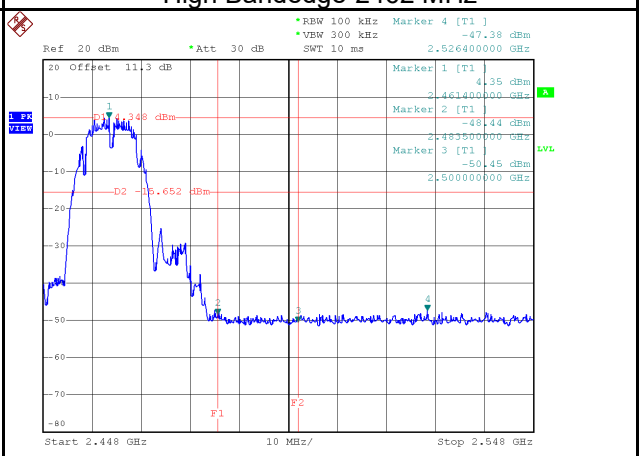
Test Mode	IEEE 802.11b_Stubby antenna

Low Bandedge-2412 MHz



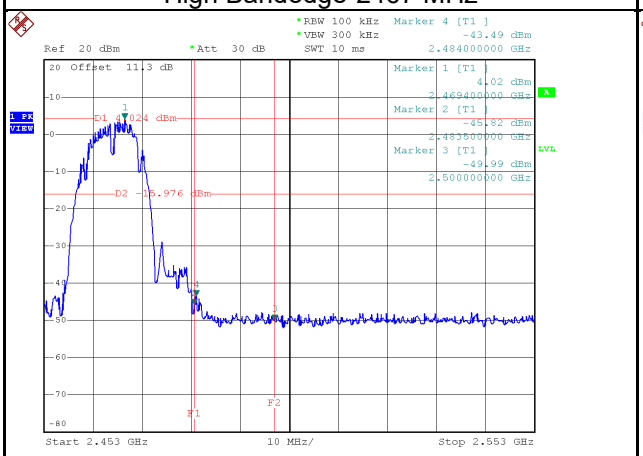
Date: 22.APR.2021 18:17:51

High Bandedge-2462 MHz



Date: 22.APR.2021 18:24:05

High Bandedge-2467 MHz



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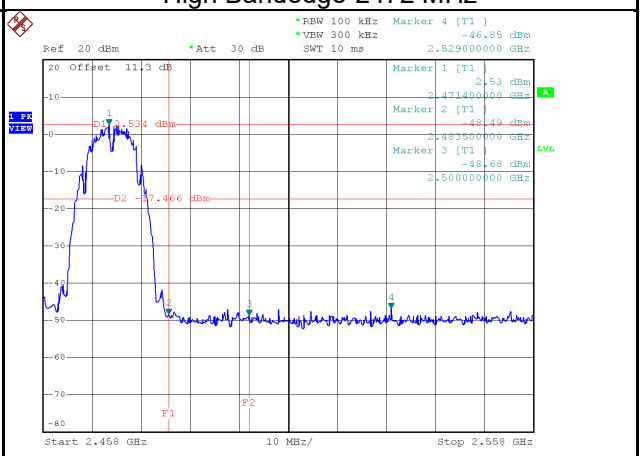
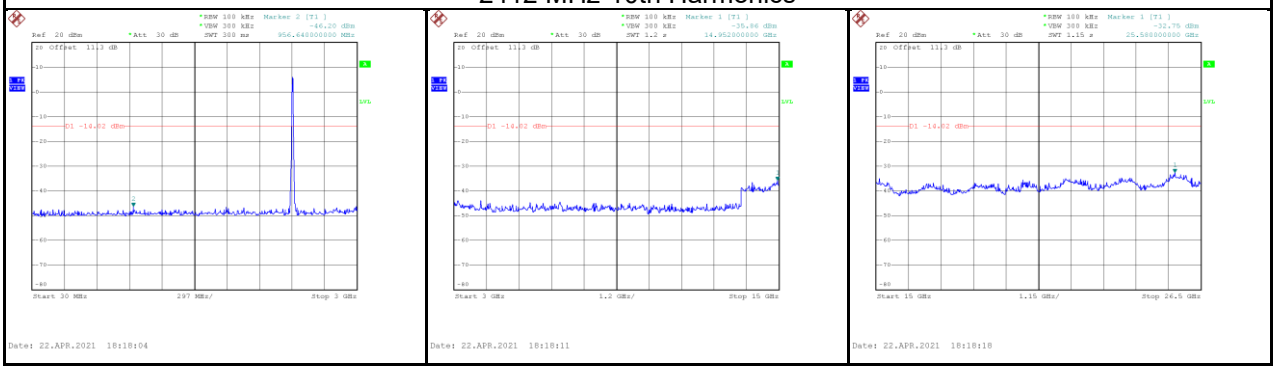
High Bandedge-2472 MHz

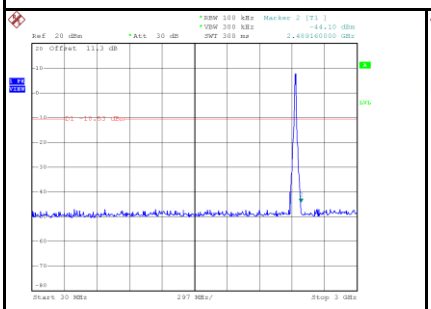
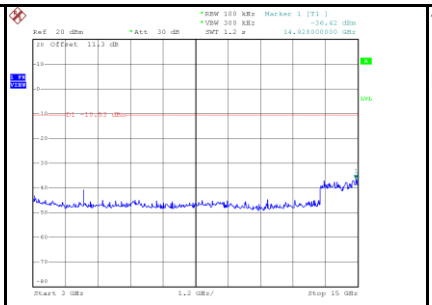
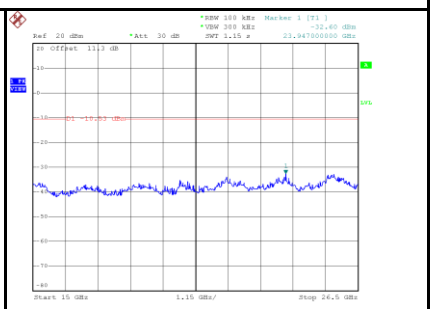


