



MEASUREMENT REPORT

FCC PART 15B

FCC ID: ROU00010

APPLICANT: SHENZHEN KTC TECHNOLOGY CO., LTD.

Application Type: Certification

Product: 10.1" PAD

Model No.: 101P51C, 101P**A, 101P**B, 101P**C

Brand Name: --

FCC Classification: FCC Class B Digital Device (JBP)

FCC Rule Part(s): FCC Part 15 Subpart B

Test Procedure(s): ANSI C63.4: 2009

Test Date: Oct. 08 ~ 13, 2014

Reviewed By : Robin Wu
(Robin Wu)

Approved By : Marlin Chen
(Marlin Chen)

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2009. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date
1409RSU04604	Rev. 01	Initial report	10-13-2014

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§2.1033 General Information

Applicant:	Shenzhen KTC Technology Co., Ltd.
Applicant Address:	Northern Wuhe Road, Gangtou, Buji, Longgang, Shenzhen, China
Manufacturer:	Shenzhen KTC Technology Co., Ltd.
Manufacturer Address:	Northern Wuhe Road, Gangtou, Buji, Longgang, Shenzhen, China
Test Site:	MRT Technology (Suzhou) Co., Ltd
Test Site Address:	D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
MRT FCC Registration No.:	809388
Model No.:	101P51C, 101P**A, 101P**B, 101P**C
FCC ID:	ROU00010
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification:	FCC Class B Digital Device (JBP)
Date(s) of Test:	Oct. 08 ~ 12, 2014
Test Report S/N:	1409RSU04605

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.
- MRT facility is a FCC registered (MRT Reg. No. 809388) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules and Industry Canada (11384A-1).
- MRT facility is an IC registered (11384A-1) test laboratory with the site description on file at Industry Canada.

1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2009 on September 30, 2013.



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	10.1" PAD
Model No.	101P51C, 101P**A, 101P**B, 101P**C
Wi-Fi	
Frequency Range	802.11b/g/n-HT20: 2412 ~ 2462 MHz 802.11n-HT40: 2422 ~ 2452 MHz
Type of Modulation	802.11b: DSSS 802.11g/n: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 150 Mbps
Antenna Type	Internal
Antenna Gain	-1dBi
Bluetooth	
Bluetooth Frequency	2402~2480MHz
Bluetooth Version	V4.0, V3.0+EDR
Type of modulation	FHSS
Data Rate	1Mbps(GFSK), 2Mbps(Pi/4 DQPSK), 3Mbps (8DPSK)
Antenna Gain	-1dBi
GPS	
GPS Frequency	1575.42MHz
Antenna Gain	-1dBi

2.2. Test Configuration

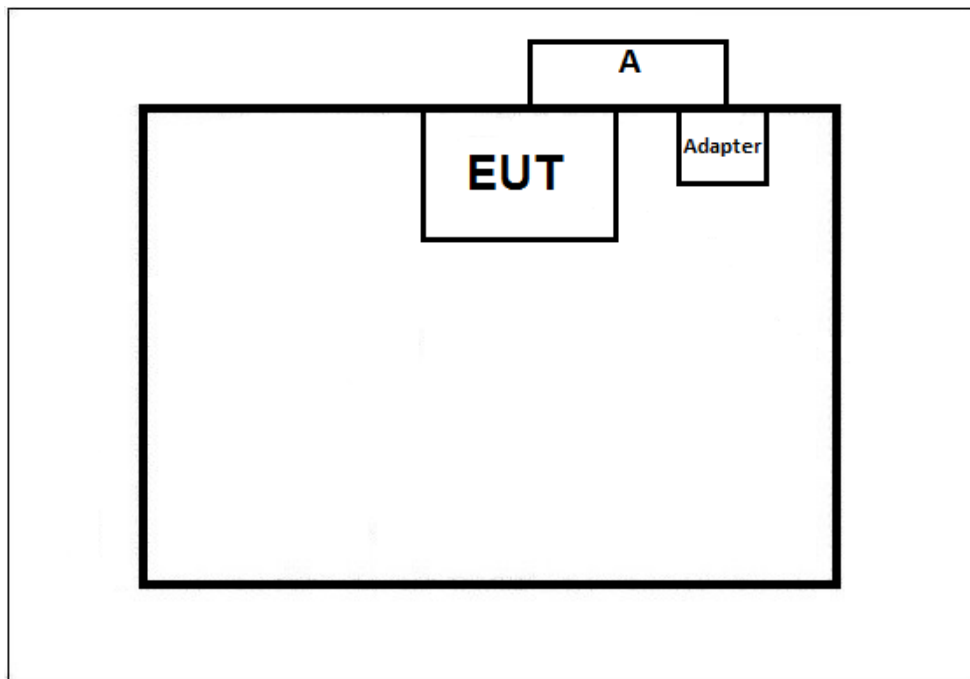
2.2.1. Test Mode

Test Mode	Mode 1: Charging + Camera On Mode 2: USB Copy
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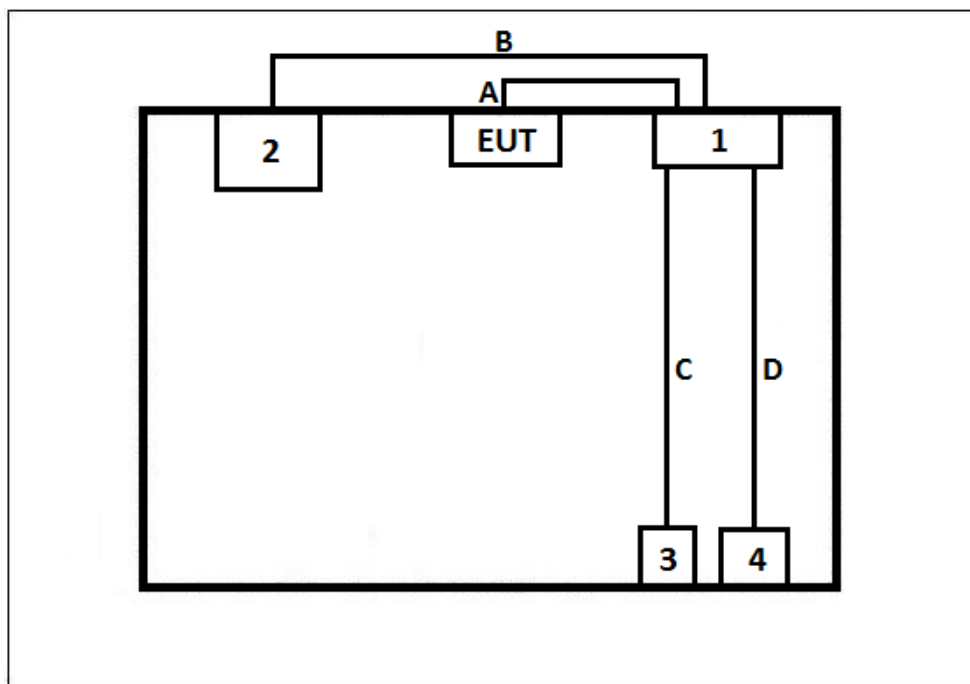
2.2.2. Configuration of Tested System

The **10.1" PAD FCC ID: ROU00010** was tested per the guidance FCC Part 15 Subpart B: 2014 and ANSI C63.4: 2009 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

Connection Diagram (Mode 1)



Connection Diagram (Mode 2)



Signal Cable Type		Signal cable Description
A	USB Cable	Shielding, 0.6m
B	VGA Cable	Shielding, 1.8m
C	USB Cable	Shielding, 1.8m
D	USB Cable	Shielding, 1.8m

2.2.3. Test System Details

Product		Manufacturer	Model No.	Power Cord
1	Notebook	Lenovo	E430C	Non-Shielded, 1.8m
2	LCD Monitor	DELL	IN1930C	Non-Shielded, 1.8m
3	USB Keyboard	DELL	KB212-B	N/A
4	USB Mouse	DELL	MS111-7	N/A

2.3. Test Software

Not applicable.

