

TEST REPORT

Report No. : **CTC2026290802**

FCC ID..... : **2A6EJ-26002**

Applicant : **Shenzhen Yazhou shang Technology Co., Ltd.**

Address : No. 502, Building 120, Shangmeilin New Village, Meilin Street, Futian District, Shenzhen, China

Manufacturer..... : Shenzhen Yazhou shang Technology Co., Ltd.

Address : No. 502, Building 120, Shangmeilin New Village, Meilin Street, Futian District, Shenzhen, China

Product Name : **Outdoor Access Point**

Trade Mark : /

Model/Type reference..... : APM6-AX1800

Listed Model : APM6-AX3000, WA635XA, APM5-AX1200-5, APM5-AX1200-6, APM5-AX1800-4, APM6-AX1200-5, APM6-AX1800-2, APM6-AX1800-4, APM6-AX1800-5, APM6-AX1800-6, APM6-AX3000-4, APM6-AX3000-6, APM7-AX3000-4, APM7-AX3600-4, APM7-AX3600-6, APM7-AX5000-4, APM7-AX5000-5, APM7-AX6500-6, APM7-AX9300-8 (XXX can represent numbers, letters, and punctuation marks)

Standard : **FCC CFR Title 47 Part 15 Subpart C Section 15.247**

Test Report Form No : CTC-TR-057_A5

Master TRF : Dated 2026-06-01

Date of receipt of test sample..... : Jun. 5, 2026

Date of testing..... : Jun. 5, 2026~ Jul. 5, 2026

Date of issue..... : Jul. 21, 2026

Result..... : **PASS**

Compiled by:

(Printed name+signature)

Alicia Liu

Alicia Liu

Supervised by:

(Printed name+signature)

Eric Zhang

Eric Zhang

Approved by:

(Printed name+signature)

Totti Zhao

Totti Zhao

This test report may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by CTC. The Test Result in the report only apply to the tested sample. The test report shall be invalid without all the signatures of testing engineers, reviewer and approver. Any objections must be raised to CTC within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit.

Table of Contents	Page
1. TEST SUMMARY	4
1.1. TEST STANDARDS.....	4
1.2. REPORT VERSION	4
1.3. TEST DESCRIPTION.....	4
1.4. TEST FACILITY	5
1.5. MEASUREMENT UNCERTAINTY	6
1.6. ENVIRONMENTAL CONDITIONS.....	6
2. GENERAL INFORMATION	7
2.1. CLIENT INFORMATION	7
2.2. GENERAL DESCRIPTION OF EUT	8
2.3. ACCESSORY EQUIPMENT INFORMATION	9
2.4. OPERATION STATE	10
2.5. MEASUREMENT INSTRUMENTS LIST	12
3. TEST ITEM AND RESULTS	14
3.1. CONDUCTED EMISSION.....	14
3.2. RADIATED EMISSION.....	17
3.3. BAND EDGE EMISSIONS (RADIATED)	34
3.4. BAND EDGE AND SPURIOUS EMISSIONS (CONDUCTED)	59
3.5. DTS BANDWIDTH.....	107
3.6. PEAK OUTPUT POWER	133
3.7. POWER SPECTRAL DENSITY	135
3.8. DUTY CYCLE	149
3.9. ANTENNA REQUIREMENT.....	151

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 C63.10-2020](#): American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Report No.	Date of issue	Description
01	CTC2026290802	Jul. 21, 2026	Original

1.3. Test Description

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

Note:

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

1.4. Test Facility

Address of the report laboratory

CTC Laboratories, Inc.

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

Laboratory accreditation

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

A2LA-Lab Cert. No.: 4340.01

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

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

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

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

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

1.5. Measurement Uncertainty

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

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

Test Items	Measurement Uncertainty	Notes
DTS Bandwidth	$\pm 0.0196\%$	(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: ± 0.746 dB 1GHz-26GHz: ± 1.328 dB	(1)
Conducted Emissions 9kHz~30MHz	± 3.08 dB	(1)
Radiated Emissions 30~1000MHz	± 4.51 dB	(1)
Radiated Emissions 1~18GHz	± 5.84 dB	(1)
Radiated Emissions 18~40GHz	± 6.12 dB	(1)

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

1.6. Environmental Conditions

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

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

2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Shenzhen Yazhou shang Technology Co., Ltd.
Address:	No. 502, Building 120, Shangmeilin New Village, Meilin Street, Futian District, Shenzhen, China
Manufacturer:	Shenzhen Yazhou shang Technology Co., Ltd.
Address:	No. 502, Building 120, Shangmeilin New Village, Meilin Street, Futian District, Shenzhen, China
Factory:	Shenzhen Yazhou shang Technology Co., Ltd.
Address:	No. 502, Building 120, Shangmeilin New Village, Meilin Street, Futian District, Shenzhen, China

2.2. General Description of EUT

Product Name:	Outdoor Access Point
Trade Mark:	/
Model/Type reference:	APM6-AX1800
Listed Model:	APM6-AX3000, WA635XA, APM5-AX1200-5, APM5-AX1200-6, APM5-AX1800-4, APM6-AX1200-5, APM6-AX1800-2, APM6-AX1800-4, APM6-AX1800-5, APM6-AX1800-6, APM6-AX3000-4, APM6-AX3000-6, APM7-AX3000-4, APM7-AX3600-4, APM7-AX3600-6, APM7-AX5000-4, APM7-AX5000-5, APM7-AX6500-6, APM7-AX9300-8 (XXX can represent numbers, letters, and punctuation marks)
Model Difference:	All these models are identical with the Main in the same PCB, layout and electrical circuit, with only the model names differing.
Sample ID:	CTC-GC260603-001-S003
Power Supply:	Input: 100-240V~ 0.8A from AC/DC Adapter
Adapter Model:	MODEL: GRT-POE15-240100A INPUT: 100-240V~0.8A Max 50/60Hz OUTPUT: 24.0Vdc/1.0A 24.0W
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:	External antenna
Antenna Gain:	6.48dBi

2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	ThinkBook 14 G3 ACL	MP246Q6S	Lenovo
/	/	/	/
Cable Information			
Name	Shielded Type	Ferrite Core	Length
/	/	/	/
Test Software Information			
Name	Version	/	/
QATool_Dbg	MT7915 QA 0.0.2.33	/	/

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	External antenna	IPEX	6.48
2	NA	NA	External antenna	IPEX	6.48

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

According to KDB 662911 D01, Directional Gain = $G_{Ant.} + 10\log(N)$ dBi, that is Directional Gain = $6.48 + 10\log(2)$ dBi = 9.49 dBi. So output power = limit is $30 - 9.49 + 6 = 26.51$ dBm, and the power spectral density limit is $8 - 9.49 + 6 = 4.51$ dBm/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 worst case mode.

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

2.5. Measurement Instruments List

Radiated emission						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-759	Oct. 17, 2025	Oct. 16, 2027
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-648	Dec. 12, 2024	Dec. 11, 2026
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 13, 2025	Dec. 12, 2026
4	Broadband Amplifier	Schwarzbeck	BBV9743B	259	Dec. 13, 2025	Dec. 12, 2026
5	Mirowave Broadband Amplifier	Schwarzbeck	BBV9718C	111	Dec. 13, 2025	Dec. 12, 2026
6	RE33L-001	COMM	/	014 (9kHz-1GHz)	Feb. 09, 2026	Feb. 08, 2027
7	RE33L-002	COMM	/	015 (9kHz-1GHz)	Feb. 09, 2026	Feb. 08, 2027
8	RE33H-001	SUHB SUCOFLEX	/	016 (1GHz-18GHz)	Feb. 09, 2026	Feb. 08, 2027
9	RE33H-002	HUBENR	/	017 (1GHz-18GHz)	Feb. 09, 2026	Feb. 08, 2027
10	RE33H-003	HUBENR	/	018 (1GHz-18GHz)	Feb. 09, 2026	Feb. 08, 2027
11	RE33H-003	HUBENR	/	019 (18GHz-40GHz)	Feb. 09, 2026	Feb. 08, 2027
12	3m chamber 3	YIHENG	EE106	/	Aug. 29, 2023	Aug. 28, 2026
Test Software						
Name		Manufacturer		Software Version		
EZ-EMC		FARA		FA-03A2		

Radiated emission						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-1013	Dec. 18, 2024	Dec. 17, 2026
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Oct. 17, 2025	Oct. 16, 2027
3	Spectrum Analyzer	R&S	FSV40-N	101654	Dec. 13, 2025	Dec. 12, 2026
4	Pre-Amplifier	SONOMA	310	186194	Dec. 13, 2025	Dec. 12, 2026
5	Low Noise Pre-Amplifier	EMCI	EMC051835	980075	Dec. 13, 2025	Dec. 12, 2026
6	Test Receiver	R&S	ESCI7	100967	Dec. 13, 2025	Dec. 12, 2026
7	RE32L-001	HUBENR	/	009 (9kHz-1GHz)	Feb. 09, 2026	Feb. 08, 2027
8	RE32L-002	HUBENR	/	010 (9kHz-1GHz)	Feb. 09, 2026	Feb. 08, 2027
9	RE32L-003	HUBENR	/	011 (9kHz-1GHz)	Feb. 09, 2026	Feb. 08, 2027
10	RE32H-001	HUBENR	/	012 (1GHz-18GHz)	Feb. 09, 2026	Feb. 08, 2027
11	RE32H-002	HUBENR	/	013 (1GHz-18GHz)	Feb. 09, 2026	Feb. 08, 2027
12	3m chamber 2	Frankonia	EE025	/	Oct. 19, 2024	Oct. 18, 2027
Test Software						
Name		Manufacturer		Software Version		
EZ-EMC		FARA		FA-03A2		

CTC Laboratories, Inc.

Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

Master TRF:Dated 2026-06-01

RF Test System – SRD						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	Spectrum Analyzer	R&S	FSV40-N	101654	Dec. 13, 2025	Dec. 12, 2026
2	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 13, 2025	Dec. 12, 2026
3	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 13, 2025	Dec. 12, 2026
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 25, 2026	Mar. 24, 2027
5	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 25, 2026	Mar. 24, 2027
6	Wideband Radio Communication Tester	R&S	CMW500	102257	Mar. 25, 2026	Mar. 24, 2027
7	RF Control Unit	Tonscend	JS0806-2	/	Mar. 25, 2026	Mar. 24, 2027
8	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 25, 2026	Mar. 24, 2027
9	RF Cable	HUBER+SUHNER	SUCOFLEX101PE	RF-08	Apr. 16, 2026	Apr. 15, 2027
Test Software						
Name		Manufacturer		Software Version		
JS1120-3		Tonscend		V2.6.88.0346		

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

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

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

3. TEST ITEM AND RESULTS

3.1. Conducted Emission

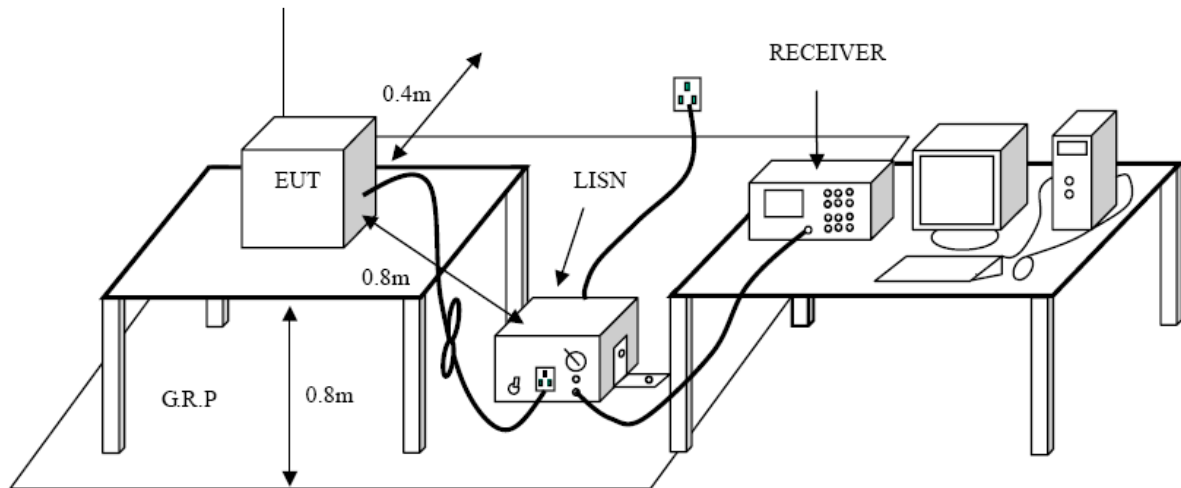
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207

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

* Decreases with the logarithm of the frequency.

Test Configuration



Test Procedure

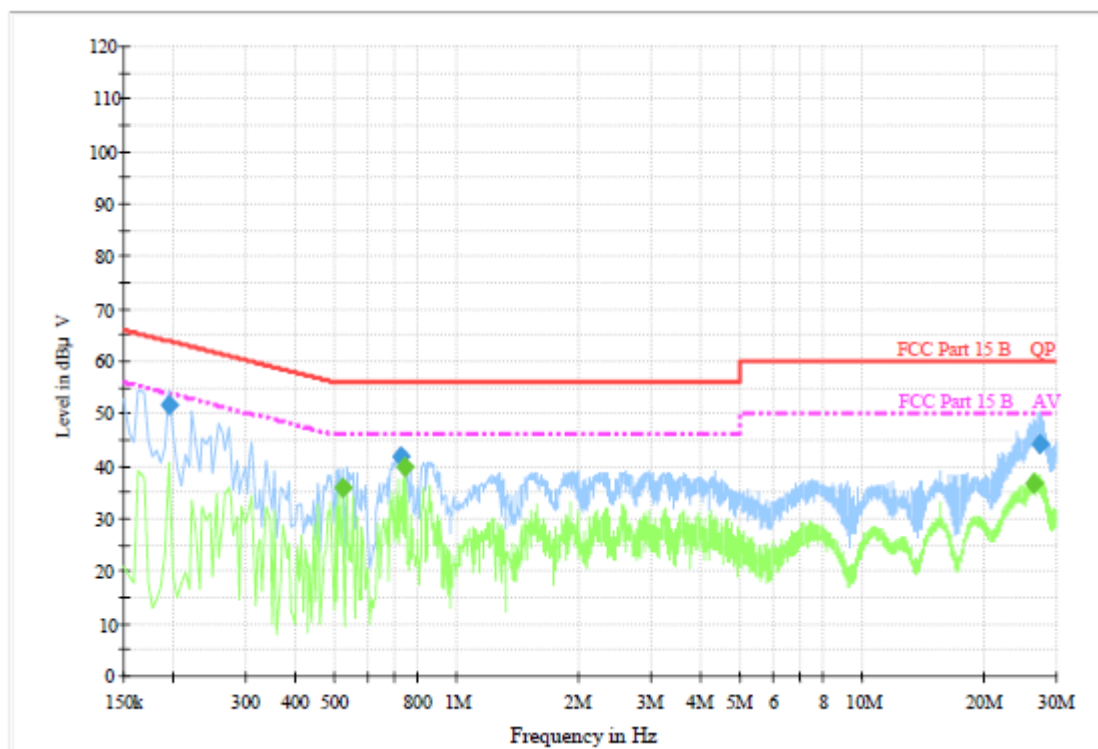
1. The EUT was setup according to ANSI C63.10:2020 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from 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 mode	1
Terminal	Line

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.195000	51.7	1000.00	9.000	On	L1	9.3	12.1	63.8	
0.721500	42.0	1000.00	9.000	On	L1	9.7	14.0	56.0	
27.460500	44.4	1000.00	9.000	On	L1	9.7	15.6	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
0.519000	36.0	1000.00	9.000	On	L1	9.4	10.0	46.0	
0.744000	39.7	1000.00	9.000	On	L1	9.7	6.3	46.0	
26.493000	36.6	1000.00	9.000	On	L1	9.7	13.4	50.0	

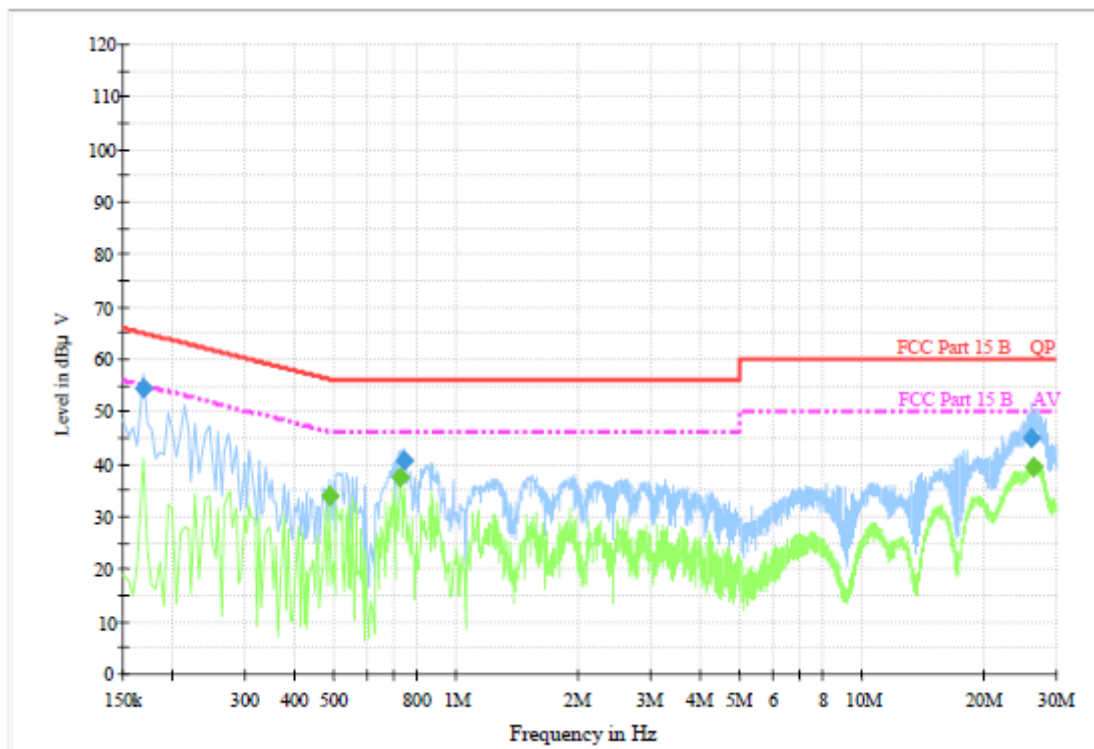
Note:

Factor = Insertion loss of LISN + Cable Loss

Limit = Limit stated in standard

Margin = Limit (dBμV) –Result (dBμV)

Test mode	1
Terminal	Neutral



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.168000	54.4	1000.00	9.000	On	N	9.3	10.7	65.1	
0.739500	40.8	1000.00	9.000	On	N	9.2	15.2	56.0	
26.187000	44.9	1000.00	9.000	On	N	9.7	15.1	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
0.483000	33.9	1000.00	9.000	On	N	9.6	12.4	46.3	
0.726000	37.5	1000.00	9.000	On	N	9.2	8.5	46.0	
26.394000	39.5	1000.00	9.000	On	N	9.7	10.5	50.0	

Note:

Factor = Insertion loss of LISN + Cable Loss

Limit = Limit stated in standard

Margin = Limit (dBμV) –Result (dBμV)

3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209

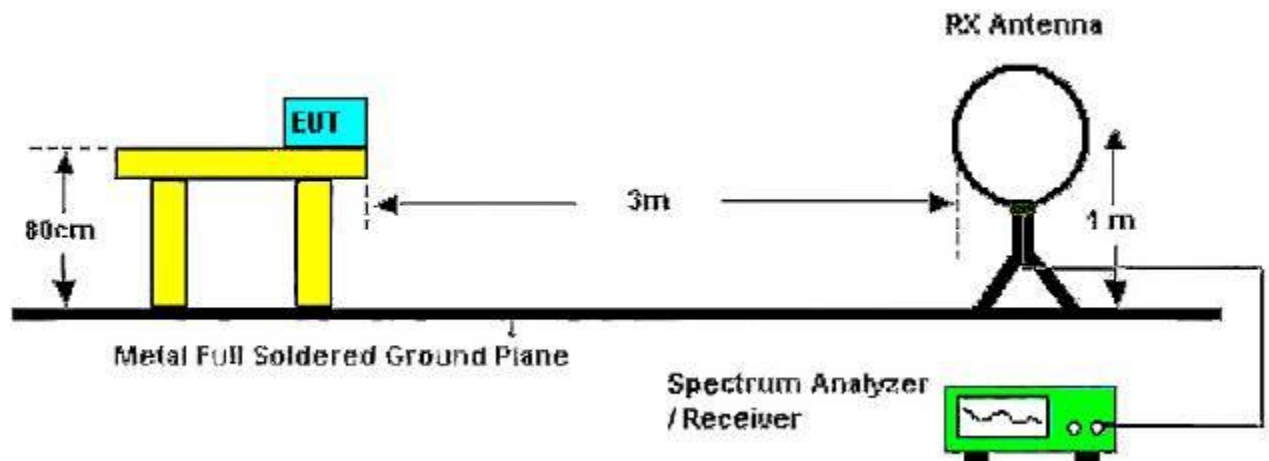
Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F (kHz)	300
0.490~1.705	24000/F (kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

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

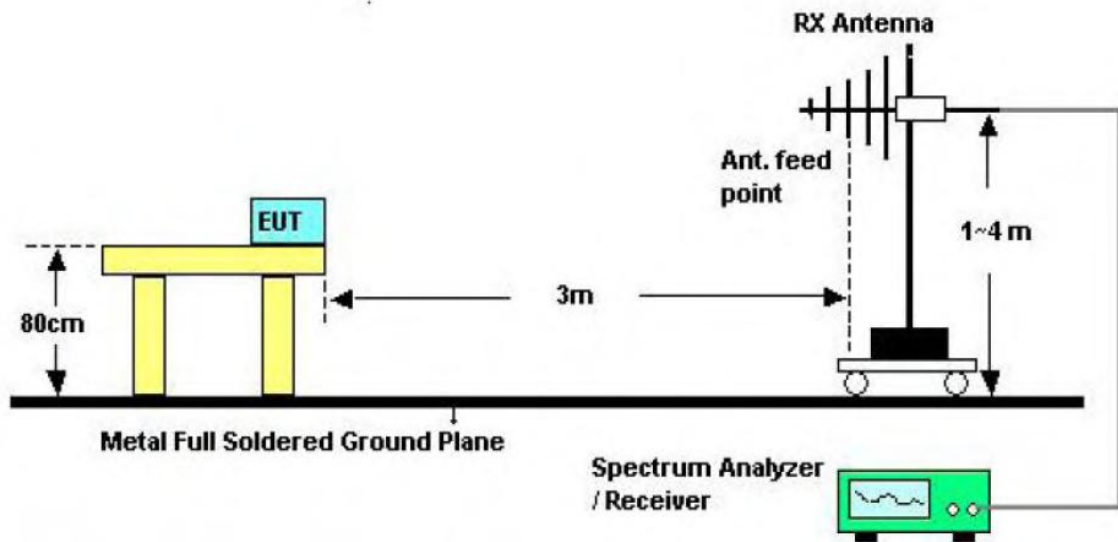
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dB μ V/m)=20log Emission Level (μ V/m).

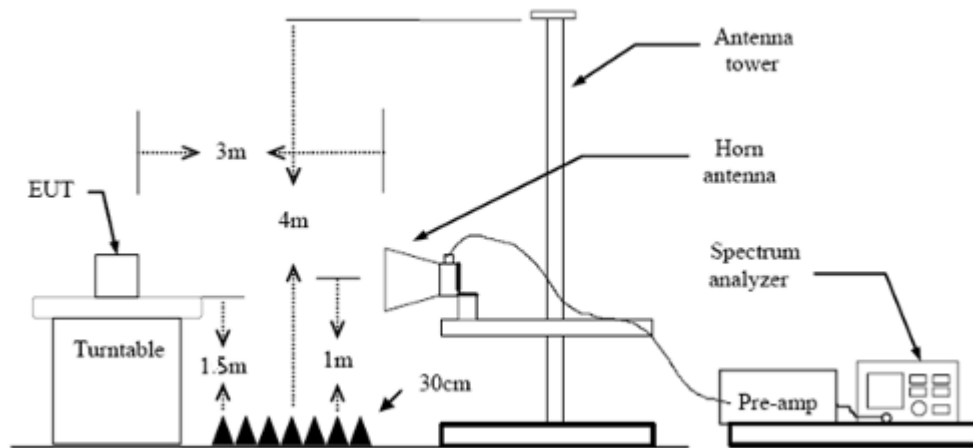
Test Configuration



Below 30MHz Test Setup



30-1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2020.
 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

Note:

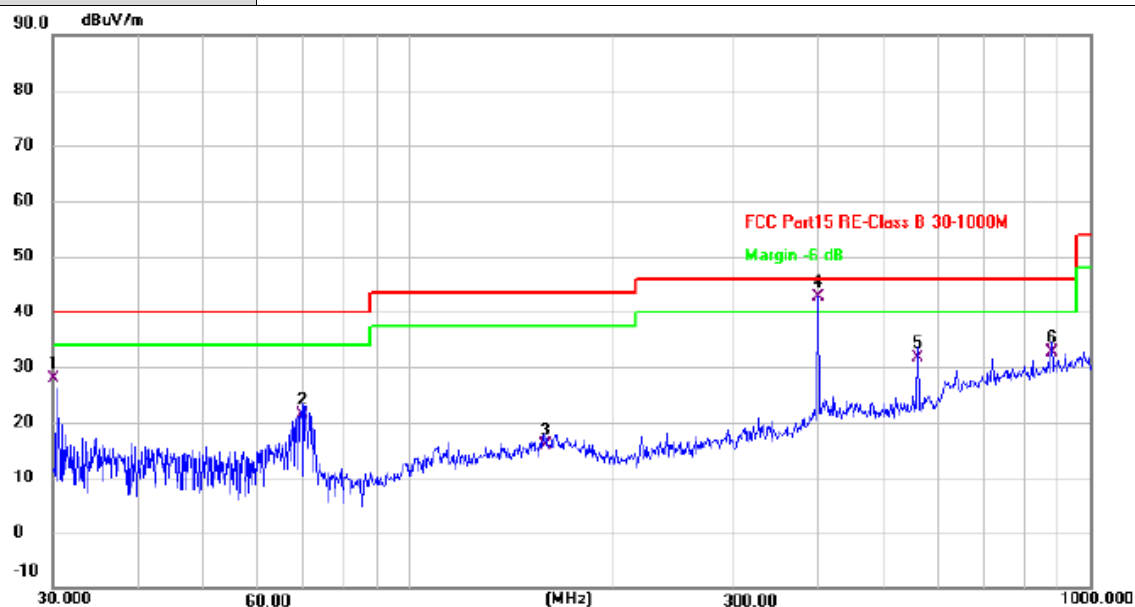
1. Testing is carried out with frequency rang 9kHz to the tenth harmonics.
2. The highest emissions are the fundamental waves.
3. All modes for required channel tested, only the worst-case reported.

