



TEST REPORT

Report No.: **CTC2024305801**

FCC ID.....: **2BM2I-LC2203**

Applicant: **Shenzhen Xiaopai Technology Co., Ltd.**

Address.....: Unit A 8F 806, skyworth bldg, Gaoxin Ave. 1.S., Nanshan District, Shenzhen,Guangdong Province, China

Manufacturer.....: Shenzhen Xiaopai Technology Co., Ltd.

Address.....: Unit A 8F 806, skyworth bldg, Gaoxin Ave. 1.S., Nanshan District, Shenzhen,Guangdong Province, China

Product Name: **Smart Camera**

Trade Mark: xpai

Model/Type reference.....: LC2203

Listed Model(s): /

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

Test Report Form No: CTC-TR-057_A1

Master TRF.....: Dated 2024-09-20

Date of receipt of test sample.....: Dec. 26, 2024

Date of testing.....: Dec. 29, 2024 ~ Jan. 10, 2025

Date of issue.....: Jan. 21, 2025

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

Compiled by:

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

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

[ANSI C63.10-2013](#): American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Report No.	Date of issue	Description
01	CTC2024305801	Jan. 21, 2025	Original

1.3. Test Description

FCC Part 15 Subpart C (15.247) / RSS-247 Issue 3			
Test Item	Standard Section	Result	Test Engineer
	FCC		
Antenna Requirement	15.203	Pass	Sherlock
Conducted Emission	15.207	Pass	Sherlock
Conducted Band Edge and Spurious Emissions	15.247(d)	Pass	Sherlock
Radiated Band Edge and Spurious Emissions	15.205&15.209&15.247(d)	Pass	Sherlock
6dB Bandwidth	15.247(a)(2)	Pass	Sherlock
Conducted Max Output Power	15.247(b)(3)	Pass	Sherlock
Power Spectral Density	15.247(e)	Pass	Sherlock
Transmitter Radiated Spurious	15.209&15.247(d)	Pass	Sherlock

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 101 of Building B, Room 107, 108, 207, 208 of Building A, No. 7, Lanqing 1st Road, Luh 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 Xiaopai Technology Co., Ltd.
Address:	Unit A 8F 806, skyworth bldg, Gaoxin Ave. 1.S., Nanshan District, Shenzhen,Guangdong Province, China
Manufacturer:	Shenzhen Xiaopai Technology Co., Ltd.
Address:	Unit A 8F 806, skyworth bldg, Gaoxin Ave. 1.S., Nanshan District, Shenzhen,Guangdong Province, China
Factory:	Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Factory
Address:	2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyan Street, Baoan District, Shenzhen city, China.

2.2. General Description of EUT

Product Name:	Smart Camera
Trade Mark:	xpai
Model/Type reference:	LC2203
Listed Model(s):	/
Model Difference:	/
Sample ID:	CTC241223-008-S018
Power Supply1:	MODEL:UT-236A-5100 INPUT:100-240V~50/60Hz 0.2A OUTPUT:5.0V=1.0A 5.0W
Power Supply2:	MODEL:AD-D0930500100US01 INPUT:100-240V~50/60Hz Max 0.2A OUTPUT:5.0V=1.0A
Hardware Version:	/
Software Version:	/
2.4G Wi-Fi	
Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/ n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Operation Frequency:	802.11b/ g/ n(HT20): 2412MHz~2462MHz
Channel Number:	802.11b/ g/ n(HT20): 11 channels
Channel Separation:	5MHz
Antenna Type:	FPC Antenna
Antenna Gain:	2.56dBi



2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	ThinkPad T460s	/	Lenovo
Serial port board	5800-2CLMH00	/	
Cable Information			
Name	Shielded Type	Ferrite Core	Length
USB Cable	Unshielded	NO	100cm
Test Software Information			
Name	Version	/	/
/	/	/	/



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)

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 a worst case mode.

Test Mode	Data Rate (worst mode)
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	HT-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

RF Test System - SRD					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 21, 2025
2	Spectrum Analyzer	R&S	FSV40-N	101654	Aug. 06, 2025
3	Spectrum Analyzer	R&S	FSU26	100105	Dec. 12, 2025
4	MXA Signal Analyzer	Keysight	N9020A	MY46471737	Dec. 12, 2025
5	MXA Signal Analyzer	Keysight	N9020A	MY52091402	Aug. 21, 2025
6	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 12, 2025
7	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 12, 2025
8	EXG Analog Signal Generator	Keysight	N5173B	MY59100842	Dec. 12, 2025
9	MXG Vector Signal Generator	Keysight	N5182B	MY59100212	Dec. 12, 2025
10	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 21, 2025
11	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 21, 2025
12	Wideband Radio Communication Tester	R&S	CMW500	102257	May 24, 2025
13	Wideband Radio Communication Tester	R&S	CMW500	102414	Dec. 12, 2025
14	RF Control Unit	Tonscend	JS0806-2	/	Aug. 21, 2025
15	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 21, 2025
16	Test Software	Tonscend	JS1120-3	V2.6.88.0346	/
17	Test Software	Tonscend	JS1120-3	V3.3.38	/
18	Test Software	WCS	WCS-WCN	2023.08.04	/

Radiated emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-1013	Dec. 24, 2025
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-648	Sep. 25, 2025
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 12, 2025
4	Broadband Amplifier	Schwarzbeck	BBV9743B	259	Dec. 12, 2025
5	Mirowave Broadband Amplifier	Schwarzbeck	BBV9718C	111	Dec. 12, 2025
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026
7	Test Software	FARA	EZ-EMC	FA-03A2	/

Radiated emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-1013	Dec. 17, 2025
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-648	Dec. 11, 2025
3	Spectrum Analyzer	R&S	FSU26	100105	Dec. 12, 2025

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TRF No: CTC-TR-057_A1

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4	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 21, 2025
5	Pre-Amplifier	SONOMA	310	186194	Dec. 12, 2025
6	Low Noise Pre-Amplifier	EMCI	EMC051835	980075	Dec. 12, 2025
7	Test Receiver	R&S	ESC17	100967	Dec. 12, 2025
8	3m chamber 2	Frankonia	EE025	/	Oct. 18, 2027
9	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. 12, 2025
2	LISN	R&S	ENV216	101113	Dec. 12, 2025
3	EMI Test Receiver	R&S	ESCI	100524	Dec. 12, 2025
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 12, 2025
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 12, 2025
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

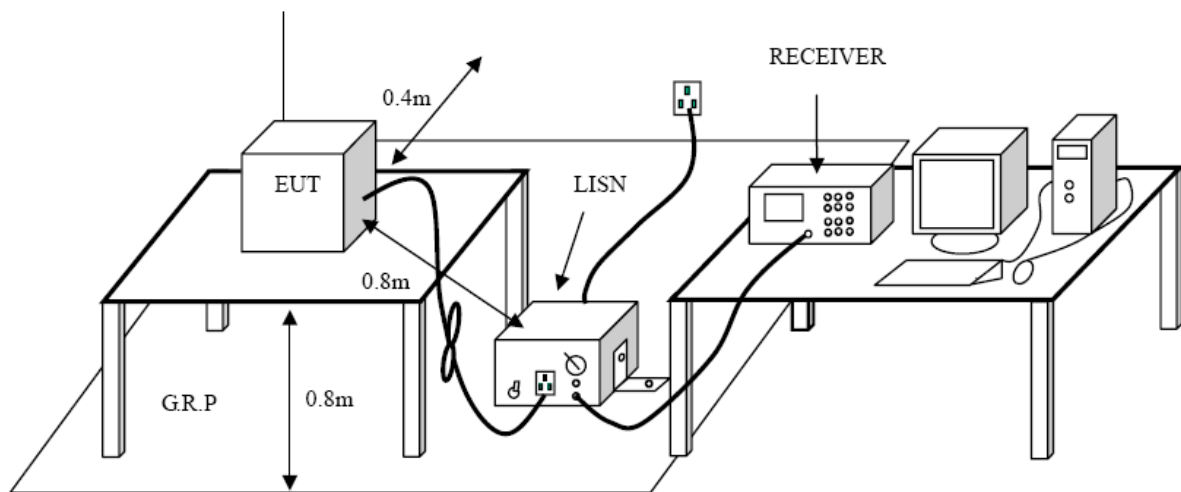
Limit

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

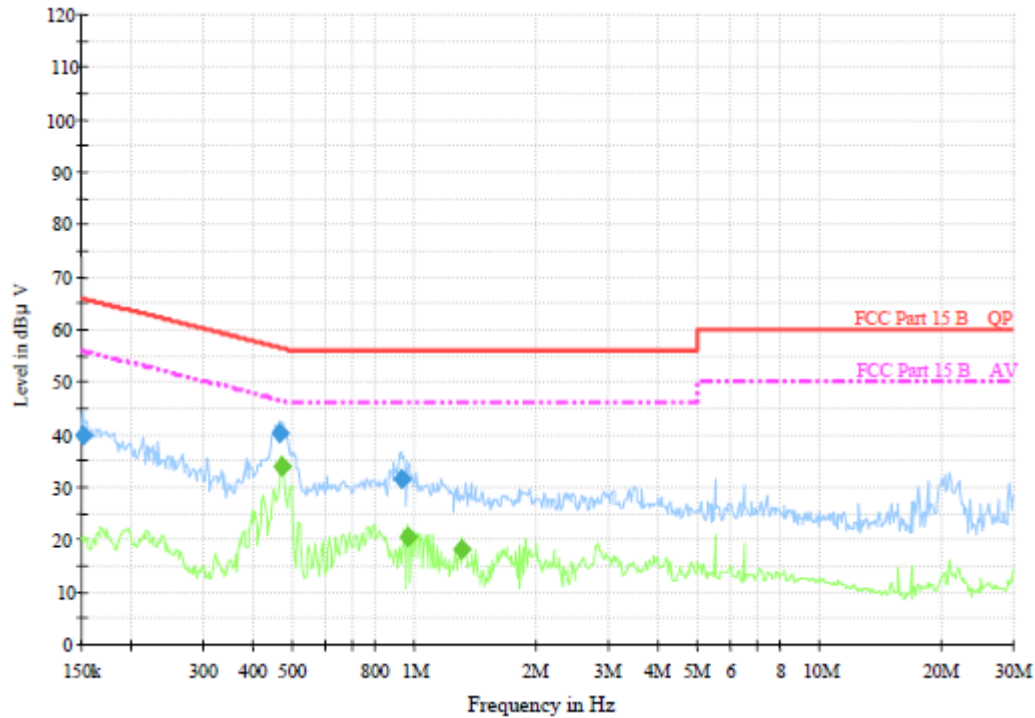
1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from 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
MODEL:	UT-236A-5100

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.151200	39.7	1000.00	9.000	On	L1	9.5	26.2	65.9	
0.465040	40.3	1000.00	9.000	On	L1	9.5	16.3	56.6	
0.922770	31.7	1000.00	9.000	On	L1	9.5	24.3	56.0	

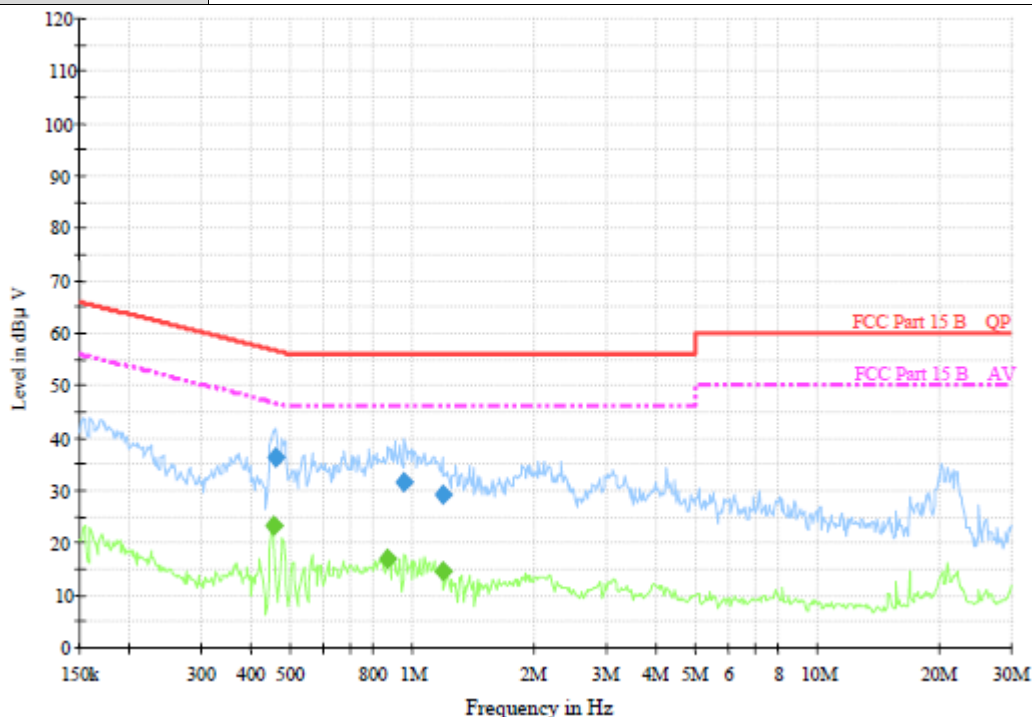
Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.468760	33.8	1000.00	9.000	On	L1	9.5	12.7	46.5	
0.960270	20.4	1000.00	9.000	On	L1	9.5	25.6	46.0	
1.310260	18.2	1000.00	9.000	On	L1	9.5	27.8	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Remark:	Only worse case is reported
MODEL:	UT-236A-5100



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.457680	36.2	1000.00	9.000	On	N	9.4	20.5	56.7	
0.952650	31.7	1000.00	9.000	On	N	9.4	24.3	56.0	
1.181320	29.4	1000.00	9.000	On	N	9.5	26.6	56.0	

