TEST REPORT

Report No. .....:	**CTC2025276590**
FCC ID.....:	**WNA-GN630**
Applicant .....:	**Shenzhen Skyworth Digital Technology Co.,LTD.**
Address.....:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Manufacturer.....:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address.....:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Product Name .....:	**GPON**
Trade Mark .....:	SKYWORTH
Model/Type reference.....:	GN630V
Listed Model(s).....:	TEN25, GN630, GN630VE, SK-D7462, SK-D7462v2
Standard .....:	**FCC CFR Title 47 Part 15 Subpart C Section 15.247**
Test Report Form No .....:	CTC-TR-057_A2
Master TRF .....:	Dated 2025-05-12
Date of receipt of test sample.....:	Apr. 22, 2025
Date of testing.....:	Apr. 22, 2025 to May 22, 2025
Date of issue.....:	Jun. 10, 2025
Result.....:	**PASS**

Compiled by: (Printed name+signature)	Lucy Lan	Lucy Lan
Supervised by: (Printed name+signature)	Eric Zhang	Eric Zhang
Approved by: (Printed name+signature)	Totti Zhao	Totti Zhao

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Operation within the bands 902–928MHz, 2400–2483.5MHz, and 5725–5850MHz.

ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Report No.	Date of issue	Description
01	CTC2025276590	Jun. 10, 2025	Original

1.3. Test Description

FCC Part 15 Subpart C (15.247)			
Test Item	**Standard Section**	**Result**	**Test Engineer**
Antenna Requirement	15.203	Pass	Marrow
Conducted Emission	15.207	Pass	Marrow
Conducted Band Edge and Spurious Emissions	15.247(d)	Pass	Marrow
Radiated Band Edge and Spurious Emissions	15.205&15.209& 15.247(d)	Pass	Marrow
6dB Bandwidth	15.247(a)(2)	Pass	Marrow
Conducted Max Output Power	15.247(b)(3)	Pass	Marrow
Power Spectral Density	15.247(e)	Pass	Marrow
Transmitter Radiated Spurious	15.209&15.247(d)	Pass	Marrow

Note:

1. The measurement uncertainty is not included in the test result.
2. N/A: means this test item is not applicable for this device according to the technology characteristic of device.

1.4. Test Facility

Address of the report laboratory

CTC Laboratories, Inc.

Add: Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.

1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 “Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1” and TR-100028-02 “Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2” and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

Test Items	Measurement Uncertainty	Notes
DTS Bandwidth	±0.0196%	(1)
Maximum Conducted Output Power	±0.686 dB	(1)
Maximum Power Spectral Density Level	±0.743 dB	(1)
Band-edge Compliance	±1.328 dB	(1)
Unwanted Emissions In Non-restricted Freq Bands	9kHz-1GHz: ±0.746dB 1GHz-26GHz: ±1.328dB	(1)
Conducted Emissions 9kHz~30MHz	±3.08 dB	(1)
Radiated Emissions 30~1000MHz	±4.51 dB	(1)
Radiated Emissions 1~18GHz	±5.84 dB	(1)
Radiated Emissions 18~40GHz	±6.12 dB	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.6. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15 °C to 35 °C
Relative Humidity:	20 % to 75 %
Air Pressure:	101 kPa

2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Factory:	Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Factory
Address:	2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyan Street, Baoan District, Shenzhen city, China.

2.2. General Description of EUT

Product Name:	GPON
Trade Mark:	SKYWORTH
Model/Type reference:	GN630V
Listed Model(s):	TEN25, GN630, GN630VE, SK-D7462, SK-D7462v2
Model Difference:	Only the model names are different
Sample ID:	CTC250418-010-S001
Power supply:	DC 12V 1.5A from AC/DC Adapter
Adapter Model 1:	AH-SDT120150U53P[Note1] Input: 100-240V ~ 50/60Hz, 0.6A Output: 12V 1.5A 18W
Adapter Model 2:	YS-SKY120150U03P[Note2] Input: 100-240V ~ 50/60Hz, 0.6A Output: 12V 1.5A
Hardware Version:	5800-2ATEN25-1202
Software Version:	V1.0.0.5

Note:
1. AH-SDT120150U5xP (x=0-9, represent different customer and different output cord, not affecting safety)
2. YS-SKY120150U0xP, (x=0-9, indicates marketing purpose, no safety and EMC impact)

2.4G Wi-Fi	
Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/ n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Operation Frequency:	802.11b/ g/ n(HT20)/ ax(HE20): 2412MHz~2462MHz 802.11n(HT40)/ ax(HE40): 2422MHz~2452MHz
Channel Number:	802.11b/ g/ n(HT20)/ ax(HE20): 11 channels 802.11n(HT40)/ ax(HE40): 7 channels
Channel Separation:	5MHz
Antenna Type:	FPC Antenna
Antenna Gain:	Ant1: 2.75dBi Ant2: 2.09dBi

2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	ThinkPad T460s	/	Lenovo
Cable Information			
Name	Shielded Type	Ferrite Core	Length
LAN Cable	Unshielded	NO	150cm
Test Software Information			
Name	Version	/	/
QATool	UIv2.73	/	/

2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

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

Note: CH 01~CH 11 for 802.11b/g/n(HT20)/ax(HE20), CH 03~CH 09 for 802.11n(HT40)/ax(HE40).

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	NA	NA	FPC Antenna	IPEX	2.75
2	NA	NA	FPC Antenna	IPEX	2.09

For 2.4G, this EUT supports MIMO 2X2 with the unequal antenna gain, and any transmit signals are correlated with each other.

According to KDB 662911 D01, Directional Gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2$ /N] dBi, that is Directional Gain = 10 log[((10^(2.75/20)+10^(2.09/20))^2)/2]=5.44dBi.

Data Rated:

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is the worsted case mode.

Test Mode	Data Rate (worst mode)
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)/ (HT40)	HT-MCS0
802.11ax(HE20)/ (HE40)	HE-MCS0

Test Mode:

For RF test items:
1. The engineering test program was provided and enabled to make EUT continuous transmit.
2.IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report
For AC power line conducted emissions:
The EUT was set to connect with the WLAN AP under large package sizes transmission.
For Radiated spurious emissions test item:
The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

2.5. Measurement Instruments List

Radiated emission						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-1013	Dec. 18, 2024	Dec. 17, 2025
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-648	Dec. 12, 2024	Dec. 11, 2025
3	Spectrum Analyzer	R&S	FSU26	100105	Dec. 13, 2024	Dec. 12, 2025
4	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 22, 2024	Mar. 21, 2025
5	Pre-Amplifier	SONOMA	310	186194	Dec. 13, 2024	Dec. 12, 2025
6	Low Noise Pre-Amplifier	EMCI	EMC051835	980075	Dec. 13, 2024	Dec. 12, 2025
7	Test Receiver	R&S	ESCI7	100967	Dec. 13, 2024	Dec. 12, 2025
8	RE32L-001	HUBENR	/	009 (9kHz-1GHz)	Feb. 09, 2025	Feb. 08, 2026
9	RE32L-002	HUBENR	/	010 (9kHz-1GHz)	Feb. 09, 2025	Feb. 08, 2026
10	RE32L-003	HUBENR	/	011 (9kHz-1GHz)	Feb. 09, 2025	Feb. 08, 2026
11	RE32H-001	HUBENR	/	012 (1GHz-18GHz)	Feb. 09, 2025	Feb. 08, 2026
12	RE32H-002	HUBENR	/	013 (1GHz-18GHz)	Feb. 09, 2025	Feb. 08, 2026
13	3m chamber 2	Frankonia	EE025	/	Oct. 19, 2024	Oct. 18, 2027

Test Software		
Name	Manufacturer	Software Version
EZ-EMC	FARA	FA-03A2

RF Test System – SRD						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	MXA Signal Analyzer	Keysight	N9020A	MY46471737	Dec. 13, 2024	Dec. 12, 2025
2	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 13, 2024	Dec. 12, 2025
3	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 13, 2024	Dec. 12, 2025
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 25, 2025	Mar. 24, 2026
5	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 25, 2025	Mar. 24, 2026
6	Wideband Radio Communication Tester	R&S	CMW500	102257	Oct. 24, 2024	Oct. 23, 2025
7	RF Control Unit	Tonscend	JS0806-2	/	Dec. 13, 2024	Dec. 12, 2025
8	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 25, 2025	Mar. 24, 2026
9	RF Cable	HUBER+SUHNER	SUCOFLEX101PE	RF-08	Apr. 16, 2025	Apr. 15, 2026

Test Software		
Name	Manufacturer	Software Version
JS1120-3	Tonscend	V2.6.88.0346

Note: 1. The Cal. Interval was one year.

2. The Cal. Interval was three years of the antenna.

3. The cable loss has been calculated in test result which connection between each test instruments.

3. TEST ITEM AND RESULTS

3.1. Conducted Emission

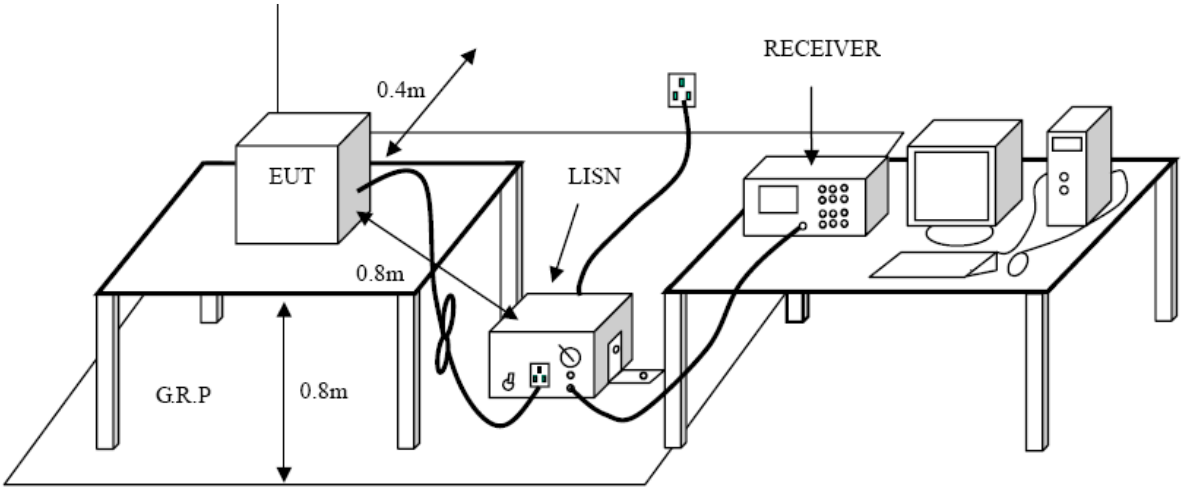
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

* Decreases with the logarithm of the frequency.

Test Configuration



Test Procedure

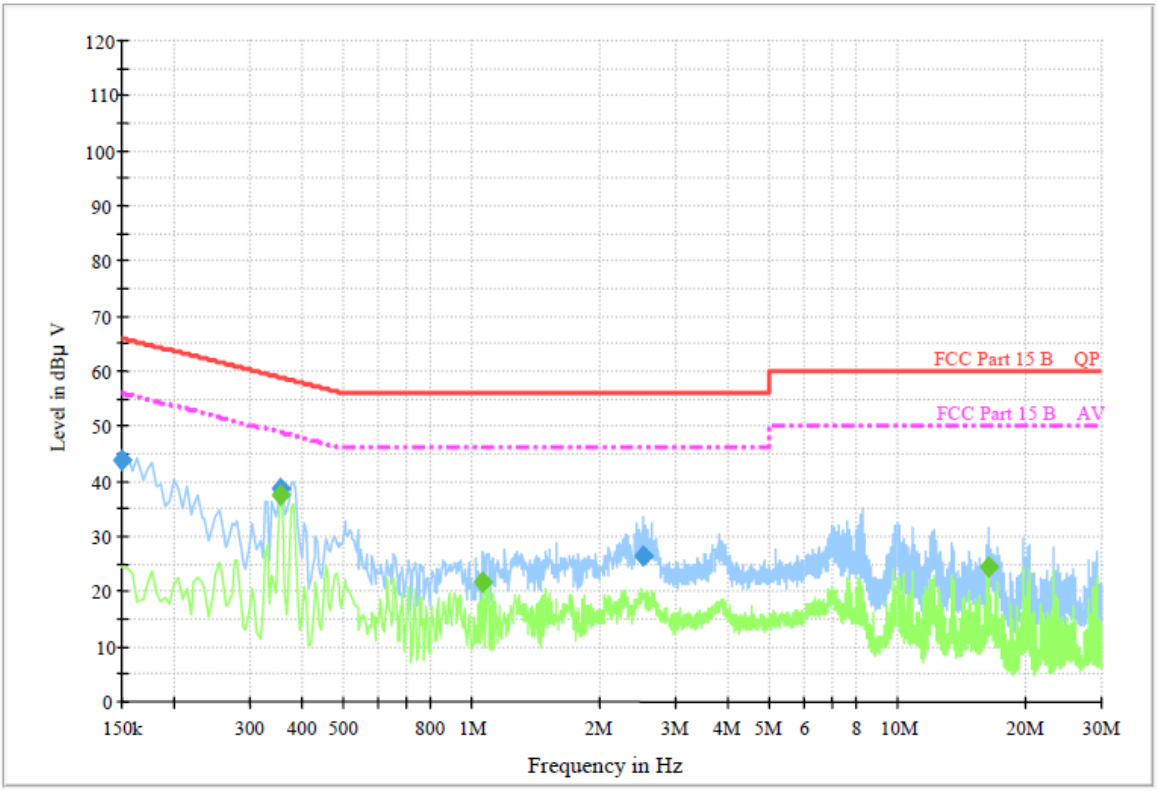
1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm / 50 μH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

Test Mode

Please refer to the clause 2.4.

Test Result

Test Voltage:	AC 120V/60Hz
Terminal:	Line
Remark:	Only worse case is reported



Final Measurement Detector 1

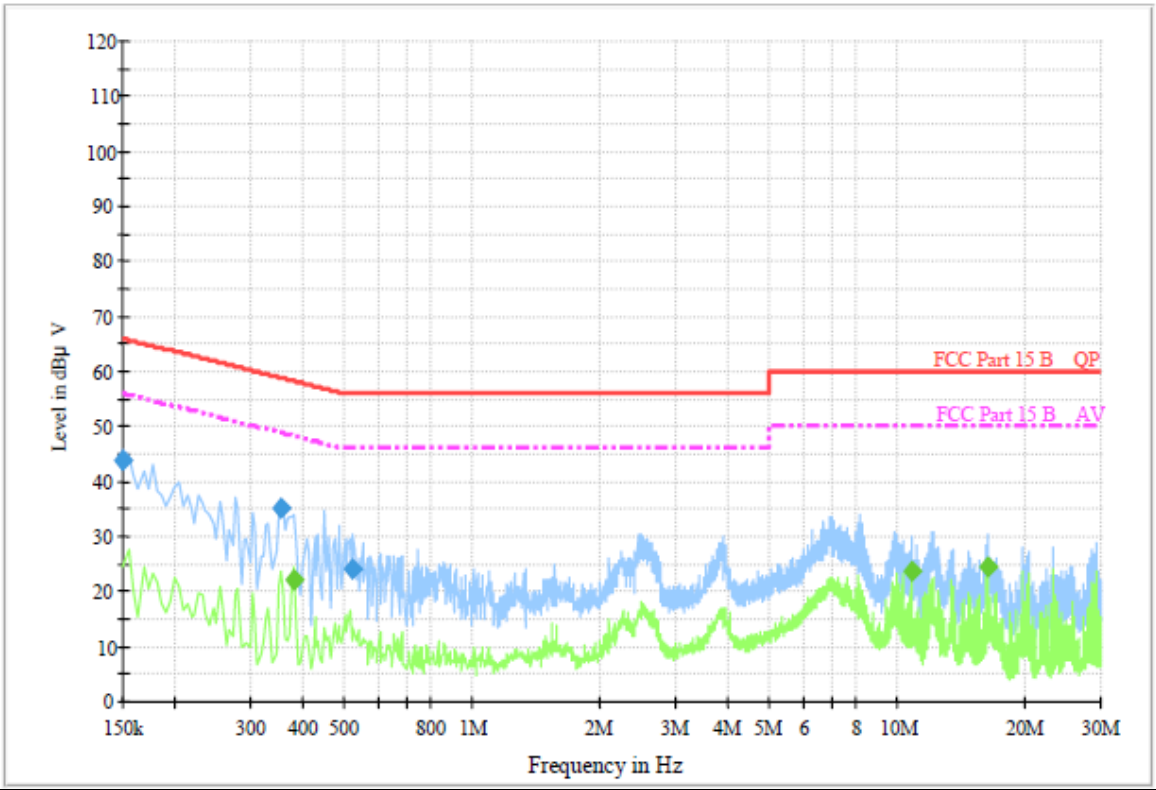
Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.150000	43.9	1000.00	9.000	On	L1	9.4	22.1	66.0	
0.352500	38.8	1000.00	9.000	On	L1	9.5	20.1	58.9	
2.517000	26.6	1000.00	9.000	On	L1	9.6	29.4	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.352500	37.5	1000.00	9.000	On	L1	9.5	11.4	48.9	
1.059000	21.5	1000.00	9.000	On	L1	9.6	24.5	46.0	
16.228500	24.5	1000.00	9.000	On	L1	9.7	25.5	50.0	

Emission Level = Read Level + Correct Factor

Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.150000	43.7	1000.00	9.000	On	N	9.4	22.3	66.0	
0.352500	35.1	1000.00	9.000	On	N	9.5	23.8	58.9	
0.523500	24.2	1000.00	9.000	On	N	9.6	31.8	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.379500	22.2	1000.00	9.000	On	N	9.5	26.1	48.3	
10.792500	23.8	1000.00	9.000	On	N	9.6	26.2	50.0	
16.228500	24.5	1000.00	9.000	On	N	9.6	25.5	50.0	

