

RF Test Report

Applicant : Mobilehelp, LLC

Product Name : Cellular Base Station Gen4.0 Plus

Trade Name : MobileHelp

Model Number : DC-CBS4-03, DC-CBS4-13

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Received Date : Aug. 17, 2022

Test Period : May. 23 ~ Sep. 06, 2022

Issued Date : Dec. 06, 2022

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City 334025, Taiwan (R.O.C.)
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz (Bade test site)
Frequency Range: 9 kHz to 40 GHz (Wugu test site)
Test Firm MRA designation number: TW0010

Note:

1. The test results are valid only for samples provided by customers and under the test conditions described in this report.
2. This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3. The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Revisions	Revised By
00	Dec. 06, 2022	Initial Issue	Abby Huang

Verification of Compliance

Applicant : Mobilehelp, LLC

Product Name : Cellular Base Station Gen4.0 Plus

Trade Name : MobileHelp

Model Number : DC-CBS4-03, DC-CBS4-13

FCC ID : PXTCBS4-13

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Test Result : Complied

Performing Lab. : Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City 334025, Taiwan (R.O.C.)
Tel : +886-3-2710188 / Fax : +886-3-2710190
Taiwan Accreditation Foundation accreditation number: 1330



Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : _____

TABLE OF CONTENTS

1	General Information	5
1.1.	Summary of Test Result	5
1.2.	Measurement Uncertainty	6
2	EUT Description.....	7
3	Test Methodology.....	8
3.1.	Mode of Operation.....	8
3.2.	EUT Test Step.....	8
3.3.	Configuration of Test System Details.....	9
3.4.	Test Instruments	10
3.5.	Test Site Environment.....	12
4	Measurement Procedure.....	13
4.1.	AC Power Line Conducted Emission Measurement.....	13
4.2.	Radiated Emission Measurement.....	15
4.3.	Maximum Conducted Output Power Measurement.....	19
4.4.	6 dB RF Bandwidth Measurement.....	20
4.5.	Maximum Power Density Measurement.....	21
4.6.	Out of Band Conducted Emissions Measurement.....	22
4.7.	Antenna Measurement	22
5	Test Results	23
5.1.	Conducted Emission.....	23
5.2.	Conducted Test Results.....	29
5.3.	Radiated Emission Measurement.....	37

Appendix A. Test Setup Photographs

1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	PASS	-----
15.247(d)	Transmitter Radiated Emissions	PASS	-----
15.247(b)(3)	Max. Output Power	PASS	-----
15.247(a)(2)	6 dB RF Bandwidth	PASS	-----
15.247(e)	Maximum Power Spectral Density	PASS	-----
15.247(d)	Out of Band Conducted Spurious Emission	PASS	-----
15.203	Antenna Requirement	PASS	-----

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

1.2. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB
Radiated Emission	9 kHz ~ 30 MHz	2.2 dB
	30 MHz ~ 1000 MHz	5.1 dB
	1000 MHz ~ 18000 MHz	5.2 dB
	18000 MHz ~ 26500 MHz	4.6 dB
	26500 MHz ~ 40000 MHz	4.6 dB
Conducted Output Power	1.1 dB	
RF Bandwidth	4.7 %	
Power Spectral Density	1.1 dB	

2 EUT Description

Applicant	Mobilehelp, LLC 5050 Conference Way North, Suite 125, Boca Raton, FL 33431	
Product Name	Cellular Base Station Gen4.0 Plus	
Trade Name	MobileHelp	
Model No.	DC-CBS4-03, DC-CBS4-13	
Models Different Description	Model differences are only market segmentation, no hardware differences.	
FCC ID	PXTCBS4-13	
Frequency Range	2402 ~ 2480 MHz	
Modulation Type	GFSK	
Operate Temp. Range	-10 ~ +50 °C	
EUT Power Rating	5 Vdc, 2 A	
Antenna information	Type	Max. Gain (dBi)
	Chip Antenna	2.28
RF Output Power	0.00098 W	

3 Test Methodology

3.1. Mode of Operation

In the test report use EUT model: DC-CBS4-03 for ATT to operate testing.

Decision of Test ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit mode
Mode 2: LE, GFSK Continuous TX Mode

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that “Y axis” position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

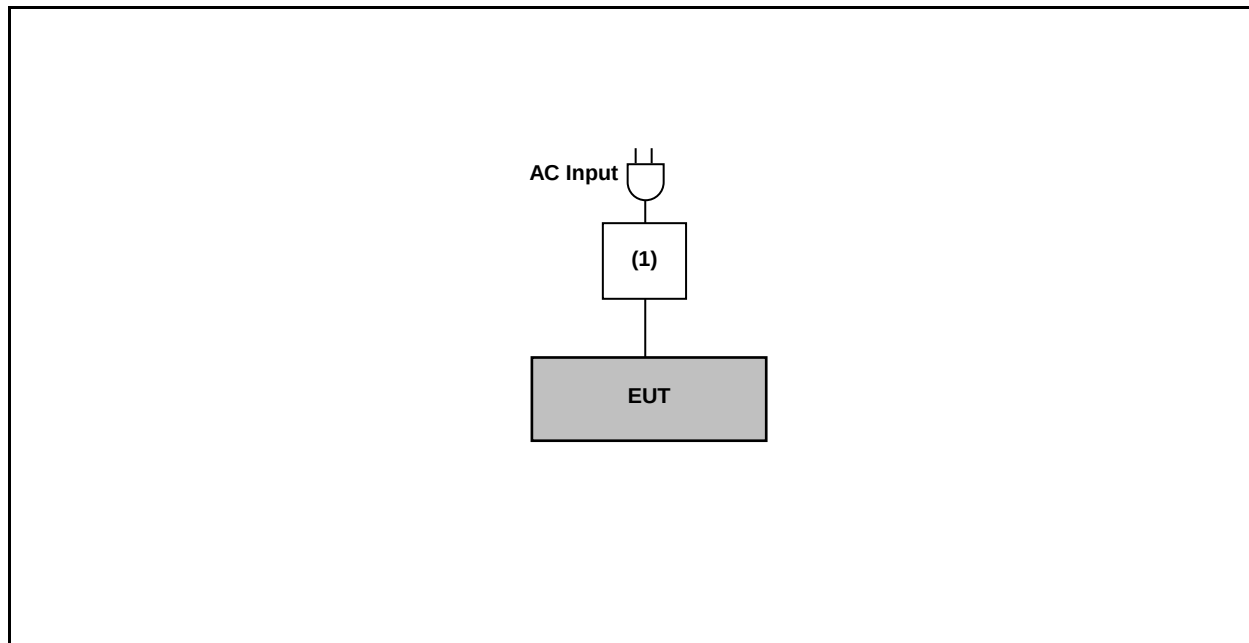
Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98 %.

3.2. EUT Test Step

1	Setup the EUT shown on “Configuration of Test System Details”.
2	Turn on the power of all equipment.
3	Turn on TX function.
4	EUT run test program.

3.3. Configuration of Test System Details

Conduction Emission & Radiated Emission



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	AC Adapter	Keen Ocean	S09-012-0050-02000	---	---

3.4. Test Instruments

For Conducted Emission

Test Period: Sep. 06, 2022

Testing Engineer: Amber Cheng

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESCI	100367	May 19, 2022	1 year
☐	Test Receiver	R&S	ESCI	100722	Nov. 02, 2021	1 year
☐	Test Receiver	R&S	ESCI	101000	Nov. 26, 2021	1 year
☒	LISN	R&S	ENV216	101040	Apr. 06, 2022	1 year
☒	LISN	R&S	ENV216	101140	Jan. 25, 2022	1 year
☒	RF Cable	Woken	00100D1380194M	TE-02-03	May 27, 2022	1 year
☒	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted

Test Period: Sep. 01, 2022

Testing Engineer: Peter Shui

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☐	Power Sensor	Anritsu	MA2411B	1126022	Sep. 03, 2021	1 year
☐	Power Meter	Anritsu	ML2495A	1135009	Sep. 03, 2021	1 year
☒	Power Sensor	Agilent	N1921A	MY45241957	Dec. 06, 2021	1 year
☒	Power Meter	Agilent	N1911A	MY45101619	Dec. 06, 2021	1 year
☐	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY59071418	Mar. 16, 2022	1 year
☒	Spectrum Analyzer (9 kHz~26.5 GHz)	Agilent	N9010A	MY48030518	Jul. 21, 2022	1 year
☐	Spectrum Analyzer (20 Hz~26.5 GHz)	Agilent	N9020A	US47520902	Sep. 09, 2021	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Jan. 05, 2022	1 year
☐	Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	Mar. 28, 2022	1 year
☐	Signal Generator	Keysight	N5182B	MY53052569	Apr. 16, 2022	1 year
☐	Signal Generator	Keysight	N5182BX07	MY59360221	Apr. 16, 2022	1 year
☐	Bluetooth Tester	R&S	CBT	100350	Mar. 17, 2021	2 years
☐	Wireless Connectivity Tester	R&S	CMW270	102208	Jun. 01, 2022	1 year
☐	Power Supply	KEITHLEY	2303	4045290	Jan. 19, 2022	1 year
☐	RF Communication Test Set	HP	8920A	3344A03297	Aug. 10, 2021	1 year

Note: N.C.R. = No Calibration Request.

For Radiated Emissions

Test Period: May. 23 ~ Jul. 14, 2022

Testing Engineer: Eason Lee, Eason Lee, Eason Lee

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☐	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	Jan. 13, 2022	1 year
☐	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Jan. 05, 2022	1 year
☒	Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	Apr. 14, 2022	1 year
☐	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9020B	MY60112363	Feb. 27, 2022	1 year
☒	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 14, 2022	1 year
☐	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A10961	Jul. 06, 2021 Jul. 07, 2022	1 year
☐	Broadband Amplifier (100 kHz~1 GHz)	Titan	T0910E00014330A1F	001	Jul. 23, 2021 Jul. 21, 2022	1 year
☒	Amplifier (1 GHz~26.5 GHz)	Agilent	8449B	3008A02237	Oct. 21, 2021	1 year
☐	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025A1F	002	Jul. 26, 2021 Jul. 21, 2022	1 year
☒	Preamplifier (26.5 GHz~40 GHz)	EMCI	EMC2654045	980028	Aug. 19, 2021	1 year
☒	Loop Antenna (9 kHz~30 MHz)	COM-POWER CORPORATION	AL-130	121014	Mar. 28, 2022	1 year
☐	Active Loop Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	1513-60-031	Feb. 17, 2022	1 year
☐	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jul. 19, 2021 Jul. 22, 2022	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	416	Nov. 17, 2021	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 09, 2021 Jul. 13, 2022	1 year
☐	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	9120D-550	Aug. 24, 2021	1 year
☒	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Aug. 24, 2021	1 year
☐	Horn Antenna (18 GHz~40 GHz)	ETS	3116	00086467	Dec. 03, 2021	1 year

Note: N.C.R. = No Calibration Request.

For Radiated Emissions

Test Period: May. 23 ~ Jul. 14, 2022

Testing Engineer: Eason Lee, Eason Lee, Eason Lee

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☐	RF Cable	EMCI	EMC104-N-N-6000	TE01-1	Feb. 18, 2022	1 year
☐	Microwave Cable	EMCI	EMC104-SM-SM-13000	170814	Feb. 18, 2022	1 year
☐	Microwave Cable	EMCI	EMC102-KM-KM-14000	151001	Feb. 18, 2022	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A100	J11005	Aug. 04, 2022	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A900	J11004	Aug. 04, 2022	1 year
☒	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 04, 2022	1 year
☐	Bluetooth Tester	R&S	CBT	100350	Mar. 17, 2021	2 years
☐	Wireless Connectivity Tester	R&S	CMW270	102208	Jun. 01, 2022	1 year
☐	Power Supply	KEITHLEY	2303	4045290	Jan. 19, 2022	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request.

