MRT Technology (Suzhou) Co., Ltd
Phone: +86-512-66308358
Fax: +86-512-66308368
Web: www.mrt-cert.com

Report No.: 1601RSU01003
Report Version: V02
Issue Date: 02-05-2016

MEASUREMENT REPORT
FCC Part 15B

FCC ID:	YZZGXV3240
APPLICANT:	Grandstream Networks, Inc.

Product:	IP Multimedia Phone
Model No.:	GXV3240
Brand Name:	Grandstream
FCC Classification:	FCC Class B Digital Device (JBP)
FCC Rule Part(s):	FCC Part 15 Subpart B: 2014
Test Procedure(s):	ANSI C63.4: 2014
Test Date:	January 12 ~ 20, 2016

Reviewed By : Robin Wu
(Robin Wu)

Approved By : Marlin Chen
(Marlin Chen)

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

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 C63.4-2014. Test results reported herein relate only to the item(s) tested.

Revision History

Report No.	Version	Description	Issue Date
1601RSU01003	Rev. 01	Initial report	01-21-2016
1601RSU01003	Rev. 02	Update the test setup diagram	02-05-2016

Note: The EUT has been got the FCC certificate (FCC ID: YZZGXV3240). The EUT adds two new adapters now and we have shown the conducted emission data and radiated emission data (below 1GHz) in the JBP report.

CONTENTS

Description Page

§2.1033 General Information

Applicant:	Grandstream Networks, Inc.
Applicant Address:	4th Floor, Rainbow Technology Building #16 New West Rd, Nanshan Science & Technology Park (North District), Shenzhen, China 518057
Manufacturer:	Grandstream Networks, Inc.
Manufacturer Address:	4th Floor, Rainbow Technology Building #16 New West Rd, Nanshan Science & Technology Park (North District), Shenzhen, China 518057
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.:	GXV3240
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering

Test Facility / Accreditations

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

- **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.**
- **MRT facility is an IC registered (MRT Reg. No. 11384A-1) test laboratory with the site description on file at Industry Canada.**
- **MRT facility is a VCCI registered (R-4179, G-814, C-4664, T-2206) test laboratory with the site description on file at VCCI Council.**
- **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.**

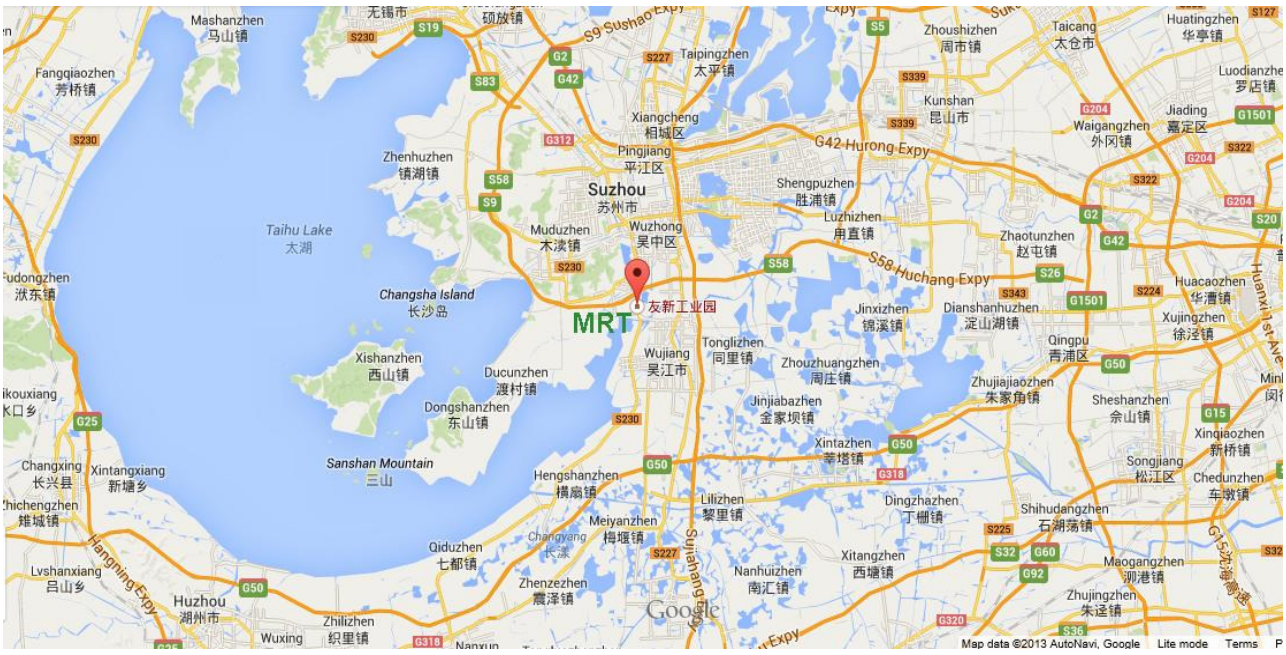
1. INTRODUCTION

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	IP Multimedia Phone
Model No.	GXV3240
Brand Name	Grandstream
802.11a/b/g/n	802.11a/b/g/n
v3.0 + HS, v4.0	v3.0 + HS, v4.0
BT Antenna	Small antenna with 2dBi peak gain
WiFi Antenna	FPC Antenna, 1T1R
Components	
Adapter #1	M/N: H18US1200150A Input: AC 100-240V ~ 50/60Hz, 0.8A max OUTPUT: 12Vdc, 1.5A
Adapter #2	M/N: F18W8-120150SPAUY Input: AC 100-240V ~ 50/60Hz, 0.6A OUTPUT: 12Vdc, 1.5A

