

FCC Part 15C Measurement and Test Report

For

Acrox Technologies Co., Ltd.

4F., No.89, Minshan St., Neihu Dist., Taipei City 114, Taiwan, R.O.C

FCC ID: PRDKB39

FCC Rule(s):	<u>FCC Part 15.249</u>
Product Description:	<u>Wireless Keyboard</u>
Tested Model:	<u>100009054/K3G</u>
Report No.:	<u>WTX19X11082861W</u>
Sample Receipt Date:	<u>2019-11-28</u>
Tested Date:	<u>2019-11-28 to 2019-12-06</u>
Issued Date:	<u>2019-12-06</u>
Tested By:	<u>Jack Huang / Engineer</u>
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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM Test Technology Co., Ltd.

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Report version

Version No.	Date of issue	Description
Rev.00	2019-12-06	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Acrox Technologies Co., Ltd.
Address of applicant: 4F., No.89, Minshan St., Neihu Dist., Taipei City 114, Taiwan, R.O.C

Manufacturer: Acrox Technologies Co., Ltd.
Address of manufacturer: Hsinmin Industria, Changan Town, Dongguan City, Guangdong, China

General Description of EUT	
Product Name:	Wireless Keyboard
Trade Name:	ONN/ACROX
Model No.:	100009054/K3G
Adding Model(s):	/
Rated Voltage:	DC 3V
Power Adapter Model:	/
Software Version:	V1.0
Hardware Version:	HTM2922A-K3G-V1.2
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	2402MHz-2480MHz
Max. Field Strength:	95.56 dBuV/m
Antenna Type:	PCB Antenna
Antenna Gain:	0.9dBi

➤ Center Frequency of Each of Channel:

Channel	Frequency (MHz)
01	2402
02	2404
⋮	⋮
20	2440
⋮	⋮
39	2478
40	2480

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.249: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which results in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Test Facility

Address of the test laboratory

Laboratory: Shenzhen SEM Test Technology Co., Ltd.

Address: 1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C. (518101)

FCC – Registration No.: 125990

Shenzhen SEM Test Technology Co., Ltd. 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. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	Low Channel	2402MHz
TM2	Middle Channel	2440MHz
TM3	High Channel	2480MHz

Test Conditions	
Temperature:	22~25 °C
Relative Humidity:	50~55 %.
ATM Pressure:	1019 mbar

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	Conducted	$\pm 0.42\text{dB}$
Occupied Bandwidth	Conducted	$\pm 1.5\%$
Conducted Spurious Emission	Conducted	$\pm 2.17\text{dB}$
Conducted Emissions	Conducted	9-150kHz $\pm 3.74\text{dB}$
		0.15-30MHz $\pm 3.34\text{dB}$
Transmitter Spurious Emissions	Radiated	30-200MHz $\pm 4.52\text{dB}$
		0.2-1GHz $\pm 5.56\text{dB}$
		1-6GHz $\pm 3.84\text{dB}$
		6-18GHz $\pm 3.92\text{dB}$

1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2019-04-30	2020-04-29
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2019-04-30	2020-04-29
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2019-04-30	2020-04-29
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2019-04-30	2020-04-29
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2019-04-30	2020-04-29
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2019-05-05	2021-05-04
SEMT-1042	Horn Antenna	ETS	3117	00086197	2019-05-05	2021-05-04
SEMT-1121	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170582	2019-05-05	2021-05-04
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2019-05-05	2021-05-04
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2019-04-30	2020-04-29
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2019-04-30	2020-04-29
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2019-04-30	2020-04-29
SEMT-1168	Pre-amplifier	Direction Systems Inc.	PAP-0126	14141-12838	2019-04-30	2020-04-29
SEMT-1169	Pre-amplifier	Direction Systems Inc.	PAP-2640	14145-14153	2019-04-30	2020-04-29
SEMT-1163	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2019-04-30	2020-04-29
SEMT-1170	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2019-05-05	2021-05-04
SEMT-1166	Power Limiter	Agilent	N9356B	MY45450376	2019-04-30	2020-04-29
SEMT-1048	RF Limiter	ATTEN	AT-BSF-2400~2500	/	2019-04-30	2020-04-29
SEMT-1076	RF Switcher	Top Precision	RCS03-A2	/	2019-04-30	2020-04-29
SEMT-C001	Cable	Zheng DI	LL142-07-07-10M(A)	/	2019-03-18	2020-03-17
SEMT-C002	Cable	Zheng DI	ZT40-2.92J-2.92J-6M	/	2019-03-18	2020-03-17
SEMT-C003	Cable	Zheng DI	ZT40-2.92J-2.92J-2.5M	/	2019-03-18	2020-03-17
SEMT-C004	Cable	Zheng DI	2M0RFC	/	2019-03-18	2020-03-17
SEMT-C005	Cable	Zheng DI	1M0RFC	/	2019-03-18	2020-03-17
SEMT-C006	Cable	Zheng DI	1M0RFC	/	2019-03-18	2020-03-17

Software List			
Description	Manufacturer	Model	Version
EMI Test Software (Radiated Emission)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission)*	Farad	EZ-EMC	RA-03A1

*Remark: indicates software version used in the compliance certification testing

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§15.203	Antenna Requirement	Compliant
§15.205	Restricted Band of Operation	Compliant
§15.207(a)	Conducted Emission	N/A
§15.209(a)(f)	Radiated Spurious Emissions	Compliant
§15.249(a)	Field Strength of Emissions	Compliant
§15.249(d)	Out of Band Emission	Compliant
§15.215(c)	Emission Bandwidth	Compliant

N/A: not applicable. The product is powered by a DC power and has no charging function.

3. Antenna Requirements

3.1 Standard Applicable

According to FCC Part 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Test Result

This product has a PCB antenna, fulfill the requirement of this section.

