
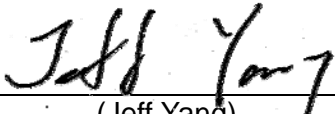
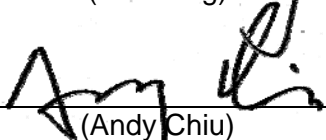


# FCC Test Report

**Project No.** : 1610C139  
**Equipment** : IP Phone  
**Test Model** : H5  
**Series Model** : H3  
**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. 04, 2017  
**Issued Date** : Jan. 06, 2017  
**Tested by** : BTL Inc.

**Testing Engineer** :   
(Pike Lee)  
**Technical Manager** :   
(Jeff Yang)  
**Authorized Signatory** :   
(Andy Chiu)

## **B T L I N C .**

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TEL:+886-2-2657-3299 FAX: +886-2- 2657-3331



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### **Limitation**

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

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### REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCE-1-1610C139	Original Issue.	Jan. 06, 2017

## 1. CERIFICATION

Equipment : IP Phone  
Brand Name : Fanvil  
Test Model : H5  
Series Model : H3  
Applicant : Fanvil Technology Co.Ltd  
Manufacturer : Fanvil Technology Co.Ltd  
Address : 3F, Block A, Gaoxingqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th  
Dist., Bao'An, Shenzhen, 518101, China  
Factory : Fanvil Technology Co.Ltd  
Address : 3F, Block A, Gaoxingqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th  
Dist., Bao'An, Shenzhen, 518101, China  
Date of Test : Oct. 18, 2016 ~ Jan. 04, 2017  
Test Sample : Engineering Sample  
Standard(s) : FCC Part 15, Subpart B Class 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-1-1610C139) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

**NOTE:**

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

### 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 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  $y \pm U$ , 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)
C05	CISPR	150 kHz~30MHz	2.04

#### B. Radiated Measurement :

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

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	H5
Series Model	H3
Model Difference	Only differ in panel
Power Source	1# DC Voltage supplied from AC/DC adapter. Manufacturer: SHENZHEN FRECOM ELECTRONICS CO.,LTD. Model: F05L5-050100SPAU L.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	Handfree
Mode 2	Handset

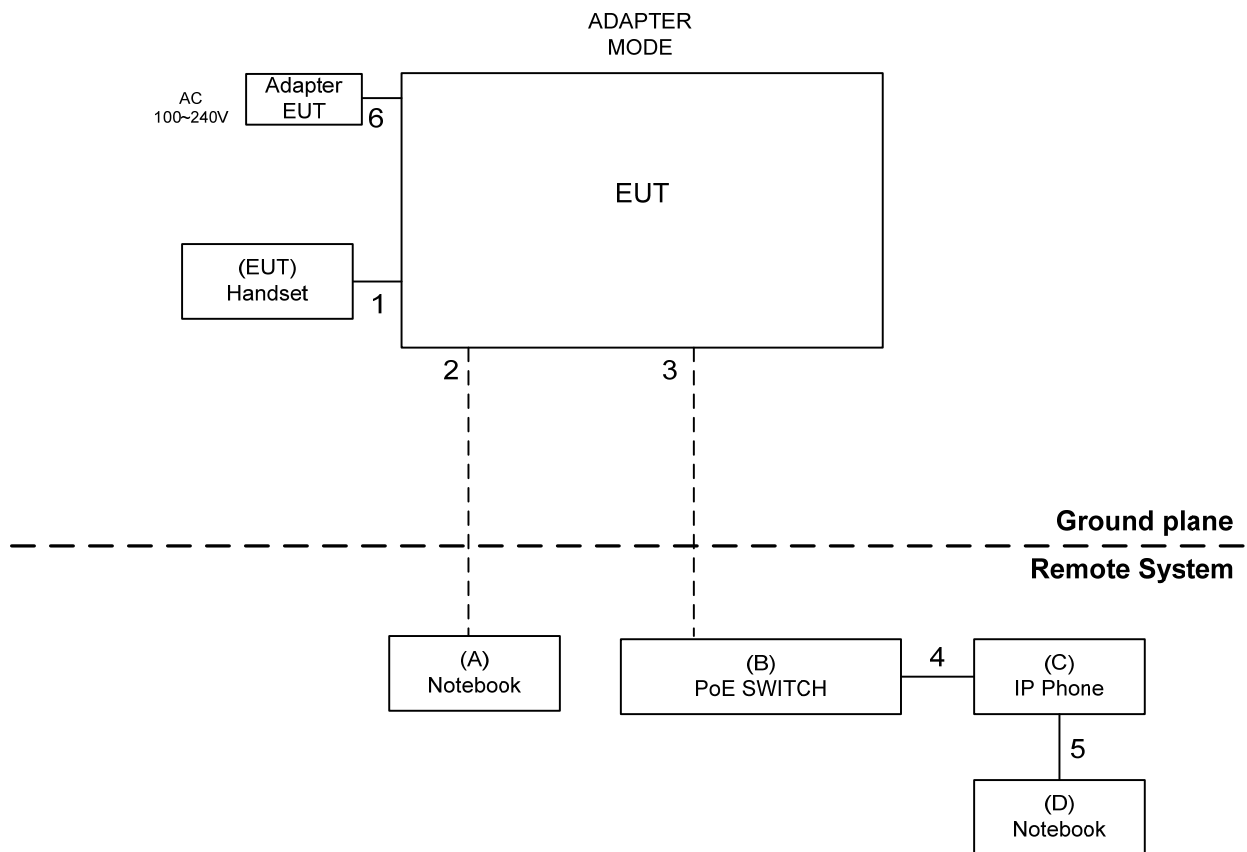
For Conducted Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset

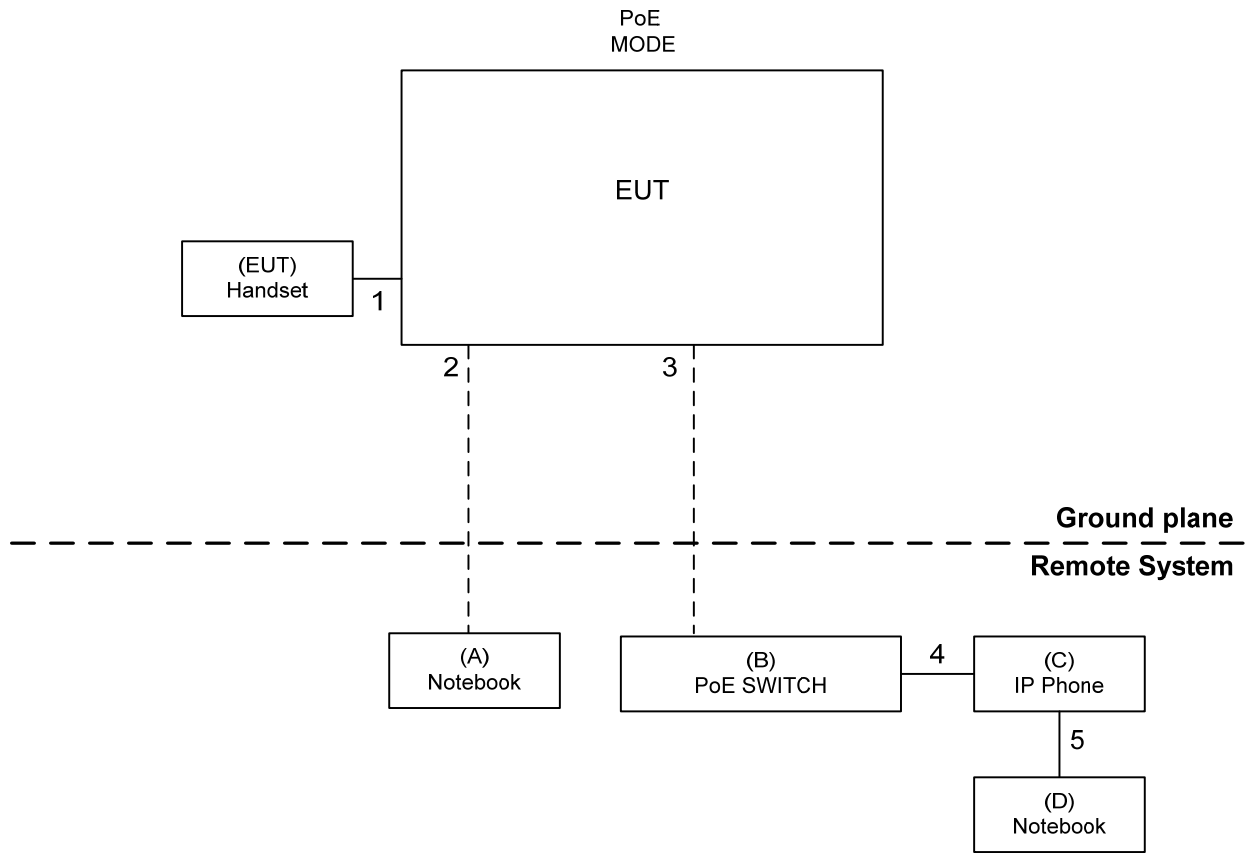
For Radiated Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset

### 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





### 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	DELL	INSPIRON 1420	DOC	JX193A01SDC2
B	PoE SWITCH	D-LINK	DGS-1008P	N/A	QB842D1000045
C	IP PHONE	FANVIL	X3P	N/A	N/A
D	Notebook	HP	8460P	DOC	CNU1301BJ3

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	1m	RJ45 Cable
5	NO	NO	1m	RJ45 Cable
6	NO	NO	1.8m	DC 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_EMCC (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.