2.4. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.5. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase.

However, when the device is so small wherein placement of the label with specified statement is not practical, only the trade name and FCC ID must be displayed on the device per Section 15.19(a)(5).

Please see attachment for FCC ID label and label location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical Equipment in the Range of 9kHz to 40GHz (ANSI C63.4-2009) was used in the measurement of the **10.1" PAD FCC ID: ROU00010**.

Deviation from measurement procedure.....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50 Ω /50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions is used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2009 at Clause 4.3.

Line conducted emissions test results are shown in Section 6.2.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. An MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 0.8 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beamwidth of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	101209	1 year	2014/11/08
Two-Line V-Network	R&S	ENV216	101683	1 year	2014/11/08
Two-Line V-Network	R&S	ENV216	101684	1 year	2014/11/08
Temperature/ Meter Humidity	Anymetre	TH101B	SR2-01	1 year	2014/11/15

Radiated Emission

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY5144016A	1 year	2015/01/04
Preamplifier	MRT	AP01G18	1310002	1 year	2015/10/06
TRILOG Antenna	Schwarzbeck	VULB9162	9162-047	1 year	2014/11/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1167	1 year	2014/11/24
Temperature/Humidity Meter	Anymetre	TH101B	AC1-01	1 year	2014/11/15

5. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Conducted Emissions Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 150kHz~30MHz: $\pm 3.46\text{dB}$
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 30MHz ~ 1GHz: $\pm 4.18\text{dB}$ 1GHz ~ 18GHz: $\pm 4.76\text{dB}$

6. TEST RESULT

6.1. Summary

Company Name: Shenzhen KTC Technology Co., Ltd.

FCC ID: ROU00010

FCC Classification: FCC Class B Digital Device (JBP)

Test Mode: Charging and Camera On;
USB Copy with Notebook

Normative References	Test Description	Test Result
FCC Part 15 Subpart B: 2014 ANSI C63.4: 2009	Conducted Emission	Pass
FCC Part 15 Subpart B: 2014 ANSI C63.4: 2009	Radiated Emission	Pass

6.2. Conducted Emission Measurement

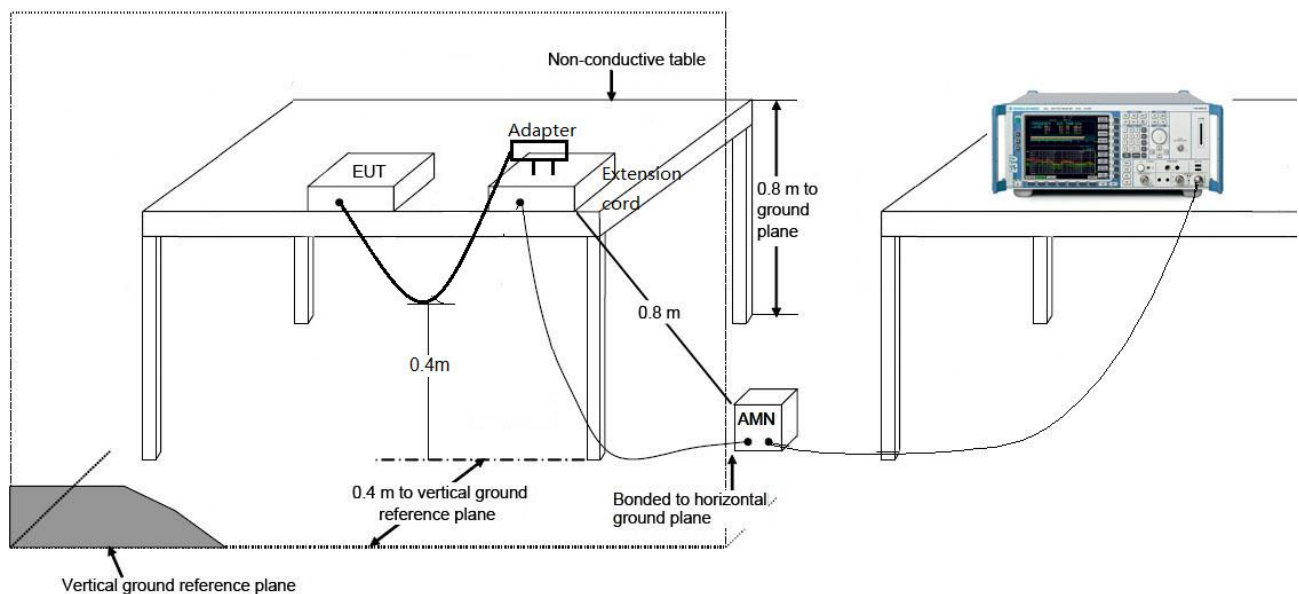
6.2.1. Test Limit

FCC Part 15.107 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

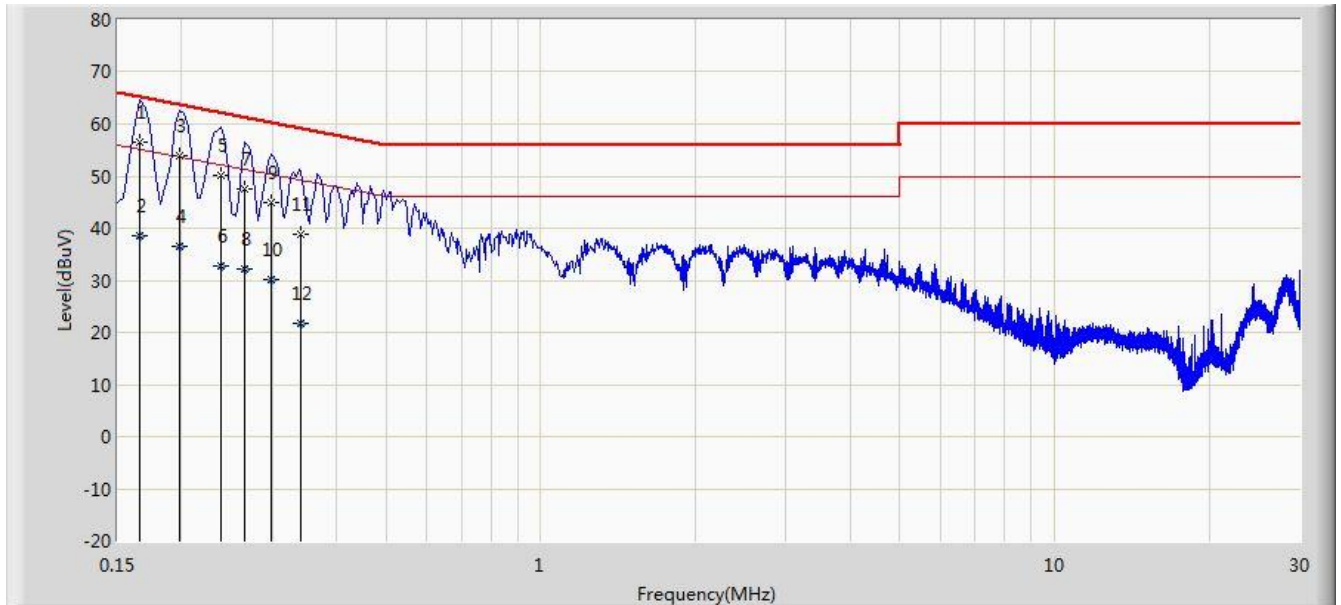
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.2.2. Test Setup



