

FCC Radio Test Report

FCC ID: SPYMC432

Report No. : BTL-FCCP-3-2012T187
Equipment : Mobile Computer
Model Name : MC432
Brand Name : iMotion
Applicant : iWaylink Inc.
Address : 6F., NO. 288, SEC. 6, CIVIC BLVD., XINYI DIST., TAIPEI CITY 11087, TAIWAN (R.O.C.)

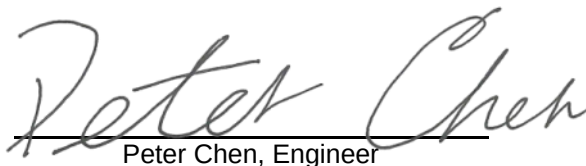
Radio Function : WLAN 2.4 GHz

FCC Rule Part(s) : FCC Part15, Subpart C (15.247)
Measurement Procedure(s) : ANSI C63.10-2013

Date of Receipt : 2021/1/26
Date of Test : 2021/1/26 ~ 2021/3/30
Issued Date : 2021/5/6

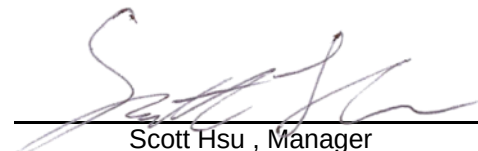
The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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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.

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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
BTL-FCCP-3-2012T187	R00	Original Report.	2021/4/21
BTL-FCCP-3-2012T187	R01	Revised report to address TCB's comments.	2021/5/6

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC Part 15, Subpart C (15.247)				
Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C	Pass	-----
15.247(a)	Bandwidth	APPENDIX D	Pass	-----
15.247(b)	Output Power	APPENDIX E	Pass	-----
15.247(e)	Power Spectral Density	APPENDIX F	Pass	-----
15.247(d)	Antenna conducted Spurious Emission	APPENDIX G	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.

☒ C05 ☐ CB08 ☐ CB11 ☒ CB15 ☐ CB16
☒ SR05

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately **95 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range	U,(dB)
CB15	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

C. Conducted test :

Test Item	U,(dB)
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
AC Power Line Conducted Emissions	23 °C, 70 %	AC 120V	Vincent Lee
Radiated emissions below 1 GHz	23 °C, 66 %	AC 120V	Jay Kao
Radiated emissions above 1 GHz	23 °C, 67 %	AC 120V	Jay Kao
Bandwidth	23.1 °C, 52 %	AC 120V	Vincent Lee
Output Power	23.1 °C, 52 %	AC 120V	Vincent Lee
Power Spectral Density	23.1 °C, 52 %	AC 120V	Vincent Lee
Antenna conducted Spurious Emission	23.1 °C, 52 %	AC 120V	Vincent Lee

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

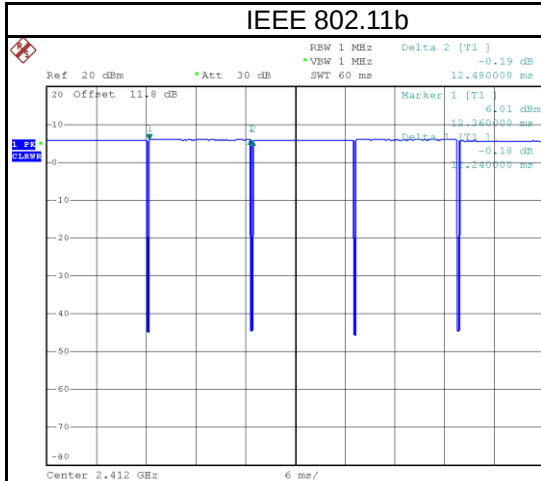
Test Software	QRCT Ver 3.0.268.0			
Mode	2412 MHz	2437 MHz	2462 MHz	Data Rate
IEEE 802.11b	12.5	13	13	1 Mbps
IEEE 802.11g	10.5	11	10.5	6 Mbps
IEEE 802.11n (HT20)	9.5	10	9.5	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	Data Rate
IEEE 802.11n (HT40)	7.5	7.5	8	MCS 0

1.5 DUTY CYCLE

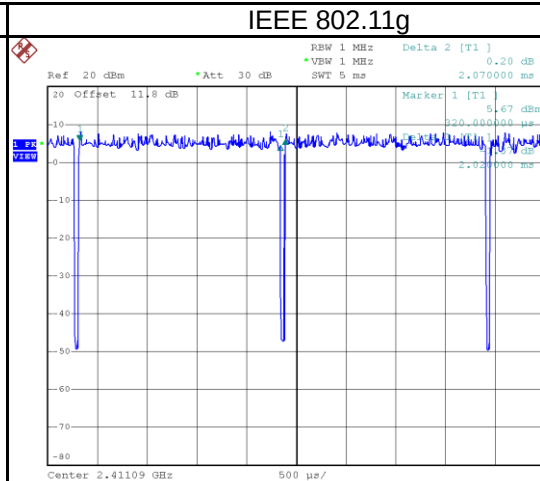
If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

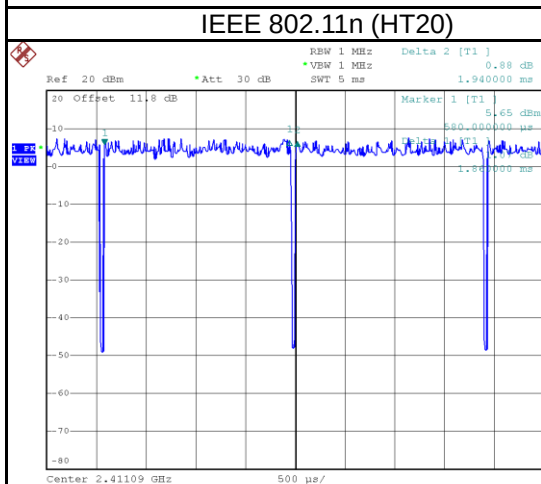
Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	12.24	1	12.24	12.48	98.08%	0.08
IEEE 802.11g	2.020	1	2.020	2.070	97.58%	0.11
IEEE 802.11n (HT20)	1.860	1	1.860	1.940	95.88%	0.18
IEEE 802.11n (HT40)	0.880	1	0.880	1.010	87.13%	0.60



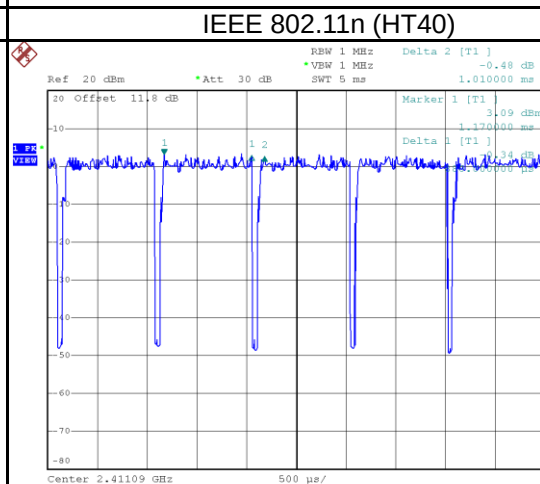
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2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Mobile Computer
Model Name	MC432
Brand Name	iMotion
Model Difference	The EUT includes two types Reader and memory: Honeywell: 64GB & Datalogic: 32GB.
Power Source	(1) DC Voltage supplied from AC/DC adapter. (2) Battery supplied.
Power Rating	(1) #1 (US type) I/P: 100-240V~50 / 60Hz, 0.5A O/P: 5V, 2.5A / 9V, 2A / 12V, 1.5A #2 (EU type) I/P: 100-240V~50 / 60Hz, 0.5A O/P: 5V, 3A / 9V, 2A / 12V, 1.5A #3 (UK Type) I/P: 100-240V~50 / 60Hz, 0.7A O/P: 5V, 3A / 9V, 2A / 12V, 1.5A (2) I/P: DC 3.85V, 3900mAh / 15.01Wh
Products Covered	1 * Travel Charger: Dongguan Aohai Technology Co., Ltd. / A138A-120150U-US2 2 * Reader: (1) Honeywell (memory: 64GB) (2) Datalogic (memory: 32GB) 2 * Power Adapter: (1) Jiangxi Jian Aohai Tecnology Co., Ltd. / A138A-120150U-EU4 (2) Dongguan Aohai Power Techology Co., Ltd. / A824-120150U-UK1 1 * Battery: ZhuHai COSMX / 1400-900057G 1 * Type C Cable: HOTRON/ D0017100R2SCZ
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Transfer Rate	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps
Output Power Max.	IEEE 802.11b: 17.83 dBm (0.0606 W) IEEE 802.11g: 17.95 dBm (0.0623W) IEEE 802.11n (HT20): 16.93 dBm (0.0493 W) IEEE 802.11n (HT40): 16.96 dBm (0.0496 W)
Test Model	MC432
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

(2) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

(3) Table for Filed Antenna:

Antenna	Manufacture	Model name	Type	Connector	Frequency (MHz)	Gain (dBi)
Main	Inpaq	MDA-LTE8LBG0LB-001	PIFA	N/A	2400	-4.41
					2500	-4.11
					5150	-0.90
					5250	-0.60
					5470	-0.14
					5850	2.39
Aux	Inpaq	MDA-LTE8LBG0LB-001	PIFA	N/A	2400	1.36
					2500	0.26
					5150	0.28
					5250	0.68
					5470	1.10
					5850	2.04

Note:

- The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).
- For Power Spectral Density (CDD mode)
 $\text{Directional Gain} = 10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^{2/N_{ANT}}\} = 2.06 \text{ dBi} < 6 \text{ dBi}$
- For Conducted Output Power (CDD mode)
For $N_{ANT} = 2 < 5$,
 $\text{Direction gain} = G_{ANT} + 0 = 1.36 + 0 = 1.36 \text{ dBi}$.
The Direction gain is less than 6 dBi, so conducted power limits will not be reduced.

(4) Operating Mode and Antenna Configuration:

TX Mode	Operating Mode	2TX
IEEE 802.11b		Main + Aux
IEEE 802.11g		Main + Aux
IEEE 802.11n (HT20)		Main + Aux
IEEE 802.11n (HT40)		Main + Aux

2.2 TEST MODES

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

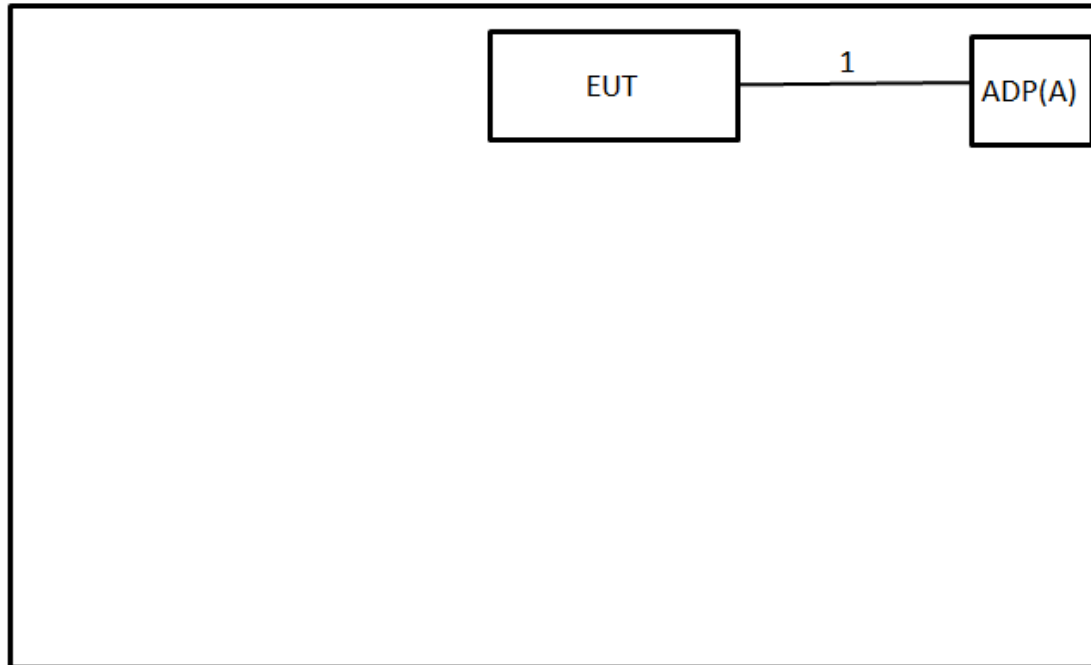
NOTE:

- (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.

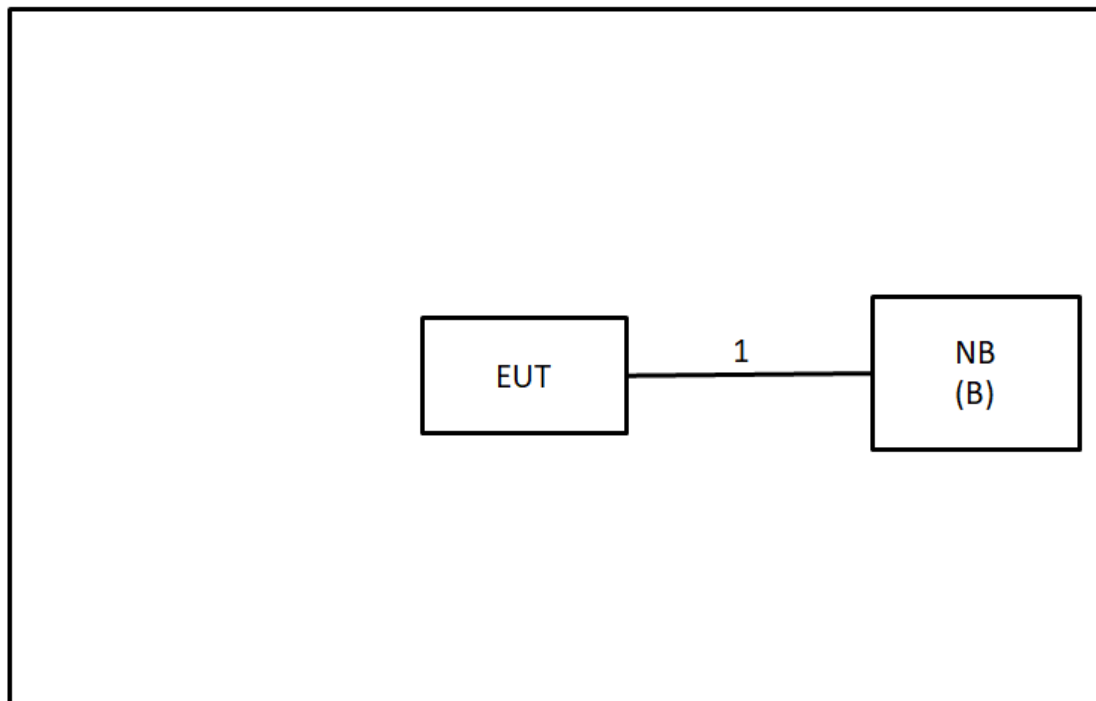
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC power line conducted emissions



Radiated Emissions



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	ADP	Dongguan Aohai Technology Co., Ltd.	A138A-120150U-US 2	N/A	Supplied by test requester
B	NB	hp	TPN-I119	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1m	Type C Cable	Furnished by test lab.

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
 Margin Level = Measurement Value – Limit Value
 Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
 All other support equipment were powered from an additional LISN(s).
 The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
 The end of the cable will be terminated, using the correct terminating impedance.
 The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

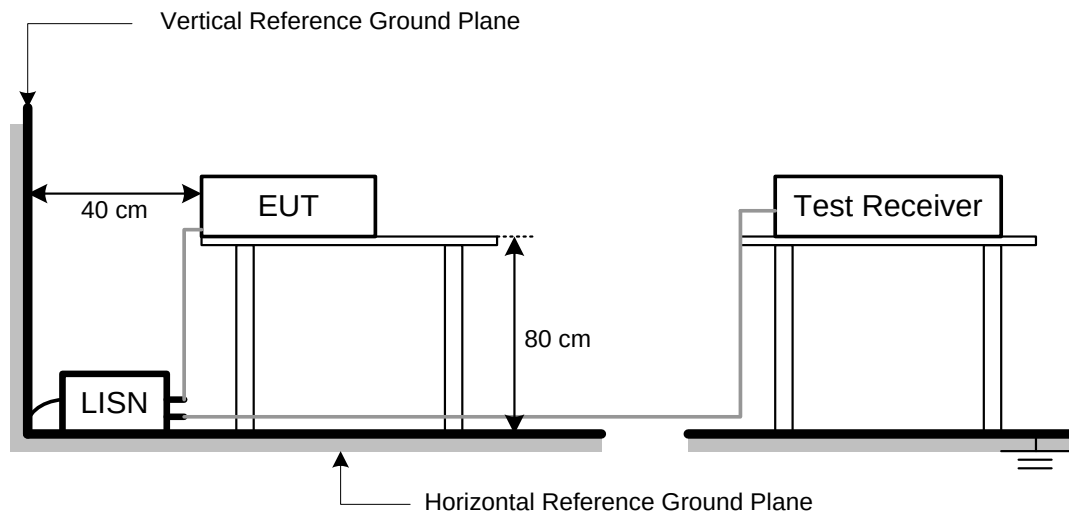
NOTE:

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used.
 BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.

4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

NOTE:

- (1) The limit for radiated test was performed according to FCC 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

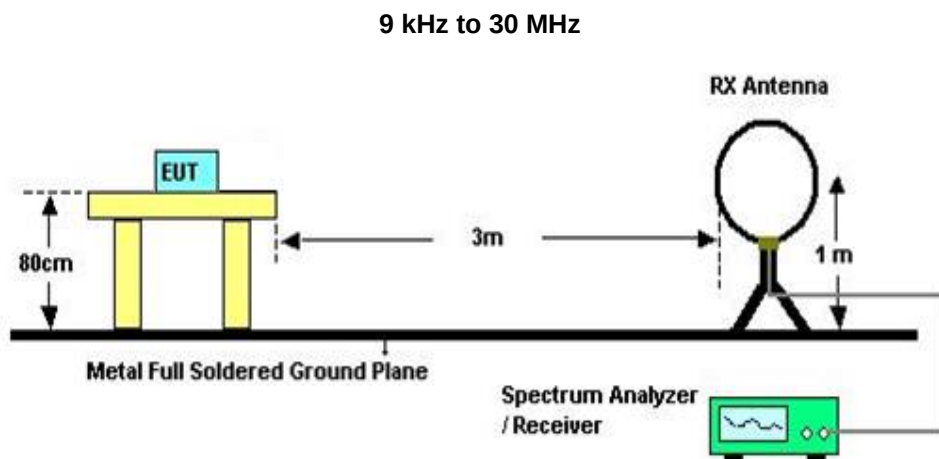
4.2 TEST PROCEDURE

- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

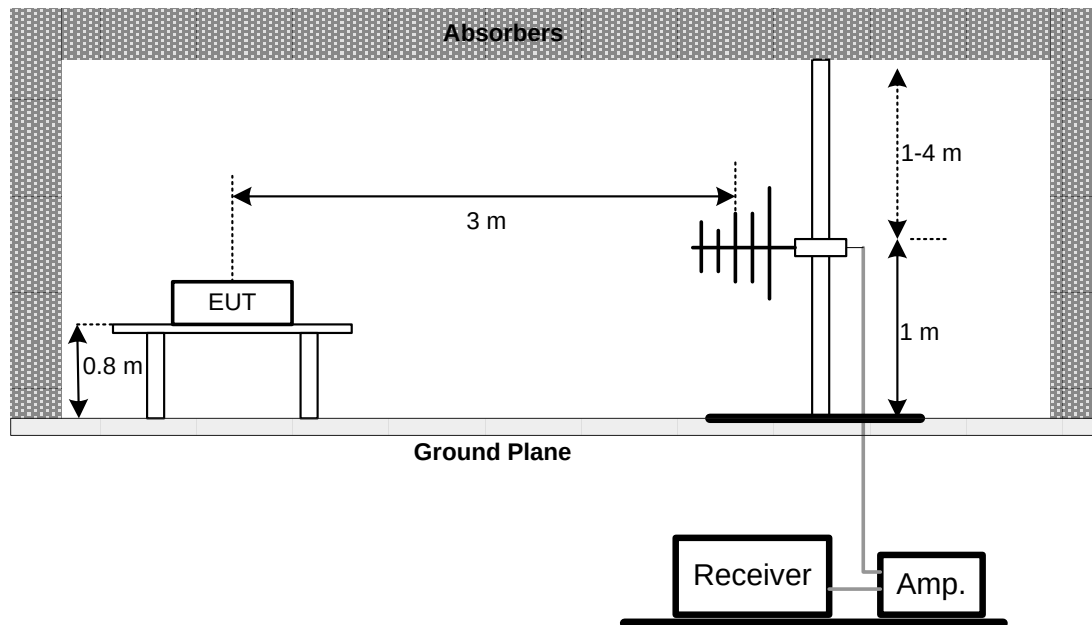
4.3 DEVIATION FROM TEST STANDARD

No deviation.

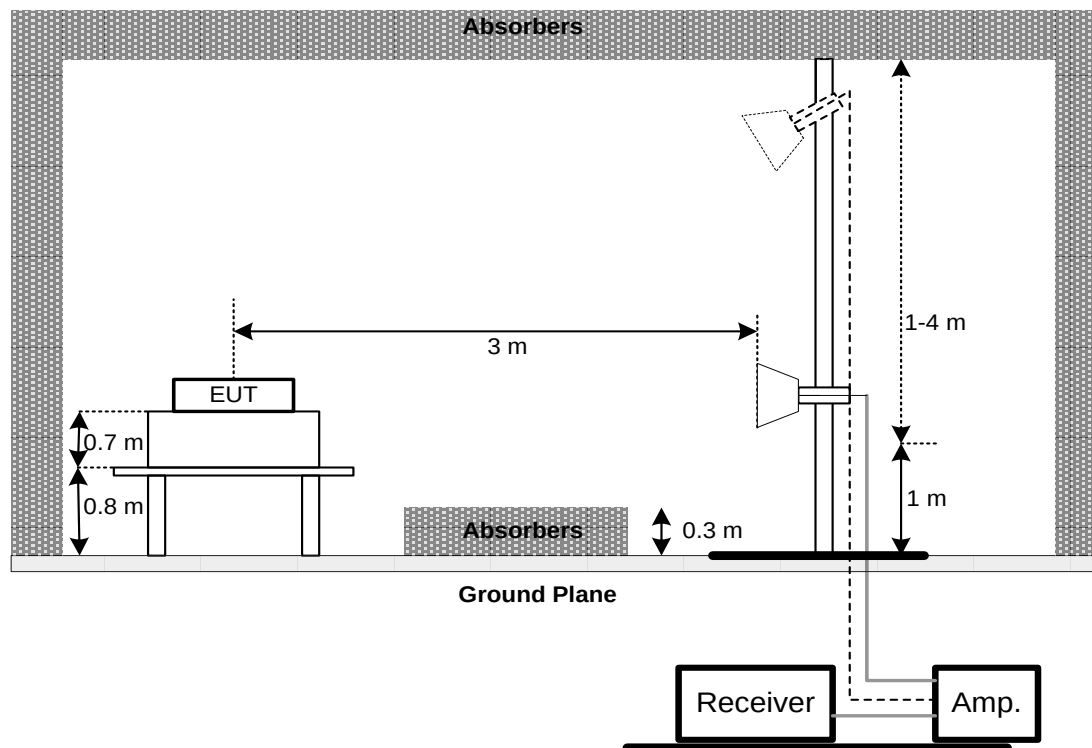
4.4 TEST SETUP



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – BELOW 30 MHZ

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

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

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

5 BANDWIDTH TEST

5.1 LIMIT

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

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX D.

6 OUTPUT POWER TEST

6.1 LIMIT

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

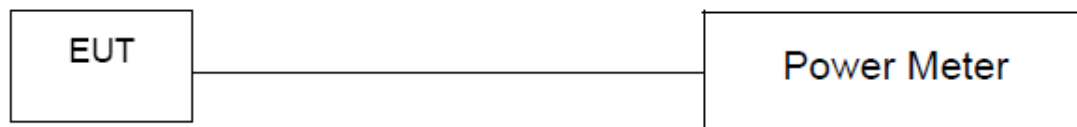
6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.
- Subclause 11.9.1.1 of ANSI C63.10 is applied. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

6.3 DEVIATION FROM TEST STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULT

Please refer to the APPENDIX E.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

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

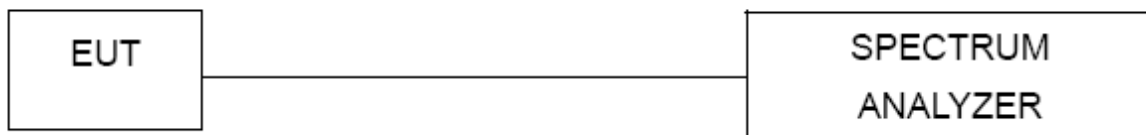
7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM TEST STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Please refer to the APPENDIX F.

8 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
- c. Offset = antenna gain + cable loss.

8.3 DEVIATION FROM TEST STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULT

Please refer to the APPENDIX G.

