FCC Test Report

Project No.	:	1610C140
Equipment	:	IP Phone
Model Name	:	F4G
Applicant	:	Fanvil Technology Co.Ltd
Address	:	3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th Dist., Bao'An, Shenzhen, 518101, China

Date of Receipt	:	Oct. 18, 2016
Date of Test	:	Oct. 18, 2016 ~ Jan. 03, 2017
Issued Date	:	Jan. 05, 2017
Tested by	:	BTL Inc.

Testing Engineer : _____
(Pike Lee)

Technical Manager : _____
(Jeff Yang)

Authorized Signatory : _____
(Andy Chiu)

BTL INC.

B1, No.37, Lane 365, Yang Guang St.,
Nei-Hu District, Taipei City 114, Taiwan.
TEL:+886-2-2657-3299 FAX: +886-2- 2657-3331

Testing Laboratory
0659

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL**'s authorized written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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.

Table of Contents

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCE-1-1610C140	Original Issue.	Jan. 05, 2017

1. CERIFICATION

Equipment	:	IP Phone
Brand Name	:	Fanvil
Model Name	:	F4G
Applicant	:	Fanvil Technology Co.Ltd
Date of Test	:	Oct. 18, 2016 ~ Jan. 03, 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-1-1610C140) 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 ICES-003 Issue 6: 2016 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. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

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** ± **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)
C05	CISPR	150 kHz ~ 30MHz	3.06

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB11 (3m)	CISPR	30MHz ~ 200MHz	V	4.04
		30MHz ~ 200MHz	H	3.76
		200MHz ~ 1,000MHz	V	4.24
		200MHz ~ 1,000MHz	H	3.84

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB11 (3m)	CISPR	1GHz ~ 6GHz	V	4.46
		1GHz ~ 6GHz	H	4.40
		6GHz ~ 18GHz	V	4.18
		6GHz ~ 18GHz	H	4.34

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
Model Name	F4G
Model Difference	N/A
Power Source	1# DC voltage supplied from AC/DC adapter. Manufacturer: SHENZHEN FRECOM ELECTRONICS CO.,LTD. Model: F05L5-050100SPAVL.P.S. 2# PoE supplied.
Power Rating	1# I/P: 100-240V~ 50/60Hz 0.2A O/P:5V⎓1A 2# PoE 48V

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	Adapter Supply;Handfree
Mode 2	Adapter Supply;Handset
Mode 3	Adapter Supply;Earphone
Mode 4	PoE Supply;Handfree
Mode 5	PoE Supply;Handset
Mode 6	PoE Supply;Earphone

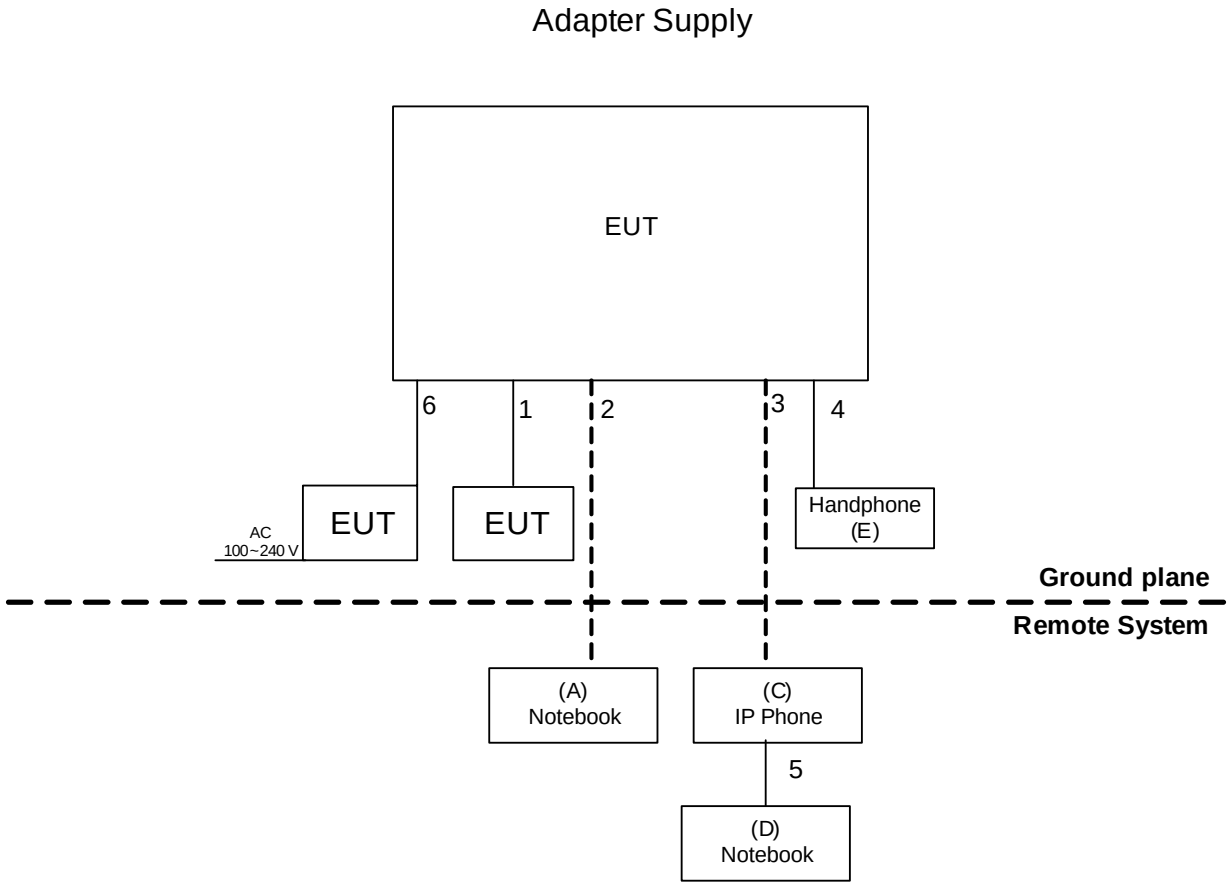
For Conducted Test	
Final Test Mode	Description
Mode 1	Adapter Supply;Handfree
Mode 2	Adapter Supply;Handset
Mode 3	Adapter Supply;Earphone
Mode 4	PoE Supply;Handfree
Mode 5	PoE Supply;Handset
Mode 6	PoE Supply;Earphone

For Radiated Test	
Final Test Mode	Description
Mode 1	Adapter Supply;Handfree
Mode 2	Adapter Supply;Handset
Mode 3	Adapter Supply;Earphone
Mode 4	PoE Supply;Handfree
Mode 5	PoE Supply;Handset
Mode 6	PoE Supply;Earphone

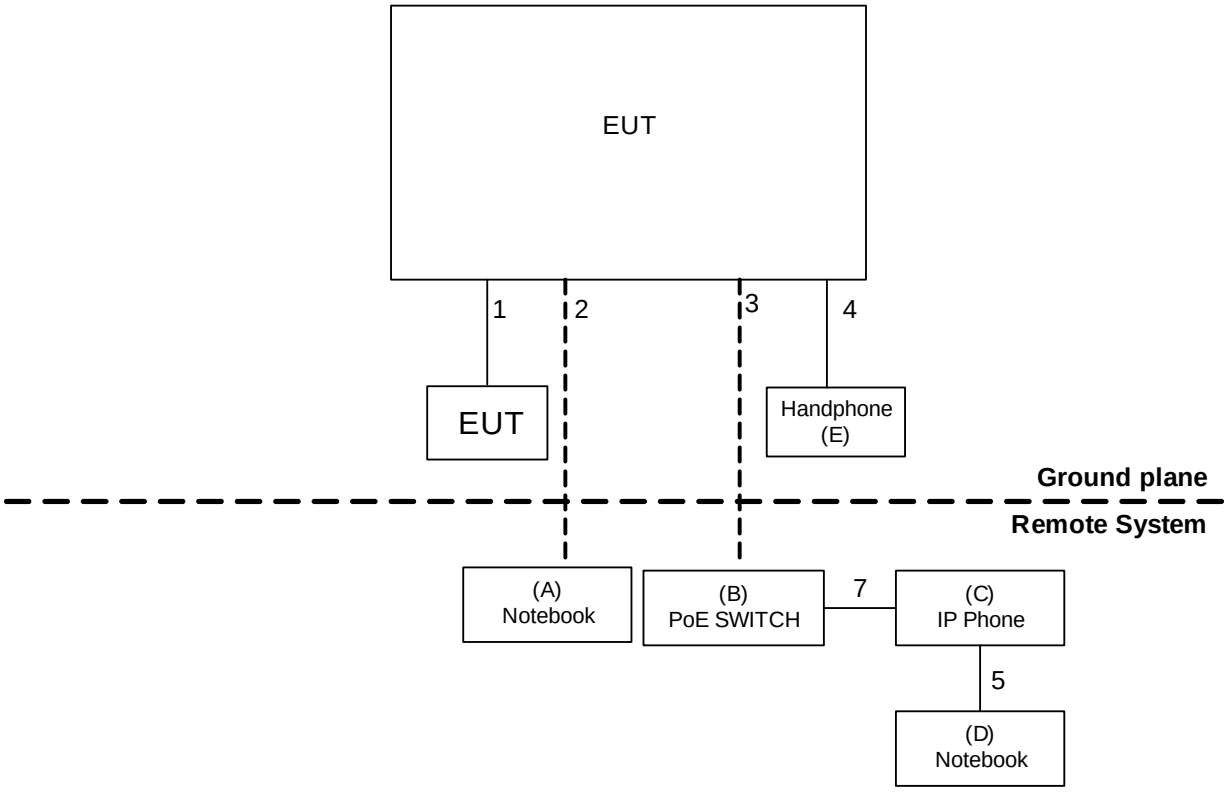
3.3 EUT OPERATING CONDITIONS

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.

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



PoE Supply


EUT
1
2
3
4
EUT
Handphone
(E)
Ground plane
Remote System
(A)
Notebook
(B)
PoE SWITCH
7
(C)
IP Phone
5
(D)
Notebook

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	PoE SWITCH	D-LINK	DGS-1008P	N/A	QB842D1000045
B	IP PHONE	FANVIL	F4G	N/A	915 HO6168000446
C	Notebook	HP	8460P	N/A	CNU1301BJ3
D	Notebook	DELL	INSPIRON 1420	N/A	JX193A01SDC2
E	Handphone	FANVIL	N/A	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.8m	RJ11 Cable
2	NO	NO	15m	RJ45 Cable
3	NO	NO	15m	RJ45 Cable
4	NO	NO	3m	Audio Cable
5	NO	NO	1m	RJ45 Cable
6	NO	NO	1.8m	DC Cable
7	NO	NO	1m	RJ45 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	TWO-LINE V-NETWORK	R&S	ENV216	101050	Feb. 01, 2017
2	Test Cable	TIMES	CFD300-NL	C05	Jun. 13, 2017
3	EMI Test Receiver	R&S	ESR3	101854	May 12, 2017
4	Measurement Software	EZ	EZ_EMC (Version NB-03A)	N/A	N/A

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

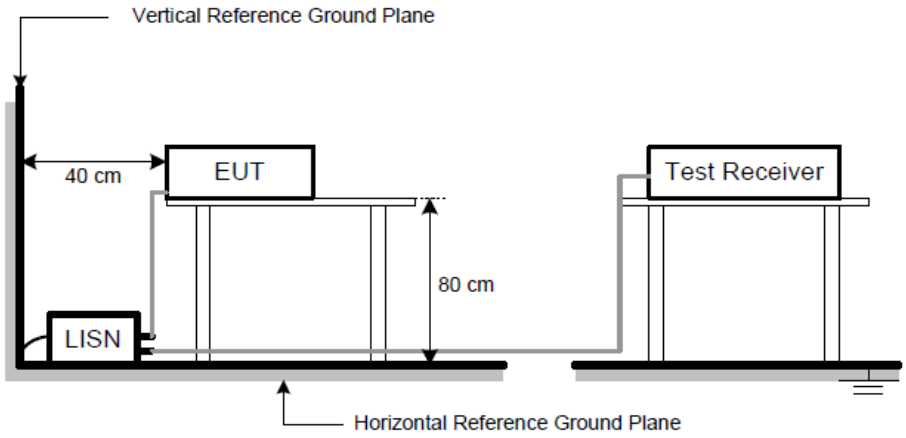
4.1.3 TEST PROCEDURE

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

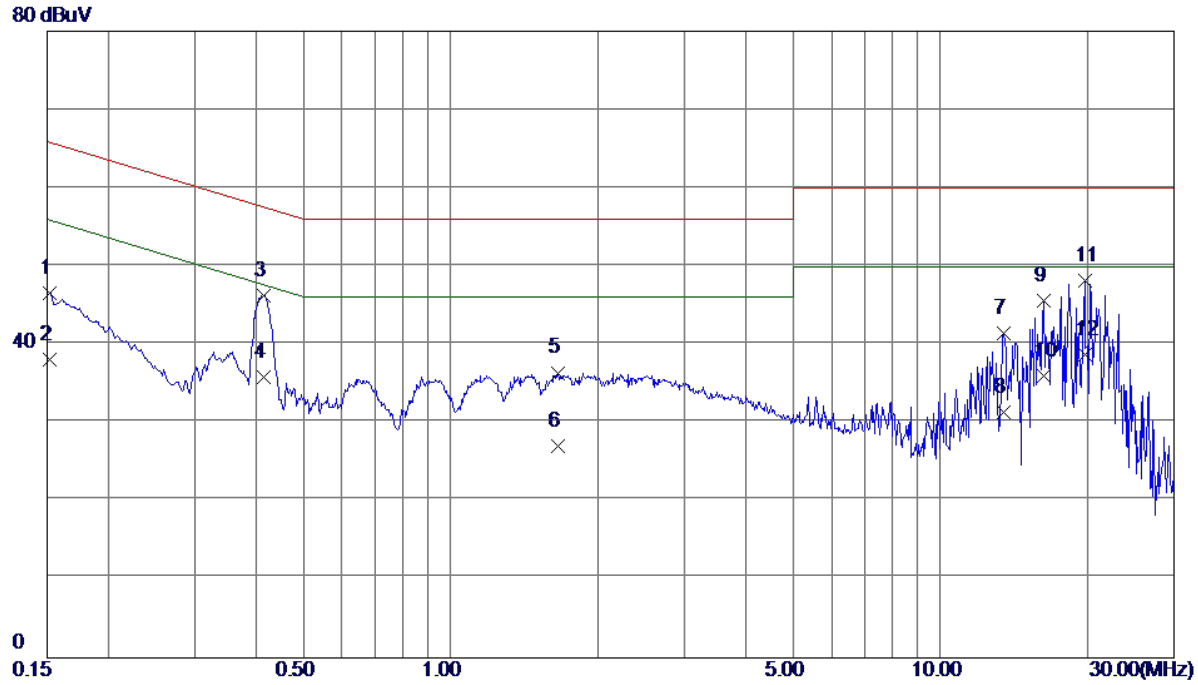


4.1.6 TEST RESULTS

Remark

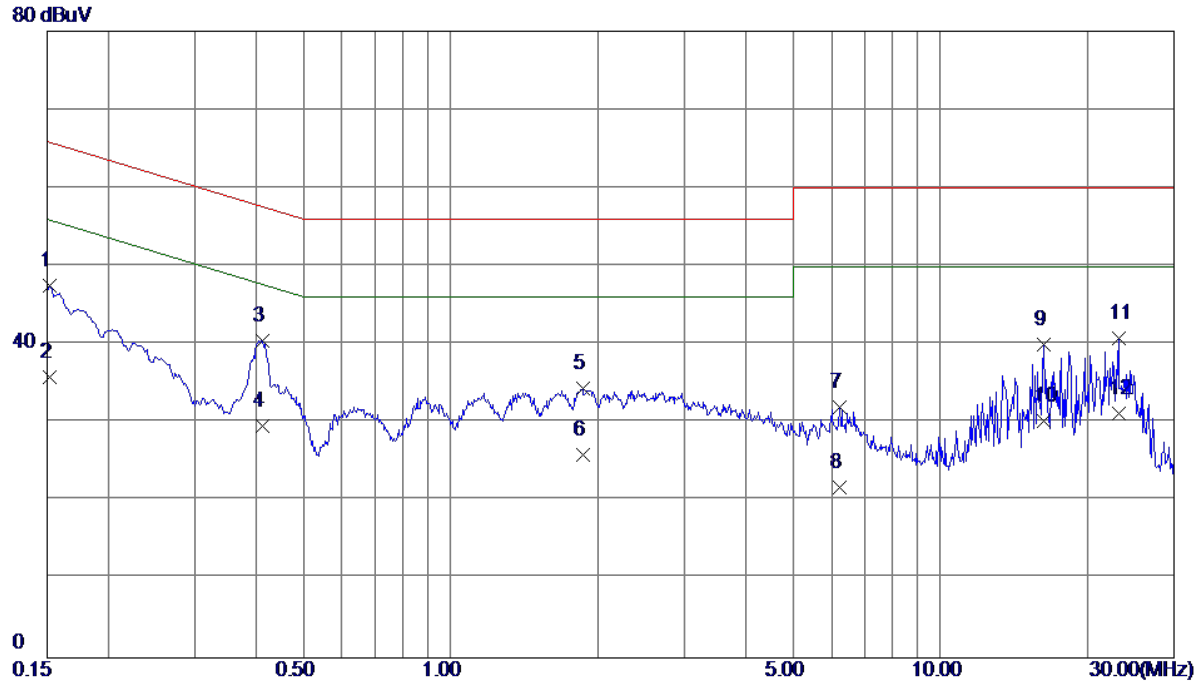
(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 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	F4G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Adapter Supply;Handfree		
Test Engineer	Treey Chen		



