



TEST REPORT

Report No. : **CTC2024240510**

FCC ID : **WNA-HPR3A-W5**

Applicant : **Shenzhen Skyworth Digital Technology Co.,LTD.**

Address : 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China

Manufacturer : Shenzhen Skyworth Digital Technology Co.,LTD.

Address : 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China

Product Name : **TBD, SET TOP BOX**

Trade Mark : SKYWORTH, STRONG, QVWI, Next

Model/Type reference : HPR3A

Listed Model(s) : HPR311

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

Test Report Form No : CTC-TR-059_A1

Master TRF : Dated 2024-09-20

Date of receipt of test sample : Oct. 18, 2024

Date of testing : Oct. 21, 2024 ~ Oct. 30, 2024

Date of issue : Dec. 06, 2024

Result : **PASS**

Compiled by:

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Lucy Lan

Supervised by:

(Printed name+signature)

Eric Zhang

Approved by:

(Printed name+signature)

Totti Zhao

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**Table of Contents****Page**

1. TEST SUMMARY	3
1.1. TEST STANDARDS.....	3
1.2. REPORT VERSION	3
1.3. TEST DESCRIPTION.....	3
1.4. TEST FACILITY	4
1.5. MEASUREMENT UNCERTAINTY	5
1.6. ENVIRONMENTAL CONDITIONS.....	5
2. GENERAL INFORMATION	6
2.1. CLIENT INFORMATION	6
2.2. GENERAL DESCRIPTION OF EUT	6
2.3. ACCESSORY EQUIPMENT INFORMATION	8
2.4. OPERATION STATE	9
2.5. MEASUREMENT INSTRUMENTS LIST	10
3. TEST ITEM AND RESULTS	11
3.1. CONDUCTED EMISSION.....	11
3.2. RADIATED EMISSION.....	18
3.3. BAND EDGE EMISSIONS (RADIATED)	36
3.4. BAND EDGE AND SPURIOUS EMISSIONS (CONDUCTED)	49
3.5. 20dB BANDWIDTH.....	64
3.6. CHANNEL SEPARATION.....	71
3.7. NUMBER OF HOPPING CHANNEL.....	73
3.8. DWELL TIME	75
3.9. PEAK OUTPUT POWER	83
3.10. DUTY CYCLE	87
3.11. ANTENNA REQUIREMENT.....	91



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	CTC2024240510	Dec. 06, 2024	Original

1.3. Test Description

FCC Part 15 Subpart C (15.247)			
Test Item	Standard Section	Result	Test Engineer
Antenna Requirement	15.203	Pass	Alicia Liu
Conducted Emission	15.207	Pass	Alicia Liu
Restricted Bands	15.205	Pass	Alicia Liu
Hopping Channel Separation	15.247(a)(1)	Pass	Alicia Liu
Dwell Time	15.247(a)(iii)	Pass	Alicia Liu
Peak Output Power	15.247(b)(1)	Pass	Alicia Liu
Number of Hopping Frequency	15.247(a)(iii)	Pass	Alicia Liu
Conducted Band Edge and Spurious Emissions	15.247(d)	Pass	Alicia Liu
Radiated Band Edge and Spurious Emissions	15.205&15.209&15.247(d)	Pass	Alicia Liu
Radiated Spurious Emission	15.247(d) &15.209	Pass	Alicia Liu
20dB Bandwidth	15.247(a)	Pass	Alicia Liu

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
20dB Emission Bandwidth	$\pm 0.0196\%$	(1)
Carrier Frequency Separation	$\pm 1.9\%$	(1)
Number of Hopping Channel	$\pm 1.9\%$	(1)
Time of Occupancy	$\pm 0.028\%$	(1)
Max Peak Conducted Output Power	± 0.743 dB	(1)
Band-edge Spurious Emission	± 1.328 dB	(1)
Conducted RF Spurious Emission	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 Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Factory:	Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Factory
Address:	2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyan Street, Baoan District, Shenzhen city, China.

2.2. General Description of EUT

Product Name:	TBD, SET TOP BOX
Trade Mark:	SKYWORTH, STRONG, QVWI, Next
Model/Type reference:	HPR3A
Listed Model(s):	HPR311
Model Difference:	Only the models name is different
Sample ID:	CTC241012-002-S001
Power Supply:	DC12V 1A from AC/DC Adapter
Adapter Model 1	YS-SKY120100U00P ^{Note1} Input: 100-240V~ 50/60Hz 0.5A Output: 12Vdc/1A 12.0W
Adapter Model 2	RJ-SKY120100U60S ^{Note2} Input: 100-240V~ 50/60Hz 0.5A Output: 12Vdc/1A 12.0W
Adapter Model 3	BS12A-1201000US Input: 100-240V~ 50/60Hz 0.4A Output: 12Vdc/1A 12.0W
Hardware version:	/
Software version:	/

Note:

1. YS-SKY120100U0XP, (where X represents for marketing purpose with no safety impact, it can be 0-9)
2. RJ-SKY120100UXXS (XX=00-99, stands for customer code)



Bluetooth 5.0 / BR+EDR	
Modulation:	GFSK, $\pi/4$ -DQPSK, 8-DPSK
Operation Frequency:	2402MHz~2480MHz
Channel Number:	79
Channel Separation:	1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	1.87 dBi



2.3. Accessory Equipment Information

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



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. BT EDR, 79 channels are provided to the EUT. Channels 00/39/78 were selected for testing.

Operation Frequency List:

Channel	Frequency (MHz)
00	2402
01	2403
:	:
38	2440
39	2441
40	2442
:	:
77	2479
78	2480

Note: The display in grey were the channel selected for testing.

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 Bluetooth instrument 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	MXA Signal Analyzer	Keysight	N9020A	MY46471737	Dec. 12, 2024
2	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 12, 2024
3	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 12, 2024
4	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 15, 2025
5	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 15, 2025
6	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 25, 2025
7	Test Software	Tonscend	JS1120-3	V2.6.88.0346	/

Radiated emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9163	01026	Dec. 18, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Sep. 25, 2025
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 12, 2024
4	Broadband Amplifier	SCHWARZBECK	BBV9743B	259	Dec. 12, 2024
5	Microwave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 12, 2024
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026
7	Test Software	FARA	EZ-EMC	FA-03A2	/

Conducted emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	LISN	R&S	ENV216	101112	Dec. 12, 2024
2	LISN	R&S	ENV216	101113	Dec. 12, 2024
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 12, 2024
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 12, 2024
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 12, 2024
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

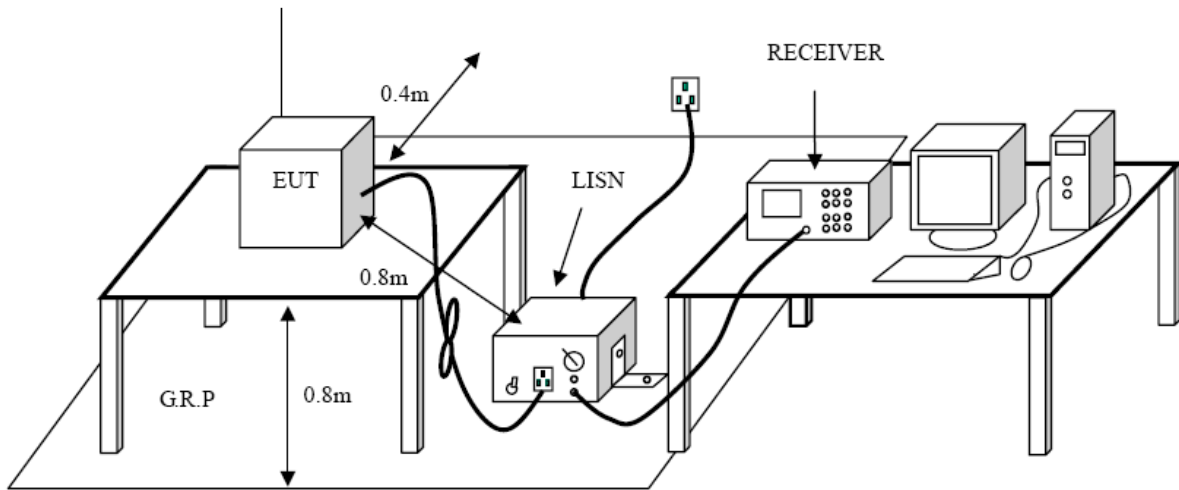
Limit

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

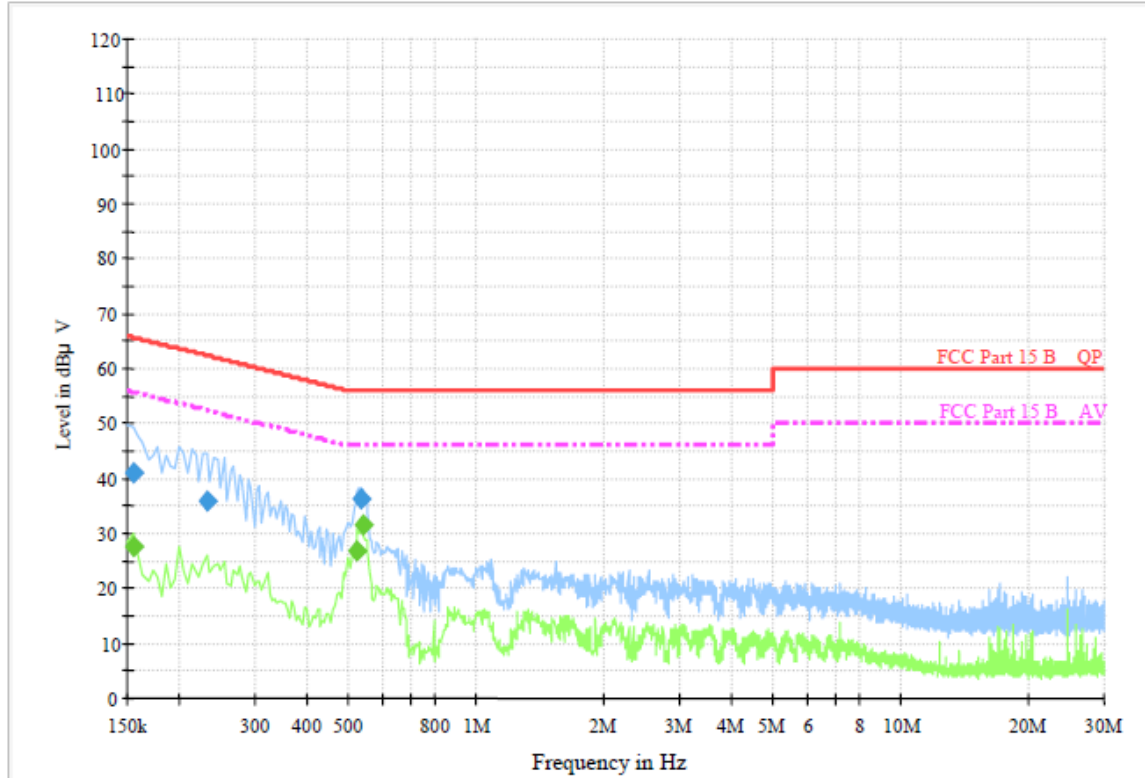
1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from 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
Adapter Model	YS-SKY120100U00P
Terminal:	Line
Remark:	Only worse case is reported

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.154500	41.1	1000.00	9.000	On	L1	9.5	24.7	65.8	
0.231000	36.0	1000.00	9.000	On	L1	9.5	26.4	62.4	
0.532500	36.3	1000.00	9.000	On	L1	9.5	19.7	56.0	

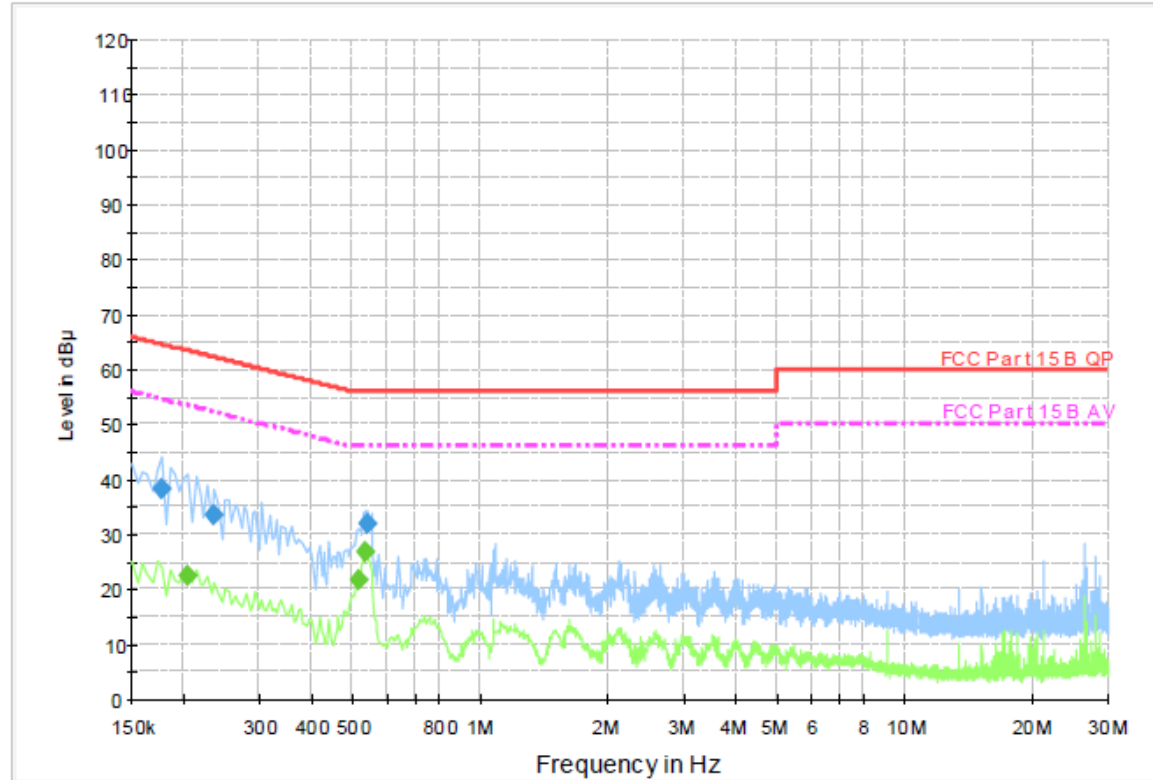
Final Measurement Detector 2

Frequency (MHz)	Average (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.154500	27.8	1000.00	9.000	On	L1	9.5	28.0	55.8	
0.519000	26.9	1000.00	9.000	On	L1	9.5	19.1	46.0	
0.537000	31.4	1000.00	9.000	On	L1	9.5	14.6	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Adapter Model	YS-SKY120100U00P
Terminal:	Neutral
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.177000	38.3	1000.00	9.000	On	N	9.5	26.3	64.6	
0.235500	33.7	1000.00	9.000	On	N	9.4	28.6	62.3	
0.537000	31.9	1000.00	9.000	On	N	9.4	24.1	56.0	

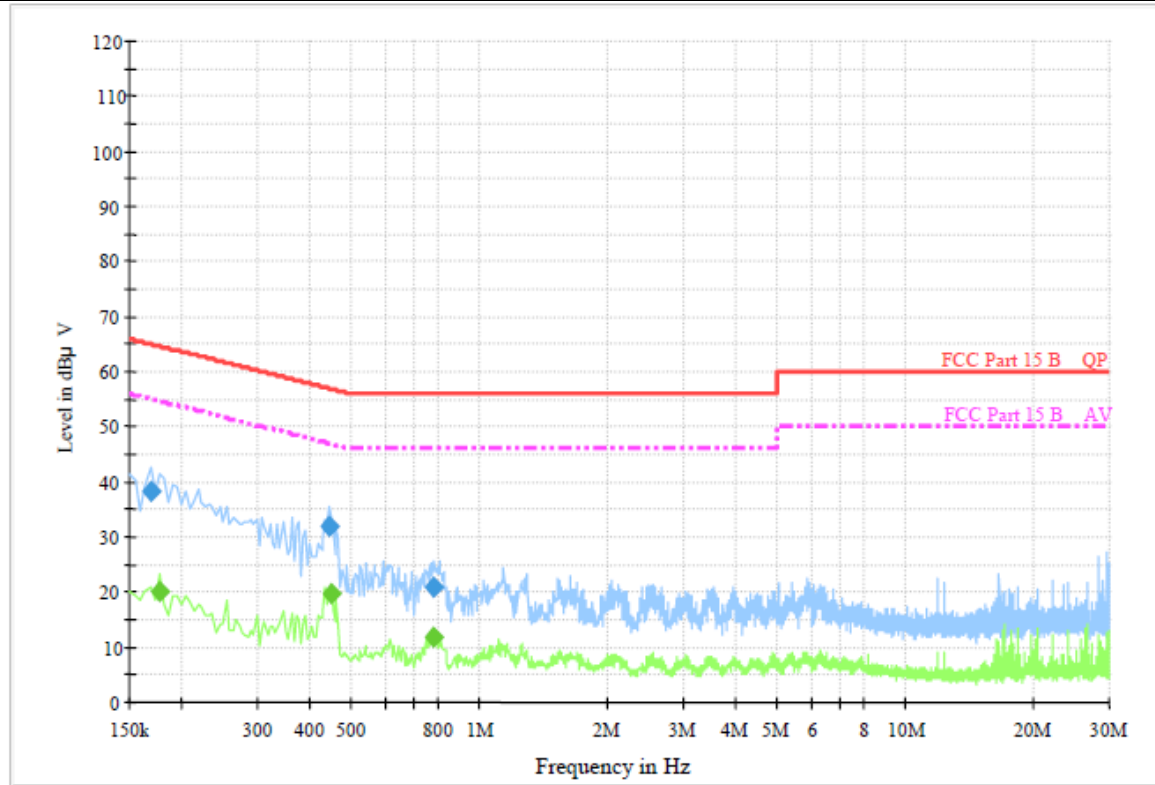
Final Measurement Detector 2

Frequency (MHz)	Average (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.204000	22.5	1000.00	9.000	On	N	9.4	30.9	53.4	
0.514500	21.7	1000.00	9.000	On	N	9.4	24.3	46.0	
0.532500	26.7	1000.00	9.000	On	N	9.4	19.3	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Adapter Model	RJ-SKY120100U60S
Terminal:	Line
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.168000	38.3	1000.00	9.000	On	L1	9.5	26.8	65.1	
0.442500	31.9	1000.00	9.000	On	L1	9.5	25.1	57.0	
0.780000	21.1	1000.00	9.000	On	L1	9.5	34.9	56.0	