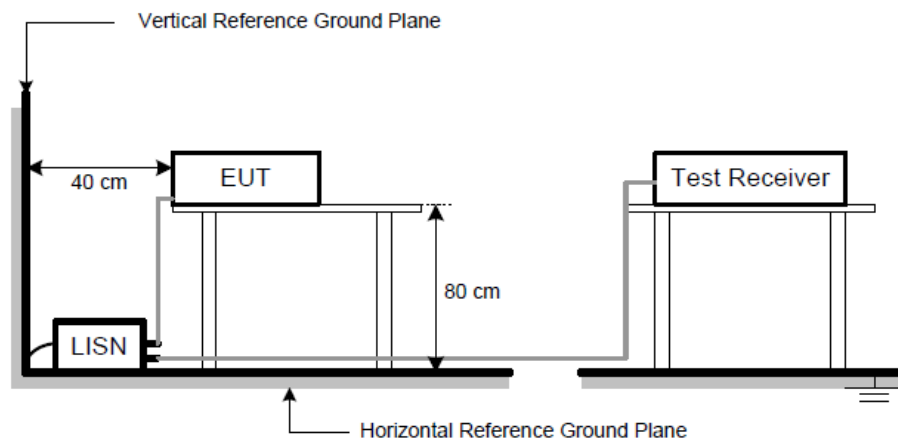
### 4.1.3 TEST PROCEDURE

- 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

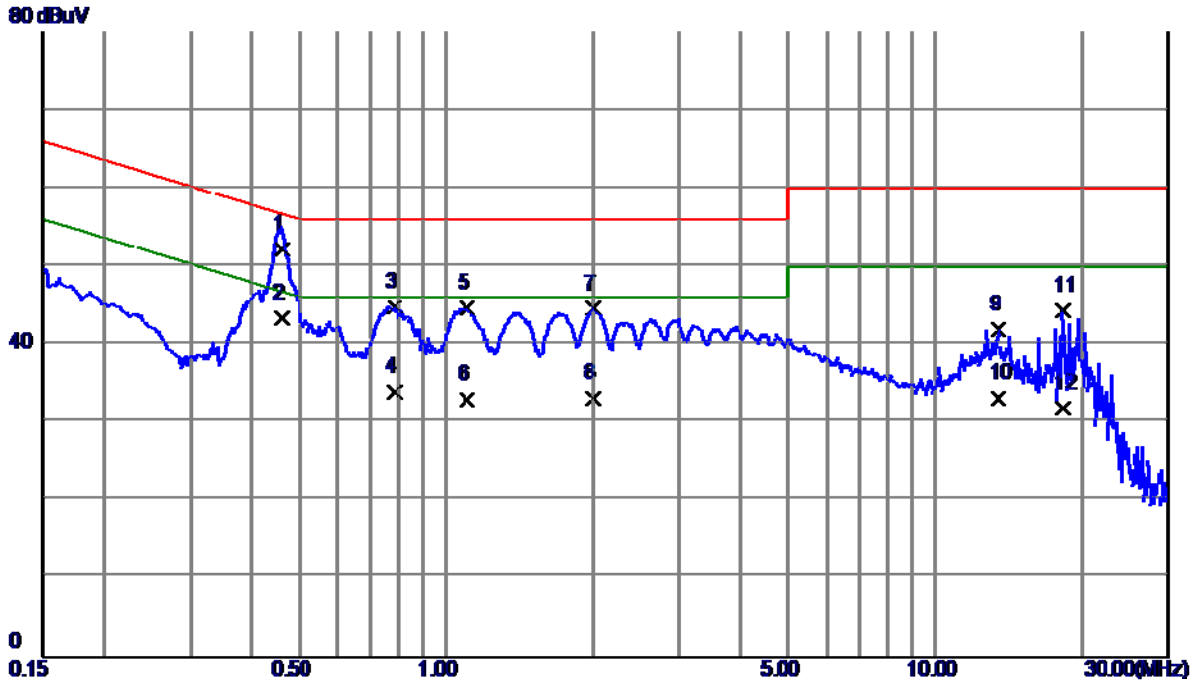


### 4.1.6 TEST RESULTS

Remark

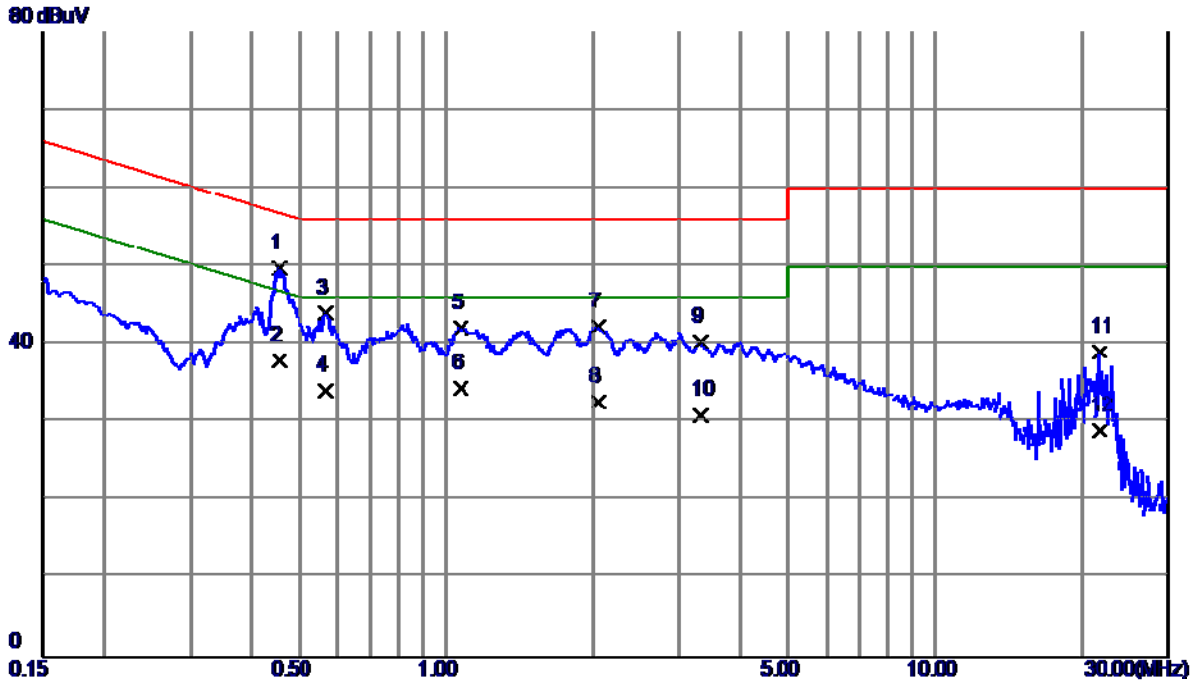
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz, VBW =10KHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz, VBW=10KHz, Swp. Time =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	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Handfree		
Test Engineer	Pike Lee		



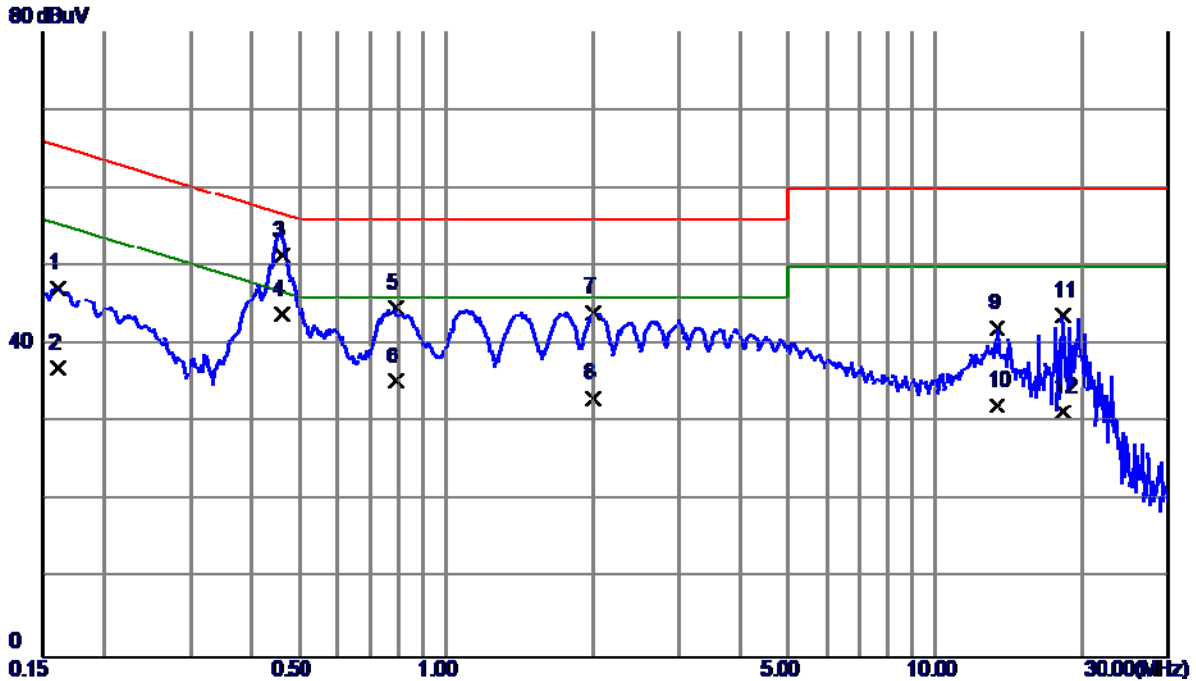
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1	0.4605	42.40	9.69	52.09	56.68	-4.59	QP
2 *	0.4605	33.60	9.69	43.29	46.68	-3.39	AVG
3	0.7845	35.14	9.71	44.85	56.00	-11.15	QP
4	0.7845	24.17	9.71	33.88	46.00	-12.12	AVG
5	1.1062	34.91	9.73	44.64	56.00	-11.36	QP
6	1.1062	23.25	9.73	32.98	46.00	-13.02	AVG
7	1.9995	34.78	9.78	44.56	56.00	-11.44	QP
8	1.9995	23.29	9.78	33.07	46.00	-12.93	AVG
9	13.4813	32.03	9.90	41.93	60.00	-18.07	QP
10	13.4813	23.21	9.90	33.11	50.00	-16.89	AVG
11	18.2445	34.43	9.90	44.33	60.00	-15.67	QP
12	18.2445	21.98	9.90	31.88	50.00	-18.12	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Handfree		
Test Engineer	Pike Lee		



