MEASUREMENT REPORT
FCC Part 15B

FCC ID:	T2C-T40G
APPLICANT:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD

Application Type:	Certification
Product:	Ultra-elegant Gigabit IP Phone
Model No.:	SIP-T40G
Brand Name:	YEALINK
FCC Classification:	FCC Class B Digital Device (JBP)
FCC Rule Part(s):	FCC Part 15 Subpart B: 2016
Test Procedure(s):	ANSI C63.4: 2014
Test Date:	March 10 ~ 13, 2017

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	Note
1703RSU00901	Rev. 01	Initial Report	03-21-2017	Valid

CONTENTS

§2.1033 General Information

Applicant:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD
Applicant Address:	309, 3th Floor, No.16, Yun Ding North Road, Huli District, Xiamen City, Fujian, P.R. China
Manufacturer:	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD
Manufacturer Address:	309, 3th Floor, No.16, Yun Ding North Road, Huli District, Xiamen City, Fujian, P.R. 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.:	SIP-T40G
FCC ID:	T2C-T40G
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification:	FCC Class B Digital Device (JBP)

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.**

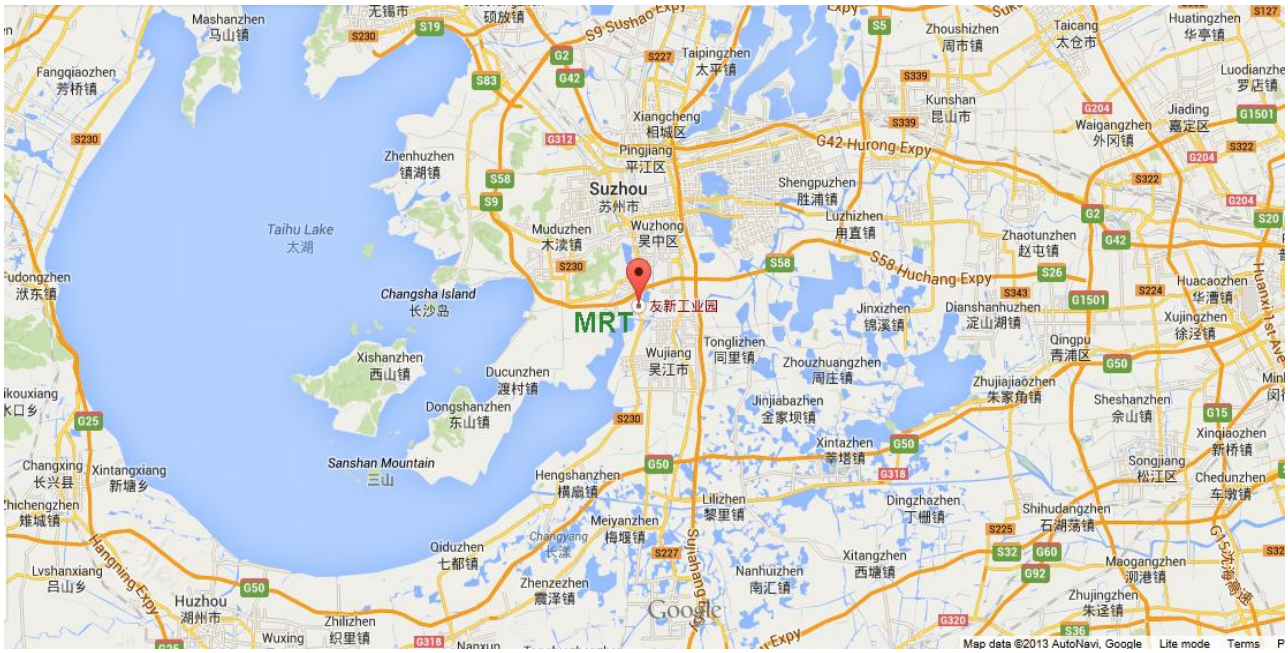
1. INTRODUCTION

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

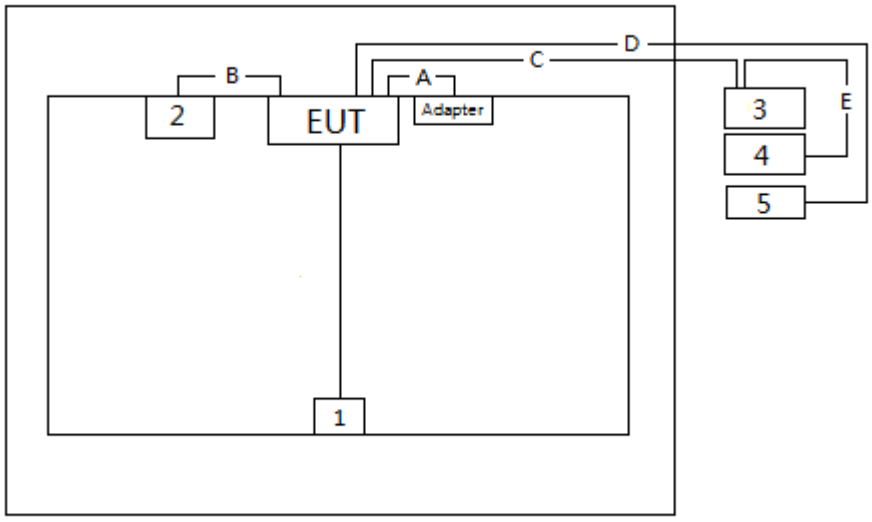
2.1. Equipment Description

Product Name	Ultra-elegant Gigabit IP Phone
Model No.	SIP-T40G
Adapter #1	M/N: YLPS050600C-US INPUT: 100-240V ~ 50/60Hz, 0.2A OUTPUT: 5Vdc, 0.6A
Adapter #2	M/N: OH-1006B0500600U-UL INPUT: 100-240V ~ 50/60Hz, 250mA OUTPUT: 5Vdc, 600mA

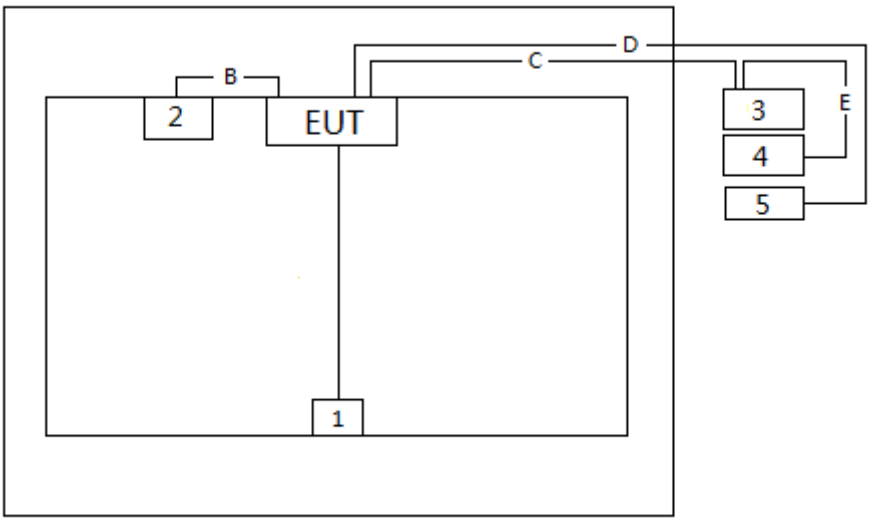
2.2. Test Configuration

The **Ultra-elegant Gigabit IP Phone FCC ID: T2C-T40G** was tested per the guidance FCC Part 15 Subpart B: 2016 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 1 & 2)



Connection Diagram(Mode 3)



Signal Cable Type		Signal Cable Description
A	Power Cable	Non-shielding, 1.8m
B	Telecom Cable	Non-shielding, 0.1m
C	LAN Cable	Non-shielding, > 10m
D	LAN Cable	Non-shielding, > 10m
E	LAN Cable	Non-shielding, 1m

2.3. 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	Headset	Yealink	N/A	N/A	N/A
2	EHS Box	Yealink	EHS36	8400316030007806	N/A
3	5-Port Gigabit PoE Switch with 1 Port PD and 4 Port PSE	VULCAN	VPS/05041GU	58152102310	Non-Shielded, 2m
4	IP Phone	Yealink	SIP-T40G	MAC 001565C0BD0E	Non-shielding, 1.8m
5	Notebook	Lenovo	E430c	MP-4CFX213/10	Non-Shielded, 1.8m

2.4. Test Software

Not applicable.

