FCC Test Report

Project No.	:	1707C063
Equipment	:	IP Phone
Model Name	:	X5S
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	:	Jul. 07, 2017
Date of Test	:	Jul. 07, 2017 ~ Aug. 11, 2017
Issued Date	:	Aug. 14, 2017
Tested by	:	BTL Inc.

Testing Engineer : (Jason Yang)

Technical Manager : (Bill Zhang)

Authorized Signatory : (Steven Lu)

BTL INC.

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

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

Testing Laboratory 2640

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.

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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.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCE-1-1707C063	Original Issue.	Aug. 14, 2017

1. CERIFICATION

Equipment	:	IP Phone
Brand Name	:	Fanvil
Model Name	:	X5S
Applicant	:	Fanvil Technology Co.Ltd
Manufacturer	:	Fanvil Technology Co.Ltd
Address	:	3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th Dist., Bao'An, Shenzhen, 518101, China
Factory	:	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 Test	:	Jul. 07, 2017 ~ Aug. 11, 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-1-1707C063) 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 500MHz which does exceed 108 MHz, so the test will be performed.

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

The reported uncertainty of measurement **y** ± **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-C01	CISPR	150 kHz ~ 30MHz	3.16

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
Model Name	X5S
Model Difference	N/A
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 O/P: DC12V 1.0A
Connecting I/O Port	USB port,DC port, Internet port, PC port, Headphone port, Handset 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

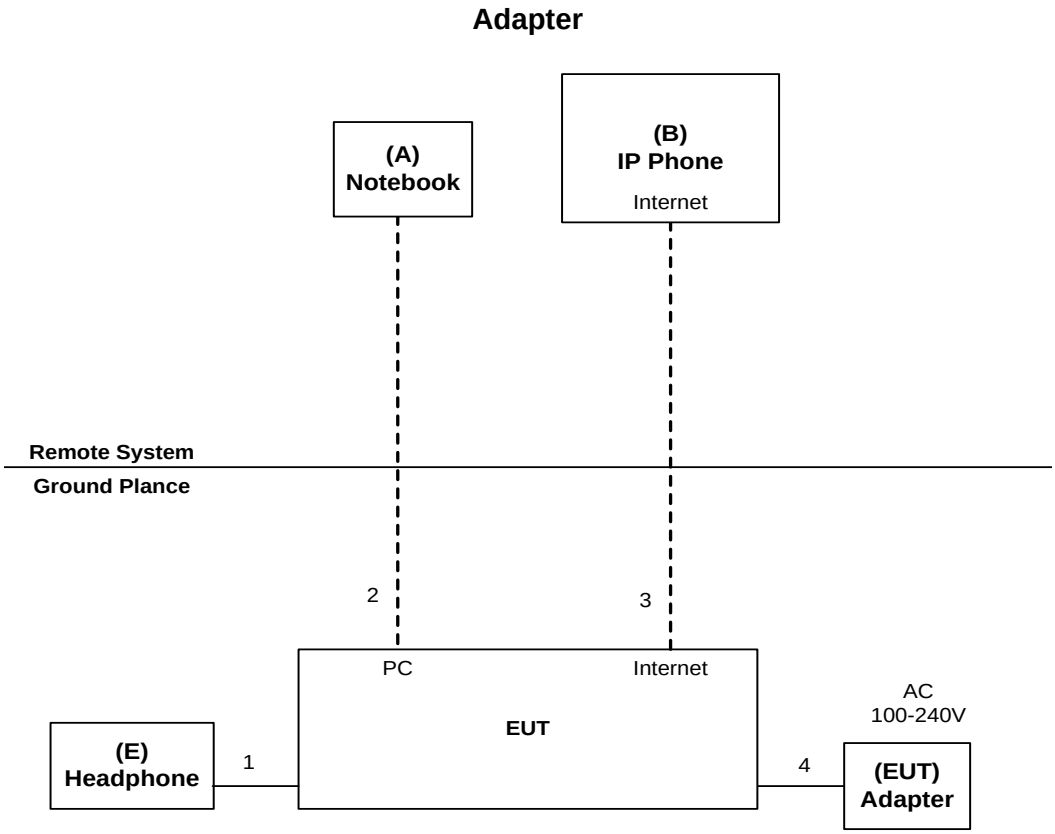
For Conducted Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset
Mode 3	Headphone

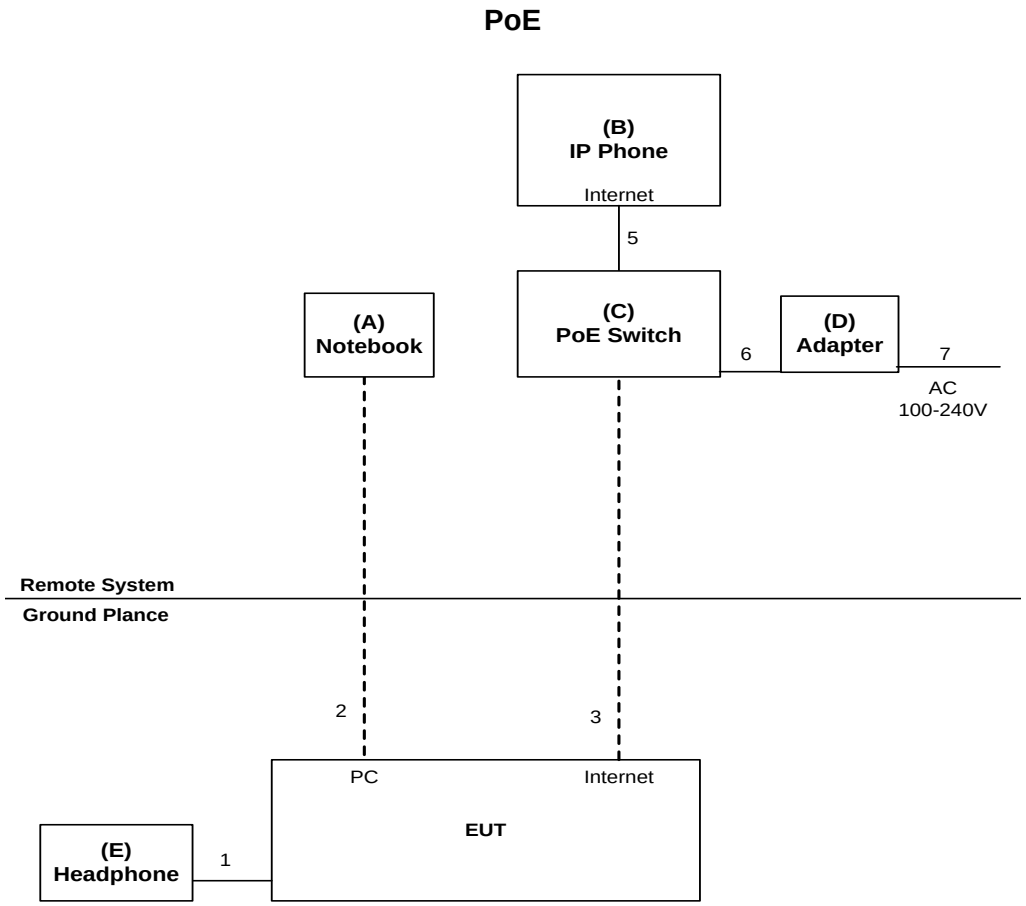
For Radiated Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset
Mode 3	Headphone

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

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	Lenovo	G40	DOC	YB09261386
B	IP Phone	Fanvil	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

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Measurement Software	Farad	EZ-EMC Ver.NB-03A 1-01	N/A	N/A
2	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 26, 2018
3	TWO-LINE V-NETWORK	R&S	ENV216	100526	Mar. 26, 2018
4	EMI Test Receiver	R&S	ESR3	101862	Sep. 04, 2017
5	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Sep. 04, 2017
6	Cable	N/A	RG400 12m	N/A	Mar. 07, 2018