9 kHz~30 MHz

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

30MHz-1GHz

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

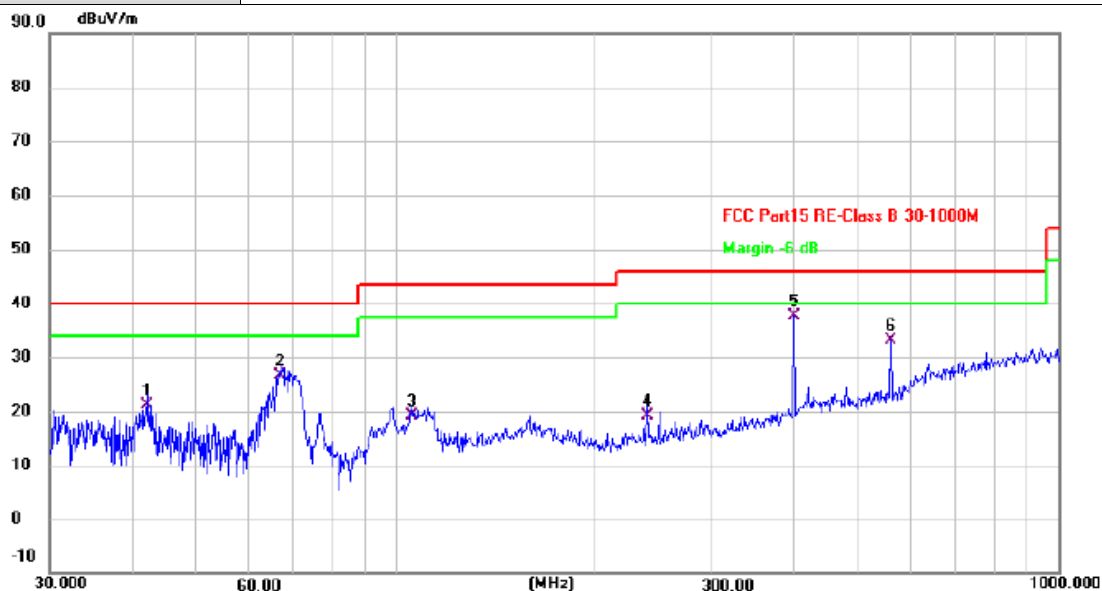


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.0000	43.66	-15.66	28.00	40.00	-12.00	QP
2	69.6004	40.26	-18.98	21.28	40.00	-18.72	QP
3	158.6677	31.05	-15.16	15.89	43.50	-27.61	QP
4 *	399.0302	55.20	-12.58	42.62	46.00	-3.38	QP
5	558.7301	40.60	-8.96	31.64	46.00	-14.36	QP
6	878.3214	36.19	-3.45	32.74	46.00	-13.26	QP

Remarks:

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

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



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.1542	36.63	-15.62	21.01	40.00	-18.99	QP
2	66.9669	45.13	-18.45	26.68	40.00	-13.32	QP
3	105.6415	38.13	-19.07	19.06	43.50	-24.44	QP
4	239.1473	36.04	-17.01	19.03	46.00	-26.97	QP
5 *	399.0302	50.17	-12.58	37.59	46.00	-8.41	QP
6	558.7302	42.00	-8.96	33.04	46.00	-12.96	QP

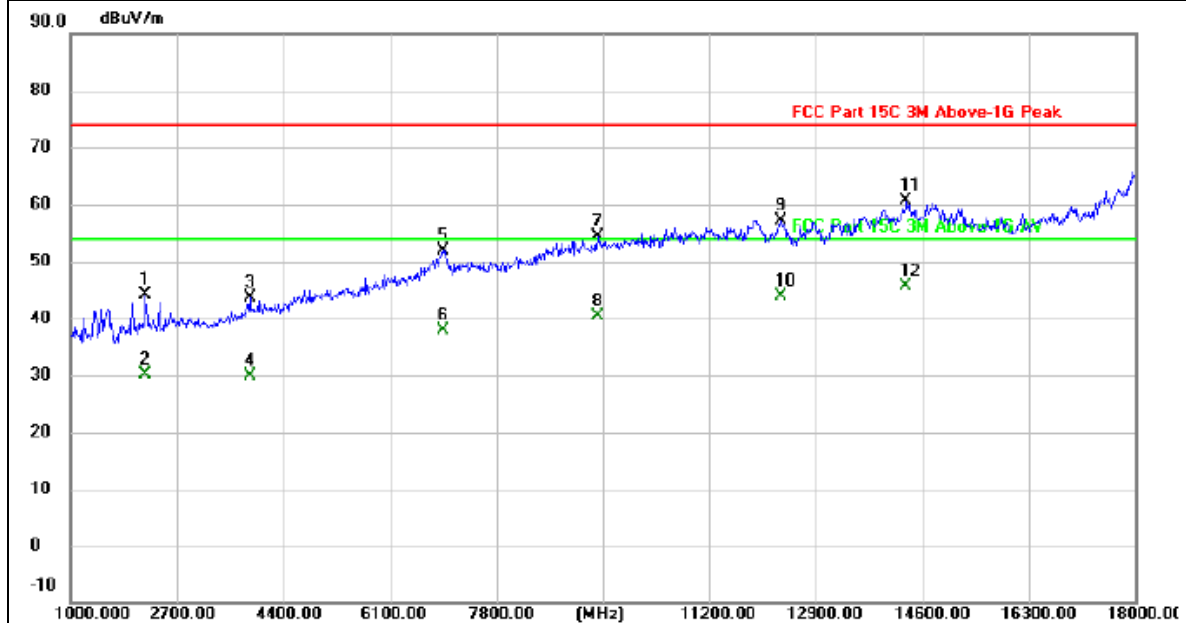
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor

2. Margin value = Level - Limit value

1GHz-18GHz

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.



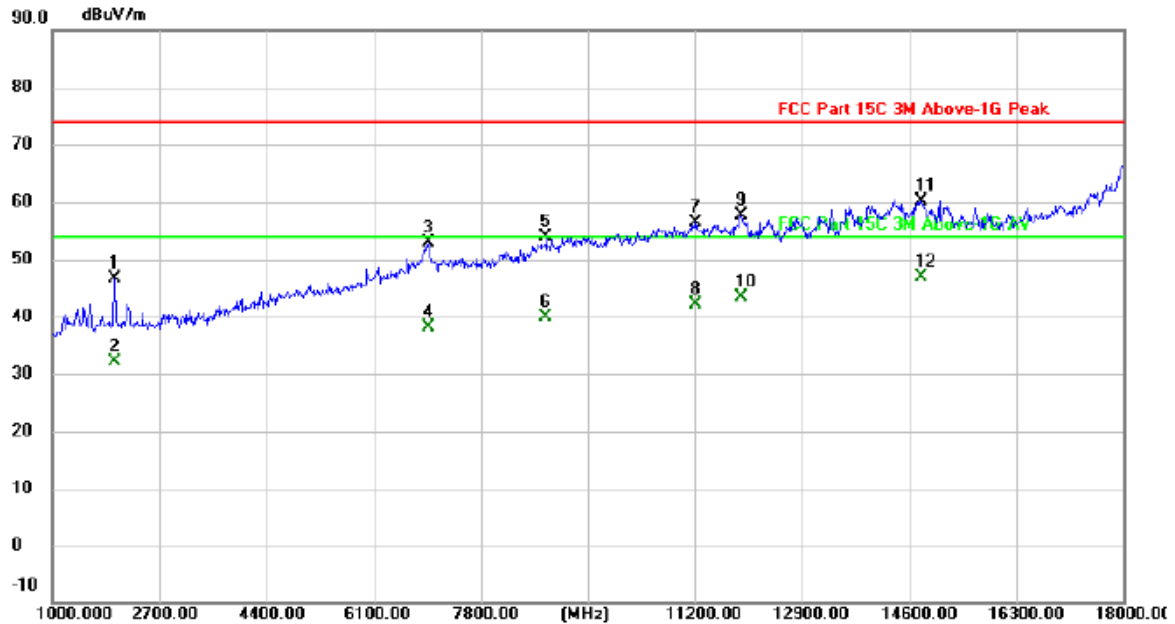
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2190.000	52.16	-8.09	44.07	74.00	-29.93	peak
2	2190.000	38.18	-8.09	30.09	54.00	-23.91	AVG
3	3856.000	48.47	-4.81	43.66	74.00	-30.34	peak
4	3856.000	34.68	-4.81	29.87	54.00	-24.13	AVG
5	6950.000	46.88	5.11	51.99	74.00	-22.01	peak
6	6950.000	32.84	5.11	37.95	54.00	-16.05	AVG
7	9415.000	45.37	9.08	54.45	74.00	-19.55	peak
8	9415.000	31.31	9.08	40.39	54.00	-13.61	AVG
9	12339.000	45.63	11.57	57.20	74.00	-16.80	peak
10	12339.000	32.28	11.57	43.85	54.00	-10.15	AVG
11	14345.000	46.15	14.47	60.62	74.00	-13.38	peak
12 *	14345.000	31.22	14.47	45.69	54.00	-8.31	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor

2. Margin value = Level - Limit value

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

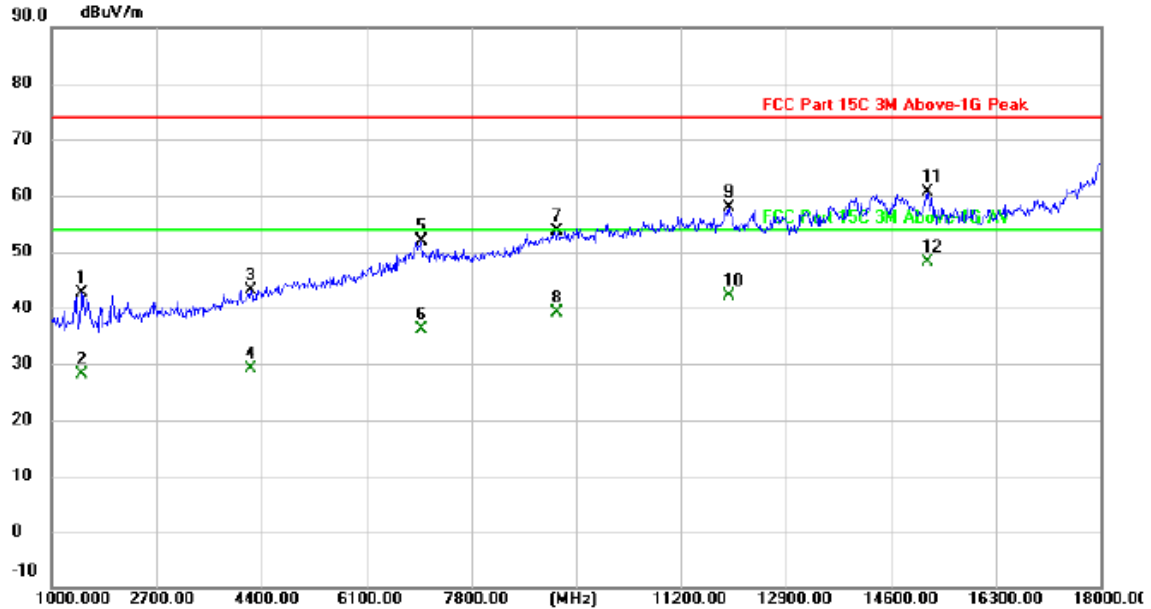


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1986.000	56.50	-9.92	46.58	74.00	-27.42	peak
2	1986.000	41.98	-9.92	32.06	54.00	-21.94	AVG
3	6967.000	47.68	5.23	52.91	74.00	-21.09	peak
4	6967.000	32.93	5.23	38.16	54.00	-15.84	AVG
5	8837.000	45.69	8.20	53.89	74.00	-20.11	peak
6	8837.000	31.64	8.20	39.84	54.00	-14.16	AVG
7	11217.000	45.38	10.88	56.26	74.00	-17.74	peak
8	11217.000	31.28	10.88	42.16	54.00	-11.84	AVG
9	11931.000	45.85	11.90	57.75	74.00	-16.25	peak
10	11931.000	31.36	11.90	43.26	54.00	-10.74	AVG
11	14787.000	45.70	14.44	60.14	74.00	-13.86	peak
12 *	14787.000	32.54	14.44	46.98	54.00	-7.02	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 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.



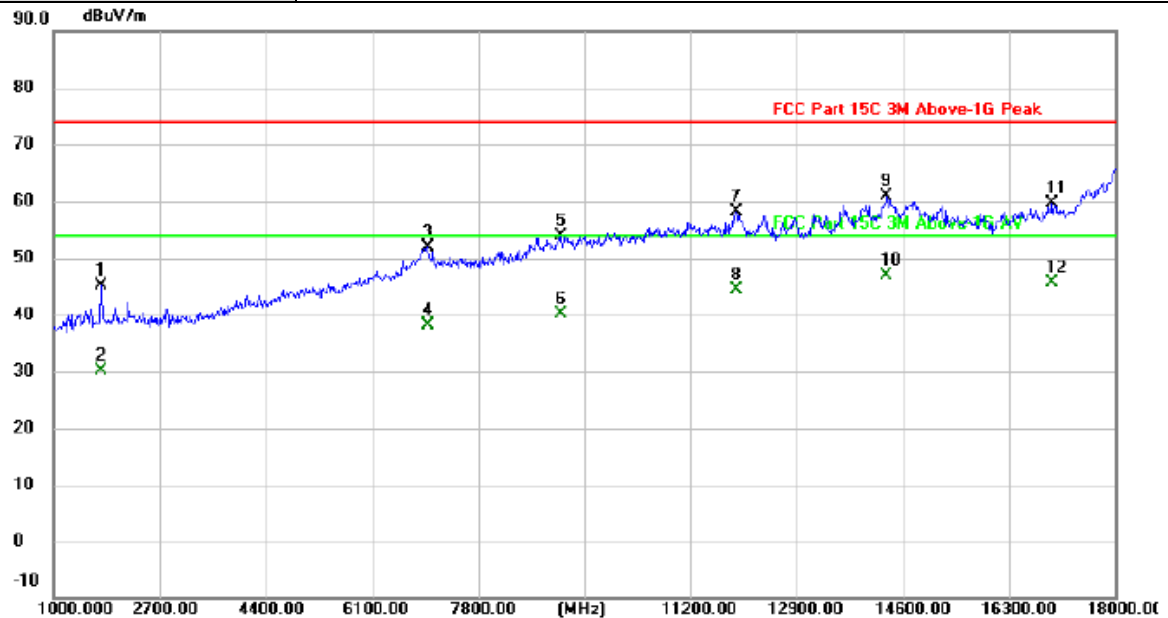
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1493.000	54.38	-11.73	42.65	74.00	-31.35	peak
2	1493.000	39.89	-11.73	28.16	54.00	-25.84	AVG
3	4230.000	47.02	-3.81	43.21	74.00	-30.79	peak
4	4230.000	32.90	-3.81	29.09	54.00	-24.91	AVG
5	6984.000	46.45	5.36	51.81	74.00	-22.19	peak
6	6984.000	30.83	5.36	36.19	54.00	-17.81	AVG
7	9194.000	44.53	8.98	53.51	74.00	-20.49	peak
8	9194.000	30.18	8.98	39.16	54.00	-14.84	AVG
9	11982.000	45.93	11.96	57.89	74.00	-16.11	peak
10	11982.000	30.20	11.96	42.16	54.00	-11.84	AVG
11	15195.000	47.48	13.04	60.52	74.00	-13.48	peak
12 *	15195.000	35.02	13.04	48.06	54.00	-5.94	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. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

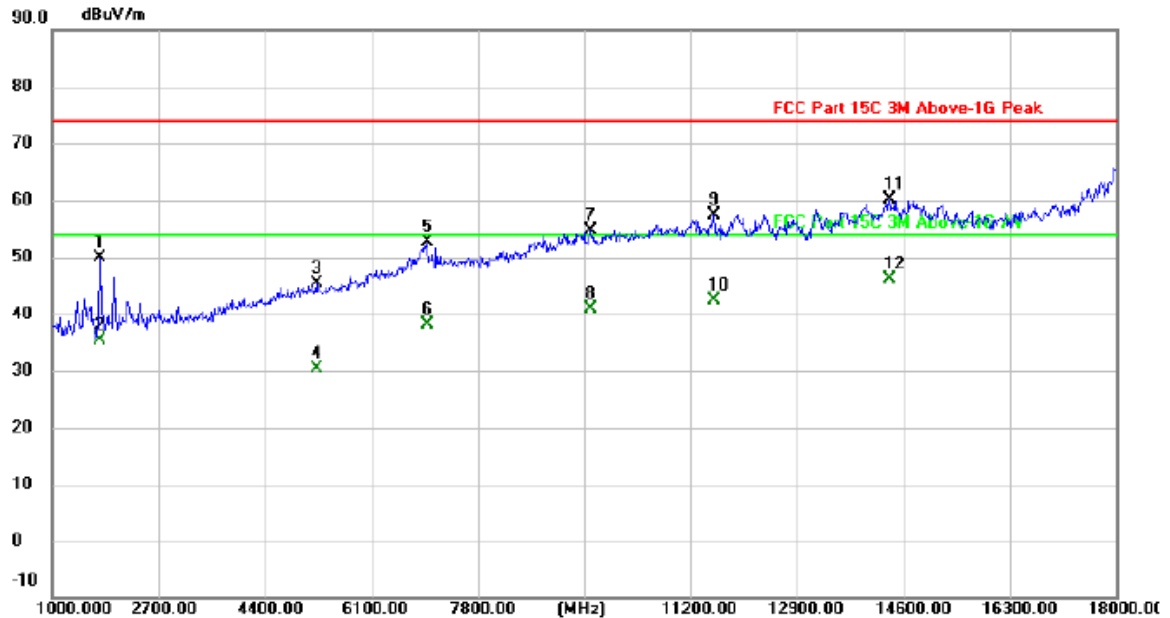


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1748.000	56.41	-11.32	45.09	74.00	-28.91	peak
2	1748.000	41.48	-11.32	30.16	54.00	-23.84	AVG
3	6984.000	46.48	5.36	51.84	74.00	-22.16	peak
4	6984.000	32.73	5.36	38.09	54.00	-15.91	AVG
5	9126.000	45.07	8.84	53.91	74.00	-20.09	peak
6	9126.000	31.31	8.84	40.15	54.00	-13.85	AVG
7	11931.000	46.12	11.90	58.02	74.00	-15.98	peak
8	11931.000	32.36	11.90	44.26	54.00	-9.74	AVG
9	14345.000	46.46	14.47	60.93	74.00	-13.07	peak
10 *	14345.000	32.40	14.47	46.87	54.00	-7.13	AVG
11	16997.000	46.86	12.72	59.58	74.00	-14.42	peak
12	16997.000	32.97	12.72	45.69	54.00	-8.31	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 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.

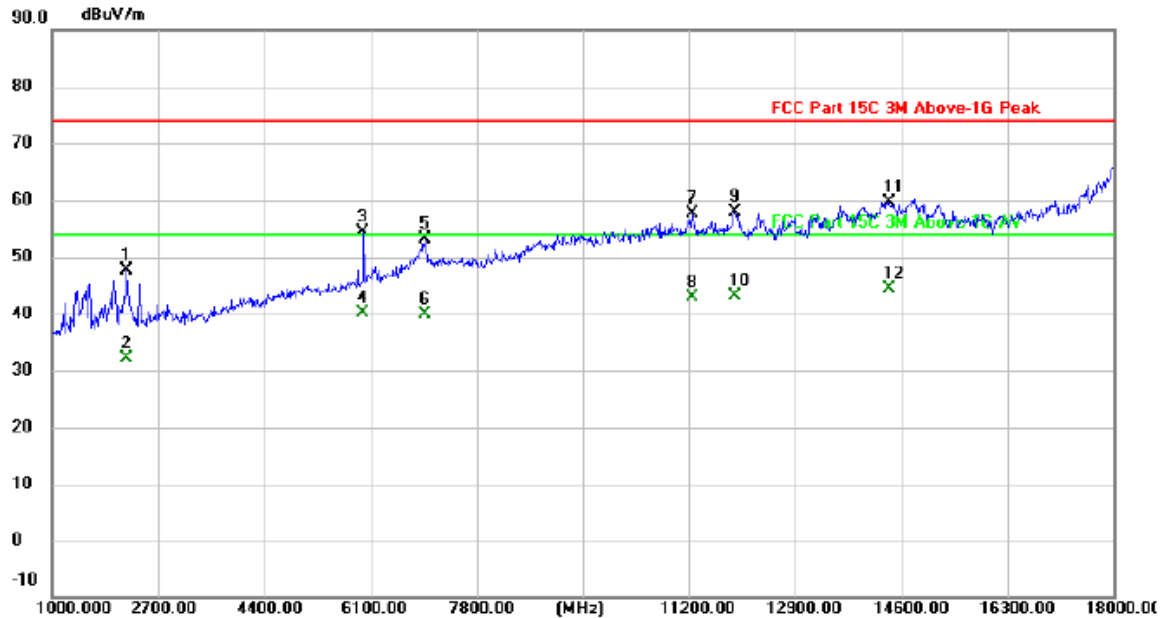


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1748.000	61.08	-11.32	49.76	74.00	-24.24	peak
2	1748.000	46.61	-11.32	35.29	54.00	-18.71	AVG
3	5216.000	47.01	-1.62	45.39	74.00	-28.61	peak
4	5216.000	31.91	-1.62	30.29	54.00	-23.71	AVG
5	6984.000	47.22	5.36	52.58	74.00	-21.42	peak
6	6984.000	32.86	5.36	38.22	54.00	-15.78	AVG
7	9602.000	45.44	9.11	54.55	74.00	-19.45	peak
8	9602.000	31.76	9.11	40.87	54.00	-13.13	AVG
9	11574.000	45.73	11.54	57.27	74.00	-16.73	peak
10	11574.000	30.85	11.54	42.39	54.00	-11.61	AVG
11	14379.000	45.57	14.59	60.16	74.00	-13.84	peak
12 *	14379.000	31.60	14.59	46.19	54.00	-7.81	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
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	2190.000	55.63	-8.09	47.54	74.00	-26.46	peak
2	2190.000	40.24	-8.09	32.15	54.00	-21.85	AVG
3	5981.000	54.28	0.08	54.36	74.00	-19.64	peak
4	5981.000	40.11	0.08	40.19	54.00	-13.81	AVG
5	6967.000	47.82	5.23	53.05	74.00	-20.95	peak
6	6967.000	34.61	5.23	39.84	54.00	-14.16	AVG
7	11251.000	46.77	10.95	57.72	74.00	-16.28	peak
8	11251.000	31.96	10.95	42.91	54.00	-11.09	AVG
9	11931.000	45.92	11.90	57.82	74.00	-16.18	peak
10	11931.000	31.26	11.90	43.16	54.00	-10.84	AVG
11	14396.000	45.08	14.64	59.72	74.00	-14.28	peak
12 *	14396.000	29.75	14.64	44.39	54.00	-9.61	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value

18GHz-26GHz

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.						

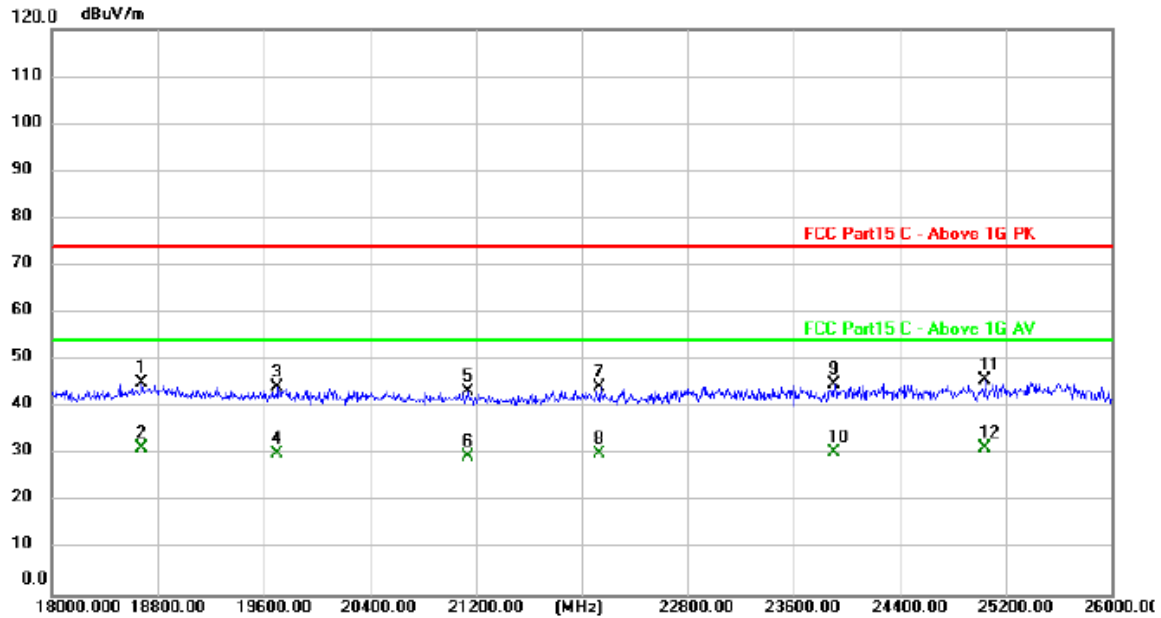
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18760.000	50.40	-5.31	45.09	74.00	-28.91	peak
2	18760.000	36.67	-5.31	31.36	54.00	-22.64	AVG
3	19538.667	50.96	-6.11	44.85	74.00	-29.15	peak
4	19538.667	36.25	-6.11	30.14	54.00	-23.86	AVG
5	20954.667	49.50	-5.73	43.77	74.00	-30.23	peak
6	20954.667	34.87	-5.73	29.14	54.00	-24.86	AVG
7	23034.667	48.50	-3.52	44.98	74.00	-29.02	peak
8	23034.667	33.66	-3.52	30.14	54.00	-23.86	AVG
9	23664.000	47.94	-3.08	44.86	74.00	-29.14	peak
10	23664.000	33.33	-3.08	30.25	54.00	-23.75	AVG
11	25133.333	47.01	-1.26	45.75	74.00	-28.25	peak
12 *	25133.333	33.01	-1.26	31.75	54.00	-22.25	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. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2412MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



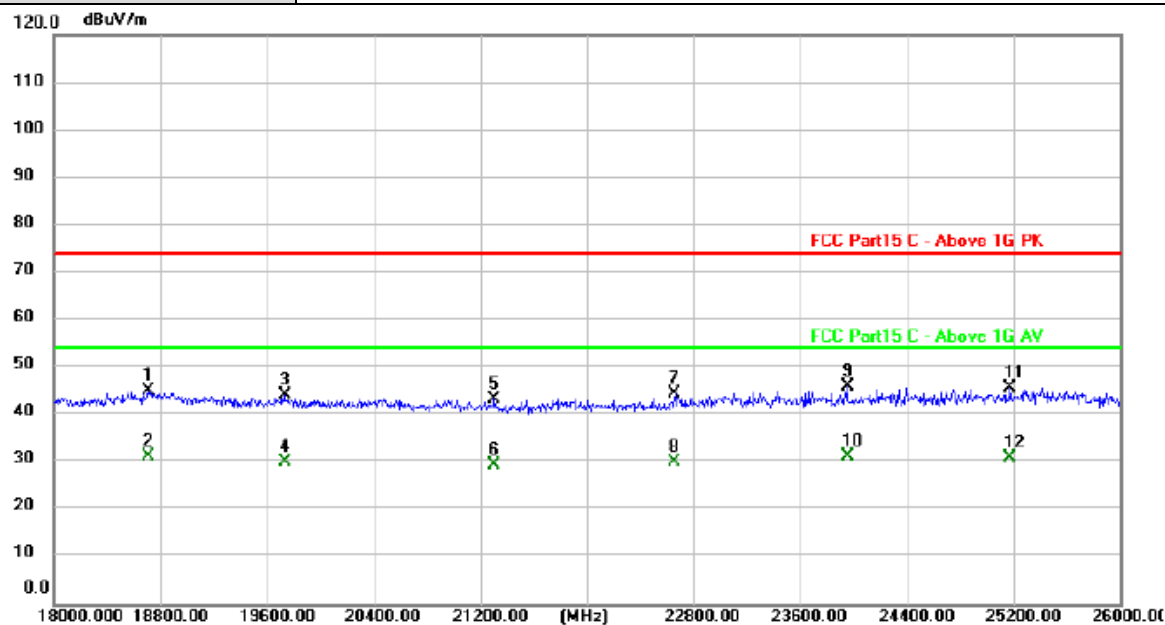
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18682.667	51.68	-6.38	45.30	74.00	-28.70	peak
2	18682.667	37.64	-6.38	31.26	54.00	-22.74	AVG
3	19709.333	50.19	-5.94	44.25	74.00	-29.75	peak
4	19709.333	36.08	-5.94	30.14	54.00	-23.86	AVG
5	21146.667	49.17	-5.73	43.44	74.00	-30.56	peak
6	21146.667	35.36	-5.73	29.63	54.00	-24.37	AVG
7	22149.333	49.38	-4.99	44.39	74.00	-29.61	peak
8	22149.333	35.13	-4.99	30.14	54.00	-23.86	AVG
9	23917.333	47.62	-2.82	44.80	74.00	-29.20	peak
10	23917.333	33.15	-2.82	30.33	54.00	-23.67	AVG
11	25048.000	47.05	-1.24	45.81	74.00	-28.19	peak
12 *	25048.000	32.71	-1.24	31.47	54.00	-22.53	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor