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

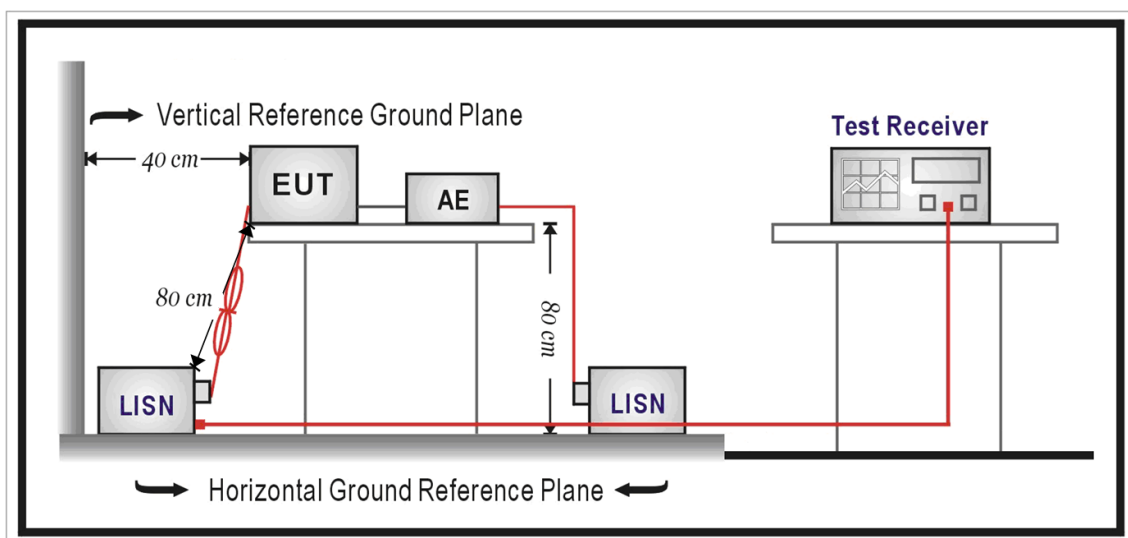
4 Measurement Procedure

4.1. AC Power Line Conducted Emission Measurement

■ Limit

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ Test Setup



■ Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a $50\ \Omega // 50\ \mu\text{H}$ coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

4.2. Radiated Emission Measurement

■ Limit

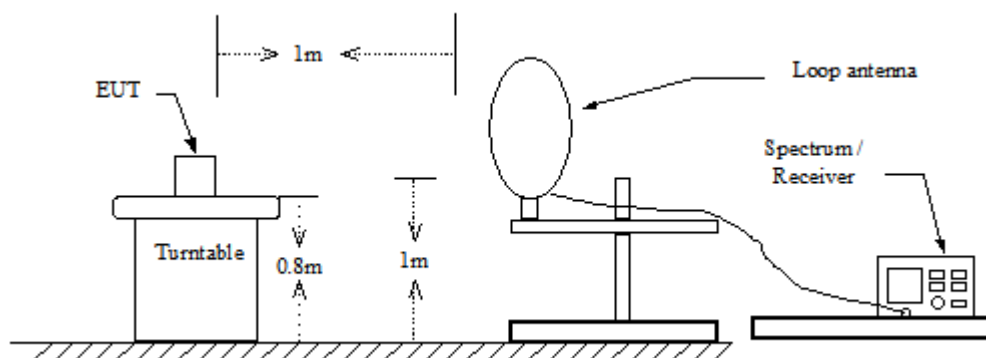
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 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
Above 960	500	3

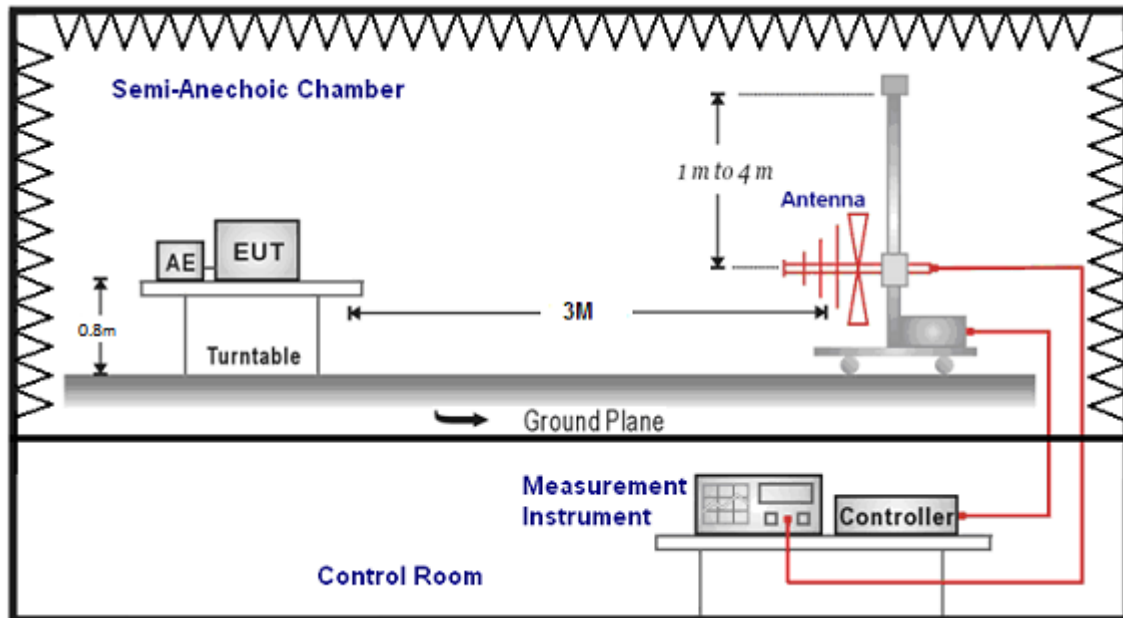
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

■ Setup

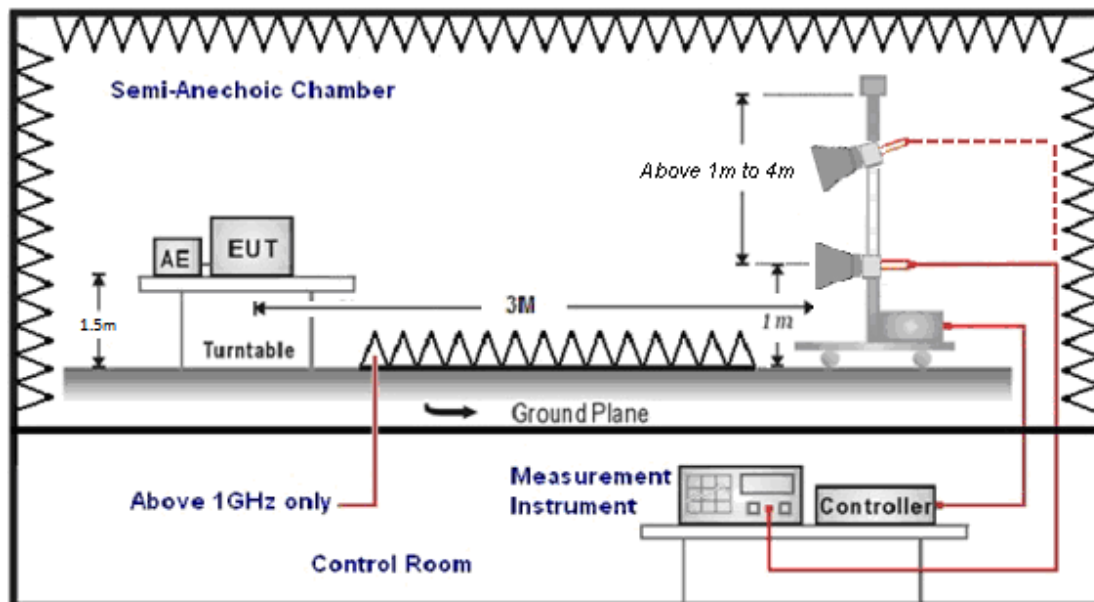
9 kHz ~ 30 MHz



Below 1 GHz



Above 1 GHz



■ Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle >0.98 / $1/T$ for average measurements when Duty cycle <0.98 . A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna was used in frequencies 1 –26.5 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro volts per meter (dBuV/m).

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

$$(1) \text{ Amplitude (dBuV/m) = FI (dBuV) + AF (dBuV) + CL (dBuV) - Gain (dB)}$$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

$$(2) \text{ Actual Amplitude (dBuV/m) = Amplitude (dBuV) - Dis(dB)}$$

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30 dBm

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

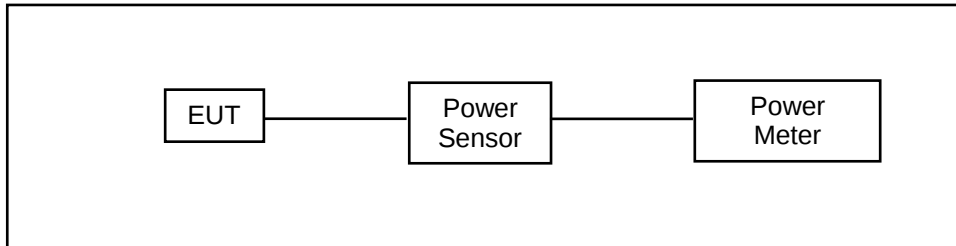
Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

4.3. Maximum Conducted Output Power Measurement

■ Limit

For systems using digital modulation in the 2400-2483.5 MHz, the limit for peak output power is 30 dBm.

■ Test Setup



■ Test Procedure

The testing follows the Measurement Procedure of ANSI C63.10:2013 section 11.9.2.3.2 Method AVGPM.

The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor..

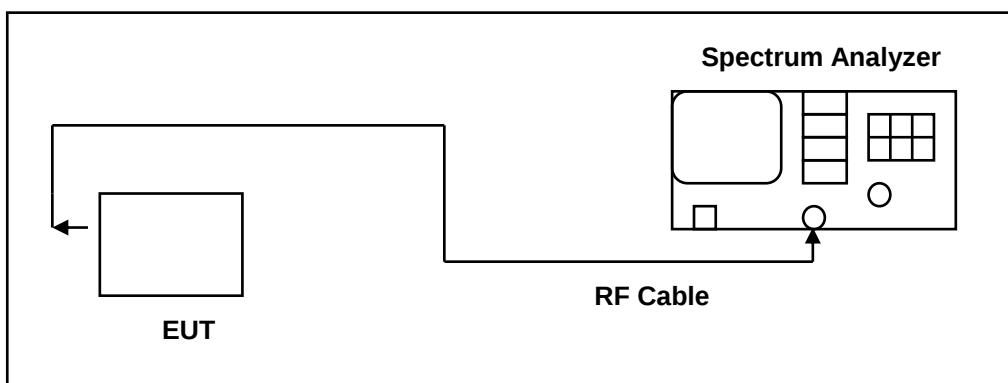
4.4. 6 dB RF Bandwidth Measurement

■ Limit

6 dB RF Bandwidth: Systems using digital modulation techniques may operate in the 2400–2483.5 MHz bands. The minimum 6 dB band-width shall be at least 500 kHz.

99 % Occupied Bandwidth: N/A

■ Test Setup



■ Test Procedure

The EUT tested to DTS test procedure of ANSI C63.10-2013 section 11.8.2 option2 for compliance to FCC 47CFR 15.247 requirements.

6 dB RF Bandwidth: The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

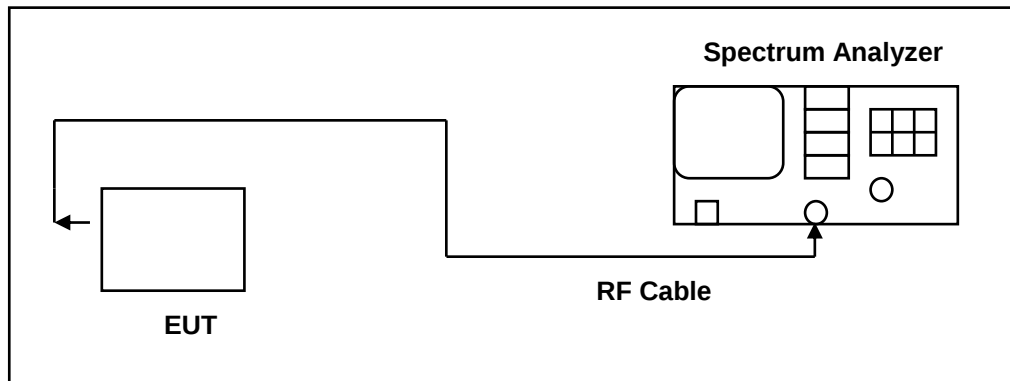
The test was performed at 3 channels (Channel low, middle, high)

4.5. Maximum Power Density Measurement

■ Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

■ Test Setup



■ Test Procedure

The EUT tested to DTS test procedure of ANSI C63.10:2013 section 11.10.2 Method PKPSD.

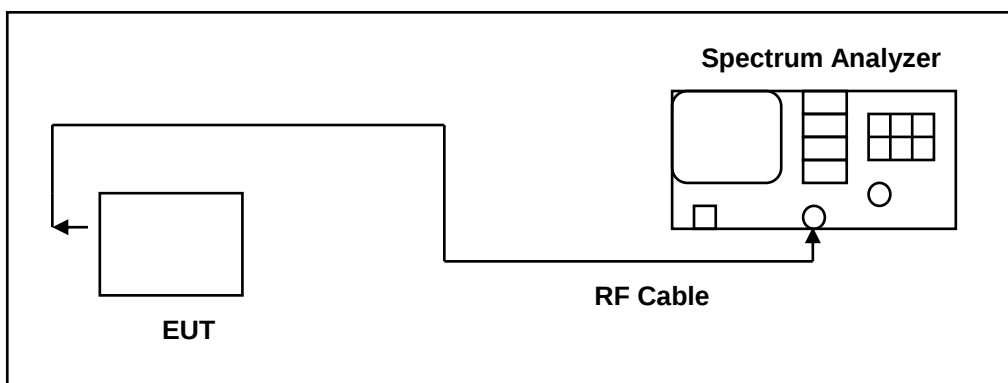
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.6. Out of Band Conducted Emissions Measurement

■ Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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

■ Test Setup



■ Test Procedure

In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band. The test was performed at 3 channels.

