CTC Laboratories, Inc.

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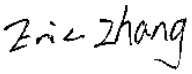
TEST REPORT

Report No. .....:	**CTC20231948E01**
FCC ID.....:	**2BEY4-E94**
Applicant .....:	**Kontron d.o.o.**
Address.....:	Ljubljanska cesta 24a, 4000 Kranj, Slovenia
Manufacturer.....:	Kontron d.o.o.
Address.....:	Ljubljanska cesta 24a, 4000 Kranj, Slovenia
Product Name .....:	**Dual Band GPON ON/ Mesh Router**
Trade Mark .....:	Innbox
Model/Type reference.....:	E94
Listed Model(s).....:	G94
Standard .....:	**FCC CFR Title 47 Part 15 Subpart C Section 15.247**
Date of receipt of test sample.....:	Oct. 12, 2023
Date of testing.....:	Oct. 27, 2023 ~ Dec. 8, 2023
Date of issue.....:	Feb. 26, 2024
Result.....:	**PASS**

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

Testing Laboratory Name .....:	**CTC Laboratories, Inc.**
Address.....:	2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Table of Contents Page

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.	Date of issue	Description
01	Feb. 26, 2024	Original

1.3. Test Description

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

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: 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, 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:	Kontron d.o.o.
Address:	Ljubljanska cesta 24a, 4000 Kranj, Slovenia
Manufacturer:	Kontron d.o.o.
Address:	Ljubljanska cesta 24a, 4000 Kranj, Slovenia
Factory:	Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Branch 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:	Dual Band GPON ON/ Mesh Router
Trade Mark:	Innbox
Model/Type reference:	E94
Listed Model(s):	G94
Model Difference:	E94 is a router, G94 is a light cat; G94 uses PON uplink, E94 uses WAN uplink; The appearance of the two products is completely consistent, the internal PCB version and circuit routing are completely consistent, and the WiFi module and antenna are completely consistent. And different is model number and Product Name.
Power Supply:	DC12V 2A from AC/DC Adapter
Adapter Model	BY-SKY120200U70L Input: 100-240V~ 50/60Hz 0.7A Output: 12Vdc/2A
Hardware Version:	/
Software Version:	/
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:	dipole Antenna
Antenna Gain:	1.6dBi

2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	ThinkBook 14 G3 ACL	/	Lenovo
Cable Information			
Name	Shielded Type	Ferrite Core	Length
LAN Cable	Unshielded	NO	150cm
Test Software Information			
Name	Version	/	/
QATool	UIv2.17_DLLv6.00	/	/

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	dipole Antenna	IPEX	1.6
2	NA	NA	dipole Antenna	IPEX	1.6
3	NA	NA	dipole Antenna	IPEX	1.6
4	NA	NA	dipole Antenna	IPEX	1.6

For 2.4G, this EUT supports MIMO 4X4 with the same antenna gain, and any transmit signals are correlated with each other.

According to KDB 662911 D01, Directional Gain = $G_{Ant.}$+10log(N) dBi, that is Directional Gain=1.6+10log(4)dBi=7.62dBi. So output power limit is 30-7.62+6=28.38dBm, and the power spectral density limit is 8-6.38+6=6.38dBm/3kHz.

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-MCS8
802.11ax(HE20)/ (HE40)	HE-MCS0

Test Mode:

For RF test items:
The engineering test program was provided and enabled to make EUT continuous transmit.
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.

RU Configuration:

Operating Mode	Resource Unit	26 Tone (2M)
802.11ax(HE20)	Specific Resource Unit	0
		⋮
		4
		⋮
		8
	Resource Unit	52 Tone (4M)
	Specific Resource Unit	37
		38
		39
		40
	Resource Unit	106 Tone (8M)
	Specific Resource Unit	53
		54
	Resource Unit	242 Tone (20M)
	Specific Resource Unit	61
Operating Mode	Resource Unit	26 Tone (2M)
802.11ax(HE40)	Specific Resource Unit	0
		⋮
		8
		⋮
		17

	Resource Unit	52 Tone (4M)
	Specific Resource Unit	37
		38
		39
		40
		41
		42
		43
		44
	Resource Unit	106 Tone (8M)
	Specific Resource Unit	53
		54
		55
		56
	Resource Unit	242 Tone (20M)
	Specific Resource Unit	61
		62
	Resource Unit	484 Tone (40M)
	Specific Resource Unit	65

2.5. Measurement Instruments List

RF Test System					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	MXA Signal Analyzer	Keysight	N9020A	MY52091402	Aug. 22, 2024
2	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 24, 2024
3	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 14, 2024
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 14, 2024
5	Test Software	WCS	WCS-WCN	2023.08.04	/

Radiated Emission (3m chamber 3)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9163	01026	Dec. 18, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Dec. 01, 2024
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 16, 2023
4	Broadband Amplifier	SCHWARZBECK	BBV9743B	259	Dec. 16, 2023
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 16, 2023
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026
7	Test Software	FARA	EZ-EMC	FA-03A2	/

Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	LISN	R&S	ENV216	101112	Dec. 16, 2023
2	LISN	R&S	ENV216	101113	Dec. 16, 2023
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 16, 2023
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 16, 2023
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 16, 2023
6	Test Software	R&S	EMC32	6.10.10	/

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

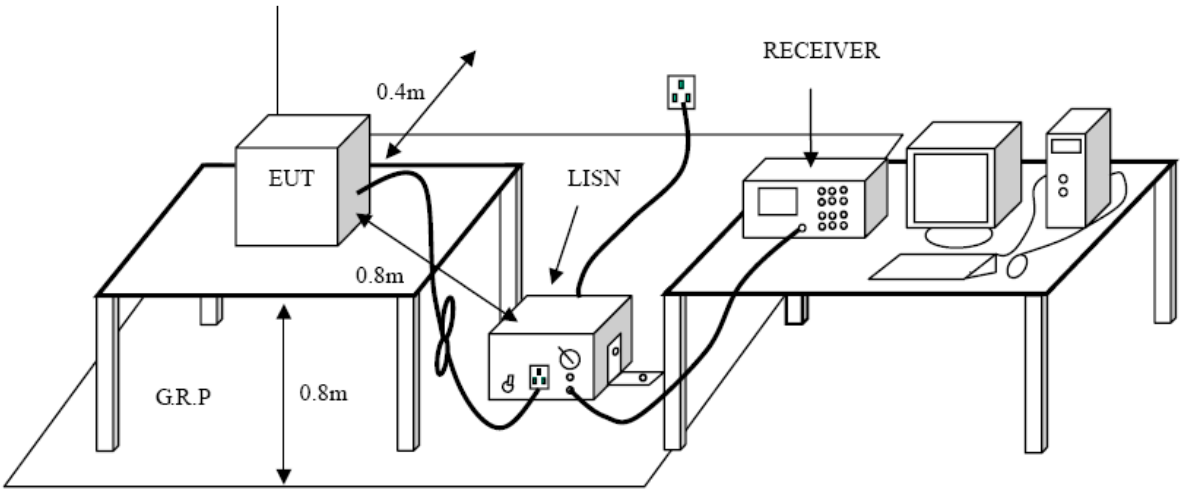
Limit

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

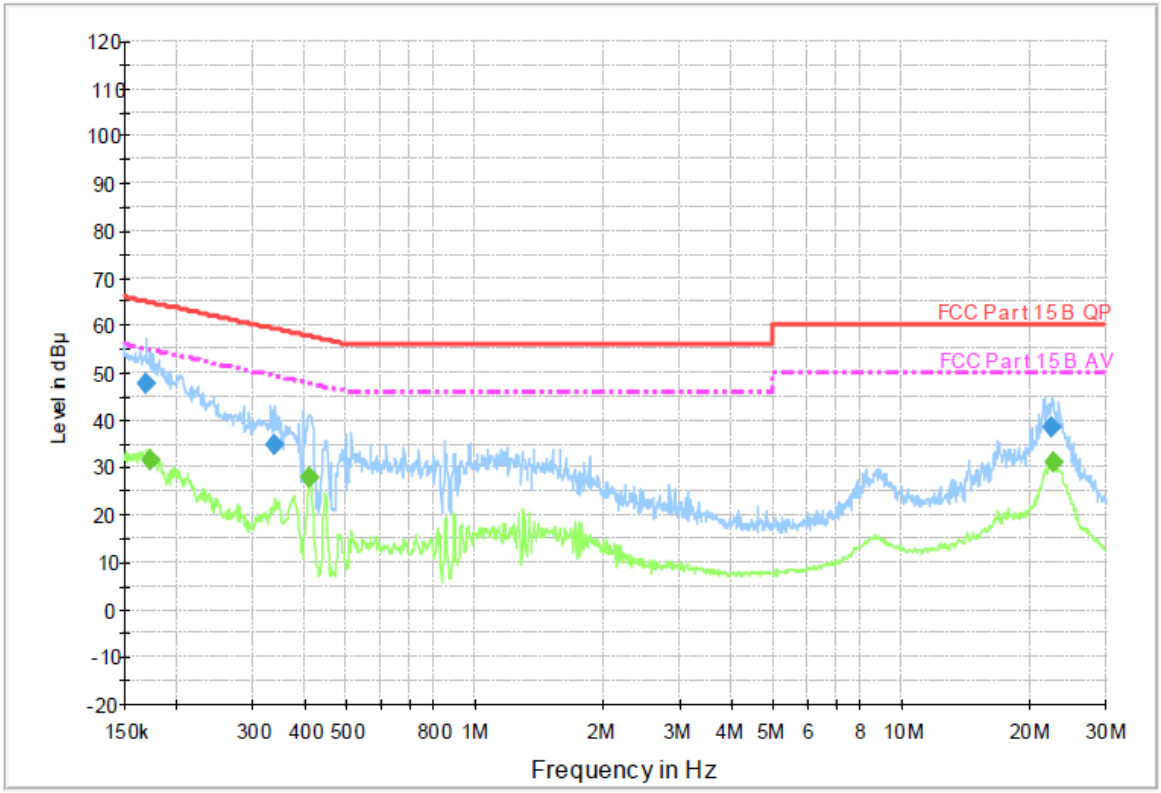
1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from 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

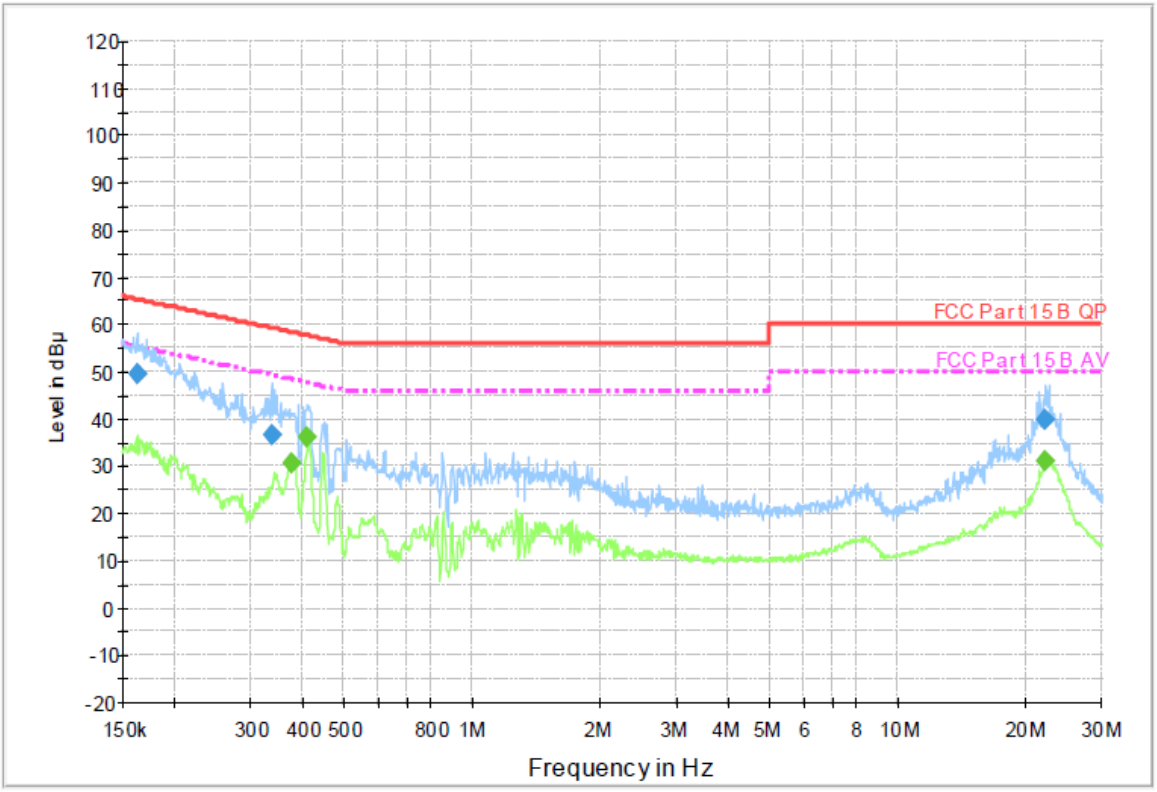
Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.168410	47.5	1000.00	9.000	On	L1	9.4	17.5	65.0	
0.338660	34.9	1000.00	9.000	On	L1	9.5	24.3	59.2	
22.485430	38.6	1000.00	9.000	On	L1	9.6	21.4	60.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.171810	31.6	1000.00	9.000	On	L1	9.4	23.3	54.9	
0.406930	27.8	1000.00	9.000	On	L1	9.5	19.9	47.7	
22.665670	31.3	1000.00	9.000	On	L1	9.6	18.7	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
0.162470	49.7	1000.00	9.000	On	N	9.3	15.6	65.3	
0.335970	36.5	1000.00	9.000	On	N	9.4	22.8	59.3	
22.217750	39.7	1000.00	9.000	On	N	9.5	20.3	60.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.377210	30.7	1000.00	9.000	On	N	9.4	17.6	48.3	
0.408560	36.3	1000.00	9.000	On	N	9.4	11.4	47.7	
22.217750	31.3	1000.00	9.000	On	N	9.5	18.8	50.0	

Emission Level = Read Level + Correct Factor

3.2. Radiated Emission

Limit

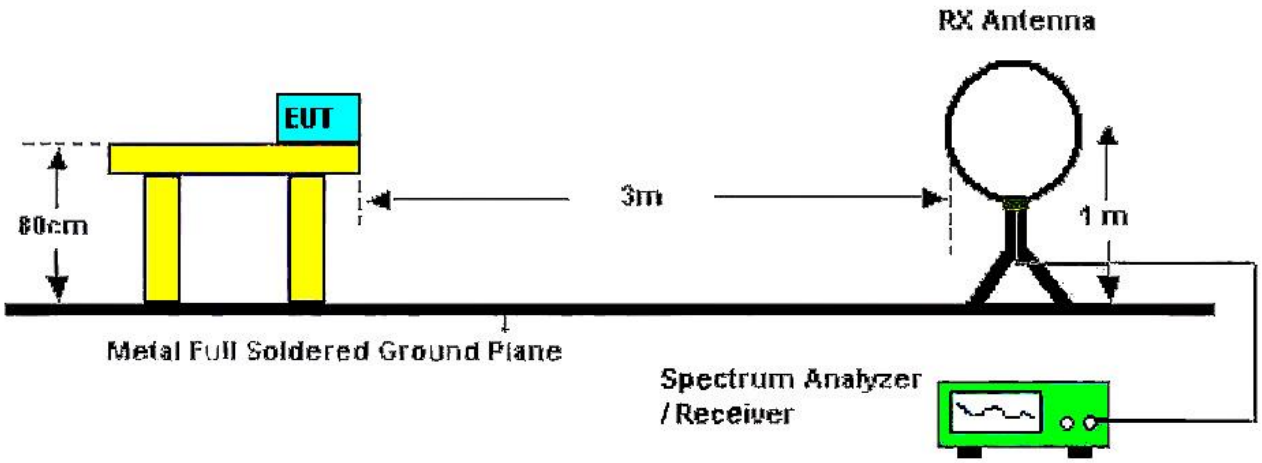
FCC CFR Title 47 Part 15 Subpart C Section 15.209

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

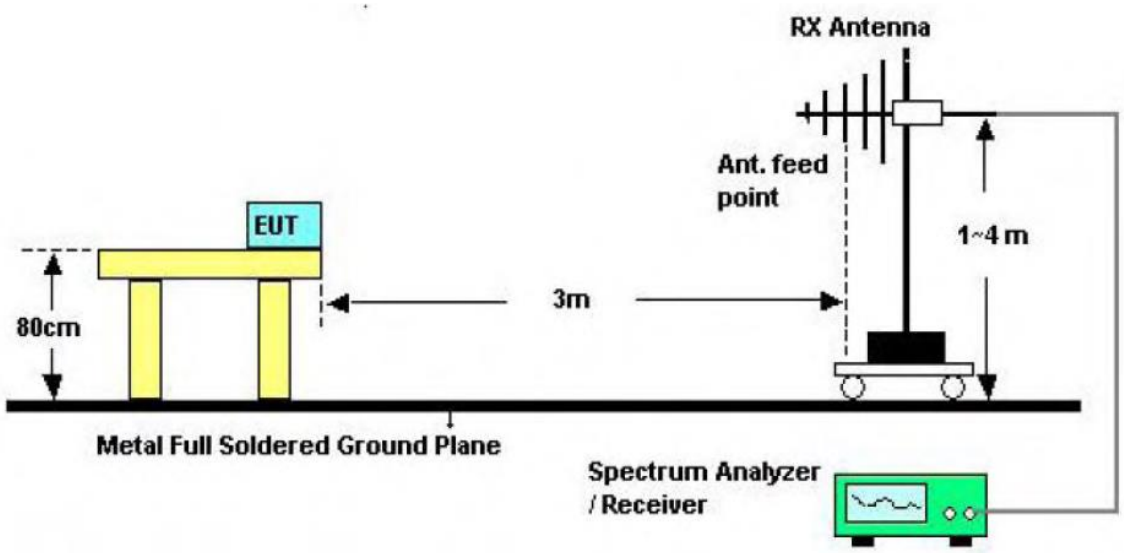
Frequency Range (MHz)	dBμV/m (at 3 meters)	
	Peak	Average
Above 1000	74	54

