

ISED EMC Test Report

Project No. : 1710C220
Equipment : IP Phone
Test Model : E6G
Series Model : F6, F6G
Applicant : Fanvil Technology Co.Ltd
Address : Room 401-403, Building 1, Block 2, Gaoxinqi Industry Park, 67th District, Bao'An, Shenzhen, 518100 P.R. China.

Date of Receipt : Oct. 23, 2017
Date of Test : Oct. 23, 2017 ~ Dec. 20, 2017
Issued Date : Dec. 21, 2017
Tested by : BTL Inc.

Testing Engineer : Jason Yang
(Jason Yang)
Technical Manager : Bill Zhang
(Bill Zhang)
Authorized Signatory : Tony Li
(Tony Li)

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000



Declaration

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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-ISEDE-1-1710C220	Original Issue.	Dec. 21, 2017

1. CERIFICATION

Equipment : IP Phone
Brand Name : Fanvil
Test Model : E6G
Series Model : F6, F6G
Applicant : Fanvil Technology Co.Ltd
Manufacturer : Fanvil Technology Co.Ltd
Address : Room 401-403, Building 1, Block 2, Gaoxinqi Industry Park,67th District,
Bao'An, Shenzhen, 518100 P.R. China.
Factory : Fanvil Technology Co.Ltd
Address : Room 401-403, Building 1, Block 2, Gaoxinqi Industry Park,67th District,
Bao'An, Shenzhen, 518100 P.R. China.
Date of Test : Oct. 23, 2017 ~ Oct. 31, 2017
Test Sample : Engineering Sample
Standard(s) : ICES-003 Issue 6: 2016
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-ISEDE-1-1710C220) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP 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
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 333MHz 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.
BTL's test firm number for IC: 4428B-3

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-CB08 (3m)	CISPR	30MHz ~ 200MHz	V	4.68
		30MHz ~ 200MHz	H	4.68
		200MHz ~ 1,000MHz	V	4.90
		200MHz ~ 1,000MHz	H	4.90

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB08 (3m)	CISPR	1 ~ 6 GHz	4.26
		6 ~18 GHz	5.30

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	E6G
Series Model	F6, F6G
Model Difference	Only differ in model name.
Power Source	#1 Supplied form PoE. #2 DC Voltage supplied from AC/DC adapter. Model: F12US1200100A Manufacturer: Shenzhen Sunlight Electronic Technology Co.,Ltd
Power Rating	#1 DC48V #2 I/P: AC100-240V 50/60Hz 0.5A max L.P.S O/P: 12V --- 1.0A
Connecting I/O port(s)	1* USB port 1* DC port 1* PC port 1* Internet port 1* 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	Handfree
Mode 2	Handset
Mode 3	Headphone

For Conducted Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset
Mode 3	Headphone

For Radiated Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset
Mode 3	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:

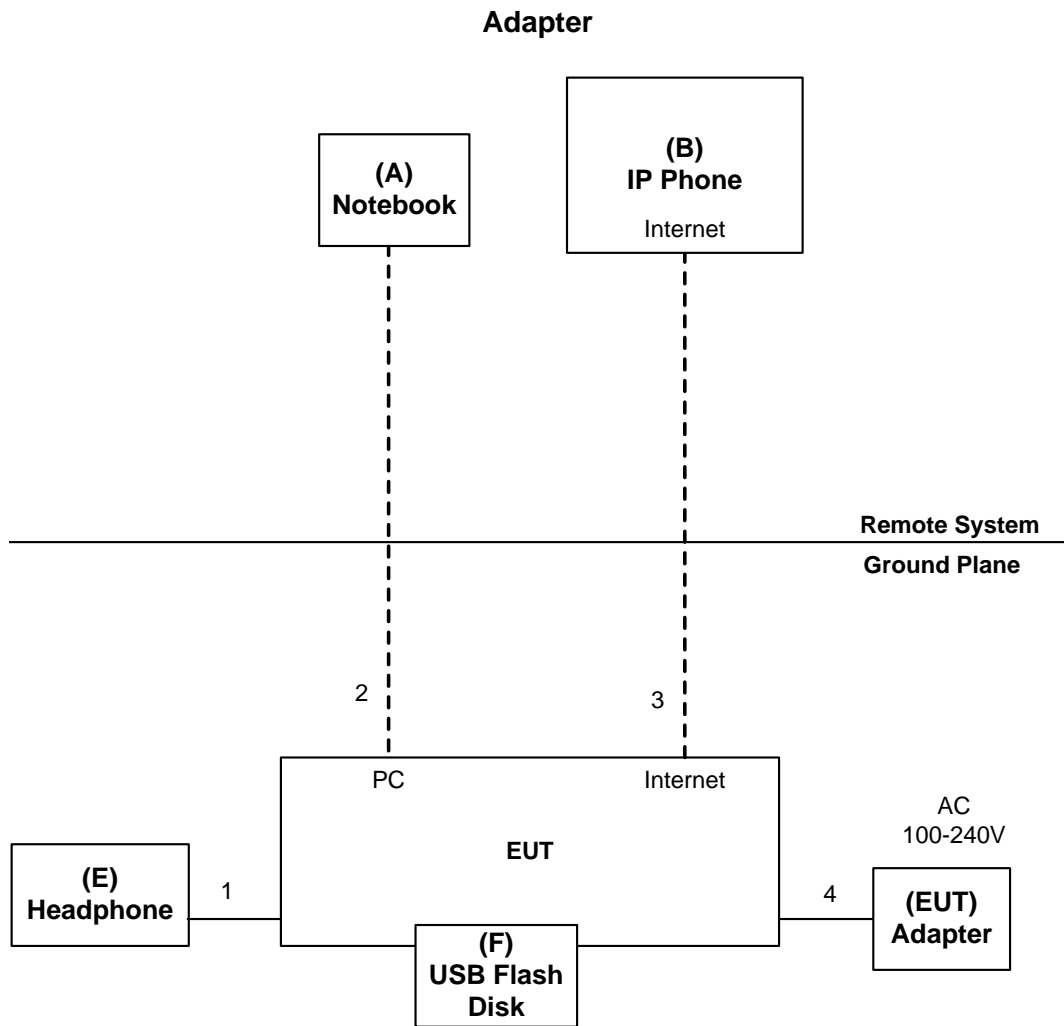
Adapter:

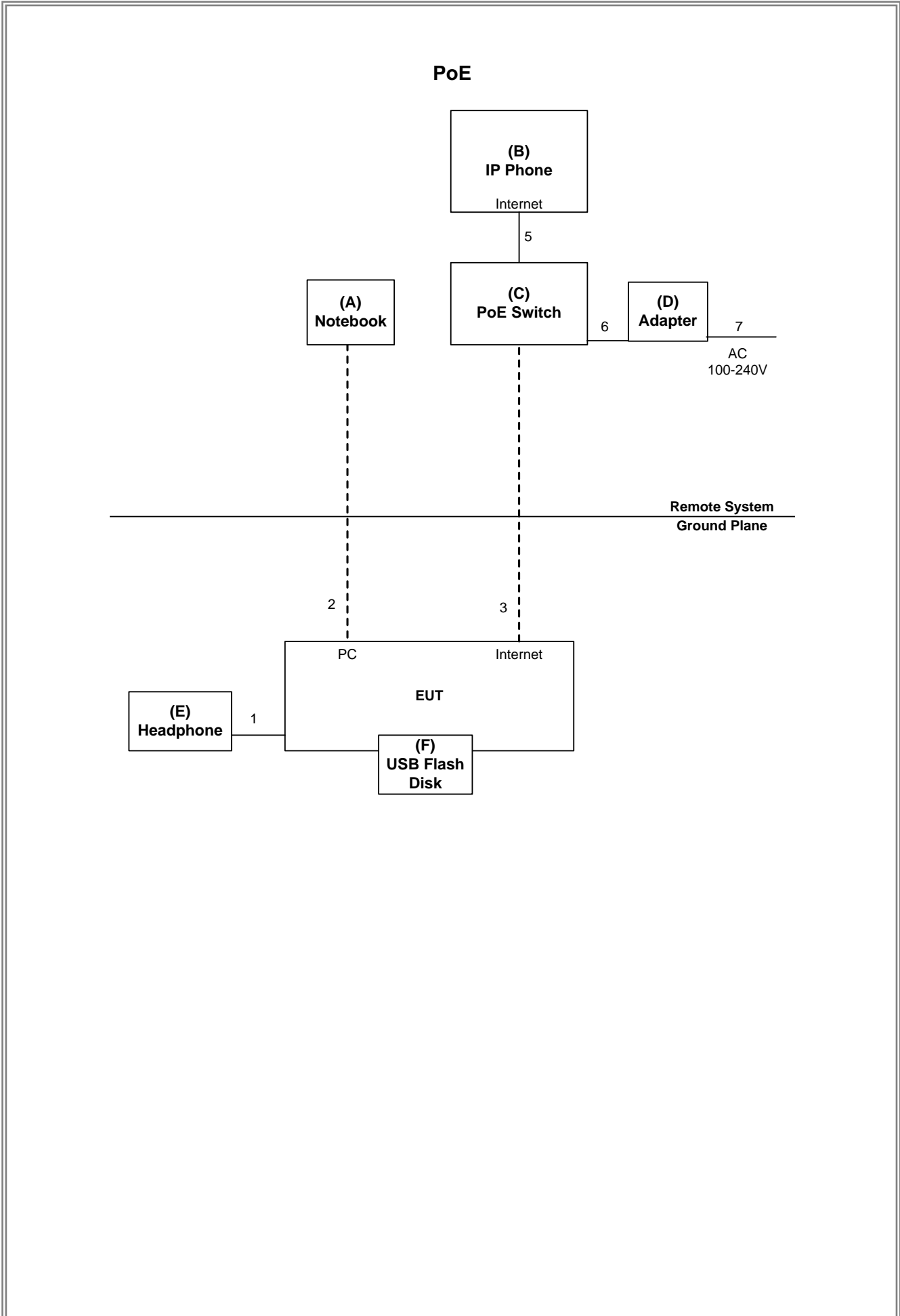
1. EUT connected to notebook and IP Phone via RJ45 cable.
2. EUT connected to headphone via RJ11 cable.
3. EUT connected to adapter via DC cable.
4. The USB flash disk is plugged into the EUT.

PoE:

1. EUT connected to notebook and PoE switch via RJ45 cable.
2. EUT connected to headphone via RJ11 cable.
3. PoE switch connected to IP Phone via RJ45 cable.
4. PoE switch connected to adapter via DC cable.
5. The USB flash disk is plugged into the EUT.

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	X3SP	N/A	1000HF7371004260
C	PoE Switch	Fanvil	DGS-1008P/Dlink	N/A	N/A
D	Adapter	Leader	NU60-F4B0125-I1NN	N/A	N/A
E	Headphone	Fanvil	A310QD	N/A	N/A
F	USB Flash Disk	Kingston	DTI/1GB	DOC	39621564-014D517

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	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018
2	LISN	EMCO	3816/2	52765	Mar. 26, 2018
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 26, 2018
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A 1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Oct. 19, 2018