4.7. Antenna Measurement

■ Limit

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

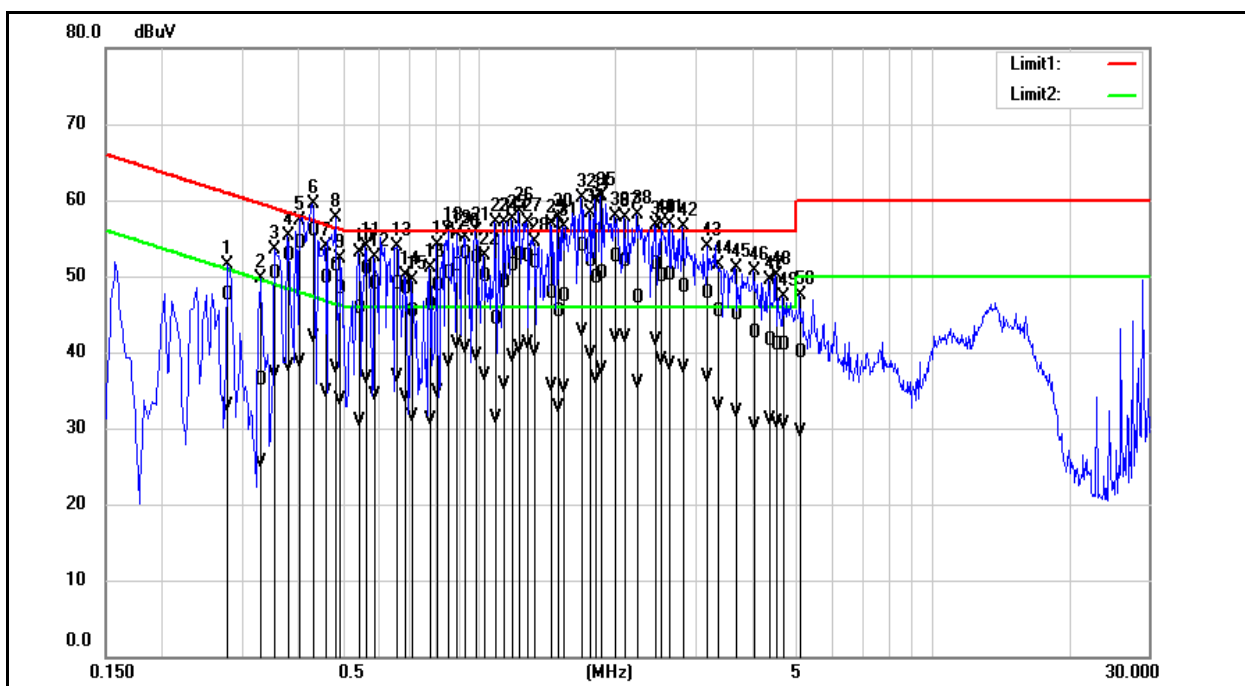
■ Antenna Connector Construction

See section 2 – antenna information.

5 Test Results

5.1. Conducted Emission

Standard:	FCC Part 15.247	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			



Standard:	FCC Part 15.247	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.2780	37.92	23.32	9.54	47.46	32.86	60.88	50.88	-13.42	-18.02	Pass
2	0.3300	26.67	16.02	9.54	36.21	25.56	59.45	49.45	-23.24	-23.89	Pass
3	0.3540	40.67	27.64	9.55	50.22	37.19	58.87	48.87	-8.65	-11.68	Pass
4	0.3780	43.10	28.51	9.55	52.65	38.06	58.32	48.32	-5.67	-10.26	Pass
5	0.4020	44.79	29.14	9.55	54.34	38.69	57.81	47.81	-3.47	-9.12	Pass
6	0.4300	46.32	32.39	9.55	55.87	41.94	57.25	47.25	-1.38	-5.31	Pass
7	0.4580	40.15	25.14	9.55	49.70	34.69	56.73	46.73	-7.03	-12.04	Pass
8	0.4820	41.78	28.31	9.55	51.33	37.86	56.30	46.30	-4.97	-8.44	Pass
9	0.4940	38.76	24.20	9.55	48.31	33.75	56.10	46.10	-7.79	-12.35	Pass
10	0.5420	36.15	21.42	9.55	45.70	30.97	56.00	46.00	-10.30	-15.03	Pass
11	0.5620	41.29	26.96	9.55	50.84	36.51	56.00	46.00	-5.16	-9.49	Pass
12	0.5860	39.45	24.75	9.55	49.00	34.30	56.00	46.00	-7.00	-11.70	Pass
13	0.6580	39.26	27.13	9.56	48.82	36.69	56.00	46.00	-7.18	-9.31	Pass
14	0.6860	38.69	24.61	9.56	48.25	34.17	56.00	46.00	-7.75	-11.83	Pass
15	0.7100	35.79	21.90	9.57	45.36	31.47	56.00	46.00	-10.64	-14.53	Pass
16	0.7780	36.56	21.61	9.57	46.13	31.18	56.00	46.00	-9.87	-14.82	Pass
17	0.8060	39.10	25.14	9.57	48.67	34.71	56.00	46.00	-7.33	-11.29	Pass
18	0.8540	40.71	29.10	9.57	50.28	38.67	56.00	46.00	-5.72	-7.33	Pass
19	0.8940	41.78	31.47	9.58	51.36	41.05	56.00	46.00	-4.64	-4.95	Pass
20	0.9260	43.42	30.84	9.58	53.00	40.42	56.00	46.00	-3.00	-5.58	Pass
21	0.9820	42.66	29.98	9.58	52.24	39.56	56.00	46.00	-3.76	-6.44	Pass
22	1.0260	40.27	27.25	9.58	49.85	36.83	56.00	46.00	-6.15	-9.17	Pass
23	1.0860	34.74	21.69	9.58	44.32	31.27	56.00	46.00	-11.68	-14.73	Pass
24	1.1340	39.50	26.06	9.58	49.08	35.64	56.00	46.00	-6.92	-10.36	Pass
25	1.1820	41.73	29.74	9.59	51.32	39.33	56.00	46.00	-4.68	-6.67	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

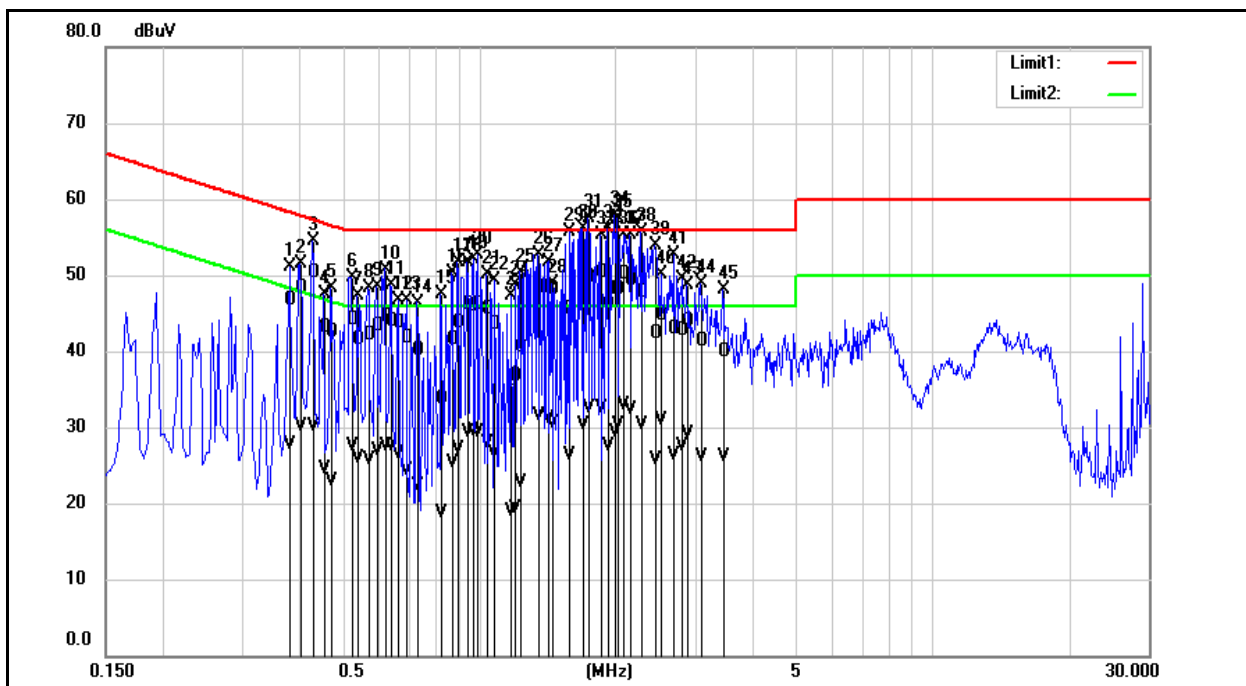
Standard:	FCC Part 15.247	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
26	1.2220	43.18	30.97	9.59	52.77	40.56	56.00	46.00	-3.23	-5.44	Pass
27	1.2740	42.91	31.42	9.59	52.50	41.01	56.00	46.00	-3.50	-4.99	Pass
28	1.3220	42.04	30.60	9.59	51.63	40.19	56.00	46.00	-4.37	-5.81	Pass
29	1.4380	38.03	25.99	9.59	47.62	35.58	56.00	46.00	-8.38	-10.42	Pass
30	1.4940	35.73	23.04	9.59	45.32	32.63	56.00	46.00	-10.68	-13.37	Pass
31	1.5300	37.75	25.79	9.60	47.35	35.39	56.00	46.00	-8.65	-10.61	Pass
32	1.6740	44.34	33.19	9.60	53.94	42.79	56.00	46.00	-2.06	-3.21	Pass
33	1.7500	42.35	30.05	9.60	51.95	39.65	56.00	46.00	-4.05	-6.35	Pass
34	1.8020	40.06	26.82	9.60	49.66	36.42	56.00	46.00	-6.34	-9.58	Pass
35	1.8540	40.66	28.19	9.61	50.27	37.80	56.00	46.00	-5.73	-8.20	Pass
36	1.9900	42.87	32.24	9.61	52.48	41.85	56.00	46.00	-3.52	-4.15	Pass
37	2.0940	42.32	32.22	9.61	51.93	41.83	56.00	46.00	-4.07	-4.17	Pass
38	2.2260	37.53	26.36	9.61	47.14	35.97	56.00	46.00	-8.86	-10.03	Pass
39	2.4380	41.84	31.81	9.62	51.46	41.43	56.00	46.00	-4.54	-4.57	Pass
40	2.5140	40.19	29.19	9.63	49.82	38.82	56.00	46.00	-6.18	-7.18	Pass
41	2.6340	40.42	28.73	9.63	50.05	38.36	56.00	46.00	-5.95	-7.64	Pass
42	2.8220	38.88	28.28	9.64	48.52	37.92	56.00	46.00	-7.48	-8.08	Pass
43	3.1900	37.98	27.11	9.64	47.62	36.75	56.00	46.00	-8.38	-9.25	Pass
44	3.3540	35.56	23.27	9.65	45.21	32.92	56.00	46.00	-10.79	-13.08	Pass
45	3.6700	35.29	22.48	9.66	44.95	32.14	56.00	46.00	-11.05	-13.86	Pass
46	4.0380	32.76	20.56	9.67	42.43	30.23	56.00	46.00	-13.57	-15.77	Pass
47	4.3580	31.74	21.51	9.68	41.42	31.19	56.00	46.00	-14.58	-14.81	Pass
48	4.5140	31.25	21.11	9.68	40.93	30.79	56.00	46.00	-15.07	-15.21	Pass
49	4.6860	31.30	20.81	9.68	40.98	30.49	56.00	46.00	-15.02	-15.51	Pass
50	5.1020	30.12	19.74	9.70	39.82	29.44	60.00	50.00	-20.18	-20.56	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15.247	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			