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

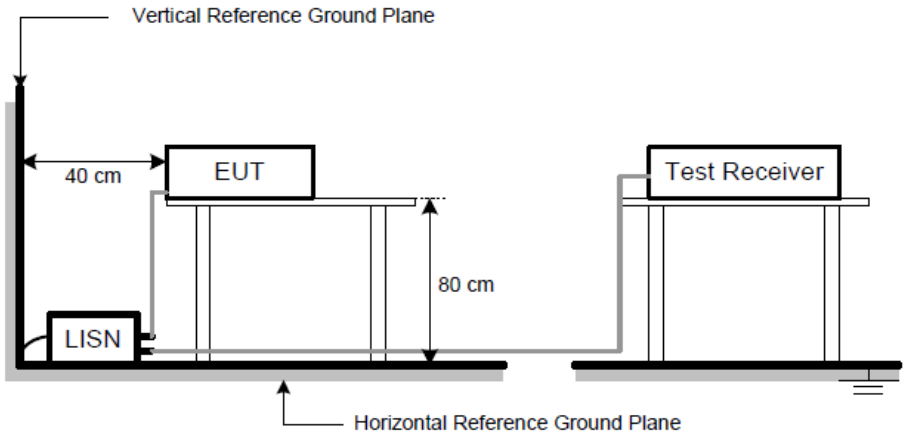
4.1.3 TEST PROCEDURE

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

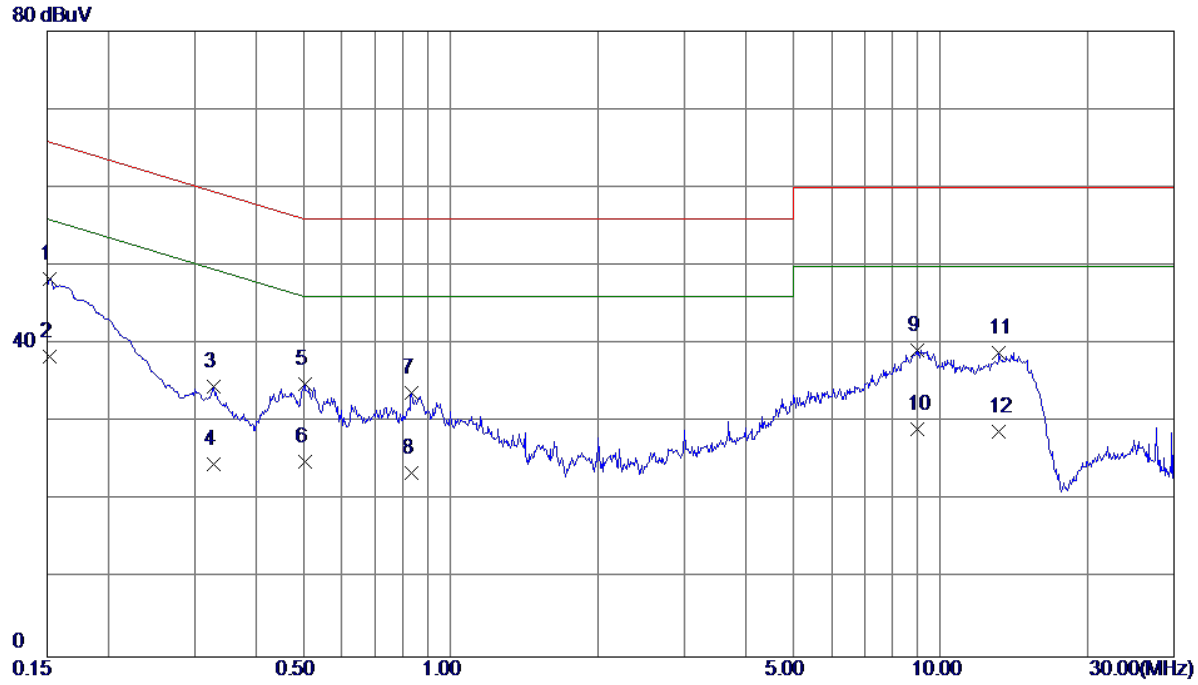


4.1.6 TEST RESULTS

Remark

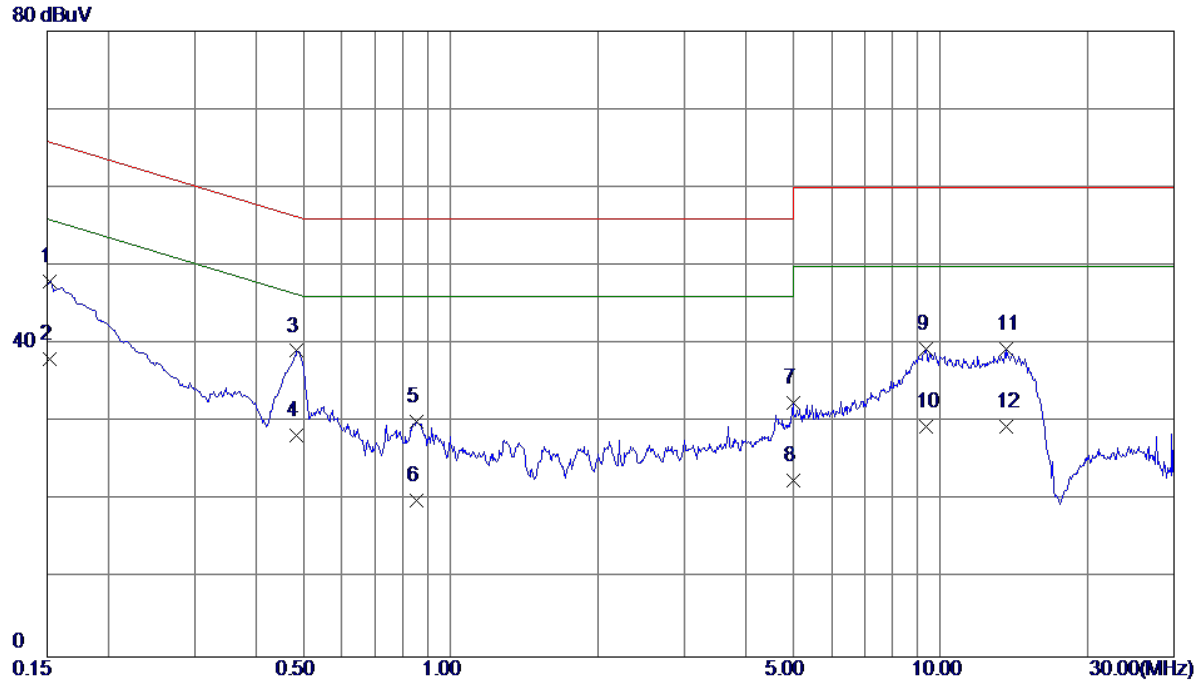
(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 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	X5S
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



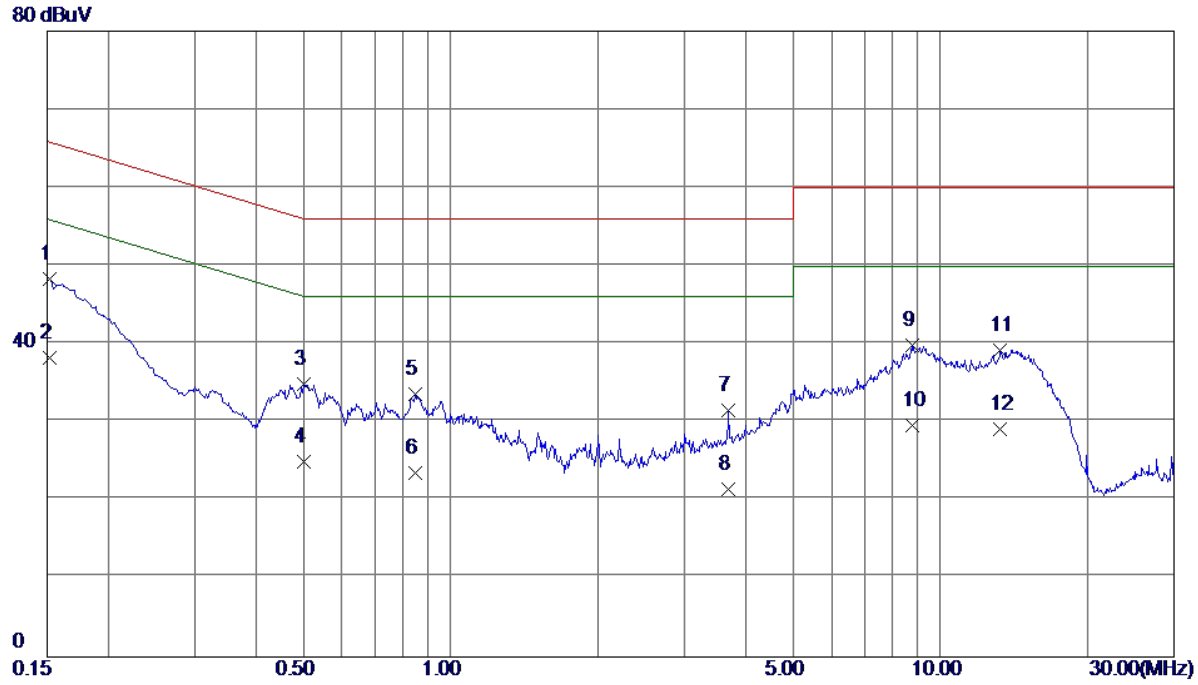
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.69	9.67	48.36	65.88	-17.52	QP
2 *	0.1522	28.70	9.67	38.37	55.88	-17.51	AVG
3	0.3277	24.87	9.70	34.57	59.51	-24.94	QP
4	0.3277	14.90	9.70	24.60	49.51	-24.91	AVG
5	0.5032	25.16	9.74	34.90	56.00	-21.10	QP
6	0.5032	15.20	9.74	24.94	46.00	-21.06	AVG
7	0.8317	23.96	9.75	33.71	56.00	-22.29	QP
8	0.8317	13.80	9.75	23.55	46.00	-22.45	AVG
9	8.9880	28.95	10.26	39.21	60.00	-20.79	QP
10	8.9880	18.80	10.26	29.06	50.00	-20.94	AVG
11	13.1842	28.48	10.41	38.89	60.00	-21.11	QP
12	13.1842	18.39	10.41	28.80	50.00	-21.20	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