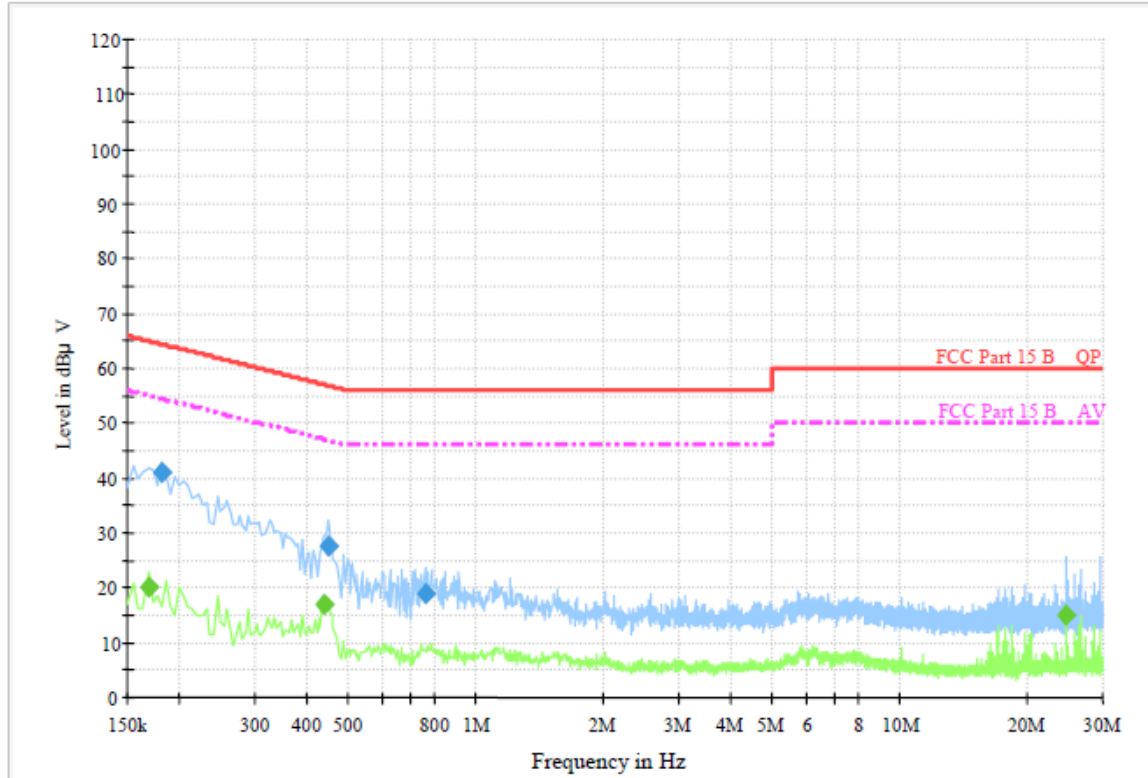
Final Measurement Detector 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.177000	20.2	1000.00	9.000	On	L1	9.5	34.4	54.6	
0.447000	19.8	1000.00	9.000	On	L1	9.5	27.1	46.9	
0.780000	11.8	1000.00	9.000	On	L1	9.5	34.2	46.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Adapter Model	RJ-SKY120100U60S
Terminal:	Neutral
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.181500	41.0	1000.00	9.000	On	N	9.5	23.4	64.4	
0.447000	27.8	1000.00	9.000	On	N	9.4	29.1	56.9	
0.757500	19.1	1000.00	9.000	On	N	9.4	36.9	56.0	

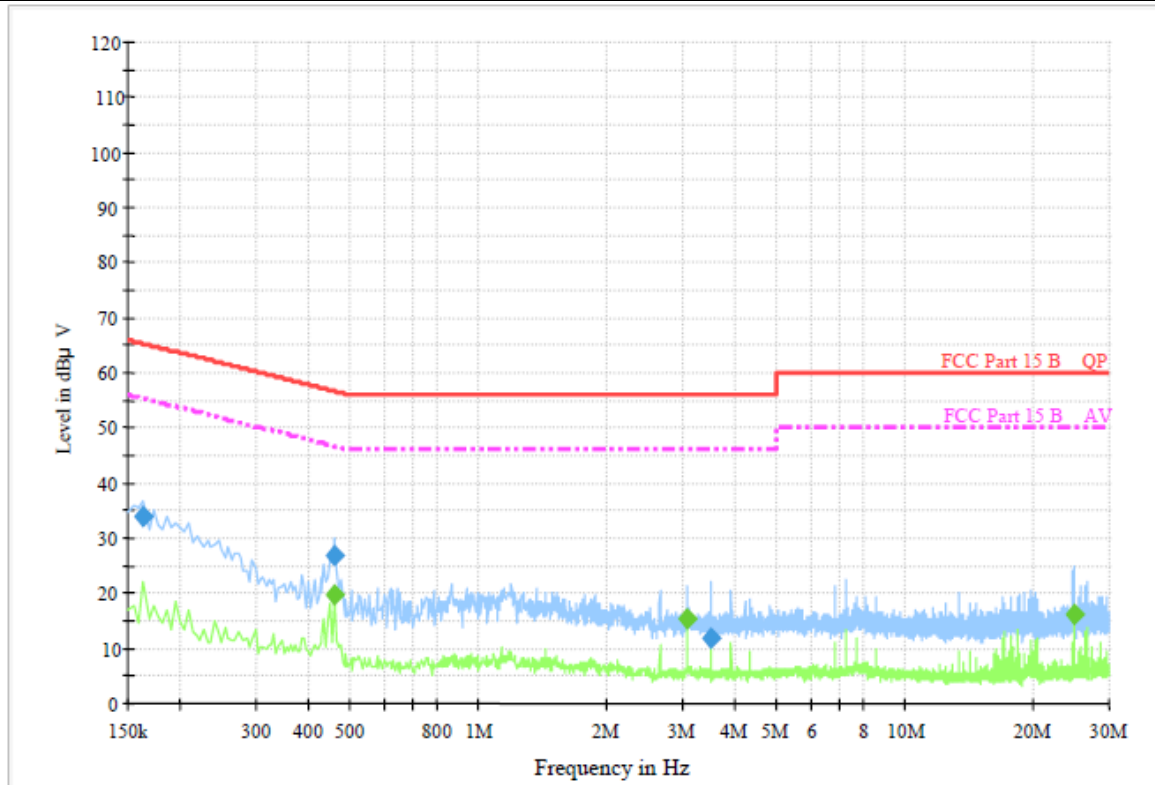
Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.168000	20.1	1000.00	9.000	On	N	9.5	35.0	55.1	
0.438000	17.0	1000.00	9.000	On	N	9.4	30.1	47.1	
24.441000	15.0	1000.00	9.000	On	N	9.5	35.0	50.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Adapter Model	BS12A-1201000US
Terminal:	Line
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.163500	33.8	1000.00	9.000	On	L1	9.5	31.5	65.3	
0.460500	27.0	1000.00	9.000	On	L1	9.5	29.7	56.7	
3.489000	11.9	1000.00	9.000	On	L1	9.5	44.1	56.0	

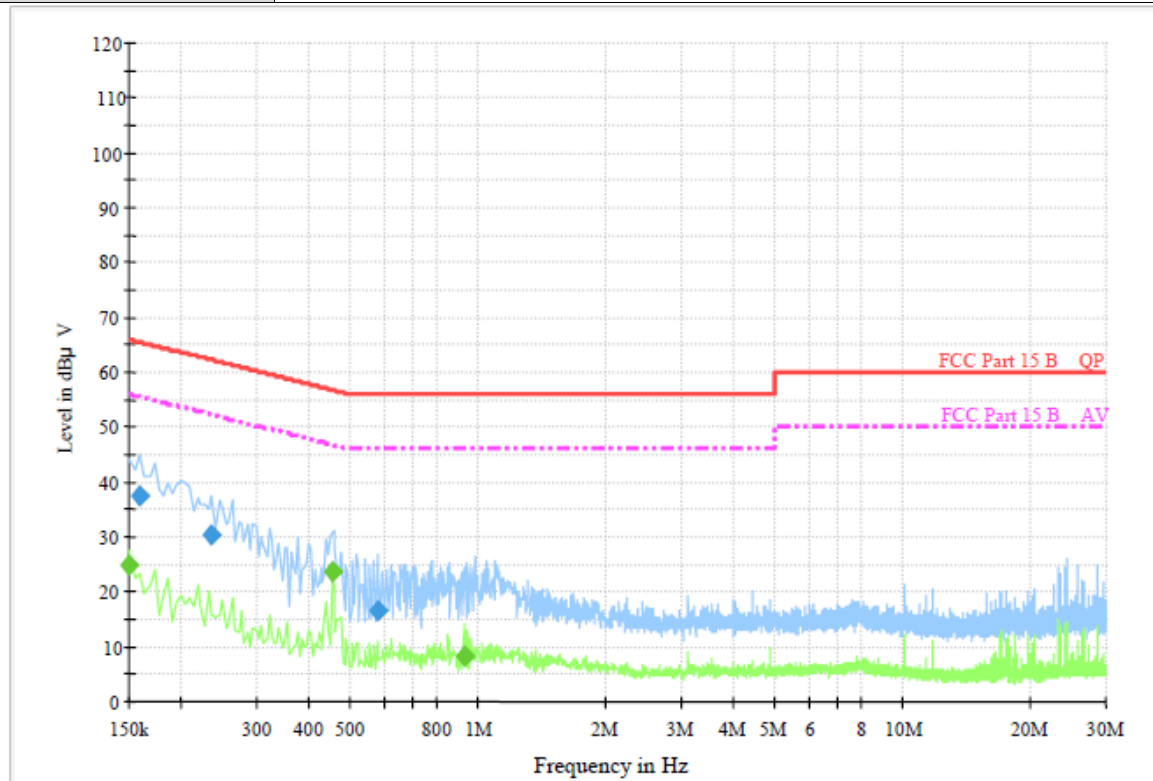
Final Measurement Detector 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.460500	19.8	1000.00	9.000	On	L1	9.5	26.9	46.7	
3.075000	15.2	1000.00	9.000	On	L1	9.5	30.8	46.0	
24.954000	16.3	1000.00	9.000	On	L1	9.7	33.7	50.0	

Emission Level = Read Level + Correct Factor



Test Voltage:	AC 120V/60Hz
Adapter Model	BS12A-1201000US
Terminal:	Neutral
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμ V)	Comment
0.159000	37.6	1000.00	9.000	On	N	9.5	27.9	65.5	
0.235500	30.6	1000.00	9.000	On	N	9.4	31.7	62.3	
0.577500	16.5	1000.00	9.000	On	N	9.4	39.5	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
0.150000	25.0	1000.00	9.000	On	N	9.5	31.0	56.0	
0.451500	23.6	1000.00	9.000	On	N	9.4	23.2	46.8	
0.924000	8.2	1000.00	9.000	On	N	9.4	37.8	46.0	

Emission Level = Read Level + Correct Factor

3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209

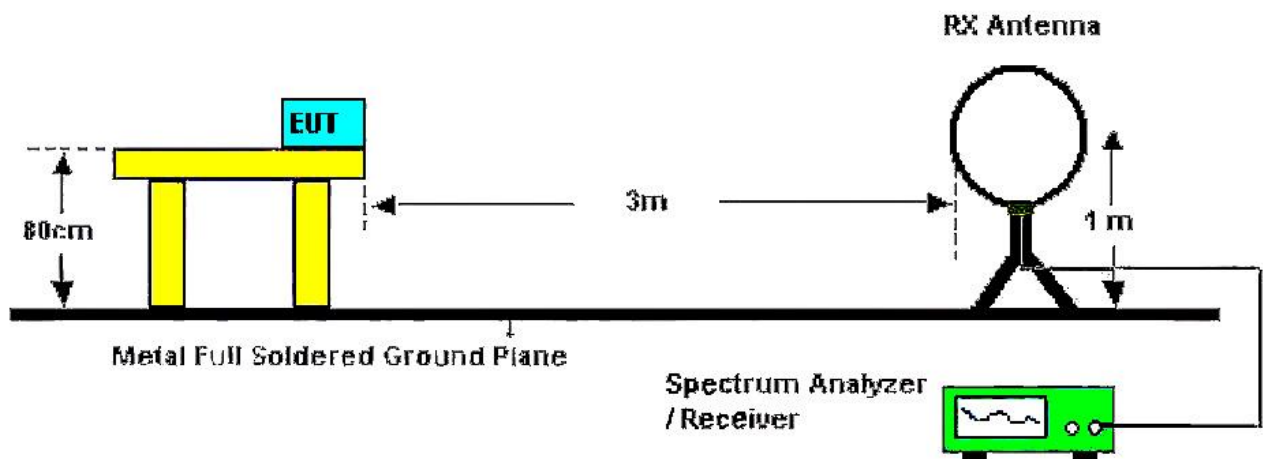
Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F (kHz)	300
0.490~1.705	24000/F (kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

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

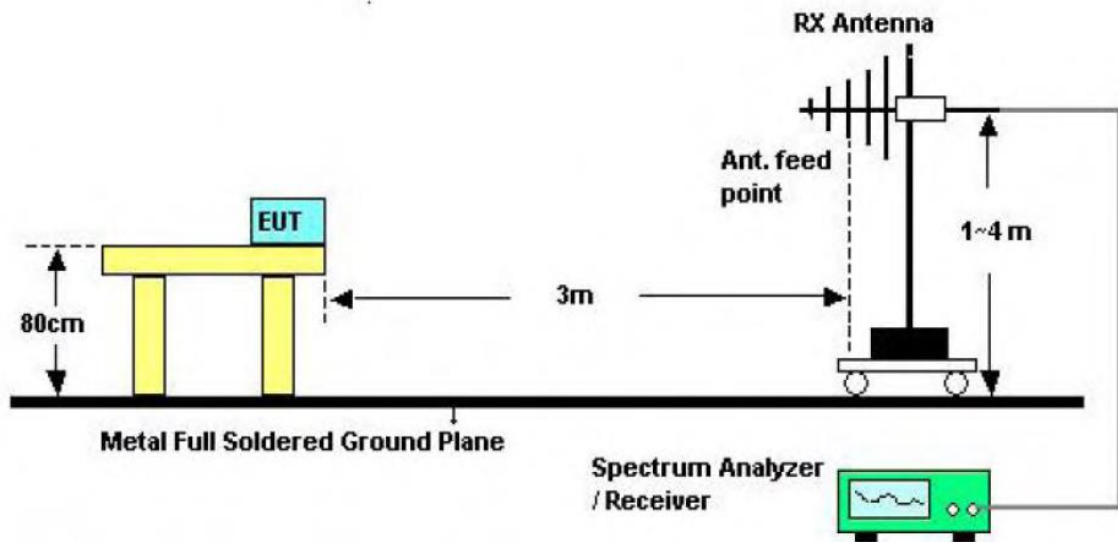
Note:

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

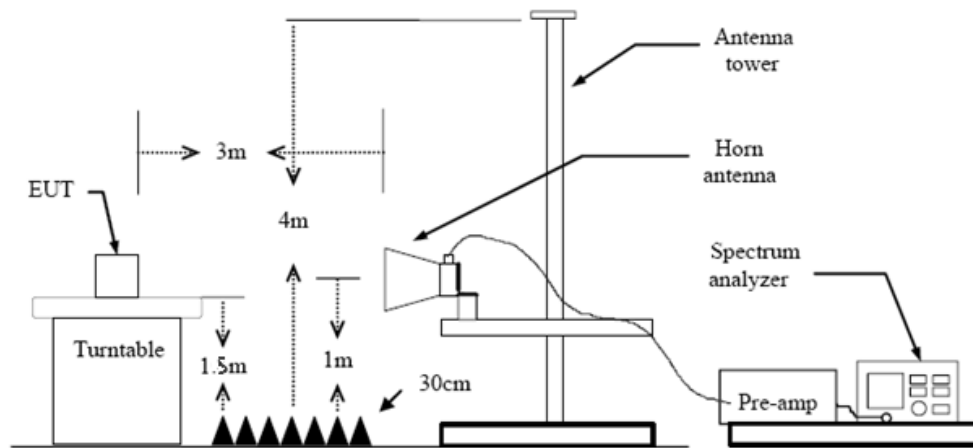
Test Configuration



Below 30MHz Test Setup



30-1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) 9k – 150kHz:
RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold
 - (3) 0.15M – 30MHz:
RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold
 - (4) 30M - 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold



If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

(5) From 1 GHz to 10th harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

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

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.10 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

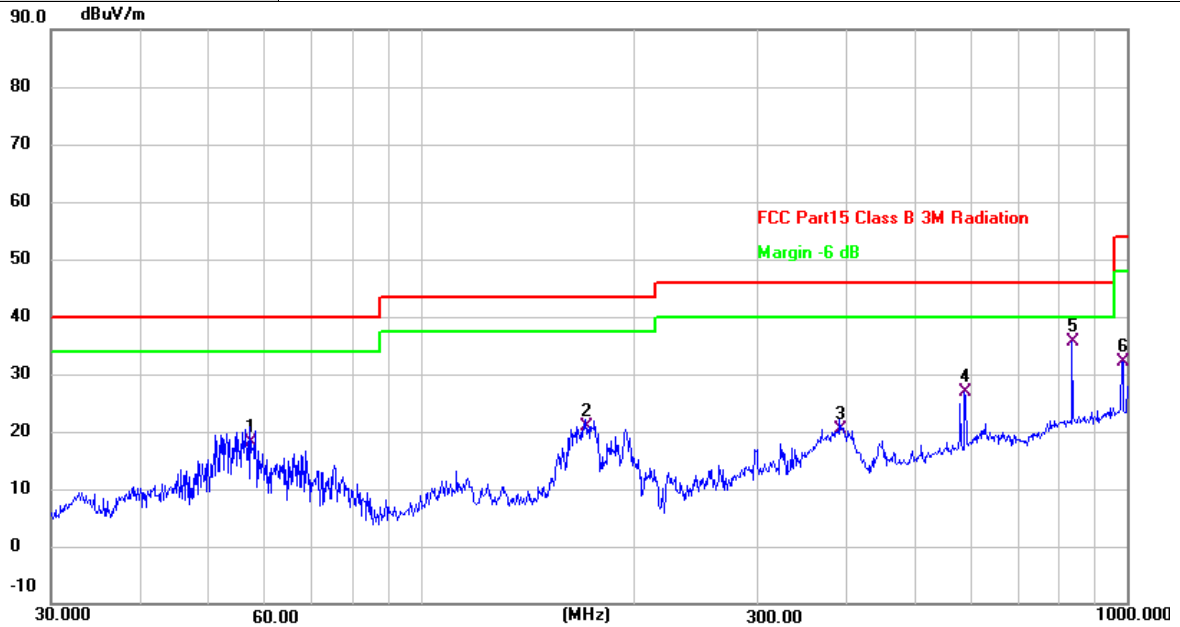
Test Result

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.