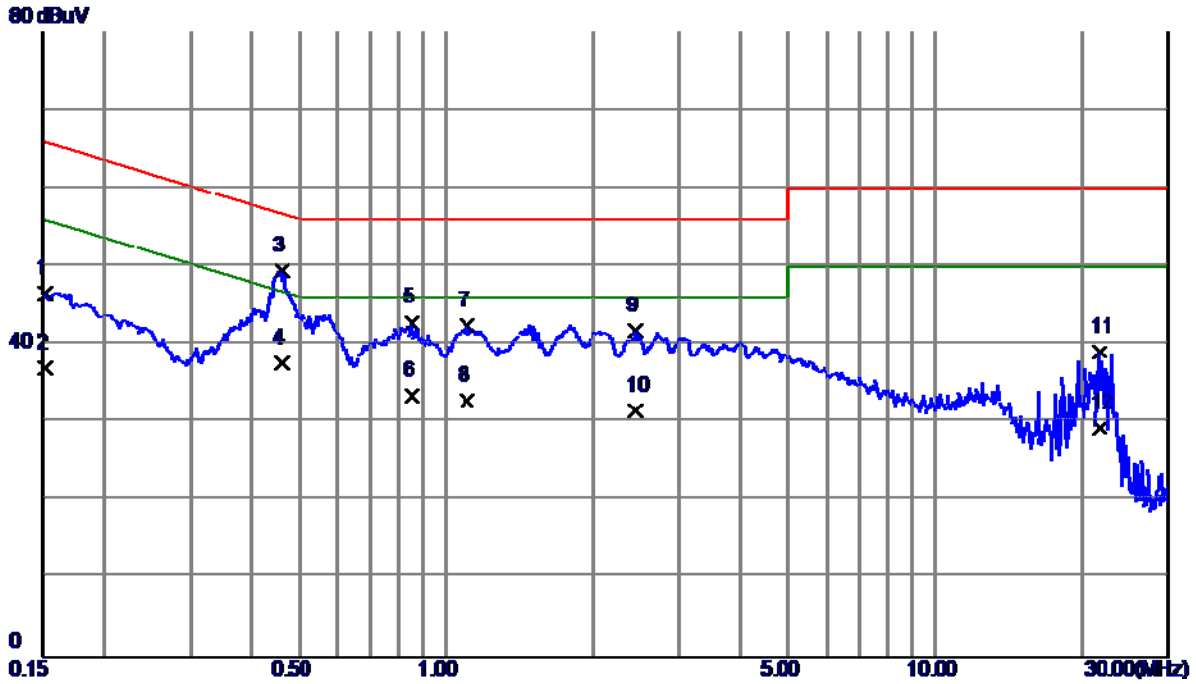
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector
1 *	0.4560	40.07	9.69	49.76	56.77	-7.01	QP
2	0.4560	28.20	9.69	37.89	46.77	-8.88	AVG
3	0.5662	34.32	9.70	44.02	56.00	-11.98	QP
4	0.5662	24.43	9.70	34.13	46.00	-11.87	AVG
5	1.0725	32.36	9.72	42.08	56.00	-13.92	QP
6	1.0725	24.70	9.72	34.42	46.00	-11.58	AVG
7	2.0490	32.42	9.78	42.20	56.00	-13.80	QP
8	2.0490	22.89	9.78	32.67	46.00	-13.33	AVG
9	3.3180	30.43	9.83	40.26	56.00	-15.74	QP
10	3.3180	21.13	9.83	30.96	46.00	-15.04	AVG
11	21.6645	29.10	9.94	39.04	60.00	-20.96	QP
12	21.6645	19.07	9.94	29.01	50.00	-20.99	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Handset		
Test Engineer	Pike Lee		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1	0.1613	37.53	9.69	47.22	65.40	-18.18	QP
2	0.1613	27.26	9.69	36.95	55.40	-18.45	AVG
3	0.4605	41.70	9.69	51.39	56.68	-5.29	QP
4 *	0.4605	34.10	9.69	43.79	46.68	-2.89	AVG
5	0.7867	34.87	9.71	44.58	56.00	-11.42	QP
6	0.7867	25.57	9.71	35.28	46.00	-10.72	AVG
7	2.0040	34.30	9.78	44.08	56.00	-11.92	QP
8	2.0040	23.29	9.78	33.07	46.00	-12.93	AVG
9	13.4183	32.18	9.90	42.08	60.00	-17.92	QP
10	13.4183	22.21	9.90	32.11	50.00	-17.89	AVG
11	18.2445	33.71	9.90	43.61	60.00	-16.39	QP
12	18.2445	21.48	9.90	31.38	50.00	-18.62	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Handset		
Test Engineer	Pike Lee		



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector
1	0.1522	36.93	9.69	46.62	65.88	-19.26	QP
2	0.1522	27.25	9.69	36.94	55.88	-18.94	AVG
3 *	0.4605	39.79	9.69	49.48	56.68	-7.20	QP
4	0.4605	27.90	9.69	37.59	46.68	-9.09	AVG
5	0.8520	33.09	9.71	42.80	56.00	-13.20	QP
6	0.8520	23.78	9.71	33.49	46.00	-12.51	AVG
7	1.1062	32.65	9.73	42.38	56.00	-13.62	QP
8	1.1062	23.00	9.73	32.73	46.00	-13.27	AVG
9	2.4472	32.00	9.80	41.80	56.00	-14.20	QP
10	2.4472	21.79	9.80	31.59	46.00	-14.41	AVG
11	21.6623	29.17	9.94	39.11	60.00	-20.89	QP
12	21.6623	19.37	9.94	29.31	50.00	-20.69	AVG

## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

#### Below 1 GHz

##### Measurement Method and Applied Limits:

##### ANSI C63.4:

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

#### Above 1 GHz

##### Measurement Method and Applied Limits:

##### ANSI C63.4:

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

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

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

#### NOTE:

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

#### 4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	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	EMC265404 5	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 ;

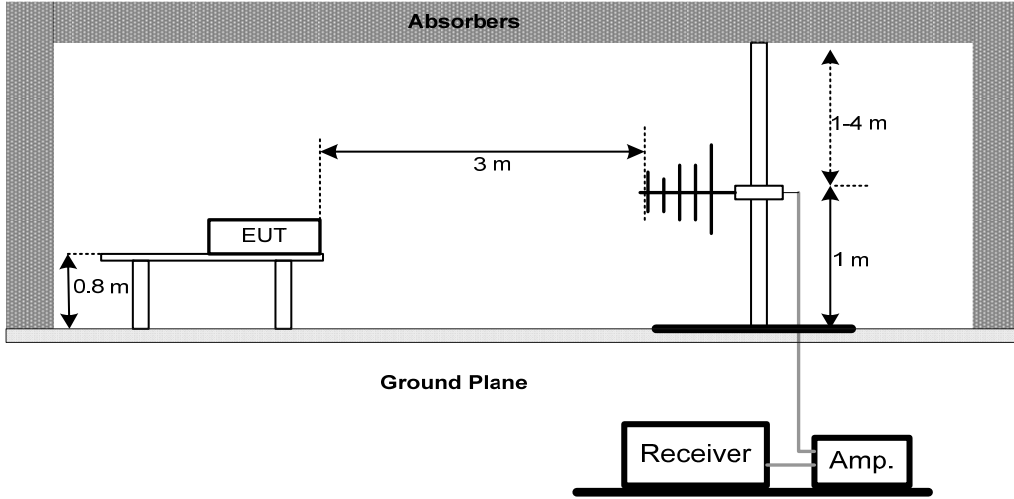
Limit line = specific limits (dBuV) + 9.5 dB.

#### 4.2.4 DEVIATION FROM TEST STANDARD

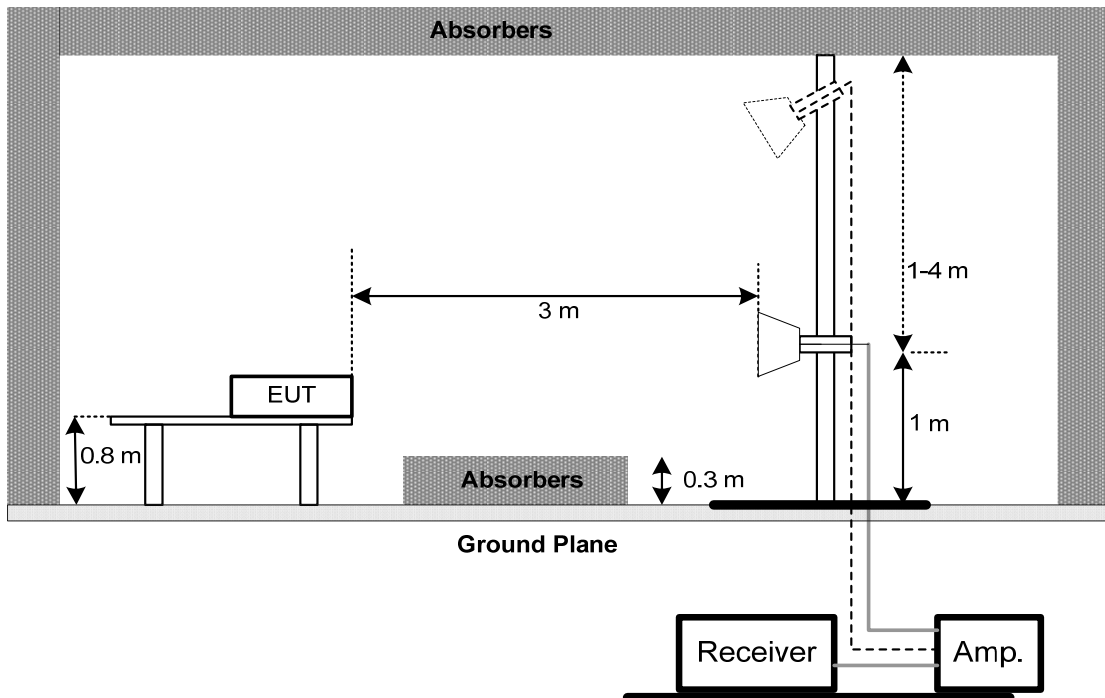
No deviation

**4.2.5 TEST SETUP**

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



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

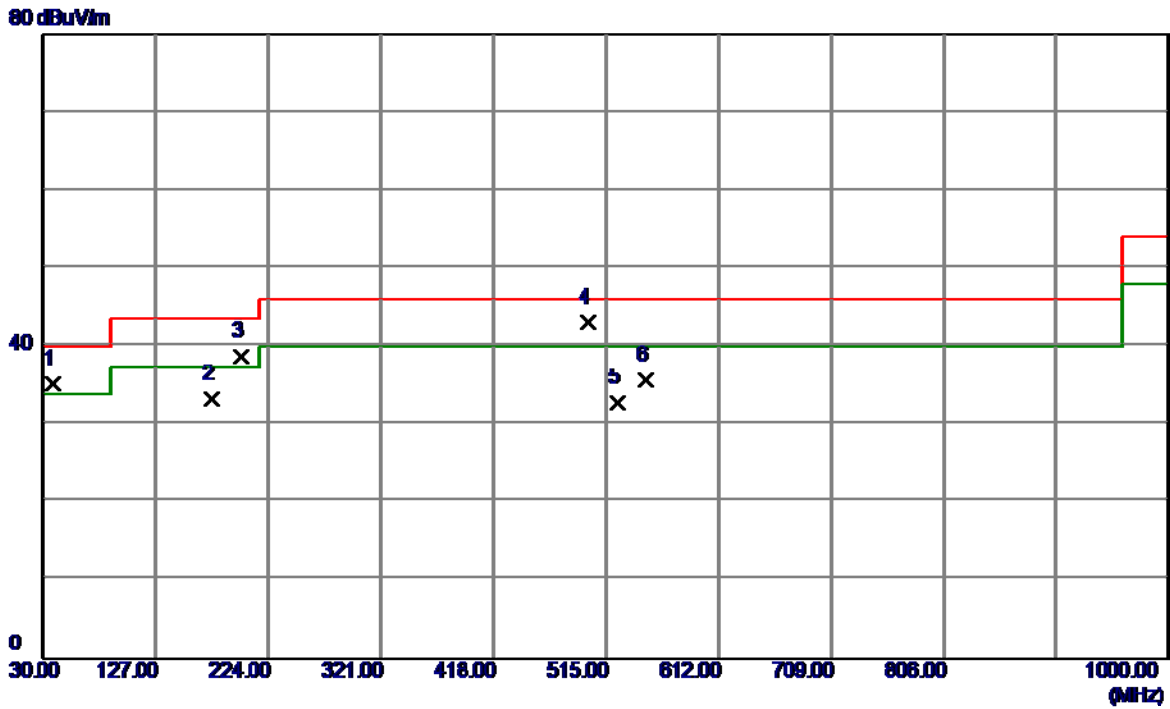


#### 4.2.6 TEST RESULTS-BELOW 1GHZ

Remark :

