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**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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### REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCE-1-1707C062	Original Issue.	Aug. 30, 2017

## 1. CERIFICATION

Equipment : IP Phone  
Brand Name : Fanvil  
Test Model : X2P  
Series Model : X2  
Applicant : Fanvil Technology Co.Ltd  
Manufacturer : Fanvil Technology Co.Ltd  
Address : 3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1<sup>st</sup> Rd. 35<sup>th</sup> Dist.,  
Bao'An, Shenzhen, 518101, China  
Factory : Fanvil Technology Co.Ltd  
Address : 3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1<sup>st</sup> Rd. 35<sup>th</sup> Dist.,  
Bao'An, Shenzhen, 518101, China  
Date of Test : Jul. 08, 2017 ~ Aug. 29, 2017  
Test Sample : Engineering Sample  
Standard(s) : FCC Part 15, Subpart B  
ANSI C63.4-2014

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCE-1-1707C062) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

EMC Emission				
Standard(s)	Test Item	Limit	Judgment	Remark
FCC Part15, Subpart B ANSI C63.4-2014	Conducted Emission	Class B	PASS	
	Radiated emission Below 1 GHz	Class B	PASS	
	Radiated emission Above 1 GHz	Class B	PASS	NOTE(2)

**NOTE:**

- (1) " N/A" denotes test is not applicable to this device.
- (2) The EUT's max operating frequency is 166MHz which does exceed 108 MHz, so the test will be performed.

**2.1 TEST FACILITY**

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

**2.2 MEASUREMENT UNCERTAINTY**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2  $U_{cispr}$  requirement.

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

**A. Conducted Measurement :**

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150 kHz ~ 30MHz	2.32

**B. Radiated Measurement :**

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB02 (3m)	CISPR	30MHz ~ 200MHz	V	3.83
		30MHz ~ 200MHz	H	3.79
		200MHz ~ 1,000MHz	V	4.04
		200MHz ~ 1,000MHz	H	4.02

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-CB02 (3m)	CISPR	1 ~ 6 GHz	4.50
		6 ~18 GHz	5.18

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	IP Phone
Brand Name	Fanvil
Test Model	X2P
Series Model	X2
Model Difference	Model X2P with PoE power supply module, the Model X2 without PoE power supply module
Power Source	1. Supplied form PoE. 2. DC Voltage supplied from AC/DC adapter. Model: F05L5-050060SPAV L.P.S. Manufacturer: SHENZHEN FRECOM ELECTRONICS CO., LTD
Power Rating	1. DC48V 2. I/P: 100-240V~ 50/60Hz 0.2A O/P: 5V 0.6A
Connecting I/O Port	DC port PC port Internet Port Headphone Port

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

#### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Headphone

For Conducted Test	
Final Test Mode	Description
Mode 1	Headphone

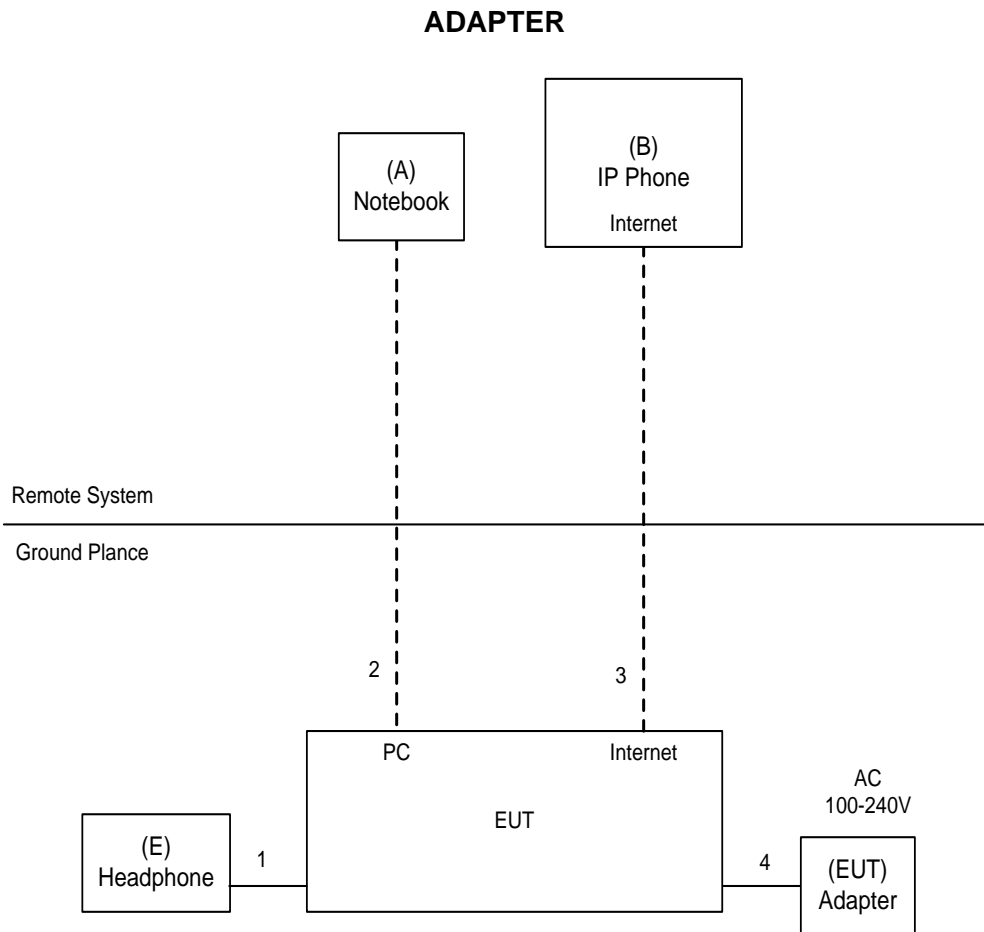
For Radiated Test	
Final Test Mode	Description
Mode 1	Headphone