4. Radiated Emissions

4.1 Standard Applicable

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of Harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

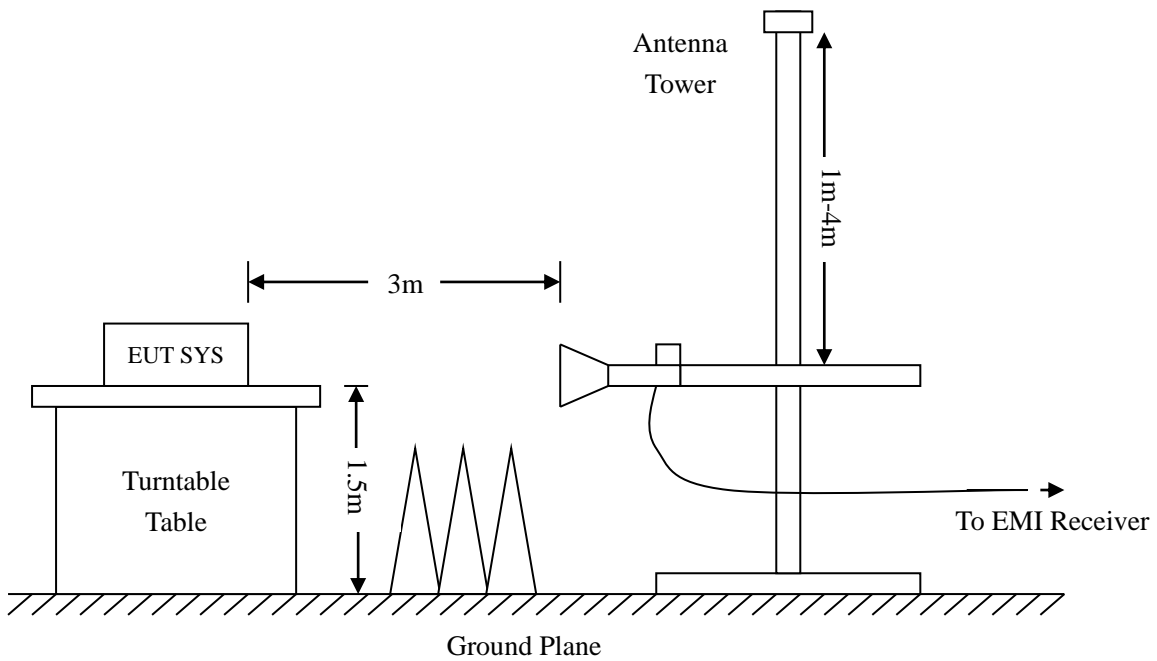
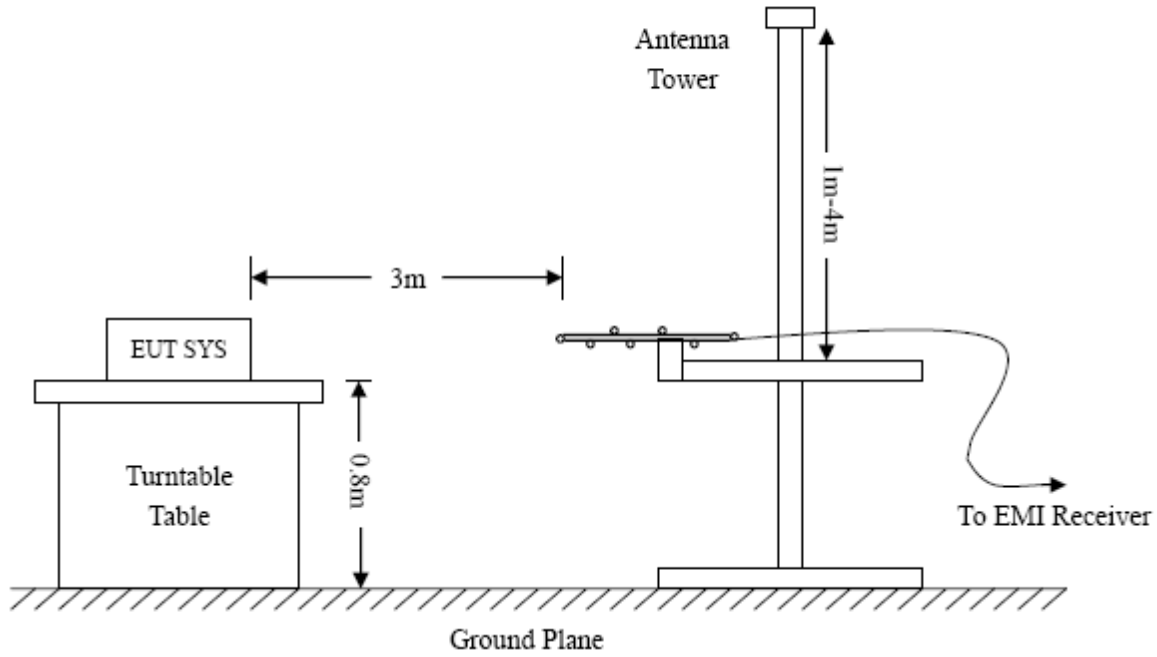
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

4.2 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.249(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.



Frequency :9kHz-30MHz
 RBW=10KHz,
 VBW =30KHz
 Sweep time= Auto
 Trace = max hold
 Detector function = peak

Frequency :30MHz-1GHz
 RBW=120KHz,
 VBW=300KHz
 Sweep time= Auto
 Trace = max hold
 Detector function = peak, QP

Frequency :Above 1GHz
 RBW=1MHz,
 VBW=3MHz(Peak), 10Hz(AV)
 Sweep time= Auto
 Trace = max hold
 Detector function = peak, AV

4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of $-6\text{dB}\mu\text{V}$ means the emission is $6\text{dB}\mu\text{V}$ below the maximum limit. The equation for margin calculation is as follows:

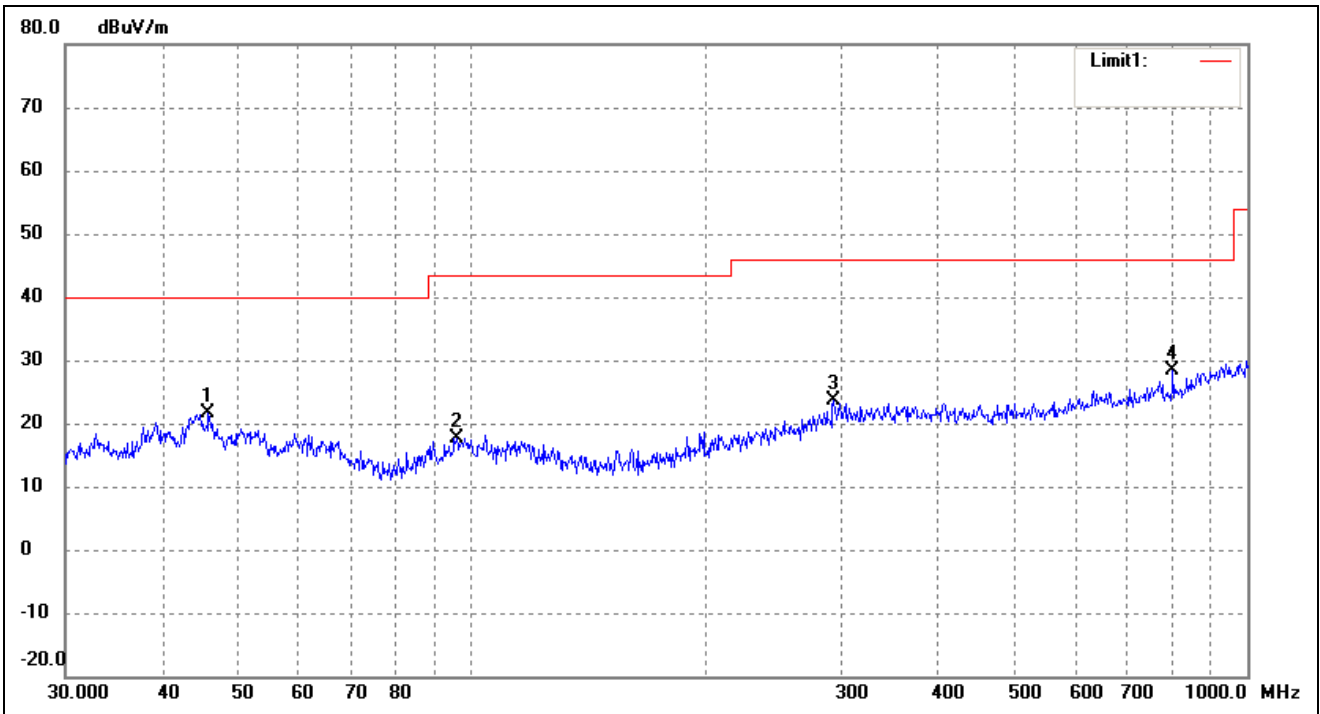
$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15C Limit}$$