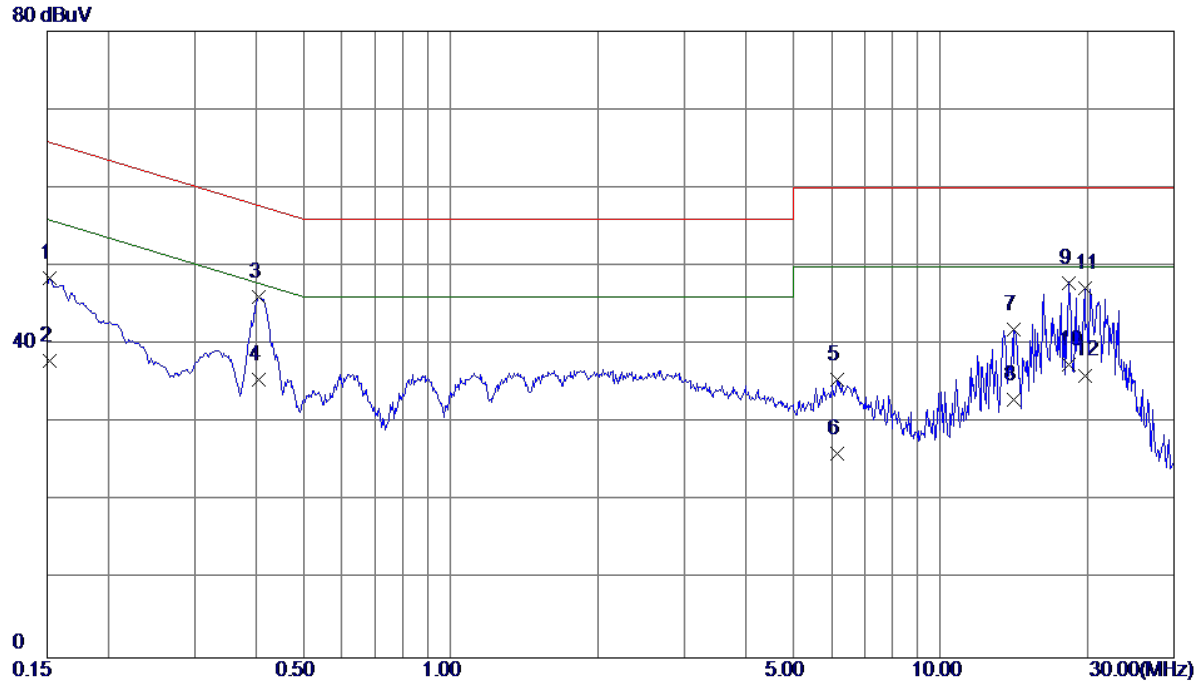
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	36.99	9.64	46.63	65.88	-19.25	QP
2	0.1522	28.50	9.64	38.14	55.88	-17.74	AVG
3 *	0.4155	36.43	9.87	46.30	57.54	-11.24	QP
4	0.4155	26.00	9.87	35.87	47.54	-11.67	AVG
5	1.6575	26.28	10.12	36.40	56.00	-19.60	QP
6	1.6575	16.90	10.12	27.02	46.00	-18.98	AVG
7	13.4813	30.84	10.61	41.45	60.00	-18.55	QP
8	13.4813	20.70	10.61	31.31	50.00	-18.69	AVG
9	16.2285	34.84	10.68	45.52	60.00	-14.48	QP
10	16.2285	25.30	10.68	35.98	50.00	-14.02	AVG
11	19.7093	37.43	10.68	48.11	60.00	-11.89	QP
12	19.7093	28.00	10.68	38.68	50.00	-11.32	AVG

EUT	IP Phone	Model Name	F4G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Adapter Supply;Handfree		
Test Engineer	Treey Chen		



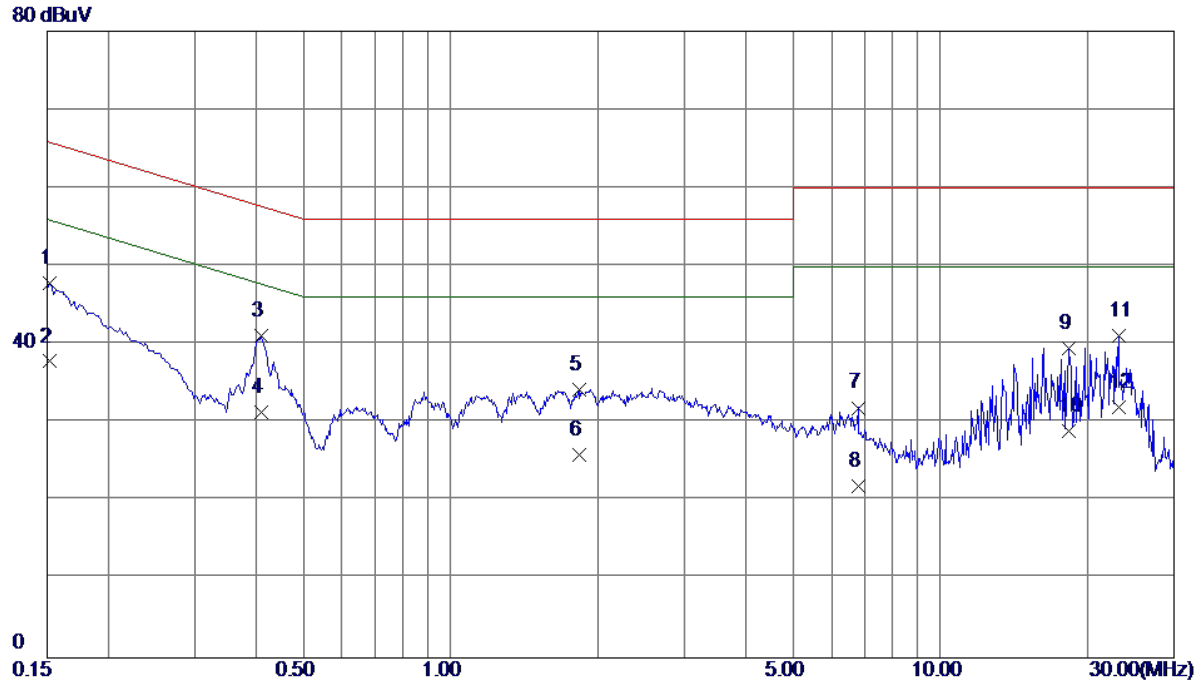
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	37.98	9.54	47.52	65.88	-18.36	QP
2	0.1522	26.30	9.54	35.84	55.88	-20.04	AVG
3 *	0.4132	30.72	9.77	40.49	57.58	-17.09	QP
4	0.4132	19.80	9.77	29.57	47.58	-18.01	AVG
5	1.8668	24.40	10.06	34.46	56.00	-21.54	QP
6	1.8668	15.90	10.06	25.96	46.00	-20.04	AVG
7	6.2204	21.73	10.29	32.02	60.00	-27.98	QP
8	6.2204	11.50	10.29	21.79	50.00	-28.21	AVG
9	16.2285	29.46	10.60	40.06	60.00	-19.94	QP
10	16.2285	19.60	10.60	30.20	50.00	-19.80	AVG
11	23.1293	30.01	10.74	40.75	60.00	-19.25	QP
12	23.1293	20.40	10.74	31.14	50.00	-18.86	AVG

EUT	IP Phone	Model Name	F4G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Adapter Supply;Handset		
Test Engineer	Treey Chen		



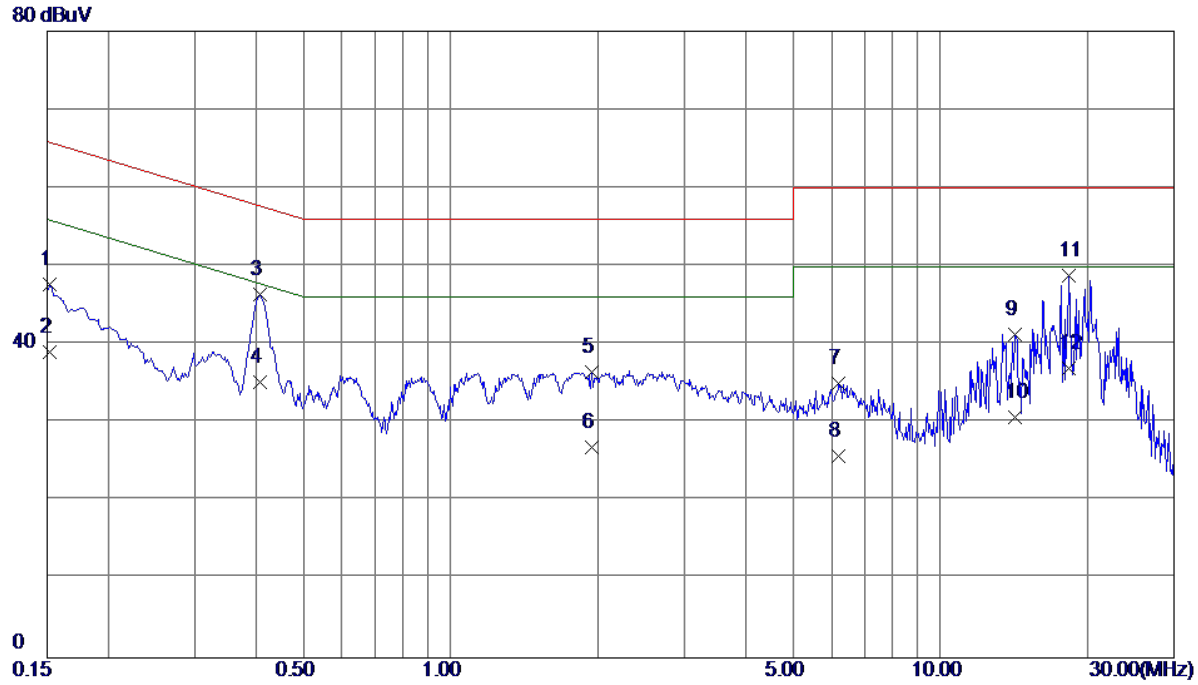
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.80	9.64	48.44	65.88	-17.44	QP
2	0.1522	28.30	9.64	37.94	55.88	-17.94	AVG
3 *	0.4065	36.15	9.87	46.02	57.72	-11.70	QP
4	0.4065	25.60	9.87	35.47	47.72	-12.25	AVG
5	6.1643	25.42	10.15	35.57	60.00	-24.43	QP
6	6.1643	15.90	10.15	26.05	50.00	-23.95	AVG
7	14.1518	31.25	10.64	41.89	60.00	-18.11	QP
8	14.1518	22.30	10.64	32.94	50.00	-17.06	AVG
9	18.2445	37.24	10.68	47.92	60.00	-12.08	QP
10	18.2445	26.80	10.68	37.48	50.00	-12.52	AVG
11	19.7093	36.50	10.68	47.18	60.00	-12.82	QP
12	19.7093	25.40	10.68	36.08	50.00	-13.92	AVG

EUT	IP Phone	Model Name	F4G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Adapter Supply;Handset		
Test Engineer	Treey Chen		



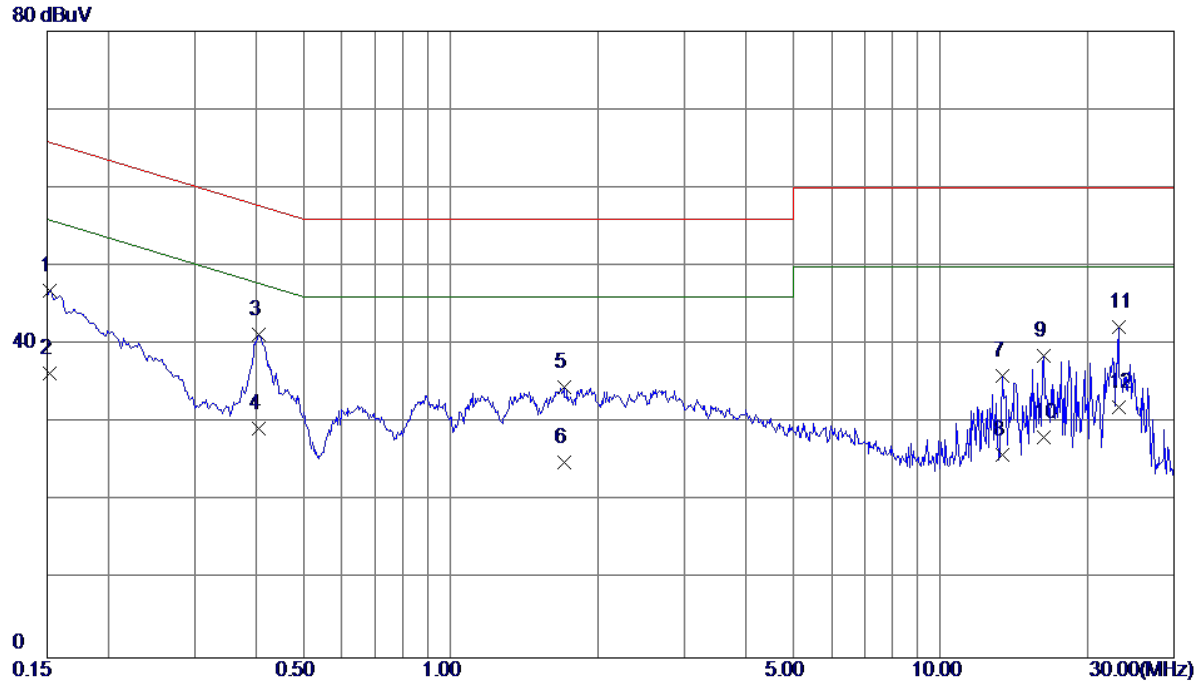
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.25	9.54	47.79	65.88	-18.09	QP
2	0.1522	28.30	9.54	37.84	55.88	-18.04	AVG
3	0.4110	31.35	9.77	41.12	57.63	-16.51	QP
4 *	0.4110	21.60	9.77	31.37	47.63	-16.26	AVG
5	1.8285	24.22	10.06	34.28	56.00	-21.72	QP
6	1.8285	15.80	10.06	25.86	46.00	-20.14	AVG
7	6.7853	21.63	10.29	31.92	60.00	-28.08	QP
8	6.7853	11.70	10.29	21.99	50.00	-28.01	AVG
9	18.2445	28.94	10.64	39.58	60.00	-20.42	QP
10	18.2445	18.30	10.64	28.94	50.00	-21.06	AVG
11	23.1293	30.43	10.74	41.17	60.00	-18.83	QP
12	23.1293	21.20	10.74	31.94	50.00	-18.06	AVG