Standard:	FCC Part 15.247	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3820	37.07	18.12	9.61	46.68	27.73	58.24	48.24	-11.56	-20.51	Pass
2	0.4020	38.75	20.58	9.61	48.36	30.19	57.81	47.81	-9.45	-17.62	Pass
3	0.4300	40.70	20.55	9.61	50.31	30.16	57.25	47.25	-6.94	-17.09	Pass
4	0.4540	33.40	14.90	9.61	43.01	24.51	56.80	46.80	-13.79	-22.29	Pass
5	0.4700	32.85	13.25	9.61	42.46	22.86	56.51	46.51	-14.05	-23.65	Pass
6	0.5220	34.52	17.92	9.61	44.13	27.53	56.00	46.00	-11.87	-18.47	Pass
7	0.5380	31.98	16.22	9.61	41.59	25.83	56.00	46.00	-14.41	-20.17	Pass
8	0.5700	32.45	16.08	9.61	42.06	25.69	56.00	46.00	-13.94	-20.31	Pass
9	0.5940	33.73	17.33	9.61	43.34	26.94	56.00	46.00	-12.66	-19.06	Pass
10	0.6180	34.82	17.99	9.61	44.43	27.60	56.00	46.00	-11.57	-18.40	Pass
11	0.6380	34.26	17.79	9.62	43.88	27.41	56.00	46.00	-12.12	-18.59	Pass
12	0.6620	34.11	16.86	9.62	43.73	26.48	56.00	46.00	-12.27	-19.52	Pass
13	0.6900	32.00	14.71	9.62	41.62	24.33	56.00	46.00	-14.38	-21.67	Pass
14	0.7300	30.47	12.70	9.63	40.10	22.33	56.00	46.00	-15.90	-23.67	Pass
15	0.8220	23.99	9.17	9.63	33.62	18.80	56.00	46.00	-22.38	-27.20	Pass
16	0.8700	31.91	15.67	9.63	41.54	25.30	56.00	46.00	-14.46	-20.70	Pass
17	0.8980	33.99	17.50	9.64	43.63	27.14	56.00	46.00	-12.37	-18.86	Pass
18	0.9420	36.48	19.67	9.64	46.12	29.31	56.00	46.00	-9.88	-16.69	Pass
19	0.9700	36.34	19.77	9.64	45.98	29.41	56.00	46.00	-10.02	-16.59	Pass
20	0.9940	36.52	19.60	9.64	46.16	29.24	56.00	46.00	-9.84	-16.76	Pass
21	1.0420	35.87	18.32	9.64	45.51	27.96	56.00	46.00	-10.49	-18.04	Pass
22	1.0820	33.96	16.90	9.64	43.60	26.54	56.00	46.00	-12.40	-19.46	Pass
23	1.1740	26.55	9.19	9.65	36.20	18.84	56.00	46.00	-19.80	-27.16	Pass
24	1.1980	27.08	9.56	9.65	36.73	19.21	56.00	46.00	-19.27	-26.79	Pass
25	1.2300	30.89	13.02	9.65	40.54	22.67	56.00	46.00	-15.46	-23.33	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15.247	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Mode 1	Temp.(°C)/Hum.(%RH):	26(°C)/60 %RH
Description:			

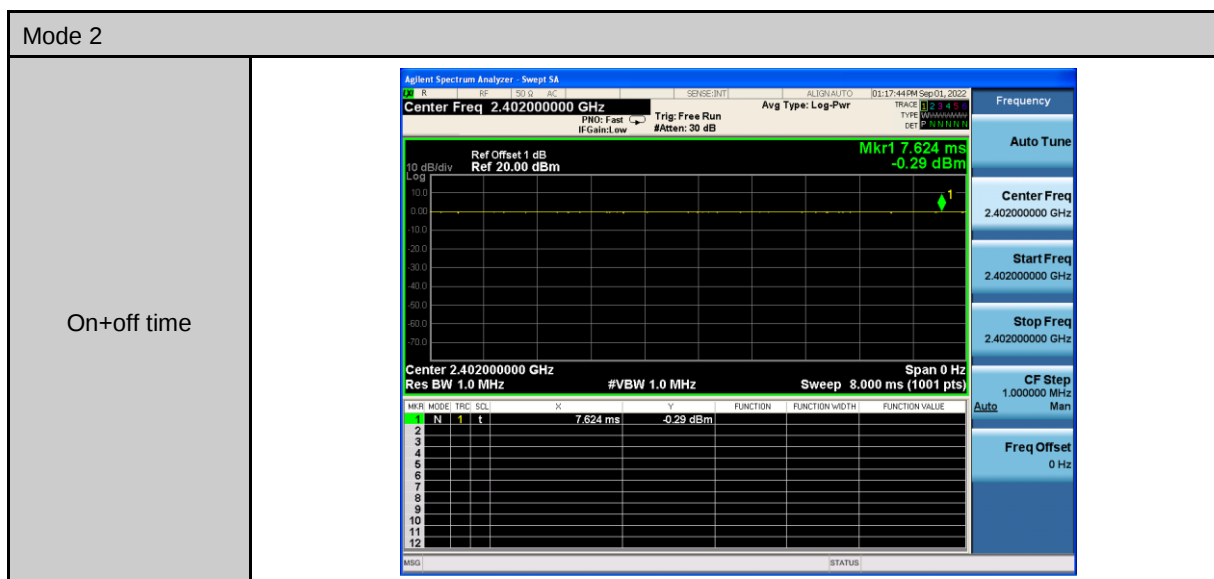
No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
26	1.3460	38.70	21.78	9.65	48.35	31.43	56.00	46.00	-7.65	-14.57	Pass
27	1.4220	38.72	21.42	9.65	48.37	31.07	56.00	46.00	-7.63	-14.93	Pass
28	1.4420	38.53	20.81	9.65	48.18	30.46	56.00	46.00	-7.82	-15.54	Pass
29	1.5820	35.74	16.60	9.67	45.41	26.27	56.00	46.00	-10.59	-19.73	Pass
30	1.6900	38.55	20.69	9.67	48.22	30.36	56.00	46.00	-7.78	-15.64	Pass
31	1.7380	40.12	22.82	9.67	49.79	32.49	56.00	46.00	-6.21	-13.51	Pass
32	1.8500	40.55	22.79	9.68	50.23	32.47	56.00	46.00	-5.77	-13.53	Pass
33	1.9220	36.45	17.76	9.68	46.13	27.44	56.00	46.00	-9.87	-18.56	Pass
34	1.9900	38.42	19.56	9.68	48.10	29.24	56.00	46.00	-7.90	-16.76	Pass
35	2.0140	38.41	20.55	9.68	48.09	30.23	56.00	46.00	-7.91	-15.77	Pass
36	2.0780	40.43	23.21	9.68	50.11	32.89	56.00	46.00	-5.89	-13.11	Pass
37	2.1500	39.61	22.58	9.68	49.29	32.26	56.00	46.00	-6.71	-13.74	Pass
38	2.2820	38.02	20.63	9.69	47.71	30.32	56.00	46.00	-8.29	-15.68	Pass
39	2.4420	32.71	16.07	9.69	42.40	25.76	56.00	46.00	-13.60	-20.24	Pass
40	2.5180	35.08	21.14	9.69	44.77	30.83	56.00	46.00	-11.23	-15.17	Pass
41	2.6820	33.22	16.53	9.69	42.91	26.22	56.00	46.00	-13.09	-19.78	Pass
42	2.8060	33.03	17.81	9.70	42.73	27.51	56.00	46.00	-13.27	-18.49	Pass
43	2.8820	34.17	19.40	9.70	43.87	29.10	56.00	46.00	-12.13	-16.90	Pass
44	3.0860	31.56	16.31	9.71	41.27	26.02	56.00	46.00	-14.73	-19.98	Pass
45	3.4500	30.28	16.41	9.72	40.00	26.13	56.00	46.00	-16.00	-19.87	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).
 2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Conducted Test Results

Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2	2402	8.000	8.000	1.000	0.000	0.010



Maximum Conducted Output Power Measurement

Test Mode	Frequency (MHz)	RF Power setting in Test Software	Test Software Version
Mode 2	2402	Default	BLECWU
	2440	Default	
	2480	Default	

Test Mode	Mode 2				
Frequency (MHz)	Average Power		Peak Power		Limit (dBm)
	(dBm)	(W)	(dBm)	(W)	
2402	-0.50	0.00089	-0.09	0.00098	≤ 30
2440	-0.92	0.00081	-0.73	0.00085	≤ 30
2480	-1.07	0.00078	-0.97	0.00080	≤ 30

Note: The relevant measured result has the offset with cable loss already.

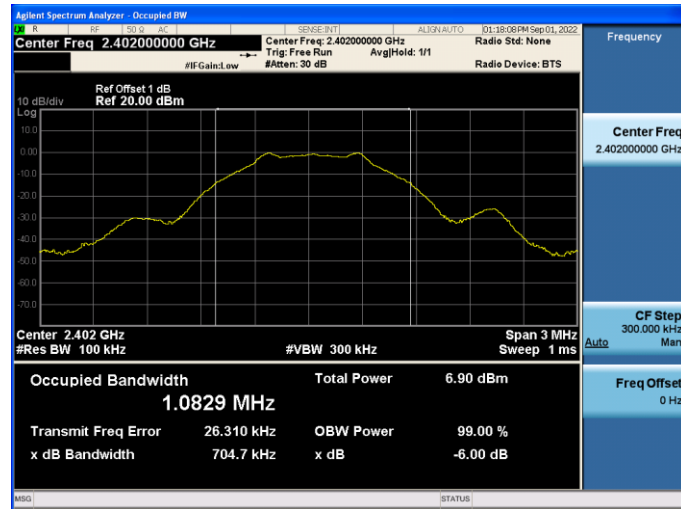
6 dB RF Bandwidth Measurement

Test Mode	Mode 2	
Frequency (MHz)	Measurement Results (kHz)	Limit (kHz)
2402	704.7000	≥ 500
2440	705.5000	≥ 500
2480	699.8000	≥ 500

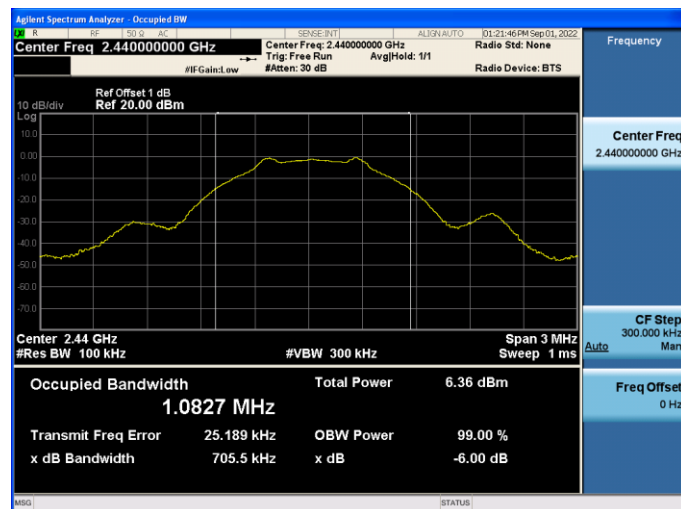
Test Graphs

Mode 2

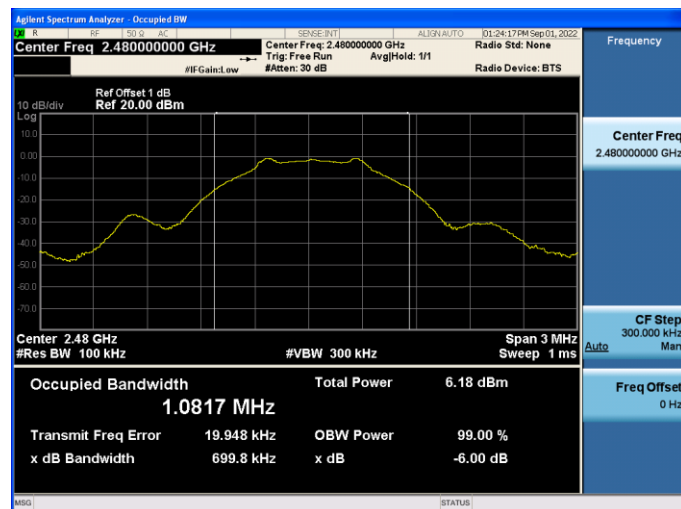
2402 MHz



2440 MHz



2480 MHz



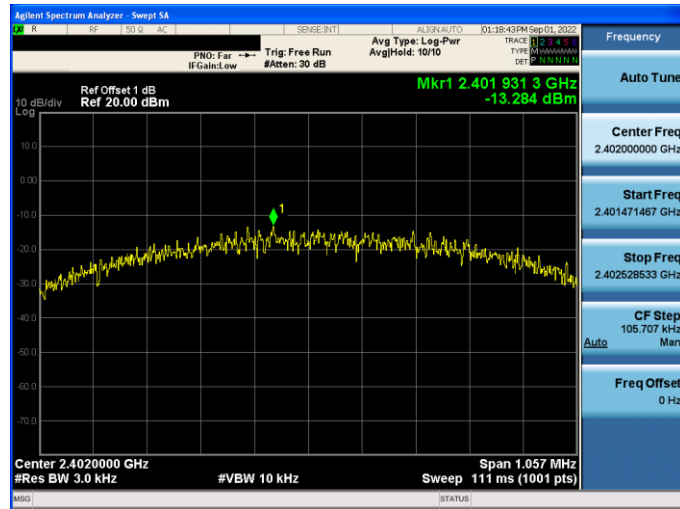
Maximum Power Density Measurement

Test Mode	Mode 2	
Frequency (MHz)	Measurement Results (dBm/ 3 kHz)	Limit (dBm)
2402	-13.284	≤ 8
2440	-14.019	≤ 8
2480	-14.429	≤ 8