2. Margin value = Level - Limit value

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



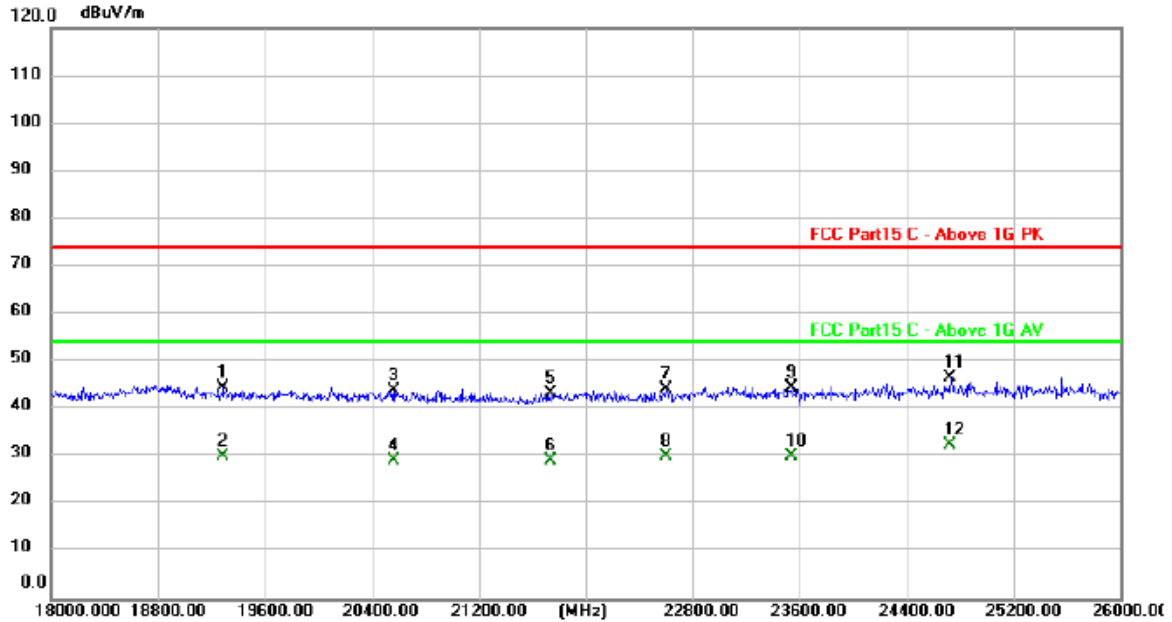
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18704.000	51.32	-6.25	45.07	74.00	-28.93	peak
2 *	18704.000	37.51	-6.25	31.26	54.00	-22.74	AVG
3	19728.000	50.09	-5.91	44.18	74.00	-29.82	peak
4	19728.000	36.05	-5.91	30.14	54.00	-23.86	AVG
5	21306.667	49.22	-5.72	43.50	74.00	-30.50	peak
6	21306.667	35.36	-5.72	29.64	54.00	-24.36	AVG
7	22669.333	49.22	-4.64	44.58	74.00	-29.42	peak
8	22669.333	34.90	-4.64	30.26	54.00	-23.74	AVG
9	23954.667	48.74	-2.80	45.94	74.00	-28.06	peak
10	23954.667	34.06	-2.80	31.26	54.00	-22.74	AVG
11	25176.000	46.99	-1.26	45.73	74.00	-28.27	peak
12	25176.000	32.37	-1.26	31.11	54.00	-22.89	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. Pol.	Vertical
Test Mode:	TX 802.11b Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



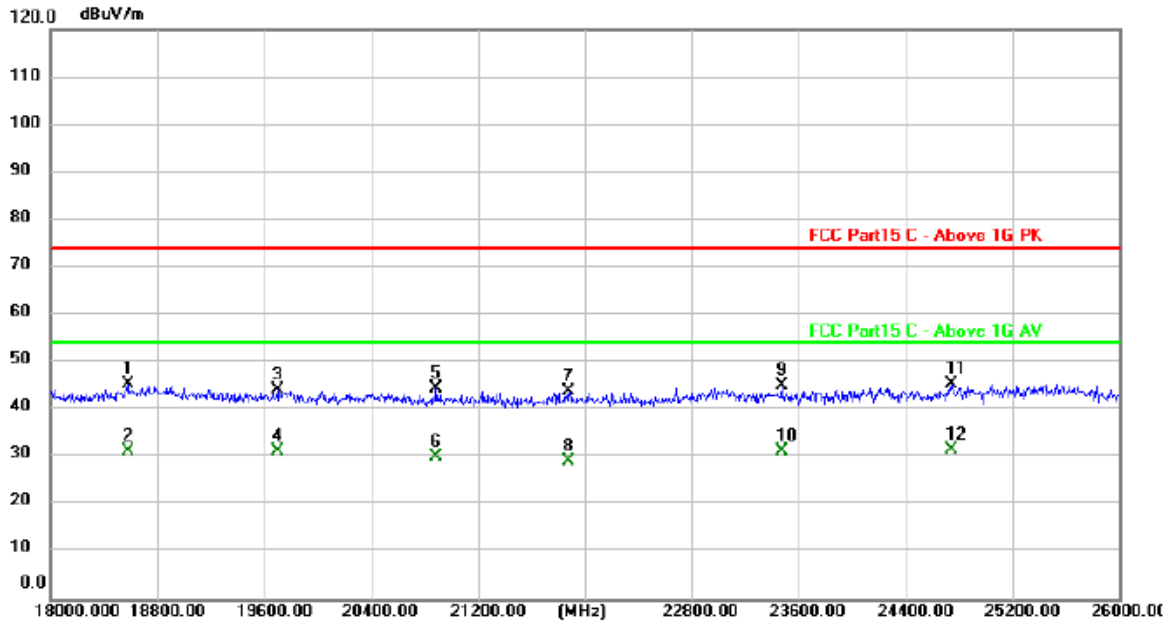
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	19293.333	50.72	-6.28	44.44	74.00	-29.56	peak
2	19293.333	36.42	-6.28	30.14	54.00	-23.86	AVG
3	20562.667	49.51	-5.61	43.90	74.00	-30.10	peak
4	20562.667	34.96	-5.61	29.35	54.00	-24.65	AVG
5	21749.333	48.91	-5.47	43.44	74.00	-30.56	peak
6	21749.333	34.83	-5.47	29.36	54.00	-24.64	AVG
7	22600.000	49.12	-4.74	44.38	74.00	-29.62	peak
8	22600.000	34.99	-4.74	30.25	54.00	-23.75	AVG
9	23538.667	47.80	-3.27	44.53	74.00	-29.47	peak
10	23538.667	33.53	-3.27	30.26	54.00	-23.74	AVG
11	24741.333	48.36	-1.62	46.74	74.00	-27.26	peak
12 *	24741.333	34.07	-1.62	32.45	54.00	-21.55	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
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



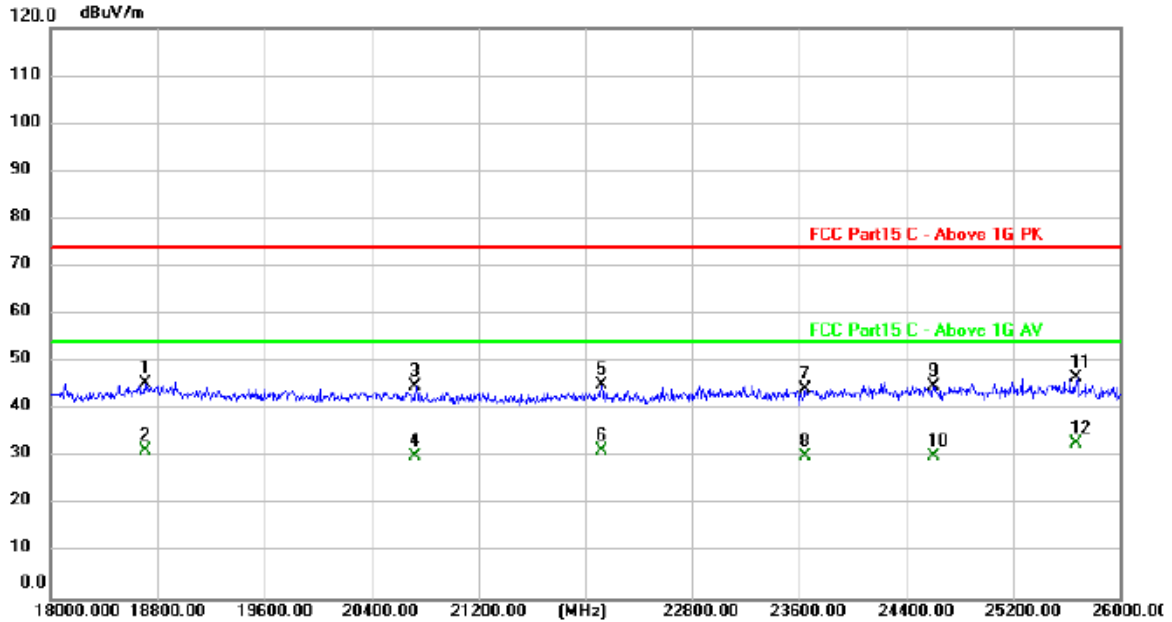
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	18578.667	50.86	-5.49	45.37	74.00	-28.63	peak
2	18578.667	36.75	-5.49	31.26	54.00	-22.74	AVG
3	19698.667	50.18	-5.94	44.24	74.00	-29.76	peak
4	19698.667	37.20	-5.94	31.26	54.00	-22.74	AVG
5	20890.667	50.14	-5.66	44.48	74.00	-29.52	peak
6	20890.667	35.80	-5.66	30.14	54.00	-23.86	AVG
7	21893.333	49.18	-5.23	43.95	74.00	-30.05	peak
8	21893.333	34.59	-5.23	29.36	54.00	-24.64	AVG
9	23472.000	48.48	-3.36	45.12	74.00	-28.88	peak
10	23472.000	34.72	-3.36	31.36	54.00	-22.64	AVG
11	24746.667	47.04	-1.62	45.42	74.00	-28.58	peak
12 *	24746.667	33.31	-1.62	31.69	54.00	-22.31	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
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	18706.667	51.59	-6.18	45.41	74.00	-28.59	peak
2	18706.667	37.44	-6.18	31.26	54.00	-22.74	AVG
3	20741.333	50.38	-5.51	44.87	74.00	-29.13	peak
4	20741.333	35.76	-5.51	30.25	54.00	-23.75	AVG
5	22120.000	50.15	-4.99	45.16	74.00	-28.84	peak
6	22120.000	36.35	-4.99	31.36	54.00	-22.64	AVG
7	23661.333	47.40	-3.09	44.31	74.00	-29.69	peak
8	23661.333	33.20	-3.09	30.11	54.00	-23.89	AVG
9	24608.000	46.49	-1.72	44.77	74.00	-29.23	peak
10	24608.000	31.98	-1.72	30.26	54.00	-23.74	AVG
11	25685.333	47.92	-1.21	46.71	74.00	-27.29	peak
12 *	25685.333	33.99	-1.21	32.78	54.00	-21.22	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor

2. Margin value = Level - Limit value

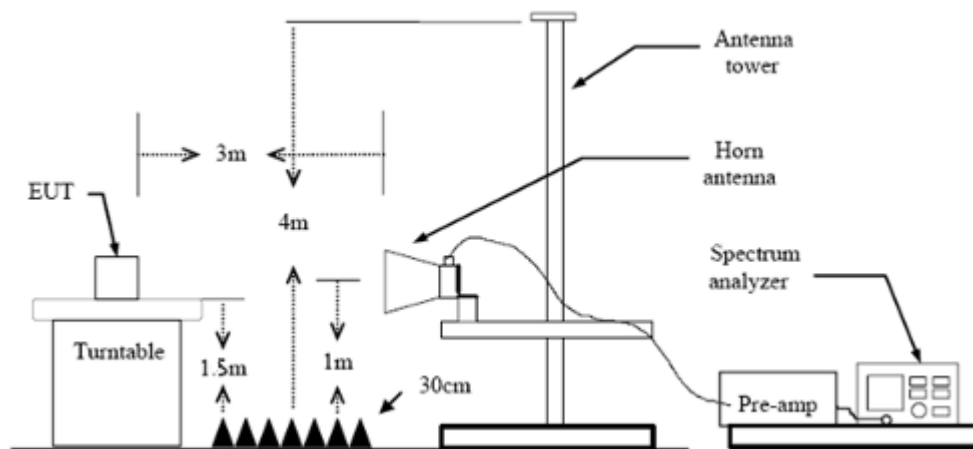
3.3. Band Edge Emissions (Radiated)

Limit

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

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

Test Configuration



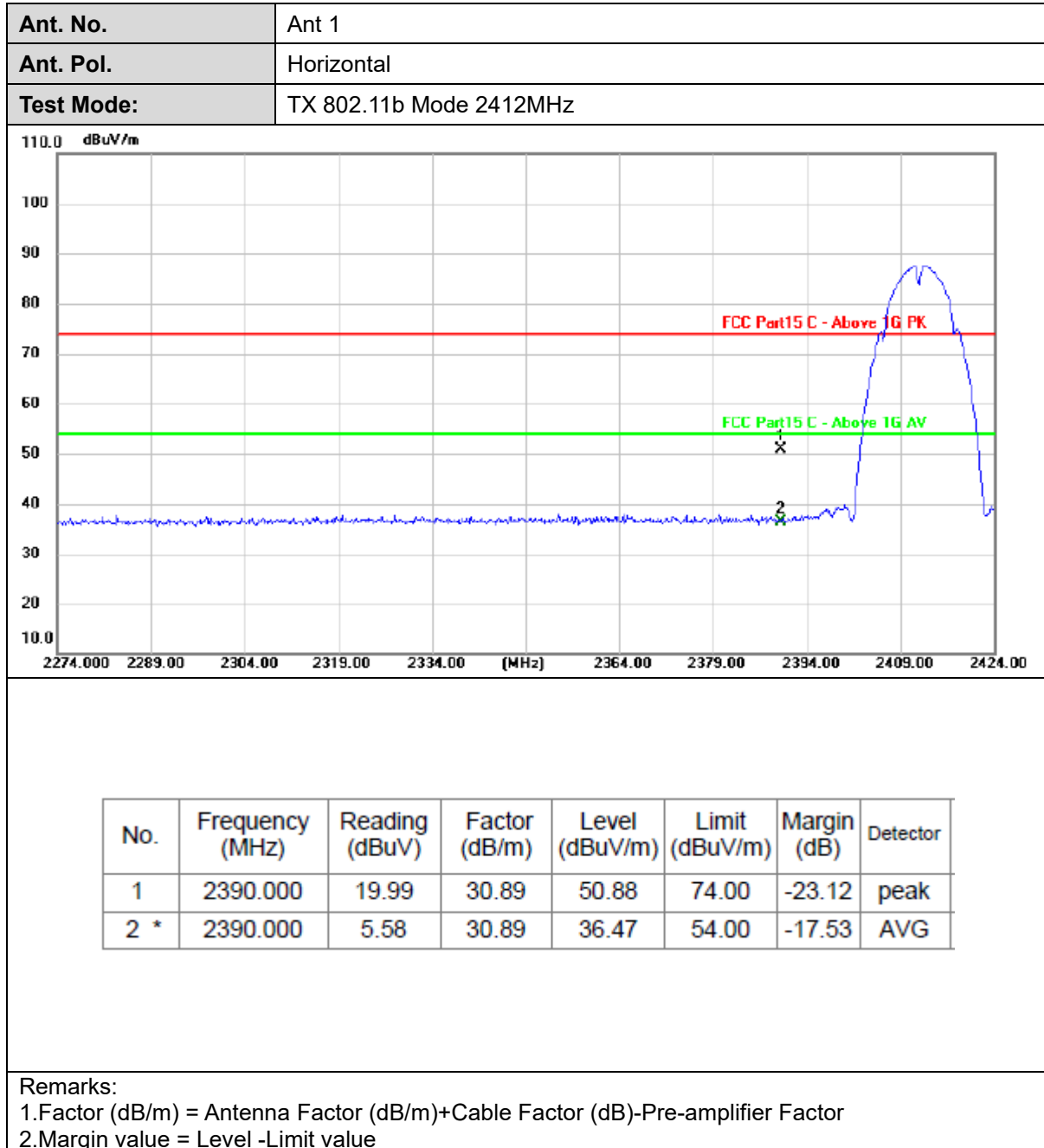
Test Procedure

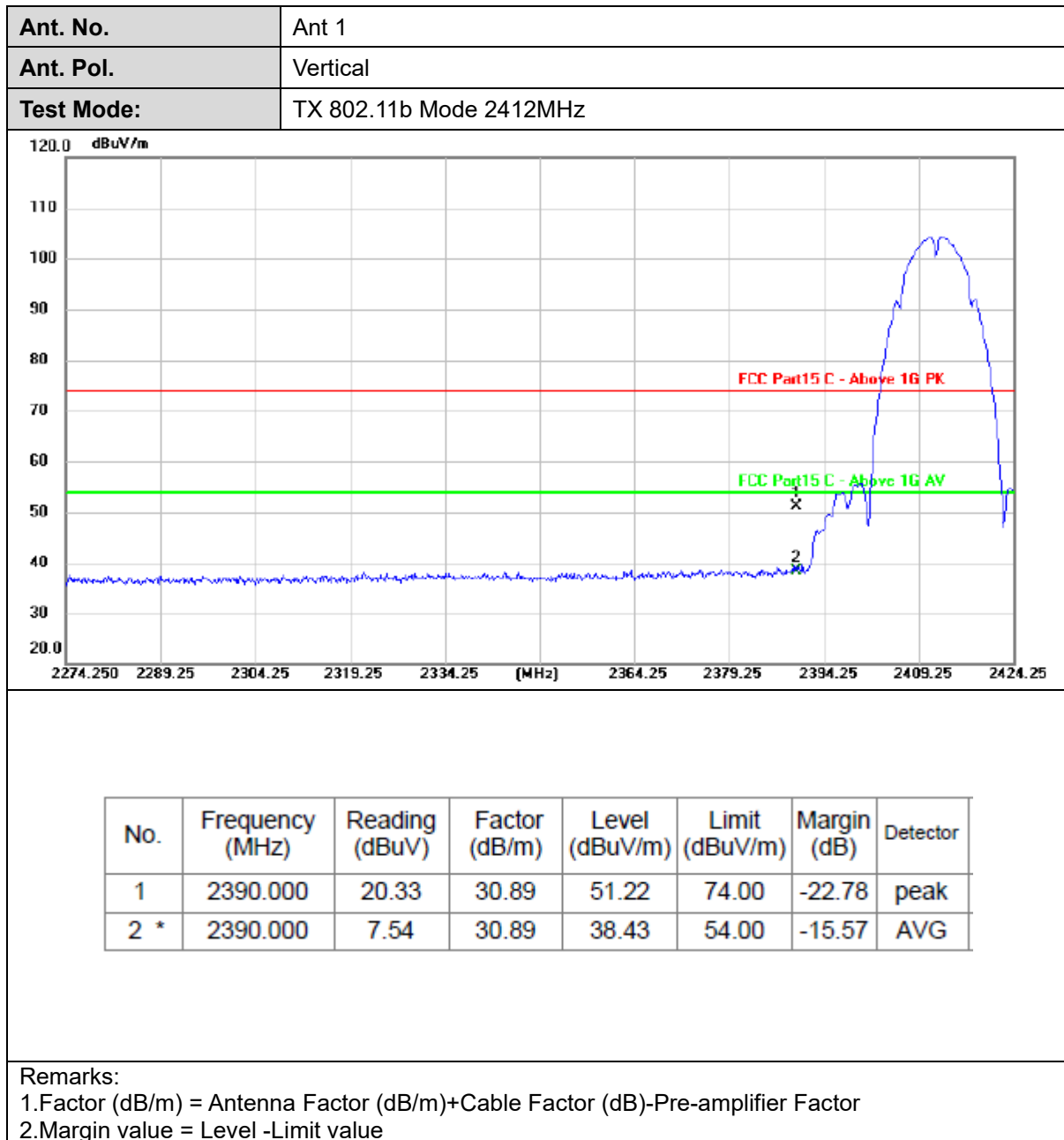
1. The EUT was setup and tested according to ANSI C63.10:2020 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna 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 C63.10:2020 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.

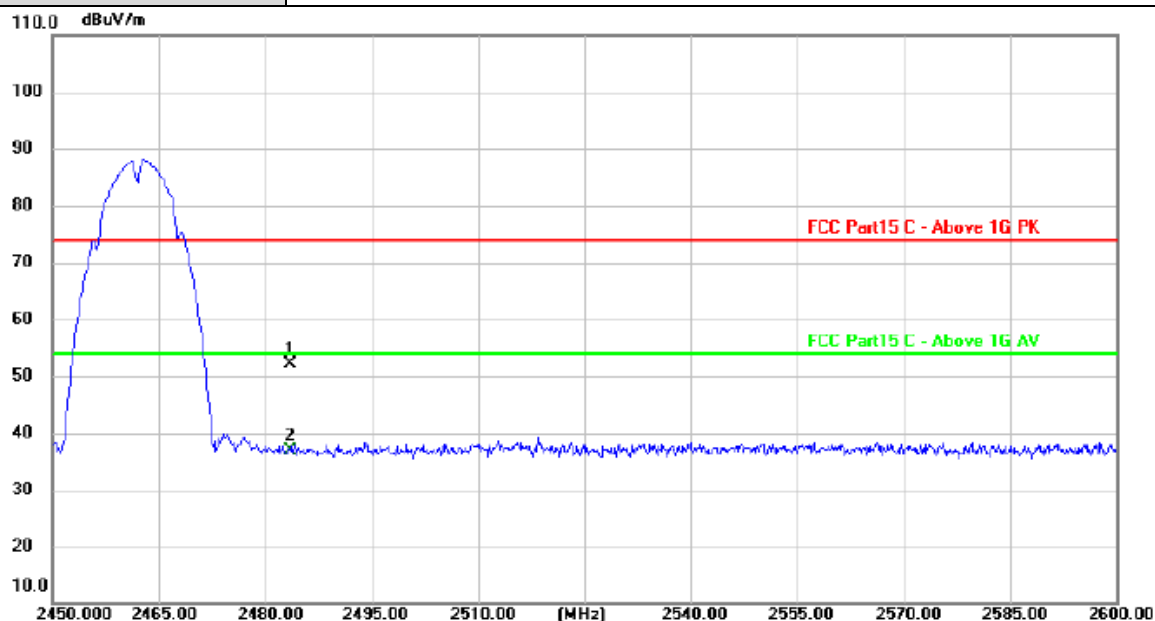
Test Mode

Please refer to the clause 2.4.

Test Result



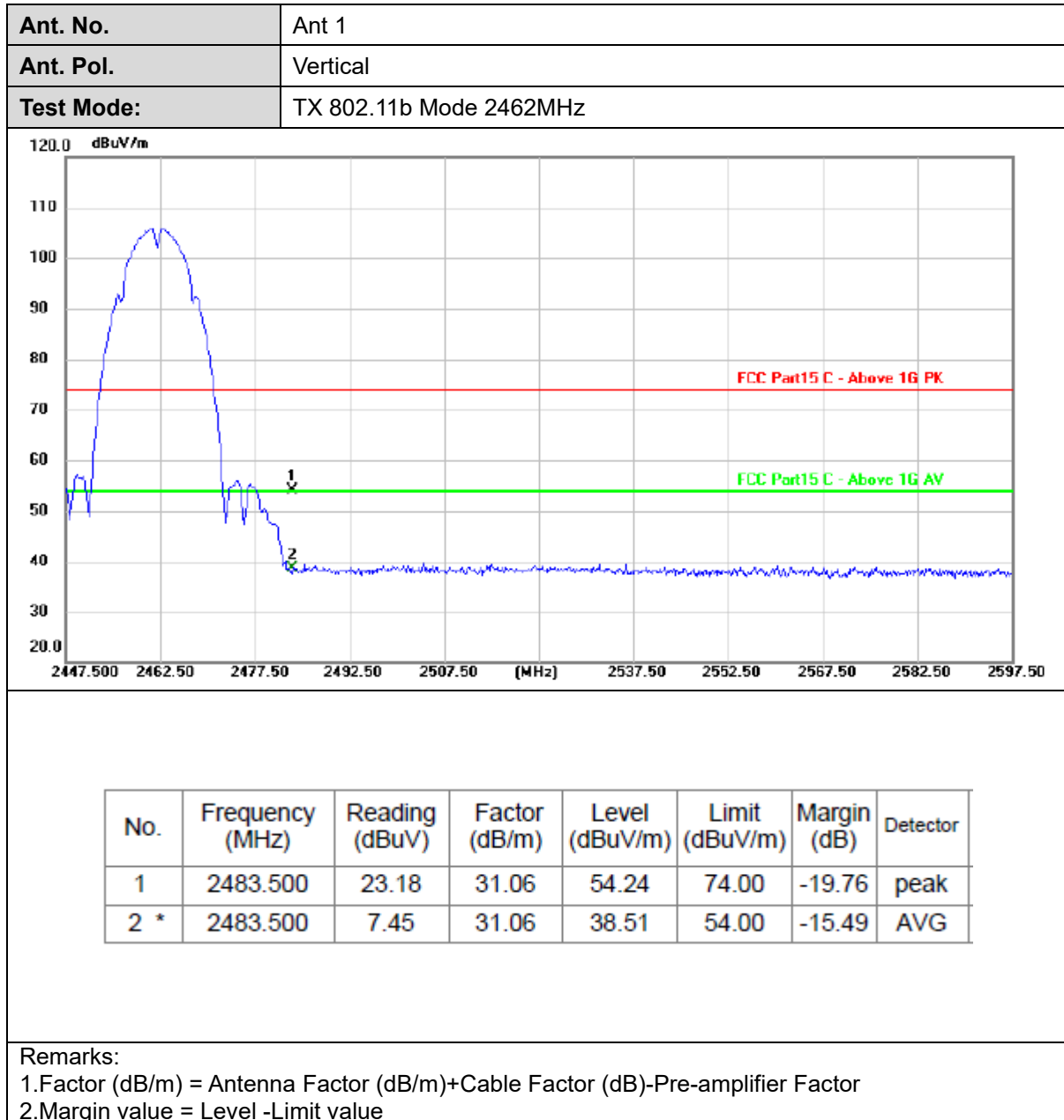
Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11b Mode 2462MHz