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

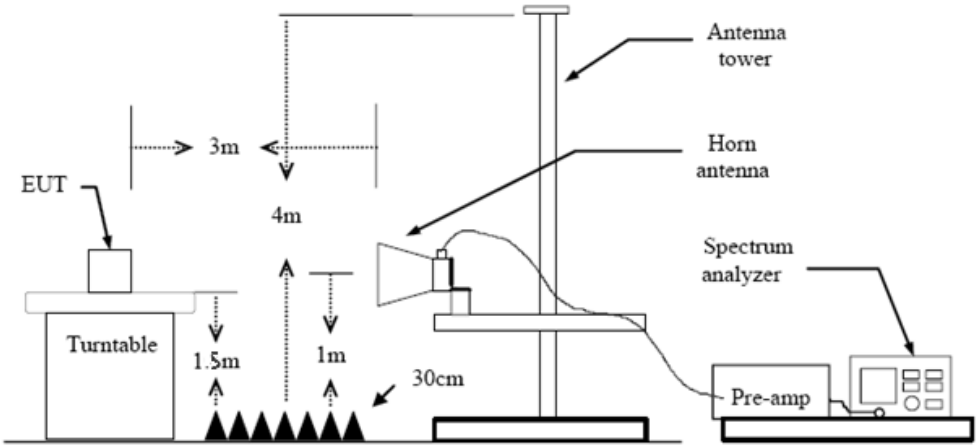
Test Configuration



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

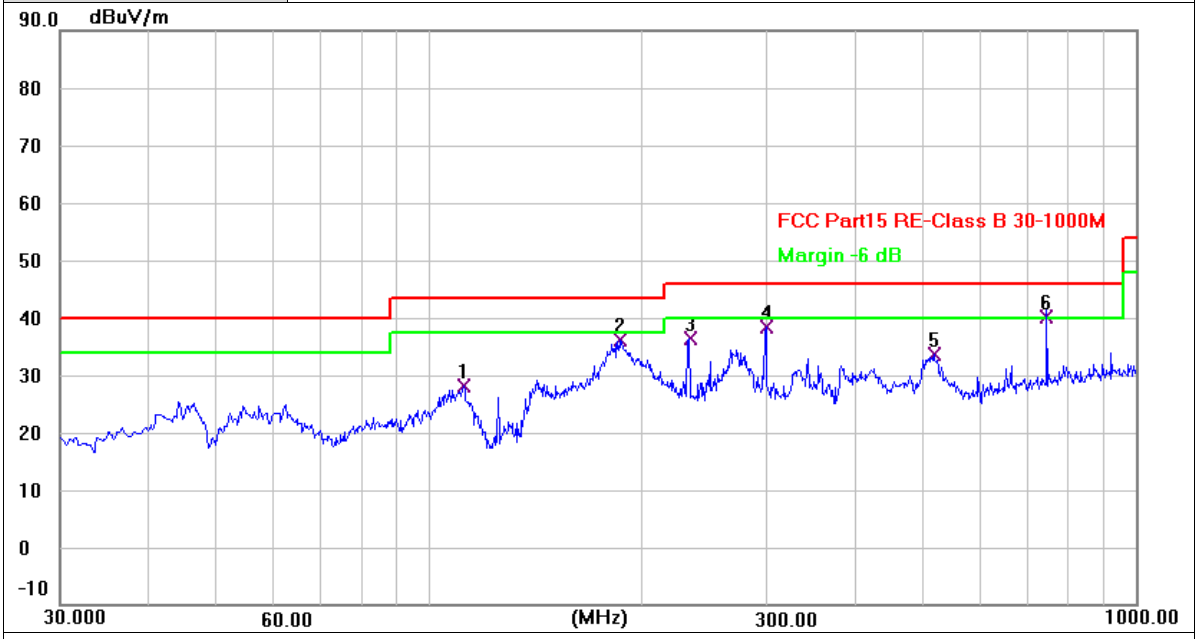
9 kHz~30 MHz

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

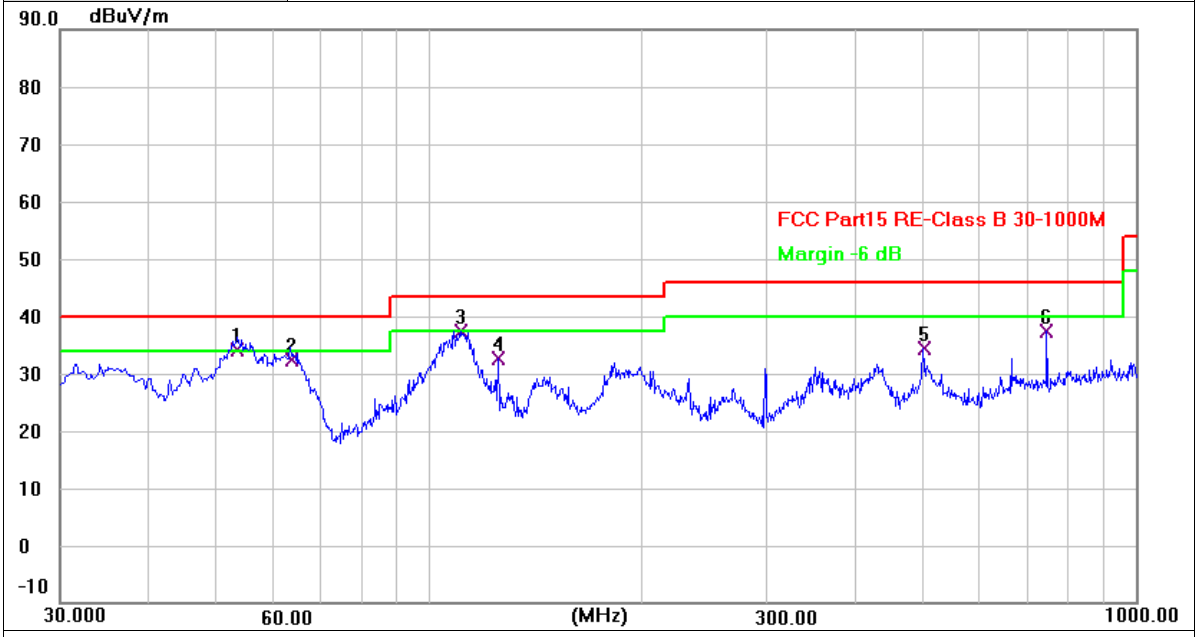
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	111.8033	44.27	-16.26	28.01	43.50	-15.49	QP
2	185.8466	53.56	-17.35	36.21	43.50	-7.29	QP
3	233.3767	51.29	-14.99	36.30	46.00	-9.70	QP
4	299.9833	51.78	-13.47	38.31	46.00	-7.69	QP
5	517.9099	42.61	-8.97	33.64	46.00	-12.36	QP
6 *	750.0633	44.98	-4.87	40.11	46.00	-5.89	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 *	53.6033	48.44	-14.19	34.25	40.00	-5.75	QP
2	63.6267	48.30	-15.89	32.41	40.00	-7.59	QP
3	110.8333	53.52	-16.13	37.39	43.50	-6.11	QP
4	125.0600	51.25	-18.54	32.71	43.50	-10.79	QP
5	500.1267	43.63	-9.29	34.34	46.00	-11.66	QP
6	750.0633	42.27	-4.87	37.40	46.00	-8.60	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 *	4823.969	41.28	2.11	43.39	54.00	-10.61	AVG
2	4824.005	46.29	2.11	48.40	74.00	-25.60	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 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 *	4823.984	38.83	2.11	40.94	54.00	-13.06	AVG
2	4824.024	43.45	2.11	45.56	74.00	-28.44	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 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	4873.977	45.59	2.18	47.77	74.00	-26.23	peak
2 *	4873.987	39.87	2.18	42.05	54.00	-11.95	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 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 *	4873.973	39.35	2.18	41.53	54.00	-12.47	AVG
2	4874.185	43.27	2.18	45.45	74.00	-28.55	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 *	4923.949	42.52	2.26	44.78	54.00	-9.22	AVG
2	4923.972	47.39	2.26	49.65	74.00	-24.35	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 *	4924.002	39.39	2.26	41.65	54.00	-12.35	AVG
2	4924.115	43.30	2.26	45.56	74.00	-28.44	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 *	4824.280	30.79	2.11	32.90	54.00	-21.10	AVG
2	4824.839	46.04	2.11	48.15	74.00	-25.85	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 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	4823.565	41.34	2.11	43.45	74.00	-30.55	peak
2 *	4824.115	29.37	2.11	31.48	54.00	-22.52	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 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 *	4873.909	24.06	2.18	26.24	54.00	-27.76	AVG
2	4874.988	39.35	2.18	41.53	74.00	-32.47	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	4874.276	39.86	2.18	42.04	74.00	-31.96	peak
2 *	4874.352	28.35	2.18	30.53	54.00	-23.47	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
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	4924.581	38.49	2.26	40.75	74.00	-33.25	peak
2 *	4924.756	23.00	2.26	25.26	54.00	-28.74	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 *	4873.685	26.76	2.18	28.94	54.00	-25.06	AVG
2	4873.933	37.26	2.18	39.44	74.00	-34.56	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	4823.807	41.62	2.11	43.73	74.00	-30.27	peak
2 *	4824.039	31.67	2.11	33.78	54.00	-20.22	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
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 *	4824.026	29.92	2.11	32.03	54.00	-21.97	AVG
2	4824.290	38.89	2.11	41.00	74.00	-33.00	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	4873.169	44.70	2.18	46.88	74.00	-27.12	peak
2 *	4873.919	31.41	2.18	33.59	54.00	-20.41	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 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	4873.745	38.14	2.18	40.32	74.00	-33.68	peak
2 *	4874.063	28.82	2.18	31.00	54.00	-23.00	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 802.11n(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 *	4924.042	30.04	2.26	32.30	54.00	-21.70	AVG
2	4924.607	43.21	2.26	45.47	74.00	-28.53	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 802.11n(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	4923.918	38.02	2.26	40.28	74.00	-33.72	peak
2 *	4923.919	27.71	2.26	29.97	54.00	-24.03	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	4843.853	41.52	2.13	43.65	74.00	-30.35	peak
2 *	4844.021	30.30	2.13	32.43	54.00	-21.57	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	4843.892	40.08	2.13	42.21	74.00	-31.79	peak
2 *	4844.056	31.72	2.13	33.85	54.00	-20.15	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 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 *	4873.876	27.54	2.18	29.72	54.00	-24.28	AVG
2	4874.133	40.71	2.18	42.89	74.00	-31.11	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 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 *	4874.070	29.09	2.18	31.27	54.00	-22.73	AVG
2	4874.185	37.99	2.18	40.17	74.00	-33.83	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 *	4903.982	28.63	2.22	30.85	54.00	-23.15	AVG
2	4904.092	40.58	2.22	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(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 *	4903.967	31.92	2.22	34.14	54.00	-19.86	AVG
2	4904.000	42.56	2.22	44.78	74.00	-29.22	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 242/61
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	4823.820	42.26	2.11	44.37	74.00	-29.63	peak
2 *	4824.000	32.65	2.11	34.76	54.00	-19.24	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 242/61
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 *	4823.999	34.94	2.11	37.05	54.00	-16.95	AVG
2	4824.145	43.97	2.11	46.08	74.00	-27.92	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 242/61
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 *	4874.055	28.68	2.18	30.86	54.00	-23.14	AVG
2	4874.075	40.23	2.18	42.41	74.00	-31.59	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 242/61
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	4873.735	42.23	2.18	44.41	74.00	-29.59	peak
2 *	4873.997	31.58	2.18	33.76	54.00	-20.24	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 242/61
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	4923.289	39.39	2.25	41.64	74.00	-32.36	peak
2 *	4924.113	27.53	2.26	29.79	54.00	-24.21	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 242/61
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	4923.950	41.80	2.26	44.06	74.00	-29.94	peak
2 *	4924.051	30.11	2.26	32.37	54.00	-21.63	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 484/65
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 *	4843.939	31.29	2.13	33.42	54.00	-20.58	AVG
2	4844.201	41.08	2.13	43.21	74.00	-30.79	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(HE40) Mode 2422MHz 484/65
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 *	4843.983	34.93	2.13	37.06	54.00	-16.94	AVG
2	4844.272	44.09	2.13	46.22	74.00	-27.78	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 2437MHz 484/65
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	4873.839	40.59	2.18	42.77	74.00	-31.23	peak
2 *	4874.003	29.16	2.18	31.34	54.00	-22.66	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 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2437MHz 484/65
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 *	4873.937	32.58	2.18	34.76	54.00	-19.24	AVG
2	4874.403	42.98	2.18	45.16	74.00	-28.84	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 2452MHz 484/65
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	4903.777	40.84	2.22	43.06	74.00	-30.94	peak
2 *	4903.963	29.86	2.22	32.08	54.00	-21.92	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 802.11ax(HE40) Mode 2452MHz 484/65
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 *	4904.041	31.46	2.22	33.68	54.00	-20.32	AVG
2	4904.304	42.57	2.22	44.79	74.00	-29.21	peak

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

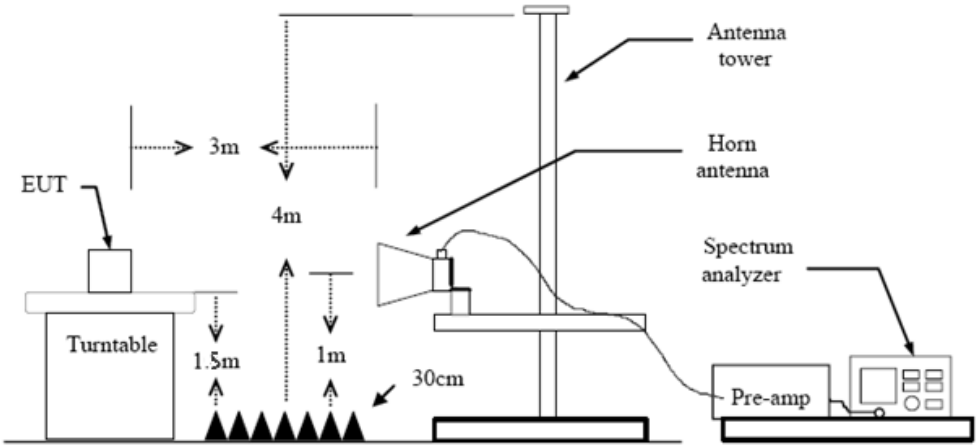
3.3. Band Edge Emissions (Radiated)

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.

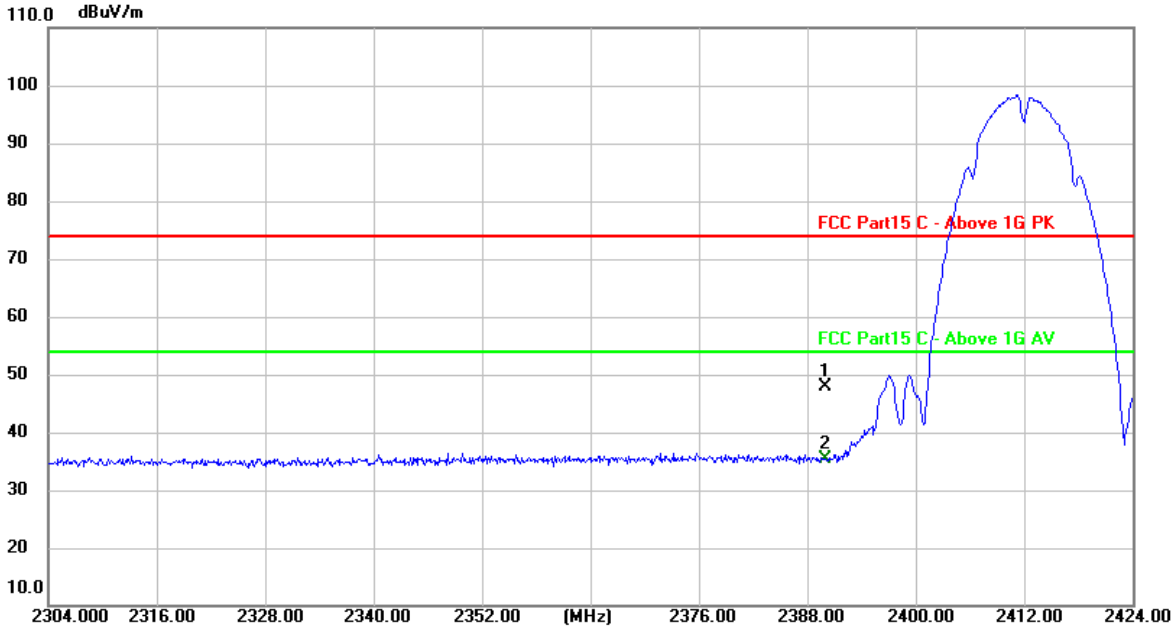
Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

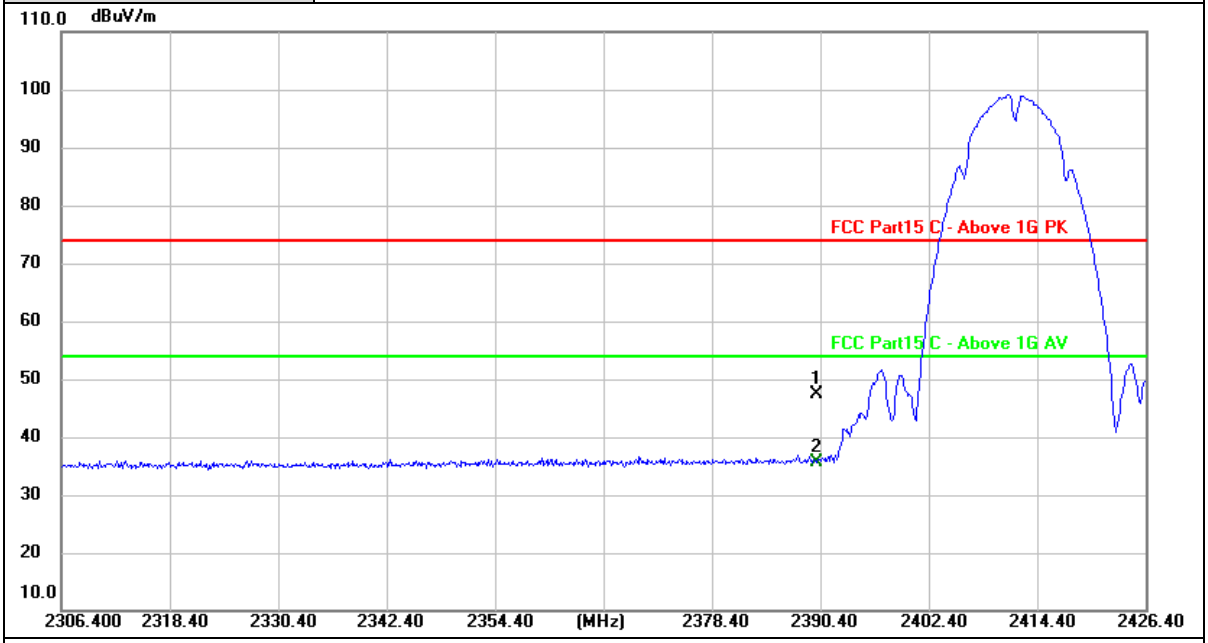
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	16.60	31.31	47.91	74.00	-26.09	peak
2 *	2390.000	4.15	31.31	35.46	54.00	-18.54	AVG

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

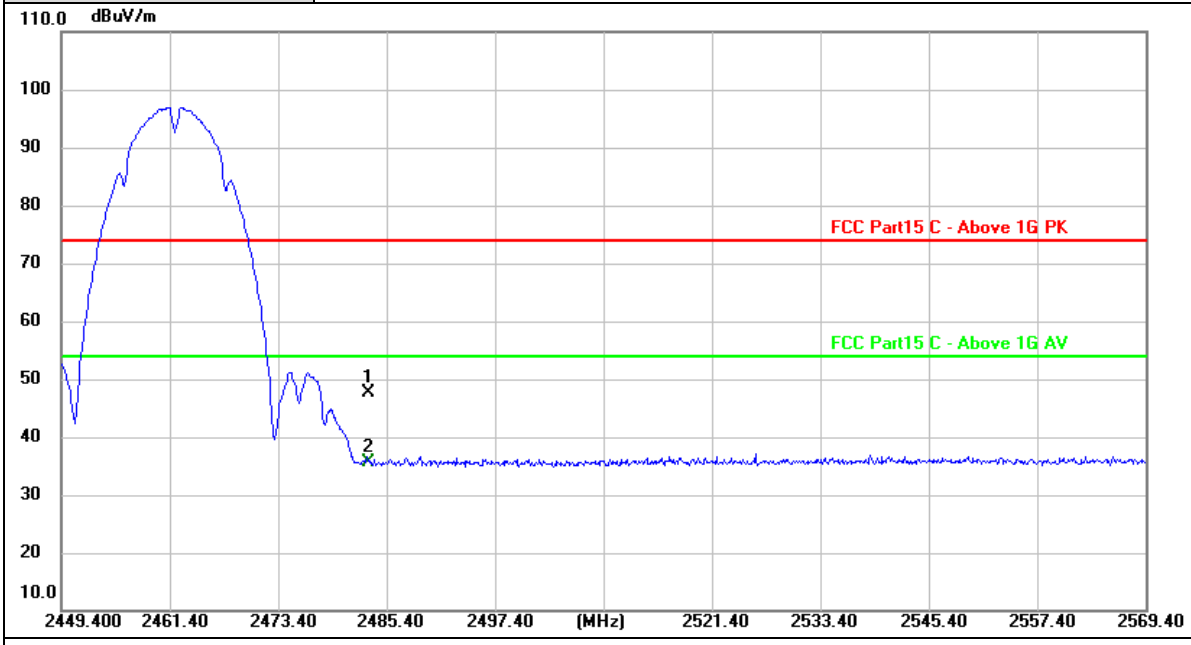
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.99	31.31	47.30	74.00	-26.70	peak
2 *	2390.000	4.39	31.31	35.70	54.00	-18.30	AVG

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

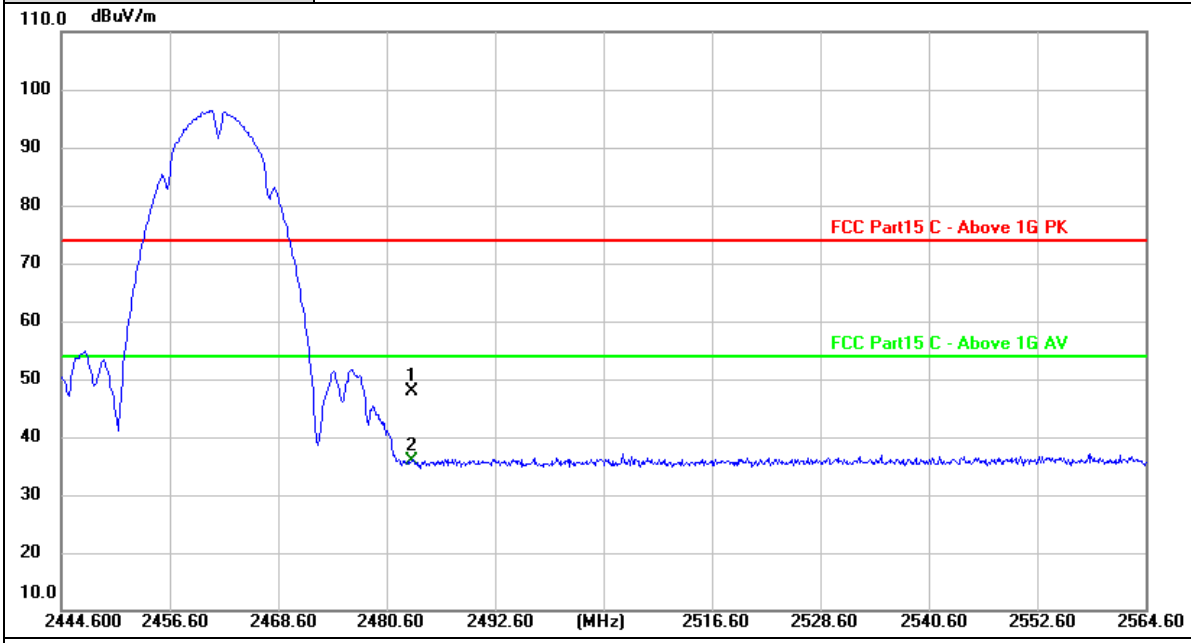
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.09	31.48	47.57	74.00	-26.43	peak
2 *	2483.500	4.08	31.48	35.56	54.00	-18.44	AVG

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

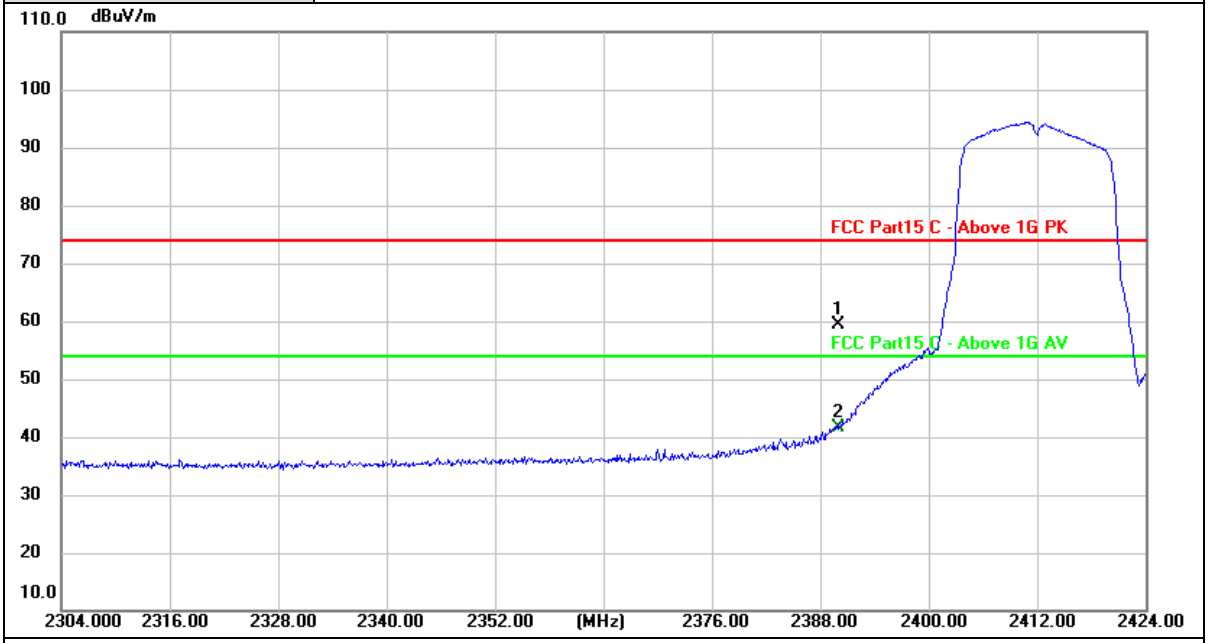
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.50	31.48	47.98	74.00	-26.02	peak
2 *	2483.500	4.43	31.48	35.91	54.00	-18.09	AVG

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

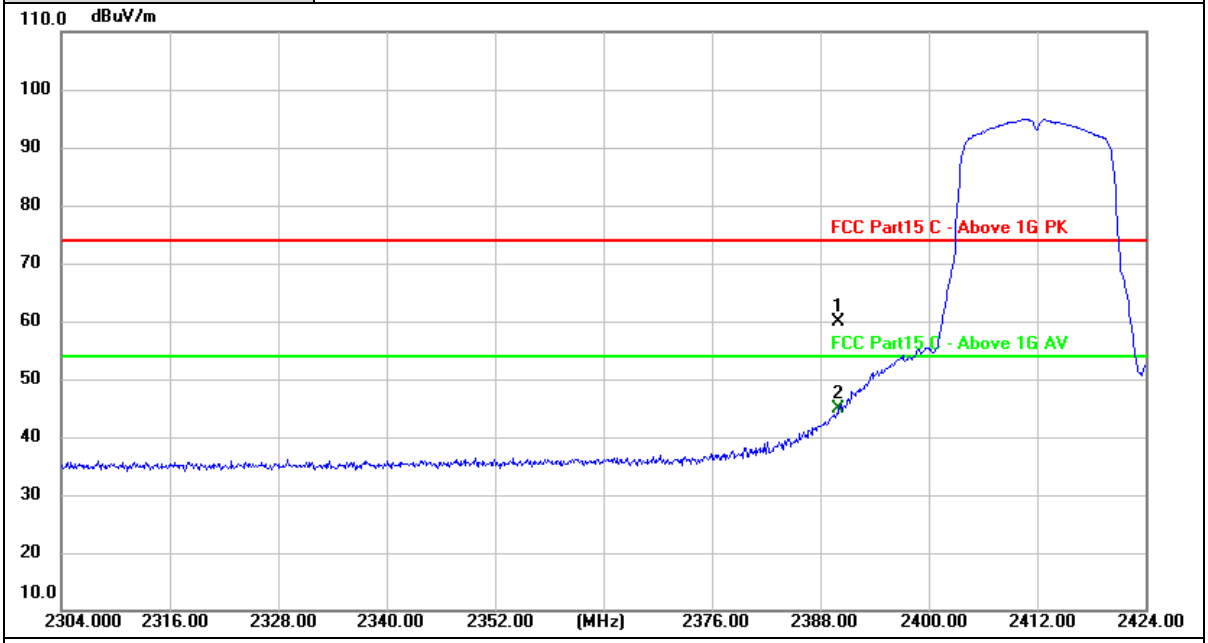
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	28.02	31.31	59.33	74.00	-14.67	peak
2 *	2390.000	10.42	31.31	41.73	54.00	-12.27	AVG

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

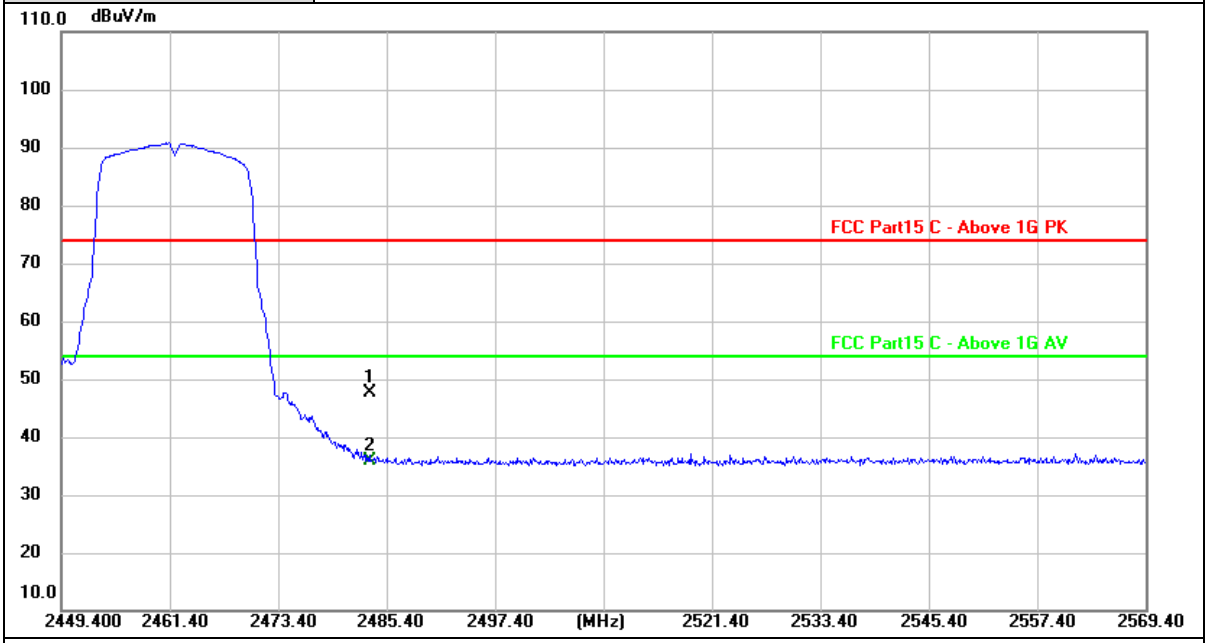
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	28.48	31.31	59.79	74.00	-14.21	peak
2 *	2390.000	13.69	31.31	45.00	54.00	-9.00	AVG