Date: 22.APR.2021 18:30:02

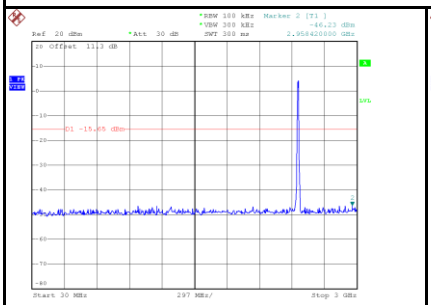
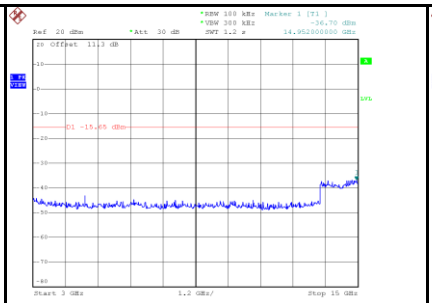
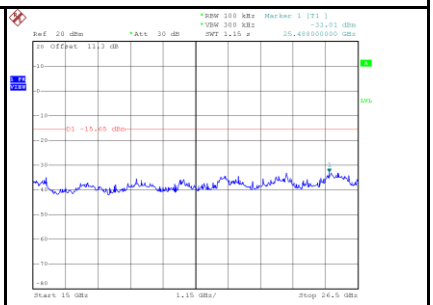
2412 MHz-10th Harmonics



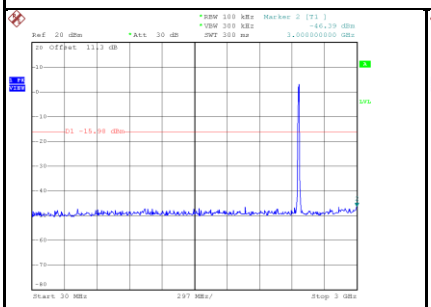
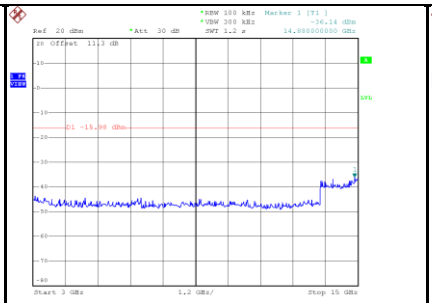
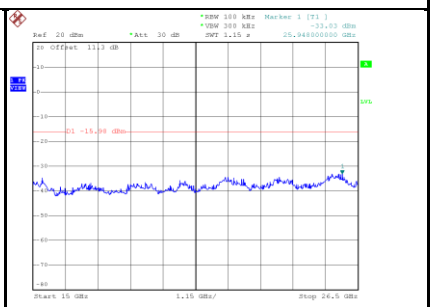
2437 MHz-10th Harmonics

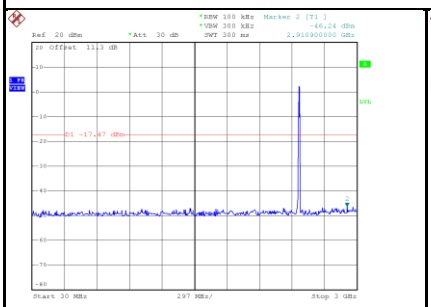
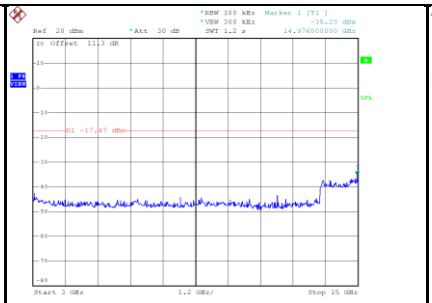
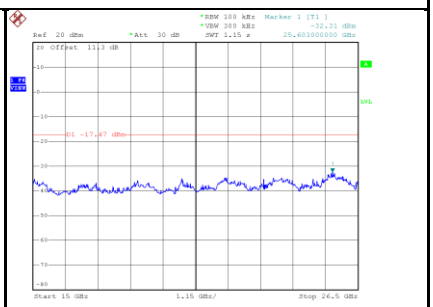
2462 MHz-10th Harmonics