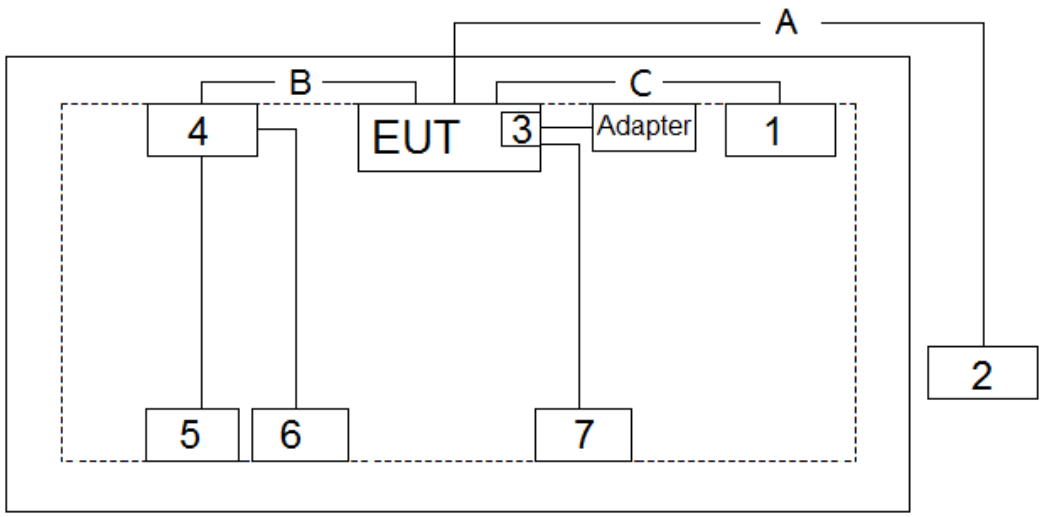
2.2. Test Mode

Pre-Test Mode	
EMI Mode	Mode 1: Audio Call with another IP Multimedia Phone, Communicate with PC and HDMI Out, Powered by Adapter #1 Mode 2: Audio Call with another IP Multimedia Phone, Communicate with PC and HDMI Out, Powered by Adapter #2 Mode 3: Video Call with another IP Multimedia Phone, Communicate with PC and HDMI Out, Powered by Adapter #1 Mode 4: Video Call with another IP Multimedia Phone, Communicate with PC and HDMI Out, Powered by Adapter #2
Final Test Mode	
EMI Mode	Mode 3: Video Call with another IP Multimedia Phone, Communicate with PC and HDMI Out, Powered by Adapter #1 Mode 4: Video Call with another IP Multimedia Phone, Communicate with PC and HDMI Out, Powered by Adapter #2

2.3. Test Configuration

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

Connection Diagram (Mode 3, 4)



Signal Cable Type		Signal Cable Description
A	LAN Cable	Non-Shielding, >10m
B	LAN Cable	Non-Shielding, 1.5m
C	HDMI Cable	Shielding, 1.5m

2.4. Test System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Television	Sony	KDL-40RM10B	2007861	Non-Shielded, 1.8m
2	IP Phone	Grandstream	GXV3275	N/A	N/A
3	SDHC Card	SanDisk	N/A	N/A	N/A
4	Notebook	Lenovo	X201	3626AM3	Non-Shielded, 1.8m
4	USB Keyboard	Dell	KB212	N/A	N/A
5	USB Mouse	Dell	MS111	N/A	N/A
6	USB Mouse	Dell	MS111	N/A	N/A

Remark: The auxiliary equipment notebook was authorized by FCC Declaration of Confirmation.

2.5. Test Software

1	Setup the EUT and simulators as shown on above.
2	(1), Make the EUT set-up as shown above. (2), Power on the EUT and works in “Video Call with another IP Multimedia Phone, Communicate with PC and HDMI Out Mode”. (3), Start to test.

2.6. EMI Suppression Device(s)/Modifications

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

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 C63.4-2014) was used in the measurement of the **IP Multimedia Phone**

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, 50Ω/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. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to 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 150 kHz to 30 MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9 kHz. 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 resolution, clock or data exchange speed, scrolling H pattern to the EUT and/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 are used for final measurements on the same test site.

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 30 MHz 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. For frequencies below 30 MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. 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, mode of operation, 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 beam-width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2016/11/03
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2016/11/03
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2016/11/03
Temperature/ Meter Humidity	Yuhuaze	N/A	MRTSUE06180	1 year	2016/12/20

Radiated Emissions - AC2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MRTSUE06124	1 year	2016/06/23
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2016/11/03
TRILOG Antenna	Schwarzbeck	VULB9168	MRTSUE06172	1 year	2016/12/10
Temperature/ Meter Humidity	Mingao	ETH529	MRTSUE06170	1 year	2016/11/29

Software	**Version**	**Function**
e3	V 8.3.5	EMI Test Software

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.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: 3.5dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 30MHz~1GHz: 4.07dB Vertical: 30MHz~1GHz: 4.18 dB

6. TEST RESULT

6.1. Summary

Company Name: **Grandstream Networks, Inc.**

Test Mode: **Video Call with another IP Multimedia Phone, Communicate with PC and HDMI Out Mode;**

FCC Part Section(s)	Test Description	Test Result
15.107	Conducted Emissions	Pass
15.109	Radiated Emissions	Pass