2.5. EMI Suppression Device(s)/Modifications

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

2.6. 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 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 18GHz (ANSI C63.4-2014) was used in the measurement of the **Ultra-elegant Gigabit IP Phone FCC ID: T2C-T40G.**

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	2017/06/20
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2017/06/20
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2017/06/20
Temperature/Humidity Meter	Yuhuaze	HTC-2	MRTSUE06182	1 year	2017/12/20
Shielding Anechoic Chamber	MIX-BEP	Chamber-SR2	MRTSUE06215	1 year	2017/05/10

Radiated Emissions - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
MXE EMI Receiver	Agilent	N9038A	MRTSUE06125	1 year	2017/08/03
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2017/03/29
TRILOG Antenna	Schwarzbeck	VULB9162	MRTSUE06022	1 year	2017/11/07
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06023	1 year	2017/11/07
Temperature/Humidity Meter	Yuhuaze	HTC-2	MRTSUE06170	1 year	2017/11/30
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06213	1 year	2017/05/10

Software	Version	Function
e3	V8.3.5	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 – SR2
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: 3.5dB
Radiated Emission Measurement – AC1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 30MHz~1GHz: 4.07dB 1GHz~18GHz: 4.16 dB Vertical: 30MHz~1GHz: 4.18 dB 1GHz~18GHz: 4.76 dB

6. TEST RESULT

6.1. Summary

Product Name: **Ultra-elegant Gigabit IP Phone**

FCC ID: **T2C-T40G**

FCC Classification: **FCC Class B Digital Device (JBP)**

Test Mode: **Mode 1: Power by adapter #1 and Communicate with another IP Phone**

Mode 2: Power by adapter #2 and Communicate with another IP Phone

Mode 3: Power by PoE and Communicate with another IP Phone

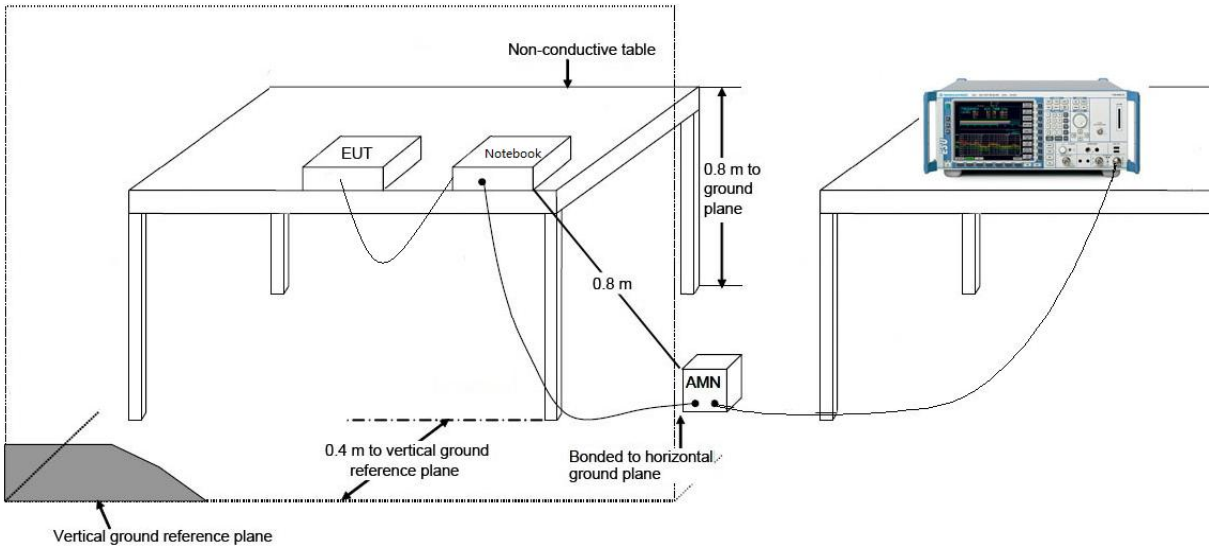
FCC Part Section(s)	Test Description	Test Result
15.107	Conducted Emissions	Pass
15.109	Radiated Emissions	Pass

6.2. Conducted Emission Measurement

6.2.1.Test Limit

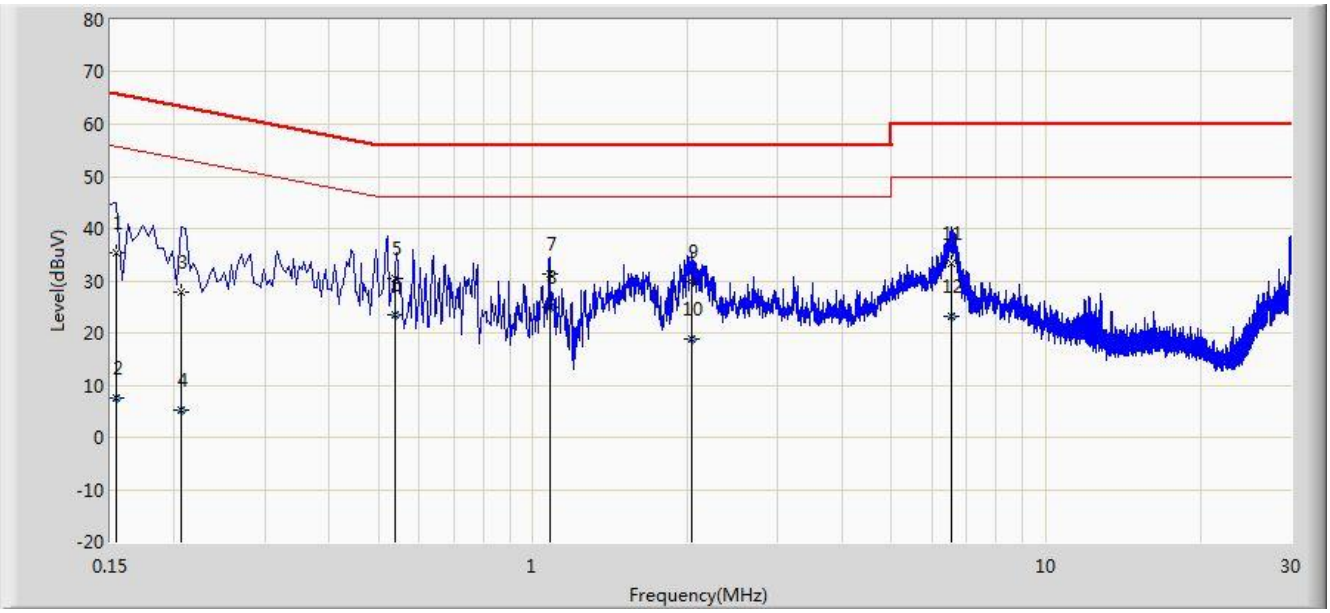
FCC Part 15.107 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

6.2.2.Test Setup



6.2.3.Test Result

Site: SR2	Time: 2017/03/10 - 02:14
Limit: FCC_Part15.107_CE_Class B	Engineer: Lewis Huang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 1	

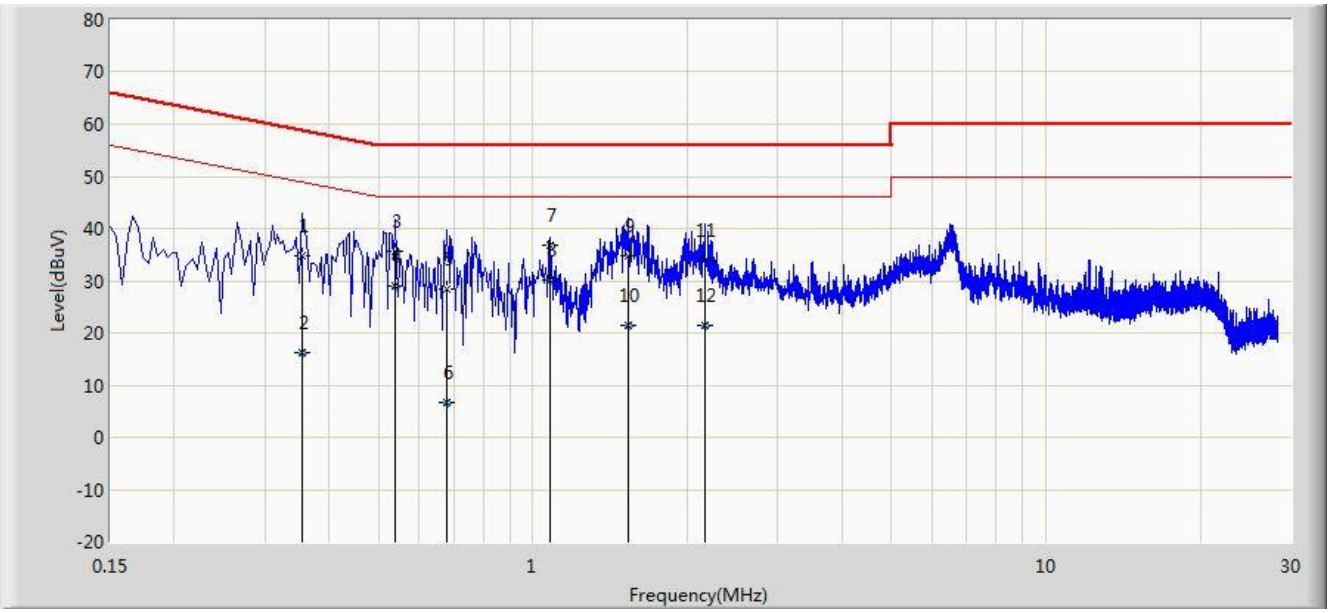


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	35.486	24.747	-30.295	65.781	10.740	QP
2			0.154	7.610	-3.129	-48.171	55.781	10.740	AV
3			0.206	27.891	17.910	-35.474	63.365	9.981	QP
4			0.206	5.085	-4.896	-48.280	53.365	9.981	AV
5			0.538	30.379	20.232	-25.621	56.000	10.147	QP
6			0.538	23.516	13.369	-22.484	46.000	10.147	AV
7			1.078	31.213	21.308	-24.787	56.000	9.905	QP
8		*	1.078	24.960	15.055	-21.040	46.000	9.905	AV
9			2.042	29.842	19.972	-26.158	56.000	9.869	QP
10			2.042	18.887	9.017	-27.113	46.000	9.869	AV
11			6.546	33.252	23.116	-26.748	60.000	10.136	QP
12			6.546	23.099	12.963	-26.901	50.000	10.136	AV

