

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: PRDRX0N

FCC Rule(s):	<u>FCC Part 15.249</u>
Product Description:	<u>USB Receiver</u>
Tested Model:	<u>MQL</u>
Report No.:	<u>STR18118323I</u>
Sample Receipt Date:	<u>2018-11-26</u>
Tested Date:	<u>2018-11-27 to 2018-12-04</u>
Issued Date:	<u>2018-12-04</u>
Tested By:	<u>Ray Yang / Engineer</u>
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Prepared By:	





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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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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:	USB Receiver
Trade Name:	ACROX
Model No.:	MQL
Adding Model(s):	/
Rated Voltage:	DC 5V
Power Adapter Model:	/
Note: The test data is gathered from a production sample, provided by the manufacturer.	

Technical Characteristics of EUT	
Frequency Range:	2404MHz-2478MHz
Max. Field Strength:	76.71dBuV/m
Modulation:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi

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

FCC – Registration No.: 125990

Shenzhen SEM Test Technology Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). 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	2404MHz
TM2	Middle Channel	2441MHz
TM3	High Channel	2478MHz

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	±0.42dB
Occupied Bandwidth	Conducted	±1.5%
Conducted Spurious Emission	Conducted	±2.17dB
Conducted Emissions	Conducted	9-150kHz ±3.74dB
		0.15-30MHz ±3.34dB
Transmitter Spurious Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB

1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2018-05-22	2019-05-21
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2018-05-22	2019-05-21
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2018-05-22	2019-05-21
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2018-05-22	2019-05-21
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2018-05-22	2019-05-21
SEMT-1011	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2017-06-08	2020-06-07
SEMT-1042	Horn Antenna	ETS	3117	00086197	2017-06-08	2020-06-07
SEMT-1121	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170582	2017-06-08	2020-06-07
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2017-06-08	2020-06-07
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2018-05-22	2019-05-21
SEMT-1003	L.I.S.N	Schwarz beck	NSLK8126	8126-224	2018-05-22	2019-05-21
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2018-05-22	2019-05-21
SEMT-1168	Pre-amplifier	Direction Systems Inc.	PAP-0126	14141-12838	2018-05-22	2019-05-21
SEMT-1169	Pre-amplifier	Direction Systems Inc.	PAP-2640	14145-14153	2018-05-22	2019-05-21
SEMT-1163	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2018-05-22	2019-05-21
SEMT-1170	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2018-03-19	2021-03-18
SEMT-1166	Power Limiter	Agilent	N9356B	MY45450376	2018-05-22	2019-05-21
SEMT-1048	RF Limiter	ATTEN	AT-BSF-2400~2500	/	2018-05-22	2019-05-21
SEMT-1076	RF Switcher	Top Precision	RCS03-A2	/	2018-05-22	2019-05-21
SEMT-C001	Cable	Zheng DI	LL142-07-07-10M(A)	/	2018-03-19	2019-03-18
SEMT-C002	Cable	Zheng DI	ZT40-2.92J-2.92J-6M	/	2018-03-19	2019-03-18
SEMT-C003	Cable	Zheng DI	ZT40-2.92J-2.92J-2.5M	/	2018-03-19	2019-03-18
SEMT-C004	Cable	Zheng DI	2M0RFC	/	2018-03-19	2019-03-18
SEMT-C005	Cable	Zheng DI	1M0RFC	/	2018-03-19	2019-03-18
SEMT-C006	Cable	Zheng DI	1M0RFC	/	2018-03-19	2019-03-18

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	Compliant
§ 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 application

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.

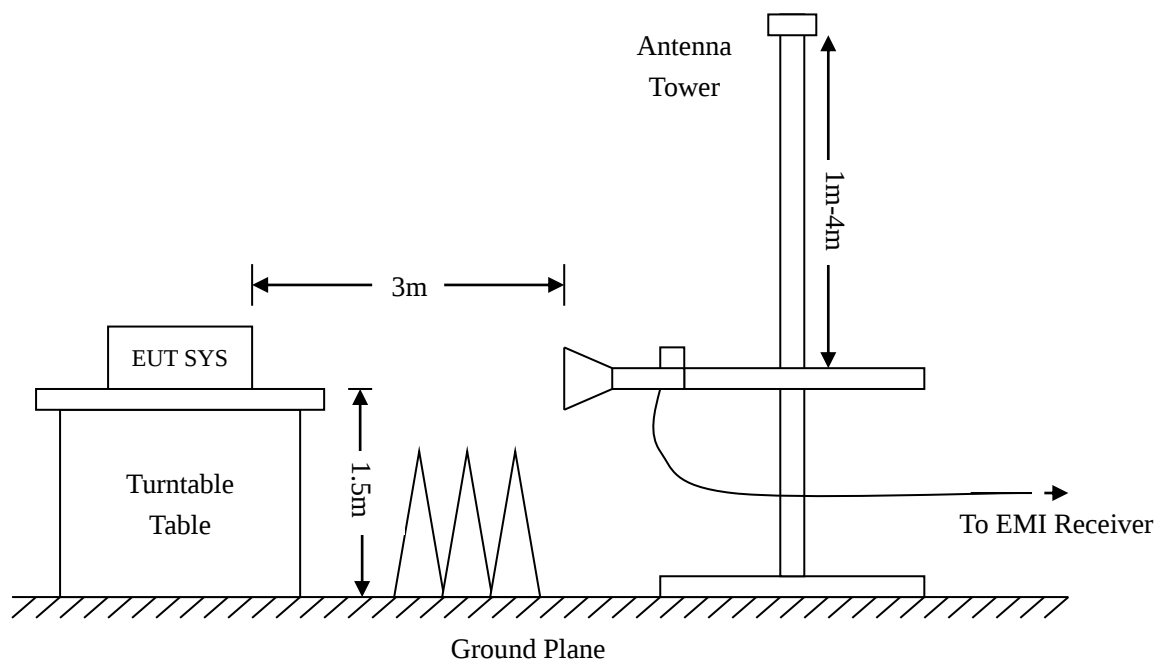
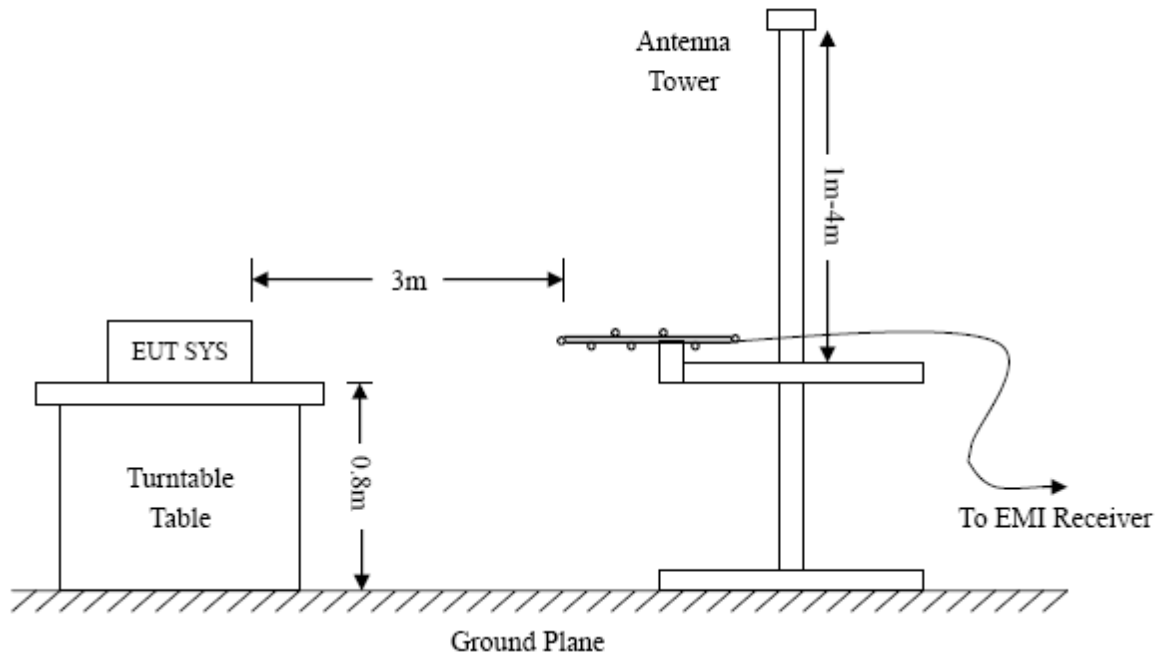
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