6.2. Conducted Emission Measurement

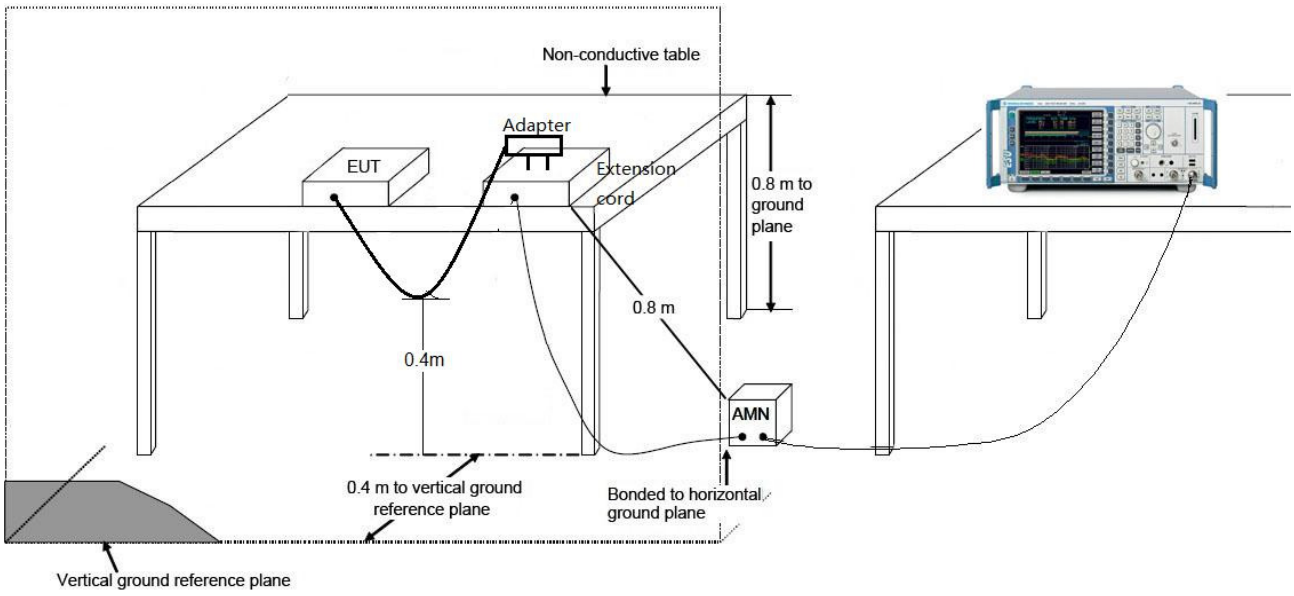
6.2.1. Test Limit

FCC Part 15.107 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
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.

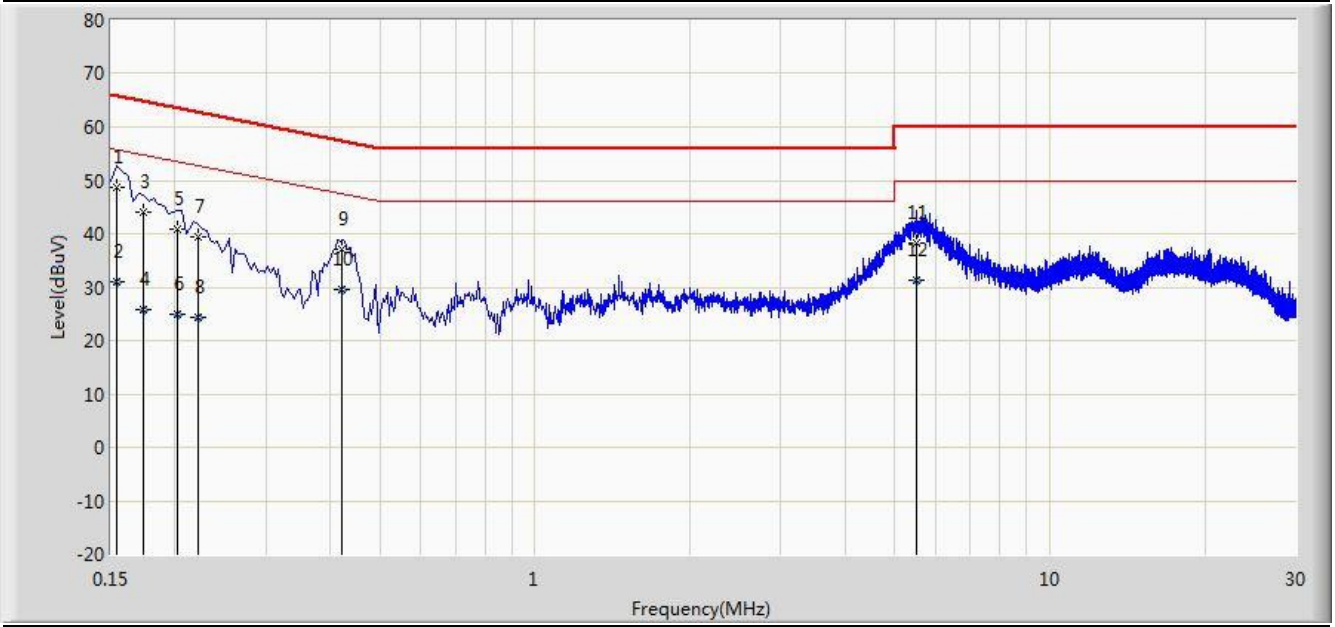
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.2.2. Test Setup



6.2.3. Test Result of Conducted Emissions

Site: SR2	Time: 2016/01/12 - 15:43
Limit: FCC_Part15.107_CE_AC Power_Class B	Engineer: Vince Yu
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 3	