Emission Level = Read Level + Correct Factor

3.2. Radiated Emission

Limit

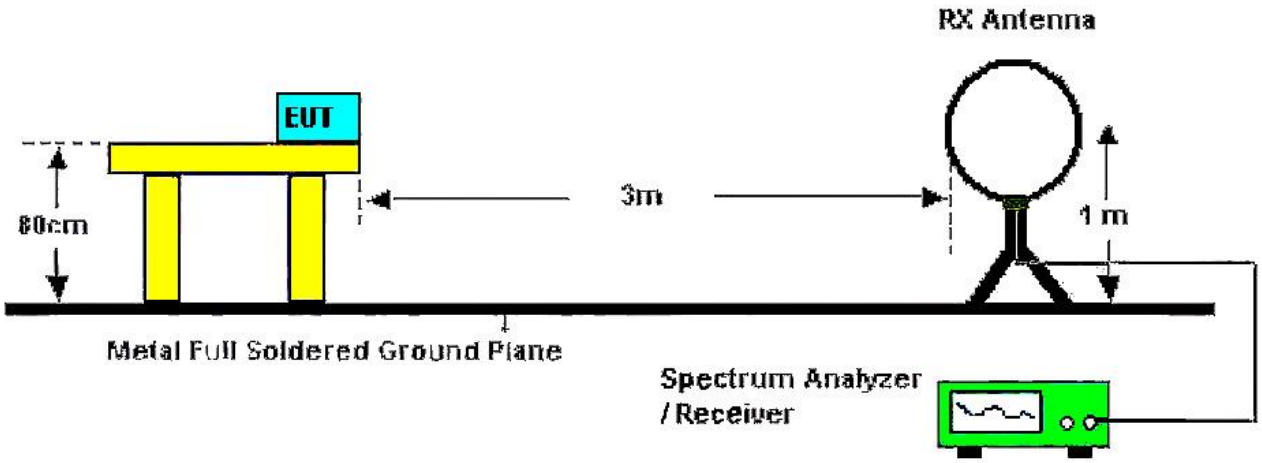
FCC CFR Title 47 Part 15 Subpart C Section 15.209

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

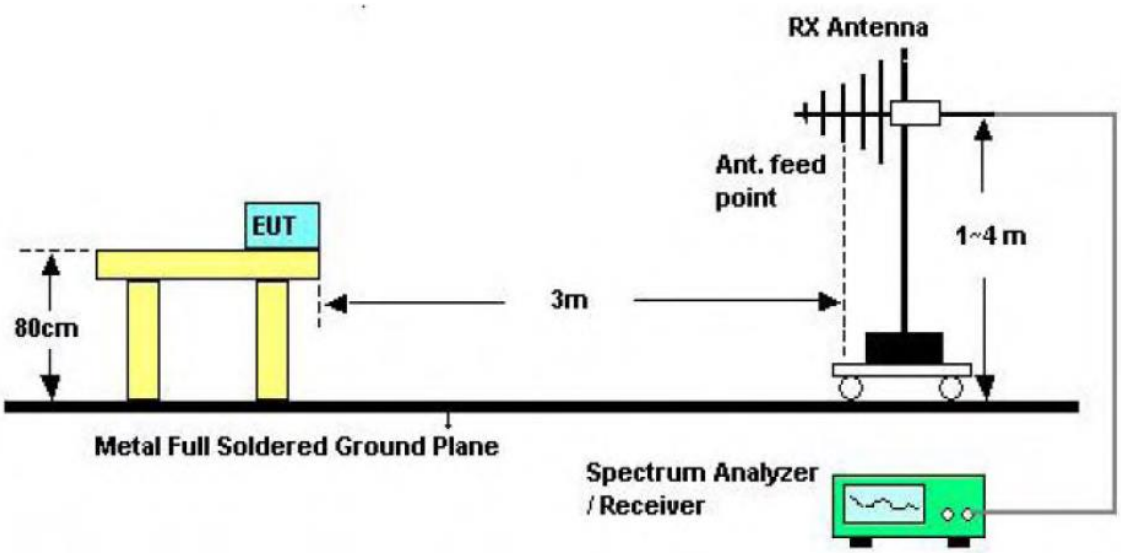
Frequency Range (MHz)	dBμV/m (at 3 meters)	
	Peak	Average
Above 1000	74	54

Note:
(1) The tighter limit applies at the band edges.
(2) Emission Level (dBμV/m)=20log Emission Level (μV/m).

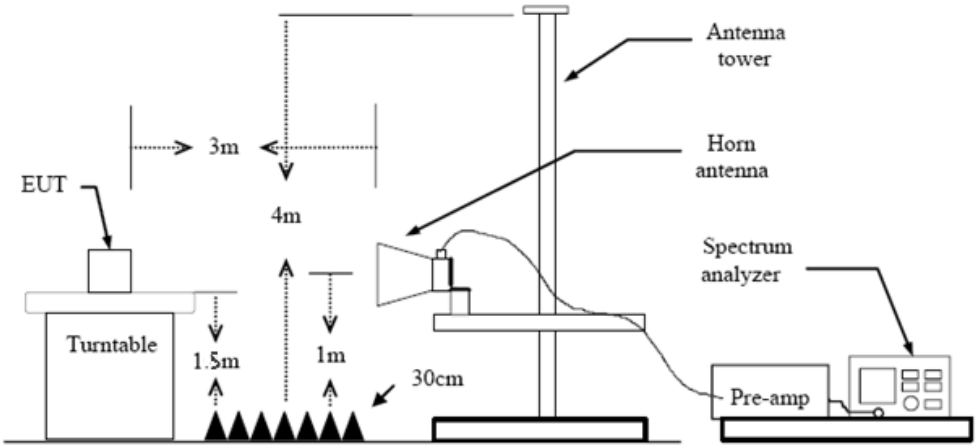
Test Configuration



Below 30MHz Test Setup



30-1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings

(1) Span shall wide enough to fully capture the emission being measured;
(2) 9k – 150kHz:
RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold
(3) 0.15M – 30MHz:
RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold
(4) 30M - 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
(5) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.
Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

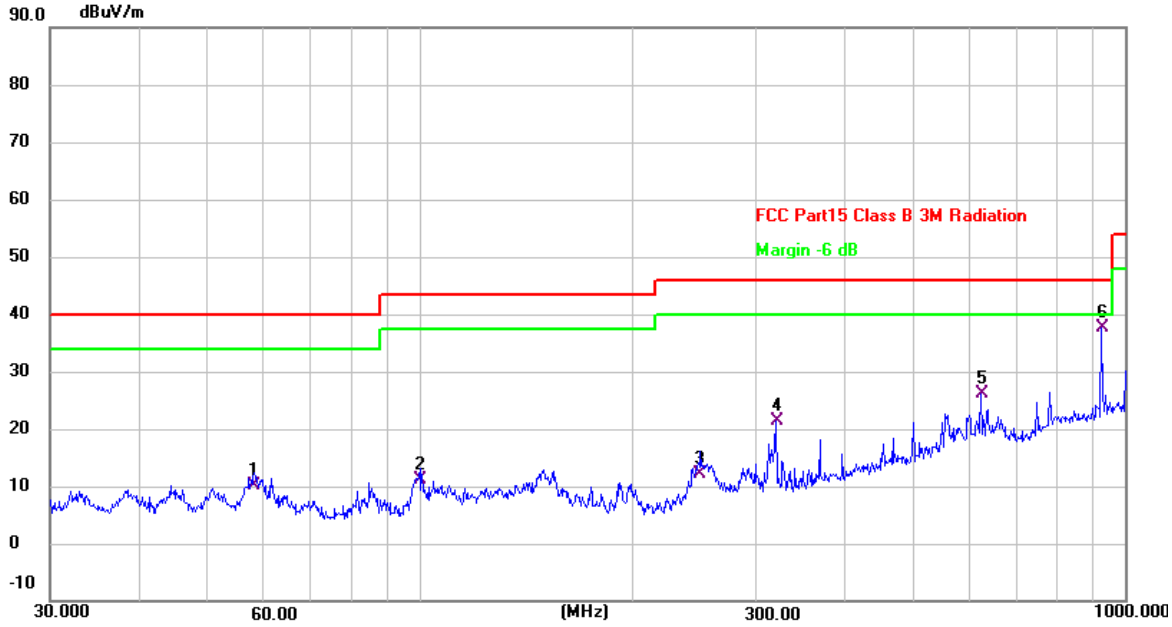
9 kHz~30 MHz

From 9 kHz to 30 MHz: The conclusion is PASS.

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

30MHz-1GHz

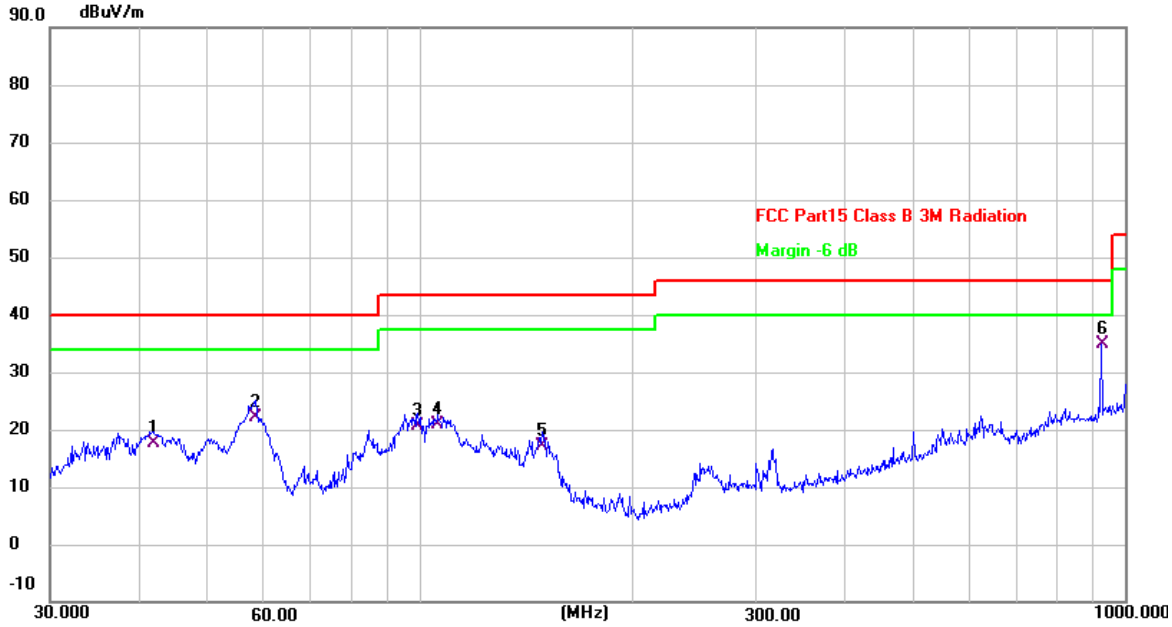
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	58.4074	29.32	-19.11	10.21	40.00	-29.79	QP
2	100.2286	32.84	-21.72	11.12	43.50	-32.38	QP
3	248.5519	31.12	-19.11	12.01	46.00	-33.99	QP
4	319.9370	37.97	-16.60	21.37	46.00	-24.63	QP
5	625.0780	34.96	-8.93	26.03	46.00	-19.97	QP
6 *	925.7563	41.85	-4.34	37.51	46.00	-8.49	QP

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.0066	35.91	-18.16	17.75	40.00	-22.25	QP
2	58.6126	41.27	-19.15	22.12	40.00	-17.88	QP
3	99.5281	42.05	-21.51	20.54	43.50	-22.96	QP
4	106.3850	41.91	-20.94	20.97	43.50	-22.53	QP
5	149.4857	34.67	-17.55	17.12	43.50	-26.38	QP
6 *	925.7563	39.18	-4.34	34.84	46.00	-11.16	QP

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Above 1GHz

Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4823.738	49.22	-3.45	45.77	74.00	-28.23	peak
2 *	4825.000	33.06	-3.45	29.61	54.00	-24.39	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4823.964	49.43	-3.45	45.98	74.00	-28.02	peak
2 *	4823.964	45.04	-3.45	41.59	54.00	-12.41	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.892	37.10	-3.39	33.71	54.00	-20.29	AVG
2	4874.206	47.71	-3.39	44.32	74.00	-29.68	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.864	44.42	-3.39	41.03	54.00	-12.97	AVG
2	4873.882	50.76	-3.39	47.37	74.00	-26.63	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4924.112	33.17	-3.28	29.89	54.00	-24.11	AVG
2	4924.506	46.59	-3.28	43.31	74.00	-30.69	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4923.964	44.78	-3.28	41.50	54.00	-12.50	AVG
2	4924.216	51.22	-3.28	47.94	74.00	-26.06	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4823.369	45.71	-3.45	42.26	74.00	-31.74	peak
2 *	4824.022	32.02	-3.45	28.57	54.00	-25.43	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4823.844	32.60	-3.45	29.15	54.00	-24.85	AVG
2	4824.368	46.54	-3.45	43.09	74.00	-30.91	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.121	31.62	-3.39	28.23	54.00	-25.77	AVG
2	4873.263	45.25	-3.39	41.86	74.00	-32.14	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.586	31.96	-3.39	28.57	54.00	-25.43	AVG
2	4874.887	45.87	-3.39	42.48	74.00	-31.52	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4924.542	45.70	-3.28	42.42	74.00	-31.58	peak
2 *	4924.579	31.96	-3.28	28.68	54.00	-25.32	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4923.243	32.06	-3.28	28.78	54.00	-25.22	AVG
2	4924.907	45.91	-3.28	42.63	74.00	-31.37	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4823.227	31.67	-3.45	28.22	54.00	-25.78	AVG
2	4823.748	45.27	-3.45	41.82	74.00	-32.18	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4824.156	46.26	-3.45	42.81	54.00	-11.19	AVG
2	4874.254	31.77	-3.39	28.38	74.00	-45.62	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.457	31.56	-3.39	28.17	54.00	-25.83	AVG
2	4874.096	45.62	-3.39	42.23	74.00	-31.77	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.121	31.64	-3.39	28.25	54.00	-25.75	AVG
2	4874.152	45.38	-3.39	41.99	74.00	-32.01	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4923.834	31.97	-3.28	28.69	54.00	-25.31	AVG
2	4924.244	46.08	-3.28	42.80	74.00	-31.20	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4923.347	46.10	-3.28	42.82	74.00	-31.18	peak
2 *	4924.993	32.03	-3.28	28.75	54.00	-25.25	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2422MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4843.233	45.60	-3.44	42.16	74.00	-31.84	peak
2 *	4843.383	31.52	-3.44	28.08	54.00	-25.92	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2422MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4843.912	31.91	-3.44	28.47	54.00	-25.53	AVG
2	4844.144	45.19	-3.44	41.75	74.00	-32.25	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.450	45.25	-3.39	41.86	74.00	-32.14	peak
2 *	4873.980	31.66	-3.39	28.27	54.00	-25.73	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.534	31.74	-3.39	28.35	54.00	-25.65	AVG
2	4874.613	45.35	-3.39	41.96	74.00	-32.04	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2452MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4904.713	31.52	-3.32	28.20	54.00	-25.80	AVG
2	4904.803	45.60	-3.32	42.28	74.00	-31.72	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2452MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4903.864	31.52	-3.32	28.20	54.00	-25.80	AVG
2	4903.896	45.80	-3.32	42.48	74.00	-31.52	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4823.065	31.61	-3.45	28.16	54.00	-25.84	AVG
2	4823.562	45.24	-3.45	41.79	74.00	-32.21	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4823.742	31.85	-3.45	28.40	54.00	-25.60	AVG
2	4823.964	45.80	-3.45	42.35	74.00	-31.65	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4874.781	31.57	-3.39	28.18	54.00	-25.82	AVG
2	4874.825	45.20	-3.39	41.81	74.00	-32.19	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.207	31.76	-3.39	28.37	54.00	-25.63	AVG
2	4873.838	45.59	-3.39	42.20	74.00	-31.80	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4923.301	31.91	-3.28	28.63	54.00	-25.37	AVG
2	4923.834	45.75	-3.28	42.47	74.00	-31.53	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4923.816	32.04	-3.28	28.76	54.00	-25.24	AVG
2	4924.577	45.33	-3.28	42.05	74.00	-31.95	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4843.596	44.92	-3.44	41.48	74.00	-32.52	peak
2 *	4843.672	31.39	-3.44	27.95	54.00	-26.05	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4843.379	45.38	-3.44	41.94	74.00	-32.06	peak
2 *	4843.556	32.44	-3.44	29.00	54.00	-25.00	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.484	44.60	-3.39	41.21	74.00	-32.79	peak
2 *	4874.781	31.62	-3.39	28.23	54.00	-25.77	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.632	45.38	-3.39	41.99	74.00	-32.01	peak
2 *	4874.202	31.66	-3.39	28.27	54.00	-25.73	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4903.221	45.24	-3.32	41.92	74.00	-32.08	peak
2 *	4904.995	31.54	-3.32	28.22	54.00	-25.78	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4903.431	44.98	-3.32	41.66	74.00	-32.34	peak
2 *	4904.458	32.19	-3.32	28.87	54.00	-25.13	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

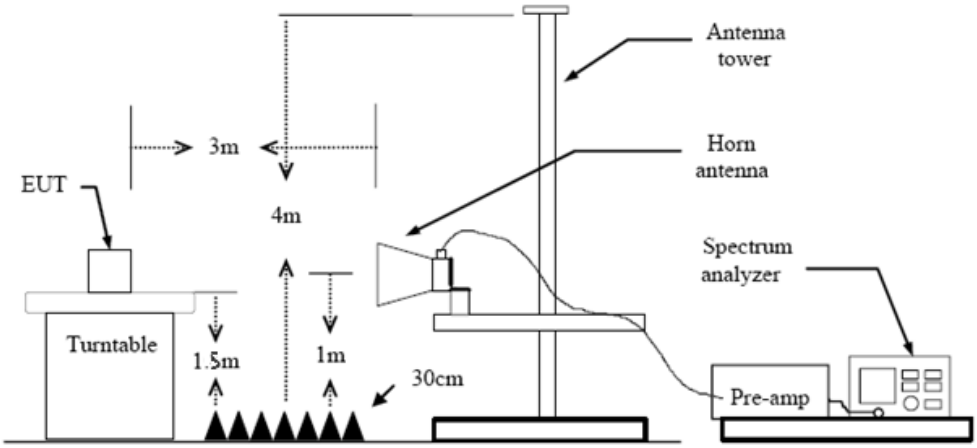
3.3. Band Edge Emissions (Radiated)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d)

Restricted Frequency Band (MHz)	(dBμV/m) (at 3m)	
	Peak	Average
2310 ~ 2390	74	54
2483.5 ~ 2500	74	54

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5. The receiver set as follow:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