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 -6dB μ V means the emission is 6dB μ V below the maximum limit. The equation for margin calculation is as follows:

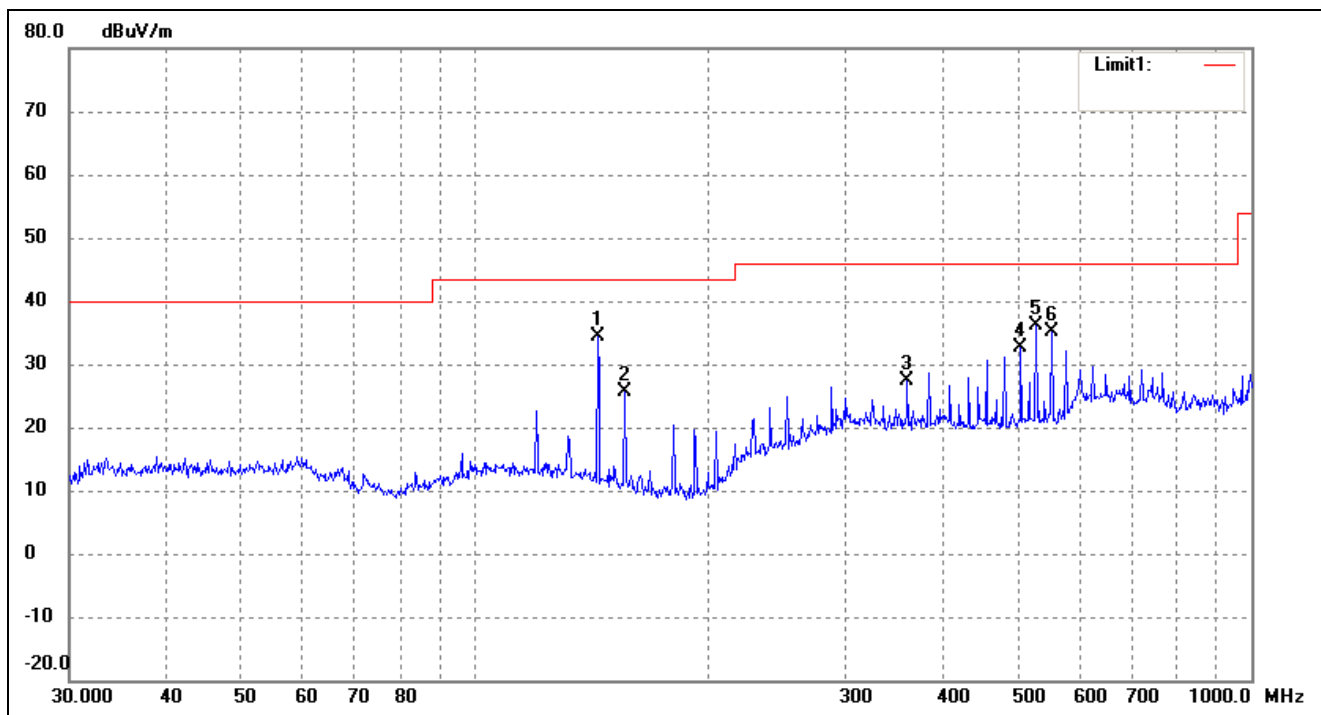
$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15C Limit}$$