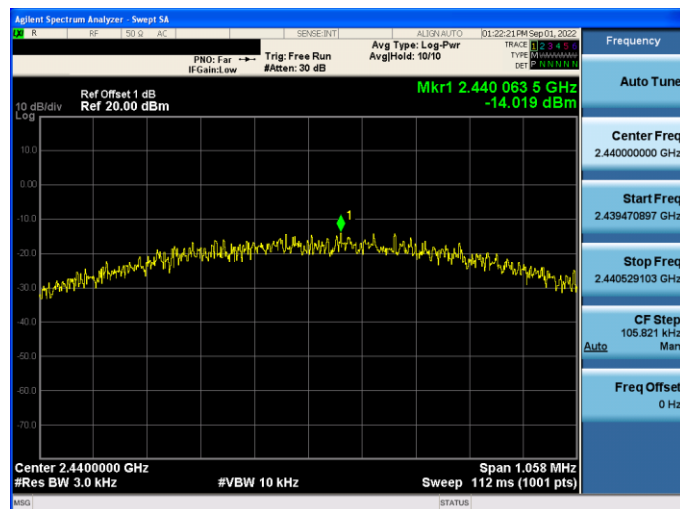
Test Graphs

Mode 2

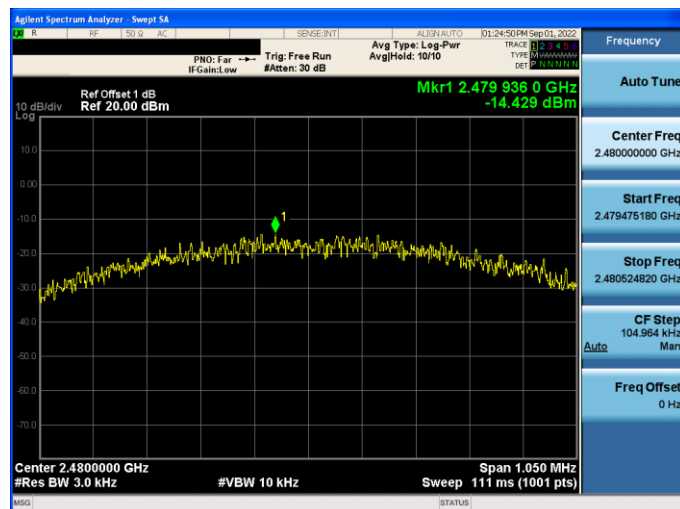
2402 MHz



2440 MHz



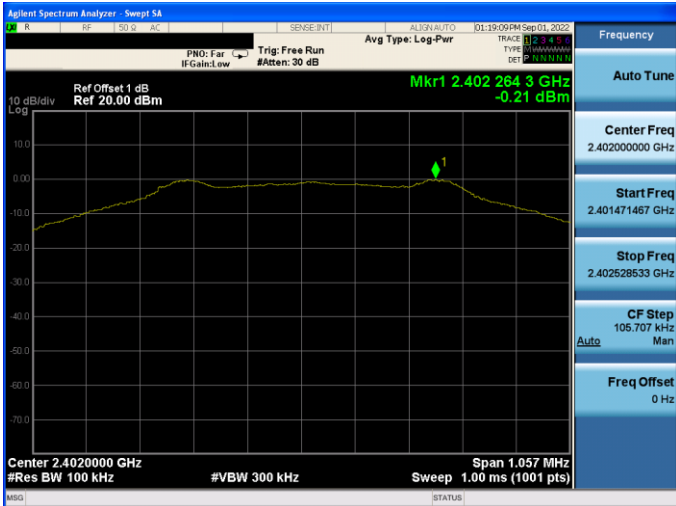
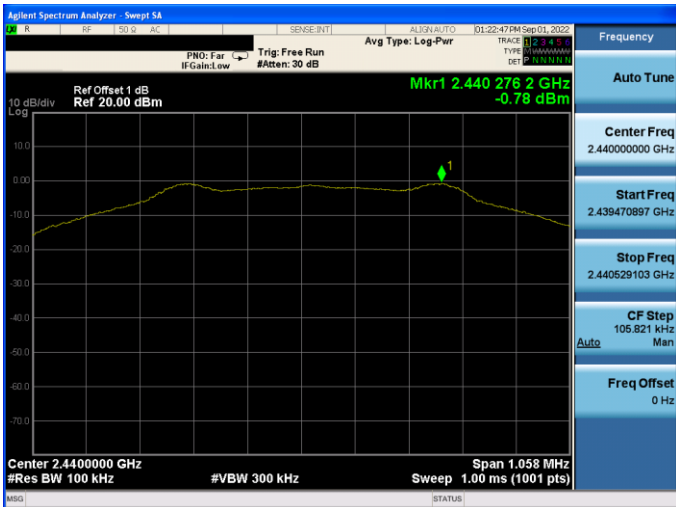
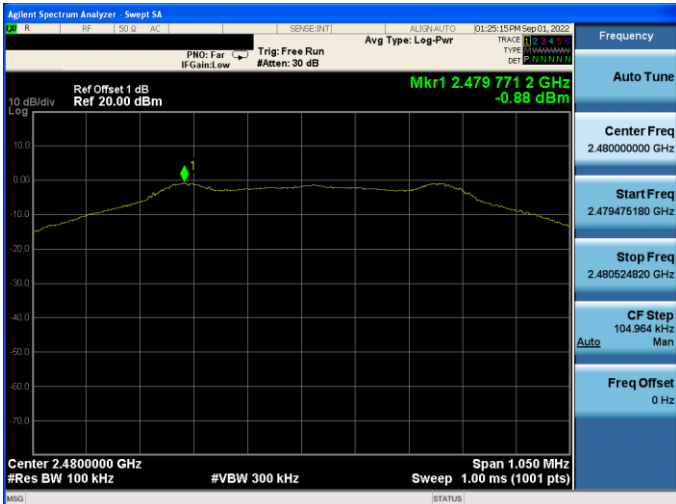
2480 MHz



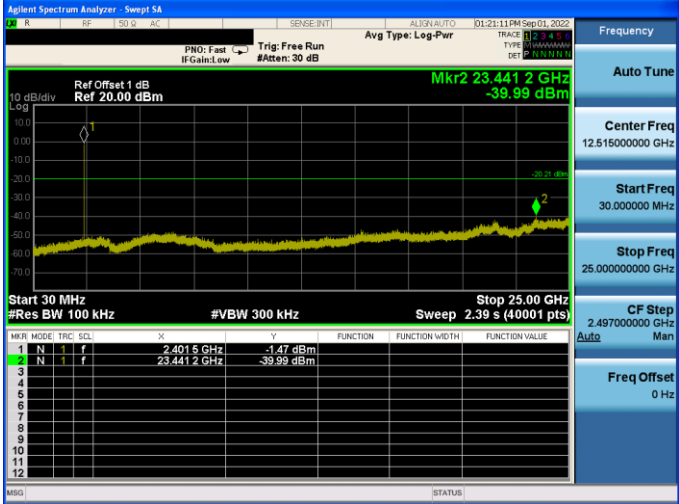
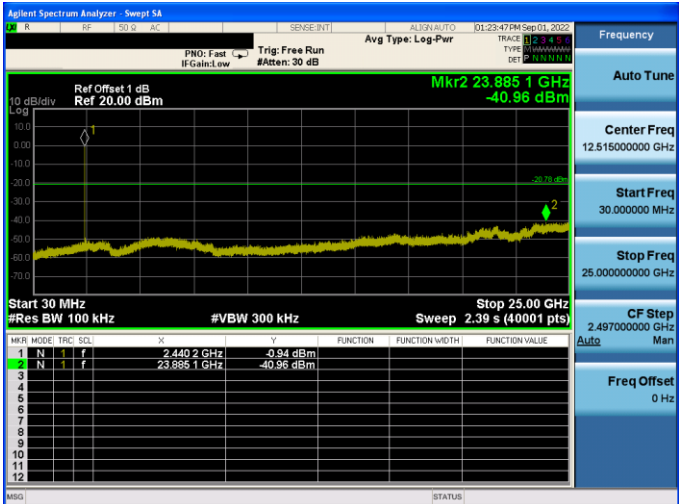
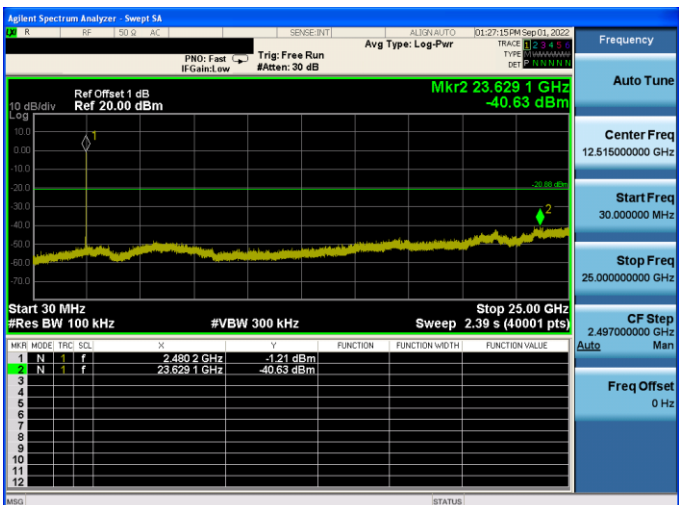
Out of Band Conducted Emissions Measurement