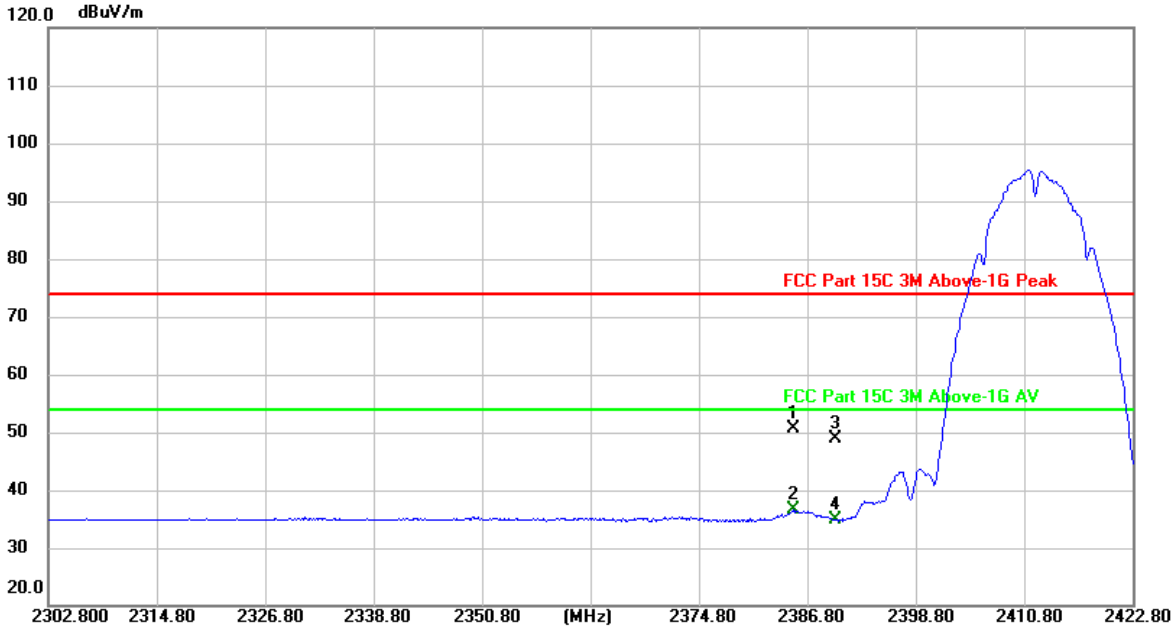
Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

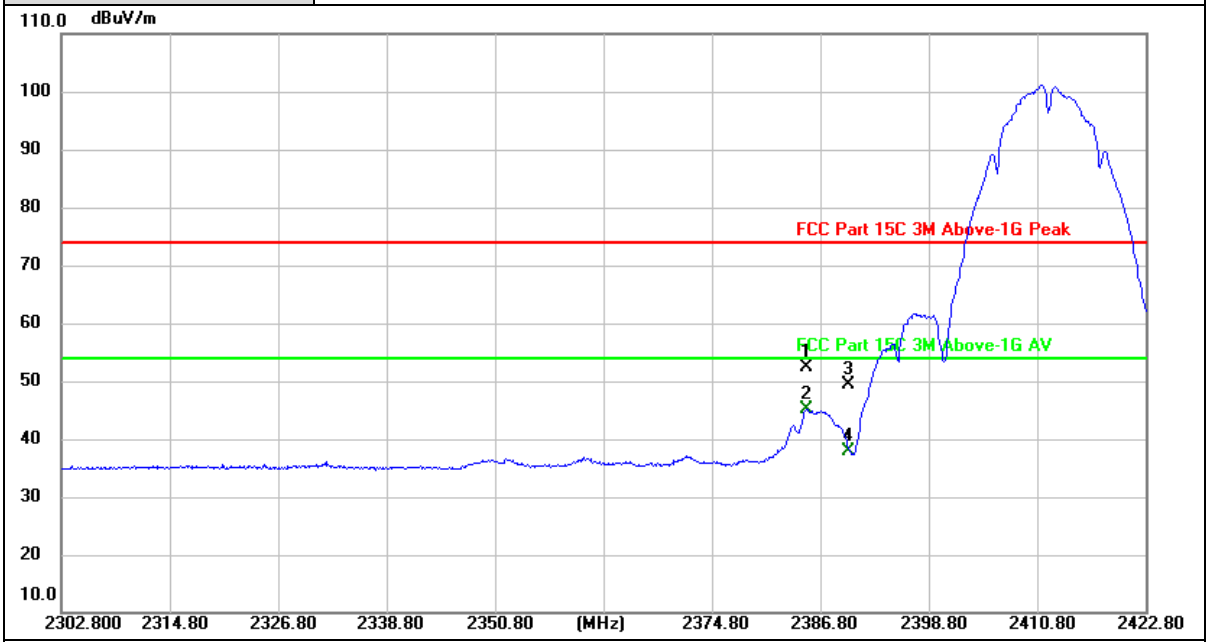
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2385.240	59.12	-8.46	50.66	74.00	-23.34	peak
2 *	2385.240	44.98	-8.46	36.52	54.00	-17.48	AVG
3	2390.000	57.39	-8.46	48.93	74.00	-25.07	peak
4	2390.000	43.44	-8.46	34.98	54.00	-19.02	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

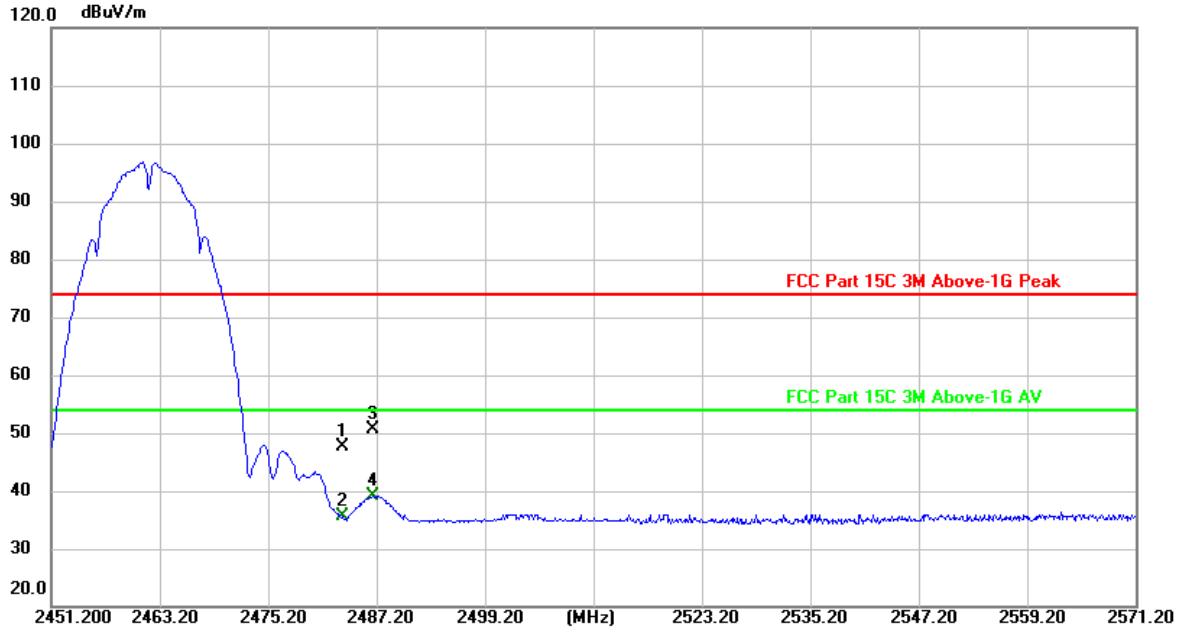
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2385.240	60.93	-8.46	52.47	74.00	-21.53	peak
2 *	2385.240	53.55	-8.46	45.09	54.00	-8.91	AVG
3	2390.000	57.84	-8.46	49.38	74.00	-24.62	peak
4	2390.000	46.45	-8.46	37.99	54.00	-16.01	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

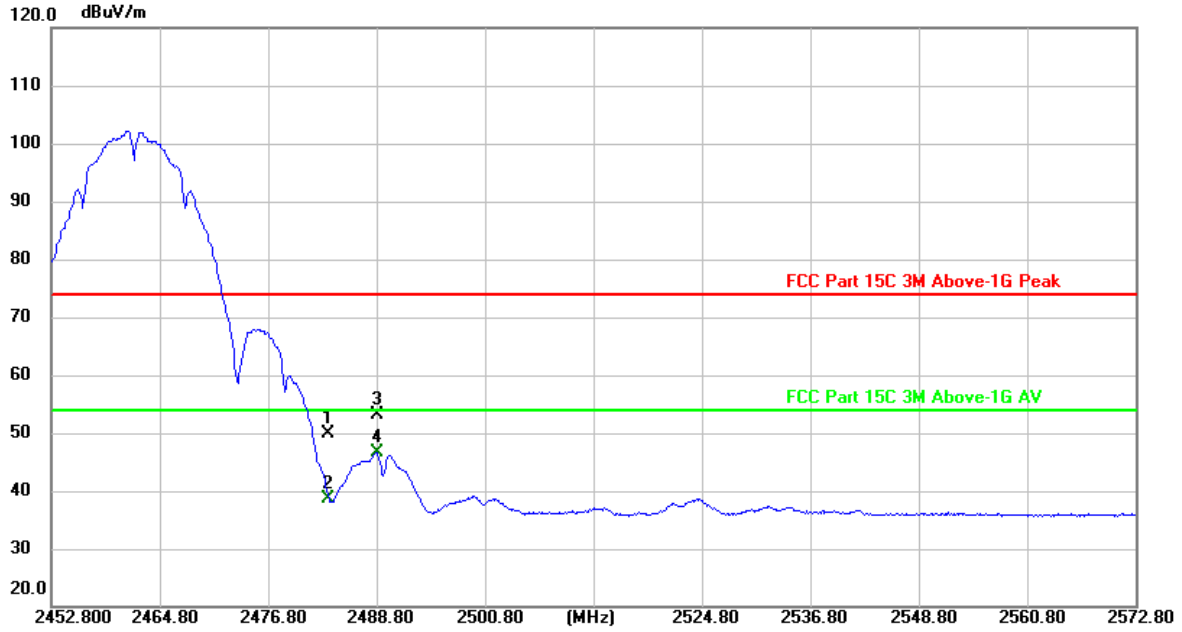
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	55.98	-8.23	47.75	74.00	-26.25	peak
2	2483.500	43.74	-8.23	35.51	54.00	-18.49	AVG
3	2486.720	58.75	-8.22	50.53	74.00	-23.47	peak
4 *	2486.720	47.31	-8.22	39.09	54.00	-14.91	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

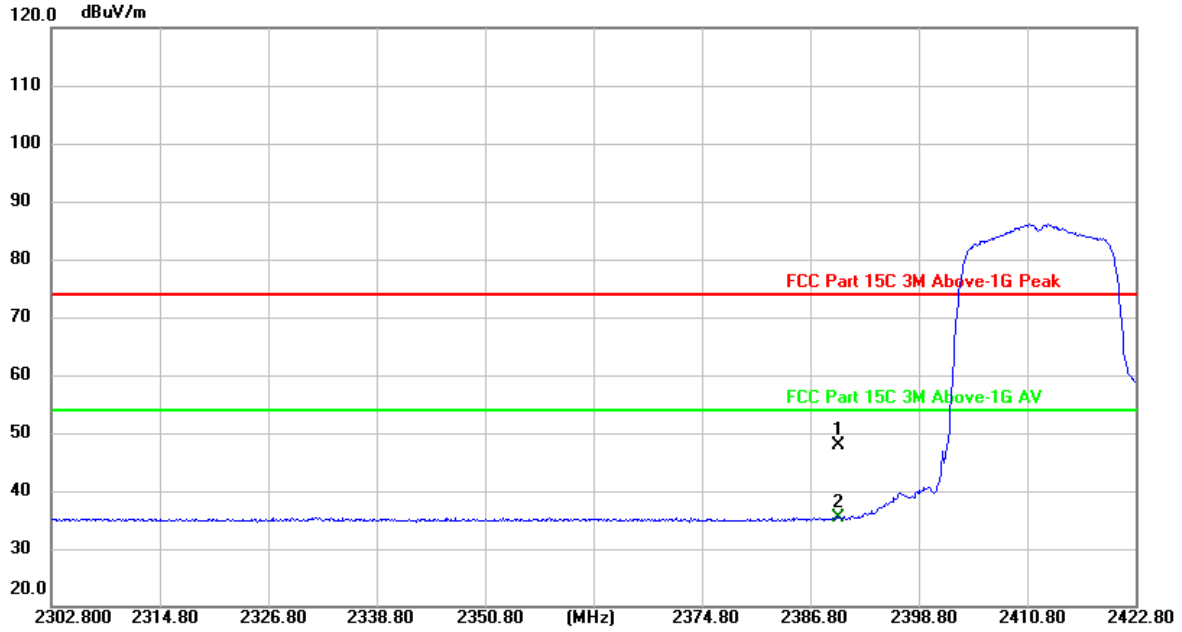
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	58.14	-8.23	49.91	74.00	-24.09	peak
2	2483.500	46.77	-8.23	38.54	54.00	-15.46	AVG
3	2488.800	61.39	-8.21	53.18	74.00	-20.82	peak
4 *	2488.800	54.89	-8.21	46.68	54.00	-7.32	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

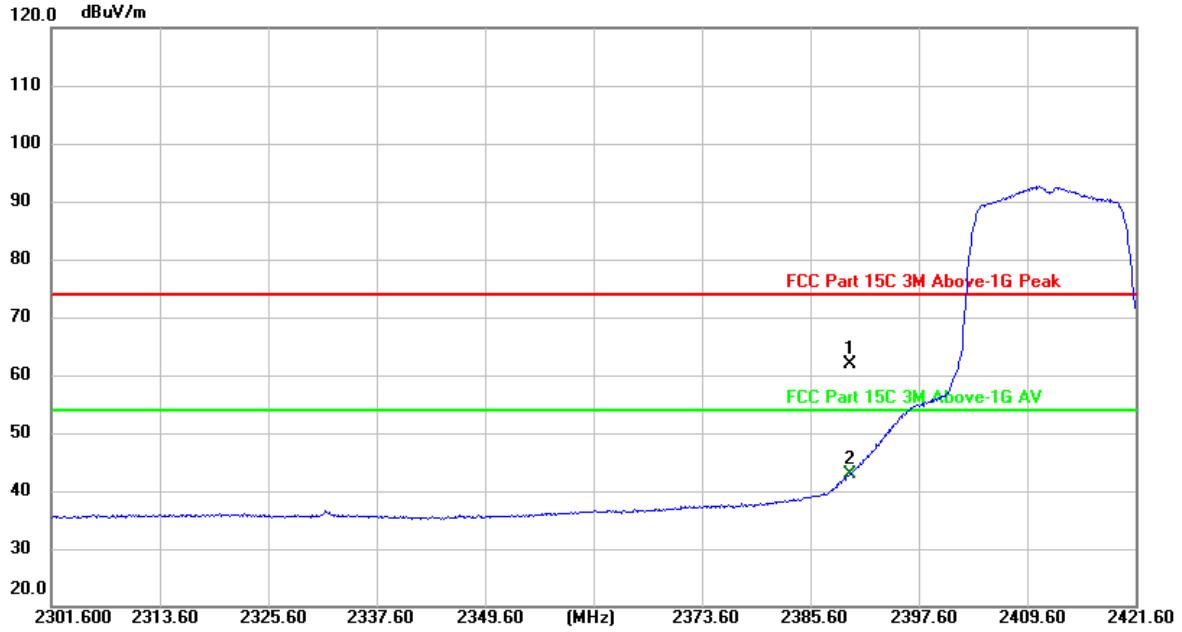
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	56.46	-8.46	48.00	74.00	-26.00	peak
2 *	2390.000	43.80	-8.46	35.34	54.00	-18.66	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

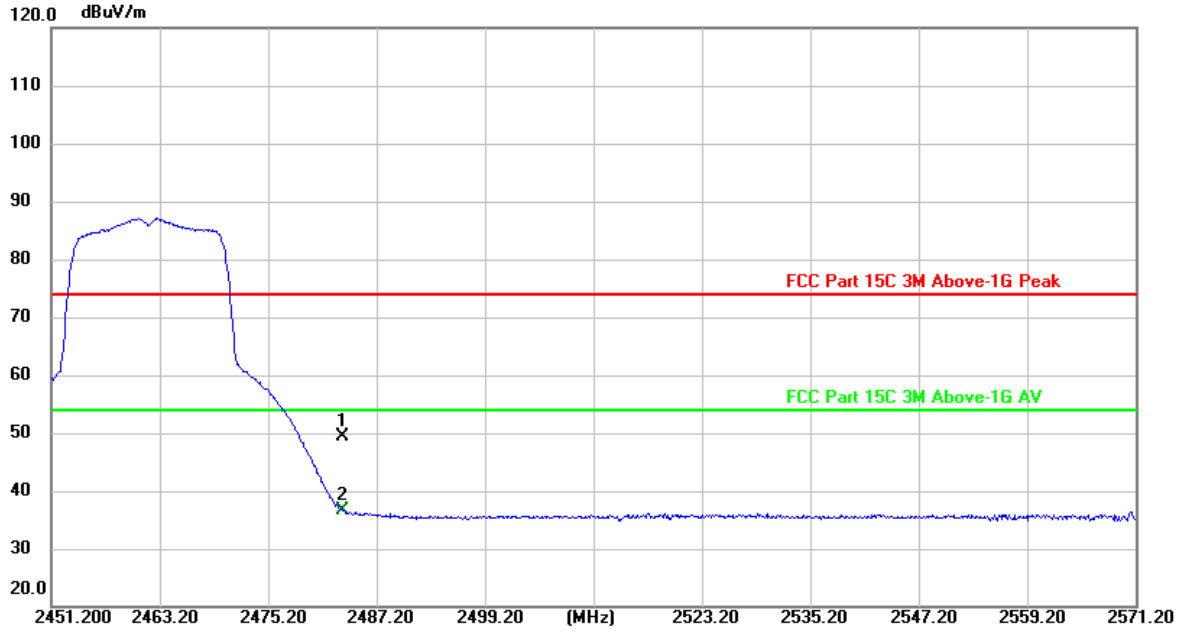
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	70.23	-8.46	61.77	74.00	-12.23	peak
2 *	2390.000	51.42	-8.46	42.96	54.00	-11.04	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

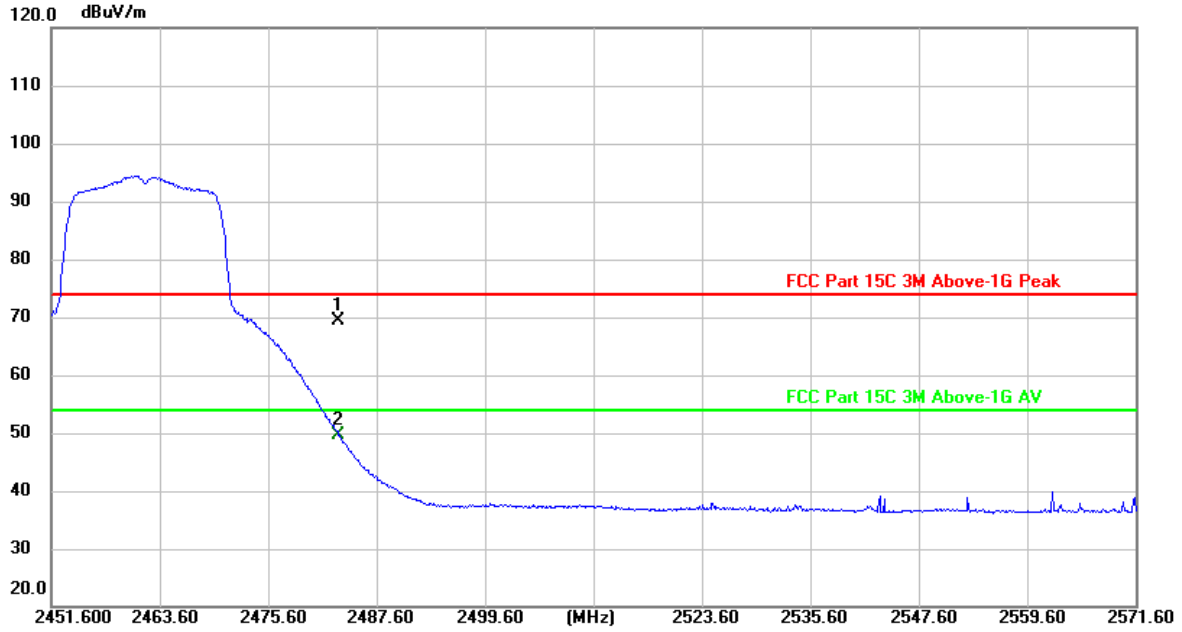
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	57.73	-8.23	49.50	74.00	-24.50	peak
2 *	2483.500	44.88	-8.23	36.65	54.00	-17.35	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