2467 MHz-10th Harmonics

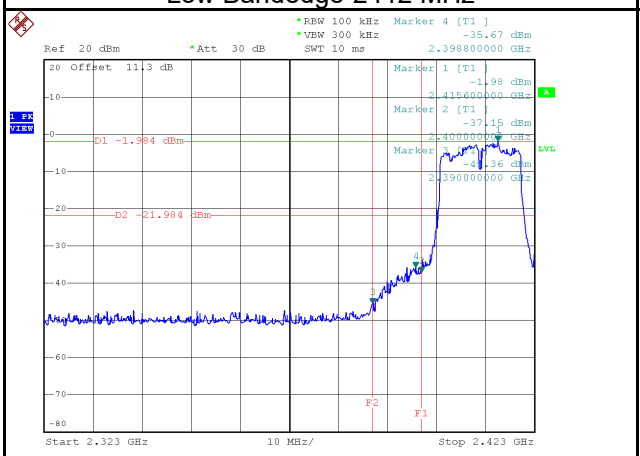




2472 MHz-10th Harmonics

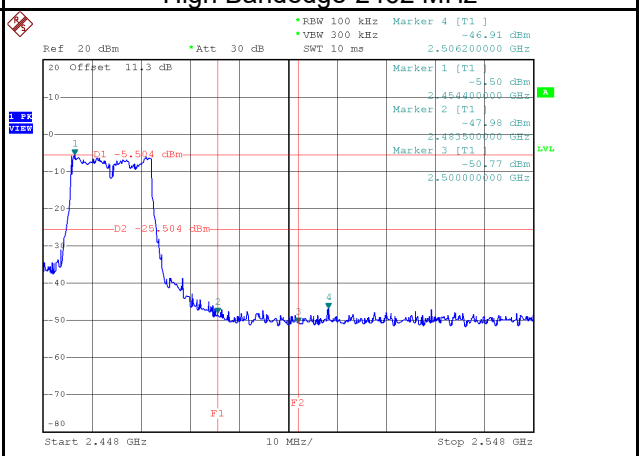
Test Mode	IEEE 802.11g_Stubby antenna

Low Bandedge-2412 MHz



Date: 22.APR.2021 18:33:37

High Bandedge-2462 MHz



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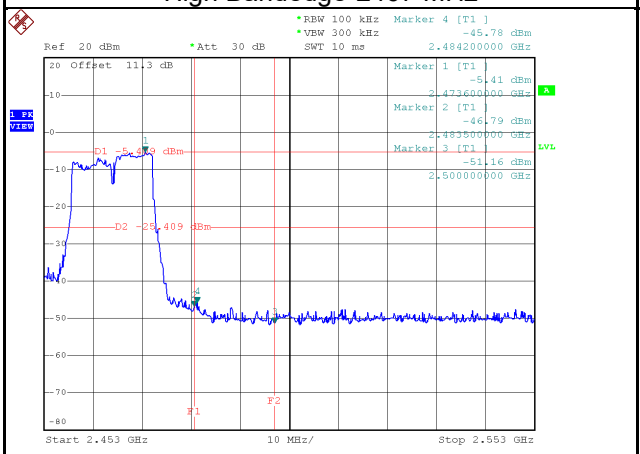
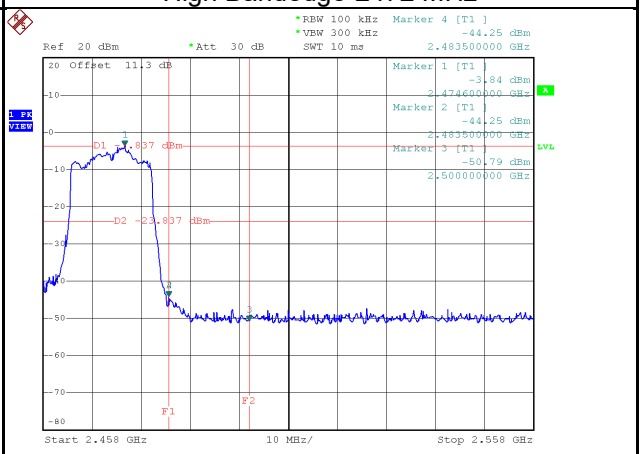
High Bandedge-2467 MHz