EUT	IP Phone	Model Name	F4G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Adapter Supply;Earphone		
Test Engineer	Treey Chen		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.03	9.64	47.67	65.88	-18.21	QP
2	0.1522	29.40	9.64	39.04	55.88	-16.84	AVG
3 *	0.4087	36.59	9.87	46.46	57.67	-11.21	QP
4	0.4087	25.40	9.87	35.27	47.67	-12.40	AVG
5	1.9433	26.37	10.08	36.45	56.00	-19.55	QP
6	1.9433	16.80	10.08	26.88	46.00	-19.12	AVG
7	6.2070	24.87	10.15	35.02	60.00	-24.98	QP
8	6.2070	15.60	10.15	25.75	50.00	-24.25	AVG
9	14.2125	30.63	10.65	41.28	60.00	-18.72	QP
10	14.2125	20.09	10.65	30.74	50.00	-19.26	AVG
11	18.2445	38.08	10.68	48.76	60.00	-11.24	QP
12	18.2445	26.30	10.68	36.98	50.00	-13.02	AVG

EUT	IP Phone	Model Name	F4G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Adapter Supply;Earphone		
Test Engineer	Treey Chen		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	37.37	9.54	46.91	65.88	-18.97	QP
2	0.1522	26.80	9.54	36.34	55.88	-19.54	AVG
3 *	0.4065	31.48	9.77	41.25	57.72	-16.47	QP
4	0.4065	19.50	9.77	29.27	47.72	-18.45	AVG
5	1.7025	24.48	10.05	34.53	56.00	-21.47	QP
6	1.7025	14.91	10.05	24.96	46.00	-21.04	AVG
7	13.3598	25.59	10.47	36.06	60.00	-23.94	QP
8	13.3598	15.50	10.47	25.97	50.00	-24.03	AVG
9	16.2285	28.03	10.60	38.63	60.00	-21.37	QP
10	16.2285	17.60	10.60	28.20	50.00	-21.80	AVG
11	23.1293	31.48	10.74	42.22	60.00	-17.78	QP
12	23.1293	21.30	10.74	32.04	50.00	-17.96	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^{th} 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	Log-Bicon Antenna	Schwarzbeck	VULB 9168	9168-586	Jan. 21, 2017
2	Horn Antenna	Schwarzbeck	BBHA-9120D	D 546	Nov. 03, 2017
3	Pre-Amplifier	HP	8447D	2944A08891	Mar.19, 2017
4	Pre-Amplifier	Agilent	8449B	3008A02331	Jan. 22, 2017
5	Pre-Amplifier	EMCI	EMC2654045	980030	Feb. 14, 2017
6	Test Cable	EMCI	EMC8D-NM-NM-8000	150301	Mar.19, 2017
7	Test Cable	EMCI	EMC104-SM-SM-1000	150304	Mar.19, 2017
8	Test Cable	EMCI	EMC104-SM-SM-2500	140303	Mar.19, 2017
9	Test Cable	EMCI	EMC104-SM-SM-5000	140302	Mar.19, 2017
10	Test Cable	EMCI	EMC104-SM-SM-2500	150306	Mar.19, 2017
11	Test Cable	EMCI	EMC104-SM-SM-800	150305	Mar.19, 2017
12	EMI Test Receiver	R&S	N9038A	MY51210215	Jun. 06, 2017
13	Measurement Software	Farad	EZ_EMC (Version NB-03A)	N/A	N/A

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

4.2.3 TEST PROCEDURE

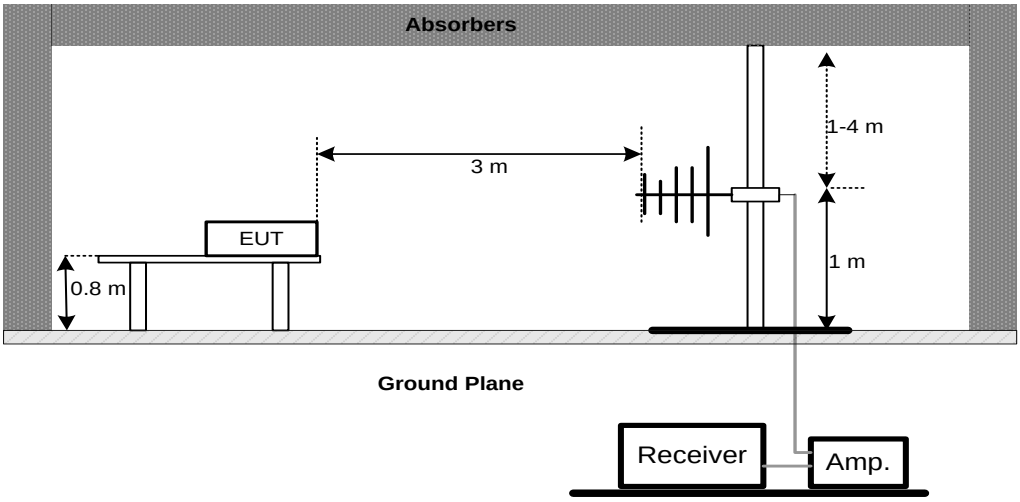
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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 3 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).
   Note:
   For measurement of frequency 1GHz -6000.000GHz, the EUT was set 3 meters away from the receiver antenna.
   Emission level (dBuV/m)=20log Emission level (uV/m).
   The limits above 26.5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade from 3m to 1m
   Distance extrapolation factor = 20 log (3m/1m) dB ;
   Limit line = specific limits (dBuV) + 9.5 dB.

4.2.4 DEVIATION FROM TEST STANDARD

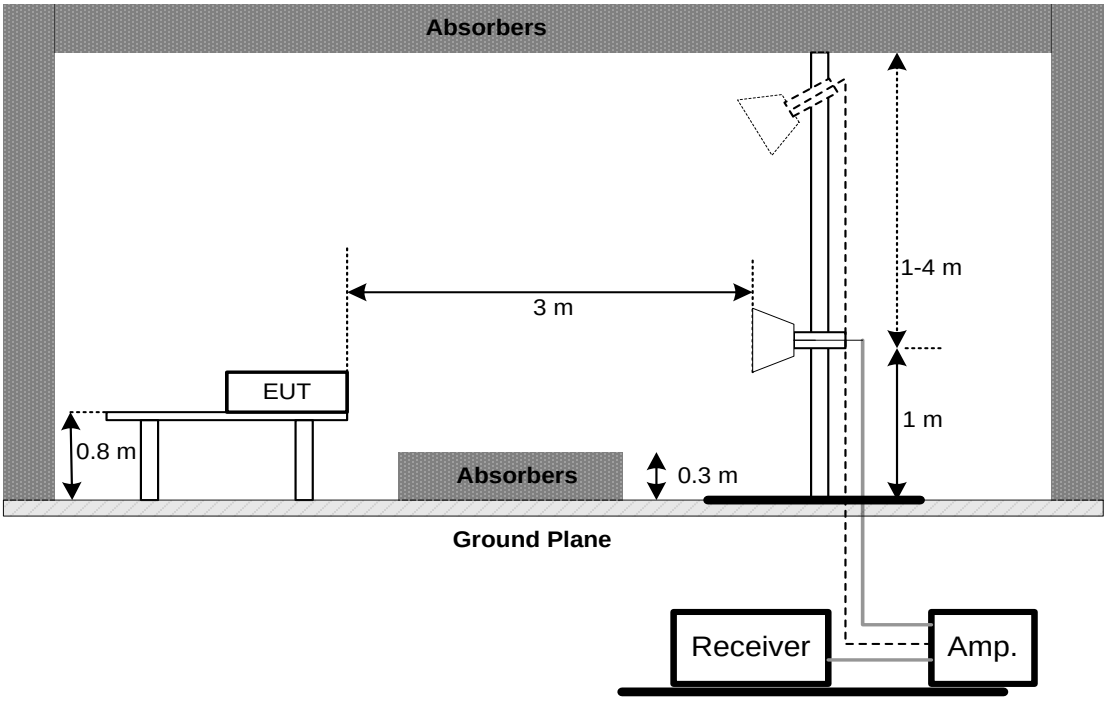
No deviation

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

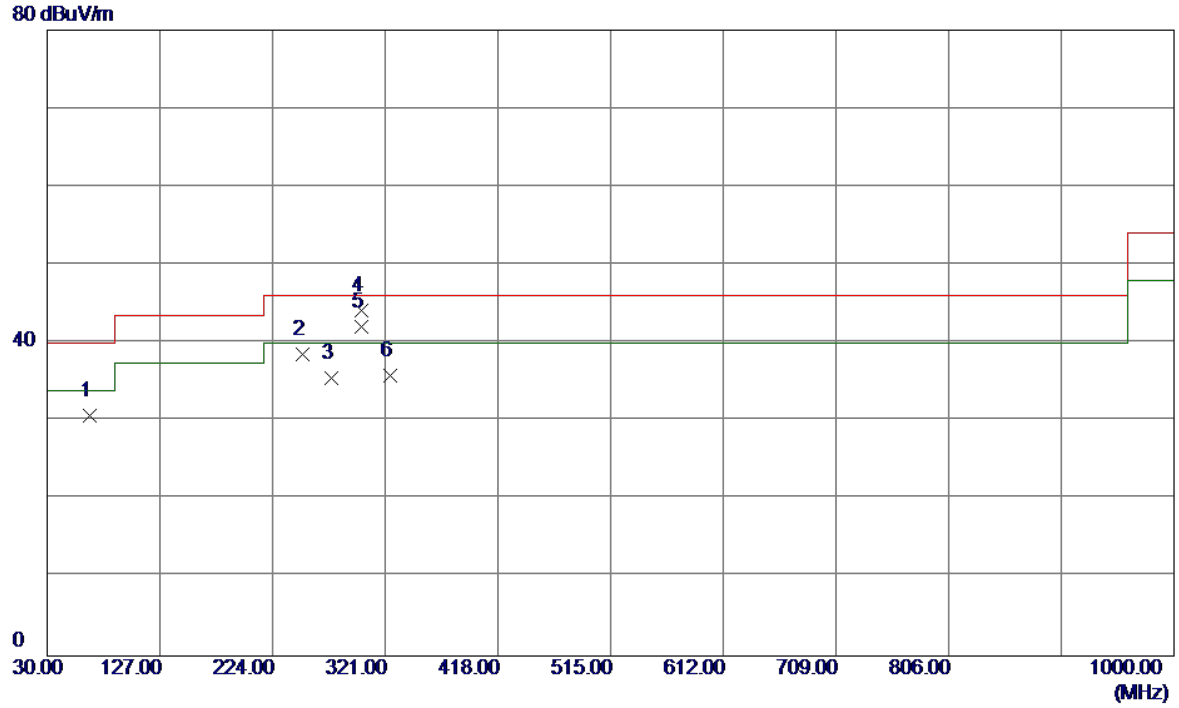
Remark：

(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。

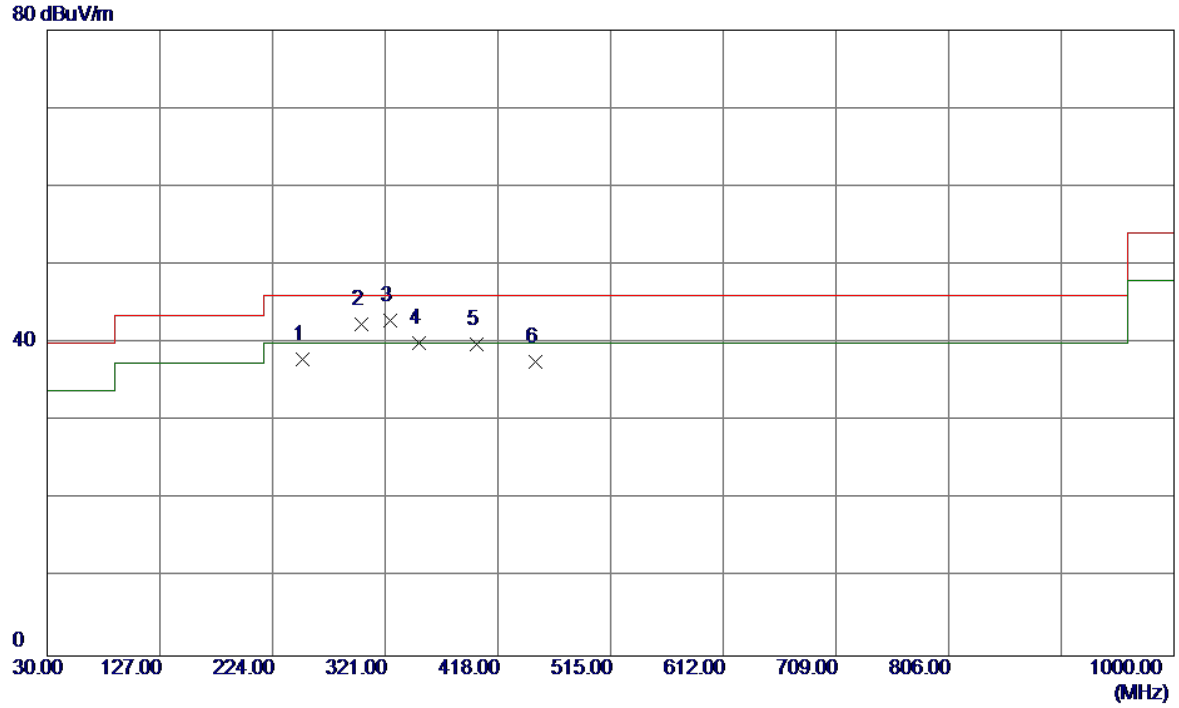
(3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table。

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Adapter Supply;Handfree		
Test Engineer	Treey Chen		