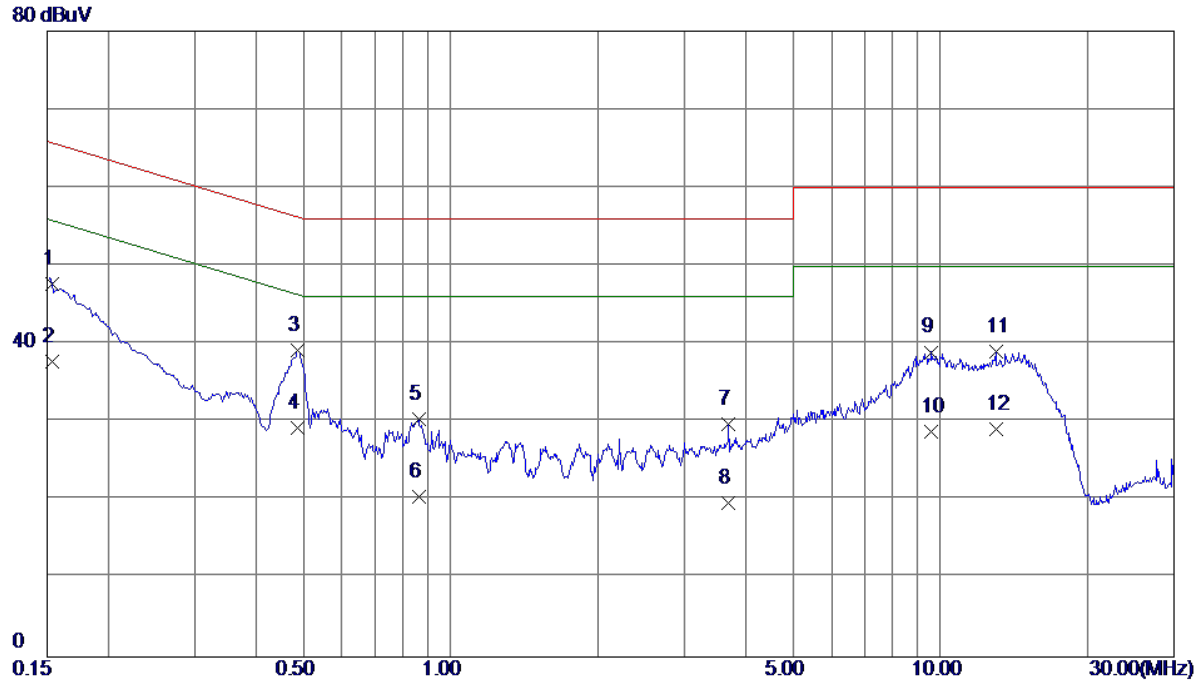
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.37	9.66	48.03	65.88	-17.85	QP
2	0.1522	28.40	9.66	38.06	55.88	-17.82	AVG
3 *	0.4852	29.40	9.72	39.12	56.25	-17.13	QP
4	0.4852	18.66	9.72	28.38	46.25	-17.87	AVG
5	0.8497	20.31	9.74	30.05	56.00	-25.95	QP
6	0.8497	10.20	9.74	19.94	46.00	-26.06	AVG
7	5.0010	22.48	10.02	32.50	60.00	-27.50	QP
8	5.0010	12.50	10.02	22.52	50.00	-27.48	AVG
9	9.3413	29.03	10.31	39.34	60.00	-20.66	QP
10	9.3413	19.10	10.31	29.41	50.00	-20.59	AVG
11	13.6455	28.84	10.50	39.34	60.00	-20.66	QP
12	13.6455	18.90	10.50	29.40	50.00	-20.60	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



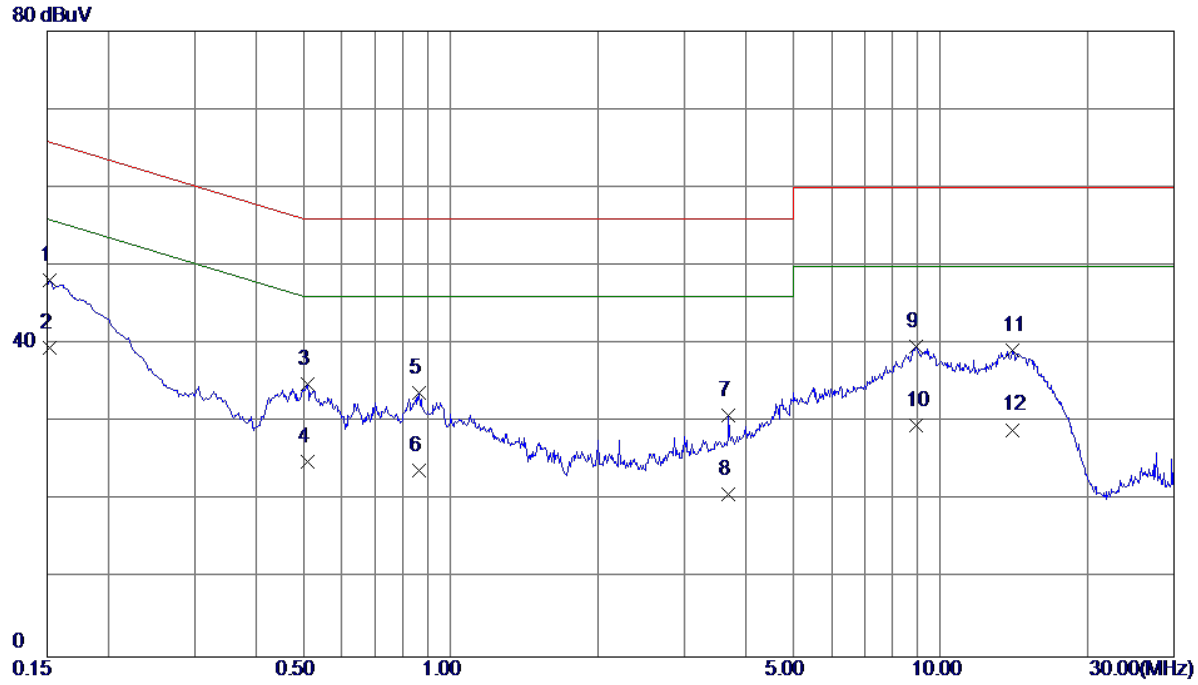
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1 *	0.1522	38.60	9.67	48.27	65.88	-17.61	QP
2	0.1522	28.60	9.67	38.27	55.88	-17.61	AVG
3	0.5010	25.11	9.74	34.85	56.00	-21.15	QP
4	0.5010	15.20	9.74	24.94	46.00	-21.06	AVG
5	0.8452	23.83	9.75	33.58	56.00	-22.42	QP
6	0.8452	13.80	9.75	23.55	46.00	-22.45	AVG
7	3.6848	21.64	9.95	31.59	56.00	-24.41	QP
8	3.6848	11.50	9.95	21.45	46.00	-24.55	AVG
9	8.7765	29.64	10.25	39.89	60.00	-20.11	QP
10	8.7765	19.41	10.25	29.66	50.00	-20.34	AVG
11	13.2720	28.83	10.41	39.24	60.00	-20.76	QP
12	13.2720	18.70	10.41	29.11	50.00	-20.89	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