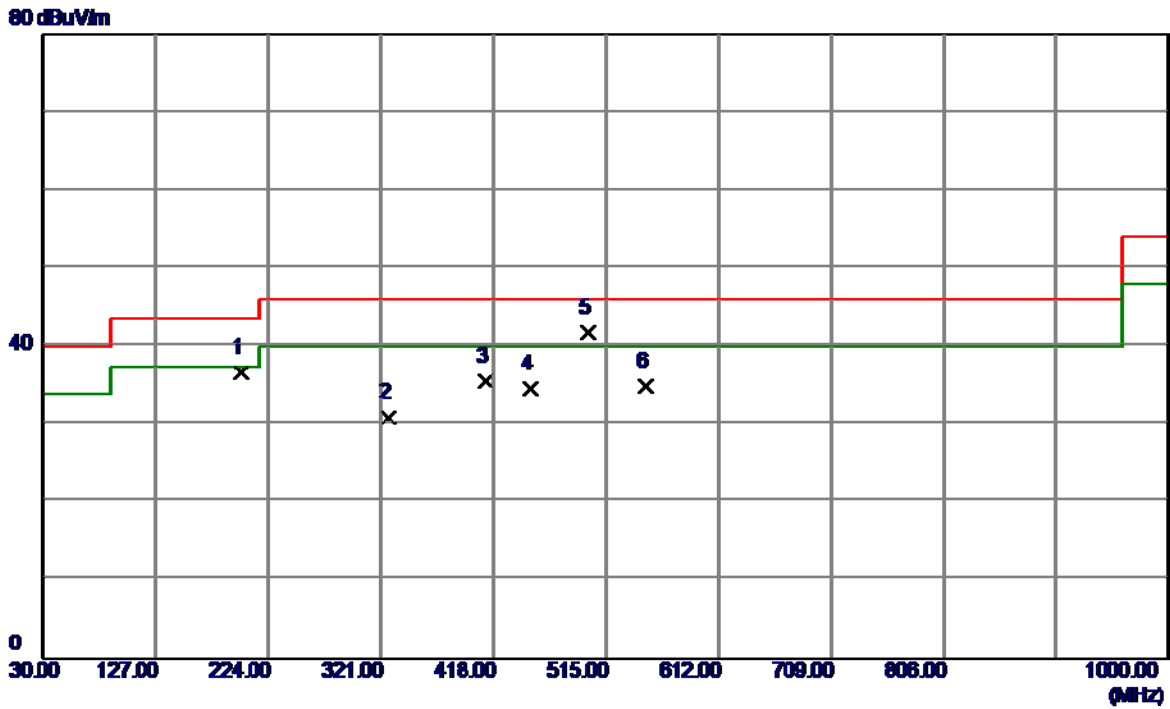
- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz ◦
- (3) If the peak scan value lower limit more than 20dB,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

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Pike Lee		



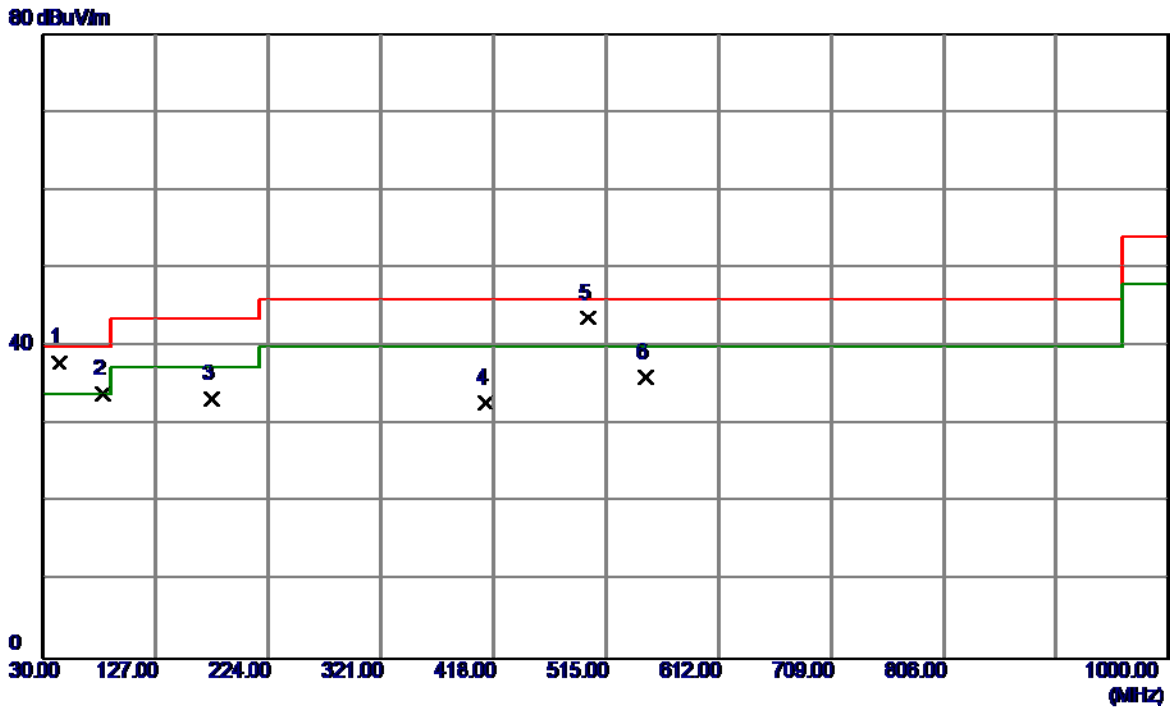
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	38.7300	43.95	-8.80	35.15	40.00	-4.85	QP
2	175.0150	42.14	-8.81	33.33	43.50	-10.17	QP
3	200.2350	49.12	-10.39	38.73	43.50	-4.77	QP
4 *	499.9650	46.28	-3.29	42.99	46.00	-3.01	QP
5	525.1850	35.70	-2.89	32.81	46.00	-13.19	QP
6	549.9200	38.23	-2.50	35.73	46.00	-10.27	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Pike Lee		



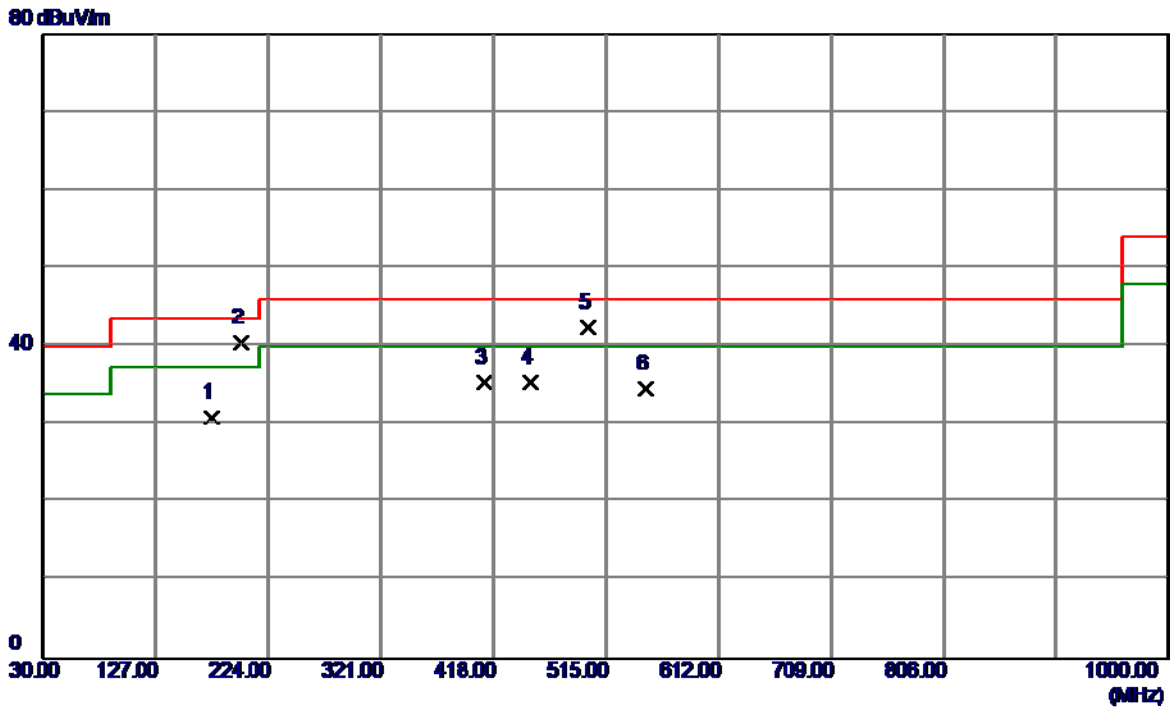
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	200.2350	47.10	-10.39	36.71	43.50	-6.79	QP
2	327.7900	36.63	-5.77	30.86	46.00	-15.14	QP
3	411.2100	40.05	-4.49	35.56	46.00	-10.44	QP
4	450.0100	38.29	-3.78	34.51	46.00	-11.49	QP
5 *	499.9650	45.06	-3.29	41.77	46.00	-4.23	QP
6	549.9200	37.35	-2.50	34.85	46.00	-11.15	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	Handfree		
Note	POE		
Test Engineer	Pike Lee		