9 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	2020/6/11	2021/6/10
2	Test Cable	EMCI	EMC400-BM-BM-5000	170501	2020/6/8	2021/6/7
3	EMI Test Receiver	R&S	ESCI	100080	2020/6/15	2021/6/14
4	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC02325B	980217	2020/4/10	2021/4/9
2	Preamplifier	EMCI	EMC012645B	980267	2020/4/10	2021/4/9
3	Preamplifier	EMCI	EMC001340	980555	2020/4/10	2021/4/9
4	Test Cable	EMCI	EMC-SM-SM-1000	180809	2020/4/10	2021/4/9
5	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2020/4/10	2021/4/9
6	Test Cable	EMCI	EMC-SM-SM-7000	180408	2020/4/10	2021/4/9
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	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2020/6/12	2021/6/11
10	Horn Ant	Schwarzbeck	BBHA 9170	BBHA 9170340	2020/7/9	2021/7/8
11	Loop Ant	Electro-Metrics	EMCI-LPA600	274	2020/6/16	2021/6/15
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	ML2495A	1128008	2020/6/11	2021/6/10
2	Power Sensor	Anritsu	MA2411B	1126001	2020/6/11	2021/6/10

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

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

10 EUT TEST PHOTO

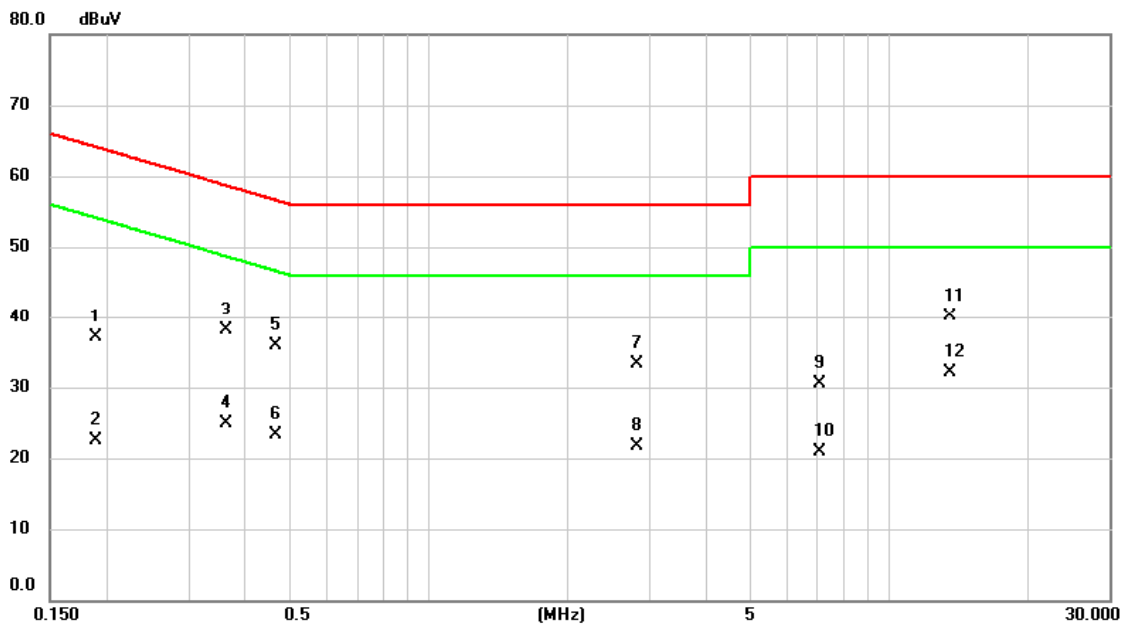
Please refer to document Appendix No.: TP-2012T187-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2012T187-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2021/3/19
Test Frequency	-	Phase	Line

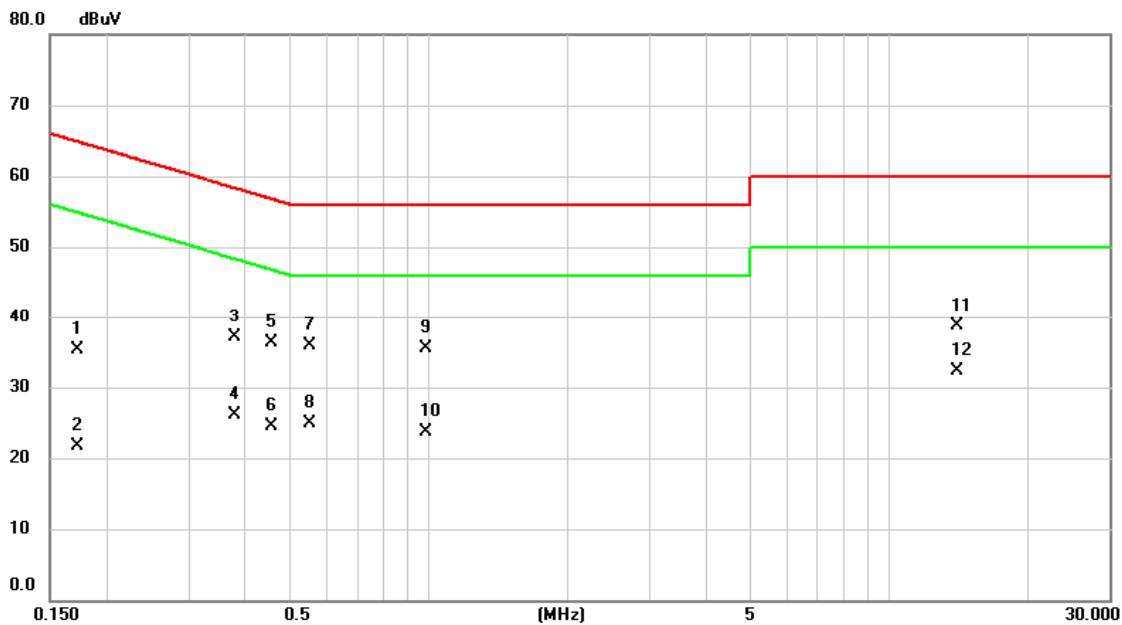


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1882	27.37	9.67	37.04	64.12	-27.08	QP	
2		0.1882	12.92	9.67	22.59	54.12	-31.53	AVG	
3		0.3636	28.36	9.68	38.04	58.65	-20.61	QP	
4		0.3636	15.30	9.68	24.98	48.65	-23.67	AVG	
5		0.4672	26.14	9.68	35.82	56.56	-20.74	QP	
6		0.4672	13.55	9.68	23.23	46.56	-23.33	AVG	
7		2.8252	23.51	9.76	33.27	56.00	-22.73	QP	
8		2.8252	11.98	9.76	21.74	46.00	-24.26	AVG	
9		7.0552	20.70	9.87	30.57	60.00	-29.43	QP	
10		7.0552	11.10	9.87	20.97	50.00	-29.03	AVG	
11		13.5600	30.11	9.94	40.05	60.00	-19.95	QP	
12	*	13.5600	22.13	9.94	32.07	50.00	-17.93	AVG	

REMARKS:

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

Test Mode	Normal	Tested Date	2021/3/19
Test Frequency	-	Phase	Neutral

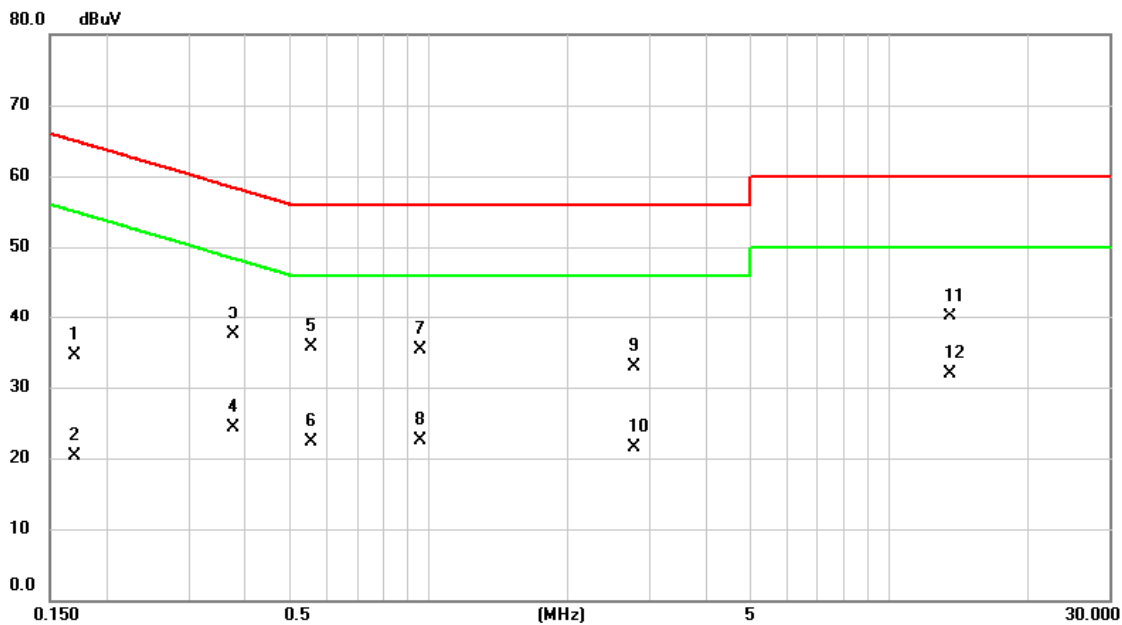


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1725	25.71	9.68	35.39	64.84	-29.45	QP	
2		0.1725	11.97	9.68	21.65	54.84	-33.19	AVG	
3		0.3794	27.34	9.68	37.02	58.29	-21.27	QP	
4		0.3794	16.36	9.68	26.04	48.29	-22.25	AVG	
5		0.4560	26.67	9.68	36.35	56.77	-20.42	QP	
6		0.4560	14.76	9.68	24.44	46.77	-22.33	AVG	
7		0.5527	26.32	9.68	36.00	56.00	-20.00	QP	
8		0.5527	15.20	9.68	24.88	46.00	-21.12	AVG	
9		0.9847	25.82	9.69	35.51	56.00	-20.49	QP	
10		0.9847	13.97	9.69	23.66	46.00	-22.34	AVG	
11		14.0167	28.67	9.94	38.61	60.00	-21.39	QP	
12	*	14.0167	22.34	9.94	32.28	50.00	-17.72	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2021/3/19
Test Frequency	-	Phase	Line

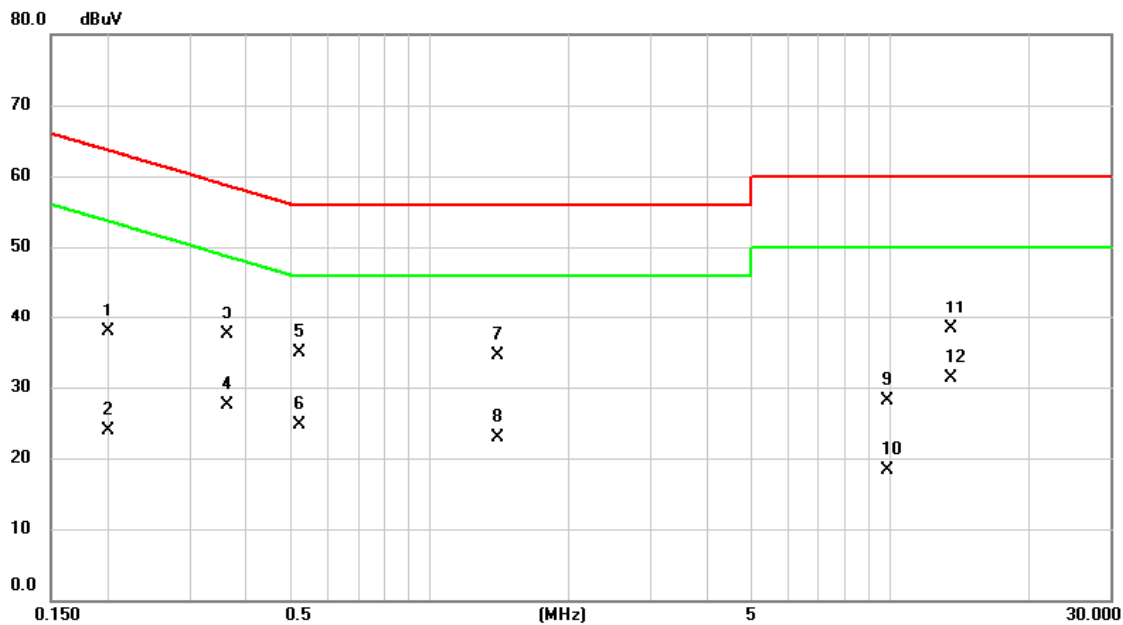


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1703	24.89	9.68	34.57	64.95	-30.38	QP	
2		0.1703	10.60	9.68	20.28	54.95	-34.67	AVG	
3		0.3772	27.87	9.68	37.55	58.34	-20.79	QP	
4		0.3772	14.53	9.68	24.21	48.34	-24.13	AVG	
5		0.5550	25.94	9.68	35.62	56.00	-20.38	QP	
6		0.5550	12.68	9.68	22.36	46.00	-23.64	AVG	
7		0.9577	25.69	9.69	35.38	56.00	-20.62	QP	
8		0.9577	12.78	9.69	22.47	46.00	-23.53	AVG	
9		2.7802	23.19	9.76	32.95	56.00	-23.05	QP	
10		2.7802	11.75	9.76	21.51	46.00	-24.49	AVG	
11		13.5600	30.26	9.94	40.20	60.00	-19.80	QP	
12	*	13.5600	21.98	9.94	31.92	50.00	-18.08	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2021/3/19
Test Frequency	-	Phase	Neutral



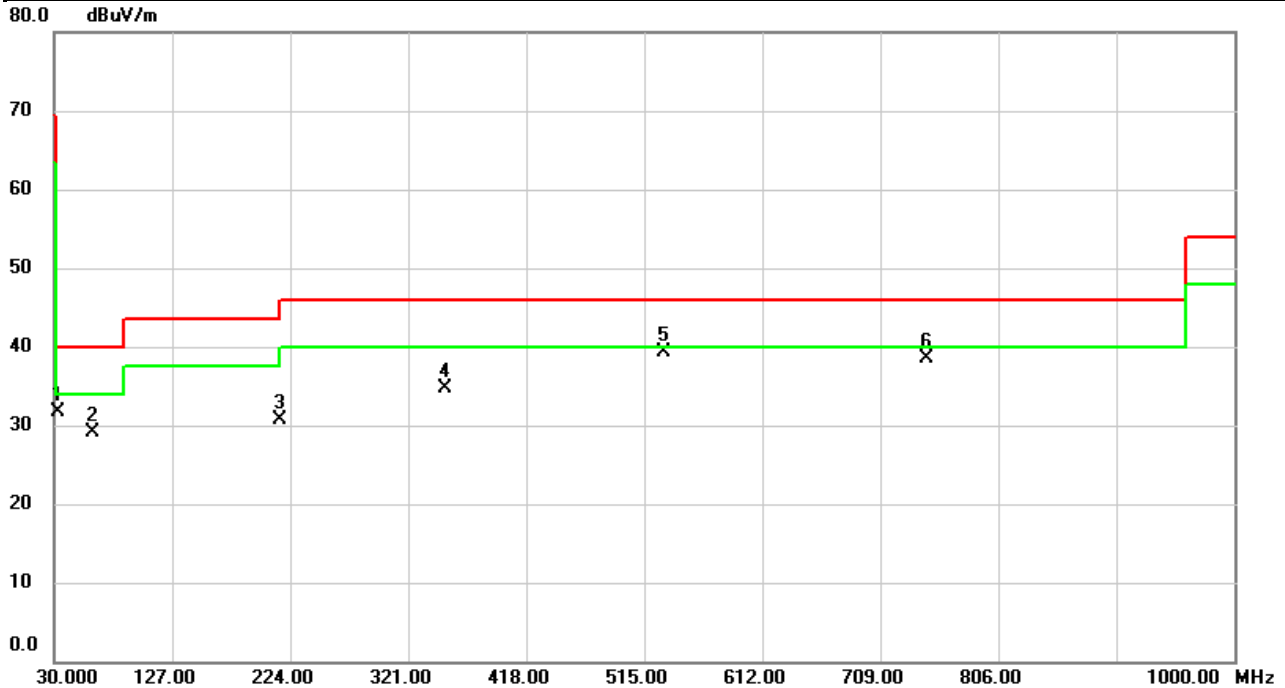
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1995	28.16	9.67	37.83	63.63	-25.80	QP	
2		0.1995	14.28	9.67	23.95	53.63	-29.68	AVG	
3		0.3636	27.75	9.68	37.43	58.65	-21.22	QP	
4		0.3636	17.83	9.68	27.51	48.65	-21.14	AVG	
5		0.5212	25.20	9.68	34.88	56.00	-21.12	QP	
6		0.5212	14.97	9.68	24.65	46.00	-21.35	AVG	
7		1.4010	24.88	9.71	34.59	56.00	-21.41	QP	
8		1.4010	13.15	9.71	22.86	46.00	-23.14	AVG	
9		9.8925	18.25	9.93	28.18	60.00	-31.82	QP	
10		9.8925	8.31	9.93	18.24	50.00	-31.76	AVG	
11		13.5600	28.35	9.94	38.29	60.00	-21.71	QP	
12	*	13.5600	21.27	9.94	31.21	50.00	-18.79	AVG	

REMARKS:

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

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	IEEE 802.11b_Total	Test Date	2021/3/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	66%

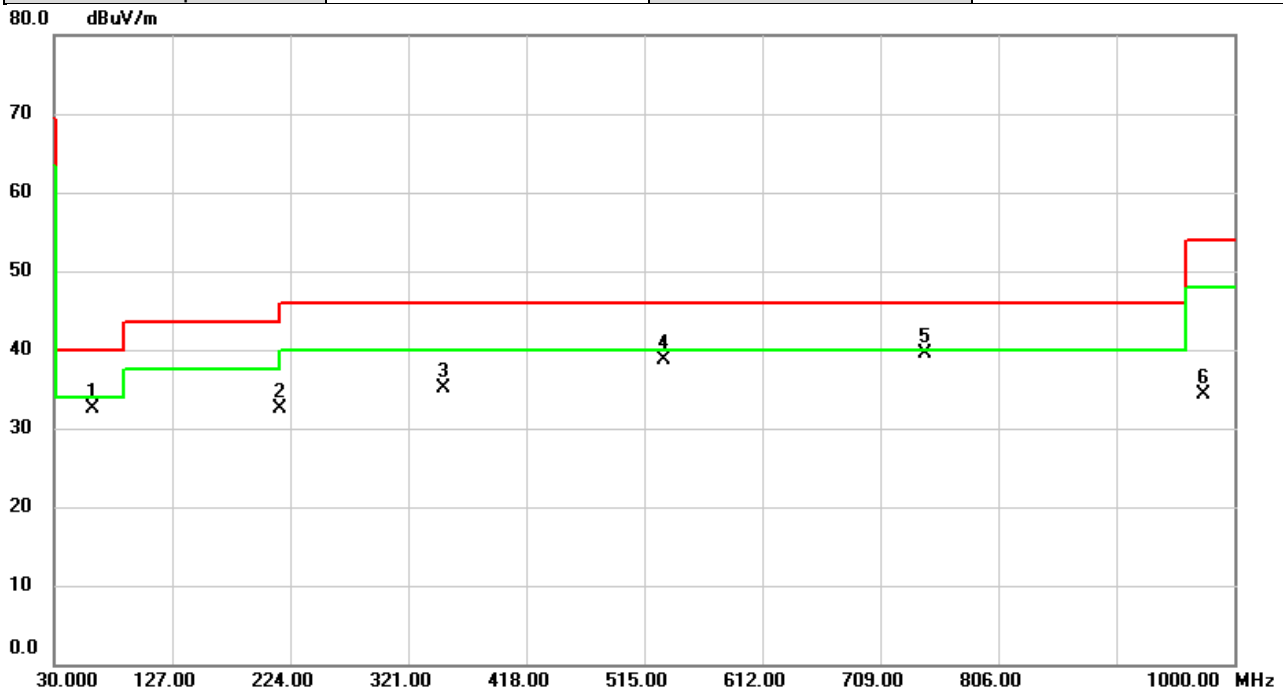


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		32.7160	40.79	-9.04	31.75	40.00	-8.25	peak	
2		61.2340	38.00	-8.92	29.08	40.00	-10.92	peak	
3		215.9813	41.56	-10.82	30.74	43.50	-12.76	peak	
4		351.4903	40.82	-6.10	34.72	46.00	-11.28	peak	
5	*	531.1020	41.49	-2.15	39.34	46.00	-6.66	peak	
6		746.7330	36.68	1.86	38.54	46.00	-7.46	peak	

REMARKS:

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

Test Mode	IEEE 802.11b_Total	Test Date	2021/3/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	66%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		61.2340	41.49	-8.92	32.57	40.00	-7.43	peak	
2		216.0136	43.42	-10.82	32.60	46.00	-13.40	peak	
3		350.3910	41.27	-6.13	35.14	46.00	-10.86	peak	
4		531.7486	40.92	-2.14	38.78	46.00	-7.22	peak	
5	*	746.4420	37.68	1.86	39.54	46.00	-6.46	peak	
6		974.2303	28.82	5.39	34.21	54.00	-19.79	peak	

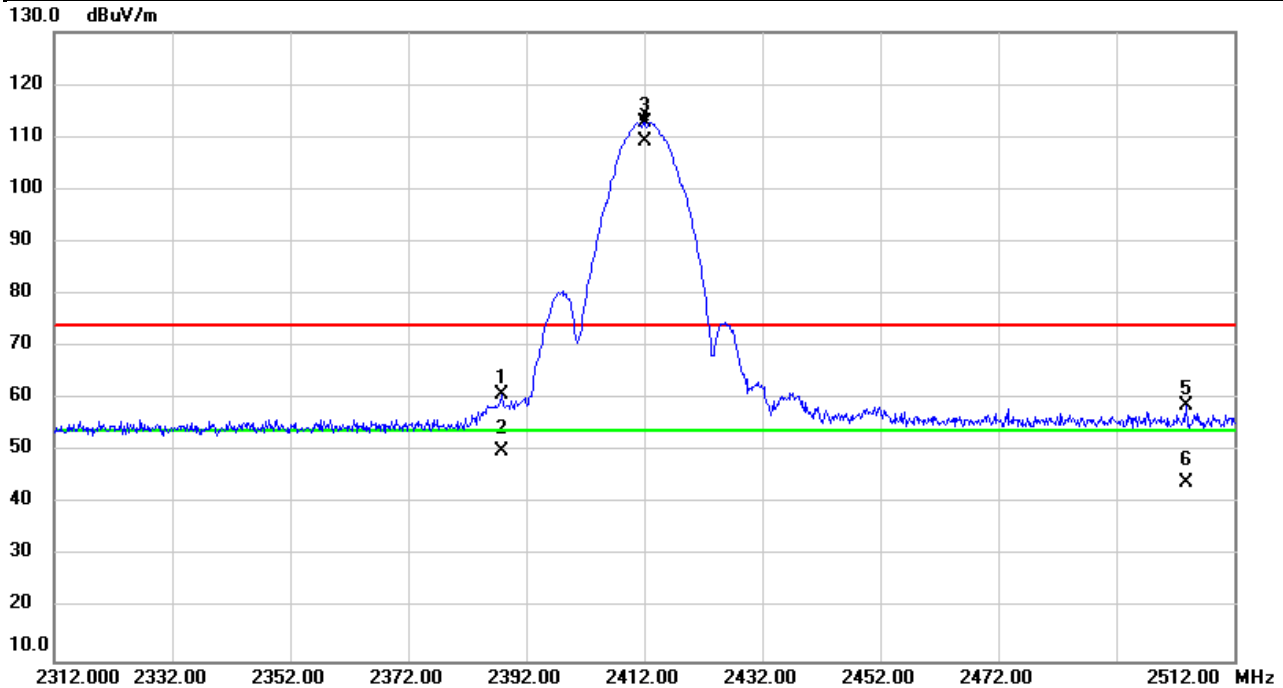
REMARKS:

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

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

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	IEEE 802.11b_Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

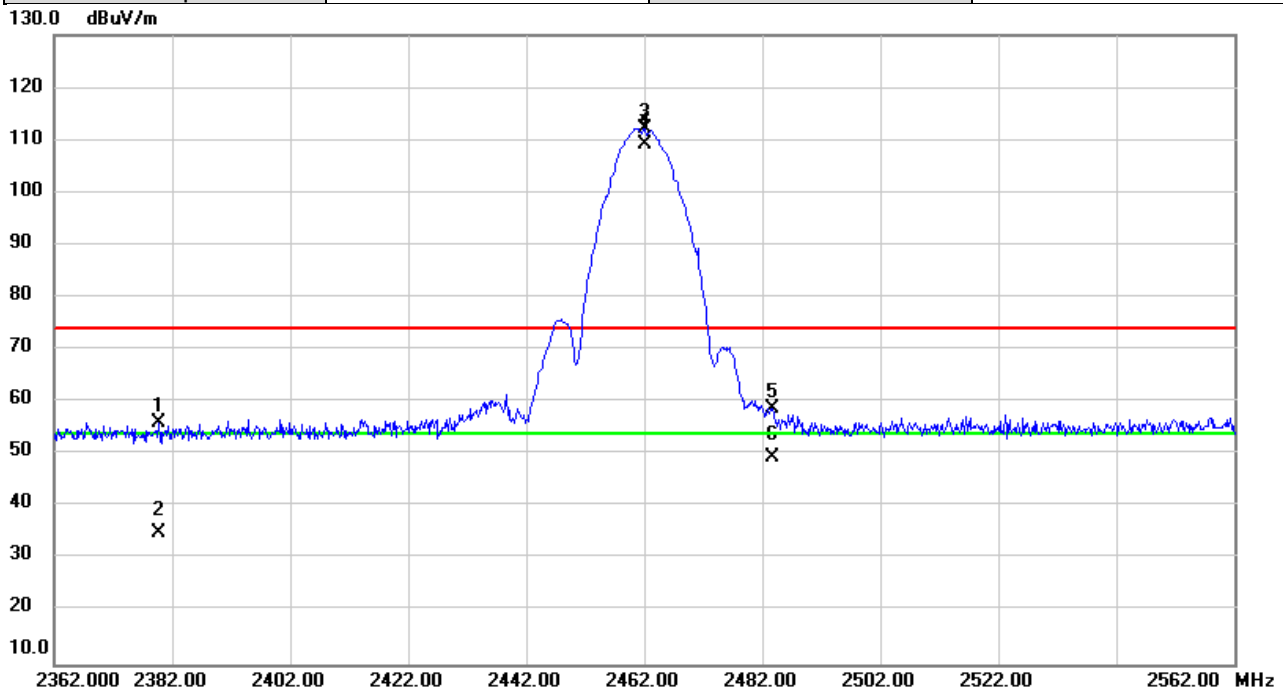


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.960	30.04	30.78	60.82	74.00	-13.18	peak	
2		2387.960	19.41	30.78	50.19	54.00	-3.81	AVG	
3	X	2412.000	81.90	30.88	112.78	74.00	38.78	peak	NoLimit
4	*	2412.000	78.35	30.88	109.23	54.00	55.23	AVG	NoLimit
5		2503.873	27.55	31.24	58.79	74.00	-15.21	peak	
6		2503.873	12.90	31.24	44.14	54.00	-9.86	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b_Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

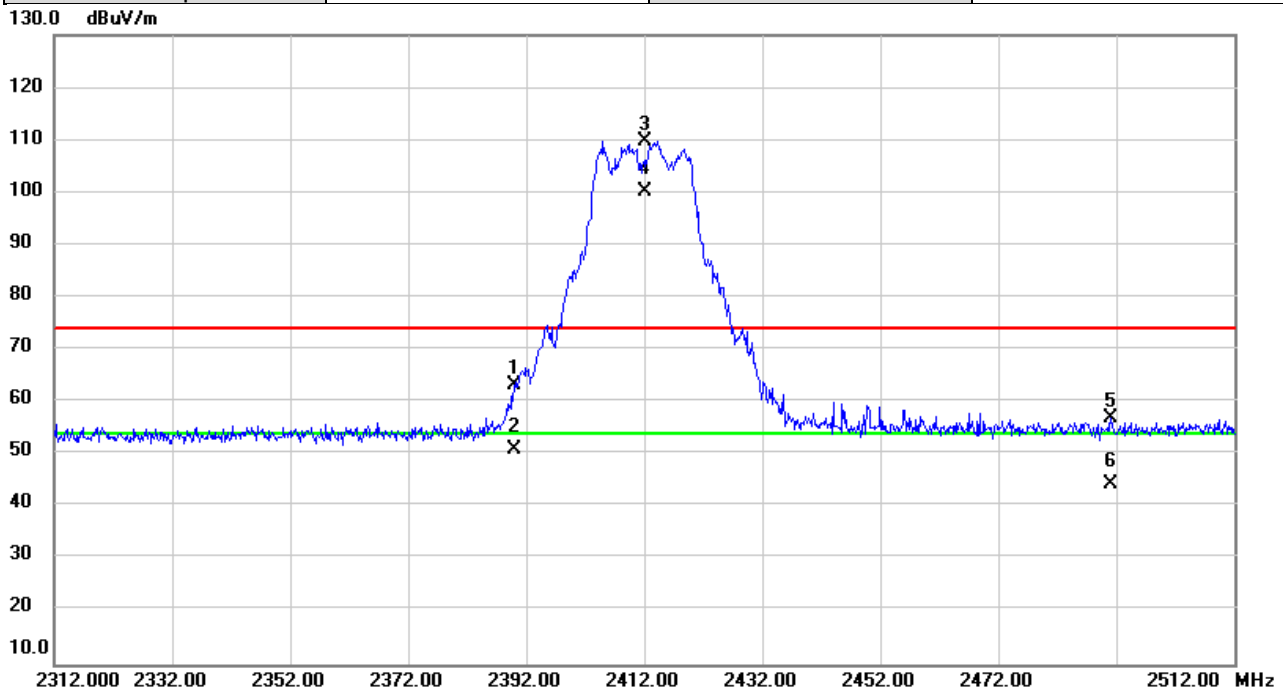


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2379.620	25.32	30.75	56.07	74.00	-17.93	peak	
2		2379.620	4.39	30.75	35.14	54.00	-18.86	AVG	
3	X	2462.000	81.19	31.08	112.27	74.00	38.27	peak	NoLimit
4	*	2462.000	77.98	31.08	109.06	54.00	55.06	AVG	NoLimit
5		2483.620	27.61	31.16	58.77	74.00	-15.23	peak	
6		2483.620	18.34	31.16	49.50	54.00	-4.50	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g_Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



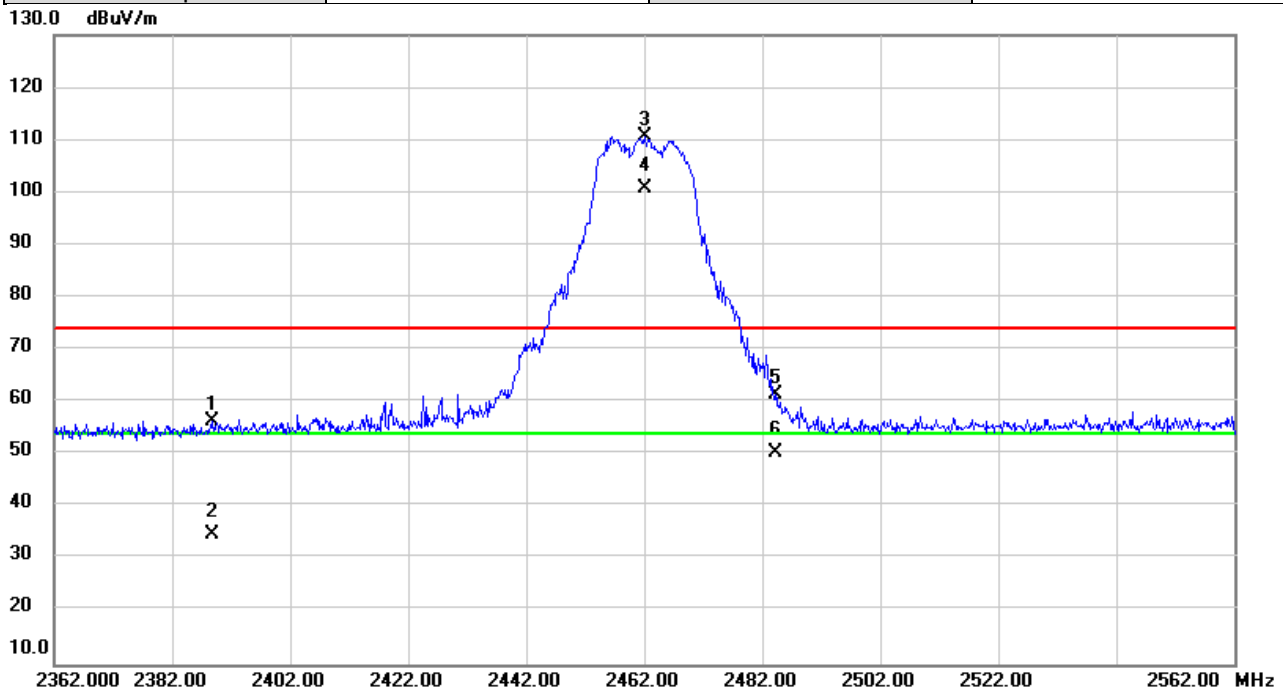
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.980	32.55	30.79	63.34	74.00	-10.66	peak	
2		2389.980	20.14	30.79	50.93	54.00	-3.07	AVG	
3	X	2412.000	78.95	30.88	109.83	74.00	35.83	peak	
4	*	2412.000	69.14	30.88	100.02	54.00	46.02	AVG	
5		2491.033	25.85	31.19	57.04	74.00	-16.96	peak	
6		2491.033	13.05	31.19	44.24	54.00	-9.76	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g_Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