4.4 Summary of Test Results/Plots

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

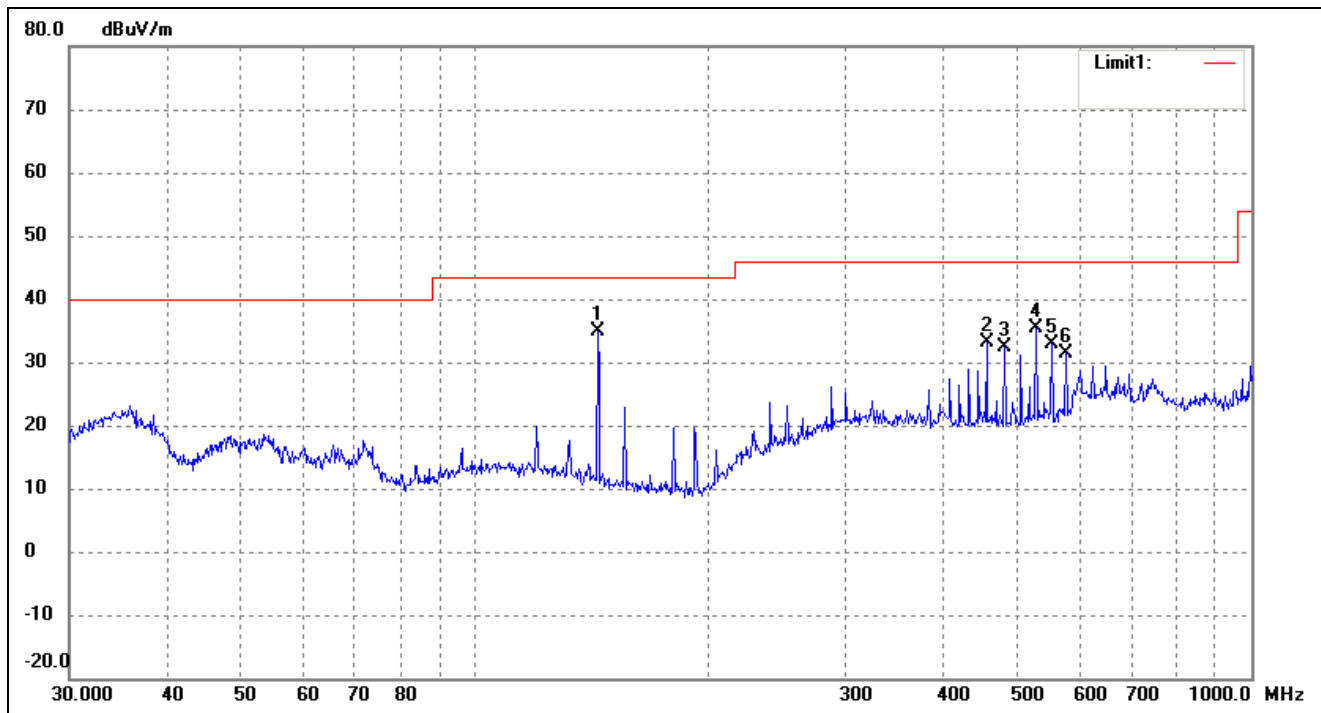
➤ Spurious Emissions Below 1GHz

Test Channel	Low	Polarity:	Horizontal
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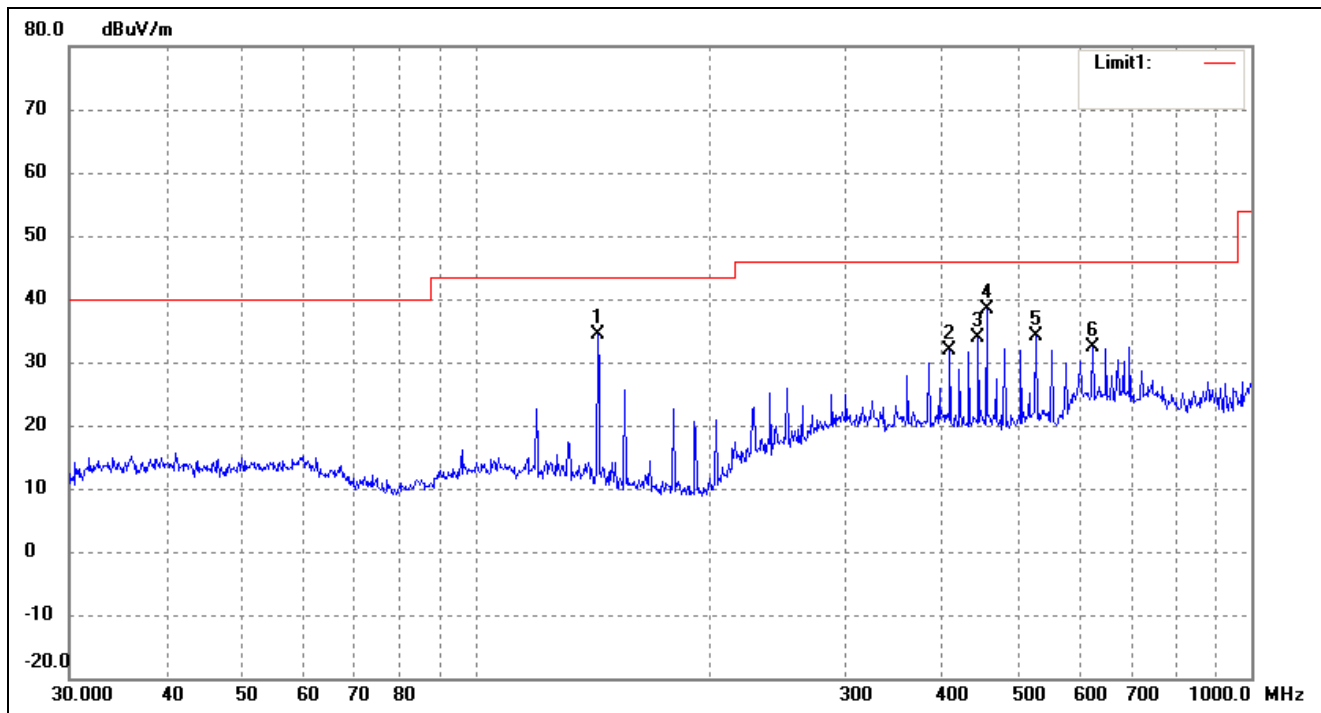
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.8295	53.59	-19.22	34.37	43.50	-9.13	173	100	peak
2	155.9101	45.31	-19.59	25.72	43.50	-17.78	189	100	peak
3	360.4477	35.75	-8.26	27.49	46.00	-18.51	81	100	peak
4	504.7062	40.28	-7.60	32.68	46.00	-13.32	285	100	peak
5	528.2458	43.32	-7.29	36.03	46.00	-9.97	102	100	peak
6	552.8833	42.27	-7.25	35.02	46.00	-10.98	182	100	peak

Test Channel	Low	Polarity:	Vertical
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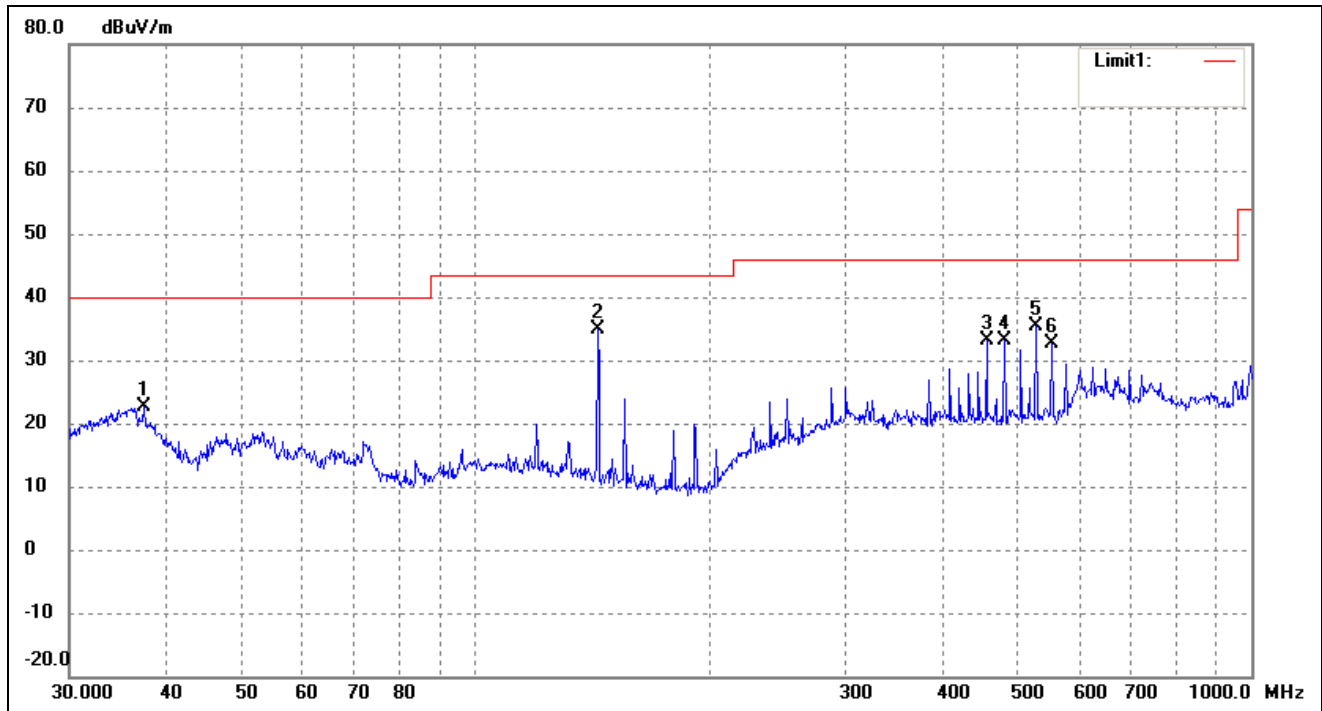
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.8295	54.10	-19.22	34.88	43.50	-8.62	64	100	peak
2	455.9058	40.98	-7.77	33.21	46.00	-12.79	153	100	peak
3	480.5276	40.70	-8.29	32.41	46.00	-13.59	117	100	peak
4	528.2458	42.61	-7.29	35.32	46.00	-10.68	136	100	peak
5	552.8833	40.02	-7.25	32.77	46.00	-13.23	189	100	peak
6	576.6443	37.72	-6.39	31.33	46.00	-14.67	275	100	peak