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

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

Site: SR2	Time: 2017/03/10 - 02:21
Limit: FCC_Part15.107_CE_Class B	Engineer: Lewis Huang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 1	

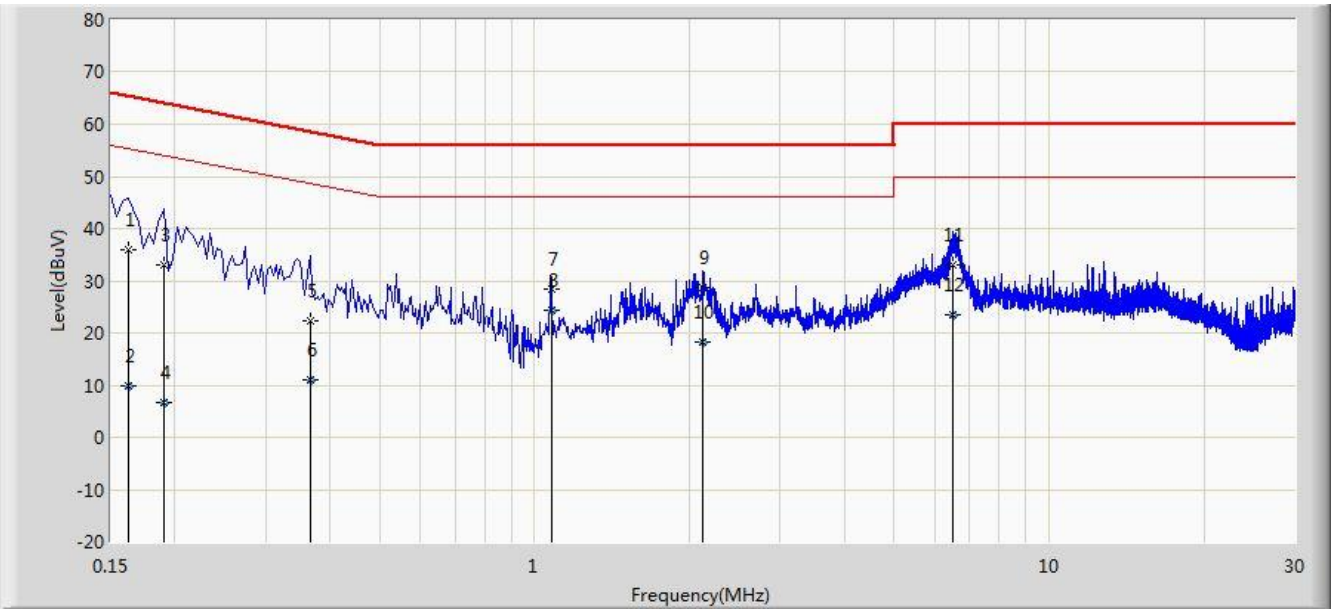


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.354	34.925	24.847	-23.943	58.868	10.078	QP
2			0.354	16.185	6.108	-32.683	48.868	10.078	AV
3			0.538	35.609	25.444	-20.391	56.000	10.166	QP
4			0.538	29.016	18.851	-16.984	46.000	10.166	AV
5			0.678	28.296	18.208	-27.704	56.000	10.087	QP
6			0.678	6.524	-3.563	-39.476	46.000	10.087	AV
7			1.078	36.795	26.889	-19.205	56.000	9.906	QP
8		*	1.078	30.081	20.175	-15.919	46.000	9.906	AV
9			1.530	34.810	24.922	-21.190	56.000	9.889	QP
10			1.530	21.351	11.462	-24.649	46.000	9.889	AV
11			2.158	33.874	24.004	-22.126	56.000	9.869	QP
12			2.158	21.576	11.706	-24.424	46.000	9.869	AV

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

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

Site: SR2	Time: 2017/03/10 - 02:26
Limit: FCC_Part15.107_CE_Class B	Engineer: Lewis Huang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 2	

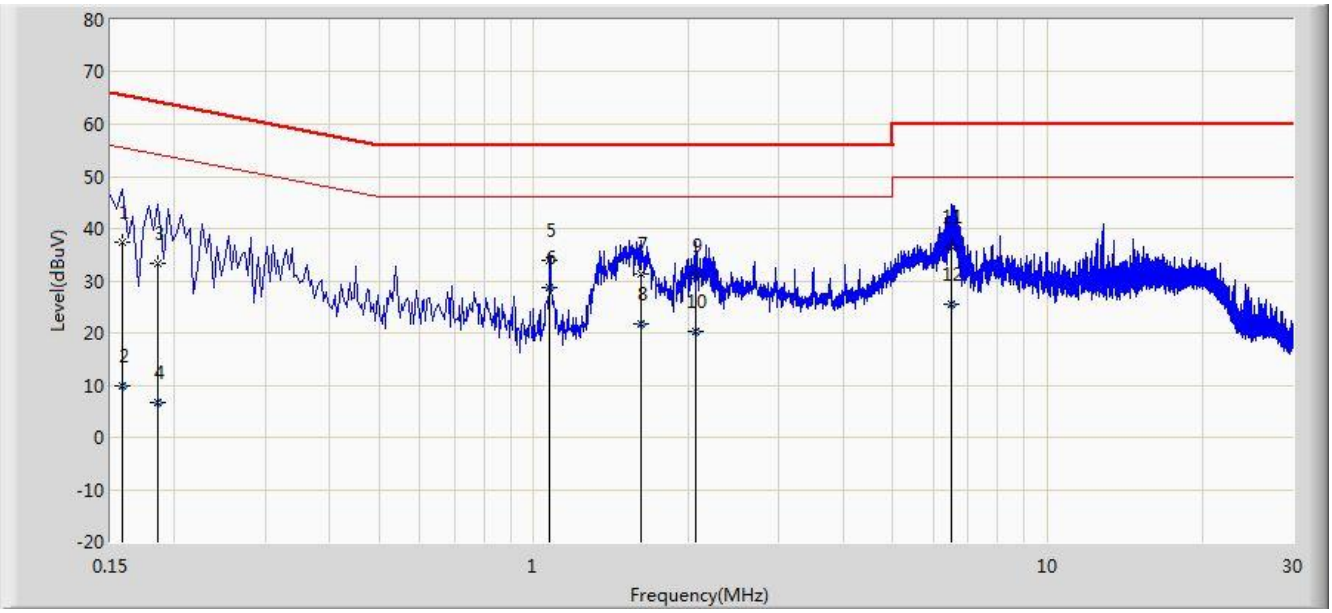


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.162	35.818	25.721	-29.543	65.361	10.097	QP
2			0.162	9.810	-0.287	-45.551	55.361	10.097	AV
3			0.190	33.088	23.060	-30.948	64.037	10.029	QP
4			0.190	6.536	-3.493	-47.500	54.037	10.029	AV
5			0.366	22.196	12.138	-36.395	58.591	10.058	QP
6			0.366	10.948	0.890	-37.644	48.591	10.058	AV
7			1.078	28.477	18.572	-27.523	56.000	9.905	QP
8		*	1.078	24.466	14.560	-21.534	46.000	9.905	AV
9			2.118	28.587	18.719	-27.413	56.000	9.868	QP
10			2.118	18.276	8.408	-27.724	46.000	9.868	AV
11			6.490	33.174	23.050	-26.826	60.000	10.124	QP
12			6.490	23.344	13.220	-26.656	50.000	10.124	AV