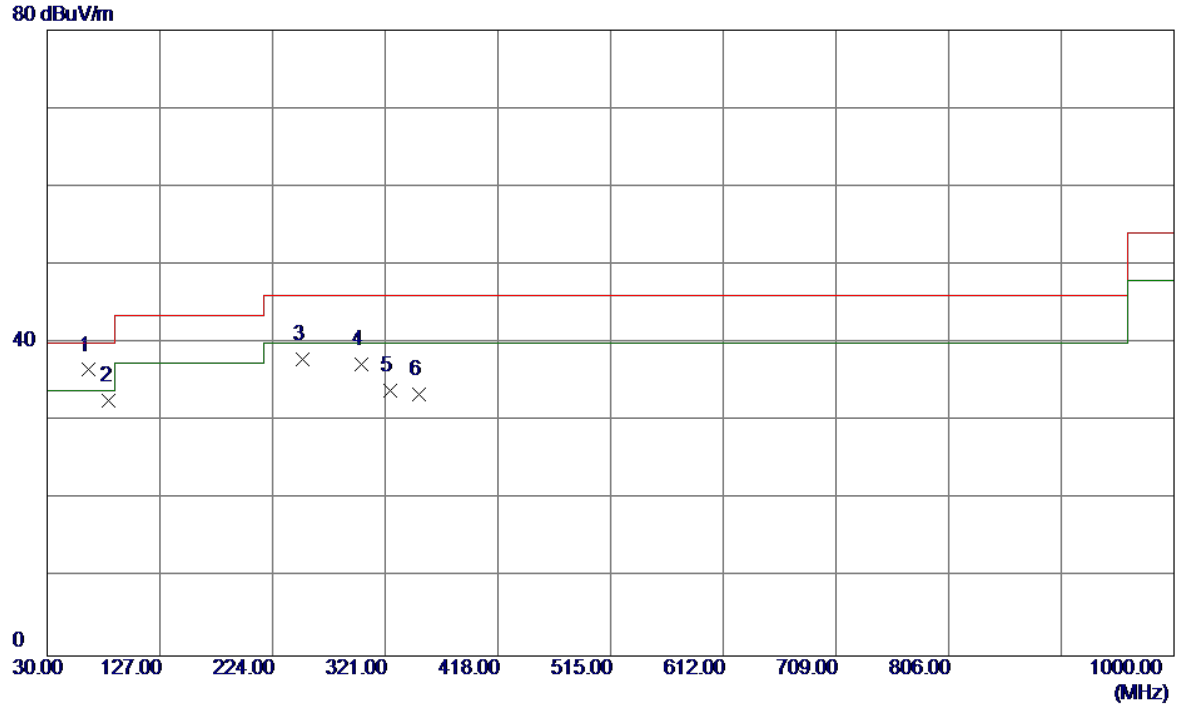
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	66.3750	40.83	-10.10	30.73	40.00	-9.27	QP
2	250.1900	46.97	-8.46	38.51	46.00	-7.49	QP
3	274.9250	42.76	-7.19	35.57	46.00	-10.43	QP
4 *	300.1450	50.60	-6.40	44.20	46.00	-1.80	QP
5	300.1450	48.54	-6.40	42.14	46.00	-3.86	QP
6	324.8800	41.64	-5.84	35.80	46.00	-10.20	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Adapter Supply;Handfree		
Test Engineer	Treey Chen		



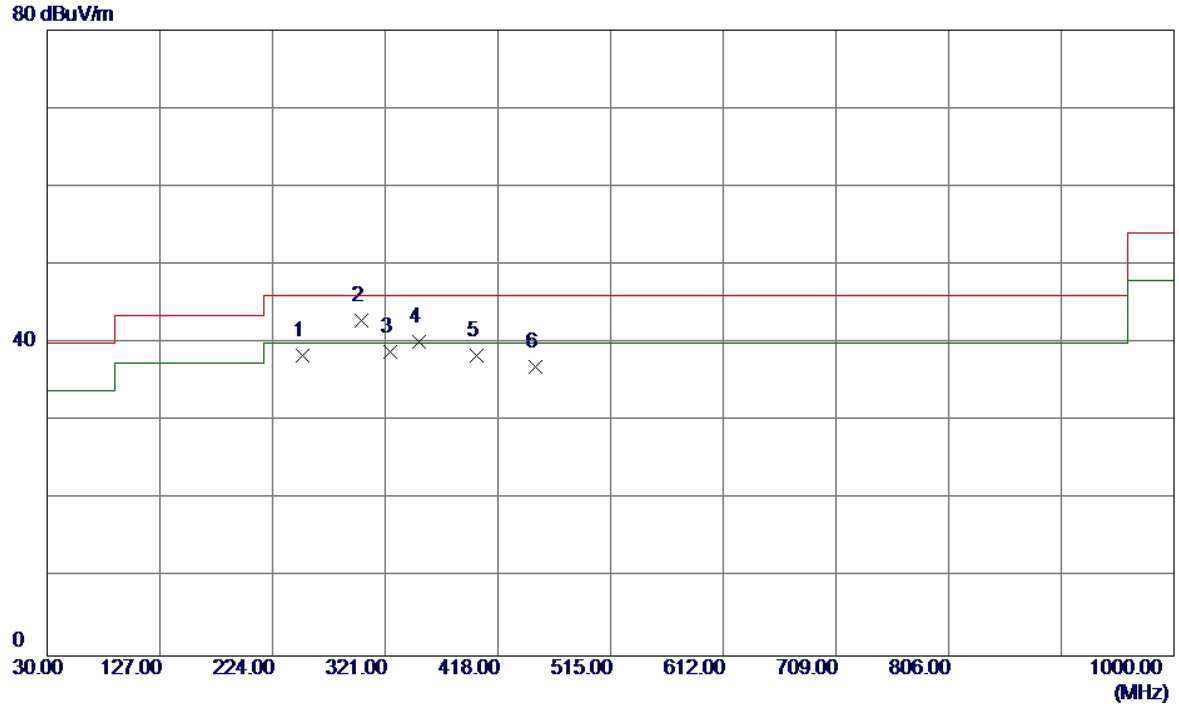
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	46.31	-8.46	37.85	46.00	-8.15	QP
2	300.1450	48.87	-6.40	42.47	46.00	-3.53	QP
3 *	324.8800	48.66	-5.84	42.82	46.00	-3.18	QP
4	350.1000	45.27	-5.27	40.00	46.00	-6.00	QP
5	400.0550	44.47	-4.70	39.77	46.00	-6.23	QP
6	450.0100	41.40	-3.78	37.62	46.00	-8.38	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Adapter Supply;Handset		
Test Engineer	Treey Chen		



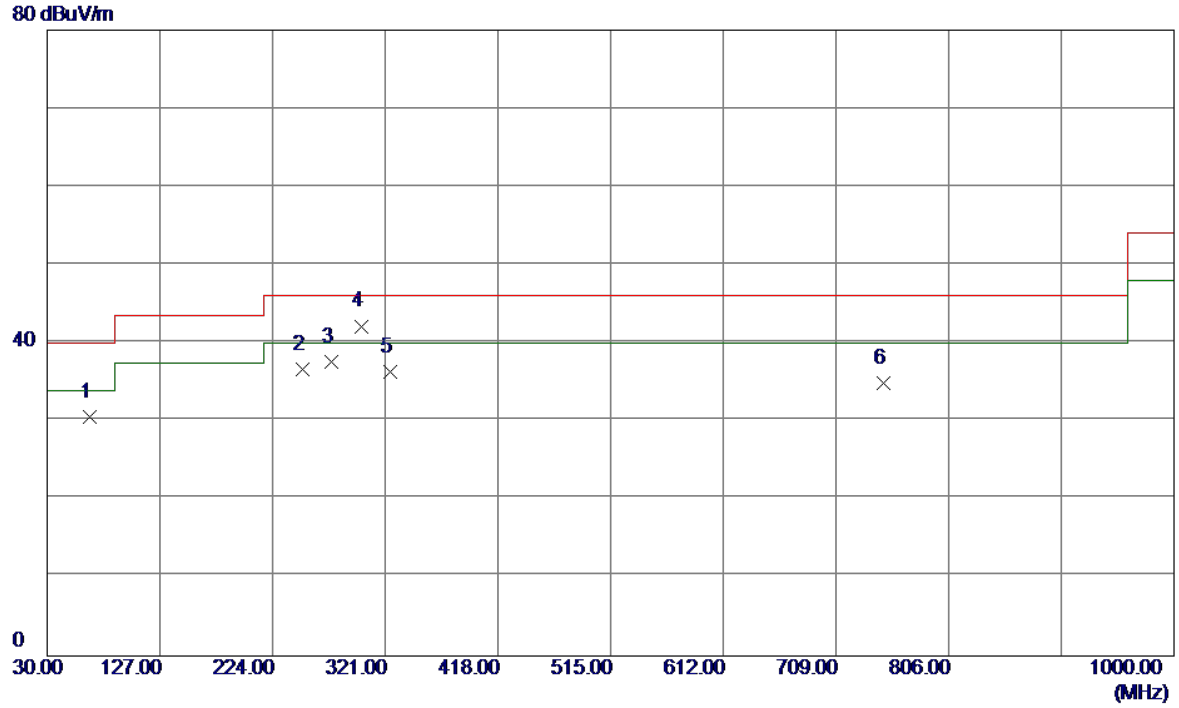
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	65.8900	46.57	-10.01	36.56	40.00	-3.44	QP
2	83.3500	45.75	-13.11	32.64	40.00	-7.36	QP
3	250.1900	46.45	-8.46	37.99	46.00	-8.01	QP
4	300.1450	43.74	-6.40	37.34	46.00	-8.66	QP
5	324.8800	39.72	-5.84	33.88	46.00	-12.12	QP
6	350.1000	38.77	-5.27	33.50	46.00	-12.50	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Adapter Supply;Handset		
Test Engineer	Treey Chen		



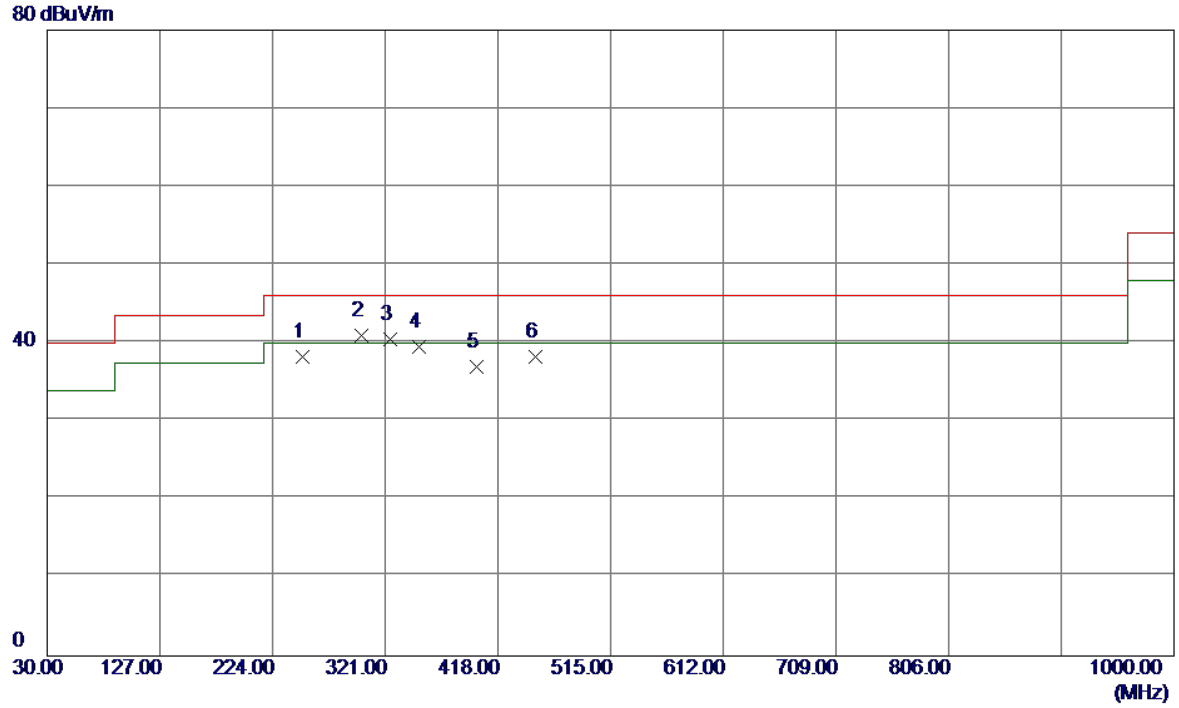
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	46.87	-8.46	38.41	46.00	-7.59	QP
2 *	300.1450	49.32	-6.40	42.92	46.00	-3.08	QP
3	324.8800	44.74	-5.84	38.90	46.00	-7.10	QP
4	350.1000	45.50	-5.27	40.23	46.00	-5.77	QP
5	400.0550	43.10	-4.70	38.40	46.00	-7.60	QP
6	450.0100	40.70	-3.78	36.92	46.00	-9.08	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Adapter Supply;Earphone		
Test Engineer	Treey Chen		



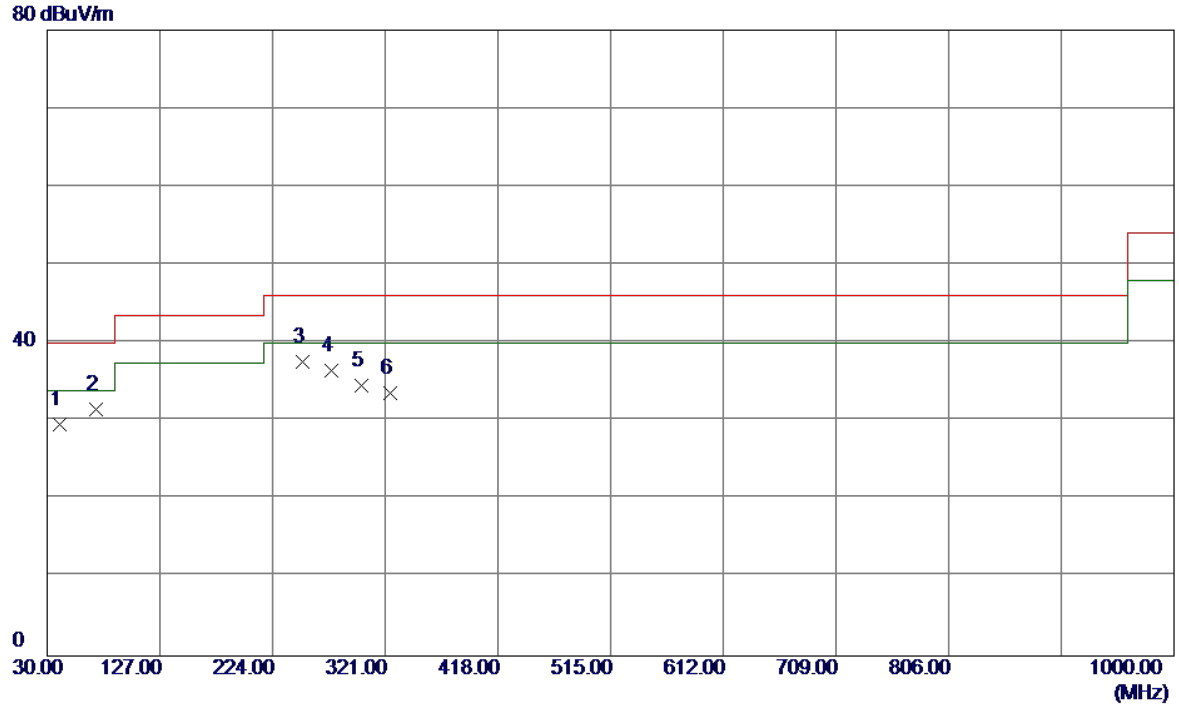
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	66.3750	40.59	-10.10	30.49	40.00	-9.51	QP
2	250.1900	45.13	-8.46	36.67	46.00	-9.33	QP
3	274.9250	44.86	-7.19	37.67	46.00	-8.33	QP
4 *	300.1450	48.56	-6.40	42.16	46.00	-3.84	QP
5	324.8800	42.16	-5.84	36.32	46.00	-9.68	QP
6	750.2250	33.37	1.49	34.86	46.00	-11.14	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Adapter Supply;Earphone		
Test Engineer	Treey Chen		