6.2.3. Test Result of Conducted Emissions

Tested By	Roy Cheng	Test Data	2014/10/13 - 10:47
Site	SR2	Power	AC 120V/60Hz
Limit	FCC_Part15.107_CE_Class B	Polarity	Line
AMN	LISN_101683-FILTER ON	Test Mode	Mode 1

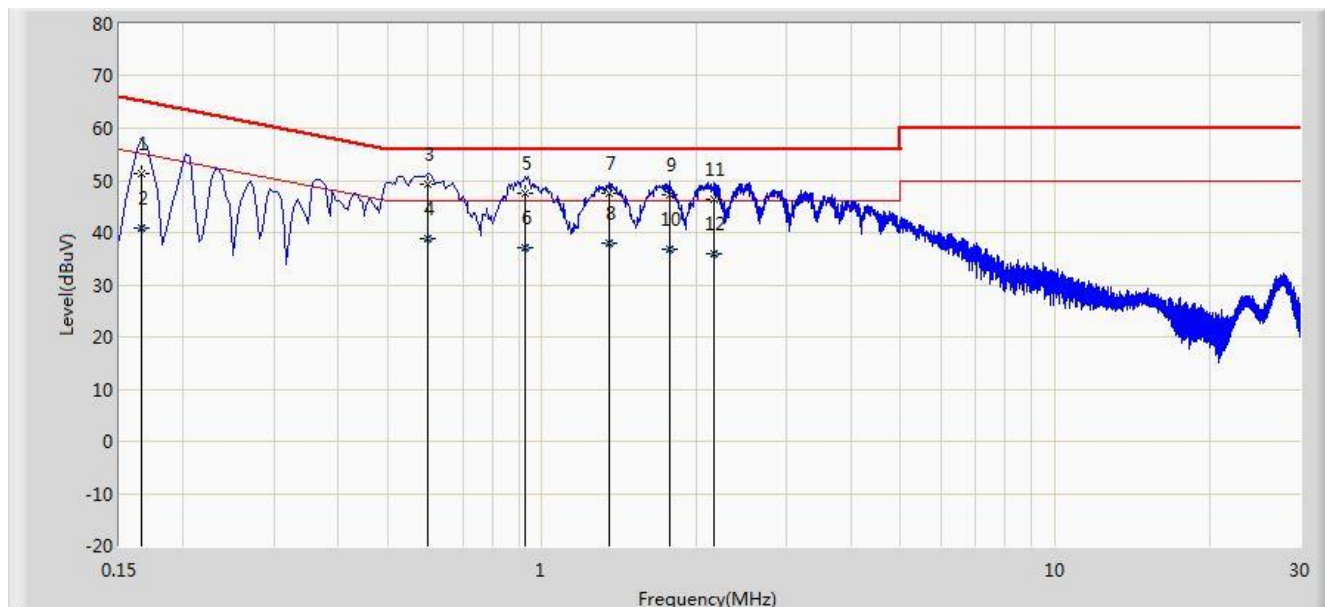


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.166	56.618	46.531	-8.540	65.158	10.087	QP
2			0.166	38.531	28.444	-16.627	55.158	10.087	AV
3			0.198	53.789	43.784	-9.905	63.694	10.005	QP
4			0.198	36.632	26.627	-17.062	53.694	10.005	AV
5			0.238	50.245	40.291	-11.921	62.166	9.954	QP
6			0.238	32.705	22.751	-19.461	52.166	9.954	AV
7			0.266	47.560	37.583	-13.682	61.242	9.977	QP
8			0.266	32.294	22.317	-18.948	51.242	9.977	AV
9			0.298	44.786	34.784	-15.512	60.298	10.002	QP
10			0.298	30.080	20.078	-20.218	50.298	10.002	AV
11			0.342	38.896	28.858	-20.259	59.155	10.038	QP
12			0.342	21.811	11.773	-27.344	49.155	10.038	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Tested By	Roy Cheng	Test Data	2014/10/13 - 10:51
Site	SR2	Power	AC 120V/60Hz
Limit	FCC_Part15.107_CE_Class B	Polarity	Neutral
AMN	LISN_101683-FILTER ON	Test Mode	Mode 1

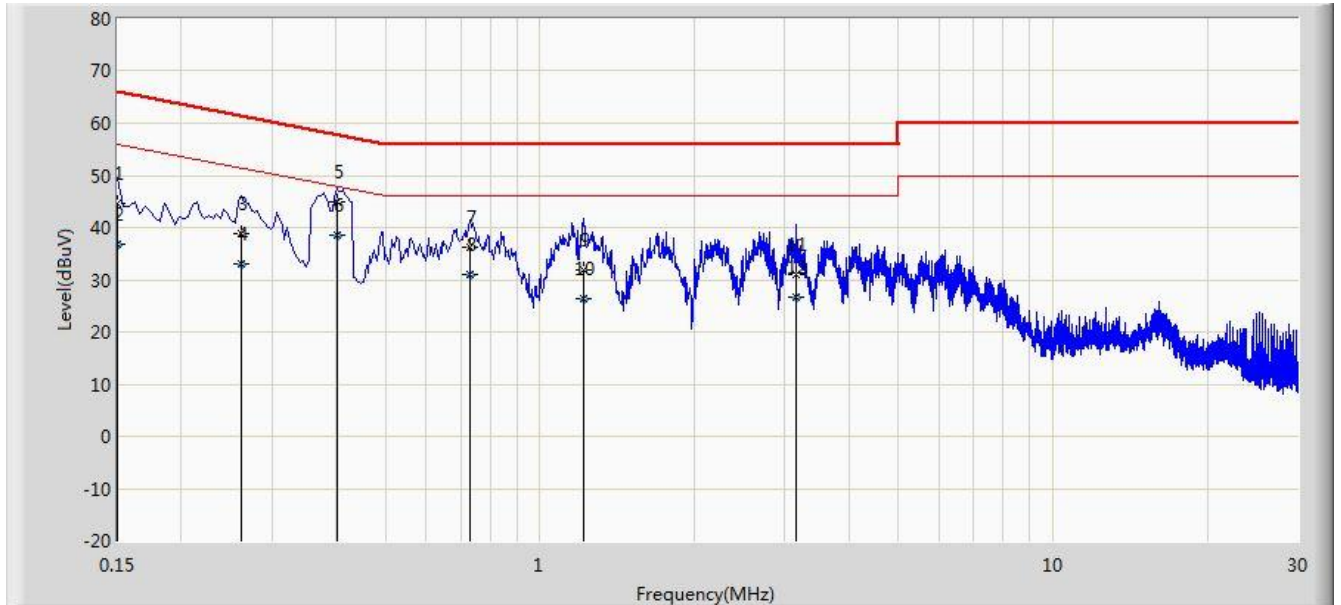


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.166	51.180	41.109	-13.978	65.158	10.071	QP
2			0.166	40.758	30.687	-14.400	55.158	10.071	AV
3		*	0.598	49.190	39.058	-6.810	56.000	10.132	QP
4			0.598	38.730	28.598	-7.270	46.000	10.132	AV
5			0.930	47.539	37.592	-8.461	56.000	9.947	QP
6			0.930	37.102	27.155	-8.898	46.000	9.947	AV
7			1.354	47.556	37.660	-8.444	56.000	9.896	QP
8			1.354	38.063	28.167	-7.937	46.000	9.896	AV
9			1.774	47.192	37.311	-8.808	56.000	9.881	QP
10			1.774	36.704	26.823	-9.296	46.000	9.881	AV
11			2.166	46.517	36.648	-9.483	56.000	9.869	QP
12			2.166	36.015	26.146	-9.985	46.000	9.869	AV