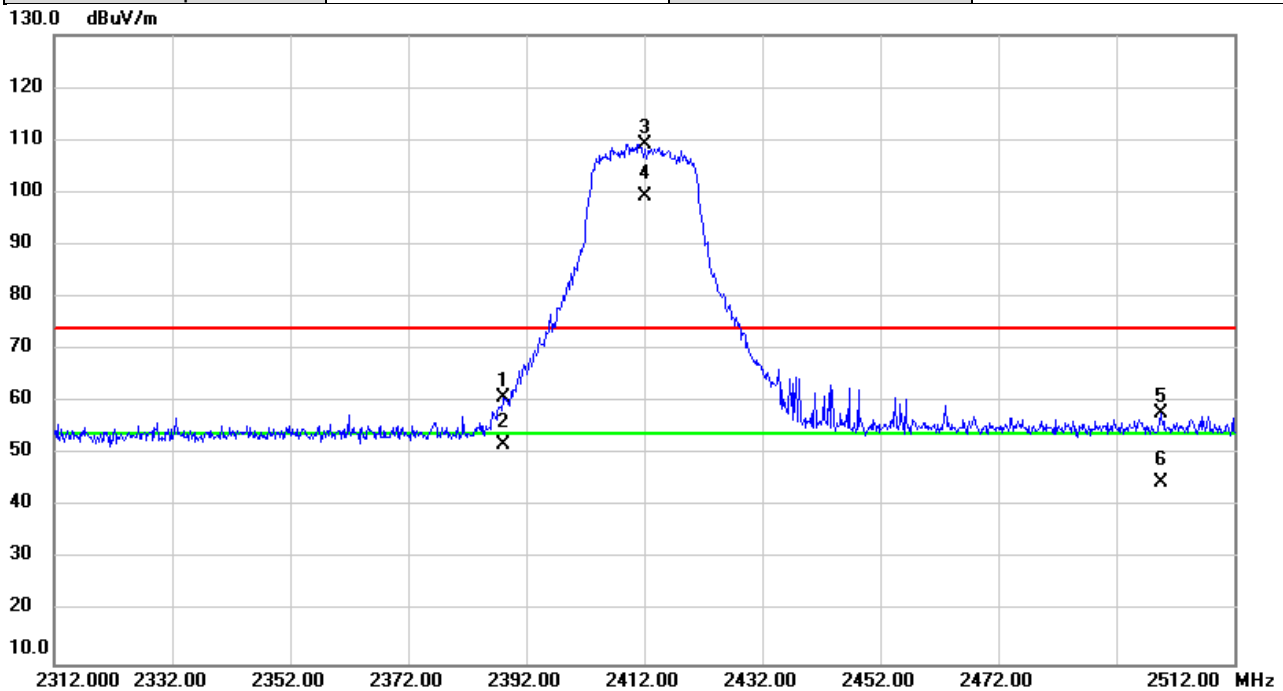
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.913	25.61	30.78	56.39	74.00	-17.61	peak	
2		2388.913	4.09	30.78	34.87	54.00	-19.13	AVG	
3	X	2462.000	79.68	31.08	110.76	74.00	36.76	peak	NoLimit
4	*	2462.000	69.75	31.08	100.83	54.00	46.83	AVG	NoLimit
5		2484.327	30.15	31.17	61.32	74.00	-12.68	peak	
6		2484.327	19.30	31.17	50.47	54.00	-3.53	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)_Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

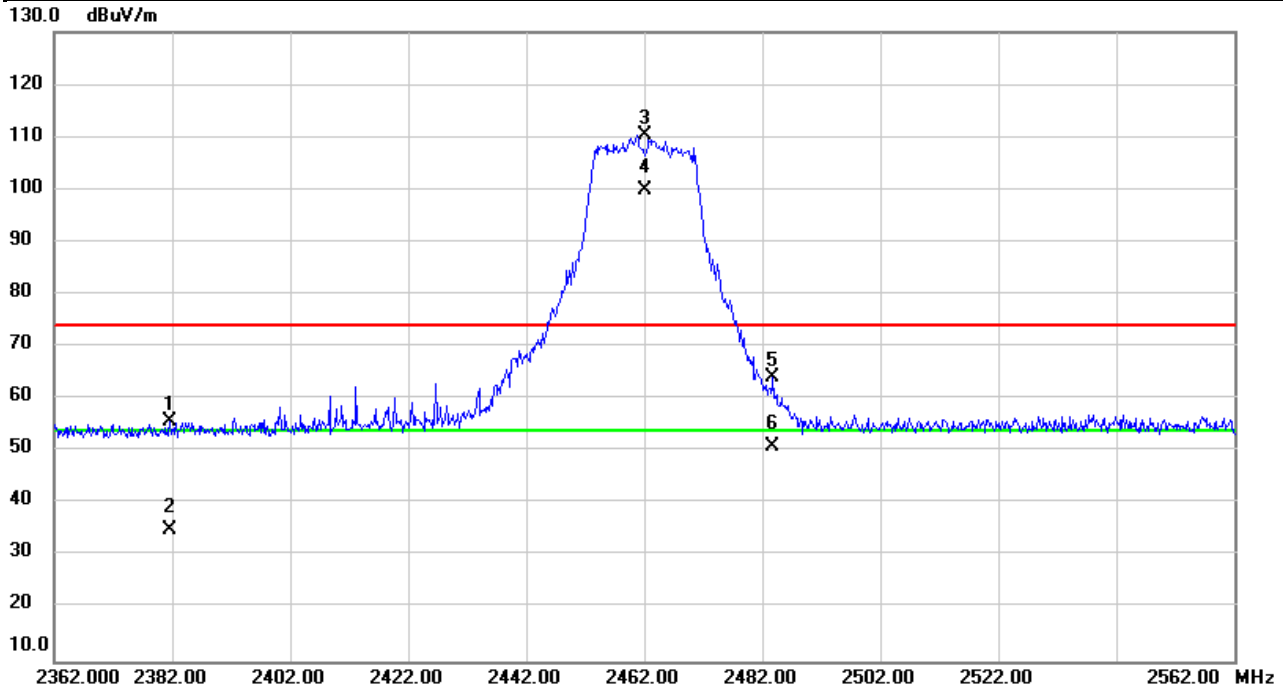


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.247	29.96	30.78	60.74	74.00	-13.26	peak	
2		2388.247	21.03	30.78	51.81	54.00	-2.19	AVG	
3	X	2412.000	78.35	30.88	109.23	74.00	35.23	peak	NoLimit
4	*	2412.000	68.28	30.88	99.16	54.00	45.16	AVG	NoLimit
5		2499.580	26.60	31.23	57.83	74.00	-16.17	peak	
6		2499.580	13.43	31.23	44.66	54.00	-9.34	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)_Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

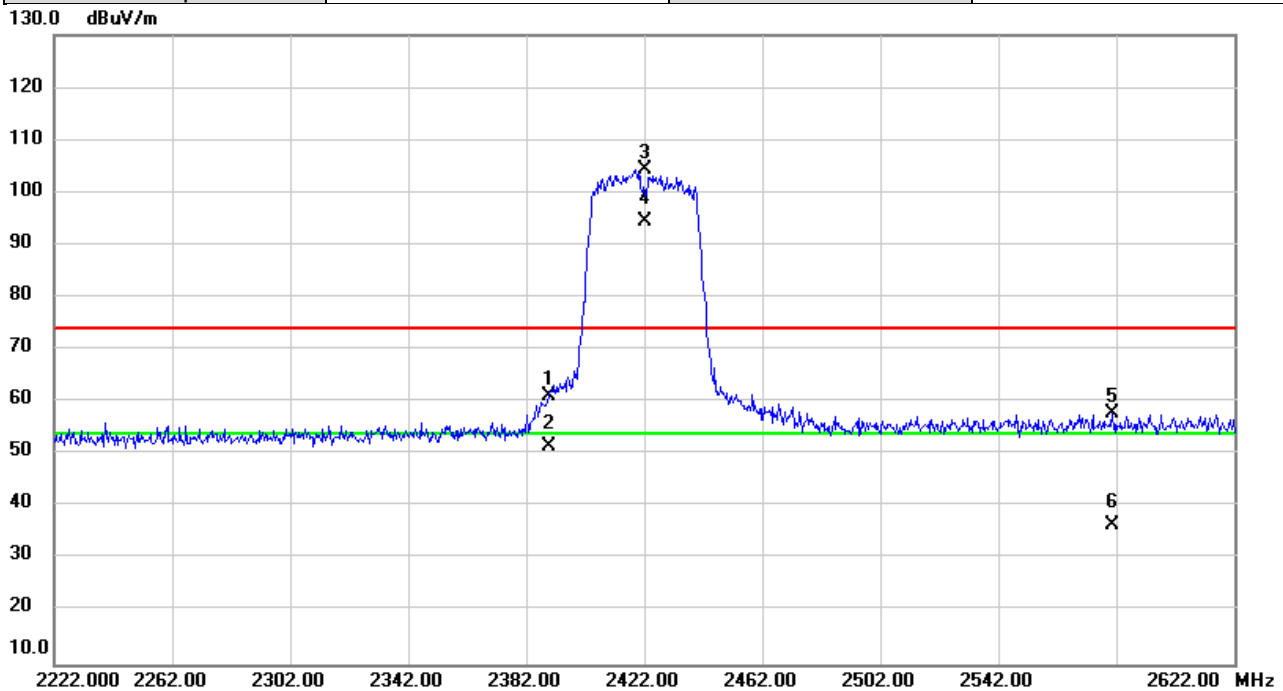


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2381.667	25.04	30.76	55.80	74.00	-18.20	peak	
2		2381.667	4.22	30.76	34.98	54.00	-19.02	AVG	
3	X	2462.000	79.13	31.08	110.21	74.00	36.21	peak	NoLimit
4	*	2462.000	68.86	31.08	99.94	54.00	45.94	AVG	NoLimit
5		2483.833	32.91	31.17	64.08	74.00	-9.92	peak	
6		2483.833	19.72	31.17	50.89	54.00	-3.11	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2422MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



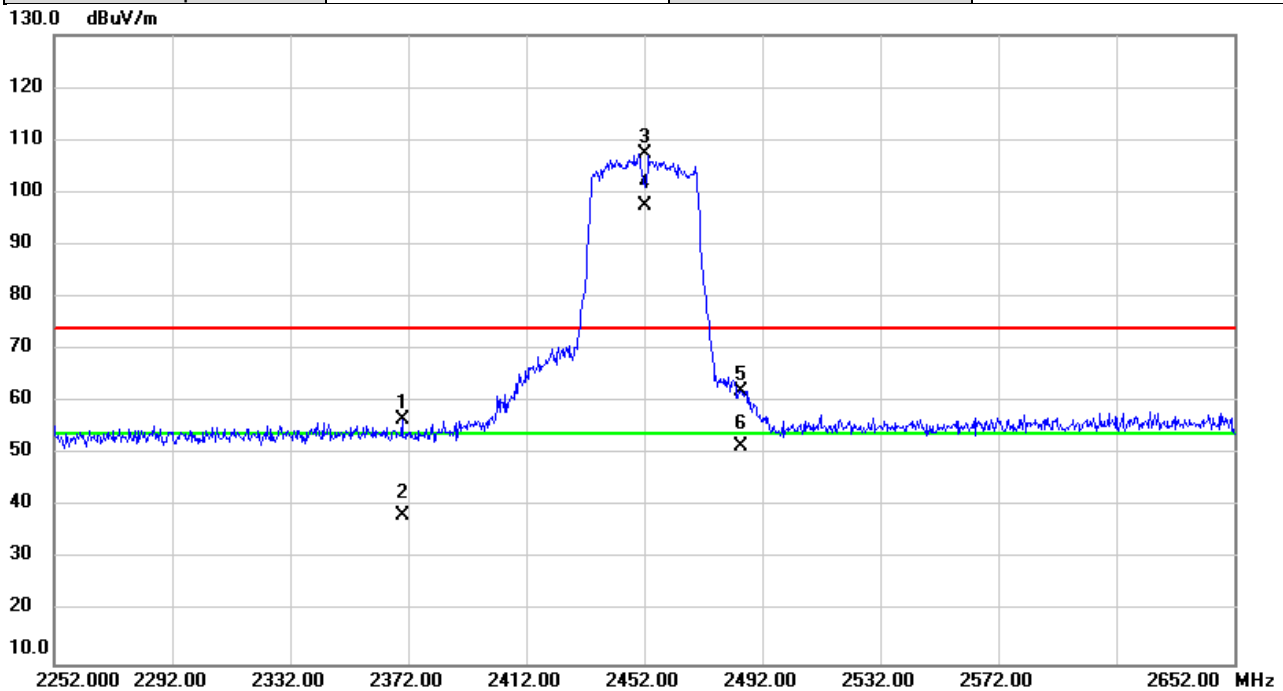
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.587	30.26	30.78	61.04	74.00	-12.96	peak	
2		2389.587	20.65	30.78	51.43	54.00	-2.57	AVG	
3	X	2422.000	73.55	30.91	104.46	74.00	30.46	peak	NoLimit
4	*	2422.000	63.50	30.91	94.41	54.00	40.41	AVG	NoLimit
5		2580.640	26.24	31.57	57.81	74.00	-16.19	peak	
6		2580.640	5.04	31.57	36.61	54.00	-17.39	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2452MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

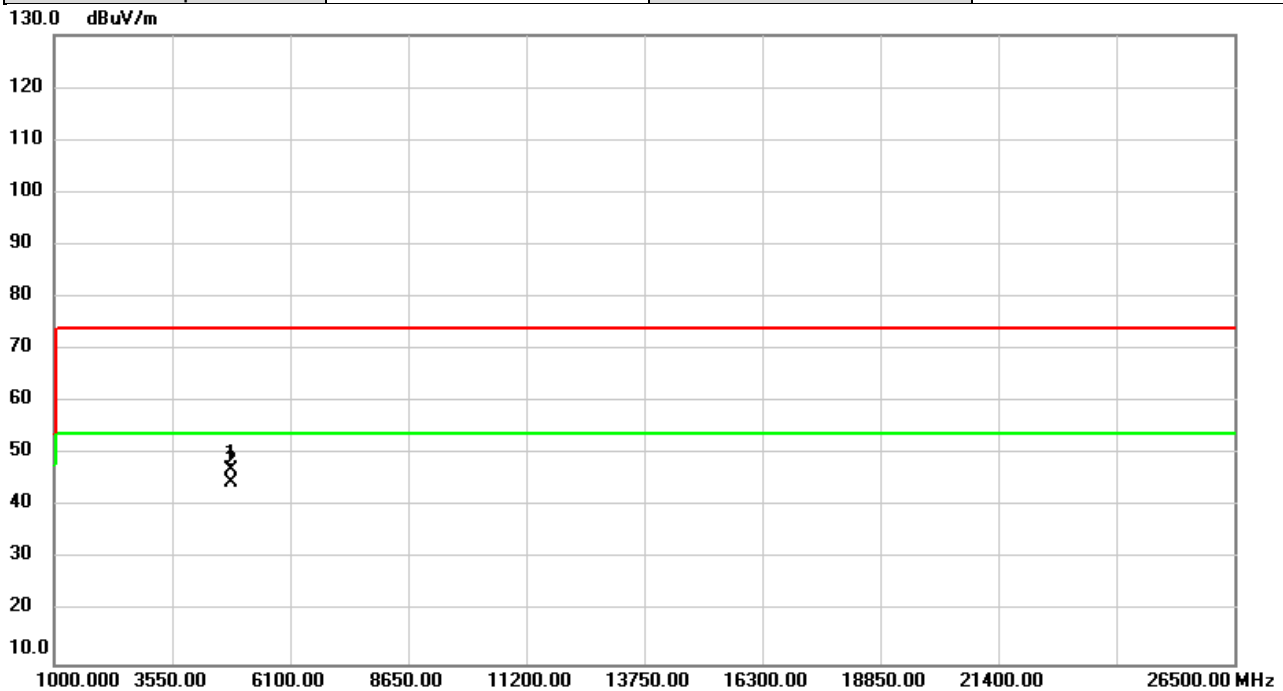


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2369.907	25.88	30.71	56.59	74.00	-17.41	peak	
2		2369.907	7.79	30.71	38.50	54.00	-15.50	AVG	
3	X	2452.000	76.43	31.04	107.47	74.00	33.47	peak	NoLimit
4	*	2452.000	66.46	31.04	97.50	54.00	43.50	AVG	NoLimit
5		2484.640	30.82	31.17	61.99	74.00	-12.01	peak	
6		2484.640	20.27	31.17	51.44	54.00	-2.56	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b) Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

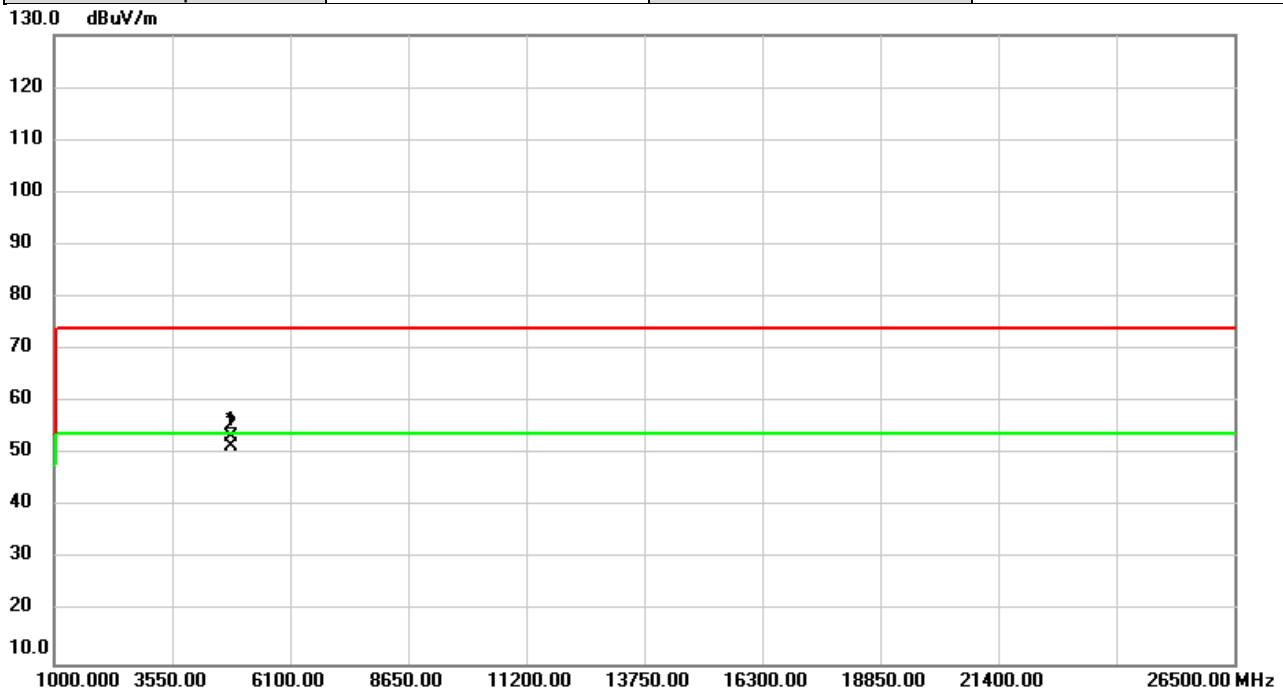


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	56.89	-9.96	46.93	74.00	-27.07	peak	
2	*	4824.000	54.59	-9.96	44.63	54.00	-9.37	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b) Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

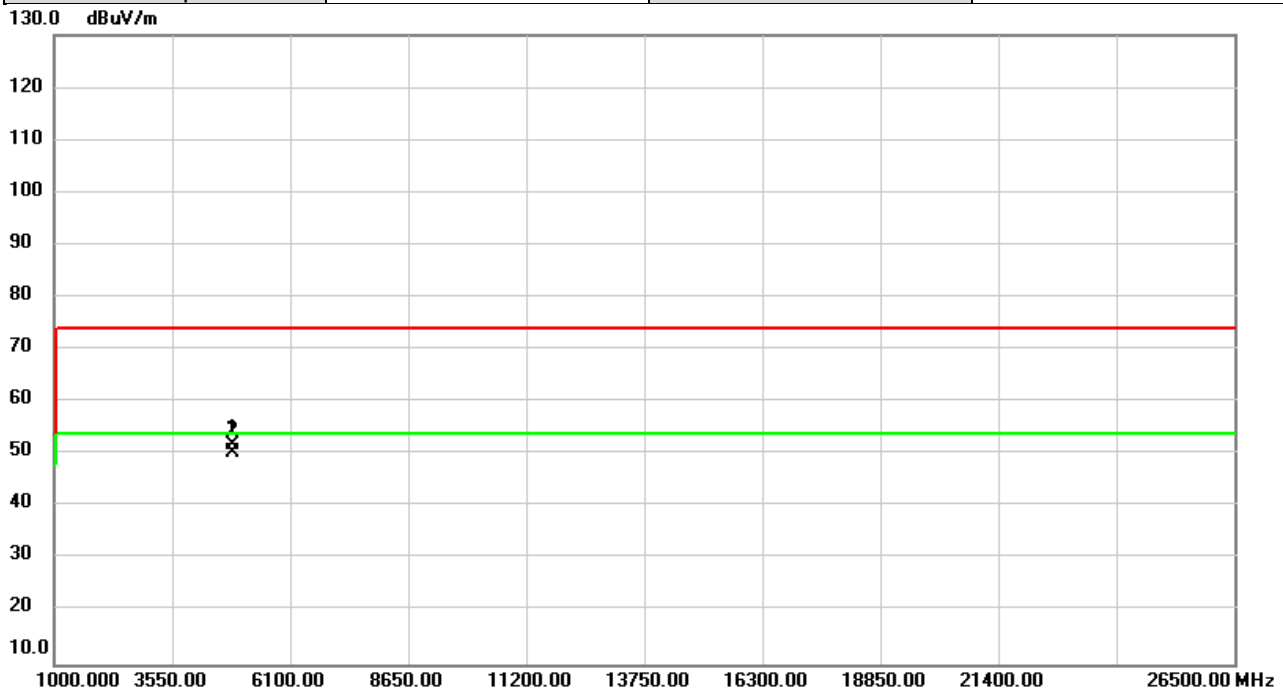


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	63.23	-9.96	53.27	74.00	-20.73	peak	
2	*	4824.000	61.65	-9.96	51.69	54.00	-2.31	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b) Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

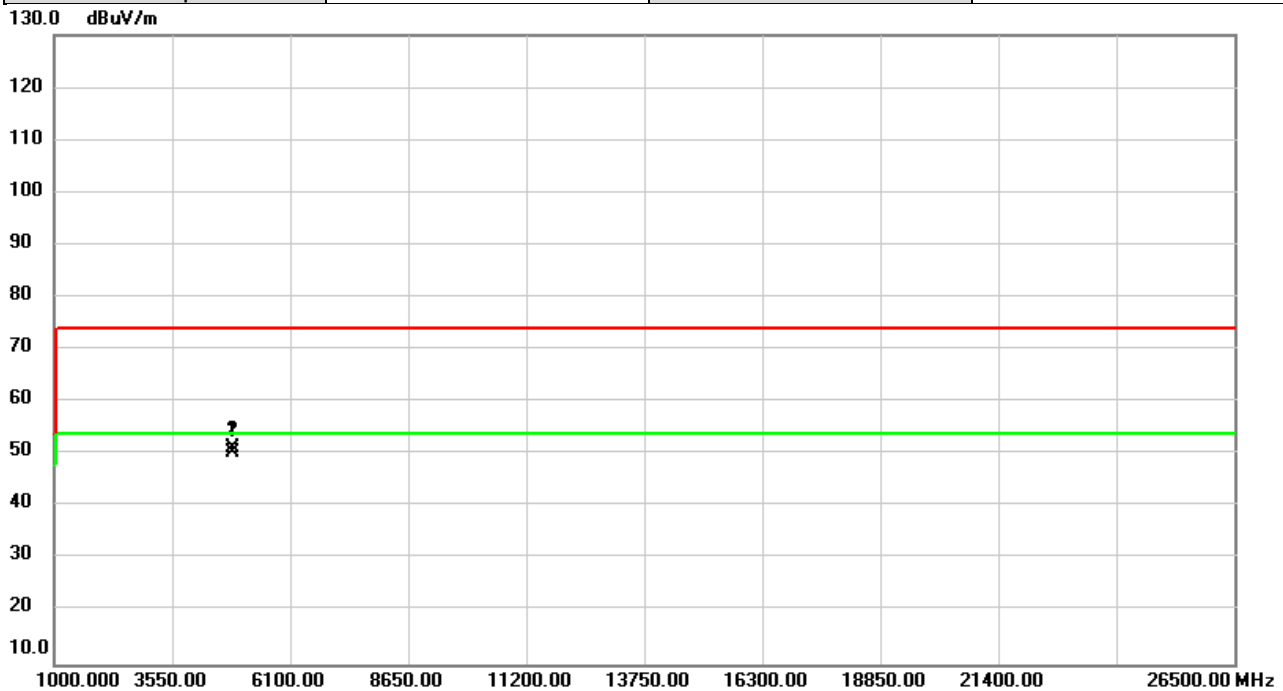


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	61.67	-9.79	51.88	74.00	-22.12	peak	
2	*	4874.000	60.08	-9.79	50.29	54.00	-3.71	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b) Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

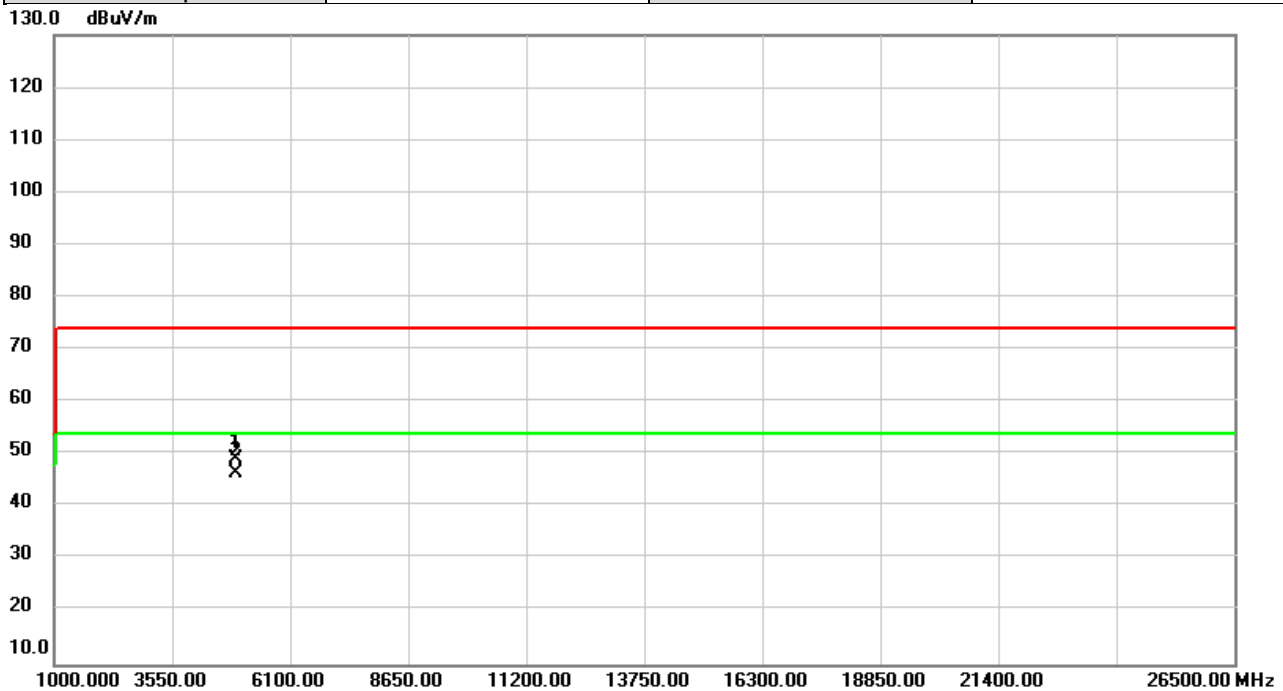


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	61.07	-9.79	51.28	74.00	-22.72	peak	
2	*	4874.000	60.06	-9.79	50.27	54.00	-3.73	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b) Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