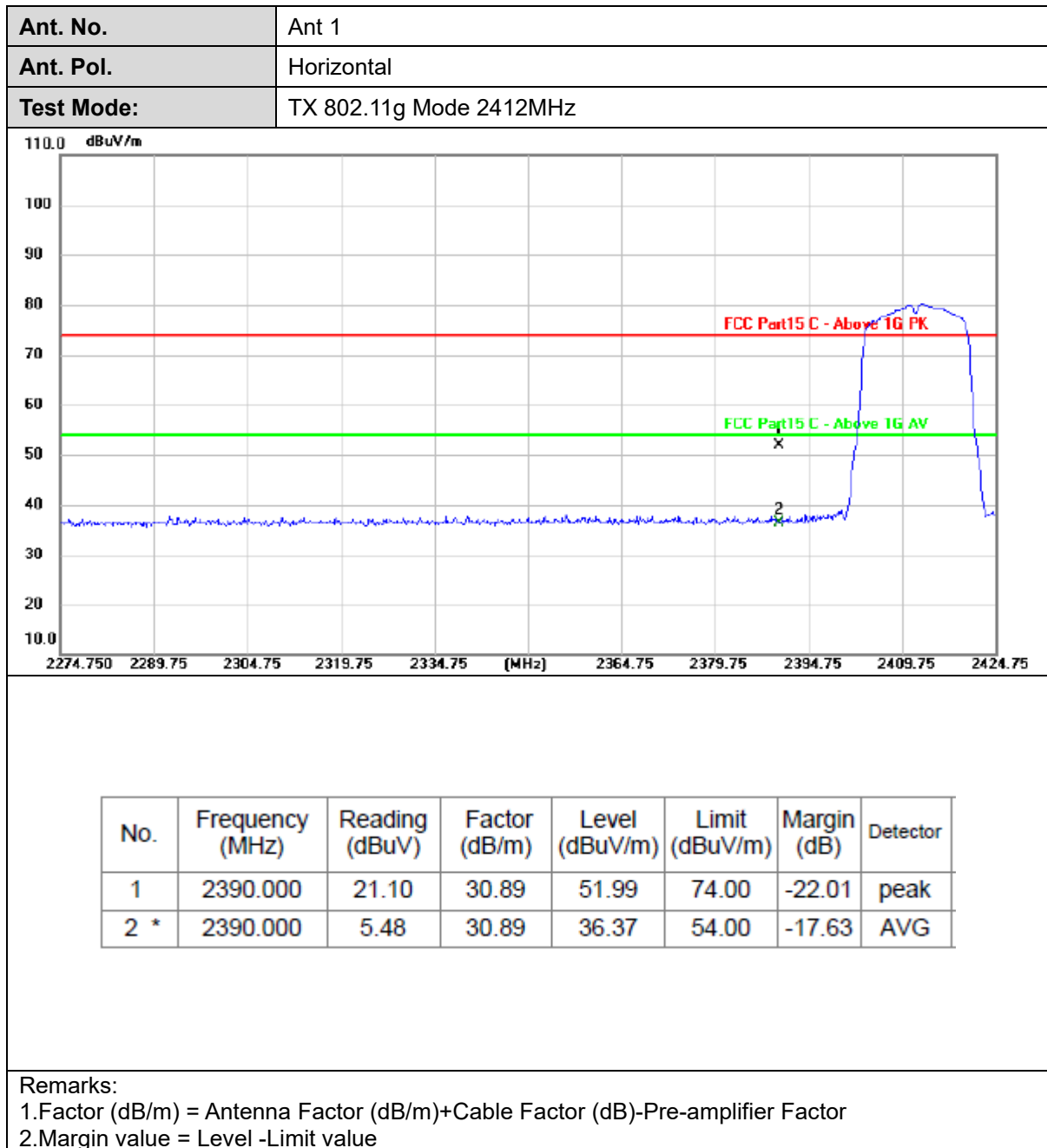


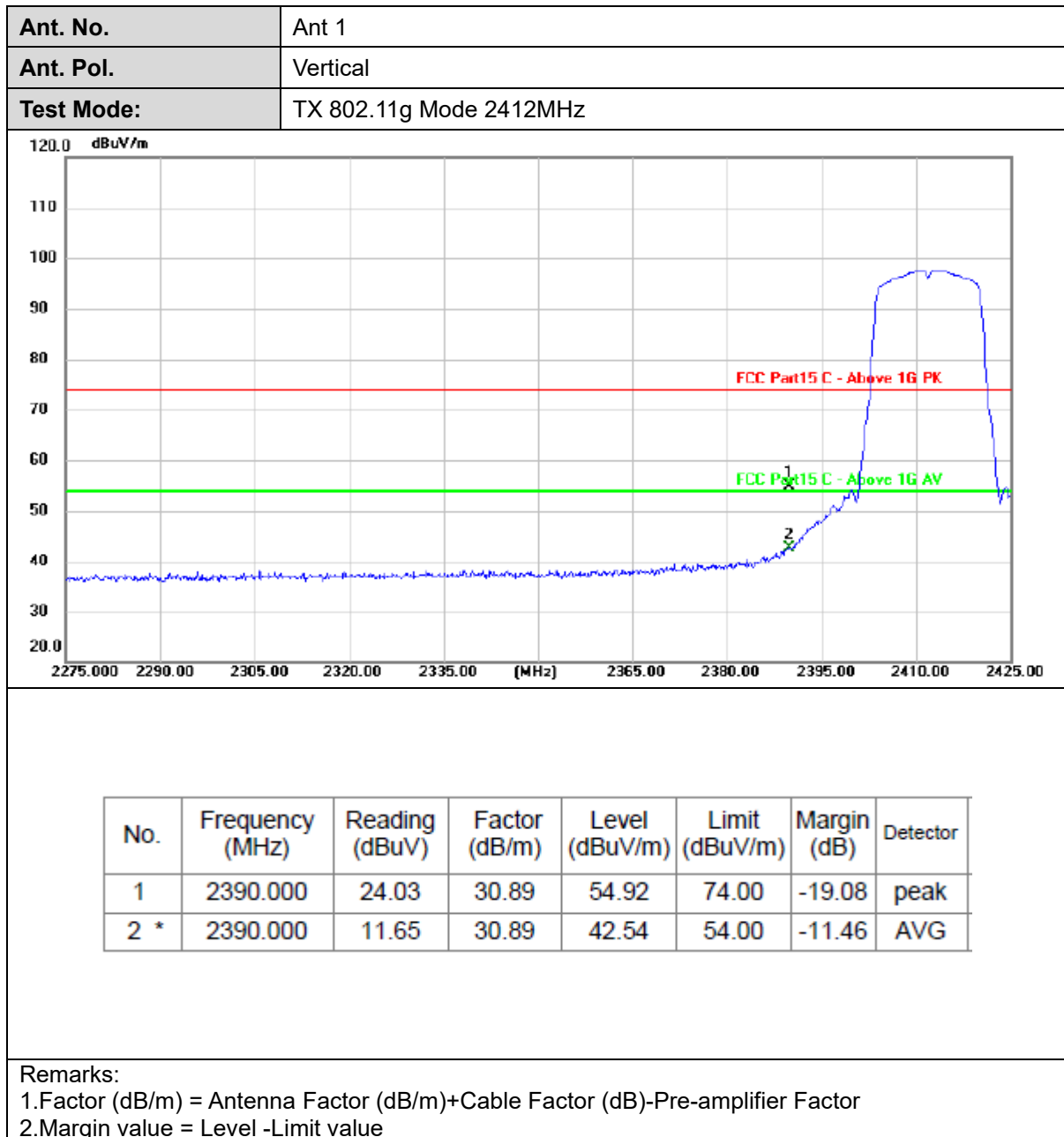
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	20.98	31.06	52.04	74.00	-21.96	peak
2 *	2483.500	5.77	31.06	36.83	54.00	-17.17	AVG

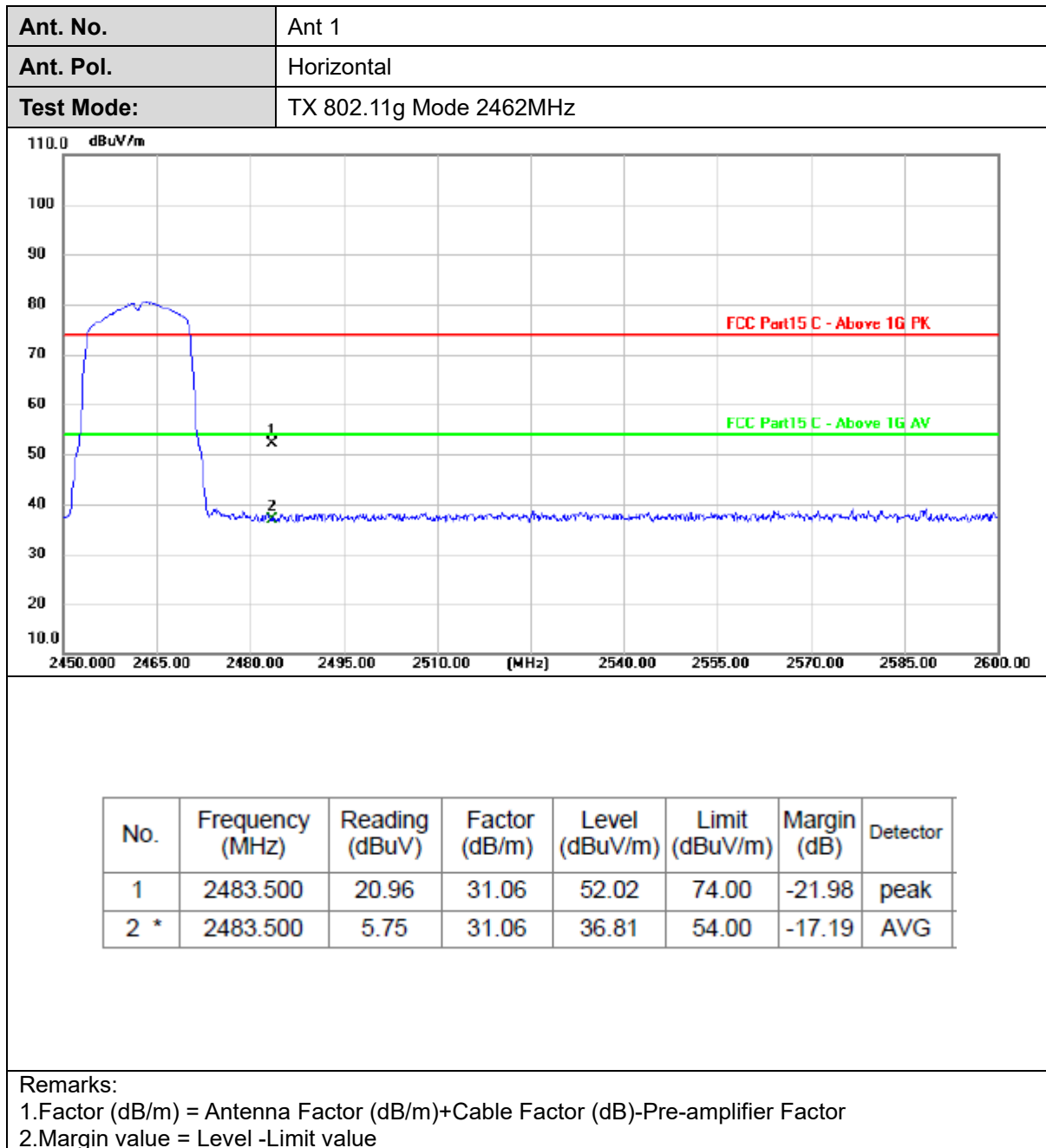
Remarks:

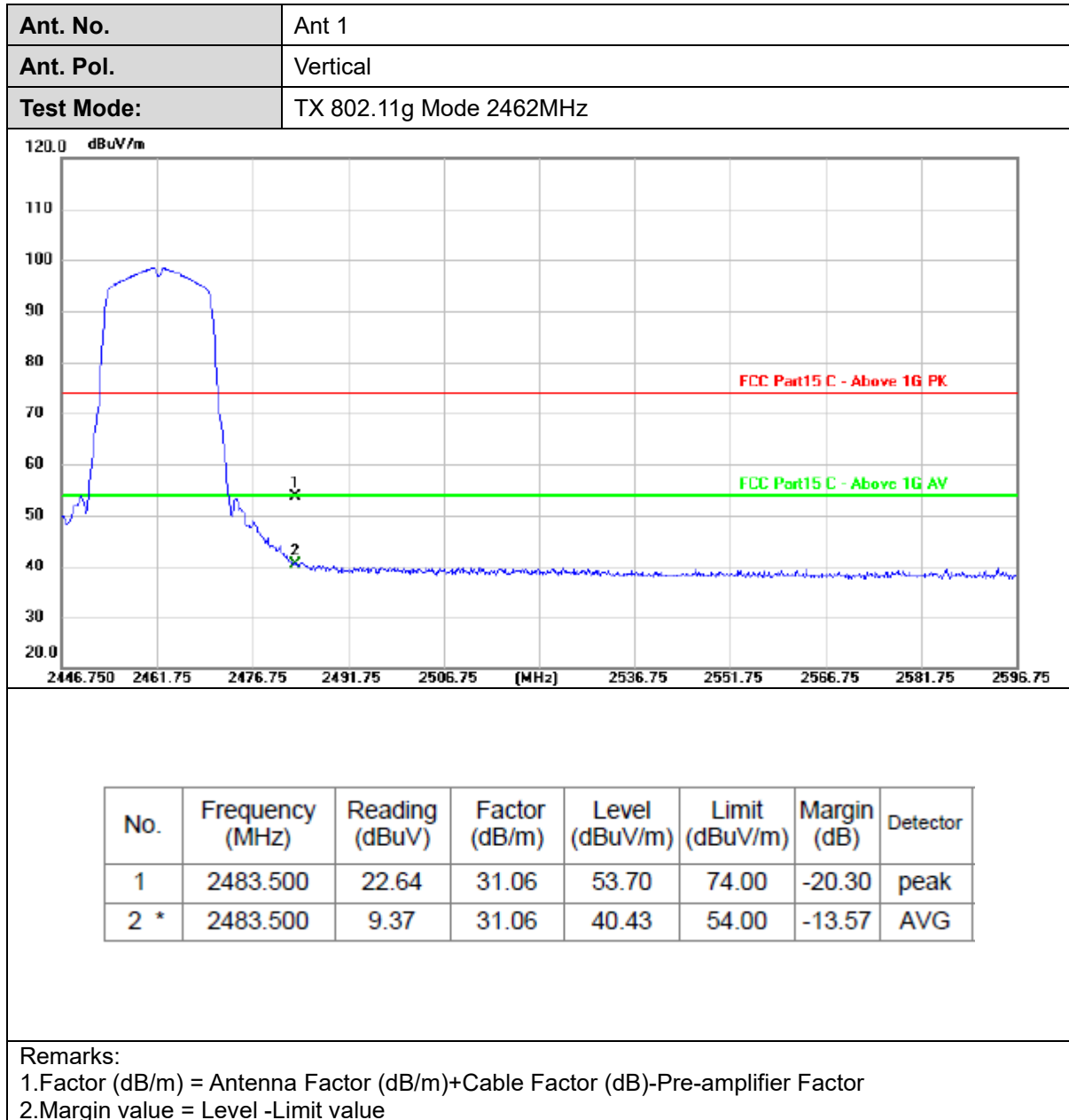
- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value