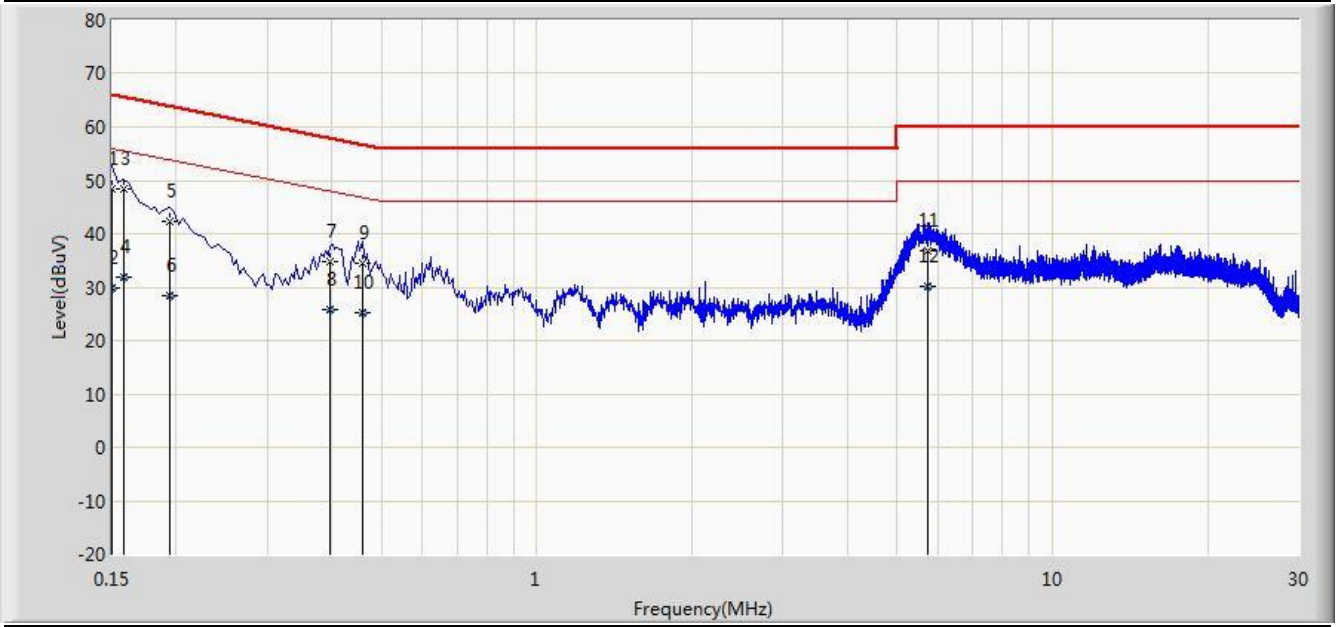


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	48.704	37.964	-17.077	65.781	10.740	QP
2			0.154	30.987	20.247	-24.795	55.781	10.740	AV
3			0.174	43.976	33.908	-20.791	64.767	10.068	QP
4			0.174	25.917	15.849	-28.850	54.767	10.068	AV
5			0.202	40.800	30.807	-22.728	63.528	9.993	QP
6			0.202	24.999	15.007	-28.528	53.528	9.993	AV
7			0.222	39.468	29.527	-23.276	62.744	9.941	QP
8			0.222	24.353	14.413	-28.390	52.744	9.941	AV
9			0.422	37.033	26.930	-20.376	57.409	10.104	QP
10			0.422	29.546	19.442	-17.863	47.409	10.104	AV
11			5.522	38.123	28.051	-21.877	60.000	10.072	QP
12			5.522	31.424	21.352	-18.576	50.000	10.072	AV

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

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

Site: SR2	Time: 2016/01/12 - 15:48
Limit: FCC_Part15.107_CE_AC Power_Class B	Engineer: Vince Yu
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 3	