4.4 Summary of Test Results/Plots

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

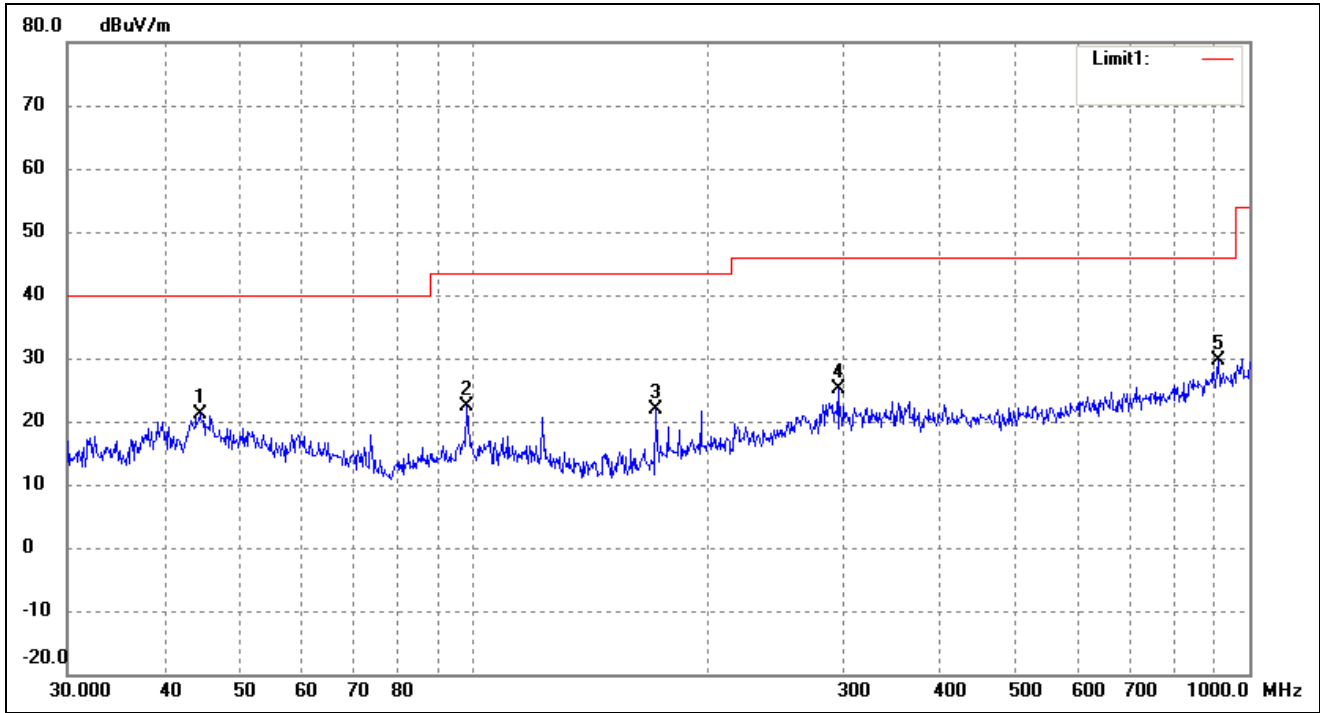
➤ Spurious Emissions Below 1GHz

Test Channel	Low	Polarity:	Horizontal
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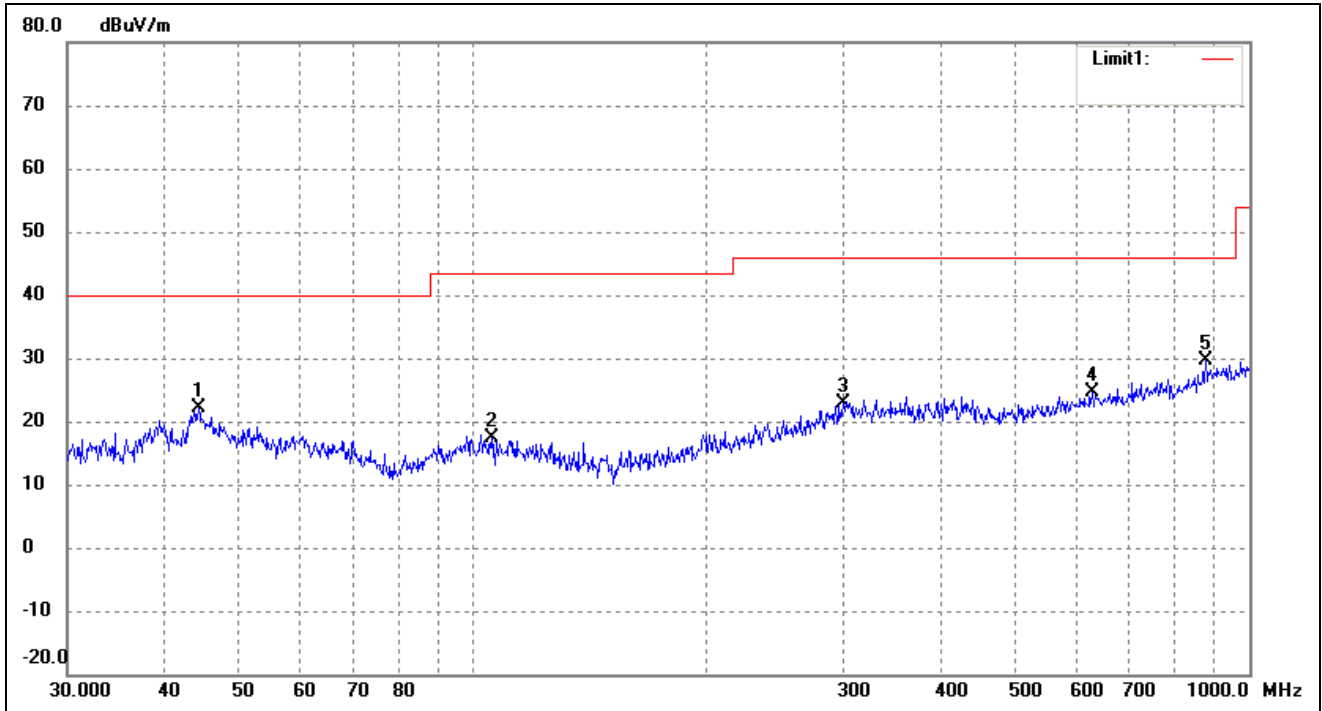
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	45.8553	35.51	-13.88	21.63	40.00	-18.37	204	100	peak
2	95.7622	33.51	-15.77	17.74	43.50	-25.76	205	100	peak
3	293.0842	32.14	-8.42	23.72	46.00	-22.28	68	100	peak
4	801.7863	32.79	-4.38	28.41	46.00	-17.59	300	100	peak

Test Channel	Low	Polarity:	Vertical
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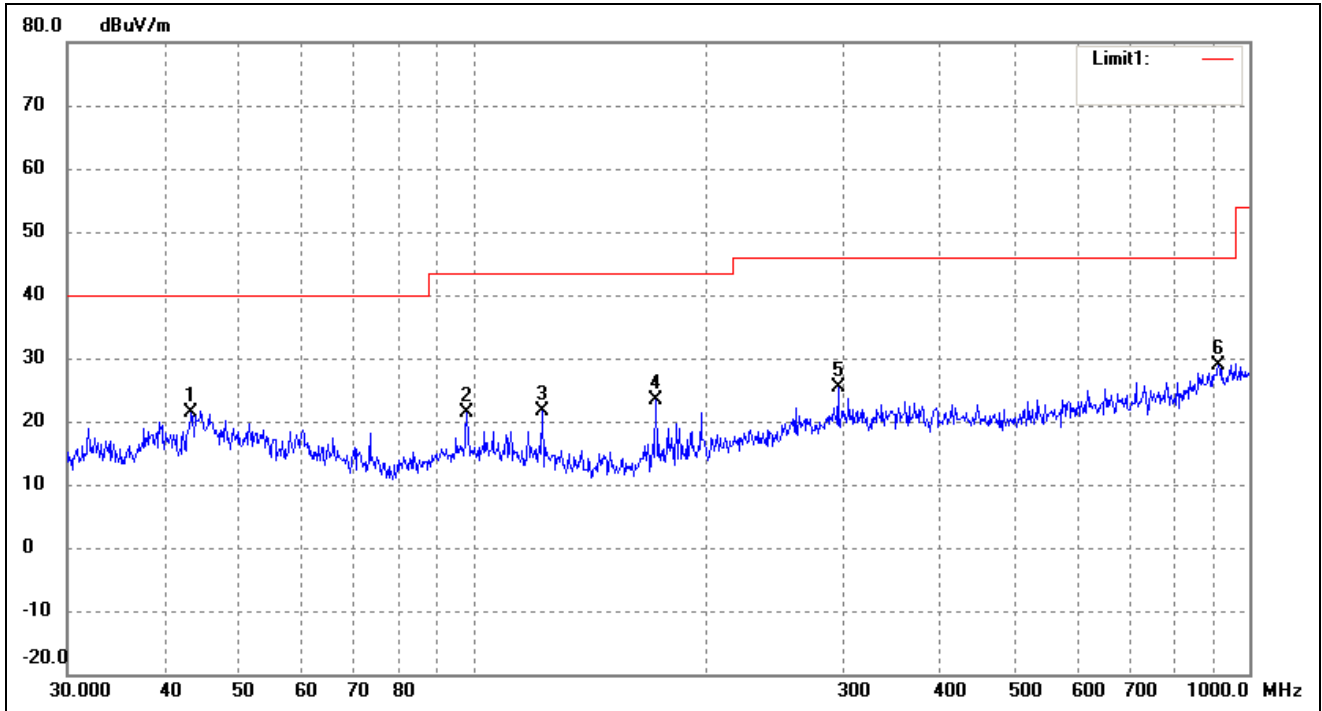
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.4308	35.15	-13.96	21.19	40.00	-18.81	63	100	peak
2	98.1419	37.72	-15.29	22.43	43.50	-21.07	191	100	peak
3	171.9946	37.47	-15.51	21.96	43.50	-21.54	53	100	peak
4	295.1469	33.29	-8.24	25.05	46.00	-20.95	121	100	peak
5	912.8620	30.54	-0.99	29.55	46.00	-16.45	158	100	peak