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

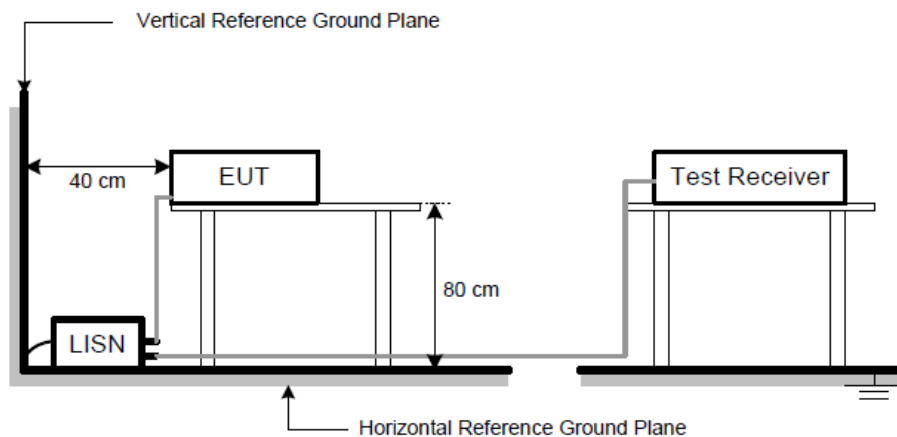
4.1.3 TEST PROCEDURE

- 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

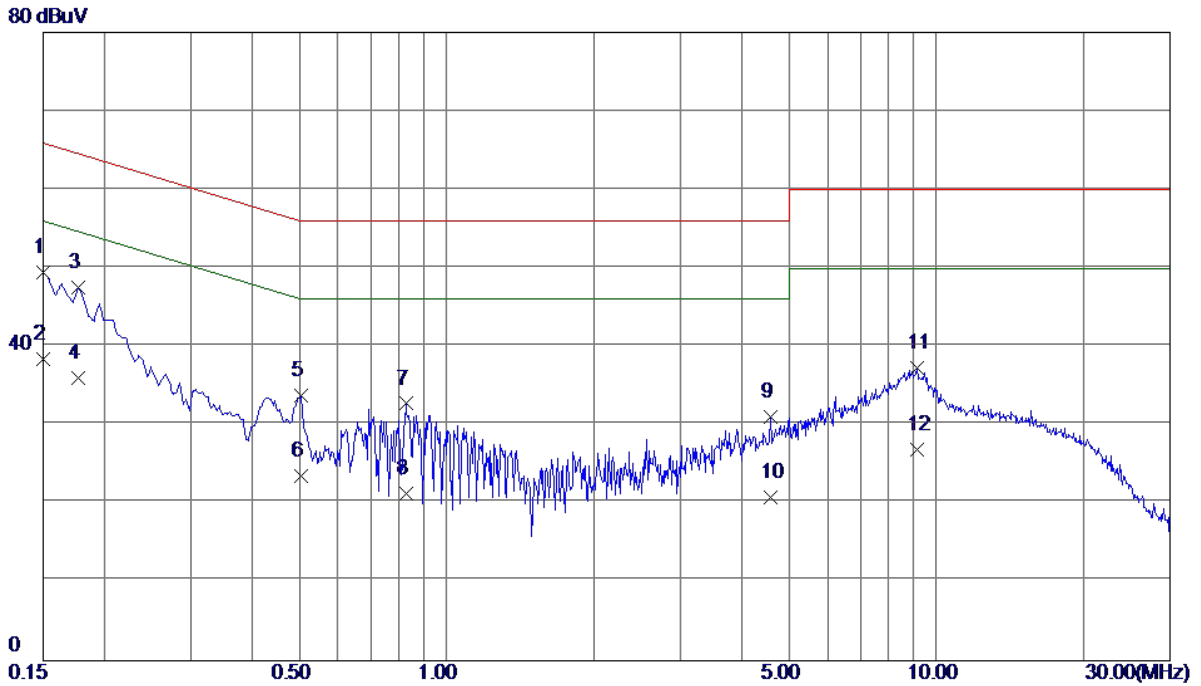


4.1.6 TEST RESULTS

Remark

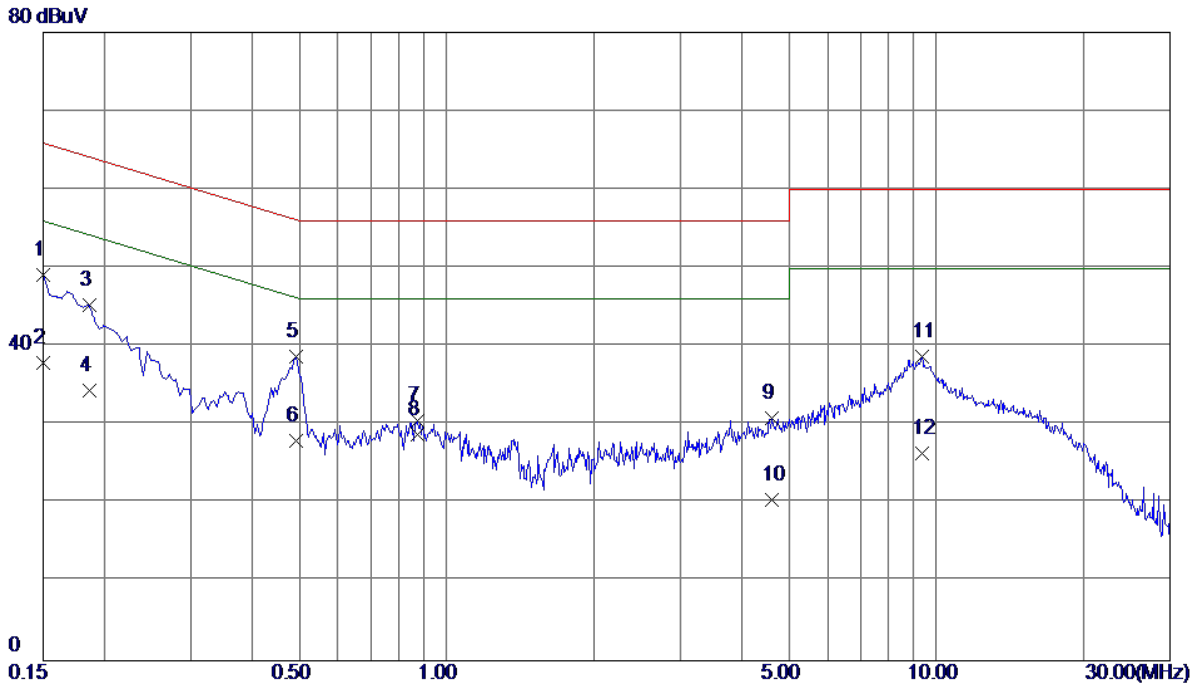
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =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	E6G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



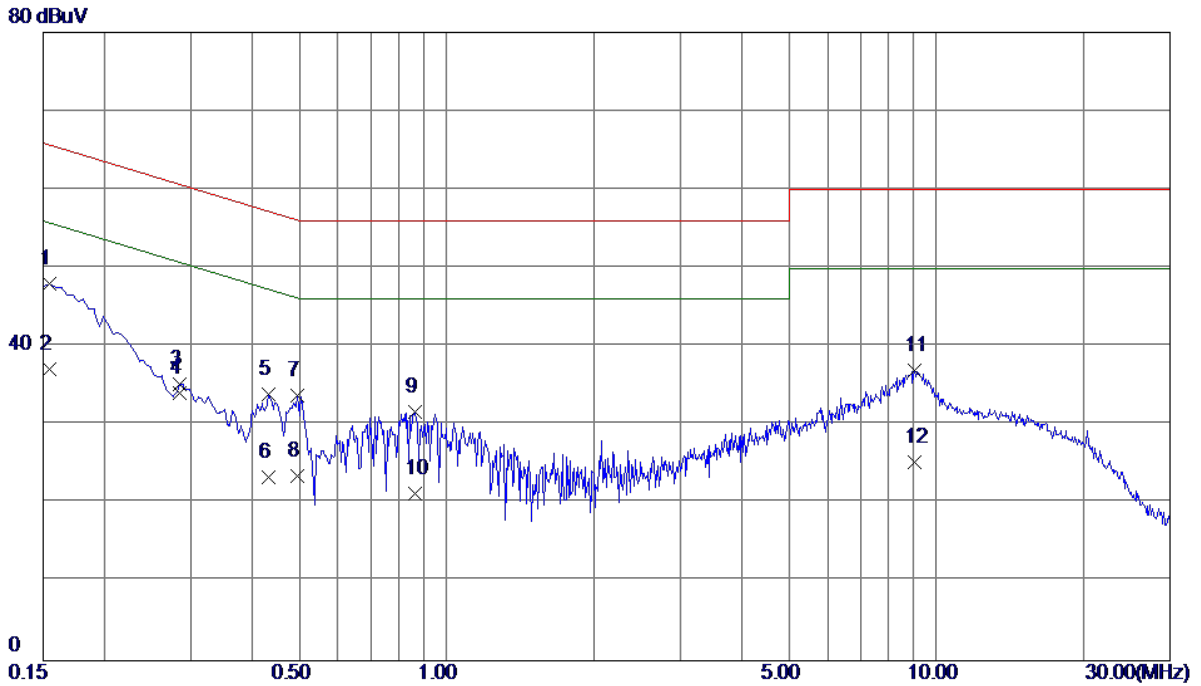
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1 *	0.1500	39.71	9.75	49.46	66.00	-16.54	QP
2	0.1500	28.60	9.75	38.35	56.00	-17.65	AVG
3	0.1770	37.71	9.74	47.45	64.63	-17.18	QP
4	0.1770	26.30	9.74	36.04	54.63	-18.59	AVG
5	0.5055	24.04	9.76	33.80	56.00	-22.20	QP
6	0.5055	13.70	9.76	23.46	46.00	-22.54	AVG
7	0.8250	22.95	9.77	32.72	56.00	-23.28	QP
8	0.8250	11.50	9.77	21.27	46.00	-24.73	AVG
9	4.5960	21.20	9.88	31.08	56.00	-24.92	QP
10	4.5960	10.90	9.88	20.78	46.00	-25.22	AVG
11	9.1545	27.33	10.02	37.35	60.00	-22.65	QP
12	9.1545	16.80	10.02	26.82	50.00	-23.18	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



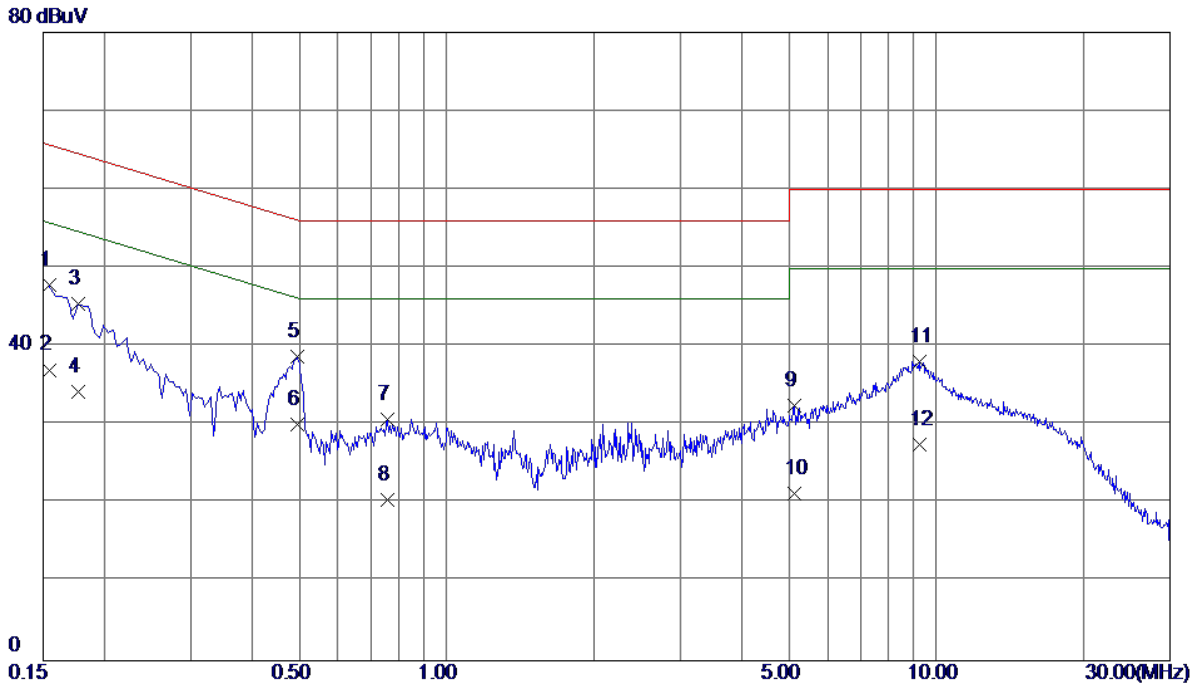
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1 *	0.1500	39.41	9.64	49.05	66.00	-16.95	QP
2	0.1500	28.30	9.64	37.94	56.00	-18.06	AVG
3	0.1860	35.70	9.65	45.35	64.21	-18.86	QP
4	0.1860	24.80	9.65	34.45	54.21	-19.76	AVG
5	0.4920	29.09	9.66	38.75	56.13	-17.38	QP
6	0.4920	18.40	9.66	28.06	46.13	-18.07	AVG
7	0.8745	20.96	9.67	30.63	56.00	-25.37	QP
8	0.8745	19.20	9.67	28.87	46.00	-17.13	AVG
9	4.6095	21.00	9.81	30.81	56.00	-25.19	QP
10	4.6095	10.70	9.81	20.51	46.00	-25.49	AVG
11	9.3300	28.80	9.96	38.76	60.00	-21.24	QP
12	9.3300	16.50	9.96	26.46	50.00	-23.54	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



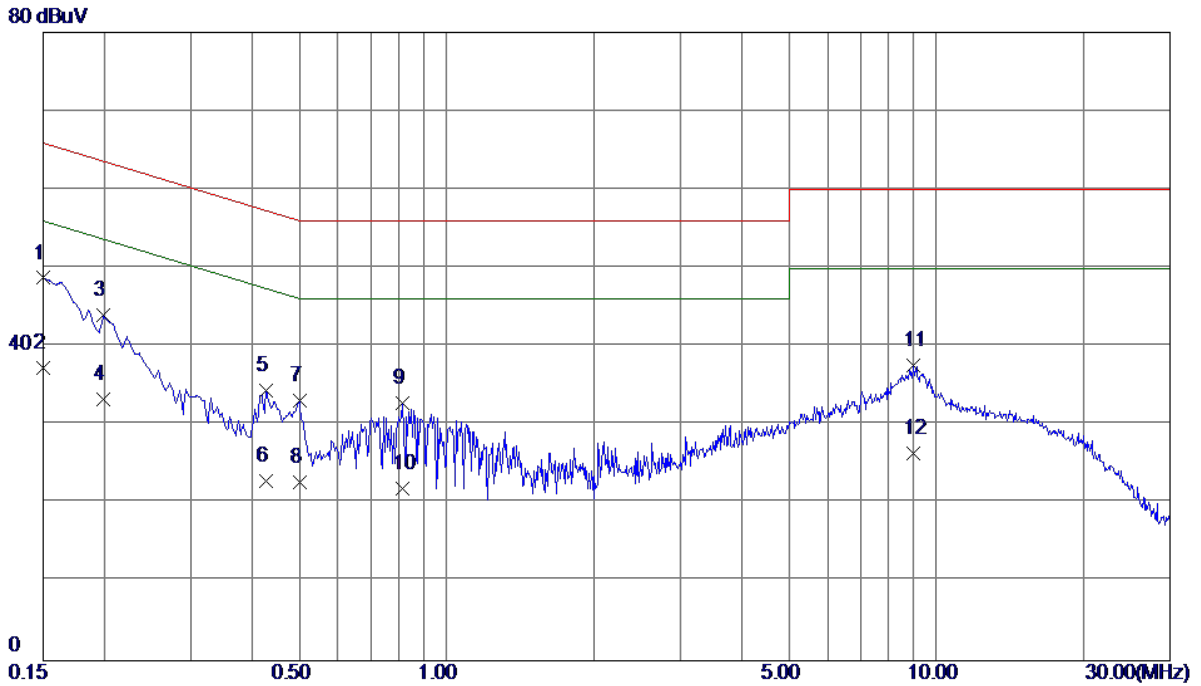
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1	0.1545	38.23	9.75	47.98	65.75	-17.77	QP
2	0.1545	27.40	9.75	37.15	55.75	-18.60	AVG
3	0.2850	25.55	9.72	35.27	60.67	-25.40	QP
4 *	0.2850	24.30	9.72	34.02	50.67	-16.65	AVG
5	0.4335	24.09	9.76	33.85	57.19	-23.34	QP
6	0.4335	13.60	9.76	23.36	47.19	-23.83	AVG
7	0.4965	24.03	9.76	33.79	56.06	-22.27	QP
8	0.4965	13.80	9.76	23.56	46.06	-22.50	AVG
9	0.8610	21.95	9.78	31.73	56.00	-24.27	QP
10	0.8610	11.49	9.78	21.27	46.00	-24.73	AVG
11	9.0239	26.91	10.01	36.92	60.00	-23.08	QP
12	9.0239	15.30	10.01	25.31	50.00	-24.69	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