Test Channel	Middle	Polarity:	Horizontal
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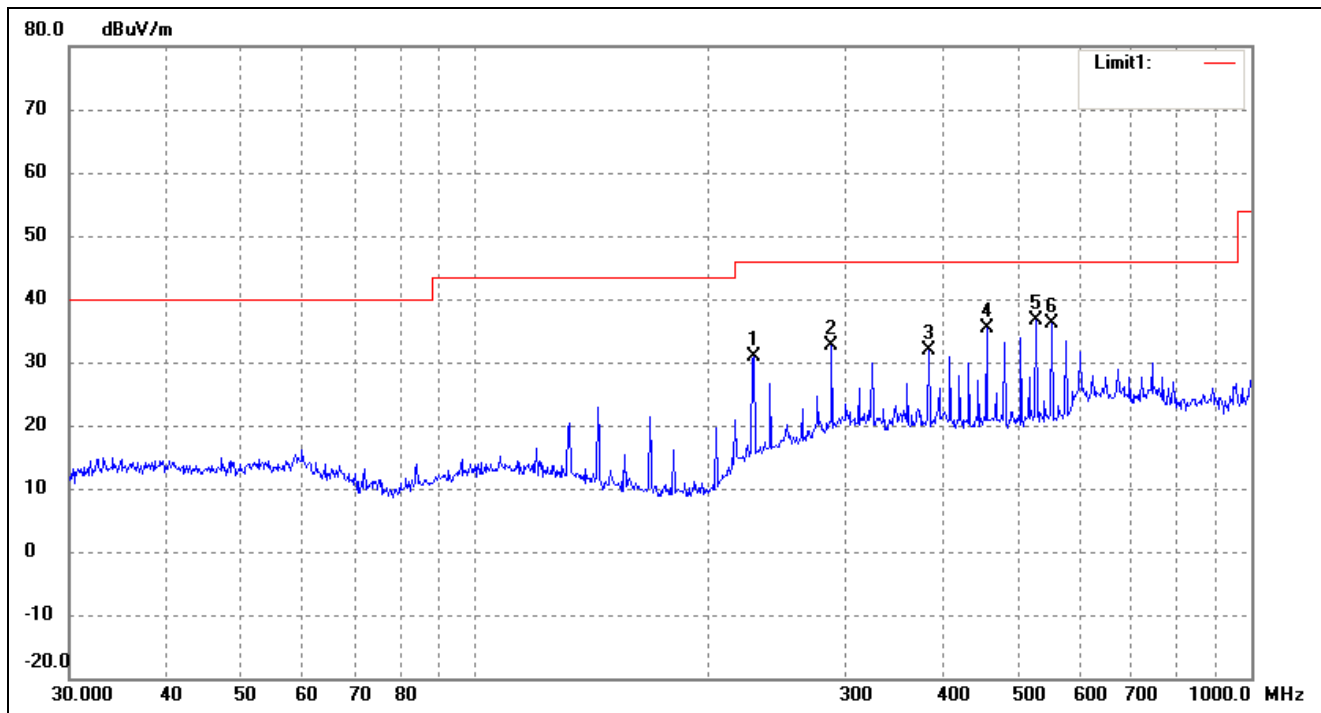
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.8295	53.69	-19.22	34.47	43.50	-9.03	73	100	peak
2	408.9460	39.93	-8.08	31.85	46.00	-14.15	261	100	peak
3	444.8514	41.83	-7.99	33.84	46.00	-12.16	98	100	peak
4	455.9058	46.25	-7.77	38.48	46.00	-7.52	216	100	peak
5	528.2458	41.30	-7.29	34.01	46.00	-11.99	89	100	peak
6	625.0780	36.22	-3.77	32.45	46.00	-13.55	202	100	peak