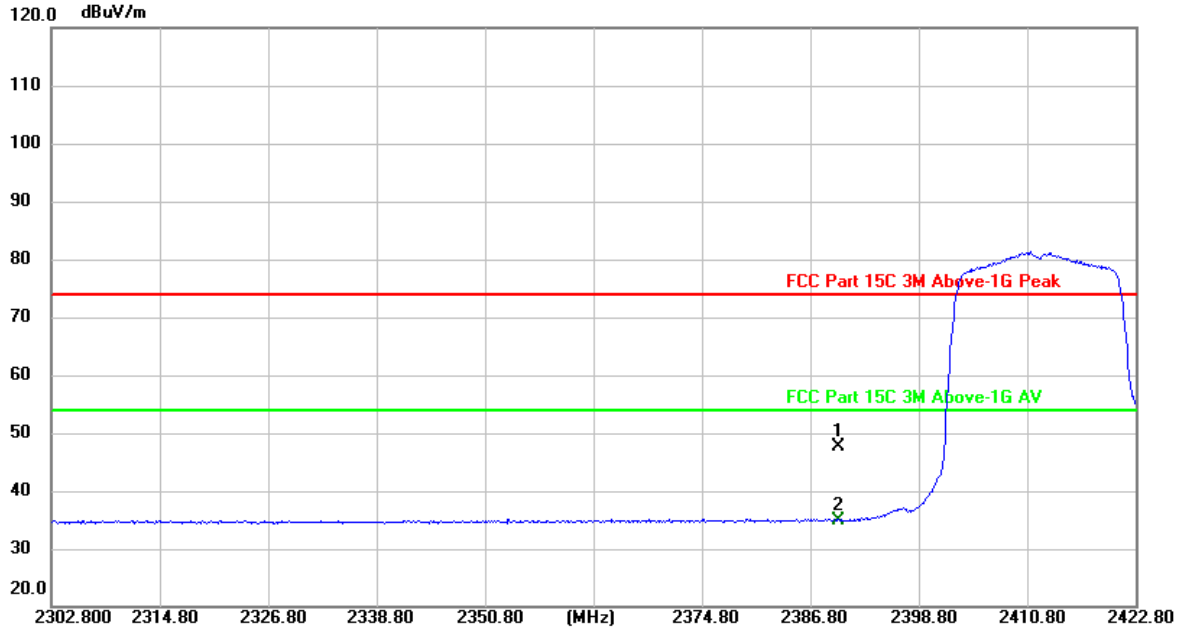
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	77.71	-8.23	69.48	74.00	-4.52	peak
2 *	2483.500	57.96	-8.23	49.73	54.00	-4.27	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

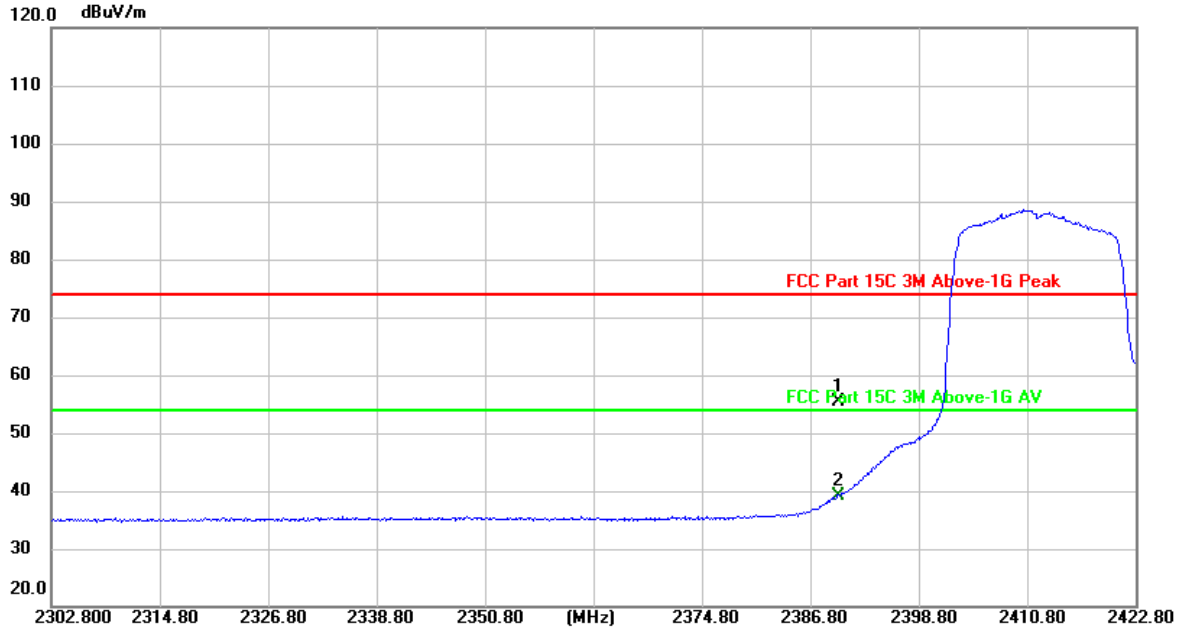
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	56.00	-8.46	47.54	74.00	-26.46	peak
2 *	2390.000	43.34	-8.46	34.88	54.00	-19.12	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

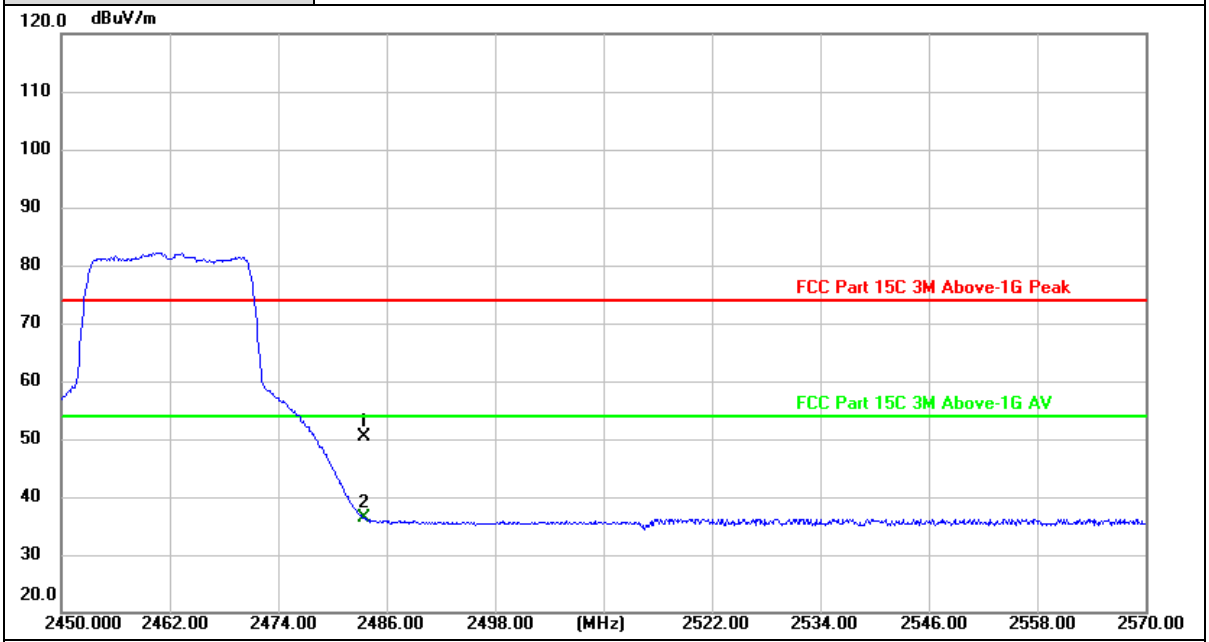
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	63.93	-8.46	55.47	74.00	-18.53	peak
2 *	2390.000	47.59	-8.46	39.13	54.00	-14.87	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

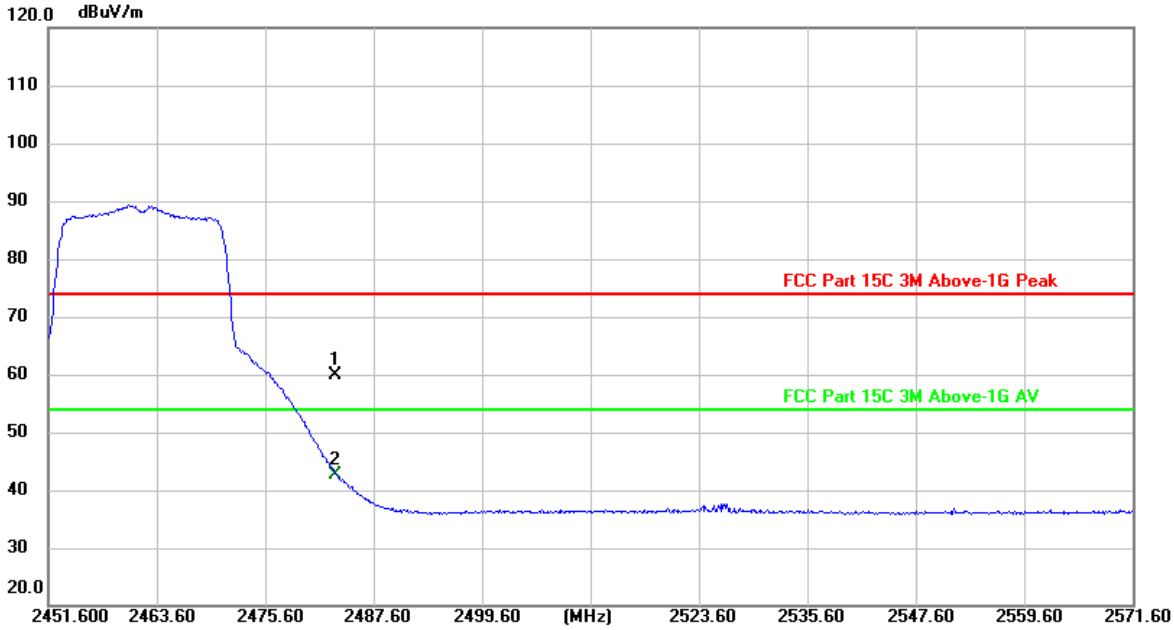
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	58.63	-8.23	50.40	74.00	-23.60	peak
2 *	2483.500	44.50	-8.23	36.27	54.00	-17.73	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

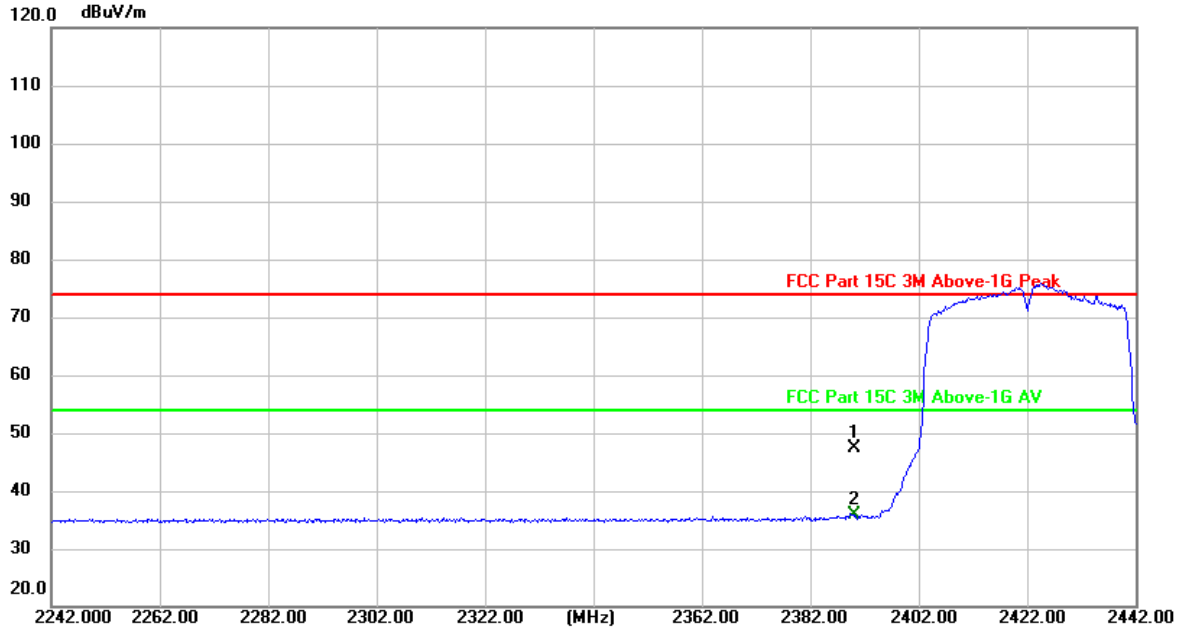
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	68.20	-8.23	59.97	74.00	-14.03	peak
2 *	2483.500	50.91	-8.23	42.68	54.00	-11.32	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

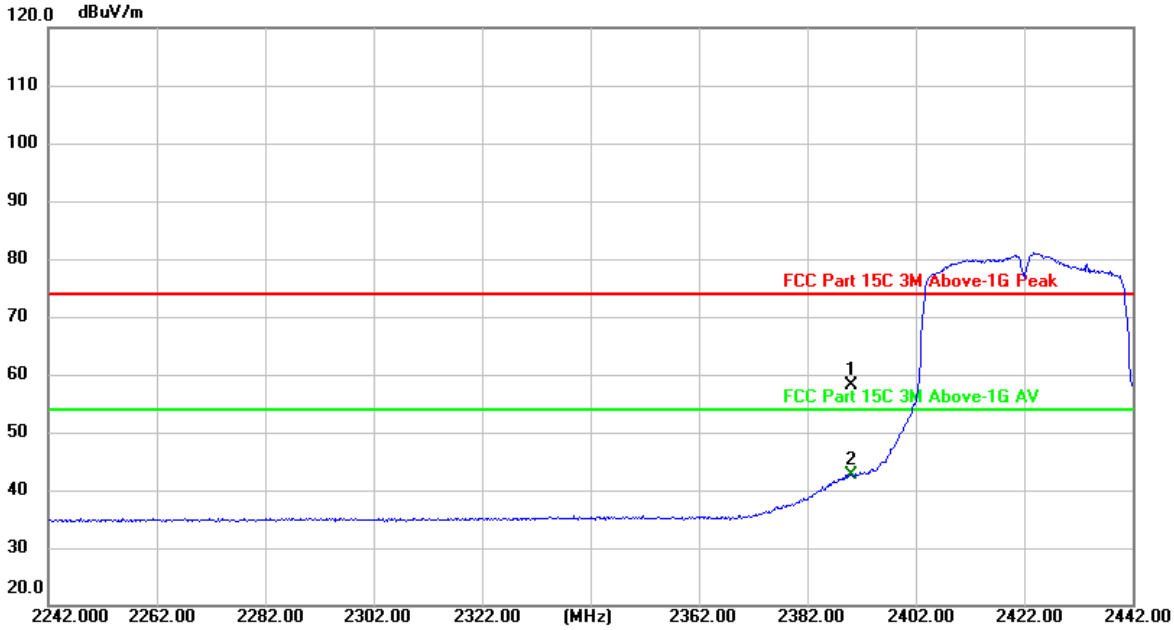
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2422MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	55.81	-8.46	47.35	74.00	-26.65	peak
2 *	2390.000	44.27	-8.46	35.81	54.00	-18.19	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

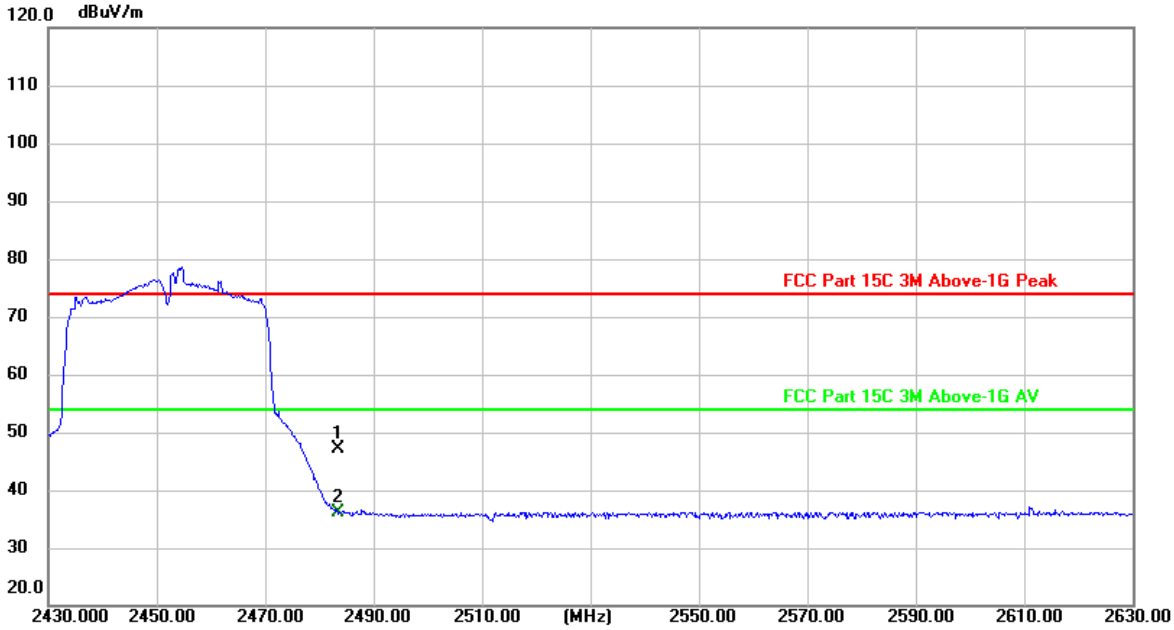
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2422MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	66.52	-8.46	58.06	74.00	-15.94	peak
2 *	2390.000	51.13	-8.46	42.67	54.00	-11.33	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