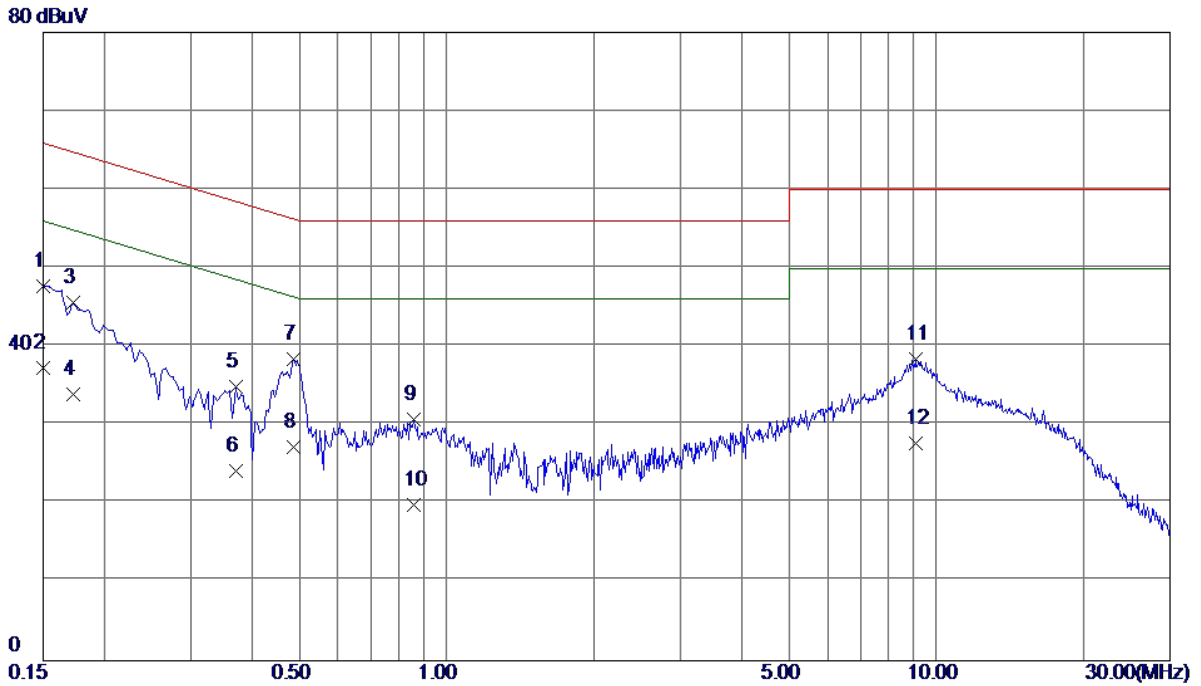
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1	0.1545	38.17	9.64	47.81	65.75	-17.94	QP
2	0.1545	27.40	9.64	37.04	55.75	-18.71	AVG
3	0.1770	35.74	9.64	45.38	64.63	-19.25	QP
4	0.1770	24.60	9.64	34.24	54.63	-20.39	AVG
5	0.4965	29.02	9.66	38.68	56.06	-17.38	QP
6 *	0.4965	20.40	9.66	30.06	46.06	-16.00	AVG
7	0.7575	21.05	9.66	30.71	56.00	-25.29	QP
8	0.7575	10.80	9.66	20.46	46.00	-25.54	AVG
9	5.1180	22.65	9.82	32.47	60.00	-27.53	QP
10	5.1180	11.50	9.82	21.32	50.00	-28.68	AVG
11	9.2265	28.15	9.96	38.11	60.00	-21.89	QP
12	9.2265	17.60	9.96	27.56	50.00	-22.44	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1 *	0.1500	38.97	9.75	48.72	66.00	-17.28	QP
2	0.1500	27.60	9.75	37.35	56.00	-18.65	AVG
3	0.1995	34.21	9.72	43.93	63.63	-19.70	QP
4	0.1995	23.50	9.72	33.22	53.63	-20.41	AVG
5	0.4290	24.70	9.76	34.46	57.27	-22.81	QP
6	0.4290	13.20	9.76	22.96	47.27	-24.31	AVG
7	0.5010	23.36	9.76	33.12	56.00	-22.88	QP
8	0.5010	12.90	9.76	22.66	46.00	-23.34	AVG
9	0.8115	23.06	9.76	32.82	56.00	-23.18	QP
10	0.8115	12.10	9.76	21.86	46.00	-24.14	AVG
11	8.9520	27.63	10.01	37.64	60.00	-22.36	QP
12	8.9520	16.40	10.01	26.41	50.00	-23.59	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.1500	38.03	9.64	47.67	66.00	-18.33	QP
2	0.1500	27.60	9.64	37.24	56.00	-18.76	AVG
3	0.1725	35.94	9.64	45.58	64.84	-19.26	QP
4	0.1725	24.30	9.64	33.94	54.84	-20.90	AVG
5	0.3704	25.21	9.65	34.86	58.49	-23.63	QP
6	0.3704	14.50	9.65	24.15	48.49	-24.34	AVG
7 *	0.4875	28.79	9.66	38.45	56.21	-17.76	QP
8	0.4875	17.60	9.66	27.26	46.21	-18.95	AVG
9	0.8565	21.09	9.67	30.76	56.00	-25.24	QP
10	0.8565	10.10	9.67	19.77	46.00	-26.23	AVG
11	9.0555	28.49	9.95	38.44	60.00	-21.56	QP
12	9.0555	17.80	9.95	27.75	50.00	-22.25	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:
ICES-003 Issue 6: 2016
- (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

Below 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Pre-Amplifier	Mini-Circuits	EMC 9135	980284	Mar. 26, 2018
2	Pre-Amplifier	Mini-Circuits	EMC 9135	980283	Mar. 26, 2018
3	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Mar. 26, 2018
4	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	Mar. 26, 2018
5	Cable	emci	LMR-400(5m+11m+15m)	N/A	Dec. 27, 2017
6	Cable	emci	LMR-400(5m+8m+15m)	N/A	Dec. 27, 2017
7	Measurement Software	Farad	EZ-EMC Ver.BTL-2A NT-1	N/A	N/A
8	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
9	Attenuator	N/A	SA18N-06	6dB	Apr. 14, 2018
10	Attenuator	N/A	SA18N-06	6dB	Apr. 14, 2018
11	Receiver	Keysight	N9038A	MY54450004	Aug. 15, 2018
12	MXE EMI Receiver	Agilent	N9038A	MY53220133	Jun. 20, 2018

Above 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Measurement Software	Farad	EZ-EMC Ver.BTL-2AN T-1	N/A	N/A
2	Cable	emci	SUCOFLEX_15m_5m(0.01GHz—26.5GHz)	N/A	Dec. 27, 2017
3	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
4	Controller	MF	MF-7802	MF780208159	N/A
5	Horn Antenna	EMCO	3115	9605-4803	Mar. 26, 2018
6	Amplifier	Agilent	8449B	3008A02584	Aug. 20, 2018
7	MXE EMI Receiver	Agilent	N9038A	MY53220133	Jun. 20, 2018

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

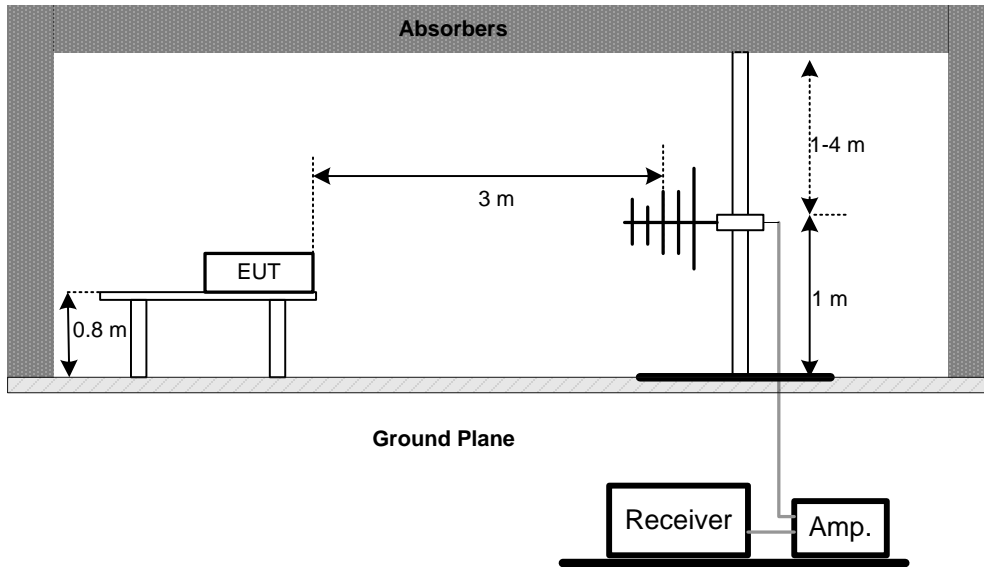
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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

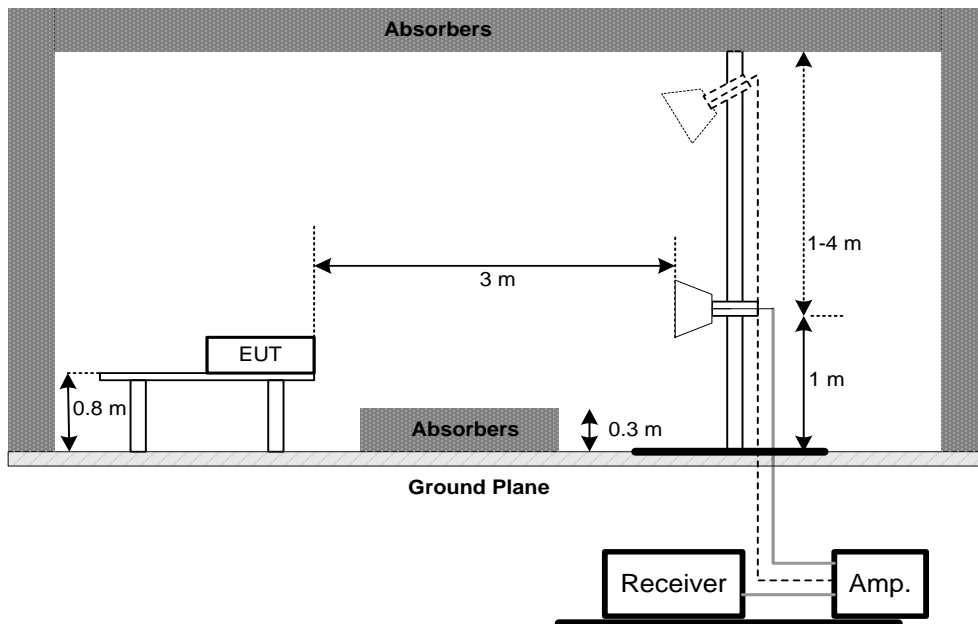
No deviation

4.2.5 TEST SETUP

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



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



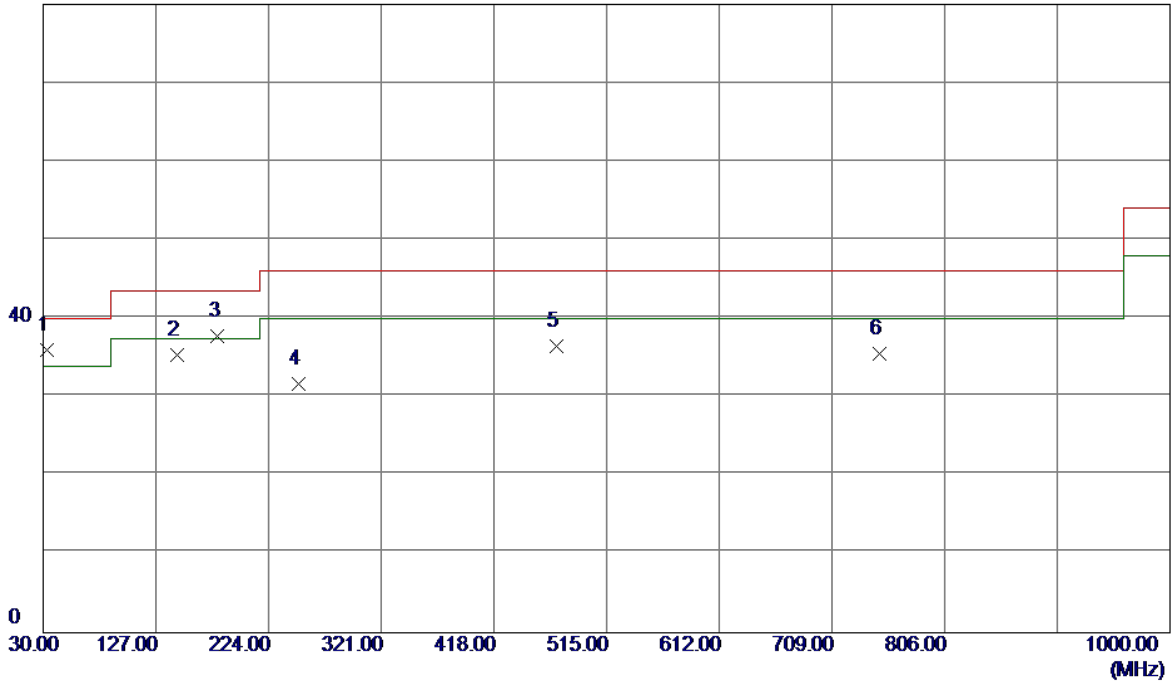
4.2.6 TEST RESULTS-BELOW 1GHZ

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	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		

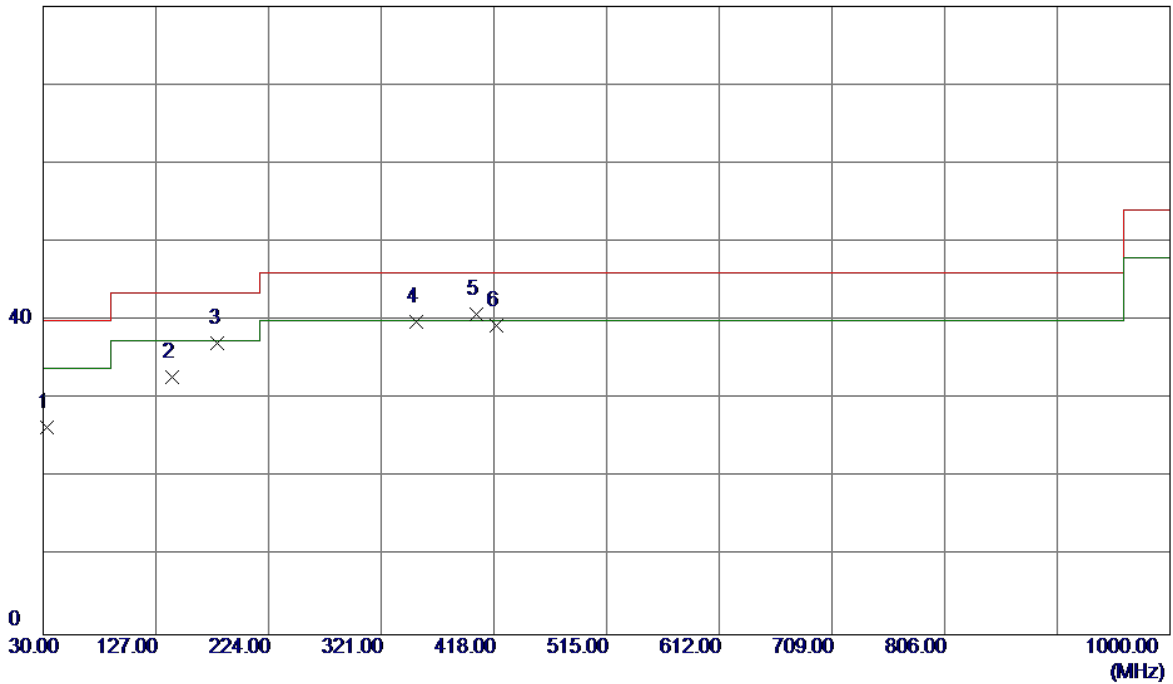
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	32.9100	49.60	-13.57	36.03	40.00	-3.97	QP
2	145.4299	47.61	-12.22	35.39	43.50	-8.11	QP
3	180.3500	49.16	-11.44	37.72	43.50	-5.78	QP
4	250.1900	44.88	-13.22	31.66	46.00	-14.34	QP
5	471.3500	42.83	-6.39	36.44	46.00	-9.56	QP
6	749.7400	35.61	-0.07	35.54	46.00	-10.46	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		