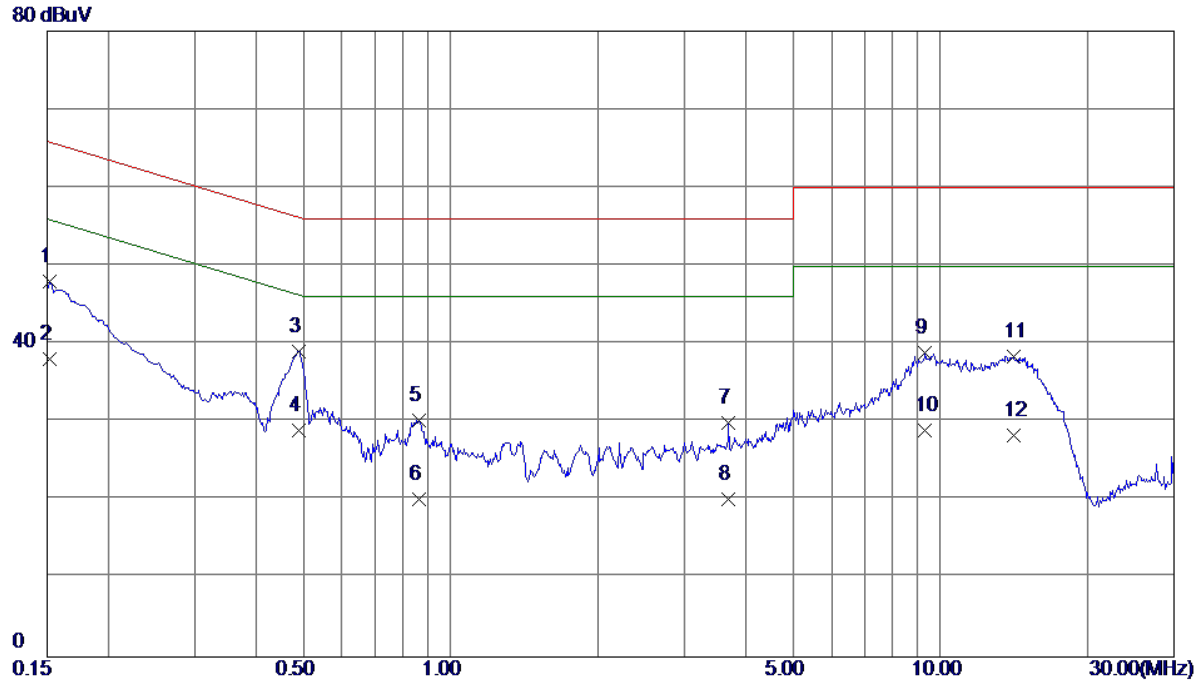
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1532	37.95	9.66	47.61	65.82	-18.21	QP
2	0.1532	28.10	9.66	37.76	55.82	-18.06	AVG
3 *	0.4875	29.53	9.72	39.25	56.21	-16.96	QP
4	0.4875	19.50	9.72	29.22	46.21	-16.99	AVG
5	0.8610	20.61	9.74	30.35	56.00	-25.65	QP
6	0.8610	10.69	9.74	20.43	46.00	-25.57	AVG
7	3.6848	19.77	9.95	29.72	56.00	-26.28	QP
8	3.6848	9.80	9.95	19.75	46.00	-26.25	AVG
9	9.5528	28.64	10.32	38.96	60.00	-21.04	QP
10	9.5528	18.50	10.32	28.82	50.00	-21.18	AVG
11	12.9660	28.62	10.47	39.09	60.00	-20.91	QP
12	12.9660	18.60	10.47	29.07	50.00	-20.93	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.47	9.67	48.14	65.88	-17.74	QP
2 *	0.1522	29.87	9.67	39.54	55.88	-16.34	AVG
3	0.5100	25.15	9.74	34.89	56.00	-21.11	QP
4	0.5100	15.20	9.74	24.94	46.00	-21.06	AVG
5	0.8610	23.95	9.75	33.70	56.00	-22.30	QP
6	0.8610	14.10	9.75	23.85	46.00	-22.15	AVG
7	3.6848	20.96	9.95	30.91	56.00	-25.09	QP
8	3.6848	10.80	9.95	20.75	46.00	-25.25	AVG
9	8.9385	29.40	10.26	39.66	60.00	-20.34	QP
10	8.9385	19.30	10.26	29.56	50.00	-20.44	AVG
11	14.0640	28.82	10.43	39.25	60.00	-20.75	QP
12	14.0640	18.61	10.43	29.04	50.00	-20.96	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	53%
Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1522	38.33	9.66	47.99	65.88	-17.89	QP
2	0.1522	28.40	9.66	38.06	55.88	-17.82	AVG
3 *	0.4897	29.37	9.72	39.09	56.17	-17.08	QP
4	0.4897	19.30	9.72	29.02	46.17	-17.15	AVG
5	0.8632	20.49	9.74	30.23	56.00	-25.77	QP
6	0.8632	10.39	9.74	20.13	46.00	-25.87	AVG
7	3.6848	20.03	9.95	29.98	56.00	-26.02	QP
8	3.6848	10.20	9.95	20.15	46.00	-25.85	AVG
9	9.3075	28.51	10.31	38.82	60.00	-21.18	QP
10	9.3075	18.60	10.31	28.91	50.00	-21.09	AVG
11	14.1338	27.92	10.52	38.44	60.00	-21.56	QP
12	14.1338	17.80	10.52	28.32	50.00	-21.68	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

Up to 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Attenuator	N/A	SA18N-06	6dB	Apr. 14, 2018
2	Attenuator	N/A	SA18N-06	6dB	Apr. 14, 2018
3	Receiver	Keysight	N9038A	MY54450004	Sep. 04, 2017
4	MXE EMI Receiver	Agilent	N9038A	MY53220133	Jun. 20, 2018
5	Pre-Amplifier	Mini-Circuits	EMC 9135	980284	Mar. 26, 2018
6	Pre-Amplifier	Mini-Circuits	EMC 9135	980283	Mar. 26, 2018
7	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Mar. 26, 2018
8	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	Mar. 26, 2018
9	Cable	emci	LMR-400(5m+11m+15m)	N/A	Dec. 27, 2017
10	Cable	emci	LMR-400(5m+8m+15m)	N/A	Dec. 27, 2017
11	Measurement Software	Farad	EZ-EMC Ver.BTL-2A NT-1	N/A	N/A
12	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A

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

Above 1GHz:

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Horn Antenna	EMCO	3115	9605-4803	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02584	Sep. 04, 2017
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	MXE EMI Receiver	Agilent	N9038A	MY53220133	Jun. 20, 2018
6	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A
7	Cable	emci	SUCOFLEX_15m_5m(0.01GHz－26.5GHz)	N/A	Dec. 27, 2017
8	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
9	Controller	MF	MF-7802	MF780208159	N/A
10	Cable	emci	SUCOFLEX 102_8m(0.01GHz－40GHz)	N/A	Mar. 27, 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

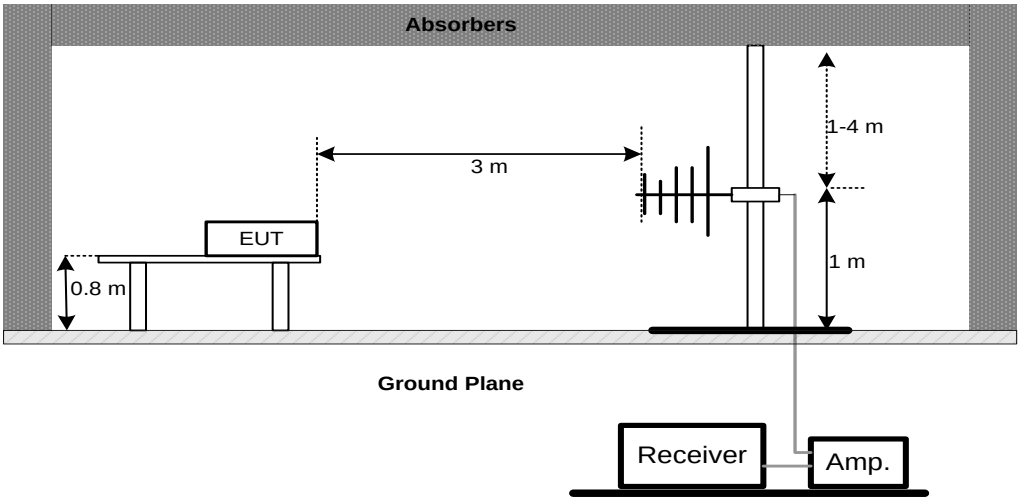
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