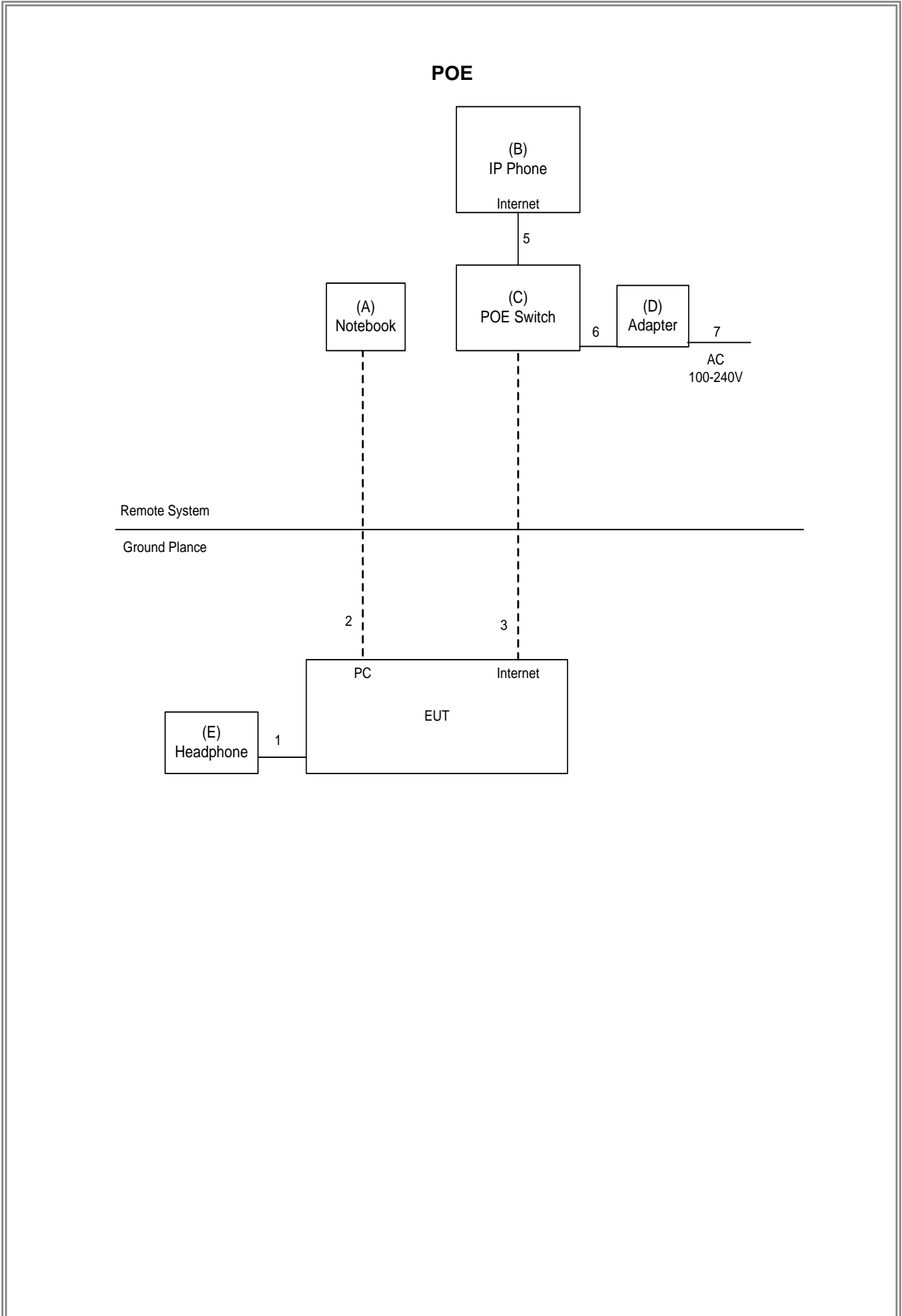
### 3.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:

1. EUT connected to notebook, IP Phone and PoE switch via RJ45 cable.
2. EUT connected to Headphone via RJ11 cable.
3. PoE switch connected to IP Phone and adapter via RJ11&DC cable.

### 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





### 3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	Lenovo	G40	DOC	YB09261386
B	IP Phone	Fanvil	X2P	N/A	1000HF7371004260
C	POE Switch	Fanvil	DGS-1008P/Dlink	N/A	N/A
D	Adapter	FRECOM	F05L5-050060SPAV	N/A	N/A
E	Headphone	Fanvil	A310QD	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1m	RJ11 Cable
2	NO	NO	10m	RJ45 Cable
3	NO	NO	10m	RJ45 Cable
4	NO	NO	1.5m	DC Cable
5	NO	NO	1.8m	RJ45 Cable
6	NO	YES	1.5m	DC Cable
7	NO	NO	1.8m	AC Cable

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION (FREQUENCY RANGE 150KHZ-30MHZ)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)  
 Margin Level = Measurement Value - Limit Value

#### 4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Measurement Software	Farad	EZ-EMC Ver.NB-03A 1-01	N/A	N/A
2	Cable		RG223	12m	Oct. 20, 2017
3	LISN	EMCO	3816/2	00052765	Mar. 26, 2018
4	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 26, 2018
5	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 26, 2018
6	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018

Remark: "N/A" denotes no model name, serial no. or calibration specified.  
 All calibration period of equipment list is one year.

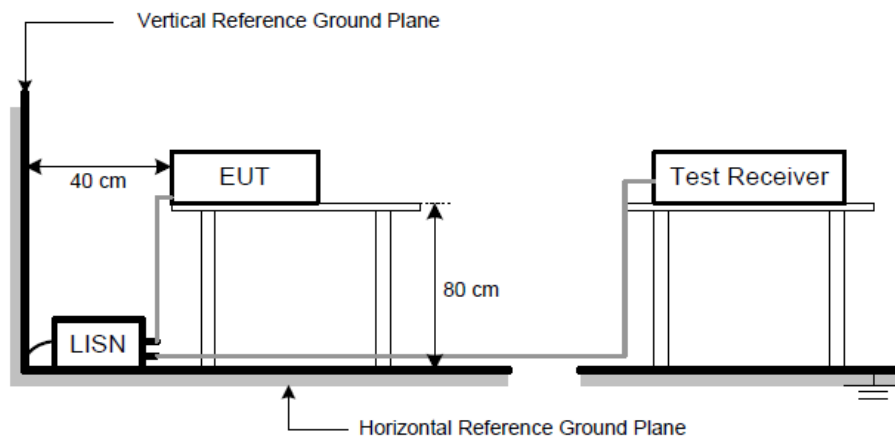
### 4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.
- f. First the whole spectrum of emission caused by equipment under test(EUT) is recorded with Detector set to peak. Peak value recorded in table if the margin from QP Limit is larger than 2dB, otherwise, QP value is recorded, Measuring frequency range from 150KHz to 30MHz.

### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation

### 4.1.5 TEST SETUP

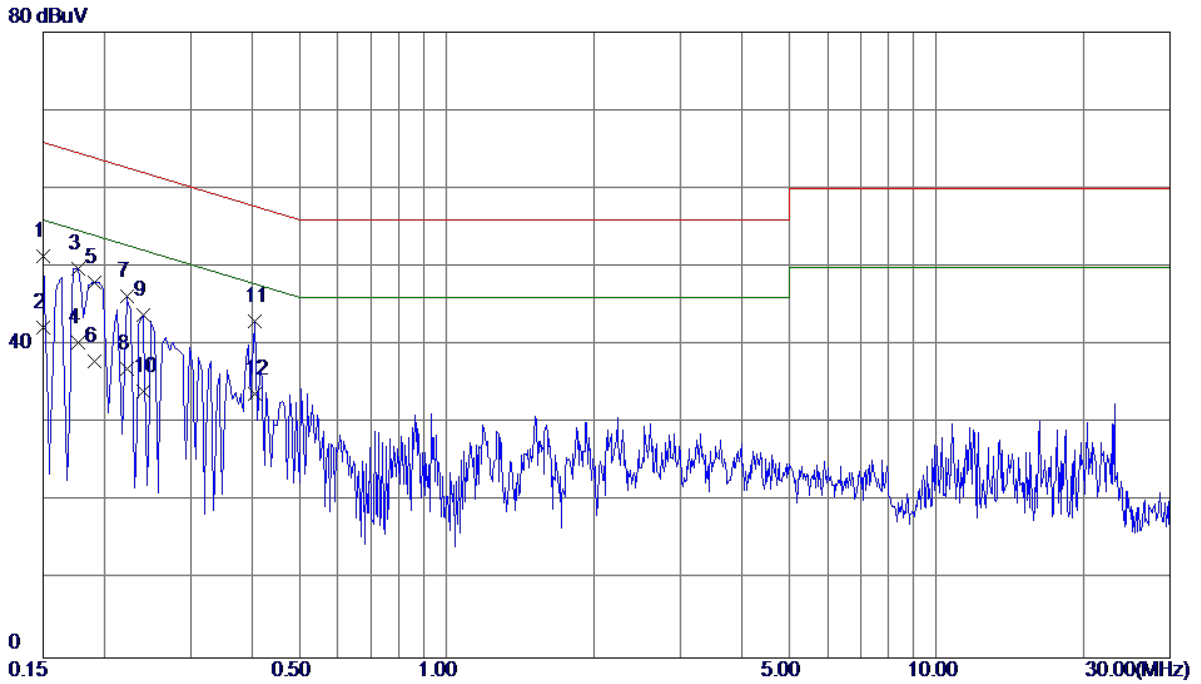


### 4.1.6 TEST RESULTS

#### Remark

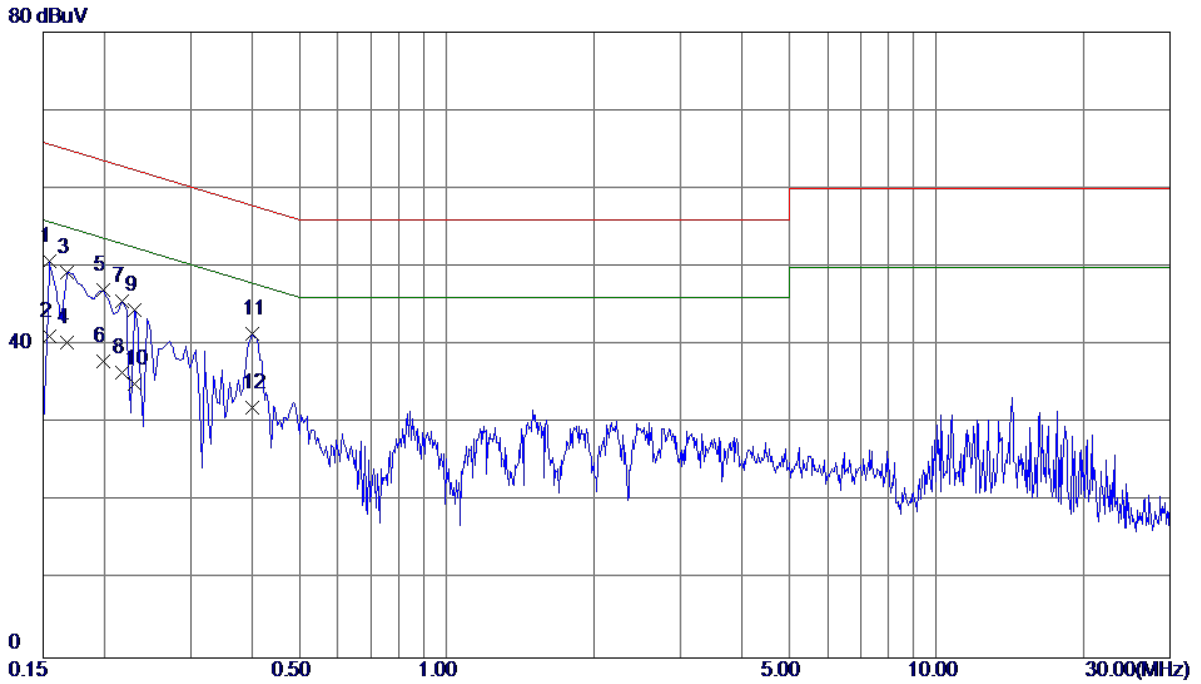
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 sec./MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “ \* ” marked in AVG Mode column of Interference Voltage Measured.

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Sam Wang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1500	41.56	9.79	51.35	66.00	-14.65	QP
2 *	0.1500	32.40	9.79	42.19	56.00	-13.81	AVG
3	0.1770	40.05	9.78	49.83	64.63	-14.80	QP
4	0.1770	30.60	9.78	40.38	54.63	-14.25	AVG
5	0.1905	38.25	9.77	48.02	64.01	-15.99	QP
6	0.1905	28.10	9.77	37.87	54.01	-16.14	AVG
7	0.2220	36.41	9.76	46.17	62.74	-16.57	QP
8	0.2220	27.20	9.76	36.96	52.74	-15.78	AVG
9	0.2400	34.03	9.76	43.79	62.10	-18.31	QP
10	0.2400	24.30	9.76	34.06	52.10	-18.04	AVG
11	0.4065	33.22	9.79	43.01	57.72	-14.71	QP
12	0.4065	23.90	9.79	33.69	47.72	-14.03	AVG

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Sam Wang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1545	41.03	9.68	50.71	65.75	-15.04	QP
2 *	0.1545	31.40	9.68	41.08	55.75	-14.67	AVG
3	0.1680	39.53	9.68	49.21	65.06	-15.85	QP
4	0.1680	30.60	9.68	40.28	55.06	-14.78	AVG
5	0.1995	37.28	9.69	46.97	63.63	-16.66	QP
6	0.1995	28.20	9.69	37.89	53.63	-15.74	AVG
7	0.2175	35.98	9.68	45.66	62.91	-17.25	QP
8	0.2175	26.80	9.68	36.48	52.91	-16.43	AVG
9	0.2310	34.83	9.68	44.51	62.41	-17.90	QP
10	0.2310	25.40	9.68	35.08	52.41	-17.33	AVG
11	0.4020	31.83	9.68	41.51	57.81	-16.30	QP
12	0.4020	22.30	9.68	31.98	47.81	-15.83	AVG

## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

**Below 1 GHz**

**Measurement Method and Applied Limits:**

**ANSI C63.4:**

Frequency (MHz)	Class A (at 10m)		Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	90	39	100	40
88 - 216	150	43.5	150	43.5
216 - 960	210	46.4	200	46
Above 960	300	49.5	500	54

**Above 1 GHz**

**Measurement Method and Applied Limits:**

**ANSI C63.4:**

Frequency (MHz)	Class A				Class B	
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	69.5	49.5	74	54

### FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

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

**NOTE:**

- (1) The limit for radiated test was performed according to as following:  
FCC Part 15, Subpart B
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m).  
3m Emission level = 10m Emission level + 20log(10m/3m).
- (4) The test result calculated as following:  
Measurement Value = Reading Level + Correct Factor  
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
Margin Level = Measurement Value - Limit Value

#### 4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Double Ridged Horn Antenna	ARA	DRG-118A	16554	Mar. 26, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Amplifier	HP	8447D	1937A02847	Feb. 22, 2018
5	RF Pre-selector	Agilent	N9039A	MY46520201	Sep. 04, 2017
6	Cable	emci	LMR-400(30 MHz-1GHz)(10m+2.5m)	N/A	Jun. 26, 2018
7	Cable	emci	EMC104-SM-SM-10000 (1GHz – 26.5GHz)(10 m)	N/A	Jun. 26, 2018
8	Controller	CT	SC100	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Spectrum Analyzer	Agilent	E4447A	MY48250208	Sep. 04, 2017

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.  
 All calibration period of equipment list is one year.

#### 4.2.3 TEST PROCEDURE

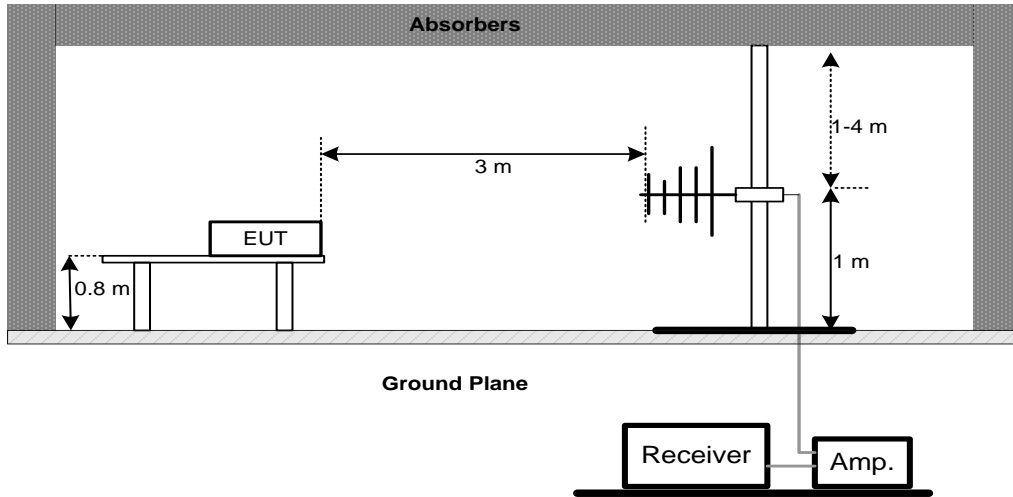
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item - Block Diagram of system tested (please refer to 3.3).