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

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

Site: SR2	Time: 2017/03/10 - 02:29
Limit: FCC_Part15.107_CE_Class B	Engineer: Lewis Huang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.158	37.387	27.098	-28.181	65.568	10.290	QP
2			0.158	9.944	-0.345	-45.624	55.568	10.290	AV
3			0.186	33.216	23.181	-30.997	64.213	10.035	QP
4			0.186	6.653	-3.382	-47.561	54.213	10.035	AV
5			1.074	33.843	23.937	-22.157	56.000	9.906	QP
6		*	1.074	28.624	18.718	-17.376	46.000	9.906	AV
7			1.614	31.432	21.546	-24.568	56.000	9.887	QP
8			1.614	21.712	11.826	-24.288	46.000	9.887	AV
9			2.066	30.922	21.050	-25.078	56.000	9.872	QP
10			2.066	20.177	10.305	-25.823	46.000	9.872	AV
11			6.490	36.649	26.513	-23.351	60.000	10.137	QP
12			6.490	25.434	15.297	-24.566	50.000	10.137	AV

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

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

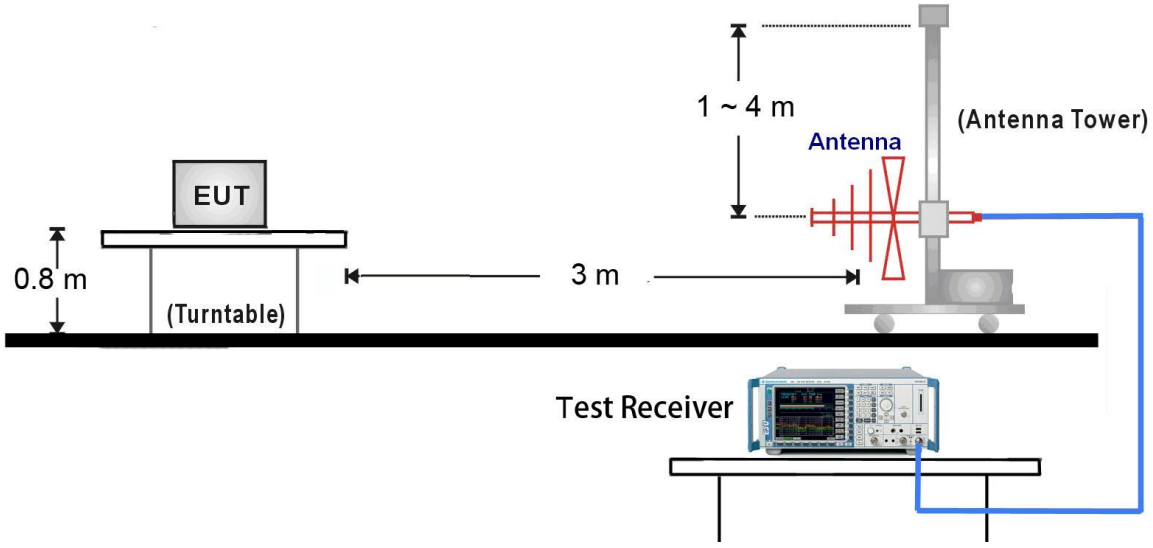
6.3. Radiated Emission Measurement

6.3.1.Test Limit

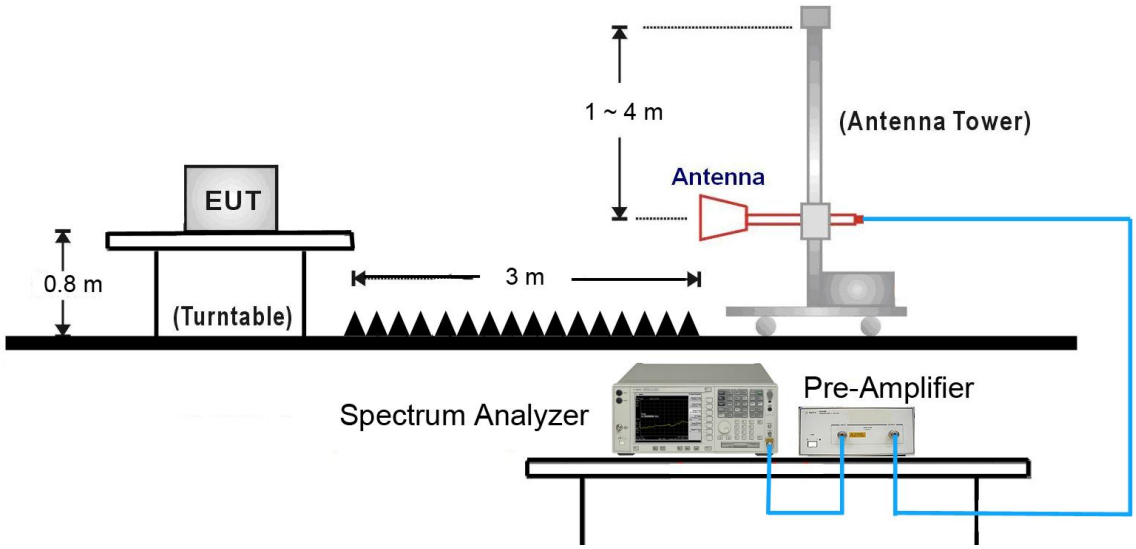
FCC Part 15.109 Limits		
Frequency (MHz)	Distance (m)	Level (dBμV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54
Note 1: The lower limit shall apply at the transition frequency. Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point 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 Setup

30MHz ~ 1GHz Test Setup:

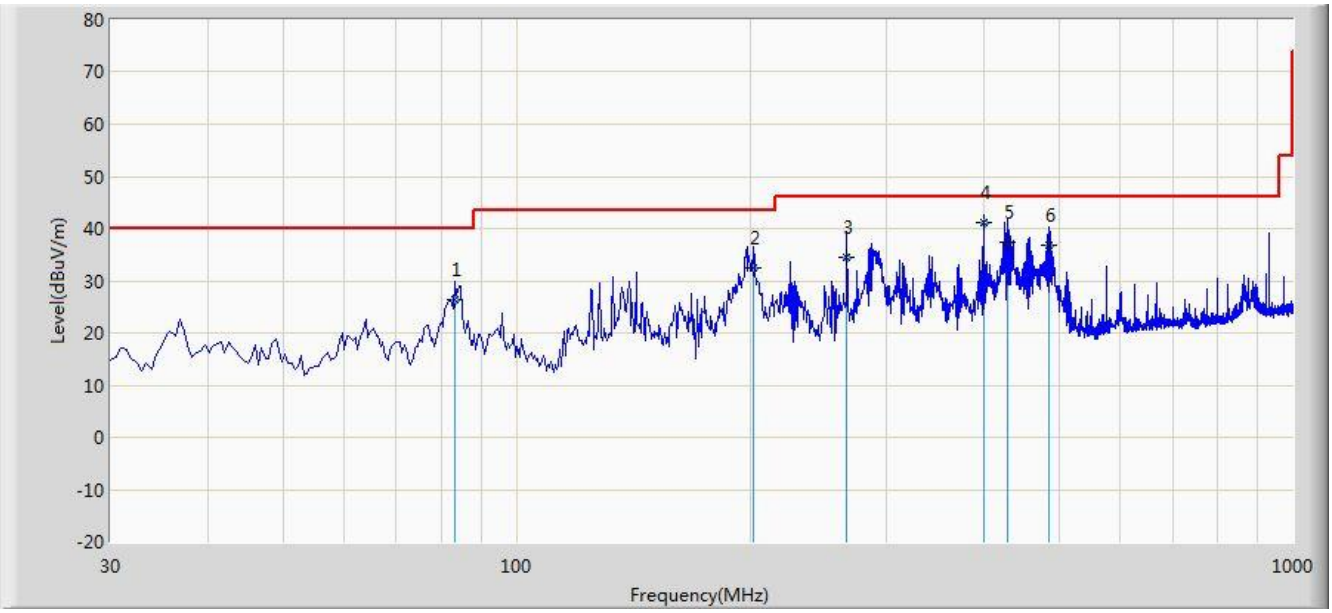


1GHz ~18GHz Test Setup:



6.3.3.Test Result

Site: AC1	Time: 2017/03/10 - 00:58
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 1	