Ant. Pol.	Horizontal
Adapter Model	YS-SKY120100U00P
Test Mode:	TX GFSK Mode 2402MHz
Remark:	Only worse case is reported.



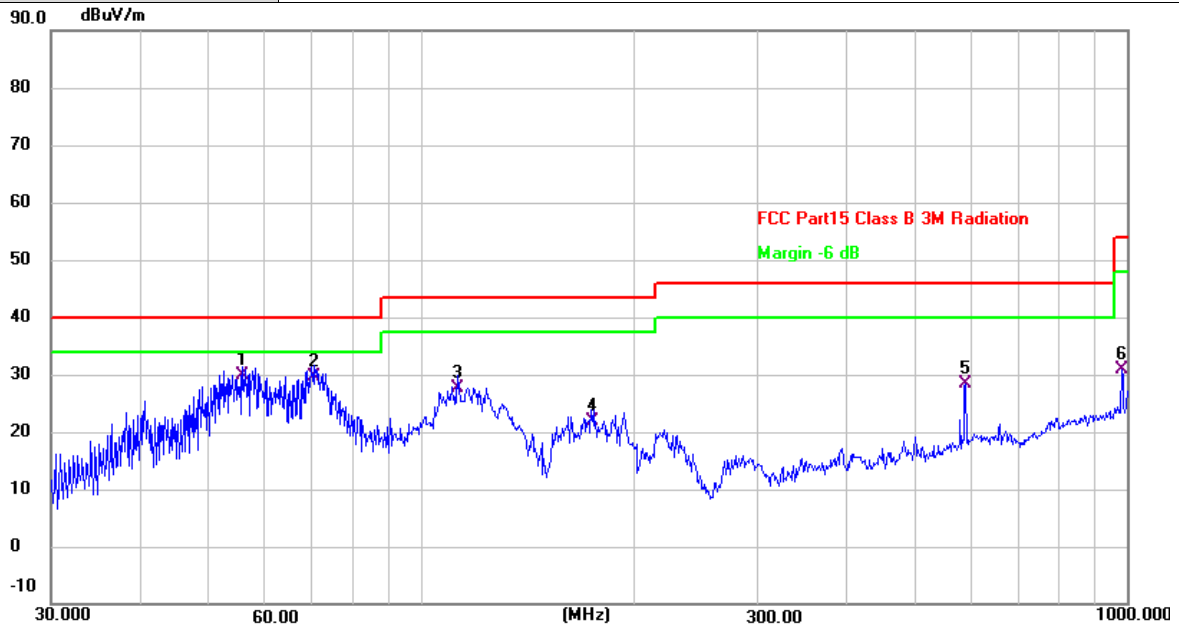
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	57.3923	36.82	-18.62	18.20	40.00	-21.80	QP
2	171.3926	40.37	-19.37	21.00	43.50	-22.50	QP
3	392.0951	35.53	-15.27	20.26	46.00	-25.74	QP
4	588.9051	36.59	-9.76	26.83	46.00	-19.17	QP
5 *	836.2443	41.06	-5.55	35.51	46.00	-10.49	QP
6	986.0717	35.42	-3.32	32.10	54.00	-21.90	QP

Remarks:

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



Ant. Pol.	Vertical
Adapter Model	YS-SKY120100U00P
Test Mode:	TX GFSK Mode 2402MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	56.0007	48.51	-18.51	30.00	40.00	-10.00	QP
2	70.8315	50.19	-20.54	29.65	40.00	-10.35	QP
3	112.9196	48.71	-21.13	27.58	43.50	-15.92	QP
4	174.4241	41.55	-19.57	21.98	43.50	-21.52	QP
5	590.9737	37.99	-9.69	28.30	46.00	-17.70	QP
6	982.6200	34.26	-3.38	30.88	54.00	-23.12	QP

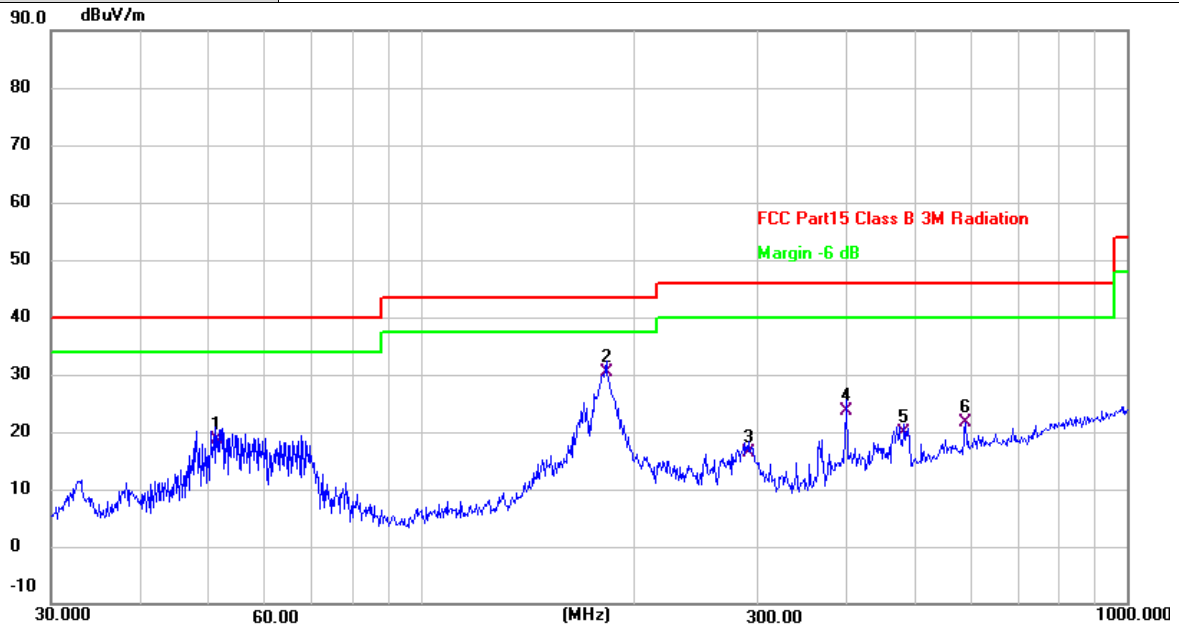
Remarks:

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

2. Margin value = Level - Limit value



Ant. Pol.	Horizontal
Adapter Model	RJ-SKY120100U60S
Test Mode:	TX GFSK Mode 2402MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	51.3005	36.78	-18.04	18.74	40.00	-21.26	QP
2 *	183.2005	50.46	-20.13	30.33	43.50	-13.17	QP
3	291.0358	34.20	-17.83	16.37	46.00	-29.63	QP
4	400.4318	38.72	-15.07	23.65	46.00	-22.35	QP
5	483.9094	32.51	-12.51	20.00	46.00	-26.00	QP
6	590.9737	31.32	-9.69	21.63	46.00	-24.37	QP

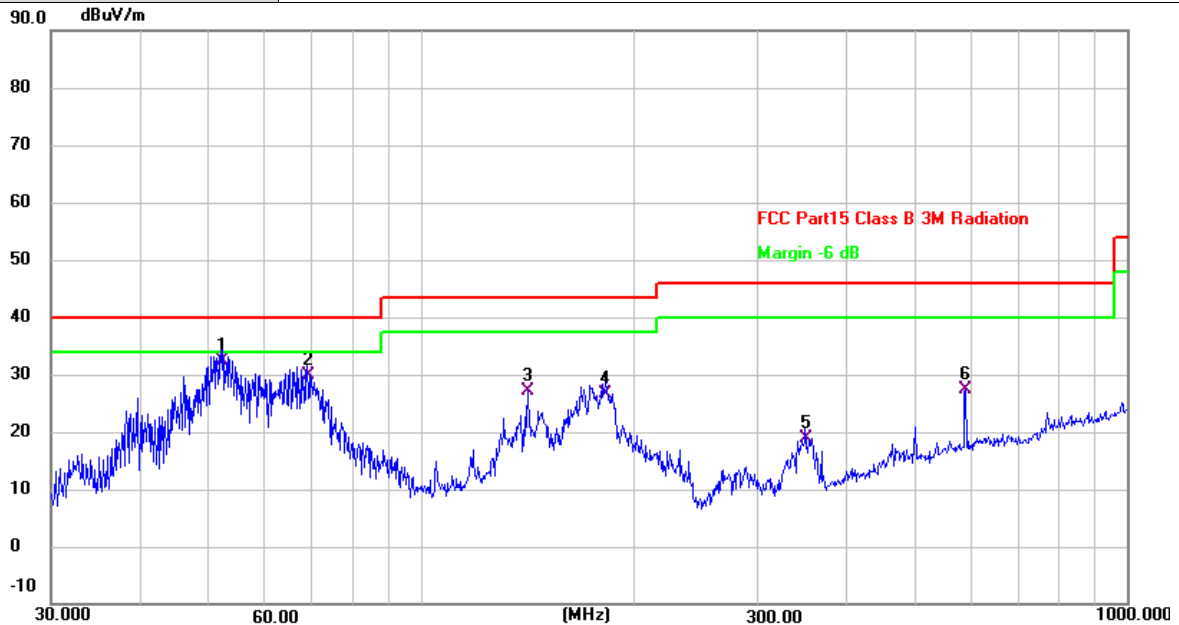
Remarks:

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

2. Margin value = Level - Limit value



Ant. Pol.	Vertical
Adapter Model	RJ-SKY120100U60S
Test Mode:	TX GFSK Mode 2402MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	52.2079	50.52	-18.13	32.39	40.00	-7.61	QP
2	69.1141	50.25	-20.25	30.00	40.00	-10.00	QP
3	141.8262	45.92	-18.86	27.06	43.50	-16.44	QP
4	182.5592	46.83	-20.09	26.74	43.50	-16.76	QP
5	350.4768	35.23	-16.23	19.00	46.00	-27.00	QP
6	590.9737	36.96	-9.69	27.27	46.00	-18.73	QP

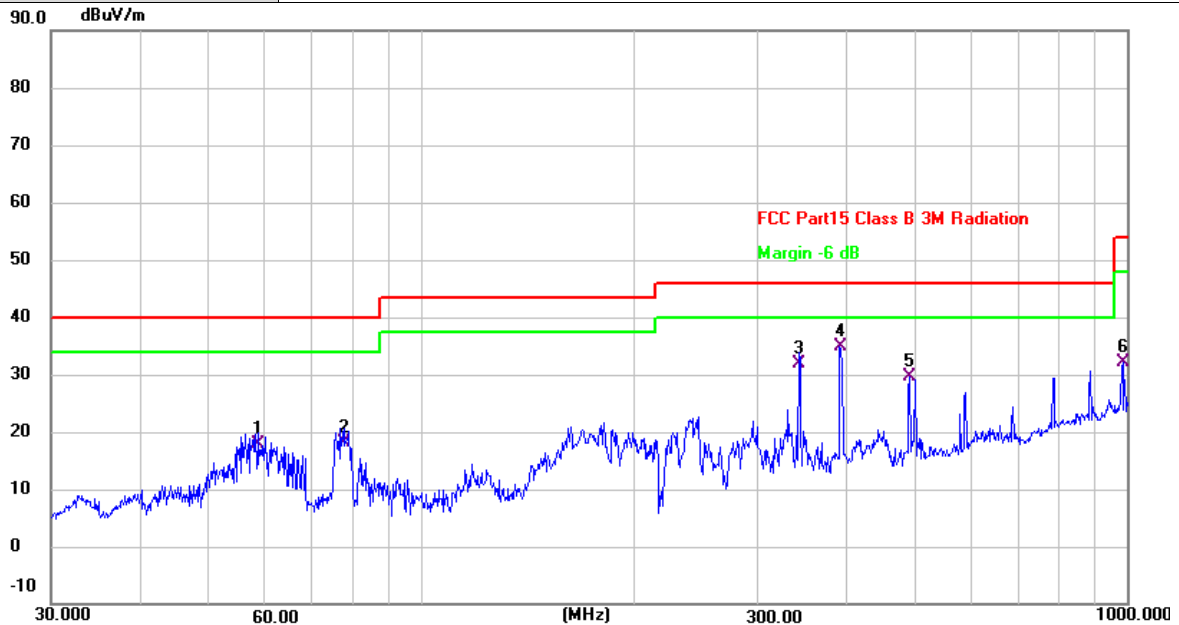
Remarks:

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

2. Margin value = Level - Limit value



Ant. Pol.	Horizontal
Adapter Model	BS12A-1201000US
Test Mode:	TX GFSK Mode 2402MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	58.8185	36.67	-18.72	17.95	40.00	-22.05	QP
2	77.8654	40.06	-21.82	18.24	40.00	-21.76	QP
3	343.1800	48.37	-16.42	31.95	46.00	-14.05	QP
4 *	392.0951	50.06	-15.27	34.79	46.00	-11.21	QP
5	492.4685	42.00	-12.33	29.67	46.00	-16.33	QP
6	986.0717	35.34	-3.32	32.02	54.00	-21.98	QP

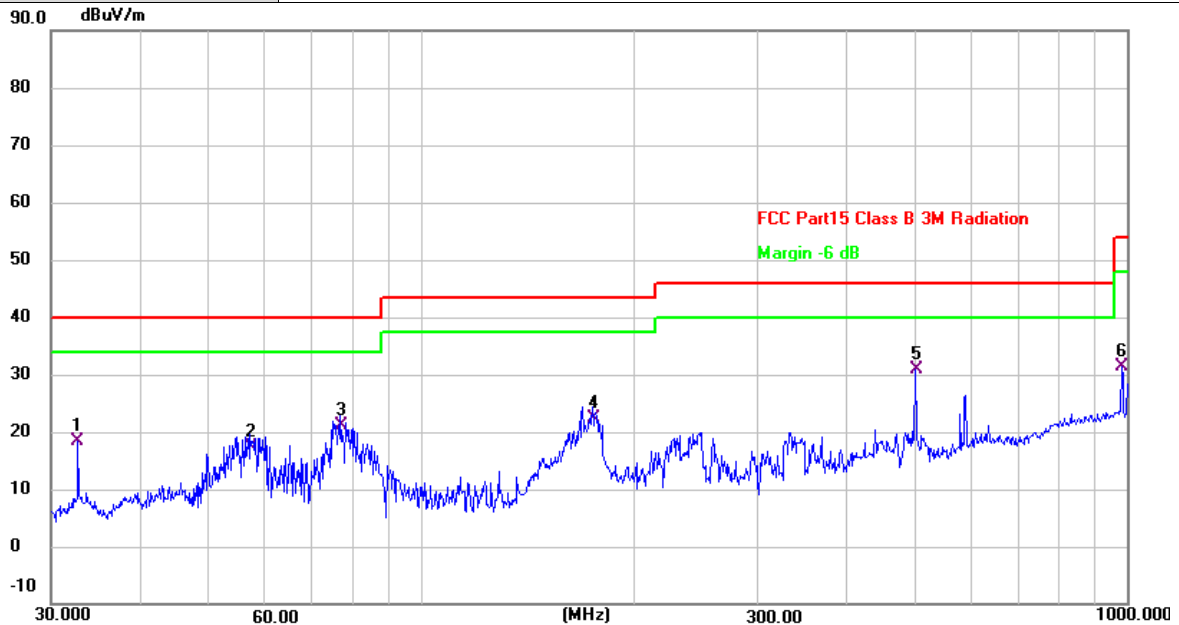
Remarks:

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

2. Margin value = Level - Limit value



Ant. Pol.	Vertical
Adapter Model	BS12A-1201000US
Test Mode:	TX GFSK Mode 2402MHz
Remark:	Only worse case is reported.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	32.7486	37.23	-18.92	18.31	40.00	-21.69	QP
2	57.3923	35.98	-18.62	17.36	40.00	-22.64	QP
3	77.0505	42.69	-21.67	21.02	40.00	-18.98	QP
4	175.0367	41.94	-19.61	22.33	43.50	-21.17	QP
5 *	501.1790	43.10	-12.14	30.96	46.00	-15.04	QP
6	982.6200	34.86	-3.38	31.48	54.00	-22.52	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. Pol.	Horizontal
Test Mode:	TX GFSK Mode 2402MHz
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	4803.676	41.90	2.00	43.90	74.00	-30.10	peak
2 *	4803.713	27.51	2.00	29.51	54.00	-24.49	AVG

Remarks:

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

2.Margin value = Level -Limit value

Ant. Pol.	Vertical
Test Mode:	TX GFSK Mode 2402MHz
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	4803.635	41.33	2.00	43.33	74.00	-30.67	peak
2 *	4804.025	27.48	2.00	29.48	54.00	-24.52	AVG

Remarks:

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

2.Margin value = Level -Limit value



Ant. Pol.	Horizontal						
Test Mode:	TX GFSK Mode 2441MHz						
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 *	4881.991	26.75	2.09	28.84	54.00	-25.16	AVG
2	4882.271	40.39	2.09	42.48	74.00	-31.52	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX GFSK Mode 2441MHz						
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	4881.083	41.42	2.09	43.51	74.00	-30.49	peak
2 *	4881.157	26.43	2.09	28.52	54.00	-25.48	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX GFSK Mode 2480MHz						
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	4959.809	40.59	2.21	42.80	74.00	-31.20	peak
2 *	4960.965	26.54	2.21	28.75	54.00	-25.25	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX GFSK Mode 2480MHz						
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 *	4959.997	26.38	2.21	28.59	54.00	-25.41	AVG
2	4960.284	40.59	2.21	42.80	74.00	-31.20	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX $\pi/4$ -DQPSK Mode 2402MHz						
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 *	4803.263	27.03	1.99	29.02	54.00	-24.98	AVG
2	4804.355	41.32	2.00	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. Pol.	Vertical						
Test Mode:	TX $\pi/4$ -DQPSK Mode 2402MHz						
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 *	4803.350	27.13	2.00	29.13	54.00	-24.87	AVG
2	4803.822	41.79	2.00	43.79	74.00	-30.21	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX $\pi/4$ -DQPSK Mode 2441MHz						
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	4882.768	40.31	2.09	42.40	74.00	-31.60	peak
2 *	4882.775	26.48	2.09	28.57	54.00	-25.43	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX $\pi/4$ -DQPSK Mode 2441MHz						
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	4881.245	40.69	2.09	42.78	74.00	-31.22	peak
2 *	4882.093	26.60	2.09	28.69	54.00	-25.31	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX $\pi/4$ -DQPSK Mode 2480MHz						
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	4959.559	40.83	2.21	43.04	74.00	-30.96	peak
2 *	4960.308	26.63	2.21	28.84	54.00	-25.16	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX $\pi/4$ -DQPSK Mode 2480MHz						
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 *	4960.230	26.57	2.21	28.78	54.00	-25.22	AVG
2	4960.242	40.84	2.21	43.05	74.00	-30.95	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 8-DPSK Mode 2402MHz						
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 *	4803.065	27.29	1.99	29.28	54.00	-24.72	AVG
2	4803.753	40.82	2.00	42.82	74.00	-31.18	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 8-DPSK Mode 2402MHz						
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 *	4803.139	27.18	1.99	29.17	54.00	-24.83	AVG
2	4803.618	41.58	2.00	43.58	74.00	-30.42	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 8-DPSK Mode 2441MHz						
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	4881.187	40.77	2.09	42.86	74.00	-31.14	peak
2 *	4882.824	26.51	2.09	28.60	54.00	-25.40	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 8-DPSK Mode 2441MHz						
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	4881.300	41.14	2.09	43.23	74.00	-30.77	peak
2 *	4882.876	26.54	2.09	28.63	54.00	-25.37	AVG
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							



Ant. Pol.	Horizontal						
Test Mode:	TX 8-DPSK Mode 2480MHz						
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 *	4959.739	26.49	2.21	28.70	54.00	-25.30	AVG
2	4960.397	41.31	2.21	43.52	74.00	-30.48	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

Ant. Pol.	Vertical						
Test Mode:	TX 8-DPSK Mode 2480MHz						
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 *	4960.136	26.30	2.21	28.51	54.00	-25.49	AVG
2	4960.940	40.12	2.21	42.33	74.00	-31.67	peak
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value							

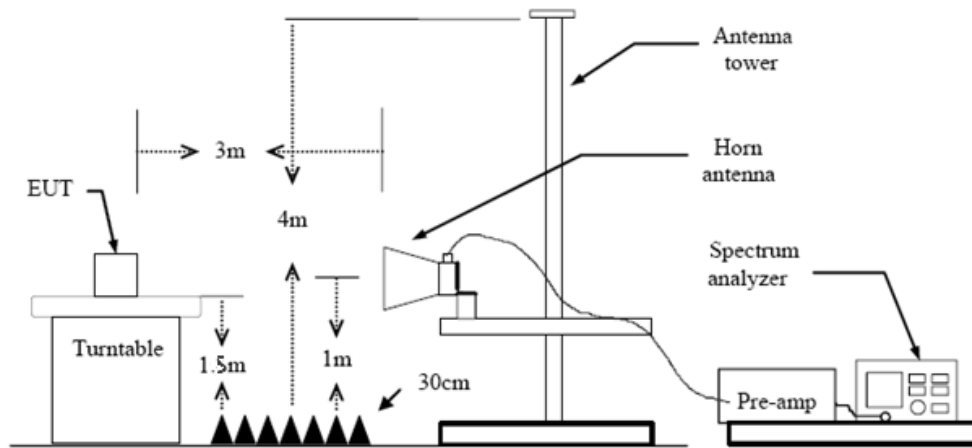
3.3. Band Edge Emissions (Radiated)

Limit

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

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

Test Configuration



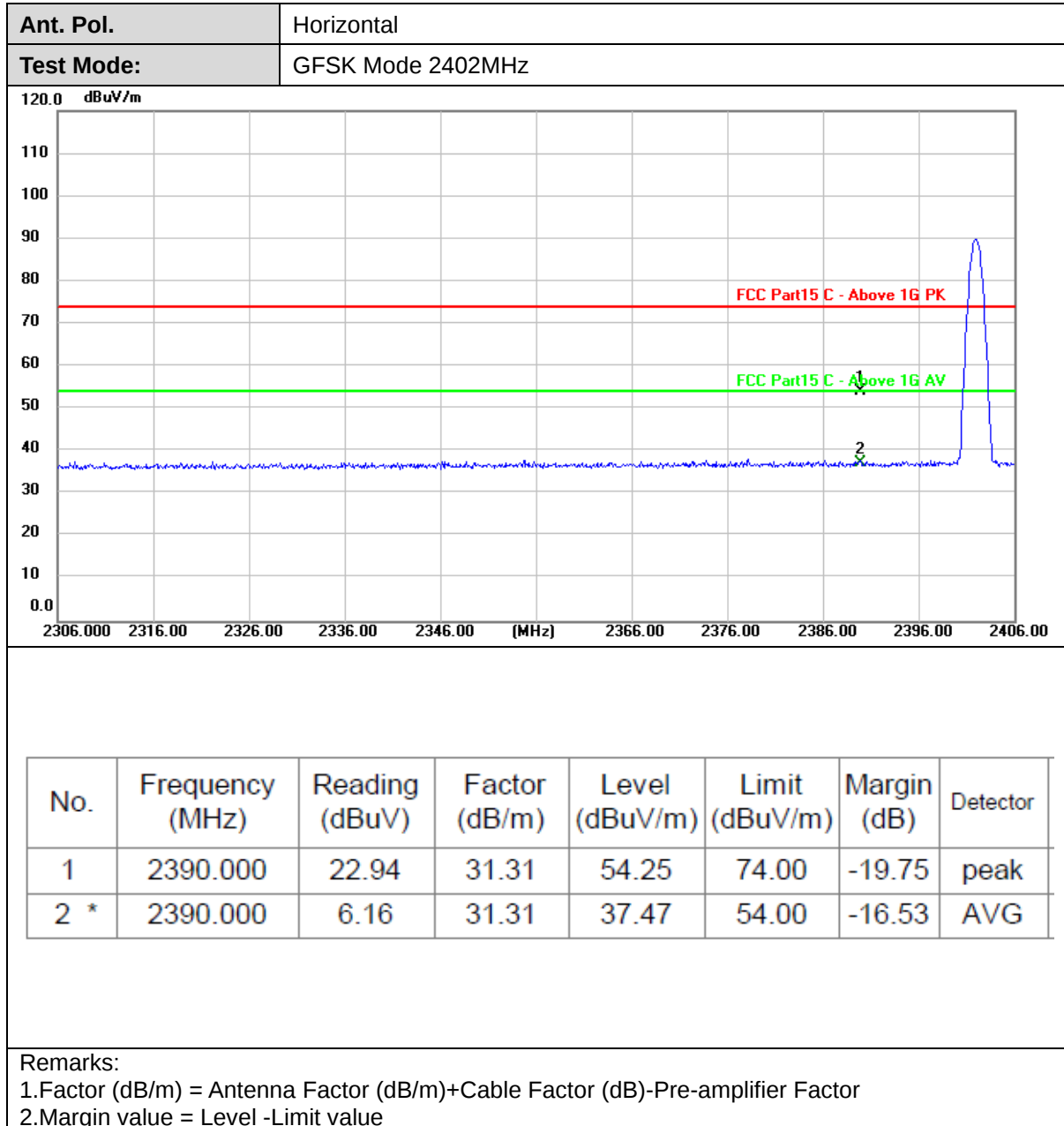
Test Procedure

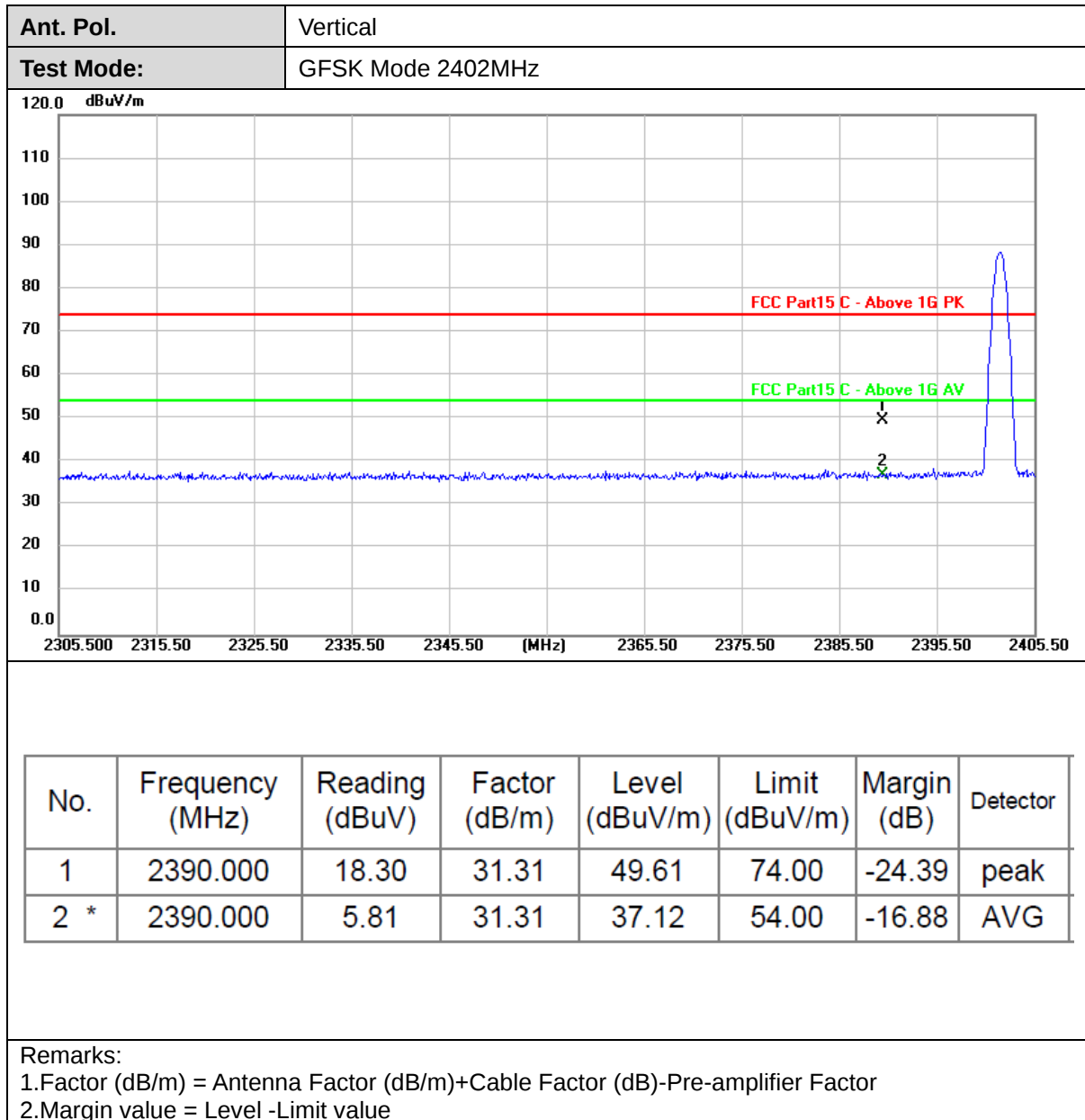
1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna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

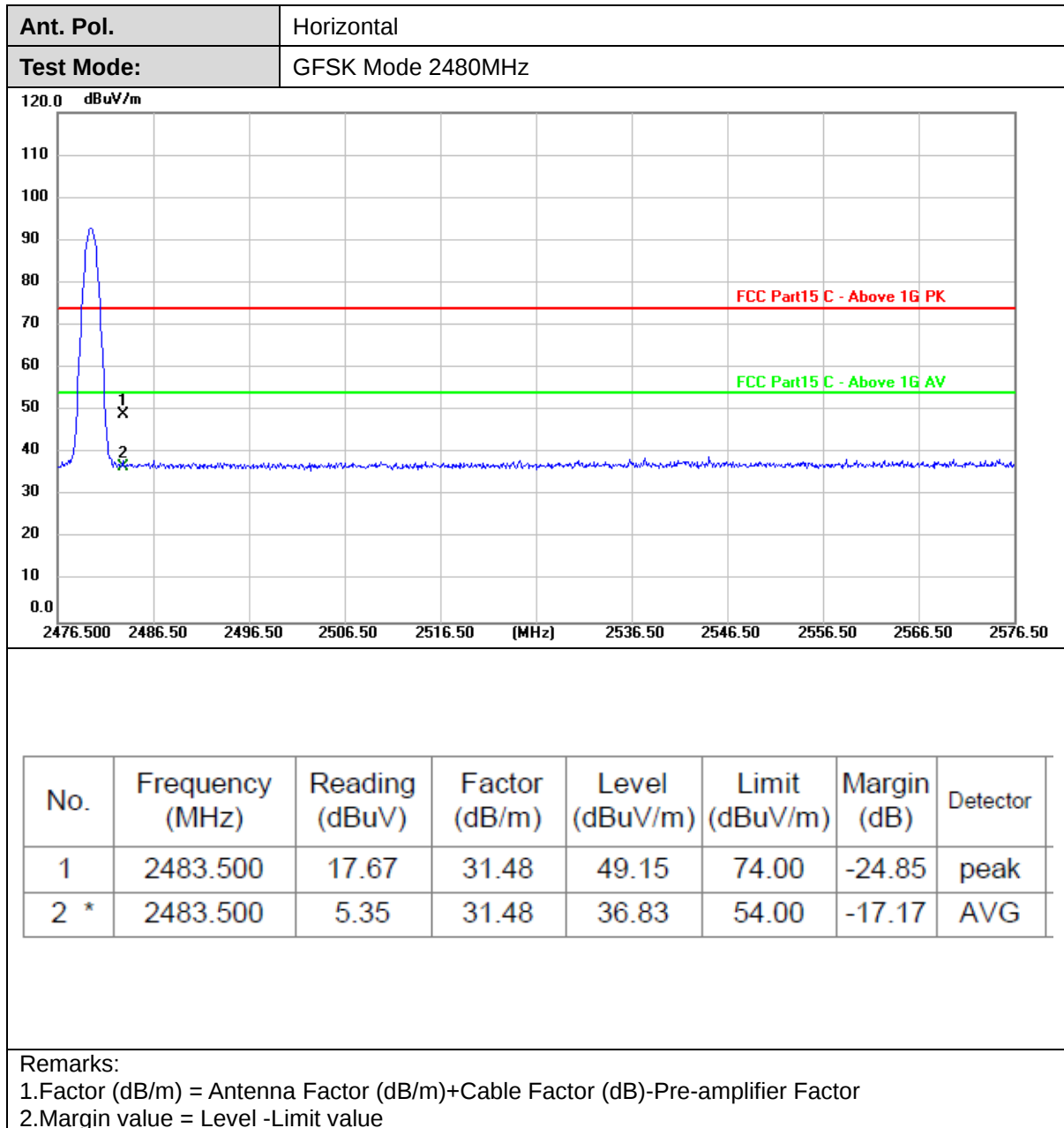
Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.10 Duty Cycle.