Test Channel	Middle	Polarity:	Vertical
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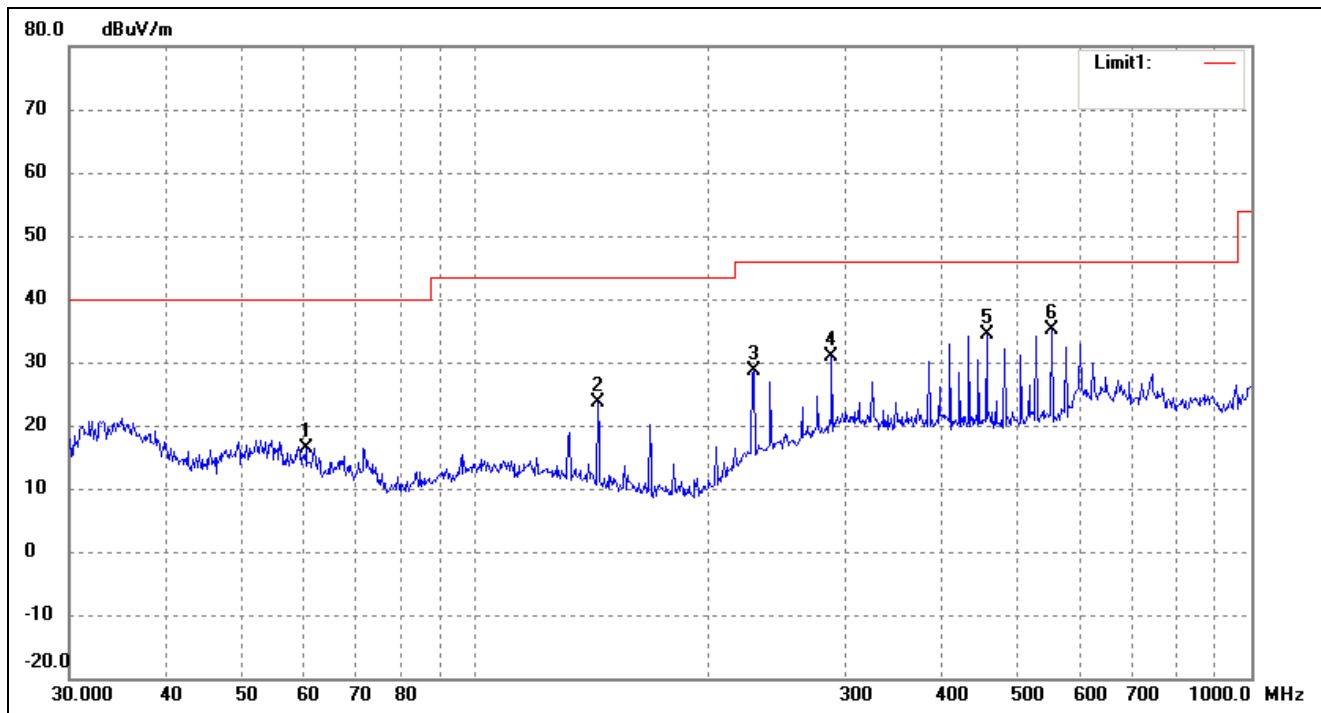
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	37.4165	41.46	-18.95	22.51	40.00	-17.49	354	100	peak
2	143.8295	54.21	-19.22	34.99	43.50	-8.51	138	100	peak
3	455.9058	40.98	-7.77	33.21	46.00	-12.79	59	100	peak
4	480.5276	41.41	-8.29	33.12	46.00	-12.88	145	100	peak
5	528.2458	42.70	-7.29	35.41	46.00	-10.59	216	100	peak
6	552.8833	39.92	-7.25	32.67	46.00	-13.33	252	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	228.4904	43.91	-12.94	30.97	46.00	-15.03	223	100	peak
2	287.9904	41.23	-8.58	32.65	46.00	-13.35	94	100	peak
3	383.9318	40.21	-8.31	31.90	46.00	-14.10	63	100	peak
4	455.9058	43.03	-7.77	35.26	46.00	-10.74	234	100	peak
5	528.2458	43.98	-7.29	36.69	46.00	-9.31	289	100	peak
6	552.8833	43.49	-7.25	36.24	46.00	-9.76	109	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	60.4919	34.81	-18.32	16.49	40.00	-23.51	297	100	peak
2	143.8295	42.86	-19.22	23.64	43.50	-19.86	97	100	peak
3	228.4904	41.51	-12.94	28.57	46.00	-17.43	132	100	peak
4	287.9904	39.56	-8.58	30.98	46.00	-15.02	102	100	peak
5	455.9058	42.06	-7.77	34.29	46.00	-11.71	203	100	peak
6	552.8833	42.27	-7.25	35.02	46.00	-10.98	130	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-2404MHz							
2404.00	79.31	-3.59	75.72	114.00	-38.28	H	PK
2404.00	66.56	-3.59	62.97	94.00	-31.03	H	AV
4808.00	50.61	-3.59	47.02	74.00	-26.98	H	PK
4808.00	40.44	-3.59	36.85	54.00	-17.15	H	AV
7212.00	47.87	-0.52	47.35	74.00	-26.65	H	PK
7212.00	37.43	-0.52	36.91	54.00	-17.09	H	AV
2404.00	77.12	-3.59	73.53	114.00	-40.47	V	PK
2404.00	63.81	-3.59	60.22	94.00	-33.78	V	AV
4808.00	51.09	-3.59	47.50	74.00	-26.50	V	PK
4808.00	39.43	-3.59	35.84	54.00	-18.16	V	AV
7212.00	47.61	-0.52	47.09	74.00	-26.91	V	PK
7212.00	35.93	-0.52	35.41	54.00	-18.59	V	AV
Middle Channel-2441MHz							
2441.00	79.97	-3.59	76.38	114.00	-37.62	H	PK
2441.00	66.76	-3.59	63.17	94.00	-30.83	H	AV
4882.00	50.78	-3.49	47.29	74.00	-26.71	H	PK
4882.00	38.95	-3.49	35.46	54.00	-18.54	H	AV
7323.00	48.86	-0.47	48.39	74.00	-25.61	H	PK
7323.00	36.55	-0.47	36.08	54.00	-17.92	H	AV
2441.00	77.81	-3.59	74.22	114.00	-39.78	V	PK
2441.00	63.78	-3.59	60.19	94.00	-33.81	V	AV
4882.00	50.57	-3.49	47.08	74.00	-26.92	V	PK
4882.00	39.91	-3.49	36.42	54.00	-17.58	V	AV
7323.00	47.77	-0.47	47.30	74.00	-26.70	V	PK
7323.00	36.31	-0.47	35.84	54.00	-18.16	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2478MHz							
2478.00	80.30	-3.59	76.71	114.00	-37.29	H	PK
2478.00	67.70	-3.59	64.11	94.00	-29.89	H	AV
4956.00	50.66	-3.41	47.25	74.00	-26.75	H	PK
4956.00	38.89	-3.41	35.48	54.00	-18.52	H	AV
7434.00	48.94	-0.42	48.52	74.00	-25.48	H	PK
7434.00	36.79	-0.42	36.37	54.00	-17.63	H	AV
2478.00	76.81	-3.59	73.22	114.00	-40.78	V	PK
2478.00	64.82	-3.59	61.23	94.00	-32.77	V	AV
4956.00	50.93	-3.41	47.52	74.00	-26.48	V	PK
4956.00	39.65	-3.41	36.24	54.00	-17.76	V	AV
7434.00	48.49	-0.42	48.07	74.00	-25.93	V	PK
7434.00	36.26	-0.42	35.84	54.00	-18.16	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.