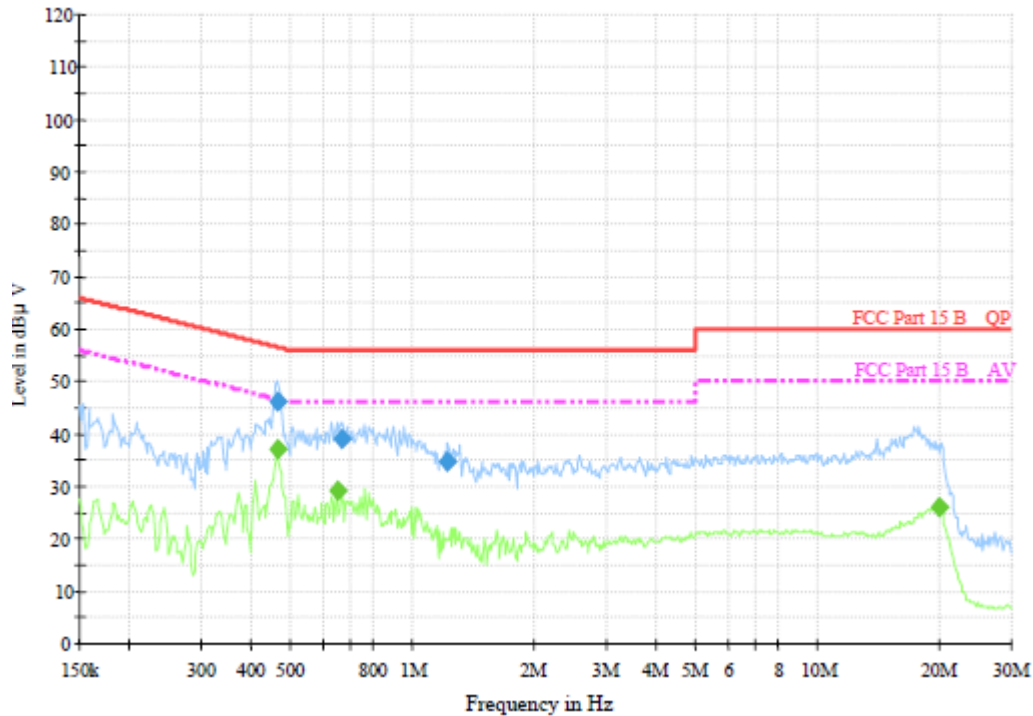
Final Measurement Detector 2

Frequency (MHz)	Average (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.450450	23.2	1000.00	9.000	On	N	9.4	23.7	46.9	
0.865780	17.1	1000.00	9.000	On	N	9.4	28.9	46.0	
1.181320	14.8	1000.00	9.000	On	N	9.5	31.2	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Terminal:	Line
Remark:	Only worse case is reported
MODEL:	AD-D0930500100US01



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.461350	46.2	1000.00	9.000	On	L1	9.5	10.5	56.7	
0.665600	39.0	1000.00	9.000	On	L1	9.5	17.0	56.0	
1.219580	34.7	1000.00	9.000	On	L1	9.6	21.3	56.0	

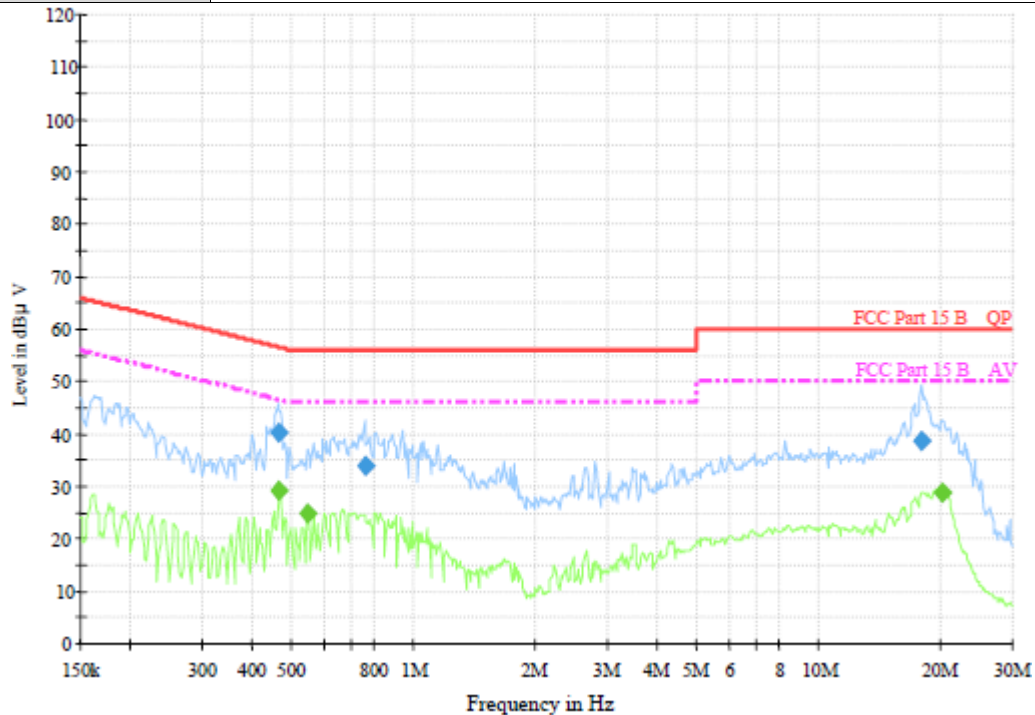
Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.461350	37.3	1000.00	9.000	On	L1	9.5	9.4	46.7	
0.649870	29.4	1000.00	9.000	On	L1	9.5	16.6	46.0	
19.992090	26.1	1000.00	9.000	On	L1	9.7	23.9	50.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Remark:	Only worse case is reported
MODEL:	AD-D0930500100US01



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.461350	40.5	1000.00	9.000	On	N	9.4	16.2	56.7	
0.756100	34.1	1000.00	9.000	On	N	9.4	21.9	56.0	
17.881780	38.7	1000.00	9.000	On	N	9.5	21.3	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
0.465040	29.1	1000.00	9.000	On	N	9.4	17.5	46.6	
0.545380	24.8	1000.00	9.000	On	N	9.4	21.2	46.0	
20.152030	28.9	1000.00	9.000	On	N	9.5	21.1	50.0	

Emission Level = Read Level + Correct Factor



3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209

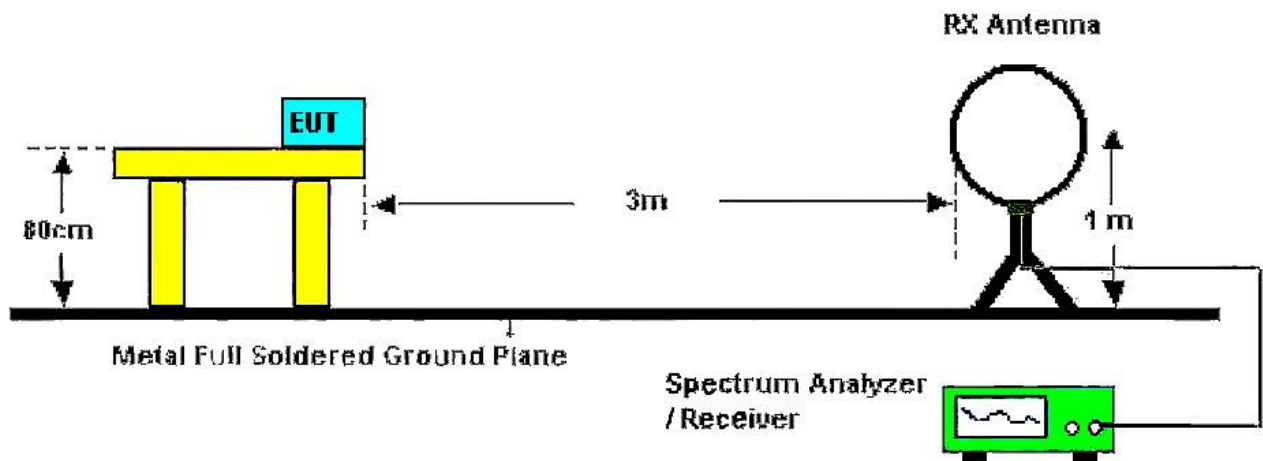
Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F (kHz)	300
0.490~1.705	24000/F (kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Frequency Range (MHz)	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



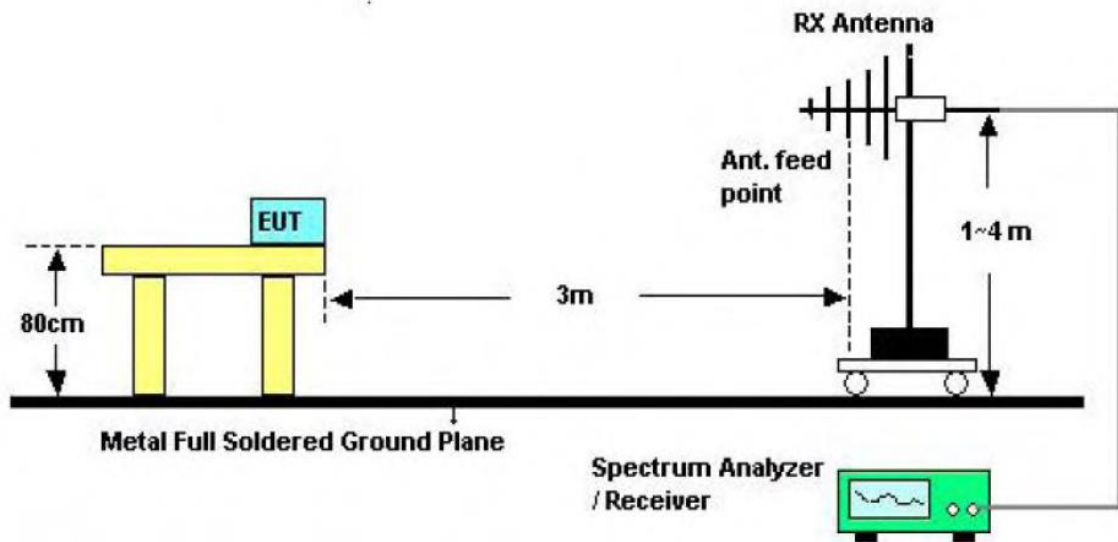
Below 30MHz Test Setup

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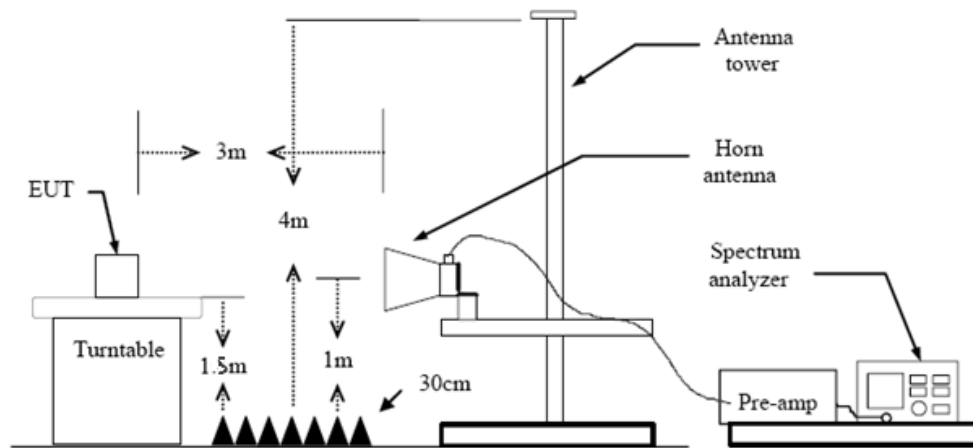
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-057_A1

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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

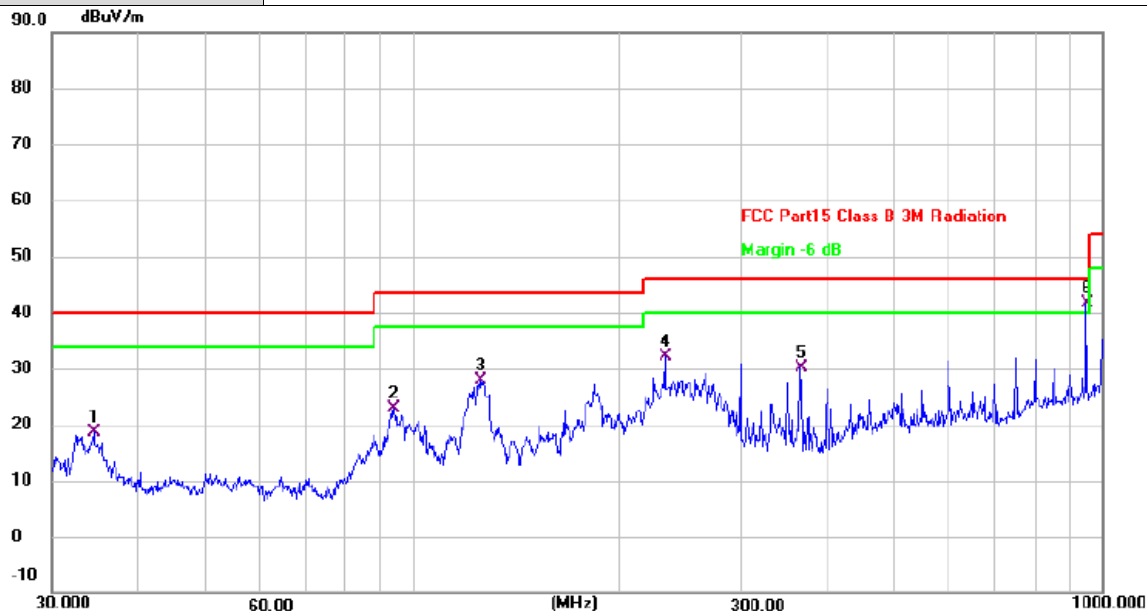
From 9 kHz to 30 MHz: The conclusion is PASS.

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	34.6142	37.40	-18.83	18.57	40.00	-21.43	QP
2	94.2299	45.16	-22.24	22.92	43.50	-20.58	QP
3	125.7981	48.18	-20.21	27.97	43.50	-15.53	QP
4	233.1851	52.07	-20.04	32.03	46.00	-13.97	QP
5	366.3089	46.11	-15.87	30.24	46.00	-15.76	QP
6 *	950.7592	45.48	-3.94	41.54	46.00	-4.46	QP

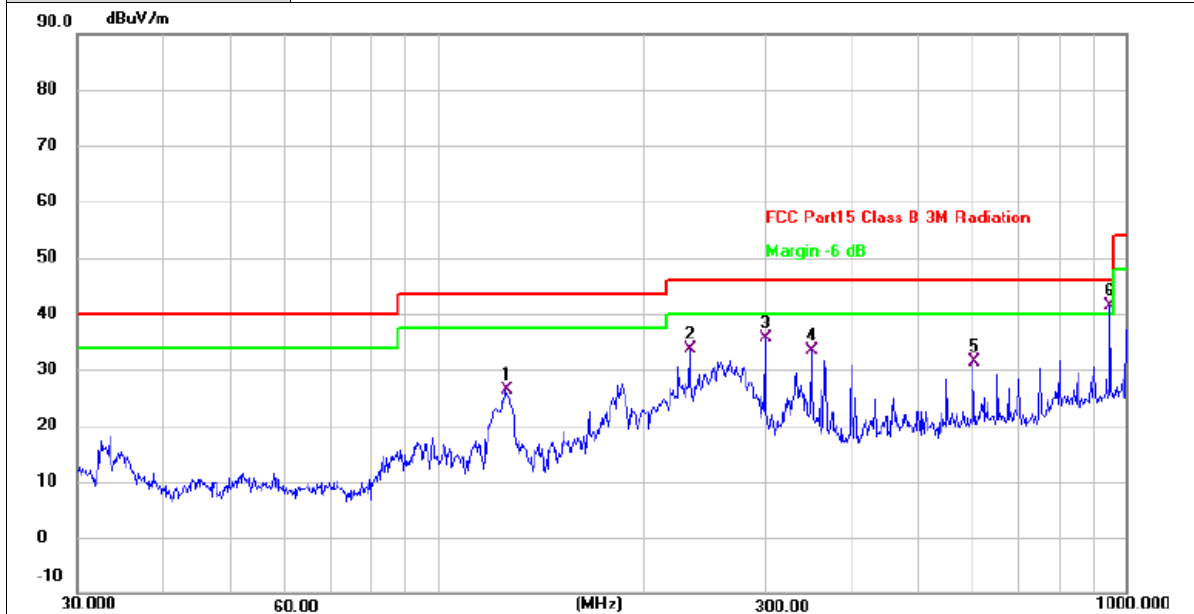
Remarks:

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	126.1515	46.66	-20.20	26.46	43.50	-17.04	QP
2	233.1851	53.55	-20.04	33.51	46.00	-12.49	QP
3	300.1567	53.15	-17.47	35.68	46.00	-10.32	QP
4	350.2311	49.59	-16.24	33.35	46.00	-12.65	QP
5	600.1625	40.86	-9.40	31.46	46.00	-14.54	QP
6 *	950.7592	45.28	-3.94	41.34	46.00	-4.66	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.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBUV)</th><th>Factor (dB/m)</th><th>Level (dBUV/m)</th><th>Limit (dBUV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1 *</td><td>4823.663</td><td>33.45</td><td>-3.36</td><td>30.09</td><td>54.00</td><td>-23.91</td><td>AVG</td></tr><tr><td>2</td><td>4823.688</td><td>46.48</td><td>-3.36</td><td>43.12</td><td>74.00</td><td>-30.88</td><td>peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	1 *	4823.663	33.45	-3.36	30.09	54.00	-23.91	AVG	2	4823.688	46.48	-3.36	43.12	74.00	-30.88	peak
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector																								
1 *	4823.663	33.45	-3.36	30.09	54.00	-23.91	AVG																								
2	4823.688	46.48	-3.36	43.12	74.00	-30.88	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.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1</td><td>4823.575</td><td>47.43</td><td>-3.36</td><td>44.07</td><td>74.00</td><td>-29.93</td><td>peak</td></tr><tr><td>2 *</td><td>4823.874</td><td>33.56</td><td>-3.36</td><td>30.20</td><td>54.00</td><td>-23.80</td><td>AVG</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1	4823.575	47.43	-3.36	44.07	74.00	-29.93	peak	2 *	4823.874	33.56	-3.36	30.20	54.00	-23.80	AVG
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	4823.575	47.43	-3.36	44.07	74.00	-29.93	peak																								
2 *	4823.874	33.56	-3.36	30.20	54.00	-23.80	AVG																								
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value																															



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

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	4873.548	33.64	-3.26	30.38	54.00	-23.62	AVG
2	4873.874	46.42	-3.26	43.16	74.00	-30.84	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. 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 *	4874.137	33.63	-3.26	30.37	54.00	-23.63	AVG
2	4874.254	46.74	-3.26	43.48	74.00	-30.52	peak

Remarks:

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

2.Margin value = Level -Limit value



Ant. No.	Ant 1																														
Ant. Pol.	Horizontal																														
Test Mode:	TX 802.11b Mode 2462MHz																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBUV)</th><th>Factor (dB/m)</th><th>Level (dBUV/m)</th><th>Limit (dBUV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1 *</td><td>4823.678</td><td>33.54</td><td>-3.36</td><td>30.18</td><td>54.00</td><td>-23.82</td><td>AVG</td></tr><tr><td>2</td><td>4823.836</td><td>47.03</td><td>-3.36</td><td>43.67</td><td>74.00</td><td>-30.33</td><td>peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	1 *	4823.678	33.54	-3.36	30.18	54.00	-23.82	AVG	2	4823.836	47.03	-3.36	43.67	74.00	-30.33	peak
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector																								
1 *	4823.678	33.54	-3.36	30.18	54.00	-23.82	AVG																								
2	4823.836	47.03	-3.36	43.67	74.00	-30.33	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.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBUV)</th><th>Factor (dB/m)</th><th>Level (dBUV/m)</th><th>Limit (dBUV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1</td><td>4923.506</td><td>46.05</td><td>-3.16</td><td>42.89</td><td>74.00</td><td>-31.11</td><td>peak</td></tr><tr><td>2 *</td><td>4924.194</td><td>33.38</td><td>-3.16</td><td>30.22</td><td>54.00</td><td>-23.78</td><td>AVG</td></tr></table>								No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	1	4923.506	46.05	-3.16	42.89	74.00	-31.11	peak	2 *	4924.194	33.38	-3.16	30.22	54.00	-23.78	AVG
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector																								
1	4923.506	46.05	-3.16	42.89	74.00	-31.11	peak																								
2 *	4924.194	33.38	-3.16	30.22	54.00	-23.78	AVG																								
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value																															



Ant. No.	Ant 1																														
Ant. Pol.	Horizontal																														
Test Mode:	TX 802.11g Mode 2412MHz																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1 *</td><td>4823.670</td><td>33.53</td><td>-3.36</td><td>30.17</td><td>54.00</td><td>-23.83</td><td>AVG</td></tr><tr><td>2</td><td>4824.367</td><td>46.68</td><td>-3.36</td><td>43.32</td><td>74.00</td><td>-30.68</td><td>peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1 *	4823.670	33.53	-3.36	30.17	54.00	-23.83	AVG	2	4824.367	46.68	-3.36	43.32	74.00	-30.68	peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1 *	4823.670	33.53	-3.36	30.17	54.00	-23.83	AVG																								
2	4824.367	46.68	-3.36	43.32	74.00	-30.68	peak																								
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value																															

Ant. No.	Ant 1
Ant. Pol.	Vertical
Test Mode:	TX 802.11g 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 *	4823.788	33.42	-3.36	30.06	54.00	-23.94	AVG
2	4824.446	45.48	-3.36	42.12	74.00	-31.88	peak

Remarks:

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

2.Margin value = Level -Limit value



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

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.825	46.55	-3.26	43.29	74.00	-30.71	peak
2 *	4873.989	33.71	-3.26	30.45	54.00	-23.55	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.	Vertical
Test Mode:	TX 802.11g Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4873.697	46.31	-3.26	43.05	74.00	-30.95	peak
2 *	4873.748	33.61	-3.26	30.35	54.00	-23.65	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.						

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.						



Ant. No.	Ant 1																														
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.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1 *</td><td>4823.878</td><td>33.48</td><td>-3.36</td><td>30.12</td><td>54.00</td><td>-23.88</td><td>AVG</td></tr><tr><td>2</td><td>4824.266</td><td>45.79</td><td>-3.36</td><td>42.43</td><td>74.00</td><td>-31.57</td><td>peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1 *	4823.878	33.48	-3.36	30.12	54.00	-23.88	AVG	2	4824.266	45.79	-3.36	42.43	74.00	-31.57	peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1 *	4823.878	33.48	-3.36	30.12	54.00	-23.88	AVG																								
2	4824.266	45.79	-3.36	42.43	74.00	-31.57	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 802.11n(HT20) Mode 2412MHz						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						



Ant. No.	Ant 1
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	4873.712	46.65	-3.26	43.39	74.00	-30.61	peak
2 *	4874.089	33.68	-3.26	30.42	54.00	-23.58	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 802.11n(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	4873.608	46.69	-3.26	43.43	74.00	-30.57	peak
2 *	4873.944	33.68	-3.26	30.42	54.00	-23.58	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 802.11n(HT20) Mode 2462MHz																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBUV)</th><th>Factor (dB/m)</th><th>Level (dBUV/m)</th><th>Limit (dBUV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1</td><td>4874.086</td><td>46.67</td><td>-3.26</td><td>43.41</td><td>74.00</td><td>-30.59</td><td>peak</td></tr><tr><td>2 *</td><td>4874.346</td><td>33.71</td><td>-3.26</td><td>30.45</td><td>54.00</td><td>-23.55</td><td>AVG</td></tr></table>								No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	1	4874.086	46.67	-3.26	43.41	74.00	-30.59	peak	2 *	4874.346	33.71	-3.26	30.45	54.00	-23.55	AVG
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector																								
1	4874.086	46.67	-3.26	43.41	74.00	-30.59	peak																								
2 *	4874.346	33.71	-3.26	30.45	54.00	-23.55	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.	Vertical																														
Test Mode:	TX 802.11n(HT20) Mode 2462MHz																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBUV)</th><th>Factor (dB/m)</th><th>Level (dBUV/m)</th><th>Limit (dBUV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1</td><td>4924.139</td><td>45.86</td><td>-3.16</td><td>42.70</td><td>74.00</td><td>-31.30</td><td>peak</td></tr><tr><td>2 *</td><td>4924.438</td><td>33.29</td><td>-3.16</td><td>30.13</td><td>54.00</td><td>-23.87</td><td>AVG</td></tr></table>								No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	1	4924.139	45.86	-3.16	42.70	74.00	-31.30	peak	2 *	4924.438	33.29	-3.16	30.13	54.00	-23.87	AVG
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector																								
1	4924.139	45.86	-3.16	42.70	74.00	-31.30	peak																								
2 *	4924.438	33.29	-3.16	30.13	54.00	-23.87	AVG																								
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value																															

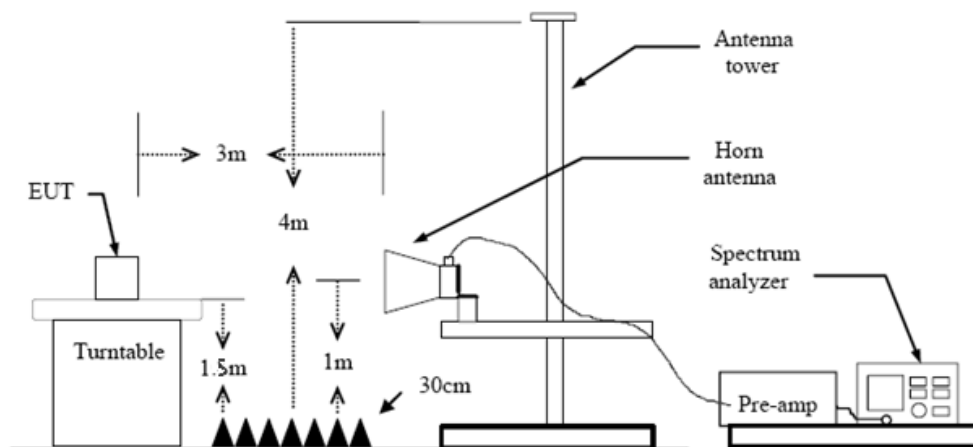
3.3. Band Edge Emissions (Radiated)