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

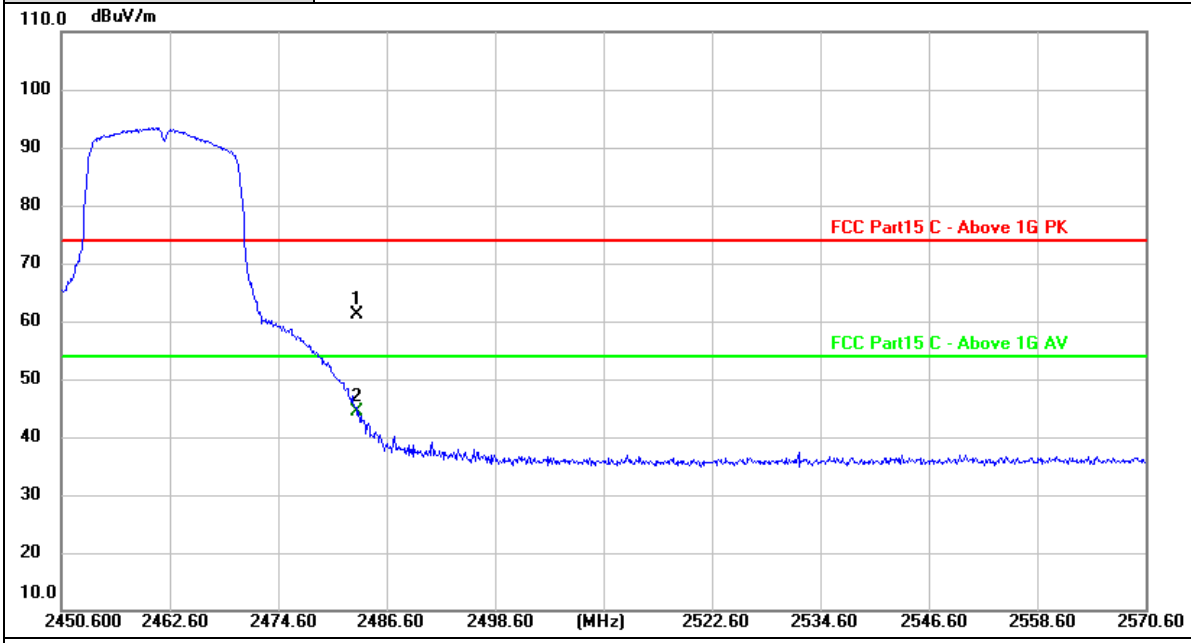
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.11	31.48	47.59	74.00	-26.41	peak
2 *	2483.500	4.43	31.48	35.91	54.00	-18.09	AVG

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

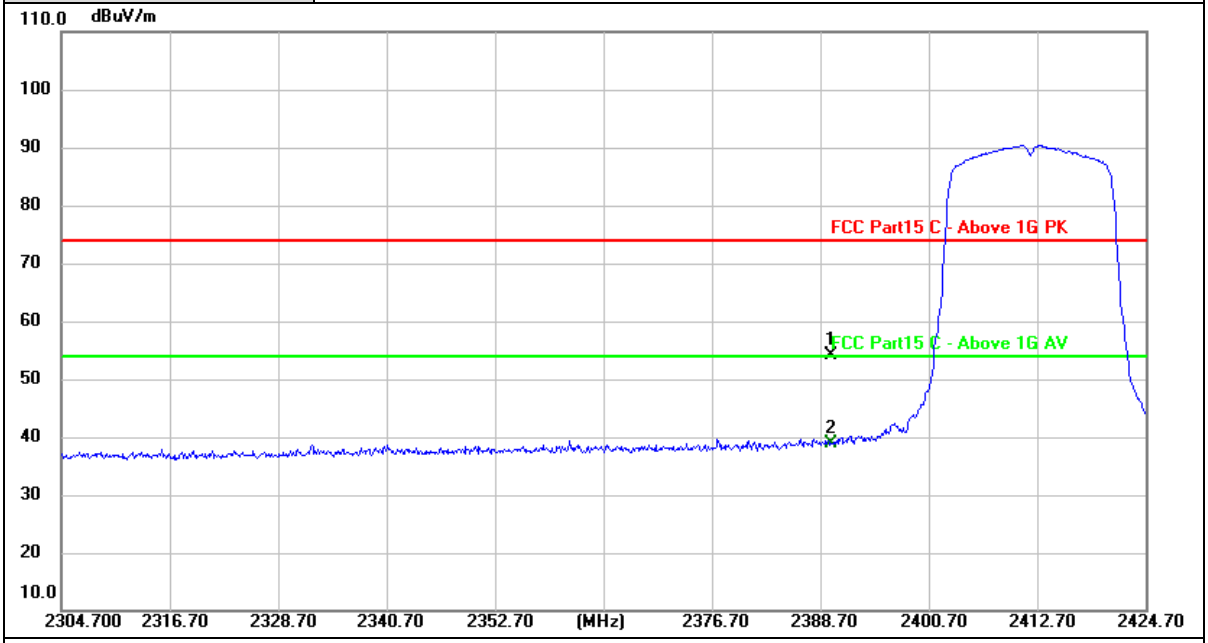
Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	29.65	31.48	61.13	74.00	-12.87	peak
2 *	2483.500	13.01	31.48	44.49	54.00	-9.51	AVG

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

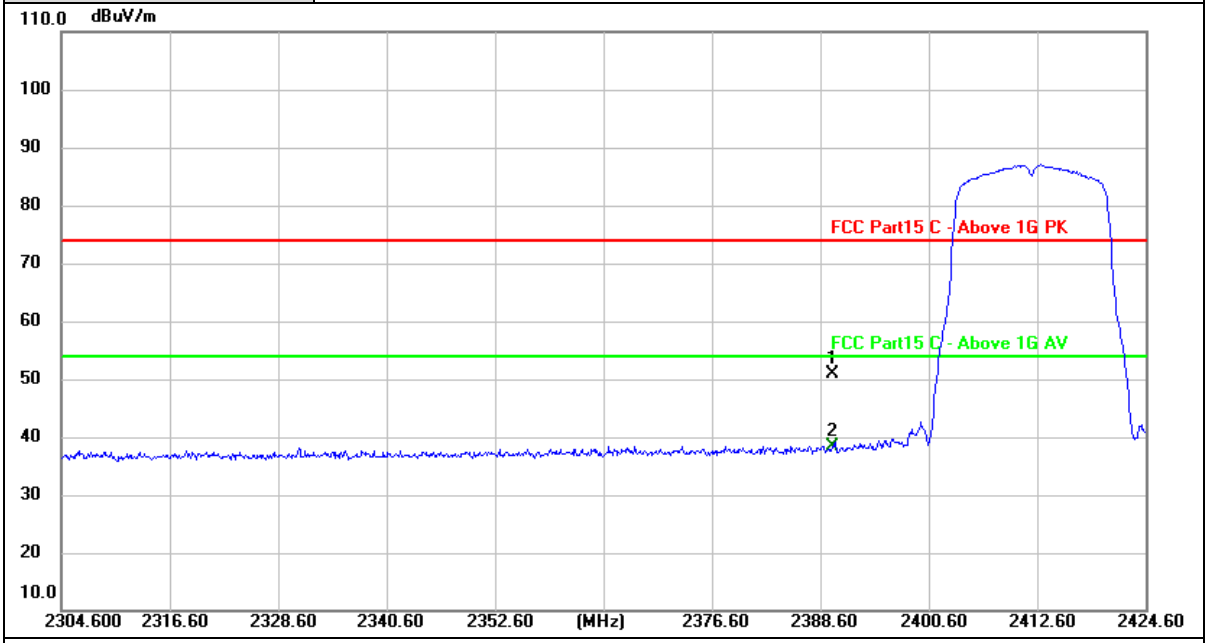
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	22.79	31.31	54.10	74.00	-19.90	peak
2 *	2390.000	7.51	31.31	38.82	54.00	-15.18	AVG

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

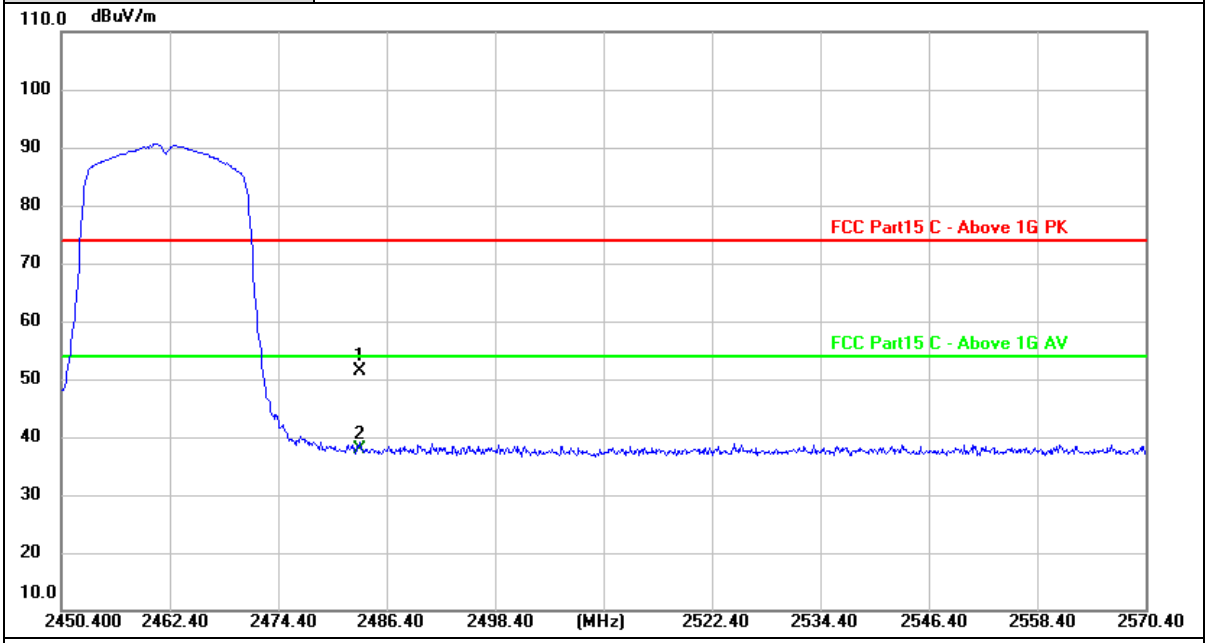
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	19.45	31.31	50.76	74.00	-23.24	peak
2 *	2390.000	6.95	31.31	38.26	54.00	-15.74	AVG

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

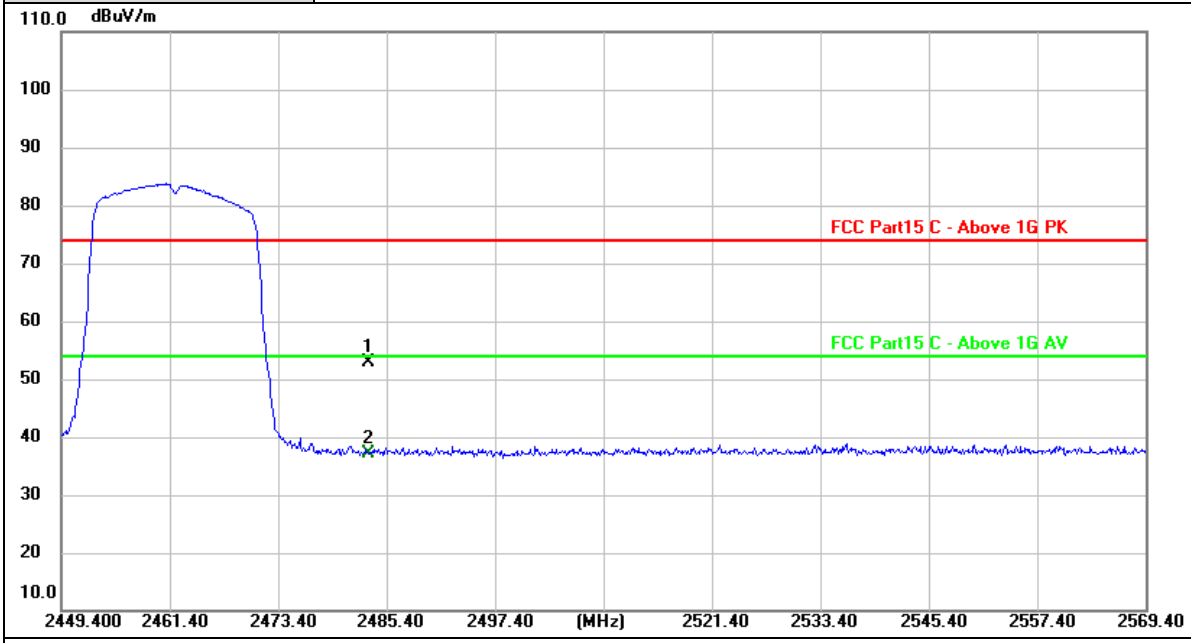
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.80	31.48	51.28	74.00	-22.72	peak
2 *	2483.500	6.37	31.48	37.85	54.00	-16.15	AVG

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

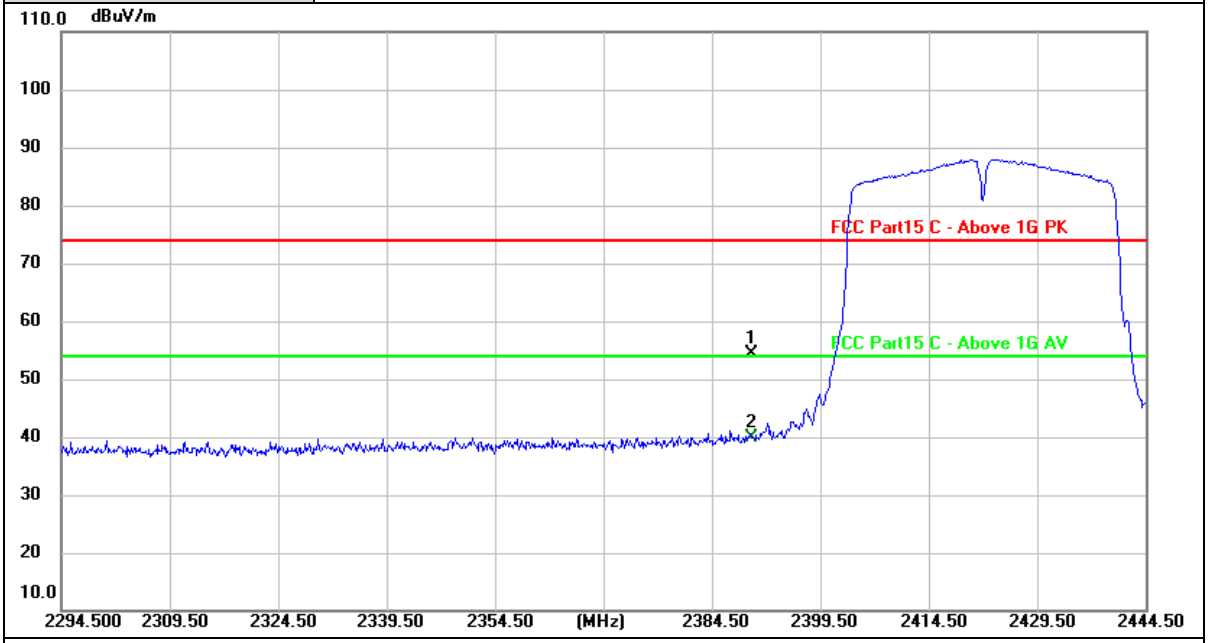
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT20) Mode 2462MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	21.40	31.48	52.88	74.00	-21.12	peak
2 *	2483.500	5.54	31.48	37.02	54.00	-16.98	AVG

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

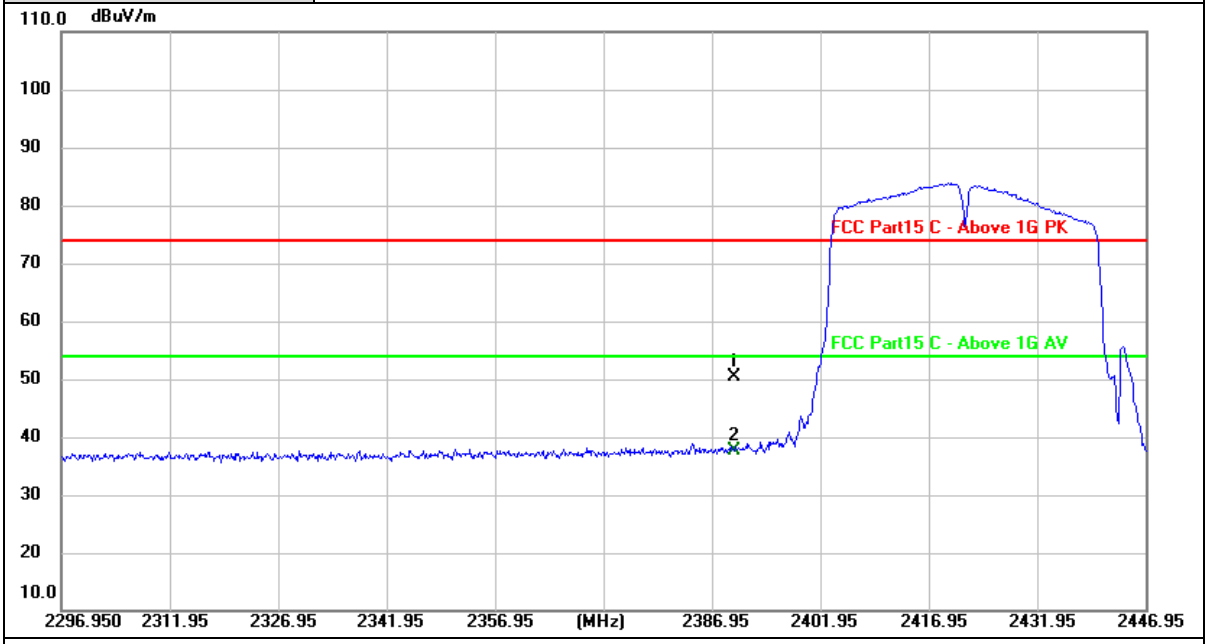
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2422MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	23.13	31.31	54.44	74.00	-19.56	peak
2 *	2390.000	8.64	31.31	39.95	54.00	-14.05	AVG

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

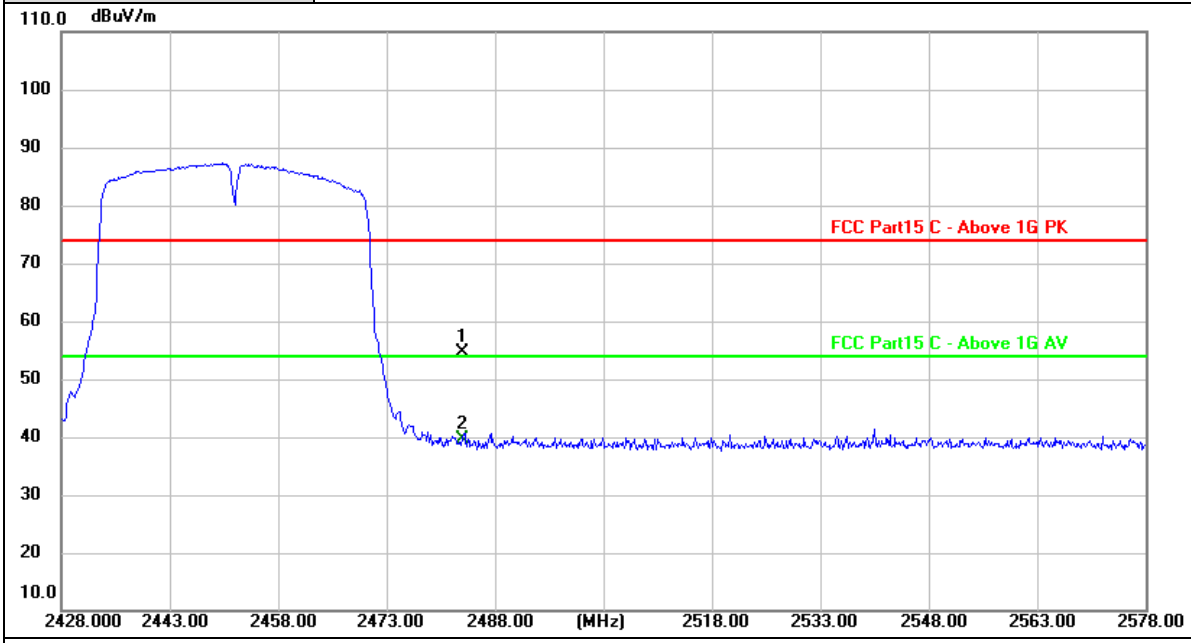
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2422MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	19.05	31.31	50.36	74.00	-23.64	peak
2 *	2390.000	6.34	31.31	37.65	54.00	-16.35	AVG

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

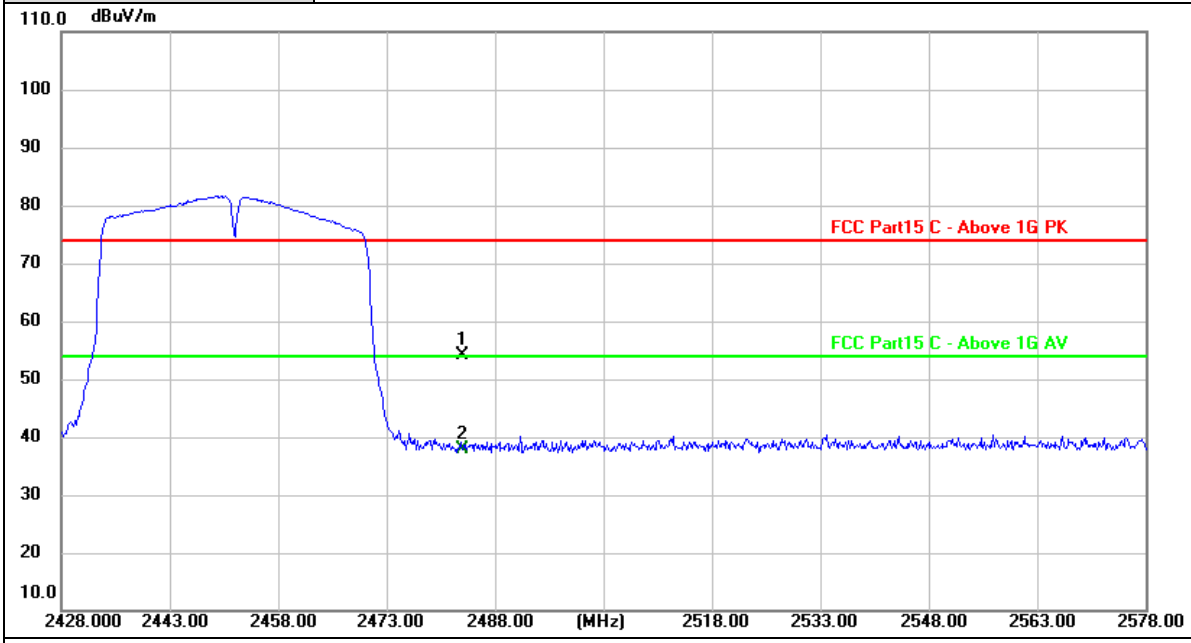
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	23.11	31.48	54.59	74.00	-19.41	peak
2 *	2483.500	8.17	31.48	39.65	54.00	-14.35	AVG

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

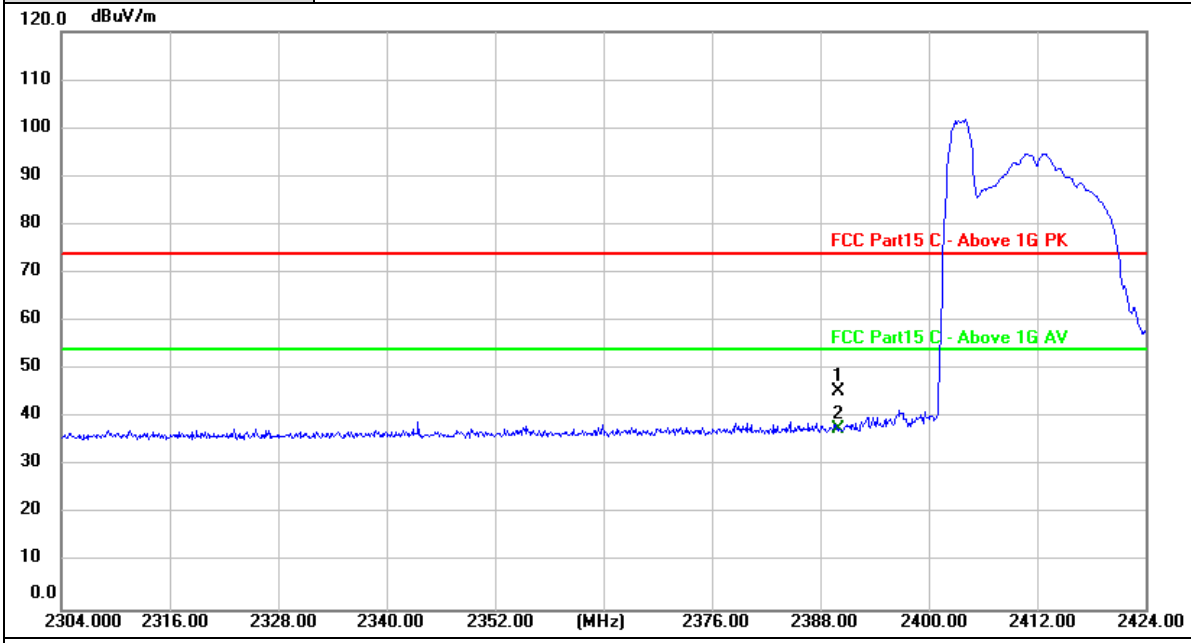
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11n(HT40) Mode 2452MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	22.63	31.48	54.11	74.00	-19.89	peak
2 *	2483.500	6.32	31.48	37.80	54.00	-16.20	AVG