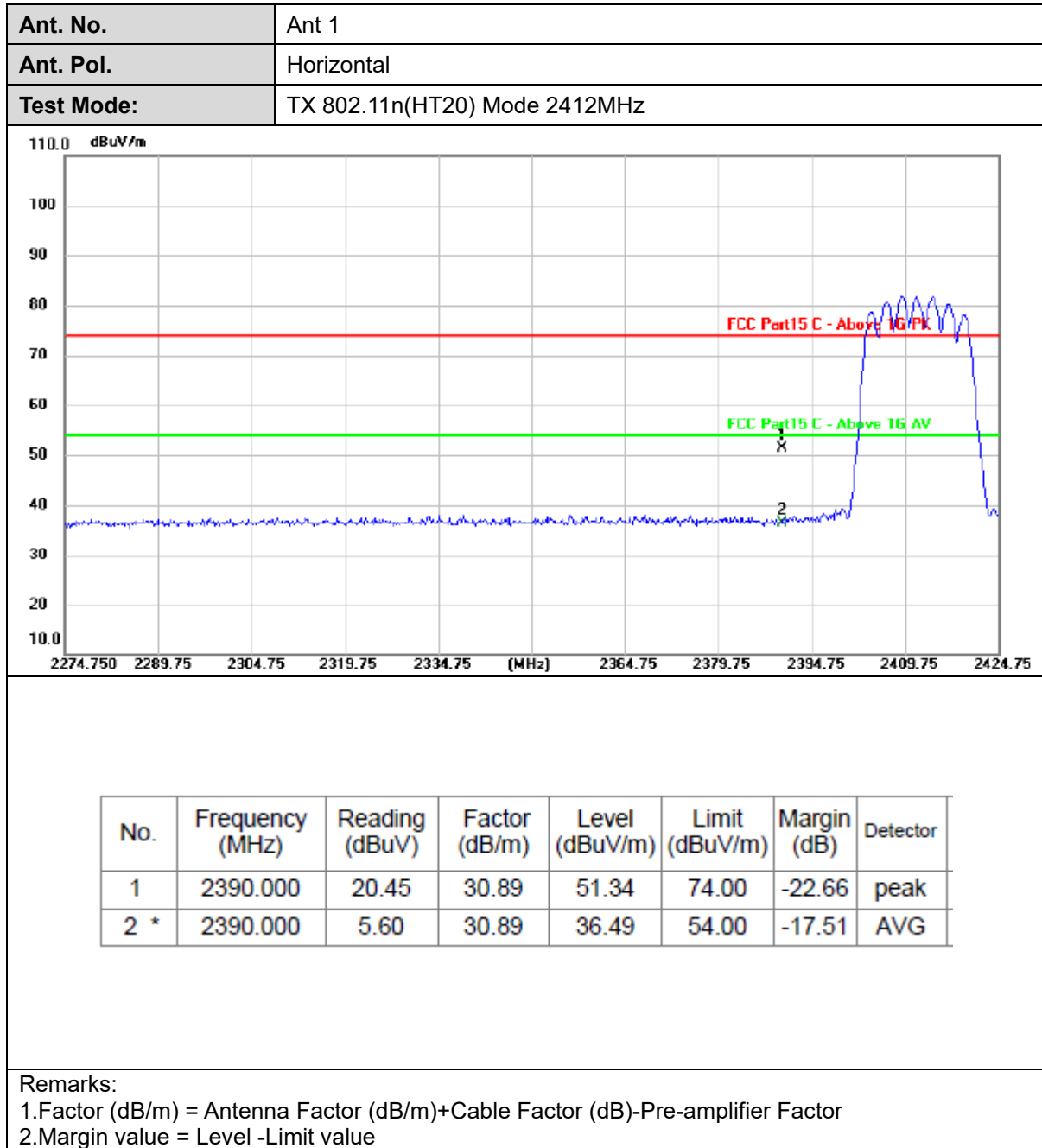


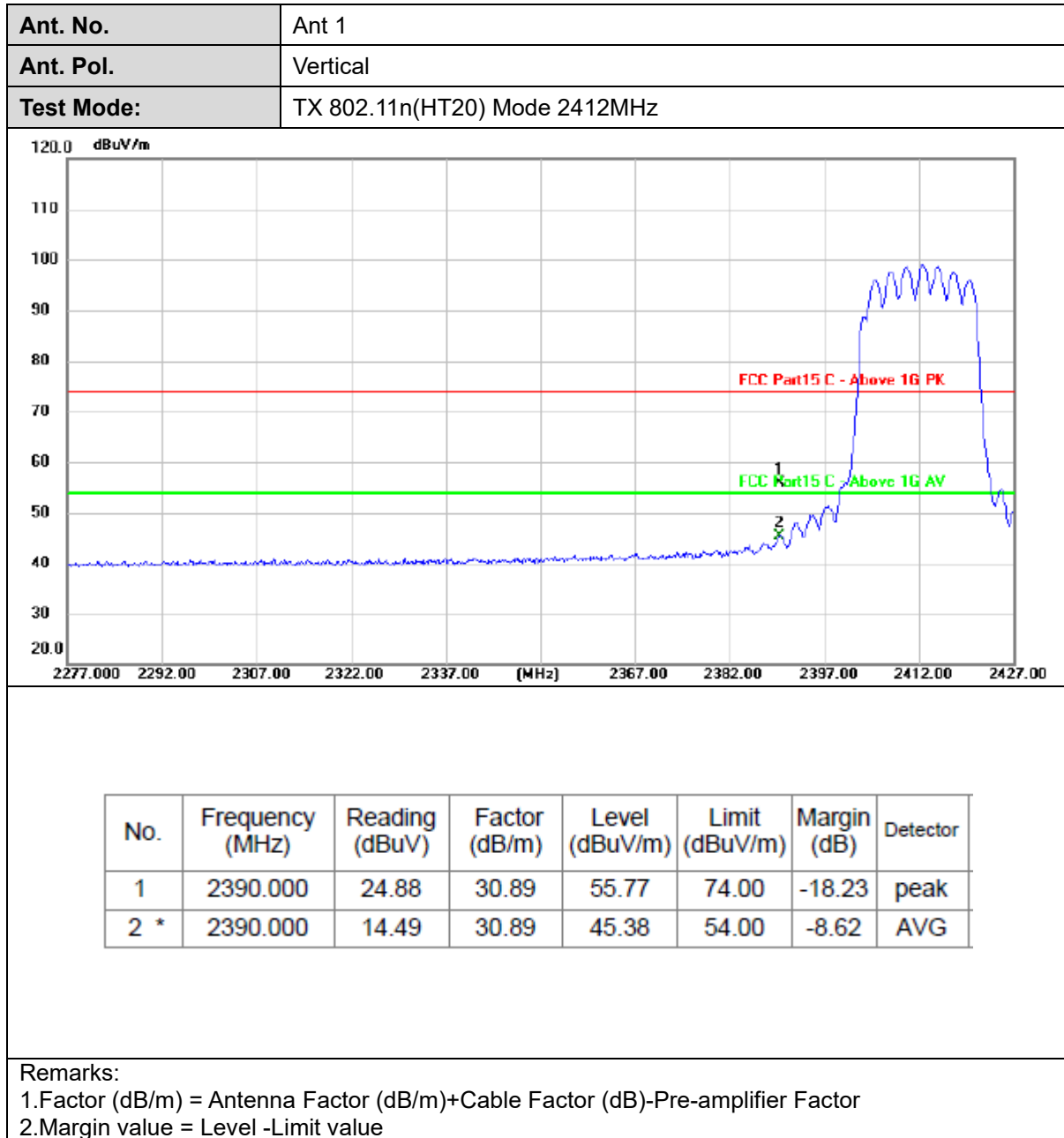


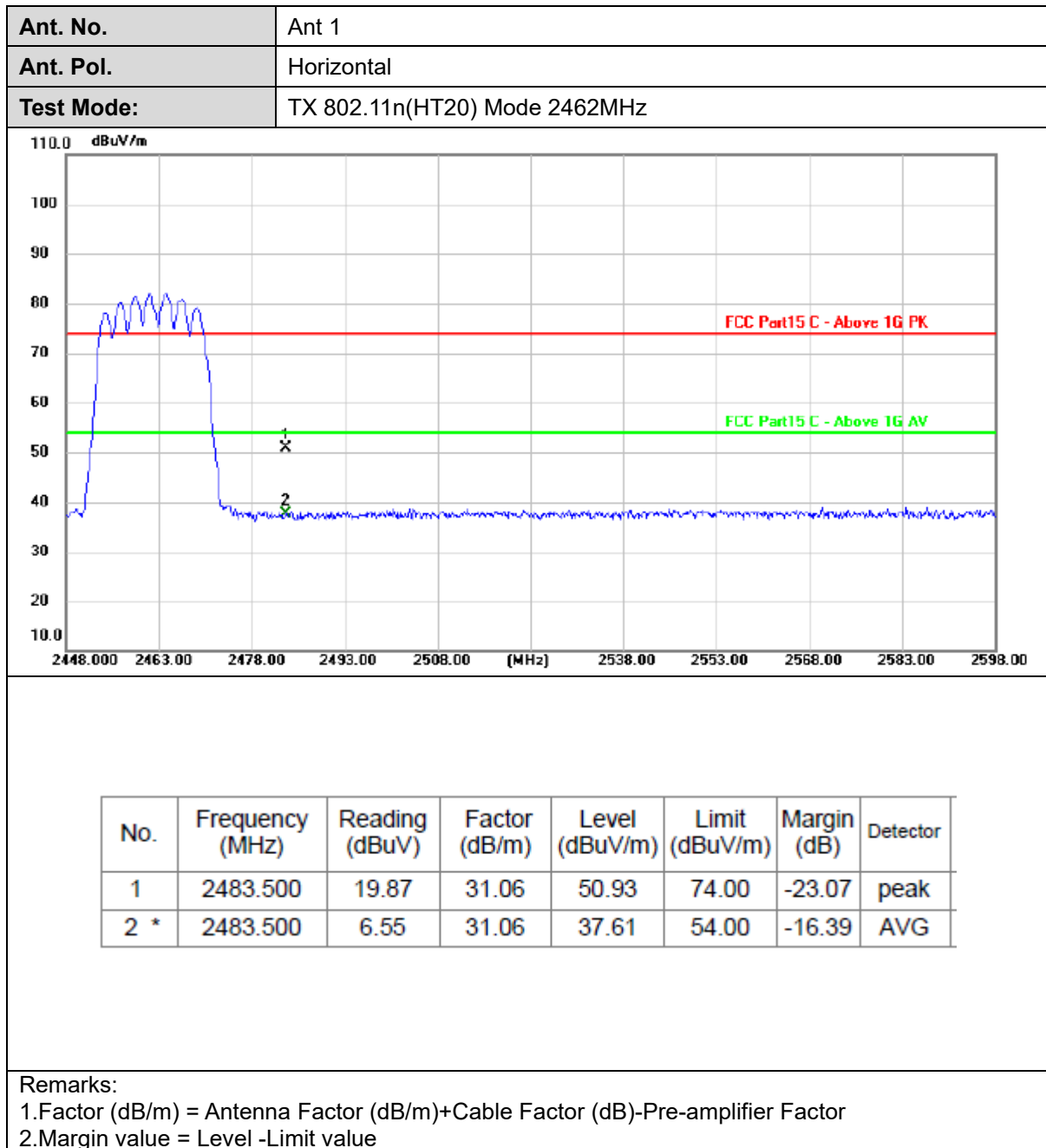


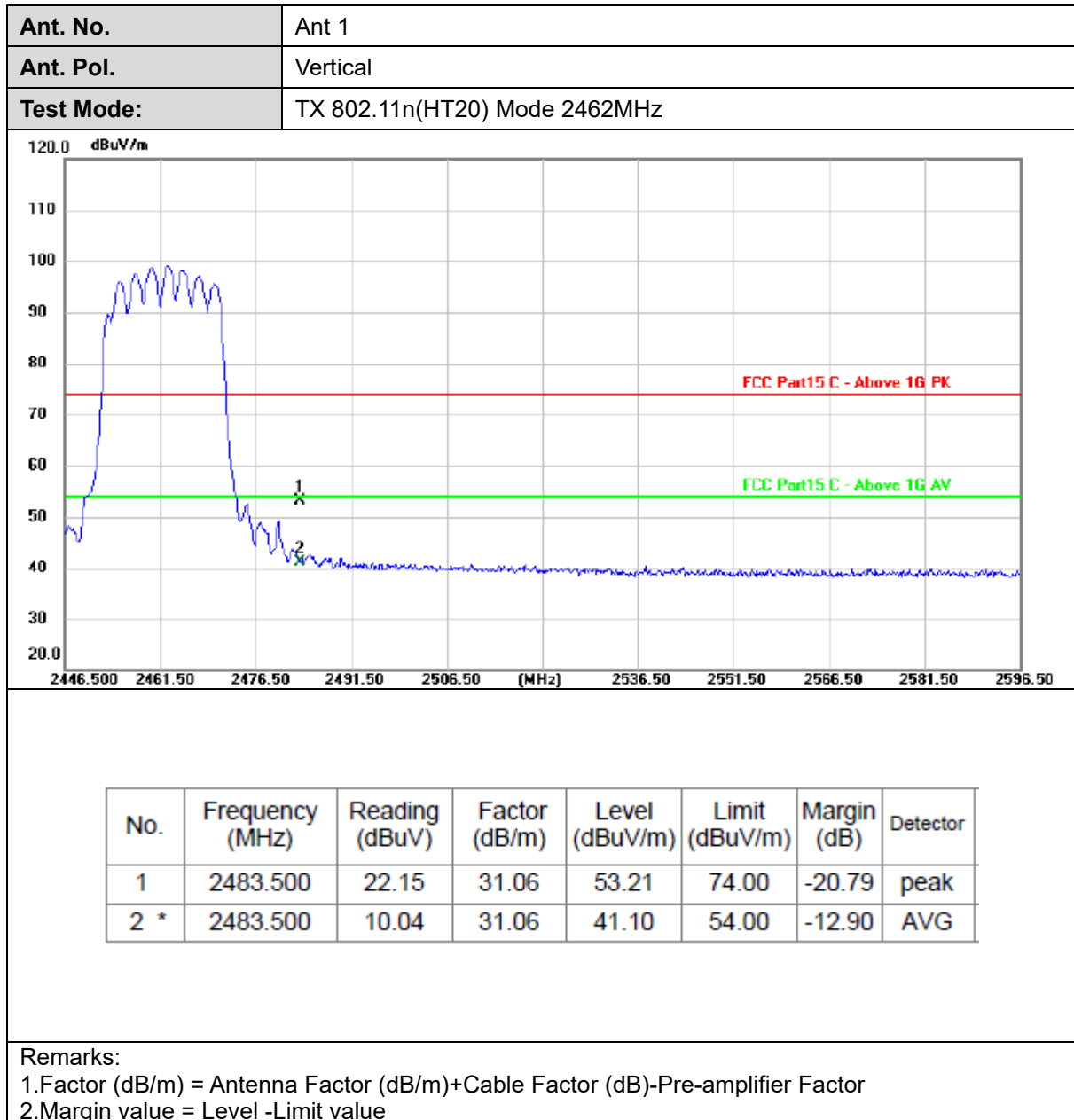


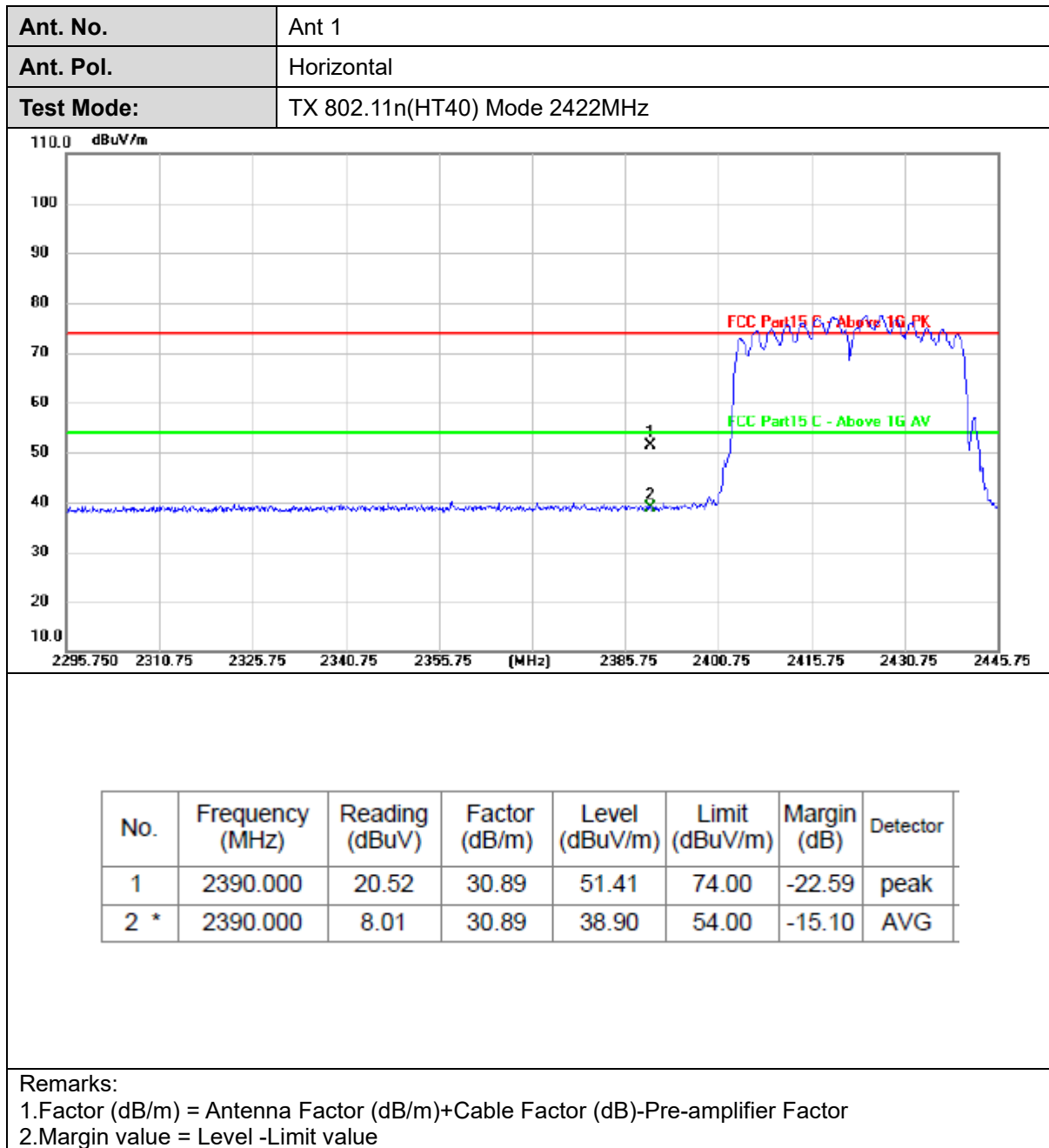


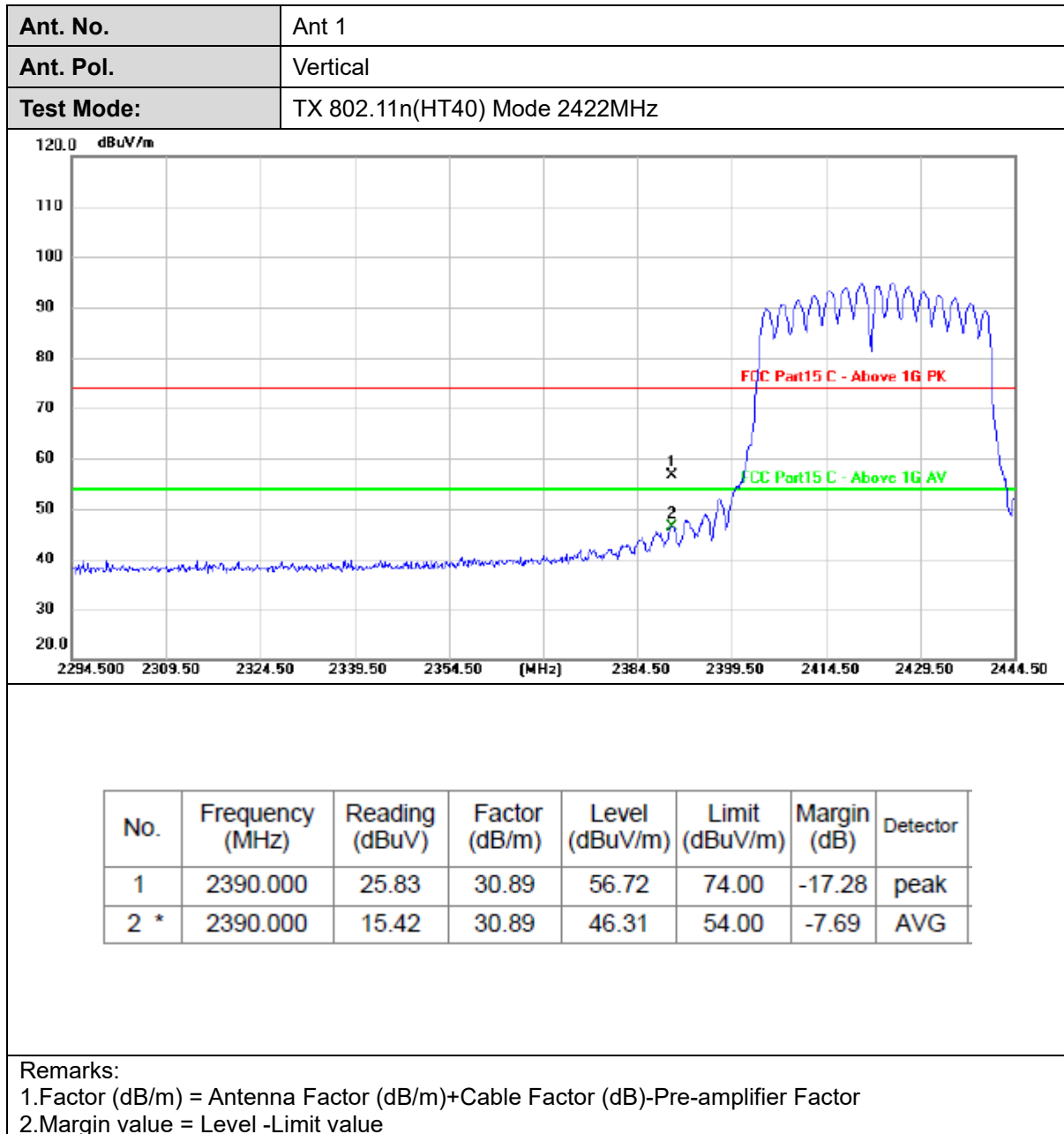


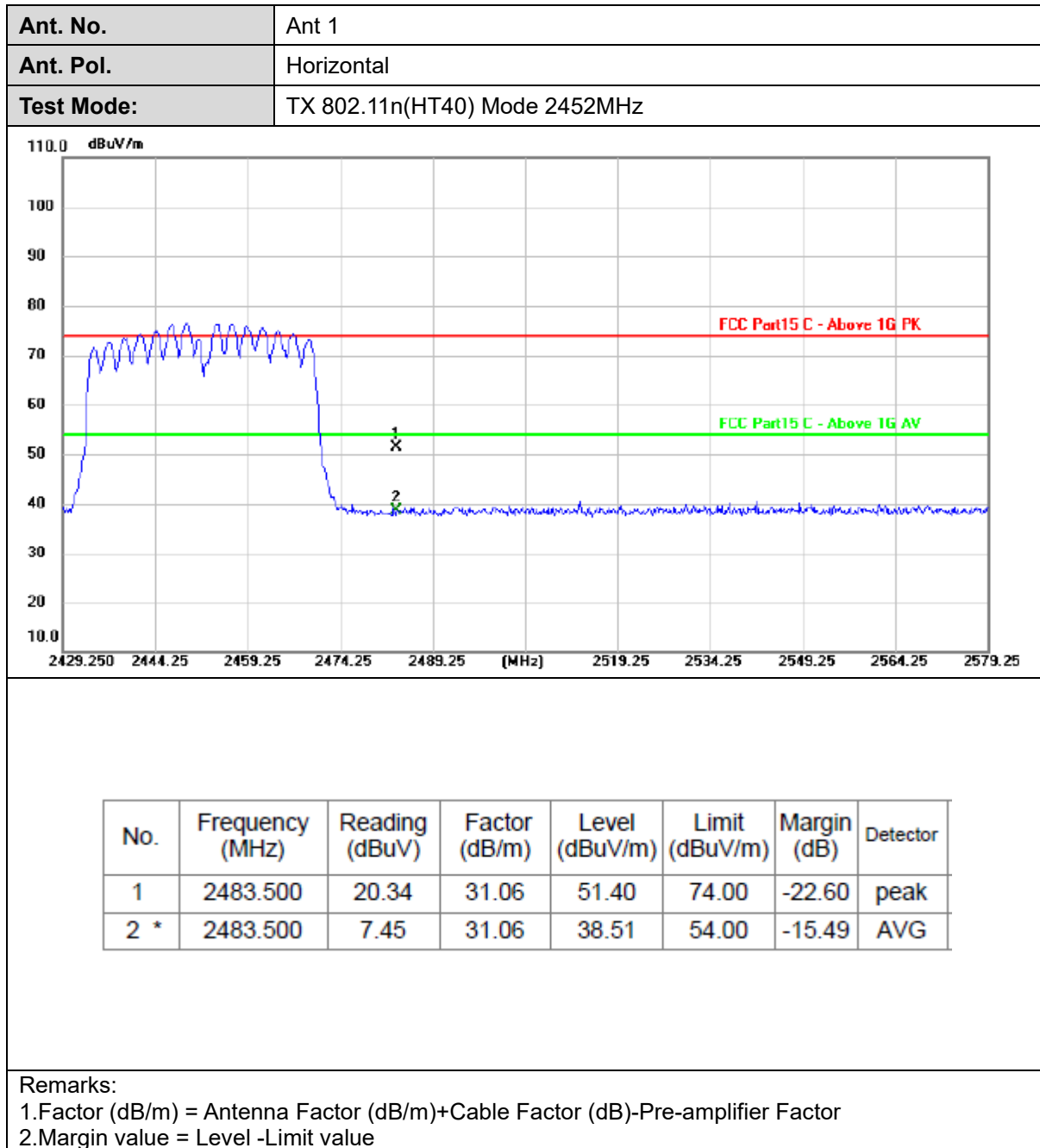


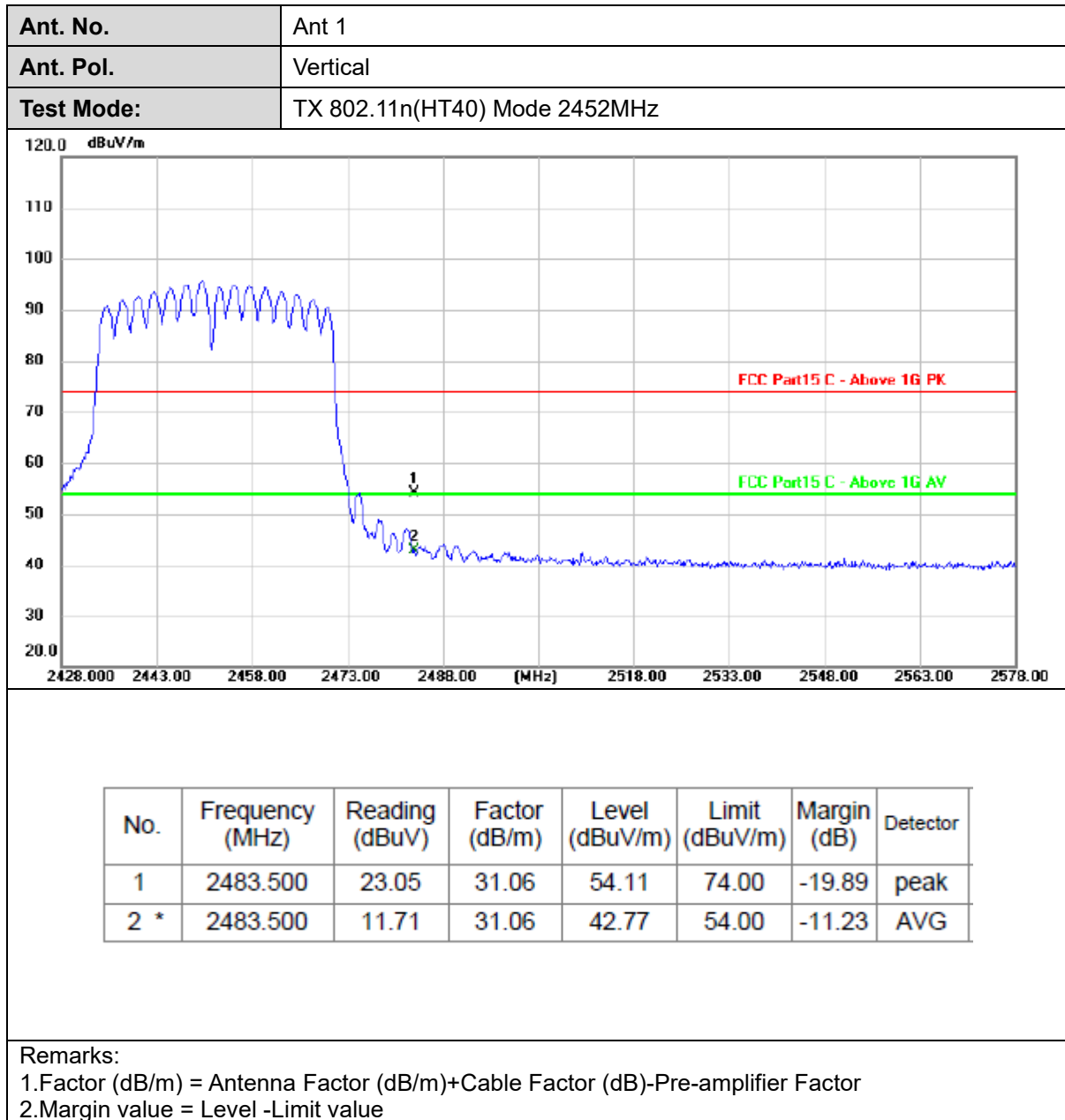


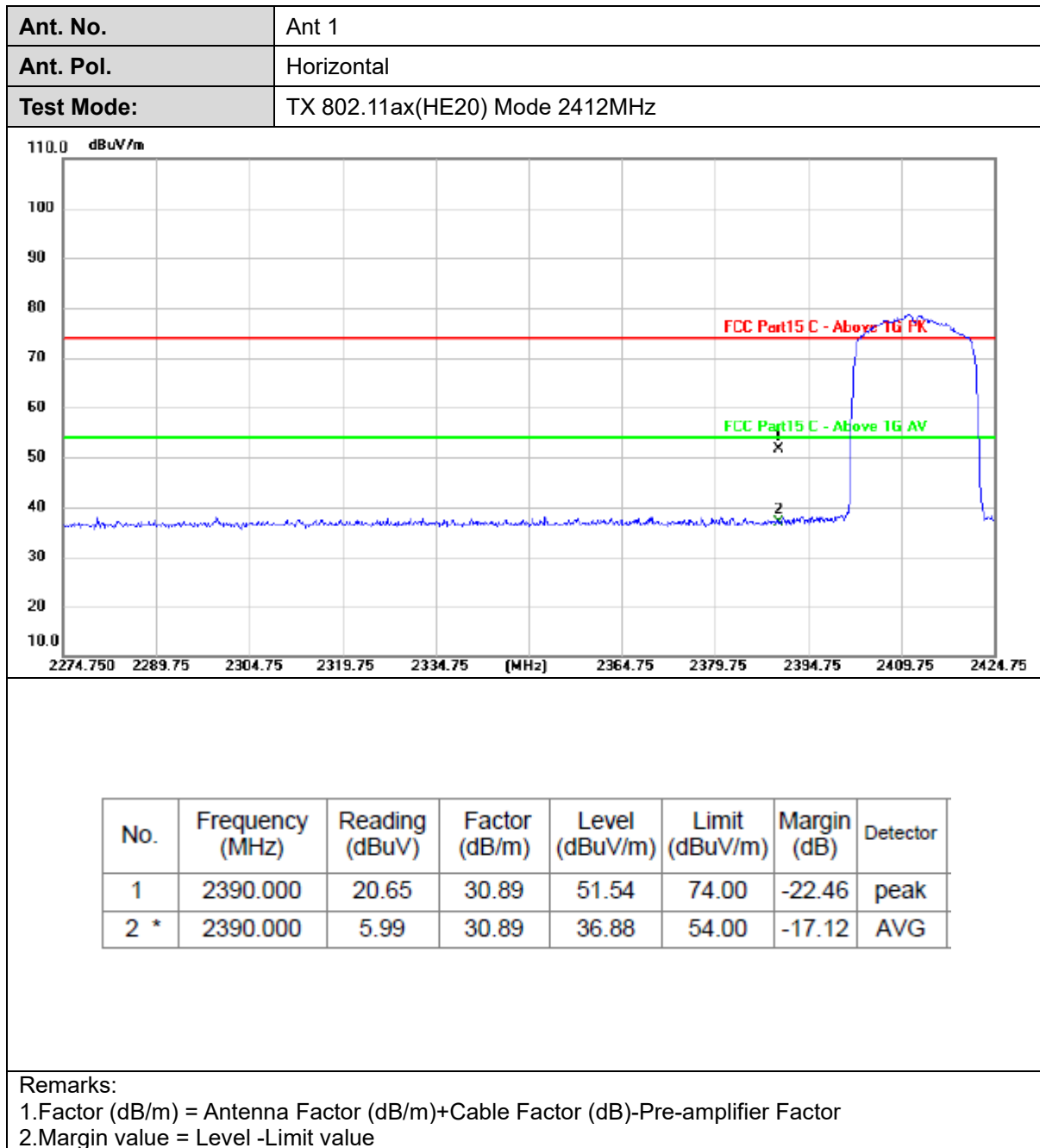


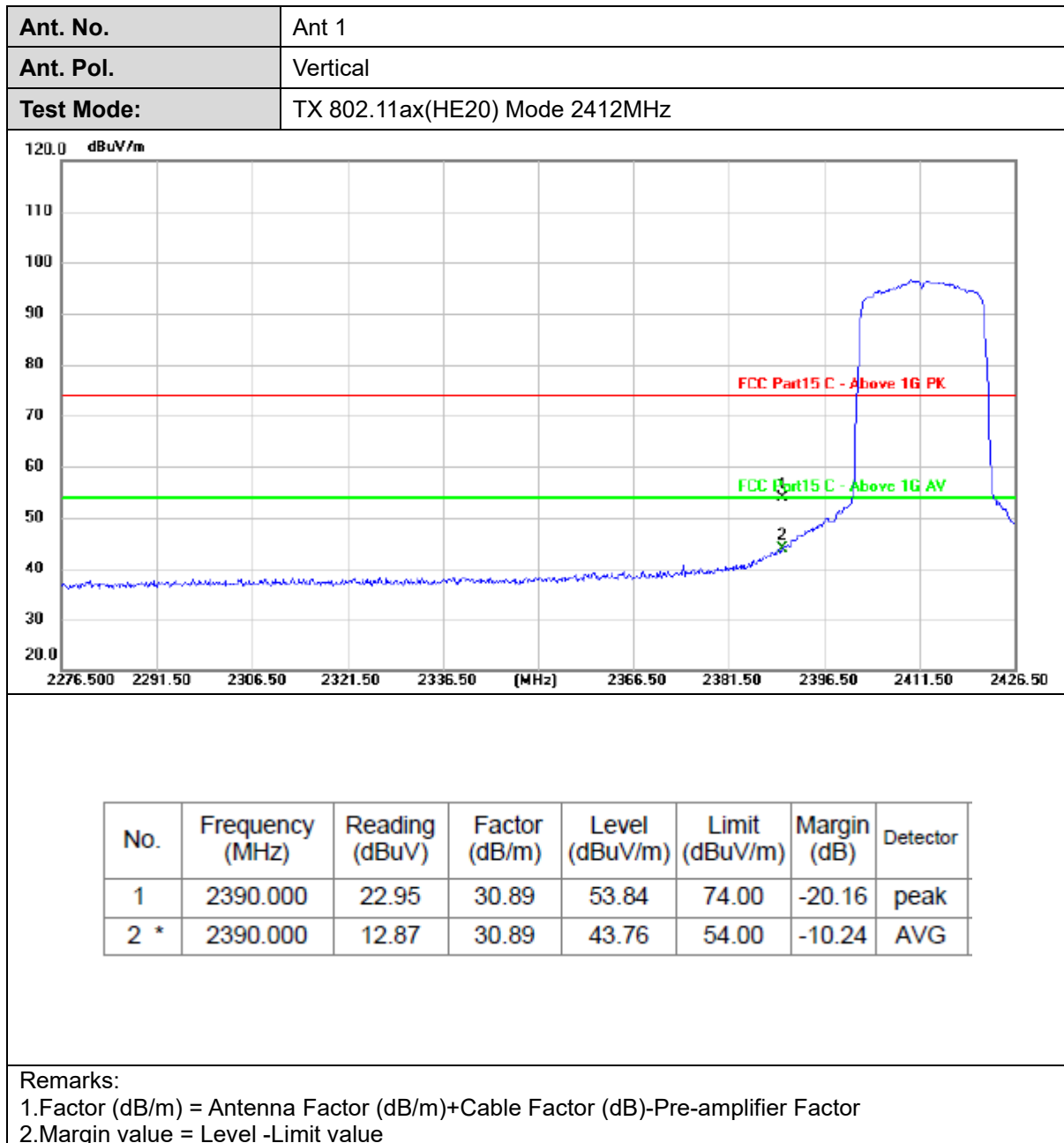


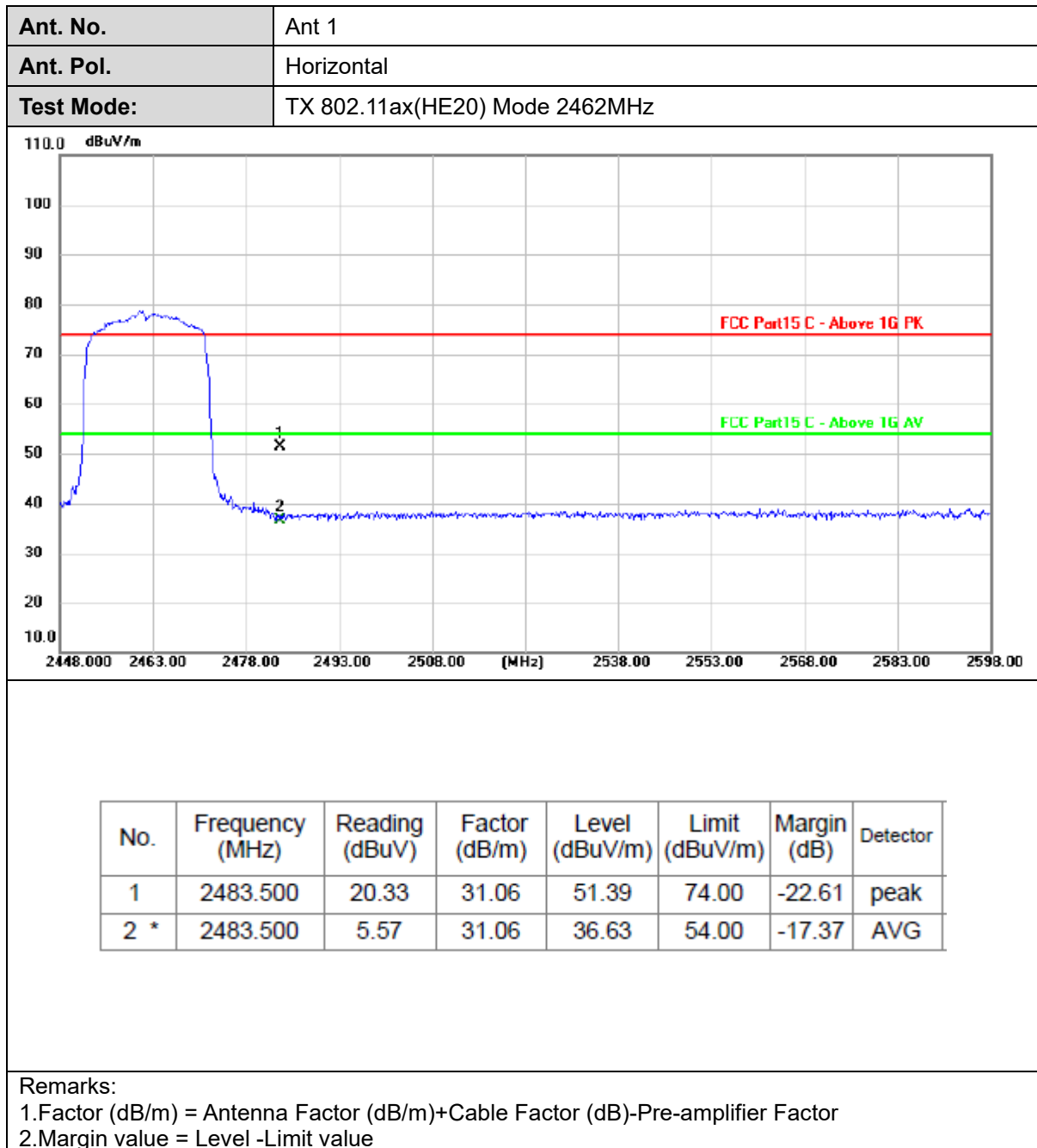


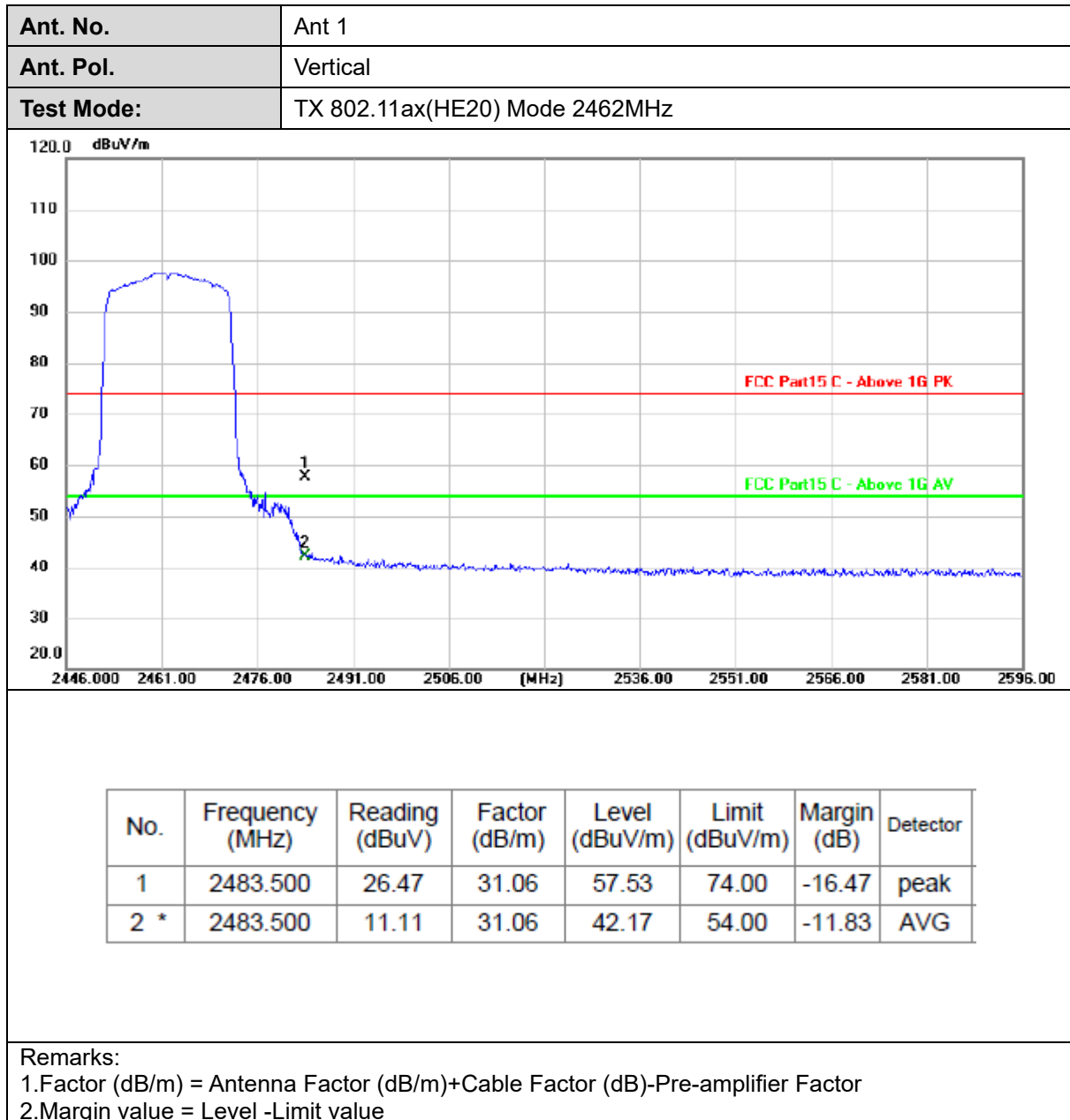


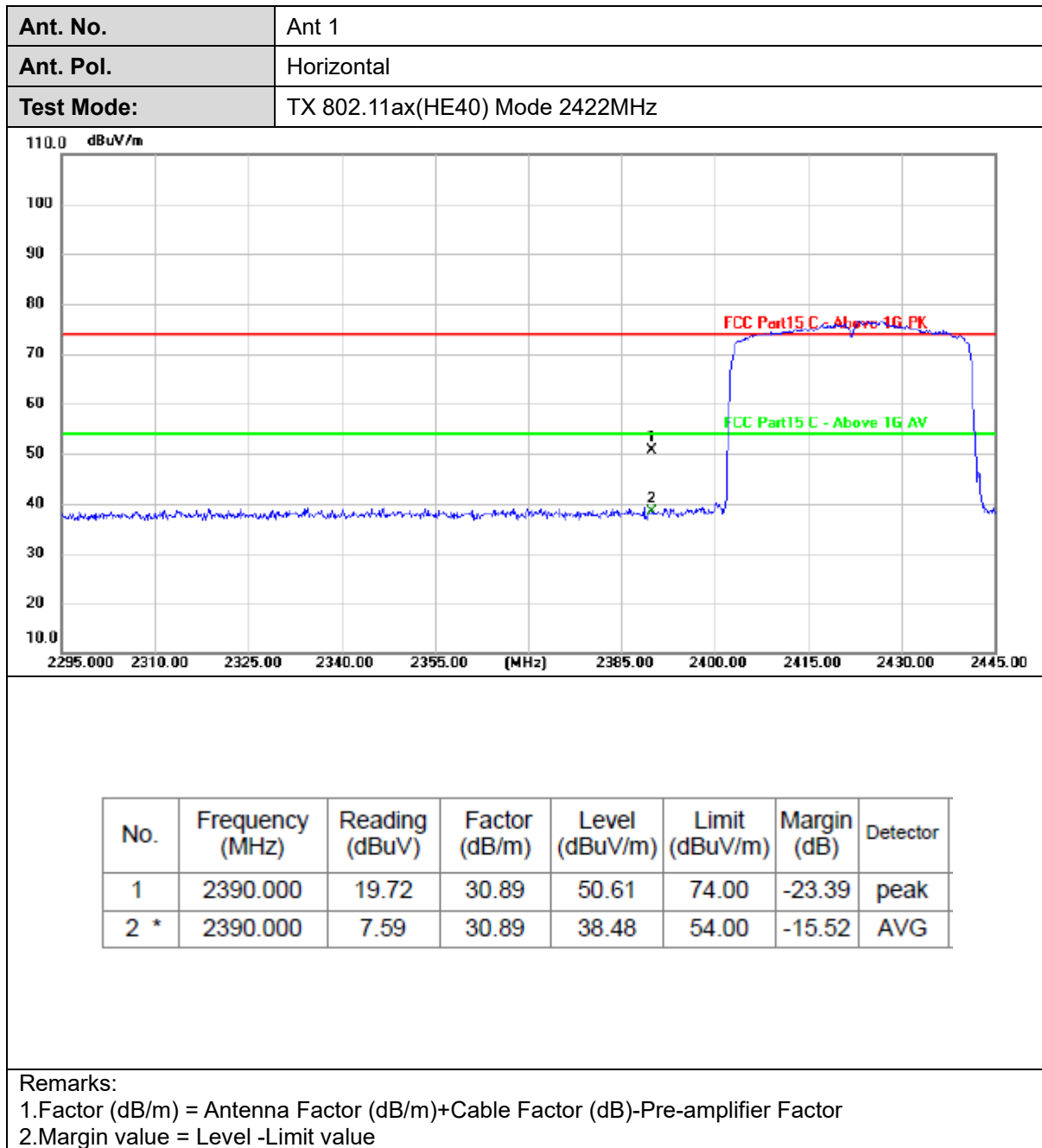


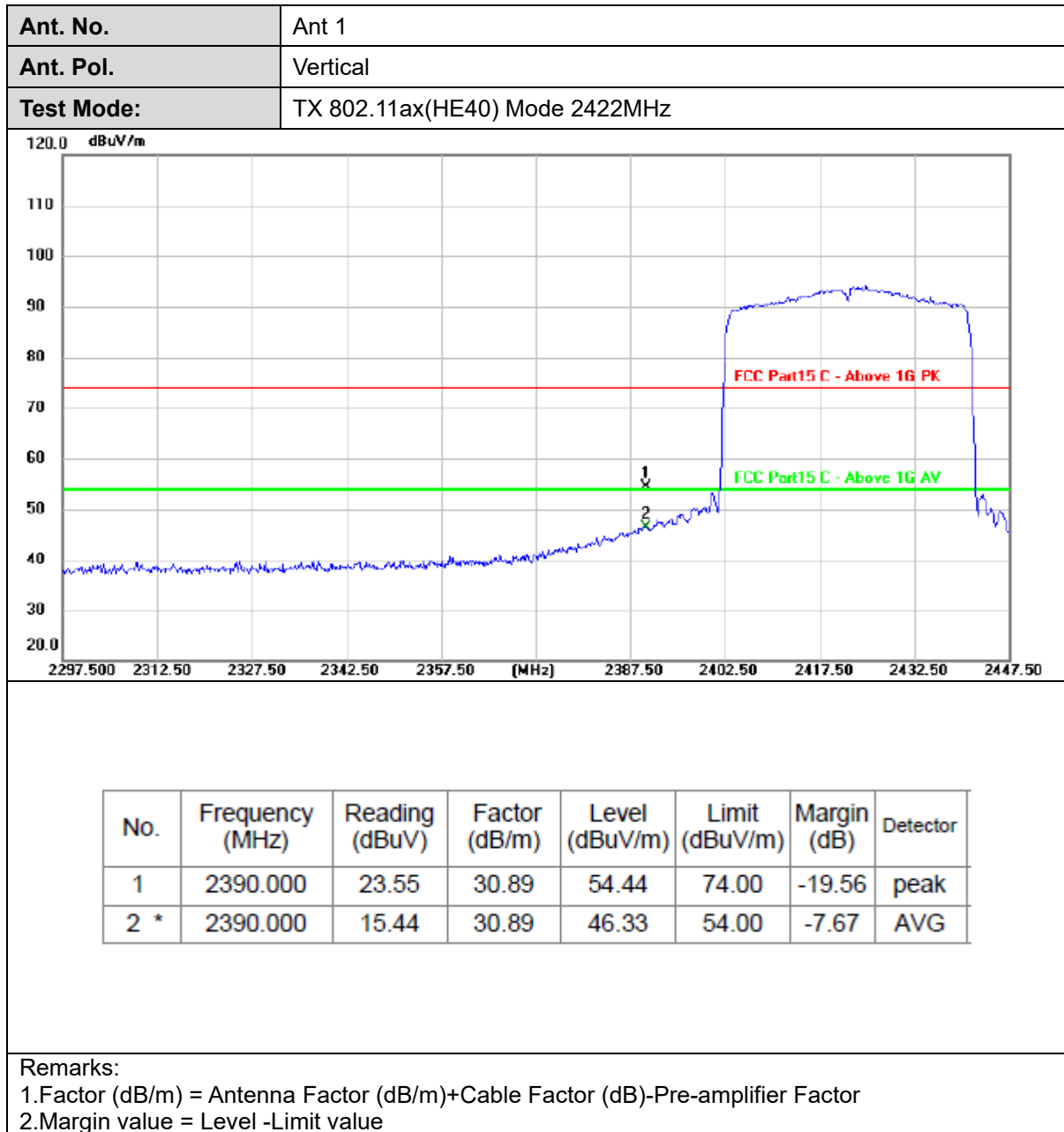


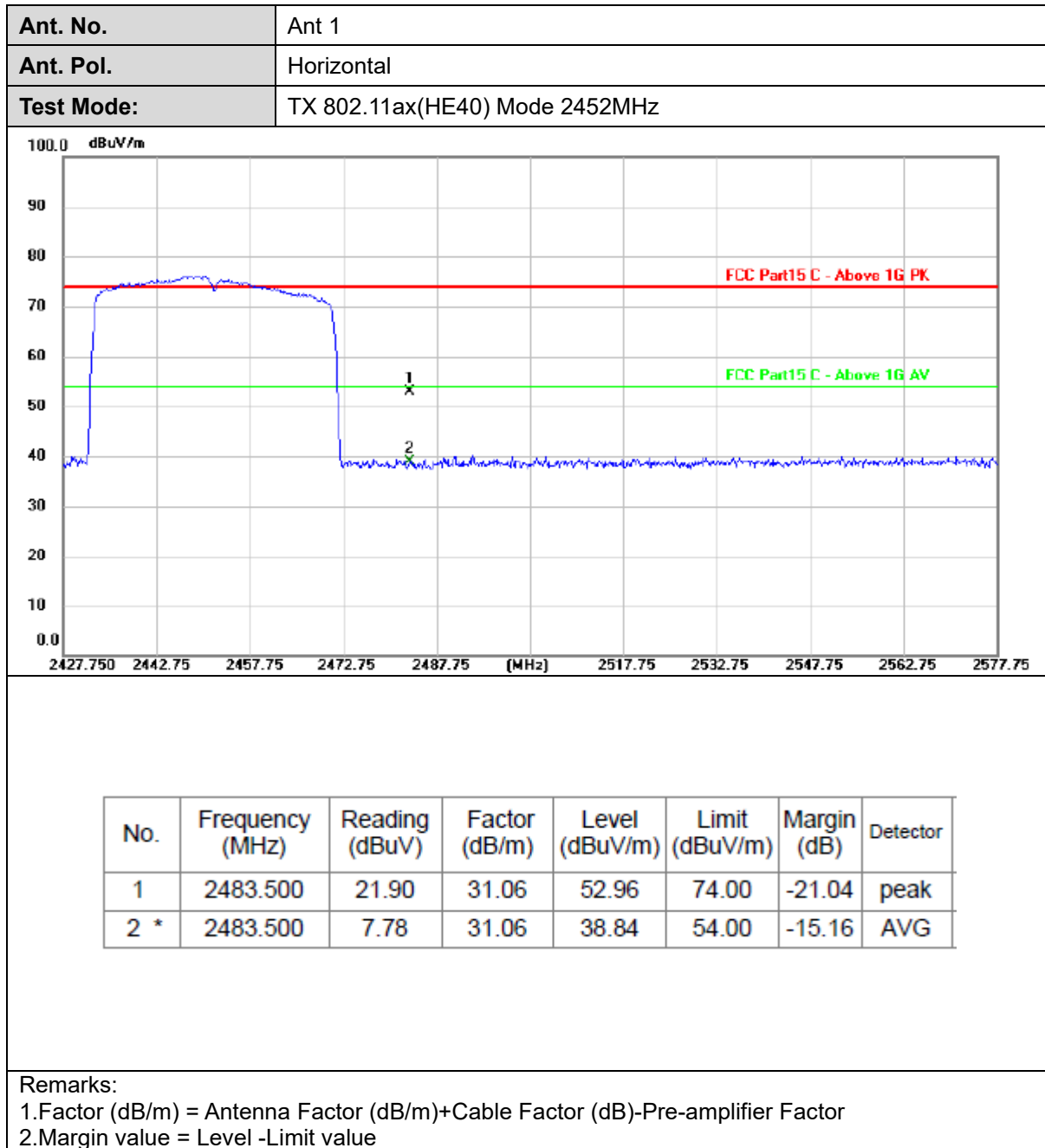


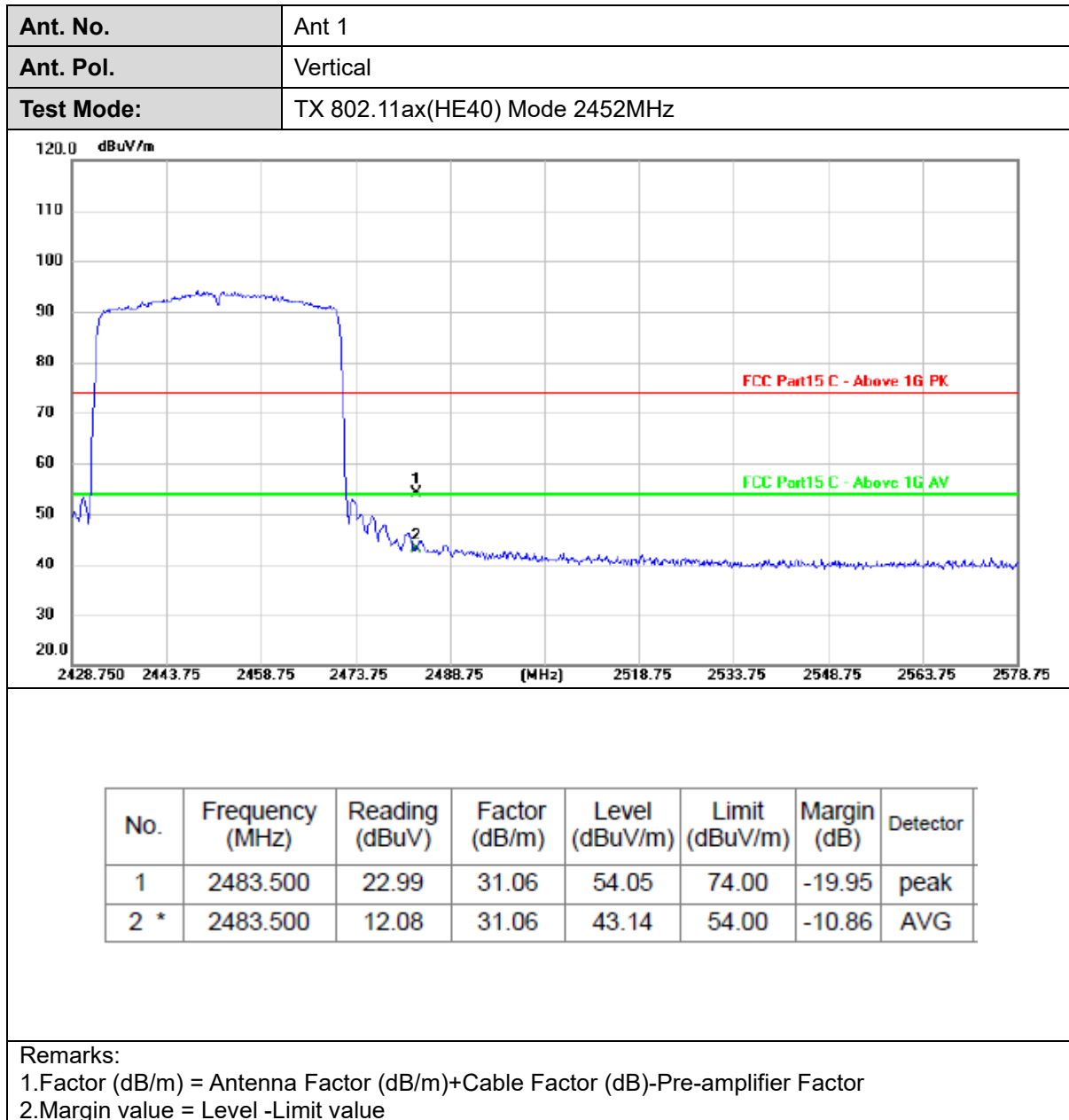












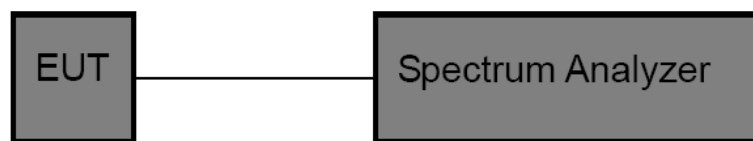
3.4. Band Edge and Spurious Emissions (Conducted)

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 $\geq$ 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**Band Edge Conducted Test:**

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.79	-38.98	≤-13.21	PASS
	Ant2	Low	2412	7.21	-39.24	≤-12.79	PASS
	Ant1	High	2462	6.27	-42.13	≤-13.73	PASS
	Ant2	High	2462	5.47	-43.92	≤-14.53	PASS
11G	Ant1	Low	2412	-0.04	-40.47	≤-20.04	PASS
	Ant2	Low	2412	-0.72	-42.27	≤-20.72	PASS
	Ant1	High	2462	-0.24	-43.44	≤-20.24	PASS
	Ant2	High	2462	-3.13	-42.95	≤-23.13	PASS
11N20MIMO	Ant1	Low	2412	-4.19	-42.57	≤-24.19	PASS
	Ant2	Low	2412	-3.13	-43.42	≤-23.13	PASS
	Ant1	High	2462	-3.08	-43.3	≤-23.08	PASS
	Ant2	High	2462	-4.30	-43.5	≤-24.3	PASS
11N40MIMO	Ant1	Low	2422	-7.28	-43.66	≤-27.28	PASS
	Ant2	Low	2422	-8.20	-42.69	≤-28.2	PASS
	Ant1	High	2452	-6.15	-43.87	≤-26.15	PASS
	Ant2	High	2452	-7.96	-44.09	≤-27.96	PASS
11AX20MIMO	Ant1	Low	2412	-4.63	-43.25	≤-24.63	PASS
	Ant2	Low	2412	-4.50	-43.51	≤-24.5	PASS
	Ant1	High	2462	-4.61	-43.96	≤-24.61	PASS
	Ant2	High	2462	-6.65	-42.65	≤-26.65	PASS
11AX40MIMO	Ant1	Low	2422	-8.12	-44.02	≤-28.12	PASS
	Ant2	Low	2422	-8.21	-43.74	≤-28.21	PASS
	Ant1	High	2452	-7.78	-44.32	≤-27.78	PASS
	Ant2	High	2452	-8.62	-43.31	≤-28.62	PASS

Conducted Spurious Emissions Test:

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.06	7.06	---	PASS
			30~1000	7.06	-49.48	≤-12.94	PASS
			1000~26500	7.06	-38.32	≤-12.94	PASS
	Ant2	2412	Reference	6.98	6.98	---	PASS
			30~1000	6.98	-49.8	≤-13.02	PASS
			1000~26500	6.98	-37.53	≤-13.02	PASS
	Ant1	2437	Reference	7.28	7.28	---	PASS
			30~1000	7.28	-44.95	≤-12.72	PASS
			1000~26500	7.28	-38.82	≤-12.72	PASS
	Ant2	2437	Reference	6.58	6.58	---	PASS
			30~1000	6.58	-49.8	≤-13.42	PASS
			1000~26500	6.58	-39.19	≤-13.42	PASS
	Ant1	2462	Reference	7.07	7.07	---	PASS
			30~1000	7.07	-48.52	≤-12.93	PASS
			1000~26500	7.07	-38.92	≤-12.93	PASS
	Ant2	2462	Reference	6.76	6.76	---	PASS
			30~1000	6.76	-50.36	≤-13.24	PASS
			1000~26500	6.76	-39.31	≤-13.24	PASS
11G	Ant1	2412	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-47.48	≤-19.94	PASS
			1000~26500	0.06	-38.54	≤-19.94	PASS
	Ant2	2412	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-49.73	≤-20.26	PASS
			1000~26500	-0.26	-39.37	≤-20.26	PASS
	Ant1	2437	Reference	-0.57	-0.57	---	PASS
			30~1000	-0.57	-48.51	≤-20.57	PASS
			1000~26500	-0.57	-39.2	≤-20.57	PASS
	Ant2	2437	Reference	-0.41	-0.41	---	PASS
			30~1000	-0.41	-49.34	≤-20.41	PASS
			1000~26500	-0.41	-39.68	≤-20.41	PASS
	Ant1	2462	Reference	-0.34	-0.34	---	PASS
			30~1000	-0.34	-49.81	≤-20.34	PASS
			1000~26500	-0.34	-39.08	≤-20.34	PASS
	Ant2	2462	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-49.67	≤-20.26	PASS
			1000~26500	-0.26	-39.32	≤-20.26	PASS