Test Channel	Middle	Polarity:	Horizontal
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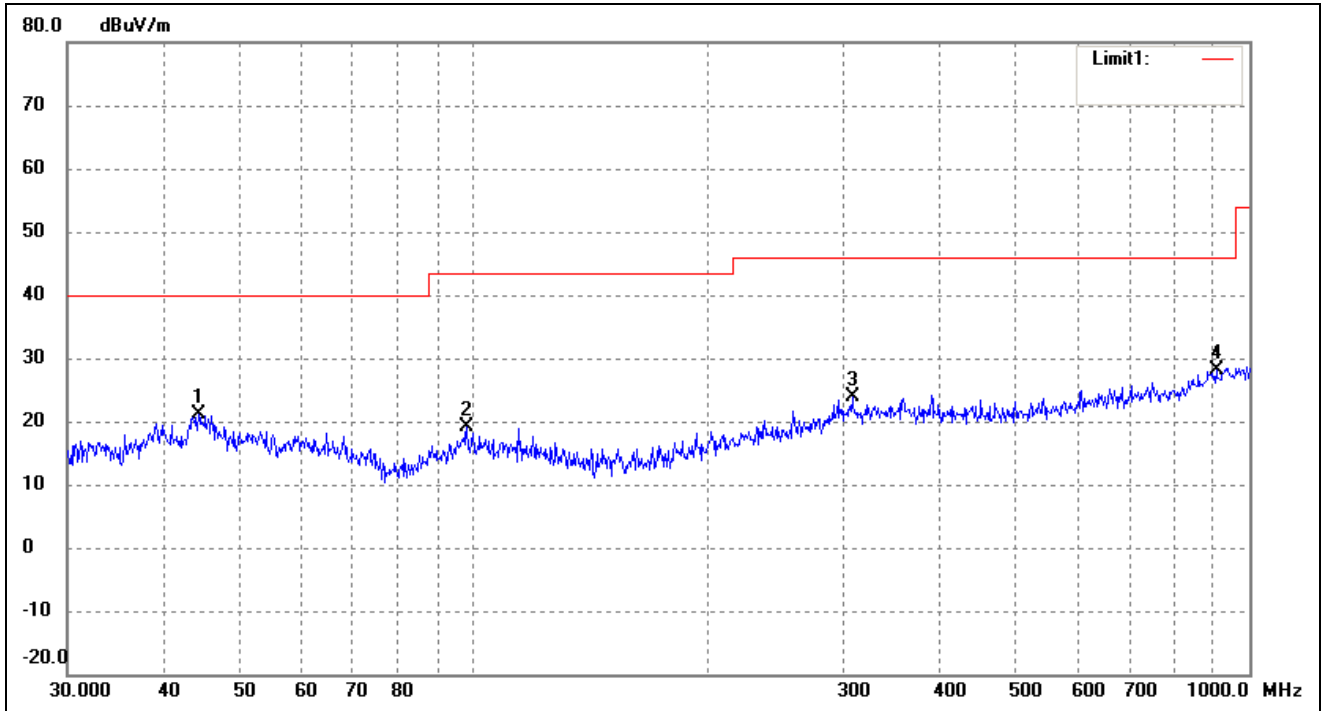
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.2752	36.12	-13.97	22.15	40.00	-17.85	239	100	peak
2	105.6415	32.29	-14.84	17.45	43.50	-26.05	318	100	peak
3	299.3158	30.68	-7.87	22.81	46.00	-23.19	79	100	peak
4	627.2738	30.29	-5.77	24.52	46.00	-21.48	218	100	peak
5	878.3214	31.79	-2.18	29.61	46.00	-16.39	123	100	peak

Test Channel	Middle	Polarity:	Vertical
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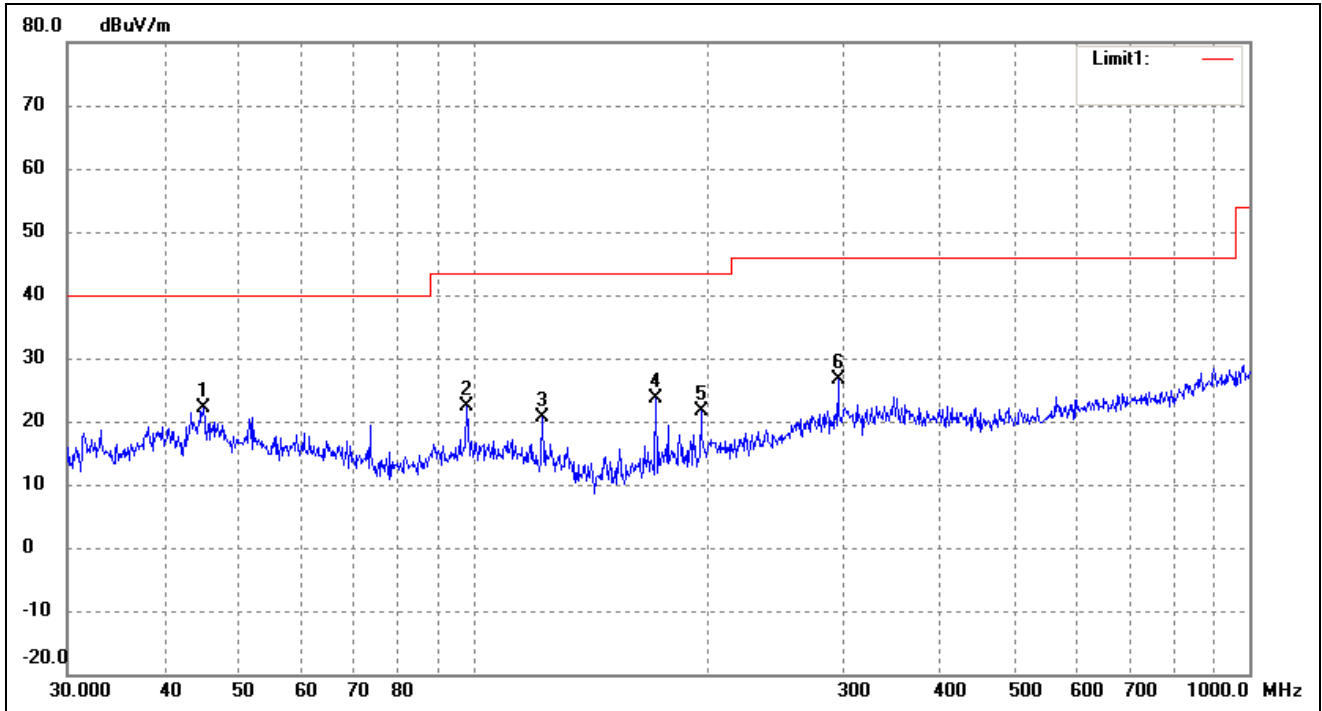
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.3534	35.30	-14.01	21.29	40.00	-18.71	359	100	peak
2	98.1419	36.63	-15.29	21.34	43.50	-22.16	91	100	peak
3	122.8340	38.02	-16.34	21.68	43.50	-21.82	337	100	peak
4	171.9946	38.89	-15.51	23.38	43.50	-20.12	92	100	peak
5	295.1469	33.71	-8.24	25.47	46.00	-20.53	351	100	peak
6	912.8620	29.75	-0.99	28.76	46.00	-17.24	145	100	peak