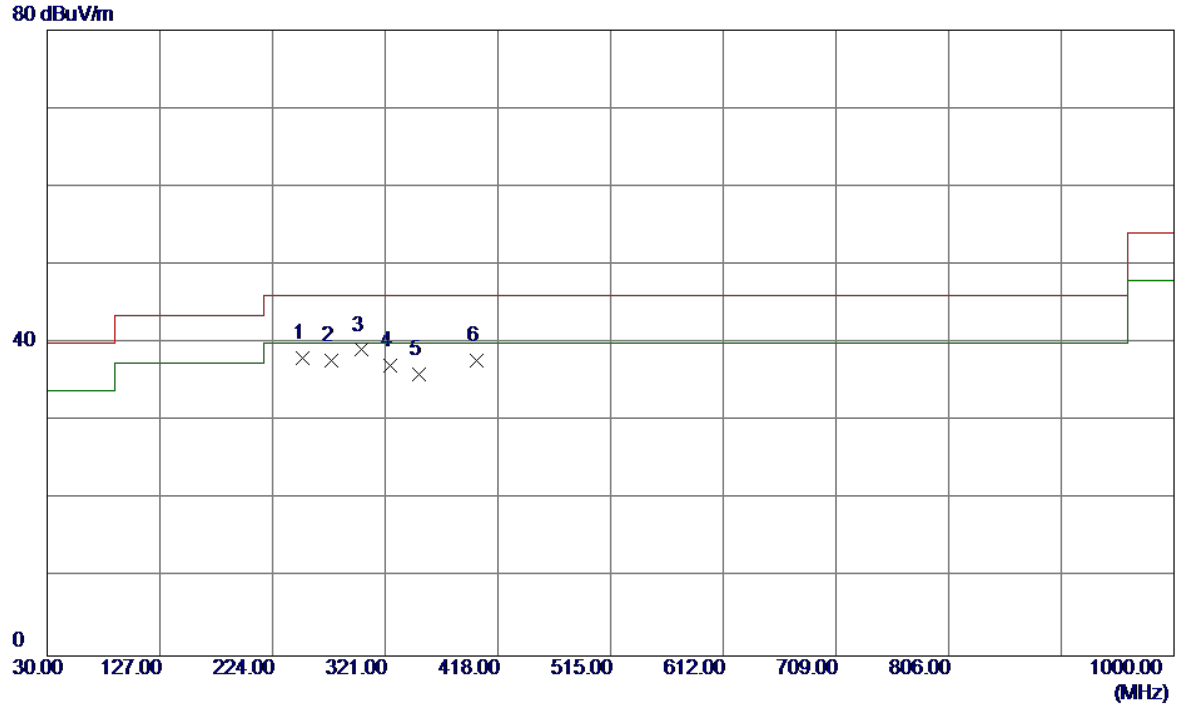
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	46.73	-8.46	38.27	46.00	-7.73	QP
2 *	300.1450	47.32	-6.40	40.92	46.00	-5.08	QP
3	324.8800	46.29	-5.84	40.45	46.00	-5.55	QP
4	350.1000	44.83	-5.27	39.56	46.00	-6.44	QP
5	400.0550	41.63	-4.70	36.93	46.00	-9.07	QP
6	450.0100	42.02	-3.78	38.24	46.00	-7.76	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	PoE Supply;Handfree		
Test Engineer	Treey Chen		



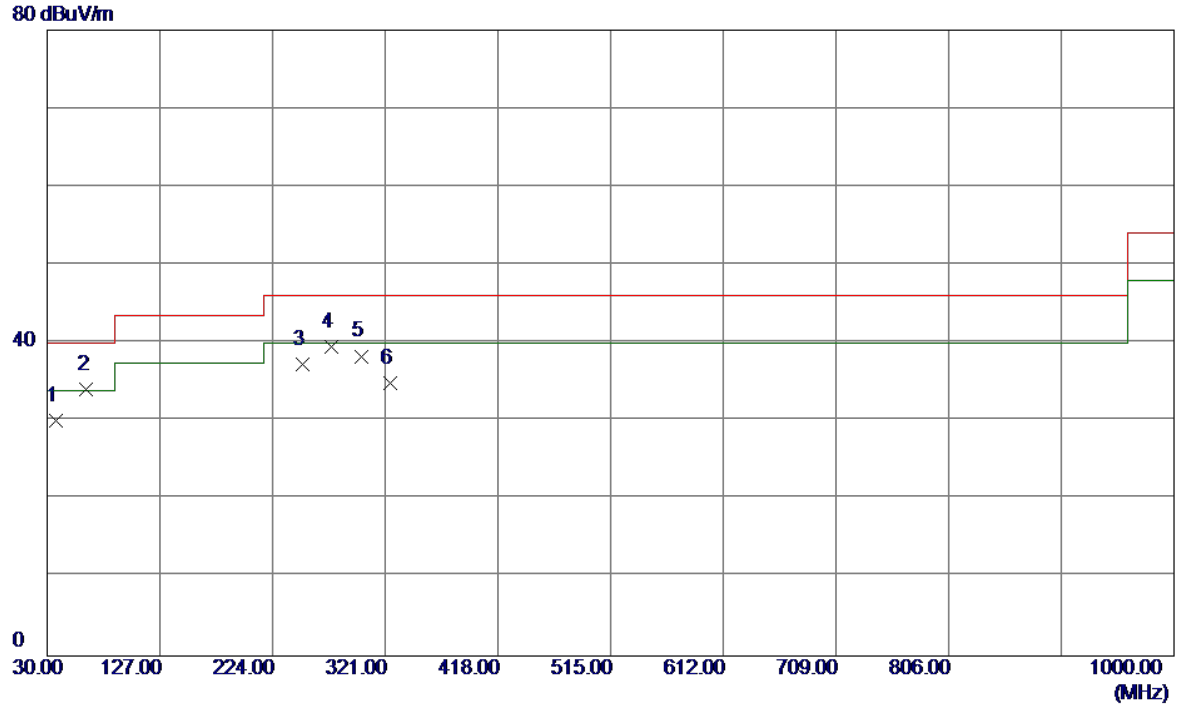
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	41.1550	38.10	-8.56	29.54	40.00	-10.46	QP
2 *	71.7100	42.69	-11.10	31.59	40.00	-8.41	QP
3	250.1900	46.04	-8.46	37.58	46.00	-8.42	QP
4	274.9250	43.64	-7.19	36.45	46.00	-9.55	QP
5	300.1450	41.01	-6.40	34.61	46.00	-11.39	QP
6	324.8800	39.40	-5.84	33.56	46.00	-12.44	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	PoE Supply;Handfree		
Test Engineer	Treey Chen		



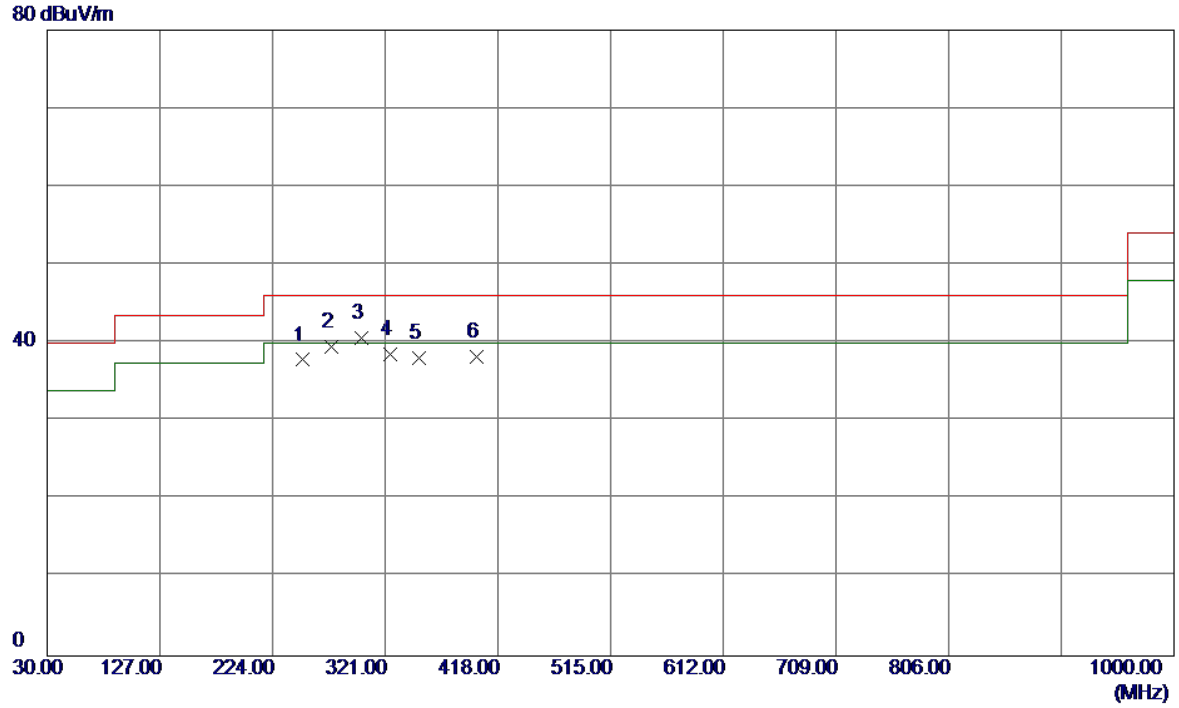
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	46.49	-8.46	38.03	46.00	-7.97	QP
2	274.9250	44.92	-7.19	37.73	46.00	-8.27	QP
3 *	300.1450	45.52	-6.40	39.12	46.00	-6.88	QP
4	324.8800	42.92	-5.84	37.08	46.00	-8.92	QP
5	350.1000	41.32	-5.27	36.05	46.00	-9.95	QP
6	400.0550	42.48	-4.70	37.78	46.00	-8.22	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	PoE Supply;Handset		
Test Engineer	Treey Chen		



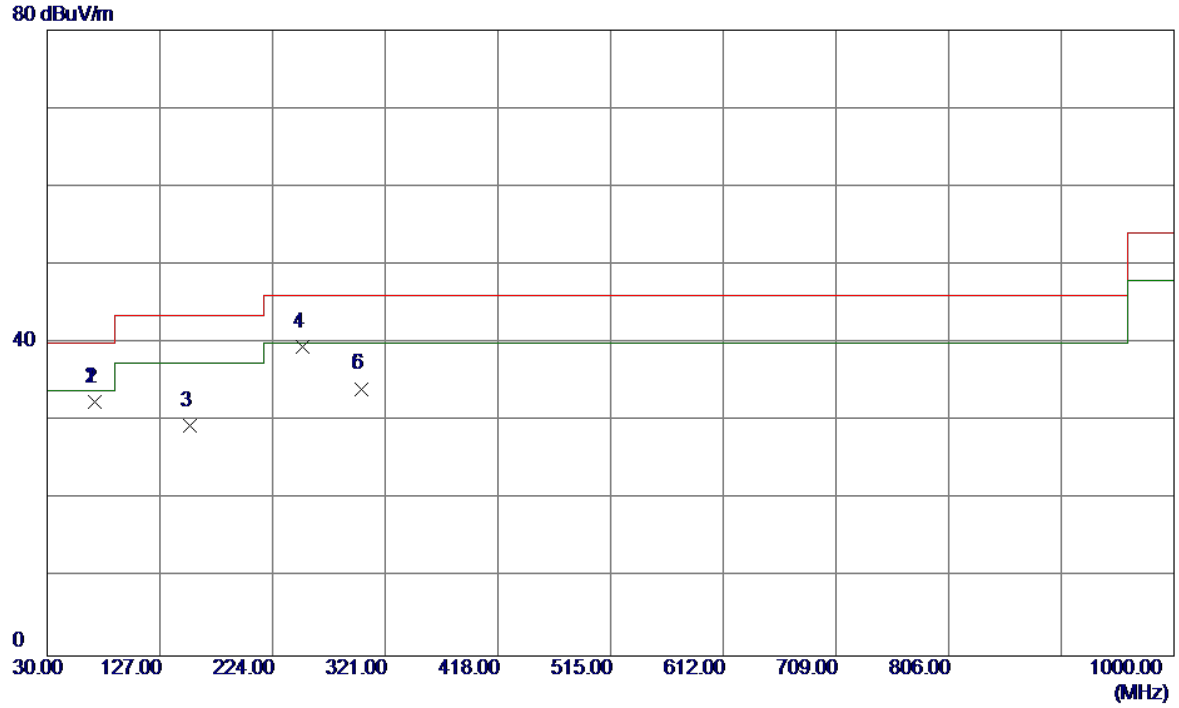
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	37.2750	39.07	-8.96	30.11	40.00	-9.89	QP
2 *	63.9500	43.71	-9.64	34.07	40.00	-5.93	QP
3	250.1900	45.72	-8.46	37.26	46.00	-8.74	QP
4	274.9250	46.67	-7.19	39.48	46.00	-6.52	QP
5	300.1450	44.72	-6.40	38.32	46.00	-7.68	QP
6	324.8800	40.71	-5.84	34.87	46.00	-11.13	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	PoE Supply;Handset		
Test Engineer	Treey Chen		



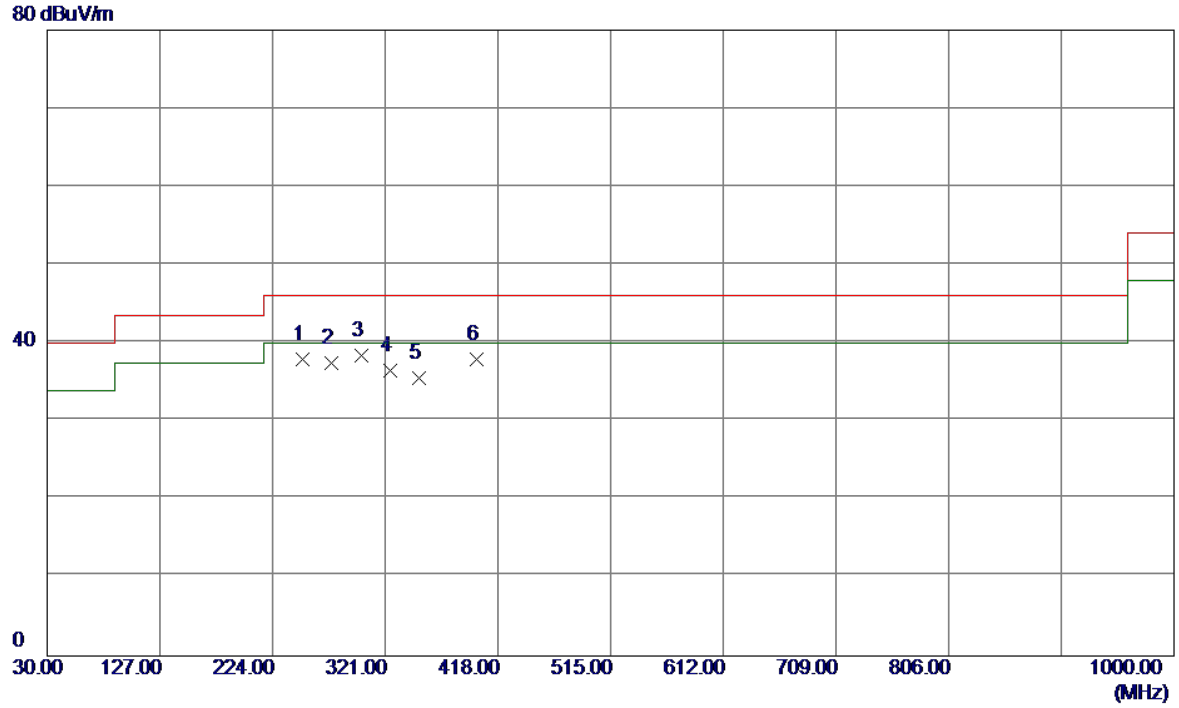
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	46.30	-8.46	37.84	46.00	-8.16	QP
2	274.9250	46.69	-7.19	39.50	46.00	-6.50	QP
3 *	300.1450	47.07	-6.40	40.67	46.00	-5.33	QP
4	324.8800	44.33	-5.84	38.49	46.00	-7.51	QP
5	350.1000	43.33	-5.27	38.06	46.00	-7.94	QP
6	400.0550	42.94	-4.70	38.24	46.00	-7.76	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	PoE Supply;Earphone		
Test Engineer	Treey Chen		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	71.2250	43.51	-11.02	32.49	40.00	-7.51	QP
2	71.2250	43.51	-11.02	32.49	40.00	-7.51	QP
3	152.7050	37.68	-8.18	29.50	43.50	-14.00	QP
4 *	250.1900	48.04	-8.46	39.58	46.00	-6.42	QP
5	300.1450	40.56	-6.40	34.16	46.00	-11.84	QP
6	300.1450	40.56	-6.40	34.16	46.00	-11.84	QP