#### 4.2.4 DEVIATION FROM TEST STANDARD

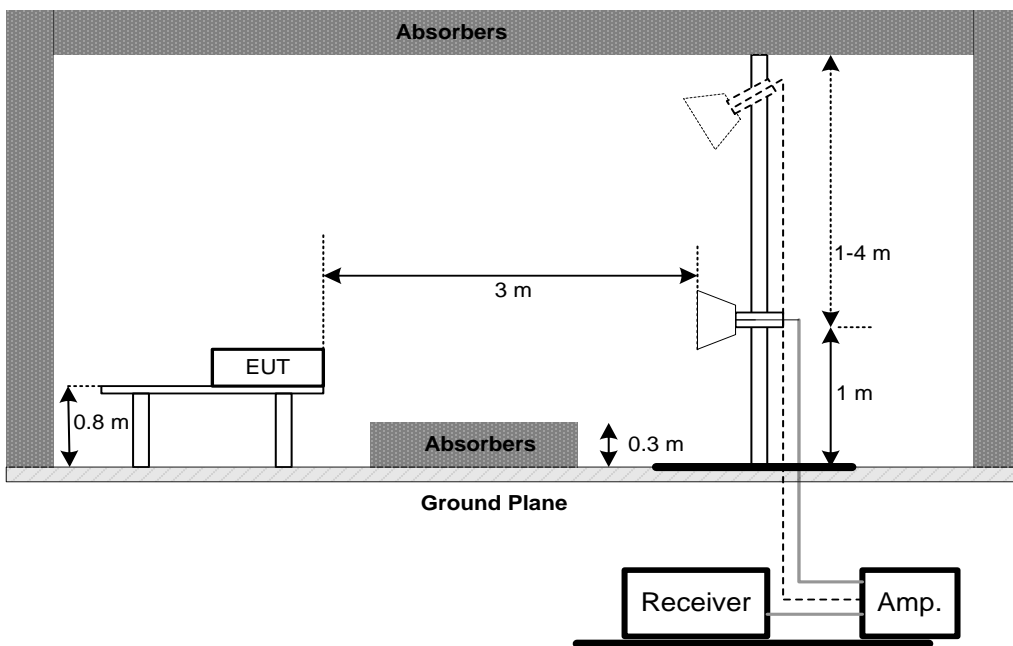
No deviation

### 4.2.5 TEST SETUP

#### (A) Radiated Emission Test Set-Up Frequency Below 1 GHz



#### (B) Radiated Emission Test Set-Up Frequency 1 GHz



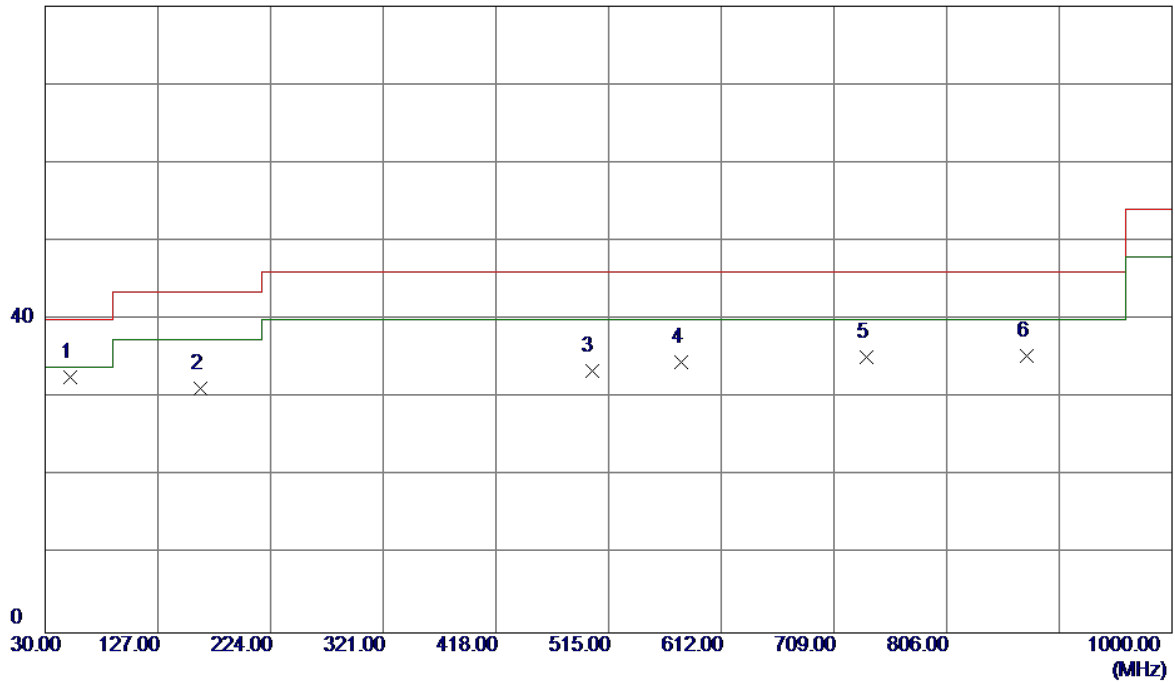
### 4.2.6 TEST RESULTS-BELOW 1GHZ

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz ◦
- (3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Sam Wang		

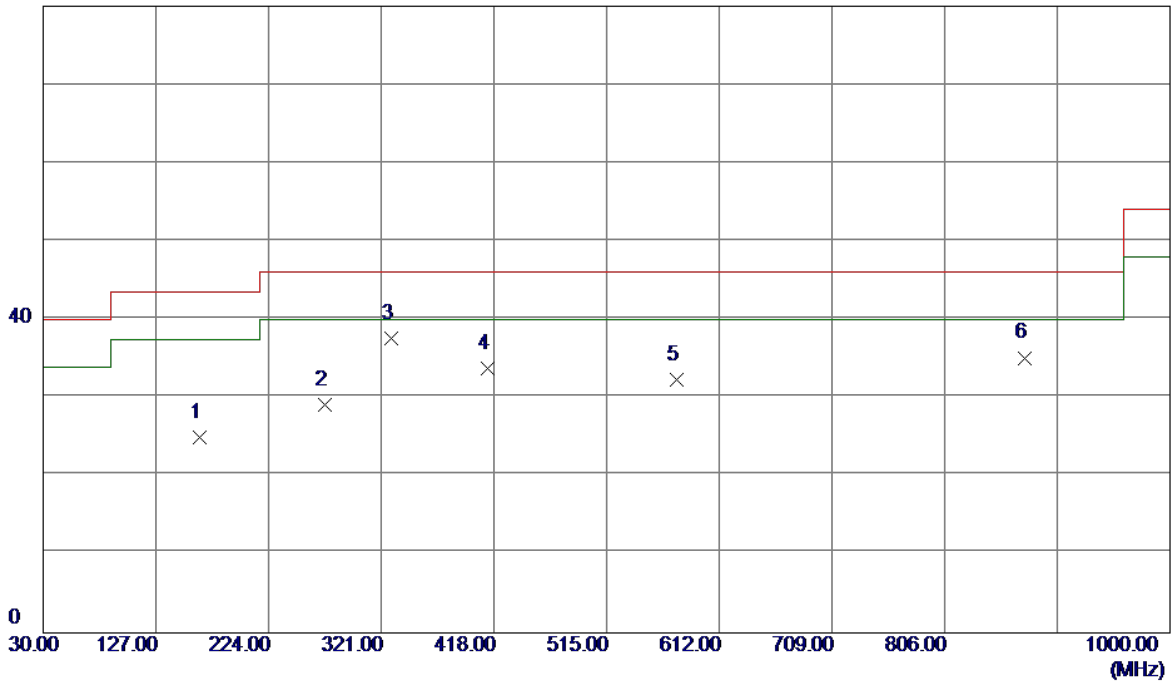
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	51.3400	44.35	-11.74	32.61	40.00	-7.39	QP
2	163.8600	42.51	-11.38	31.13	43.50	-12.37	QP
3	500.4500	39.11	-5.73	33.38	46.00	-12.62	QP
4	577.0800	38.61	-4.00	34.61	46.00	-11.39	QP
5	737.1300	35.50	-0.29	35.21	46.00	-10.79	QP
6	874.8700	32.96	2.42	35.38	46.00	-10.62	QP

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Sam Wang		

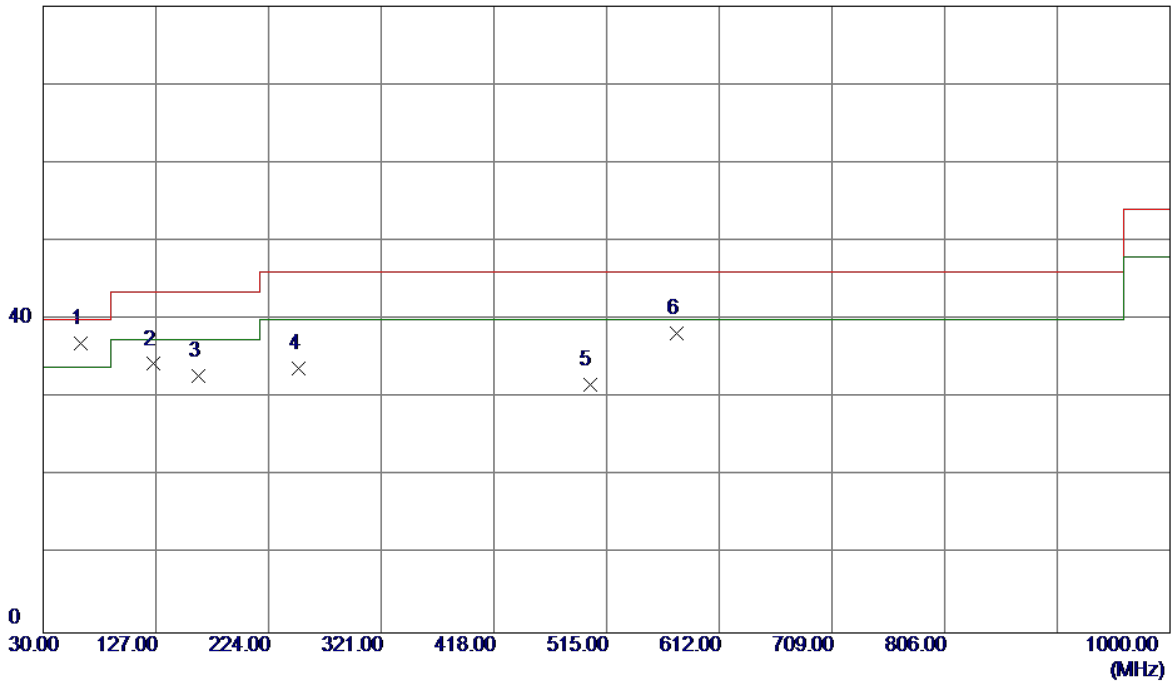
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	164.8300	36.26	-11.33	24.93	43.50	-18.57	QP
2	272.5000	41.79	-12.60	29.19	46.00	-16.81	QP
3 *	329.7300	47.52	-9.91	37.61	46.00	-8.39	QP
4	412.1800	41.61	-7.81	33.80	46.00	-12.20	QP
5	575.1400	36.31	-4.03	32.28	46.00	-13.72	QP
6	874.8700	32.70	2.42	35.12	46.00	-10.88	QP