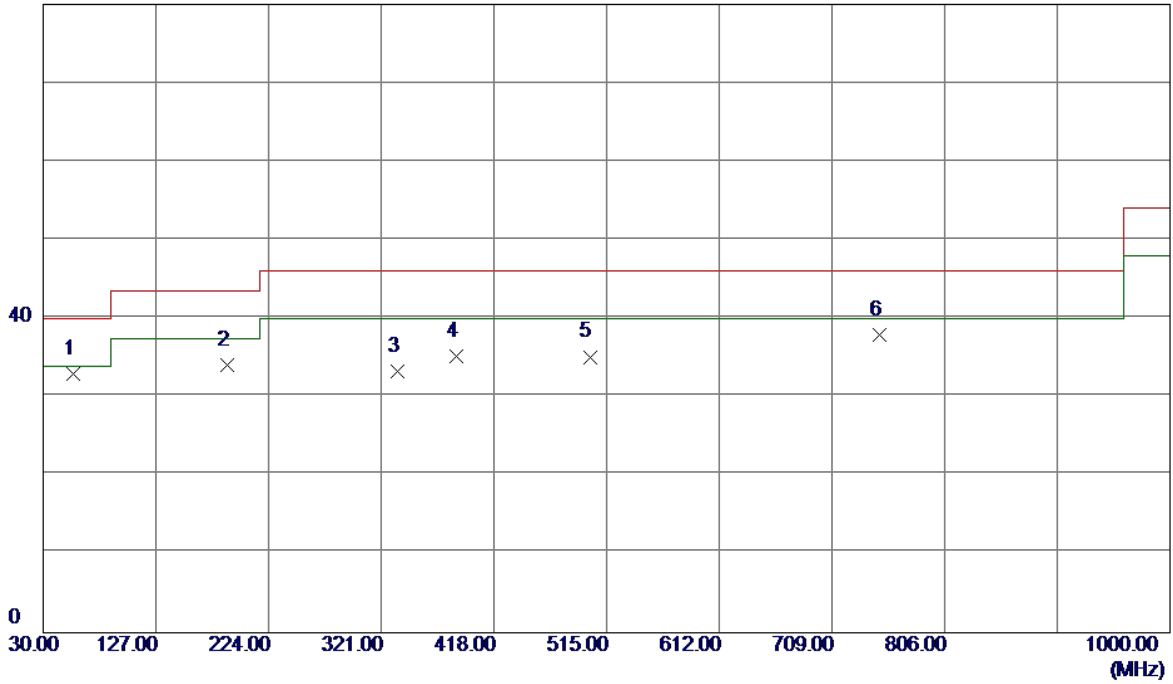
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	32.9100	39.91	-13.57	26.34	40.00	-13.66	QP
2	140.5800	45.30	-12.44	32.86	43.50	-10.64	QP
3	180.3500	48.52	-11.44	37.08	43.50	-6.42	QP
4	351.0700	49.29	-9.40	39.89	46.00	-6.11	QP
5 *	402.4800	48.85	-8.05	40.80	46.00	-5.20	QP
6	419.9400	47.03	-7.62	39.41	46.00	-6.59	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		

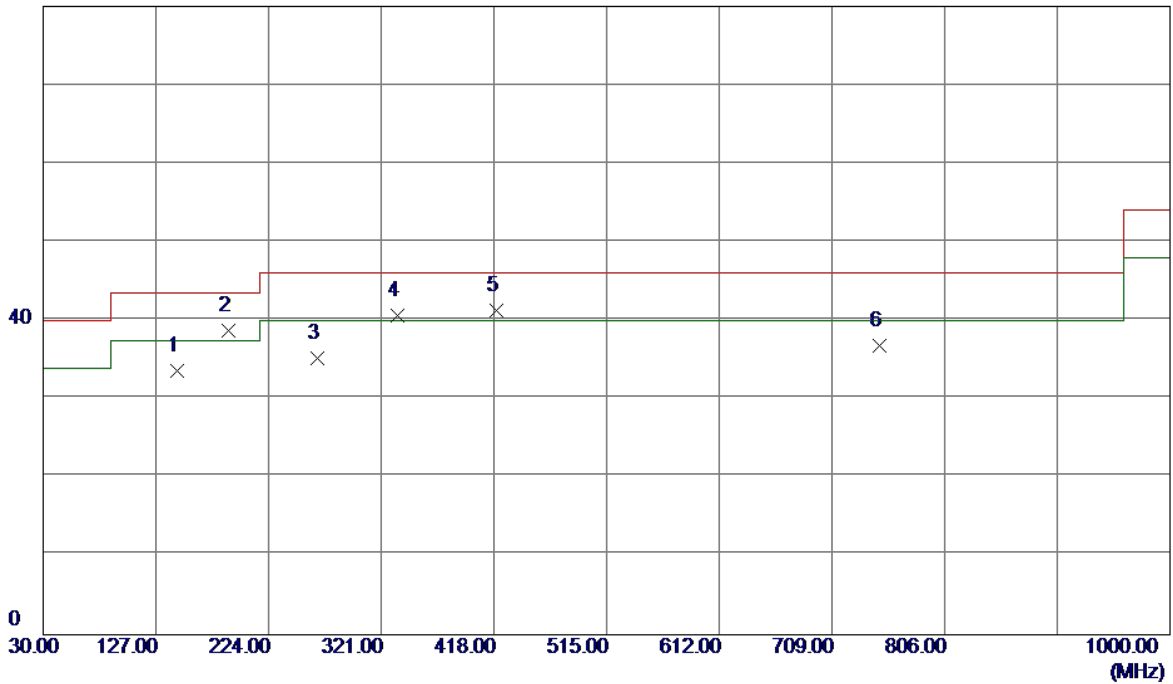
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	56.1900	45.18	-12.26	32.92	40.00	-7.08	QP
2	188.1100	45.58	-11.47	34.11	43.50	-9.39	QP
3	334.5799	43.13	-9.79	33.34	46.00	-12.66	QP
4	385.9900	43.68	-8.48	35.20	46.00	-10.80	QP
5	500.4500	40.85	-5.73	35.12	46.00	-10.88	QP
6	749.7400	38.01	-0.07	37.94	46.00	-8.06	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		

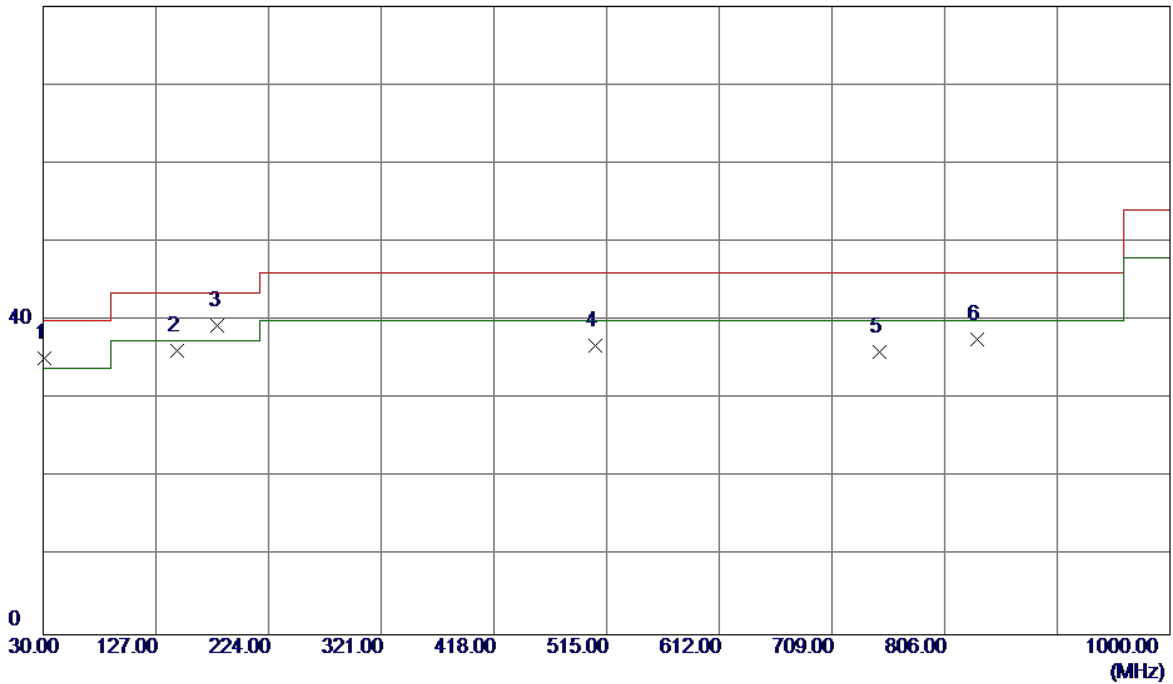
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	145.4299	45.89	-12.22	33.67	43.50	-9.83	QP
2	189.0800	50.20	-11.47	38.73	43.50	-4.77	QP
3	265.7100	48.33	-13.09	35.24	46.00	-10.76	QP
4	334.5799	50.45	-9.79	40.66	46.00	-5.34	QP
5 *	419.9400	48.89	-7.62	41.27	46.00	-4.73	QP
6	749.7400	36.93	-0.07	36.86	46.00	-9.14	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		

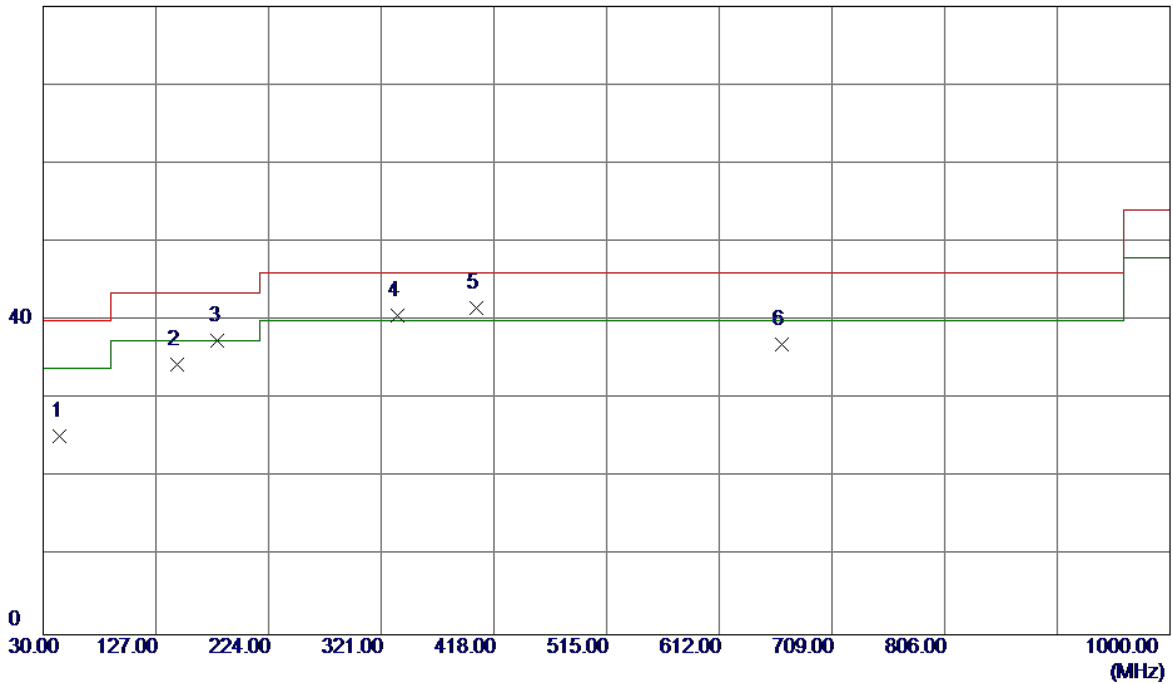
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	30.9700	49.11	-13.88	35.23	40.00	-4.77	QP
2	145.4299	48.32	-12.22	36.10	43.50	-7.40	QP
3 *	180.3500	50.79	-11.44	39.35	43.50	-4.15	QP
4	505.3000	42.43	-5.60	36.83	46.00	-9.17	QP
5	749.7400	36.04	-0.07	35.97	46.00	-10.03	QP
6	834.1300	35.97	1.61	37.58	46.00	-8.42	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		

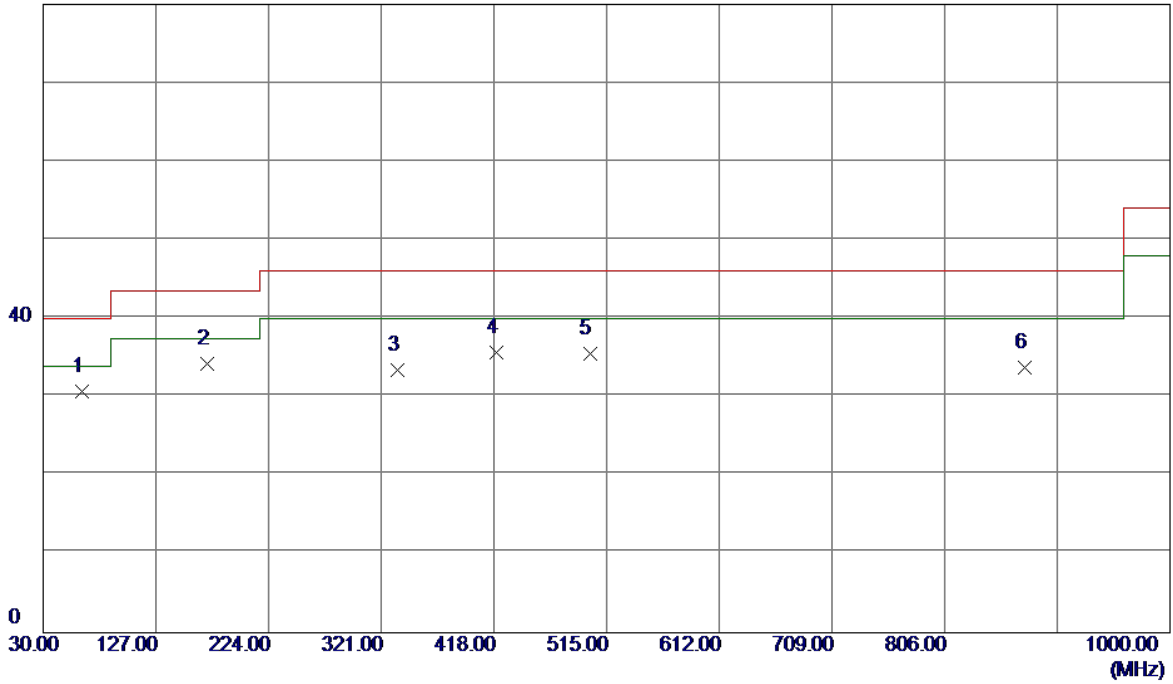
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	44.5500	37.28	-11.95	25.33	40.00	-14.67	QP
2	145.4299	46.57	-12.22	34.35	43.50	-9.15	QP
3	180.3500	48.86	-11.44	37.42	43.50	-6.08	QP
4	334.5799	50.48	-9.79	40.69	46.00	-5.31	QP
5 *	402.4800	49.69	-8.05	41.64	46.00	-4.36	QP
6	666.3200	38.80	-1.78	37.02	46.00	-8.98	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		