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

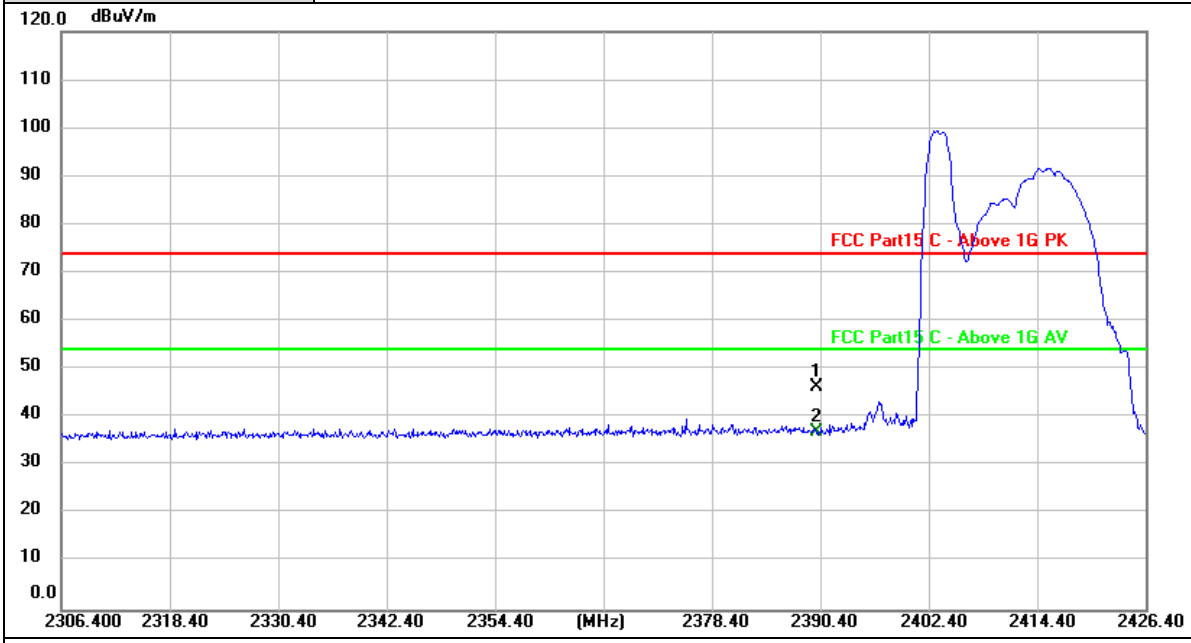
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 26/0



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	14.25	31.31	45.56	74.00	-28.44	peak
2 *	2390.000	6.21	31.31	37.52	54.00	-16.48	AVG

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

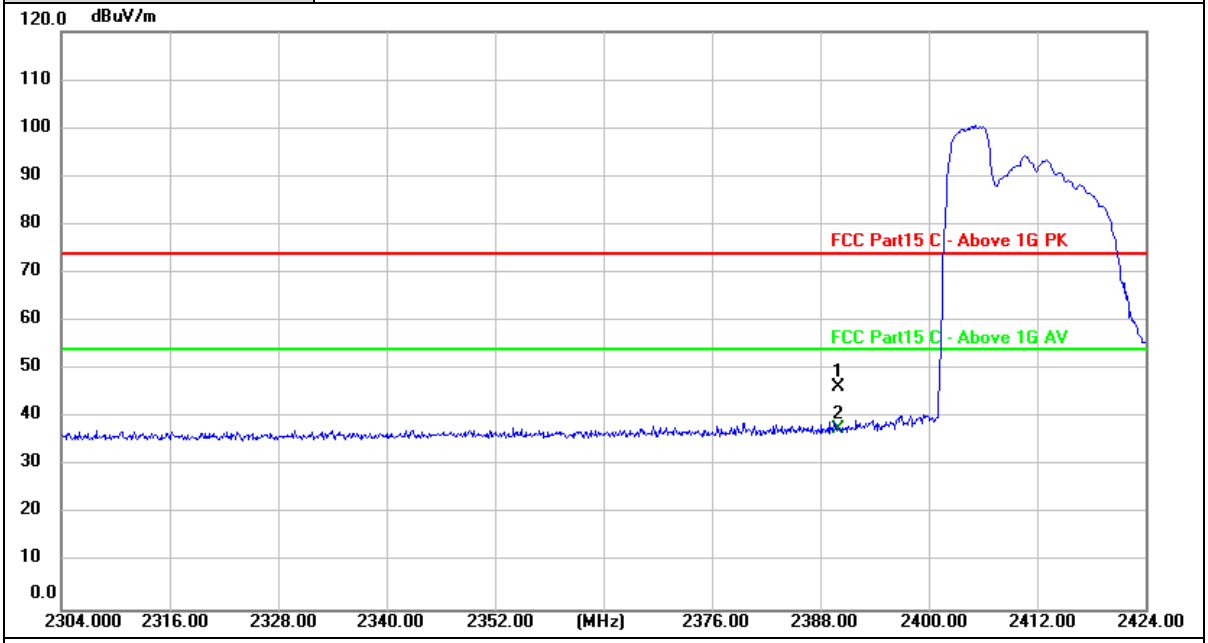
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 26/0



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	14.89	31.31	46.20	74.00	-27.80	peak
2 *	2390.000	5.82	31.31	37.13	54.00	-16.87	AVG

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

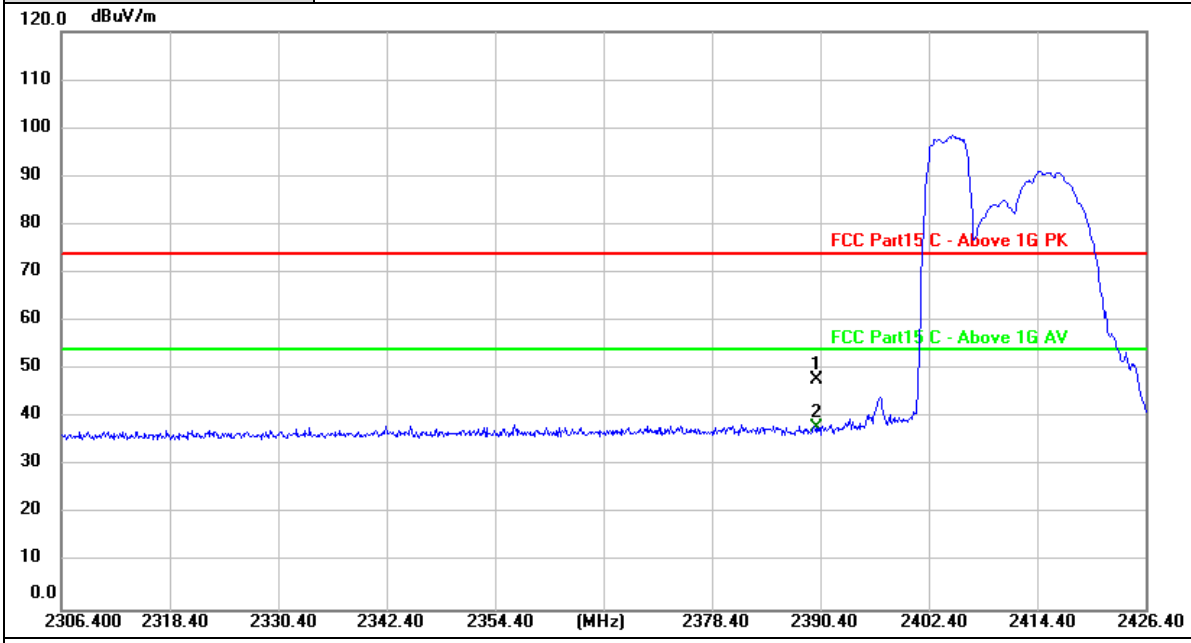
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 52/37



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	14.96	31.31	46.27	74.00	-27.73	peak
2 *	2390.000	6.44	31.31	37.75	54.00	-16.25	AVG

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

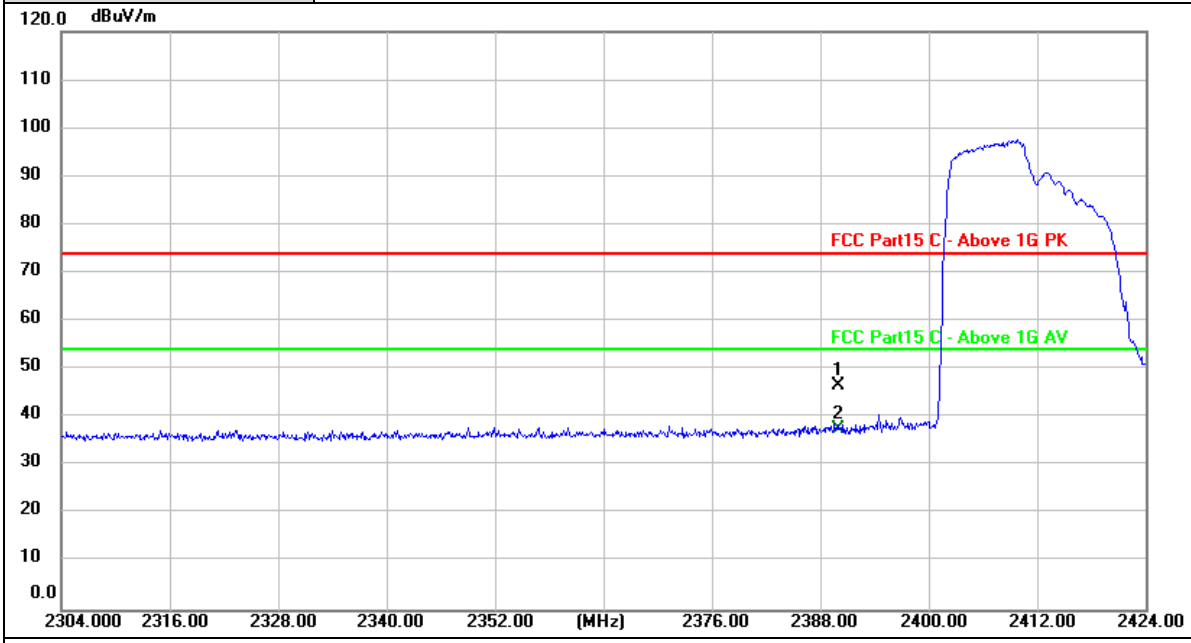
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 52/37



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	16.45	31.31	47.76	74.00	-26.24	peak
2 *	2390.000	6.67	31.31	37.98	54.00	-16.02	AVG

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

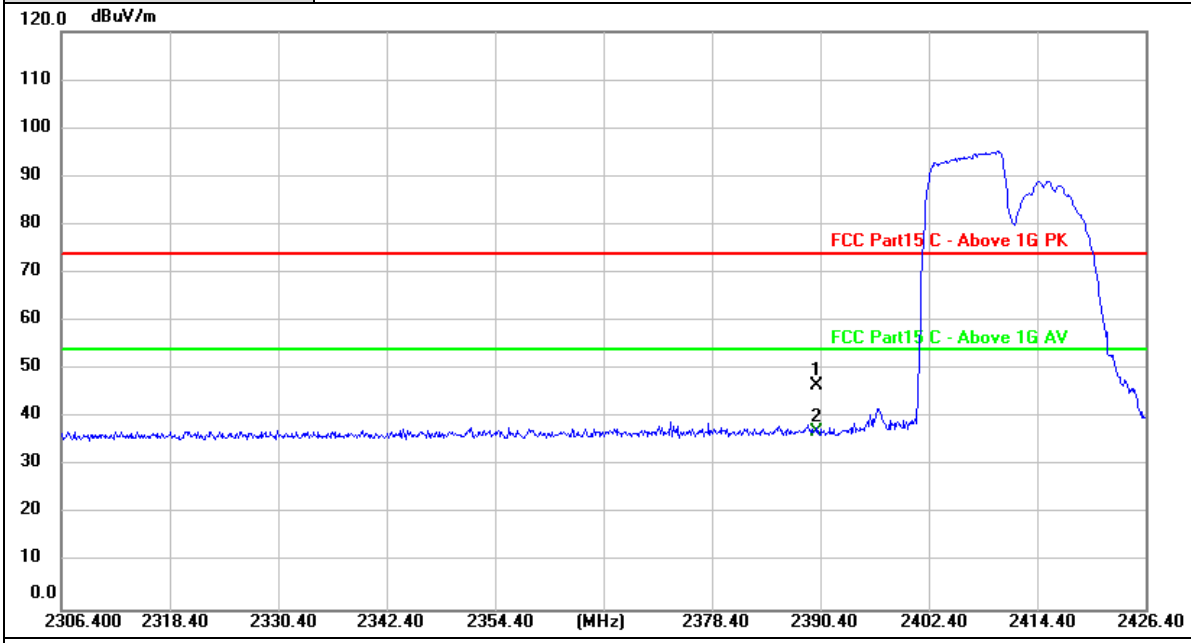
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 106/53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.45	31.31	46.76	74.00	-27.24	peak
2 *	2390.000	6.30	31.31	37.61	54.00	-16.39	AVG

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

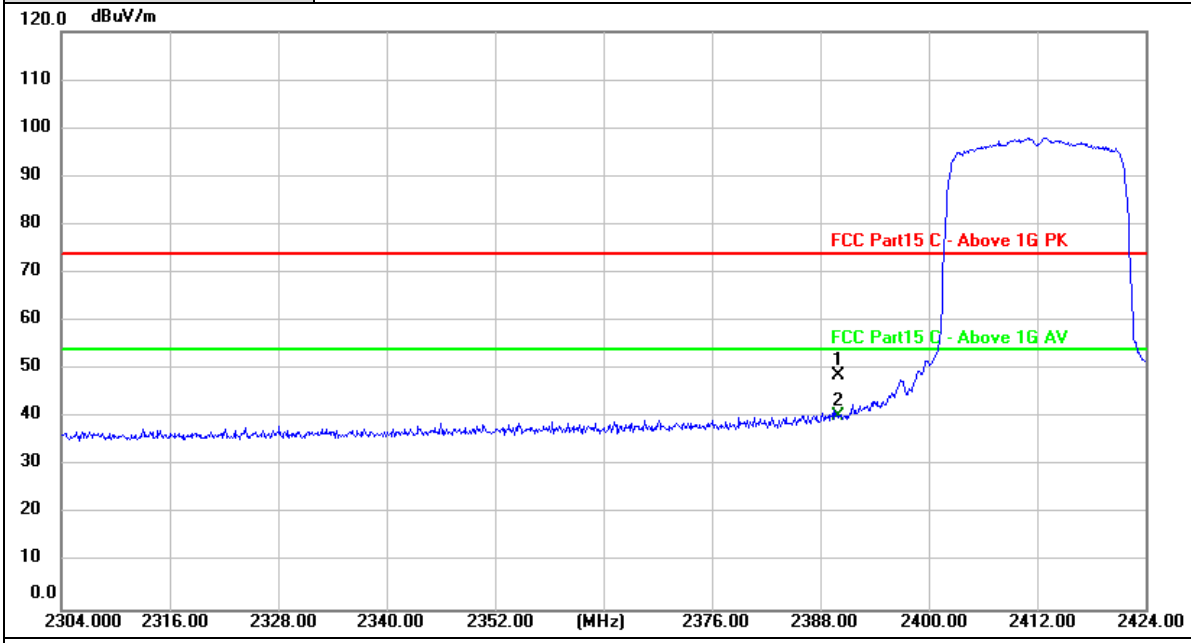
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 106/53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.29	31.31	46.60	74.00	-27.40	peak
2 *	2390.000	5.64	31.31	36.95	54.00	-17.05	AVG

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

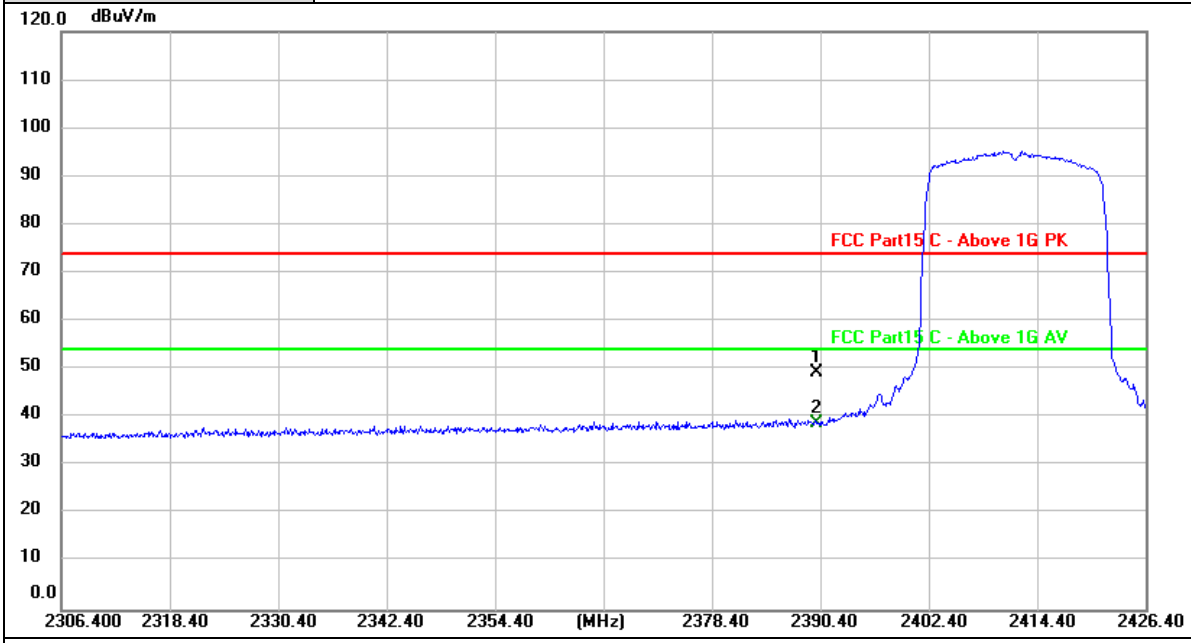
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 242/61



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	17.54	31.31	48.85	74.00	-25.15	peak
2 *	2390.000	9.18	31.31	40.49	54.00	-13.51	AVG

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

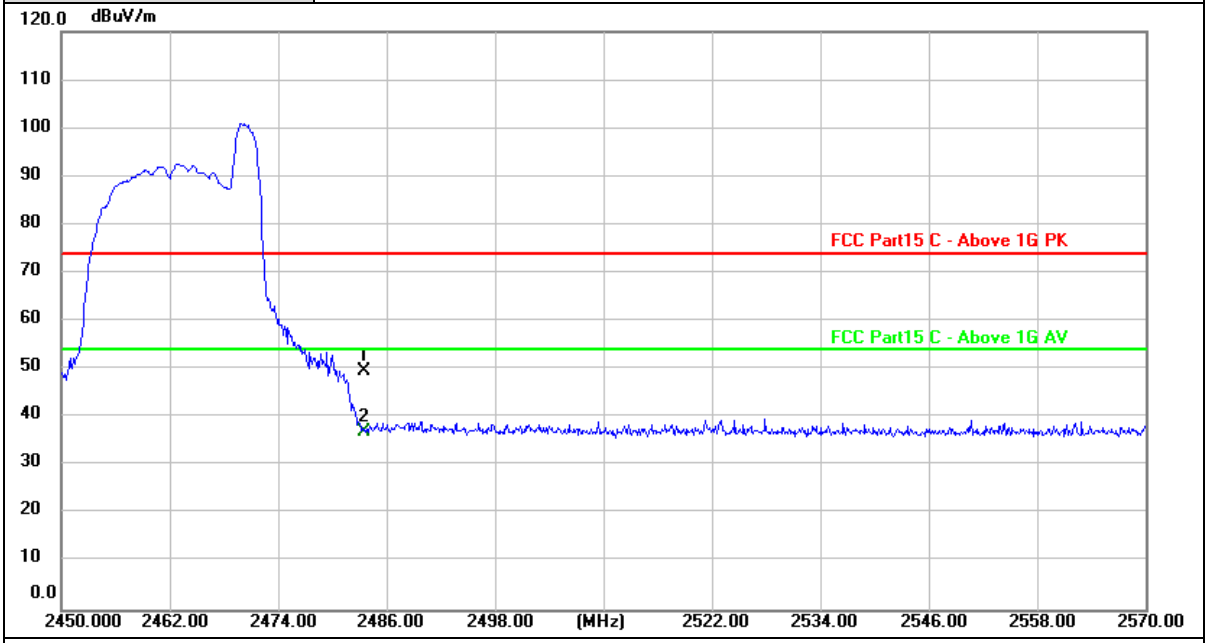
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2412MHz 242/61



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	17.97	31.31	49.28	74.00	-24.72	peak
2 *	2390.000	7.66	31.31	38.97	54.00	-15.03	AVG

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

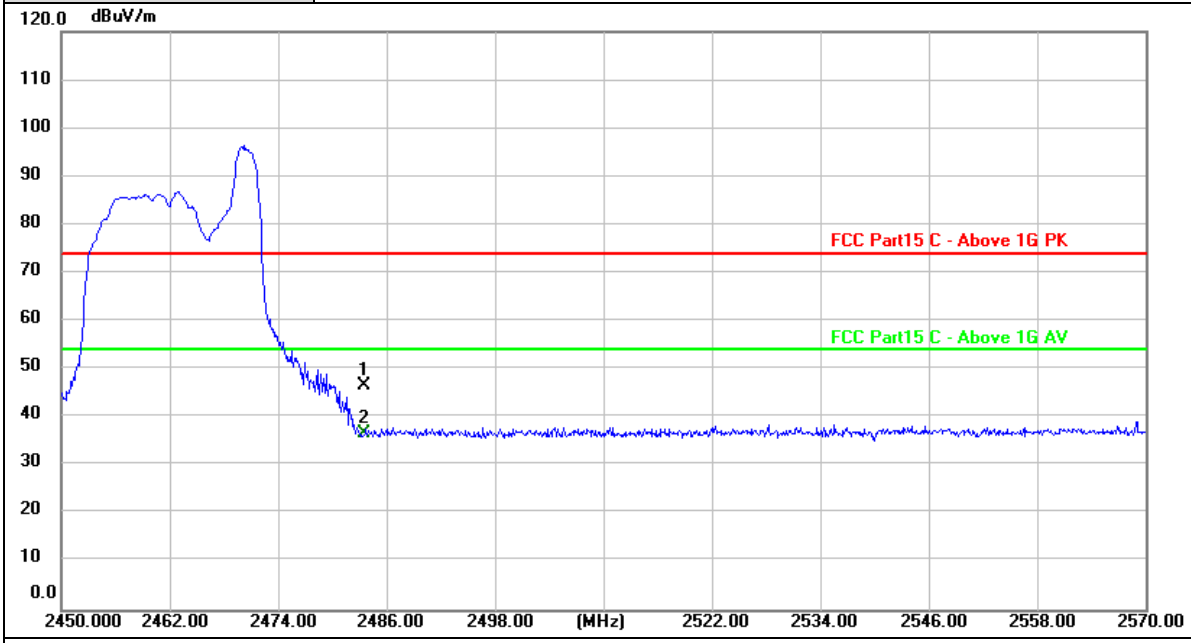
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 26/8



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	18.23	31.48	49.71	74.00	-24.29	peak
2 *	2483.500	5.63	31.48	37.11	54.00	-16.89	AVG

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

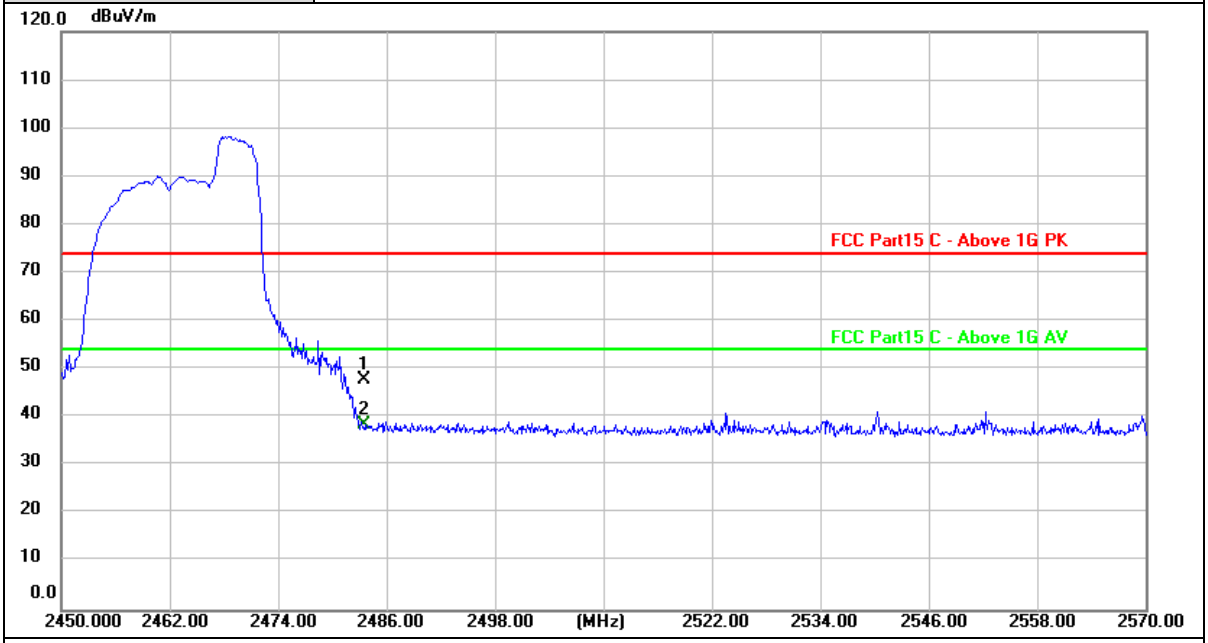
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 26/8