4.2.4 DEVIATION FROM TEST STANDARD

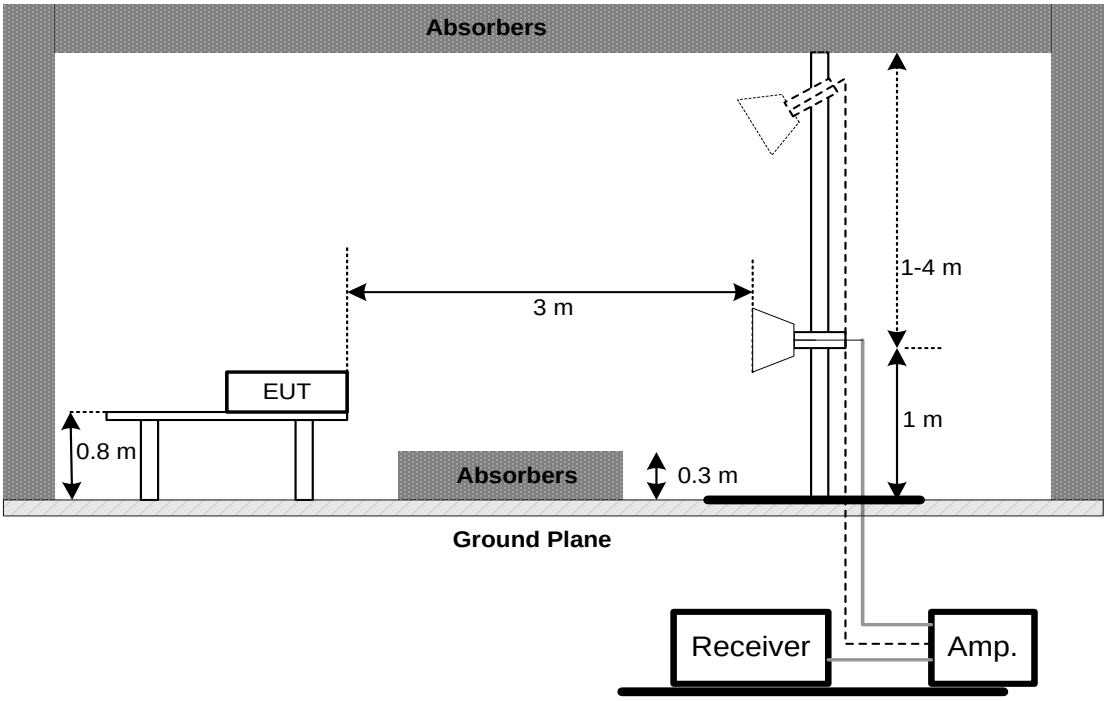
No deviation

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

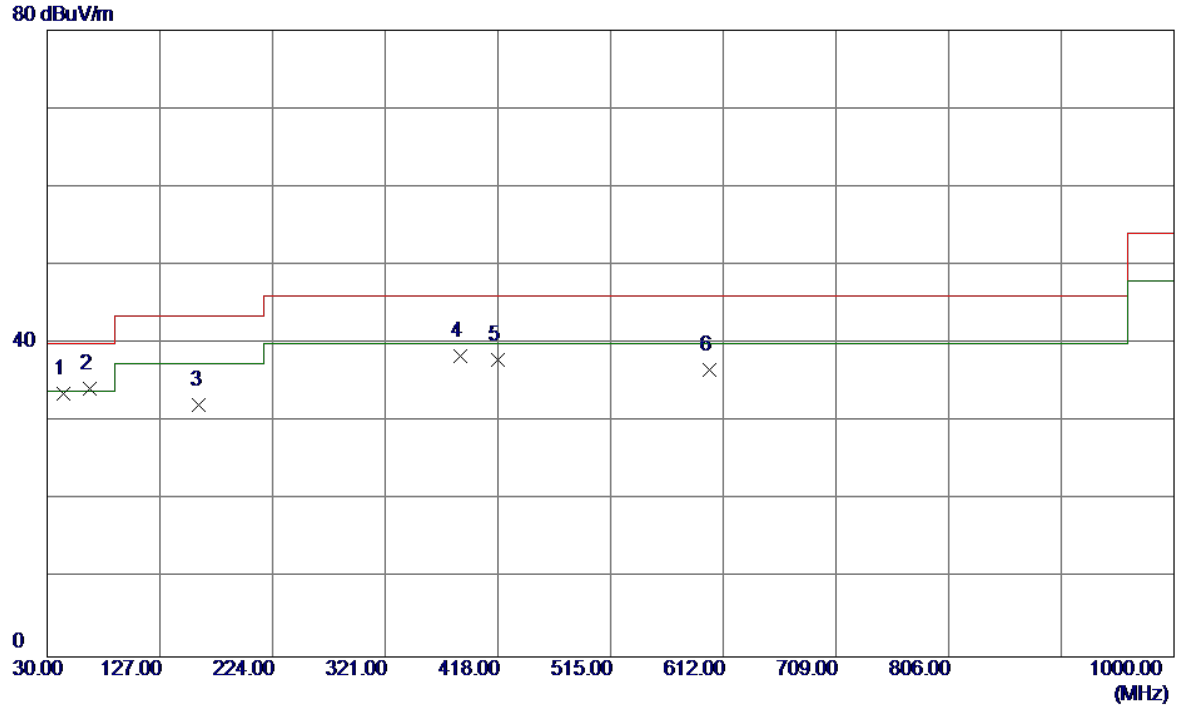
Remark：

(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。

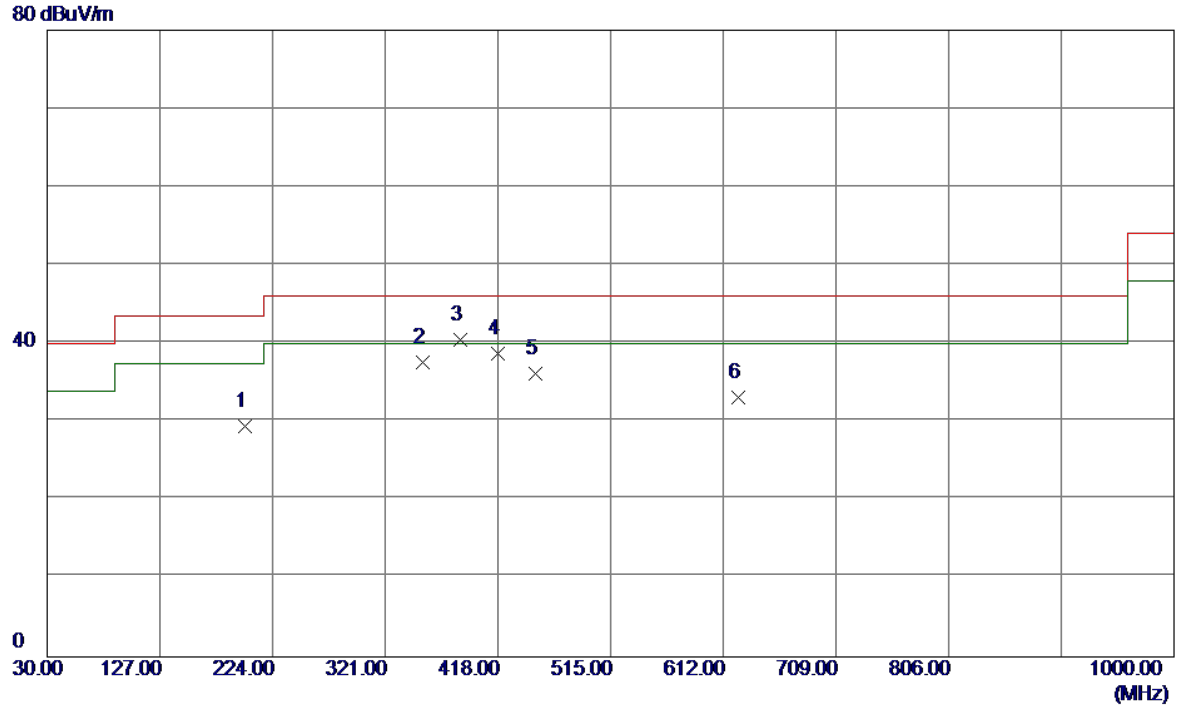
(3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table。

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



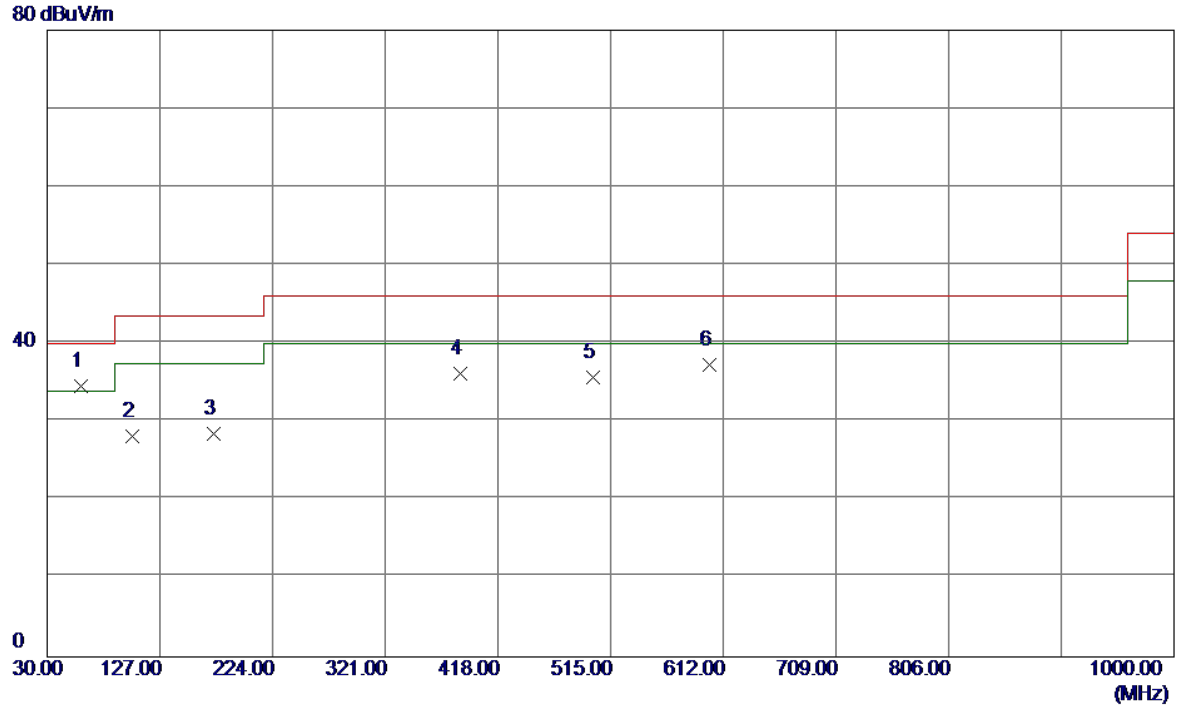
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	43.5800	56.39	-22.82	33.57	40.00	-6.43	QP
2 *	66.3750	57.78	-23.56	34.22	40.00	-5.78	QP
3	160.9500	53.25	-21.16	32.09	43.50	-11.41	QP
4	385.9900	56.14	-17.78	38.36	46.00	-7.64	QP
5	418.0000	54.65	-16.71	37.94	46.00	-8.06	QP
6	599.8750	49.12	-12.51	36.61	46.00	-9.39	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