Limit

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

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

Test Configuration



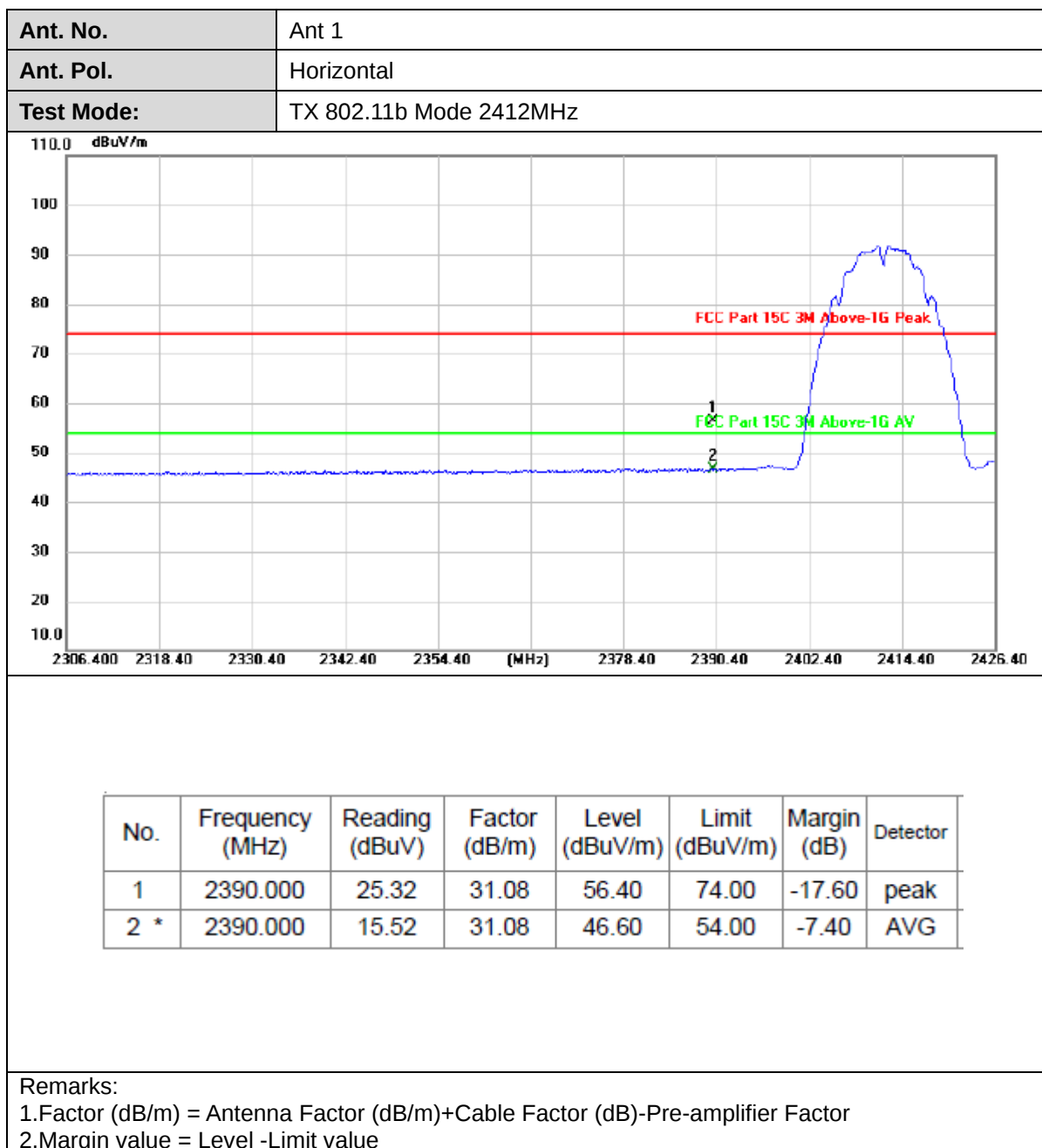
Test Procedure

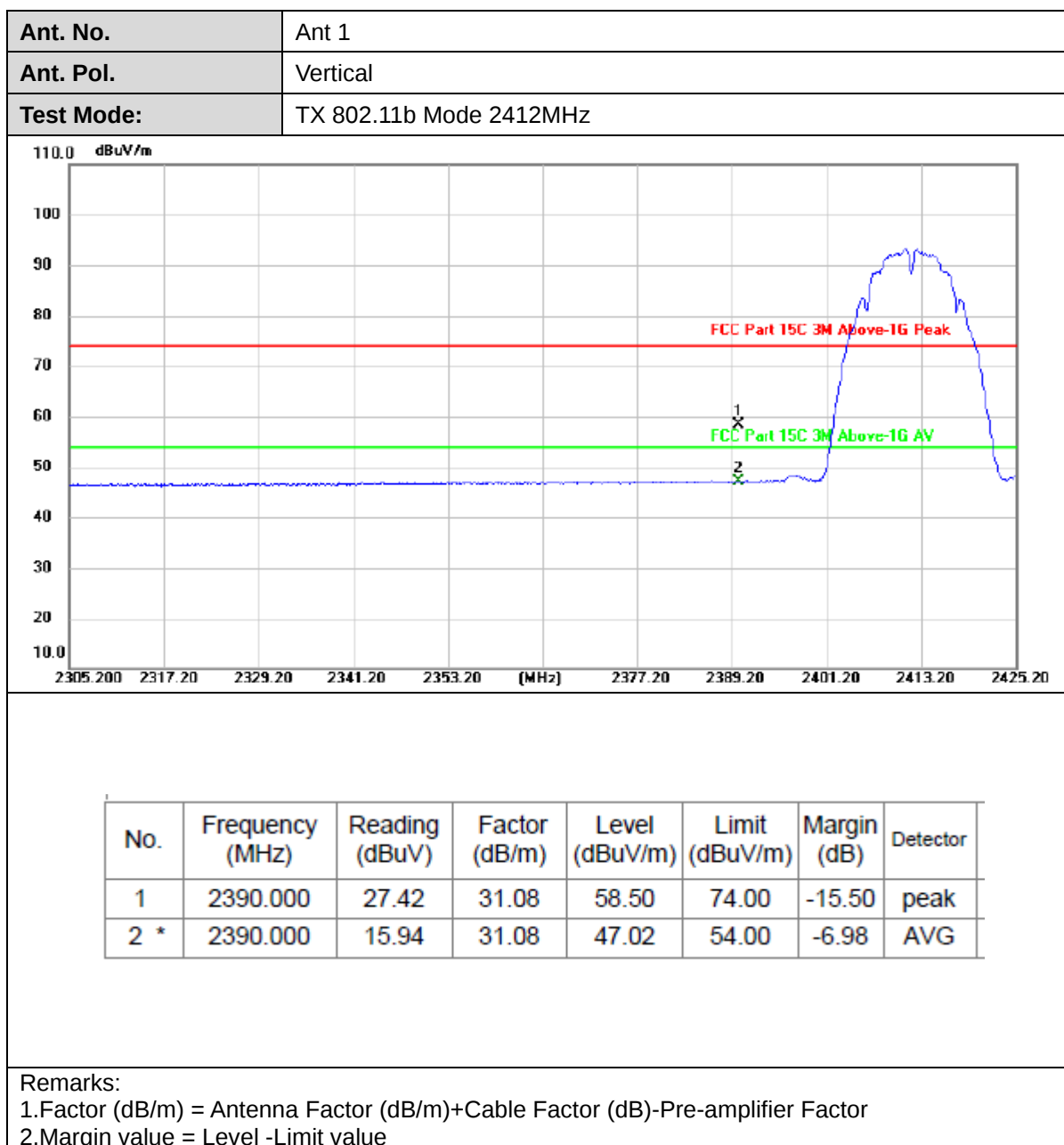
1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna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

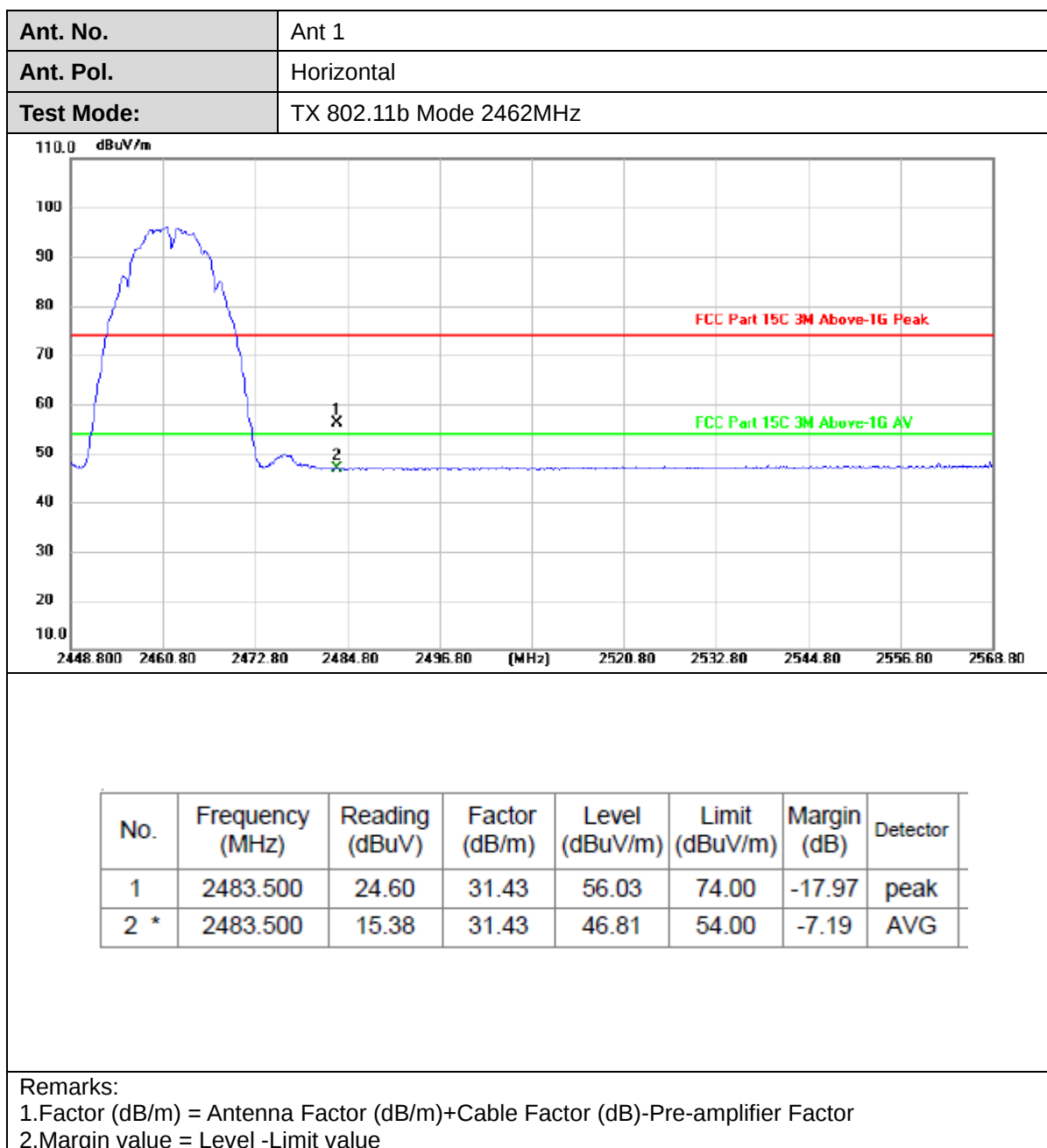
Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.8 Duty Cycle.

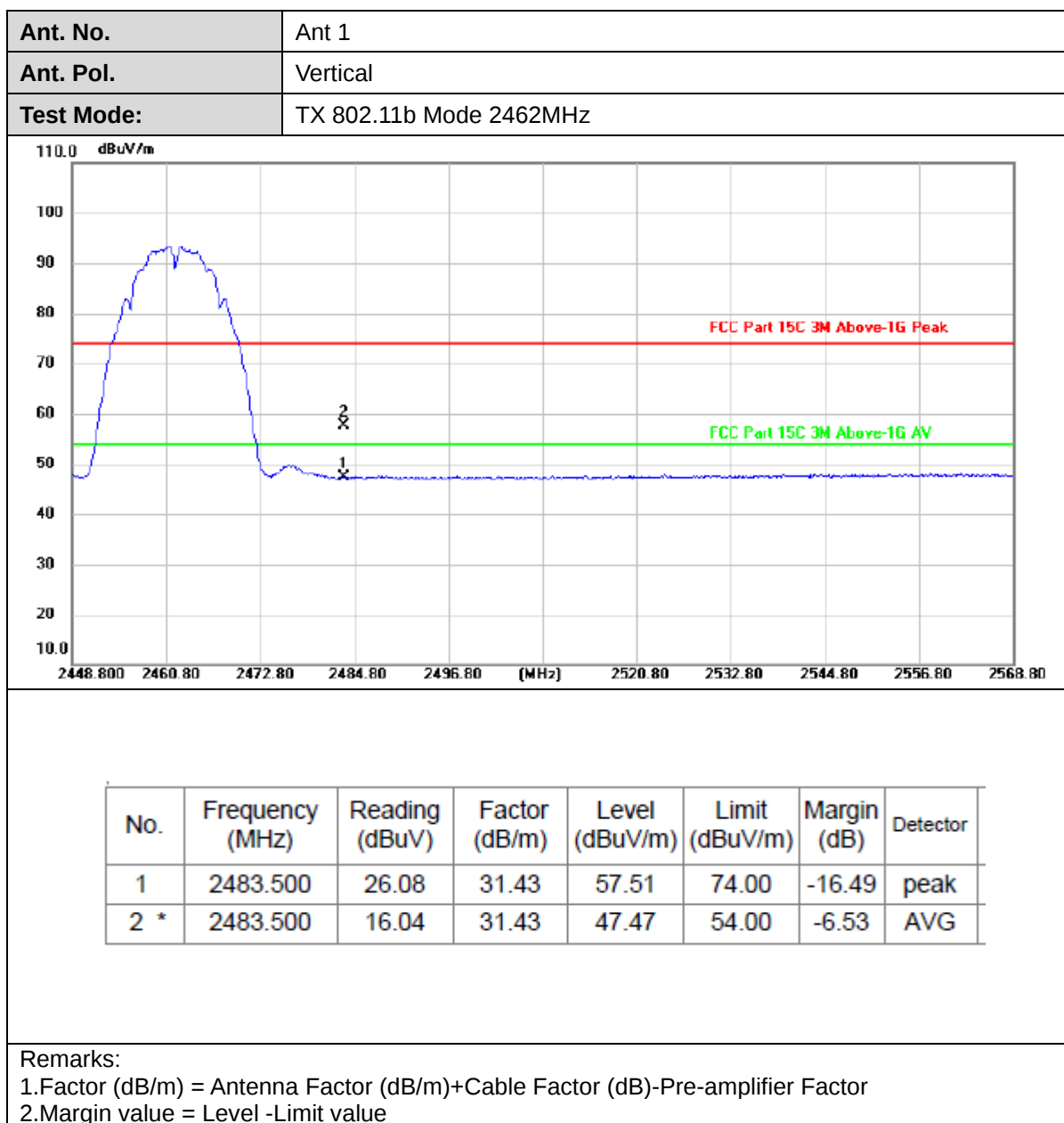
Test Mode

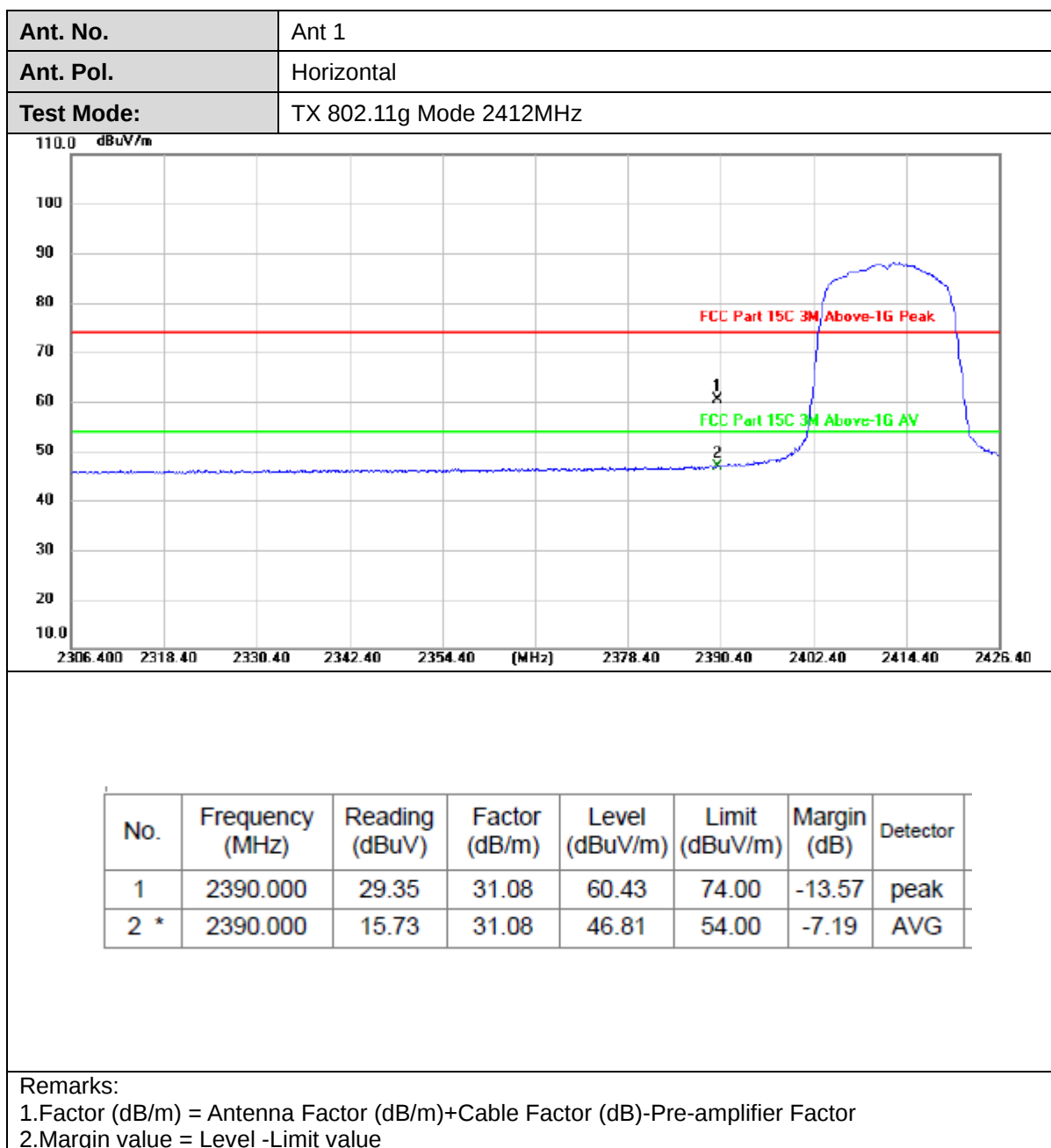
Please refer to the clause 2.4.