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	15.15	31.48	46.63	74.00	-27.37	peak
2 *	2483.500	5.30	31.48	36.78	54.00	-17.22	AVG

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

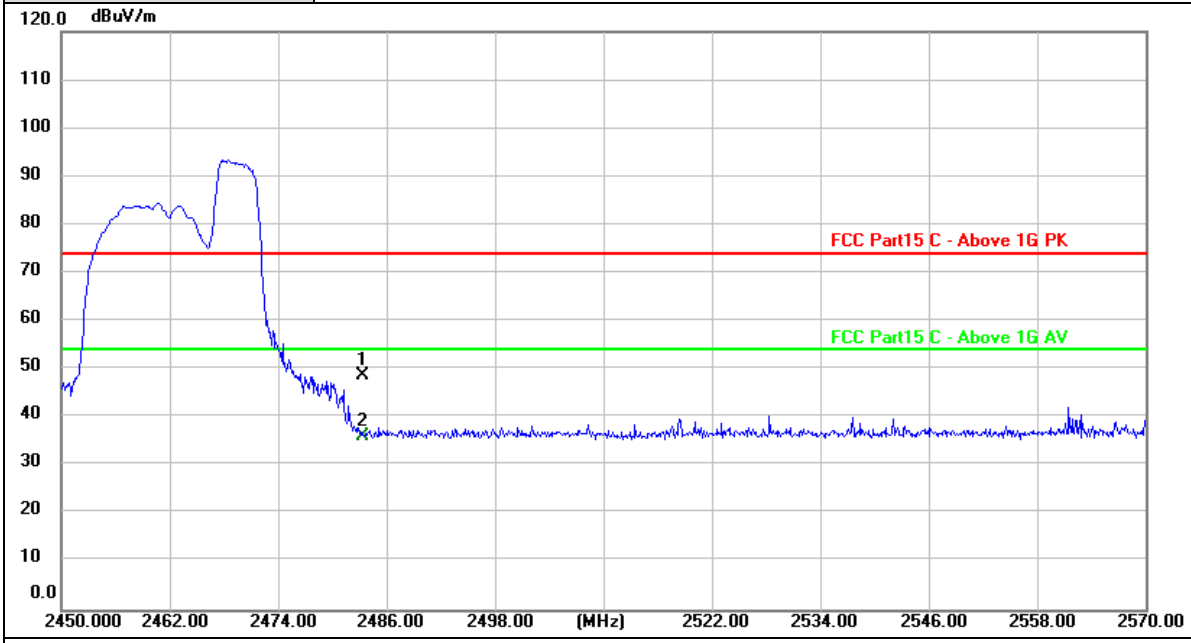
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 52/40



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.51	31.48	47.99	74.00	-26.01	peak
2 *	2483.500	6.95	31.48	38.43	54.00	-15.57	AVG

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

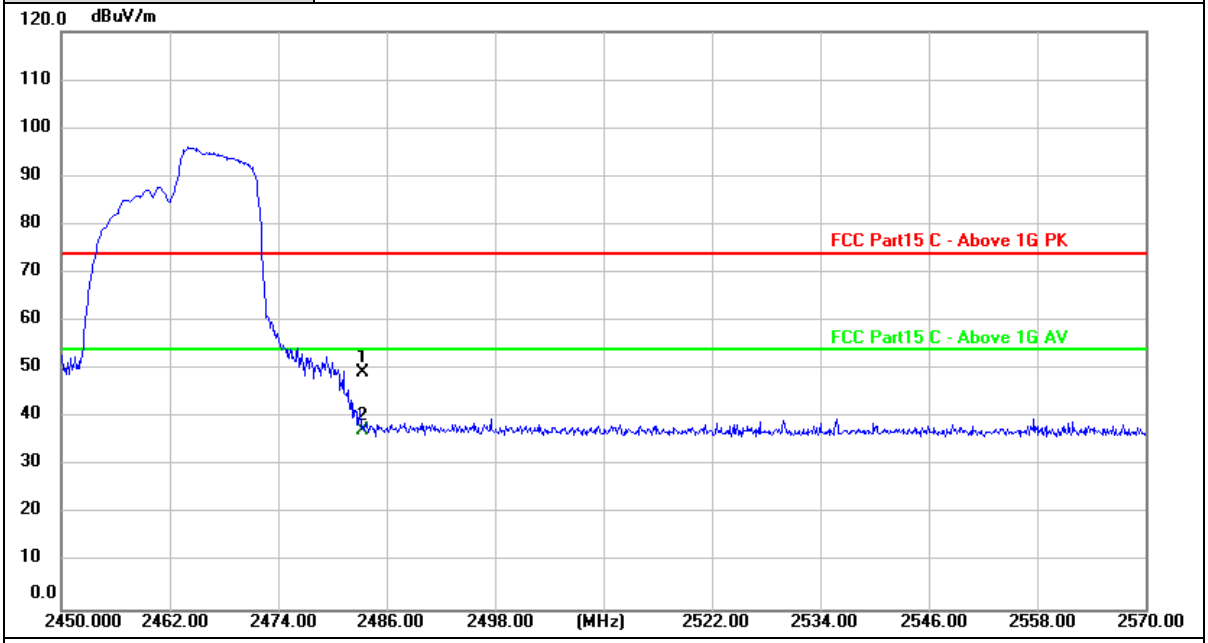
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 52/40



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	17.34	31.48	48.82	74.00	-25.18	peak
2 *	2483.500	4.60	31.48	36.08	54.00	-17.92	AVG

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

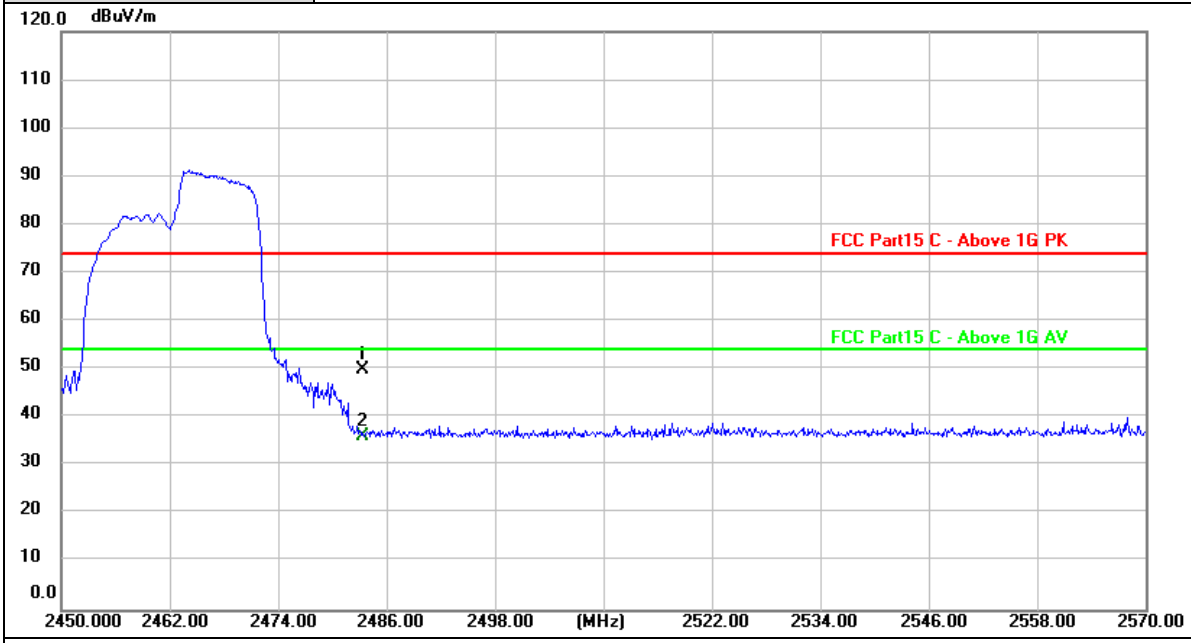
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 106/54



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	17.81	31.48	49.29	74.00	-24.71	peak
2 *	2483.500	5.73	31.48	37.21	54.00	-16.79	AVG

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

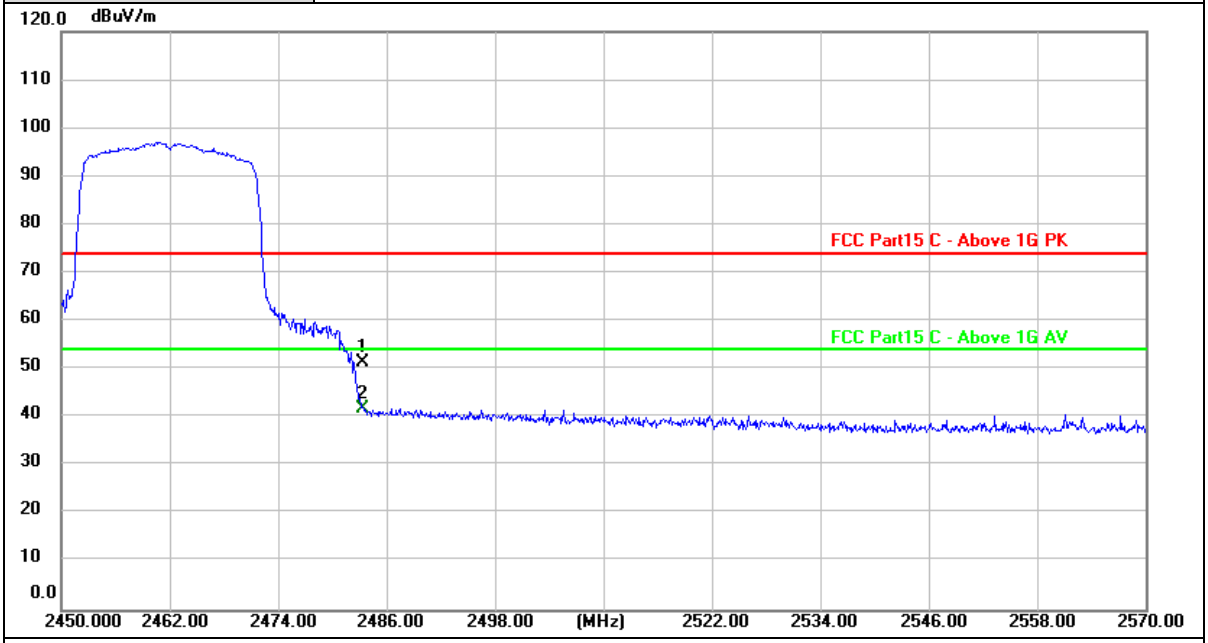
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 106/54



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	18.55	31.48	50.03	74.00	-23.97	peak
2 *	2483.500	4.78	31.48	36.26	54.00	-17.74	AVG

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

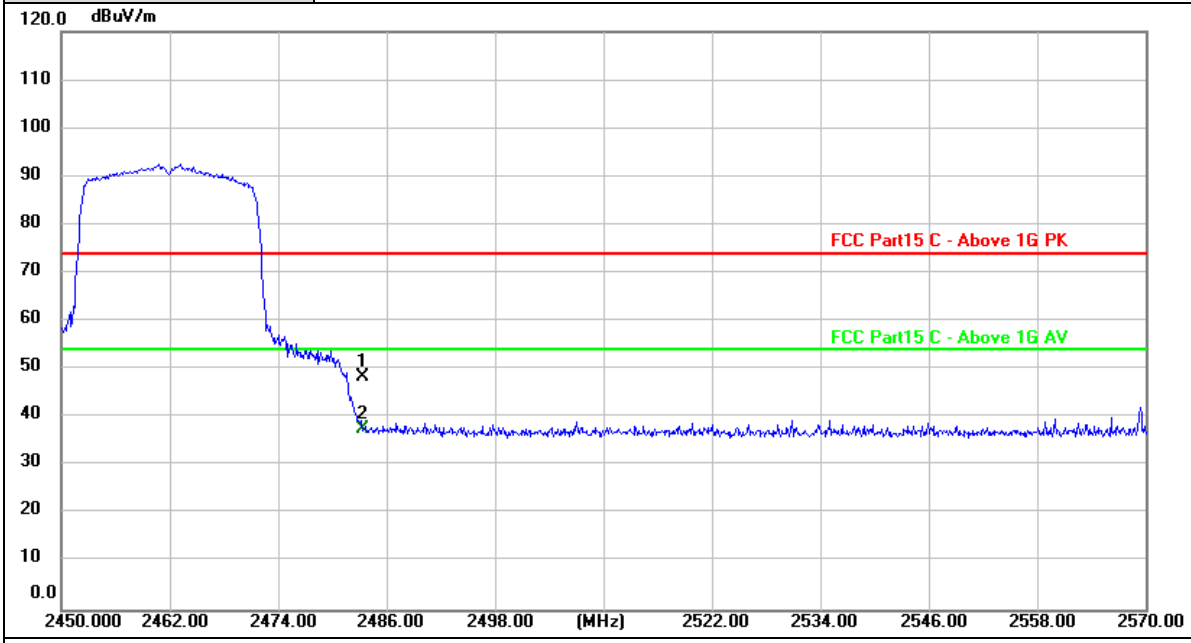
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 242/61



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	20.01	31.48	51.49	74.00	-22.51	peak
2 *	2483.500	10.26	31.48	41.74	54.00	-12.26	AVG

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

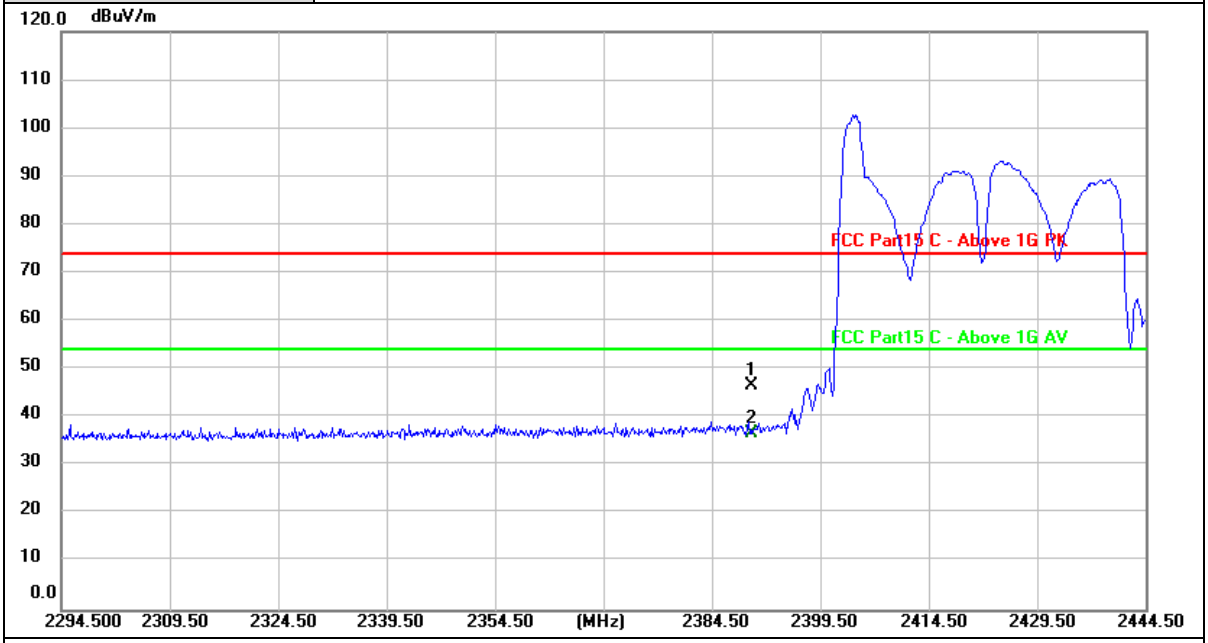
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE20) Mode 2462MHz 242/61



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.97	31.48	48.45	74.00	-25.55	peak
2 *	2483.500	6.06	31.48	37.54	54.00	-16.46	AVG

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

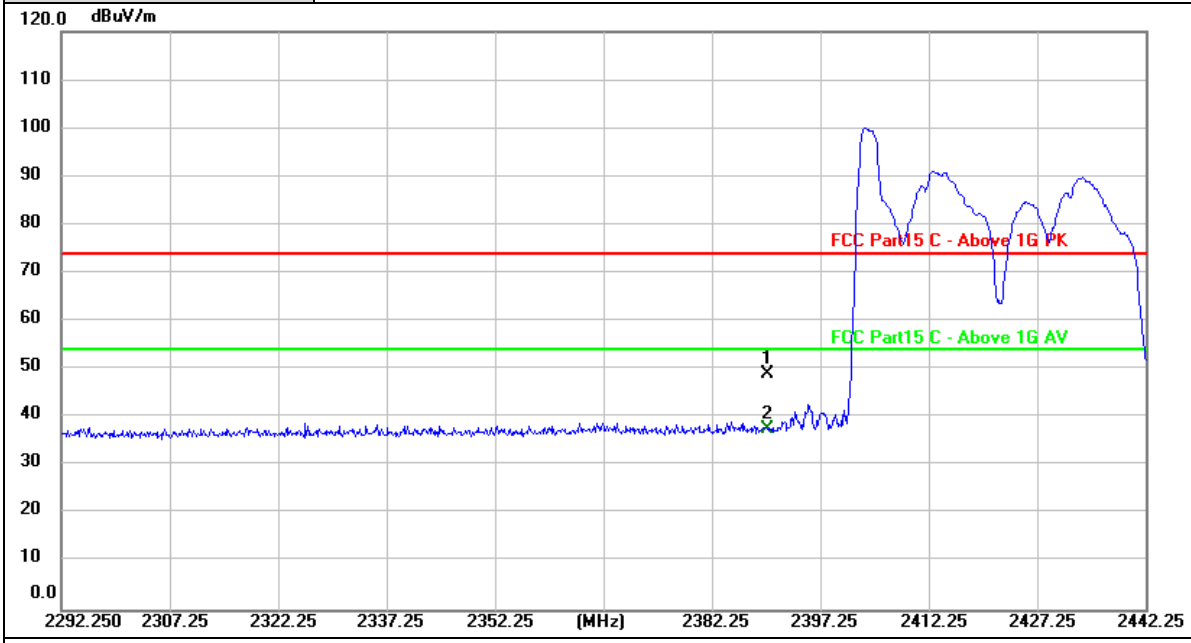
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 26/0



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.47	31.31	46.78	74.00	-27.22	peak
2 *	2390.000	5.55	31.31	36.86	54.00	-17.14	AVG

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

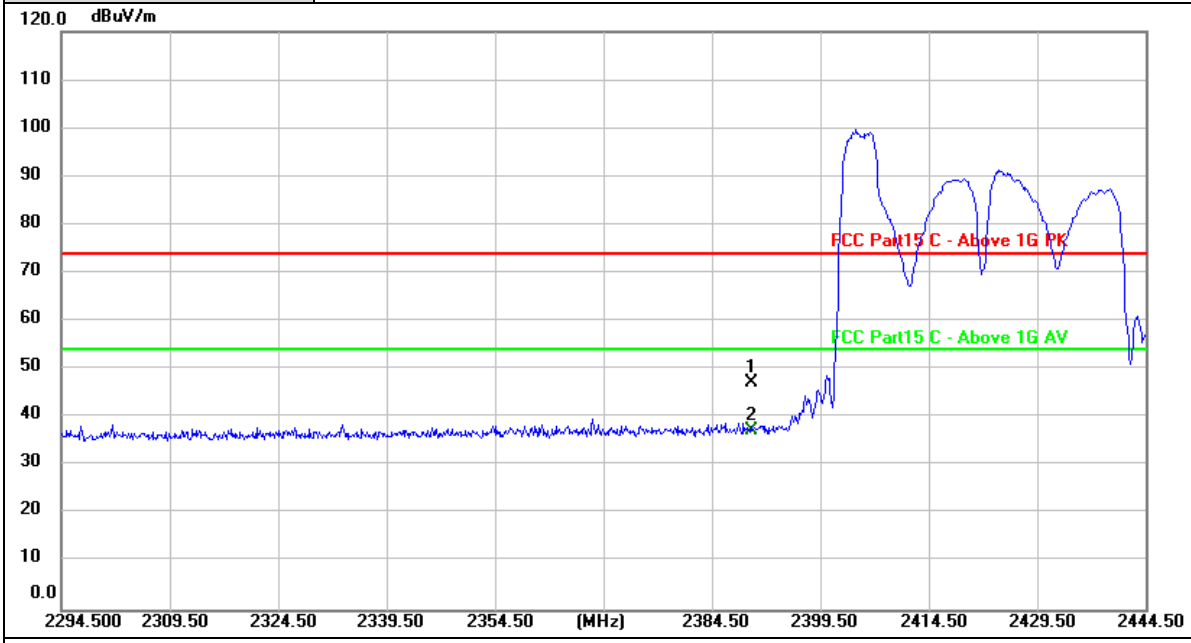
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 26/0



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	17.69	31.31	49.00	74.00	-25.00	peak
2 *	2390.000	6.44	31.31	37.75	54.00	-16.25	AVG

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

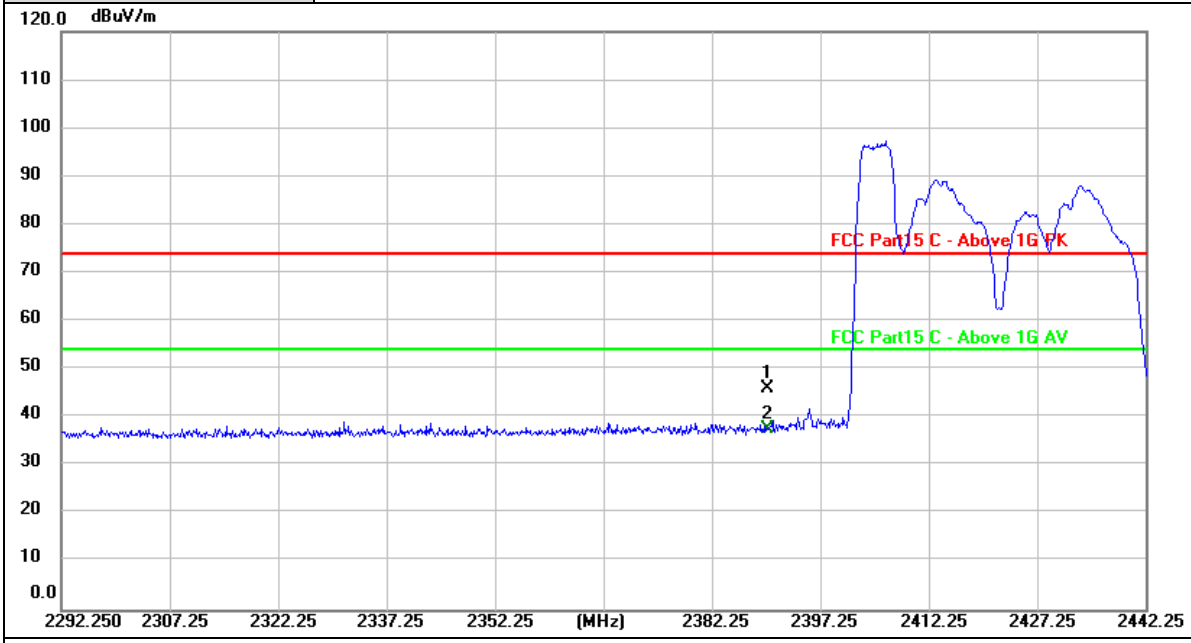
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 52/37



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.81	31.31	47.12	74.00	-26.88	peak
2 *	2390.000	5.99	31.31	37.30	54.00	-16.70	AVG