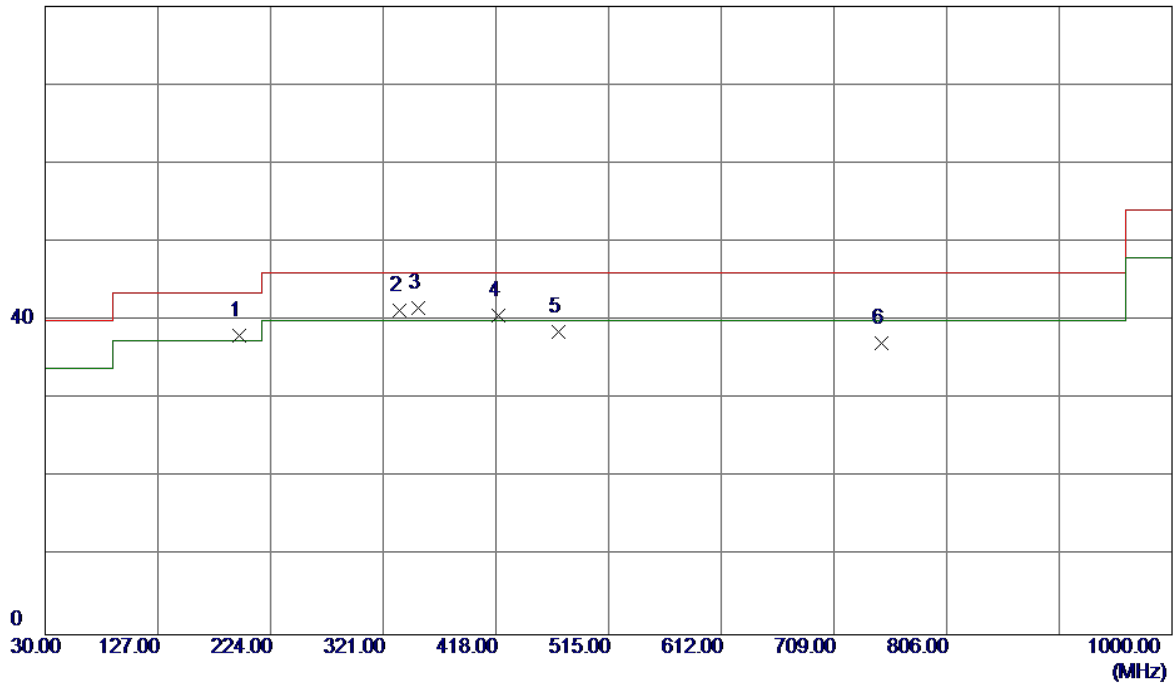
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	62.9800	44.27	-13.56	30.71	40.00	-9.29	QP
2 *	171.6200	45.37	-11.15	34.22	43.50	-9.28	QP
3	334.5799	43.23	-9.79	33.44	46.00	-12.56	QP
4	419.9400	43.23	-7.62	35.61	46.00	-10.39	QP
5	500.4500	41.19	-5.73	35.46	46.00	-10.54	QP
6	874.8700	31.28	2.42	33.70	46.00	-12.30	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		

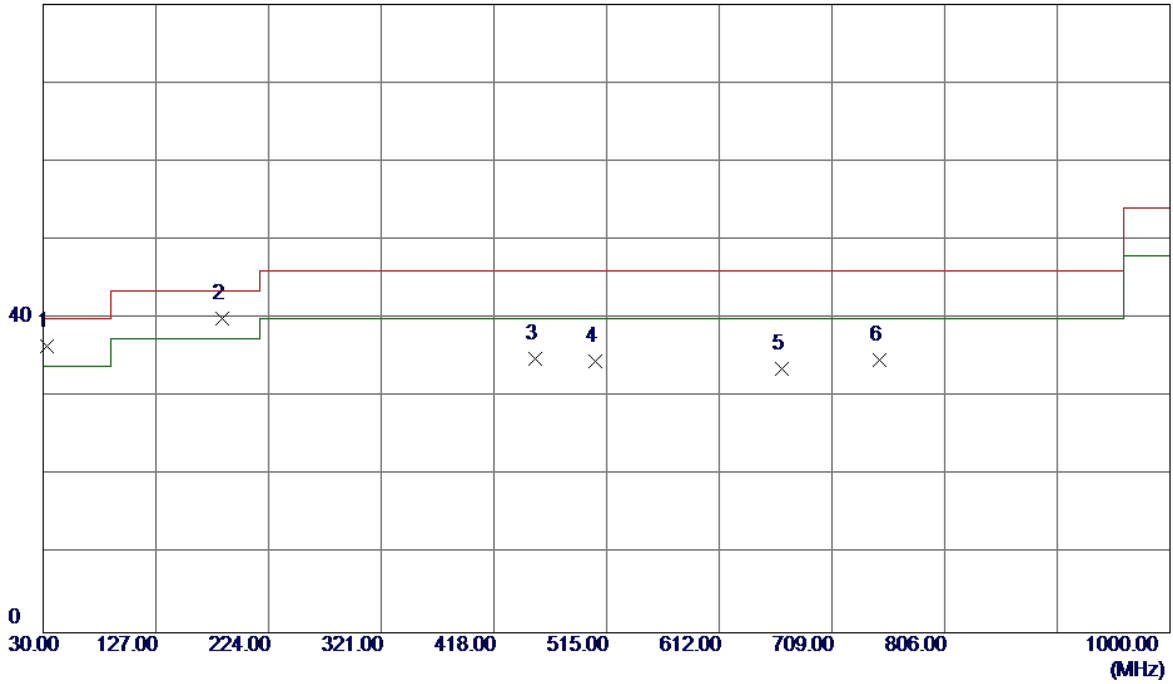
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	196.8400	50.02	-11.92	38.10	43.50	-5.40	QP
2	334.5799	51.07	-9.79	41.28	46.00	-4.72	QP
3 *	351.0700	51.02	-9.40	41.62	46.00	-4.38	QP
4	419.9400	48.28	-7.62	40.66	46.00	-5.34	QP
5	471.3500	45.02	-6.39	38.63	46.00	-7.37	QP
6	749.7400	37.13	-0.07	37.06	46.00	-8.94	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		

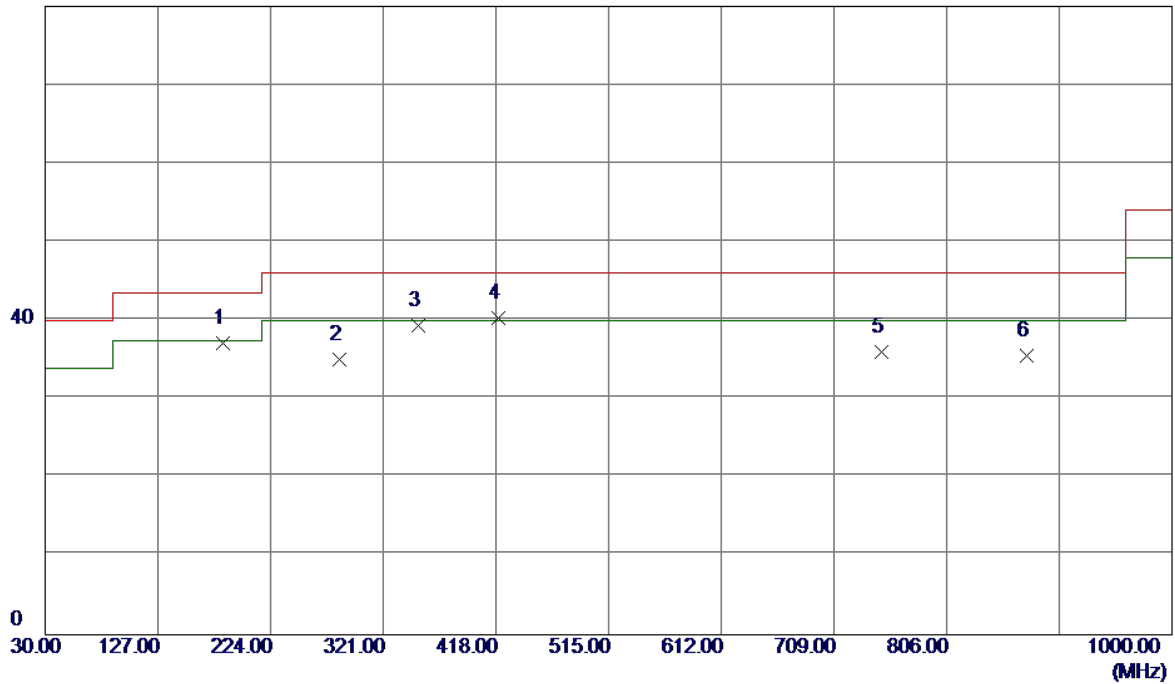
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	32.9100	50.10	-13.57	36.53	40.00	-3.47	QP
2	184.2300	51.42	-11.45	39.97	43.50	-3.53	QP
3	453.8900	41.70	-6.79	34.91	46.00	-11.09	QP
4	505.3000	40.19	-5.60	34.59	46.00	-11.41	QP
5	666.3200	35.34	-1.78	33.56	46.00	-12.44	QP
6	749.7400	34.75	-0.07	34.68	46.00	-11.32	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		

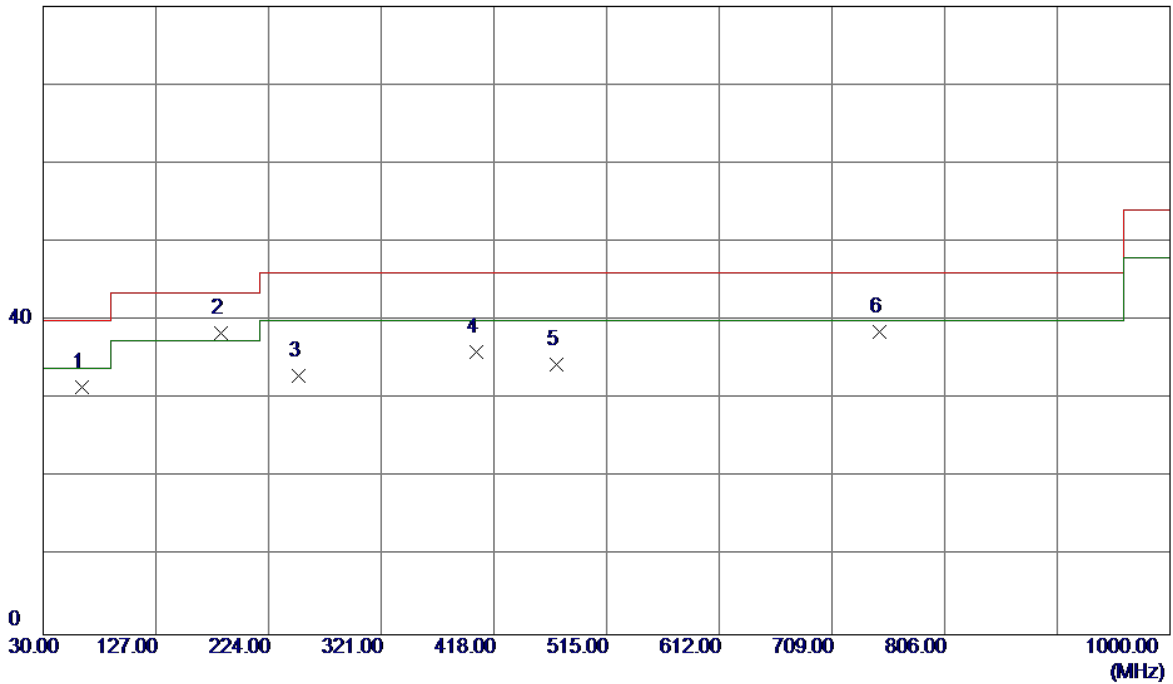
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	183.2600	48.60	-11.45	37.15	43.50	-6.35	QP
2	283.1700	47.00	-12.02	34.98	46.00	-11.02	QP
3	351.0700	48.76	-9.40	39.36	46.00	-6.64	QP
4 *	419.9400	47.89	-7.62	40.27	46.00	-5.73	QP
5	749.7400	36.08	-0.07	36.01	46.00	-9.99	QP
6	874.8700	33.10	2.42	35.52	46.00	-10.48	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		

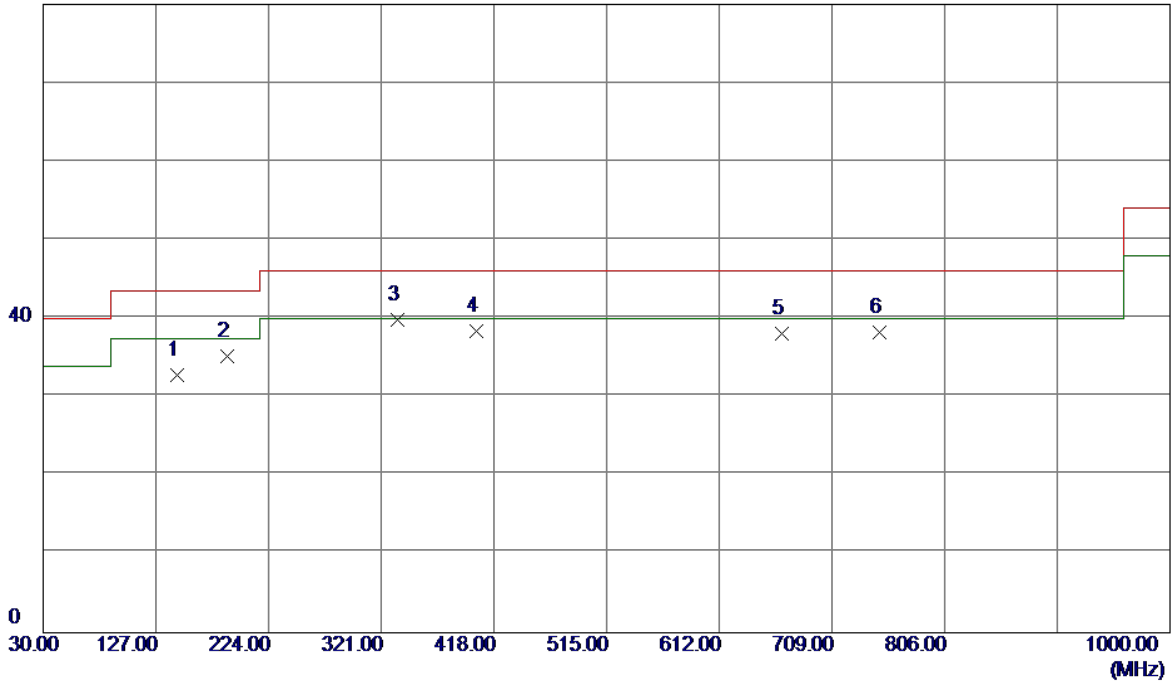
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	62.9800	45.05	-13.56	31.49	40.00	-8.51	QP
2 *	183.2600	49.89	-11.45	38.44	43.50	-5.06	QP
3	250.1900	46.12	-13.22	32.90	46.00	-13.10	QP
4	402.4800	44.02	-8.05	35.97	46.00	-10.03	QP
5	471.3500	40.72	-6.39	34.33	46.00	-11.67	QP
6	749.7400	38.61	-0.07	38.54	46.00	-7.46	QP