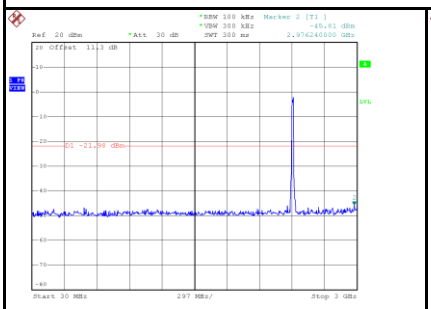
Date: 22.APR.2021 18:41:15

High Bandedge-2472 MHz

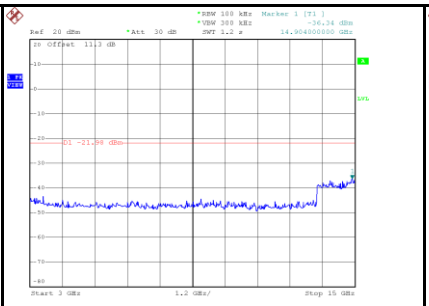


Date: 22.APR.2021 18:42:48

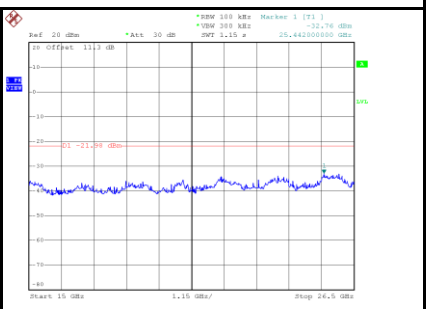
2412 MHz-10th Harmonics



Date: 22.APR.2021 18:33:50



Date: 22.APR.2021 18:33:57



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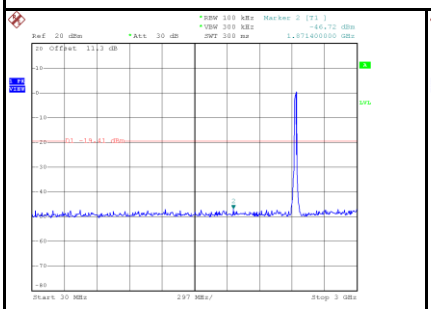
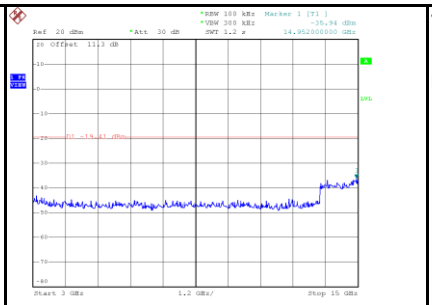
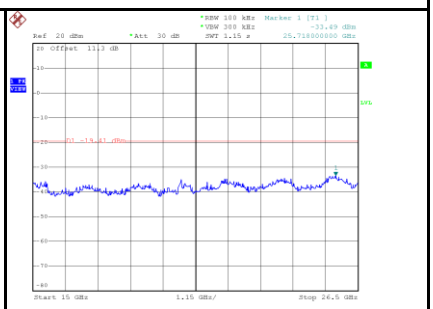
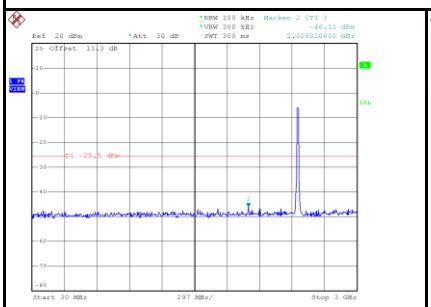
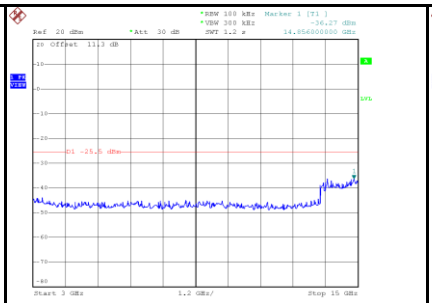
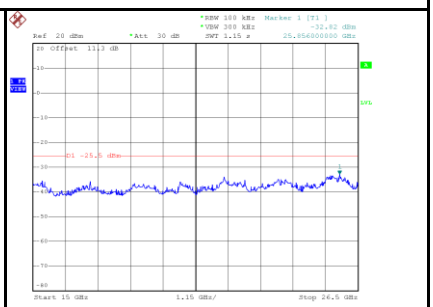
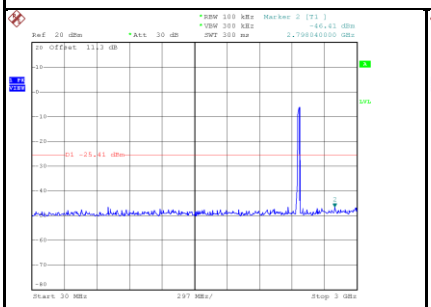
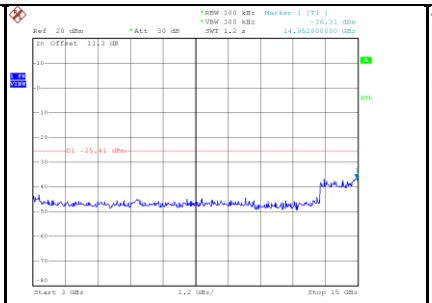
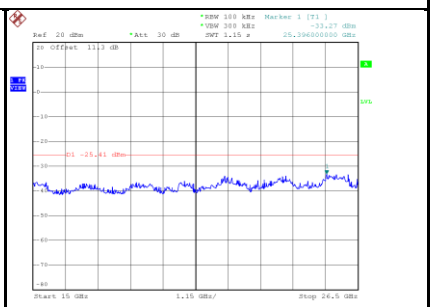
2437 MHz-10th Harmonics

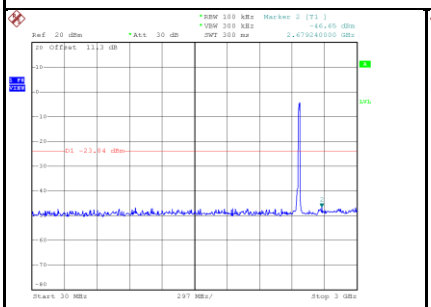
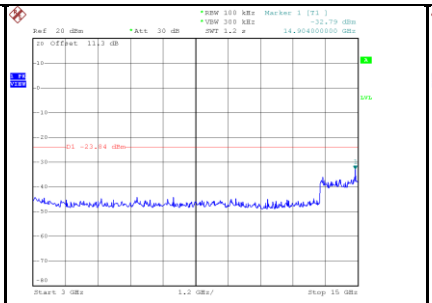
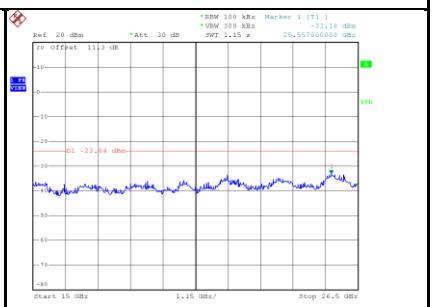
2462 MHz-10th Harmonics