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

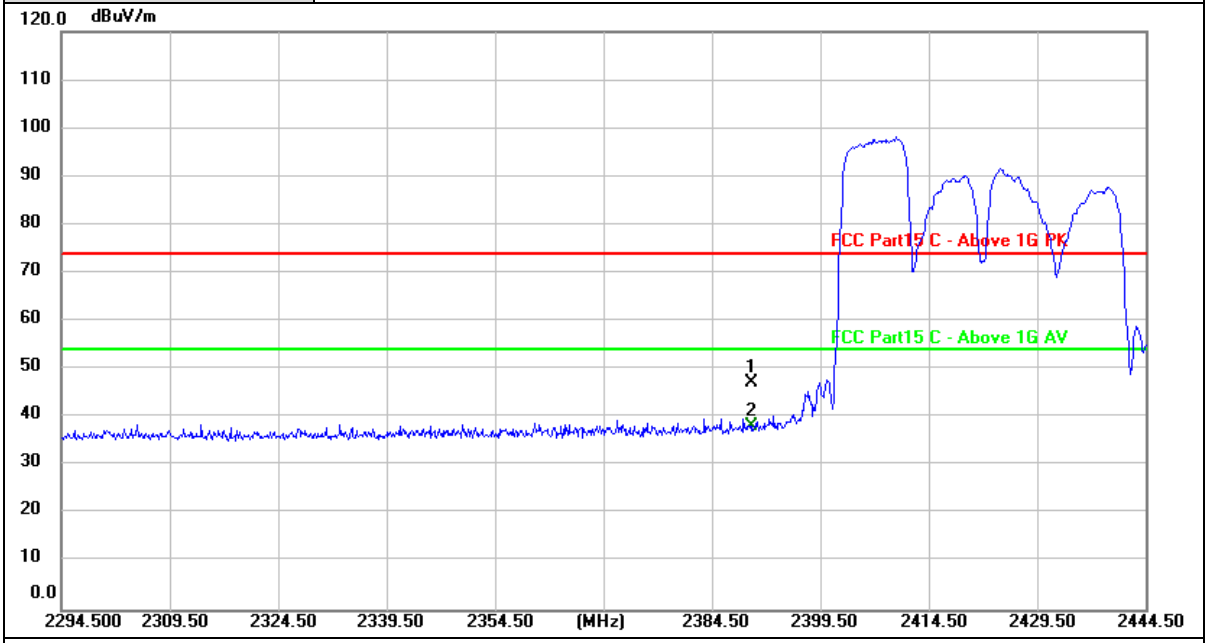
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 52/37



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	14.75	31.31	46.06	74.00	-27.94	peak
2 *	2390.000	6.35	31.31	37.66	54.00	-16.34	AVG

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

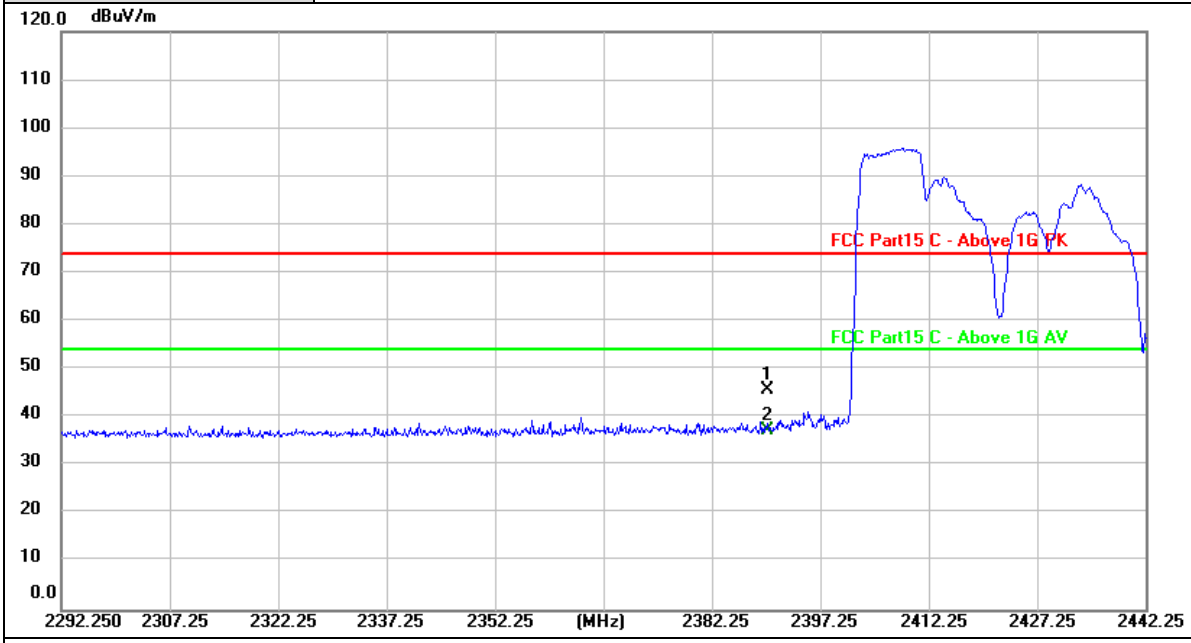
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 106/53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	16.05	31.31	47.36	74.00	-26.64	peak
2 *	2390.000	6.98	31.31	38.29	54.00	-15.71	AVG

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

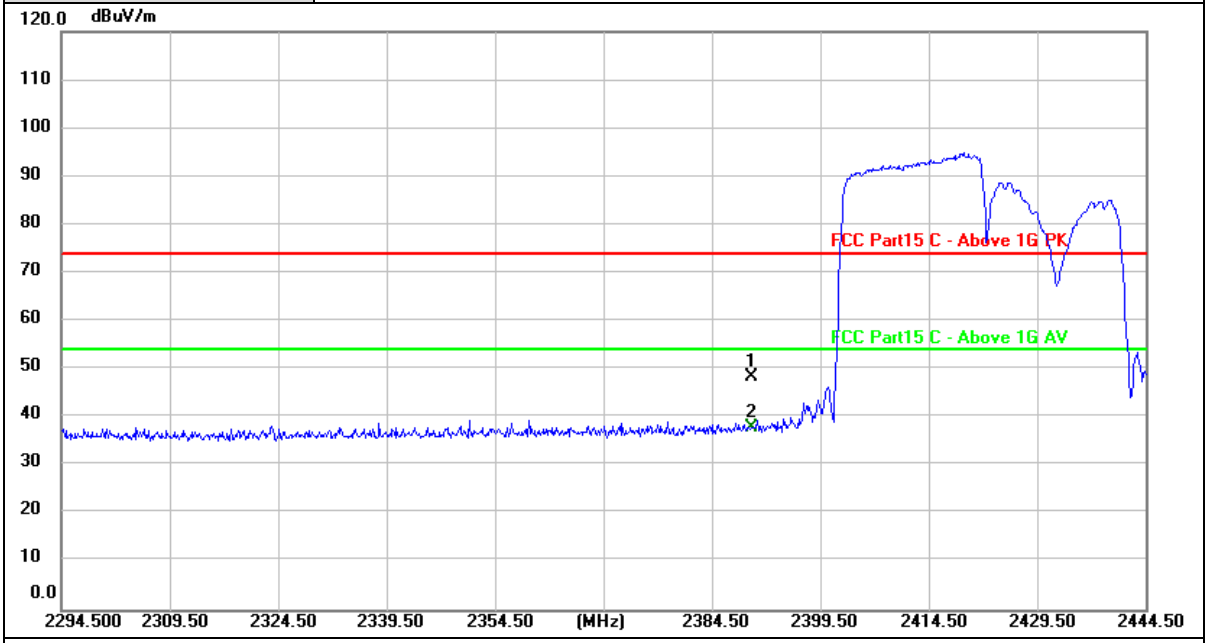
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 106/53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	14.38	31.31	45.69	74.00	-28.31	peak
2 *	2390.000	5.90	31.31	37.21	54.00	-16.79	AVG

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

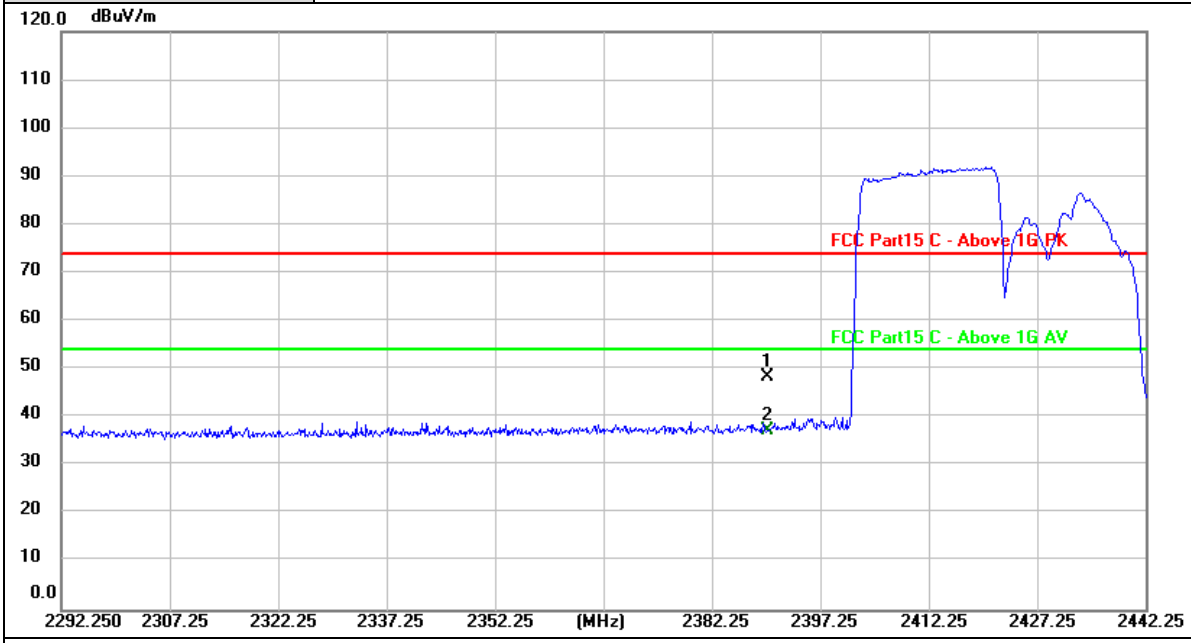
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 242/61



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	17.03	31.31	48.34	74.00	-25.66	peak
2 *	2390.000	6.76	31.31	38.07	54.00	-15.93	AVG

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

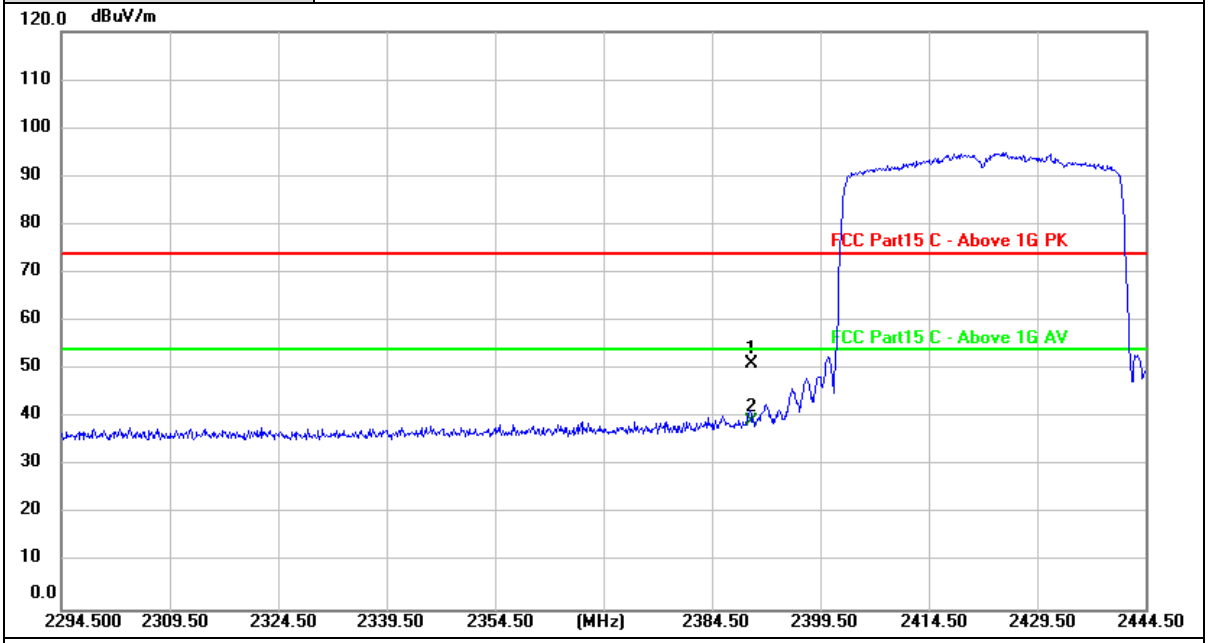
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 242/61



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	17.02	31.31	48.33	74.00	-25.67	peak
2 *	2390.000	5.93	31.31	37.24	54.00	-16.76	AVG

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

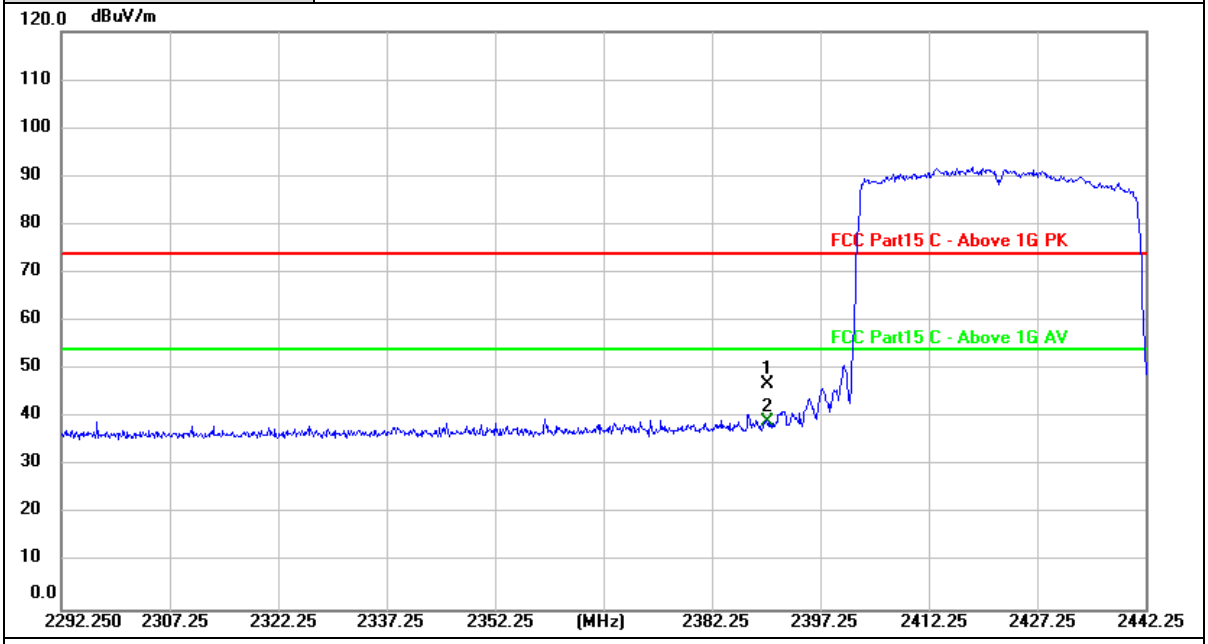
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 484/65



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	19.71	31.31	51.02	74.00	-22.98	peak
2 *	2390.000	7.75	31.31	39.06	54.00	-14.94	AVG

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

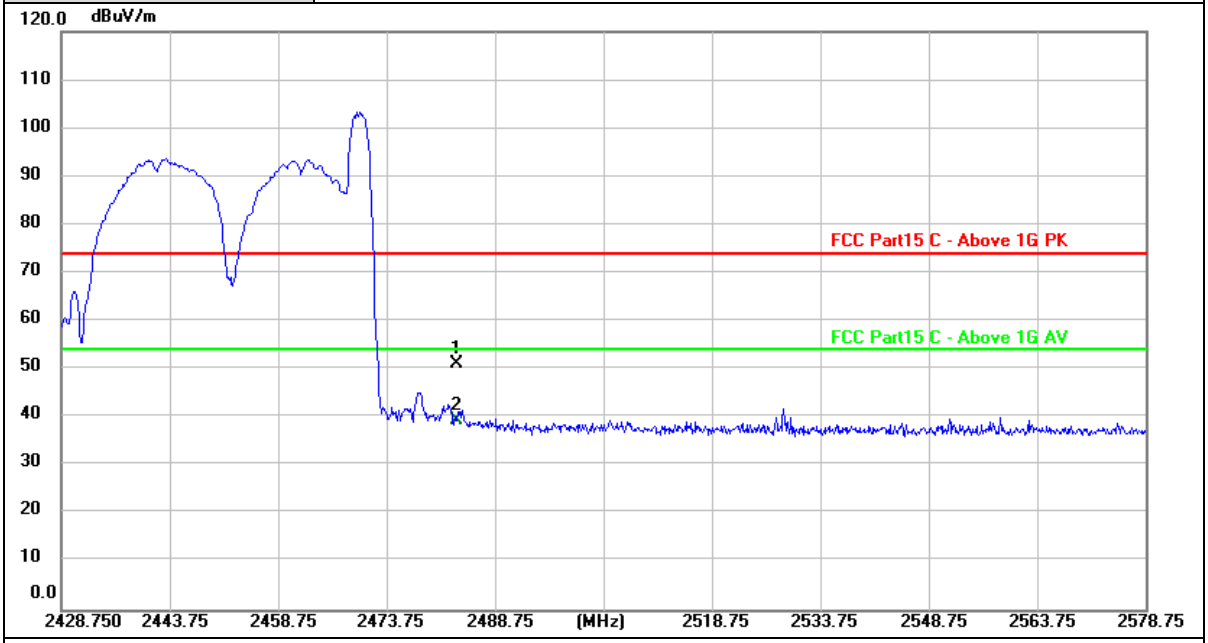
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2422MHz 484/65



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	15.67	31.31	46.98	74.00	-27.02	peak
2 *	2390.000	7.98	31.31	39.29	54.00	-14.71	AVG

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

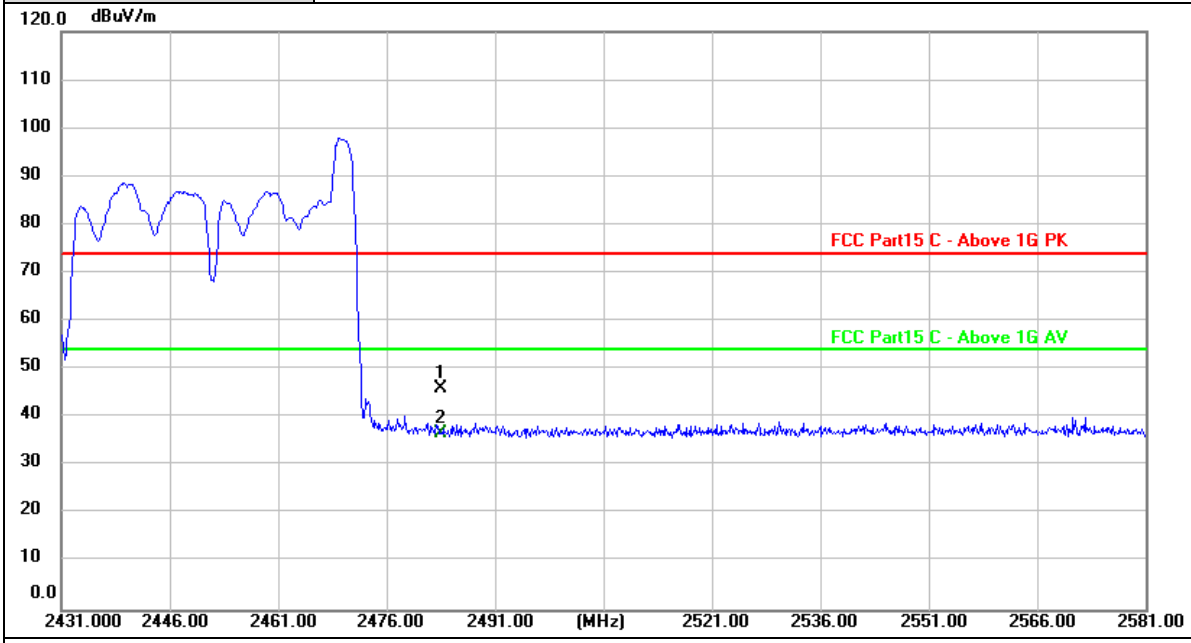
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 26/17



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.70	31.48	51.18	74.00	-22.82	peak
2 *	2483.500	8.04	31.48	39.52	54.00	-14.48	AVG

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

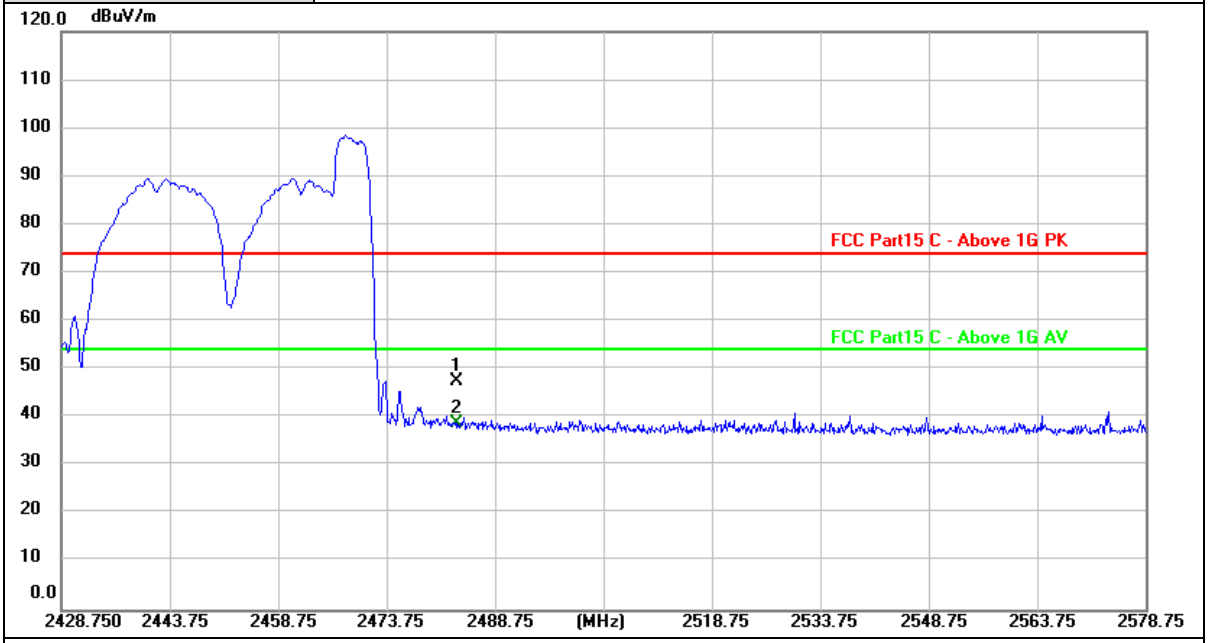
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 26/17



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	14.66	31.48	46.14	74.00	-27.86	peak
2 *	2483.500	5.13	31.48	36.61	54.00	-17.39	AVG

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

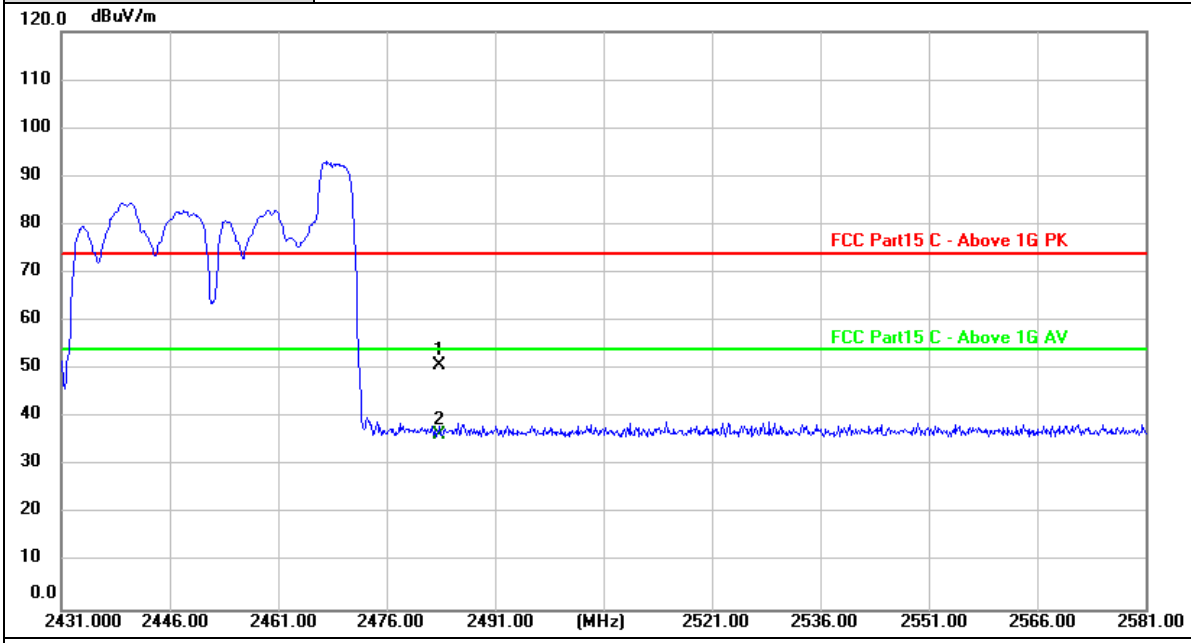
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 52/44



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	16.03	31.48	47.51	74.00	-26.49	peak
2 *	2483.500	7.50	31.48	38.98	54.00	-15.02	AVG