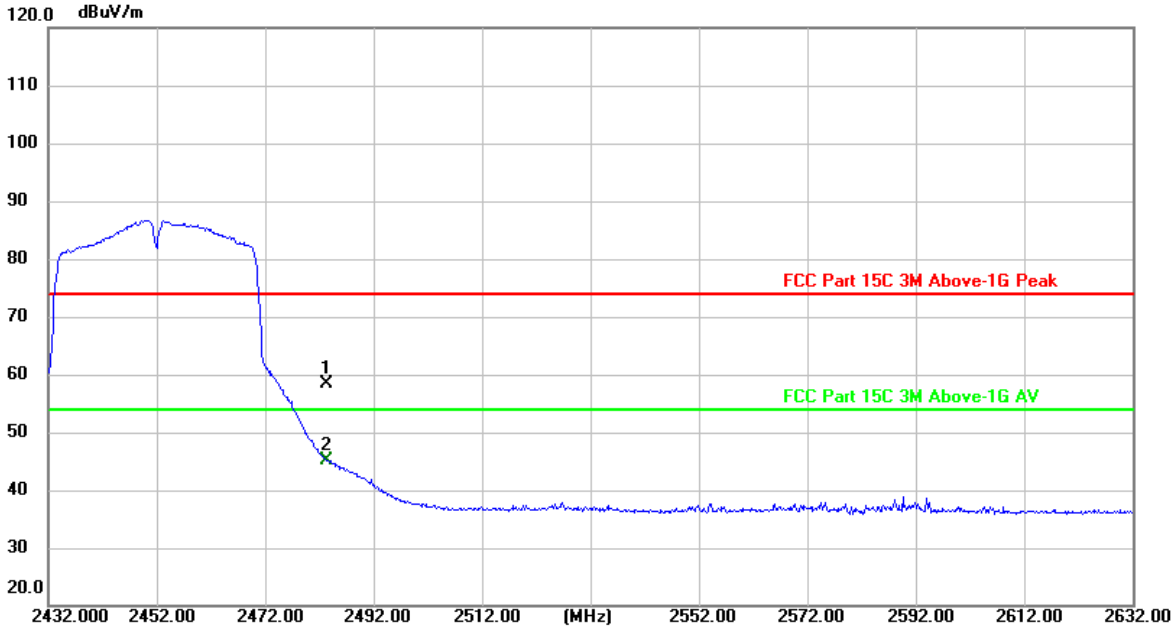
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	55.42	-8.23	47.19	74.00	-26.81	peak
2 *	2483.500	44.39	-8.23	36.16	54.00	-17.84	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

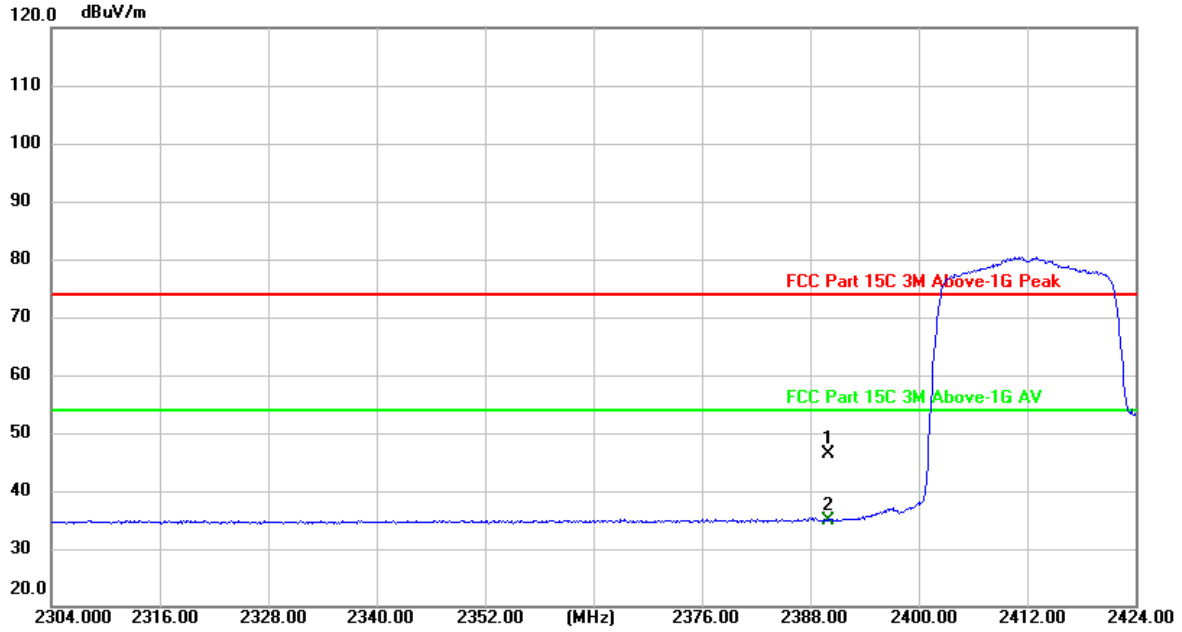
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	66.61	-8.23	58.38	74.00	-15.62	peak
2 *	2483.500	53.37	-8.23	45.14	54.00	-8.86	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

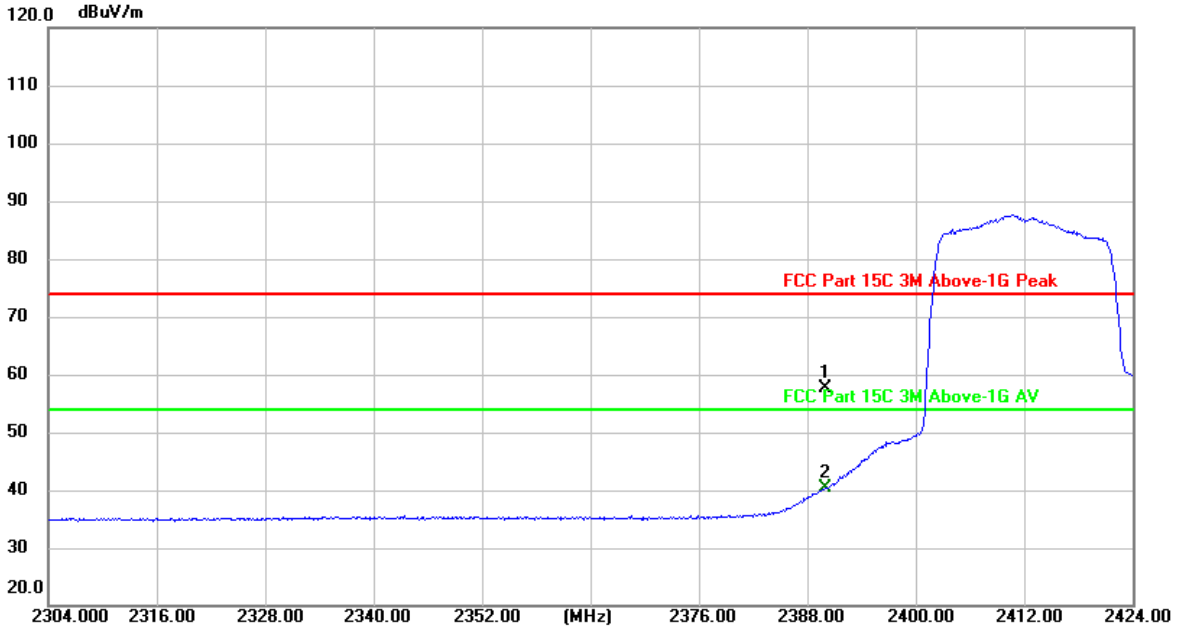
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	54.93	-8.46	46.47	74.00	-27.53	peak
2 *	2390.000	43.44	-8.46	34.98	54.00	-19.02	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

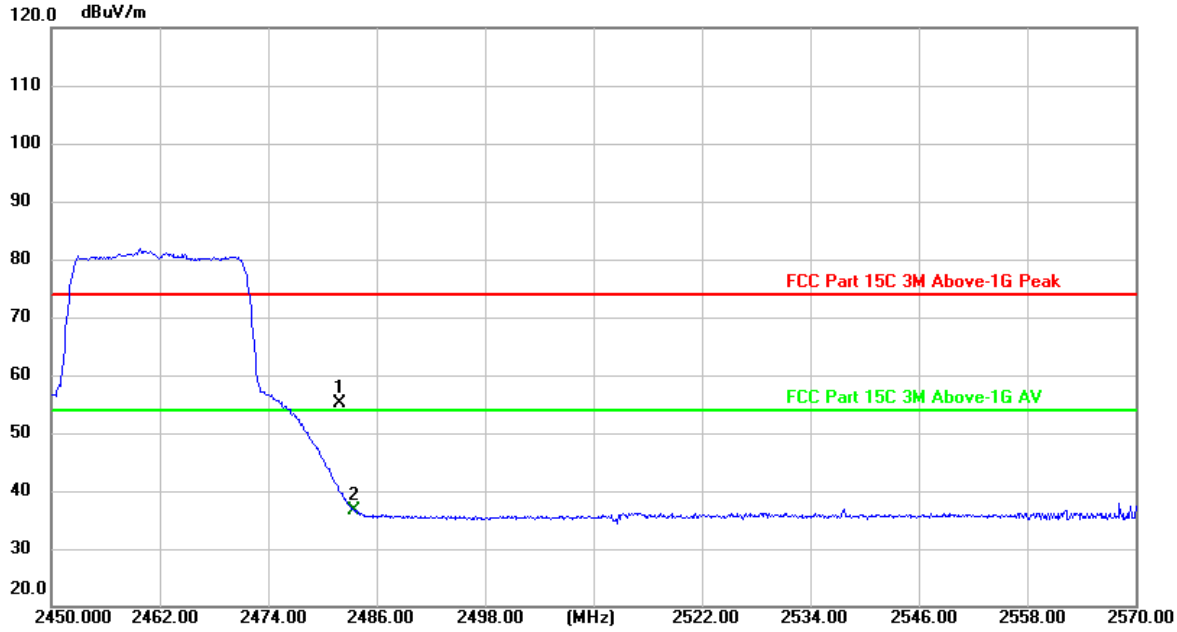
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	66.01	-8.46	57.55	74.00	-16.45	peak
2 *	2390.000	48.73	-8.46	40.27	54.00	-13.73	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

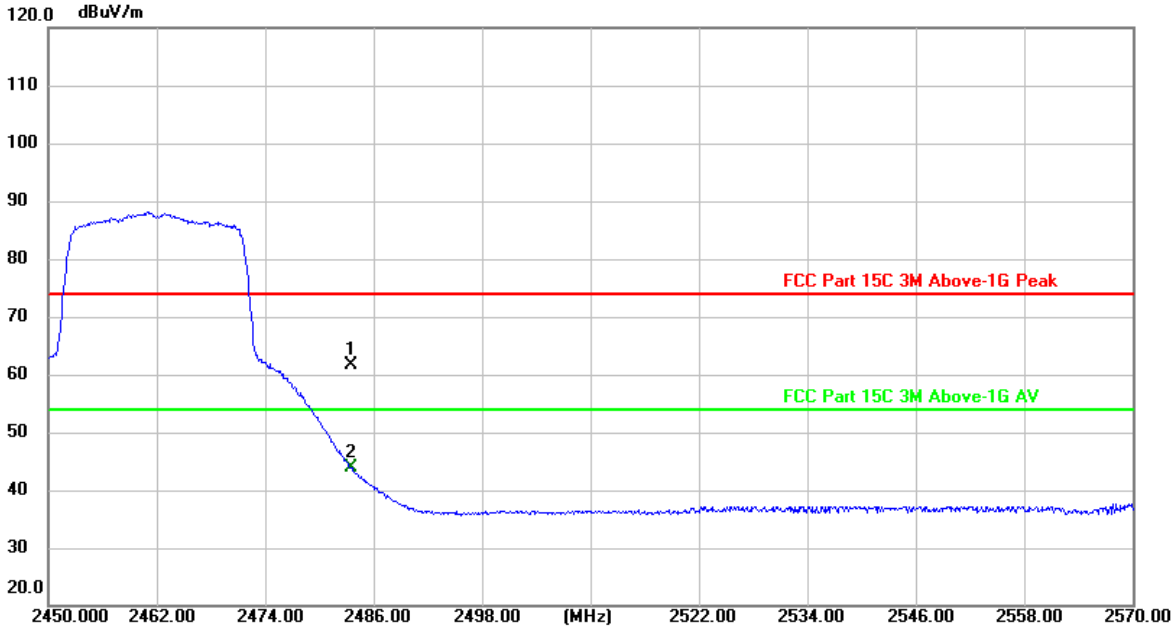
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2482.000	63.49	-8.24	55.25	74.00	-18.75	peak
2 *	2483.500	44.81	-8.23	36.58	54.00	-17.42	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

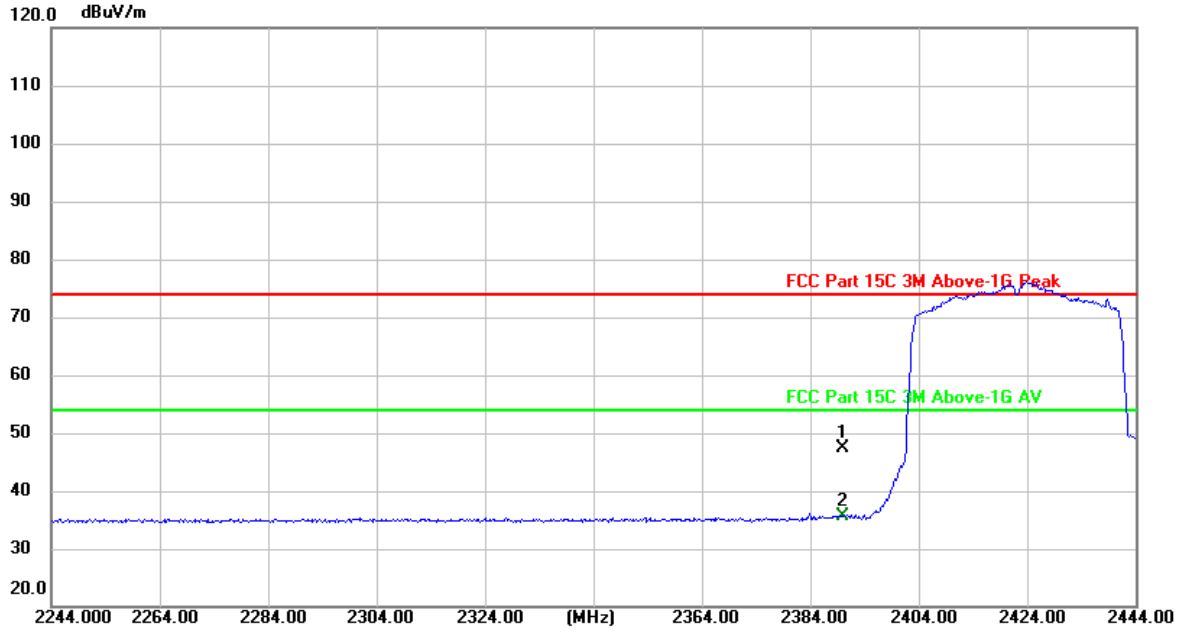
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	69.90	-8.23	61.67	74.00	-12.33	peak
2 *	2483.500	52.00	-8.23	43.77	54.00	-10.23	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

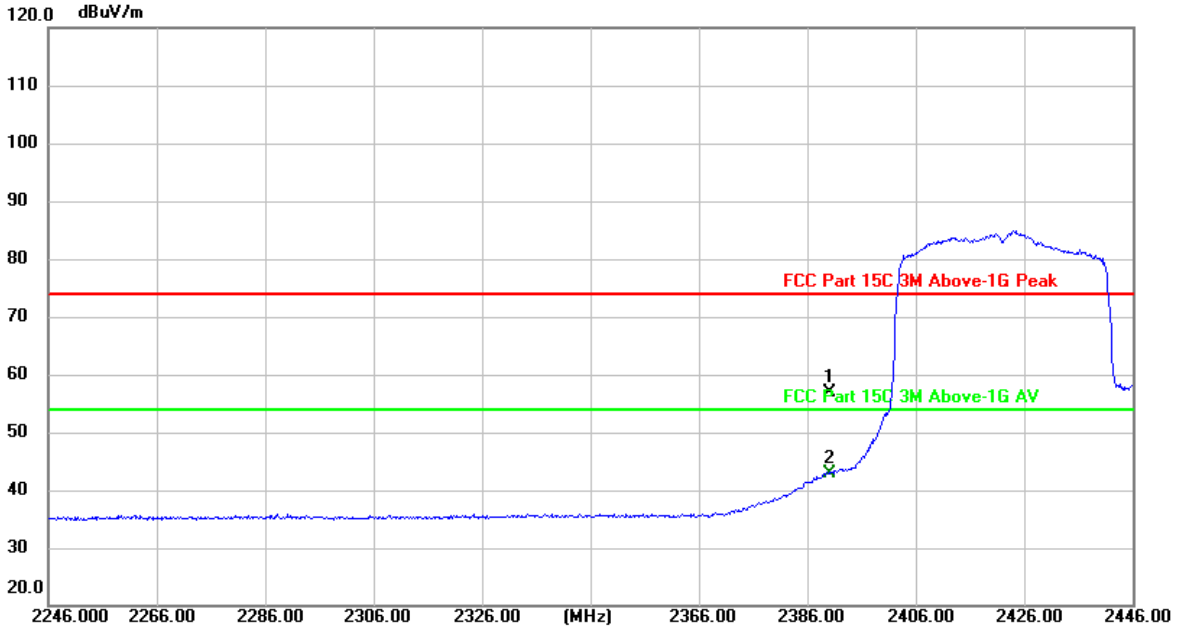
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	55.91	-8.46	47.45	74.00	-26.55	peak
2 *	2390.000	44.04	-8.46	35.58	54.00	-18.42	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