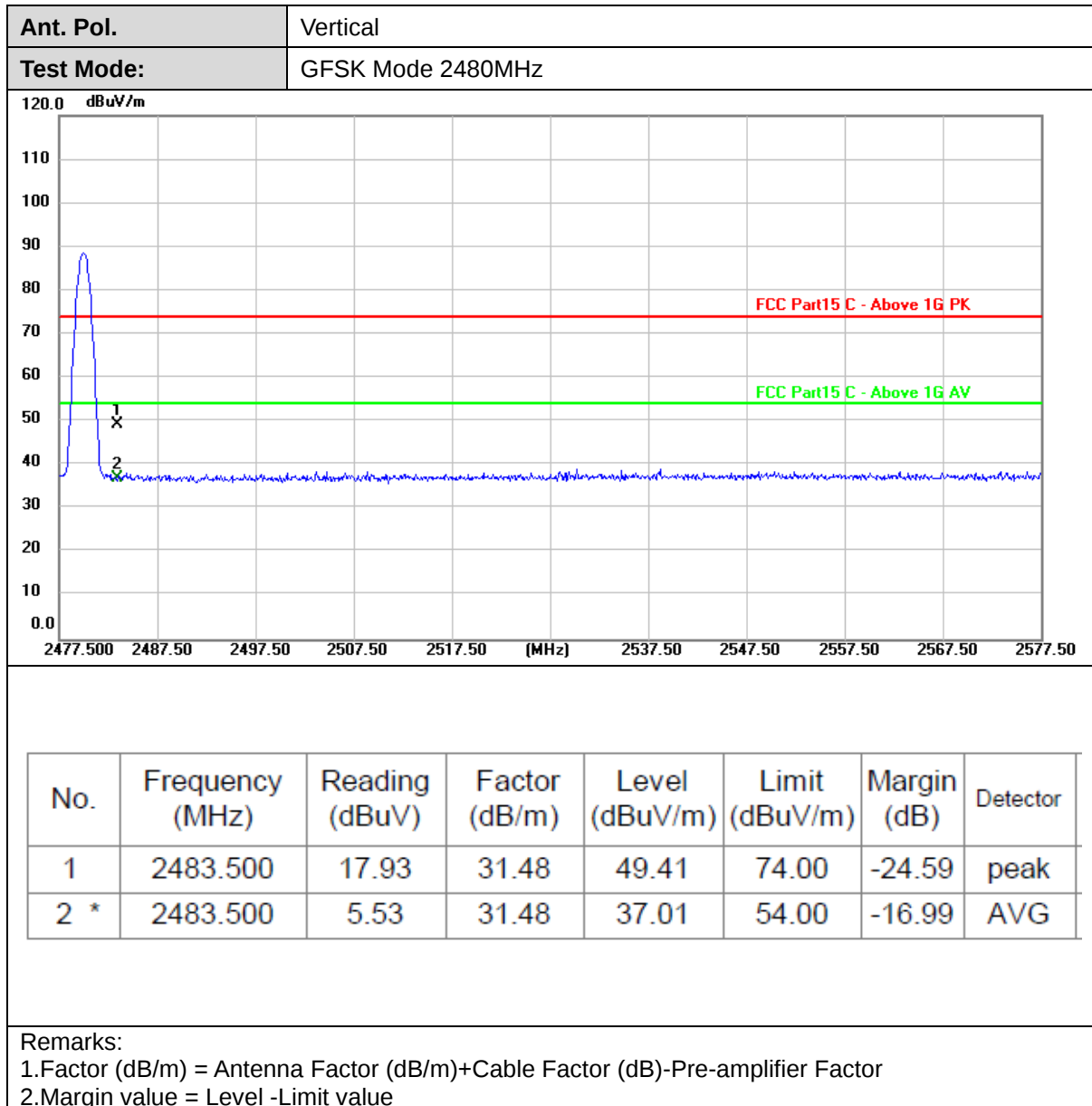
Test Mode

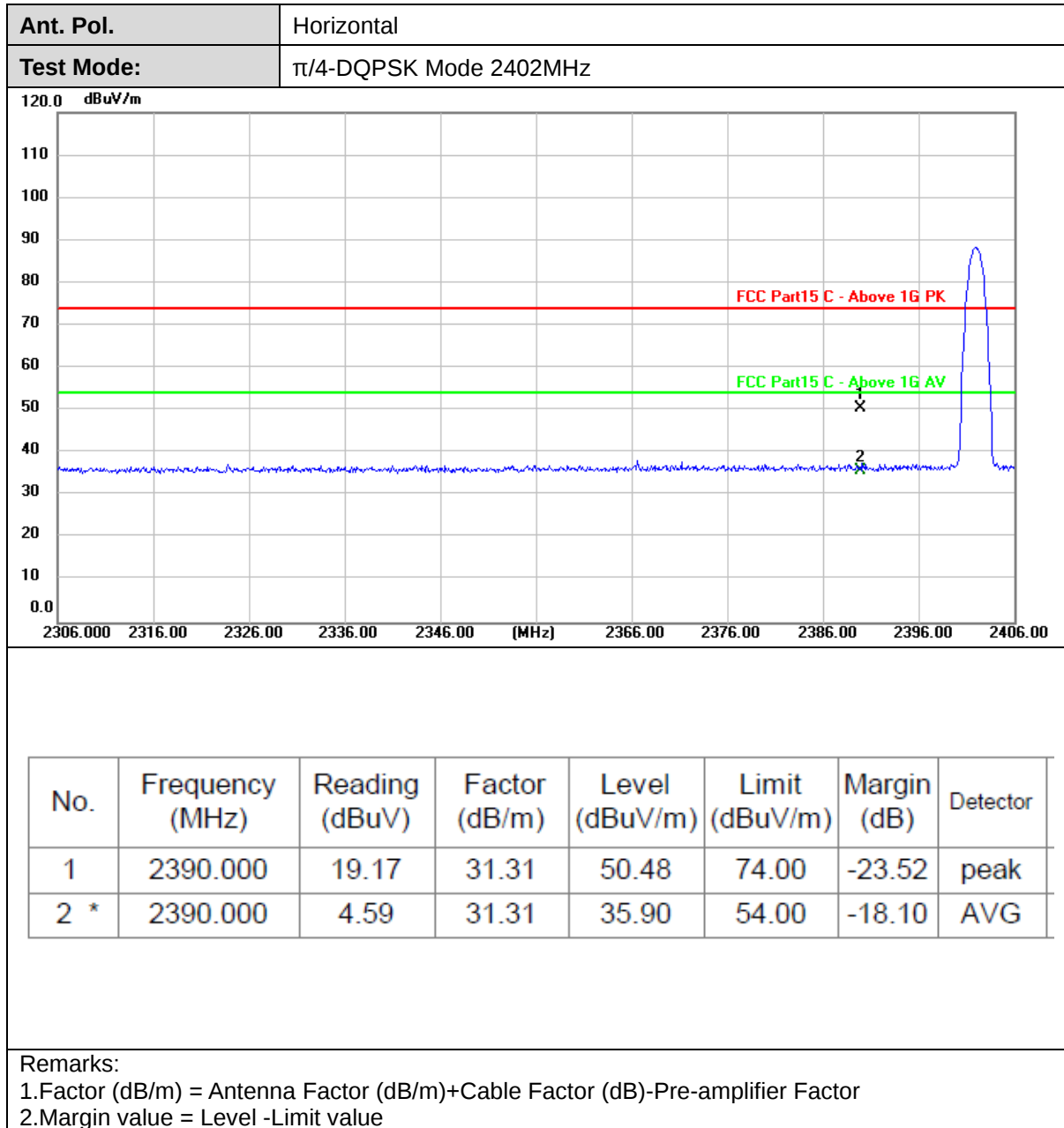
Please refer to the clause 2.4.