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

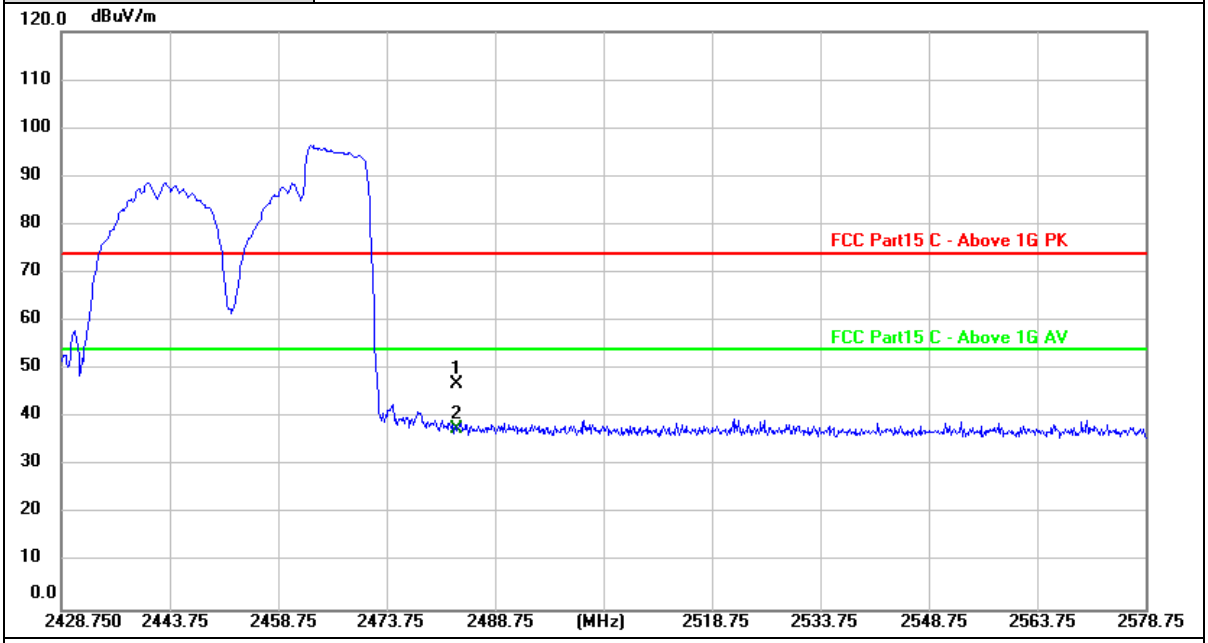
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 52/44



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	19.33	31.48	50.81	74.00	-23.19	peak
2 *	2483.500	4.98	31.48	36.46	54.00	-17.54	AVG

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

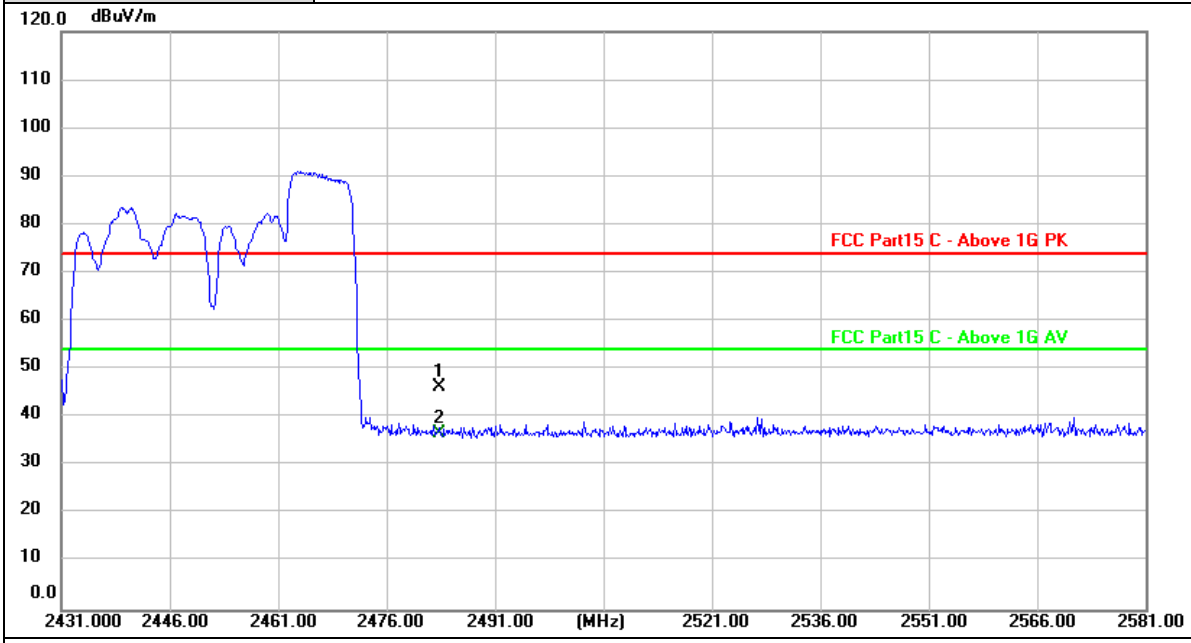
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 106/56



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	15.35	31.48	46.83	74.00	-27.17	peak
2 *	2483.500	6.11	31.48	37.59	54.00	-16.41	AVG

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

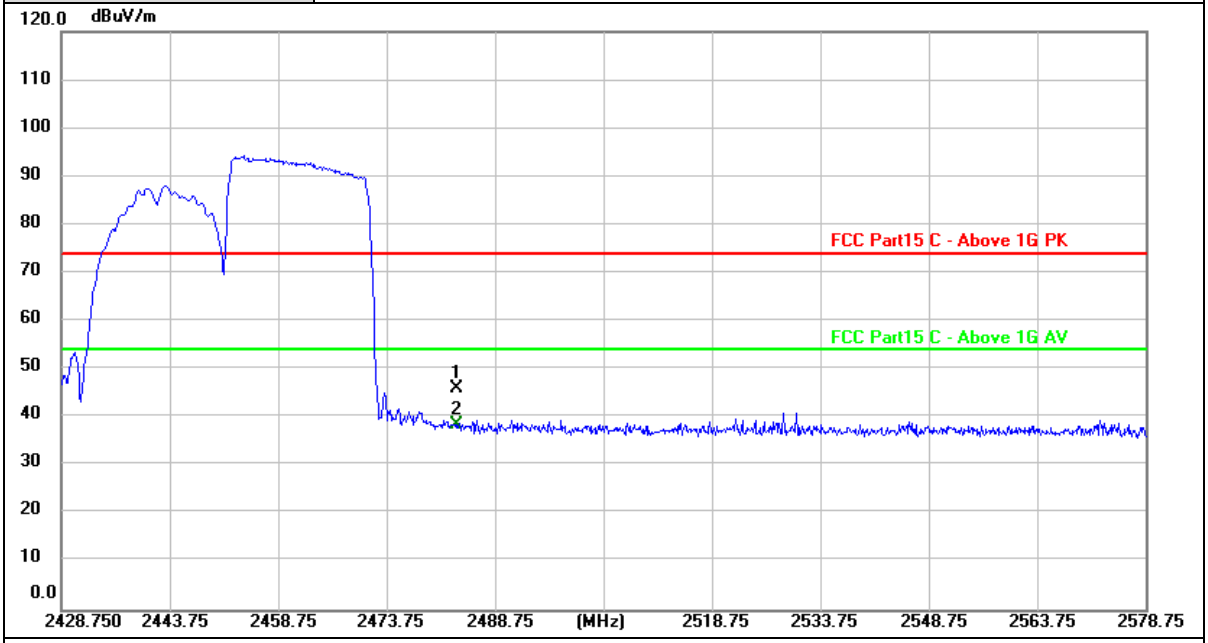
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 106/56



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	14.99	31.48	46.47	74.00	-27.53	peak
2 *	2483.500	5.23	31.48	36.71	54.00	-17.29	AVG

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

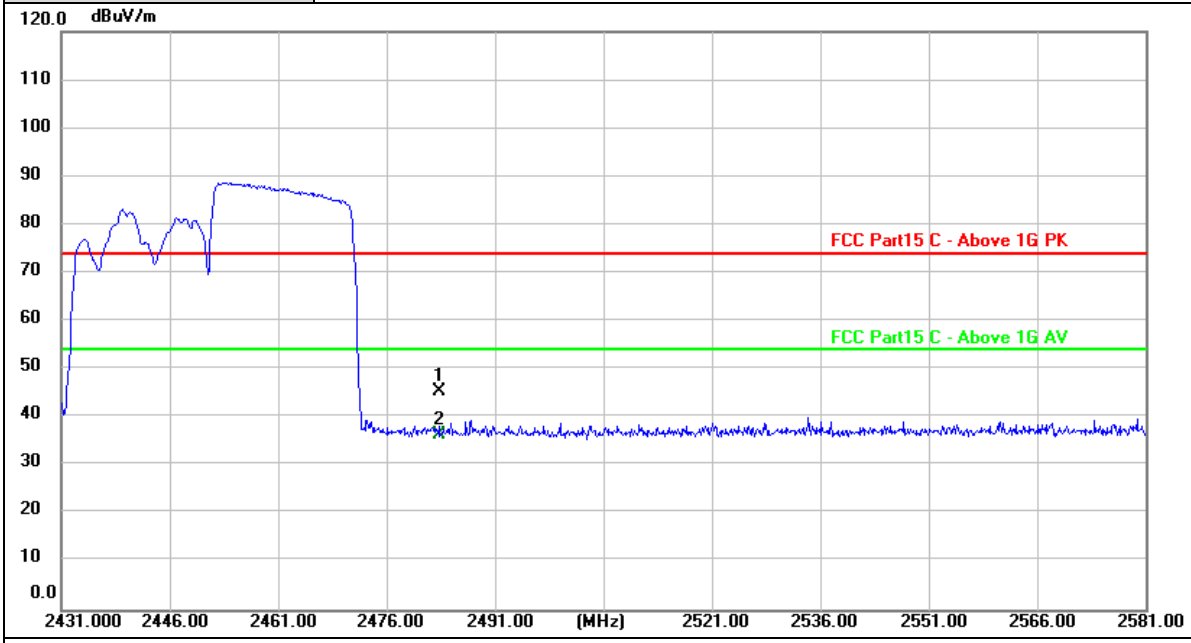
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 242/62



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	14.68	31.48	46.16	74.00	-27.84	peak
2 *	2483.500	7.16	31.48	38.64	54.00	-15.36	AVG

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

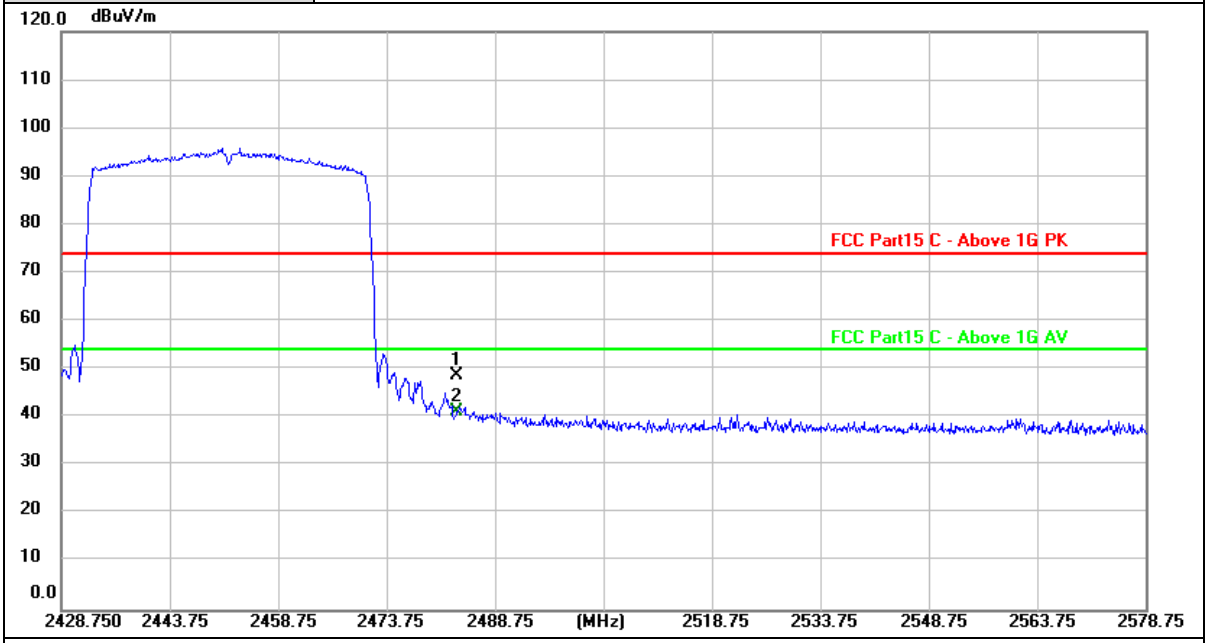
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Vertical
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 242/62



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	13.93	31.48	45.41	74.00	-28.59	peak
2 *	2483.500	5.03	31.48	36.51	54.00	-17.49	AVG

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

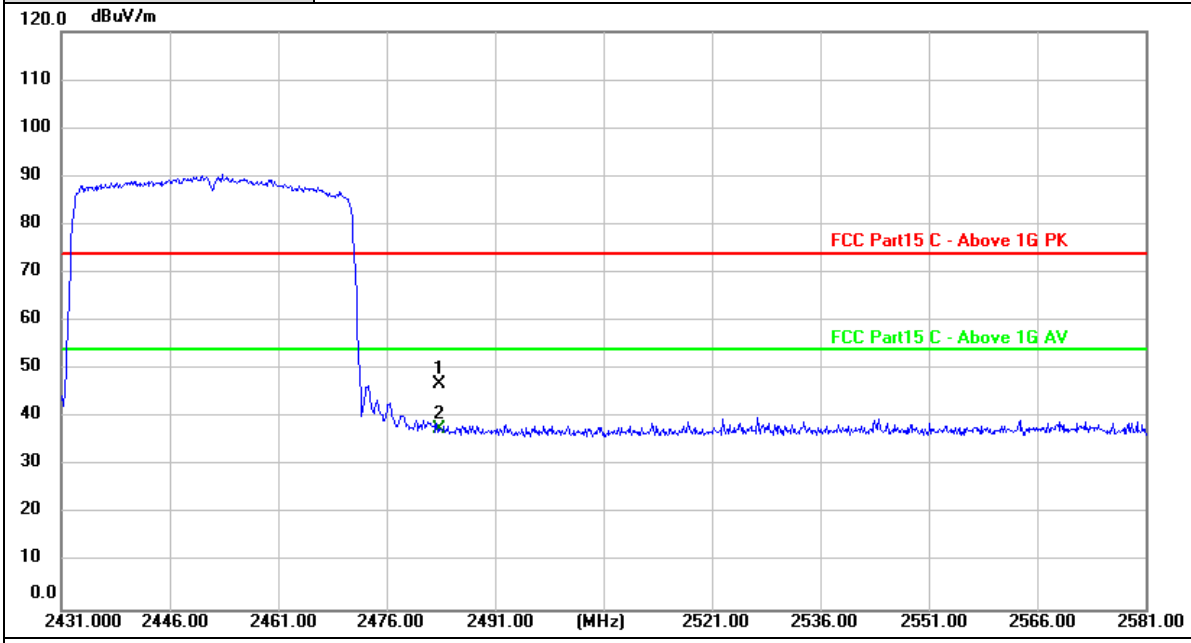
Ant. No.	Ant 1 + Ant 2
Ant. Pol.	Horizontal
Test Mode:	TX 802.11ax(HE40) Mode 2452MHz 484/65



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	17.39	31.48	48.87	74.00	-25.13	peak
2 *	2483.500	9.88	31.48	41.36	54.00	-12.64	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 484/65



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	15.47	31.48	46.95	74.00	-27.05	peak
2 *	2483.500	6.05	31.48	37.53	54.00	-16.47	AVG

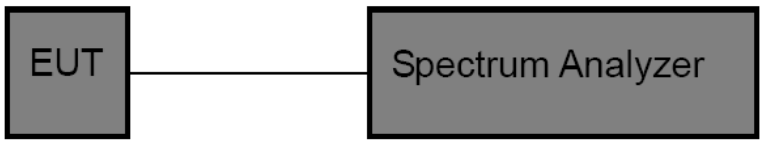
Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

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	9.34	-39.37	≤-20.66	PASS
	Ant2	Low	2412	9.33	-38.85	≤-20.67	PASS
	Ant3	Low	2412	9.61	-38.67	≤-20.39	PASS
	Ant4	Low	2412	10.43	-39.23	≤-19.57	PASS
	Ant1	High	2462	11.84	-46.88	≤-18.16	PASS
	Ant2	High	2462	9.27	-54.43	≤-20.73	PASS
	Ant3	High	2462	9.22	-53.49	≤-20.78	PASS
	Ant4	High	2462	10.17	-51.26	≤-19.83	PASS
11G	Ant1	Low	2412	7.10	-34.99	≤-22.9	PASS
	Ant2	Low	2412	6.59	-35.13	≤-23.41	PASS
	Ant3	Low	2412	3.98	-35.9	≤-26.02	PASS
	Ant4	Low	2412	6.80	-35.67	≤-23.2	PASS
	Ant1	High	2462	6.15	-48.08	≤-23.85	PASS
	Ant2	High	2462	5.79	-50.16	≤-24.21	PASS
	Ant3	High	2462	6.76	-48.86	≤-23.24	PASS
	Ant4	High	2462	3.79	-49.78	≤-26.21	PASS
11N20MIMO	Ant1	Low	2412	-0.98	-32.9	≤-30.98	PASS
	Ant2	Low	2412	-0.56	-37.35	≤-30.56	PASS
	Ant3	Low	2412	-2.47	-44.18	≤-32.47	PASS
	Ant4	Low	2412	-0.71	-45.59	≤-30.71	PASS
	Ant1	High	2462	0.61	-53.17	≤-29.39	PASS
	Ant2	High	2462	-1.88	-53.81	≤-31.88	PASS
	Ant3	High	2462	-0.13	-40.74	≤-30.13	PASS
	Ant4	High	2462	-2.28	-53.82	≤-32.28	PASS
11N40MIMO	Ant1	Low	2422	-4.53	-44.04	≤-34.53	PASS
	Ant2	Low	2422	-2.07	-38.21	≤-32.07	PASS
	Ant3	Low	2422	-2.38	-40.66	≤-32.38	PASS
	Ant4	Low	2422	-2.41	-42.74	≤-32.41	PASS
	Ant1	High	2452	-3.42	-51.08	≤-33.42	PASS
	Ant2	High	2452	-2.52	-34.22	≤-32.52	PASS
	Ant3	High	2452	-3.18	-46.03	≤-33.18	PASS
	Ant4	High	2452	-2.40	-45.54	≤-32.4	PASS

TestMode	Antenna	ChName	Freq(MHz)	Ru Size	Ru Index	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant1	Low	2412	26Tone	RU0	3.21	-48.68	≤-26.79	PASS
				52Tone	RU37	3.10	-33.95	≤-26.9	PASS
				106Tone	RU53	0.57	-47.58	≤-29.43	PASS
				242Tone	RU61	-1.01	-47.08	≤-31.01	PASS
	Ant2	Low	2412	26Tone	RU0	4.34	-35.26	≤-25.66	PASS
				52Tone	RU37	3.82	-45.35	≤-26.18	PASS
				106Tone	RU53	-0.12	-47.07	≤-30.12	PASS
				242Tone	RU61	-1.18	-47.2	≤-31.18	PASS
	Ant3	Low	2412	26Tone	RU0	3.73	-37.6	≤-26.27	PASS
				52Tone	RU37	2.11	-44.42	≤-27.89	PASS
				106Tone	RU53	-0.30	-48.46	≤-30.3	PASS
				242Tone	RU61	-1.40	-46.96	≤-31.4	PASS
	Ant4	Low	2412	26Tone	RU0	4.35	-48.33	≤-25.65	PASS
				52Tone	RU37	2.80	-46.32	≤-27.2	PASS
				106Tone	RU53	0.06	-49.85	≤-29.94	PASS
				242Tone	RU61	1.21	-44.05	≤-28.79	PASS
	Ant1	High	2462	26Tone	RU8	4.89	-53.58	≤-25.11	PASS
				52Tone	RU40	1.78	-54.13	≤-28.22	PASS
				106Tone	RU54	-0.17	-54.78	≤-30.17	PASS
				242Tone	RU61	-1.51	-54.66	≤-31.51	PASS
	Ant2	High	2462	26Tone	RU8	2.54	-39.2	≤-27.46	PASS
				52Tone	RU40	0.21	-47.97	≤-29.79	PASS
				106Tone	RU54	-1.42	-54.96	≤-31.42	PASS
				242Tone	RU61	-1.39	-49.65	≤-31.39	PASS
	Ant3	High	2462	26Tone	RU8	2.57	-44.48	≤-27.43	PASS
				52Tone	RU40	1.59	-51.67	≤-28.41	PASS
				106Tone	RU54	-1.52	-55.84	≤-31.52	PASS
				242Tone	RU61	-1.17	-51.85	≤-31.17	PASS
	Ant4	High	2462	26Tone	RU8	3.34	-35.88	≤-26.66	PASS
				52Tone	RU40	0.87	-42.37	≤-29.13	PASS
				106Tone	RU54	-1.56	-46.82	≤-31.56	PASS
				242Tone	RU61	-1.38	-38.43	≤-31.38	PASS
11AX40MIMO	Ant1	Low	2422	26Tone	RU0	4.58	-35.44	≤-25.42	PASS
				52Tone	RU37	1.60	-47.18	≤-28.4	PASS
				106Tone	RU53	-1.01	-32.93	≤-31.01	PASS
				242Tone	RU61	-3.81	-38.1	≤-33.81	PASS
				484Tone	RU65	-3.09	-48.55	≤-33.09	PASS
	Ant2	Low	2422	26Tone	RU0	4.74	-41.11	≤-25.26	PASS
				52Tone	RU37	2.34	-35.86	≤-27.66	PASS
				106Tone	RU53	-1.14	-42.6	≤-31.14	PASS
				242Tone	RU61	-4.36	-47.59	≤-34.36	PASS
				484Tone	RU65	-3.20	-43.92	≤-33.2	PASS
	Ant3	Low	2422	26Tone	RU0	5.77	-42	≤-24.23	PASS
				52Tone	RU37	2.49	-44.22	≤-27.51	PASS
				106Tone	RU53	-0.55	-45.34	≤-30.55	PASS
				242Tone	RU61	-4.33	-49.43	≤-34.33	PASS
				484Tone	RU65	-3.22	-47.57	≤-33.22	PASS
	Ant4	Low	2422	26Tone	RU0	3.57	-48.59	≤-26.43	PASS
				52Tone	RU37	1.05	-48.98	≤-28.95	PASS
				106Tone	RU53	-2.35	-50.29	≤-32.35	PASS
				242Tone	RU61	-3.34	-48.12	≤-33.34	PASS
				484Tone	RU65	-3.08	-48.81	≤-33.08	PASS
	Ant1	High	2452	26Tone	RU17	4.71	-30.24	≤-25.29	PASS
				52Tone	RU44	0.59	-55.17	≤-29.41	PASS
				106Tone	RU56	-0.88	-54.58	≤-30.88	PASS
				242Tone	RU62	-3.90	-54.94	≤-33.9	PASS
				484Tone	RU65	-2.74	-53.63	≤-32.74	PASS
	Ant2	High	2452	26Tone	RU17	2.34	-36.92	≤-27.66	PASS
				52Tone	RU44	-1.08	-41.75	≤-31.08	PASS
				106Tone	RU56	-1.79	-41.29	≤-31.79	PASS
				242Tone	RU62	-4.45	-46.4	≤-34.45	PASS
				484Tone	RU65	-3.32	-40.31	≤-33.32	PASS

	Ant3	High	2452	26Tone	RU17	3.82	-38.31	≤-26.18	PASS
				52Tone	RU44	-0.48	-44.62	≤-30.48	PASS
				106Tone	RU56	-1.90	-42.44	≤-31.9	PASS
				242Tone	RU62	-3.58	-49.84	≤-33.58	PASS
				484Tone	RU65	-3.88	-43.88	≤-33.88	PASS
	Ant4	High	2452	26Tone	RU17	4.39	-49.51	≤-25.61	PASS
				52Tone	RU44	1.01	-32.96	≤-28.99	PASS
				106Tone	RU56	-0.11	-31.47	≤-30.11	PASS
				242Tone	RU62	-3.44	-33.64	≤-33.44	PASS
				484Tone	RU65	-3.06	-54.7	≤-33.06	PASS