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Headphone		
Note	POE		
Test Engineer	Sam Wang		

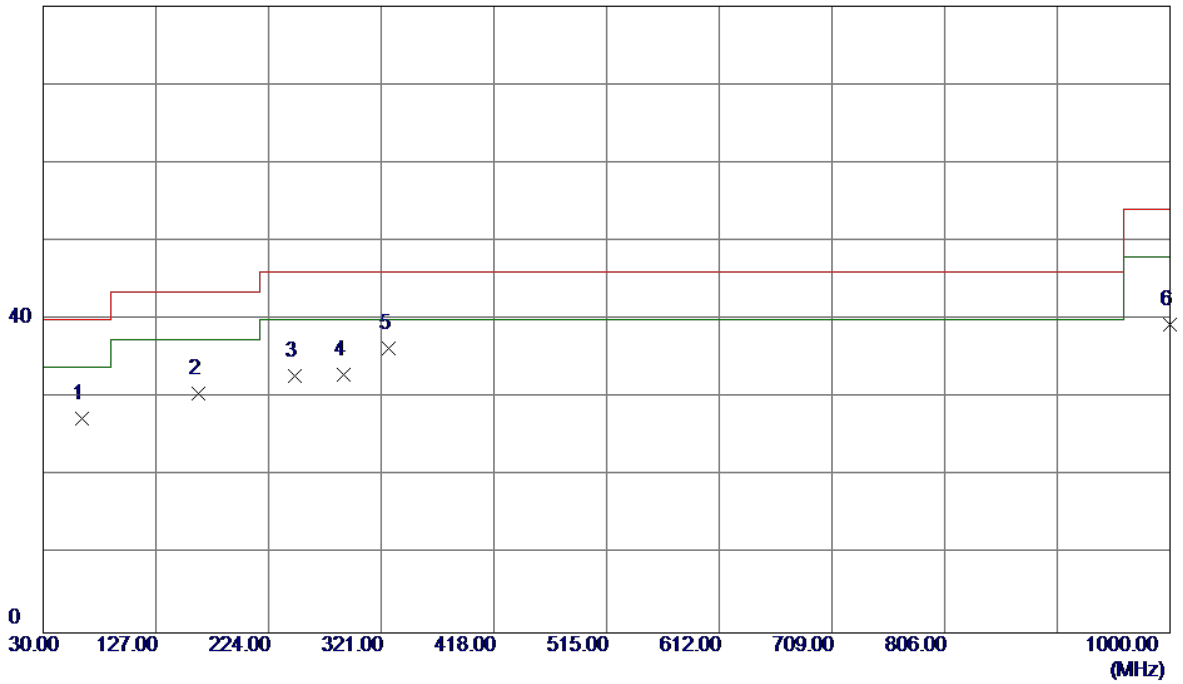
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	62.0100	50.32	-13.43	36.89	40.00	-3.11	QP
2	125.0600	47.67	-13.35	34.32	43.50	-9.18	QP
3	163.8600	44.15	-11.38	32.77	43.50	-10.73	QP
4	250.1900	46.91	-13.22	33.69	46.00	-12.31	QP
5	500.4500	37.48	-5.73	31.75	46.00	-14.25	QP
6	575.1400	42.31	-4.03	38.28	46.00	-7.72	QP

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Headphone		
Note	POE		
Test Engineer	Sam Wang		

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	62.9800	40.97	-13.56	27.41	40.00	-12.59	QP
2	163.8600	41.90	-11.38	30.52	43.50	-12.98	QP
3	246.3100	46.04	-13.27	32.77	46.00	-13.23	QP
4	288.9900	44.66	-11.71	32.95	46.00	-13.05	QP
5 *	327.7900	46.20	-9.95	36.25	46.00	-9.75	QP
6	1000.0000	35.09	4.22	39.31	54.00	-14.69	QP