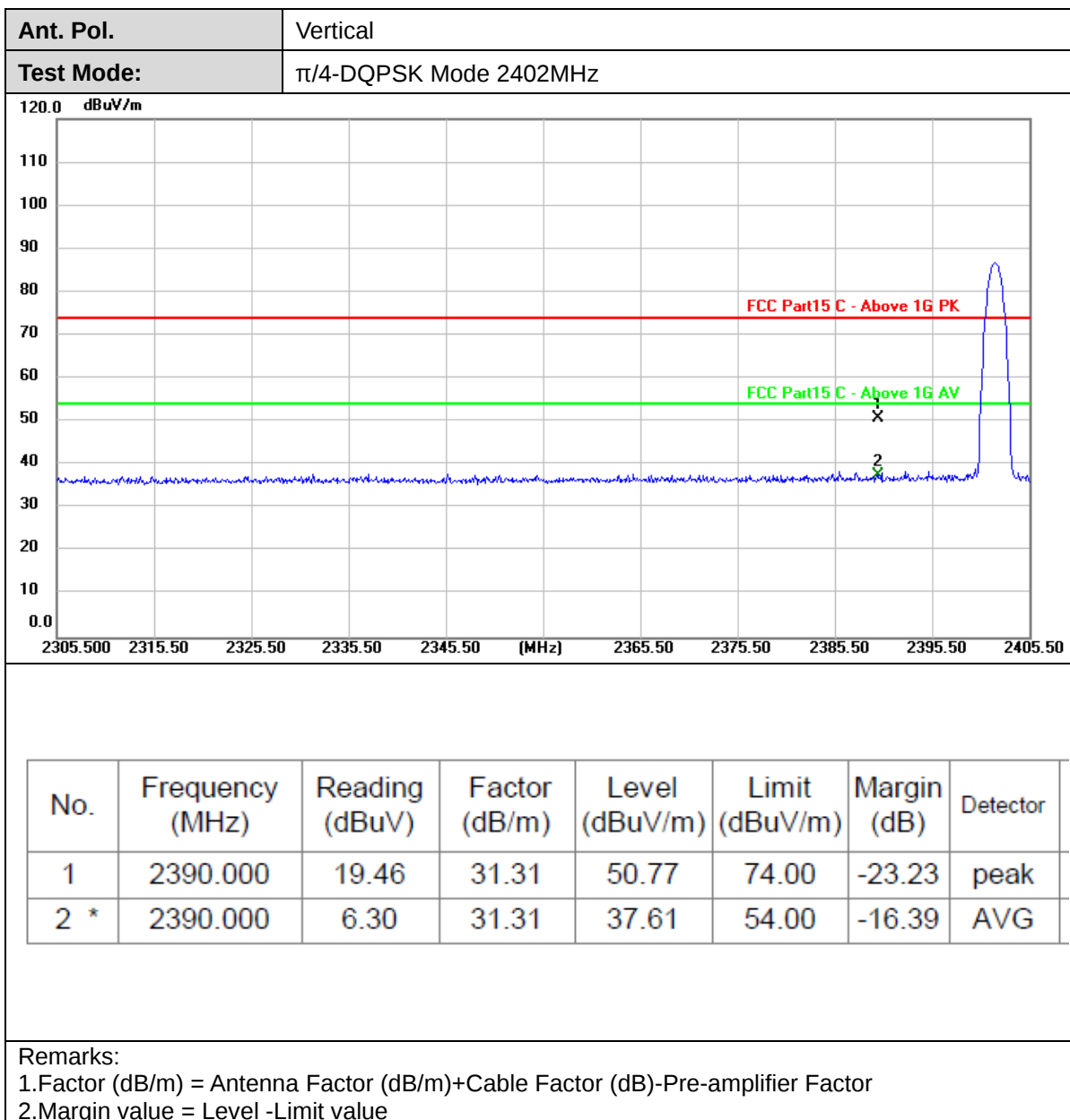
**Test Result**

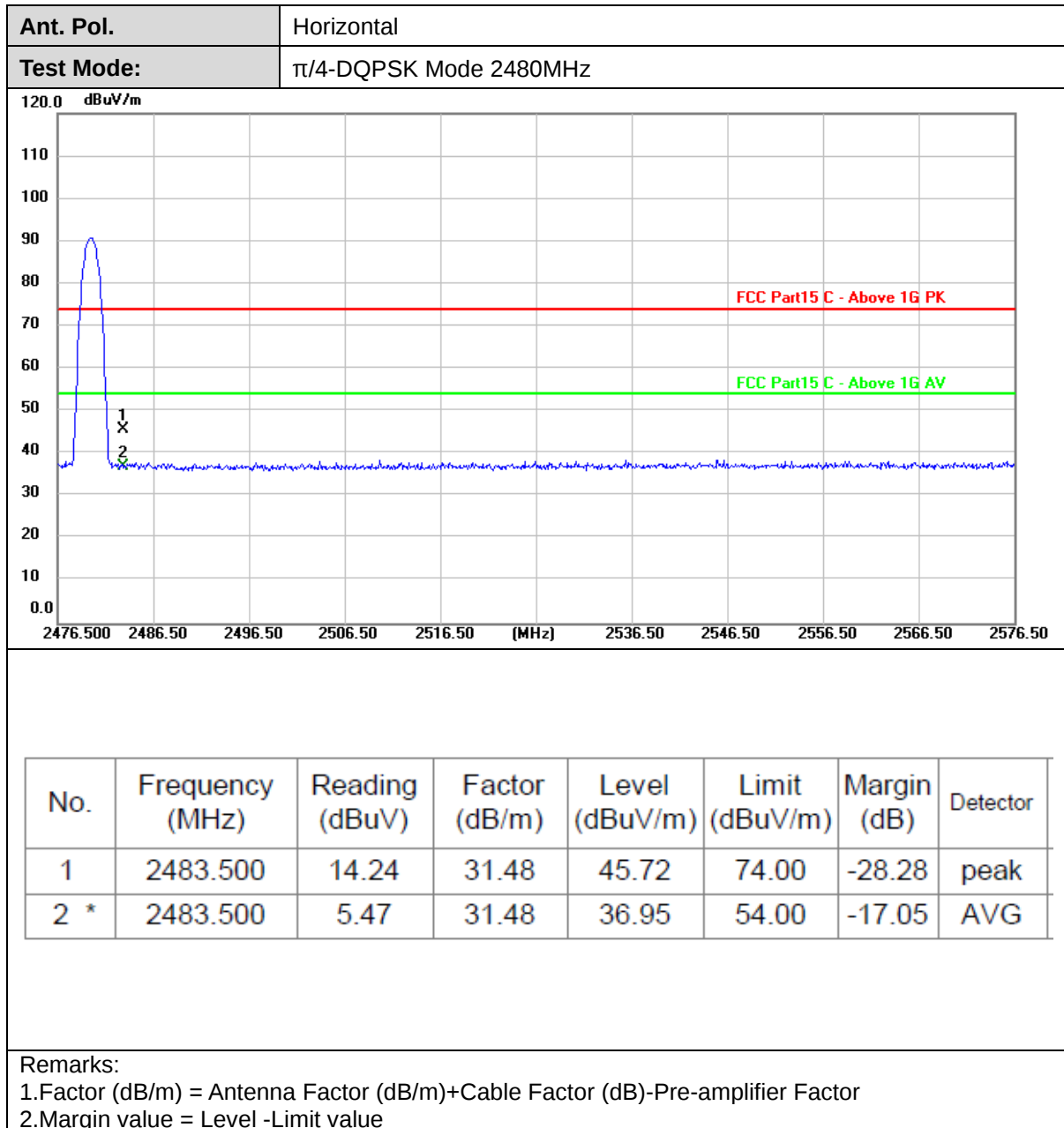


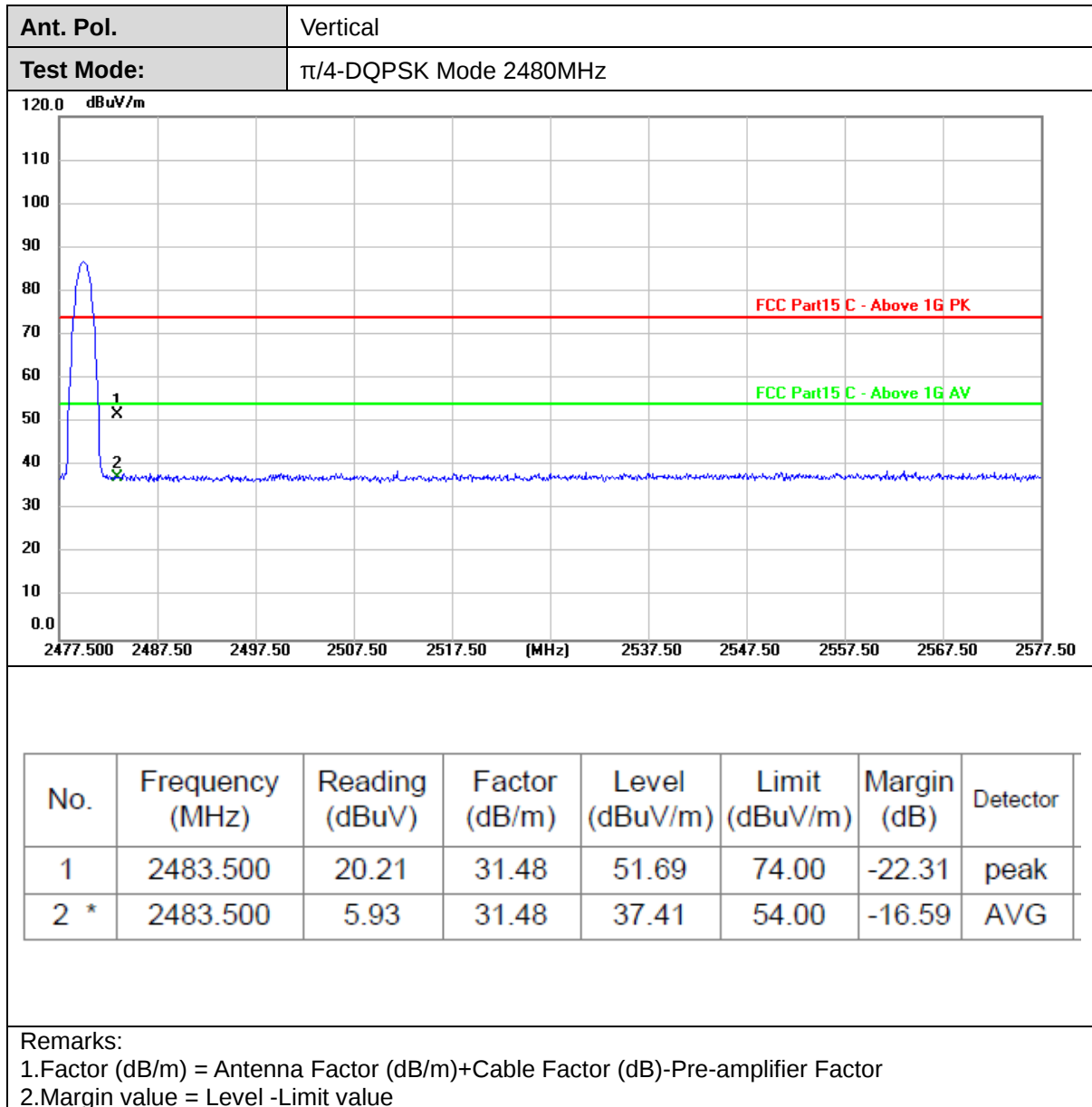


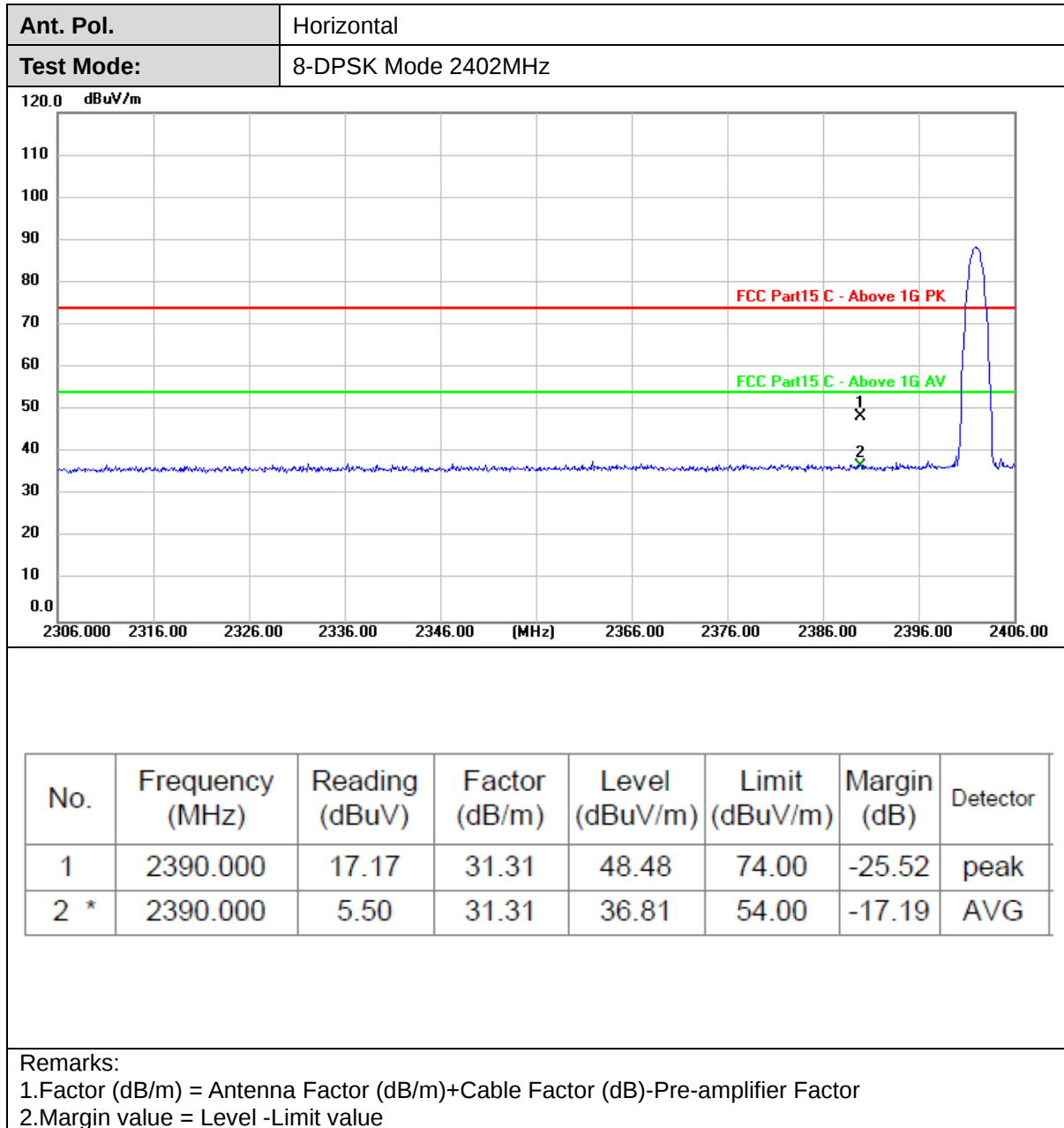


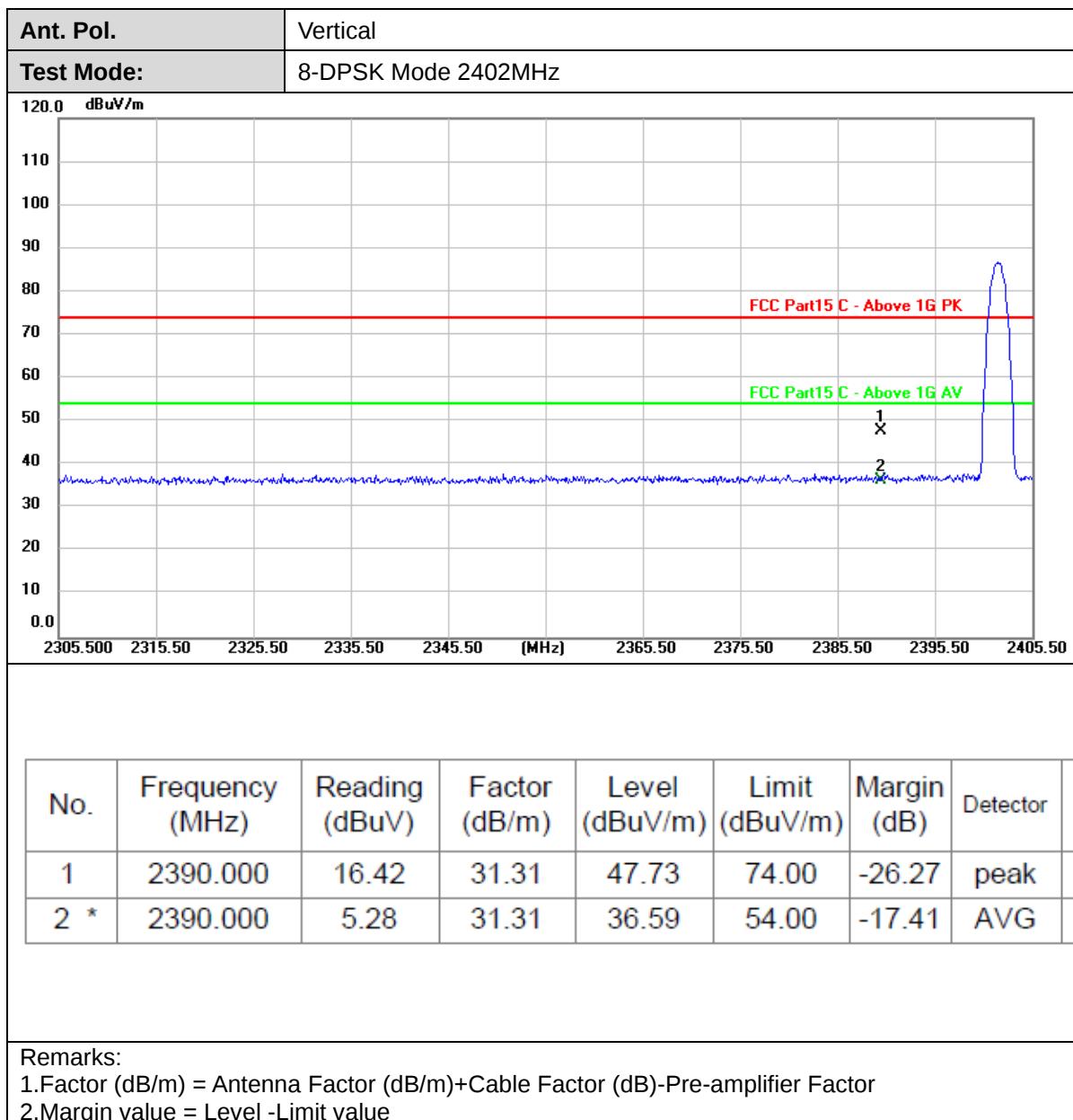


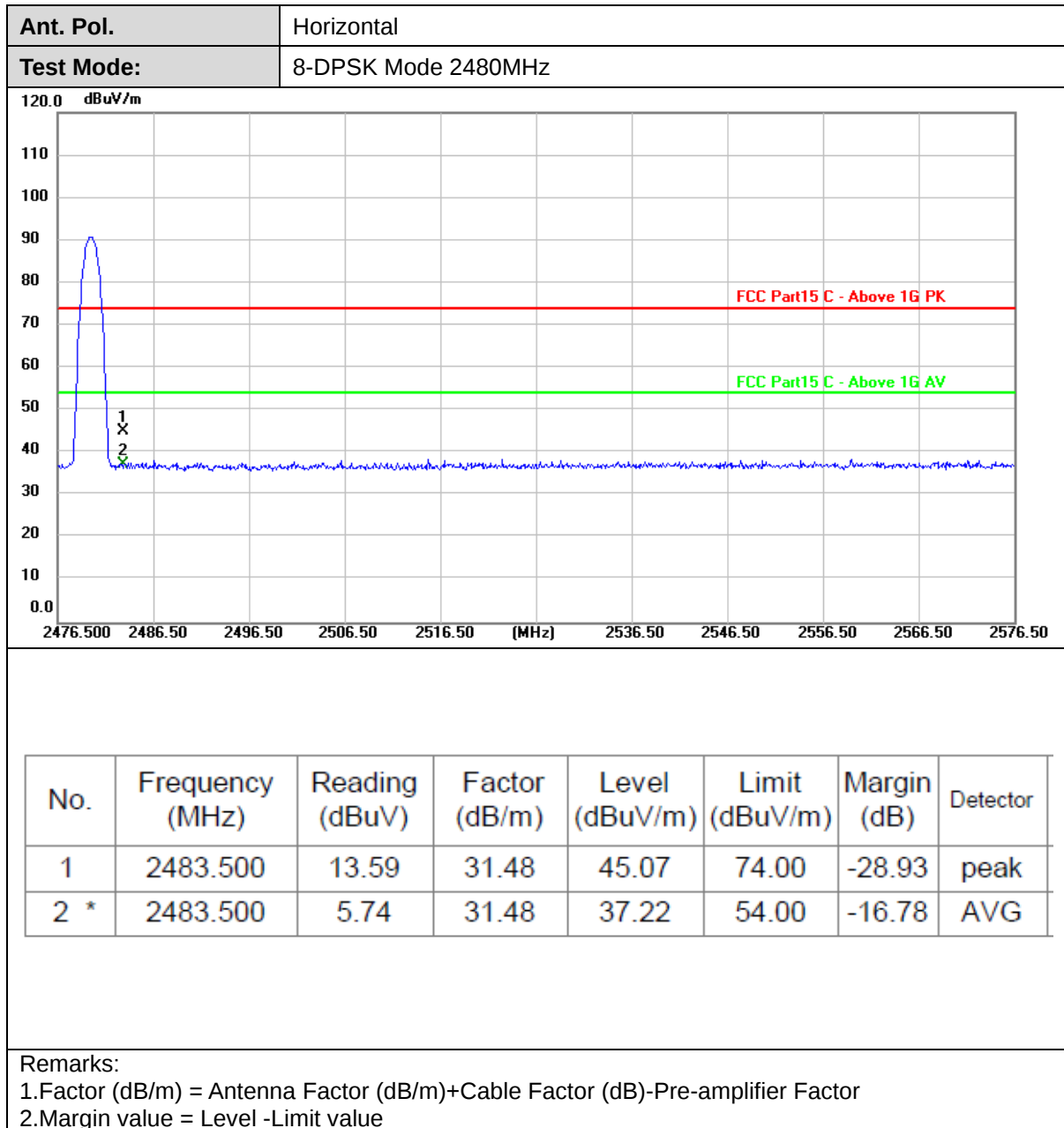


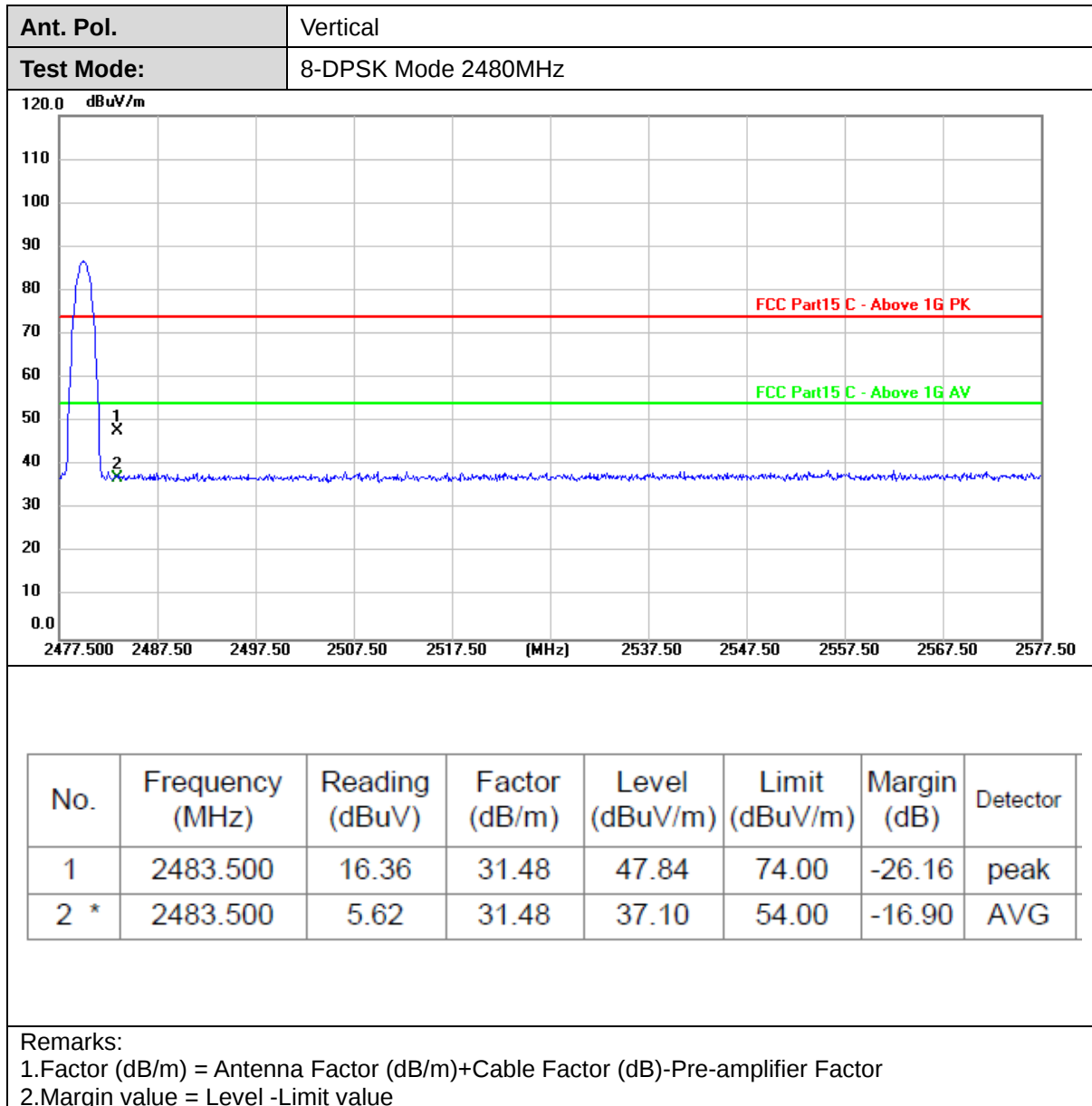














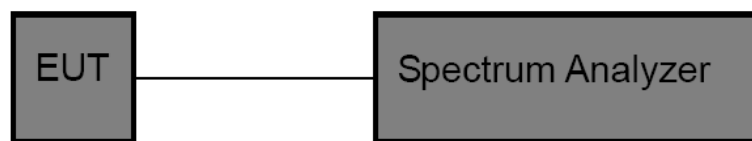
3.4. Band Edge and Spurious Emissions (Conducted)