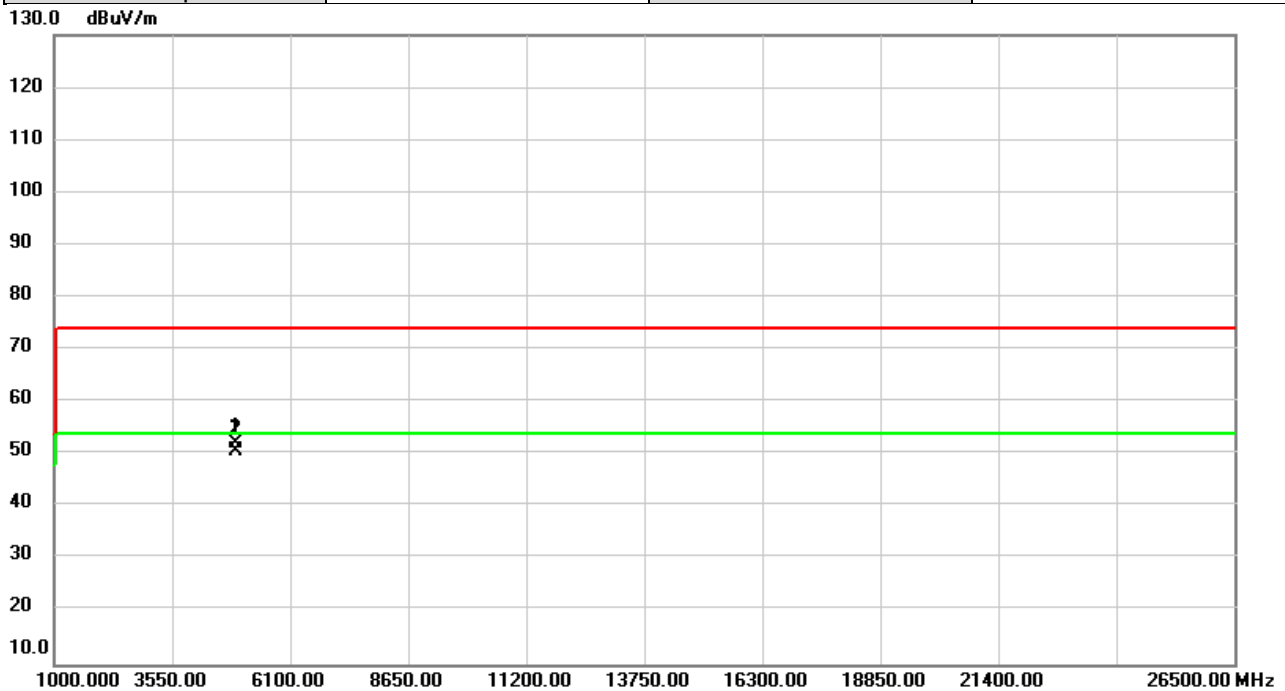


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	58.80	-9.62	49.18	74.00	-24.82	peak	
2	*	4924.000	55.98	-9.62	46.36	54.00	-7.64	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b) Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

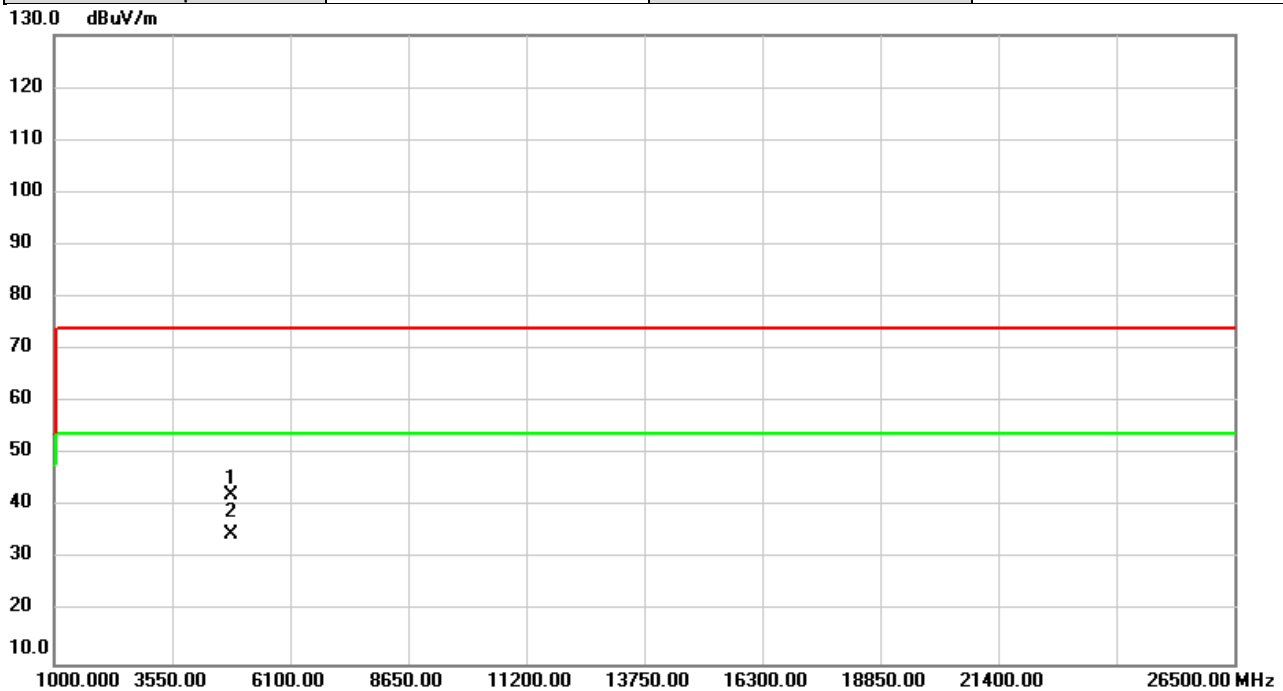


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	61.86	-9.62	52.24	74.00	-21.76	peak	
2	*	4924.000	60.27	-9.62	50.65	54.00	-3.35	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g) Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



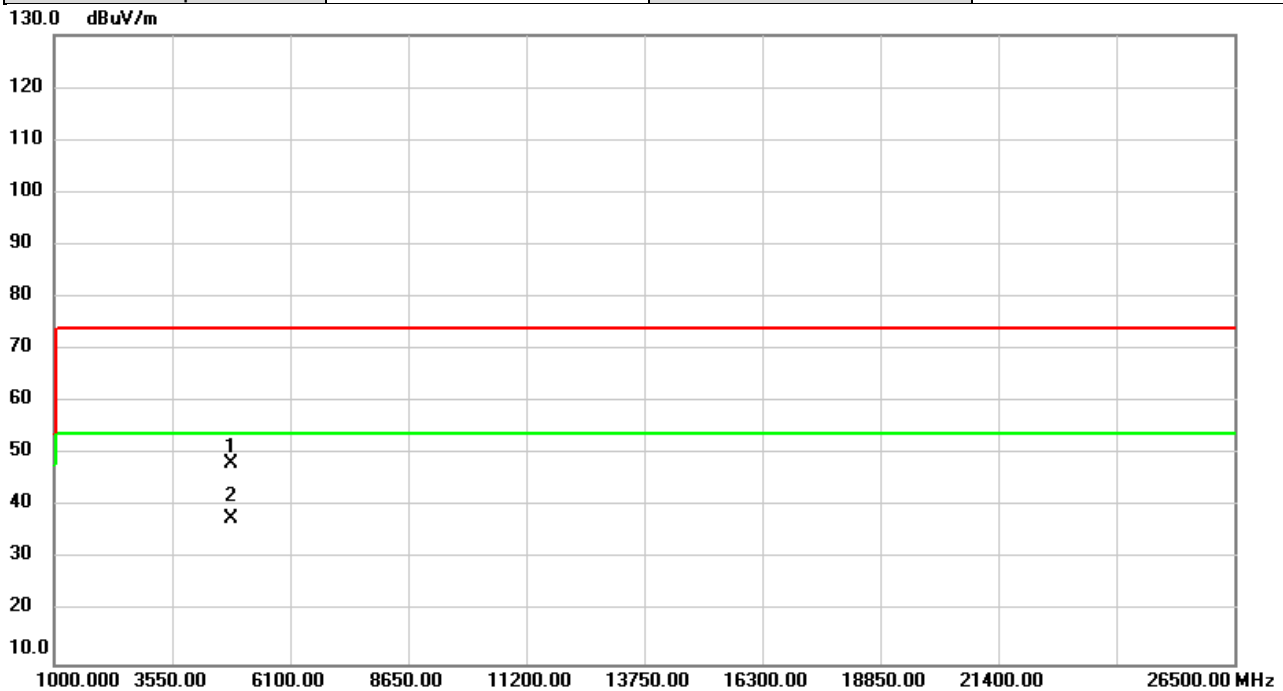
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.17	-9.96	42.21	74.00	-31.79	peak	
2	*	4824.000	44.61	-9.96	34.65	54.00	-19.35	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g) Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



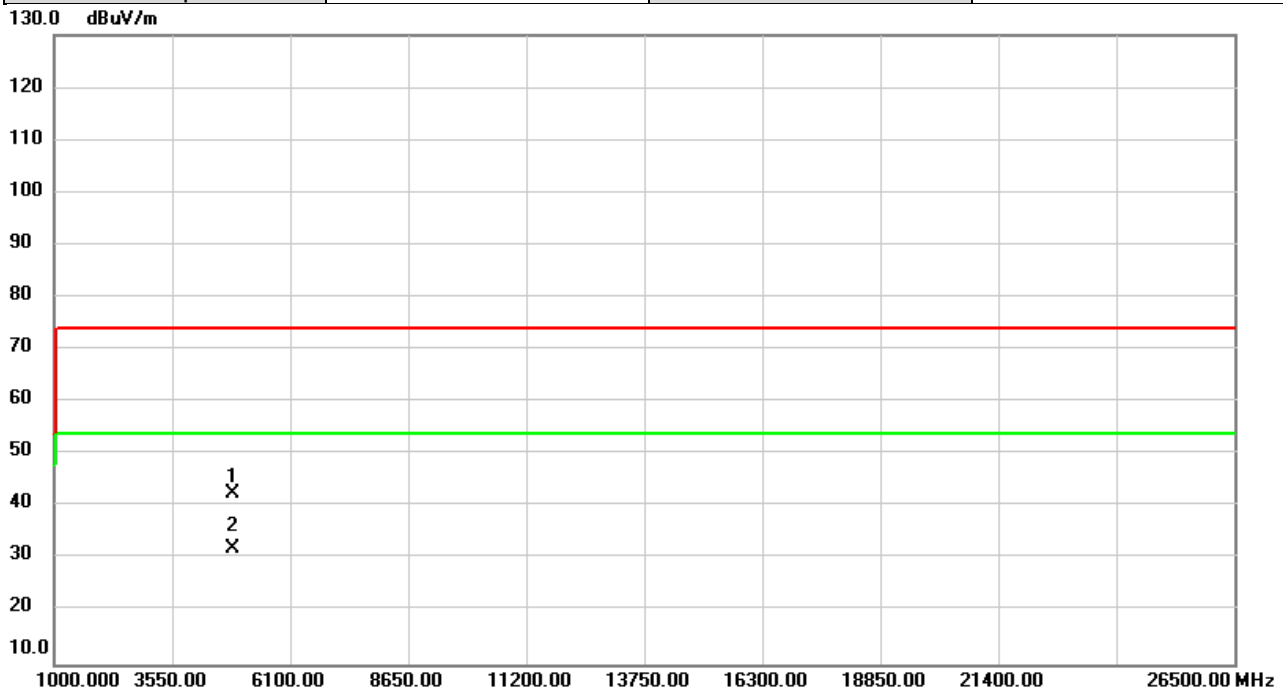
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	58.08	-9.96	48.12	74.00	-25.88	peak	
2	*	4824.000	47.61	-9.96	37.65	54.00	-16.35	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g) Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

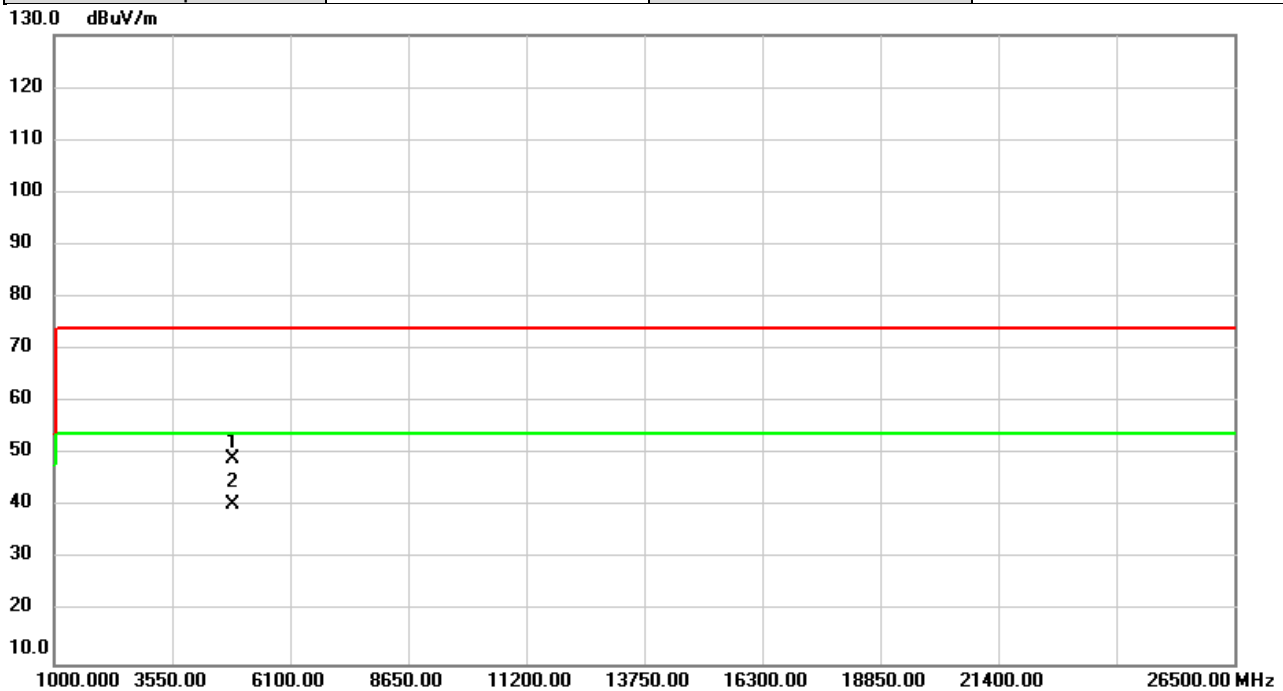


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	52.37	-9.79	42.58	74.00	-31.42	peak	
2	*	4874.000	41.75	-9.79	31.96	54.00	-22.04	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g) Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

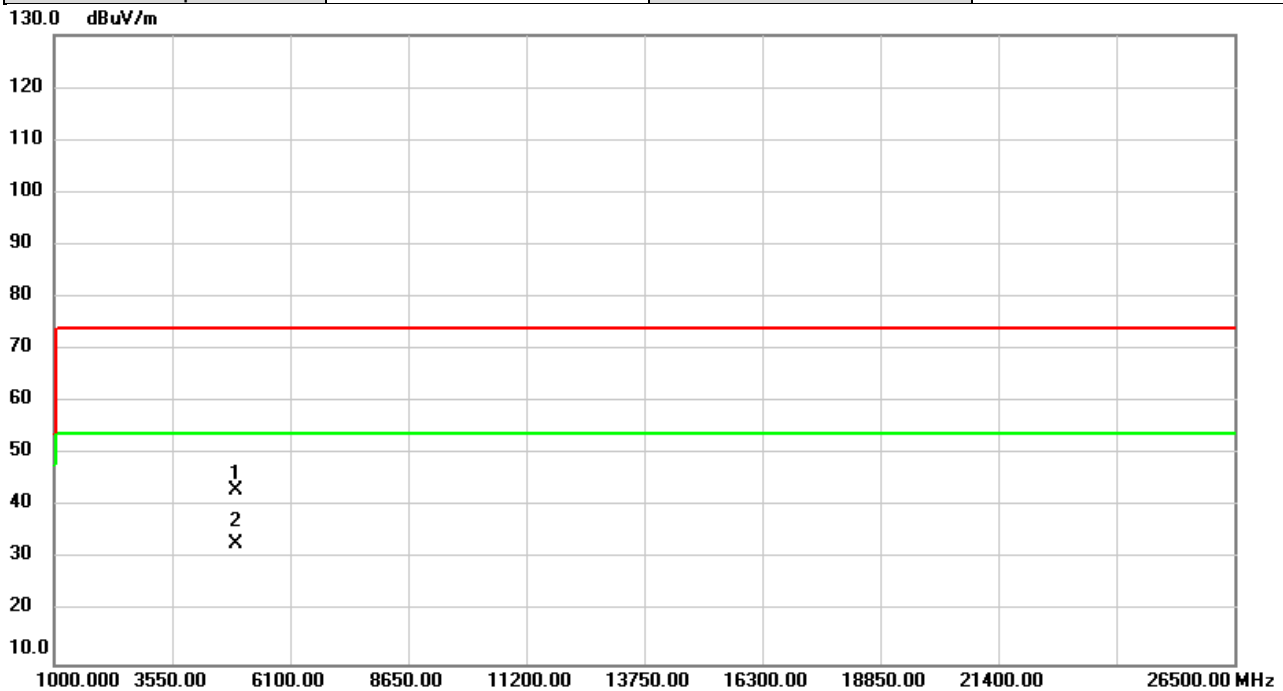


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	58.85	-9.79	49.06	74.00	-24.94	peak	
2	*	4874.000	50.18	-9.79	40.39	54.00	-13.61	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g) Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



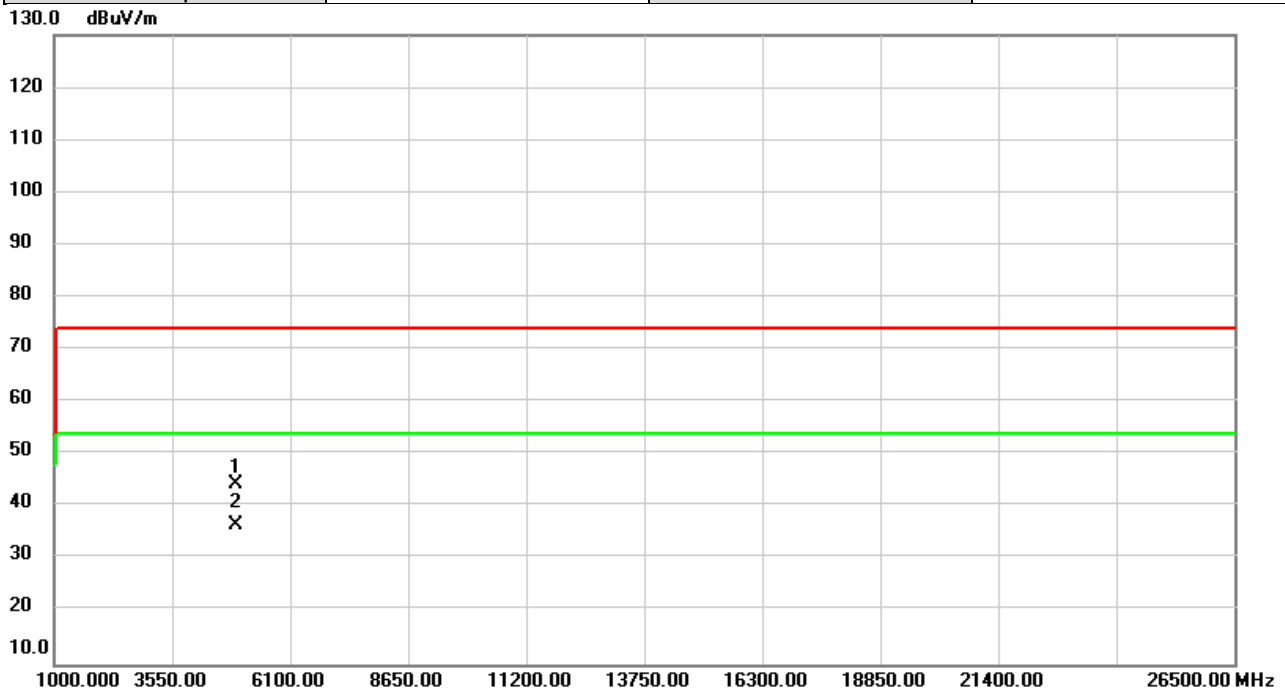
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	52.90	-9.62	43.28	74.00	-30.72	peak	
2	*	4924.000	42.55	-9.62	32.93	54.00	-21.07	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11g) Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



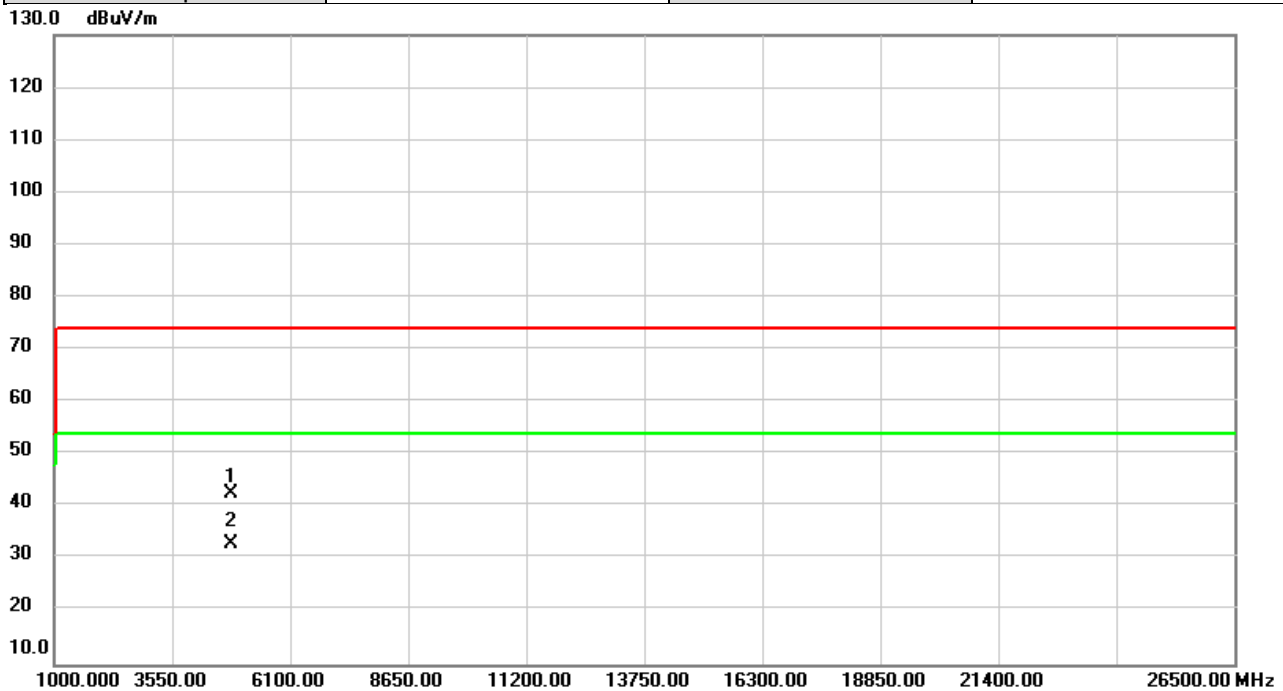
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.93	-9.62	44.31	74.00	-29.69	peak	
2	*	4924.000	46.19	-9.62	36.57	54.00	-17.43	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)_ Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

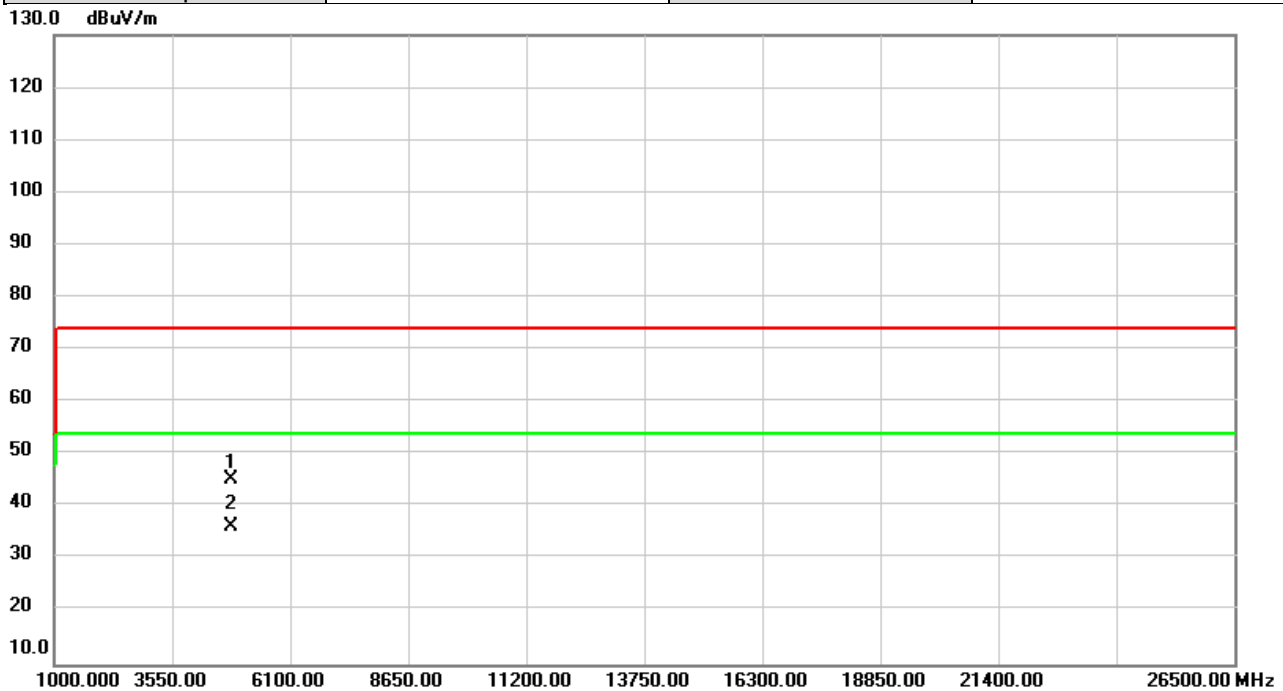


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.60	-9.96	42.64	74.00	-31.36	peak	
2	*	4824.000	42.77	-9.96	32.81	54.00	-21.19	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)_ Total	Test Date	2021/2/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

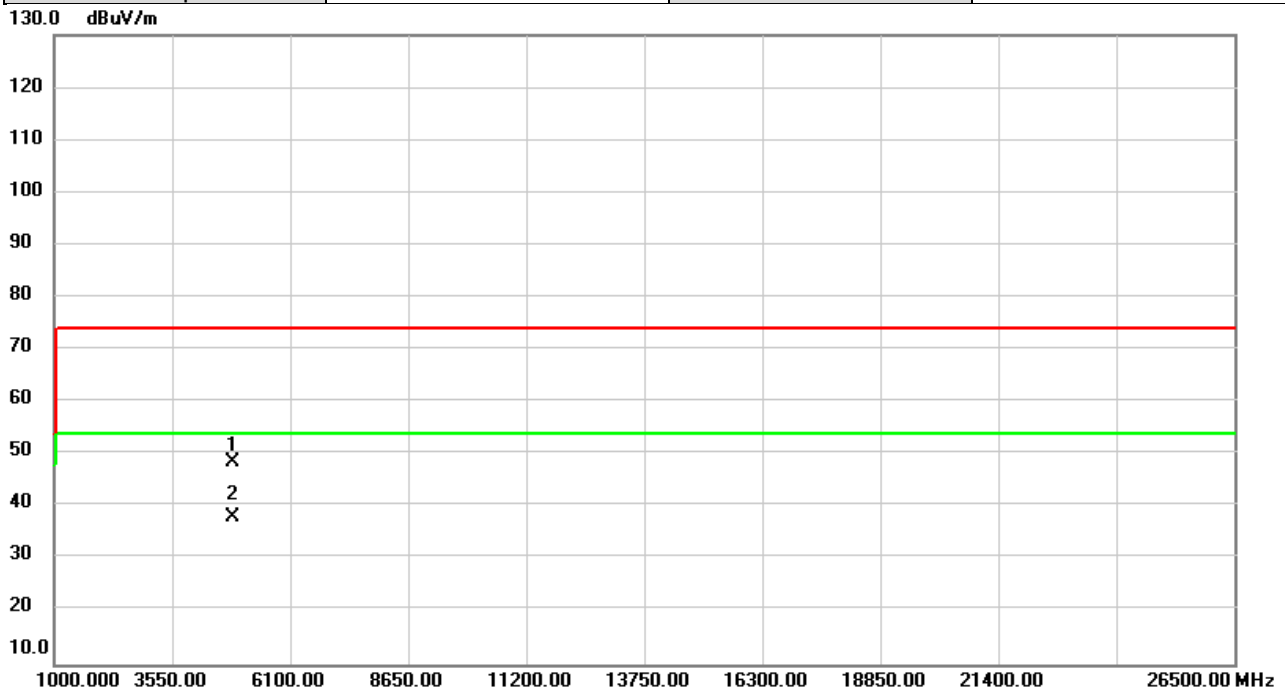


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	55.23	-9.96	45.27	74.00	-28.73	peak	
2	*	4824.000	46.17	-9.96	36.21	54.00	-17.79	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)_Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