Note: Measure Level (dBuV) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Tested By	Roy Cheng	Test Data	2014/10/13 - 11:04
Site	SR2	Power	AC 120V/60Hz
Limit	FCC_Part15.107_CE_Class B	Polarity	Line
AMN	LISN_101683-FILTER ON	Test Mode	Mode 2

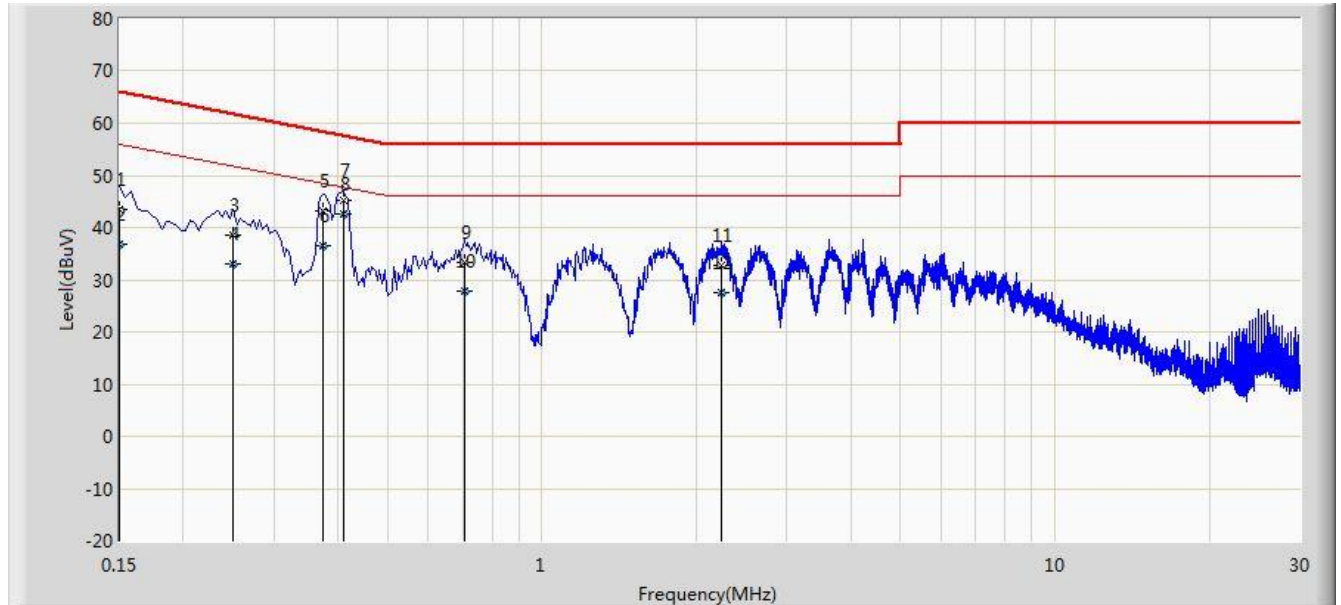


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	44.635	33.467	-21.365	66.000	11.168	QP
2			0.150	36.702	25.534	-19.298	56.000	11.168	AV
3			0.262	38.856	28.882	-22.512	61.368	9.974	QP
4			0.262	33.050	23.076	-18.318	51.368	9.974	AV
5			0.402	45.018	34.931	-12.794	57.812	10.087	QP
6		*	0.402	38.407	28.320	-9.405	47.812	10.087	AV
7			0.730	36.116	26.068	-19.884	56.000	10.048	QP
8			0.730	31.021	20.973	-14.979	46.000	10.048	AV
9			1.218	31.754	21.853	-24.246	56.000	9.901	QP
10			1.218	26.486	16.585	-19.514	46.000	9.901	AV
11			3.146	31.037	21.180	-24.963	56.000	9.857	QP
12			3.146	26.679	16.822	-19.321	46.000	9.857	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Tested By	Roy Cheng	Test Data	2014/10/13 - 11:09
Site	SR2	Power	AC 120V/60Hz
Limit	FCC_Part15.107_CE_Class B	Polarity	Neutral
AMN	LISN_101683-FILTER ON	Test Mode	Mode 2



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	43.615	32.473	-22.385	66.000	11.142	QP
2			0.150	36.689	25.547	-19.311	56.000	11.142	AV
3			0.250	38.521	28.520	-23.236	61.757	10.001	QP
4			0.250	32.969	22.968	-18.788	51.757	10.001	AV
5			0.374	43.214	33.121	-15.198	58.412	10.093	QP
6			0.374	36.663	26.570	-11.749	48.412	10.093	AV
7			0.410	45.290	35.171	-12.358	57.648	10.119	QP
8		*	0.410	42.634	32.515	-5.014	47.648	10.119	AV
9			0.706	33.206	23.135	-22.794	56.000	10.071	QP
10			0.706	27.907	17.836	-18.093	46.000	10.071	AV
11			2.242	32.783	22.915	-23.217	56.000	9.868	QP
12			2.242	27.655	17.787	-18.345	46.000	9.868	AV

Note: Measure Level (dBuV) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

6.3. Radiated Emission Measurement

6.3.1. Test Limit

FCC Part 15.109 Limits		
Frequency (MHz)	Distance (m)	Level (dB μ V/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

Note 1: The lower limit shall apply at the transition frequency.

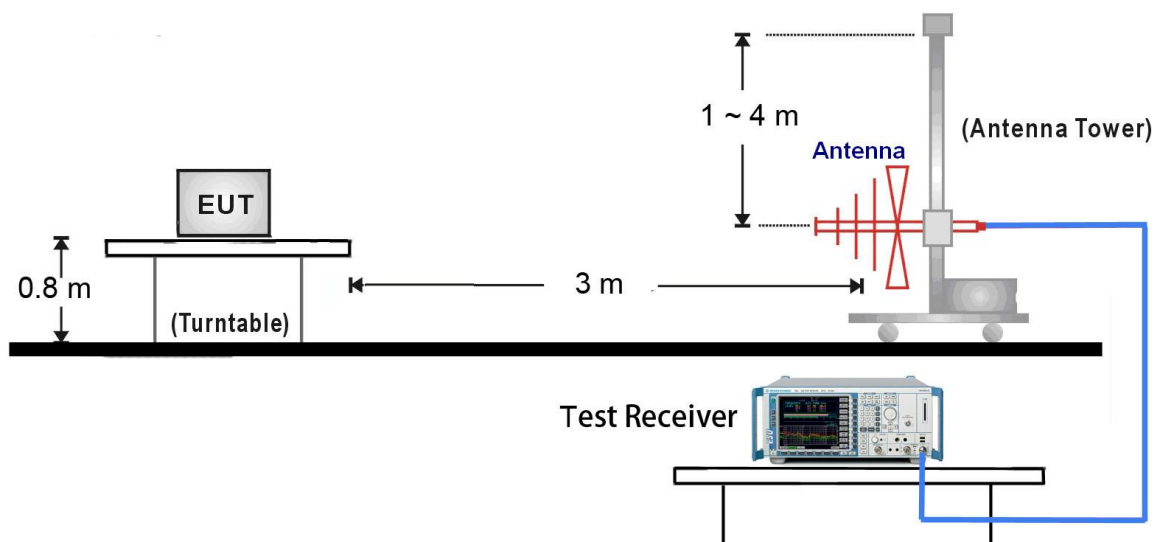
Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: E field strength (dB μ V/m) = 20 log E field strength (μ V/m)