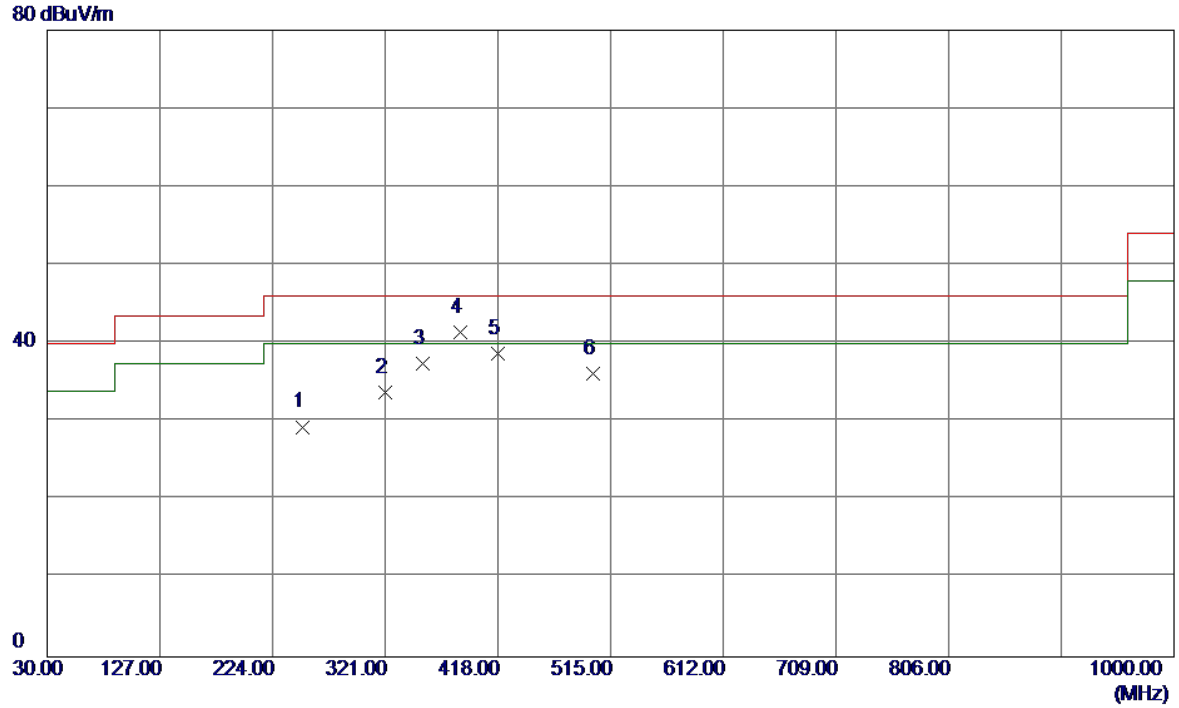
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	200.2350	53.12	-23.73	29.39	43.50	-14.11	QP
2	353.4950	56.36	-18.72	37.64	46.00	-8.36	QP
3 *	385.9900	58.23	-17.78	40.45	46.00	-5.55	QP
4	418.0000	55.44	-16.71	38.73	46.00	-7.27	QP
5	450.0100	51.69	-15.54	36.15	46.00	-9.85	QP
6	625.0949	45.22	-12.16	33.06	46.00	-12.94	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		



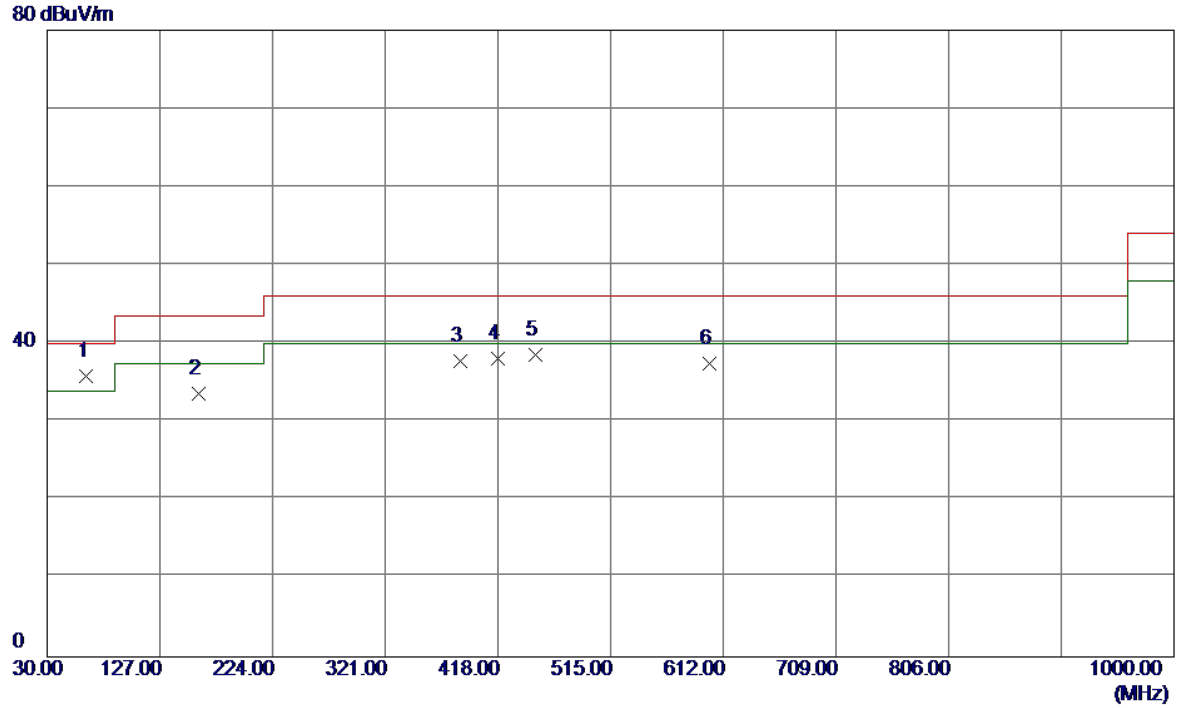
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	58.6150	57.07	-22.55	34.52	40.00	-5.48	QP
2	103.7200	53.86	-25.63	28.23	43.50	-15.27	QP
3	173.5600	50.46	-21.99	28.47	43.50	-15.03	QP
4	385.5050	53.96	-17.79	36.17	46.00	-9.83	QP
5	499.9650	50.33	-14.61	35.72	46.00	-10.28	QP
6	599.8750	49.79	-12.51	37.28	46.00	-8.72	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		