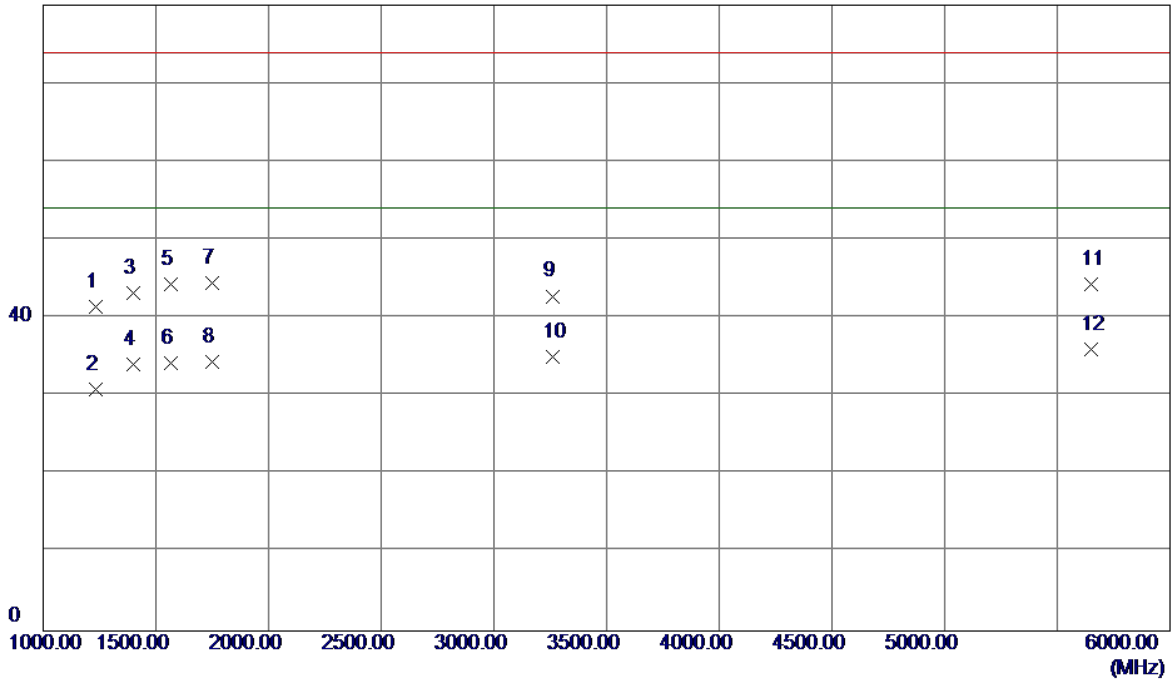
#### 4.2.7 TEST RESULTS-ABOVE 1GHZ

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of 『Note 』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (3) Data of measurement within this frequency range shown “ \* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Sam Wang		

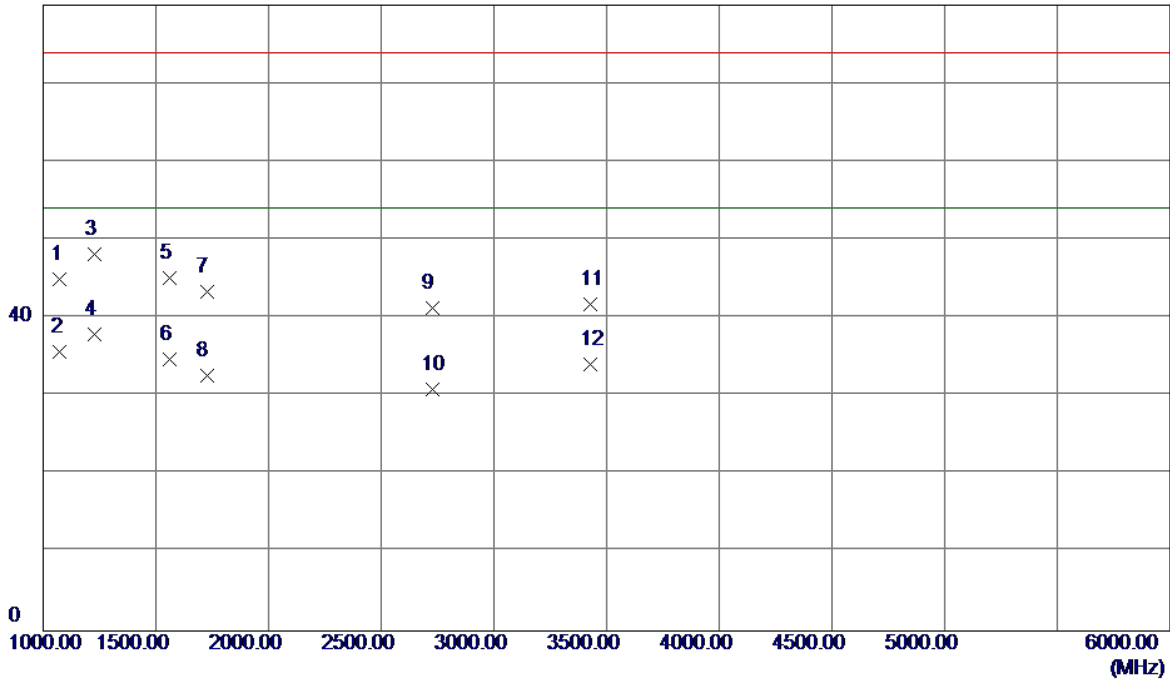
**80 dBuV/m**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1235.0000	45.88	-4.50	41.38	74.00	-32.62	Peak
2	1235.0000	35.33	-4.50	30.83	54.00	-23.17	AVG
3	1400.0000	47.06	-3.81	43.25	74.00	-30.75	Peak
4	1400.0000	37.96	-3.81	34.15	54.00	-19.85	AVG
5	1565.0000	47.43	-3.15	44.28	74.00	-29.72	Peak
6	1565.0000	37.35	-3.15	34.20	54.00	-19.80	AVG
7	1750.0000	46.91	-2.46	44.45	74.00	-29.55	Peak
8	1750.0000	36.89	-2.46	34.43	54.00	-19.57	AVG
9	3260.0000	37.99	4.81	42.80	74.00	-31.20	Peak
10	3260.0000	30.25	4.81	35.06	54.00	-18.94	AVG
11	5650.0000	34.60	9.76	44.36	74.00	-29.64	Peak
12 *	5650.0000	26.27	9.76	36.03	54.00	-17.97	AVG