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	145.4299	45.09	-12.22	32.87	43.50	-10.63	QP
2	188.1100	46.67	-11.47	35.20	43.50	-8.30	QP
3 *	334.5799	49.62	-9.79	39.83	46.00	-6.17	QP
4	402.4800	46.52	-8.05	38.47	46.00	-7.53	QP
5	666.3200	39.81	-1.78	38.03	46.00	-7.97	QP
6	749.7400	38.27	-0.07	38.20	46.00	-7.80	QP

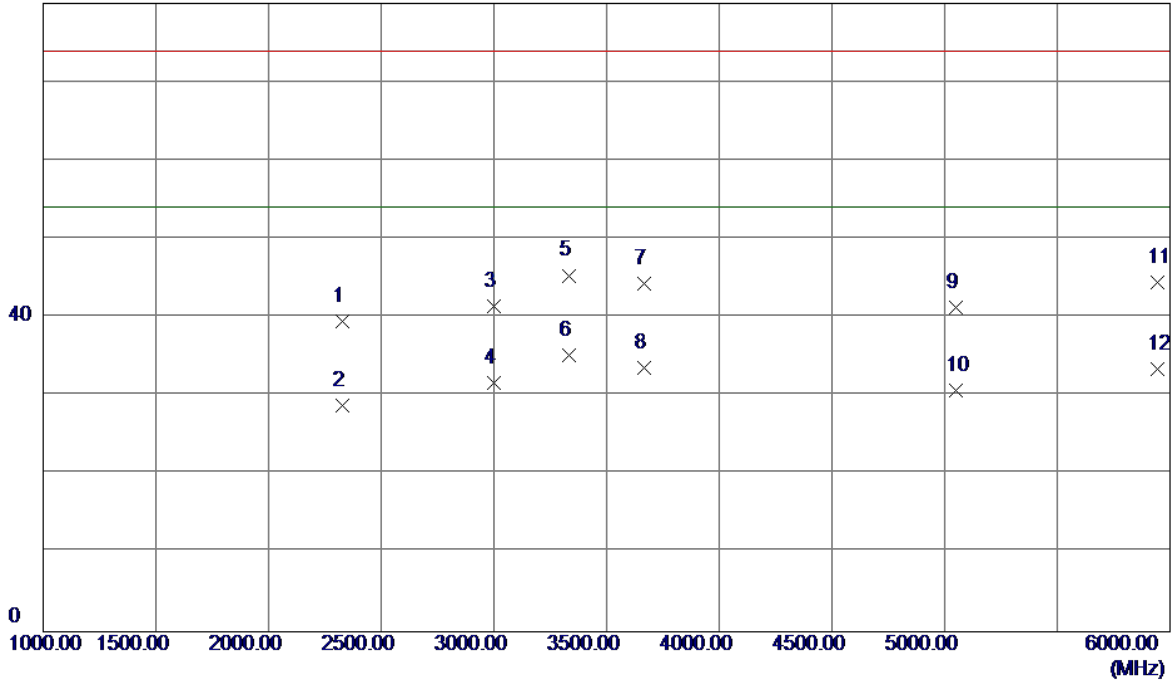
4.2.7 TEST RESULTS-ABOVE 1GHZ

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	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		

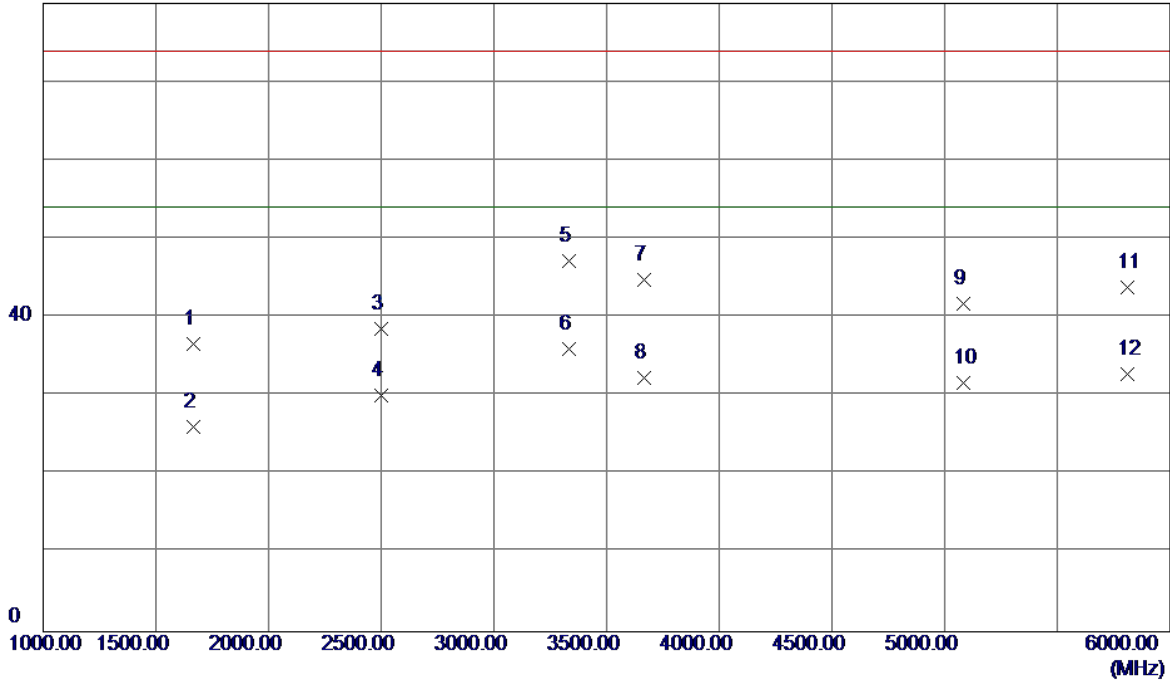
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2330.0000	40.76	-1.31	39.45	74.00	-34.55	Peak
2	2330.0000	30.10	-1.31	28.79	54.00	-25.21	AVG
3	3000.0000	39.08	2.42	41.50	74.00	-32.50	Peak
4	3000.0000	29.30	2.42	31.72	54.00	-22.28	AVG
5	3335.0000	42.50	2.86	45.36	74.00	-28.64	Peak
6 *	3335.0000	32.30	2.86	35.16	54.00	-18.84	AVG
7	3665.0000	41.31	3.05	44.36	74.00	-29.64	Peak
8	3665.0000	30.51	3.05	33.56	54.00	-20.44	AVG
9	5050.0000	34.82	6.41	41.23	74.00	-32.77	Peak
10	5050.0000	24.30	6.41	30.71	54.00	-23.29	AVG
11	5945.0000	34.49	9.97	44.46	74.00	-29.54	Peak
12	5945.0000	23.49	9.97	33.46	54.00	-20.54	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		

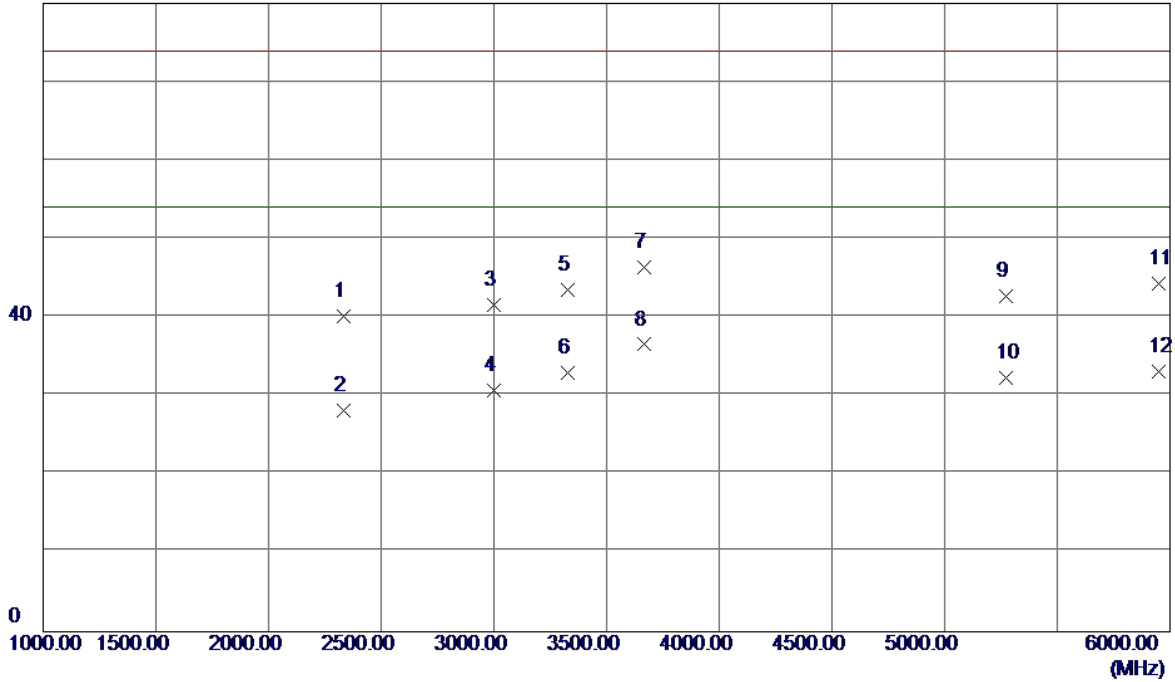
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1665.0000	40.90	-4.25	36.65	74.00	-37.35	Peak
2	1665.0000	30.29	-4.25	26.04	54.00	-27.96	AVG
3	2500.0000	39.08	-0.46	38.62	74.00	-35.38	Peak
4	2500.0000	30.50	-0.46	30.04	54.00	-23.96	AVG
5	3335.0000	44.27	2.86	47.13	74.00	-26.87	Peak
6 *	3335.0000	33.10	2.86	35.96	54.00	-18.04	AVG
7	3665.0000	41.76	3.05	44.81	74.00	-29.19	Peak
8	3665.0000	29.31	3.05	32.36	54.00	-21.64	AVG
9	5085.0000	35.30	6.53	41.83	74.00	-32.17	Peak
10	5085.0000	25.10	6.53	31.63	54.00	-22.37	AVG
11	5810.0000	34.42	9.37	43.79	74.00	-30.21	Peak
12	5810.0000	23.50	9.37	32.87	54.00	-21.13	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		

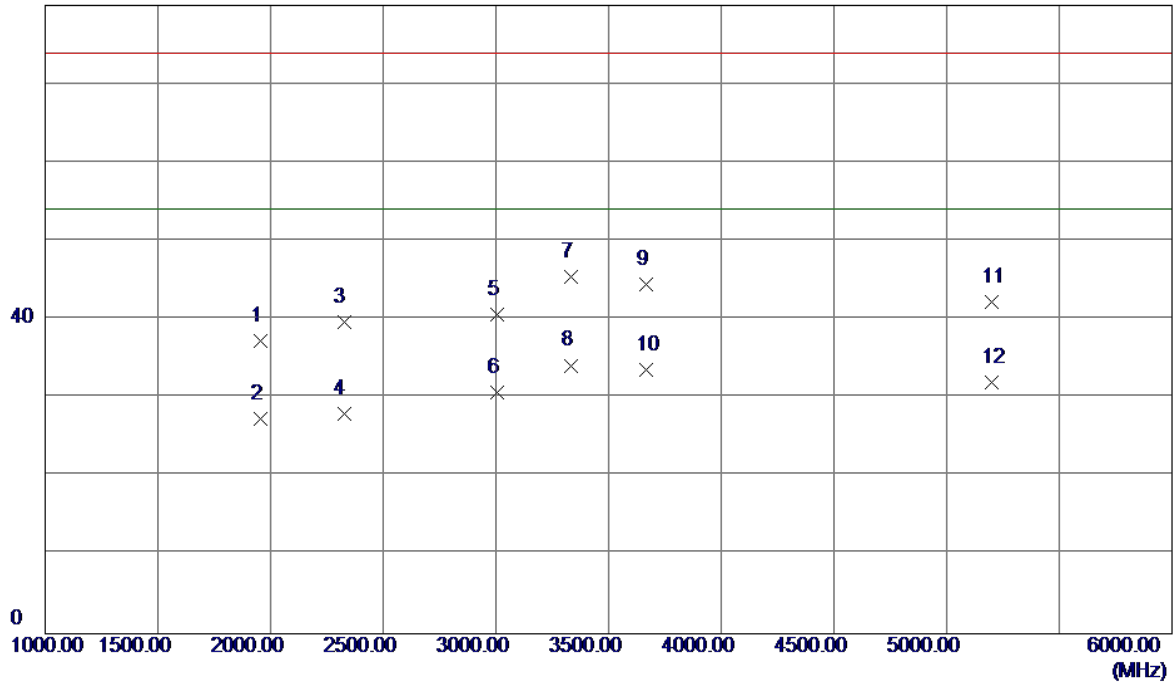
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2335.0000	41.41	-1.29	40.12	74.00	-33.88	Peak
2	2335.0000	29.50	-1.29	28.21	54.00	-25.79	AVG
3	3000.0000	39.20	2.42	41.62	74.00	-32.38	Peak
4	3000.0000	28.30	2.42	30.72	54.00	-23.28	AVG
5	3330.0000	40.61	2.85	43.46	74.00	-30.54	Peak
6	3330.0000	30.10	2.85	32.95	54.00	-21.05	AVG
7	3665.0000	43.38	3.05	46.43	74.00	-27.57	Peak
8 *	3665.0000	33.51	3.05	36.56	54.00	-17.44	AVG
9	5270.0000	35.51	7.18	42.69	74.00	-31.31	Peak
10	5270.0000	25.10	7.18	32.28	54.00	-21.72	AVG
11	5950.0000	34.39	9.99	44.38	74.00	-29.62	Peak
12	5950.0000	23.10	9.99	33.09	54.00	-20.91	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		