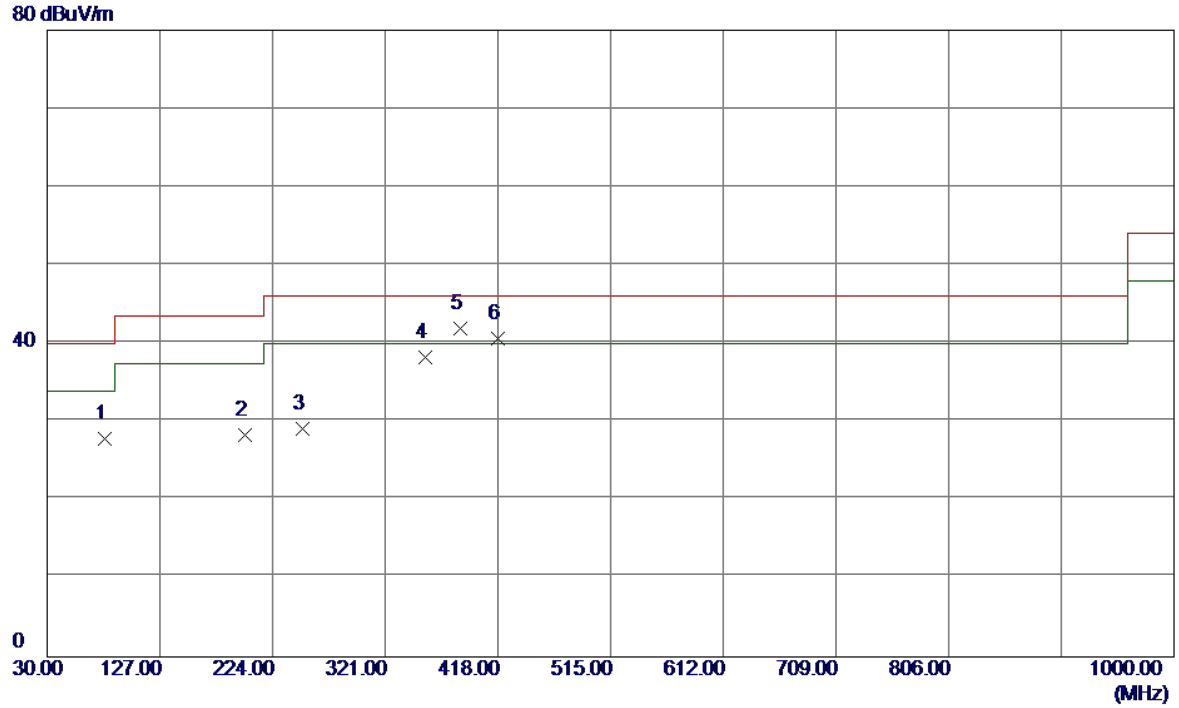
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	250.1900	51.15	-21.79	29.36	46.00	-16.64	QP
2	321.4849	53.20	-19.42	33.78	46.00	-12.22	QP
3	353.4950	56.20	-18.72	37.48	46.00	-8.52	QP
4 *	385.9900	59.25	-17.78	41.47	46.00	-4.53	QP
5	418.0000	55.46	-16.71	38.75	46.00	-7.25	QP
6	499.9650	50.74	-14.61	36.13	46.00	-9.87	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



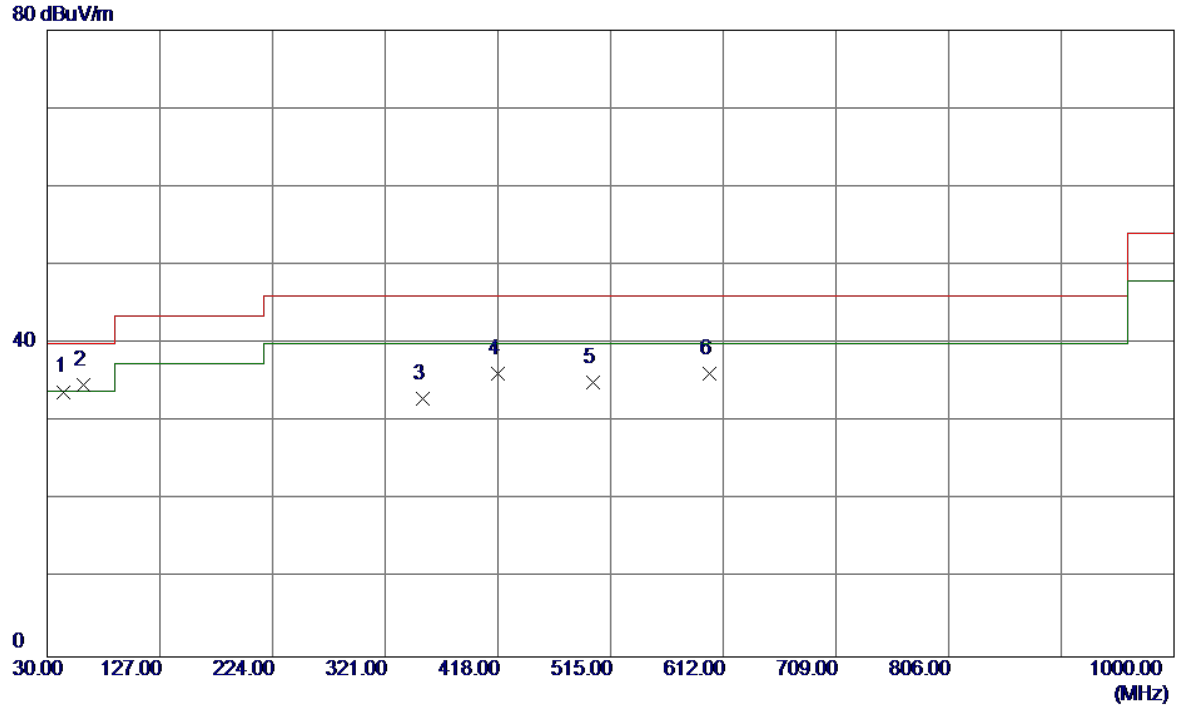
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	63.9500	58.97	-23.20	35.77	40.00	-4.23	QP
2	160.4650	54.72	-21.13	33.59	43.50	-9.91	QP
3	385.9900	55.52	-17.78	37.74	46.00	-8.26	QP
4	418.0000	54.72	-16.71	38.01	46.00	-7.99	QP
5	450.0100	54.07	-15.54	38.53	46.00	-7.47	QP
6	599.8750	50.01	-12.51	37.50	46.00	-8.50	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



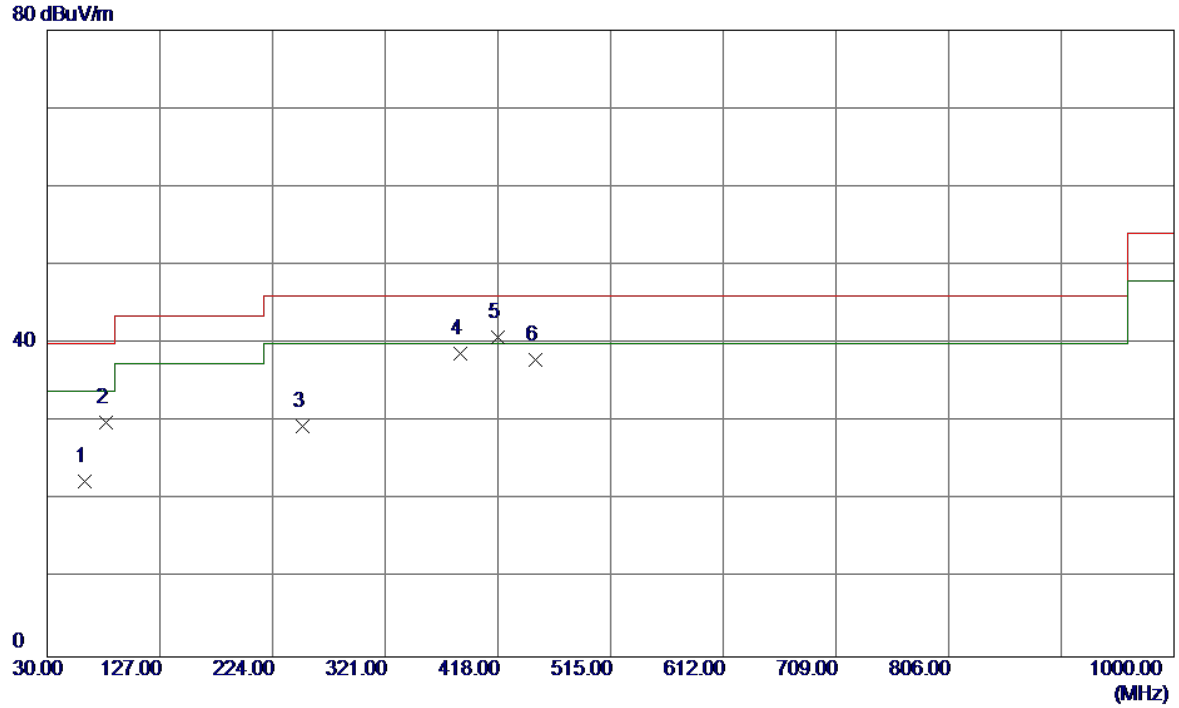
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	79.4700	53.77	-25.92	27.85	40.00	-12.15	QP
2	200.2350	52.07	-23.73	28.34	43.50	-15.16	QP
3	250.1900	50.86	-21.79	29.07	46.00	-16.93	QP
4	355.9200	56.85	-18.65	38.20	46.00	-7.80	QP
5 *	385.5050	59.78	-17.79	41.99	46.00	-4.01	QP
6	418.0000	57.39	-16.71	40.68	46.00	-5.32	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		