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**

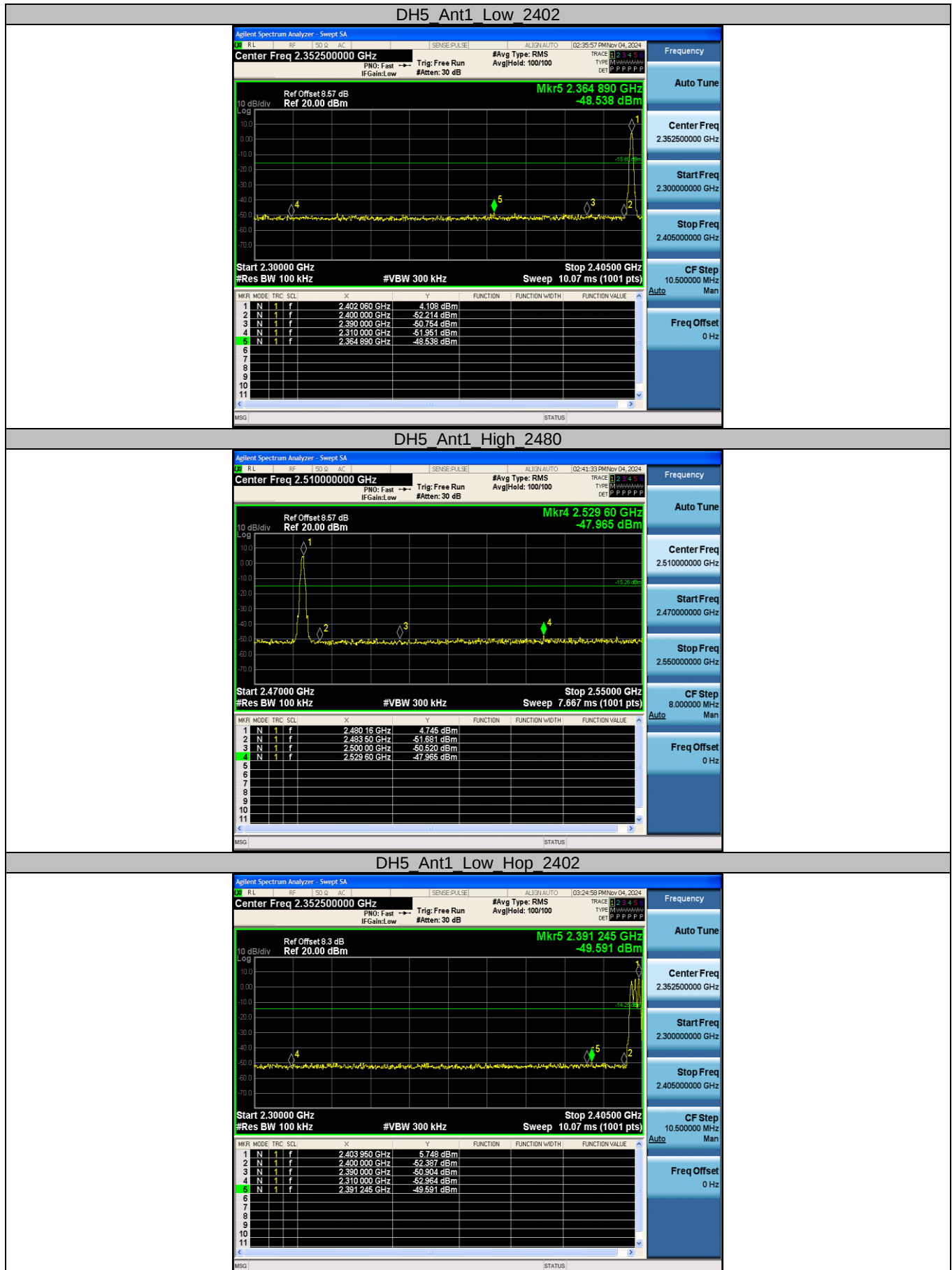
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.11	-48.54	≤-15.89	PASS
		High	2480	4.75	-47.97	≤-15.26	PASS
		Low	Hop_2402	5.75	-49.59	≤-14.25	PASS
		High	Hop_2480	6.26	-47.86	≤-13.74	PASS
2DH5	Ant1	Low	2402	2.52	-48.99	≤-17.48	PASS
		High	2480	3.11	-48.31	≤-16.89	PASS
		Low	Hop_2402	2.92	-48.81	≤-17.08	PASS
		High	Hop_2480	6.55	-48.03	≤-13.45	PASS
3DH5	Ant1	Low	2402	3.20	-48.4	≤-16.8	PASS
		High	2480	2.96	-48.05	≤-17.04	PASS
		Low	Hop_2402	6.33	-48.81	≤-13.67	PASS
		High	Hop_2480	3.65	-48.89	≤-16.35	PASS

Conducted Spurious Emissions Test

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-55.1	≤-16.52	PASS
			1000~26500	3.48	-41.64	≤-16.52	PASS
		2441	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-54.7	≤-16.48	PASS
			1000~26500	3.52	-41.73	≤-16.48	PASS
		2480	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-55.11	≤-15.99	PASS
			1000~26500	4.01	-41.57	≤-15.99	PASS
2DH5	Ant1	2402	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-54.89	≤-17.61	PASS
			1000~26500	2.39	-41.69	≤-17.61	PASS
		2441	Reference	2.25	2.25	---	PASS
			30~1000	2.25	-54.88	≤-17.75	PASS
			1000~26500	2.25	-41.58	≤-17.75	PASS
		2480	Reference	3.11	3.11	---	PASS
			30~1000	3.11	-54.55	≤-16.89	PASS
			1000~26500	3.11	-41.42	≤-16.89	PASS
3DH5	Ant1	2402	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-54.98	≤-17.57	PASS
			1000~26500	2.43	-40.85	≤-17.57	PASS
		2441	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-55	≤-17.78	PASS
			1000~26500	2.22	-40.96	≤-17.78	PASS
		2480	Reference	2.89	2.89	---	PASS
			30~1000	2.89	-54.9	≤-17.11	PASS
			1000~26500	2.89	-41.55	≤-17.11	PASS



Band Edge Conducted Test plot as follows:



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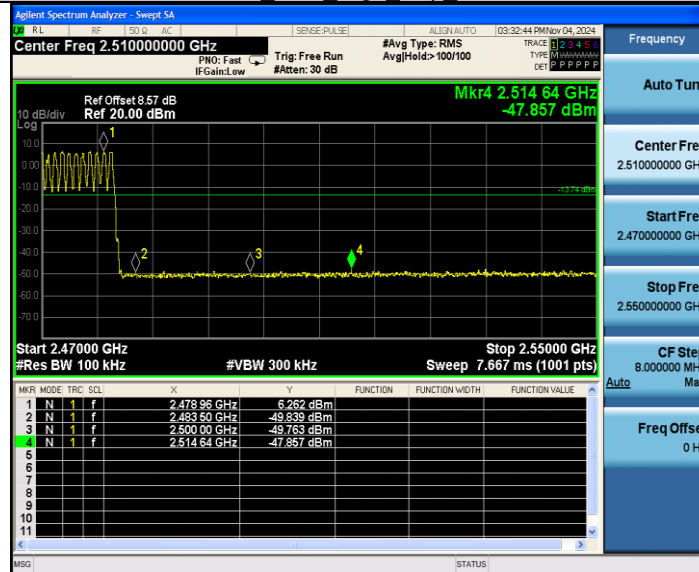
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-059_A1

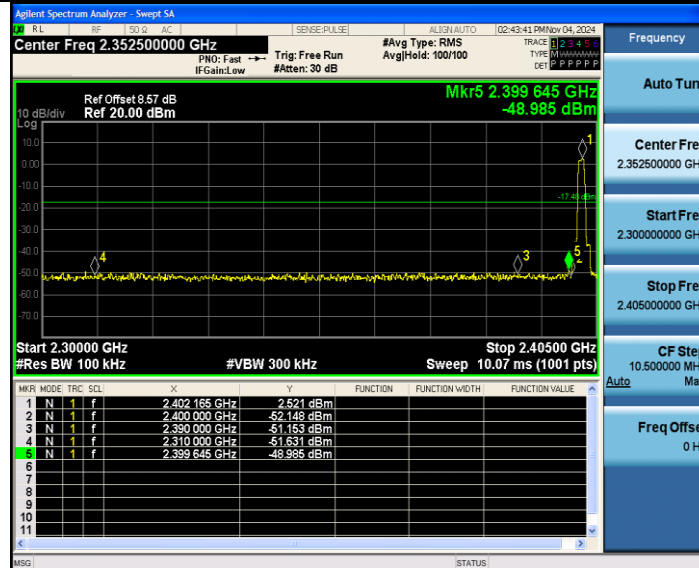
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



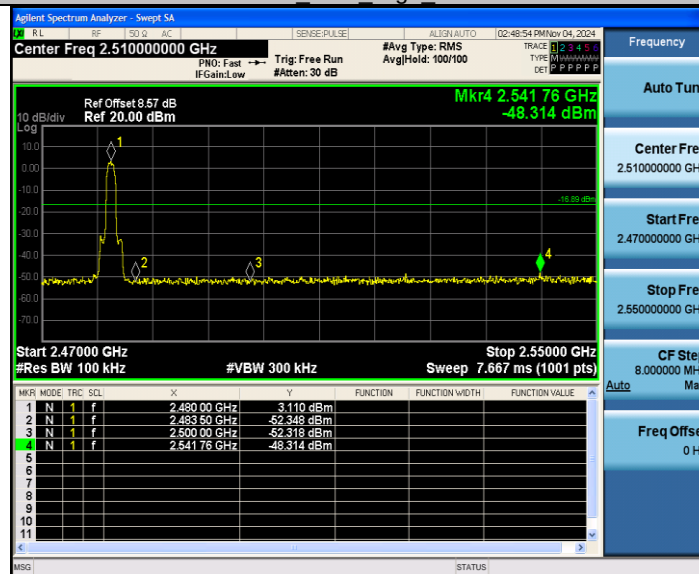
DH5 Ant1 High Hop 2480



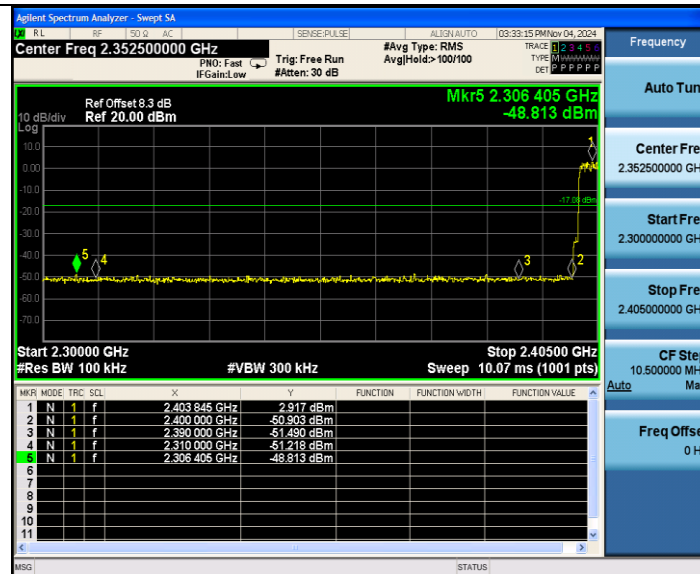
2DH5 Ant1 Low 2402



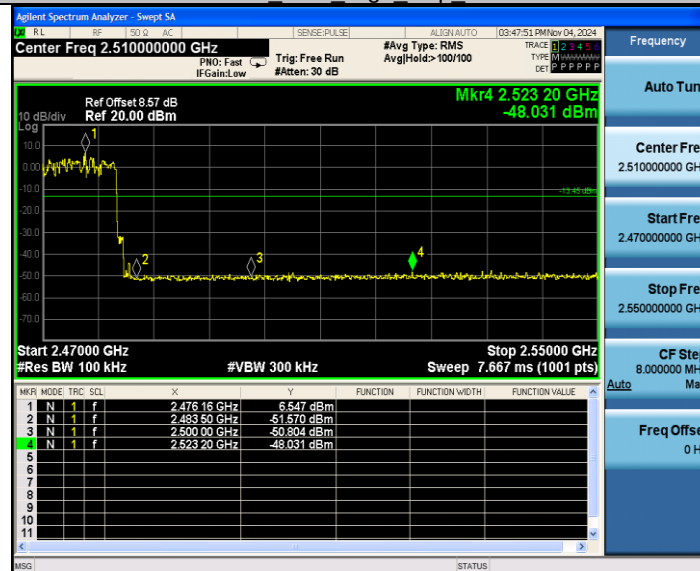
2DH5 Ant1 High 2480



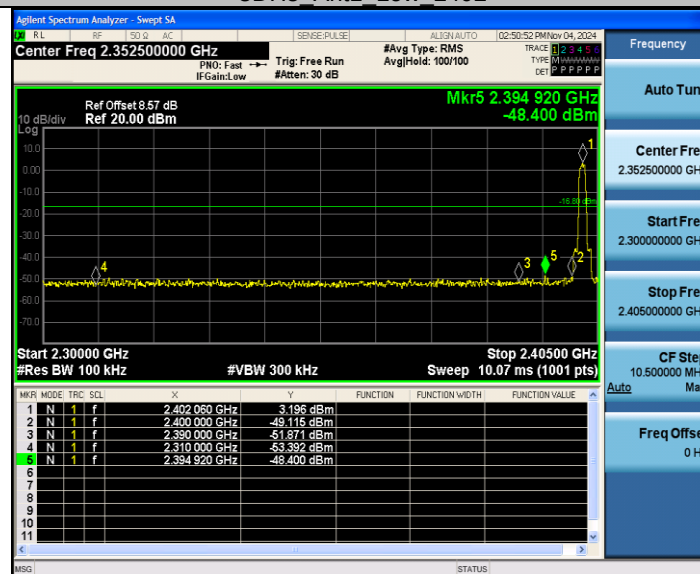
2DH5 Ant1 Low Hop 2402



2DH5 Ant1 High Hop 2480



3DH5 Ant1 Low 2402



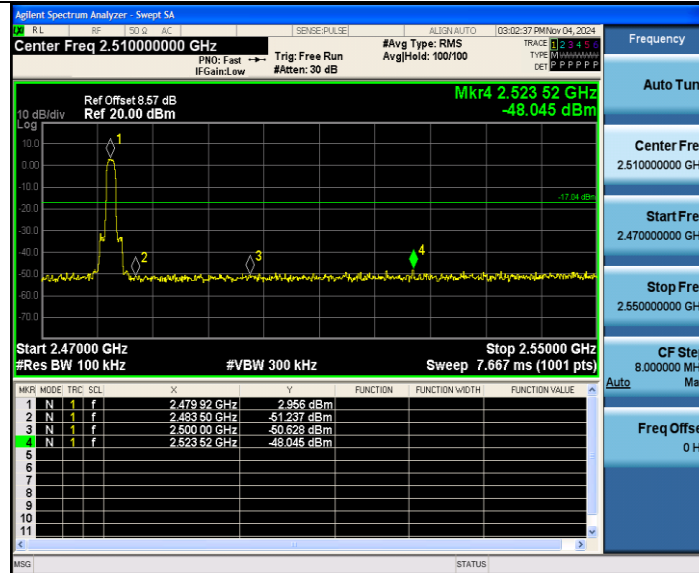
3DH5 Ant1 High 2480

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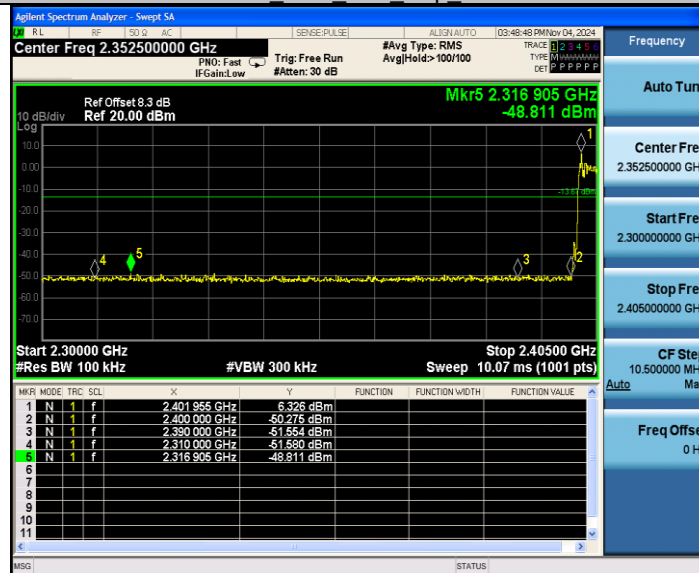
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
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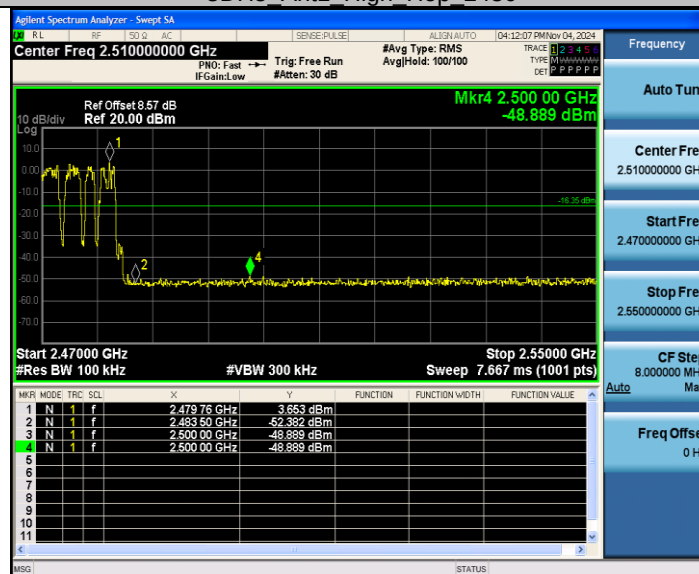
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3DH5 Ant1 Low Hop 2402