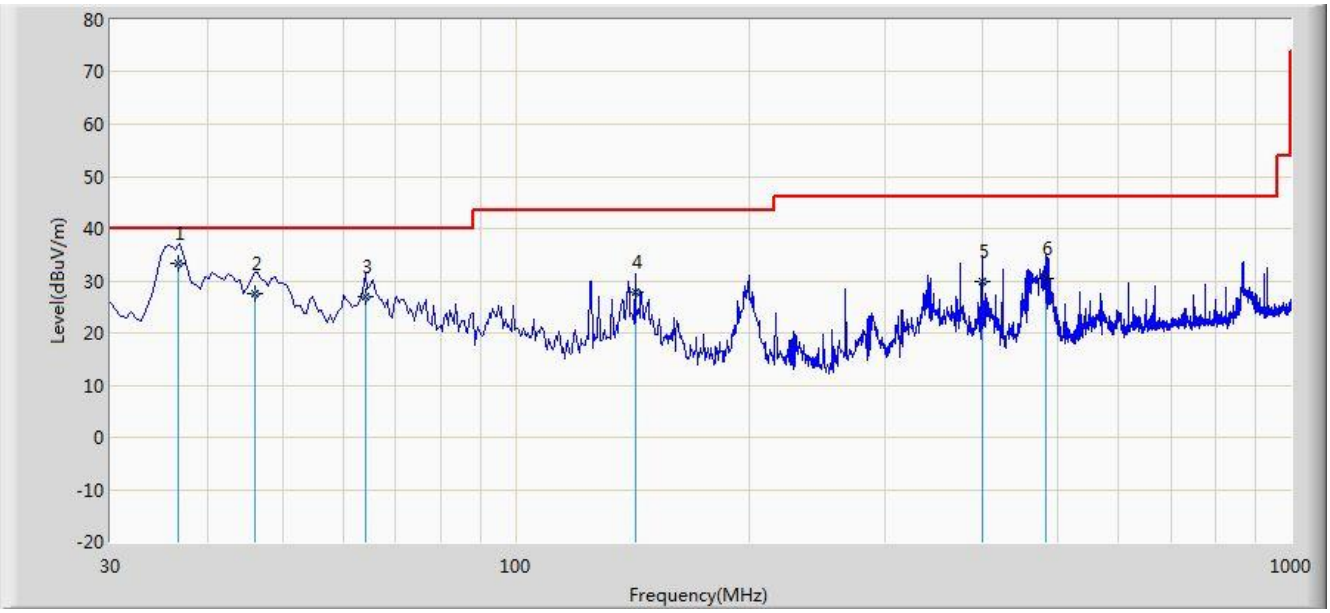


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			83.350	26.435	16.350	-13.565	40.000	10.085	100	152	QP
2			202.175	32.446	21.300	-11.054	43.500	11.146	100	226	QP
3			266.680	34.418	21.030	-11.582	46.000	13.388	100	325	QP
4		*	400.000	41.191	24.700	-4.809	46.000	16.490	254	339	QP
5			429.155	37.326	20.030	-8.674	46.000	17.296	165	245	QP
6			485.900	36.912	18.640	-9.088	46.000	18.272	100	136	QP

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

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

Site: AC1	Time: 2017/03/10 - 01:02
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 1	

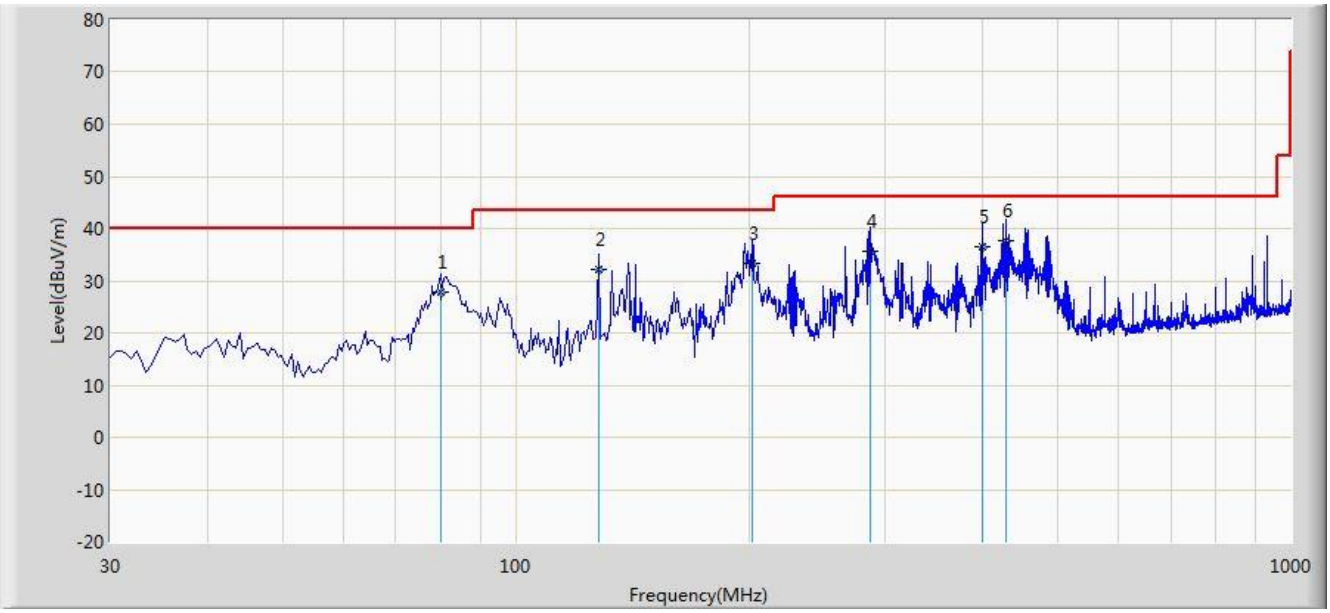


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		*	36.710	33.268	19.200	-6.732	40.000	14.069	100	236	QP
2			46.005	27.409	13.260	-12.591	40.000	14.149	100	228	QP
3			63.950	27.047	14.410	-12.953	40.000	12.637	100	176	QP
4			142.520	27.909	13.250	-15.591	43.500	14.659	100	110	QP
5			400.055	29.852	13.360	-16.148	46.000	16.492	100	246	QP
6			483.475	30.477	12.250	-15.523	46.000	18.227	100	330	QP

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

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

Site: AC1	Time: 2017/03/10 - 00:52
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 2	

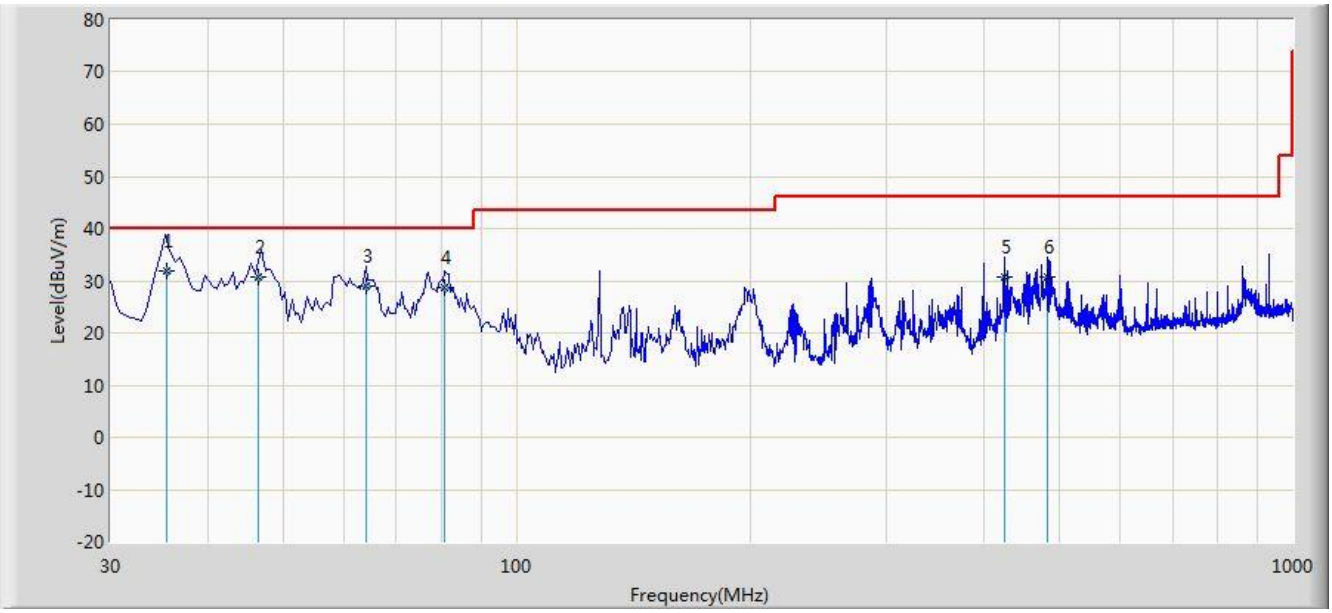


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			79.955	27.734	17.650	-12.266	40.000	10.084	100	274	QP
2			127.970	32.235	18.630	-11.265	43.500	13.605	100	136	QP
3			202.175	33.466	22.320	-10.034	43.500	11.146	100	246	QP
4			286.565	35.602	21.630	-10.398	46.000	13.973	100	49	QP
5			400.055	36.502	20.010	-9.498	46.000	16.492	248	322	QP
6		*	429.620	37.654	20.350	-8.346	46.000	17.304	177	145	QP

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

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

Site: AC1	Time: 2017/03/10 - 00:52
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 2	