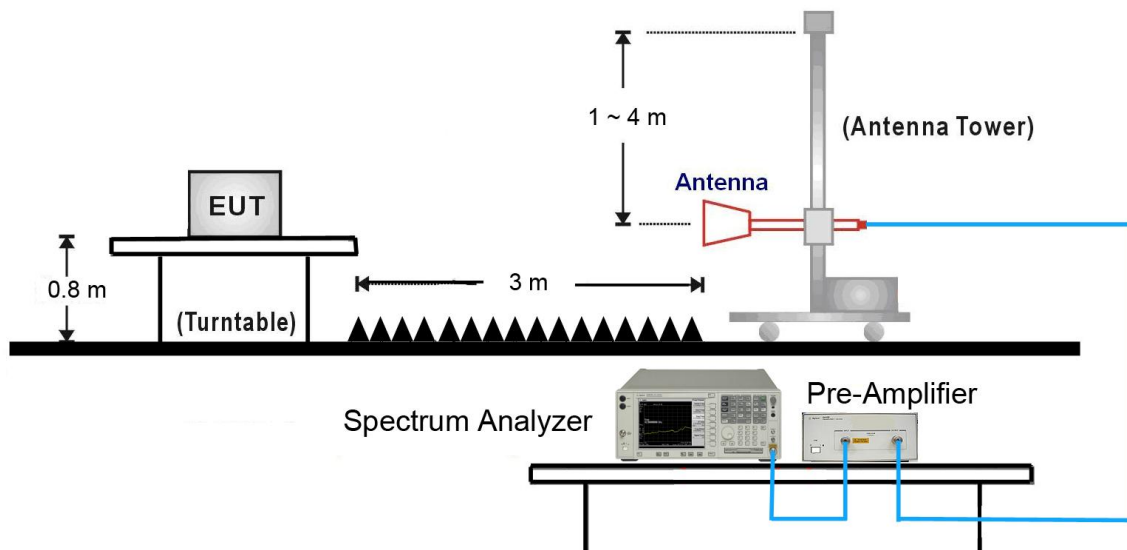
Frequency (MHz)	Detector	RBW	VBW
30 ~ 1000	QP	120kHz	300kHz
1000 ~ 18000	PK	1MHz	3MHz
1000 ~ 18000	PK	1MHz	10Hz

6.3.2. Test Setup

30MHz ~ 1GHz Test Setup:

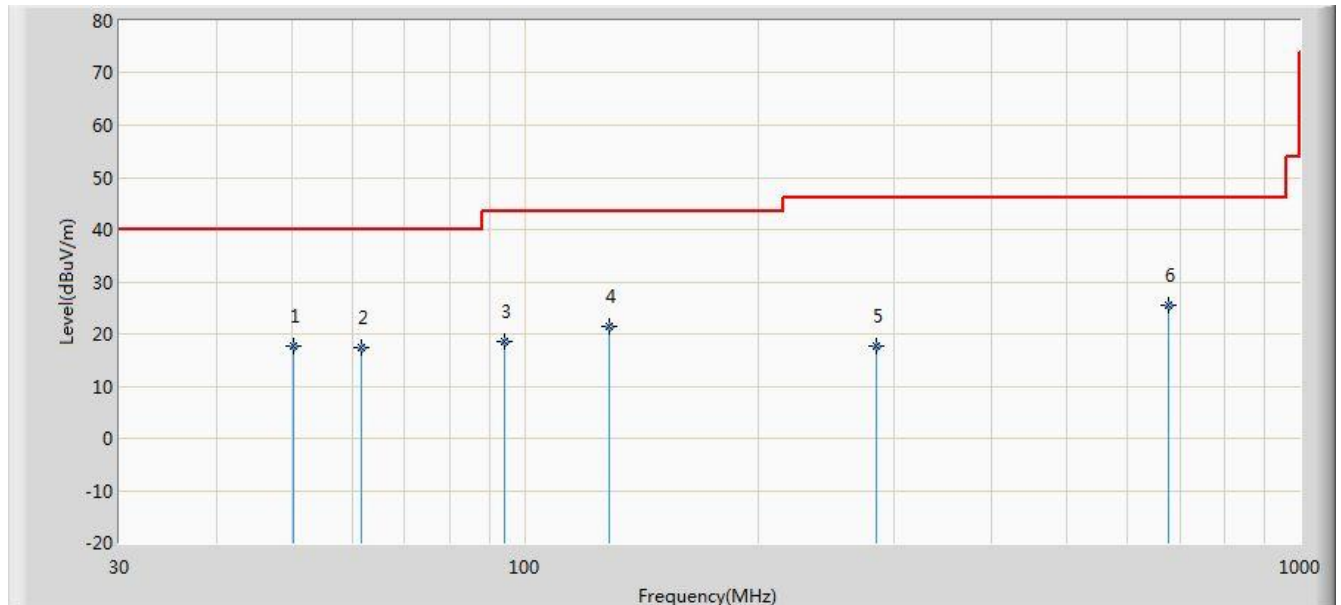


1GHz ~18GHz Test Setup:



6.3.3. Test Result of Radiated Emissions

Tested By	Roy Cheng	Test Data	2014/10/13 - 09:27
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Horizontal
Antenna	VULB9162_0.03-8GHz	Test Mode	Mode 1