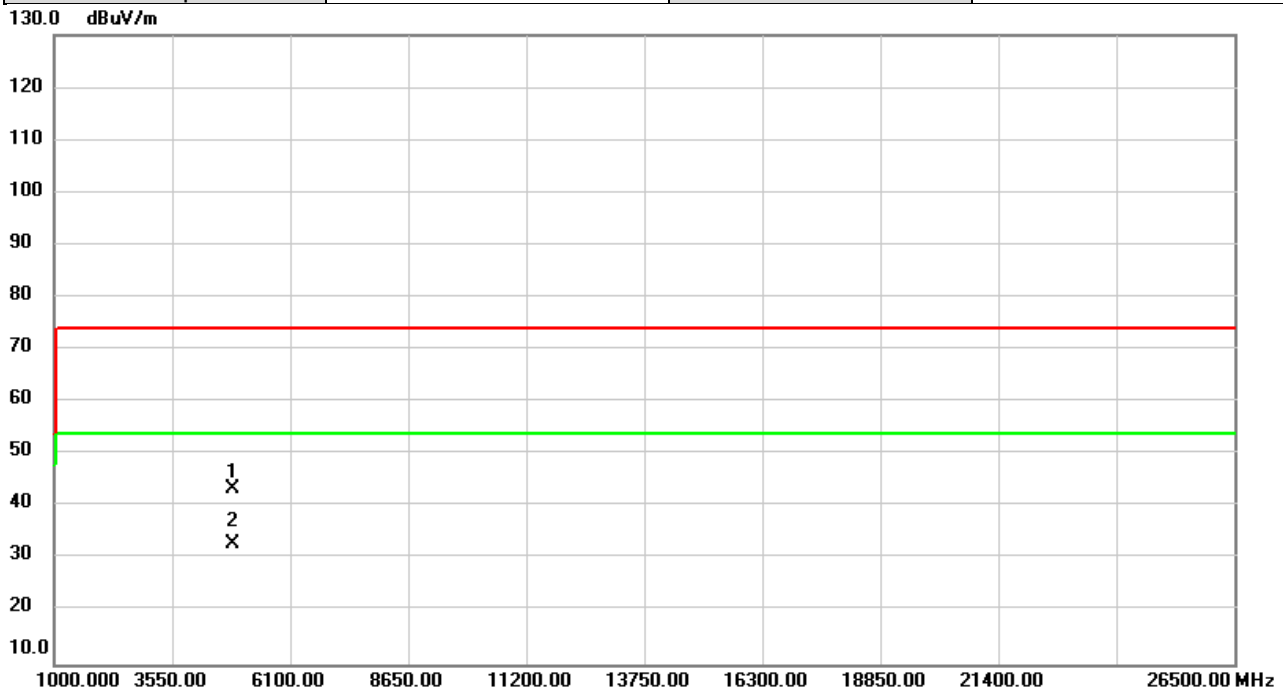


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	58.47	-9.79	48.68	74.00	-25.32	peak	
2	*	4874.000	47.86	-9.79	38.07	54.00	-15.93	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)_Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

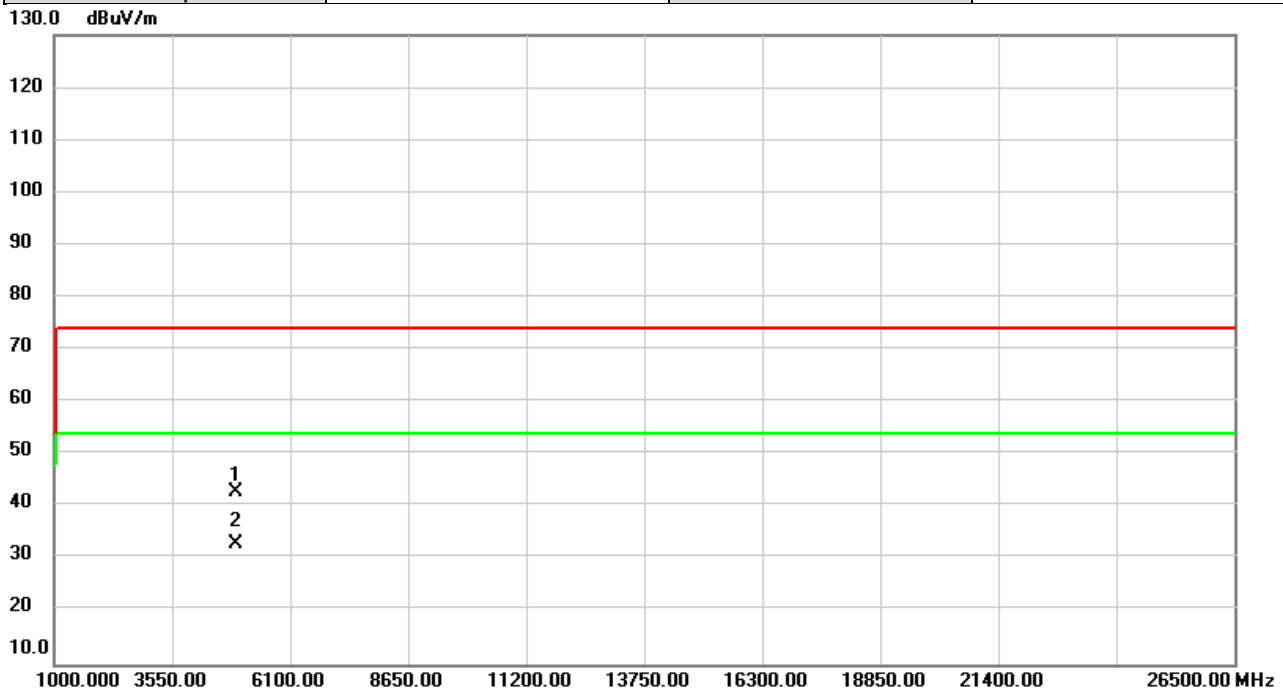


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.38	-9.79	43.59	74.00	-30.41	peak	
2	*	4874.000	42.69	-9.79	32.90	54.00	-21.10	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)_ Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

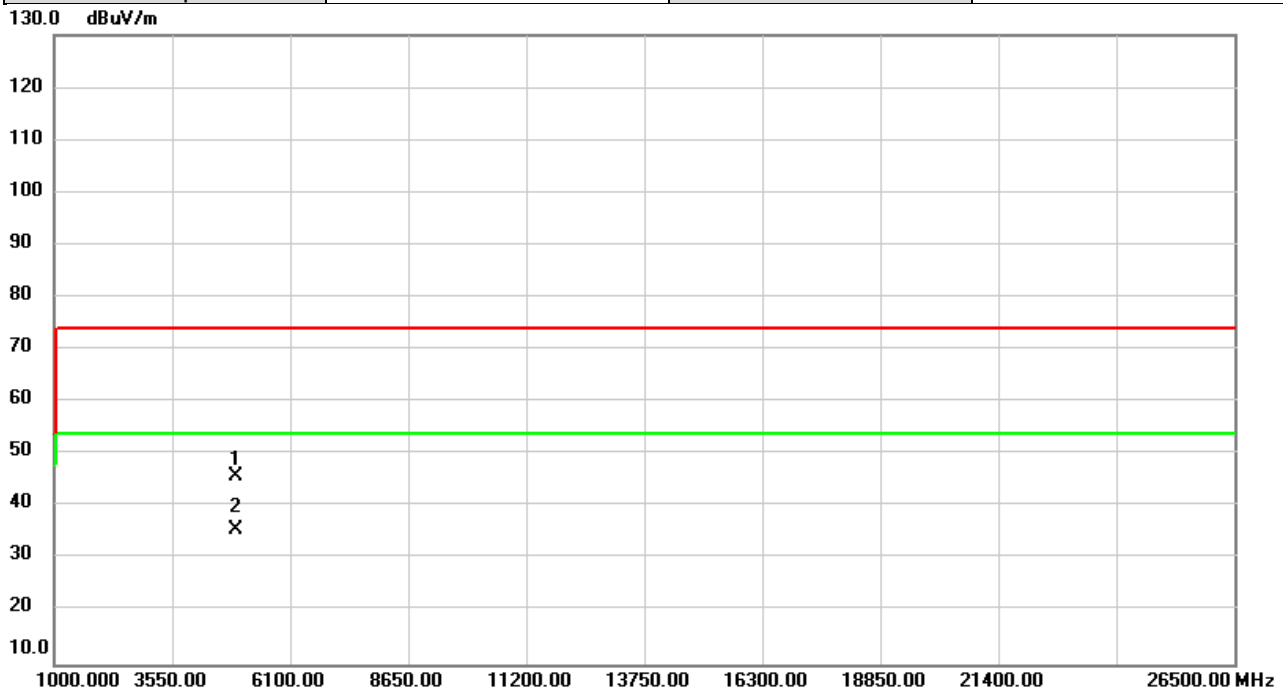


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	52.53	-9.62	42.91	74.00	-31.09	peak	
2	*	4924.000	42.57	-9.62	32.95	54.00	-21.05	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)_ Total	Test Date	2021/2/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

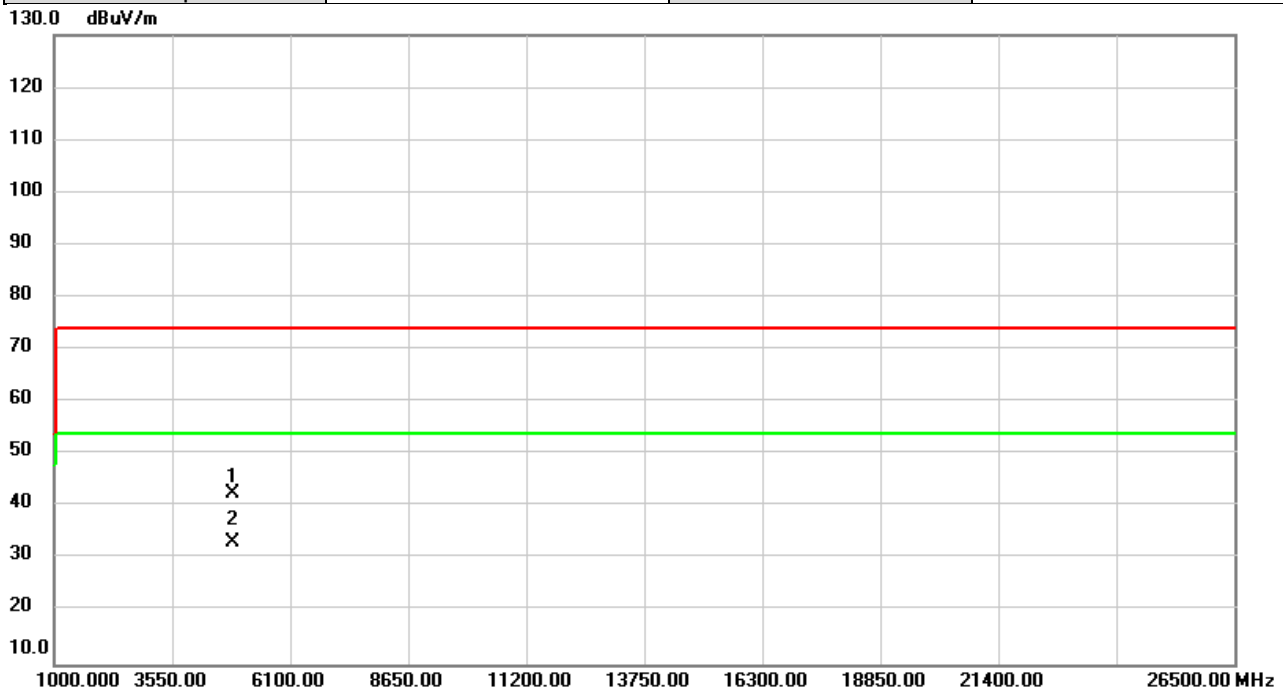


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.33	-9.62	45.71	74.00	-28.29	peak	
2	*	4924.000	45.34	-9.62	35.72	54.00	-18.28	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2422MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

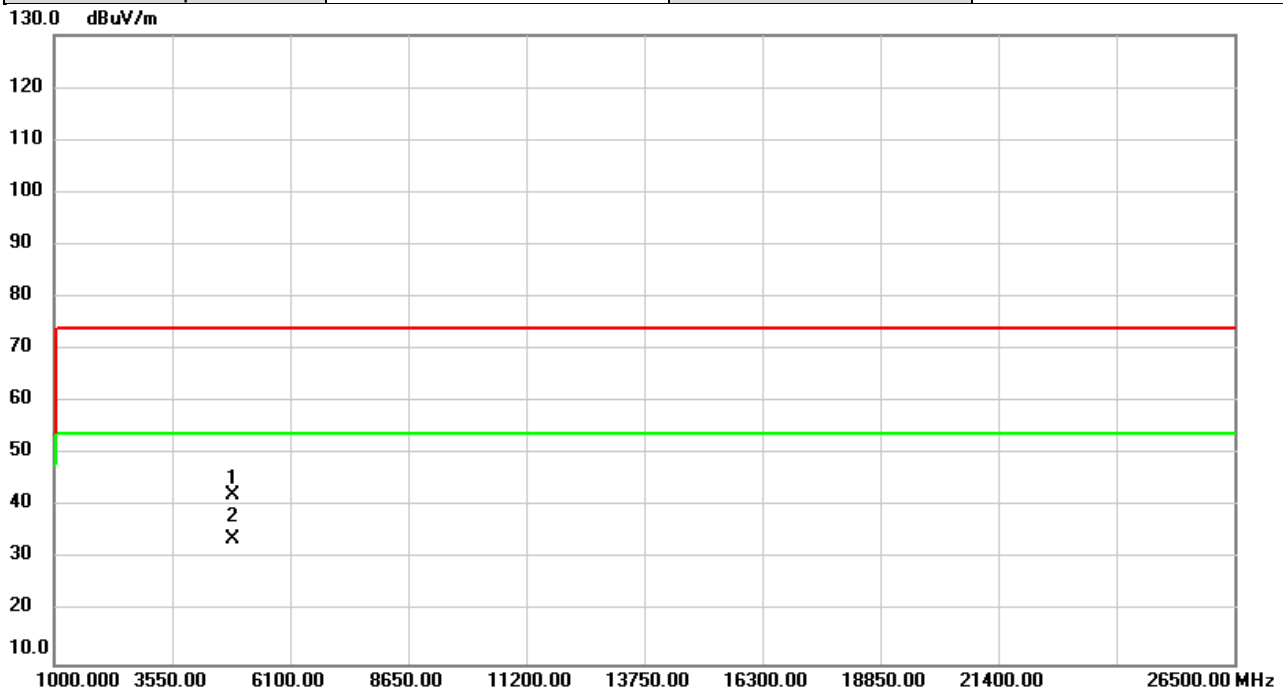


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.42	-9.89	42.53	74.00	-31.47	peak	
2	*	4844.000	43.27	-9.89	33.38	54.00	-20.62	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2422MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

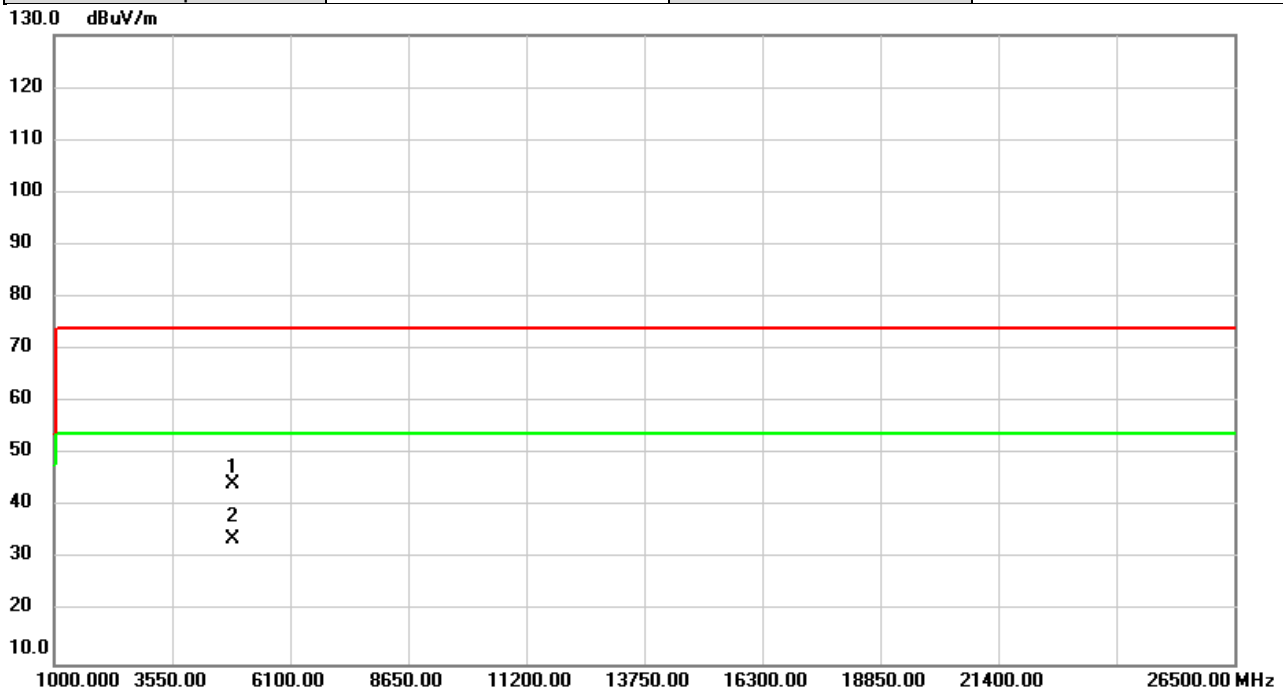


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.03	-9.89	42.14	74.00	-31.86	peak	
2	*	4844.000	43.65	-9.89	33.76	54.00	-20.24	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

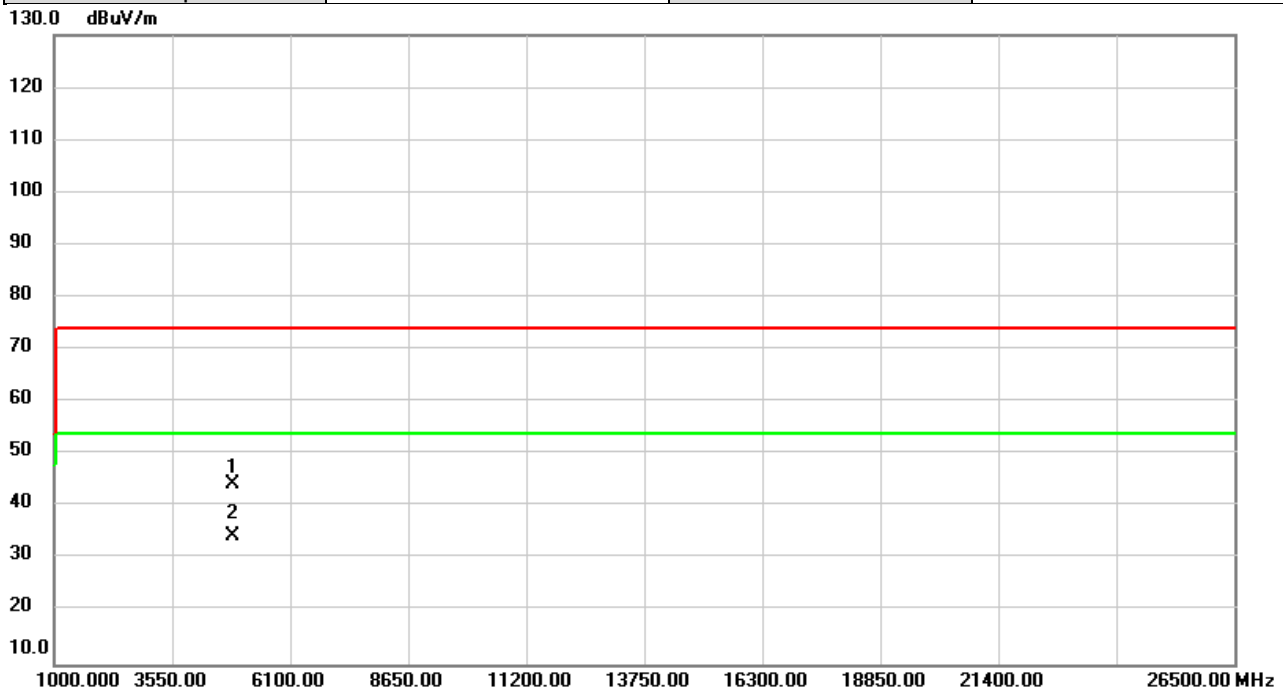


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.01	-9.79	44.22	74.00	-29.78	peak	
2	*	4874.000	43.77	-9.79	33.98	54.00	-20.02	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%

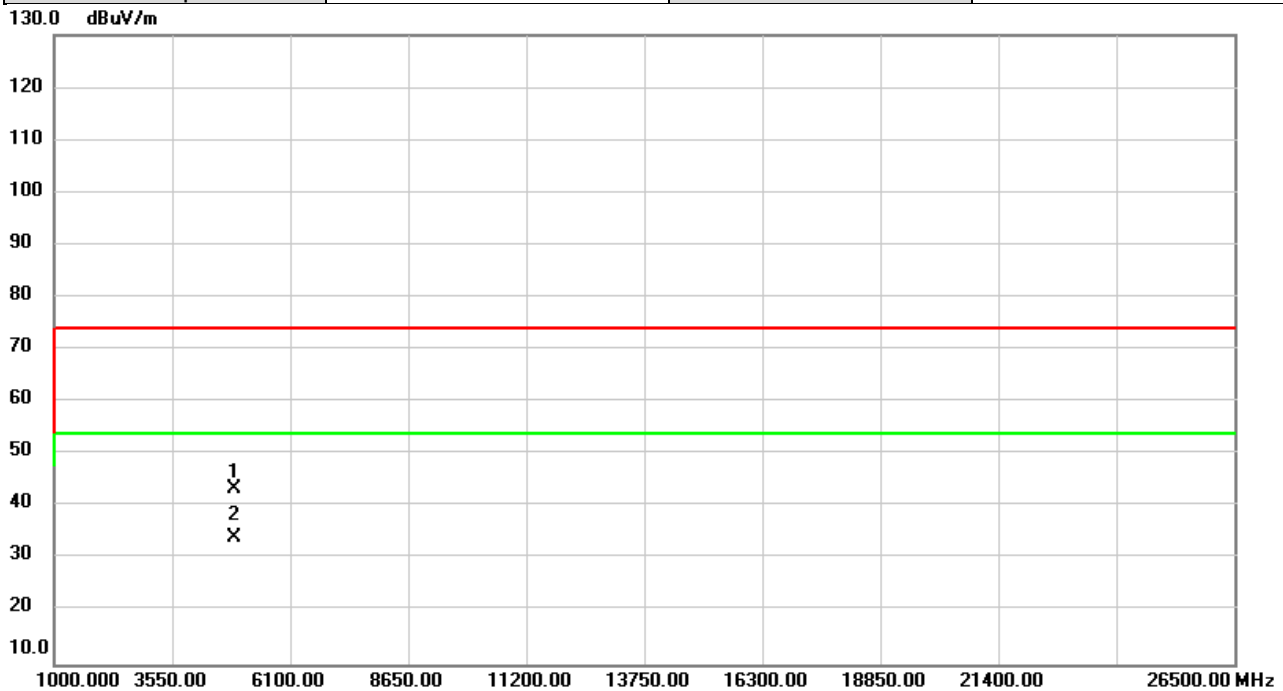


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.13	-9.79	44.34	74.00	-29.66	peak	
2	*	4874.000	44.24	-9.79	34.45	54.00	-19.55	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2452MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

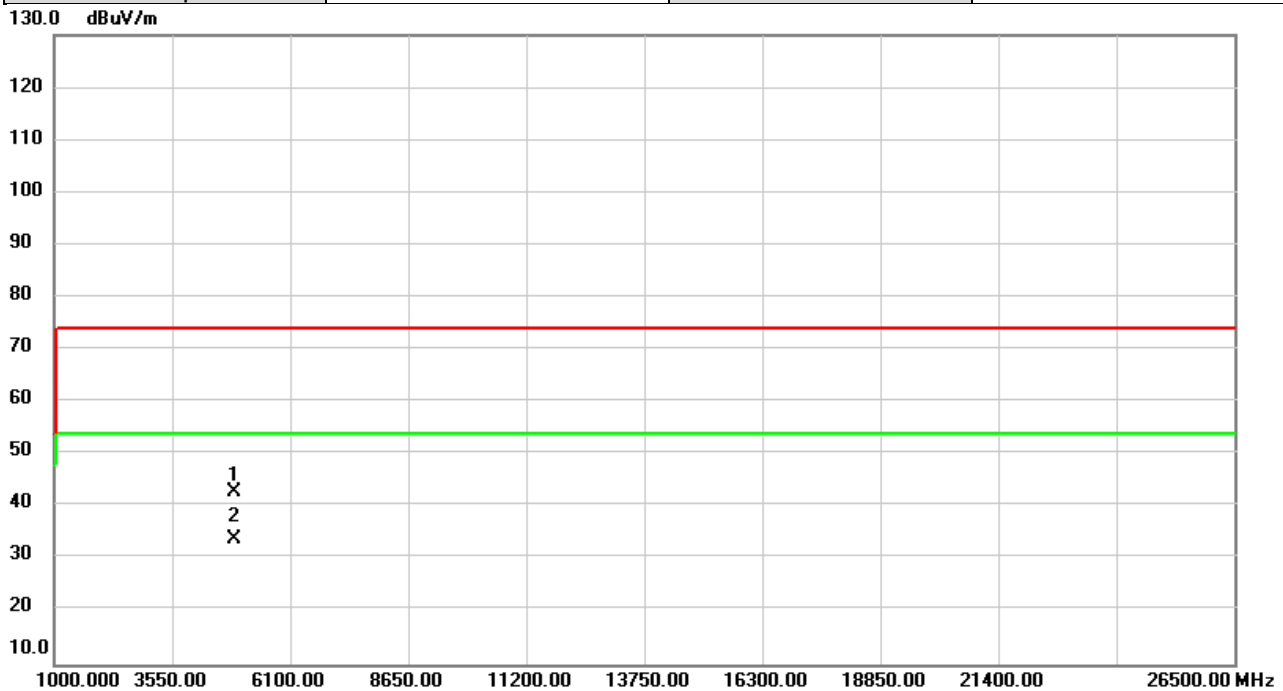


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	53.04	-9.69	43.35	74.00	-30.65	peak	
2	*	4904.000	43.77	-9.69	34.08	54.00	-19.92	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)_ Total	Test Date	2021/2/18
Test Frequency	2452MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	52.51	-9.69	42.82	74.00	-31.18	peak	
2	*	4904.000	43.54	-9.69	33.85	54.00	-20.15	AVG	

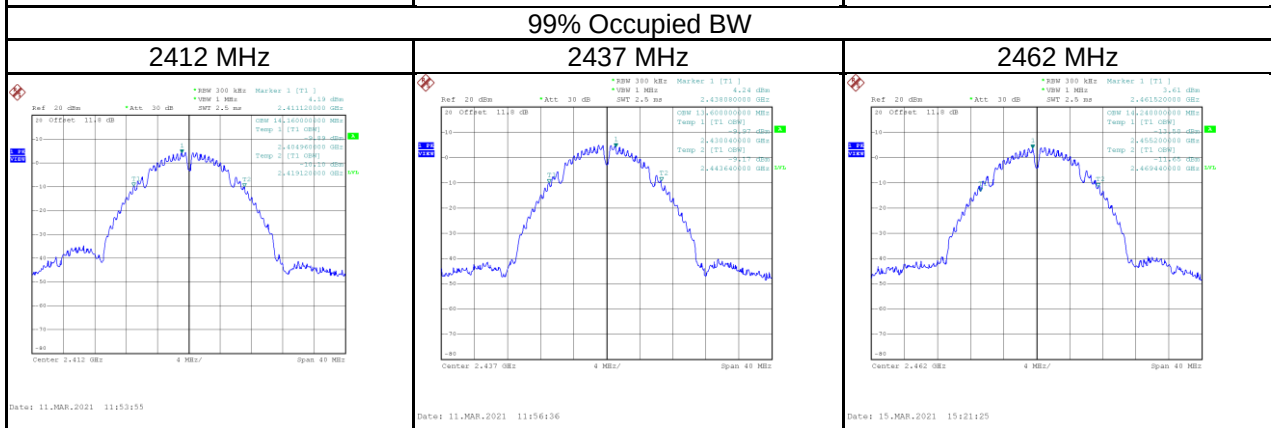
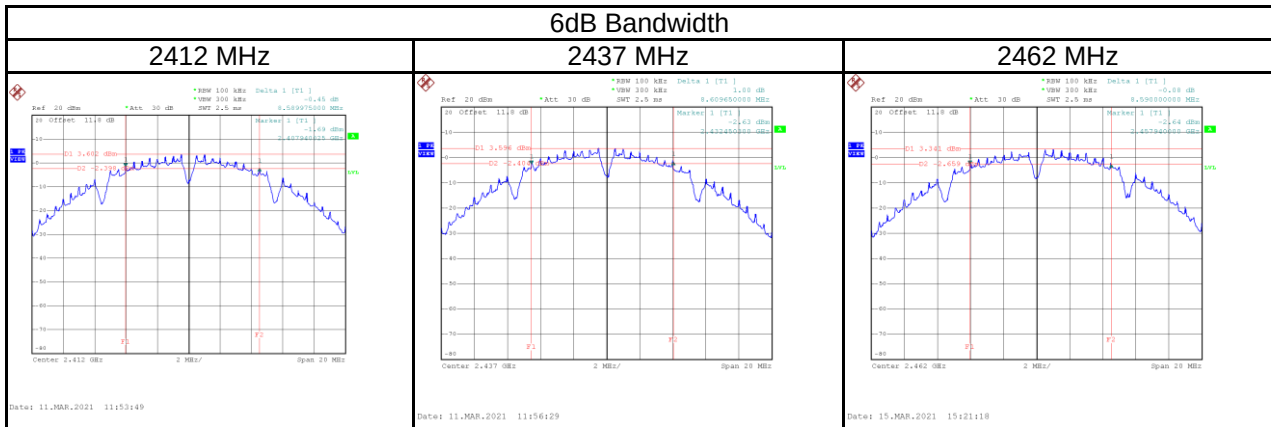
REMARKS:

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

APPENDIX D BANDWIDTH

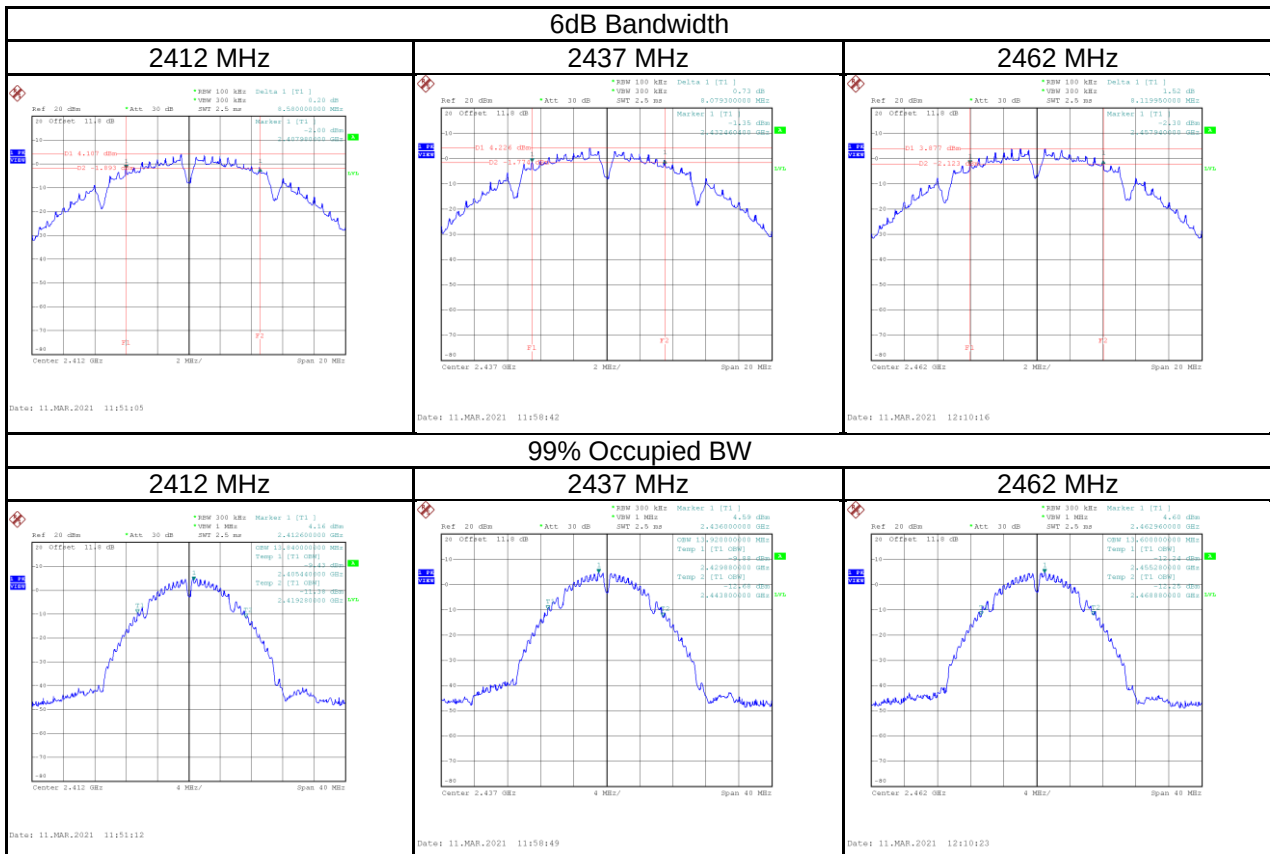
Test Mode	IEEE 802.11b_Main Antenna
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.59	14.16	≥ 500	Pass
2437	8.61	13.60	≥ 500	Pass
2462	8.59	14.24	≥ 500	Pass



Test Mode	IEEE 802.11b_Aux Antenna
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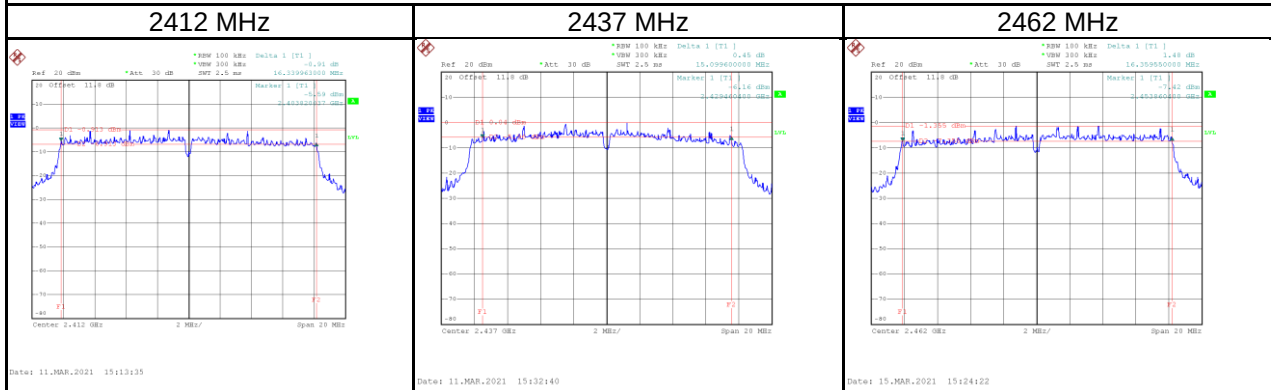
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.58	13.84	≥ 500	Pass
2437	8.08	13.92	≥ 500	Pass
2462	8.12	13.60	≥ 500	Pass



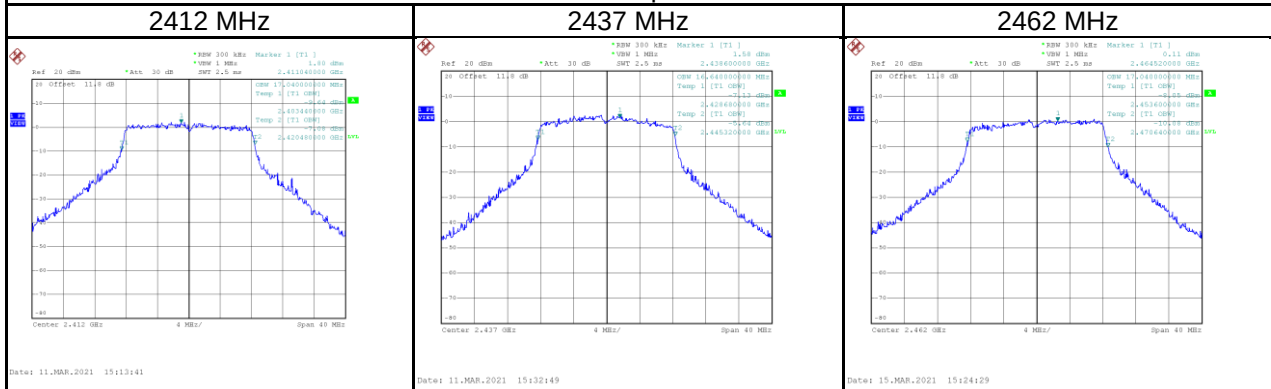
Test Mode IEEE 802.11g_Main Antenna

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.34	17.04	≥ 500	Pass
2437	15.10	16.64	≥ 500	Pass
2462	16.36	17.04	≥ 500	Pass

6dB Bandwidth



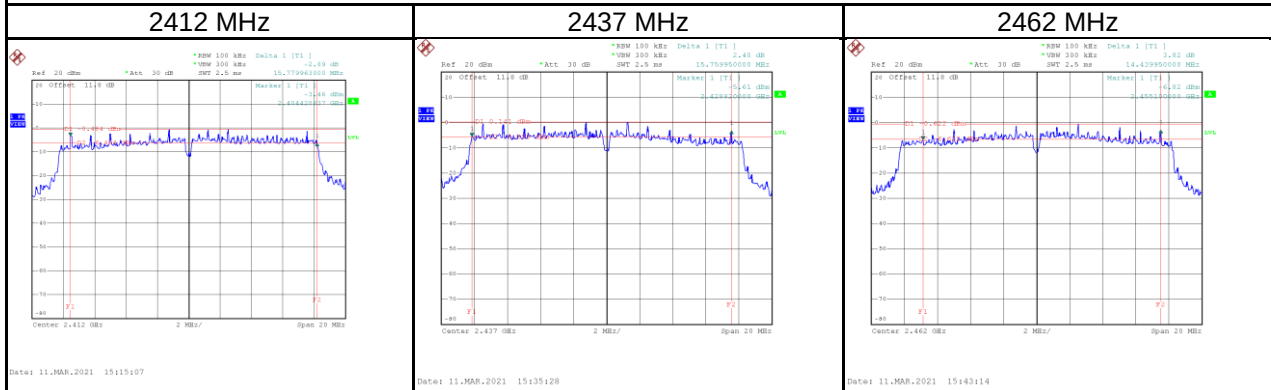
99% Occupied BW



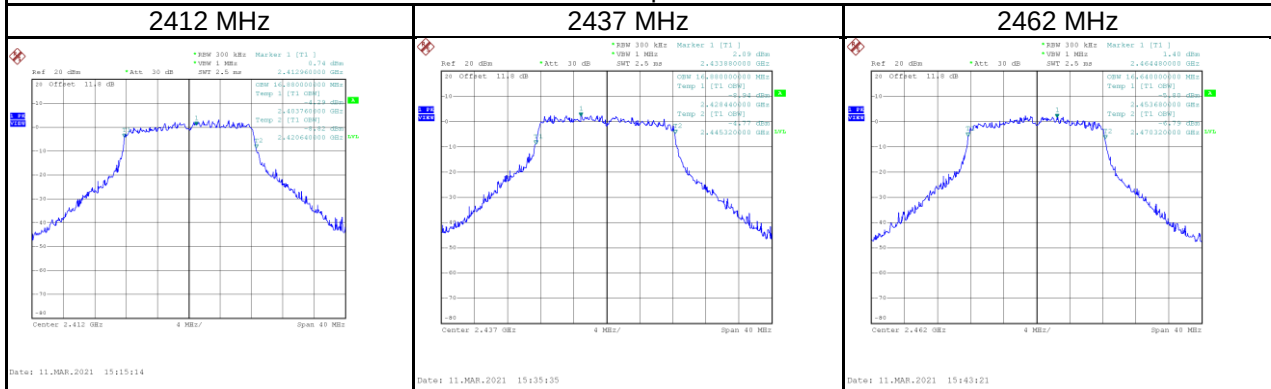
Test Mode IEEE 802.11g_Aux Antenna

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.78	16.88	≥ 500	Pass
2437	15.76	16.88	≥ 500	Pass
2462	14.44	16.64	≥ 500	Pass

6dB Bandwidth

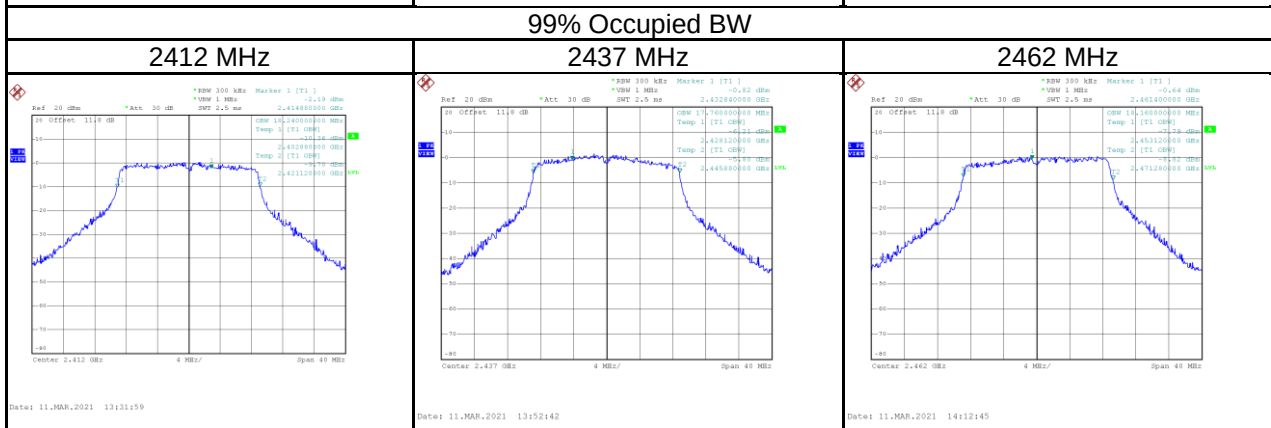
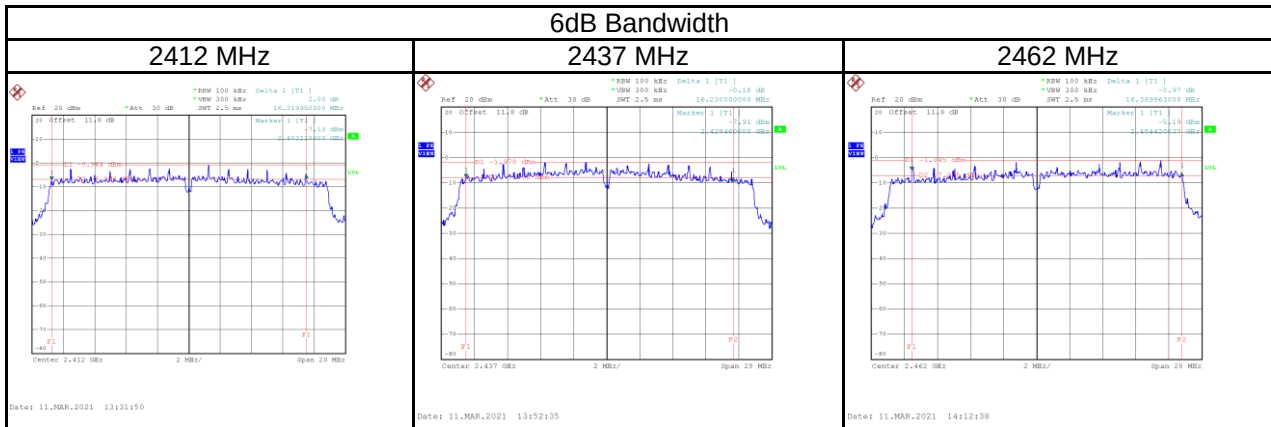


99% Occupied BW



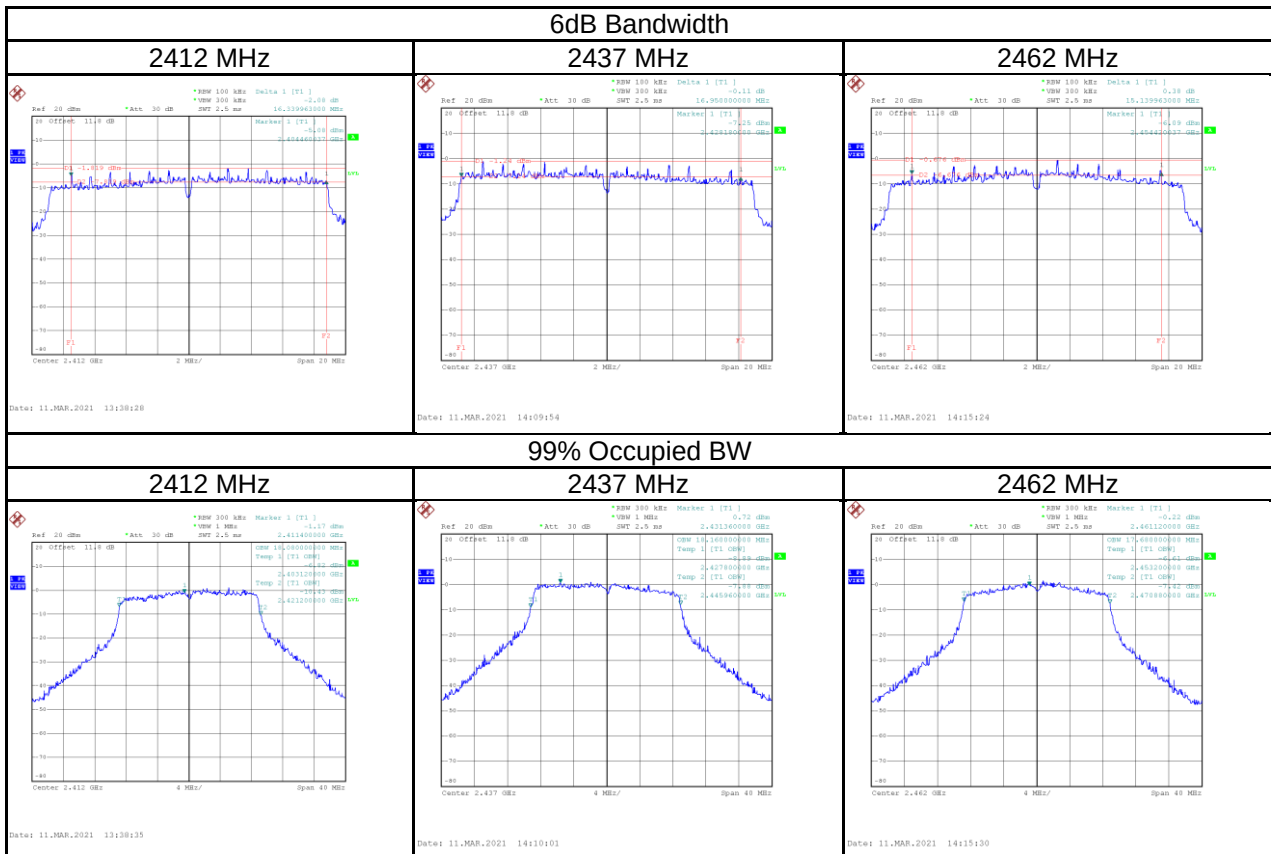
Test Mode	IEEE 802.11n (HT20)_Main Antenna
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.32	18.24	≥ 500	Pass
2437	16.23	17.76	≥ 500	Pass
2462	16.39	18.16	≥ 500	Pass



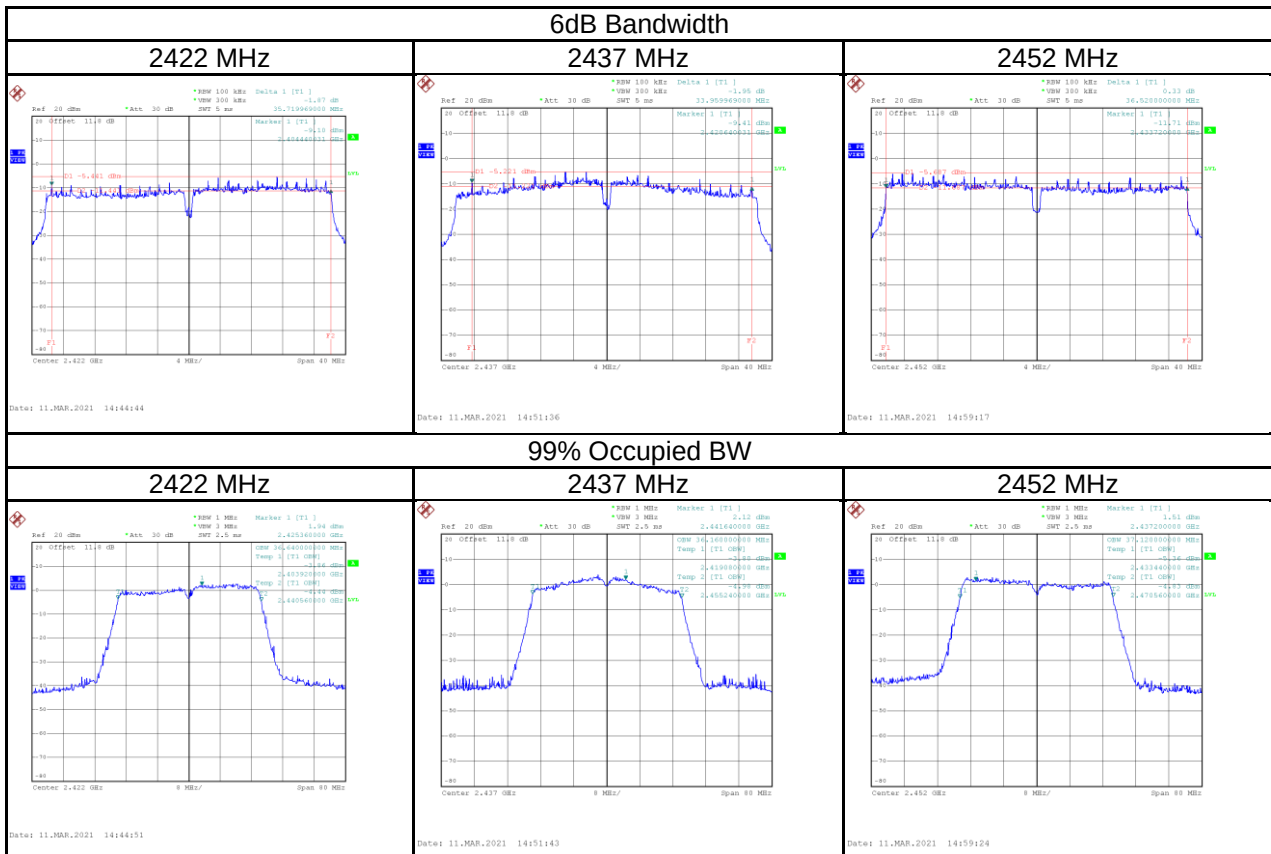
Test Mode	IEEE 802.11n (HT20)_Aux Antenna
-----------	---------------------------------

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.34	18.08	≥ 500	Pass
2437	16.95	18.16	≥ 500	Pass
2462	15.14	17.68	≥ 500	Pass



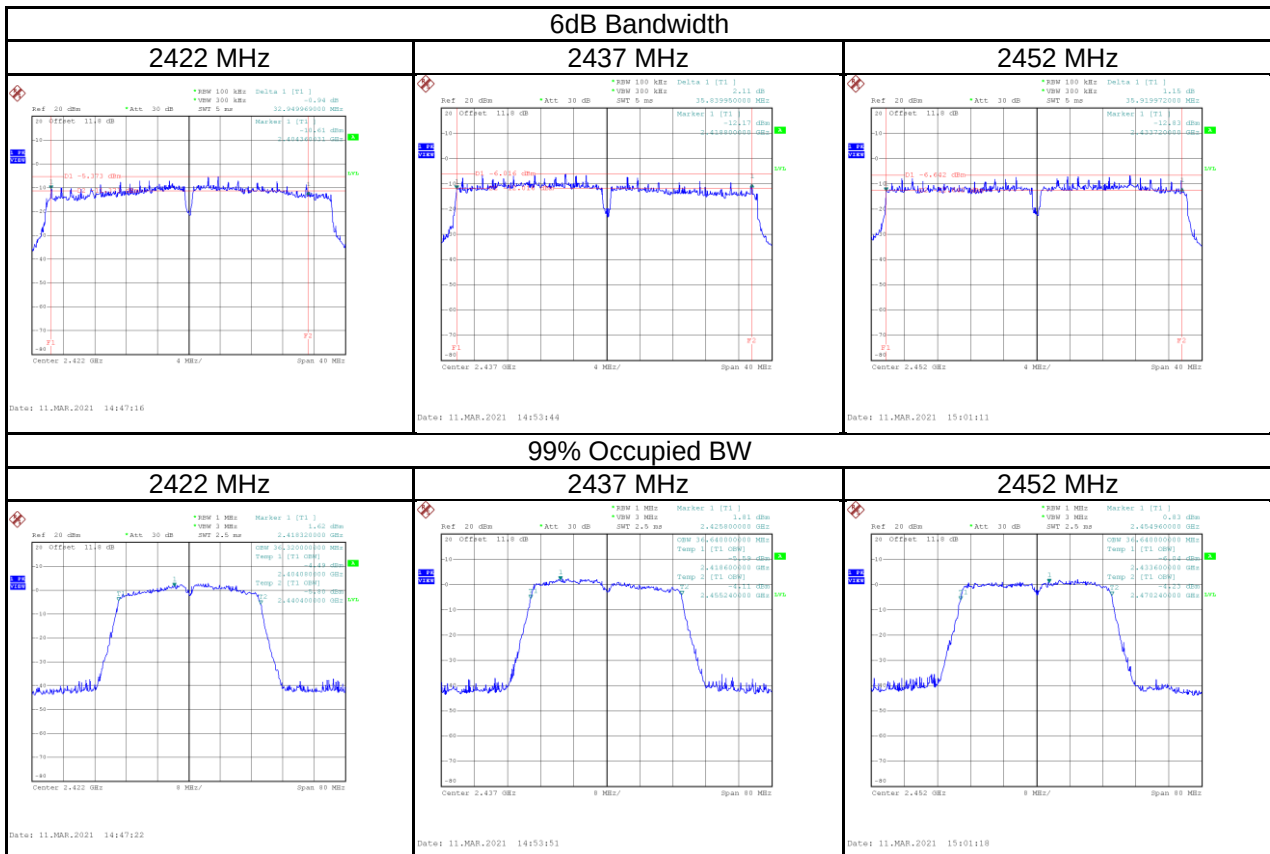
Test Mode	IEEE 802.11n (HT40)_Main Antenna
-----------	----------------------------------

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	35.72	36.64	≥ 500	Pass
2437	33.96	36.16	≥ 500	Pass
2452	36.52	37.12	≥ 500	Pass



Test Mode	IEEE 802.11n (HT40)_Aux Antenna
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	32.95	36.32	≥ 500	Pass
2437	35.84	36.64	≥ 500	Pass
2462	35.92	36.64	≥ 500	Pass



APPENDIX E OUTPUT POWER

Test Mode	IEEE 802.11b_Main Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	14.50	0.0282	30.00	1.0000	Complies
2437	14.79	0.0301	30.00	1.0000	Complies
2462	14.73	0.0297	30.00	1.0000	Complies

Test Mode	IEEE 802.11b_Aux Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	14.79	0.0301	30.00	1.0000	Complies
2437	14.83	0.0304	30.00	1.0000	Complies
2462	14.90	0.0309	30.00	1.0000	Complies

Test Mode	IEEE 802.11b_Total	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	17.66	0.0583	30.00	1.0000	Complies
2437	17.82	0.0605	30.00	1.0000	Complies
2462	17.83	0.0606	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Main Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	14.83	0.0304	30.00	1.0000	Complies
2437	14.93	0.0311	30.00	1.0000	Complies
2462	14.82	0.0303	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Aux Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	14.71	0.0296	30.00	1.0000	Complies
2437	14.94	0.0312	30.00	1.0000	Complies
2462	14.54	0.0284	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Total	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	17.78	0.0600	30.00	1.0000	Complies
2437	17.95	0.0623	30.00	1.0000	Complies
2462	17.69	0.0588	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Main Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	13.89	0.0245	30.00	1.0000	Complies
2437	13.92	0.0247	30.00	1.0000	Complies
2462	13.85	0.0243	30.00	1.0000	Complies

Test Mode	IEEE 802.11 n (HT20)_Aux Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	13.56	0.0227	30.00	1.0000	Complies
2437	13.92	0.0247	30.00	1.0000	Complies
2462	13.44	0.0221	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Total	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	16.74	0.0472	30.00	1.0000	Complies
2437	16.93	0.0493	30.00	1.0000	Complies
2462	16.66	0.0463	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Main Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	13.97	0.0249	30.00	1.0000	Complies
2437	13.06	0.0202	30.00	1.0000	Complies
2452	14.05	0.0254	30.00	1.0000	Complies

Test Mode	IEEE 802.11 n (HT40)_Aux Antenna	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	13.32	0.0215	30.00	1.0000	Complies
2437	13.96	0.0249	30.00	1.0000	Complies
2452	13.84	0.0242	30.00	1.0000	Complies

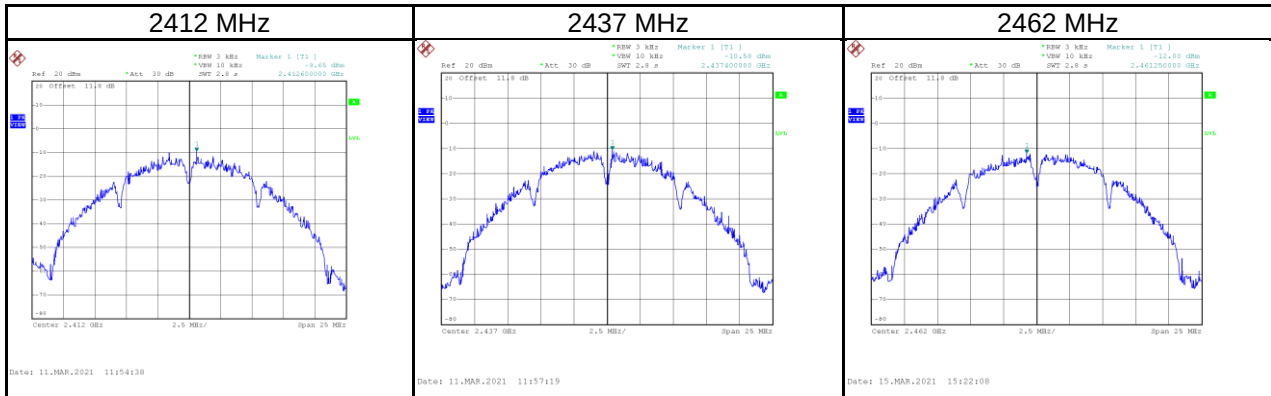
Test Mode	IEEE 802.11n (HT40)_Total	Tested Date	2021/3/12
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	16.67	0.0464	30.00	1.0000	Complies
2437	16.54	0.0451	30.00	1.0000	Complies
2452	16.96	0.0496	30.00	1.0000	Complies