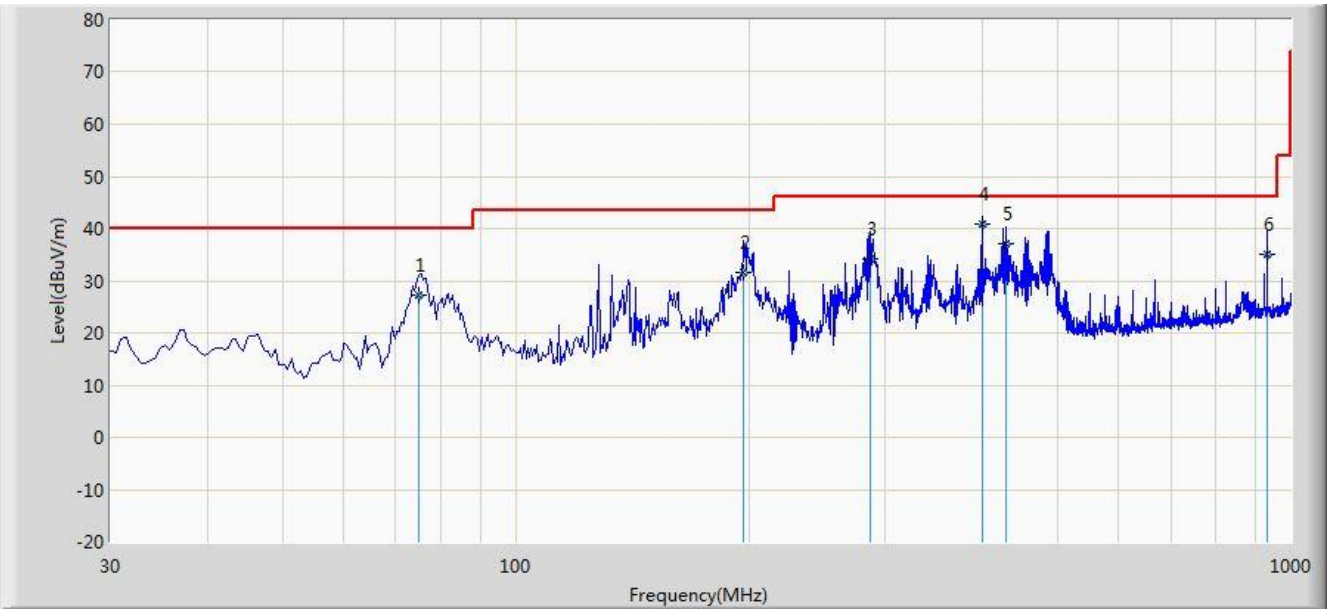


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		*	35.370	31.893	18.000	-8.107	40.000	13.893	100	153	QP
2			46.503	30.638	16.500	-9.362	40.000	14.138	100	225	QP
3			63.950	28.987	16.350	-11.013	40.000	12.637	100	323	QP
4			80.925	28.689	18.630	-11.311	40.000	10.059	100	196	QP
5			424.790	30.809	13.620	-15.191	46.000	17.189	100	28	QP
6			483.475	30.847	12.620	-15.153	46.000	18.227	100	94	QP

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

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

Site: AC1	Time: 2017/03/10 - 00:35
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Ultra-elegant Gigabit IP Phone	Power: By POE
Test Mode 3	

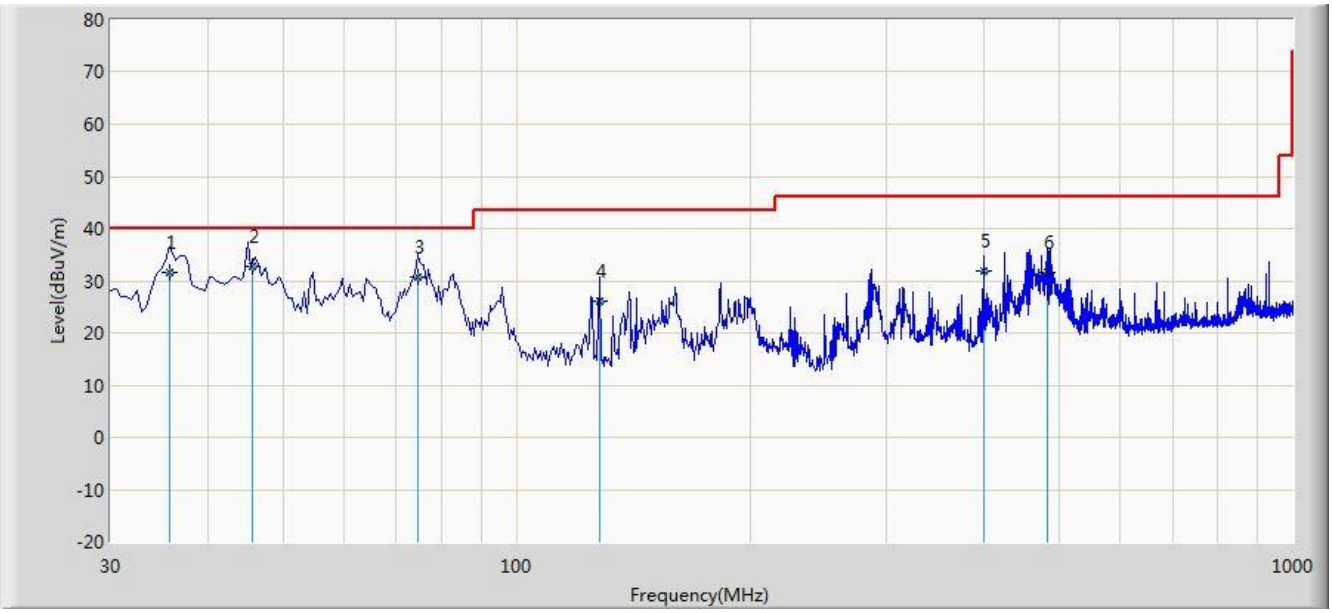


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			75.105	27.364	16.630	-12.636	40.000	10.734	100	135	QP
2			196.950	31.662	20.400	-11.838	43.500	11.262	100	44	QP
3			286.565	34.332	20.360	-11.668	46.000	13.973	100	156	QP
4		*	400.000	40.891	24.400	-5.109	46.000	16.490	256	319	QP
5			429.155	36.976	19.680	-9.024	46.000	17.296	100	234	QP
6			933.555	35.037	10.250	-10.963	46.000	24.786	168	221	QP

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

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

Site: AC1	Time: 2017/03/10 - 00:42
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Ultra-elegant Gigabit IP Phone	Power: By POE
Test Mode 3	

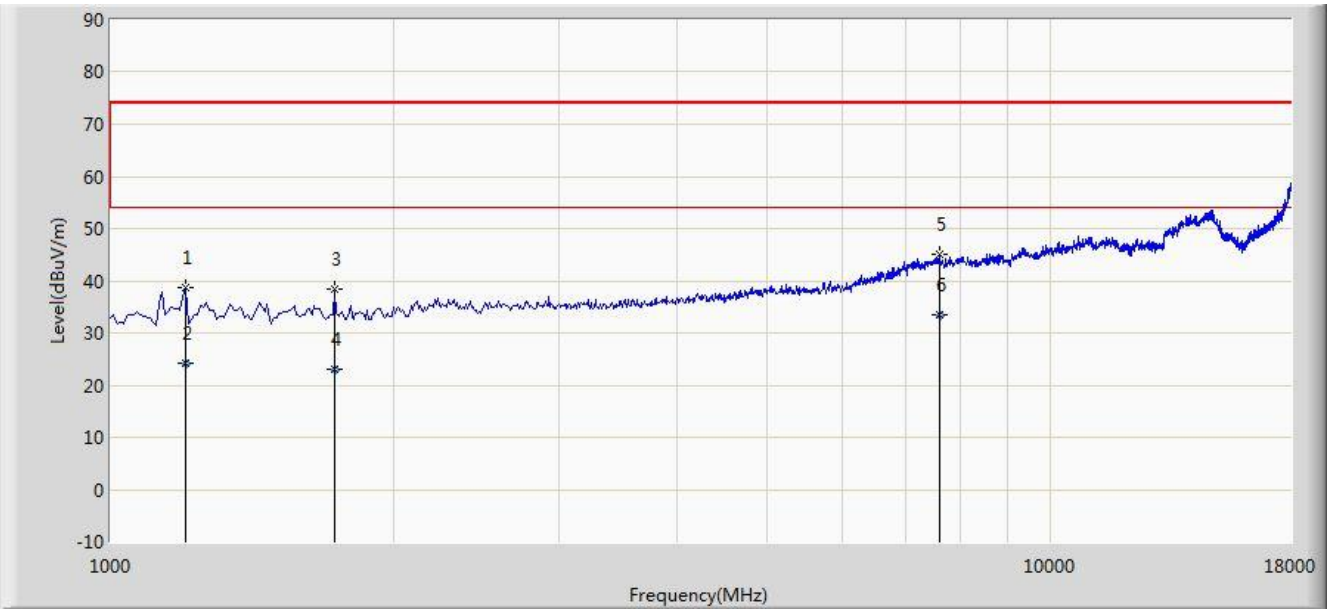


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			35.740	31.725	17.800	-8.275	40.000	13.924	100	124	QP
2		*	45.770	32.774	18.620	-7.226	40.000	14.153	100	241	QP
3			74.620	30.834	20.030	-9.166	40.000	10.804	100	16	QP
4			127.970	26.125	12.520	-17.375	43.500	13.605	100	227	QP
5			400.055	31.852	15.360	-14.148	46.000	16.492	100	325	QP
6			483.475	31.487	13.260	-14.513	46.000	18.227	100	241	QP