Test Channel	High	Polarity:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.2752	35.21	-13.97	21.24	40.00	-18.76	207	100	peak
2	98.1419	34.36	-15.29	19.07	43.50	-24.43	90	100	peak
3	307.8313	31.91	-8.02	23.89	46.00	-22.11	174	100	peak
4	906.4824	29.11	-1.10	28.01	46.00	-17.99	95	100	peak

Test Channel	High	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.9006	36.17	-13.94	22.23	40.00	-17.77	286	100	peak
2	98.1419	37.57	-15.29	22.28	43.50	-21.22	127	100	peak
3	122.8340	37.00	-16.34	20.66	43.50	-22.84	79	100	peak
4	171.9946	39.23	-15.51	23.72	43.50	-19.78	337	100	peak
5	196.5098	34.54	-12.96	21.58	43.50	-21.92	344	100	peak
6	295.1469	34.81	-8.24	26.57	46.00	-19.43	111	100	peak

Spurious Emissions Above 1GHz

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2402MHz							
2402.00	99.15	-3.59	95.56	114.00	-18.44	H	PK
2402.00	80.75	-3.59	77.16	94.00	-16.84	H	AV
4804.00	50.14	-3.59	46.55	74.00	-27.45	H	PK
4804.00	43.85	-3.59	40.26	54.00	-13.74	H	AV
7206.00	46.84	-0.52	46.32	74.00	-27.68	H	PK
7206.00	45.78	-0.52	45.26	54.00	-8.74	H	AV
2402.00	93.04	-3.59	89.45	114.00	-24.55	V	PK
2402.00	74.24	-3.59	70.65	94.00	-23.35	V	AV
4804.00	49.82	-3.59	46.23	74.00	-27.77	V	PK
4804.00	45.94	-3.59	42.35	54.00	-11.65	V	AV
7206.00	50.08	-0.52	49.56	74.00	-24.44	V	PK
7206.00	45.78	-0.52	45.26	54.00	-8.74	V	AV
Middle Channel-2440MHz							
2440.00	99.03	-3.59	95.44	114.00	-18.56	H	PK
2440.00	80.13	-3.59	76.54	94.00	-17.46	H	AV
4880.00	50.04	-3.49	46.55	74.00	-27.45	H	PK
4880.00	43.93	-3.49	40.44	54.00	-13.56	H	AV
7320.00	51.58	-0.47	51.11	74.00	-22.89	H	PK
7320.00	41.02	-0.47	40.55	54.00	-13.45	H	AV
2440.00	92.14	-3.59	88.55	114.00	-25.45	V	PK
2440.00	82.15	-3.59	78.56	94.00	-15.44	V	AV
4880.00	49.93	-3.49	46.44	74.00	-27.56	V	PK
4880.00	42.93	-3.49	39.44	54.00	-14.56	V	AV
7320.00	55.91	-0.47	55.44	74.00	-18.56	V	PK
7320.00	40.91	-0.47	40.44	54.00	-13.56	V	AV

Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polar H/V	Detector
High Channel-2480MHz							
2480.00	93.56	-3.59	89.97	114.00	-24.03	H	PK
2480.00	70.7	-3.59	67.11	94.00	-26.89	H	AV
4960.00	60.18	-3.41	56.77	74.00	-17.23	H	PK
4960.00	44.85	-3.41	41.44	54.00	-12.56	H	AV
7440.00	55.86	-0.42	55.44	74.00	-18.56	H	PK
7440.00	43.96	-0.42	43.54	54.00	-10.46	H	AV
2480.00	94.70	-3.59	91.11	114.00	-22.89	V	PK
2480.00	73.03	-3.59	69.44	94.00	-24.56	V	AV
4960.00	59.52	-3.41	56.11	74.00	-17.89	V	PK
4960.00	52.85	-3.41	49.44	54.00	-4.56	V	AV
7440.00	45.89	-0.42	45.47	74.00	-28.53	V	PK
7440.00	41.87	-0.42	41.45	54.00	-12.55	V	AV

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 5th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

The measurements greater than 20dB below the limit from 9kHz to 30MHz..

5. Out of Band Emissions

5.1 Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

5.2 Test Procedure

As the radiation test, set the Lowest and Highest Transmitting Channel, observed the outside band of 2400MHz to 2483.5MHz, than mark the higher-level emission for comparing with the FCC rules.