11N20MIMO	Ant1	2412	Reference	-2.83	-2.83	---	PASS
			30~1000	-2.83	-48.71	≤-22.83	PASS
			1000~26500	-2.83	-38.24	≤-22.83	PASS
	Ant2	2412	Reference	-2.91	-2.91	---	PASS
			30~1000	-2.91	-49.33	≤-22.91	PASS
			1000~26500	-2.91	-39.78	≤-22.91	PASS
	Ant1	2437	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-49.86	≤-22.49	PASS
			1000~26500	-2.49	-39.41	≤-22.49	PASS
	Ant2	2437	Reference	-3.77	-3.77	---	PASS
			30~1000	-3.77	-49.54	≤-23.77	PASS
			1000~26500	-3.77	-39.73	≤-23.77	PASS
	Ant1	2462	Reference	-2.65	-2.65	---	PASS
			30~1000	-2.65	-49.07	≤-22.65	PASS
			1000~26500	-2.65	-39.34	≤-22.65	PASS
	Ant2	2462	Reference	-3.21	-3.21	---	PASS
			30~1000	-3.21	-49.96	≤-23.21	PASS
			1000~26500	-3.21	-40.1	≤-23.21	PASS
11N40MIMO	Ant1	2422	Reference	-6.65	-6.65	---	PASS
			30~1000	-6.65	-49.86	≤-26.65	PASS
			1000~26500	-6.65	-37.31	≤-26.65	PASS
	Ant2	2422	Reference	-7.13	-7.13	---	PASS
			30~1000	-7.13	-49.21	≤-27.13	PASS
		2437	1000~26500	-7.13	-39.35	≤-27.13	PASS
			Reference	-5.99	-5.99	---	PASS
			30~1000	-5.99	-49.12	≤-25.99	PASS

CTC Laboratories, Inc.

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

Tel.: (86)755-27521059

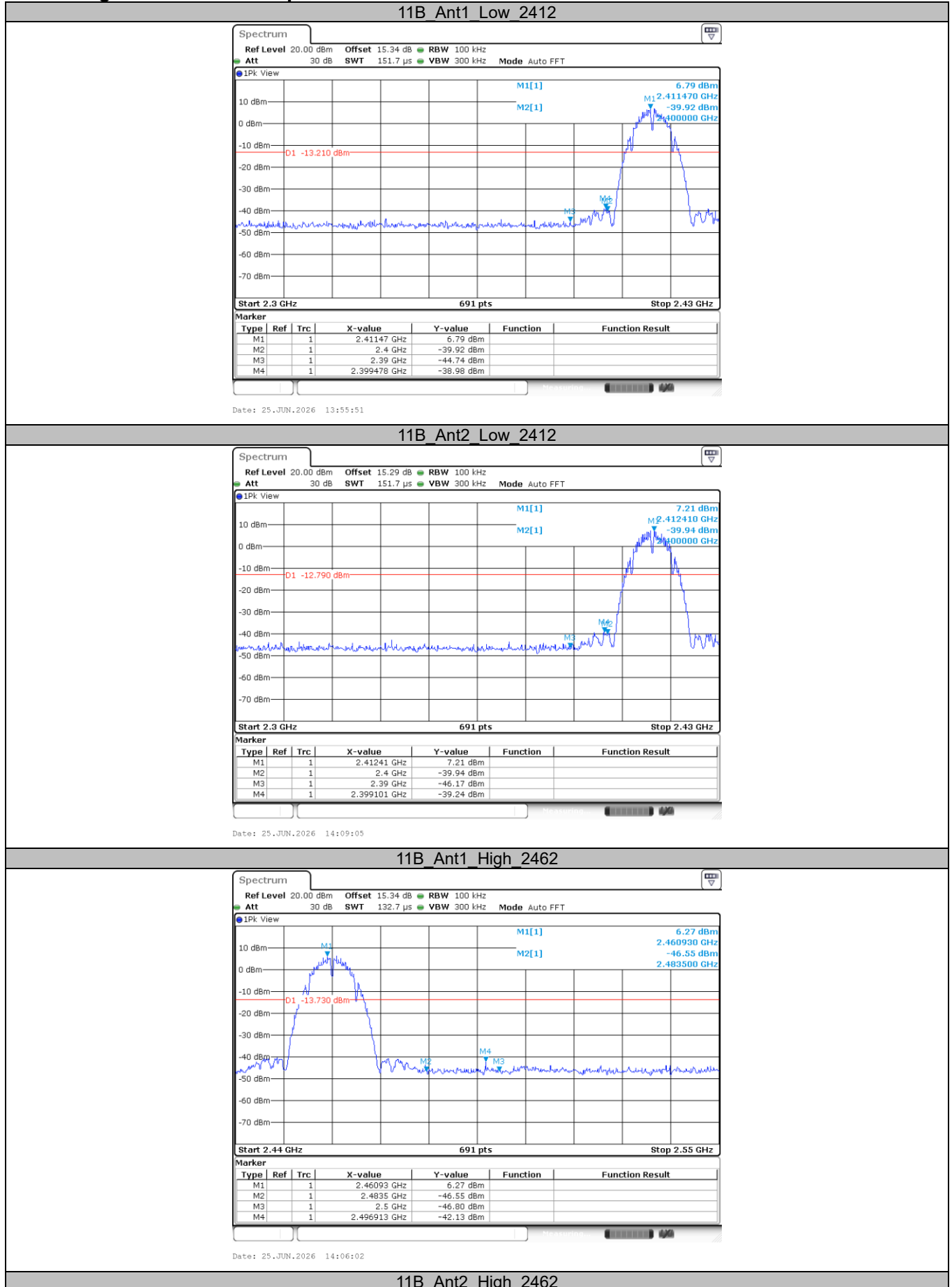
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

Master TRF:Dated 2026-06-01

	Ant1	2452	1000~26500	-5.99	-39.03	≤ -25.99	PASS
			Reference	-7.00	-7.00	---	PASS
			30~1000	-7.00	-49.76	≤ -27	PASS
	Ant2	2452	1000~26500	-7.00	-39.3	≤ -27	PASS
			Reference	-6.40	-6.40	---	PASS
			30~1000	-6.40	-48.8	≤ -26.4	PASS
11AX20MIMO	Ant1	2412	1000~26500	-6.40	-39.12	≤ -26.4	PASS
			Reference	-6.86	-6.86	---	PASS
			30~1000	-6.86	-49.63	≤ -26.86	PASS
	Ant2	2412	1000~26500	-6.86	-39.34	≤ -26.86	PASS
			Reference	-4.13	-4.13	---	PASS
			30~1000	-4.13	-48.74	≤ -24.13	PASS
	Ant1	2437	1000~26500	-4.13	-39.01	≤ -24.13	PASS
			Reference	-4.57	-4.57	---	PASS
			30~1000	-4.57	-49.41	≤ -24.57	PASS
	Ant2	2437	1000~26500	-4.57	-39.69	≤ -24.57	PASS
			Reference	-3.69	-3.69	---	PASS
			30~1000	-3.69	-48.57	≤ -23.69	PASS
	Ant1	2462	1000~26500	-3.69	-38.56	≤ -23.69	PASS
			Reference	-4.63	-4.63	---	PASS
			30~1000	-4.63	-49.56	≤ -24.63	PASS
	Ant2	2462	1000~26500	-4.63	-39.49	≤ -24.63	PASS
			Reference	-4.06	-4.06	---	PASS
			30~1000	-4.06	-49.77	≤ -24.06	PASS
11AX40MIMO	Ant1	2422	1000~26500	-4.06	-38.69	≤ -24.06	PASS
			Reference	-4.41	-4.41	---	PASS
			30~1000	-4.41	-50.23	≤ -24.41	PASS
	Ant2	2422	1000~26500	-4.41	-39.97	≤ -24.41	PASS
			Reference	-8.13	-8.13	---	PASS
			30~1000	-8.13	-49.21	≤ -28.13	PASS
	Ant1	2437	1000~26500	-8.13	-38.72	≤ -28.13	PASS
			Reference	-8.28	-8.28	---	PASS
			30~1000	-8.28	-50.27	≤ -28.28	PASS
	Ant2	2437	1000~26500	-8.28	-39.57	≤ -28.28	PASS
			Reference	-7.43	-7.43	---	PASS
			30~1000	-7.43	-49.34	≤ -27.43	PASS
	Ant1	2452	1000~26500	-7.43	-38.93	≤ -27.43	PASS
			Reference	-8.42	-8.42	---	PASS
			30~1000	-8.42	-49.28	≤ -28.42	PASS
	Ant2	2452	1000~26500	-8.42	-39.64	≤ -28.42	PASS
			Reference	-7.84	-7.84	---	PASS
			30~1000	-7.84	-49.73	≤ -27.84	PASS
	Ant1	2422	1000~26500	-7.84	-38.92	≤ -27.84	PASS
			Reference	-8.42	-8.42	---	PASS
			30~1000	-8.42	-49.28	≤ -28.42	PASS
	Ant2	2422	1000~26500	-8.42	-39.64	≤ -28.42	PASS
			Reference	-7.84	-7.84	---	PASS
			30~1000	-7.84	-49.73	≤ -27.84	PASS
	Ant1	2437	1000~26500	-7.84	-38.92	≤ -27.84	PASS
			Reference	-8.42	-8.42	---	PASS
			30~1000	-8.42	-49.28	≤ -28.42	PASS
	Ant2	2437	1000~26500	-8.42	-39.64	≤ -28.42	PASS
			Reference	-7.84	-7.84	---	PASS
			30~1000	-7.84	-49.73	≤ -27.84	PASS

Band Edge Conducted Test plot as follows:

CTC Laboratories, Inc.