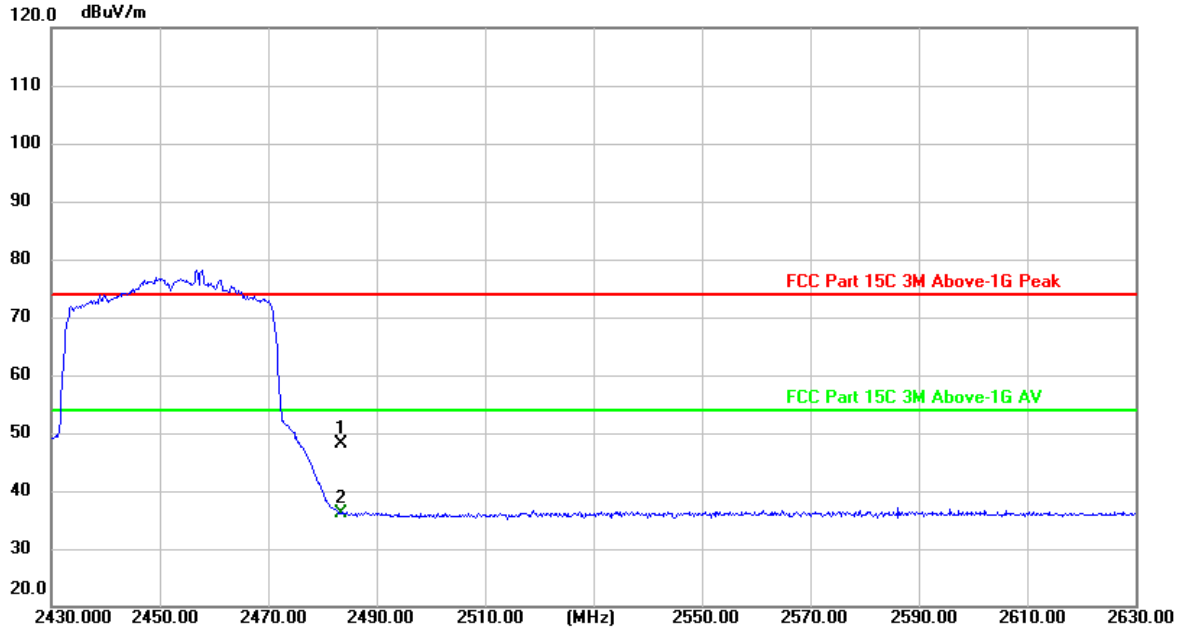
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	65.24	-8.46	56.78	74.00	-17.22	peak
2 *	2390.000	51.39	-8.46	42.93	54.00	-11.07	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

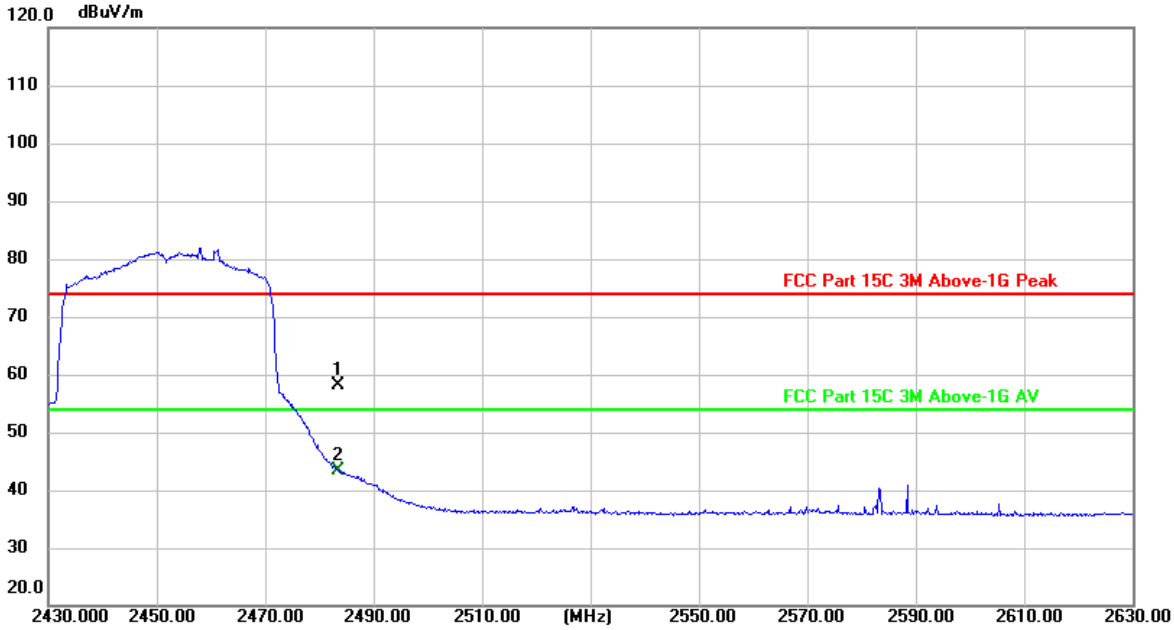
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	56.28	-8.23	48.05	74.00	-25.95	peak
2 *	2483.500	44.40	-8.23	36.17	54.00	-17.83	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	66.43	-8.23	58.20	74.00	-15.80	peak
2 *	2483.500	51.65	-8.23	43.42	54.00	-10.58	AVG

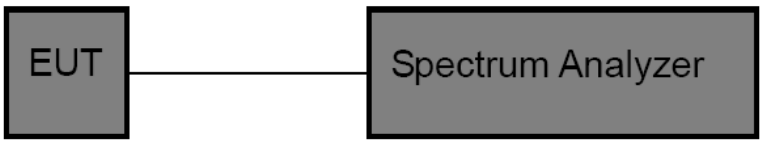
Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

3.4. Band Edge and Spurious Emissions (Conducted)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d)
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Test Configuration



Test Procedure

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
   RBW = 100 kHz, VBW ≥ RBW, scan up through 10th harmonic.
   Sweep = auto, Detector function = peak, Trace = max hold.
4. Measure and record the results in the test report.

Test Mode

Please refer to the clause 2.4.

Test Result

(1) Band Edge Conducted Test

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.72	-41.46	≤-13.28	PASS
	Ant2	Low	2412	7.29	-40.48	≤-12.71	PASS
	Ant1	High	2462	6.84	-41.11	≤-13.16	PASS
	Ant2	High	2462	6.77	-41.27	≤-13.23	PASS
11G	Ant1	Low	2412	-0.26	-41.32	≤-20.26	PASS
	Ant2	Low	2412	0.42	-40.68	≤-19.59	PASS
	Ant1	High	2462	-0.59	-42.42	≤-20.59	PASS
	Ant2	High	2462	-0.60	-42.28	≤-20.6	PASS
11N20MIMO	Ant1	Low	2412	-2.52	-42.91	≤-22.52	PASS
	Ant2	Low	2412	-3.58	-42.1	≤-23.58	PASS
	Ant1	High	2462	-3.02	-42.48	≤-23.02	PASS
	Ant2	High	2462	-3.63	-41.09	≤-23.63	PASS
11N40MIMO	Ant1	Low	2422	-5.65	-40.46	≤-25.65	PASS
	Ant2	Low	2422	-5.84	-39.38	≤-25.84	PASS
	Ant1	High	2452	-5.53	-41.97	≤-25.53	PASS
	Ant2	High	2452	-5.21	-42.09	≤-25.21	PASS
11AX20MIMO	Ant1	Low	2412	-2.68	-42.35	≤-22.68	PASS
	Ant2	Low	2412	-3.75	-42.48	≤-23.75	PASS
	Ant1	High	2462	-3.31	-42.45	≤-23.31	PASS
	Ant2	High	2462	-3.97	-41.98	≤-23.97	PASS
11AX40MIMO	Ant1	Low	2422	-5.93	-40.6	≤-25.93	PASS
	Ant2	Low	2422	-6.24	-39.92	≤-26.24	PASS
	Ant1	High	2452	-5.99	-42.39	≤-25.99	PASS
	Ant2	High	2452	-5.59	-41.41	≤-25.59	PASS

(2) Conducted Spurious Emissions Test

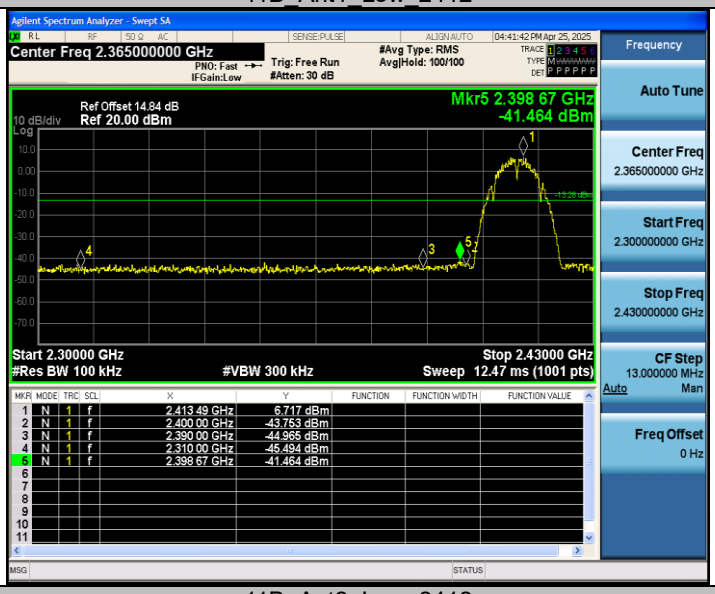
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.43	4.43	---	PASS
			30~1000	4.43	-47.43	≤-15.57	PASS
			1000~26500	4.43	-39.76	≤-15.57	PASS
	Ant2	2412	Reference	4.72	4.72	---	PASS
			30~1000	4.72	-48.51	≤-15.28	PASS
			1000~26500	4.72	-39.15	≤-15.28	PASS
	Ant1	2437	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-48.64	≤-16.25	PASS
			1000~26500	3.75	-39.63	≤-16.25	PASS
	Ant2	2437	Reference	4.72	4.72	---	PASS
			30~1000	4.72	-48.59	≤-15.28	PASS
			1000~26500	4.72	-38.91	≤-15.28	PASS
	Ant1	2462	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-48.64	≤-15.74	PASS
			1000~26500	4.26	-39.49	≤-15.74	PASS
	Ant2	2462	Reference	4.40	4.40	---	PASS
			30~1000	4.40	-48.47	≤-15.6	PASS
			1000~26500	4.40	-38.1	≤-15.6	PASS
11G	Ant1	2412	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-48.22	≤-24.34	PASS
			1000~26500	-4.34	-39.36	≤-24.34	PASS
	Ant2	2412	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-48.52	≤-22.41	PASS
			1000~26500	-2.41	-38.48	≤-22.41	PASS
	Ant1	2437	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-48.08	≤-24.39	PASS
			1000~26500	-4.39	-38.62	≤-24.39	PASS
	Ant2	2437	Reference	-1.10	-1.10	---	PASS
			30~1000	-1.10	-48.29	≤-21.1	PASS
			1000~26500	-1.10	-37.88	≤-21.1	PASS

	Ant1	2462	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-48.35	≤-21.83	PASS
			1000~26500	-1.83	-39.42	≤-21.83	PASS
	Ant2	2462	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-48.15	≤-23.19	PASS
			1000~26500	-3.19	-39.04	≤-23.19	PASS
11N20MIMO	Ant1	2412	Reference	-3.75	-3.75	---	PASS
			30~1000	-3.75	-47.94	≤-23.75	PASS
			1000~26500	-3.75	-39.03	≤-23.75	PASS
	Ant2	2412	Reference	-4.99	-4.99	---	PASS
			30~1000	-4.99	-48.23	≤-24.99	PASS
			1000~26500	-4.99	-38.66	≤-24.99	PASS
	Ant1	2437	Reference	-7.71	-7.71	---	PASS
			30~1000	-7.71	-48.6	≤-27.71	PASS
			1000~26500	-7.71	-39.08	≤-27.71	PASS
	Ant2	2437	Reference	-4.06	-4.06	---	PASS
			30~1000	-4.06	-48.36	≤-24.06	PASS
			1000~26500	-4.06	-39.28	≤-24.06	PASS
	Ant1	2462	Reference	-8.01	-8.01	---	PASS
			30~1000	-8.01	-48.46	≤-28.01	PASS
			1000~26500	-8.01	-39.61	≤-28.01	PASS
	Ant2	2462	Reference	-6.23	-6.23	---	PASS
			30~1000	-6.23	-48.36	≤-26.23	PASS
			1000~26500	-6.23	-39.72	≤-26.23	PASS
11N40MIMO	Ant1	2422	Reference	-7.93	-7.93	---	PASS
			30~1000	-7.93	-47.97	≤-27.93	PASS
			1000~26500	-7.93	-39.63	≤-27.93	PASS
	Ant2	2422	Reference	-7.31	-7.31	---	PASS
			30~1000	-7.31	-47.94	≤-27.31	PASS
			1000~26500	-7.31	-38.91	≤-27.31	PASS
	Ant1	2437	Reference	-8.67	-8.67	---	PASS
			30~1000	-8.67	-48.13	≤-28.67	PASS
			1000~26500	-8.67	-39.06	≤-28.67	PASS
	Ant2	2437	Reference	-6.76	-6.76	---	PASS
			30~1000	-6.76	-47.5	≤-26.76	PASS
			1000~26500	-6.76	-38.08	≤-26.76	PASS
	Ant1	2452	Reference	-8.20	-8.20	---	PASS
			30~1000	-8.20	-48.38	≤-28.2	PASS
			1000~26500	-8.20	-38.7	≤-28.2	PASS
	Ant2	2452	Reference	-7.25	-7.25	---	PASS
			30~1000	-7.25	-48.17	≤-27.25	PASS
			1000~26500	-7.25	-39.53	≤-27.25	PASS
11AX20MIMO	Ant1	2412	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-47.99	≤-24.51	PASS
			1000~26500	-4.51	-38.74	≤-24.51	PASS
	Ant2	2412	Reference	-5.09	-5.09	---	PASS
			30~1000	-5.09	-47.93	≤-25.09	PASS
			1000~26500	-5.09	-38.97	≤-25.09	PASS
	Ant1	2437	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-48.62	≤-23.89	PASS
			1000~26500	-3.89	-39.5	≤-23.89	PASS
	Ant2	2437	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-48.2	≤-24.12	PASS
			1000~26500	-4.12	-38.22	≤-24.12	PASS
	Ant1	2462	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-48.38	≤-24.36	PASS
			1000~26500	-4.36	-39.66	≤-24.36	PASS
	Ant2	2462	Reference	-5.85	-5.85	---	PASS
			30~1000	-5.85	-48.48	≤-25.85	PASS
			1000~26500	-5.85	-39.53	≤-25.85	PASS
11AX40MIMO	Ant1	2422	Reference	-7.19	-7.19	---	PASS
			30~1000	-7.19	-48.14	≤-27.19	PASS
			1000~26500	-7.19	-39.26	≤-27.19	PASS
	Ant2	2422	Reference	-8.09	-8.09	---	PASS
			30~1000	-8.09	-48.26	≤-28.09	PASS

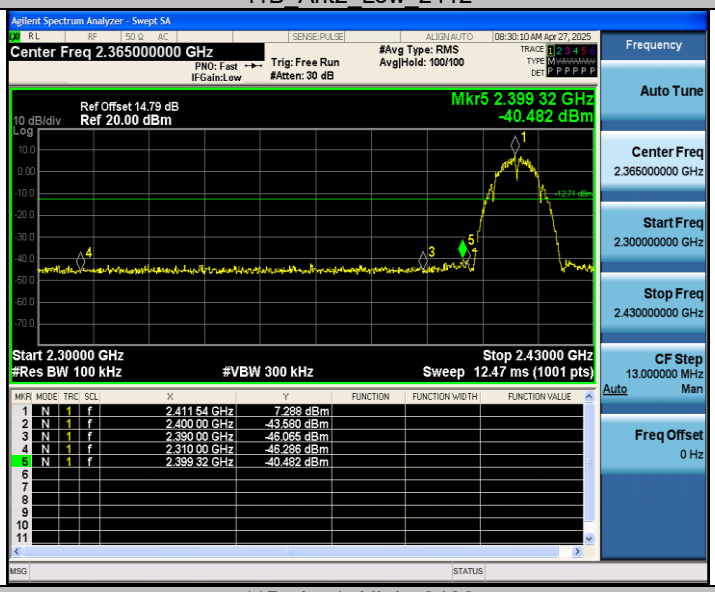
			1000~26500	-8.09	-39.17	≤-28.09	PASS
	Ant1	2437	Reference	-7.64	-7.64	---	PASS
			30~1000	-7.64	-48.56	≤-27.64	PASS
			1000~26500	-7.64	-38.01	≤-27.64	PASS
	Ant2	2437	Reference	-7.12	-7.12	---	PASS
			30~1000	-7.12	-48.36	≤-27.12	PASS
			1000~26500	-7.12	-38.99	≤-27.12	PASS
	Ant1	2452	Reference	-7.71	-7.71	---	PASS
			30~1000	-7.71	-47.96	≤-27.71	PASS
			1000~26500	-7.71	-39.09	≤-27.71	PASS
	Ant2	2452	Reference	-7.68	-7.68	---	PASS
			30~1000	-7.68	-48.95	≤-27.68	PASS
			1000~26500	-7.68	-39.45	≤-27.68	PASS

Band Edge Conducted Test plot as follows:

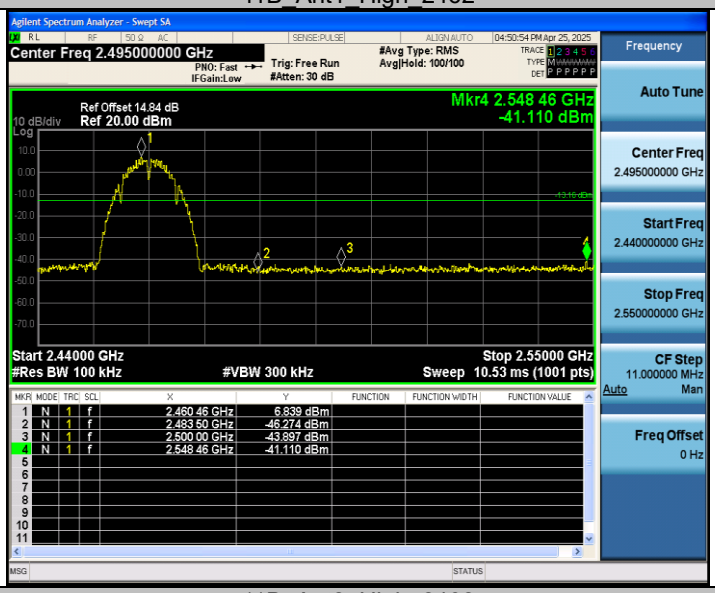
11B_Ant1_Low_2412



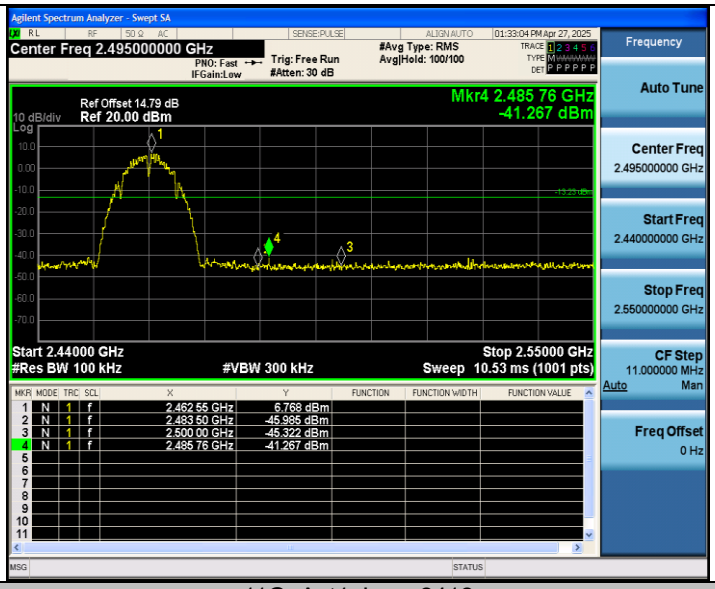
11B_Ant2_Low_2412



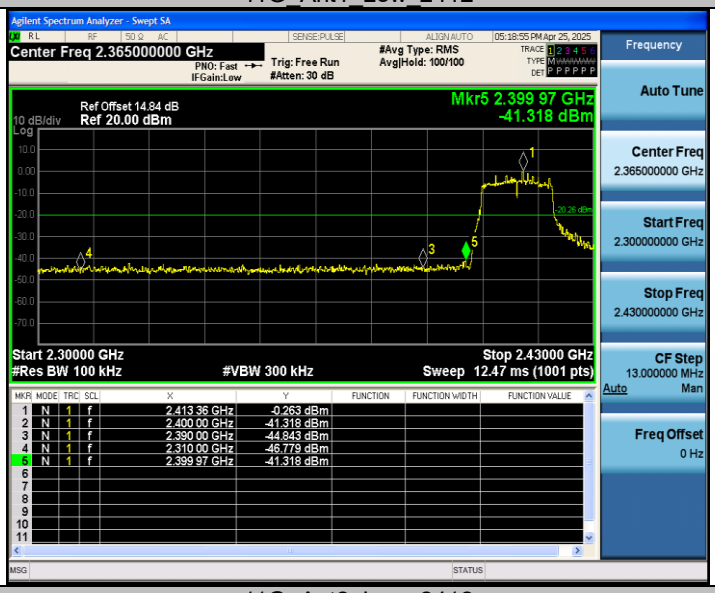
11B_Ant1_High_2462



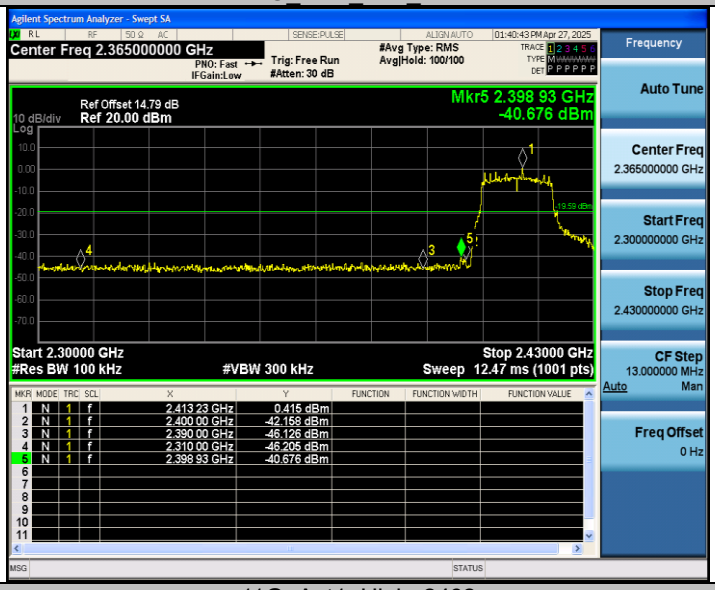
11B_Ant2_High_2462



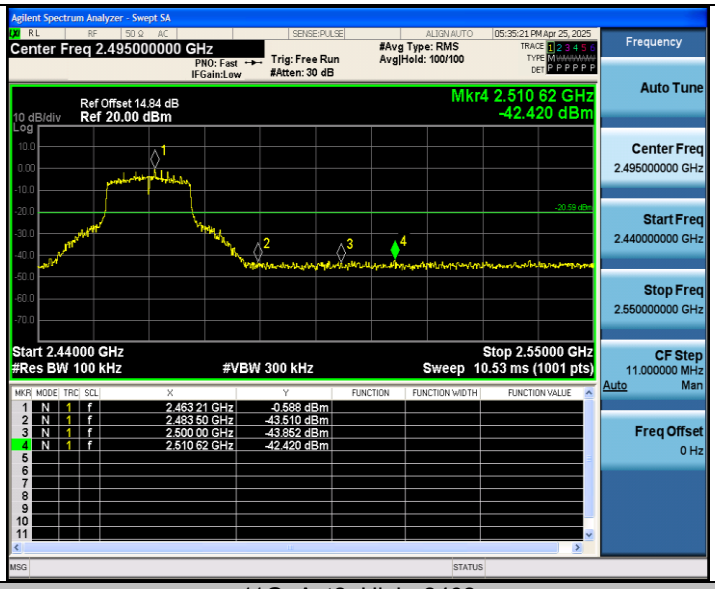
11G_Ant1_Low_2412



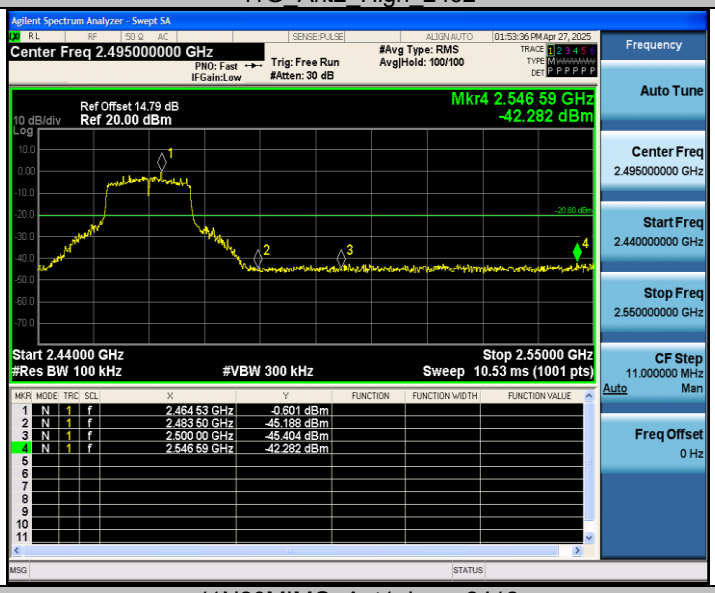
11G_Ant2_Low_2412



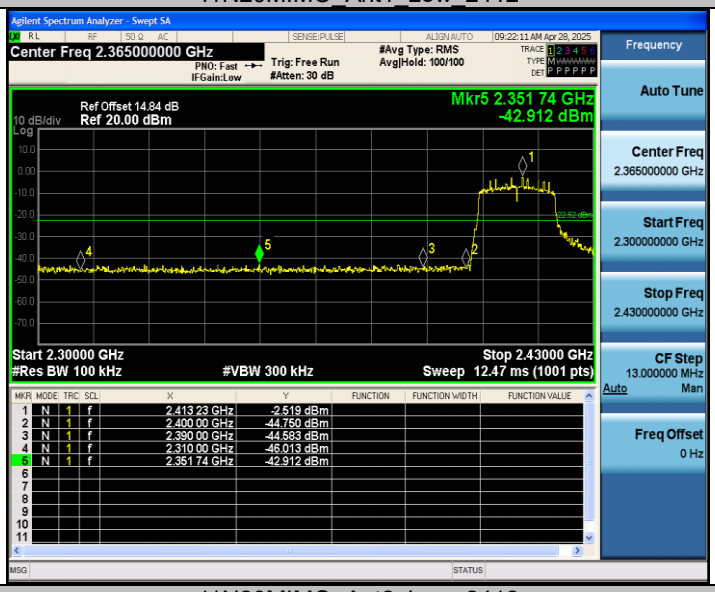
11G_Ant1_High_2462



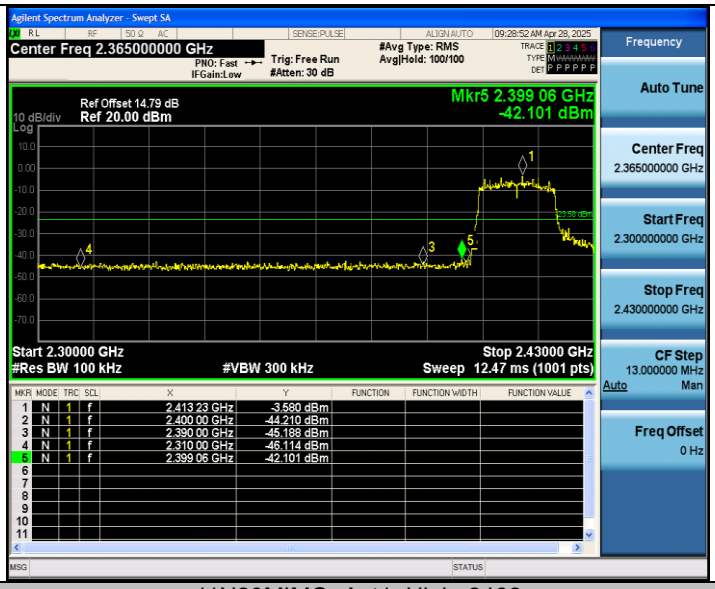
11G_Ant2_High_2462



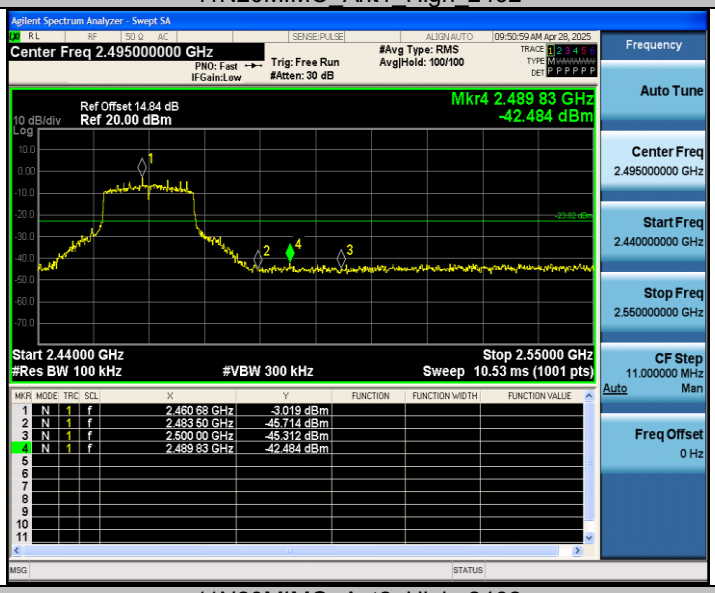
11N20MIMO_Ant1_Low_2412



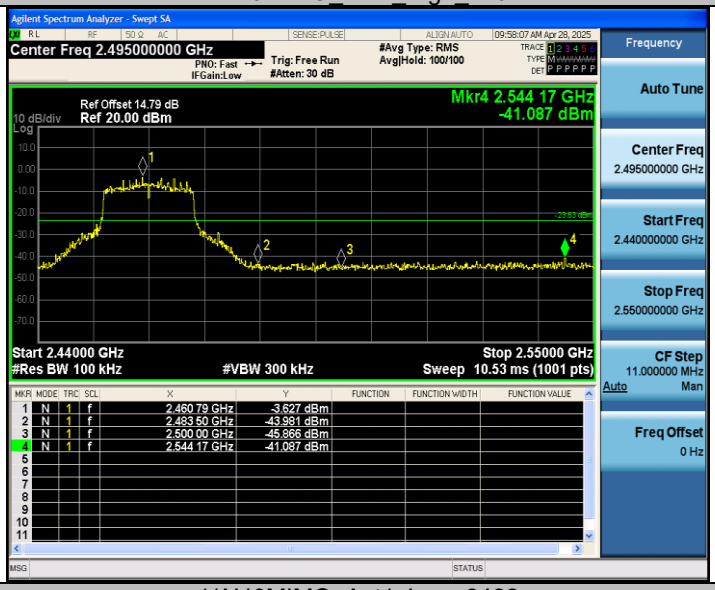
11N20MIMO_Ant2_Low_2412



11N20MIMO_Ant1_High_2462

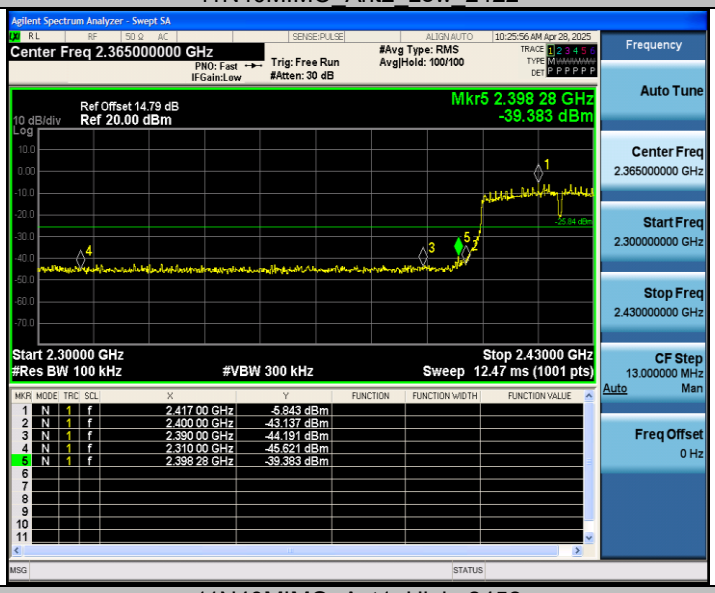


11N20MIMO_Ant2_High_2462

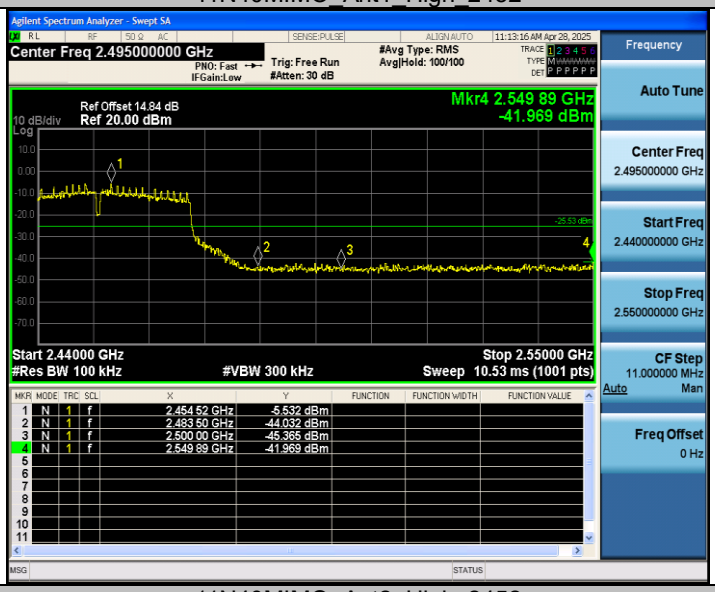


11N40MIMO_Ant1_Low_2422

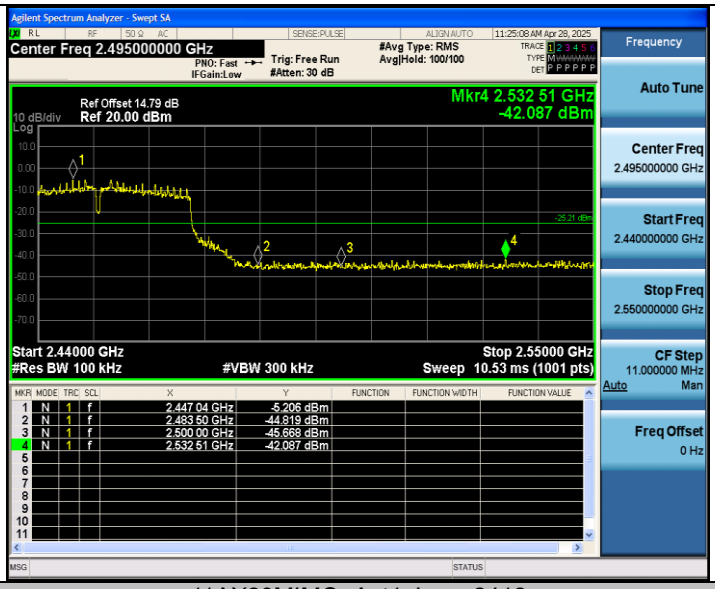
11N40MIMO_Ant2_Low_2422



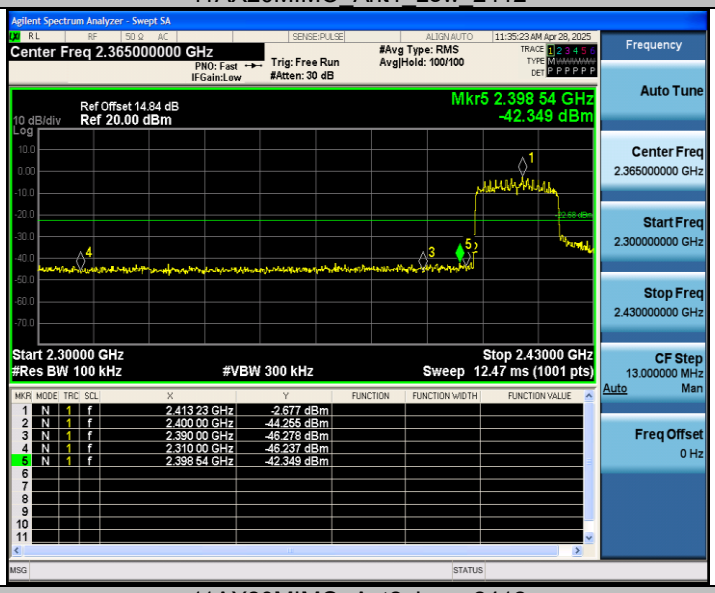
11N40MIMO_Ant1_High_2452



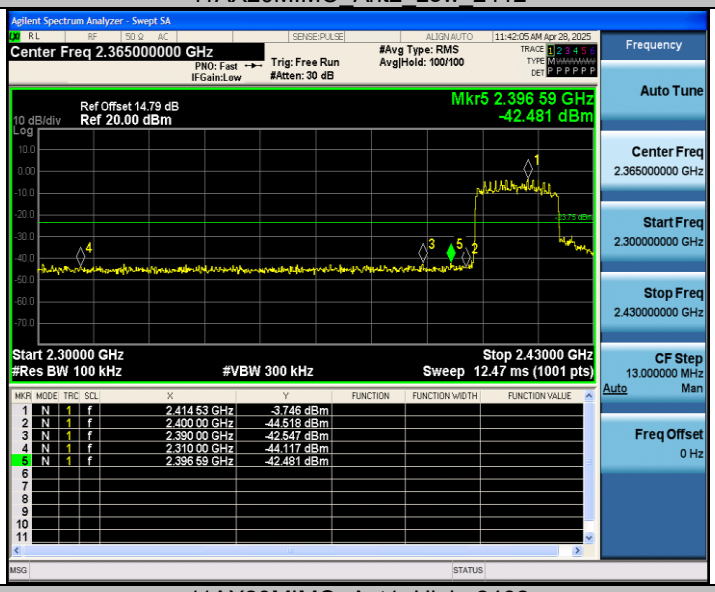
11N40MIMO_Ant2_High_2452



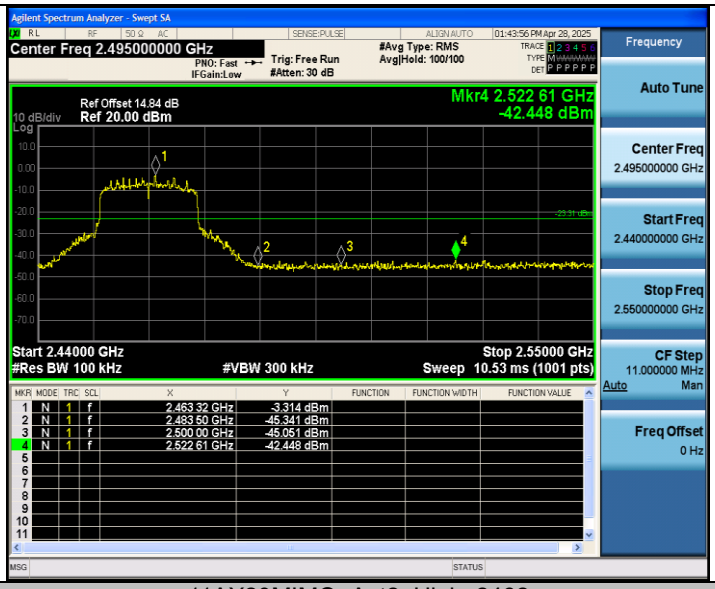