2467 MHz-10th Harmonics

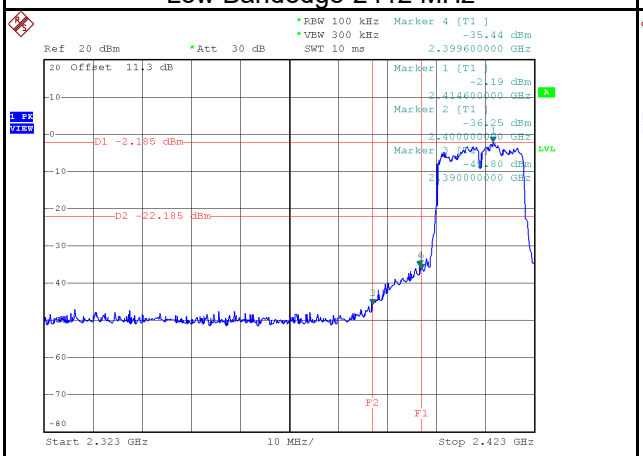




2472 MHz-10th Harmonics

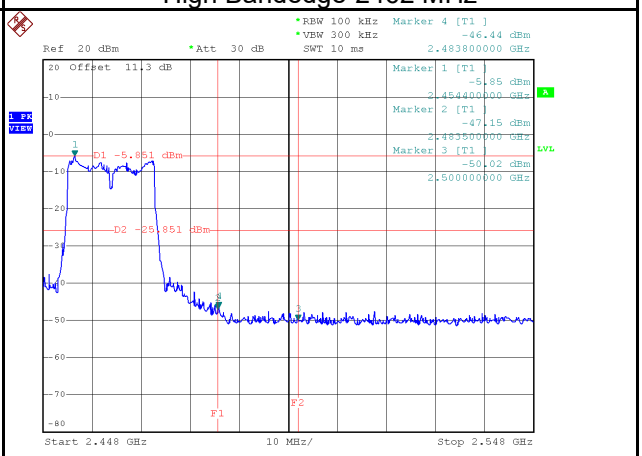
Test Mode	IEEE 802.11n (HT20)_Stubby antenna

Low Bandedge-2412 MHz



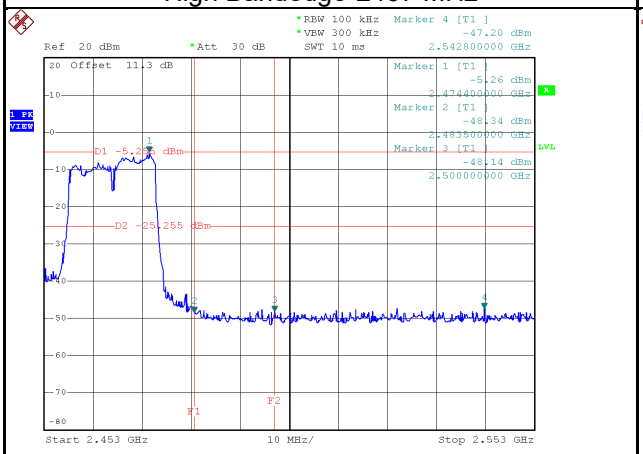
Date: 22.APR.2021 18:45:24

High Bandedge-2462 MHz



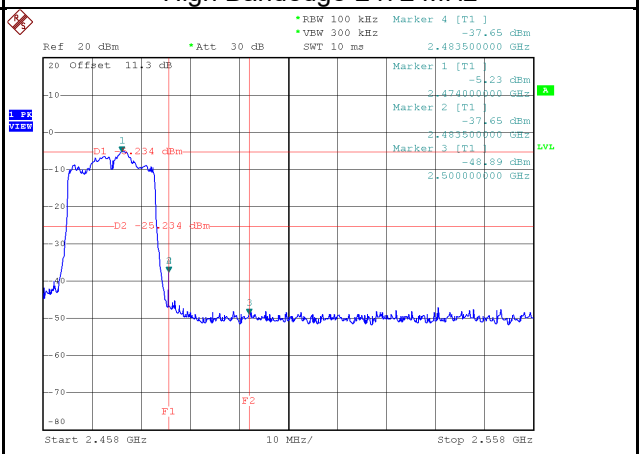
Date: 22.APR.2021 18:50:17

High Bandedge-2467 MHz



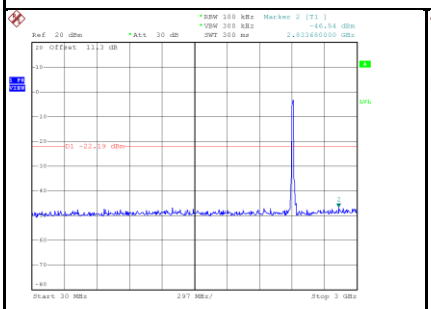
Date: 22.APR.2021 18:52:44

High Bandedge-2472 MHz

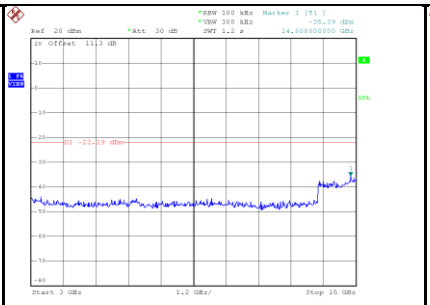


Date: 22.APR.2021 18:54:20

2412 MHz-10th Harmonics



Date: 22.APR.2021 18:45:37



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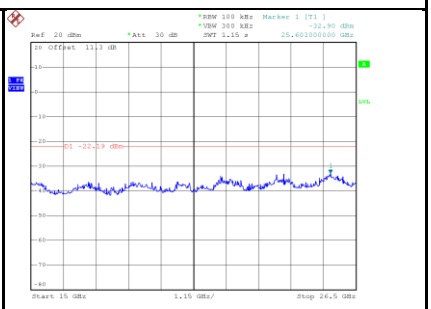