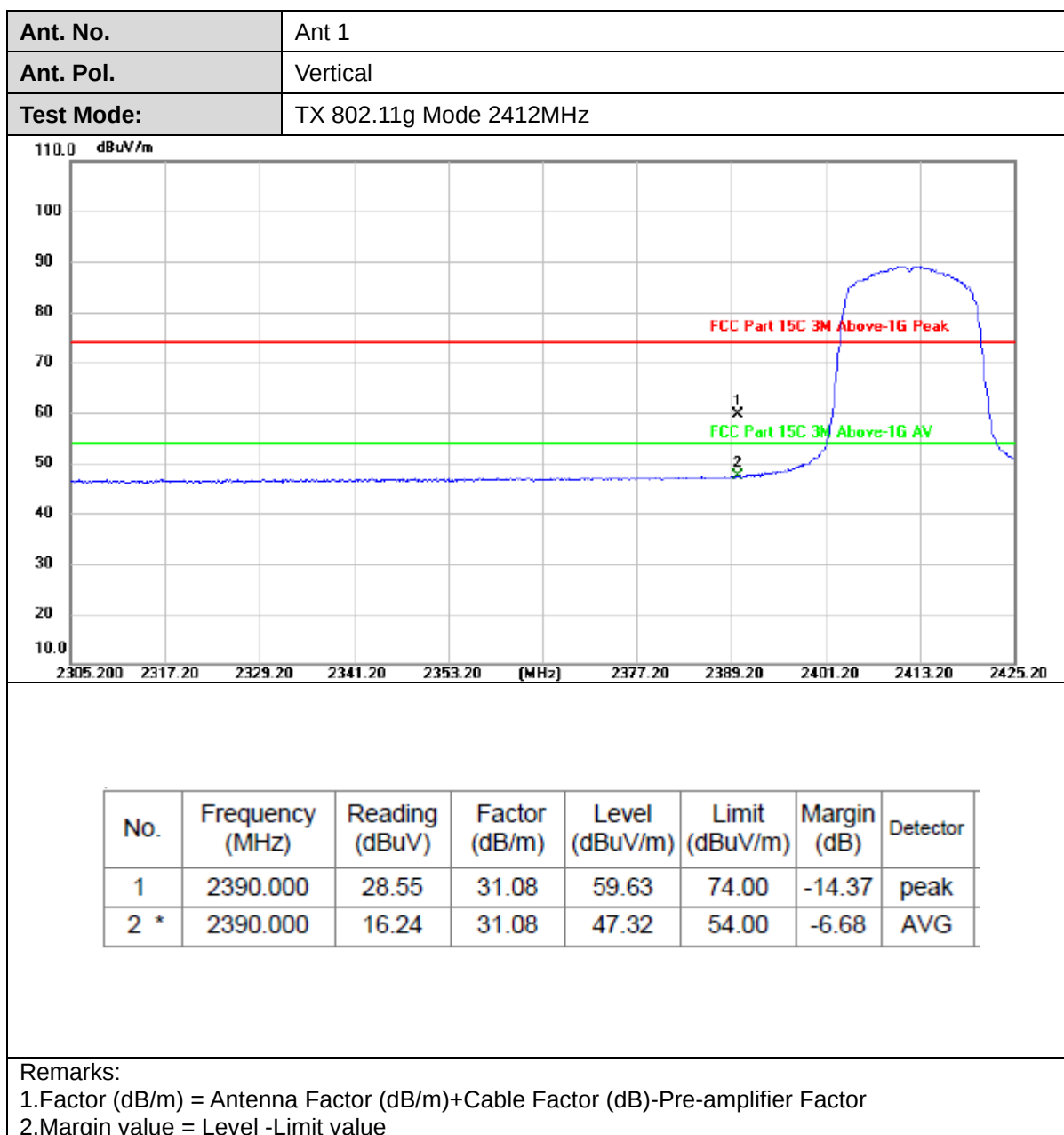
**Test Result**





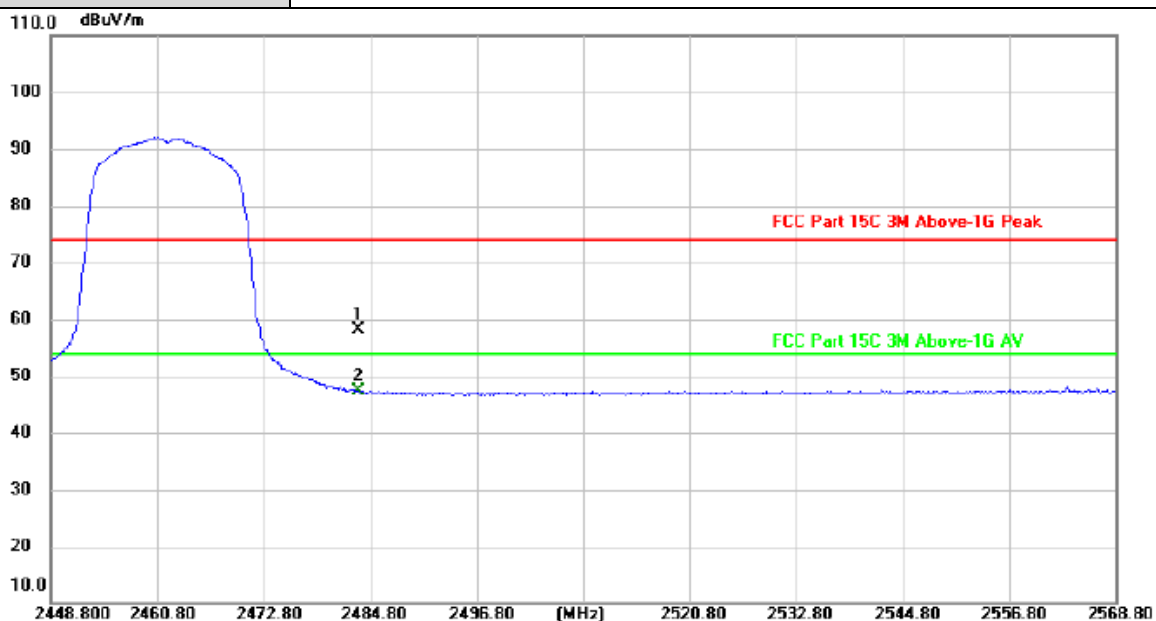








Ant. No.	Ant 1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11g Mode 2462MHz

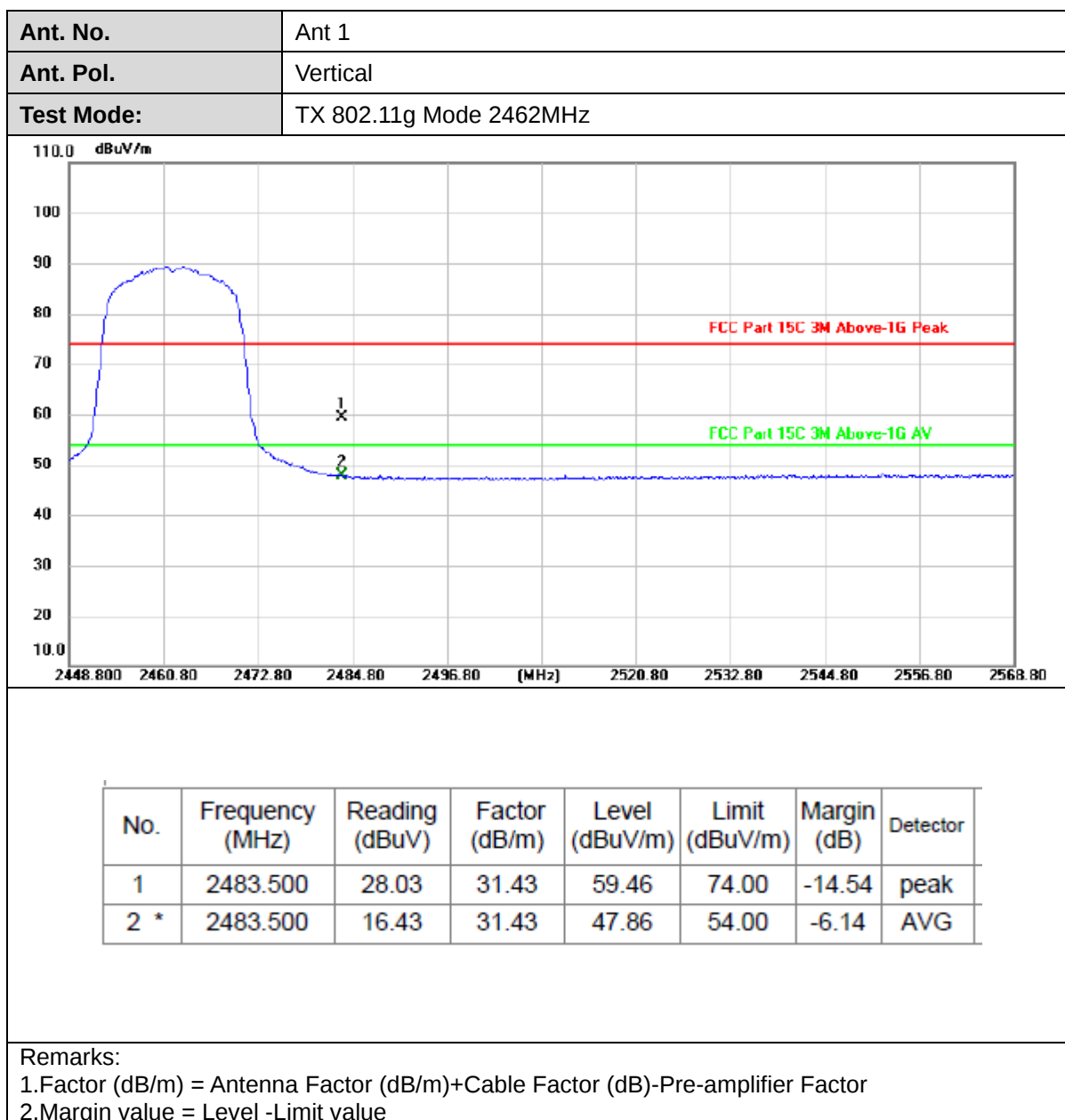


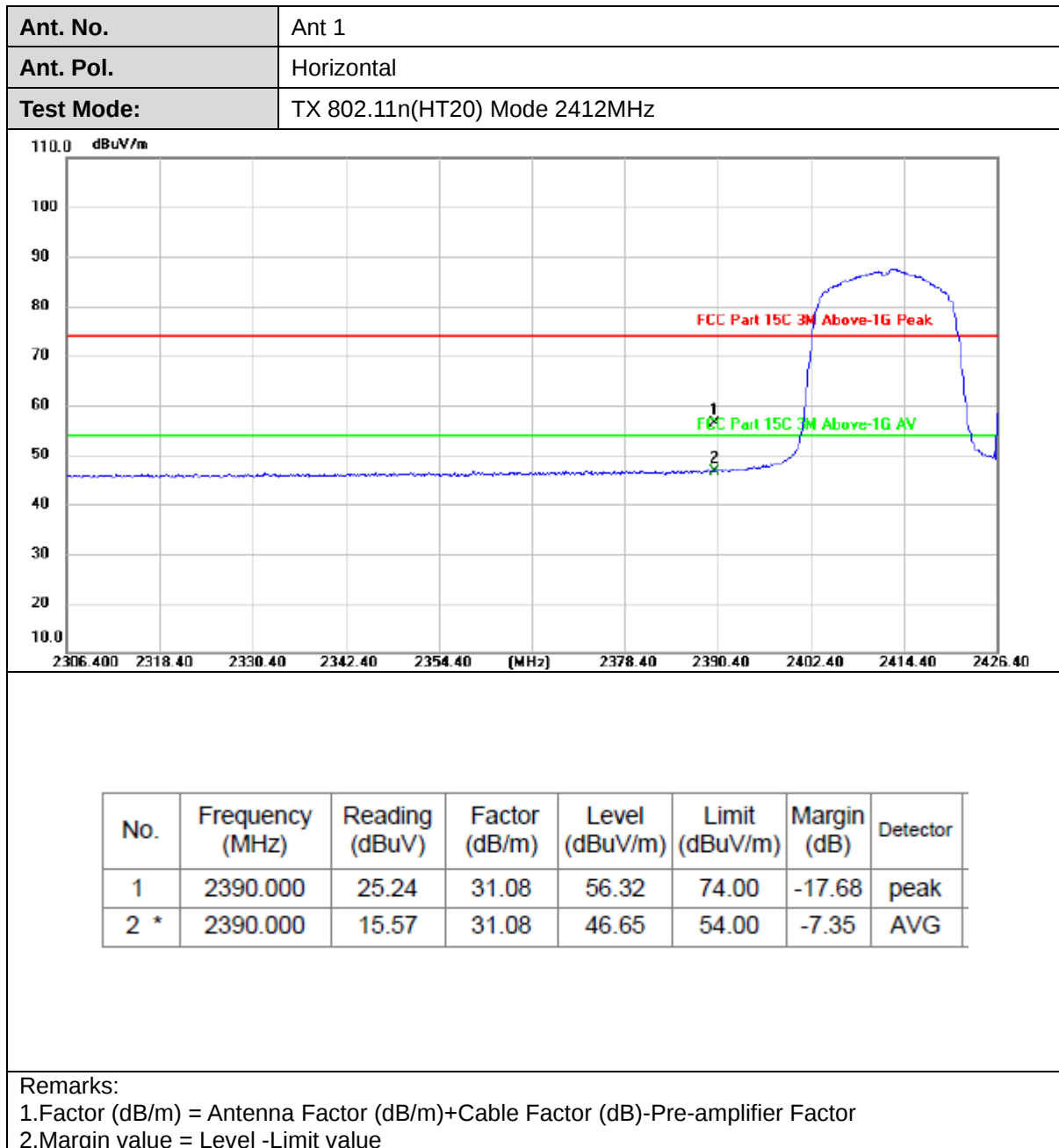
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	26.78	31.43	58.21	74.00	-15.79	peak
2 *	2483.500	15.83	31.43	47.26	54.00	-6.74	AVG