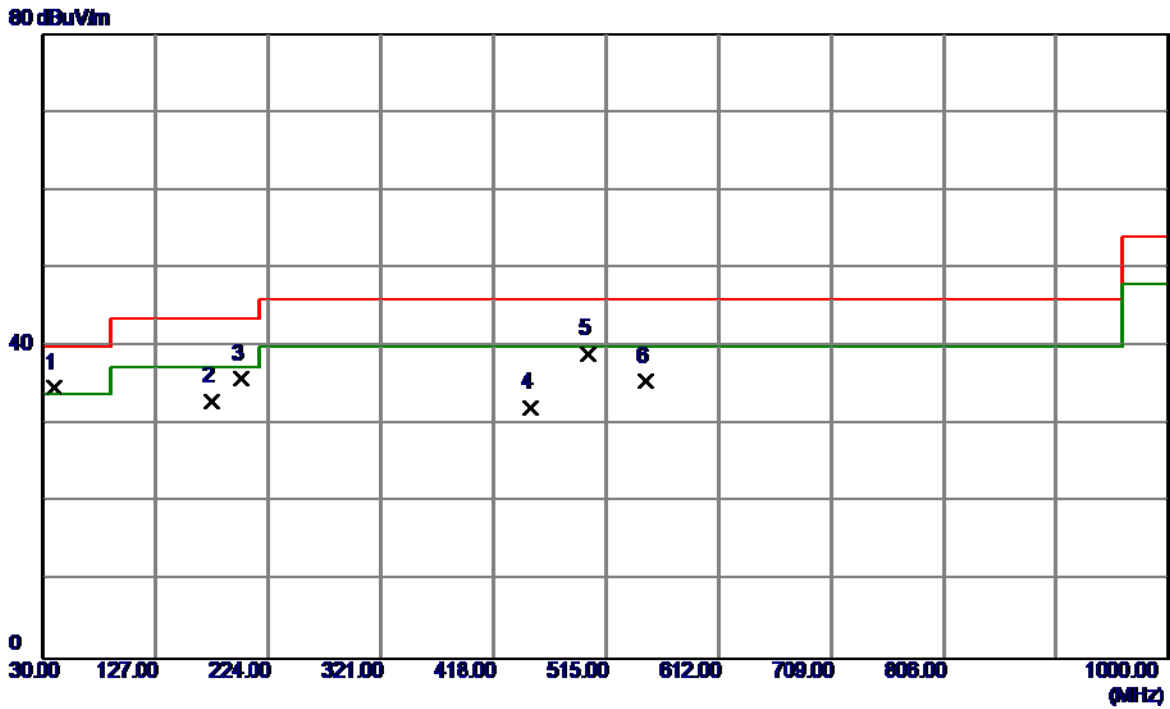
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	43.5800	46.26	-8.35	37.91	40.00	-2.09	QP
2	81.4100	46.76	-12.83	33.93	40.00	-6.07	QP
3	175.0150	42.03	-8.81	33.22	43.50	-10.28	QP
4	411.6950	37.20	-4.48	32.72	46.00	-13.28	QP
5	499.9650	46.89	-3.29	43.60	46.00	-2.40	QP
6	549.9200	38.54	-2.50	36.04	46.00	-9.96	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	Handfree		
Note	POE		
Test Engineer	Pike Lee		



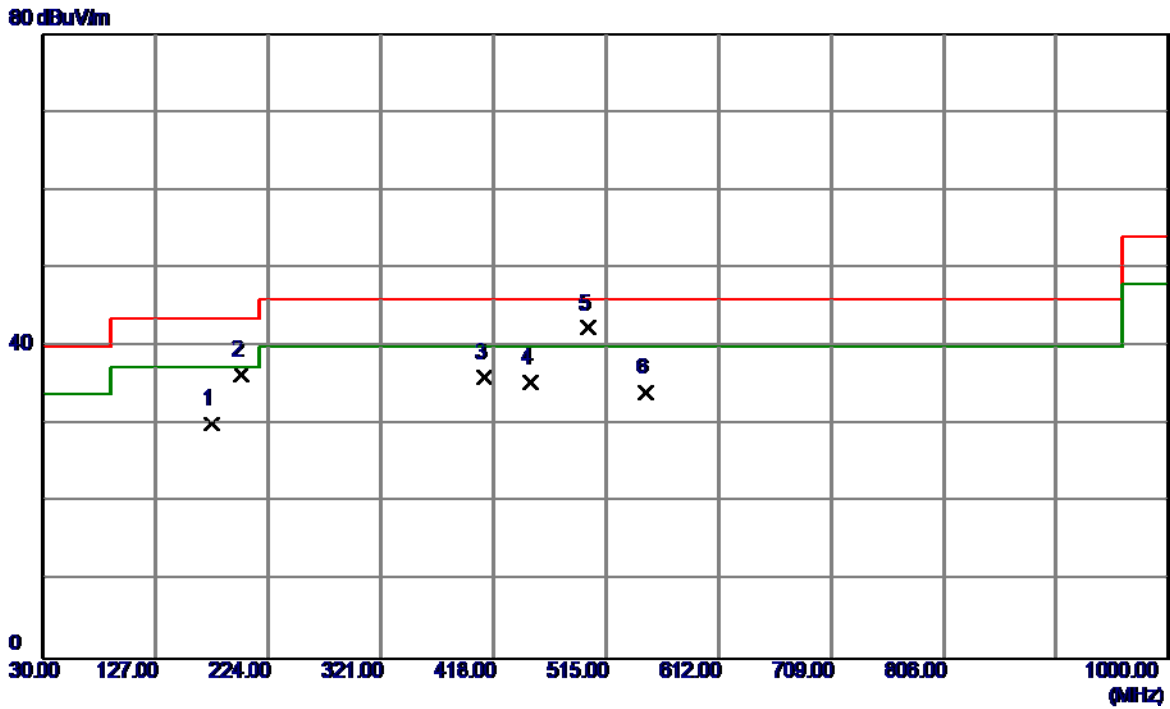
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	175.0150	39.72	-8.81	30.91	43.50	-12.59	QP
2 *	200.2350	50.92	-10.39	40.53	43.50	-2.97	QP
3	410.2400	39.81	-4.51	35.30	46.00	-10.70	QP
4	450.0100	39.17	-3.78	35.39	46.00	-10.61	QP
5	499.9650	45.70	-3.29	42.41	46.00	-3.59	QP
6	549.9200	37.00	-2.50	34.50	46.00	-11.50	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handset		
Note	Adapter		
Test Engineer	Pike Lee		



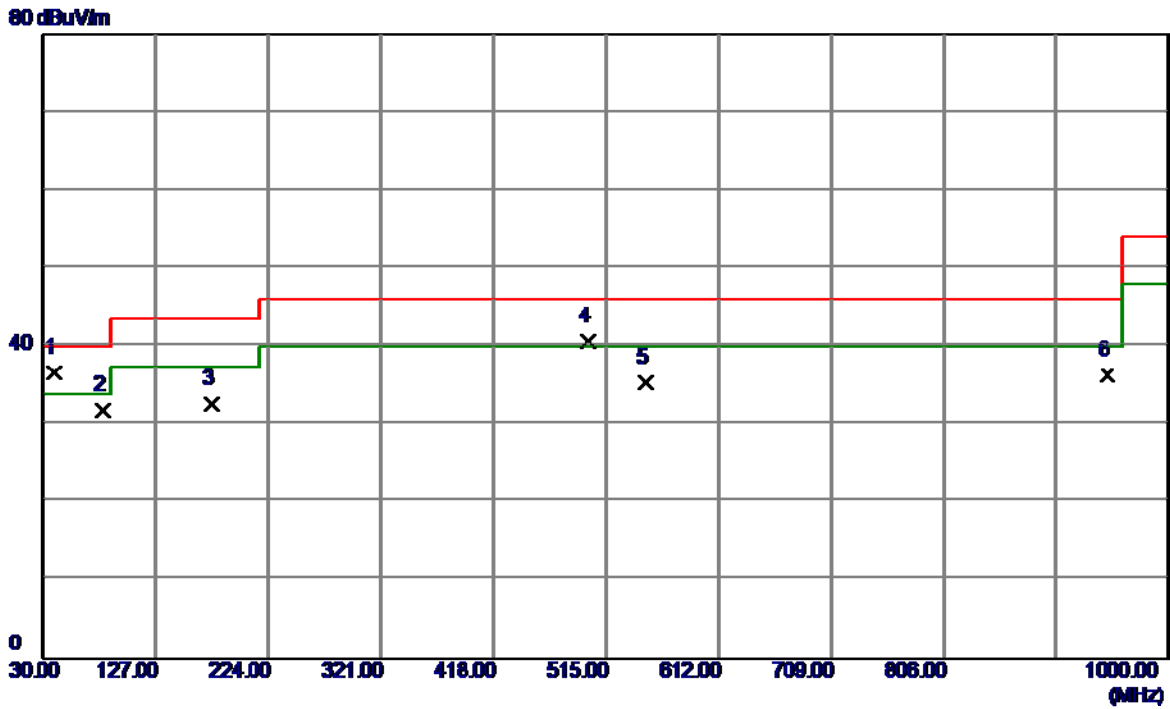
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	39.2150	43.53	-8.75	34.78	40.00	-5.22	QP
2	175.0150	41.79	-8.81	32.98	43.50	-10.52	QP
3	200.2350	46.24	-10.39	35.85	43.50	-7.65	QP
4	450.0100	36.01	-3.78	32.23	46.00	-13.77	QP
5	499.9650	42.26	-3.29	38.97	46.00	-7.03	QP
6	549.9200	37.99	-2.50	35.49	46.00	-10.51	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handset		
Note	Adapter		
Test Engineer	Pike Lee		