APPENDIX F POWER SPECTRAL DENSITY

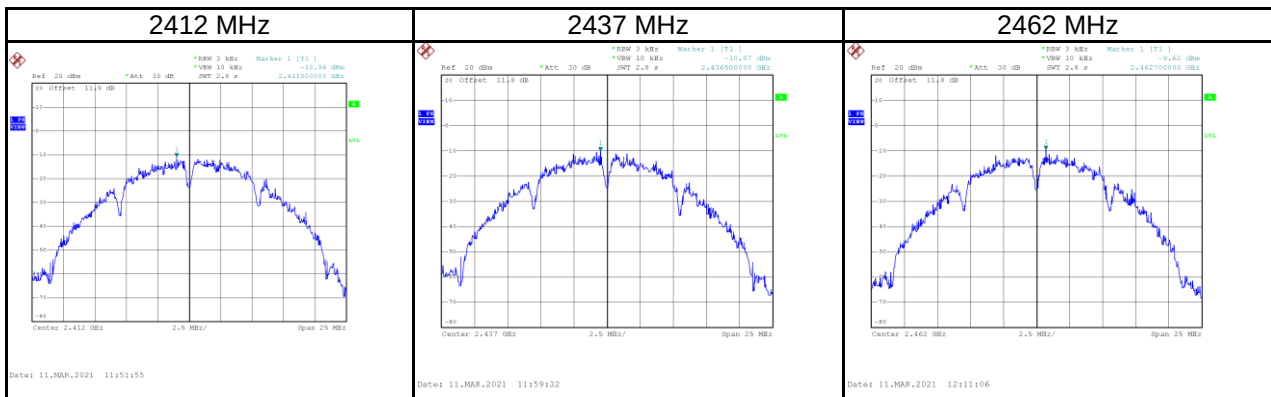
Test Mode	IEEE 802.11b_Main Antenna
-----------	---------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-9.65	8.00	Pass
2437	-10.58	8.00	Pass
2462	-12.00	8.00	Pass



Test Mode	IEEE 802.11b_Aux Antenna
-----------	--------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-10.94	8.00	Pass
2437	-10.07	8.00	Pass
2462	-9.62	8.00	Pass

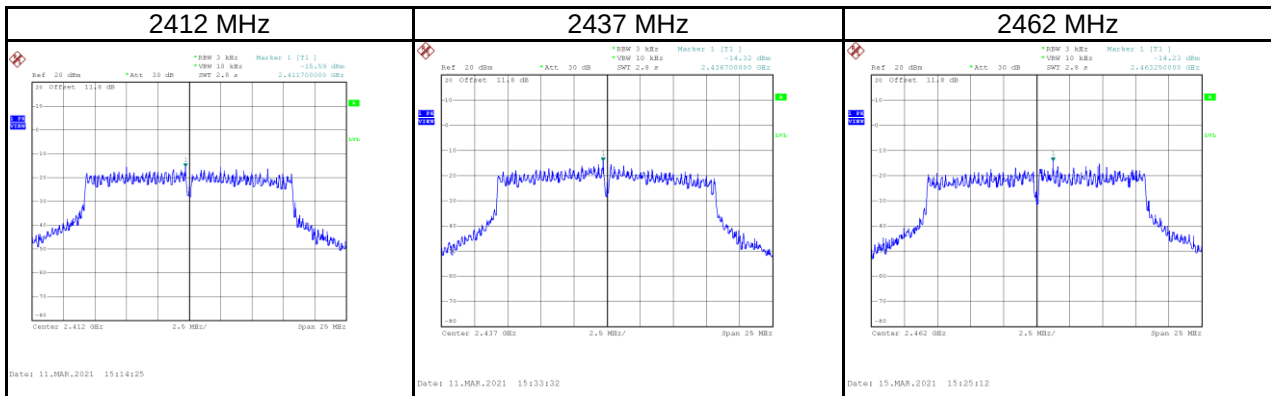


Test Mode	IEEE 802.11b_Total
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Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-7.24	8.00	Pass
2437	-7.31	8.00	Pass
2462	-7.64	8.00	Pass

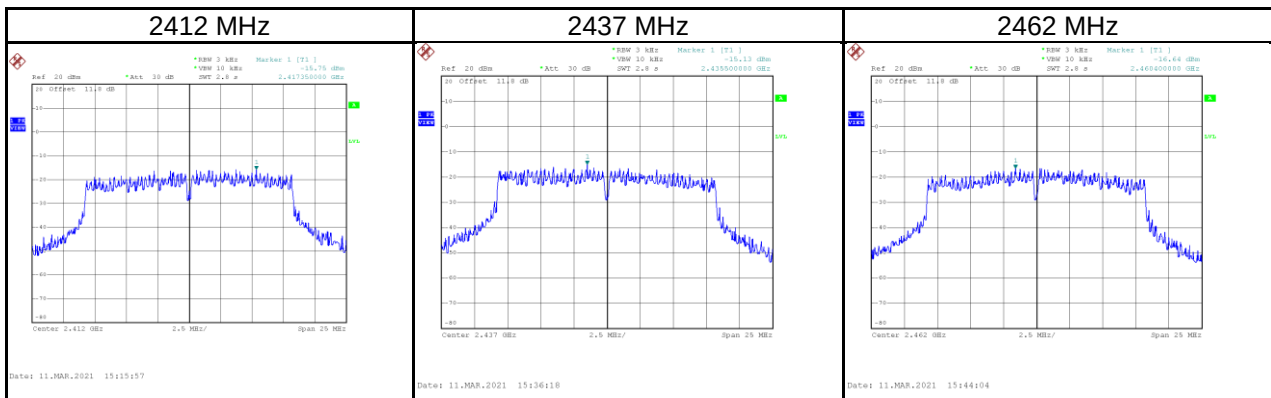
Test Mode	IEEE 802.11g_Main Antenna
-----------	---------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-15.59	8.00	Pass
2437	-14.32	8.00	Pass
2462	-14.23	8.00	Pass



Test Mode	IEEE 802.11g_Aux Antenna
-----------	--------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-15.75	8.00	Pass
2437	-15.13	8.00	Pass
2462	-16.64	8.00	Pass

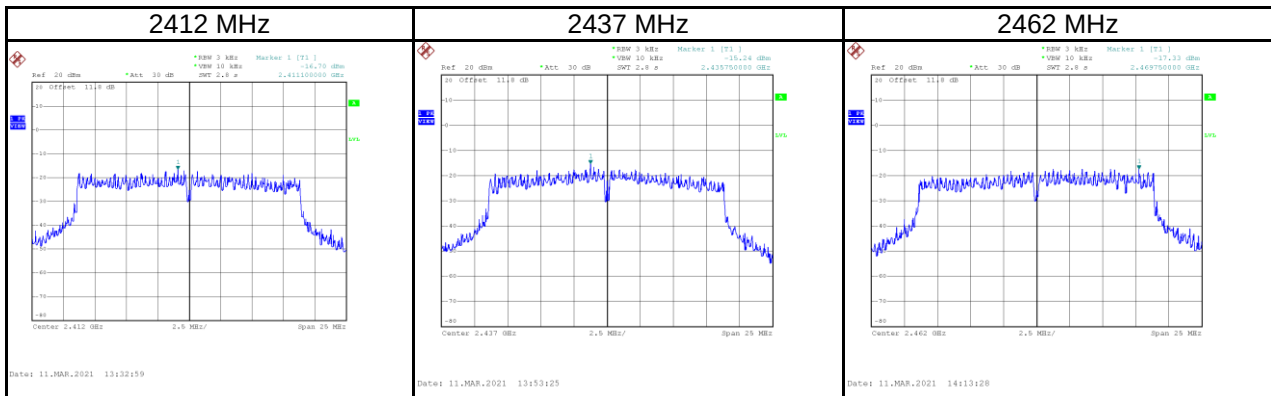


Test Mode	IEEE 802.11g_Total
-----------	--------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-12.66	8.00	Pass
2437	-11.70	8.00	Pass
2462	-12.26	8.00	Pass

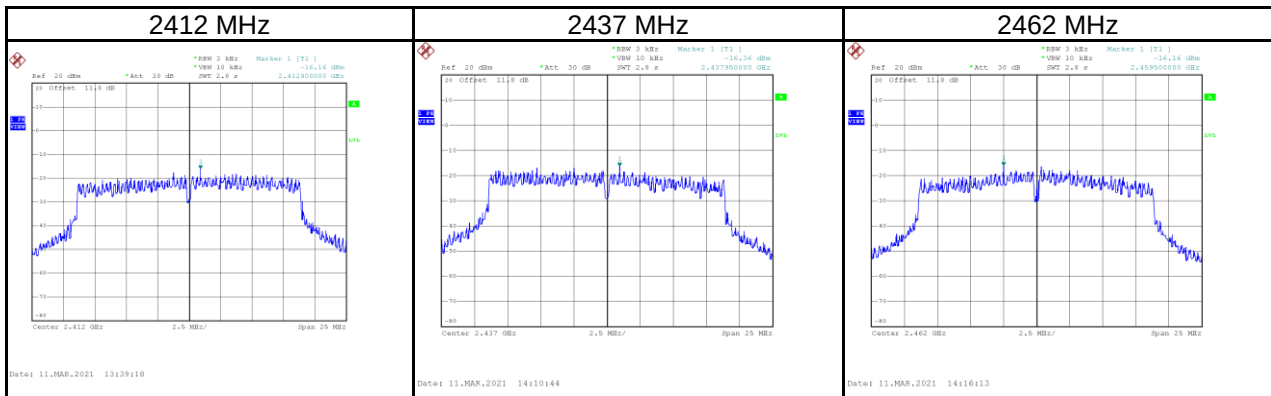
Test Mode	IEEE 802.11n (HT20)_Main Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-16.70	8.00	Pass
2437	-15.24	8.00	Pass
2462	-17.33	8.00	Pass



Test Mode	IEEE 802.11n (HT20)_Aux Antenna
-----------	---------------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-16.16	8.00	Pass
2437	-16.36	8.00	Pass
2462	-16.16	8.00	Pass

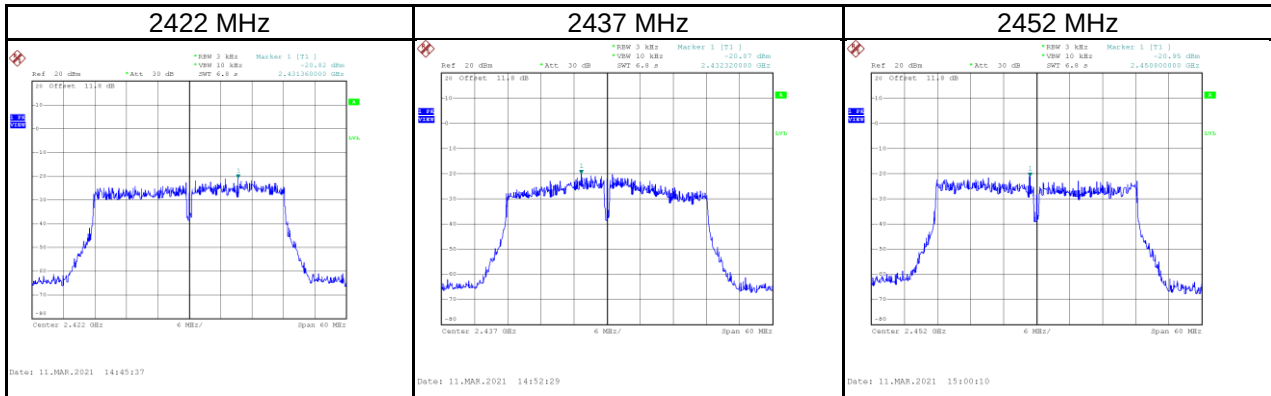


Test Mode	IEEE 802.11n (HT20)_Total
-----------	---------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-13.41	8.00	Pass
2437	-12.75	8.00	Pass
2462	-13.70	8.00	Pass

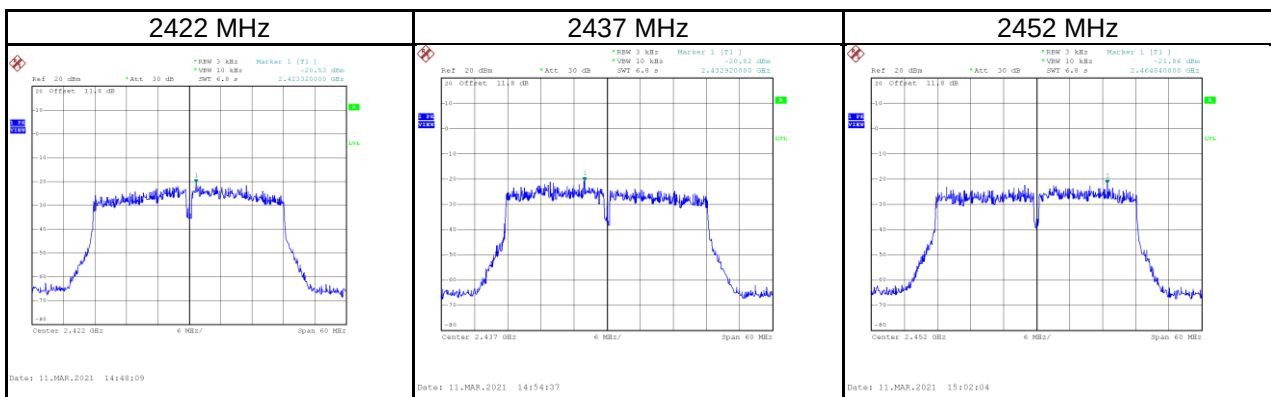
Test Mode	IEEE 802.11n (HT40)_Main Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-20.82	8.00	Pass
2437	-20.07	8.00	Pass
2452	-20.95	8.00	Pass



Test Mode	IEEE 802.11n (HT40)_Aux Antenna
-----------	---------------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-20.53	8.00	Pass
2437	-20.82	8.00	Pass
2452	-21.86	8.00	Pass



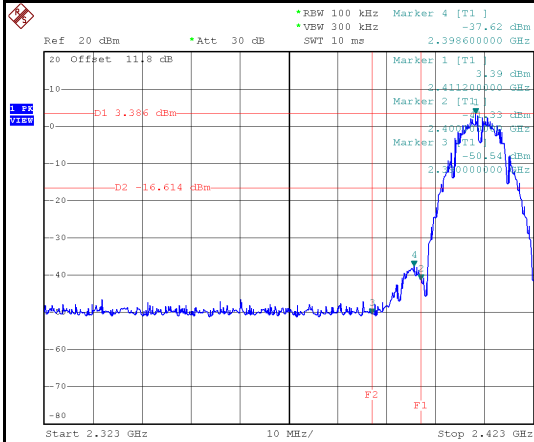
Test Mode	IEEE 802.11n (HT40)_Total
-----------	---------------------------

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2422	-17.66	8.00	Pass
2437	-17.42	8.00	Pass
2452	-18.37	8.00	Pass