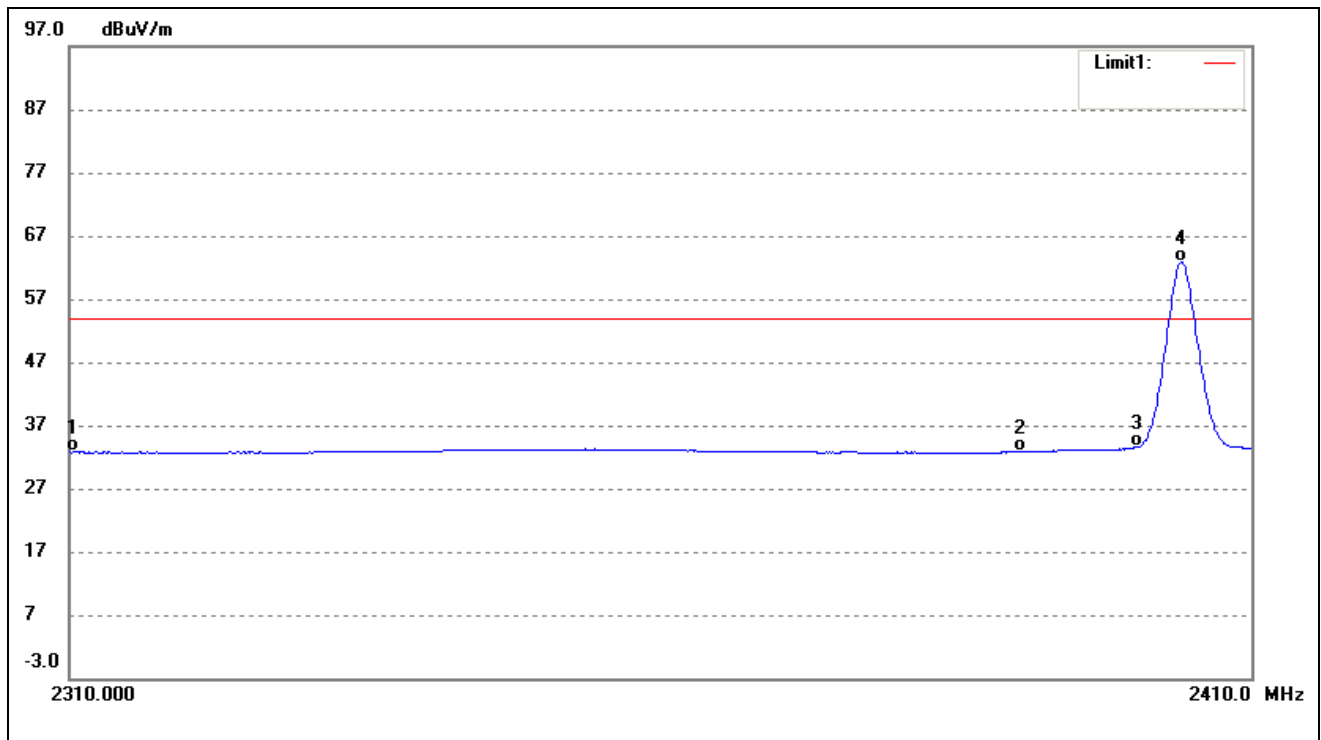
5.3 Summary of Test Results/Plots

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.

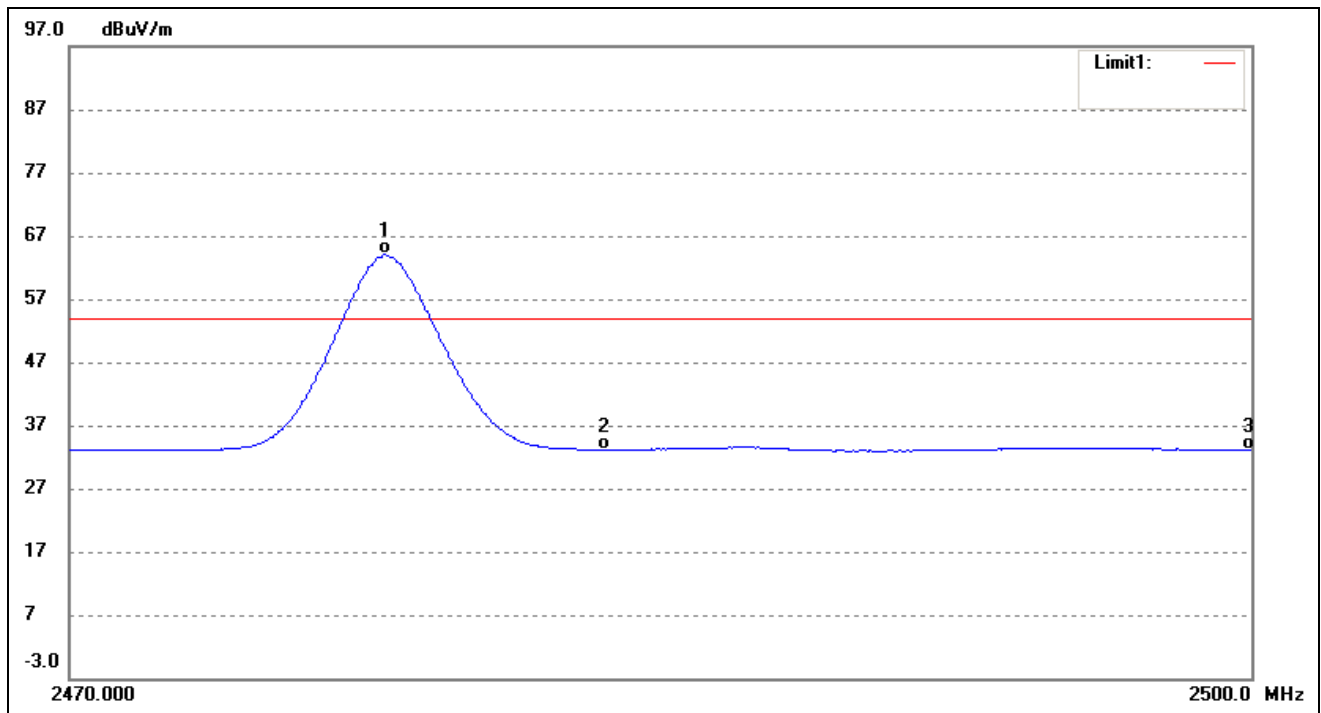
Please refer to the test plots as below.

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	40.59	-7.78	32.81	54.00	-21.19	Ave Detector
	2310.000	52.68	-7.78	44.90	74.00	-29.10	Peak Detector
2	2390.000	40.19	-7.32	32.87	54.00	-21.13	Ave Detector
	2390.000	52.12	-7.32	44.80	74.00	-29.20	Peak Detector
3	2400.000	40.77	-7.26	33.51	54.00	-20.49	Ave Detector
	2400.000	61.45	-7.26	54.19	74.00	-19.81	Peak Detector
4	2403.880	70.20	-7.23	62.97	/	/	Ave Detector
	2403.982	82.95	-7.23	75.72	/	/	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	2477.975	70.91	-6.80	64.11	/	/	Ave Detector
	2477.975	83.51	-6.80	76.71	/	/	Peak Detector
2	2483.500	39.97	-6.77	33.20	54.00	-20.80	Ave Detector
	2483.500	59.72	-6.77	52.95	74.00	-21.05	Peak Detector
3	2500.000	39.87	-6.67	33.20	54.00	-20.80	Ave Detector
	2500.000	56.04	-6.67	49.37	74.00	-24.63	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

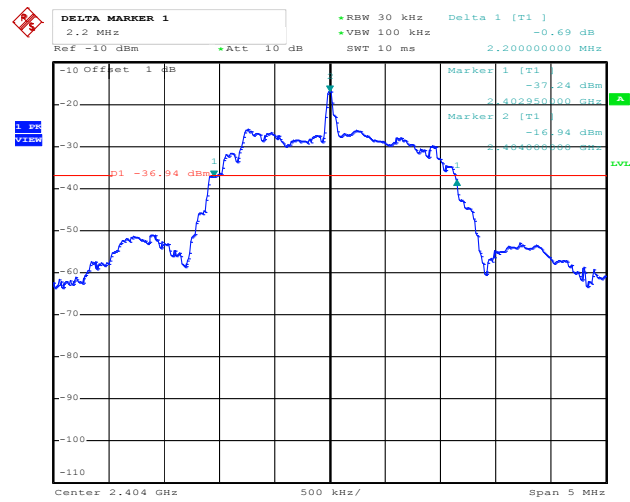
All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.