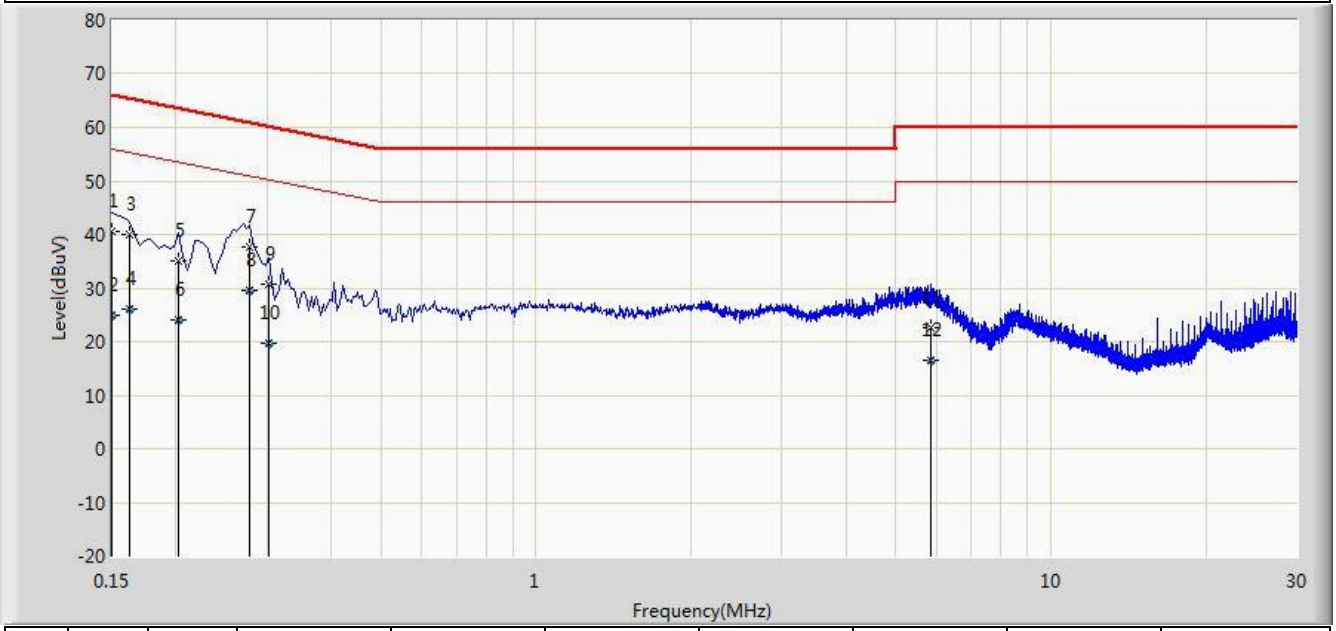


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	48.451	37.309	-17.549	66.000	11.142	QP
2			0.150	29.793	18.651	-26.207	56.000	11.142	AV
3		*	0.158	48.295	38.005	-17.273	65.568	10.290	QP
4			0.158	32.008	21.718	-23.560	55.568	10.290	AV
5			0.194	42.212	32.190	-21.652	63.864	10.021	QP
6			0.194	28.397	18.376	-25.467	53.864	10.021	AV
7			0.398	34.695	24.584	-23.200	57.895	10.111	QP
8			0.398	25.776	15.666	-22.119	47.895	10.111	AV
9			0.458	34.434	24.278	-22.295	56.729	10.156	QP
10			0.458	25.276	15.121	-21.452	46.729	10.156	AV
11			5.718	36.798	26.685	-23.202	60.000	10.113	QP
12			5.718	30.072	19.959	-19.928	50.000	10.113	AV

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

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

Site: SR2	Time: 2016/01/12 - 16:22
Limit: FCC_Part15.107_CE_AC Power_ClassB	Engineer: Vince Yu
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 4	

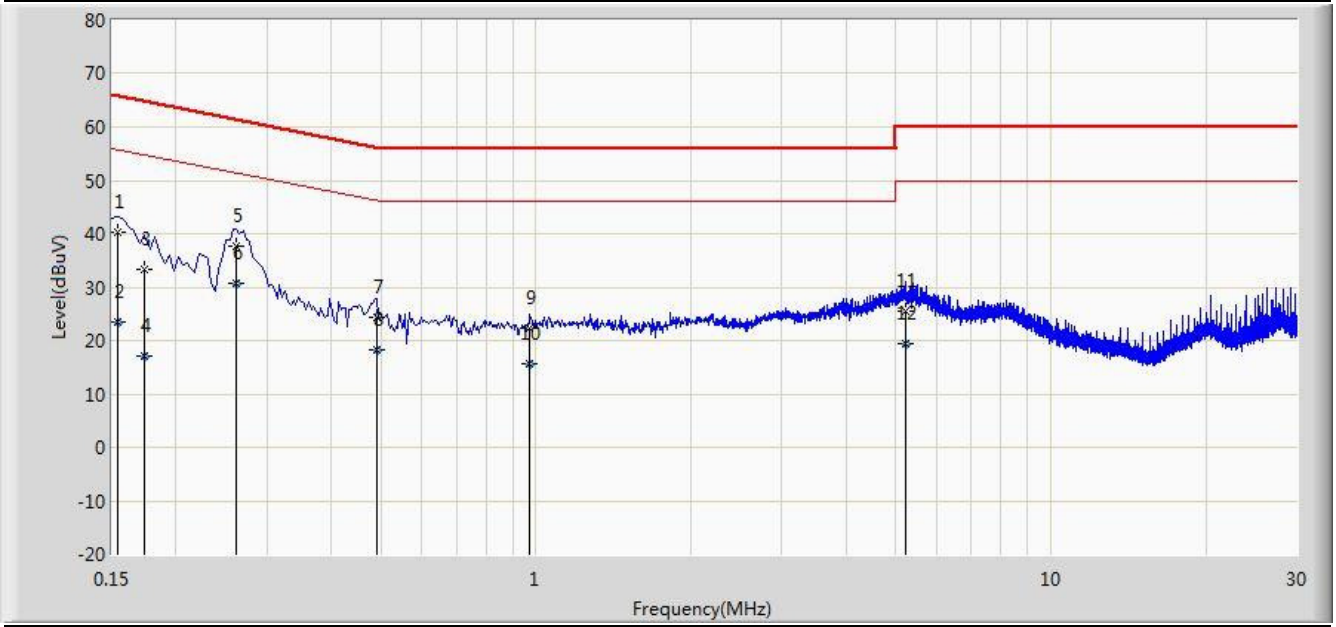


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	40.504	29.336	-25.496	66.000	11.168	QP
2			0.150	24.842	13.673	-31.158	56.000	11.168	AV
3			0.162	39.915	29.818	-25.445	65.361	10.097	QP
4			0.162	26.162	16.065	-29.199	55.361	10.097	AV
5			0.202	34.946	24.953	-28.582	63.528	9.993	QP
6			0.202	24.091	14.098	-29.437	53.528	9.993	AV
7			0.278	37.567	27.581	-23.308	60.875	9.986	QP
8		*	0.278	29.592	19.606	-21.283	50.875	9.986	AV
9			0.302	30.679	20.673	-29.509	60.188	10.006	QP
10			0.302	19.665	9.659	-30.523	50.188	10.006	AV
11			5.826	22.674	12.577	-37.326	60.000	10.097	QP
12			5.826	16.452	6.355	-33.548	50.000	10.097	AV