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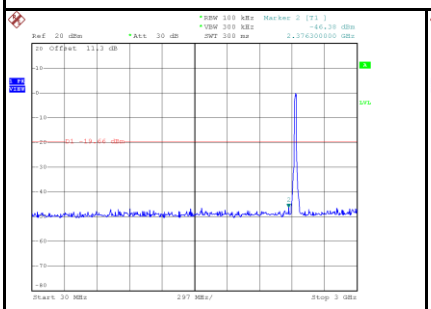
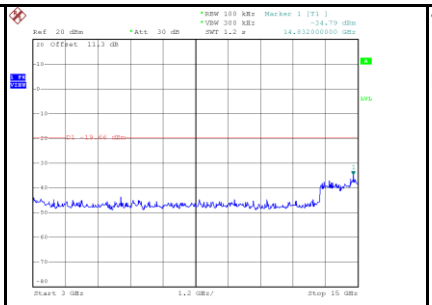
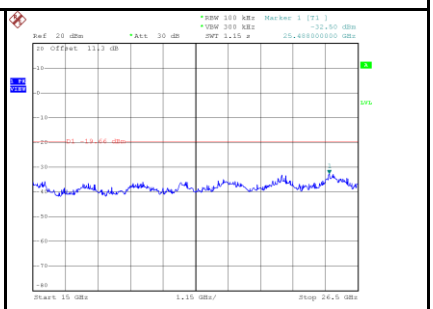
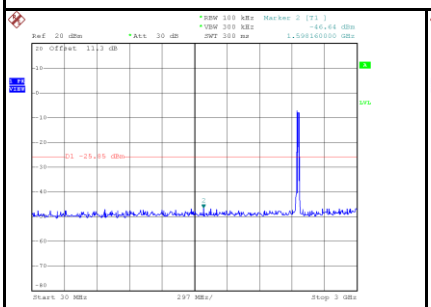
2437 MHz-10th Harmonics