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

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

Site: AC1	Time: 2017/03/10 - 00:07
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 1	

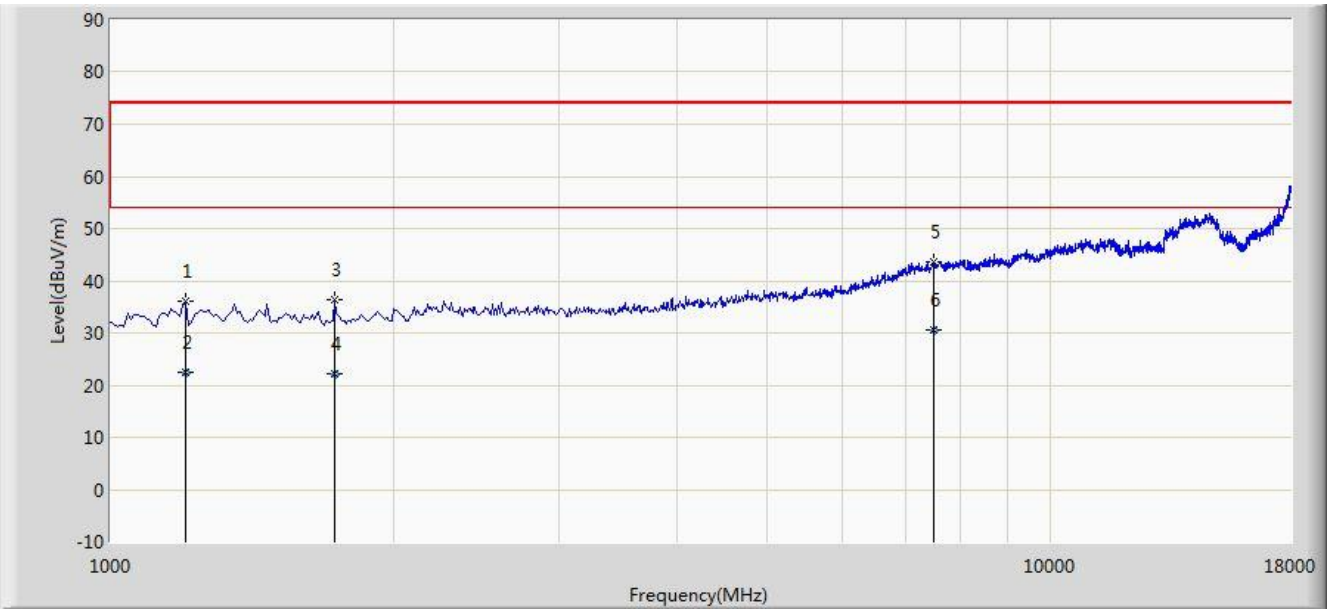


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			1204.000	38.817	47.984	-35.183	74.000	-9.167	100	165	PK
2			1204.000	24.083	33.250	-29.917	54.000	-9.167	100	74	AV
3			1731.000	38.402	45.737	-35.598	74.000	-7.335	100	255	PK
4			1731.000	22.915	30.250	-31.085	54.000	-7.335	100	185	AV
5			7621.500	44.932	36.883	-29.068	74.000	8.048	100	46	PK
6		*	7621.500	33.459	25.410	-20.541	54.000	8.048	100	315	AV

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

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

Site: AC1	Time: 2017/03/10 - 00:10
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 1	

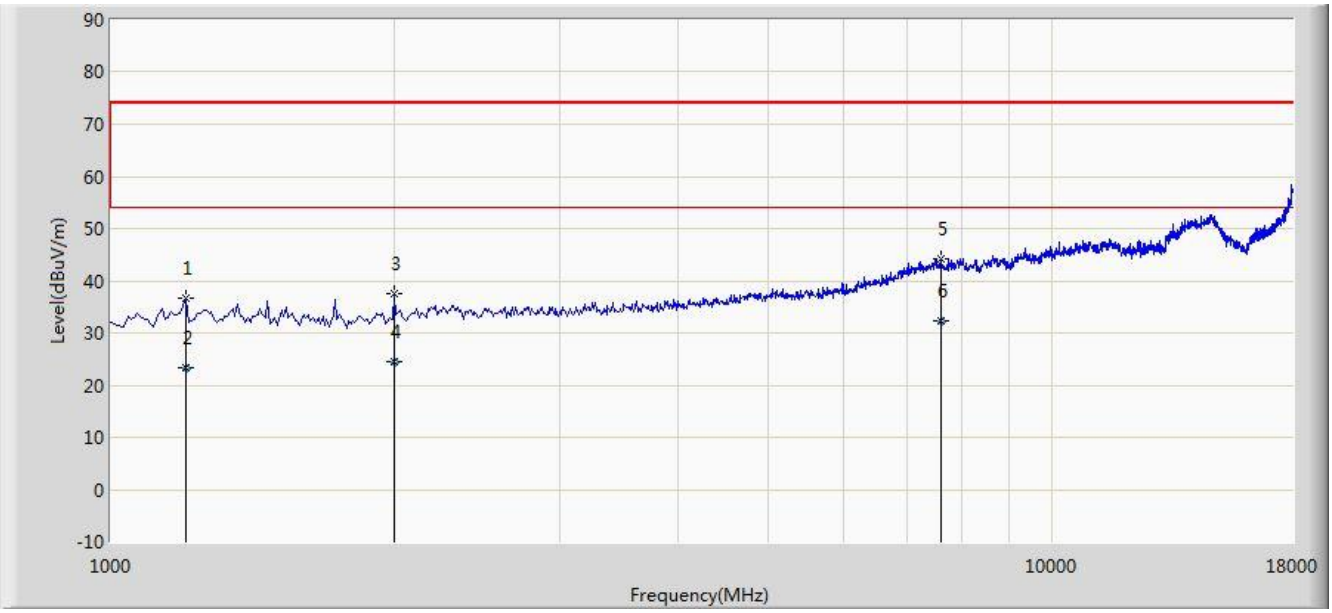


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			1204.000	35.975	45.142	-38.025	74.000	-9.167	100	325	PK
2			1204.000	22.453	31.620	-31.547	54.000	-9.167	100	221	AV
3			1731.000	36.239	43.574	-37.761	74.000	-7.335	100	265	PK
4			1731.000	22.295	29.630	-31.705	54.000	-7.335	100	186	AV
5			7519.500	43.590	35.295	-30.410	74.000	8.295	100	45	PK
6		*	7519.500	30.715	22.420	-23.285	54.000	8.295	100	174	AV

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

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

Site: AC1	Time: 2017/03/10 - 00:11
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 2	

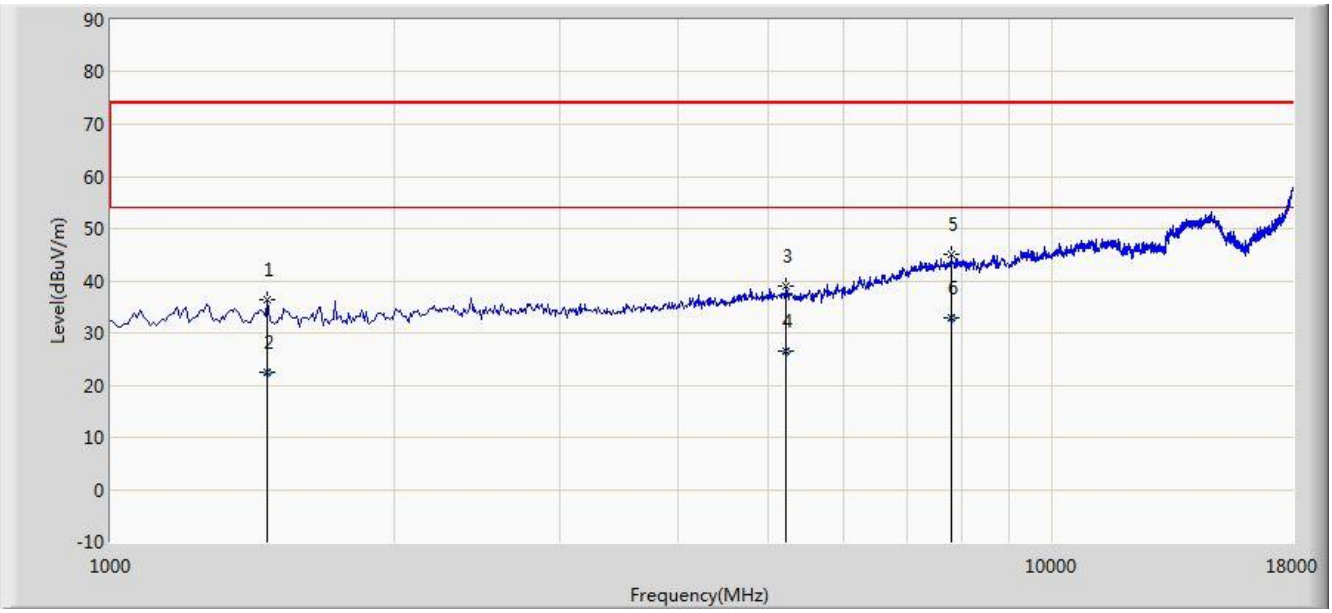


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			1204.000	36.699	45.866	-37.301	74.000	-9.167	100	75	PK
2			1204.000	23.463	32.630	-30.537	54.000	-9.167	100	44	AV
3			2003.000	37.646	43.328	-36.354	74.000	-5.682	100	115	PK
4			2003.000	24.348	30.030	-29.652	54.000	-5.682	100	256	AV
5			7613.000	44.267	36.207	-29.733	74.000	8.060	100	332	PK
6		*	7613.000	32.310	24.250	-21.690	54.000	8.060	100	249	AV