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	PoE Supply;Earphone		
Test Engineer	Treey Chen		



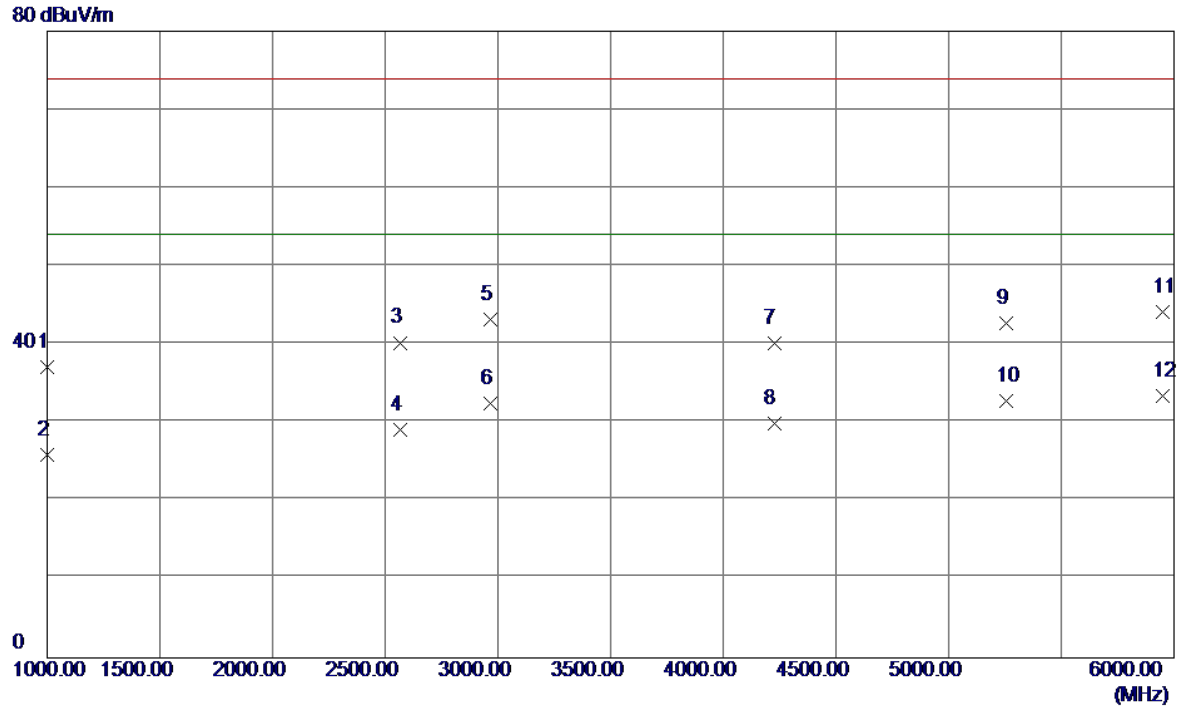
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	46.40	-8.46	37.94	46.00	-8.06	QP
2	274.9250	44.57	-7.19	37.38	46.00	-8.62	QP
3 *	300.1450	44.81	-6.40	38.41	46.00	-7.59	QP
4	324.8800	42.32	-5.84	36.48	46.00	-9.52	QP
5	350.1000	40.85	-5.27	35.58	46.00	-10.42	QP
6	400.0550	42.68	-4.70	37.98	46.00	-8.02	QP

4.2.7 TEST RESULTS-ABOVE 1GHZ

Remark：

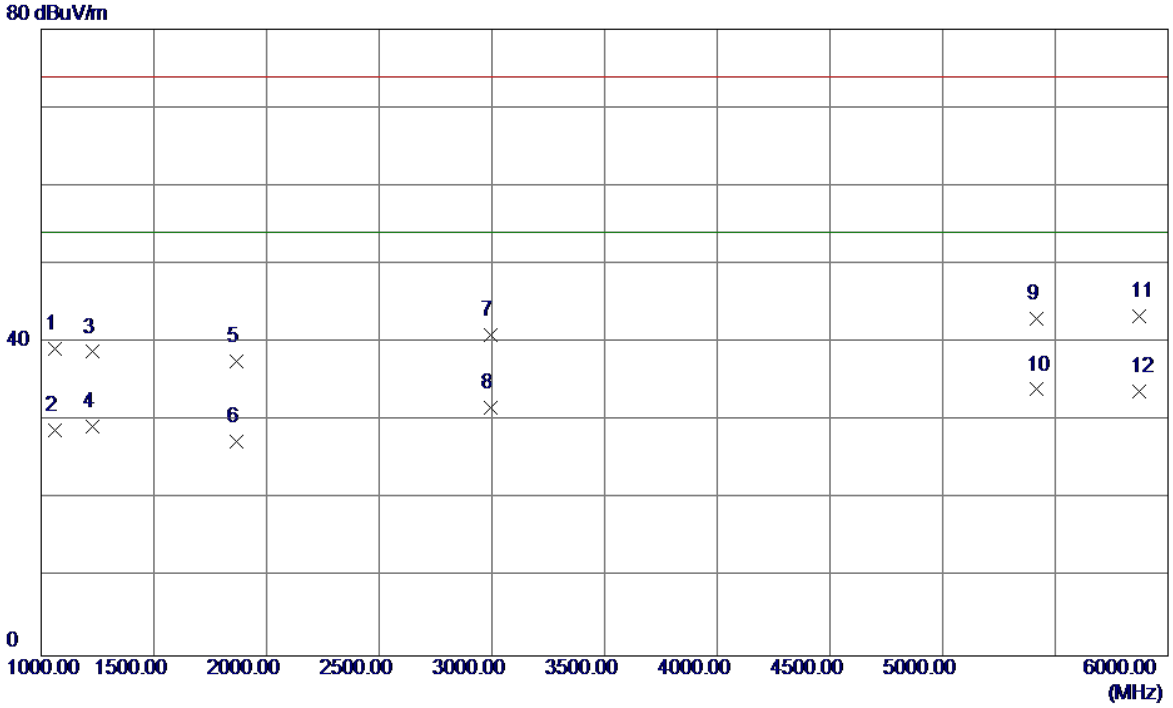
(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode 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	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Adapter Supply;Handfree		
Test Engineer	Treey Chen		



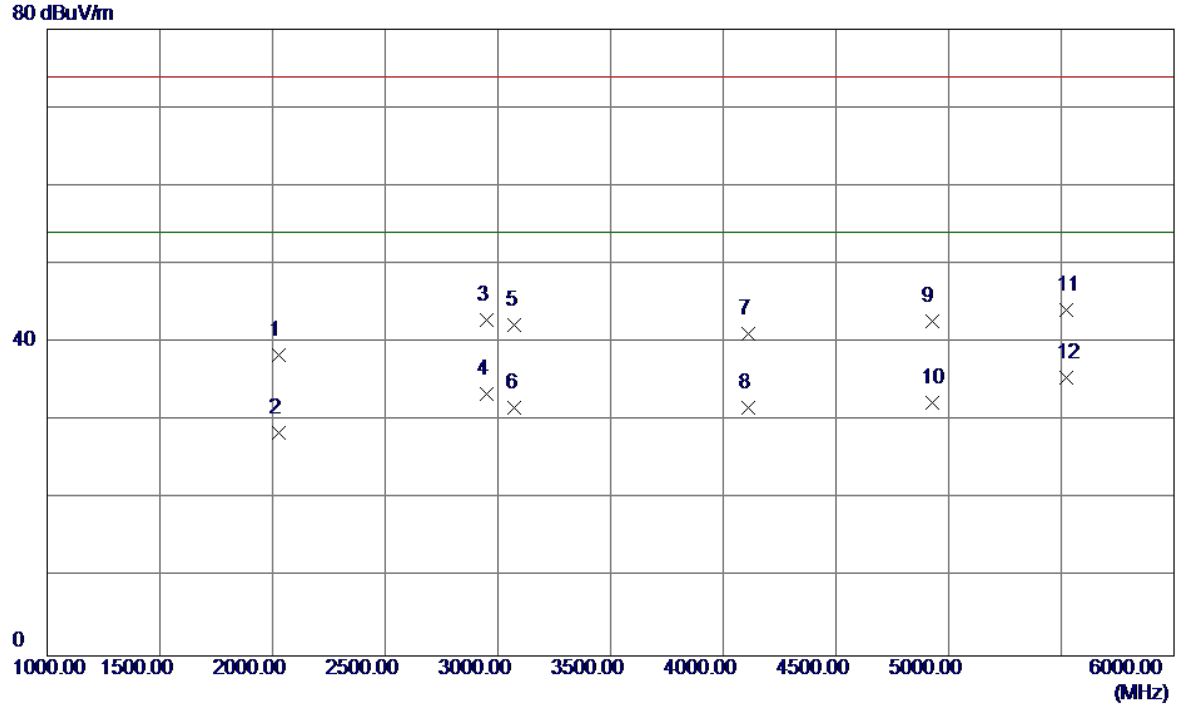
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1000.0000	43.30	-6.12	37.18	74.00	-36.82	Peak
2	1000.0000	32.10	-6.12	25.98	54.00	-28.02	AVG
3	2565.0000	40.74	-0.50	40.24	74.00	-33.76	Peak
4	2565.0000	29.59	-0.50	29.09	54.00	-24.91	AVG
5	2967.5000	42.21	0.97	43.18	74.00	-30.82	Peak
6	2967.5000	31.57	0.97	32.54	54.00	-21.46	AVG
7	4225.0000	36.86	3.37	40.23	74.00	-33.77	Peak
8	4225.0000	26.58	3.37	29.95	54.00	-24.05	AVG
9	5255.0000	36.78	5.89	42.67	74.00	-31.33	Peak
10	5255.0000	26.93	5.89	32.82	54.00	-21.18	AVG
11	5952.5000	36.74	7.47	44.21	74.00	-29.79	Peak
12 *	5952.5000	25.92	7.47	33.39	54.00	-20.61	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Adapter Supply;Handfree		
Test Engineer	Treey Chen		



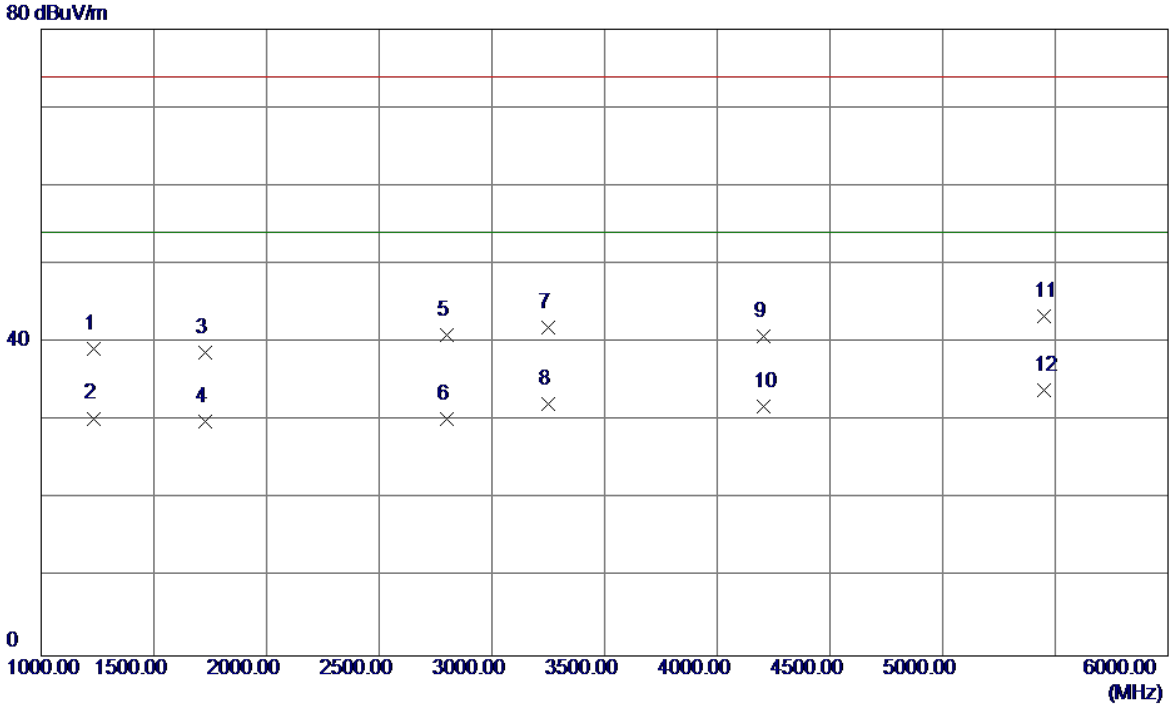
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1062.5000	44.96	-5.79	39.17	74.00	-34.83	Peak
2	1062.5000	34.57	-5.79	28.78	54.00	-25.22	AVG
3	1230.0000	43.69	-4.89	38.80	74.00	-35.20	Peak
4	1230.0000	34.10	-4.89	29.21	54.00	-24.79	AVG
5	1865.0000	40.35	-2.68	37.67	74.00	-36.33	Peak
6	1865.0000	30.11	-2.68	27.43	54.00	-26.57	AVG
7	2992.5000	39.94	1.06	41.00	74.00	-33.00	Peak
8	2992.5000	30.67	1.06	31.73	54.00	-22.27	AVG
9	5415.0000	36.84	6.21	43.05	74.00	-30.95	Peak
10 *	5415.0000	27.79	6.21	34.00	54.00	-20.00	AVG
11	5875.0000	36.13	7.28	43.41	74.00	-30.59	Peak
12	5875.0000	26.50	7.28	33.78	54.00	-20.22	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Adapter Supply;Handset		
Test Engineer	Treey Chen		