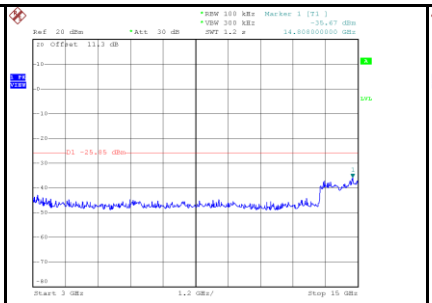


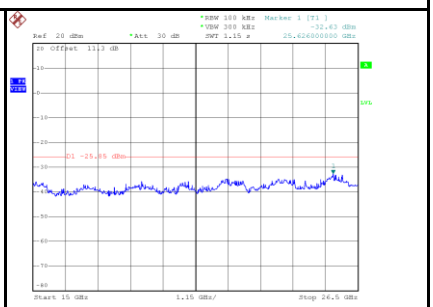




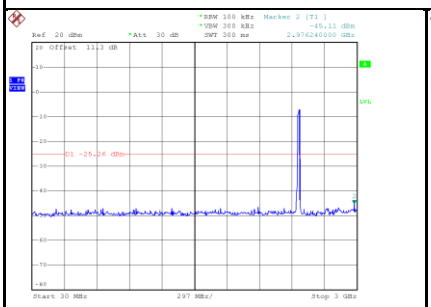
2462 MHz-10th Harmonics

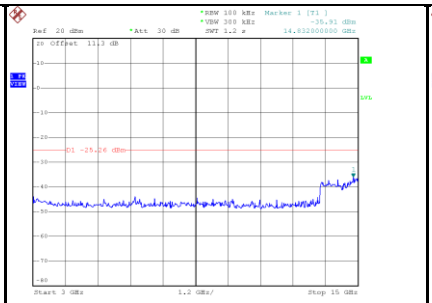


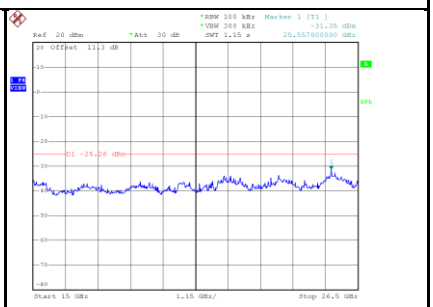




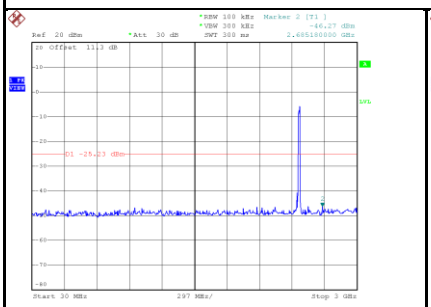
2467 MHz-10th Harmonics

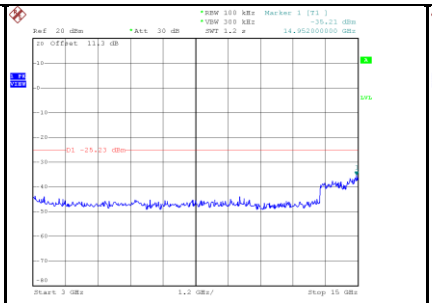


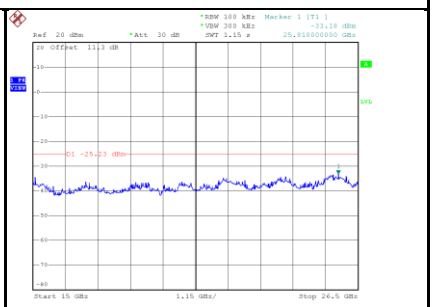




2472 MHz-10th Harmonics

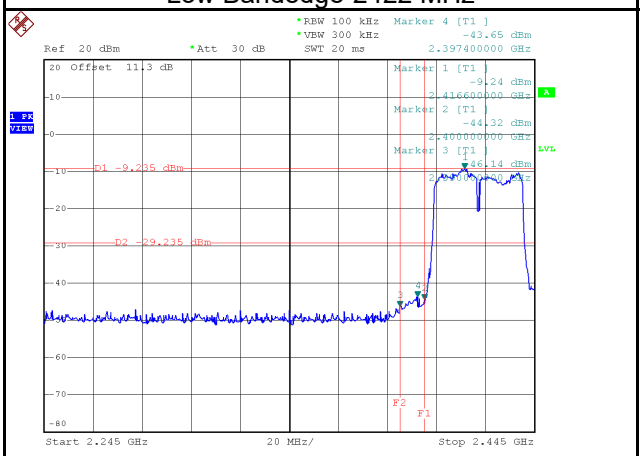






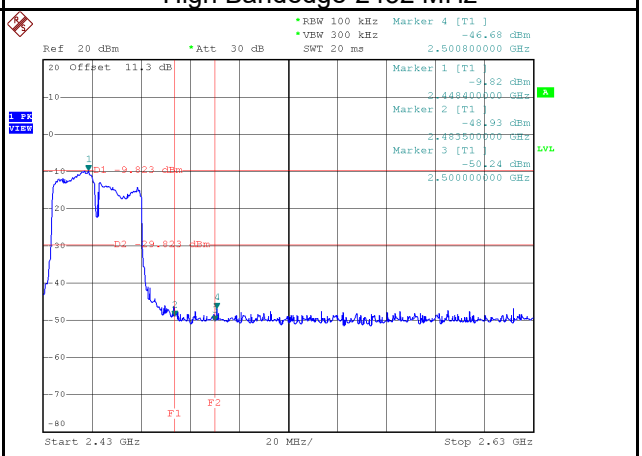
Test Mode	IEEE 802.11n (HT40)_Stubby antenna