3DH5 Ant1 High Hop 2480



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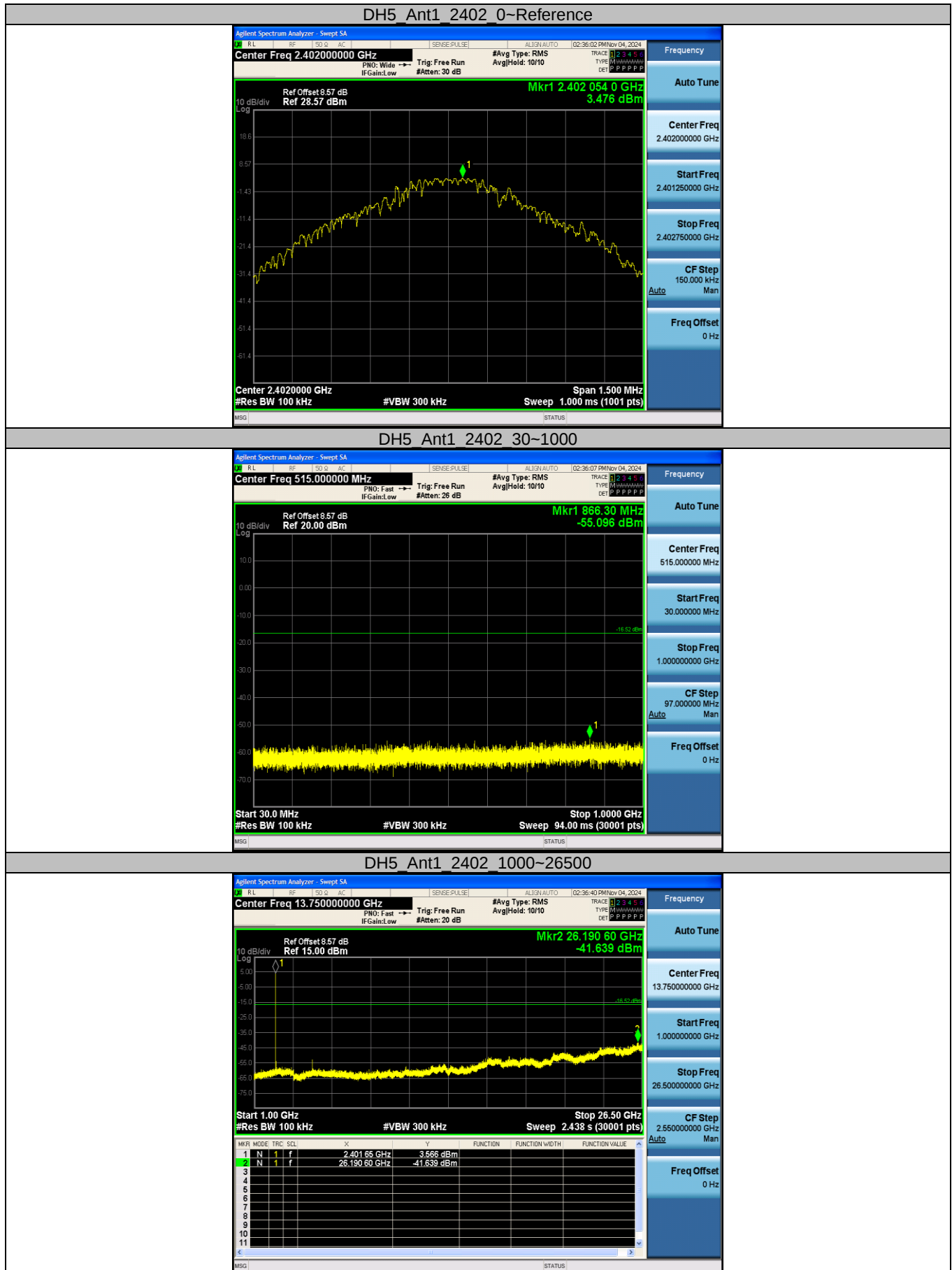
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
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Conducted Spurious Emissions Test plot as follows



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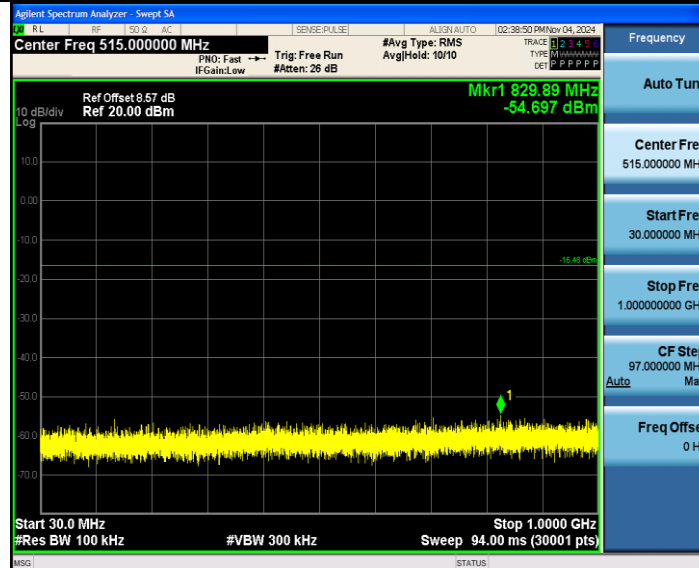
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



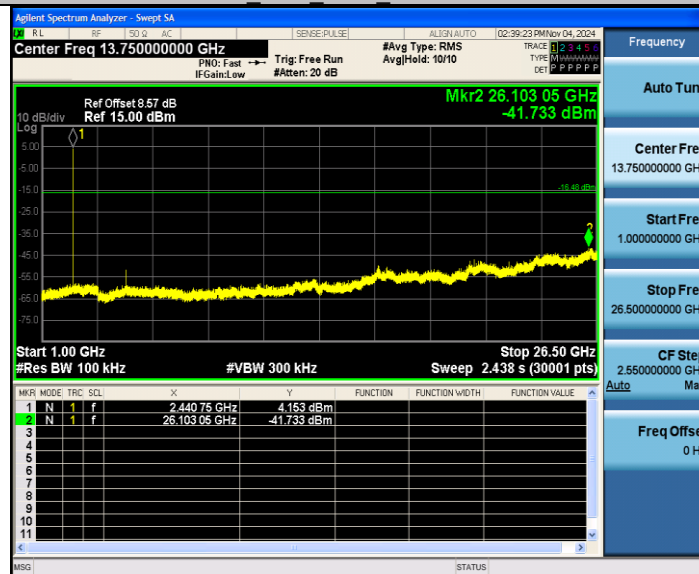
DH5 Ant1 2441 0~Reference



DH5 Ant1 2441 30~1000



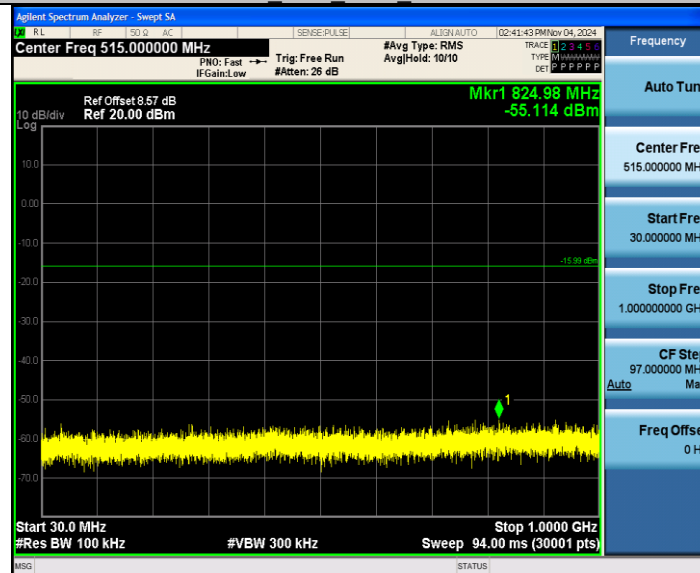
DH5 Ant1 2441 1000~26500



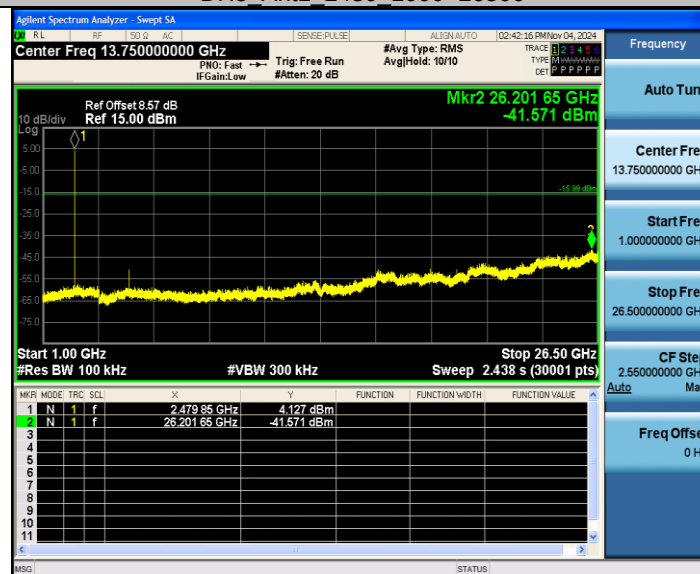
DH5 Ant1 2480 0~Reference



DH5 Ant1 2480 30~1000



DH5 Ant1 2480 1000~26500



2DH5 Ant1 2402 0~Reference

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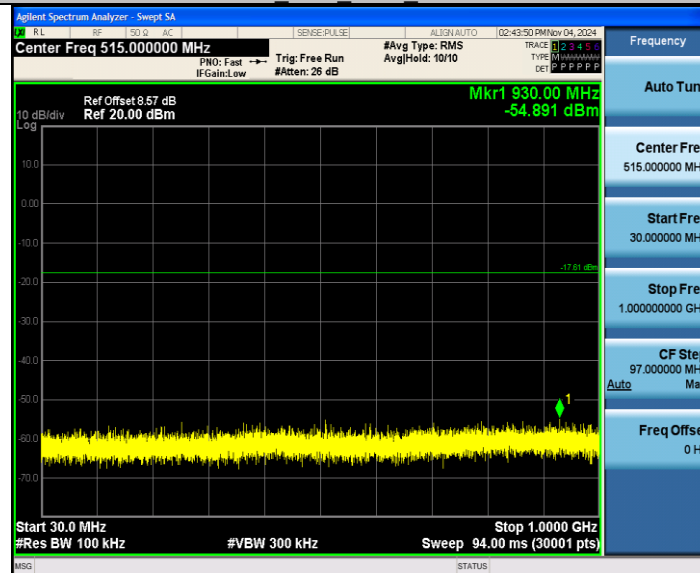
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
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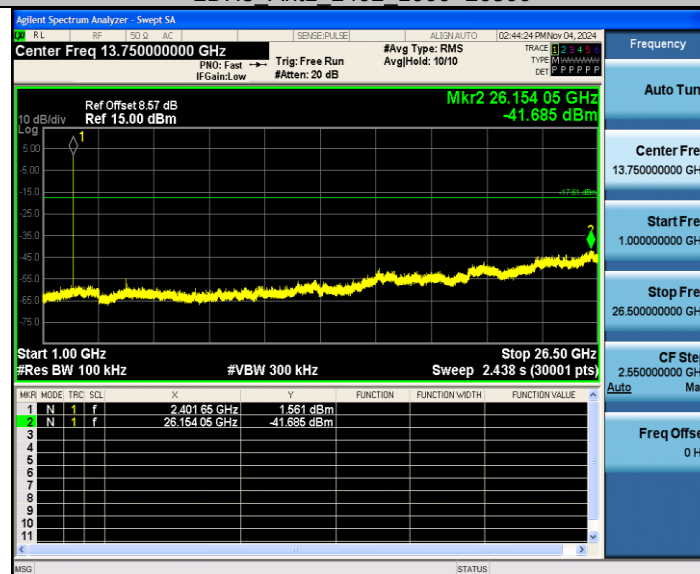
For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cnca.cn](http://www.cnca.cn)



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

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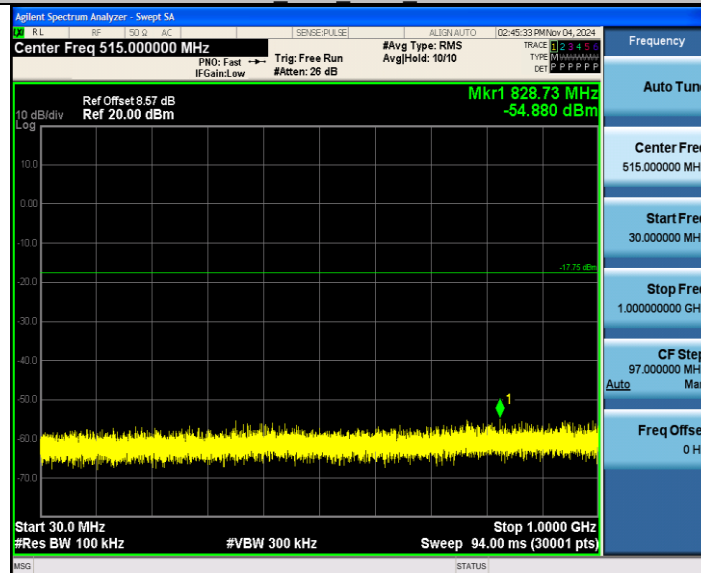
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
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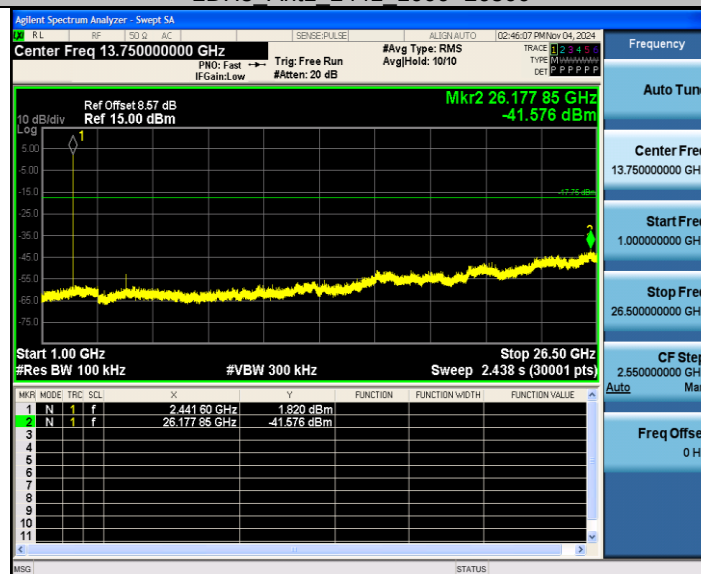
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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference

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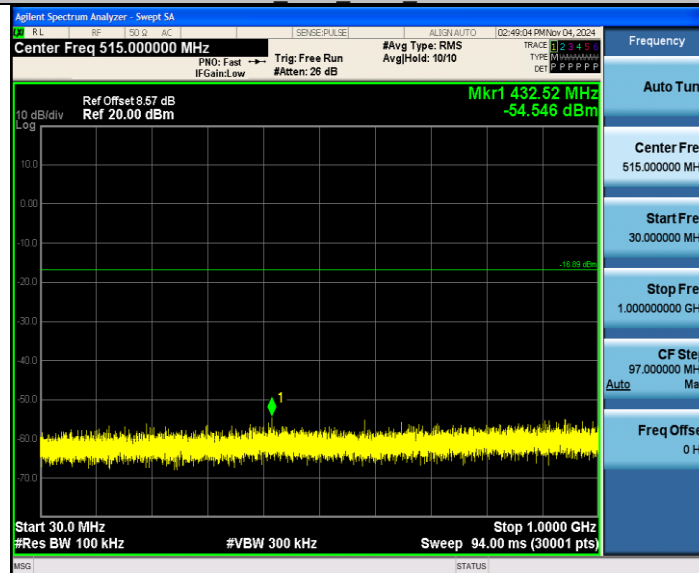
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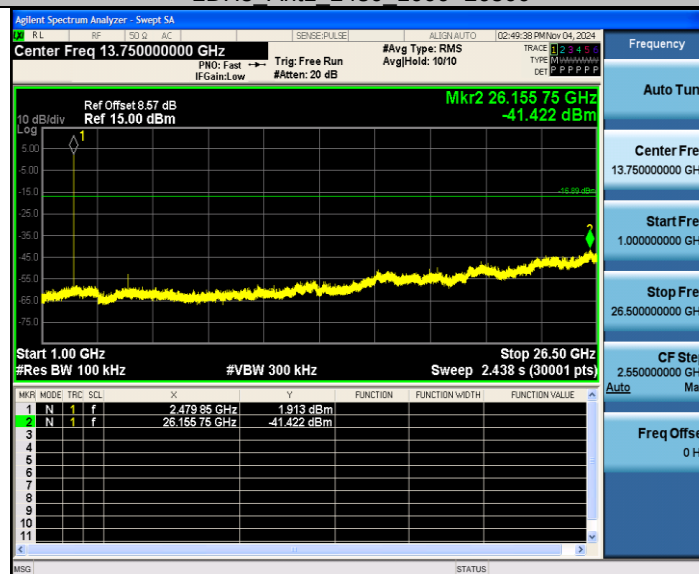
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2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

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