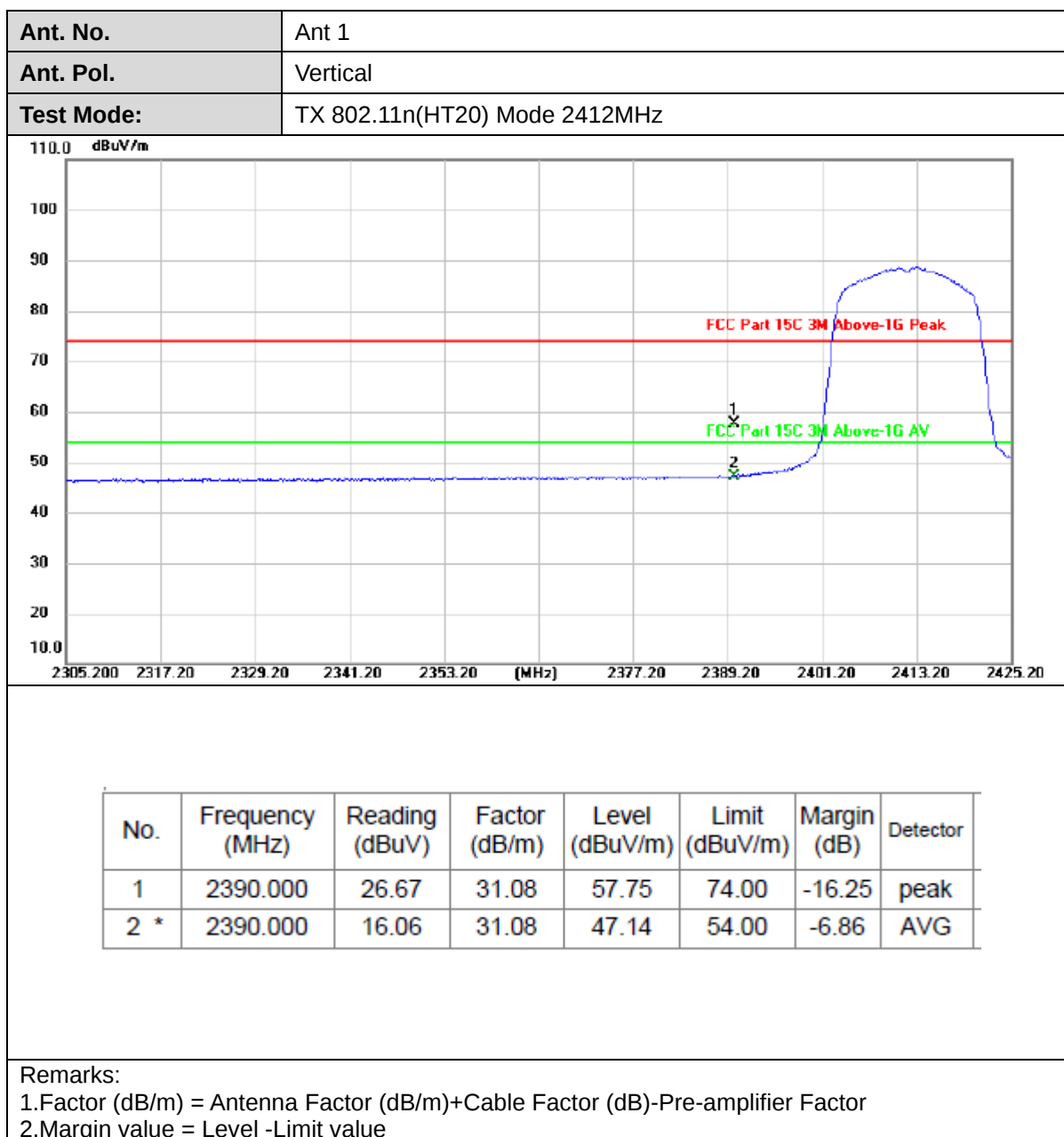
Remarks:

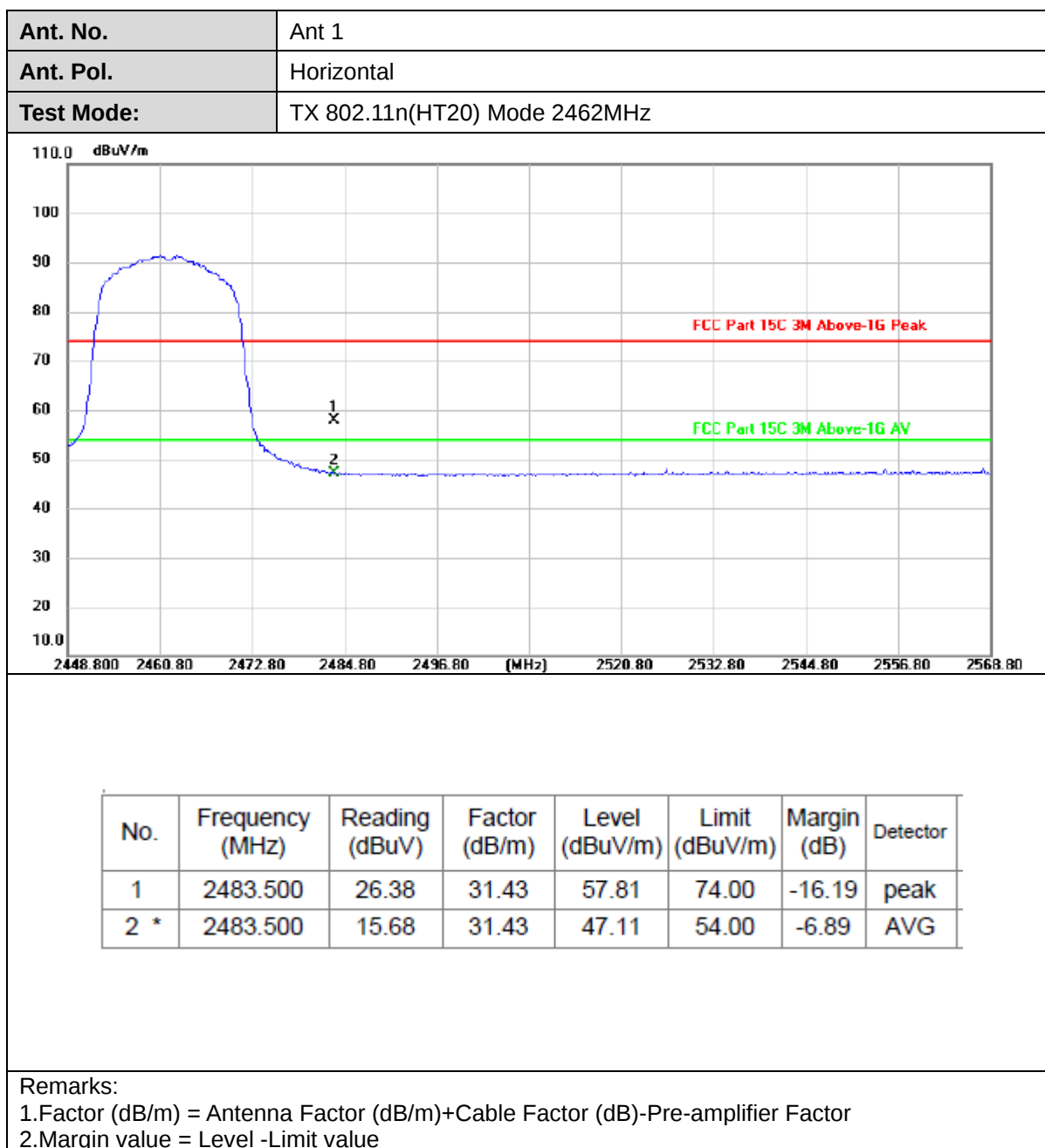
1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor

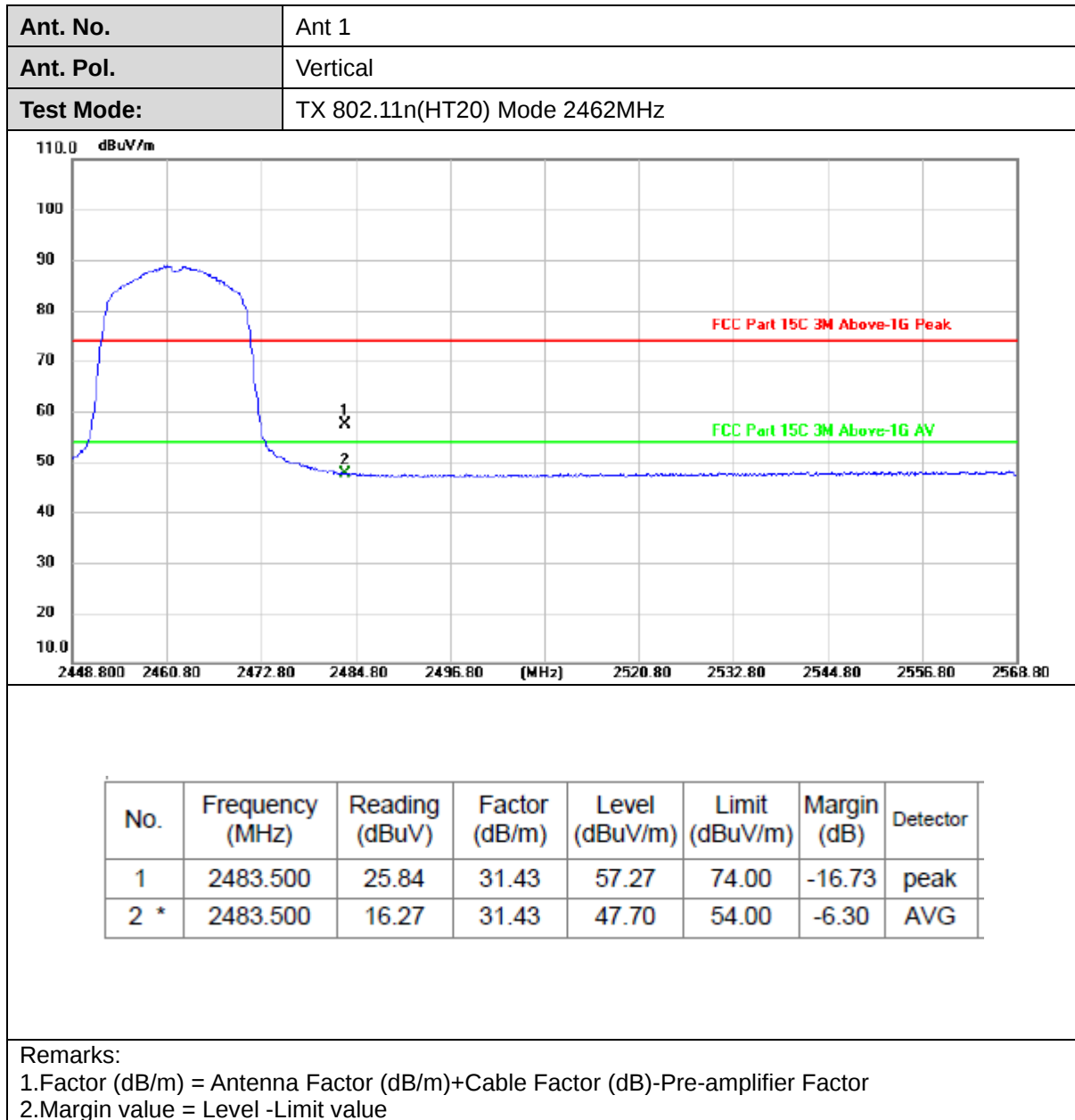
2. Margin value = Level - Limit value













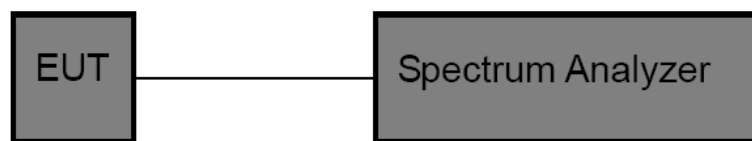
3.4. Band Edge and Spurious Emissions (Conducted)

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 $\geq$ 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****(1) Band Edge Conducted Test**

Test Mode	Antenna	ChName	Frequency (MHz)	Ref Level (dBm)	Result (dBm)	Limit (dBm)	Verdict
802.11b	Ant1	Low	2412	7.06	-47.9	≤ -22.94	Pass
		High	2462	7.60	-48.09	≤ -22.4	Pass
802.11g	Ant1	Low	2412	3.68	-35.88	≤ -26.32	Pass
		High	2462	4.94	-42.48	≤ -25.06	Pass
802.11n(HT20)	Ant1	Low	2412	3.32	-35.67	≤ -26.68	Pass
		High	2462	5.32	-45.13	≤ -24.69	Pass

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Test plot as follows:



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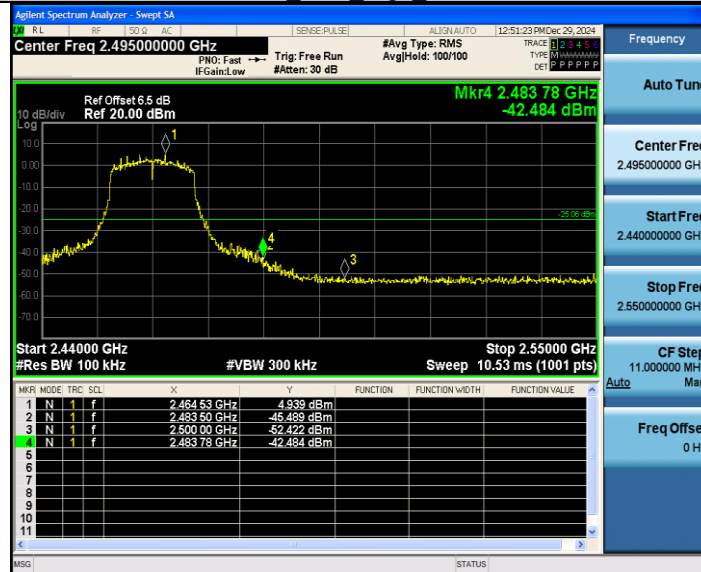
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Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-057_A1

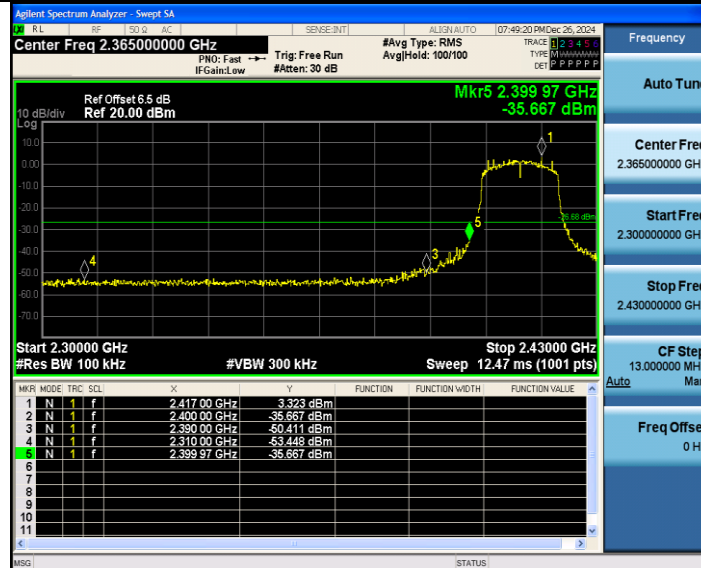
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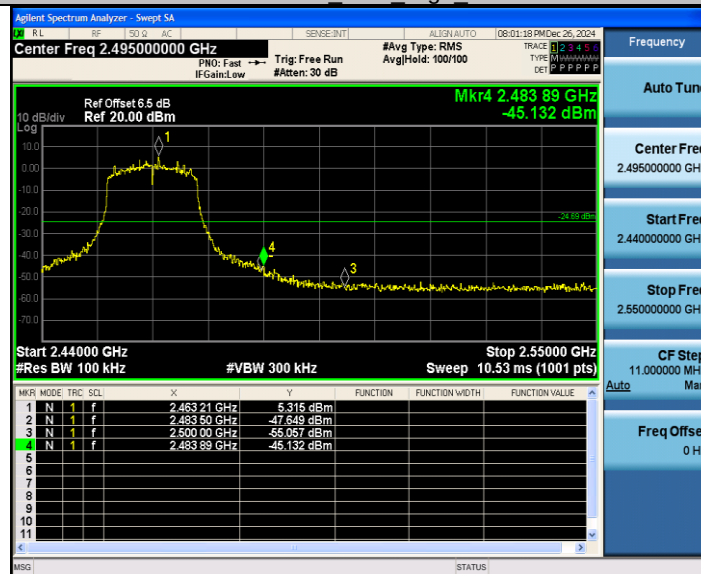
11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