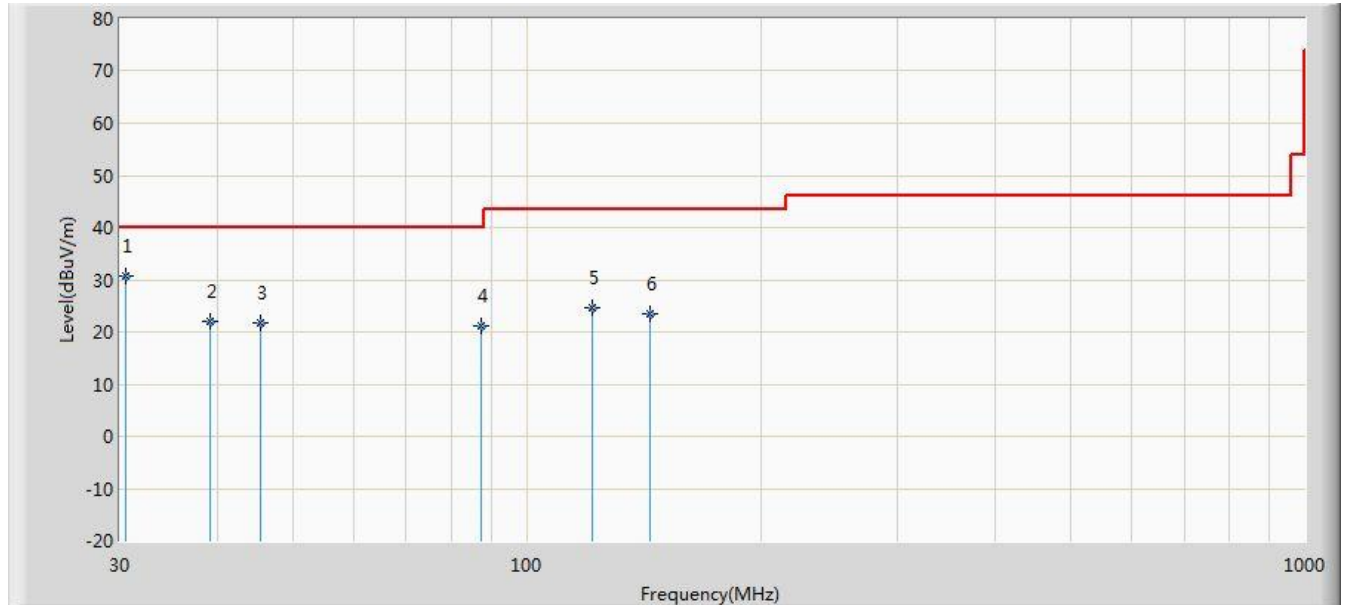


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			50.370	17.781	3.031	-22.219	40.000	14.750	QP
2			61.525	17.356	3.917	-22.644	40.000	13.439	QP
3			94.020	18.634	6.671	-24.866	43.500	11.963	QP
4			128.455	21.351	11.425	-22.149	43.500	9.926	QP
5			283.655	17.816	3.992	-28.184	46.000	13.824	QP
6		*	676.505	25.598	5.101	-20.402	46.000	20.497	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Tested By	Roy Cheng	Test Data	2014/10/13 - 09:29
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Vertical
Antenna	VULB9162_0.03-8GHz	Test Mode	Mode 1

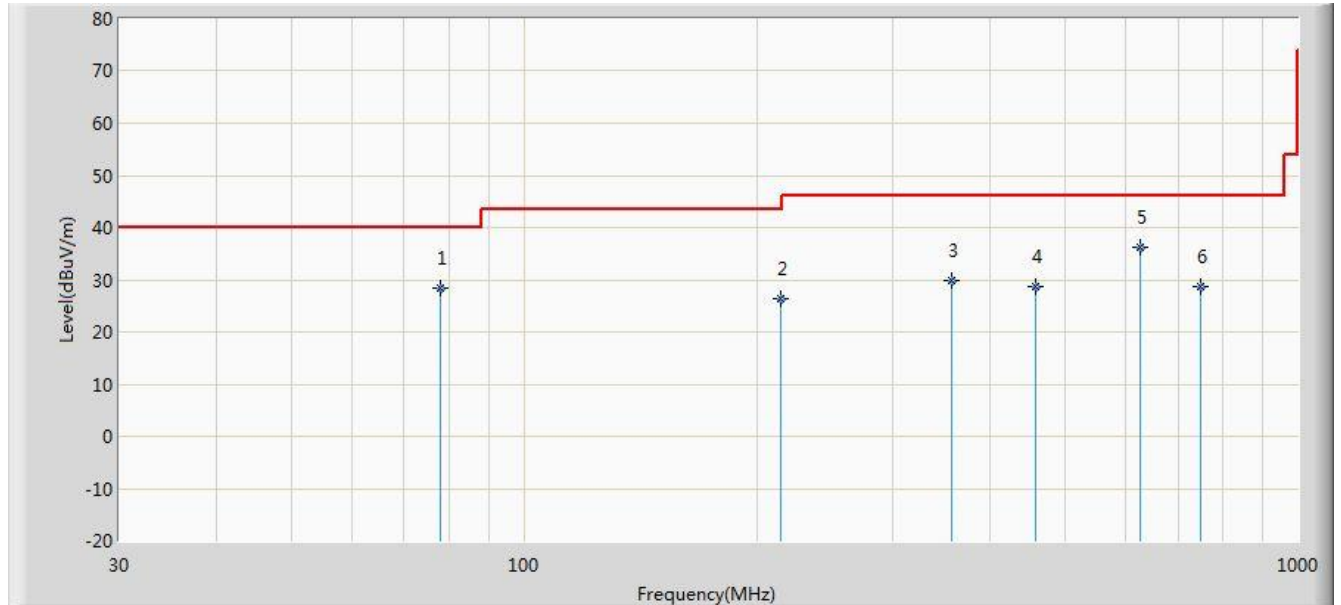


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.485	30.607	18.618	-9.393	40.000	11.989	QP
2			39.215	21.990	8.426	-18.010	40.000	13.564	QP
3			45.520	21.715	6.969	-18.285	40.000	14.746	QP
4			87.230	21.175	10.859	-18.825	40.000	10.316	QP
5			121.180	24.667	13.833	-18.833	43.500	10.834	QP
6			143.975	23.495	14.343	-20.005	43.500	9.152	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Tested By	Roy Cheng	Test Data	2014/10/13 - 21:05
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Horizontal
Antenna	VULB9162_0.03-8GHz	Test Mode	Mode 2

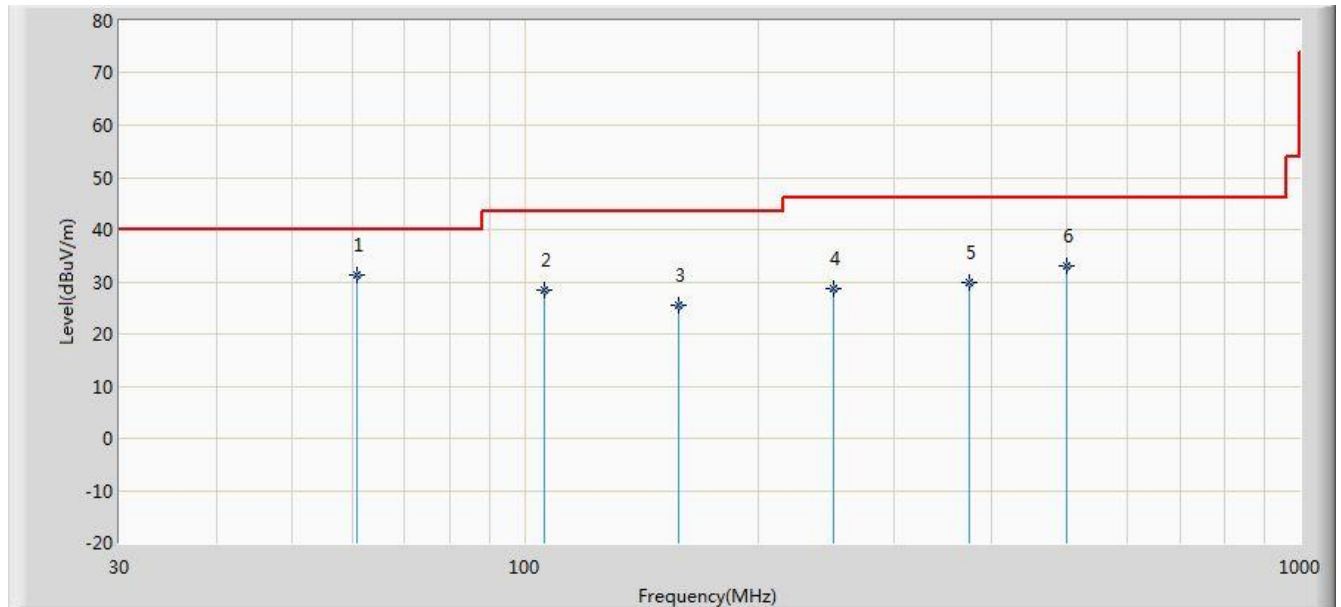


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			77.894	28.501	19.628	-11.599	40.000	8.873	QP
2			214.421	26.282	14.136	-17.218	43.500	12.146	QP
3			357.496	29.771	14.291	-16.229	46.000	15.480	QP
4			457.770	28.617	11.598	-17.383	46.000	17.019	QP
5		*	625.095	36.311	16.588	-9.689	46.000	19.723	QP
6			749.861	28.733	7.205	-17.267	46.000	21.528	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Tested By	Roy Cheng	Test Data	2014/10/13 - 21:06
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Vertical
Antenna	VULB9162_0.03-8GHz	Test Mode	Mode 2