APPENDIX G ANTENNA CONDUCTED SPURIOUS EMISSIONS

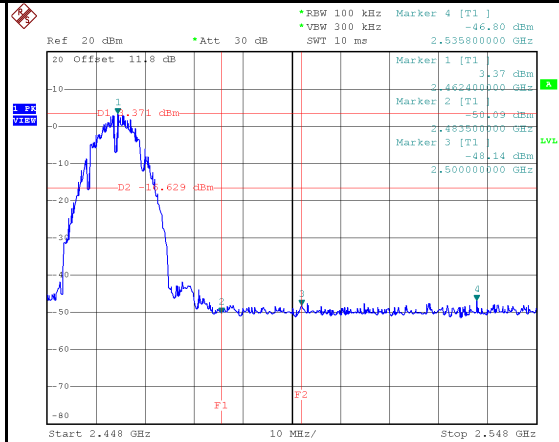
Test Mode IEEE 802.11b_Main Antenna

Low Bandedge-2412 MHz



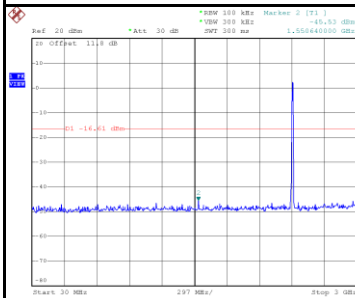
Date: 11.MAR.2021 11:54:02

High Bandedge-2462 MHz

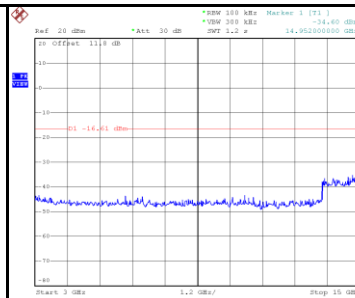


Date: 15.MAR.2021 15:21:32

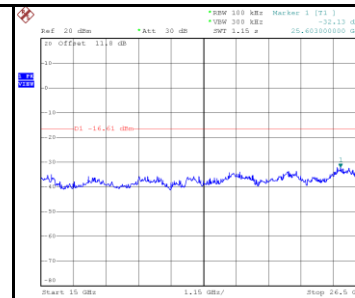
2412 MHz-10th Harmonics



Date: 11.MAR.2021 11:54:15

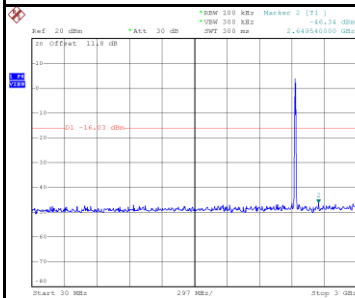


Date: 11.MAR.2021 11:54:23

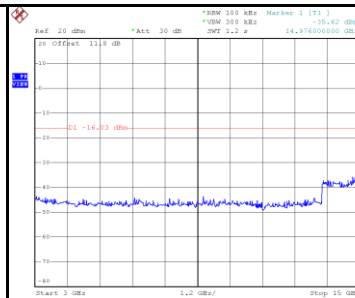


Date: 11.MAR.2021 11:54:30

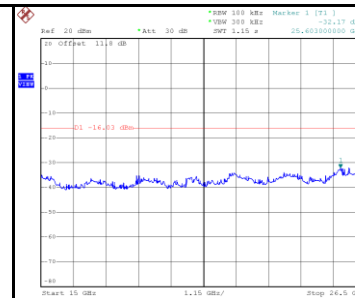
2437 MHz-10th Harmonics



Date: 11.MAR.2021 11:56:16

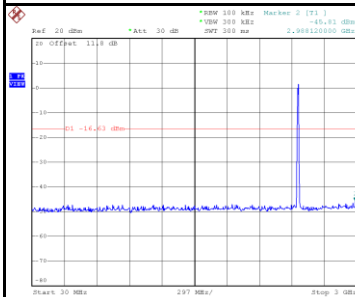


Date: 11.MAR.2021 11:57:03

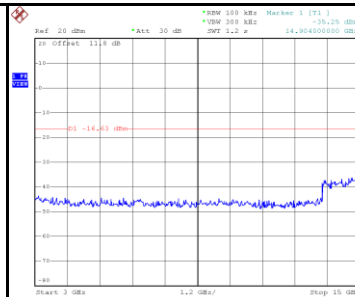


Date: 11.MAR.2021 11:57:11

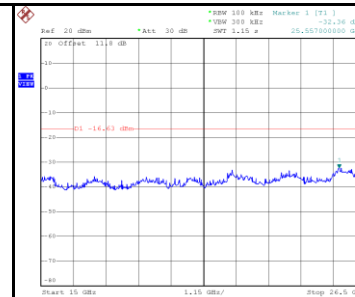
2462 MHz-10th Harmonics



Date: 15.MAR.2021 15:21:45



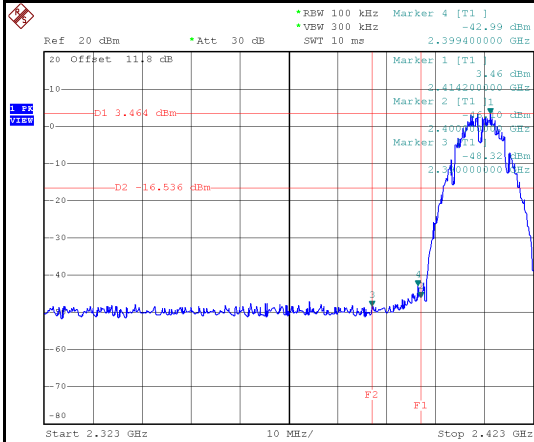
Date: 15.MAR.2021 15:21:52



Date: 15.MAR.2021 15:21:59

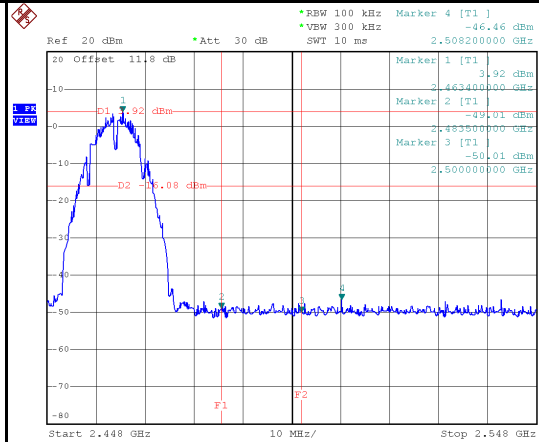
Test Mode IEEE 802.11b_Aux Antenna

Low Bandedge-2412 MHz



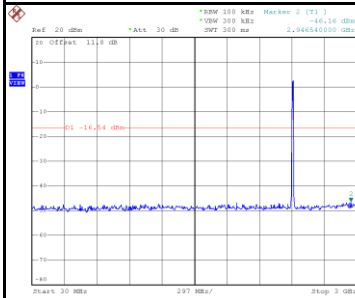
Date: 11.MAR.2021 11:51:19

High Bandedge-2462 MHz

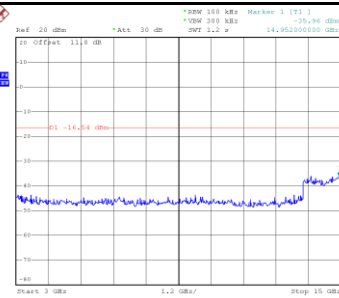


Date: 11.MAR.2021 12:10:30

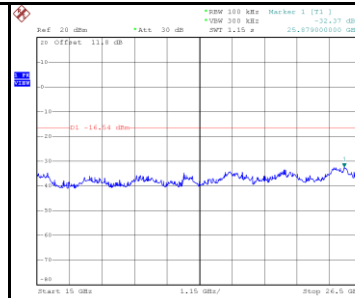
2412 MHz-10th Harmonics



Date: 11.MAR.2021 11:51:32

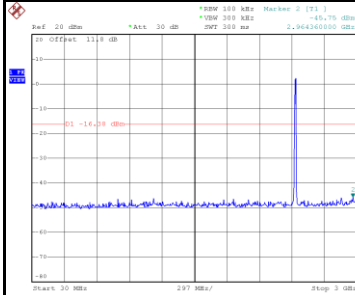


Date: 11.MAR.2021 11:51:39

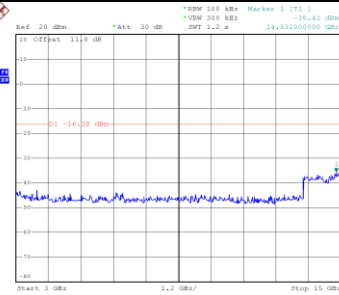


Date: 11.MAR.2021 11:51:46

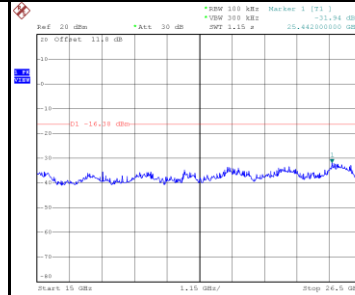
2437 MHz-10th Harmonics



Date: 11.MAR.2021 11:59:09

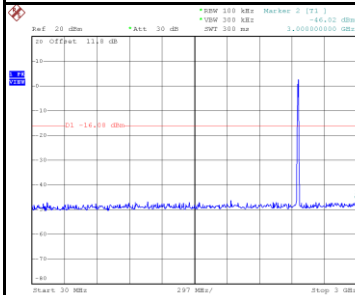


Date: 11.MAR.2021 11:59:16

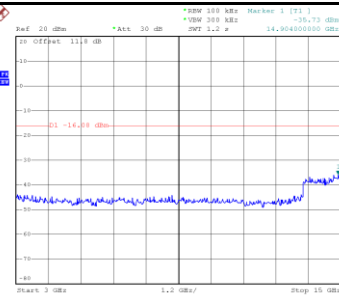


Date: 11.MAR.2021 11:59:23

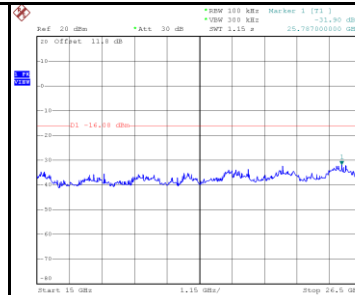
2462 MHz-10th Harmonics



Date: 11.MAR.2021 12:10:43



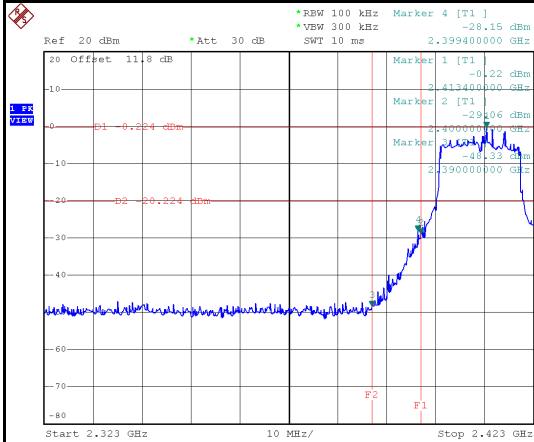
Date: 11.MAR.2021 12:10:50



Date: 11.MAR.2021 12:10:58

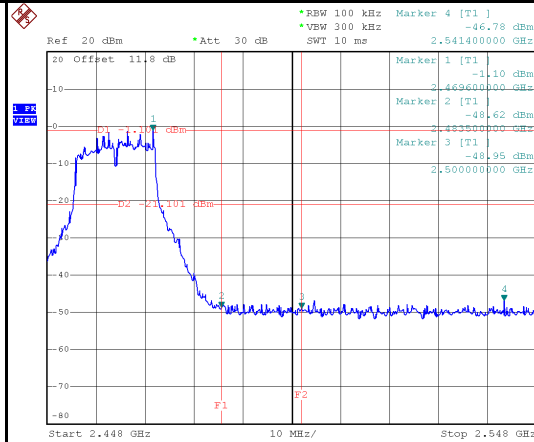
Test Mode IEEE 802.11g_Main Antenna

Low Bandedge-2412 MHz



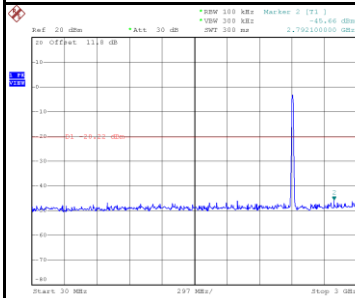
Date: 11.MAR.2021 15:13:49

High Bandedge-2462 MHz

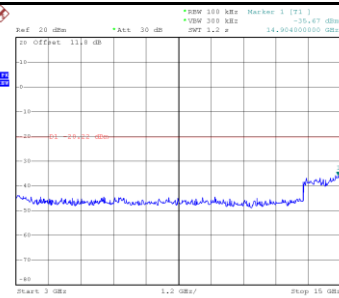


Date: 15.MAR.2021 15:24:36

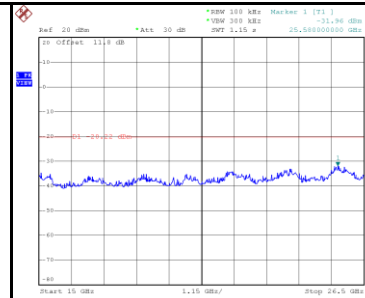
2412 MHz-10th Harmonics



Date: 11.MAR.2021 15:14:02

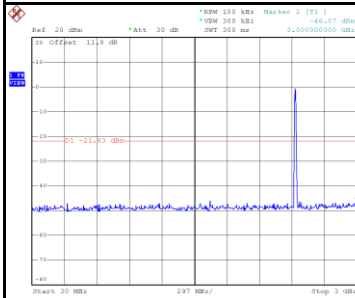


Date: 11.MAR.2021 15:14:09

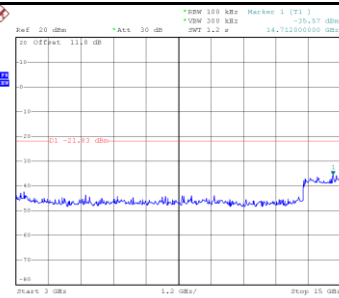


Date: 11.MAR.2021 15:14:16

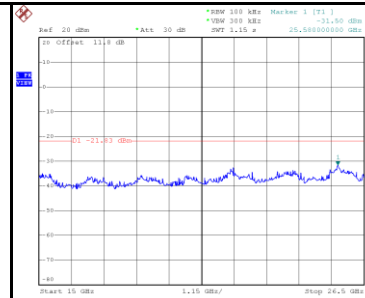
2437 MHz-10th Harmonics



Date: 11.MAR.2021 15:13:109

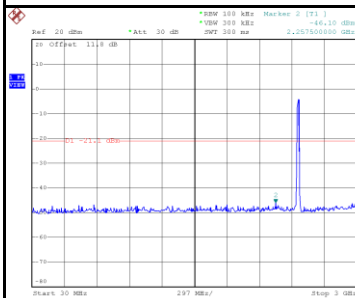


Date: 11.MAR.2021 15:13:116

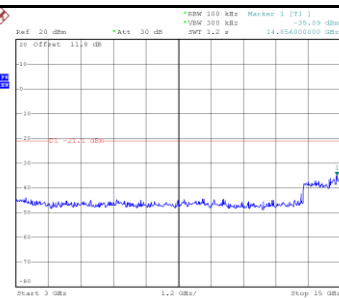


Date: 11.MAR.2021 15:13:123

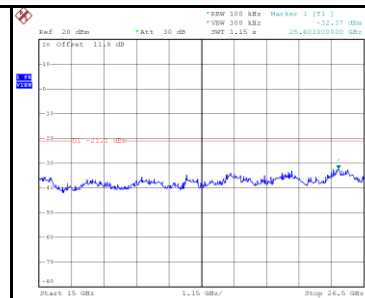
2462 MHz-10th Harmonics



Date: 15.MAR.2021 15:24:49



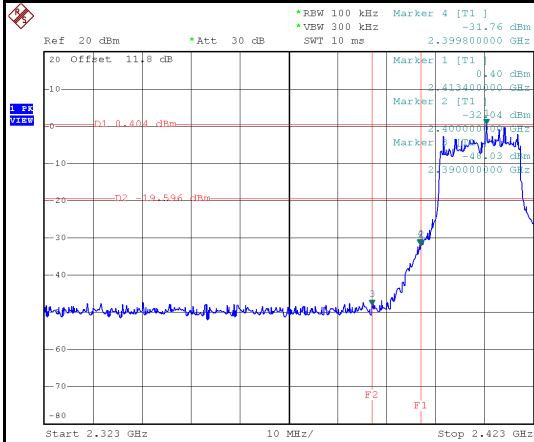
Date: 15.MAR.2021 15:24:56



Date: 15.MAR.2021 15:25:03

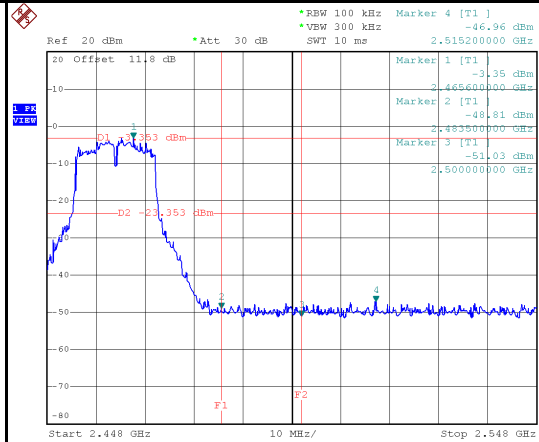
Test Mode IEEE 802.11g_Aux Antenna

Low Bandedge-2412 MHz



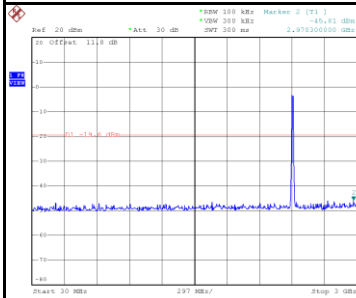
Date: 11.MAR.2021 15:15:21

High Bandedge-2462 MHz

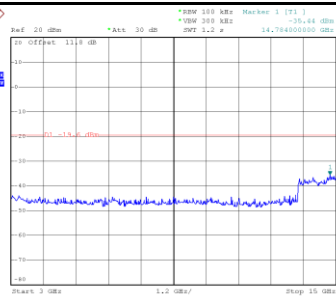


Date: 11.MAR.2021 15:43:28

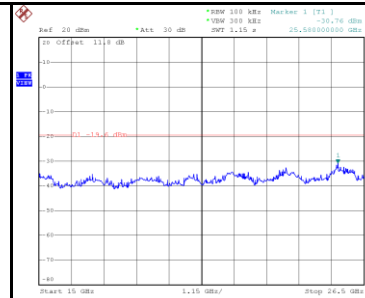
2412 MHz-10th Harmonics



Date: 11.MAR.2021 15:15:14

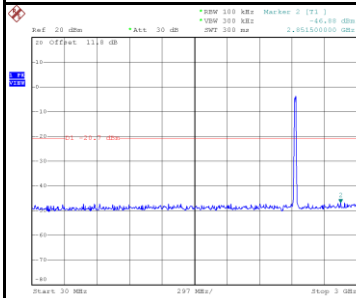


Date: 11.MAR.2021 15:15:41

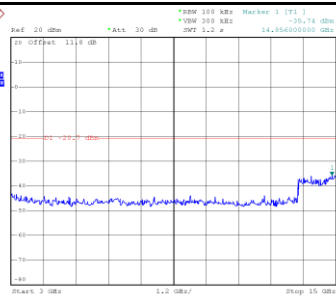


Date: 11.MAR.2021 15:15:48

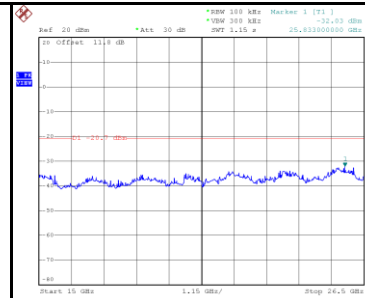
2437 MHz-10th Harmonics



Date: 11.MAR.2021 15:15:55

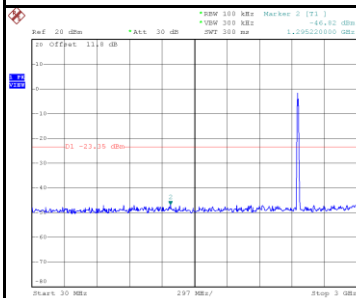


Date: 11.MAR.2021 15:16:02

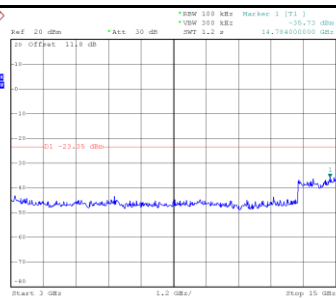


Date: 11.MAR.2021 15:16:09

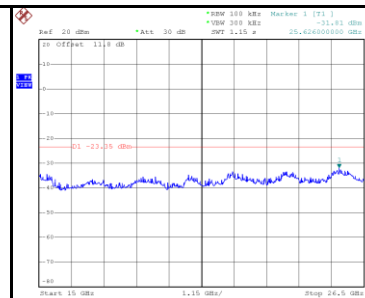
2462 MHz-10th Harmonics



Date: 11.MAR.2021 15:43:41



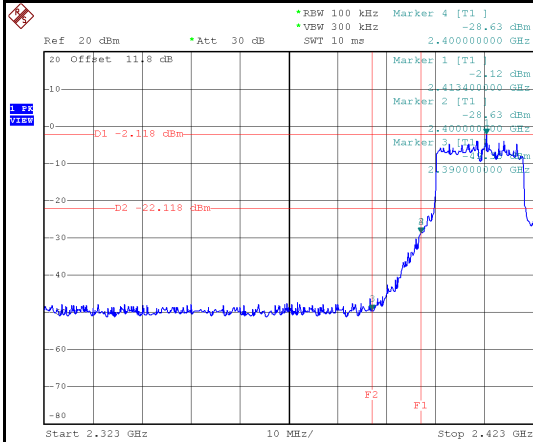
Date: 11.MAR.2021 15:43:49



Date: 11.MAR.2021 15:43:56

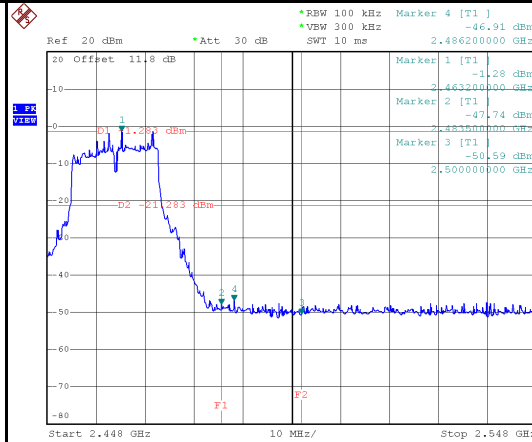
Test Mode IEEE 802.11n (HT20)_Main Antenna

Low Bandedge-2412 MHz



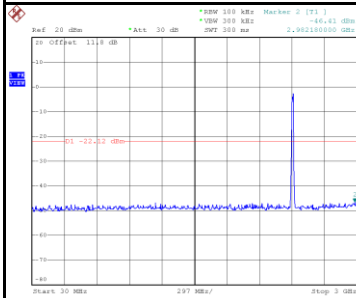
Date: 11.MAR.2021 13:32:23

High Bandedge-2462 MHz

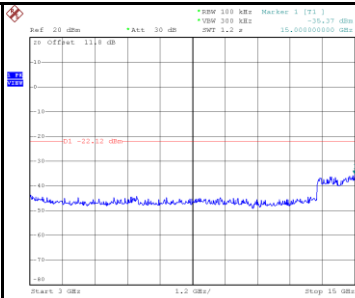


Date: 11.MAR.2021 14:12:52

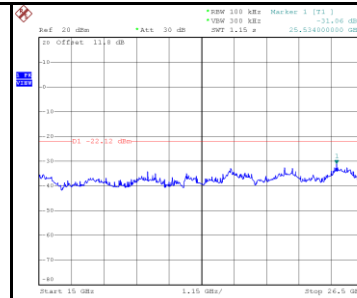
2412 MHz-10th Harmonics



Date: 11.MAR.2021 13:32:17

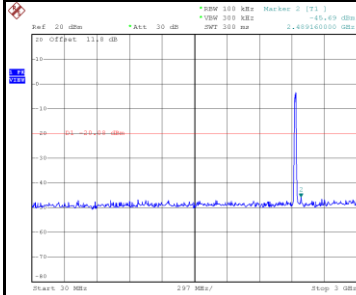


Date: 11.MAR.2021 13:32:44

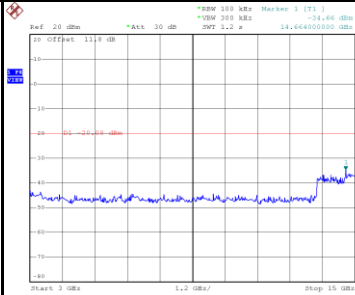


Date: 11.MAR.2021 13:32:51

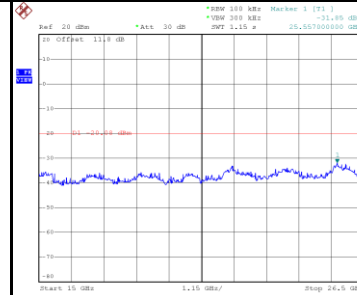
2437 MHz-10th Harmonics



Date: 11.MAR.2021 13:53:02

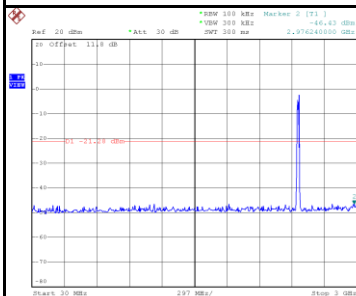


Date: 11.MAR.2021 13:53:09

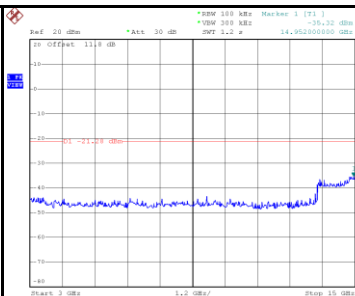


Date: 11.MAR.2021 13:53:16

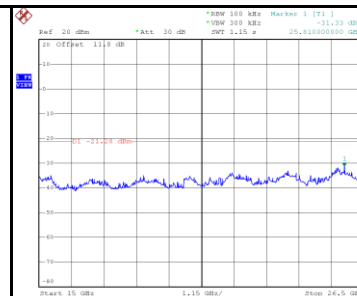
2462 MHz-10th Harmonics



Date: 11.MAR.2021 14:13:05



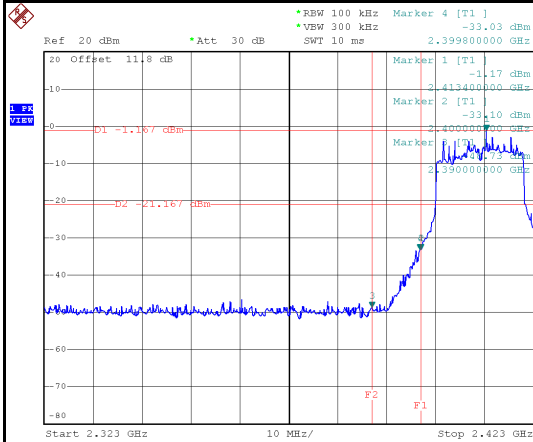
Date: 11.MAR.2021 14:13:12



Date: 11.MAR.2021 14:13:19

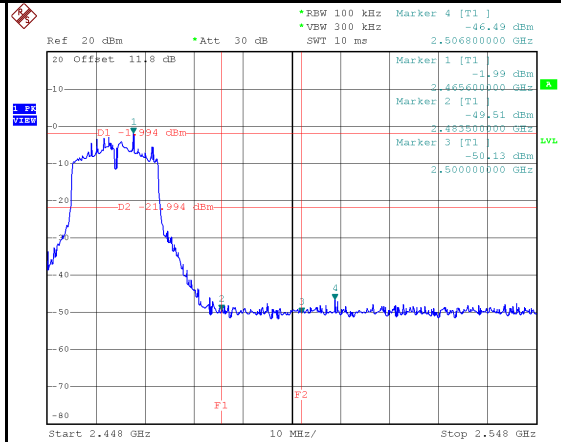
Test Mode IEEE 802.11n (HT20)_Aux Antenna

Low Bandedge-2412 MHz



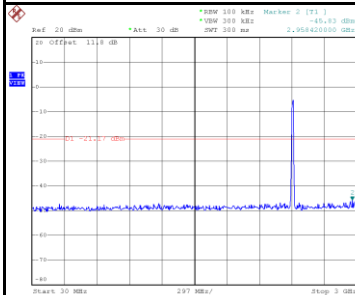
Date: 11.MAR.2021 13:38:42

High Bandedge-2462 MHz

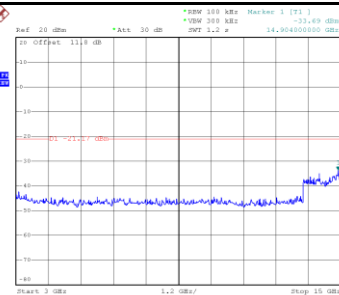


Date: 11.MAR.2021 14:15:37

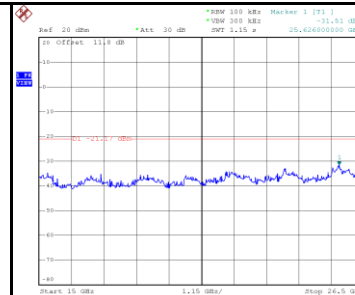
2412 MHz-10th Harmonics



Date: 11.MAR.2021 13:38:55

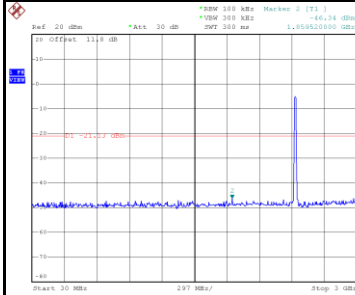


Date: 11.MAR.2021 13:39:02

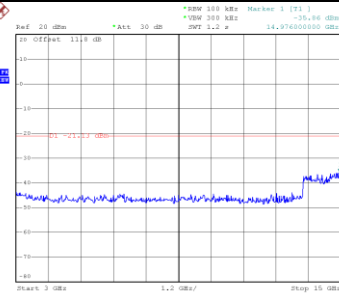


Date: 11.MAR.2021 13:39:09

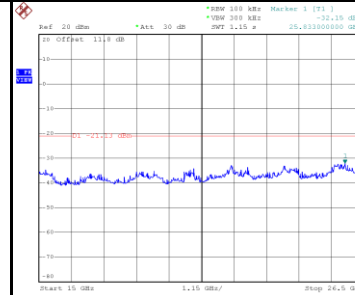
2437 MHz-10th Harmonics



Date: 11.MAR.2021 14:10:21

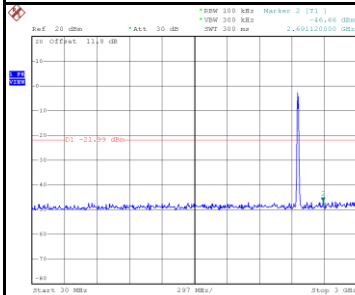


Date: 11.MAR.2021 14:10:28

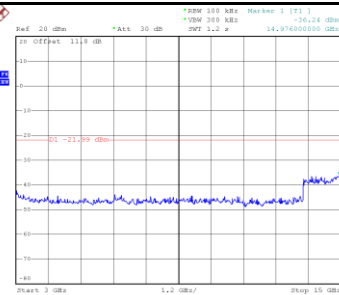


Date: 11.MAR.2021 14:10:35

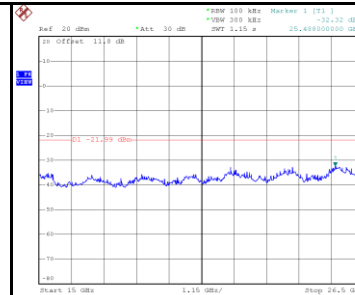
2462 MHz-10th Harmonics



Date: 11.MAR.2021 14:15:51

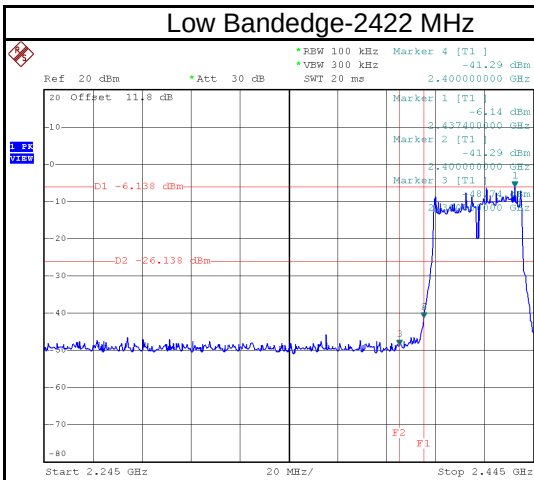


Date: 11.MAR.2021 14:15:58

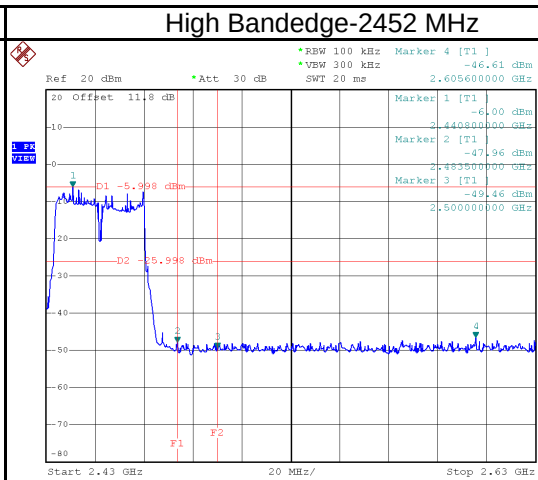


Date: 11.MAR.2021 14:16:05

Test Mode	IEEE 802.11n (HT40)_Main Antenna
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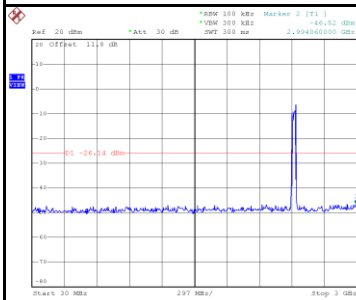


Date: 11.MAR.2021 14:44:58

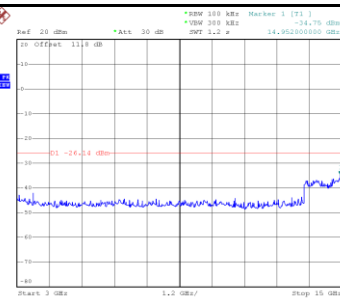


Date: 11.MAR.2021 14:59:31

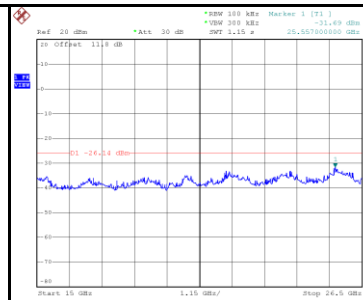
2422 MHz-10th Harmonics



Date: 11.MAR.2021 14:45:11

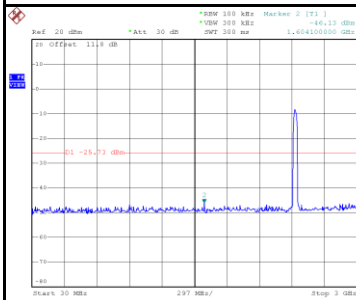


Date: 11.MAR.2021 14:45:18

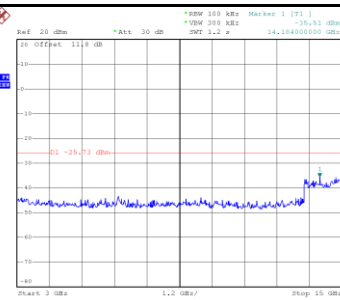


Date: 11.MAR.2021 14:45:25

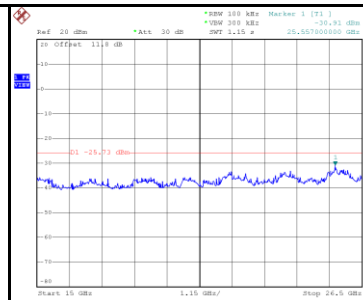
2437 MHz-10th Harmonics



Date: 11.MAR.2021 14:52:03

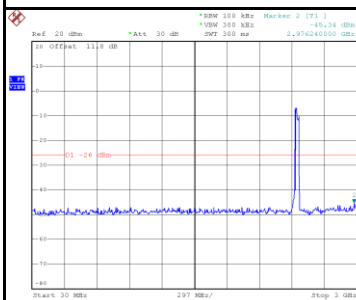


Date: 11.MAR.2021 14:52:10

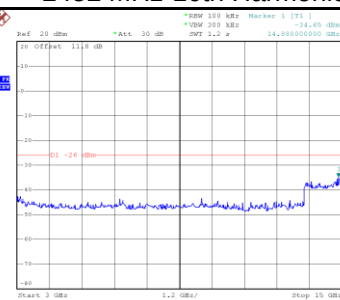


Date: 11.MAR.2021 14:52:18

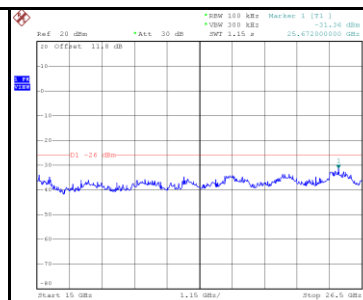
2452 MHz-10th Harmonics



Date: 11.MAR.2021 14:59:44



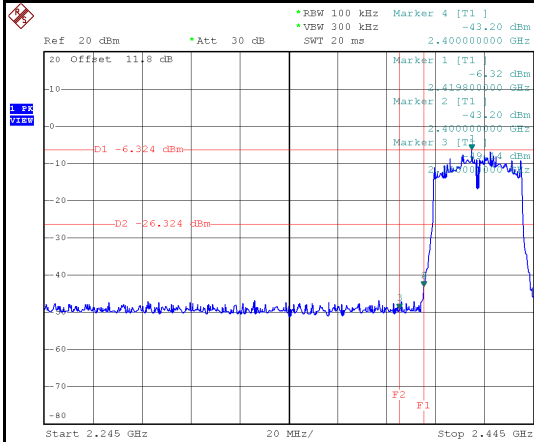
Date: 11.MAR.2021 14:39:51



Date: 11.MAR.2021 14:59:58

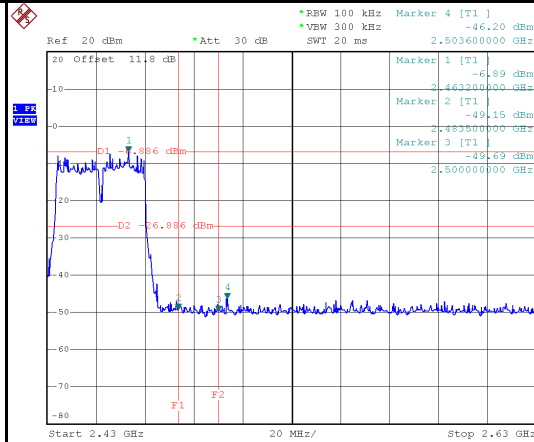
Test Mode IEEE 802.11n (HT40)_Aux Antenna

Low Bandedge-2422 MHz



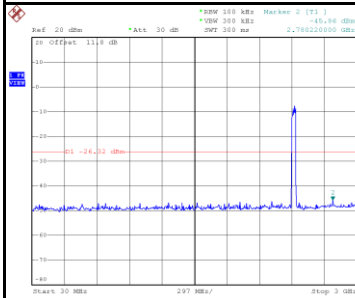
Date: 11.MAR.2021 14:47:30

High Bandedge-2452 MHz

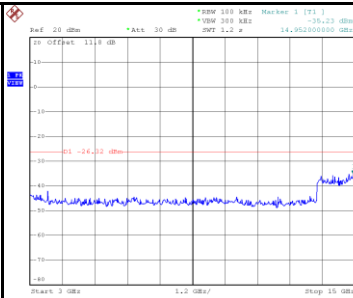


Date: 11.MAR.2021 15:01:25

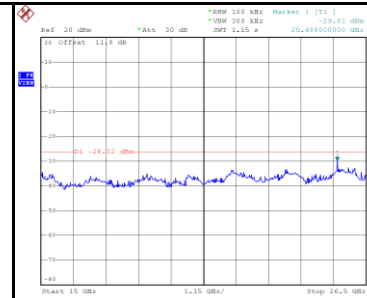
2422 MHz-10th Harmonics



Date: 11.MAR.2021 14:47:43

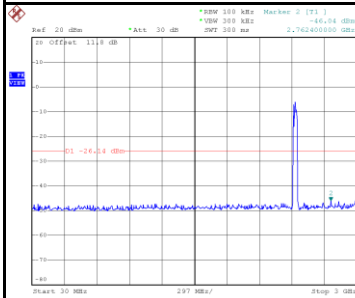


Date: 11.MAR.2021 14:47:50

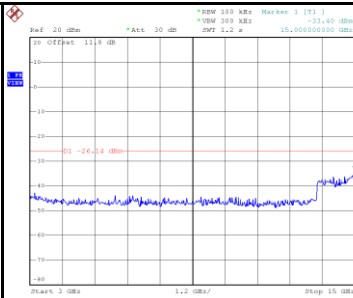


Date: 11.MAR.2021 14:47:57

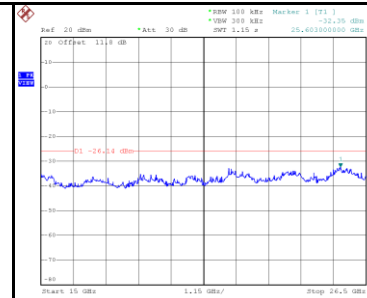
2437 MHz-10th Harmonics



Date: 11.MAR.2021 14:51:11

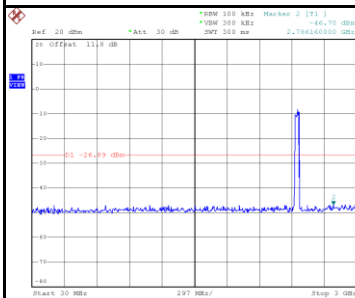


Date: 11.MAR.2021 14:51:10

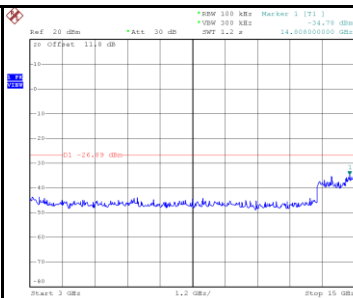


Date: 11.MAR.2021 14:51:25

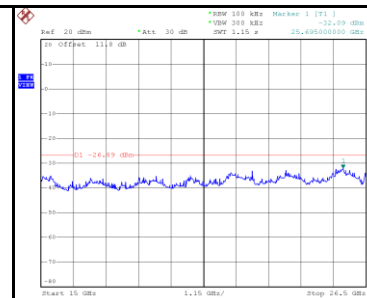
2452 MHz-10th Harmonics



Date: 11.MAR.2021 15:01:30



Date: 11.MAR.2021 15:01:45



Date: 11.MAR.2021 15:01:52

End of Test Report