■ Test Graphs

Reference level

Mode 2 2402 MHz	
2440 MHz	
2480 MHz	

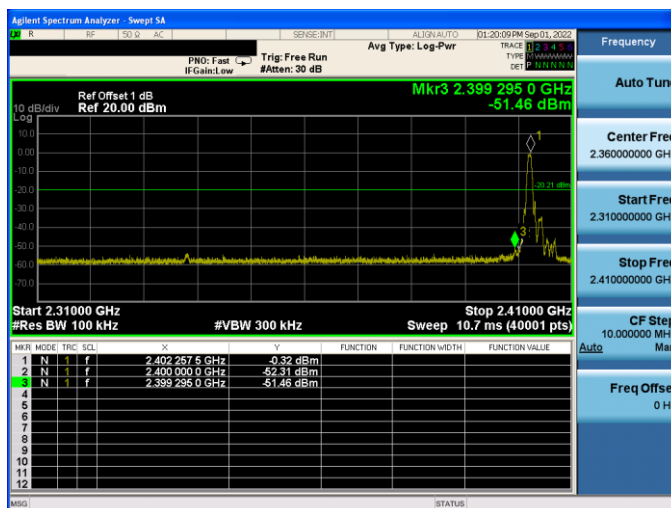
Out of Band Conducted Emissions

Mode 2	
2402 MHz	
2440 MHz	
2480 MHz	

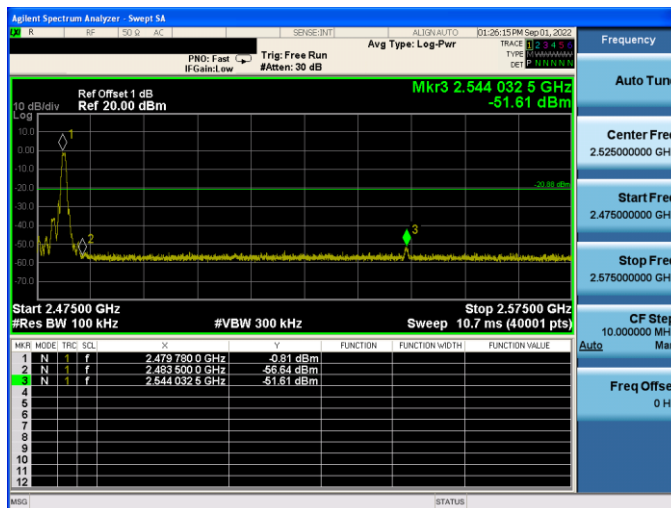
Conducted Band Edge

Mode 2

2402 MHz



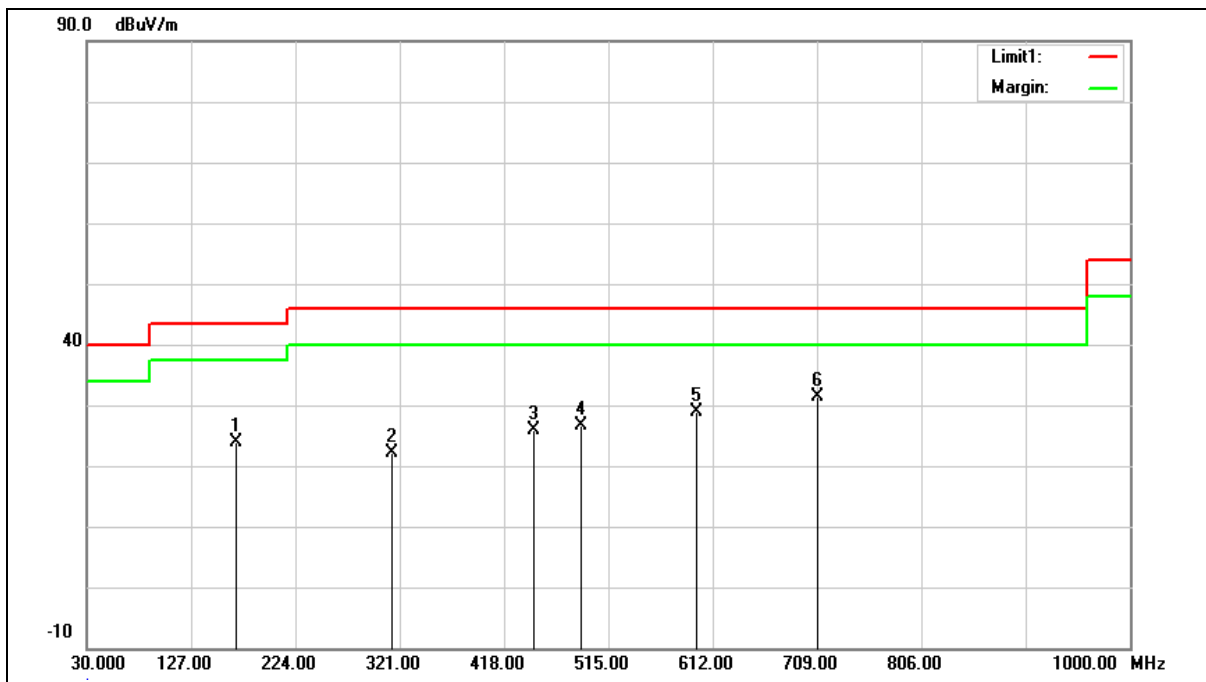
2480 MHz



5.3. Radiated Emission Measurement

Below 1 GHz

Standard:	FCC Part 15.247	Test Distance:	3m
Mode:	Mode 1		
Ant.Polar.:	Horizontal		



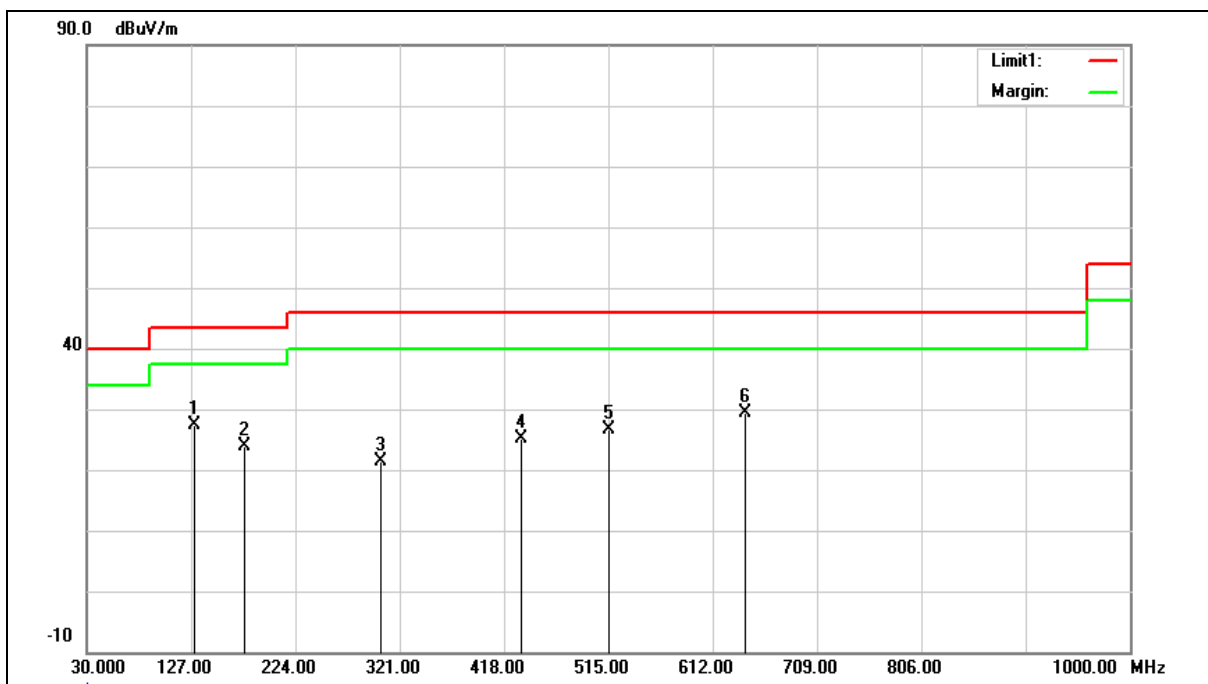
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	168.7100	30.79	-6.91	23.88	43.50	-19.62	QP
2	314.2100	27.93	-5.89	22.04	46.00	-23.96	QP
3	446.1300	28.63	-2.64	25.99	46.00	-20.01	QP
4	489.7800	28.63	-1.97	26.66	46.00	-19.34	QP
5	597.4500	28.25	0.57	28.82	46.00	-17.18	QP
6*	709.0000	29.11	2.37	31.48	46.00	-14.52	QP

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.247	Test Distance:	3m
Mode:	Mode 1		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	129.9100	36.19	-8.79	27.40	43.50	-16.10	QP
2	176.4700	31.32	-7.46	23.86	43.50	-19.64	QP
3	303.5400	27.64	-6.16	21.48	46.00	-24.52	QP
4	433.5200	27.97	-2.94	25.03	46.00	-20.97	QP
5	515.0000	28.19	-1.51	26.68	46.00	-19.32	QP
6	642.0700	28.48	0.85	29.33	46.00	-16.67	QP

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

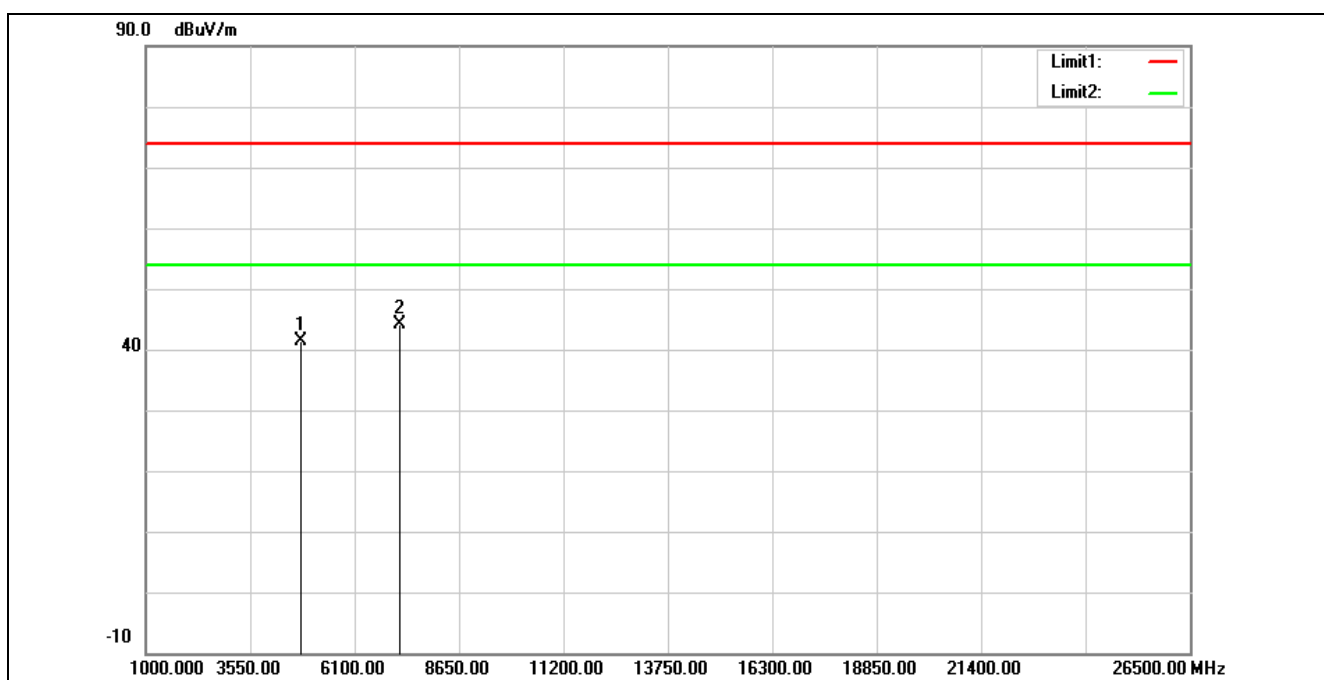
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Harmonic

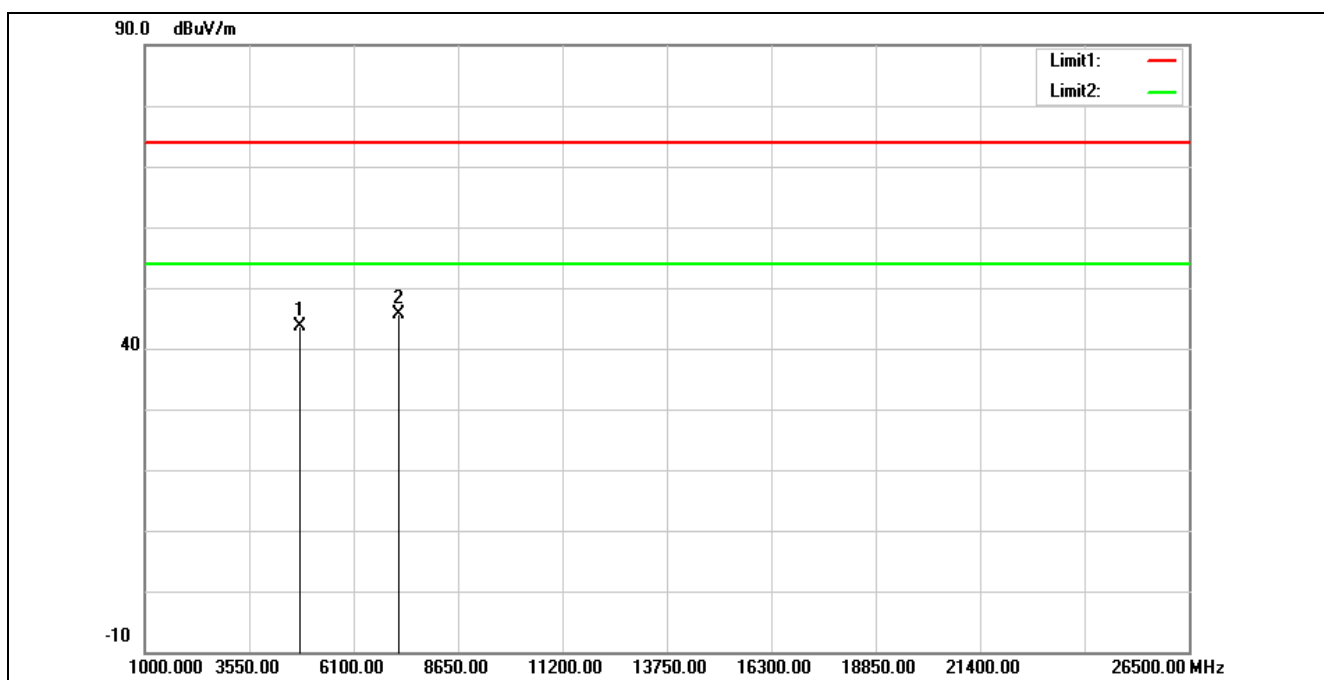
Above 1 GHz

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Mode 2_2402 MHz		
Remark:			