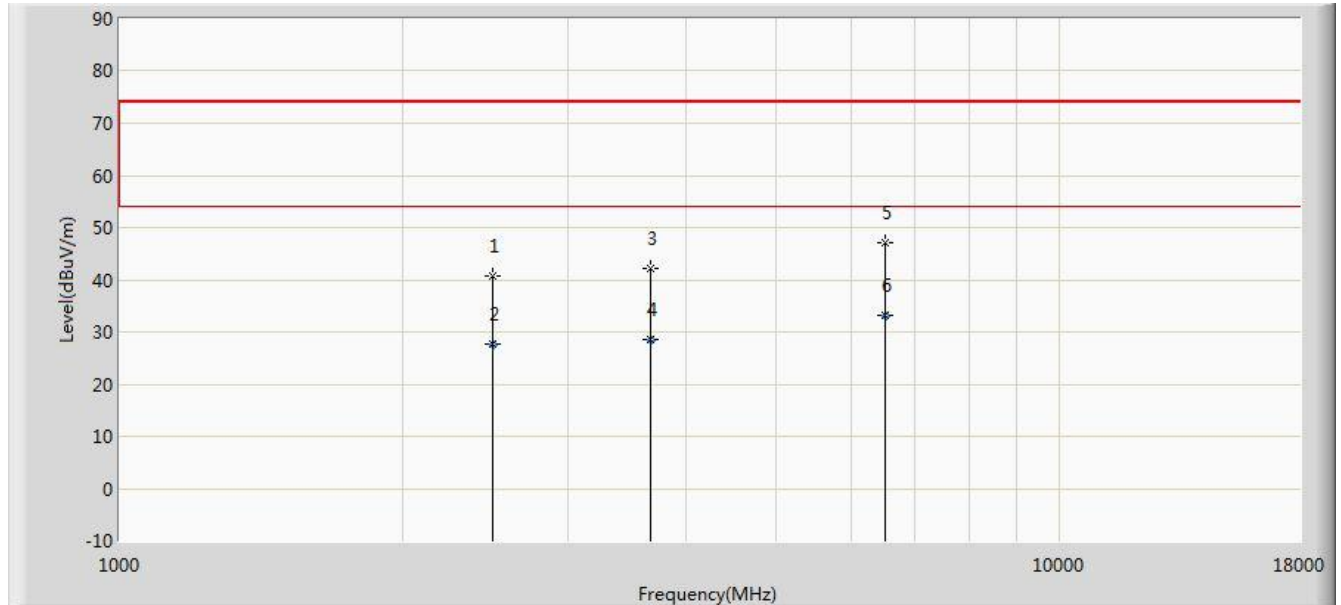


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	60.798	31.241	17.681	-8.759	40.000	13.560	QP
2			106.024	28.411	15.592	-15.089	43.500	12.819	QP
3			158.040	25.565	16.121	-17.935	43.500	9.444	QP
4			249.947	28.628	15.350	-17.372	46.000	13.278	QP
5			375.078	29.967	14.234	-16.033	46.000	15.733	QP
6			500.086	33.099	15.356	-12.901	46.000	17.743	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Tested By	Roy Cheng	Test Data	2014/10/13 - 09:29
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Horizontal
Antenna	BBHA9120D_1-18GHz	Test Mode	Mode 1

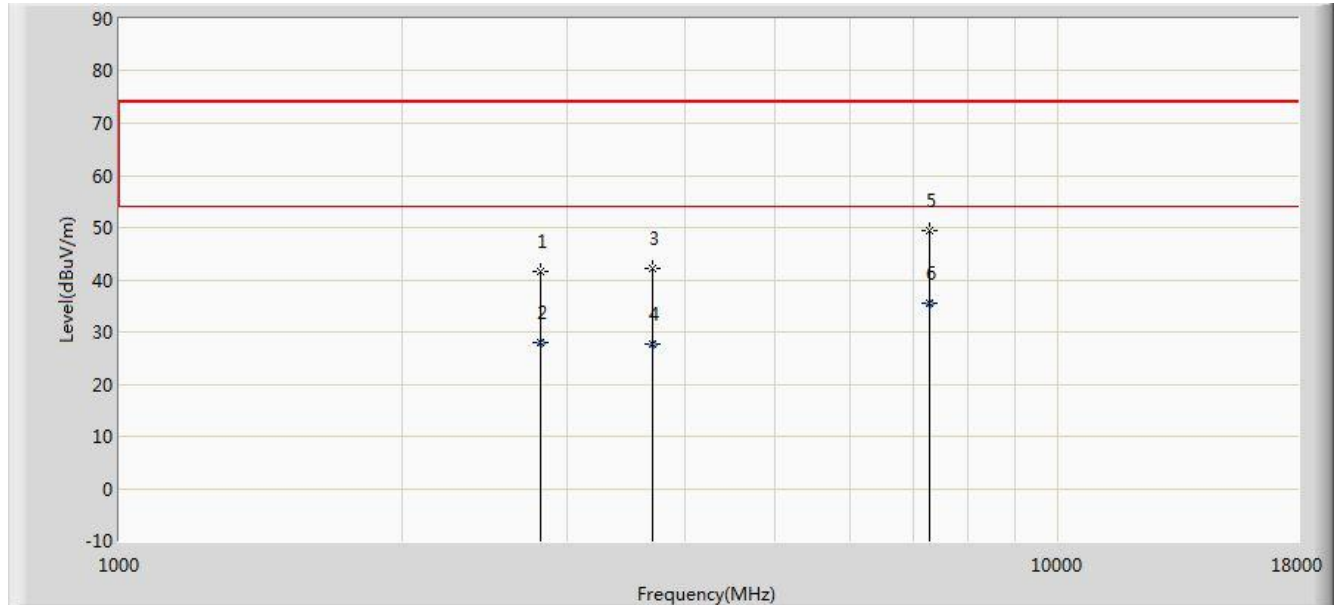


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2496.000	40.756	38.075	-33.244	74.000	2.681	PK
2			2496.154	27.781	25.100	-26.219	54.000	2.681	AV
3			3669.000	42.089	38.098	-31.911	74.000	3.991	PK
4			3669.072	28.691	24.700	-25.309	54.000	3.991	AV
5			6516.500	47.186	36.280	-26.814	74.000	10.906	PK
6		*	6516.609	33.206	22.300	-20.794	54.000	10.906	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier (dB)