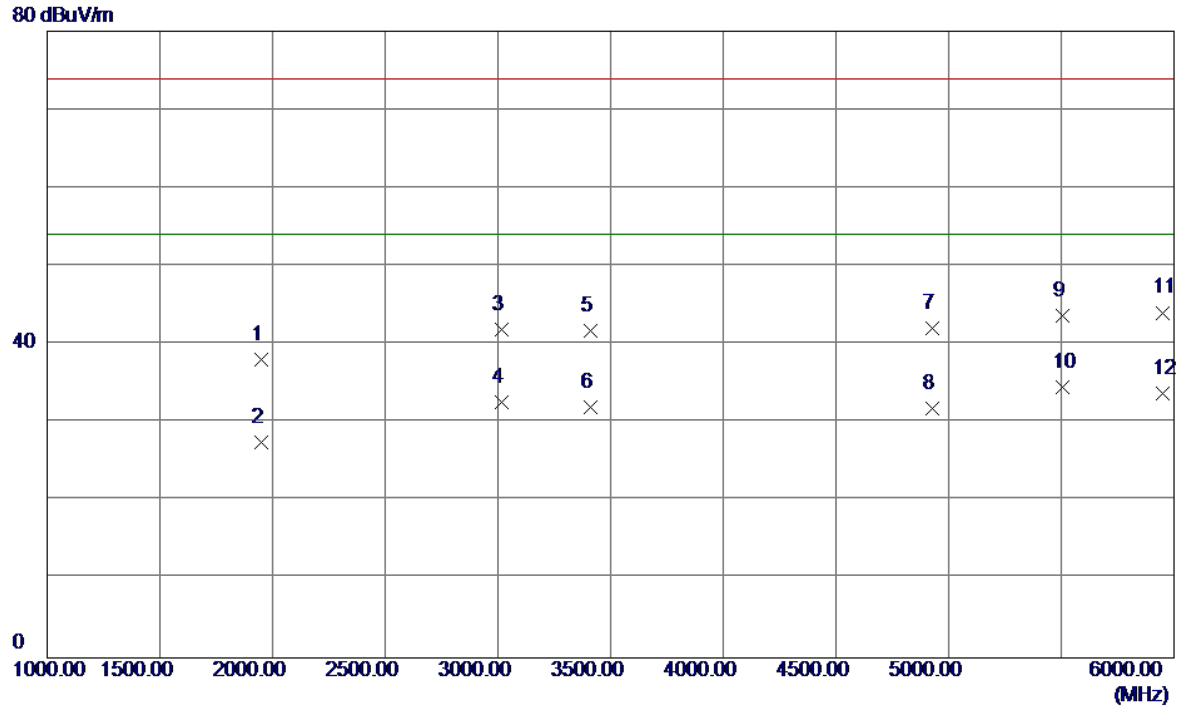
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	2030.0000	40.70	-2.30	38.40	74.00	-35.60	Peak
2	2030.0000	30.83	-2.30	28.53	54.00	-25.47	AVG
3	2950.0000	41.96	0.91	42.87	74.00	-31.13	Peak
4	2950.0000	32.51	0.91	33.42	54.00	-20.58	AVG
5	3075.0000	41.13	1.18	42.31	74.00	-31.69	Peak
6	3075.0000	30.52	1.18	31.70	54.00	-22.30	AVG
7	4112.5000	38.13	2.93	41.06	74.00	-32.94	Peak
8	4112.5000	28.73	2.93	31.66	54.00	-22.34	AVG
9	4925.0000	37.45	5.25	42.70	74.00	-31.30	Peak
10	4925.0000	27.03	5.25	32.28	54.00	-21.72	AVG
11	5522.5000	37.72	6.43	44.15	74.00	-29.85	Peak
12 *	5522.5000	29.14	6.43	35.57	54.00	-18.43	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Adapter Supply;Handset		
Test Engineer	Treey Chen		



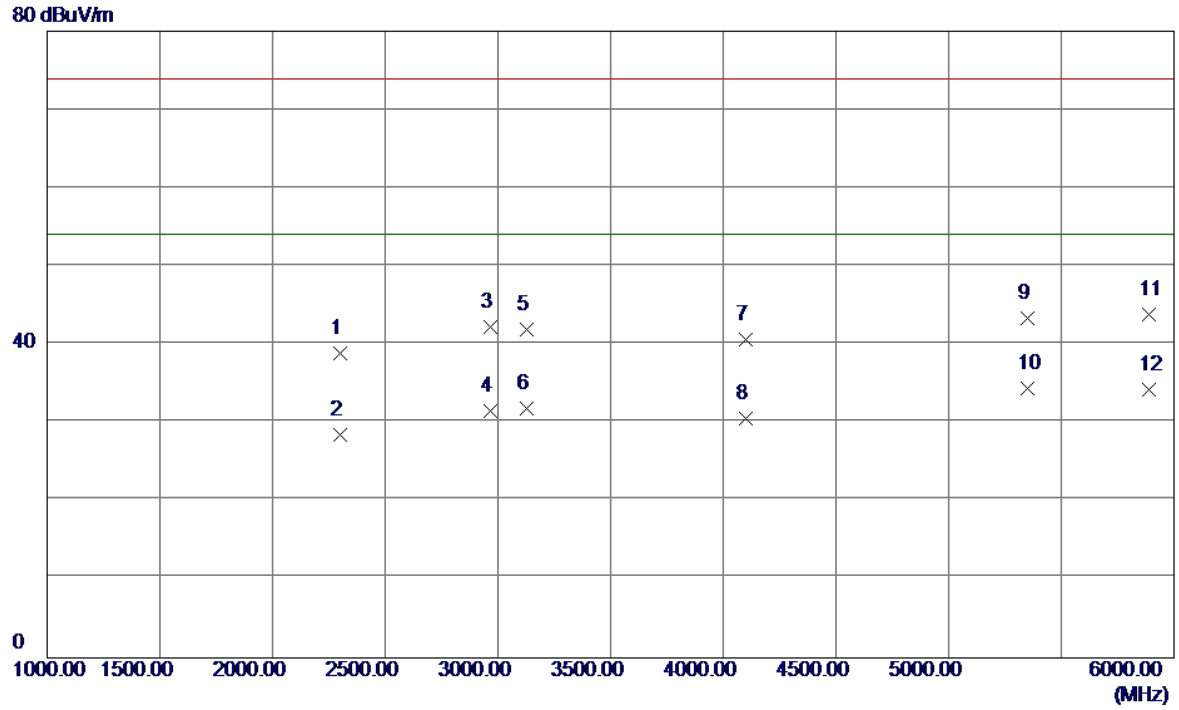
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1235.0000	44.12	-4.87	39.25	74.00	-34.75	Peak
2	1235.0000	35.19	-4.87	30.32	54.00	-23.68	AVG
3	1727.5000	41.75	-2.97	38.78	74.00	-35.22	Peak
4	1727.5000	32.94	-2.97	29.97	54.00	-24.03	AVG
5	2802.5000	40.55	0.37	40.92	74.00	-33.08	Peak
6	2802.5000	29.89	0.37	30.26	54.00	-23.74	AVG
7	3252.5000	40.57	1.39	41.96	74.00	-32.04	Peak
8	3252.5000	30.79	1.39	32.18	54.00	-21.82	AVG
9	4207.5000	37.57	3.30	40.87	74.00	-33.13	Peak
10	4207.5000	28.54	3.30	31.84	54.00	-22.16	AVG
11	5447.5000	37.07	6.28	43.35	74.00	-30.65	Peak
12 *	5447.5000	27.68	6.28	33.96	54.00	-20.04	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Adapter Supply;Earphone		
Test Engineer	Treey Chen		



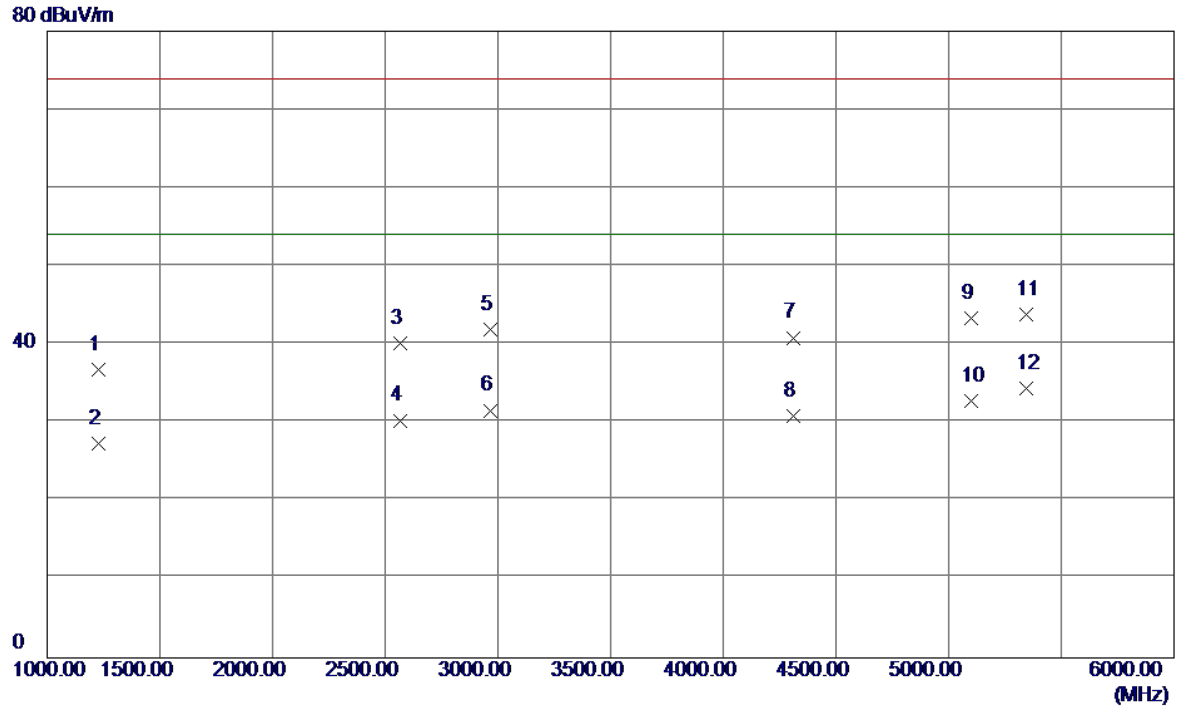
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1952.5000	40.51	-2.50	38.01	74.00	-35.99	Peak
2	1952.5000	30.00	-2.50	27.50	54.00	-26.50	AVG
3	3015.0000	40.88	1.11	41.99	74.00	-32.01	Peak
4	3015.0000	31.55	1.11	32.66	54.00	-21.34	AVG
5	3412.5000	40.15	1.58	41.73	74.00	-32.27	Peak
6	3412.5000	30.44	1.58	32.02	54.00	-21.98	AVG
7	4930.0000	36.78	5.26	42.04	74.00	-31.96	Peak
8	4930.0000	26.55	5.26	31.81	54.00	-22.19	AVG
9	5507.5000	37.29	6.40	43.69	74.00	-30.31	Peak
10 *	5507.5000	28.15	6.40	34.55	54.00	-19.45	AVG
11	5950.0000	36.62	7.46	44.08	74.00	-29.92	Peak
12	5950.0000	26.27	7.46	33.73	54.00	-20.27	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Adapter Supply;Earphone		
Test Engineer	Treey Chen		



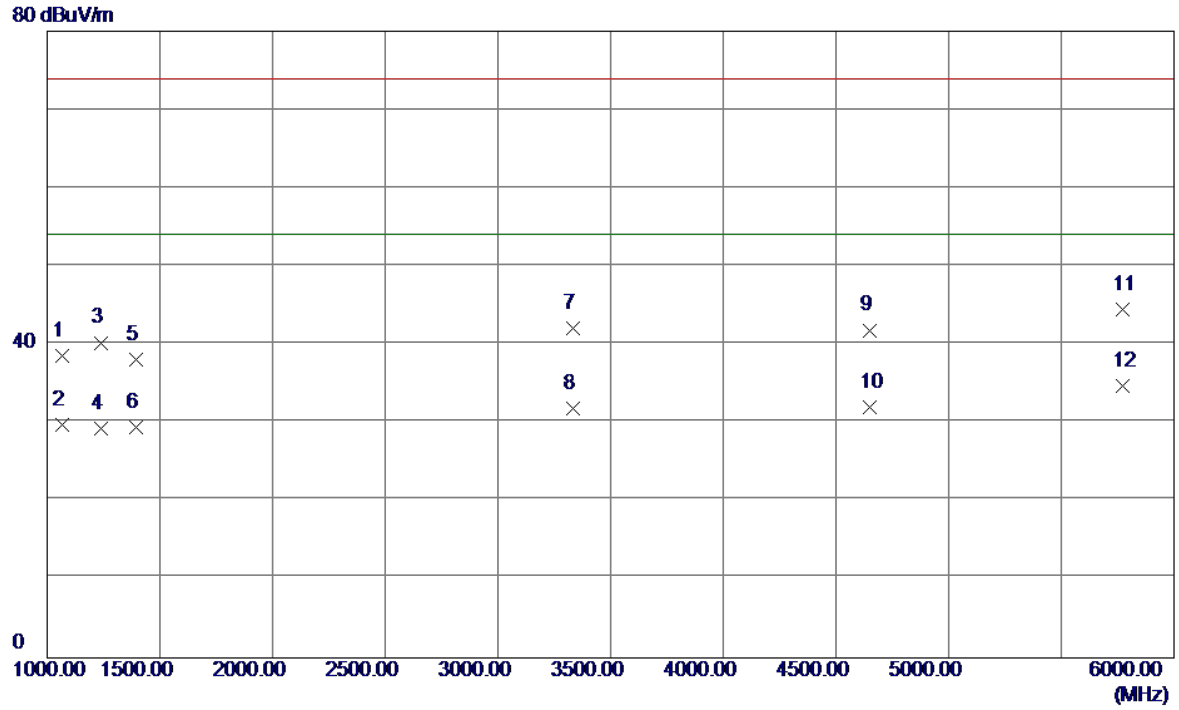
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	2300.0000	40.28	-1.40	38.88	74.00	-35.12	Peak
2	2300.0000	29.94	-1.40	28.54	54.00	-25.46	AVG
3	2965.0000	41.27	0.96	42.23	74.00	-31.77	Peak
4	2965.0000	30.60	0.96	31.56	54.00	-22.44	AVG
5	3130.0000	40.71	1.24	41.95	74.00	-32.05	Peak
6	3130.0000	30.65	1.24	31.89	54.00	-22.11	AVG
7	4097.5000	37.73	2.87	40.60	74.00	-33.40	Peak
8	4097.5000	27.62	2.87	30.49	54.00	-23.51	AVG
9	5347.5000	37.21	6.08	43.29	74.00	-30.71	Peak
10 *	5347.5000	28.26	6.08	34.34	54.00	-19.66	AVG
11	5890.0000	36.57	7.32	43.89	74.00	-30.11	Peak
12	5890.0000	26.93	7.32	34.25	54.00	-19.75	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	PoE Supply;Handfree		
Test Engineer	Treey Chen		