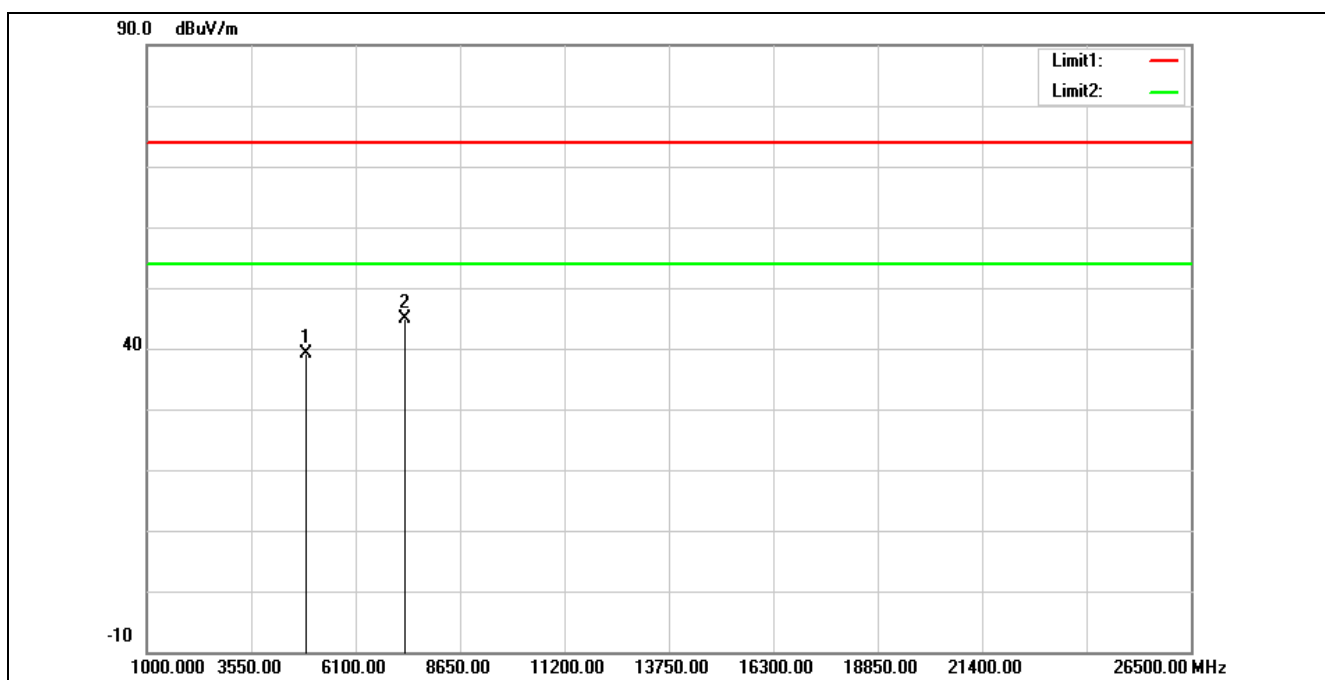
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	41.17	0.29	41.46	74.00	-32.54	peak
2*	7206.000	36.38	7.82	44.20	74.00	-29.80	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Mode 2_2402 MHz		
Remark:			



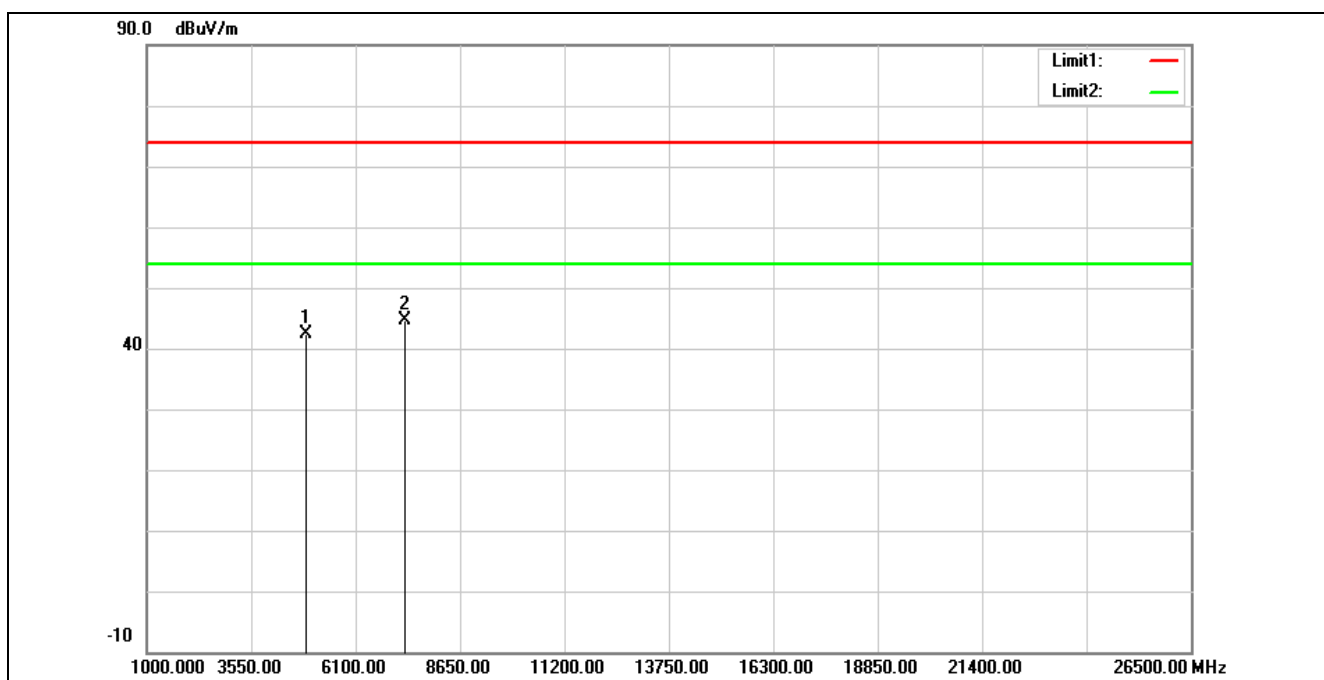
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	43.24	0.29	43.53	74.00	-30.47	peak
2*	7206.000	37.75	7.82	45.57	74.00	-28.43	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Mode 2_2440 MHz		
Remark:			



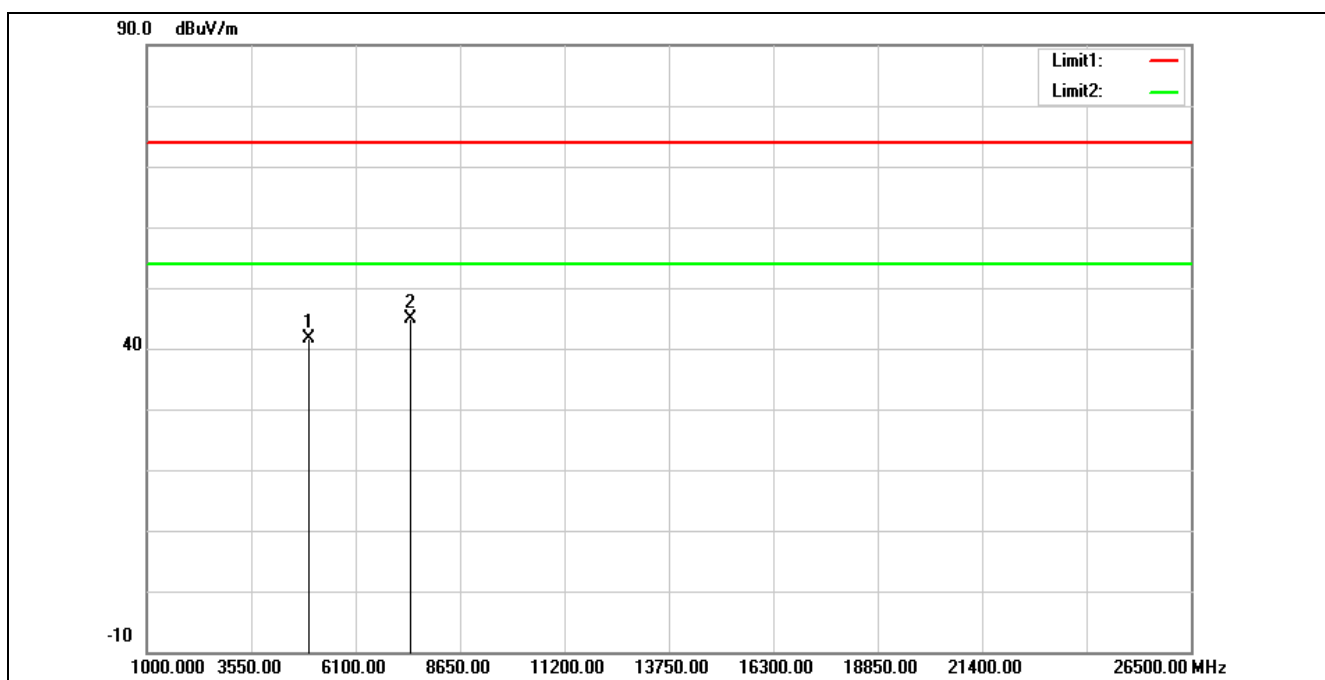
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	38.83	0.38	39.21	74.00	-34.79	peak
2*	7320.000	36.91	7.99	44.90	74.00	-29.10	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Mode 2_2440 MHz		
Remark:			



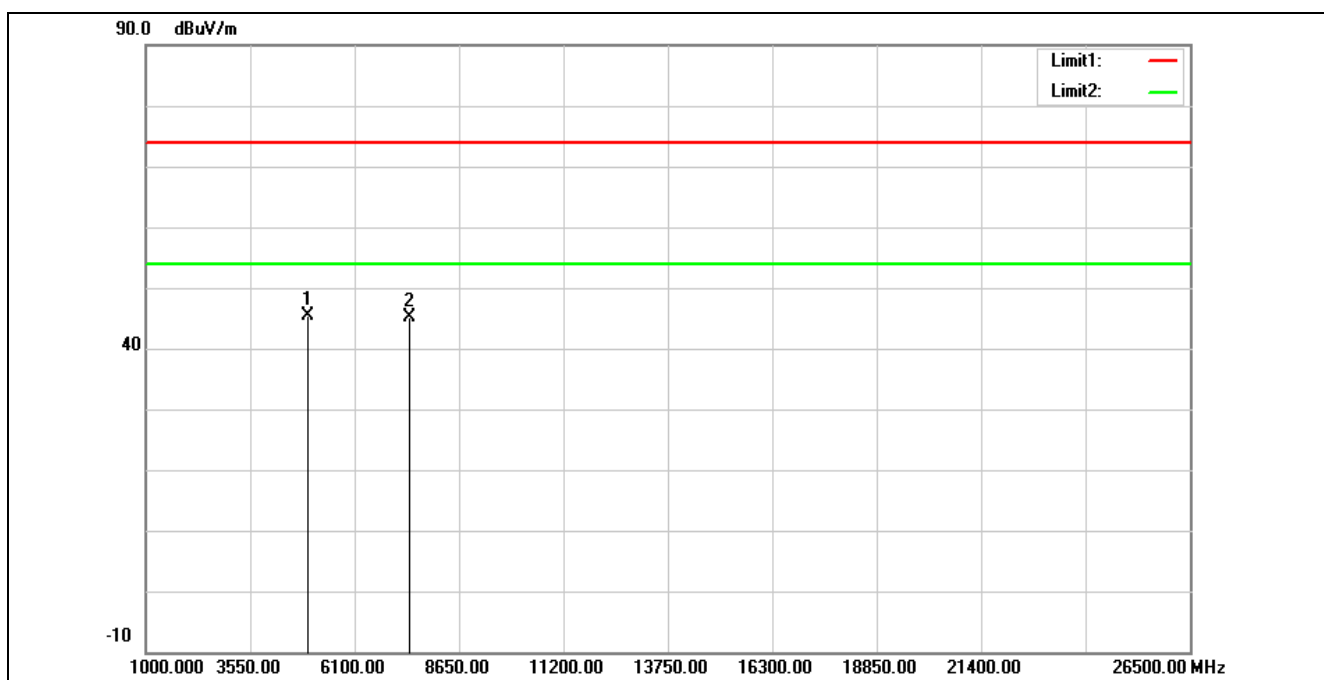
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	42.04	0.38	42.42	74.00	-31.58	peak
2*	7320.000	36.54	7.99	44.53	74.00	-29.47	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Mode 2_2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	41.08	0.57	41.65	74.00	-32.35	peak
2*	7440.000	36.44	8.34	44.78	74.00	-29.22	peak