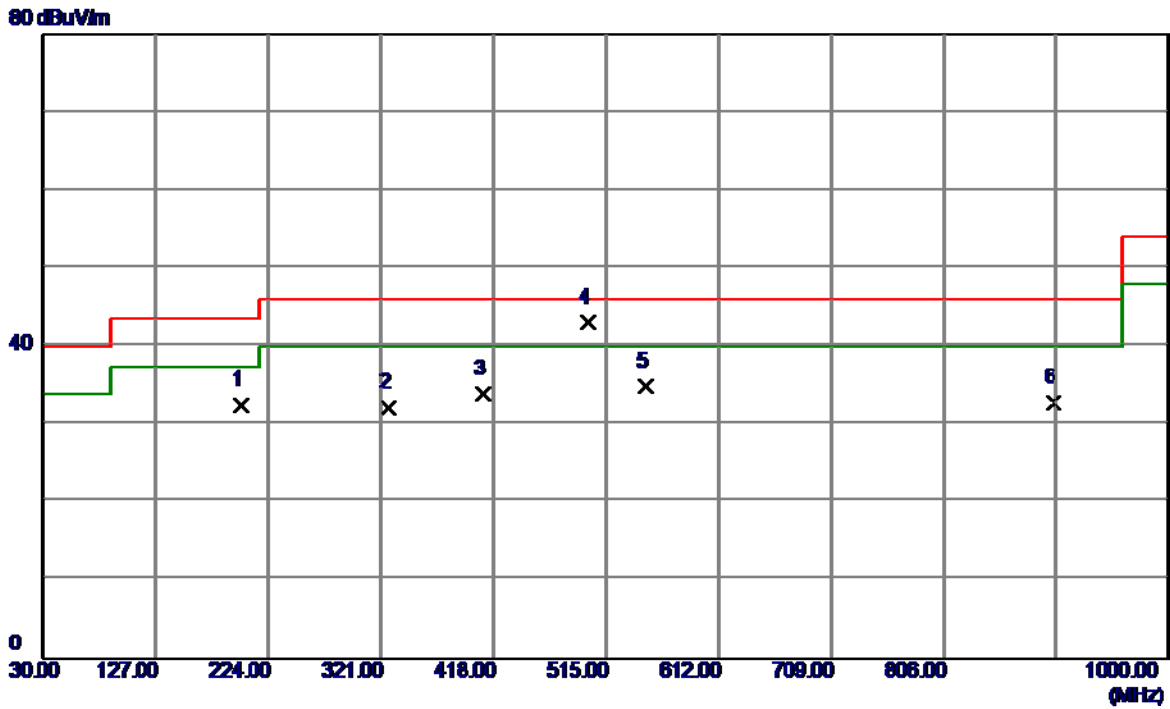
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	175.0150	38.92	-8.81	30.11	43.50	-13.39	QP
2	200.2350	46.76	-10.39	36.37	43.50	-7.13	QP
3	410.7250	40.56	-4.50	36.06	46.00	-9.94	QP
4	450.0100	39.12	-3.78	35.34	46.00	-10.66	QP
5 *	499.9650	45.61	-3.29	42.32	46.00	-3.68	QP
6	549.9200	36.52	-2.50	34.02	46.00	-11.98	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	Handset		
Note	POE		
Test Engineer	Pike Lee		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1 *	39.2150	45.34	-8.75	36.59	40.00	-3.41	QP
2	81.4100	44.69	-12.83	31.86	40.00	-8.14	QP
3	175.0150	41.43	-8.81	32.62	43.50	-10.88	QP
4	499.9650	43.95	-3.29	40.66	46.00	-5.34	QP
5	549.9200	37.79	-2.50	35.29	46.00	-10.71	QP
6	947.6200	31.93	4.38	36.31	46.00	-9.69	QP

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	Handset		
Note	POE		
Test Engineer	Pike Lee		



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	200.2350	42.92	-10.39	32.53	43.50	-10.97	QP
2	327.7900	37.88	-5.77	32.11	46.00	-13.89	QP
3	409.2700	38.48	-4.53	33.95	46.00	-12.05	QP
4 *	499.9650	46.28	-3.29	42.99	46.00	-3.01	QP
5	549.9200	37.40	-2.50	34.90	46.00	-11.10	QP
6	900.5750	28.89	3.86	32.75	46.00	-13.25	QP

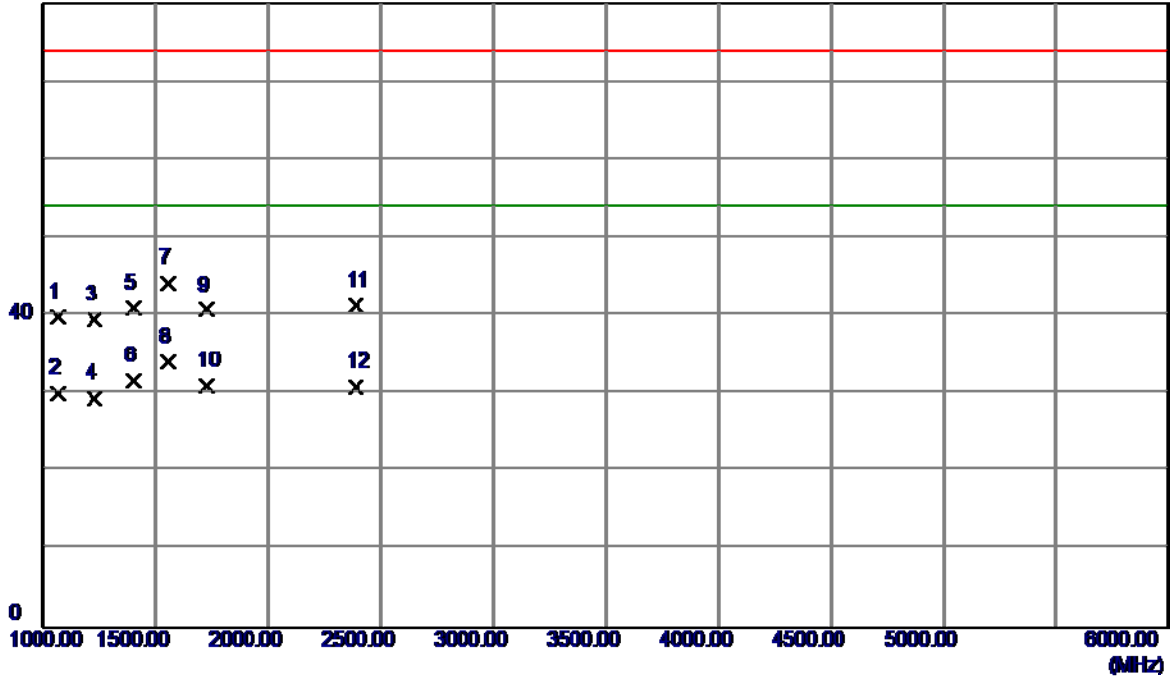
#### 4.2.7 TEST RESULTS-ABOVE 1GHZ

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	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Pike Lee		

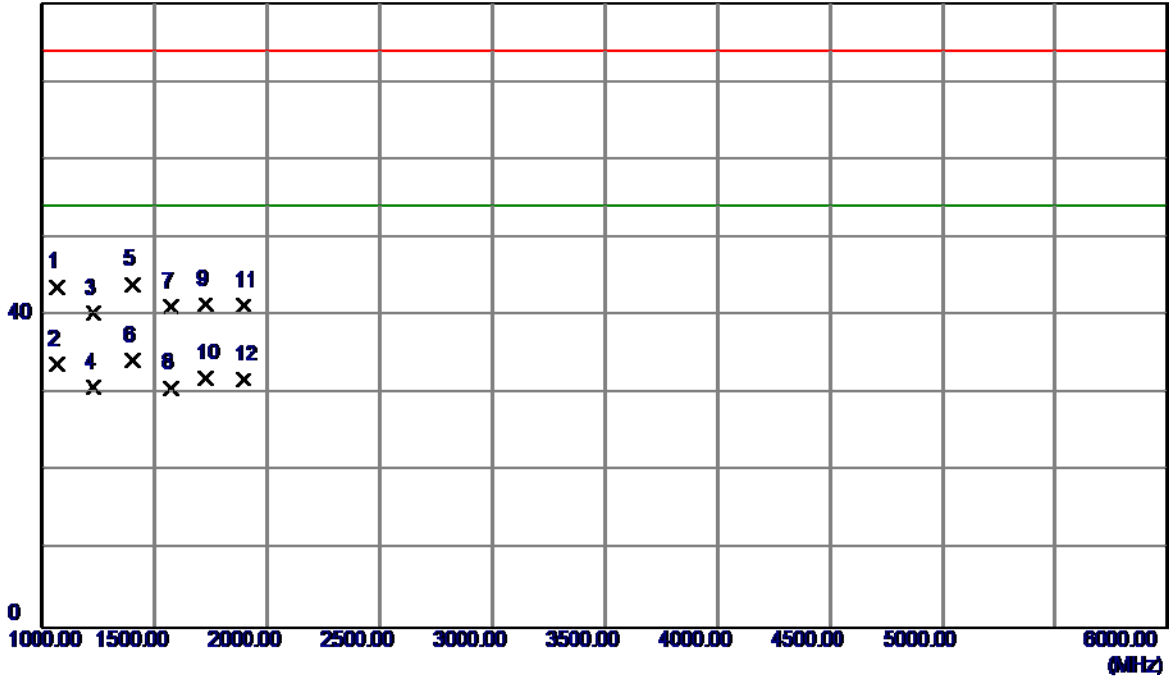
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1065.0000	45.68	-5.77	39.91	74.00	-34.09	Peak
2	1065.0000	35.79	-5.77	30.02	54.00	-23.98	AVG
3	1230.0000	44.37	-4.89	39.48	74.00	-34.52	Peak
4	1230.0000	34.32	-4.89	29.43	54.00	-24.57	AVG
5	1400.0000	45.00	-3.98	41.02	74.00	-32.98	Peak
6	1400.0000	35.60	-3.98	31.62	54.00	-22.38	AVG
7	1557.5000	47.44	-3.33	44.11	74.00	-29.89	Peak
8 *	1557.5000	37.39	-3.33	34.06	54.00	-19.94	AVG
9	1727.5000	43.69	-2.97	40.72	74.00	-33.28	Peak
10	1727.5000	34.05	-2.97	31.08	54.00	-22.92	AVG
11	2387.5000	42.44	-1.11	41.33	74.00	-32.67	Peak
12	2387.5000	31.95	-1.11	30.84	54.00	-23.16	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Pike Lee		