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Sam Wang		

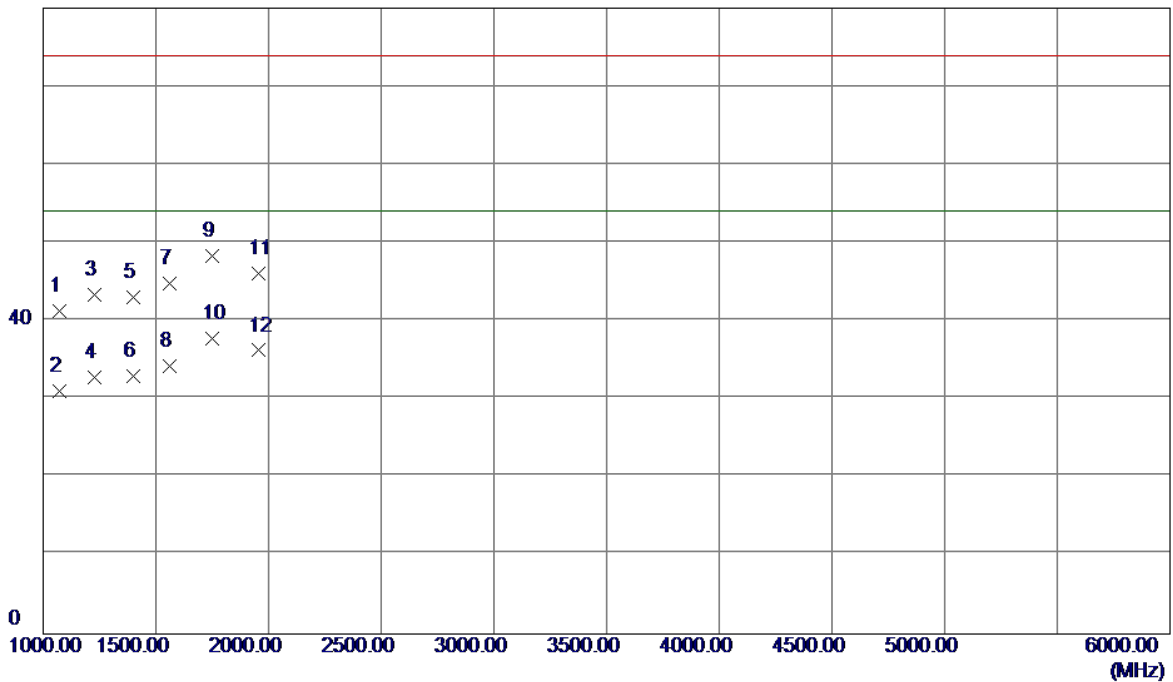
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1075.0000	50.19	-5.17	45.02	74.00	-28.98	Peak
2	1075.0000	40.84	-5.17	35.67	54.00	-18.33	AVG
3	1230.0000	52.74	-4.52	48.22	74.00	-25.78	Peak
4 *	1230.0000	42.39	-4.52	37.87	54.00	-16.13	AVG
5	1560.0000	48.28	-3.17	45.11	74.00	-28.89	Peak
6	1560.0000	37.93	-3.17	34.76	54.00	-19.24	AVG
7	1725.0000	45.92	-2.55	43.37	74.00	-30.63	Peak
8	1725.0000	35.26	-2.55	32.71	54.00	-21.29	AVG
9	2725.0000	38.83	2.50	41.33	74.00	-32.67	Peak
10	2725.0000	28.33	2.50	30.83	54.00	-23.17	AVG
11	3430.0000	36.47	5.25	41.72	74.00	-32.28	Peak
12	3430.0000	28.87	5.25	34.12	54.00	-19.88	AVG

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Headphone		
Note	POE		
Test Engineer	Sam Wang		

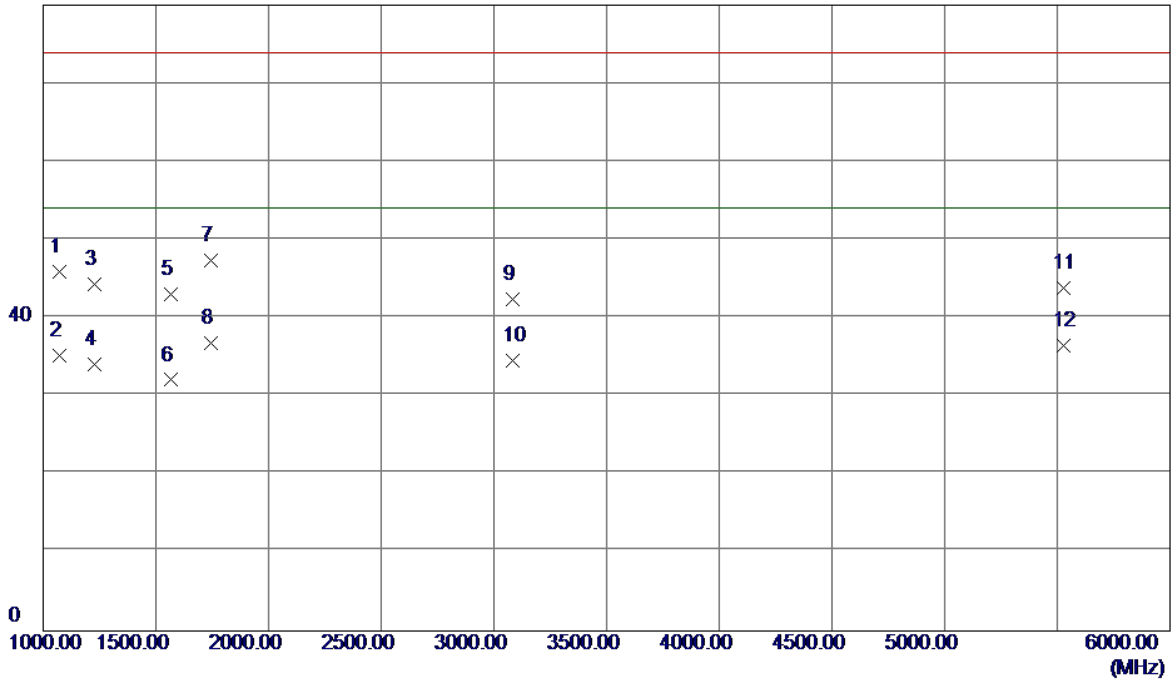
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1070.0000	46.41	-5.19	41.22	74.00	-32.78	Peak
2	1070.0000	36.23	-5.19	31.04	54.00	-22.96	AVG
3	1230.0000	47.82	-4.52	43.30	74.00	-30.70	Peak
4	1230.0000	37.31	-4.52	32.79	54.00	-21.21	AVG
5	1400.0000	46.82	-3.81	43.01	74.00	-30.99	Peak
6	1400.0000	36.82	-3.81	33.01	54.00	-20.99	AVG
7	1560.0000	47.96	-3.17	44.79	74.00	-29.21	Peak
8	1560.0000	37.39	-3.17	34.22	54.00	-19.78	AVG
9	1750.0000	50.73	-2.46	48.27	74.00	-25.73	Peak
10 *	1750.0000	40.23	-2.46	37.77	54.00	-16.23	AVG
11	1955.0000	47.81	-1.69	46.12	74.00	-27.88	Peak
12	1955.0000	37.93	-1.69	36.24	54.00	-17.76	AVG

EUT	IP Phone	Model Name	X2P
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Headphone		
Note	POE		
Test Engineer	Sam Wang		

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1070.0000	51.14	-5.19	45.95	74.00	-28.05	Peak
2	1070.0000	40.34	-5.19	35.15	54.00	-18.85	AVG
3	1230.0000	48.77	-4.52	44.25	74.00	-29.75	Peak
4	1230.0000	38.56	-4.52	34.04	54.00	-19.96	AVG
5	1565.0000	46.14	-3.15	42.99	74.00	-31.01	Peak
6	1565.0000	35.23	-3.15	32.08	54.00	-21.92	AVG
7	1745.0000	49.85	-2.48	47.37	74.00	-26.63	Peak
8 *	1745.0000	39.34	-2.48	36.86	54.00	-17.14	AVG
9	3085.0000	37.99	4.36	42.35	74.00	-31.65	Peak
10	3085.0000	30.26	4.36	34.62	54.00	-19.38	AVG
11	5525.0000	34.57	9.29	43.86	74.00	-30.14	Peak
12	5525.0000	27.21	9.29	36.50	54.00	-17.50	AVG