(2) Conducted Spurious Emissions Test

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	10.38	10.38	---	PASS
			30~1000	10.38	-57.3	≤-19.62	PASS
			1000~26500	10.38	-43.99	≤-19.62	PASS
	Ant2	2412	Reference	10.24	10.24	---	PASS
			30~1000	10.24	-57.15	≤-19.76	PASS
			1000~26500	10.24	-49.48	≤-19.76	PASS
	Ant3	2412	Reference	9.26	9.26	---	PASS
			30~1000	9.26	-58.16	≤-20.74	PASS
			1000~26500	9.26	-43.13	≤-20.74	PASS
	Ant4	2412	Reference	10.49	10.49	---	PASS
			30~1000	10.49	-58.21	≤-19.51	PASS
			1000~26500	10.49	-43.29	≤-19.51	PASS
	Ant1	2437	Reference	10.64	10.64	---	PASS
			30~1000	10.64	-57.43	≤-19.36	PASS
			1000~26500	10.64	-44.39	≤-19.36	PASS
	Ant2	2437	Reference	9.83	9.83	---	PASS
			30~1000	9.83	-58.07	≤-20.17	PASS
			1000~26500	9.83	-51.44	≤-20.17	PASS
	Ant3	2437	Reference	10.21	10.21	---	PASS
			30~1000	10.21	-58.36	≤-19.79	PASS
			1000~26500	10.21	-44.64	≤-19.79	PASS
	Ant4	2437	Reference	10.00	10.00	---	PASS
			30~1000	10.00	-57.34	≤-20	PASS
			1000~26500	10.00	-43.88	≤-20	PASS
	Ant1	2462	Reference	12.44	12.44	---	PASS
			30~1000	12.44	-58.58	≤-17.56	PASS
			1000~26500	12.44	-42.47	≤-17.56	PASS
	Ant2	2462	Reference	9.29	9.29	---	PASS
			30~1000	9.29	-58.33	≤-20.71	PASS
			1000~26500	9.29	-51.23	≤-20.71	PASS
	Ant3	2462	Reference	9.64	9.64	---	PASS
			30~1000	9.64	-58.72	≤-20.36	PASS
			1000~26500	9.64	-46.47	≤-20.36	PASS
	Ant4	2462	Reference	10.66	10.66	---	PASS
			30~1000	10.66	-57.64	≤-19.34	PASS
			1000~26500	10.66	-43.77	≤-19.34	PASS
11G	Ant1	2412	Reference	7.22	7.22	---	PASS
			30~1000	7.22	-58.11	≤-22.78	PASS
			1000~26500	7.22	-51.24	≤-22.78	PASS
	Ant2	2412	Reference	7.40	7.40	---	PASS
			30~1000	7.40	-58.36	≤-22.6	PASS
			1000~26500	7.40	-51.51	≤-22.6	PASS
	Ant3	2412	Reference	7.06	7.06	---	PASS
			30~1000	7.06	-58.37	≤-22.94	PASS
			1000~26500	7.06	-50.78	≤-22.94	PASS
	Ant4	2412	Reference	7.53	7.53	---	PASS
			30~1000	7.53	-58.38	≤-22.47	PASS
			1000~26500	7.53	-50.56	≤-22.47	PASS
	Ant1	2437	Reference	6.86	6.86	---	PASS
			30~1000	6.86	-58.21	≤-23.14	PASS
			1000~26500	6.86	-51.61	≤-23.14	PASS
	Ant2	2437	Reference	7.03	7.03	---	PASS
			30~1000	7.03	-58.12	≤-22.97	PASS
			1000~26500	7.03	-50.85	≤-22.97	PASS
	Ant3	2437	Reference	6.28	6.28	---	PASS
			30~1000	6.28	-58.43	≤-23.72	PASS
			1000~26500	6.28	-50.19	≤-23.72	PASS
	Ant4	2437	Reference	7.27	7.27	---	PASS
			30~1000	7.27	-58.64	≤-22.73	PASS
			1000~26500	7.27	-50.81	≤-22.73	PASS
	Ant1	2462	Reference	6.01	6.01	---	PASS
			30~1000	6.01	-58.31	≤-23.99	PASS

			1000~26500	6.01	-51.3	≤-23.99	PASS
	Ant2	2462	Reference	7.05	7.05	---	PASS
			30~1000	7.05	-58.21	≤-22.95	PASS
			1000~26500	7.05	-51.6	≤-22.95	PASS
	Ant3	2462	Reference	5.86	5.86	---	PASS
			30~1000	5.86	-57.65	≤-24.14	PASS
			1000~26500	5.86	-50.61	≤-24.14	PASS
	Ant4	2462	Reference	6.90	6.90	---	PASS
			30~1000	6.90	-58.84	≤-23.1	PASS
			1000~26500	6.90	-50.36	≤-23.1	PASS
11N20MIMO	Ant1	2412	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-58.43	≤-30.79	PASS
			1000~26500	-0.79	-46.68	≤-30.79	PASS
	Ant2	2412	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-58.34	≤-29.96	PASS
			1000~26500	0.04	-51.52	≤-29.96	PASS
	Ant3	2412	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-57.89	≤-30.19	PASS
			1000~26500	-0.19	-48.75	≤-30.19	PASS
	Ant4	2412	Reference	0.07	0.07	---	PASS
			30~1000	0.07	-58.48	≤-29.93	PASS
			1000~26500	0.07	-50.55	≤-29.93	PASS
	Ant1	2437	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-58.1	≤-30.5	PASS
			1000~26500	-0.50	-51.4	≤-30.5	PASS
	Ant2	2437	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-58.2	≤-30.18	PASS
			1000~26500	-0.18	-49.53	≤-30.18	PASS
	Ant3	2437	Reference	-0.07	-0.07	---	PASS
			30~1000	-0.07	-58.28	≤-30.07	PASS
			1000~26500	-0.07	-51.25	≤-30.07	PASS
	Ant4	2437	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-57.73	≤-30.19	PASS
			1000~26500	-0.19	-51.16	≤-30.19	PASS
	Ant1	2462	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-58.41	≤-29.25	PASS
			1000~26500	0.75	-51.17	≤-29.25	PASS
	Ant2	2462	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-57.4	≤-30.48	PASS
			1000~26500	-0.48	-50.59	≤-30.48	PASS
	Ant3	2462	Reference	0.00	0.00	---	PASS
			30~1000	0.00	-58.65	≤-30	PASS
			1000~26500	0.00	-51.28	≤-30	PASS
	Ant4	2462	Reference	-0.39	-0.39	---	PASS
			30~1000	-0.39	-58.61	≤-30.39	PASS
			1000~26500	-0.39	-50.81	≤-30.39	PASS
11N40MIMO	Ant1	2422	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-57.69	≤-33.8	PASS
			1000~26500	-3.80	-51.26	≤-33.8	PASS
	Ant2	2422	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-58.76	≤-32.64	PASS
			1000~26500	-2.64	-50.9	≤-32.64	PASS
	Ant3	2422	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-57.91	≤-32.23	PASS
			1000~26500	-2.23	-51.21	≤-32.23	PASS
	Ant4	2422	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-57.63	≤-32.01	PASS
			1000~26500	-2.01	-51.35	≤-32.01	PASS
	Ant1	2437	Reference	-3.13	-3.13	---	PASS
			30~1000	-3.13	-58.37	≤-33.13	PASS
			1000~26500	-3.13	-50.1	≤-33.13	PASS
	Ant2	2437	Reference	-2.63	-2.63	---	PASS
			30~1000	-2.63	-58.37	≤-32.63	PASS
			1000~26500	-2.63	-51.19	≤-32.63	PASS
	Ant3	2437	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-57.23	≤-32.79	PASS

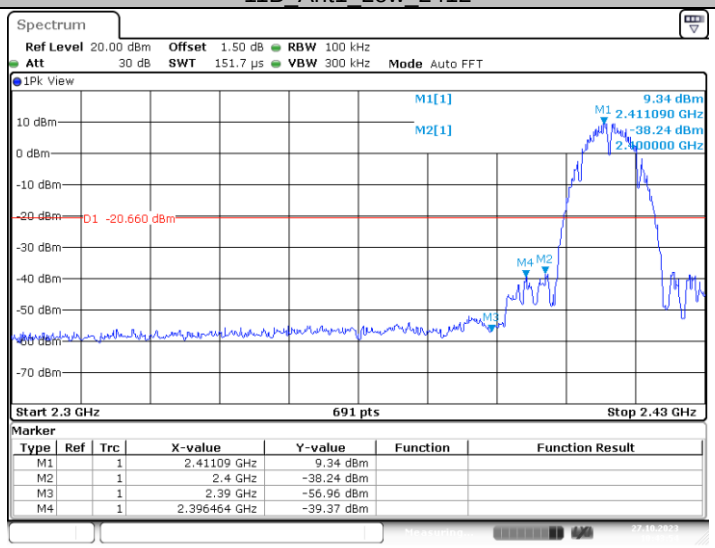
			1000~26500	-2.79	-50.67	≤-32.79	PASS
	Ant4	2437	Reference	-2.59	-2.59	---	PASS
			30~1000	-2.59	-58.26	≤-32.59	PASS
			1000~26500	-2.59	-50.03	≤-32.59	PASS
	Ant1	2452	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-58.51	≤-32.79	PASS
			1000~26500	-2.79	-51.74	≤-32.79	PASS
	Ant2	2452	Reference	-2.62	-2.62	---	PASS
			30~1000	-2.62	-57.54	≤-32.62	PASS
			1000~26500	-2.62	-50.13	≤-32.62	PASS
	Ant3	2452	Reference	-2.65	-2.65	---	PASS
			30~1000	-2.65	-56.75	≤-32.65	PASS
			1000~26500	-2.65	-51.1	≤-32.65	PASS
	Ant4	2452	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-57.42	≤-32.36	PASS
			1000~26500	-2.36	-50.87	≤-32.36	PASS

TestMode	Antenna	Freq(MHz)	Ru Size	Ru Index	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant1	2412	242Tone	RU61	Reference	-1.04	-1.04	---	PASS
				RU61	30~1000	-1.04	-57.76	≤-21.04	PASS
				RU61	1000~26500	-1.04	-51.25	≤-21.04	PASS
	Ant2	2412	242Tone	RU61	Reference	-0.67	-0.67	---	PASS
				RU61	30~1000	-0.67	-58.00	≤-20.67	PASS
				RU61	1000~26500	-0.67	-48.67	≤-20.67	PASS
	Ant3	2412	242Tone	RU61	Reference	-0.73	-0.73	---	PASS
				RU61	30~1000	-0.73	-57.85	≤-20.73	PASS
				RU61	1000~26500	-0.73	-51.01	≤-20.73	PASS
	Ant4	2412	242Tone	RU61	Reference	1.11	1.11	---	PASS
				RU61	30~1000	1.11	-58.36	≤-18.89	PASS
				RU61	1000~26500	1.11	-50.41	≤-18.89	PASS
	Ant1	2437	242Tone	RU61	Reference	-0.57	-0.57	---	PASS
				RU61	30~1000	-0.57	-58.54	≤-20.57	PASS
				RU61	1000~26500	-0.57	-51.41	≤-20.57	PASS
	Ant2	2437	242Tone	RU61	Reference	-0.87	-0.87	---	PASS
				RU61	30~1000	-0.87	-57.77	≤-20.87	PASS
				RU61	1000~26500	-0.87	-51.04	≤-20.87	PASS
	Ant3	2437	242Tone	RU61	Reference	-0.86	-0.86	---	PASS
				RU61	30~1000	-0.86	-58.39	≤-20.86	PASS
				RU61	1000~26500	-0.86	-50.57	≤-20.86	PASS
	Ant4	2437	242Tone	RU61	Reference	-0.92	-0.92	---	PASS
				RU61	30~1000	-0.92	-57.12	≤-20.92	PASS
				RU61	1000~26500	-0.92	-51.48	≤-20.92	PASS
	Ant1	2462	242Tone	RU61	Reference	-0.34	-0.34	---	PASS
				RU61	30~1000	-0.34	-58.04	≤-20.34	PASS
				RU61	1000~26500	-0.34	-50.77	≤-20.34	PASS
	Ant2	2462	242Tone	RU61	Reference	-1.43	-1.43	---	PASS
				RU61	30~1000	-1.43	-58.12	≤-21.43	PASS
				RU61	1000~26500	-1.43	-50.92	≤-21.43	PASS
	Ant3	2462	242Tone	RU61	Reference	-1.25	-1.25	---	PASS
				RU61	30~1000	-1.25	-58.50	≤-21.25	PASS
				RU61	1000~26500	-1.25	-51.43	≤-21.25	PASS
	Ant4	2462	242Tone	RU61	Reference	-1.44	-1.44	---	PASS
				RU61	30~1000	-1.44	-58.17	≤-21.44	PASS
				RU61	1000~26500	-1.44	-50.32	≤-21.44	PASS
11AX40MIMO	Ant1	2422	484Tone	RU65	Reference	-3.30	-3.30	---	PASS
				RU65	30~1000	-3.30	-57.90	≤-23.3	PASS
				RU65	1000~26500	-3.30	-51.13	≤-23.3	PASS
	Ant2	2422	484Tone	RU65	Reference	-3.45	-3.45	---	PASS
				RU65	30~1000	-3.45	-57.59	≤-23.45	PASS
				RU65	1000~26500	-3.45	-51.32	≤-23.45	PASS
	Ant3	2422	484Tone	RU65	Reference	-3.06	-3.06	---	PASS
				RU65	30~1000	-3.06	-58.82	≤-23.06	PASS
				RU65	1000~26500	-3.06	-50.60	≤-23.06	PASS
	Ant4	2422	484Tone	RU65	Reference	-3.11	-3.11	---	PASS
				RU65	30~1000	-3.11	-57.53	≤-23.11	PASS
				RU65	1000~26500	-3.11	-51.76	≤-23.11	PASS
	Ant1	2437	484Tone	RU65	Reference	-2.77	-2.77	---	PASS
				RU65	30~1000	-2.77	-57.83	≤-22.77	PASS
				RU65	1000~26500	-2.77	-50.94	≤-22.77	PASS
	Ant2	2437	484Tone	RU65	Reference	-3.83	-3.83	---	PASS
				RU65	30~1000	-3.83	-58.60	≤-23.83	PASS
				RU65	1000~26500	-3.83	-51.25	≤-23.83	PASS
	Ant3	2437	484Tone	RU65	Reference	-3.37	-3.37	---	PASS
				RU65	30~1000	-3.37	-58.37	≤-23.37	PASS
				RU65	1000~26500	-3.37	-51.23	≤-23.37	PASS
	Ant4	2437	484Tone	RU65	Reference	-3.31	-3.31	---	PASS
				RU65	30~1000	-3.31	-55.80	≤-23.31	PASS
				RU65	1000~26500	-3.31	-51.15	≤-23.31	PASS
	Ant1	2452	484Tone	RU65	Reference	-2.96	-2.96	---	PASS
				RU65	30~1000	-2.96	-58.32	≤-22.96	PASS
				RU65	1000~26500	-2.96	-51.39	≤-22.96	PASS

	Ant2	2452	484Tone	RU65	Reference	-3.26	-3.26	---	PASS
				RU65	30~1000	-3.26	-58.09	≤-23.26	PASS
				RU65	1000~26500	-3.26	-51.39	≤-23.26	PASS
	Ant3	2452	484Tone	RU65	Reference	-3.25	-3.25	---	PASS
				RU65	30~1000	-3.25	-57.77	≤-23.25	PASS
				RU65	1000~26500	-3.25	-50.70	≤-23.25	PASS
	Ant4	2452	484Tone	RU65	Reference	-3.51	-3.51	---	PASS
				RU65	30~1000	-3.51	-58.65	≤-23.51	PASS
				RU65	1000~26500	-3.51	-50.93	≤-23.51	PASS

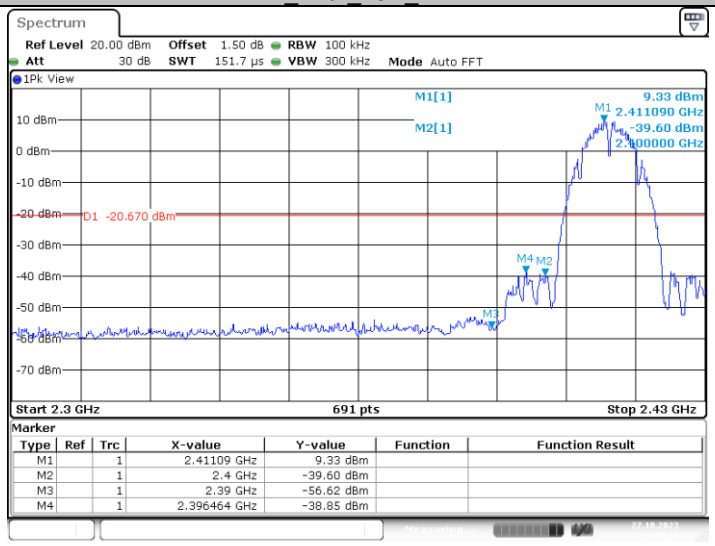
Test plot as follows:

11B_Ant1_Low_2412



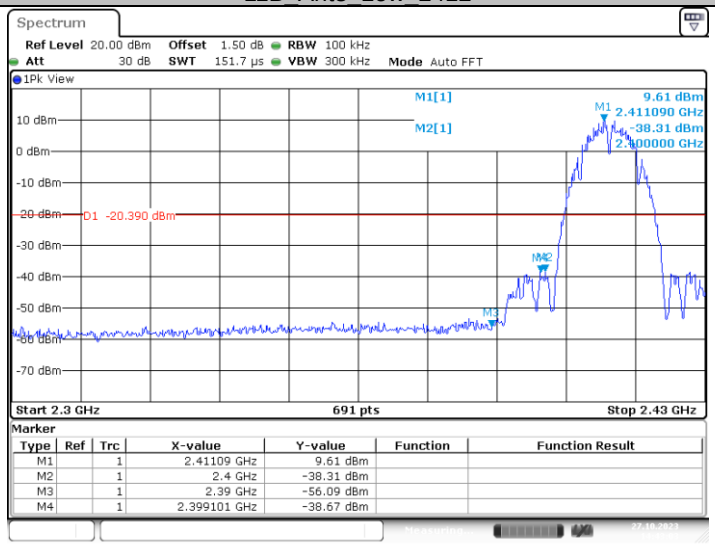
Date: 27.OCT.2023 10:43:53

11B_Ant2_Low_2412



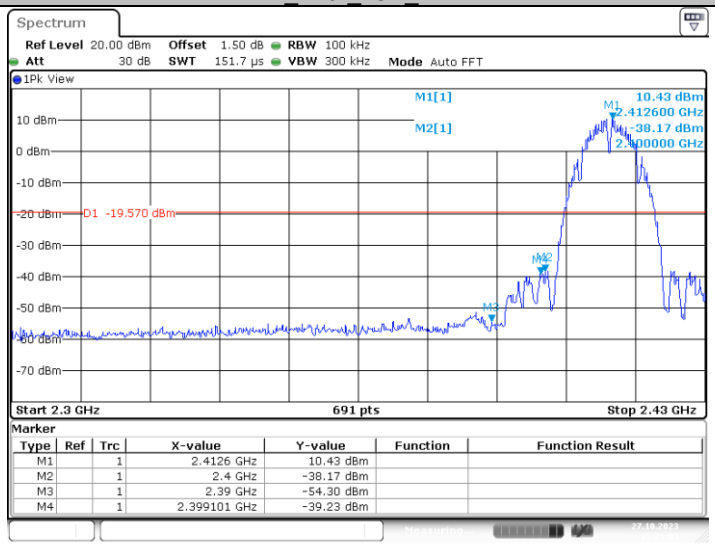
Date: 27.OCT.2023 14:09:26

11B_Ant3_Low_2412



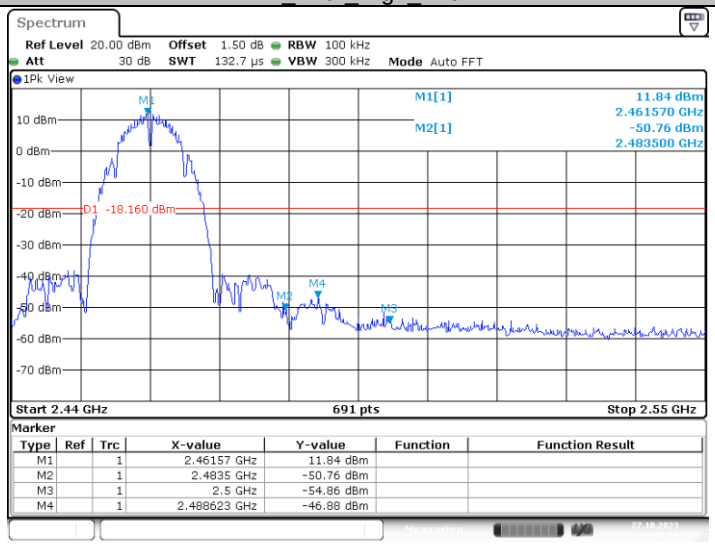
Date: 27.OCT.2023 14:43:03

11B_Ant4_Low_2412



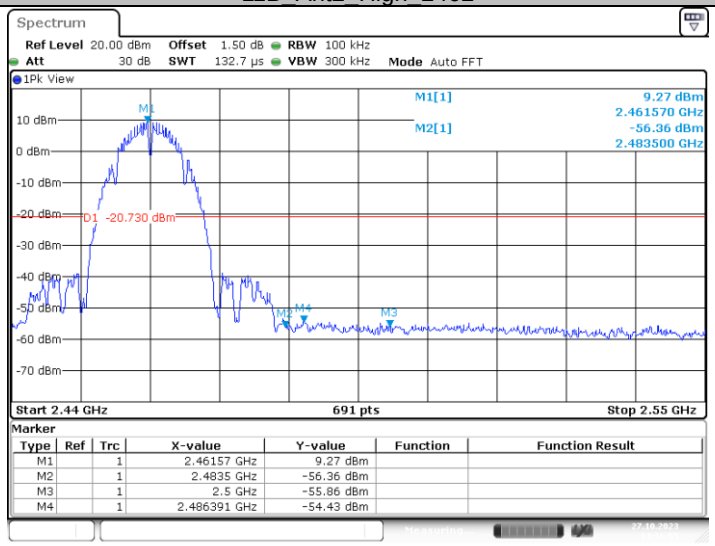
Date: 27.OCT.2023 15:21:03

11B_Ant1_High_2462



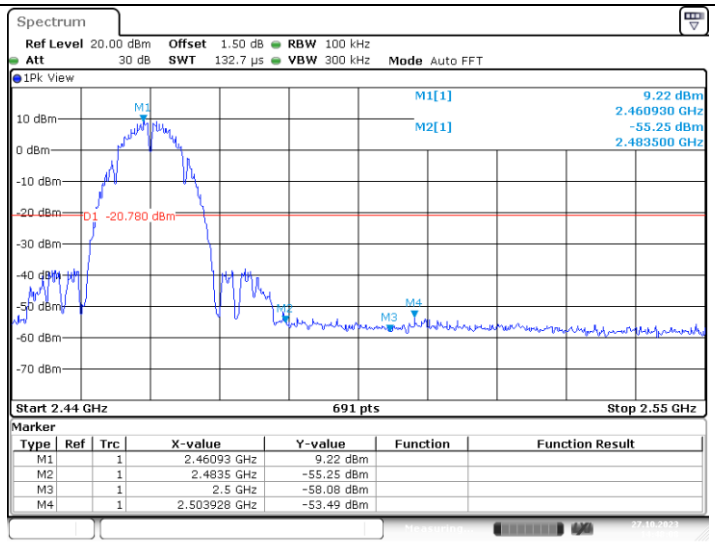
Date: 27.OCT.2023 10:57:58

11B_Ant2_High_2462

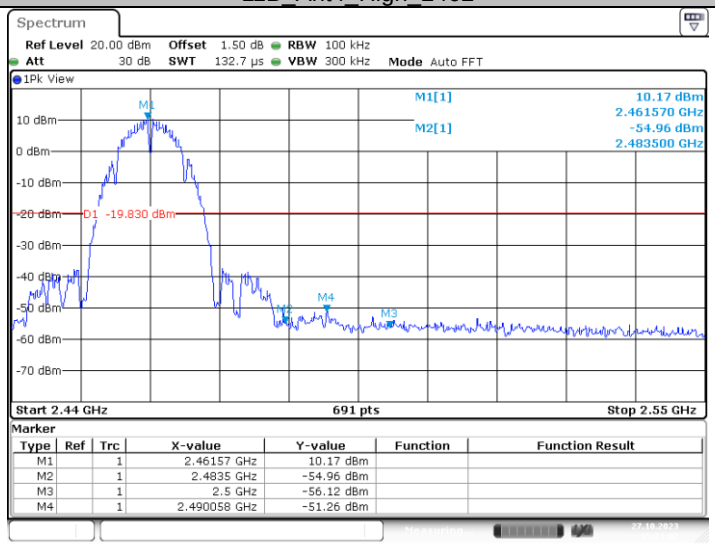


Date: 27.OCT.2023 14:16:55

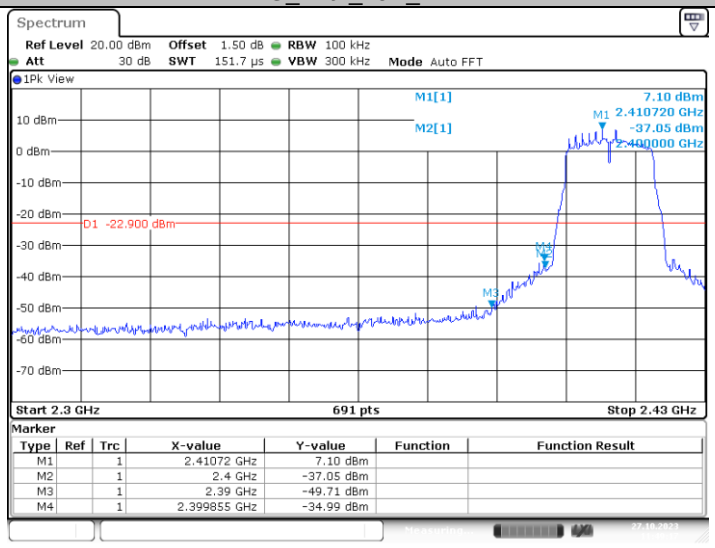
11B_Ant3_High_2462



11B_Ant4_High_2462



11G_Ant1_Low_2412



11G_Ant2_Low_2412