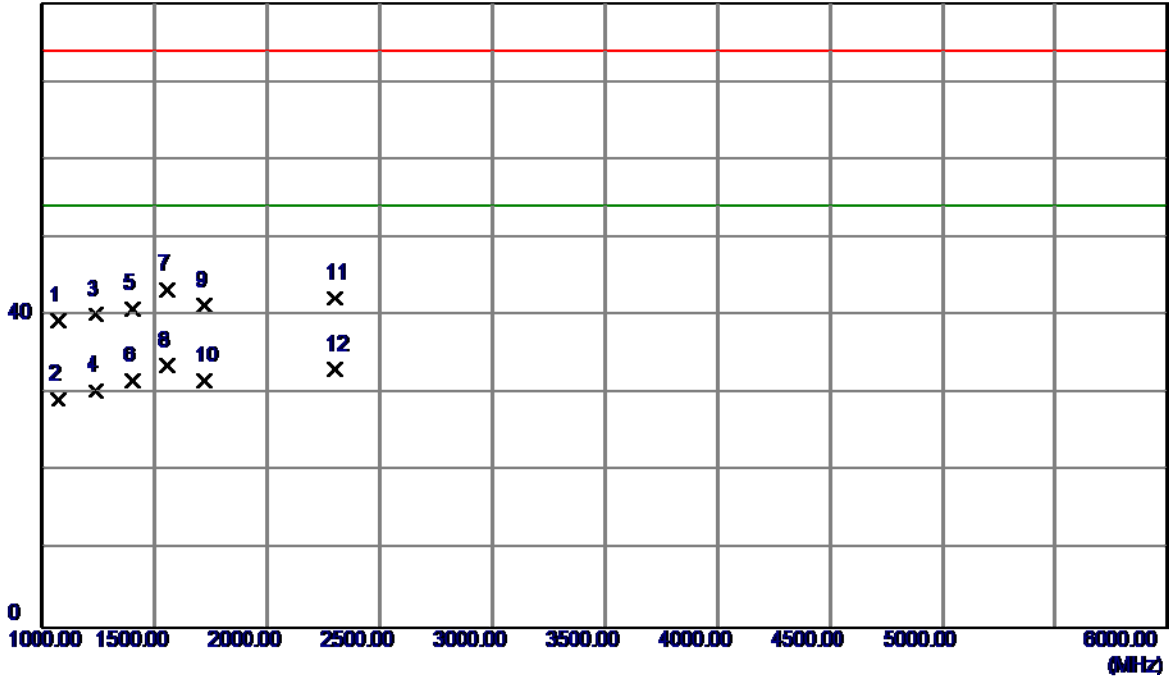
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1067.5000	49.38	-5.76	43.62	74.00	-30.38	Peak
2	1067.5000	39.56	-5.76	33.80	54.00	-20.20	AVG
3	1230.0000	45.17	-4.89	40.28	74.00	-33.72	Peak
4	1230.0000	35.69	-4.89	30.80	54.00	-23.20	AVG
5	1400.0000	47.91	-3.98	43.93	74.00	-30.07	Peak
6 *	1400.0000	38.24	-3.98	34.26	54.00	-19.74	AVG
7	1570.0000	44.42	-3.30	41.12	74.00	-32.88	Peak
8	1570.0000	34.03	-3.30	30.73	54.00	-23.27	AVG
9	1727.5000	44.36	-2.97	41.39	74.00	-32.61	Peak
10	1727.5000	34.92	-2.97	31.95	54.00	-22.05	AVG
11	1892.5000	43.93	-2.63	41.30	74.00	-32.70	Peak
12	1892.5000	34.49	-2.63	31.86	54.00	-22.14	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	Handfree		
Note	POE		
Test Engineer	Pike Lee		

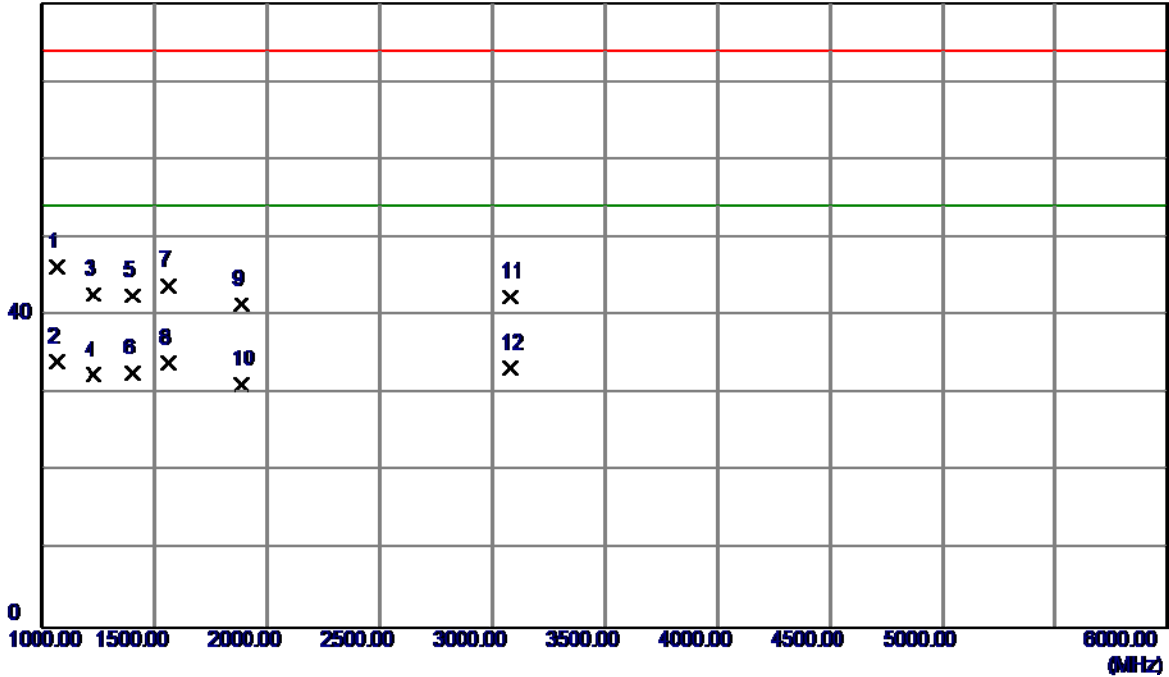
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1072.5000	45.13	-5.73	39.40	74.00	-34.60	Peak
2	1072.5000	35.04	-5.73	29.31	54.00	-24.69	AVG
3	1237.5000	44.99	-4.85	40.14	74.00	-33.86	Peak
4	1237.5000	35.18	-4.85	30.33	54.00	-23.67	AVG
5	1400.0000	44.86	-3.98	40.88	74.00	-33.12	Peak
6	1400.0000	35.62	-3.98	31.64	54.00	-22.36	AVG
7	1557.5000	46.76	-3.33	43.43	74.00	-30.57	Peak
8 *	1557.5000	36.90	-3.33	33.57	54.00	-20.43	AVG
9	1722.5000	44.33	-2.98	41.35	74.00	-32.65	Peak
10	1722.5000	34.73	-2.98	31.75	54.00	-22.25	AVG
11	2302.5000	43.70	-1.40	42.30	74.00	-31.70	Peak
12	2302.5000	34.46	-1.40	33.06	54.00	-20.94	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	Handfree		
Note	POE		
Test Engineer	Pike Lee		

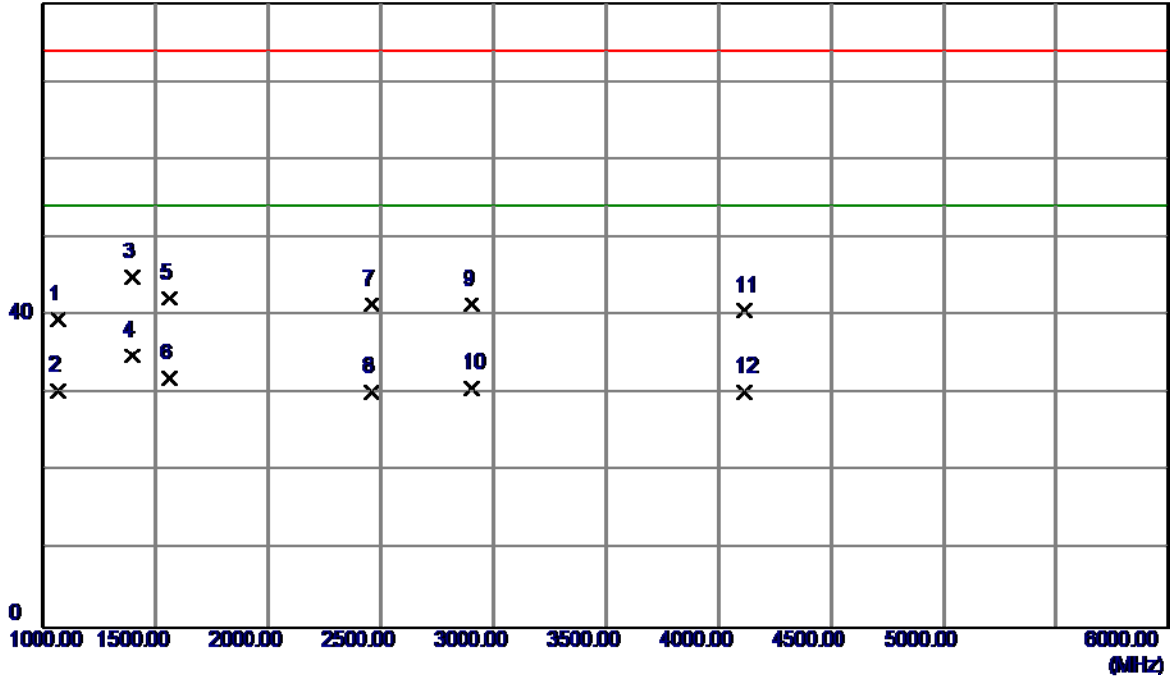
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1065.0000	51.97	-5.77	46.20	74.00	-27.80	Peak
2 *	1065.0000	39.83	-5.77	34.06	54.00	-19.94	AVG
3	1230.0000	47.65	-4.89	42.76	74.00	-31.24	Peak
4	1230.0000	37.29	-4.89	32.40	54.00	-21.60	AVG
5	1397.5000	46.58	-4.00	42.58	74.00	-31.42	Peak
6	1397.5000	36.64	-4.00	32.64	54.00	-21.36	AVG
7	1562.5000	47.16	-3.32	43.84	74.00	-30.16	Peak
8	1562.5000	37.23	-3.32	33.91	54.00	-20.09	AVG
9	1882.5000	44.14	-2.65	41.49	74.00	-32.51	Peak
10	1882.5000	33.79	-2.65	31.14	54.00	-22.86	AVG
11	3077.5000	41.25	1.18	42.43	74.00	-31.57	Peak
12	3077.5000	32.14	1.18	33.32	54.00	-20.68	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handset		
Note	Adapter		
Test Engineer	Pike Lee		