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

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

Site: SR2	Time: 2016/01/12 - 16:30
Limit: FCC_Part15.107_CE_AC Power_ClassB	Engineer: Vince Yu
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 4	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	40.163	29.448	-25.618	65.781	10.716	QP
2			0.154	23.586	12.871	-32.195	55.781	10.716	AV
3			0.174	33.194	23.137	-31.573	64.767	10.057	QP
4			0.174	17.223	7.166	-37.545	54.767	10.057	AV
5			0.262	37.730	27.720	-23.638	61.368	10.010	QP
6		*	0.262	30.625	20.615	-20.743	51.368	10.010	AV
7			0.490	24.456	14.277	-31.711	56.168	10.179	QP
8			0.490	18.118	7.939	-28.050	46.168	10.179	AV
9			0.974	22.224	12.301	-33.776	56.000	9.923	QP
10			0.974	15.719	5.796	-30.281	46.000	9.923	AV
11			5.210	25.425	15.370	-34.575	60.000	10.056	QP
12			5.210	19.419	9.364	-30.581	50.000	10.056	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + 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 (dBμV/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 (dBμV/m) = 20 log E field strength (uV/m)

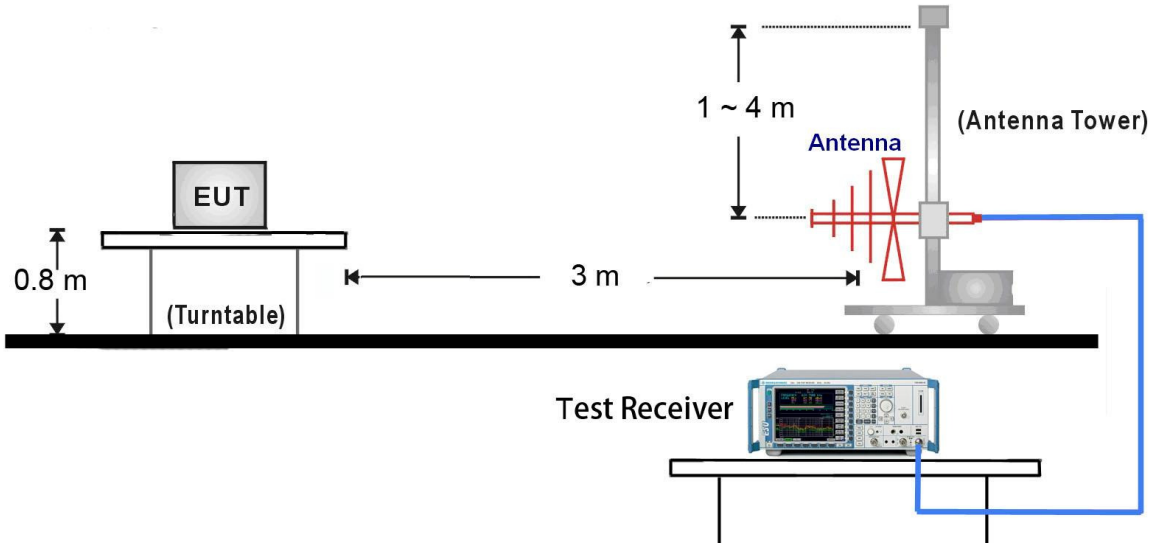
6.3.2. Test Frequency selected

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

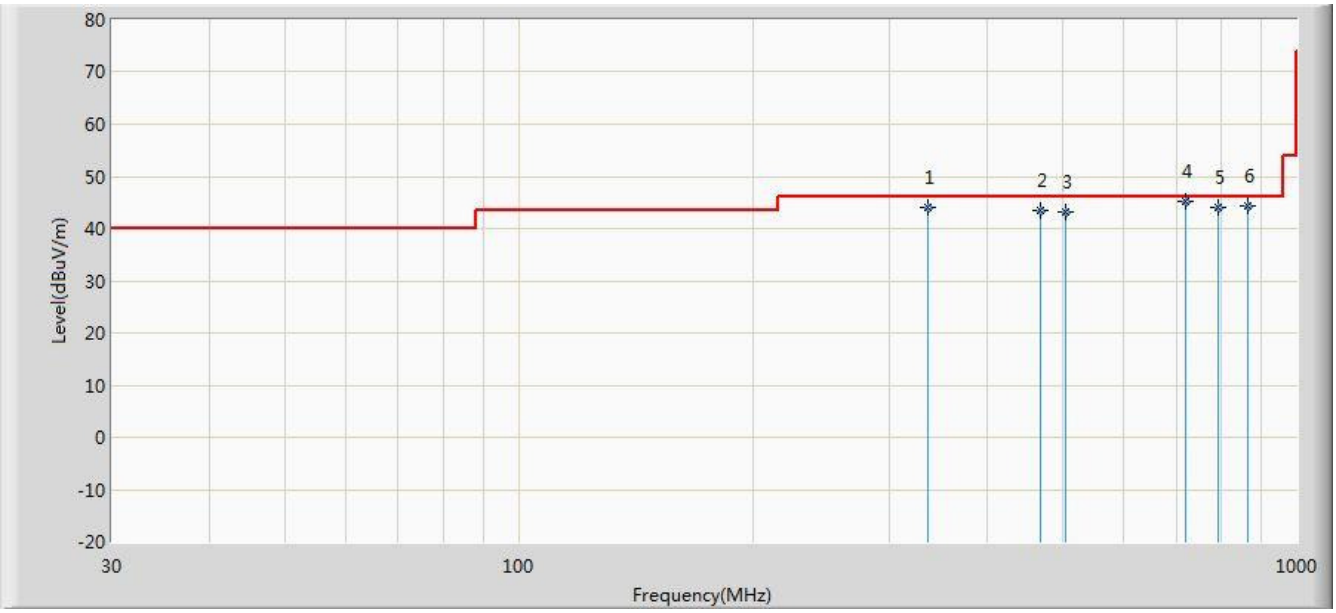
6.3.3. Test Setup

30MHz ~ 1GHz Test Setup:



6.3.4. Test Result of Radiated Emissions

Site: AC2	Time: 2016/01/20 - 15:44
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 3	

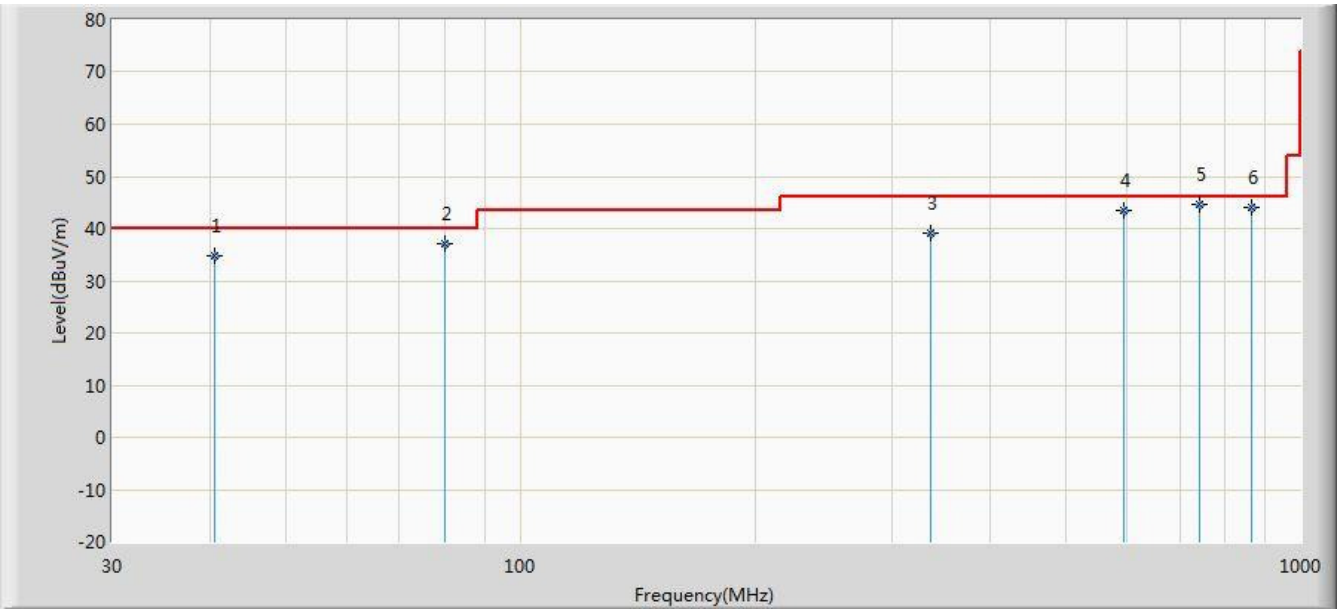


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			336.035	44.077	28.507	-1.923	46.000	15.570	QP
2			467.955	43.390	25.629	-2.610	46.000	17.761	QP
3			503.845	43.045	24.661	-2.955	46.000	18.384	QP
4		*	720.155	45.098	23.212	-0.902	46.000	21.886	QP
5			791.935	44.111	21.350	-1.889	46.000	22.761	QP
6			864.200	44.205	20.360	-1.795	46.000	23.845	QP

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

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

Site: AC2	Time: 2016/01/20 - 15:44
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 3	