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

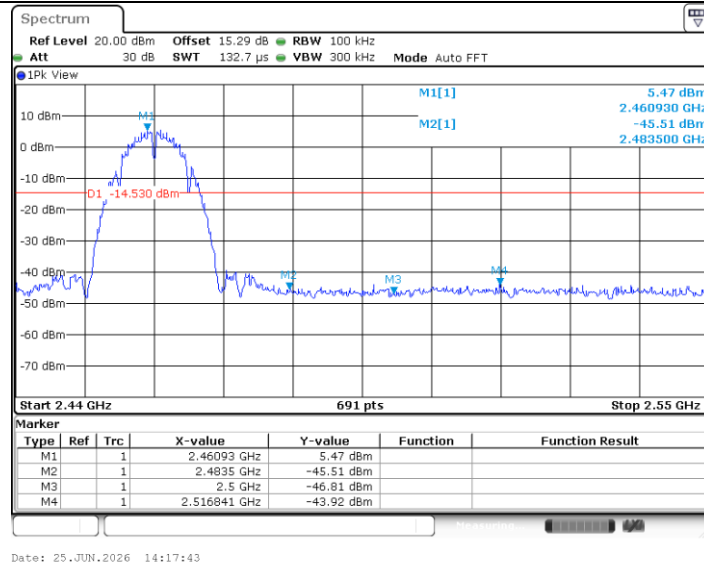
Tel.: (86)755-27521059

Fax: (86)755-27521011

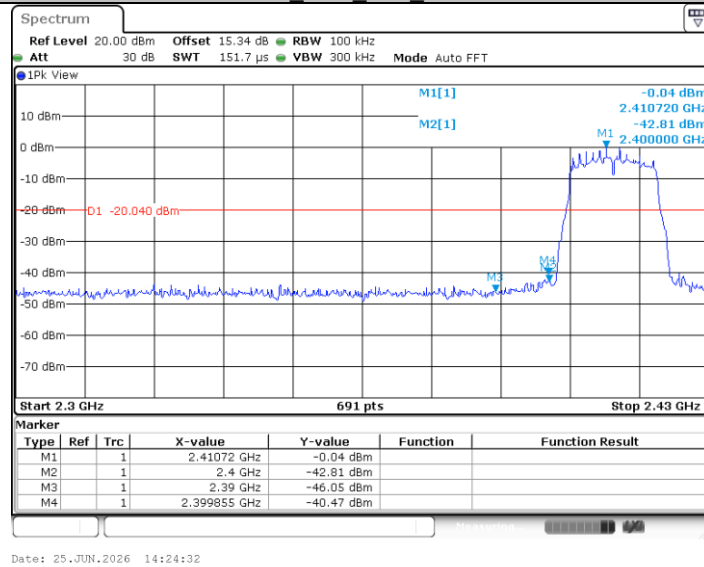
Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

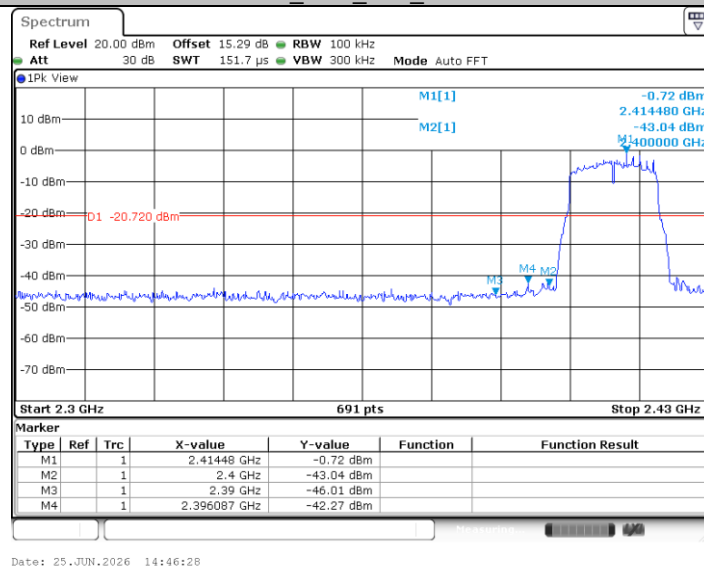
Master TRF:Dated 2026-06-01



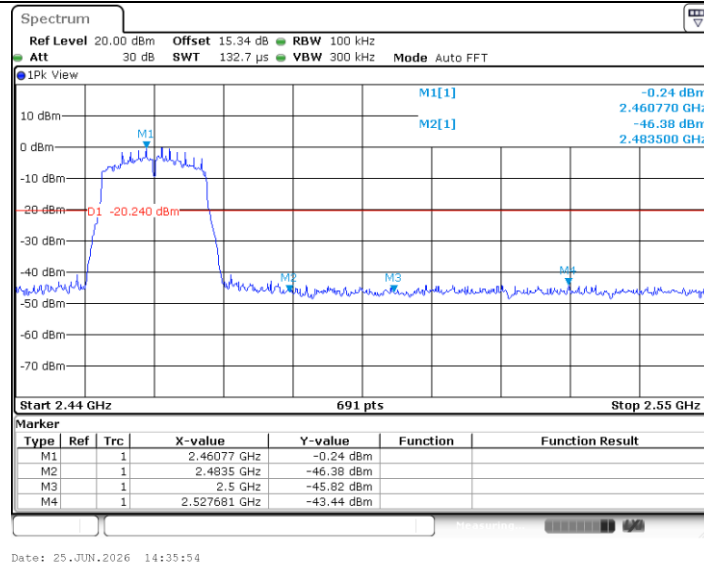
11G_Ant1_Low_2412



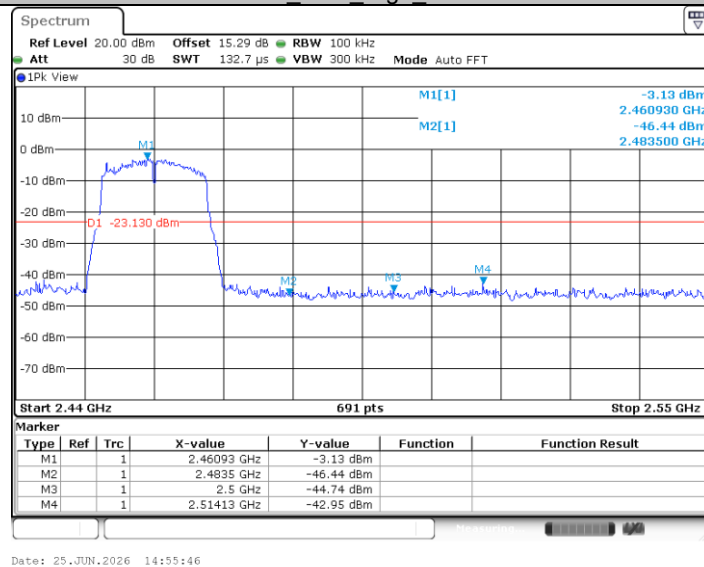
11G_Ant2_Low_2412



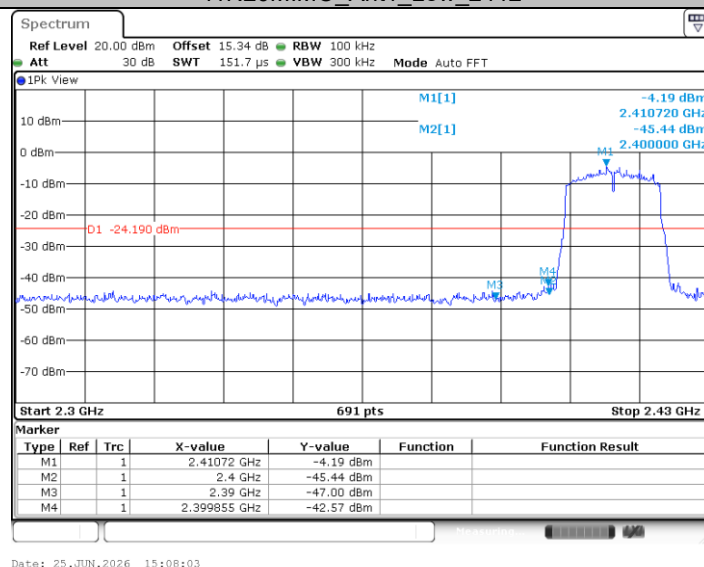
11G_Ant1_High_2462



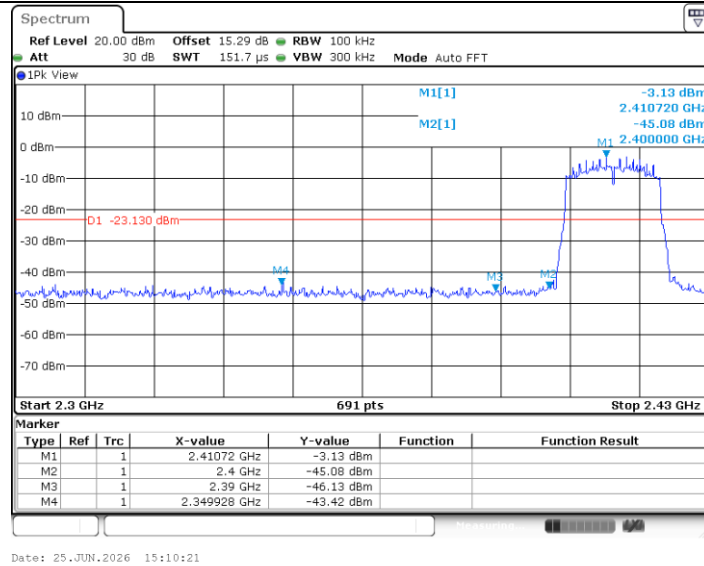
11G_Ant2_High_2462



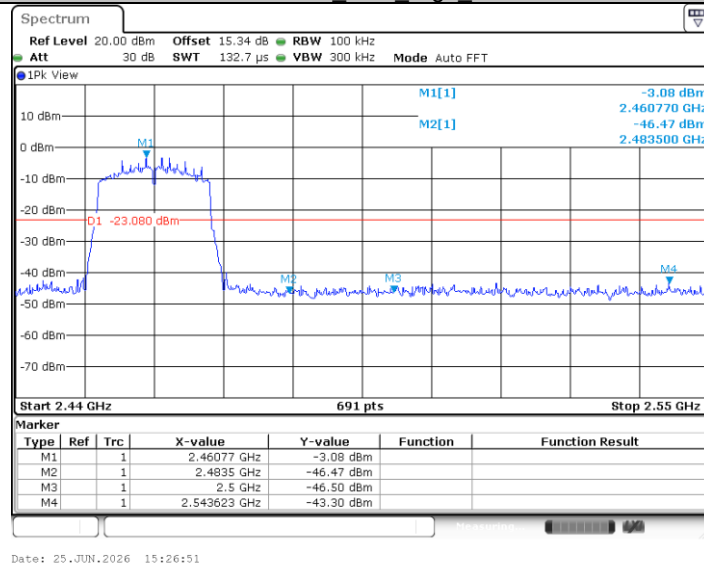
11N20MIMO_Ant1_Low_2412



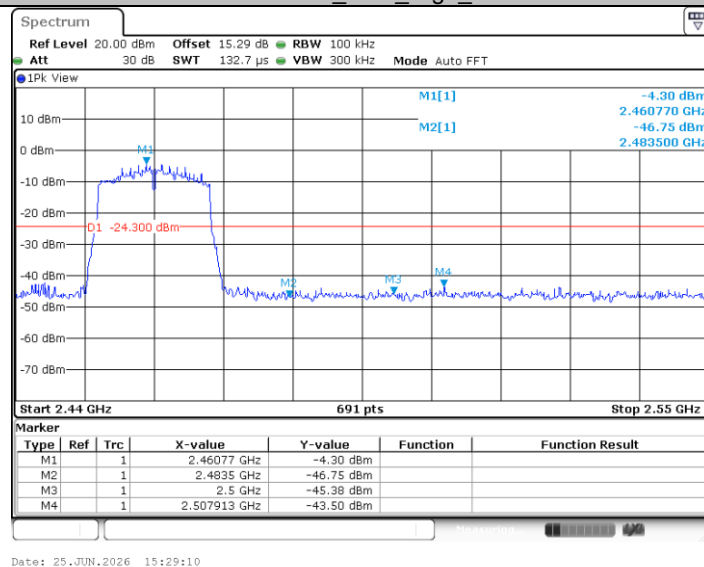
11N20MIMO_Ant2_Low_2412



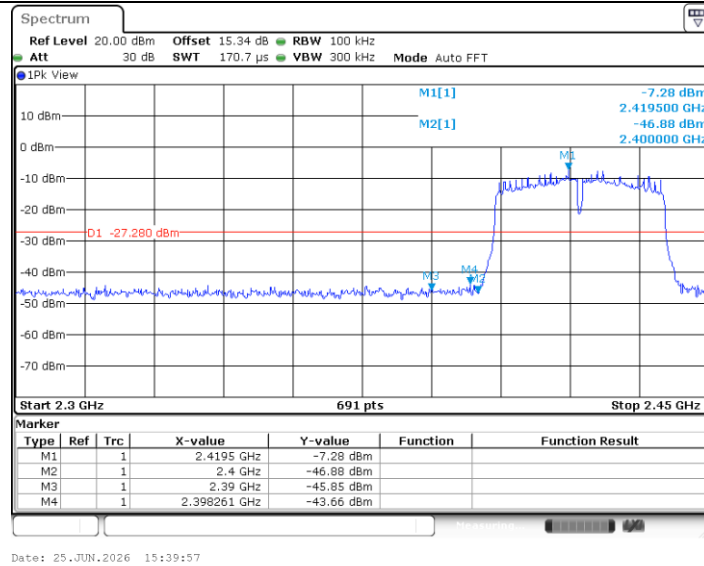
11N20MIMO_Ant1_High_2462



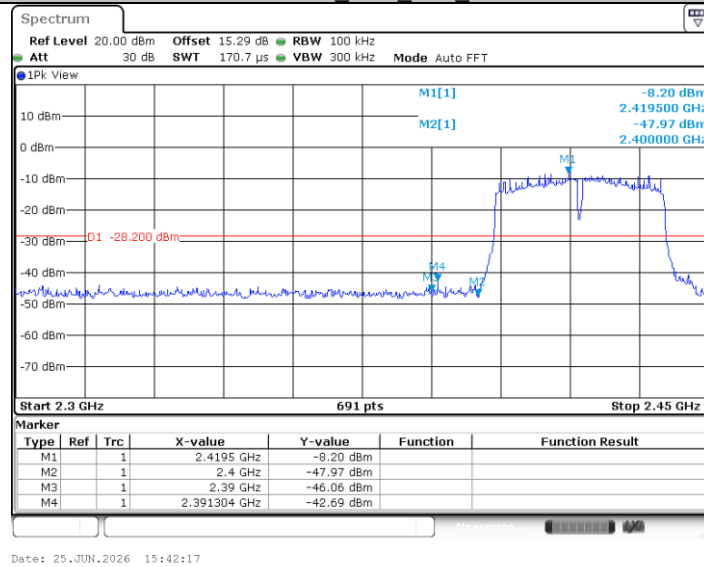
11N20MIMO_Ant2_High_2462



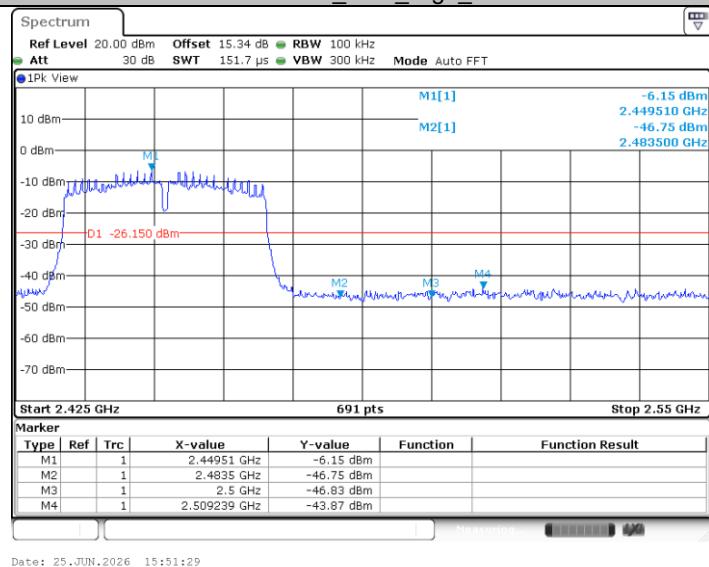
11N40MIMO_Ant1_Low_2422



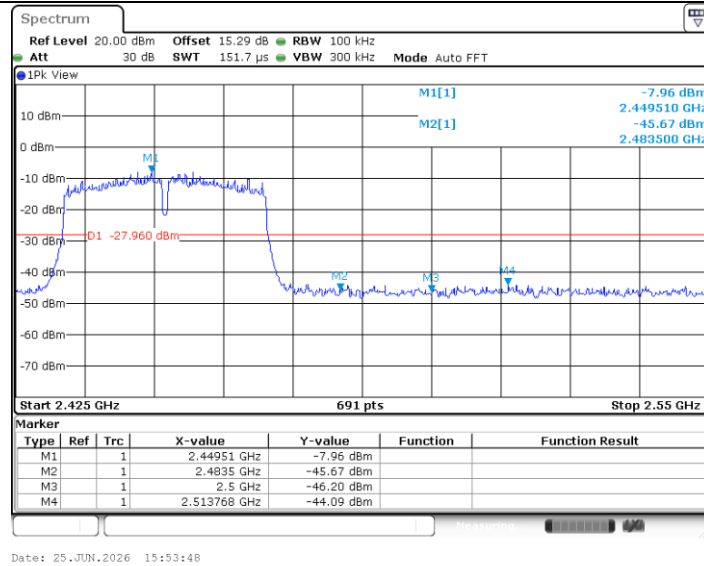
11N40MIMO_Ant2_Low_2422



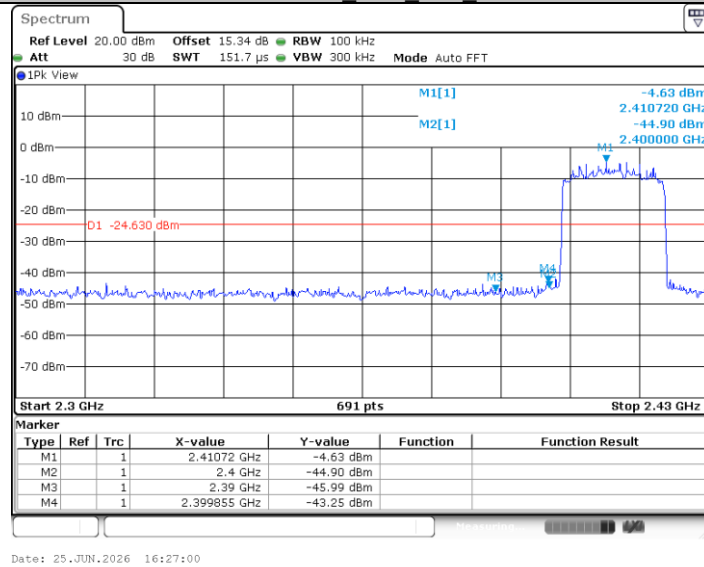
11N40MIMO_Ant1_High_2452



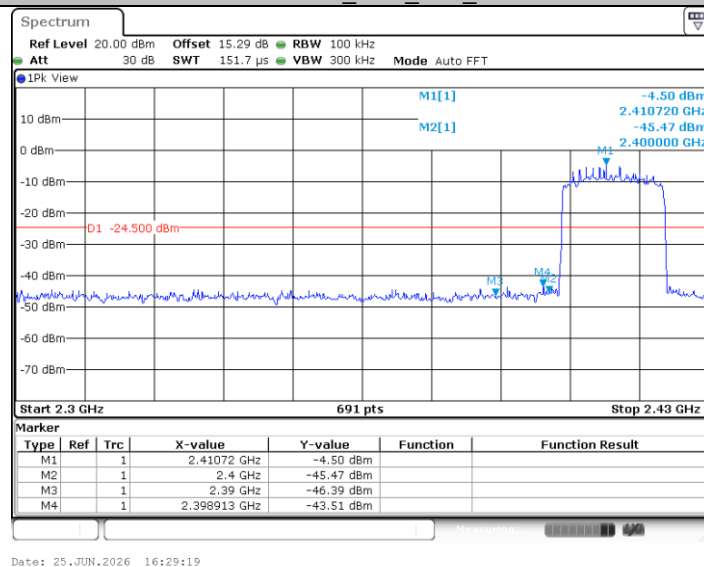
11N40MIMO_Ant2_High_2452



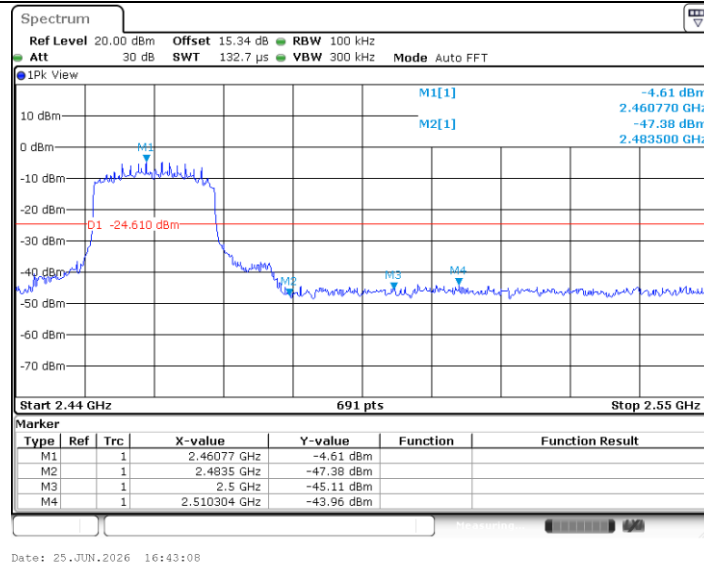
11AX20MIMO_Ant1_Low_2412



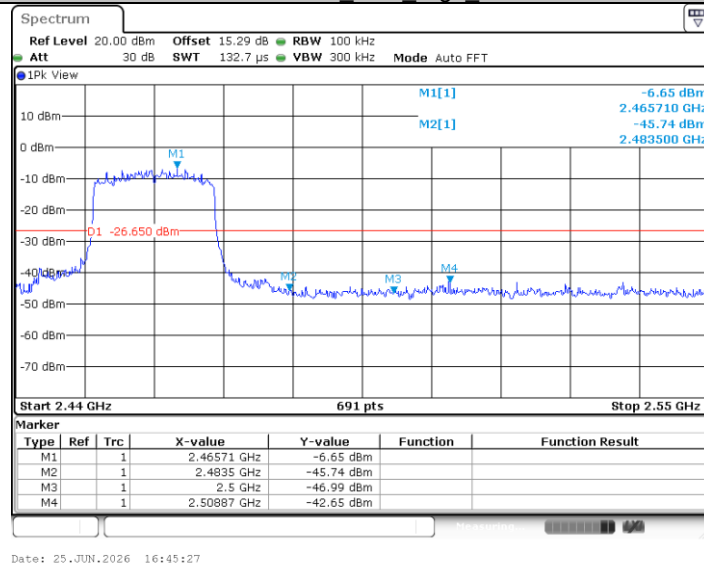
11AX20MIMO_Ant2_Low_2412



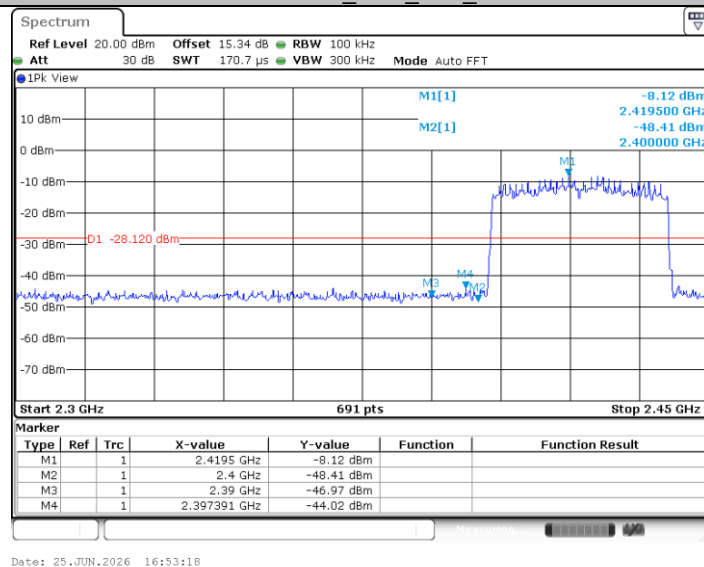
11AX20MIMO_Ant1_High_2462



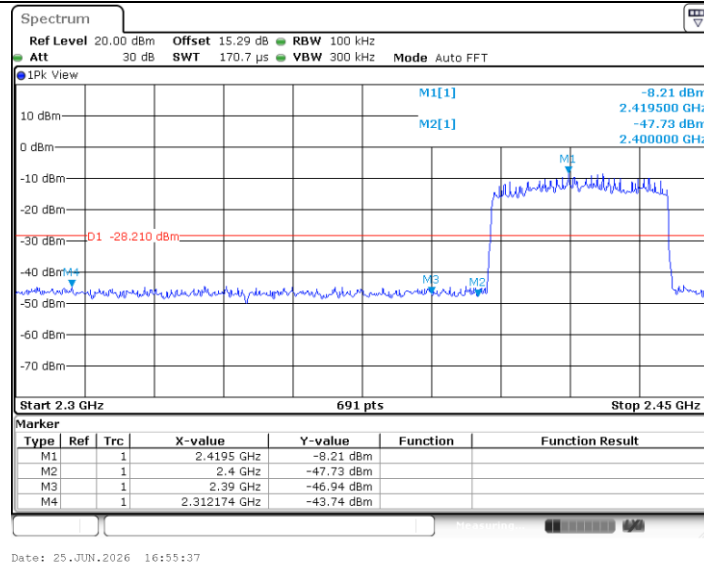
11AX20MIMO_Ant2_High_2462



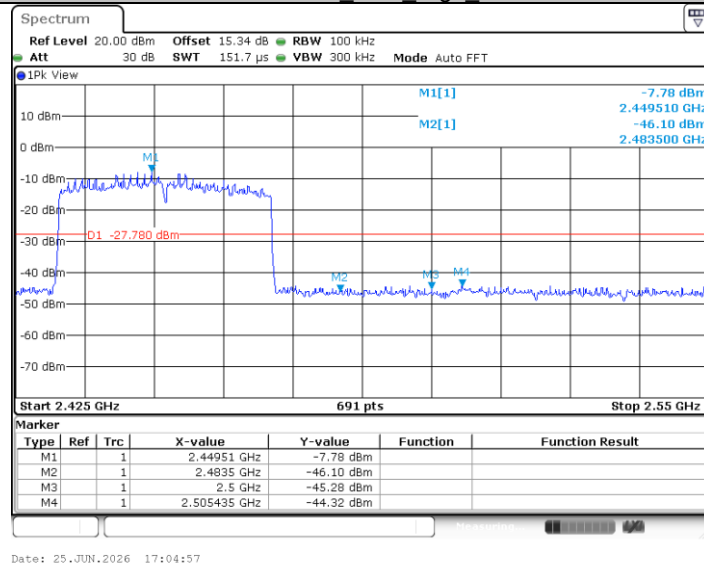
11AX40MIMO_Ant1_Low_2422



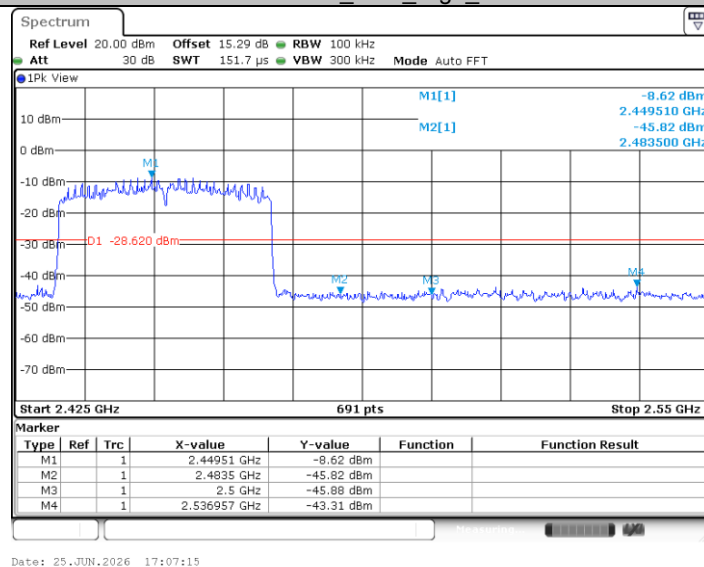
11AX40MIMO_Ant2_Low_2422

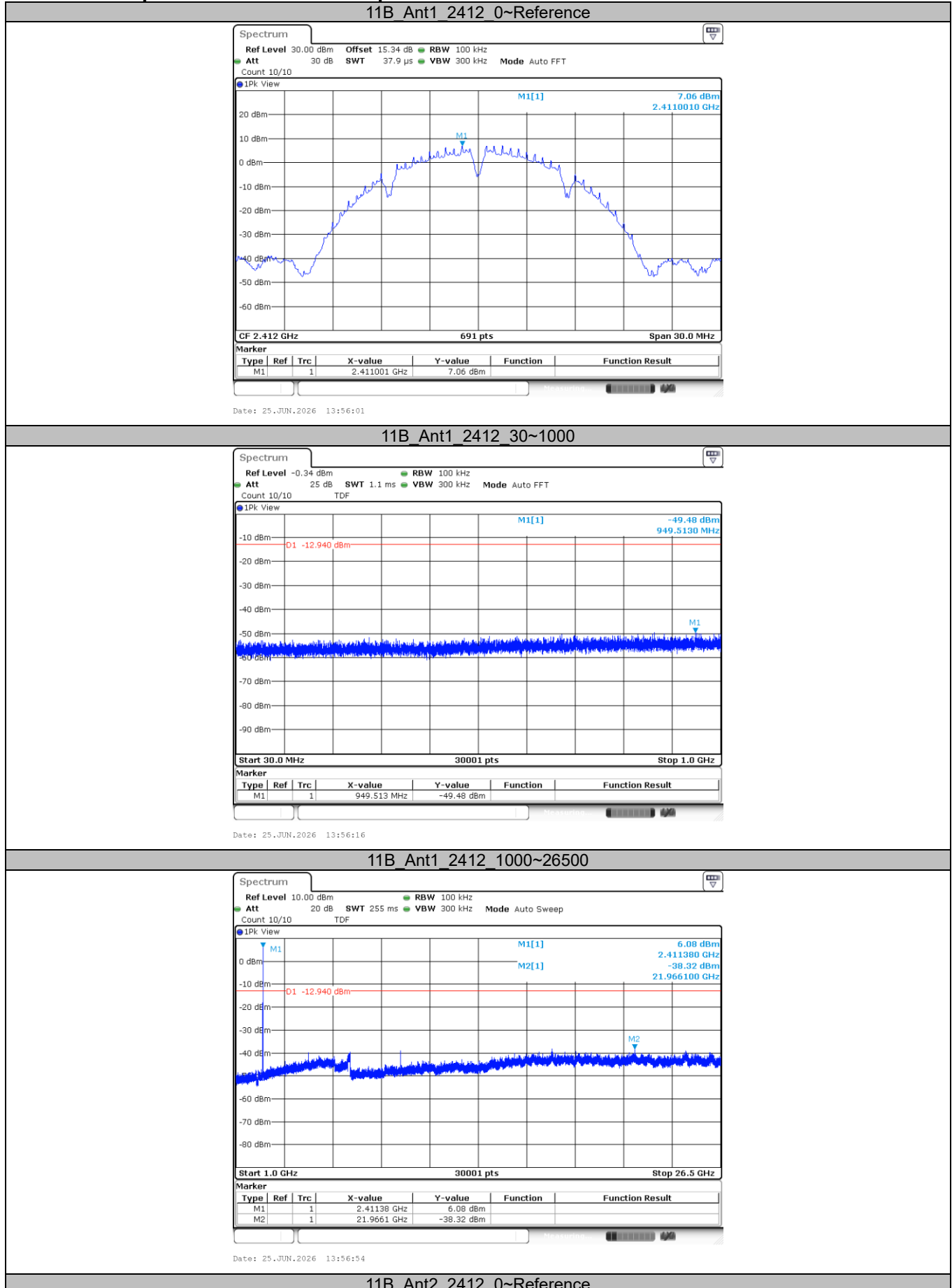


11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452



Conducted Spurious Emissions Test plot as follows:

CTC Laboratories, Inc.