6.3 Summary of Test Results/Plots

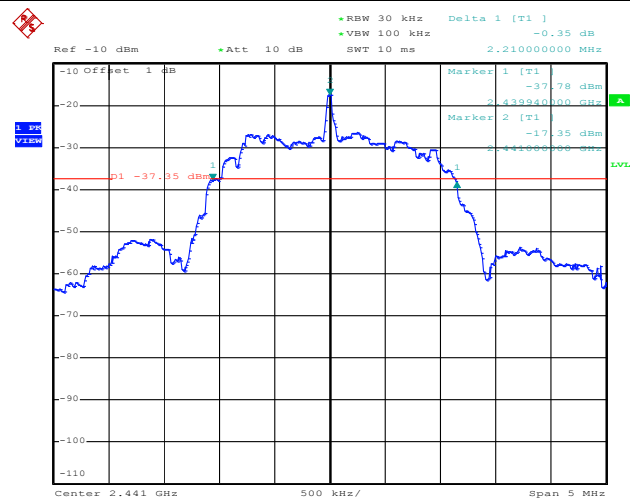
Test Channel	20dB Bandwidth(kHz)
Low Channel	2200
Middle Channel	2210
High Channel	2150

Please refer to the following test plots

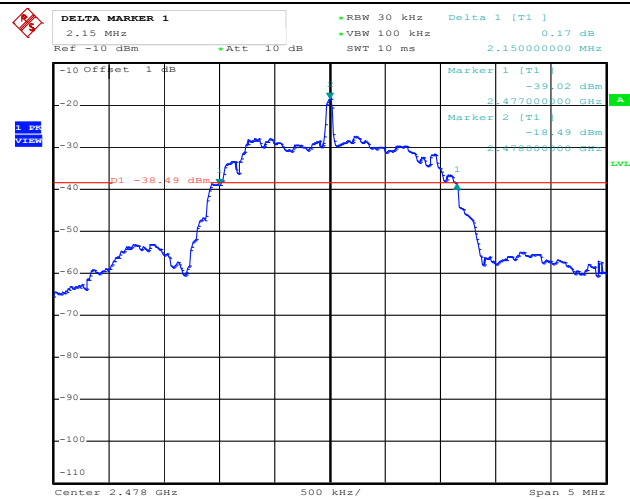
Low Channel



Middle Channel



High Channel



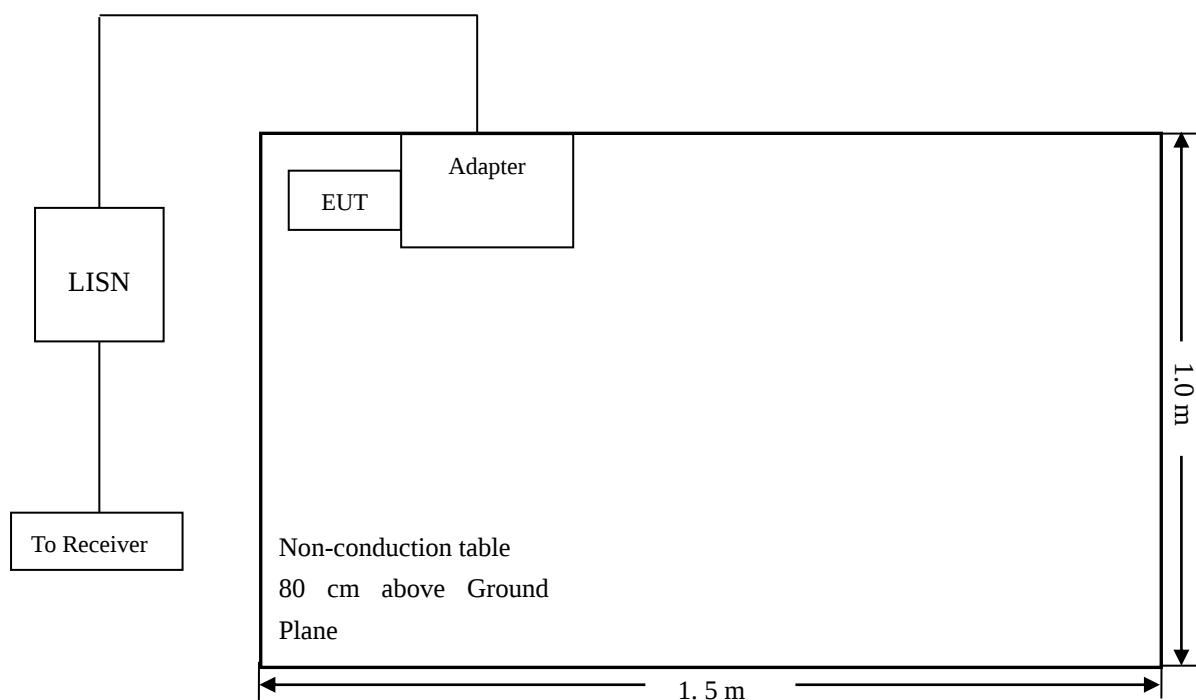
7. Conducted Emissions

7.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 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.