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TRF No: CTC-TR-057_A1

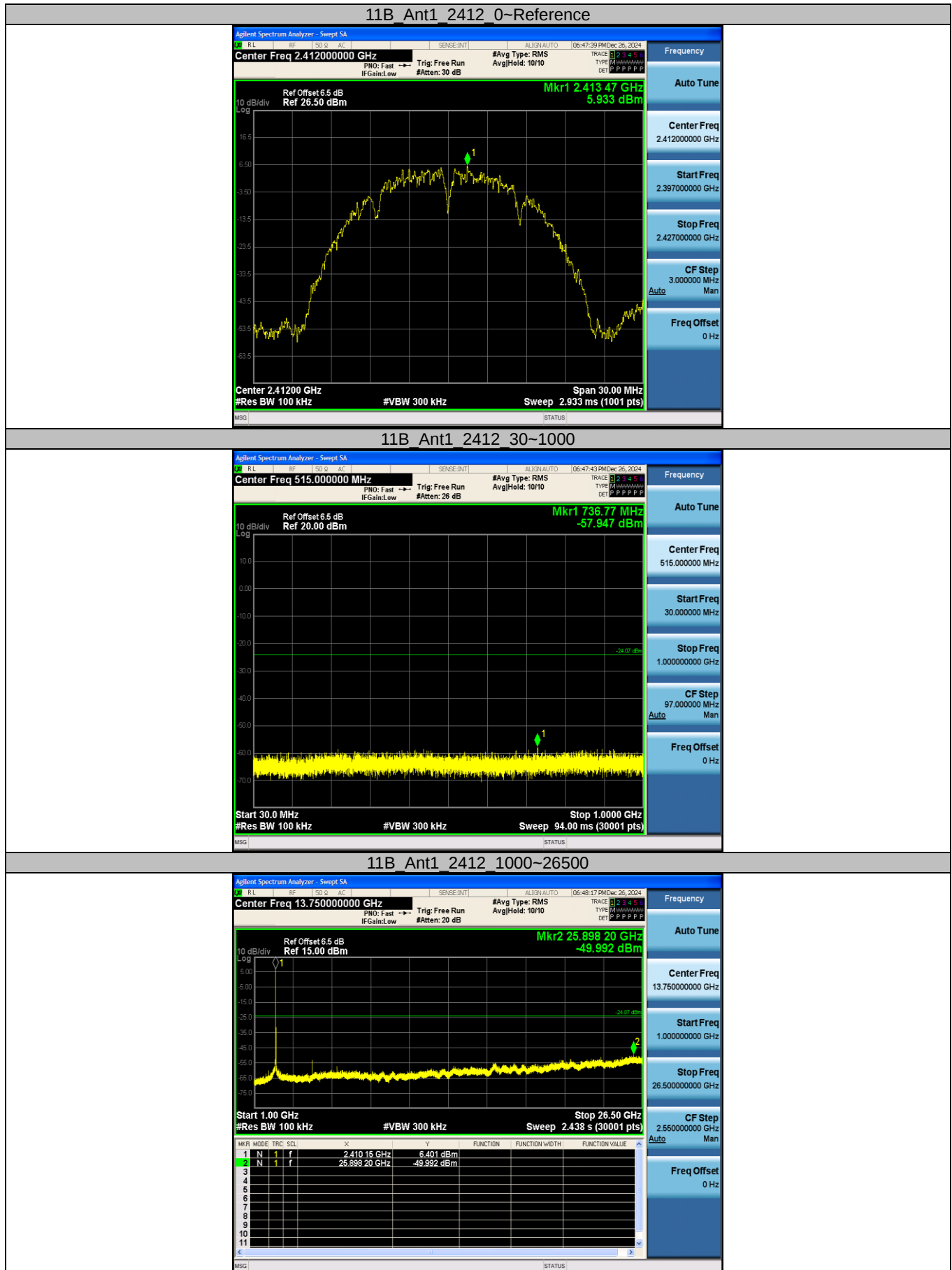
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn

**(2) Conducted Spurious Emissions Test**

Test Mode	Antenna	Frequency (MHz)	Frequency Range (MHz)	Ref Level (dBm)	Result (dBm)	Limit (dBm)	Verdict
802.11b	Ant1	2412	Reference	5.93	5.93	---	Pass
			30~1000	5.93	-57.95	≤-24.07	Pass
			1000~26500	5.93	-49.99	≤-24.07	Pass
		2437	Reference	5.96	5.96	---	Pass
			30~1000	5.96	-56.51	≤-24.04	Pass
			1000~26500	5.96	-49.59	≤-24.04	Pass
		2462	Reference	7.54	7.54	---	Pass
			30~1000	7.54	-57.11	≤-22.46	Pass
			1000~26500	7.54	-49.65	≤-22.46	Pass
802.11g	Ant1	2412	Reference	1.71	1.71	---	Pass
			30~1000	1.71	-57.24	≤-28.29	Pass
			1000~26500	1.71	-50.24	≤-28.29	Pass
		2437	Reference	2.12	2.12	---	Pass
			30~1000	2.12	-57.68	≤-27.88	Pass
			1000~26500	2.12	-49.95	≤-27.88	Pass
		2462	Reference	3.55	3.55	---	Pass
			30~1000	3.55	-56.81	≤-16.45	Pass
			1000~26500	3.55	-42.97	≤-16.45	Pass
802.11n(HT20)	Ant1	2412	Reference	1.42	1.42	---	Pass
			30~1000	1.42	-57.34	≤-28.58	Pass
			1000~26500	1.42	-49.04	≤-28.58	Pass
		2437	Reference	1.66	1.66	---	Pass
			30~1000	1.66	-57.04	≤-28.34	Pass
			1000~26500	1.66	-50.47	≤-28.34	Pass
		2462	Reference	2.91	2.91	---	Pass
			30~1000	2.91	-57.19	≤-27.09	Pass
			1000~26500	2.91	-49.58	≤-27.09	Pass



Test plot as follows:

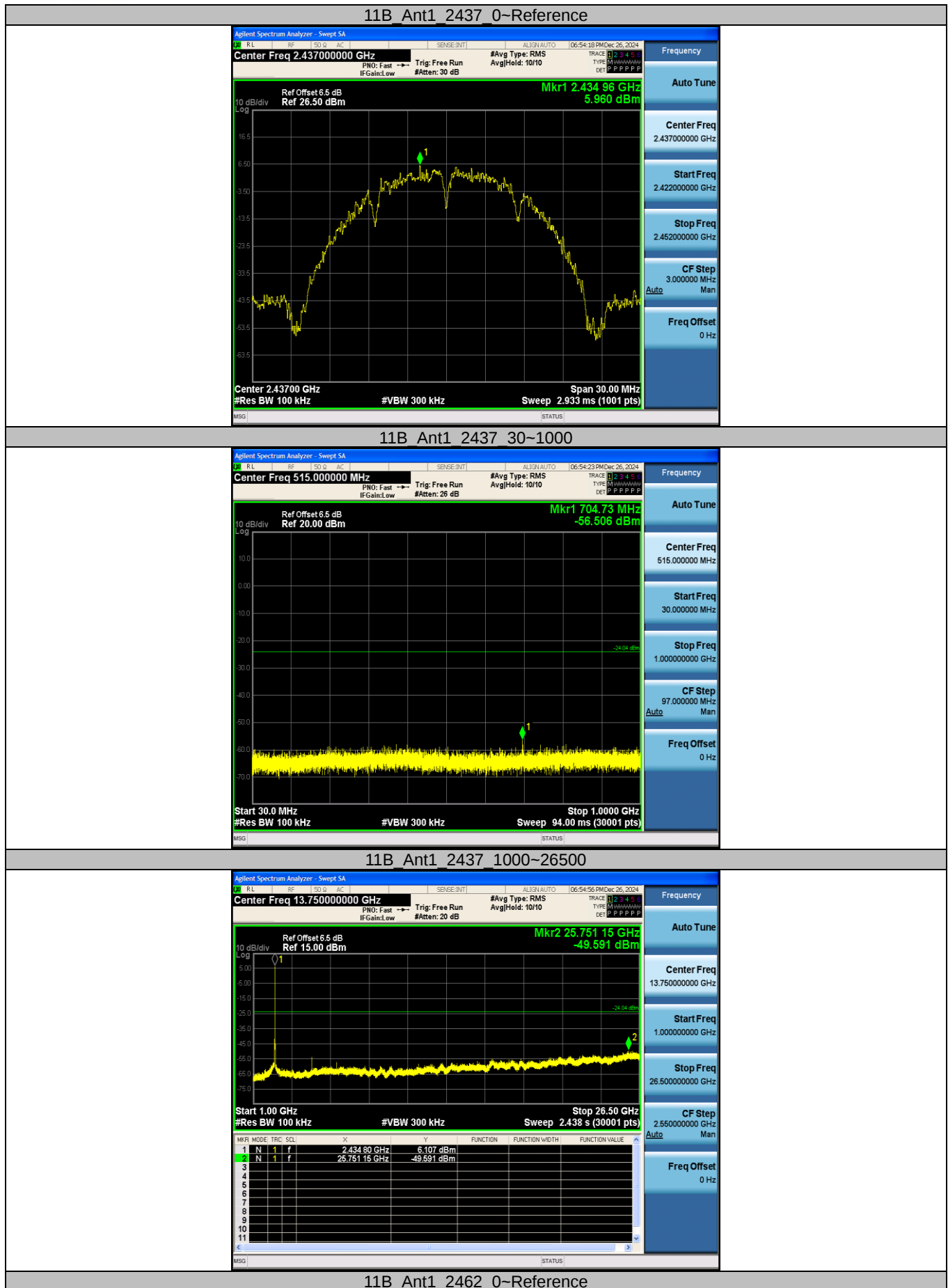


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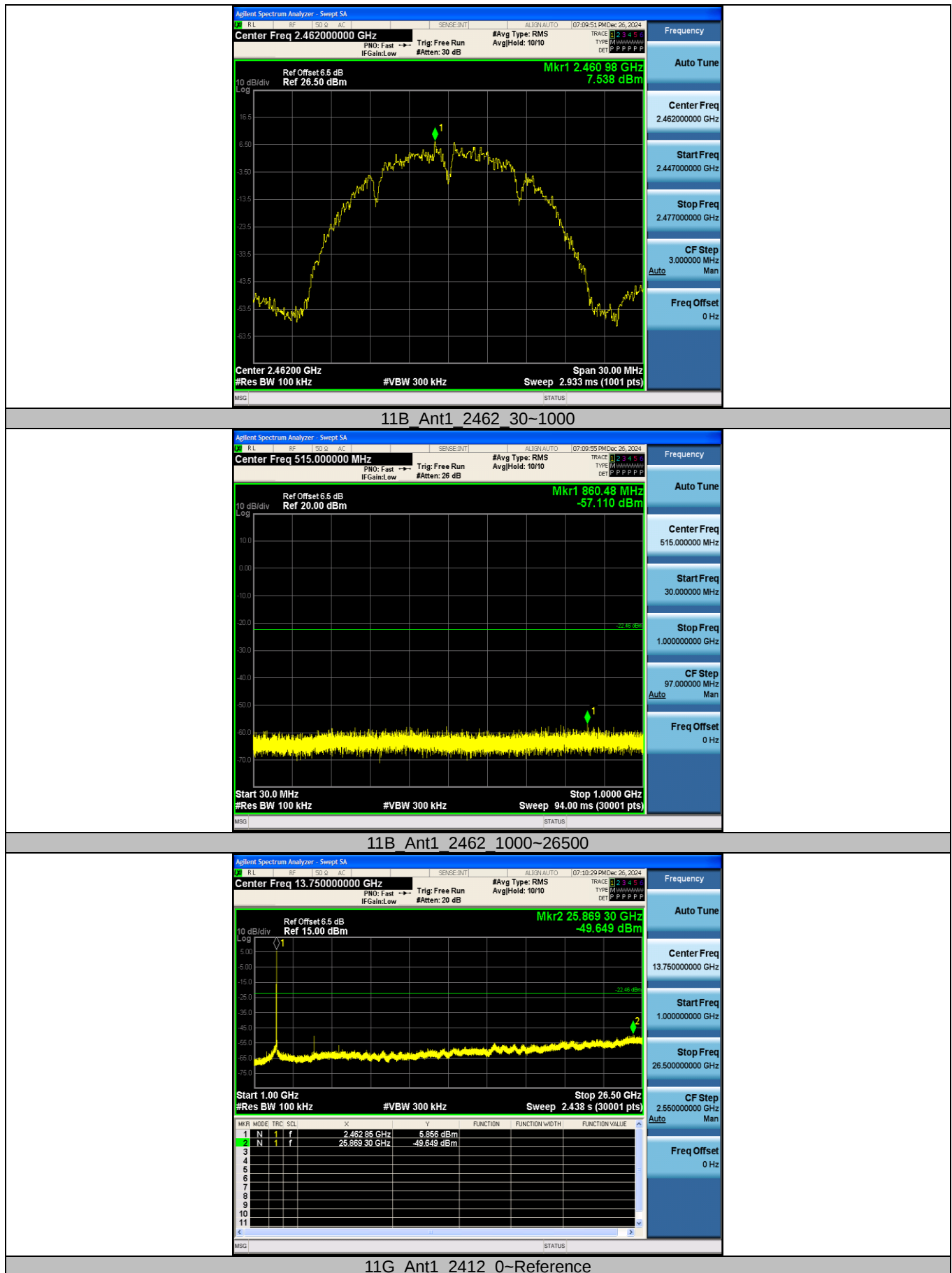