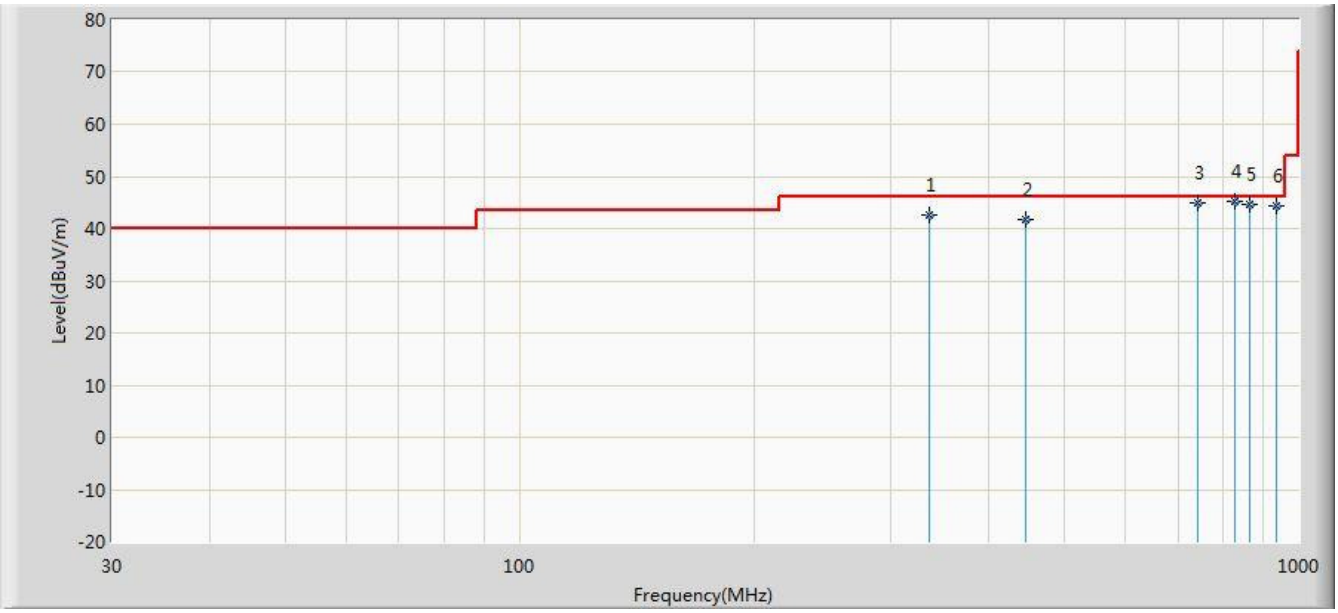


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			40.670	34.850	20.860	-5.150	40.000	13.989	QP
2			79.955	37.221	27.836	-2.779	40.000	9.385	QP
3			336.035	39.214	23.644	-6.786	46.000	15.570	QP
4			594.055	43.530	23.522	-2.470	46.000	20.008	QP
5		*	742.465	44.781	22.606	-1.219	46.000	22.175	QP
6			864.200	43.933	20.088	-2.067	46.000	23.845	QP

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

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

Site: AC2	Time: 2016/01/20 - 15:44
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 4	

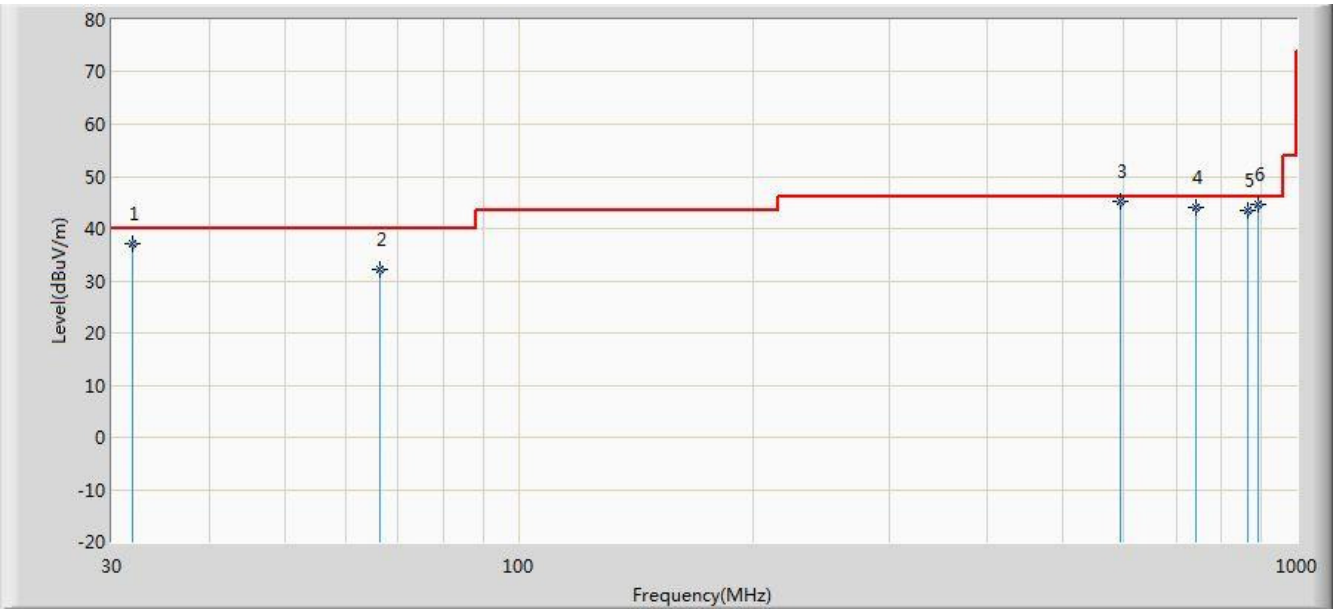


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			336.035	42.472	26.902	-3.528	46.000	15.570	QP
2			445.645	41.643	24.287	-4.357	46.000	17.356	QP
3			742.465	44.865	22.690	-1.135	46.000	22.175	QP
4		*	827.825	45.288	21.955	-0.712	46.000	23.333	QP
5			863.715	44.752	20.909	-1.248	46.000	23.842	QP
6			935.980	44.406	20.013	-1.594	46.000	24.394	QP

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

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

Site: AC2	Time: 2016/01/20 - 15:44
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: IP Multimedia Phone	Power: AC 120V/60Hz
Note: Mode 4	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			31.940	36.963	24.580	-3.037	40.000	12.383	QP
2			66.375	32.232	20.140	-7.768	40.000	12.092	QP
3		*	594.055	45.090	25.082	-0.910	46.000	20.008	QP
4			742.465	44.004	21.829	-1.996	46.000	22.175	QP
5			863.715	43.612	19.769	-2.388	46.000	23.842	QP
6			890.875	44.780	20.712	-1.220	46.000	24.068	QP

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

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

7. CONCLUSION

The data collected relate only the item(s) tested and show that the **IP Multimedia Phone FCC ID: YZZGXV3240** has been tested to comply with the requirements specified in §15.107 and §15.109 of the FCC Rules.

The End