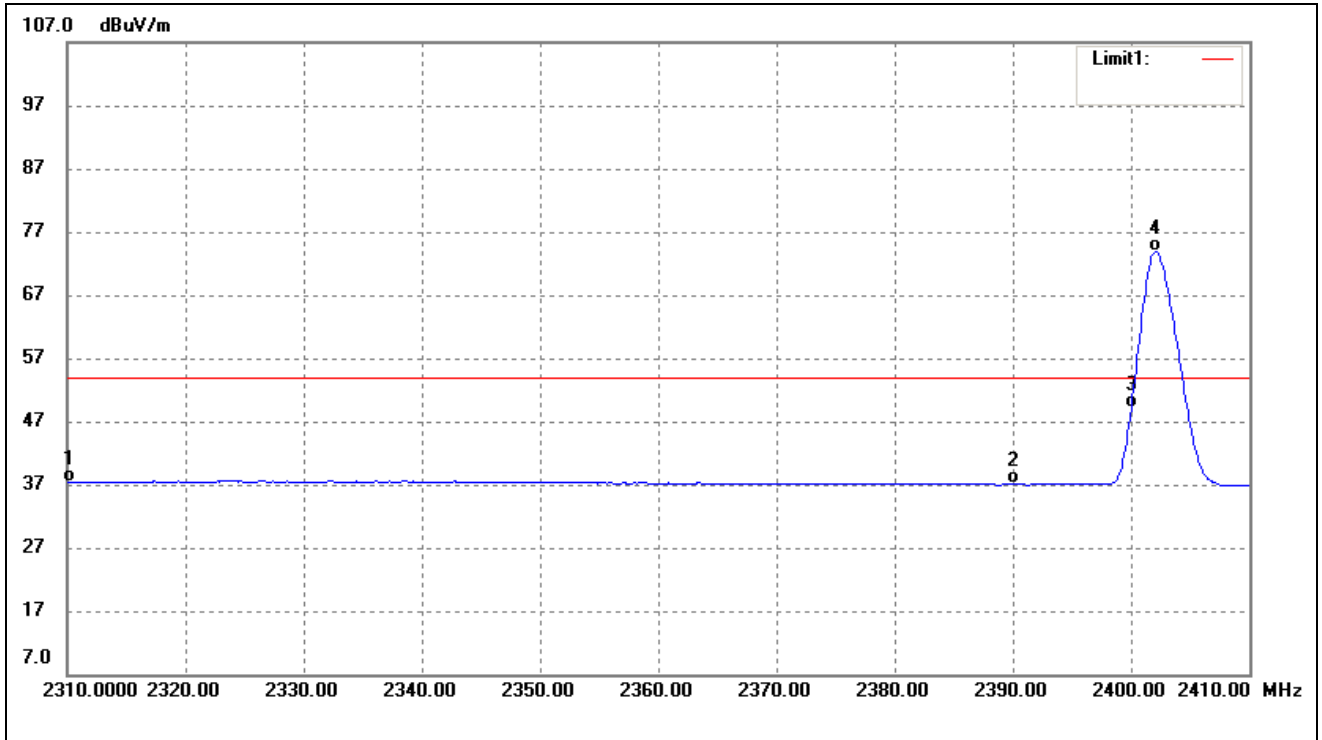
5.3 Summary of Test Results/Plots

Test mode	Frequency	Limit	Result
	MHz	dBuV / dBc	
Lowest	2310.00	<54 dBuV	Pass
	2390.00	<54 dBuV	Pass
	2400.00	<54 dBuV	Pass
Highest	2483.50	<54 dBuV	Pass
	2500.00	<54 dBuV	Pass

The edge emissions are below the FCC 15.209 Limits or complies with the 15.249 requirements.

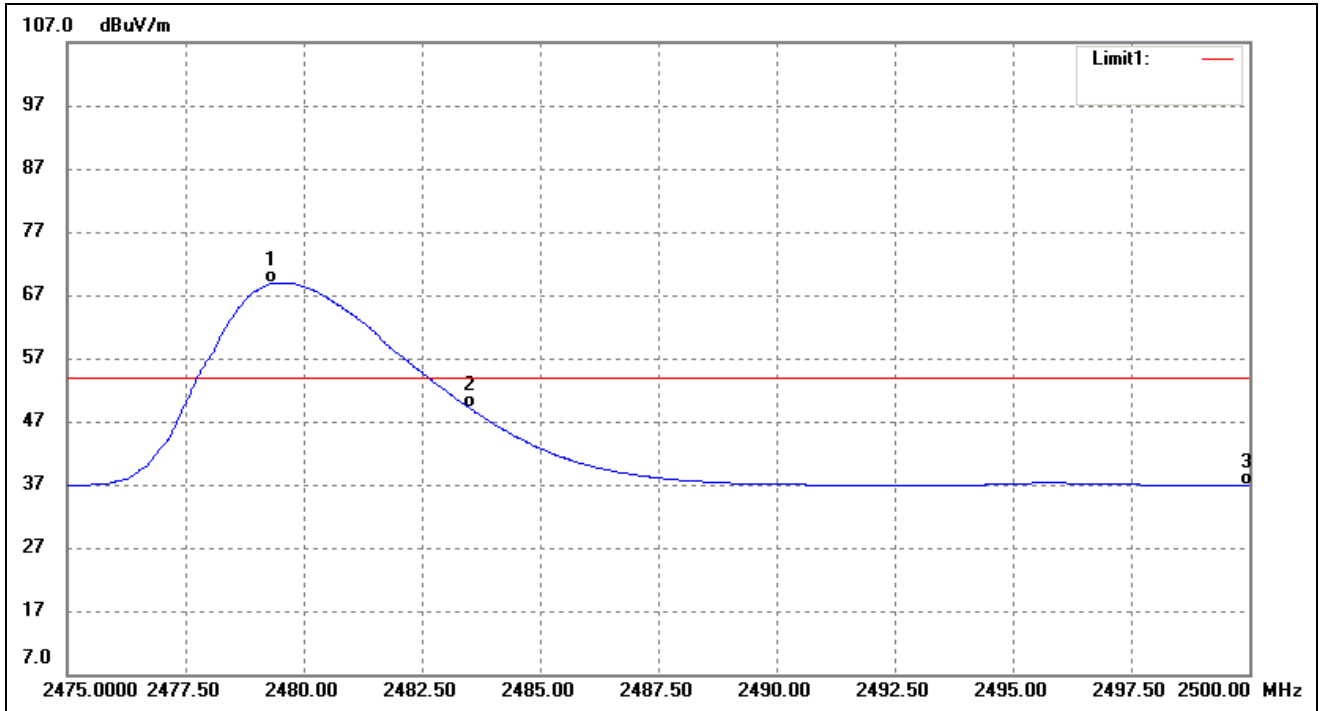
Please refer to the test plots as below.

Test Channel	Low	Polarity:	Horizontal (worst case)
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	47.10	-9.66	37.44	54.00	-16.56	Ave Detector
	2310.000	58.68	-9.66	49.02	74.00	-24.98	Peak Detector
2	2390.000	46.60	-9.50	37.10	54.00	-16.90	Ave Detector
	2390.000	57.91	-9.50	48.41	74.00	-25.59	Peak Detector
3	2400.000	58.62	-9.48	49.14	54.00	-4.86	Ave Detector
	2400.000	75.32	-9.48	65.84	74.00	-8.16	Peak Detector
4	2402.100	83.35	-9.47	73.88	/	/	Ave Detector
	2402.000	100.93	-9.47	91.46	/	/	Peak Detector

Test Channel	High	Polarity:	Horizontal (worst case)
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.325	78.30	-9.32	68.98	/	/	Ave Detector
	2480.000	96.57	-9.32	87.25	/	/	Peak Detector
2	2483.500	58.50	-9.31	49.19	54.00	-4.81	Ave Detector
	2483.500	61.20	-9.31	51.89	74.00	-22.11	Peak Detector
3	2500.000	46.16	-9.28	36.88	54.00	-17.12	Ave Detector
	2500.000	58.50	-9.28	49.22	74.00	-24.78	Peak Detector

6. Emission Bandwidth

6.1 Standard Applicable

According to 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

6.2 Test Procedure

According to the ANSI 63.10-2013, the emission bandwidth test method as follows.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set span = 1MHz, centered on a transmitting channel