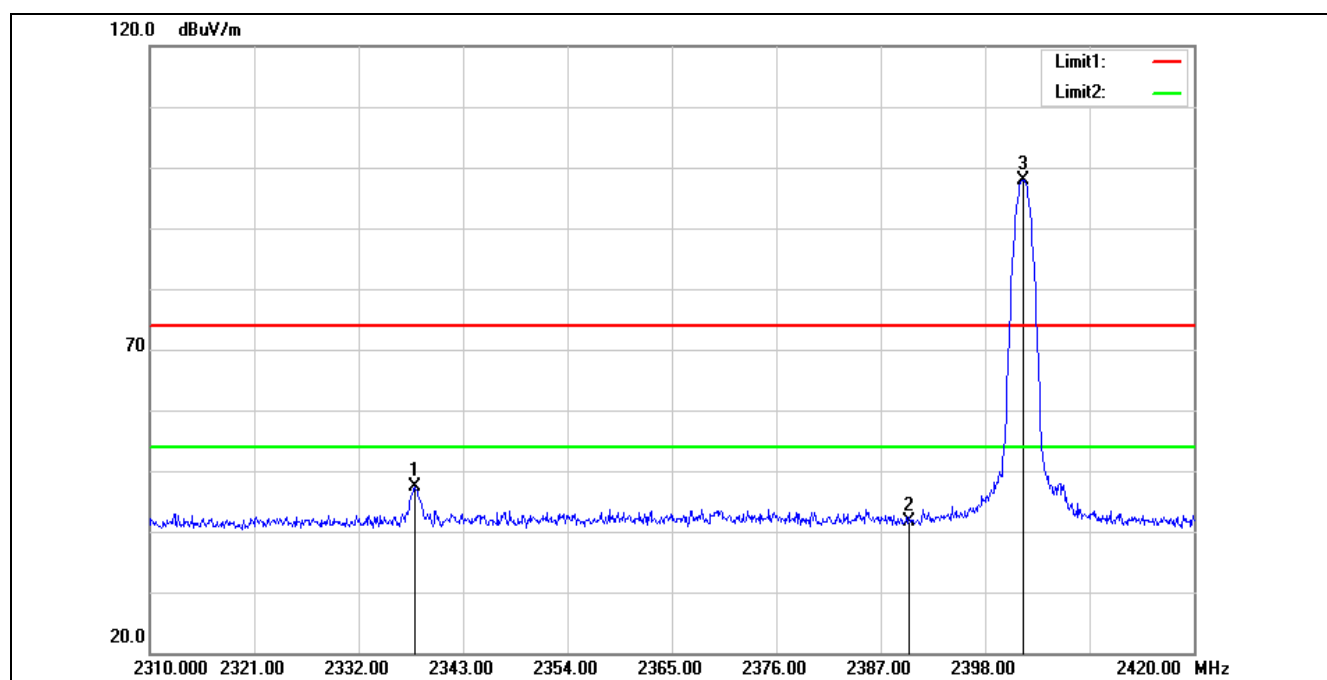
Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Mode 2_2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	4960.000	44.81	0.57	45.38	74.00	-28.62	peak
2	7440.000	36.79	8.34	45.13	74.00	-28.87	peak

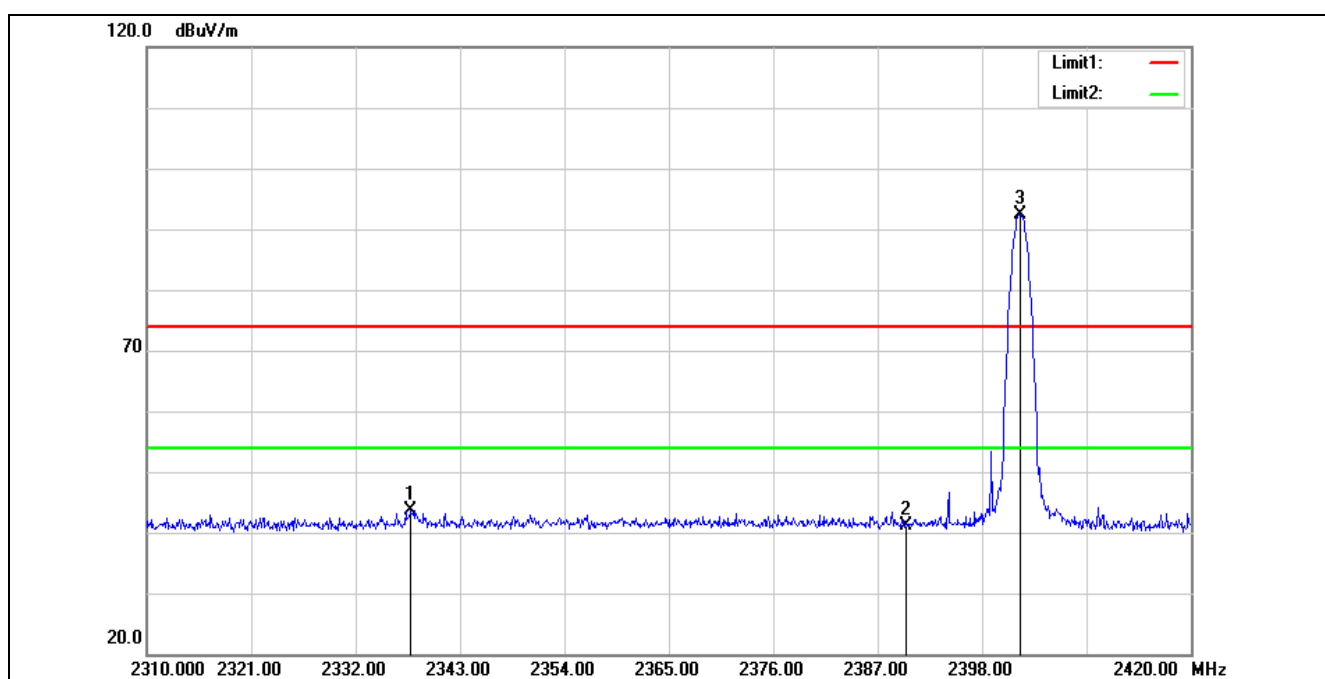
Band Edge

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Mode 2_2402 MHz		
Remark:			



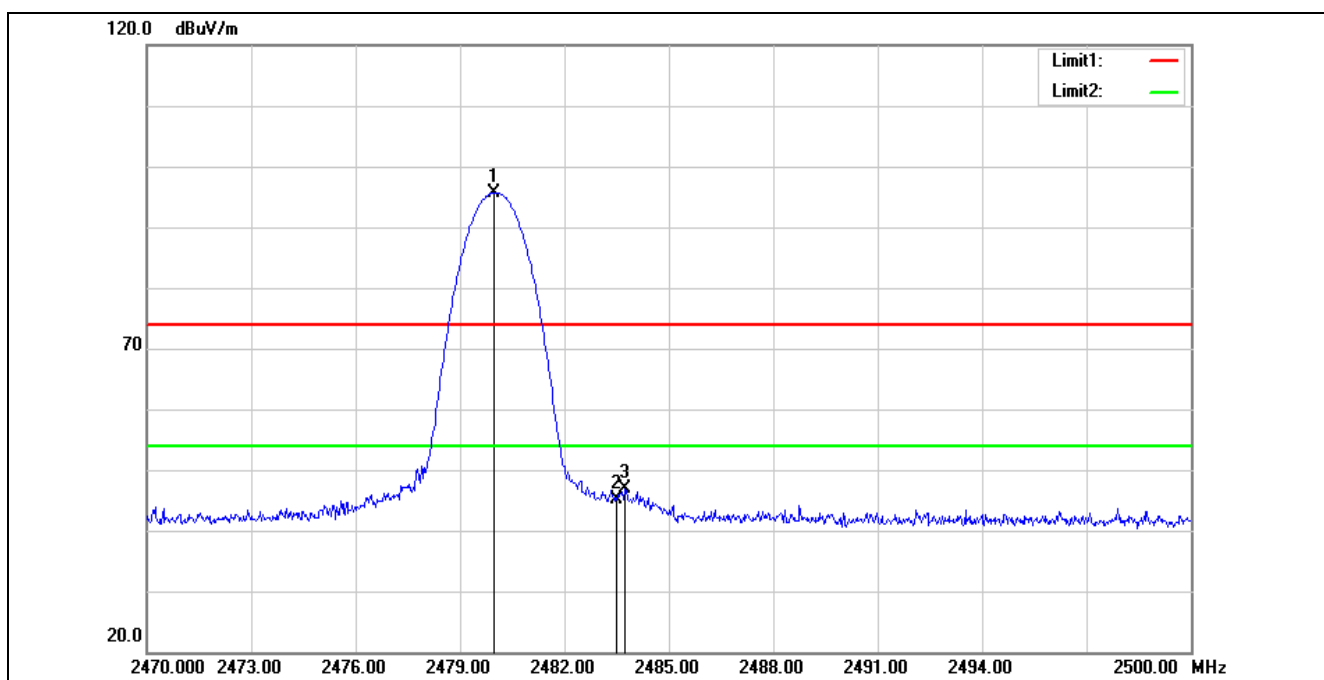
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2337.940	53.52	-6.03	47.49	74.00	-26.51	peak
2	2390.000	47.74	-6.19	41.55	74.00	-32.45	peak
3*	2401.960	104.17	-6.25	97.92	74.00	23.92	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Mode 2_2402 MHz		
Remark:			



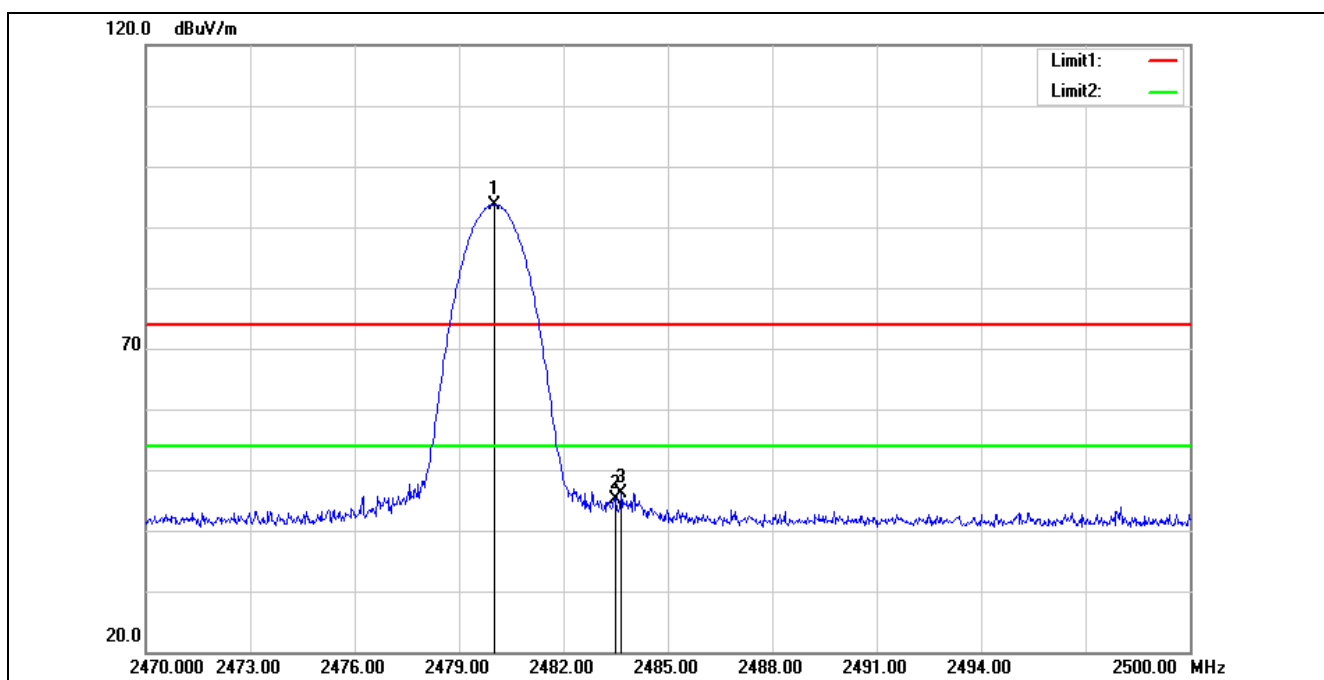
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2337.830	49.73	-6.03	43.70	74.00	-30.30	peak
2	2390.000	47.23	-6.19	41.04	74.00	-32.96	peak
3*	2401.960	98.69	-6.25	92.44	74.00	18.44	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Horizontal		
Test Mode:	Mode 2_2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2479.990	102.18	-6.46	95.72	74.00	21.72	peak
2	2483.500	51.58	-6.46	45.12	74.00	-28.88	peak
3	2483.740	53.32	-6.46	46.86	74.00	-27.14	peak

Standard:	FCC Part 15.247	Test Site:	966 Chamber
Polarization:	Vertical		
Test Mode:	Mode 2_2480 MHz		
Remark:			



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	2480.020	100.16	-6.46	93.70	74.00	19.70	peak
2	2483.500	51.57	-6.46	45.11	74.00	-28.89	peak
3	2483.650	52.62	-6.46	46.16	74.00	-27.84	peak

---END---