Low Bandedge-2422 MHz



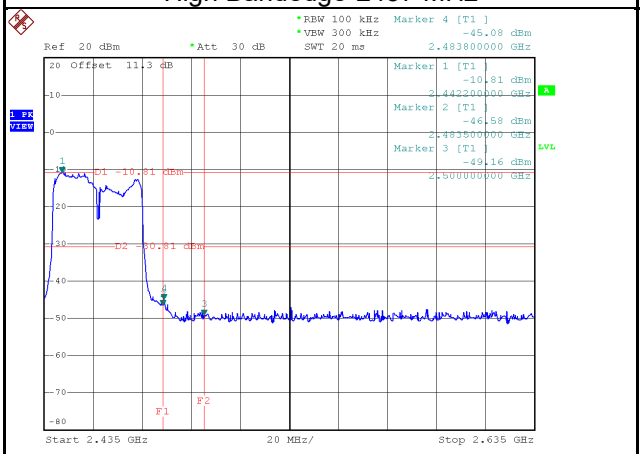
Date: 22.APR.2021 18:57:21

High Bandedge-2452 MHz



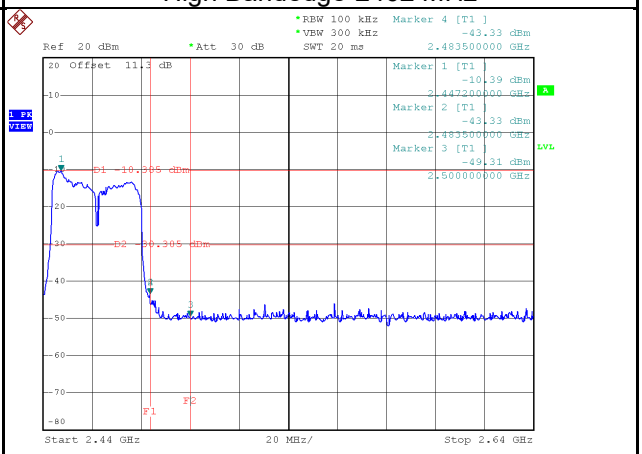
Date: 22.APR.2021 19:03:34

High Bandedge-2457 MHz



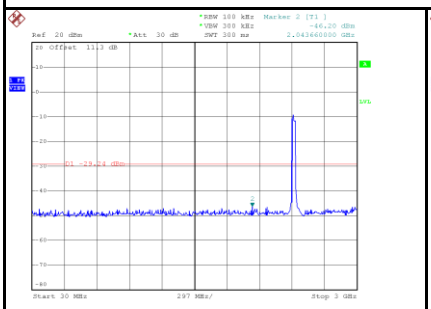
Date: 22.APR.2021 19:05:32

High Bandedge-2462 MHz

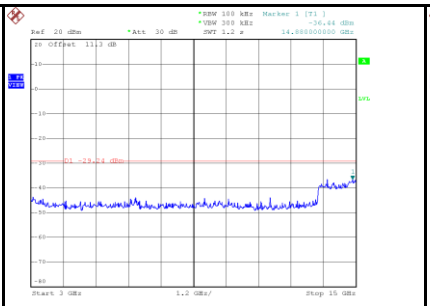


Date: 22.APR.2021 19:07:12

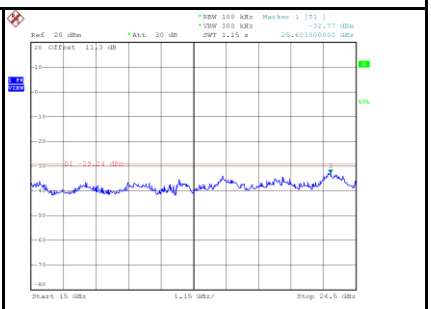
2422 MHz-10th Harmonics



Date: 22.APR.2021 18:57:34



Date: 22.APR.2021 18:57:41



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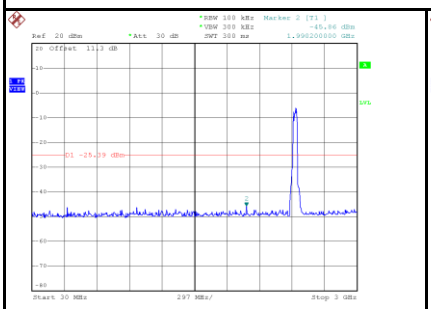
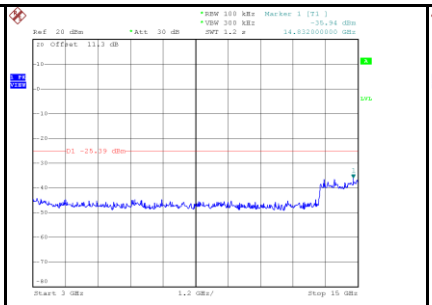
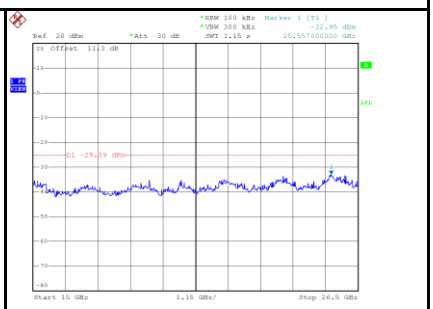
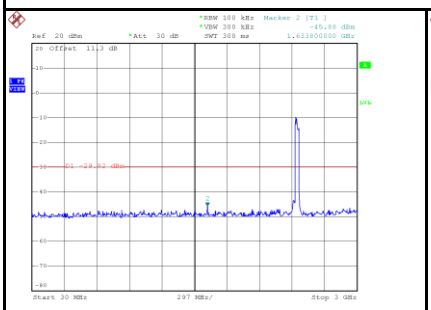
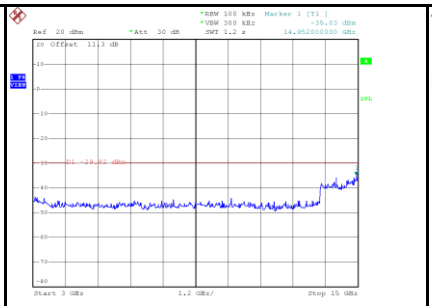
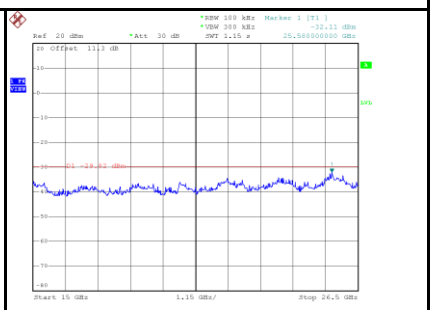
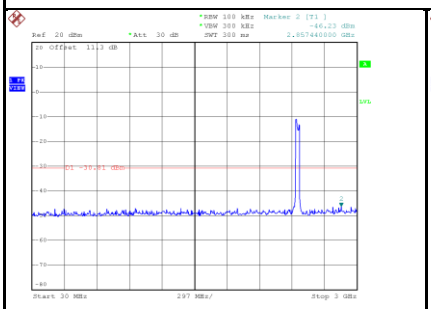
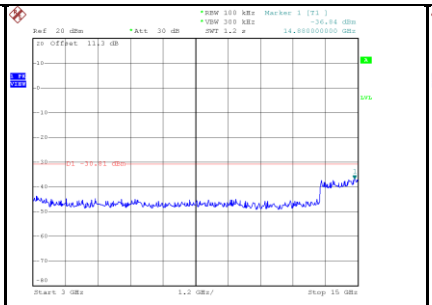
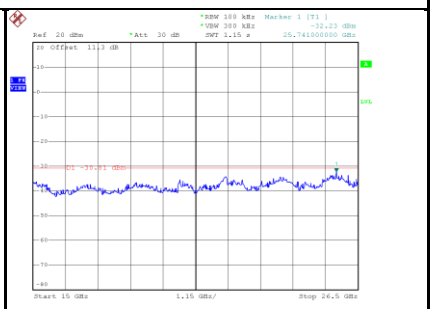
2437 MHz-10th Harmonics

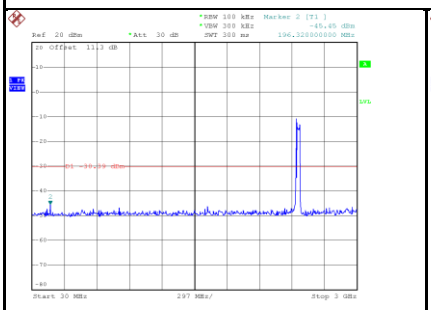
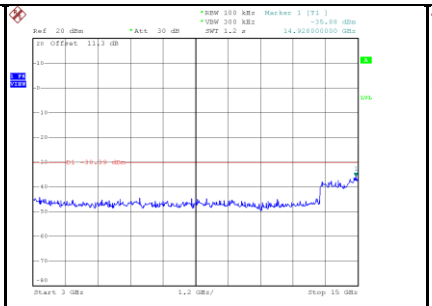
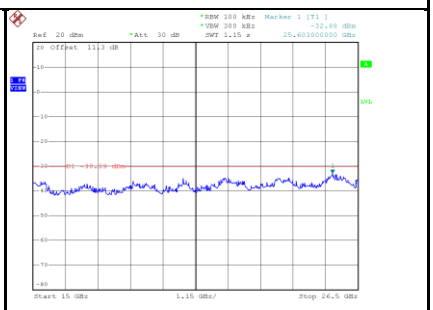
2452 MHz-10th Harmonics

2457 MHz-10th Harmonics

2462 MHz-10th Harmonics

End of Test Report