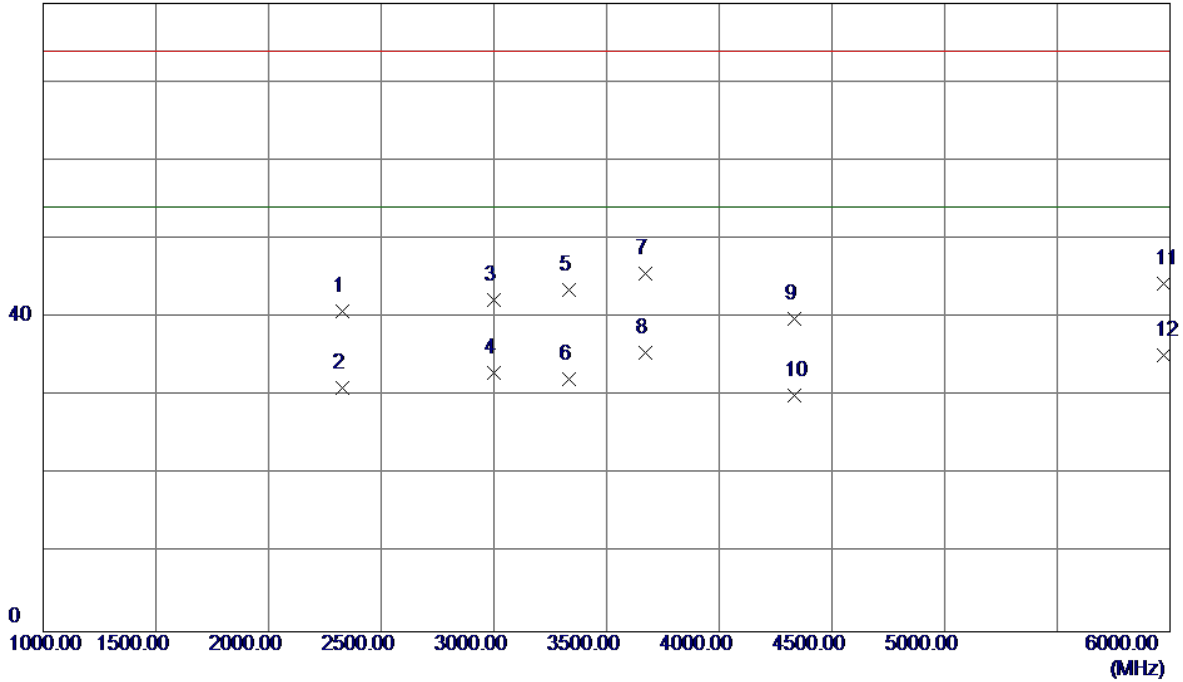
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1955.0000	40.49	-3.14	37.35	74.00	-36.65	Peak
2	1955.0000	30.50	-3.14	27.36	54.00	-26.64	AVG
3	2325.0000	41.05	-1.34	39.71	74.00	-34.29	Peak
4	2325.0000	29.30	-1.34	27.96	54.00	-26.04	AVG
5	3005.0000	38.28	2.43	40.71	74.00	-33.29	Peak
6	3005.0000	28.30	2.43	30.73	54.00	-23.27	AVG
7	3335.0000	42.62	2.86	45.48	74.00	-28.52	Peak
8 *	3335.0000	31.30	2.86	34.16	54.00	-19.84	AVG
9	3665.0000	41.38	3.05	44.43	74.00	-29.57	Peak
10	3665.0000	30.51	3.05	33.56	54.00	-20.44	AVG
11	5200.0000	35.36	6.94	42.30	74.00	-31.70	Peak
12	5200.0000	25.10	6.94	32.04	54.00	-21.96	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		

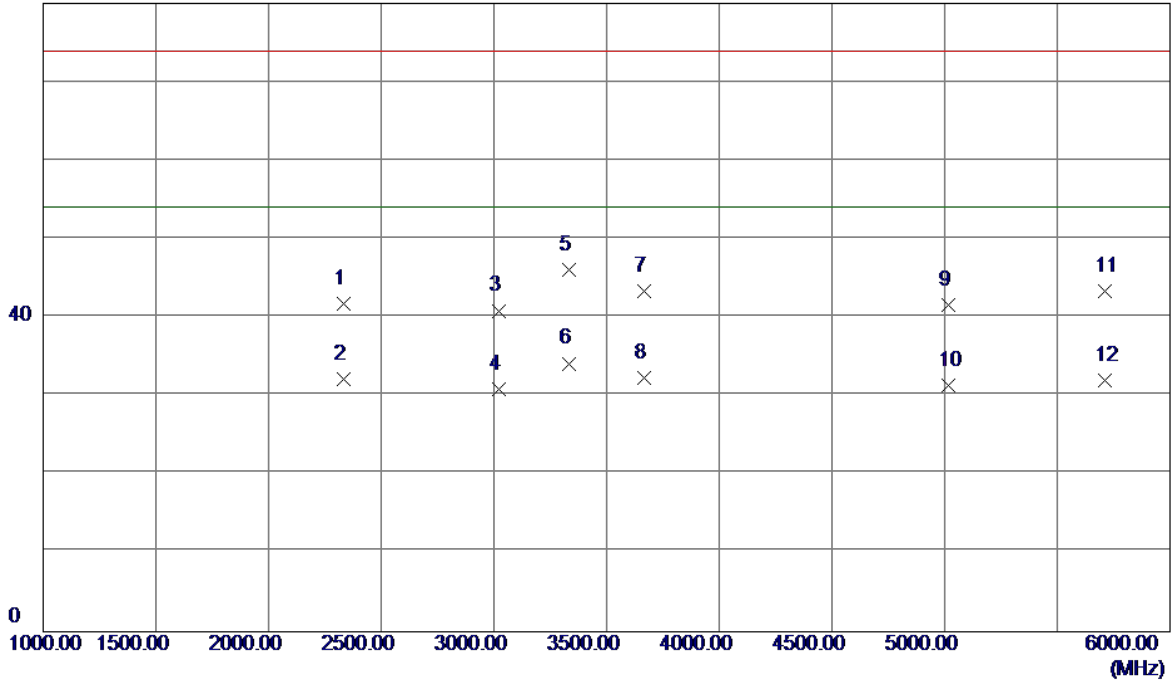
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2330.0000	42.04	-1.31	40.73	74.00	-33.27	Peak
2	2330.0000	32.30	-1.31	30.99	54.00	-23.01	AVG
3	3000.0000	39.83	2.42	42.25	74.00	-31.75	Peak
4	3000.0000	30.50	2.42	32.92	54.00	-21.08	AVG
5	3335.0000	40.59	2.86	43.45	74.00	-30.55	Peak
6	3335.0000	29.30	2.86	32.16	54.00	-21.84	AVG
7	3670.0000	42.47	3.05	45.52	74.00	-28.48	Peak
8 *	3670.0000	32.50	3.05	35.55	54.00	-18.45	AVG
9	4335.0000	35.75	4.05	39.80	74.00	-34.20	Peak
10	4335.0000	26.09	4.05	30.14	54.00	-23.86	AVG
11	5975.0000	34.28	10.10	44.38	74.00	-29.62	Peak
12	5975.0000	25.09	10.10	35.19	54.00	-18.81	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		

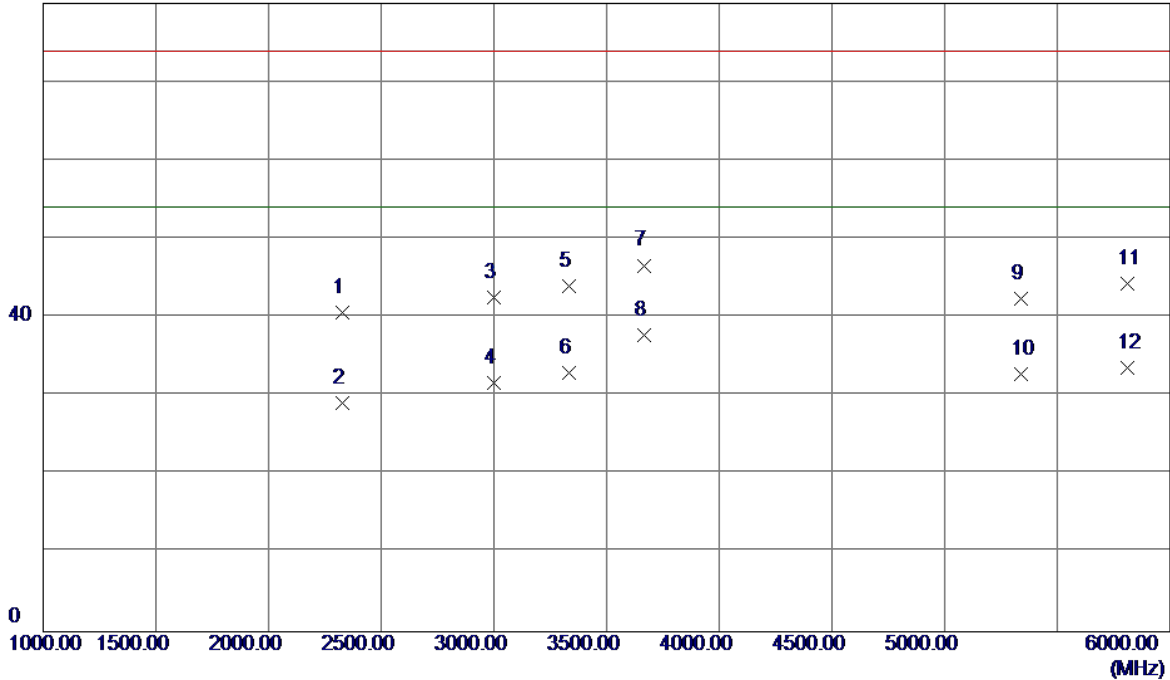
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2335.0000	43.03	-1.29	41.74	74.00	-32.26	Peak
2	2335.0000	33.50	-1.29	32.21	54.00	-21.79	AVG
3	3020.0000	38.43	2.45	40.88	74.00	-33.12	Peak
4	3020.0000	28.49	2.45	30.94	54.00	-23.06	AVG
5	3335.0000	43.28	2.86	46.14	74.00	-27.86	Peak
6 *	3335.0000	31.30	2.86	34.16	54.00	-19.84	AVG
7	3665.0000	40.33	3.05	43.38	74.00	-30.62	Peak
8	3665.0000	29.31	3.05	32.36	54.00	-21.64	AVG
9	5015.0000	35.36	6.28	41.64	74.00	-32.36	Peak
10	5015.0000	25.10	6.28	31.38	54.00	-22.62	AVG
11	5710.0000	34.46	8.93	43.39	74.00	-30.61	Peak
12	5710.0000	23.09	8.93	32.02	54.00	-21.98	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		

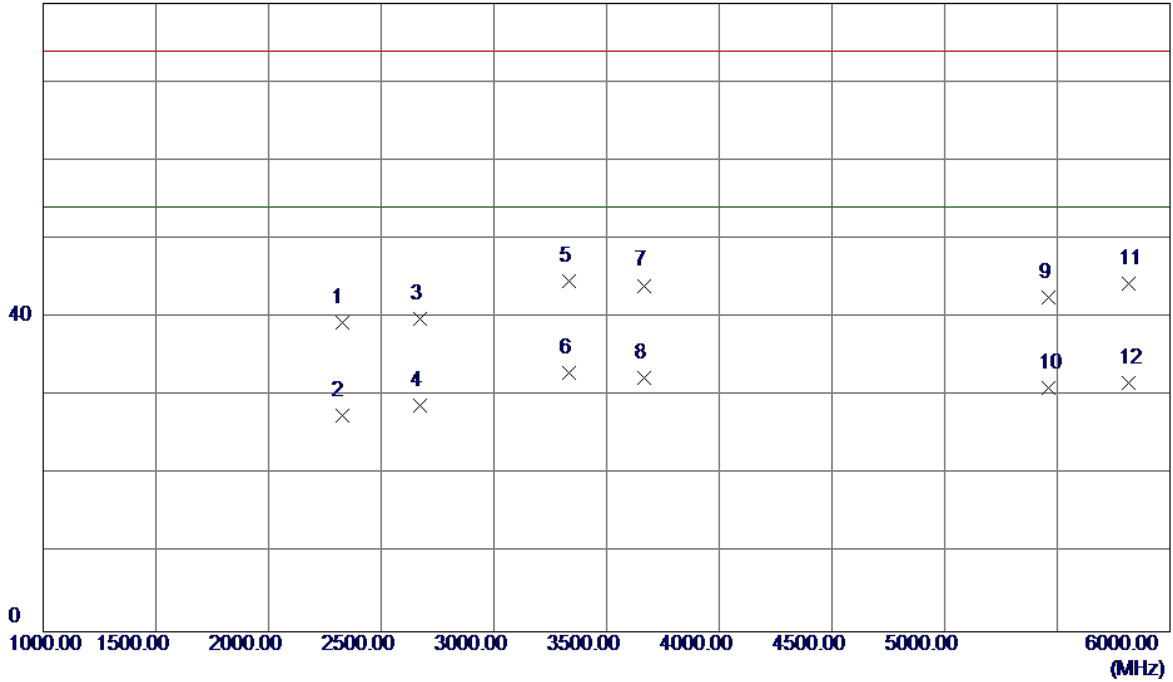
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2330.0000	41.99	-1.31	40.68	74.00	-33.32	Peak
2	2330.0000	30.50	-1.31	29.19	54.00	-24.81	AVG
3	3000.0000	40.09	2.42	42.51	74.00	-31.49	Peak
4	3000.0000	29.30	2.42	31.72	54.00	-22.28	AVG
5	3335.0000	41.19	2.86	44.05	74.00	-29.95	Peak
6	3335.0000	30.10	2.86	32.96	54.00	-21.04	AVG
7	3665.0000	43.59	3.05	46.64	74.00	-27.36	Peak
8 *	3665.0000	34.77	3.05	37.82	54.00	-16.18	AVG
9	5340.0000	34.99	7.43	42.42	74.00	-31.58	Peak
10	5340.0000	25.31	7.43	32.74	54.00	-21.26	AVG
11	5810.0000	34.98	9.37	44.35	74.00	-29.65	Peak
12	5810.0000	24.30	9.37	33.67	54.00	-20.33	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		