RBW \geq 1% 20dB Bandwidth, VBW \geq RBW

Sweep = auto

Detector function = peak

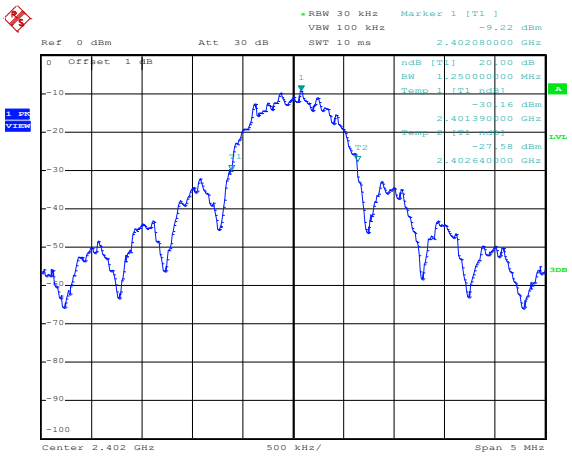
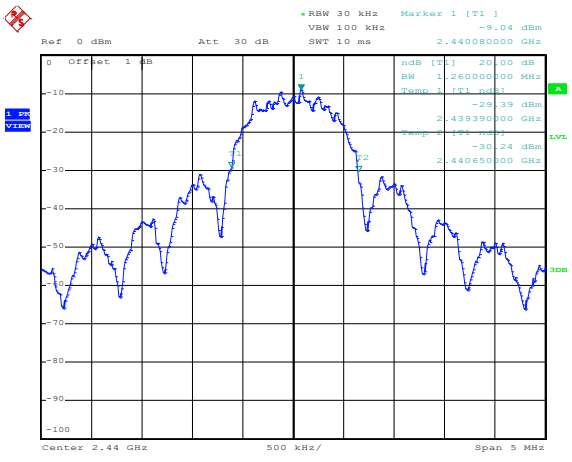
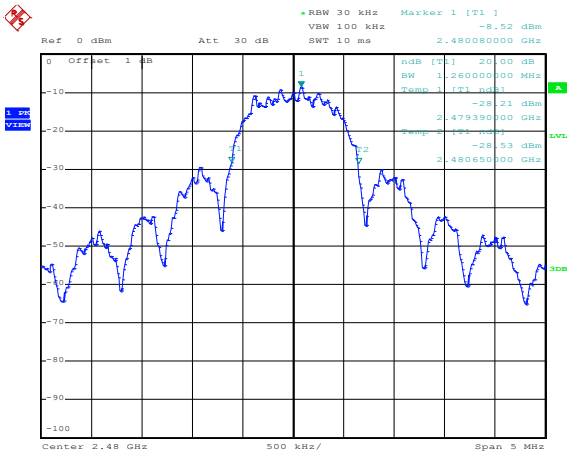
Trace = max hold

All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.

6.3 Summary of Test Results/Plots

Test Channel	20dB Bandwidth(kHz)
Low Channel	1250
Middle Channel	1260
High Channel	1260

Please refer to the following test plots

<p>Low Channel</p>	 <p>Ref 0 dBm Att 30 dB RBW 30 kHz Marker 1 [T1] -9.22 dBm VBW 100 kHz Center 2.40208000 GHz SWT 10 ms</p> <table border="1"> <thead> <tr> <th>Offset</th> <th>dB</th> <th>ndB [T1]</th> <th>20.00 dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BW</td> <td>1.25000000 MHz</td> </tr> <tr> <td>1</td> <td></td> <td>Temp</td> <td>1 [T1] ndB</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-29.16 dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2.401390000 GHz</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-27.58 dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2.402640000 GHz</td> </tr> </tbody> </table> <p>Center 2.402 GHz 500 kHz/ Span 5 MHz</p> <p>Date: 5.DEC.2019 11:59:11</p>	Offset	dB	ndB [T1]	20.00 dB	1		BW	1.25000000 MHz	1		Temp	1 [T1] ndB				-29.16 dBm				2.401390000 GHz				-27.58 dBm				2.402640000 GHz
Offset	dB	ndB [T1]	20.00 dB																										
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			2.401390000 GHz																										
			-27.58 dBm																										
			2.402640000 GHz																										
<p>Middle Channel</p>	 <p>Ref 0 dBm Att 30 dB RBW 30 kHz Marker 1 [T1] -9.04 dBm VBW 100 kHz Center 2.44000000 GHz SWT 10 ms</p> <table border="1"> <thead> <tr> <th>Offset</th> <th>dB</th> <th>ndB [T1]</th> <th>20.00 dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BW</td> <td>1.26000000 MHz</td> </tr> <tr> <td>1</td> <td></td> <td>Temp</td> <td>1 [T1] ndB</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-29.39 dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2.439390000 GHz</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-30.24 dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2.440650000 GHz</td> </tr> </tbody> </table> <p>Center 2.44 GHz 500 kHz/ Span 5 MHz</p> <p>Date: 5.DEC.2019 12:00:17</p>	Offset	dB	ndB [T1]	20.00 dB	1		BW	1.26000000 MHz	1		Temp	1 [T1] ndB				-29.39 dBm				2.439390000 GHz				-30.24 dBm				2.440650000 GHz
Offset	dB	ndB [T1]	20.00 dB																										
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1		Temp	1 [T1] ndB																										
			-29.39 dBm																										
			2.439390000 GHz																										
			-30.24 dBm																										
			2.440650000 GHz																										
<p>High Channel</p>	 <p>Ref 0 dBm Att 30 dB RBW 30 kHz Marker 1 [T1] -8.52 dBm VBW 100 kHz Center 2.48000000 GHz SWT 10 ms</p> <table border="1"> <thead> <tr> <th>Offset</th> <th>dB</th> <th>ndB [T1]</th> <th>20.00 dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BW</td> <td>1.26000000 MHz</td> </tr> <tr> <td>1</td> <td></td> <td>Temp</td> <td>1 [T1] ndB</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-28.21 dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2.479390000 GHz</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-28.53 dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2.480650000 GHz</td> </tr> </tbody> </table> <p>Center 2.48 GHz 500 kHz/ Span 5 MHz</p> <p>Date: 5.DEC.2019 12:01:31</p>	Offset	dB	ndB [T1]	20.00 dB	1		BW	1.26000000 MHz	1		Temp	1 [T1] ndB				-28.21 dBm				2.479390000 GHz				-28.53 dBm				2.480650000 GHz
Offset	dB	ndB [T1]	20.00 dB																										
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**** END OF REPORT ****