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

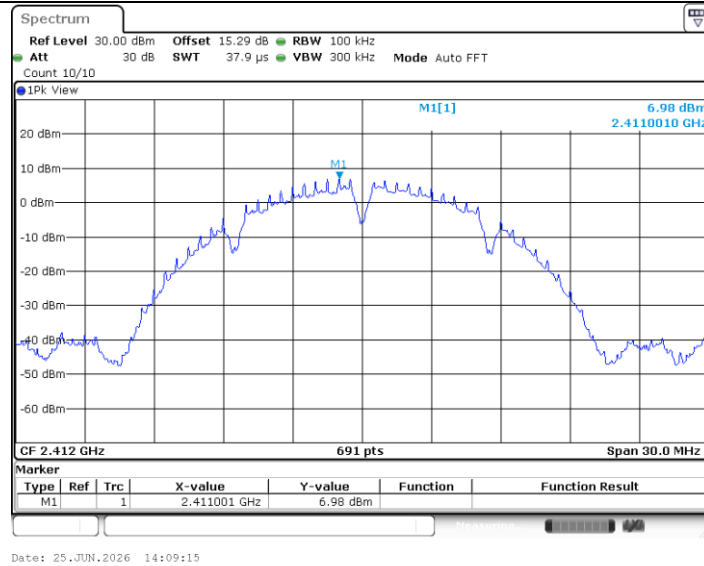
Tel.: (86)755-27521059

Fax: (86)755-27521011

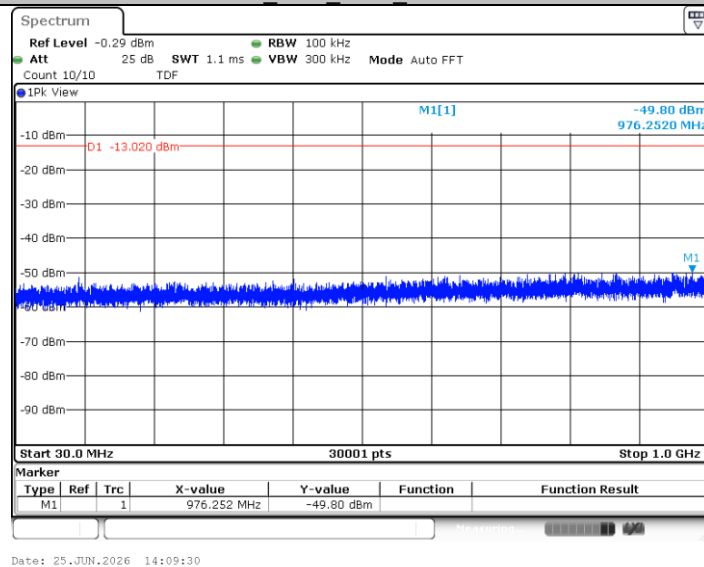
Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

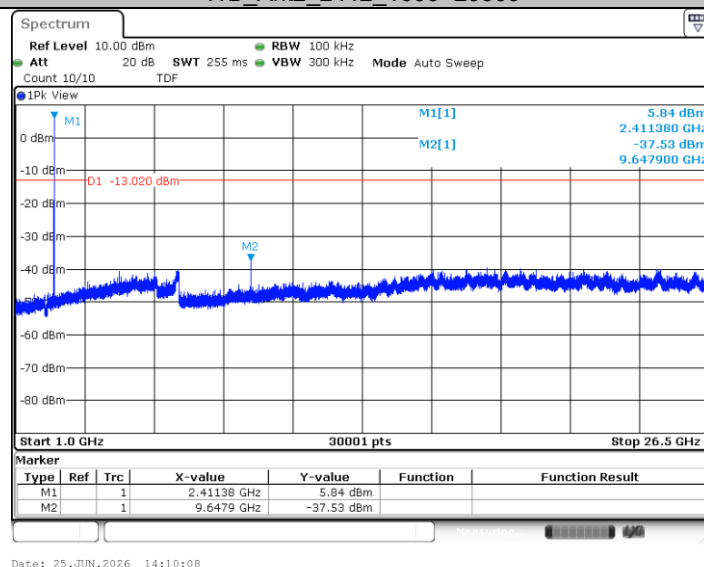
Master TRF:Dated 2026-06-01



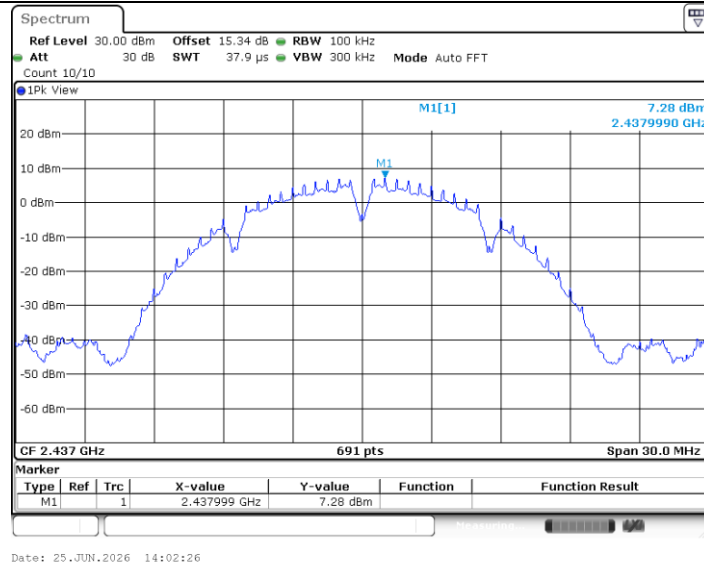
11B_Ant2_2412_30~1000



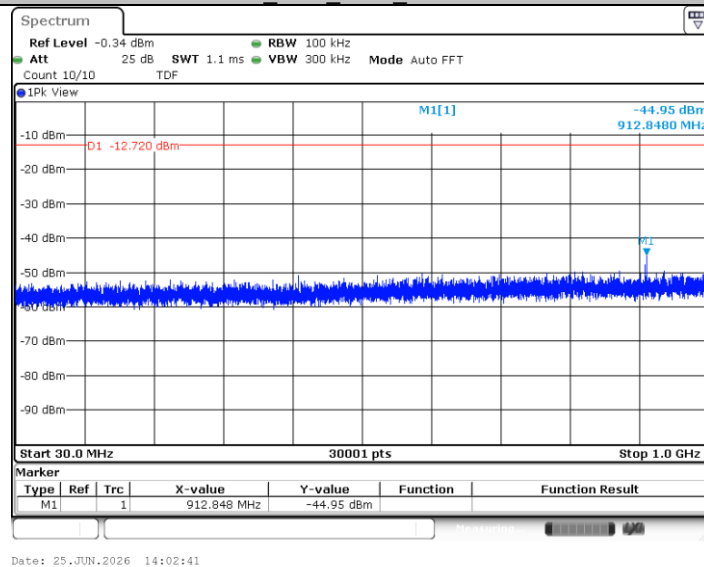
11B_Ant2_2412_1000~26500



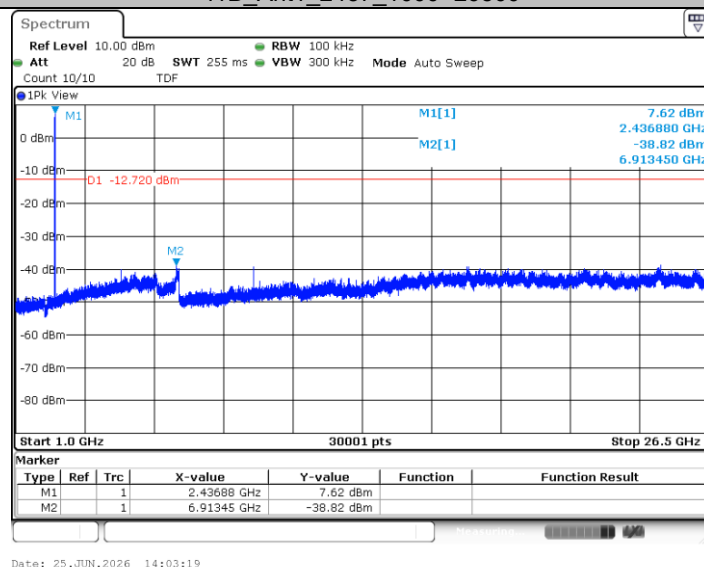
11B_Ant1_2437_0~Reference



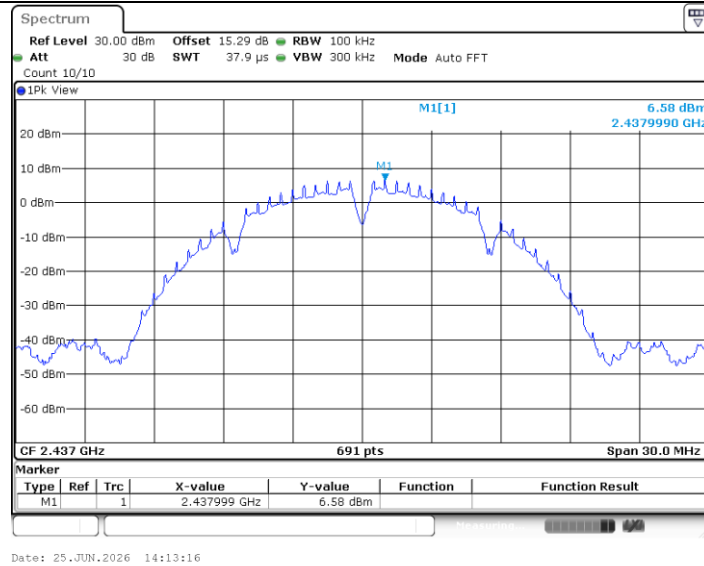
11B_Ant1_2437_30~1000



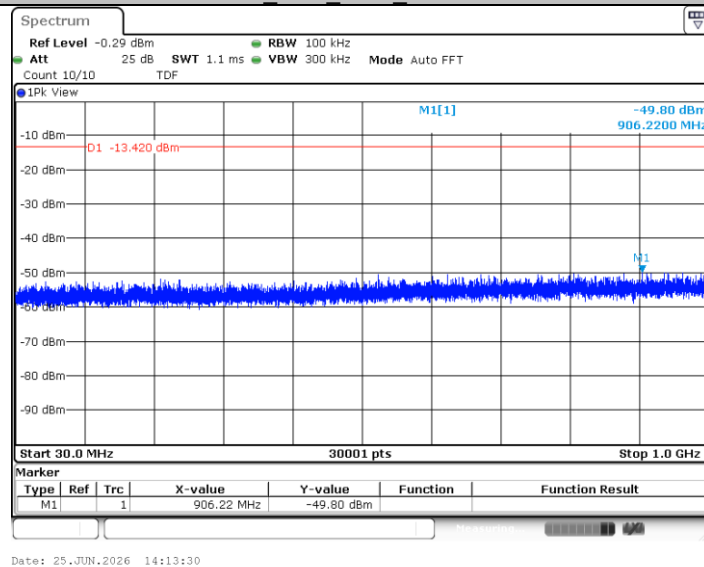
11B_Ant1_2437_1000~26500



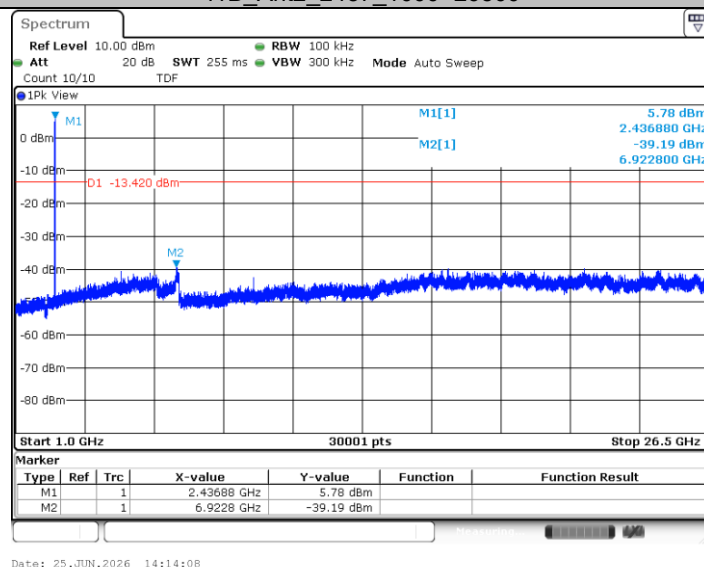
11B_Ant2_2437_0~Reference



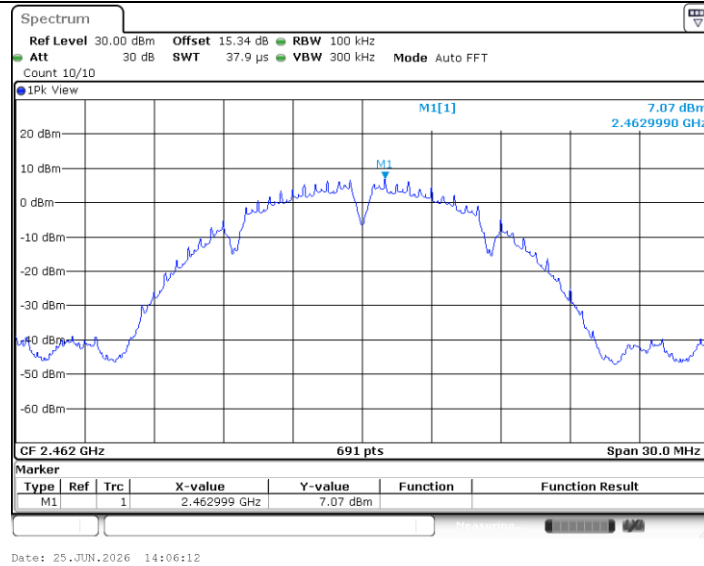
11B_Ant2_2437_30~1000



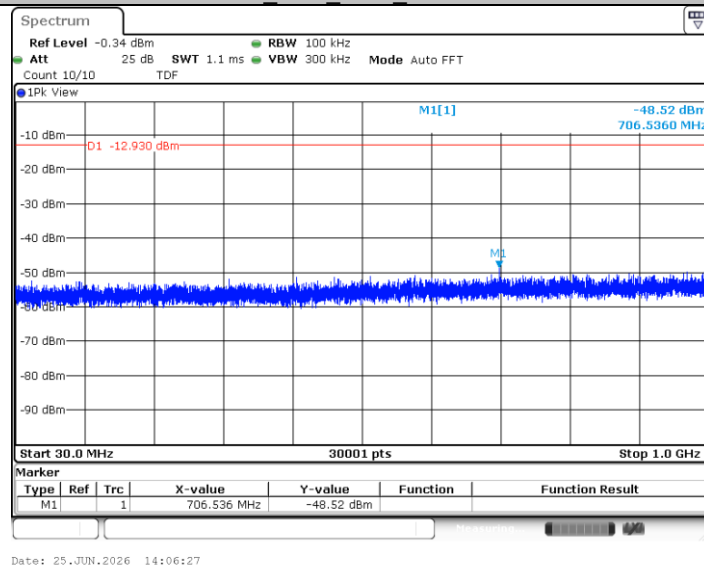
11B_Ant2_2437_1000~26500



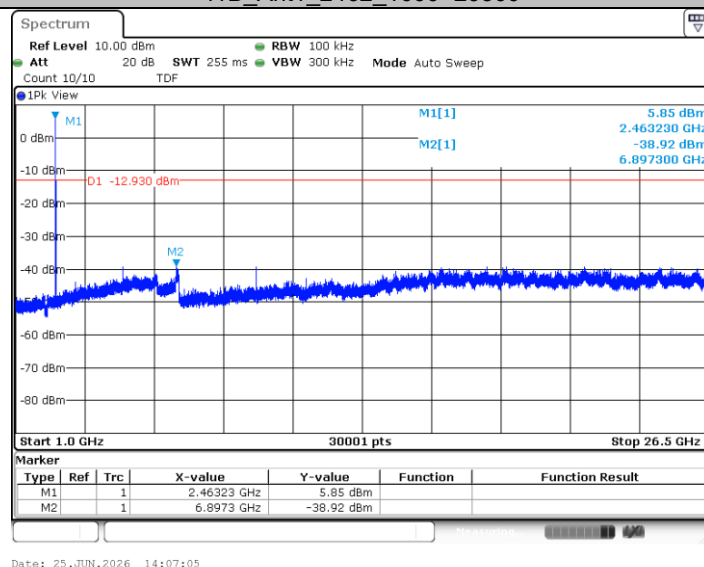
11B_Ant1_2462_0~Reference



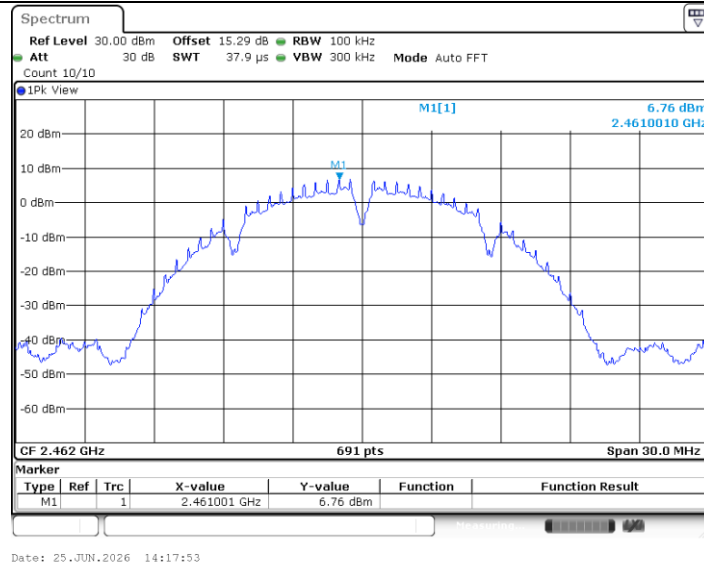
11B_Ant1_2462_30~1000



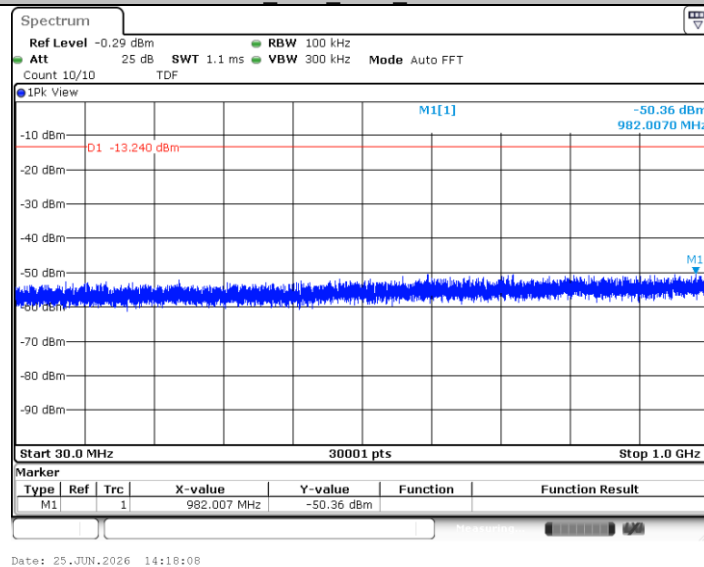
11B_Ant1_2462_1000~26500



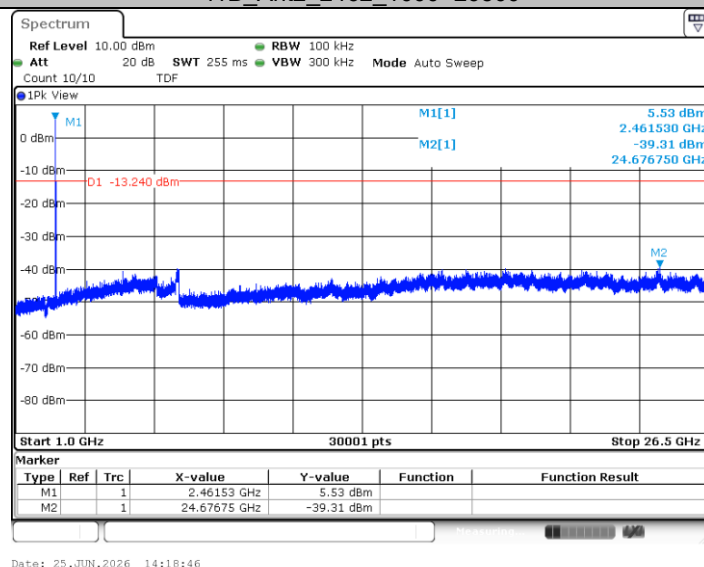
11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



11B_Ant2_2462_1000~26500



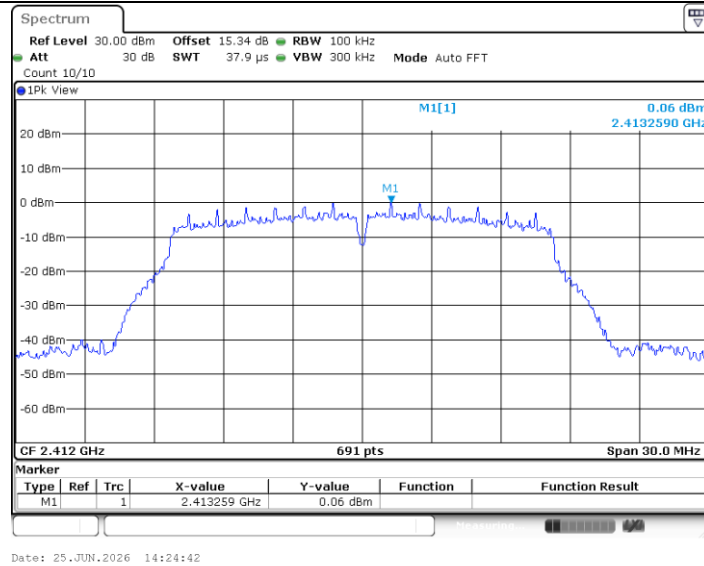
11G_Ant1_2412_0~Reference

CTC Laboratories, Inc.

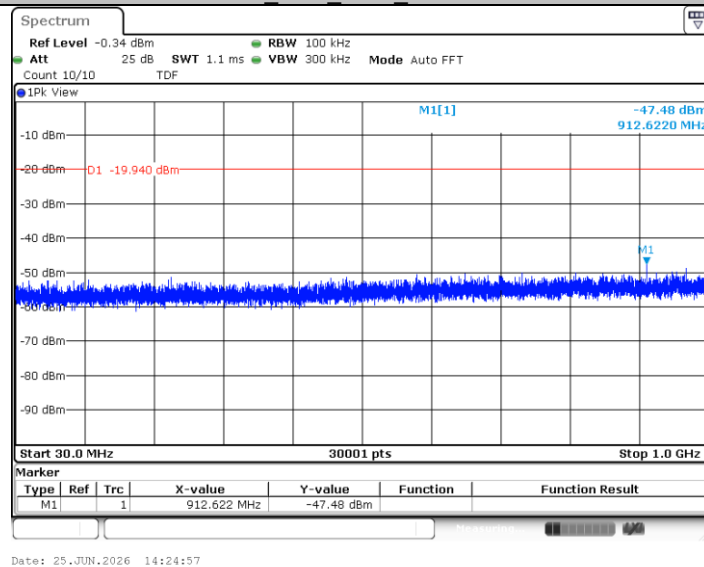
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Langqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

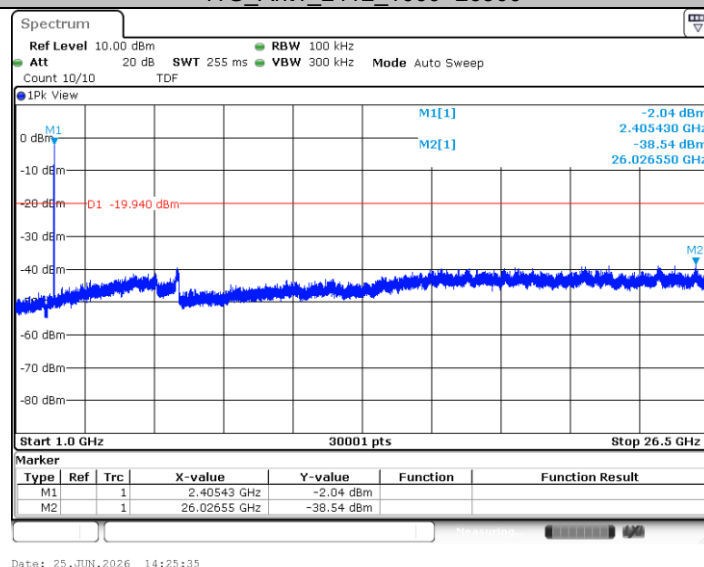
Master TRF:Dated 2026-06-01



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant2_2412_0~Reference