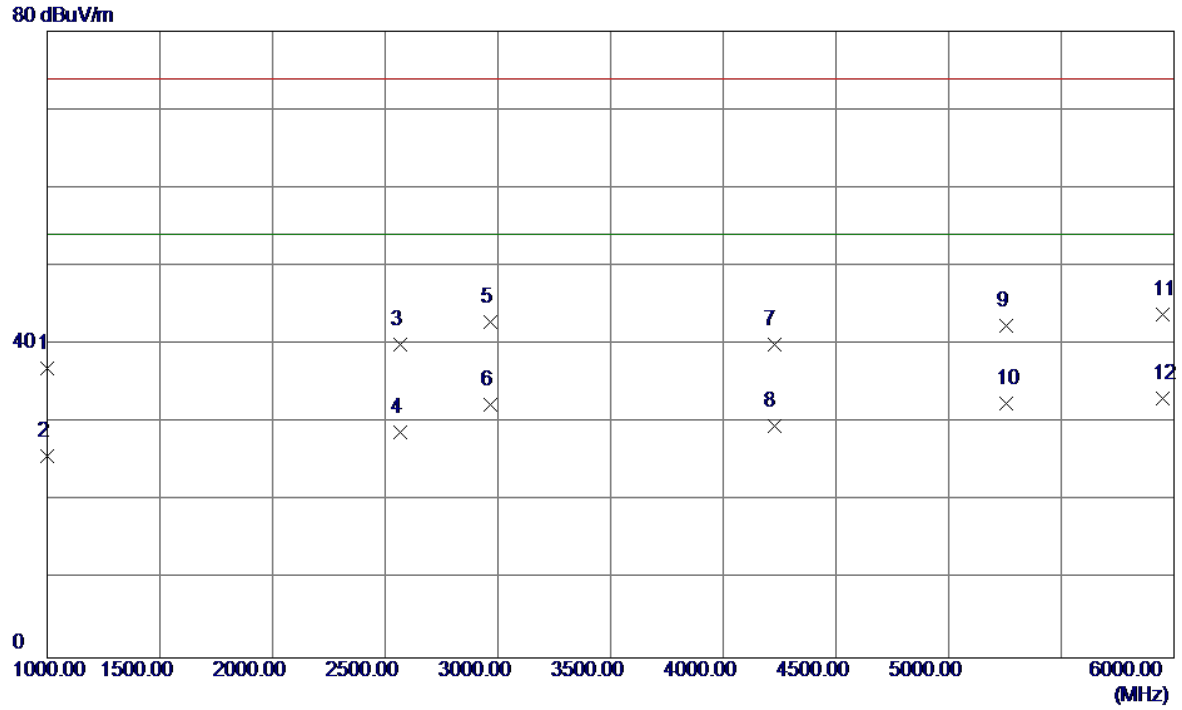
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1230.0000	41.72	-4.89	36.83	74.00	-37.17	Peak
2	1230.0000	32.23	-4.89	27.34	54.00	-26.66	AVG
3	2565.0000	40.73	-0.50	40.23	74.00	-33.77	Peak
4	2565.0000	30.82	-0.50	30.32	54.00	-23.68	AVG
5	2967.5000	40.96	0.97	41.93	74.00	-32.07	Peak
6	2967.5000	30.63	0.97	31.60	54.00	-22.40	AVG
7	4310.0000	37.18	3.70	40.88	74.00	-33.12	Peak
8	4310.0000	27.19	3.70	30.89	54.00	-23.11	AVG
9	5100.0000	37.76	5.59	43.35	74.00	-30.65	Peak
10	5100.0000	27.27	5.59	32.86	54.00	-21.14	AVG
11	5345.0000	37.74	6.07	43.81	74.00	-30.19	Peak
12 *	5345.0000	28.27	6.07	34.34	54.00	-19.66	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	PoE Supply;Handfree		
Test Engineer	Treey Chen		



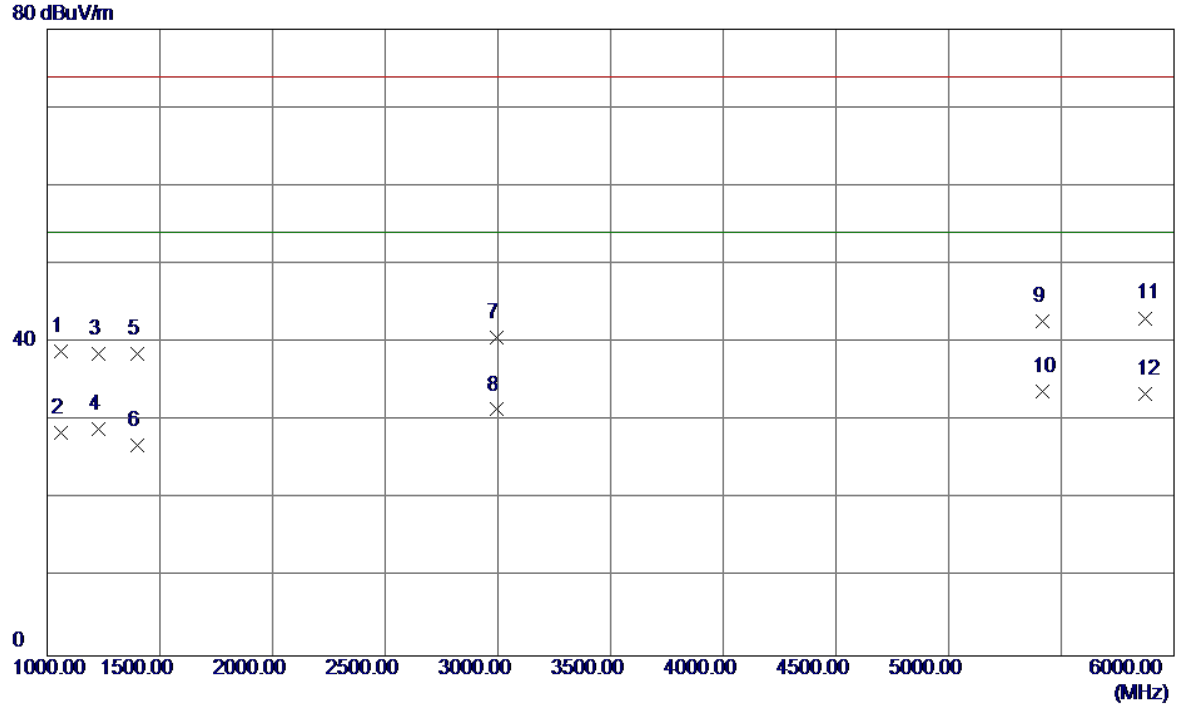
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1065.0000	44.37	-5.77	38.60	74.00	-35.40	Peak
2	1065.0000	35.52	-5.77	29.75	54.00	-24.25	AVG
3	1237.5000	45.09	-4.85	40.24	74.00	-33.76	Peak
4	1237.5000	34.14	-4.85	29.29	54.00	-24.71	AVG
5	1395.0000	42.05	-4.01	38.04	74.00	-35.96	Peak
6	1395.0000	33.38	-4.01	29.37	54.00	-24.63	AVG
7	3332.5000	40.60	1.48	42.08	74.00	-31.92	Peak
8	3332.5000	30.41	1.48	31.89	54.00	-22.11	AVG
9	4652.5000	37.11	4.73	41.84	74.00	-32.16	Peak
10	4652.5000	27.32	4.73	32.05	54.00	-21.95	AVG
11	5770.0000	37.44	7.03	44.47	74.00	-29.53	Peak
12 *	5770.0000	27.73	7.03	34.76	54.00	-19.24	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	PoE Supply;Handset		
Test Engineer	Treey Chen		



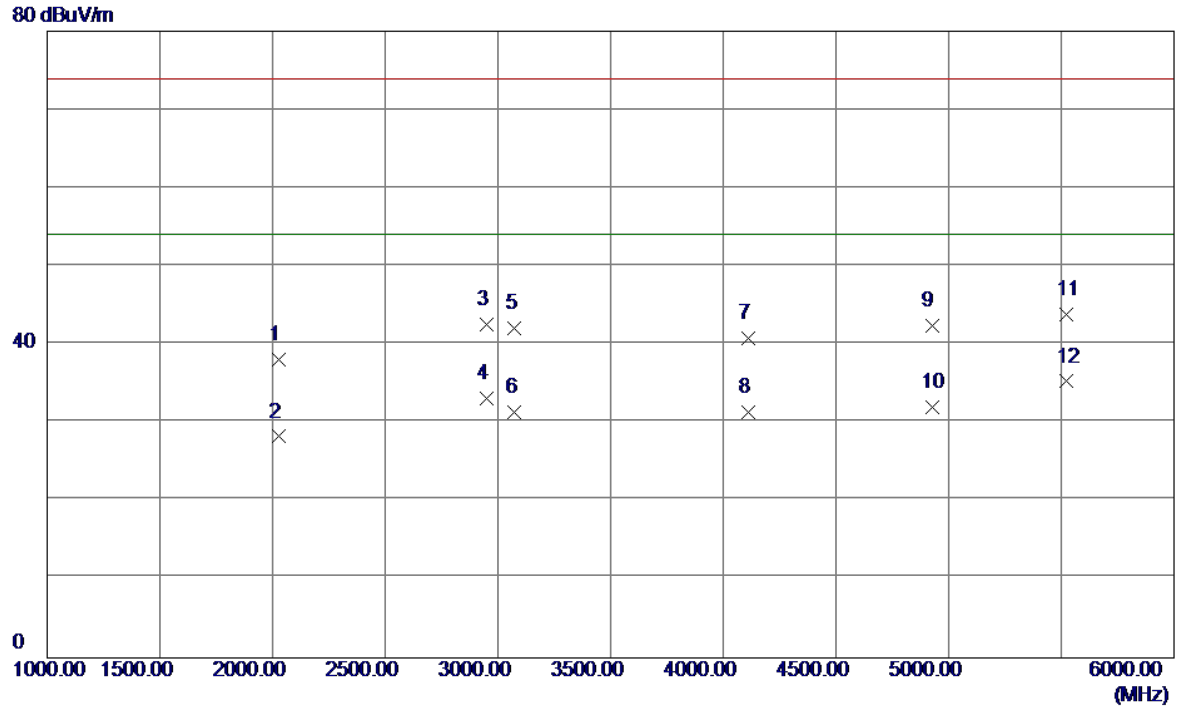
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1000.0000	43.01	-6.12	36.89	74.00	-37.11	Peak
2	1000.0000	31.81	-6.12	25.69	54.00	-28.31	AVG
3	2565.0000	40.45	-0.50	39.95	74.00	-34.05	Peak
4	2565.0000	29.30	-0.50	28.80	54.00	-25.20	AVG
5	2967.5000	41.92	0.97	42.89	74.00	-31.11	Peak
6	2967.5000	31.28	0.97	32.25	54.00	-21.75	AVG
7	4225.0000	36.57	3.37	39.94	74.00	-34.06	Peak
8	4225.0000	26.29	3.37	29.66	54.00	-24.34	AVG
9	5255.0000	36.49	5.89	42.38	74.00	-31.62	Peak
10	5255.0000	26.64	5.89	32.53	54.00	-21.47	AVG
11	5952.5000	36.45	7.47	43.92	74.00	-30.08	Peak
12 *	5952.5000	25.63	7.47	33.10	54.00	-20.90	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	PoE Supply;Handset		
Test Engineer	Treey Chen		



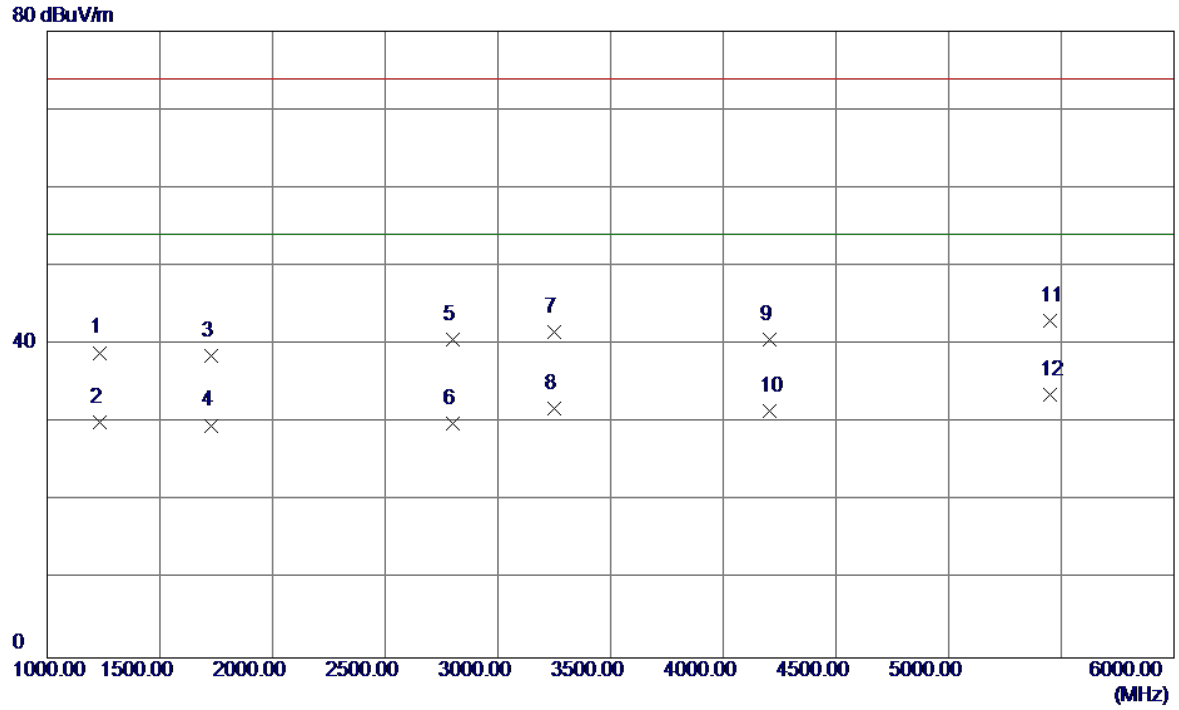
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1062.5000	44.67	-5.79	38.88	74.00	-35.12	Peak
2	1062.5000	34.28	-5.79	28.49	54.00	-25.51	AVG
3	1230.0000	43.40	-4.89	38.51	74.00	-35.49	Peak
4	1230.0000	33.81	-4.89	28.92	54.00	-25.08	AVG
5	1400.0000	42.47	-3.98	38.49	74.00	-35.51	Peak
6	1400.0000	30.82	-3.98	26.84	54.00	-27.16	AVG
7	2992.5000	39.65	1.06	40.71	74.00	-33.29	Peak
8	2992.5000	30.38	1.06	31.44	54.00	-22.56	AVG
9	5415.0000	36.55	6.21	42.76	74.00	-31.24	Peak
10 *	5415.0000	27.50	6.21	33.71	54.00	-20.29	AVG
11	5875.0000	35.84	7.28	43.12	74.00	-30.88	Peak
12	5875.0000	26.21	7.28	33.49	54.00	-20.51	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	PoE Supply;Earphone		
Test Engineer	Treey Chen		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	2030.0000	40.41	-2.30	38.11	74.00	-35.89	Peak
2	2030.0000	30.54	-2.30	28.24	54.00	-25.76	AVG
3	2950.0000	41.67	0.91	42.58	74.00	-31.42	Peak
4	2950.0000	32.22	0.91	33.13	54.00	-20.87	AVG
5	3075.0000	40.84	1.18	42.02	74.00	-31.98	Peak
6	3075.0000	30.23	1.18	31.41	54.00	-22.59	AVG
7	4112.5000	37.84	2.93	40.77	74.00	-33.23	Peak
8	4112.5000	28.44	2.93	31.37	54.00	-22.63	AVG
9	4925.0000	37.16	5.25	42.41	74.00	-31.59	Peak
10	4925.0000	26.74	5.25	31.99	54.00	-22.01	AVG
11	5522.5000	37.43	6.43	43.86	74.00	-30.14	Peak
12 *	5522.5000	28.85	6.43	35.28	54.00	-18.72	AVG

EUT	IP Phone	Model Name	F4G
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	PoE Supply;Earphone		
Test Engineer	Treey Chen		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1235.0000	43.83	-4.87	38.96	74.00	-35.04	Peak
2	1235.0000	34.90	-4.87	30.03	54.00	-23.97	AVG
3	1727.5000	41.46	-2.97	38.49	74.00	-35.51	Peak
4	1727.5000	32.65	-2.97	29.68	54.00	-24.32	AVG
5	2802.5000	40.26	0.37	40.63	74.00	-33.37	Peak
6	2802.5000	29.60	0.37	29.97	54.00	-24.03	AVG
7	3252.5000	40.28	1.39	41.67	74.00	-32.33	Peak
8	3252.5000	30.50	1.39	31.89	54.00	-22.11	AVG
9	4207.5000	37.28	3.30	40.58	74.00	-33.42	Peak
10	4207.5000	28.25	3.30	31.55	54.00	-22.45	AVG
11	5447.5000	36.78	6.28	43.06	74.00	-30.94	Peak
12 *	5447.5000	27.39	6.28	33.67	54.00	-20.33	AVG