11AX20MIMO_Ant1_Low_2412



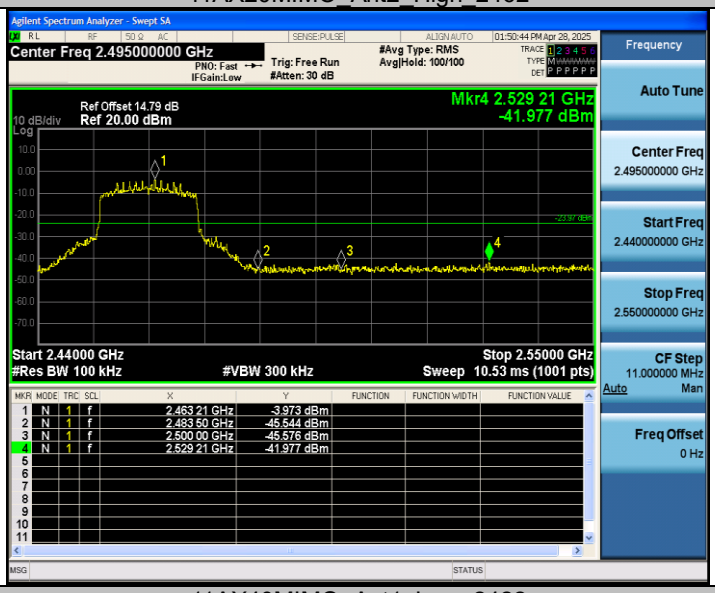
11AX20MIMO_Ant2_Low_2412



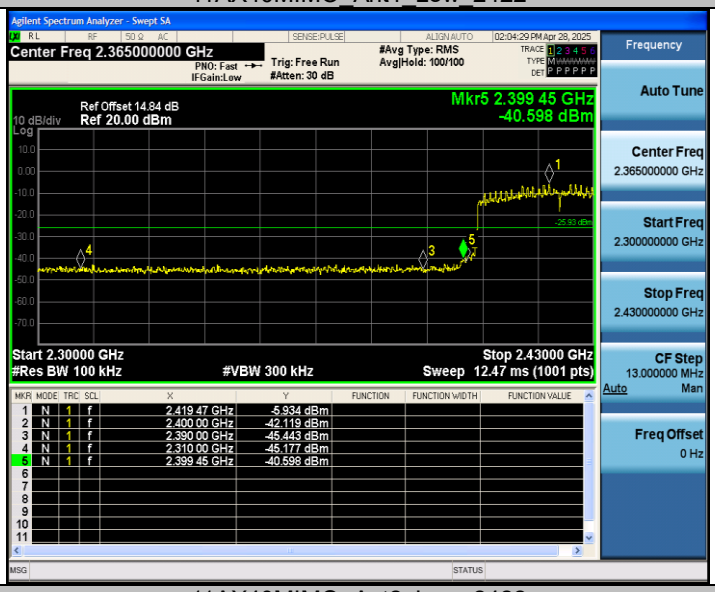
11AX20MIMO_Ant1_High_2462



11AX20MIMO_Ant2_High_2462

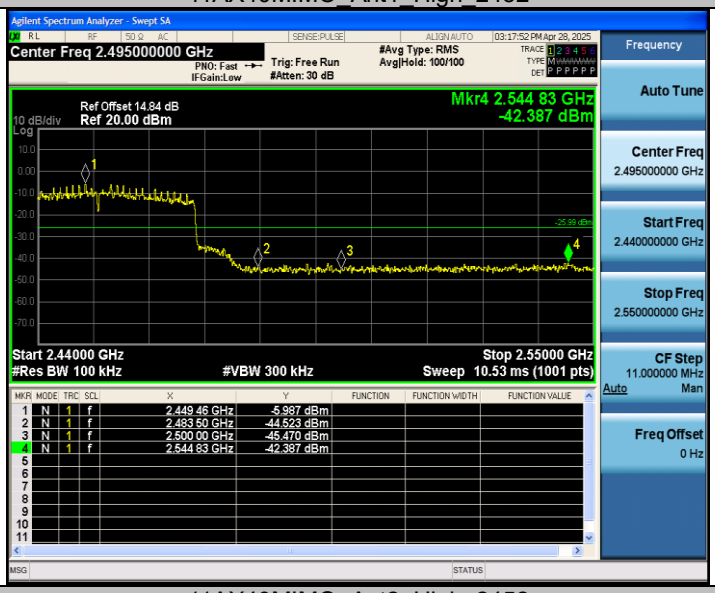


11AX40MIMO_Ant1_Low_2422

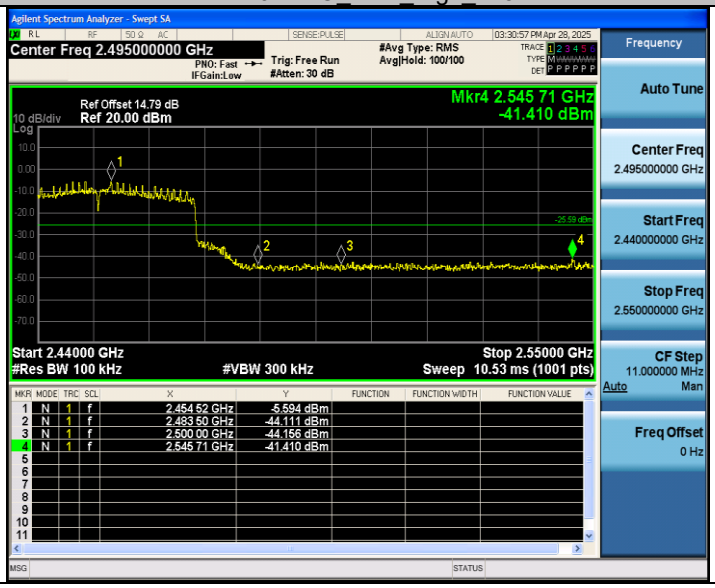


11AX40MIMO_Ant2_Low_2422

11AX40MIMO_Ant1_High_2452



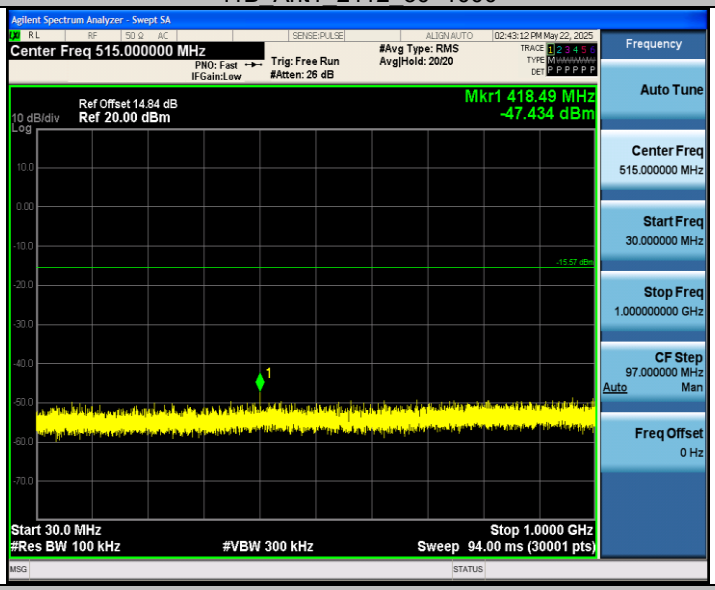
11AX40MIMO_Ant2_High_2452



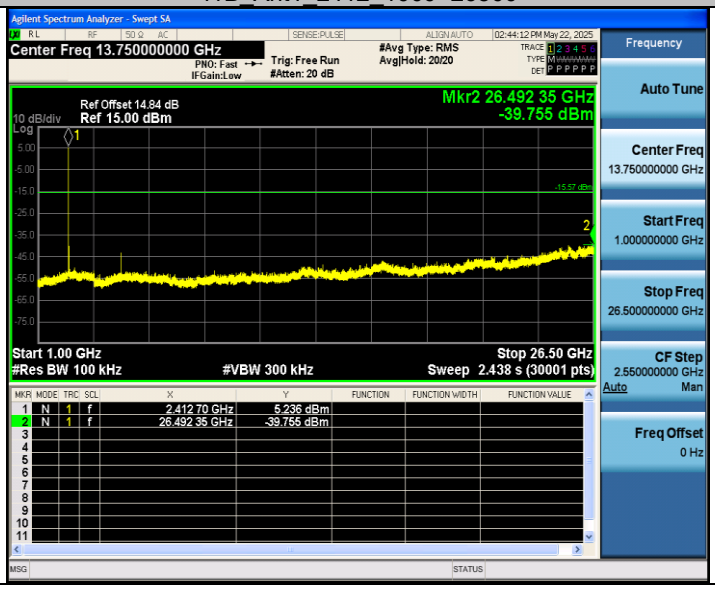
Conducted Spurious Emissions Test plot as follows:

11B_Ant1_2412_0~Reference

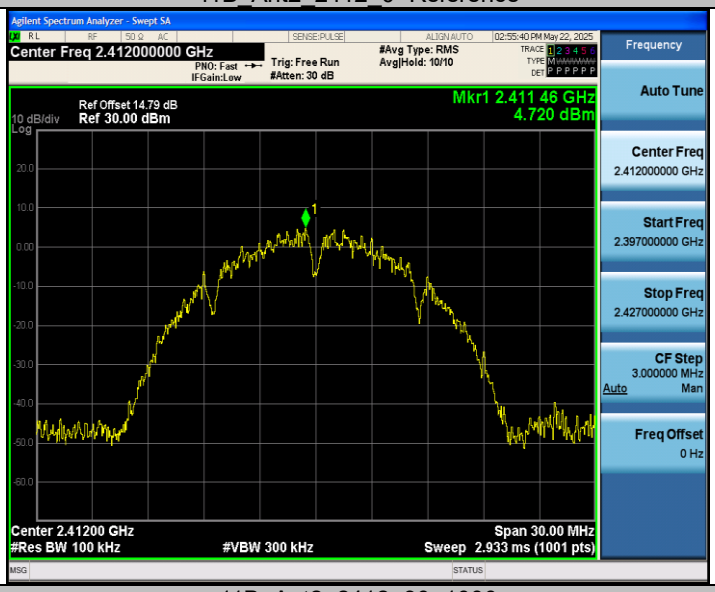
11B_Ant1_2412_30~1000



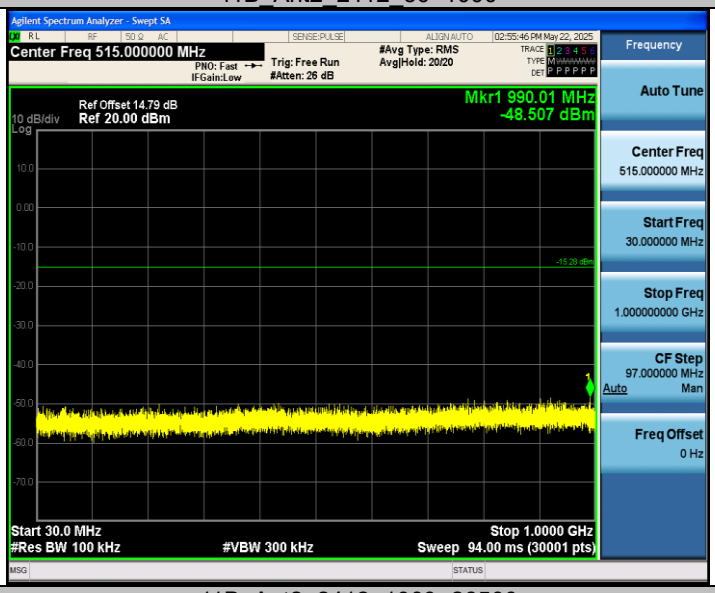
11B_Ant1_2412_1000~26500



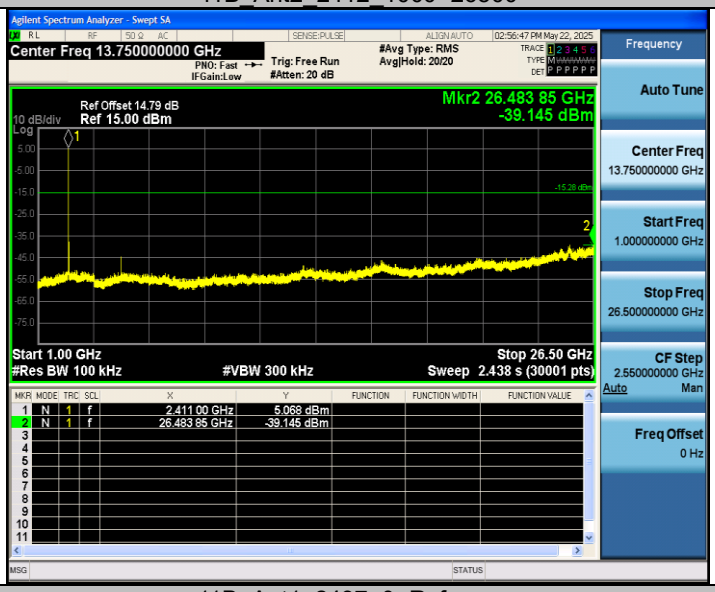
11B_Ant2_2412_0~Reference



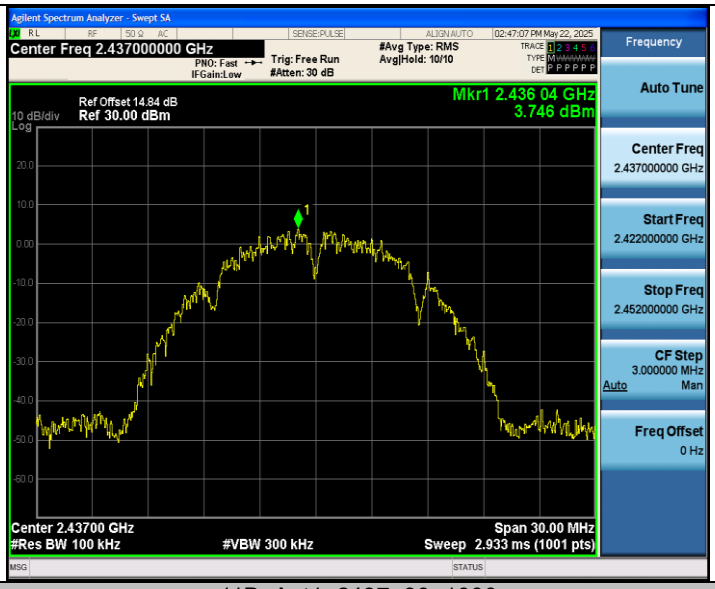
11B_Ant2_2412_30~1000



11B_Ant2_2412_1000~26500



11B_Ant1_2437_0~Reference



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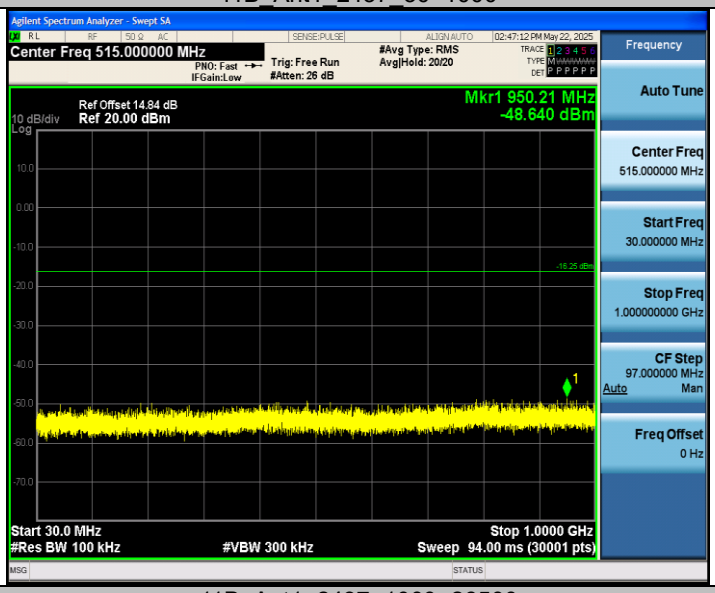
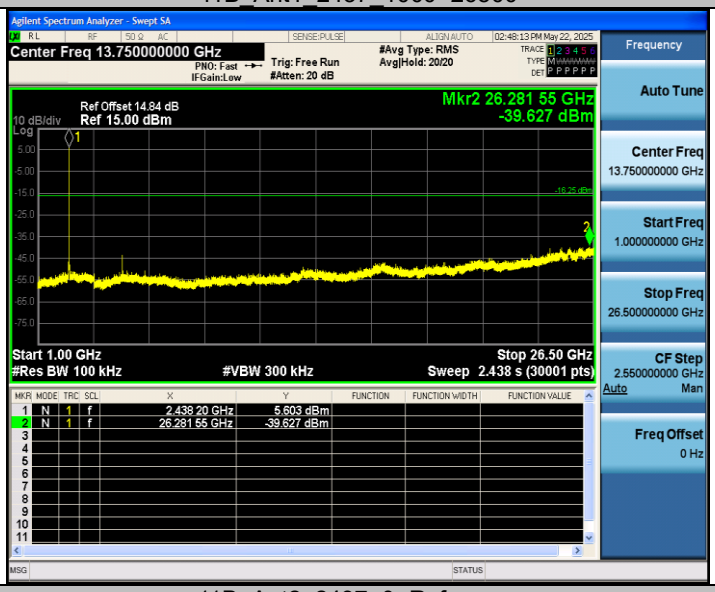


11B_Ant1_2437_1000~26500



11B_Ant2_2437_0~Reference