7.2 Basic Test Setup Block Diagram



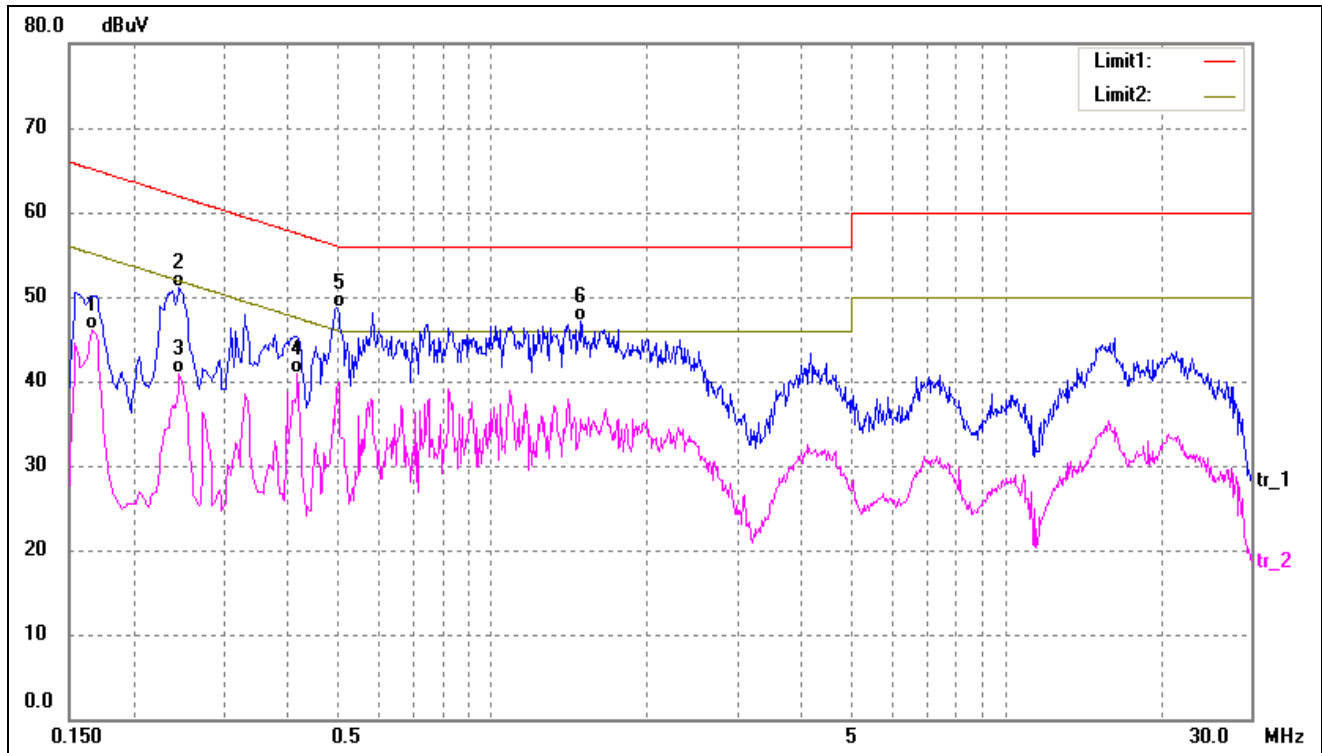
7.3 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency 150 kHz
Stop Frequency 30 MHz
Sweep Speed Auto
IF Bandwidth..... 10 kHz
Quasi-Peak Adapter Bandwidth 9 kHz
Quasi-Peak Adapter Mode Normal

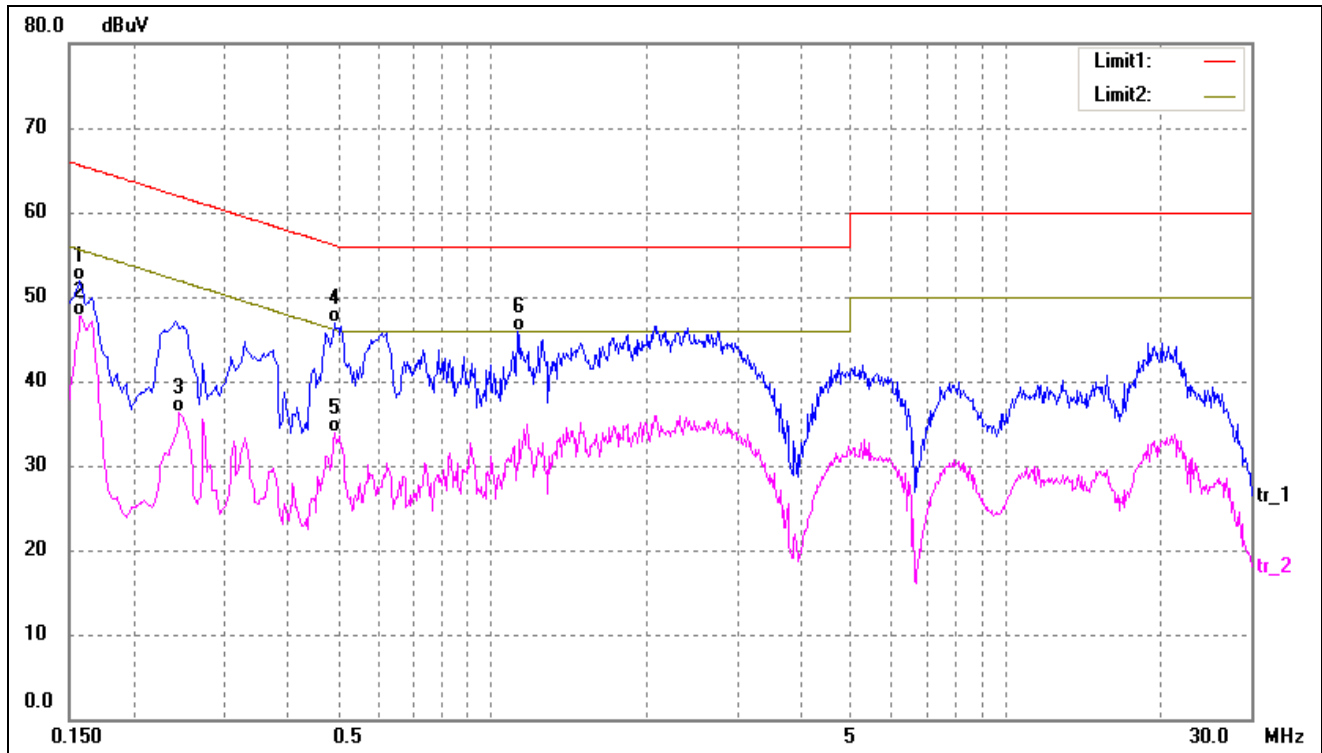
7.4 Summary of Test Results/Plots

Test Mode	Communication	AC120V 60Hz	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	36.02	10.11	46.13	55.15	-9.02	QP
2	0.2460	40.92	10.15	51.07	61.89	-10.82	AVG
3	0.2460	30.73	10.15	40.88	51.89	-11.01	QP
4	0.4180	30.59	10.26	40.85	47.49	-6.64	AVG
5*	0.4980	38.45	10.29	48.74	56.03	-7.29	QP
6	1.4900	36.45	10.56	47.01	56.00	-8.99	AVG

Test Mode	Communication	AC120V 60Hz	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1580	41.80	10.10	51.90	65.56	-13.66	QP
2	0.1580	37.67	10.10	47.77	55.56	-7.79	AVG
3	0.2460	26.10	10.15	36.25	51.89	-15.64	QP
4	0.4940	36.54	10.29	46.83	56.10	-9.27	AVG
5	0.4940	23.68	10.29	33.97	46.10	-12.13	QP
6	1.1220	35.48	10.51	45.99	56.00	-10.01	AVG

***** END OF REPORT *****