Tested By	Roy Cheng	Test Data	2014/10/13 - 09:29
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Vertical
Antenna	BBHA9120D_1-18GHz	Test Mode	Mode 1

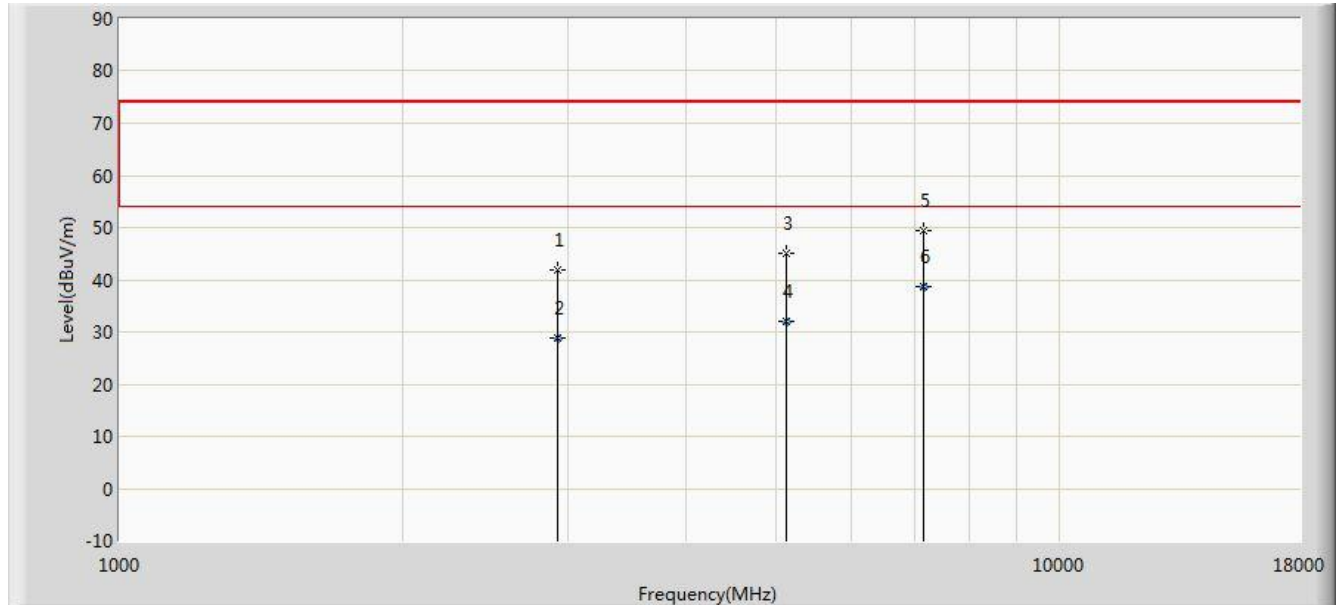


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2810.500	41.473	38.157	-32.527	74.000	3.316	PK
2			2810.583	27.916	24.600	-26.084	54.000	3.316	AV
3			3703.000	42.093	38.070	-31.907	74.000	4.023	PK
4			3703.137	27.823	23.800	-26.177	54.000	4.023	AV
5			7281.500	49.287	35.338	-24.713	74.000	13.949	PK
6		*	7281.652	35.550	21.600	-18.450	54.000	13.950	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier (dB)

Tested By	Roy Cheng	Test Data	2014/10/13 - 11:11
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Horizontal
Antenna	BBHA9120D_1-18GHz	Test Mode	Mode 2

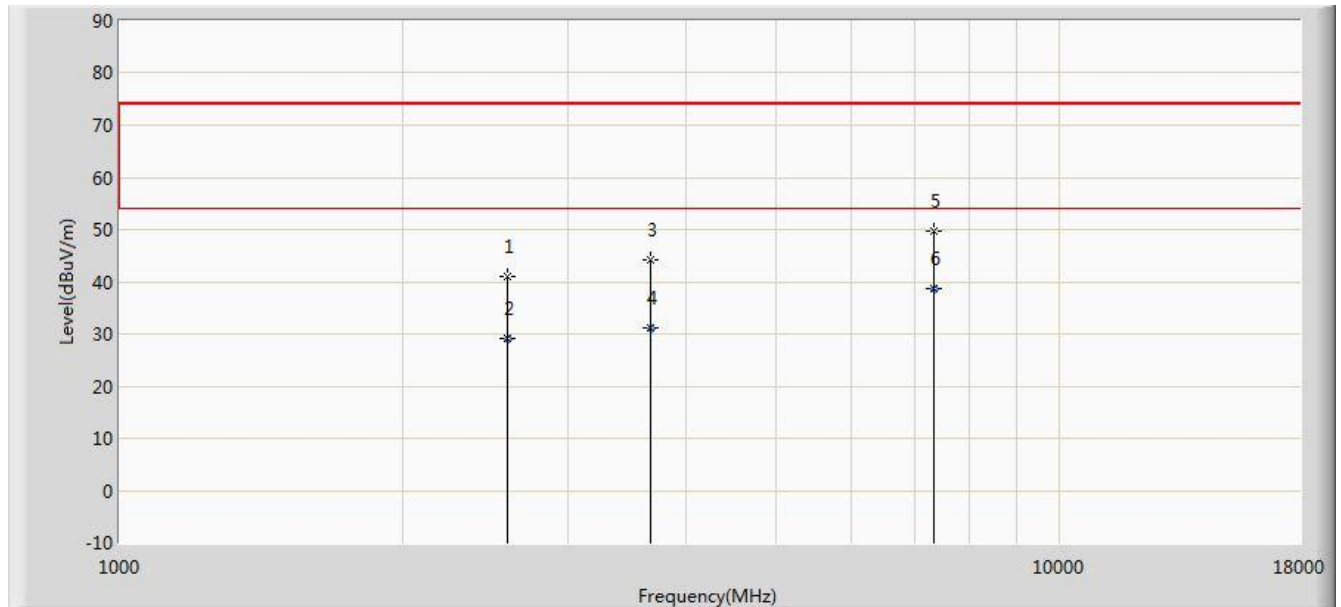


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2921.000	41.886	38.466	-32.114	74.000	3.420	PK
2			2921.105	28.920	25.500	-25.080	54.000	3.420	AV
3			5114.000	45.087	37.931	-28.913	74.000	7.156	PK
4			5114.038	31.956	24.800	-22.044	54.000	7.156	AV
5			7154.000	49.543	35.988	-24.457	74.000	13.555	PK
6		*	7154.051	38.655	25.100	-15.345	54.000	13.555	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier (dB)

Tested By	Roy Cheng	Test Data	2014/10/13 - 11:11
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_Part15.109_RE(3m)_Class B	Polarity	Vertical
Antenna	BBHA9120D_1-18GHz	Test Mode	Mode 2



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2589.500	40.943	38.073	-33.057	74.000	2.870	PK
2			2589.532	29.070	26.200	-24.930	54.000	2.870	AV
3			3677.500	44.115	40.118	-29.885	74.000	3.997	PK
4			3677.513	31.297	27.300	-22.703	54.000	3.997	AV
5			7358.000	49.684	35.653	-24.316	74.000	14.031	PK
6		*	7358.026	38.731	24.700	-15.269	54.000	14.031	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier (dB)

7. CONCLUSION

The data collected relate only the item(s) tested and show that the **10.1" PAD FCC ID: ROU00010** has been tested to comply with the requirements specified in §15.107 and §15.109 of the FCC Rules.

The End