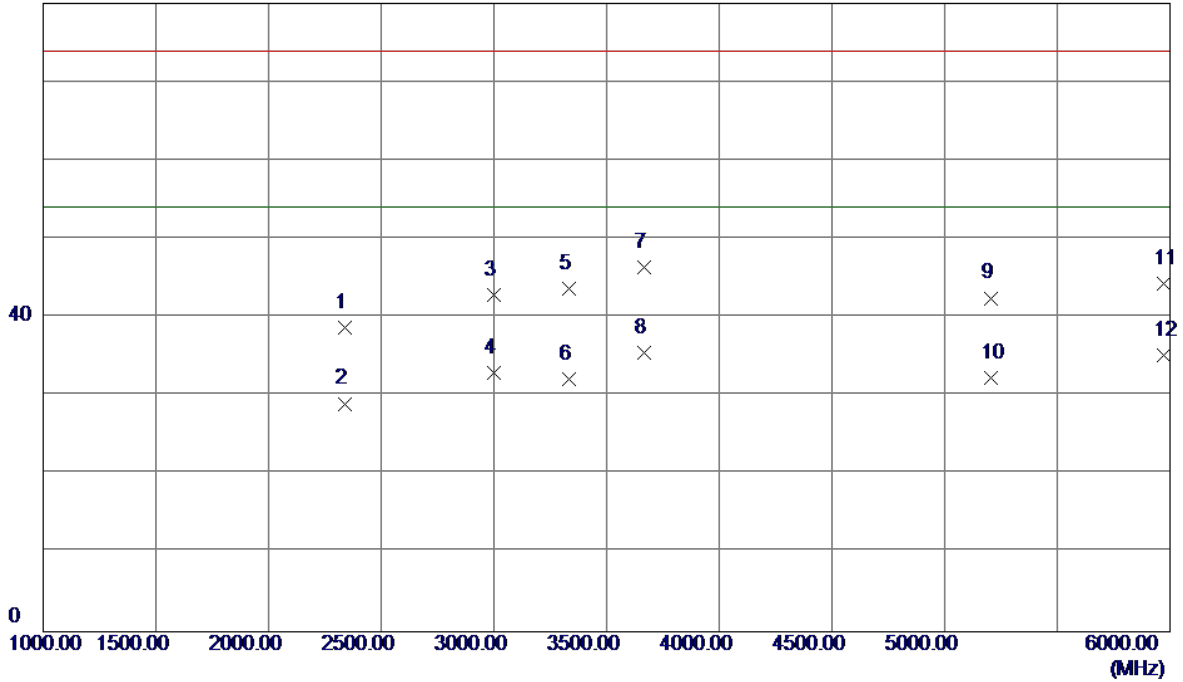
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2325.0000	40.74	-1.34	39.40	74.00	-34.60	Peak
2	2325.0000	28.90	-1.34	27.56	54.00	-26.44	AVG
3	2670.0000	39.26	0.52	39.78	74.00	-34.22	Peak
4	2670.0000	28.30	0.52	28.82	54.00	-25.18	AVG
5	3335.0000	41.77	2.86	44.63	74.00	-29.37	Peak
6 *	3335.0000	30.14	2.86	33.00	54.00	-21.00	AVG
7	3665.0000	41.03	3.05	44.08	74.00	-29.92	Peak
8	3665.0000	29.32	3.05	32.37	54.00	-21.63	AVG
9	5460.0000	34.76	7.85	42.61	74.00	-31.39	Peak
10	5460.0000	23.15	7.85	31.00	54.00	-23.00	AVG
11	5815.0000	34.87	9.39	44.26	74.00	-29.74	Peak
12	5815.0000	22.33	9.39	31.72	54.00	-22.28	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		

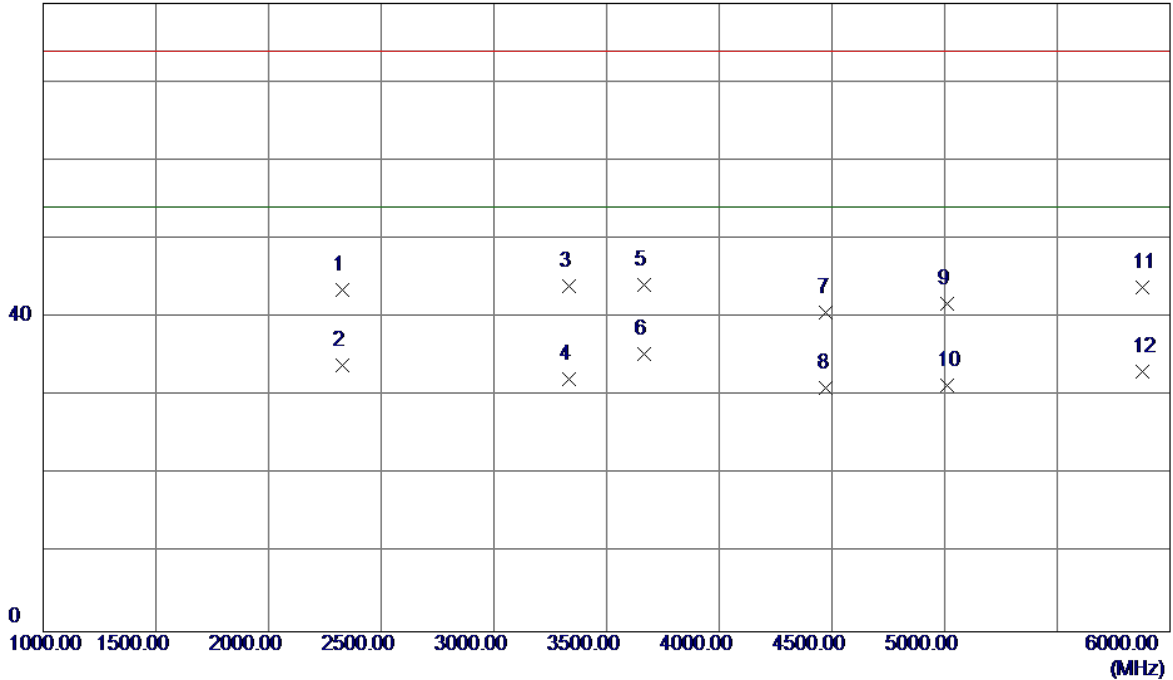
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2340.0000	39.98	-1.26	38.72	74.00	-35.28	Peak
2	2340.0000	30.30	-1.26	29.04	54.00	-24.96	AVG
3	3000.0000	40.47	2.42	42.89	74.00	-31.11	Peak
4	3000.0000	30.50	2.42	32.92	54.00	-21.08	AVG
5	3335.0000	40.86	2.86	43.72	74.00	-30.28	Peak
6	3335.0000	29.30	2.86	32.16	54.00	-21.84	AVG
7	3665.0000	43.34	3.05	46.39	74.00	-27.61	Peak
8 *	3665.0000	32.51	3.05	35.56	54.00	-18.44	AVG
9	5205.0000	35.53	6.95	42.48	74.00	-31.52	Peak
10	5205.0000	25.40	6.95	32.35	54.00	-21.65	AVG
11	5970.0000	34.23	10.08	44.31	74.00	-29.69	Peak
12	5970.0000	25.10	10.08	35.18	54.00	-18.82	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		

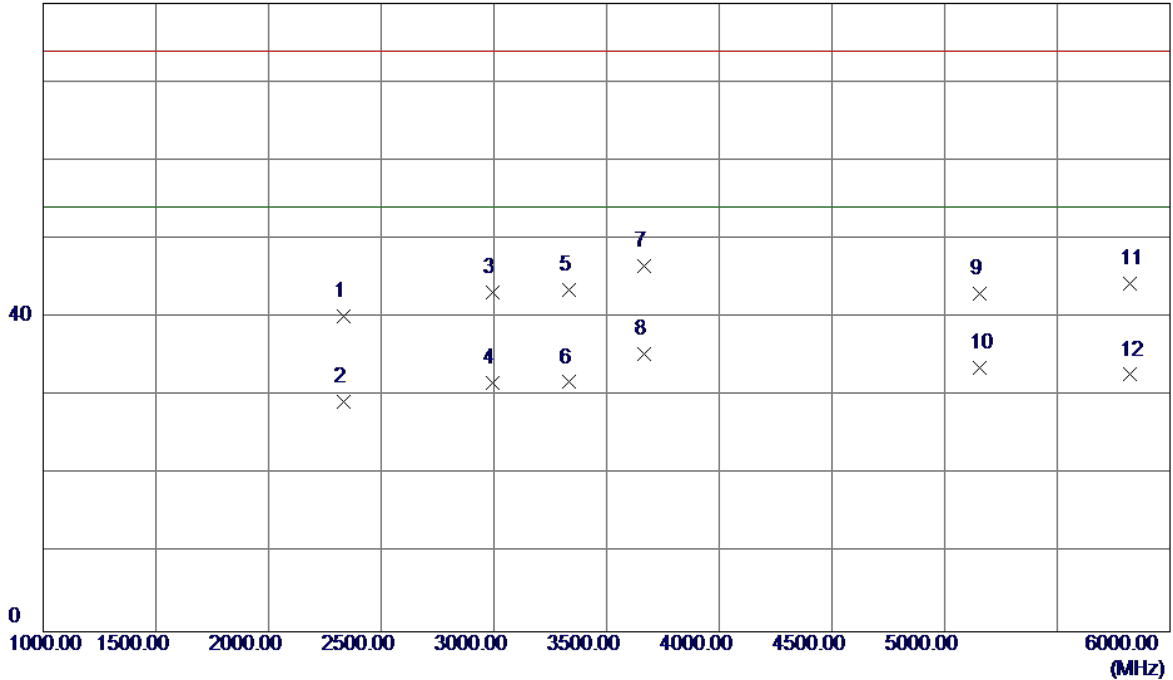
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2330.0000	44.81	-1.31	43.50	74.00	-30.50	Peak
2	2330.0000	35.30	-1.31	33.99	54.00	-20.01	AVG
3	3335.0000	41.11	2.86	43.97	74.00	-30.03	Peak
4	3335.0000	29.30	2.86	32.16	54.00	-21.84	AVG
5	3665.0000	41.04	3.05	44.09	74.00	-29.91	Peak
6 *	3665.0000	32.31	3.05	35.36	54.00	-18.64	AVG
7	4475.0000	36.21	4.48	40.69	74.00	-33.31	Peak
8	4475.0000	26.50	4.48	30.98	54.00	-23.02	AVG
9	5010.0000	35.56	6.27	41.83	74.00	-32.17	Peak
10	5010.0000	25.10	6.27	31.37	54.00	-22.63	AVG
11	5880.0000	34.24	9.68	43.92	74.00	-30.08	Peak
12	5880.0000	23.50	9.68	33.18	54.00	-20.82	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		

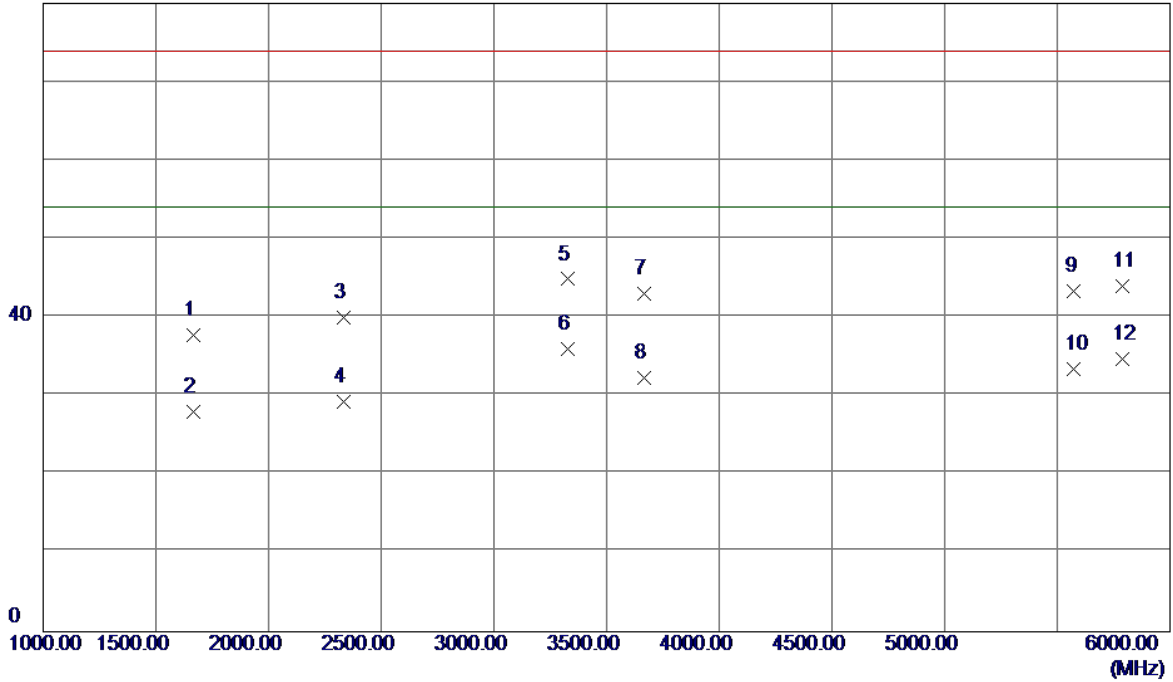
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	2335.0000	41.42	-1.29	40.13	74.00	-33.87	Peak
2	2335.0000	30.50	-1.29	29.21	54.00	-24.79	AVG
3	2995.0000	40.87	2.39	43.26	74.00	-30.74	Peak
4	2995.0000	29.31	2.39	31.70	54.00	-22.30	AVG
5	3335.0000	40.66	2.86	43.52	74.00	-30.48	Peak
6	3335.0000	28.90	2.86	31.76	54.00	-22.24	AVG
7	3665.0000	43.55	3.05	46.60	74.00	-27.40	Peak
8 *	3665.0000	32.31	3.05	35.36	54.00	-18.64	AVG
9	5155.0000	36.27	6.78	43.05	74.00	-30.95	Peak
10	5155.0000	26.80	6.78	33.58	54.00	-20.42	AVG
11	5820.0000	34.98	9.41	44.39	74.00	-29.61	Peak
12	5820.0000	23.31	9.41	32.72	54.00	-21.28	AVG

EUT	IP Phone	Model Name	E6G
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1665.0000	41.98	-4.25	37.73	74.00	-36.27	Peak
2	1665.0000	32.29	-4.25	28.04	54.00	-25.96	AVG
3	2335.0000	41.26	-1.29	39.97	74.00	-34.03	Peak
4	2335.0000	30.50	-1.29	29.21	54.00	-24.79	AVG
5	3330.0000	42.03	2.85	44.88	74.00	-29.12	Peak
6 *	3330.0000	33.10	2.85	35.95	54.00	-18.05	AVG
7	3665.0000	40.04	3.05	43.09	74.00	-30.91	Peak
8	3665.0000	29.31	3.05	32.36	54.00	-21.64	AVG
9	5575.0000	35.08	8.33	43.41	74.00	-30.59	Peak
10	5575.0000	25.10	8.33	33.43	54.00	-20.57	AVG
11	5790.0000	34.77	9.28	44.05	74.00	-29.95	Peak
12	5790.0000	25.50	9.28	34.78	54.00	-19.22	AVG