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

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

Site: AC1	Time: 2017/03/10 - 00:15
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Ultra-elegant Gigabit IP Phone	Power: AC 120V/60Hz
Test Mode 2	

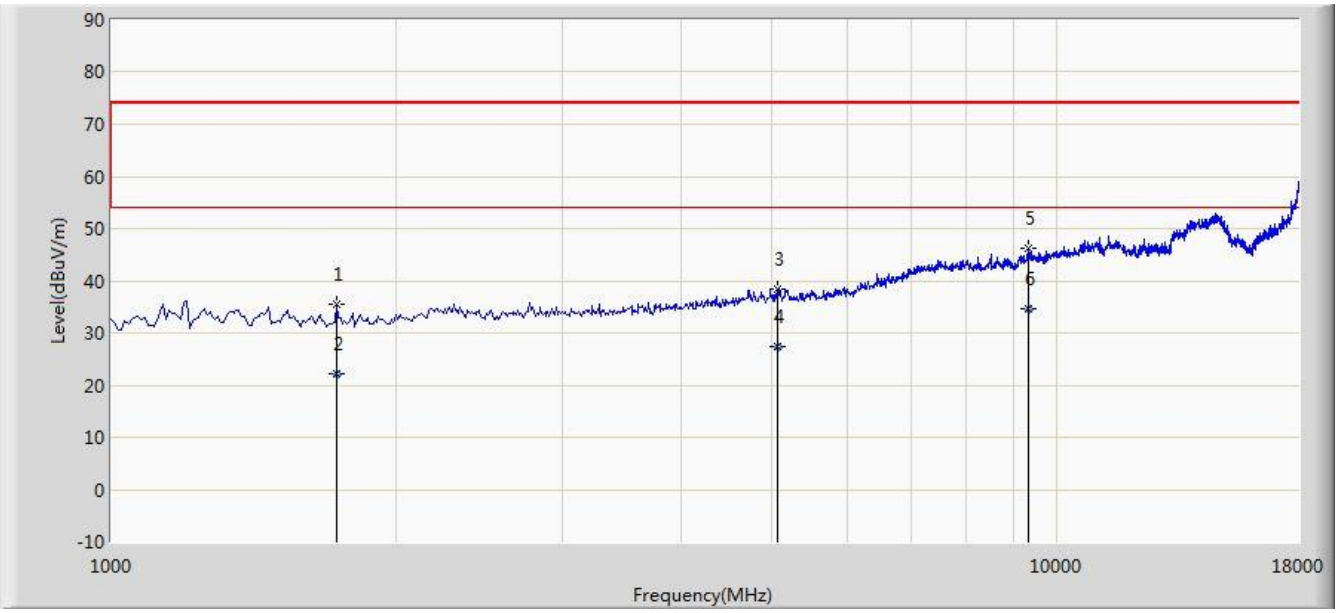


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			1467.500	36.502	44.349	-37.498	74.000	-7.848	100	41	PK
2			1467.500	22.453	30.300	-31.547	54.000	-7.848	100	112	AV
3			5216.000	38.981	35.766	-35.019	74.000	3.215	100	185	PK
4			5216.000	26.575	23.360	-27.425	54.000	3.215	100	352	AV
5			7817.000	44.981	36.577	-29.019	74.000	8.404	100	246	PK
6		*	7817.000	33.024	24.620	-20.976	54.000	8.404	100	144	AV

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

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

Site: AC1	Time: 2017/03/10 - 00:17
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Ultra-elegant Gigabit IP Phone	Power: By POE
Test Mode 3	

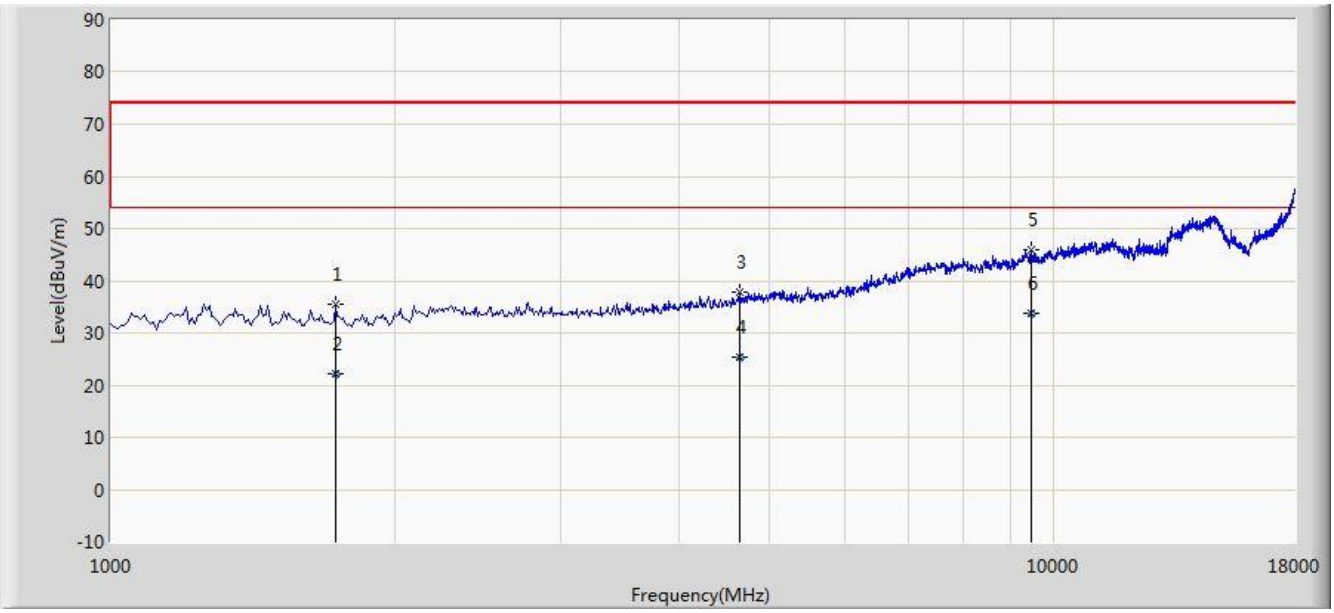


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			1731.000	35.547	42.882	-38.453	74.000	-7.335	100	65	PK
2			1731.000	22.295	29.630	-31.705	54.000	-7.335	100	234	AV
3			5063.000	38.529	35.375	-35.471	74.000	3.154	100	158	PK
4			5063.000	27.474	24.320	-26.526	54.000	3.154	100	11	AV
5			9338.500	46.364	35.922	-27.636	74.000	10.442	100	312	PK
6		*	9338.500	34.582	24.140	-19.418	54.000	10.442	100	285	AV

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

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

Site: AC1	Time: 2017/03/10 - 00:18
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Ultra-elegant Gigabit IP Phone	Power: By POE
Test Mode 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1			1731.000	35.560	42.895	-38.440	74.000	-7.335	100	47	PK
2			1731.000	22.295	29.630	-31.705	54.000	-7.335	100	248	AV
3			4646.500	37.844	35.706	-36.156	74.000	2.138	100	153	PK
4			4646.500	25.458	23.320	-28.542	54.000	2.138	100	332	AV
5			9449.000	46.050	35.560	-27.950	74.000	10.490	100	349	PK
6		*	9449.000	33.740	23.250	-20.260	54.000	10.490	100	19	AV

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

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

7. CONCLUSION

The data collected relate only the item(s) tested and show that the **Ultra-elegant Gigabit IP Phone FCC ID: T2C-T40G** has been tested to comply with the requirements specified in §15.107 and §15.109 of the FCC Rules.

The End