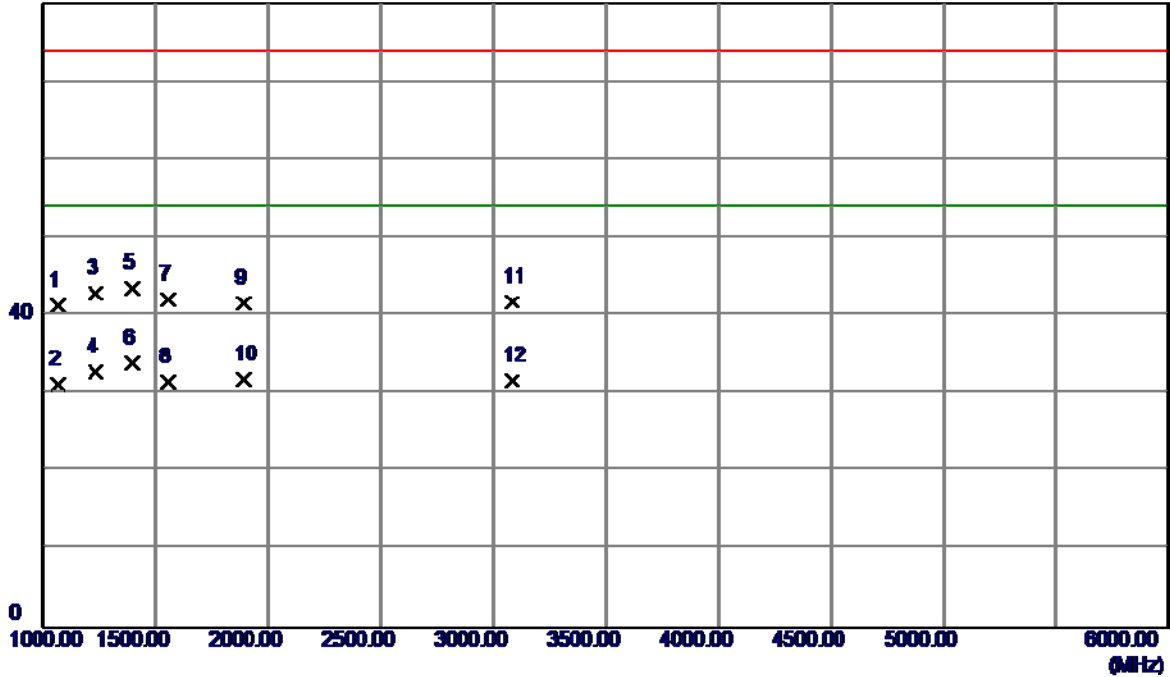
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1067.5000	45.23	-5.76	39.47	74.00	-34.53	Peak
2	1067.5000	36.22	-5.76	30.46	54.00	-23.54	AVG
3	1392.5000	48.98	-4.02	44.96	74.00	-29.04	Peak
4 *	1392.5000	38.95	-4.02	34.93	54.00	-19.07	AVG
5	1562.5000	45.53	-3.32	42.21	74.00	-31.79	Peak
6	1562.5000	35.38	-3.32	32.06	54.00	-21.94	AVG
7	2460.0000	42.27	-0.87	41.40	74.00	-32.60	Peak
8	2460.0000	31.11	-0.87	30.24	54.00	-23.76	AVG
9	2905.0000	40.63	0.74	41.37	74.00	-32.63	Peak
10	2905.0000	30.00	0.74	30.74	54.00	-23.26	AVG
11	4115.0000	37.71	2.94	40.65	74.00	-33.35	Peak
12	4115.0000	27.36	2.94	30.30	54.00	-23.70	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handset		
Note	Adapter		
Test Engineer	Pike Lee		

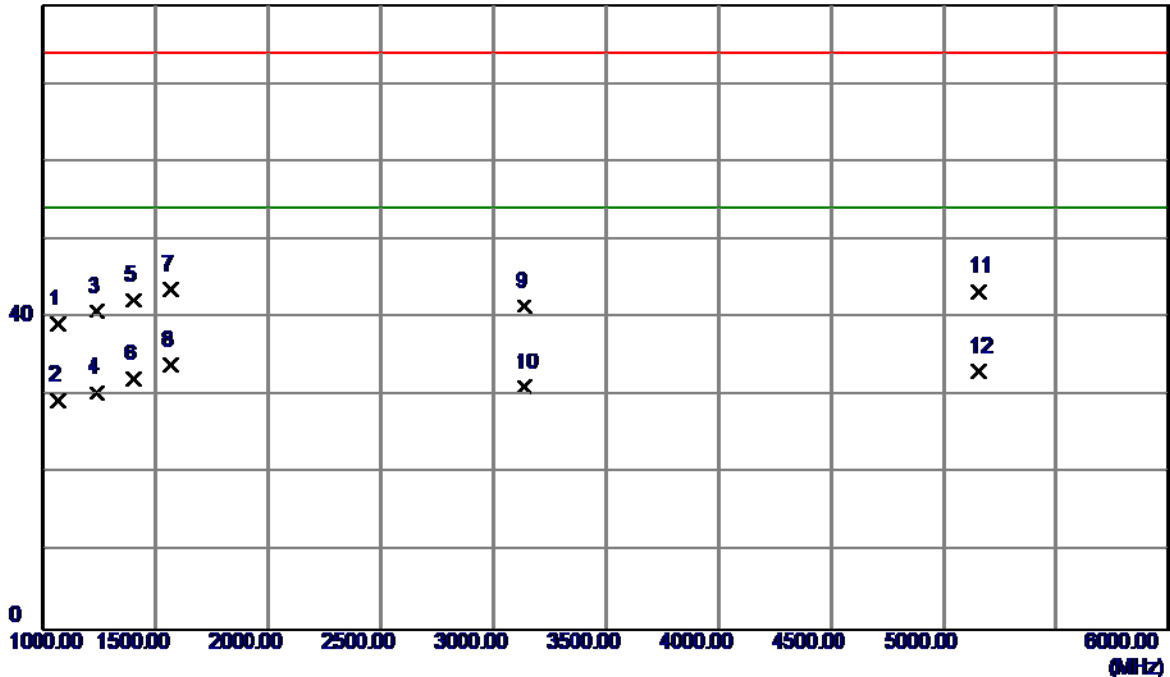
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1065.0000	47.12	-5.77	41.35	74.00	-32.65	Peak
2	1065.0000	36.92	-5.77	31.15	54.00	-22.85	AVG
3	1235.0000	47.82	-4.87	42.95	74.00	-31.05	Peak
4	1235.0000	37.74	-4.87	32.87	54.00	-21.13	AVG
5	1395.0000	47.53	-4.01	43.52	74.00	-30.48	Peak
6 *	1395.0000	37.90	-4.01	33.89	54.00	-20.11	AVG
7	1557.5000	45.36	-3.33	42.03	74.00	-31.97	Peak
8	1557.5000	34.89	-3.33	31.56	54.00	-22.44	AVG
9	1890.0000	44.30	-2.63	41.67	74.00	-32.33	Peak
10	1890.0000	34.50	-2.63	31.87	54.00	-22.13	AVG
11	3082.5000	40.64	1.19	41.83	74.00	-32.17	Peak
12	3082.5000	30.50	1.19	31.69	54.00	-22.31	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Vertical
Test Mode	Handset		
Note	POE		
Test Engineer	Pike Lee		

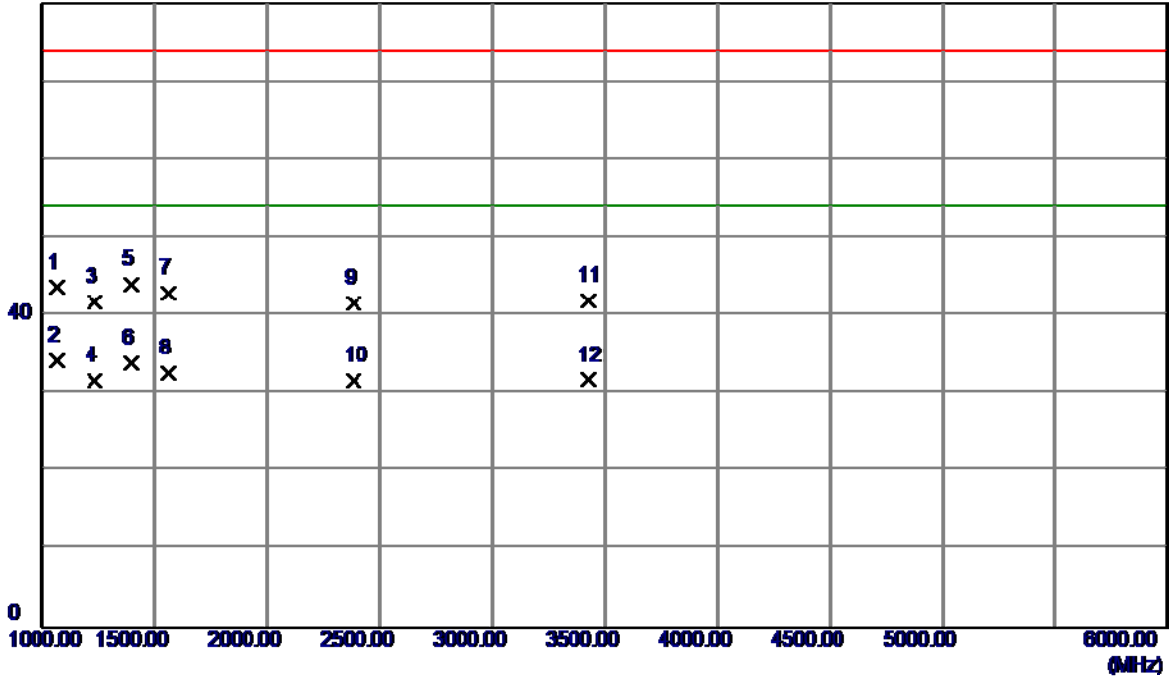
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1067.5000	44.95	-5.76	39.19	74.00	-34.81	Peak
2	1067.5000	35.22	-5.76	29.46	54.00	-24.54	AVG
3	1237.5000	45.59	-4.85	40.74	74.00	-33.26	Peak
4	1237.5000	35.18	-4.85	30.33	54.00	-23.67	AVG
5	1397.5000	46.17	-4.00	42.17	74.00	-31.83	Peak
6	1397.5000	36.15	-4.00	32.15	54.00	-21.85	AVG
7	1565.0000	46.91	-3.31	43.60	74.00	-30.40	Peak
8 *	1565.0000	37.23	-3.31	33.92	54.00	-20.08	AVG
9	3140.0000	40.15	1.26	41.41	74.00	-32.59	Peak
10	3140.0000	29.86	1.26	31.12	54.00	-22.88	AVG
11	5155.0000	37.72	5.70	43.42	74.00	-30.58	Peak
12	5155.0000	27.47	5.70	33.17	54.00	-20.83	AVG

EUT	IP Phone	Model Name	H5
Temperature	24°C	Relative Humidity	52%
Test Voltage	PoE 48V	Polarization	Horizontal
Test Mode	Handset		
Note	POE		
Test Engineer	Pike Lee		

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector
1	1067.5000	49.36	-5.76	43.60	74.00	-30.40	Peak
2 *	1067.5000	40.03	-5.76	34.27	54.00	-19.73	AVG
3	1232.5000	46.68	-4.88	41.80	74.00	-32.20	Peak
4	1232.5000	36.56	-4.88	31.68	54.00	-22.32	AVG
5	1395.0000	48.02	-4.01	44.01	74.00	-29.99	Peak
6	1395.0000	37.92	-4.01	33.91	54.00	-20.09	AVG
7	1562.5000	46.14	-3.32	42.82	74.00	-31.18	Peak
8	1562.5000	35.91	-3.32	32.59	54.00	-21.41	AVG
9	2385.0000	42.72	-1.12	41.60	74.00	-32.40	Peak
10	2385.0000	32.82	-1.12	31.70	54.00	-22.30	AVG
11	3425.0000	40.39	1.59	41.98	74.00	-32.02	Peak
12	3425.0000	30.17	1.59	31.76	54.00	-22.24	AVG