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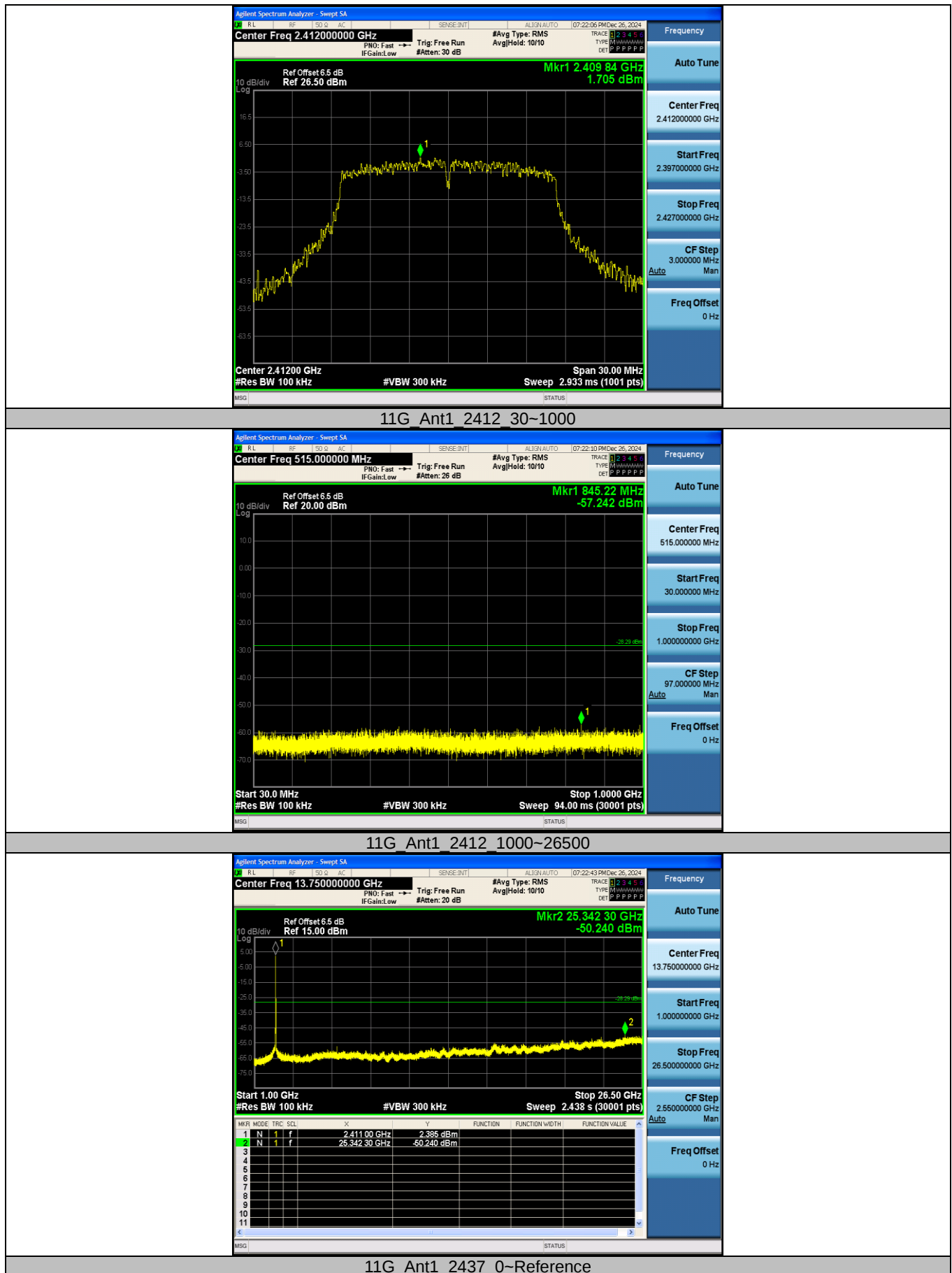


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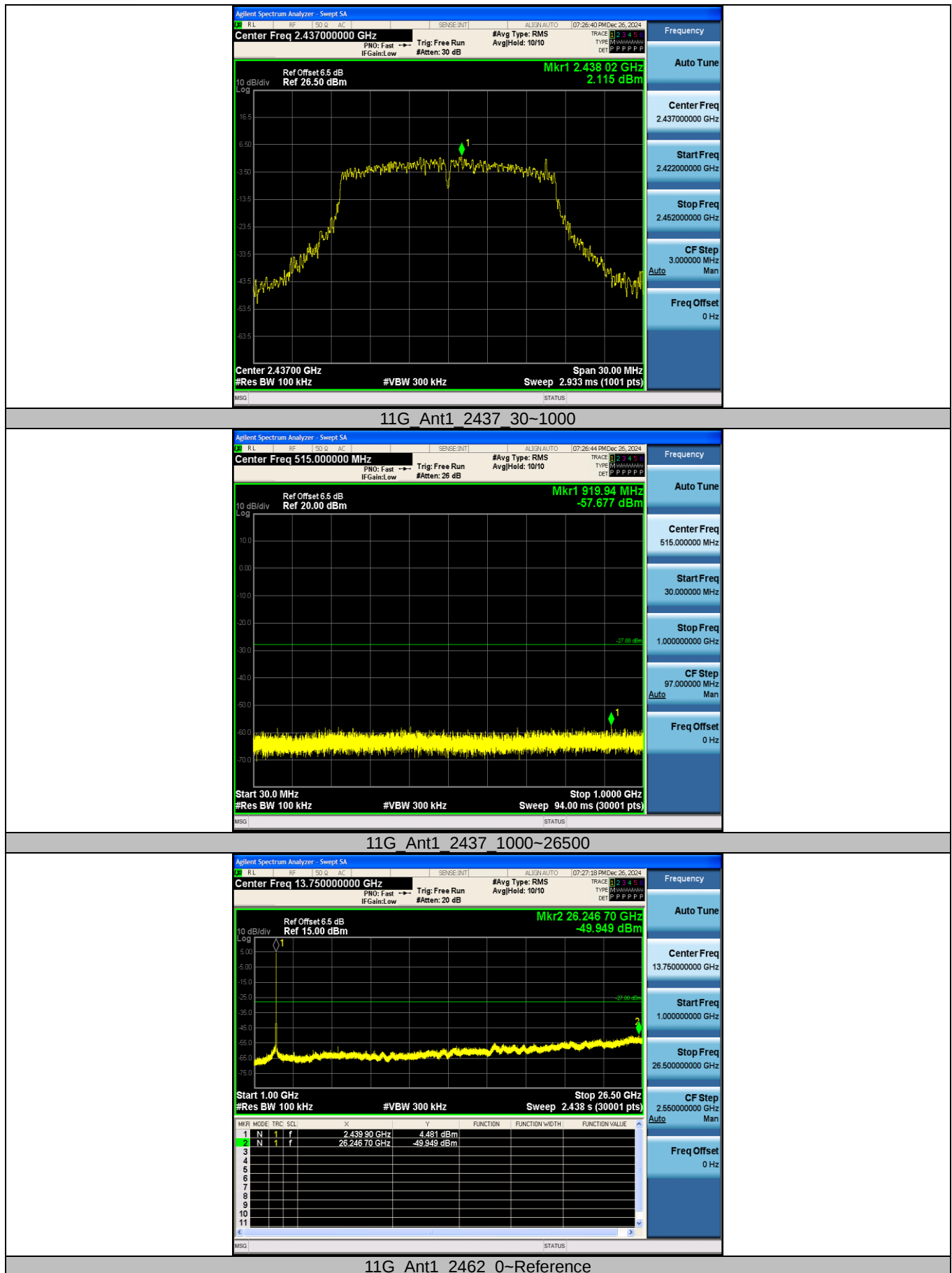


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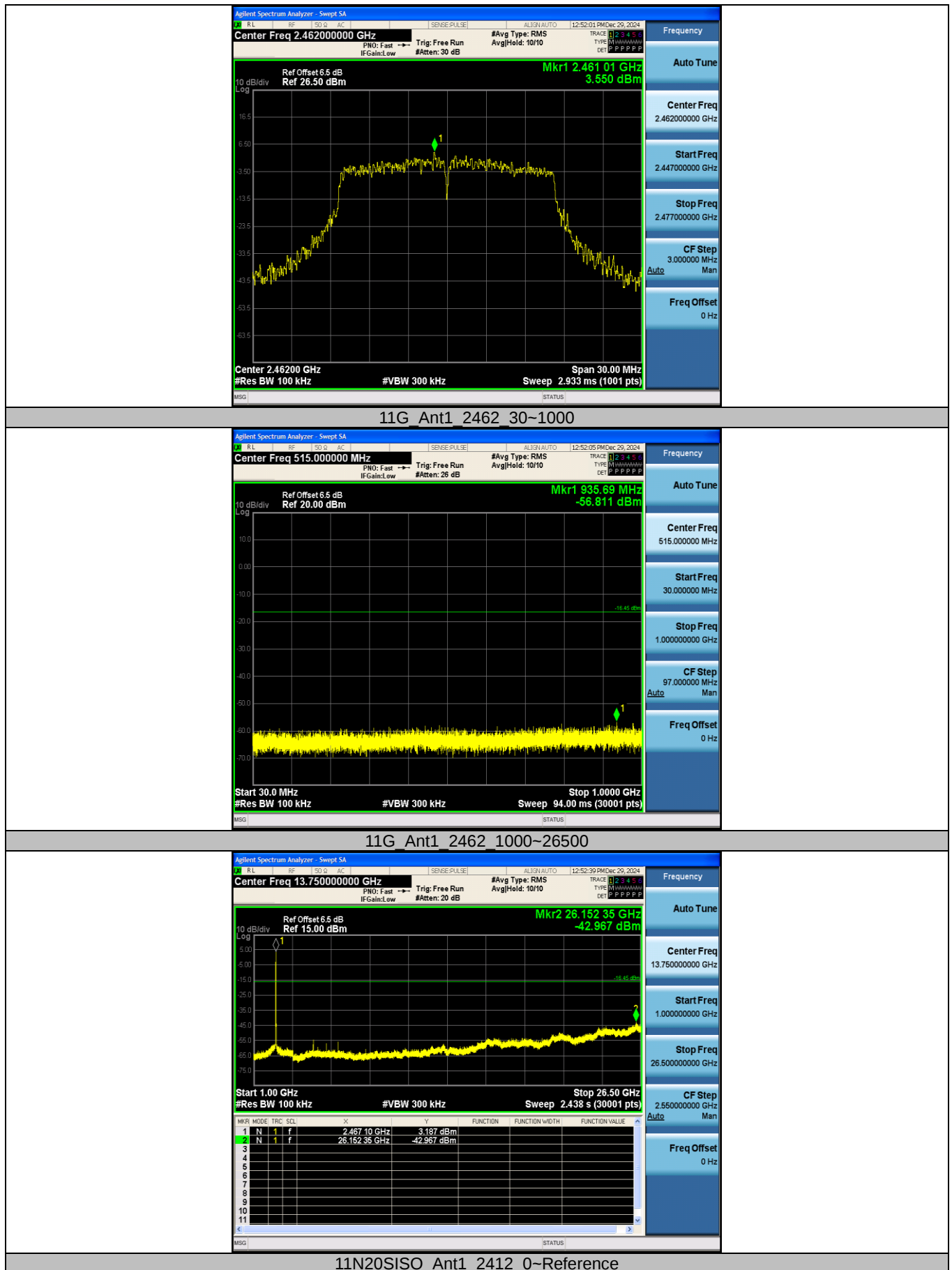


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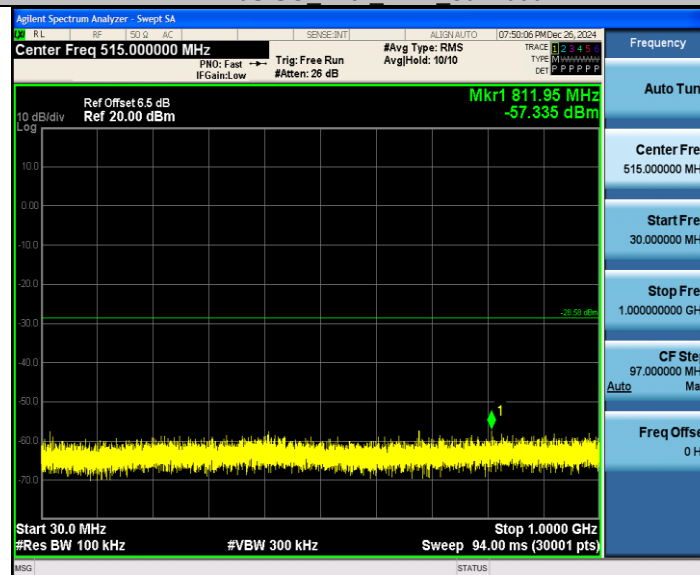
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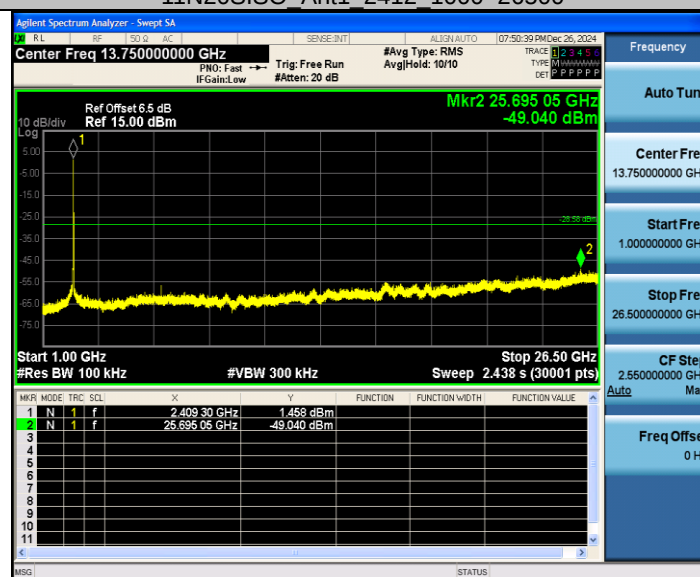
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11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference

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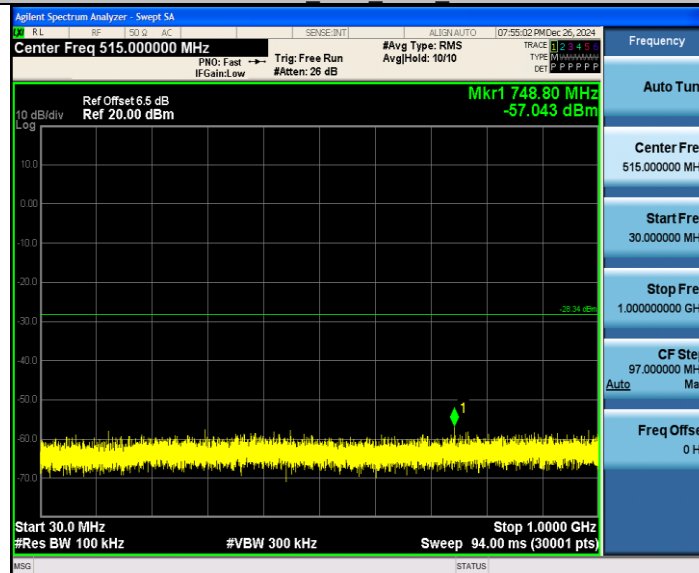
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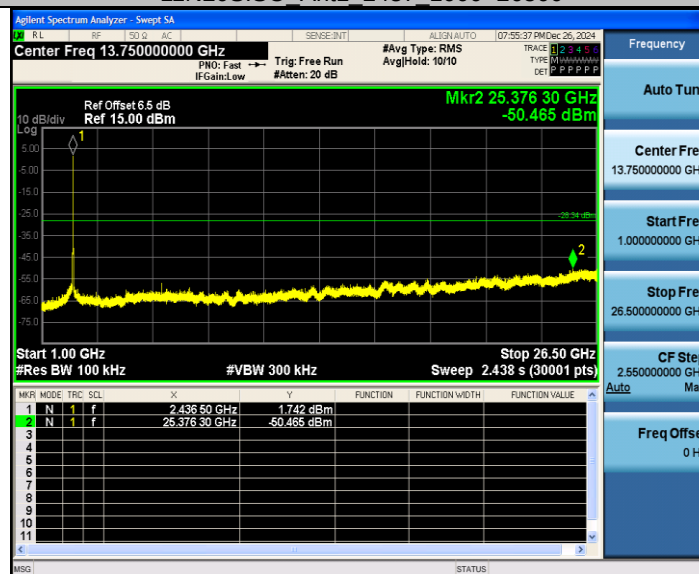
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11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

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