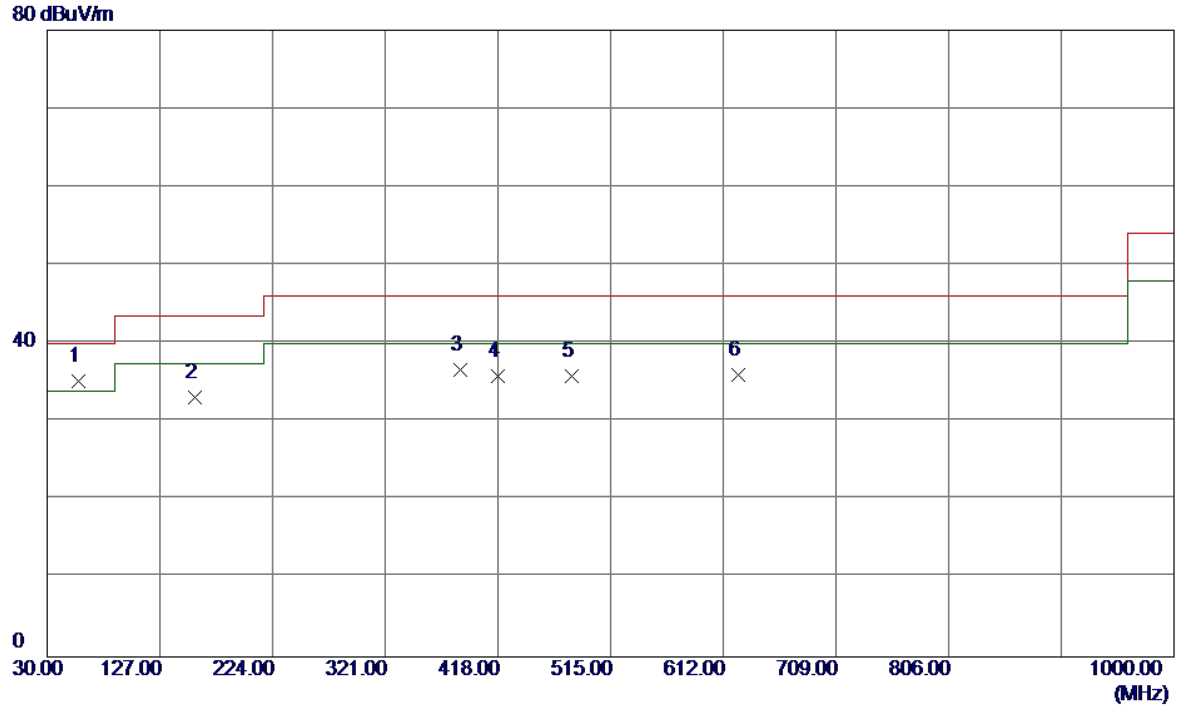
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	44.5500	56.52	-22.68	33.84	40.00	-6.16	QP
2 *	61.5250	57.59	-22.83	34.76	40.00	-5.24	QP
3	353.4950	51.67	-18.72	32.95	46.00	-13.05	QP
4	418.0000	52.92	-16.71	36.21	46.00	-9.79	QP
5	499.9650	49.59	-14.61	34.98	46.00	-11.02	QP
6	599.8750	48.74	-12.51	36.23	46.00	-9.77	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		



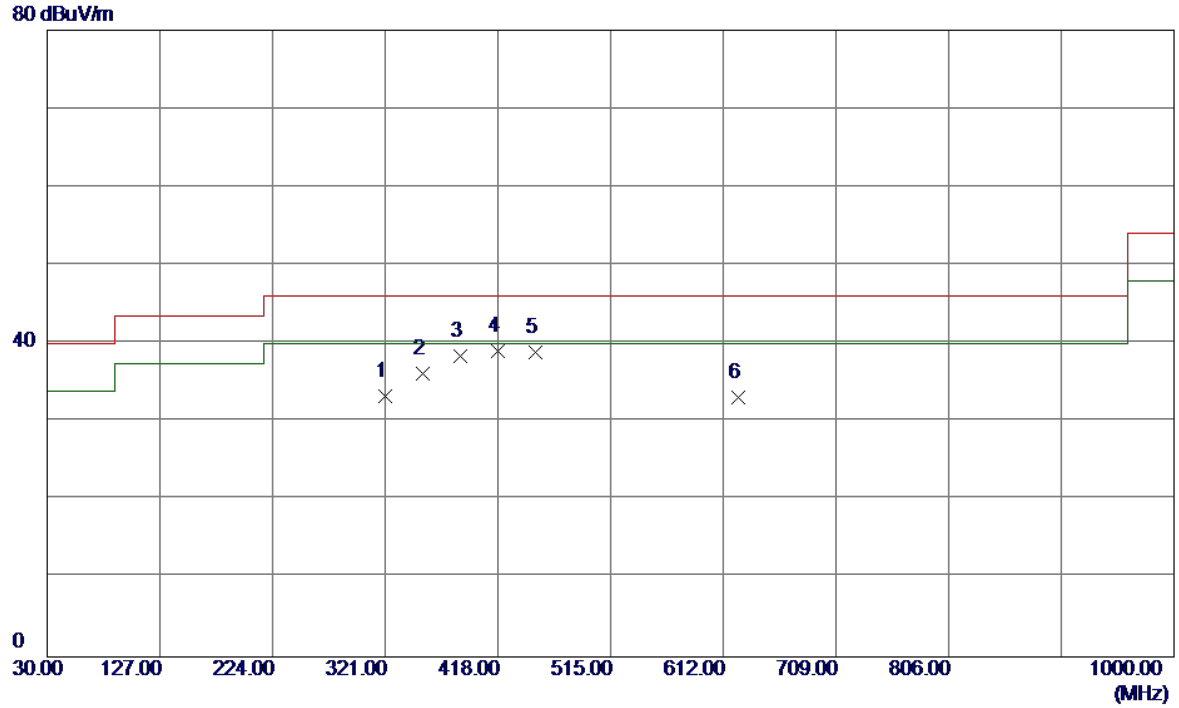
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	62.4950	45.39	-22.98	22.41	40.00	-17.59	QP
2	80.4400	56.03	-26.08	29.95	40.00	-10.05	QP
3	250.1900	51.27	-21.79	29.48	46.00	-16.52	QP
4	385.9900	56.56	-17.78	38.78	46.00	-7.22	QP
5 *	418.0000	57.52	-16.71	40.81	46.00	-5.19	QP
6	450.0100	53.39	-15.54	37.85	46.00	-8.15	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



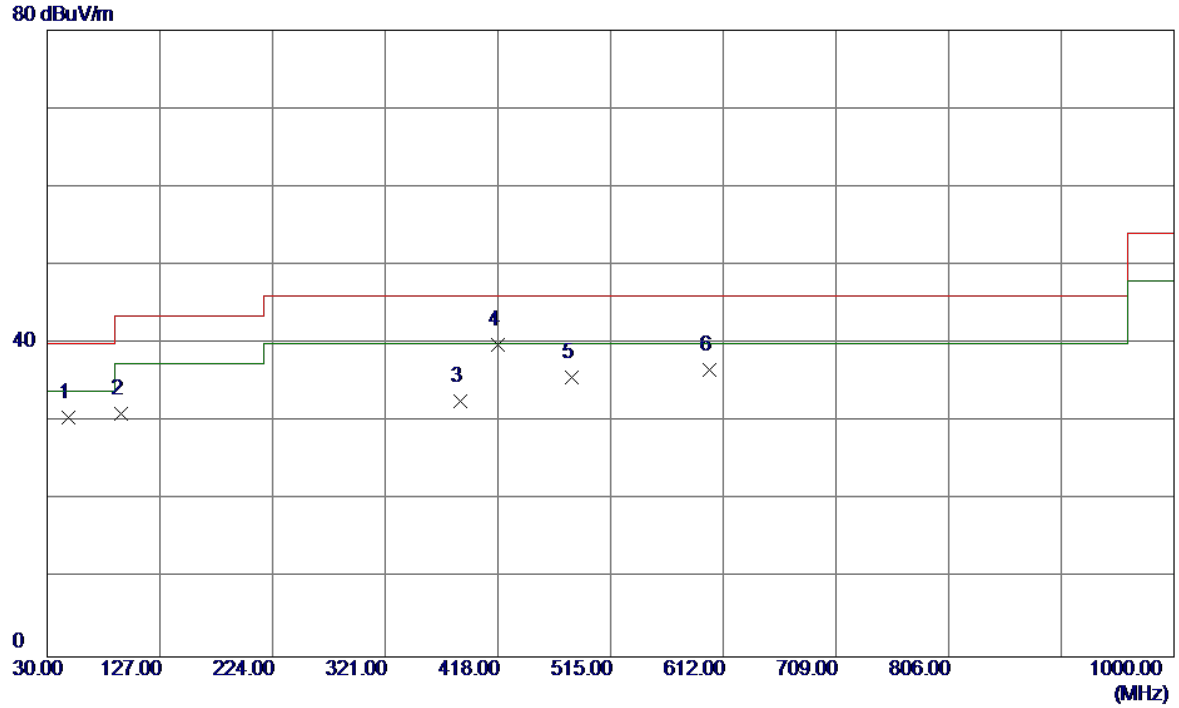
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	57.1600	57.68	-22.49	35.19	40.00	-4.81	QP
2	157.0700	54.22	-21.16	33.06	43.50	-10.44	QP
3	385.5050	54.44	-17.79	36.65	46.00	-9.35	QP
4	418.0000	52.52	-16.71	35.81	46.00	-10.19	QP
5	482.0200	50.79	-14.94	35.85	46.00	-10.15	QP
6	625.0949	48.18	-12.16	36.02	46.00	-9.98	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



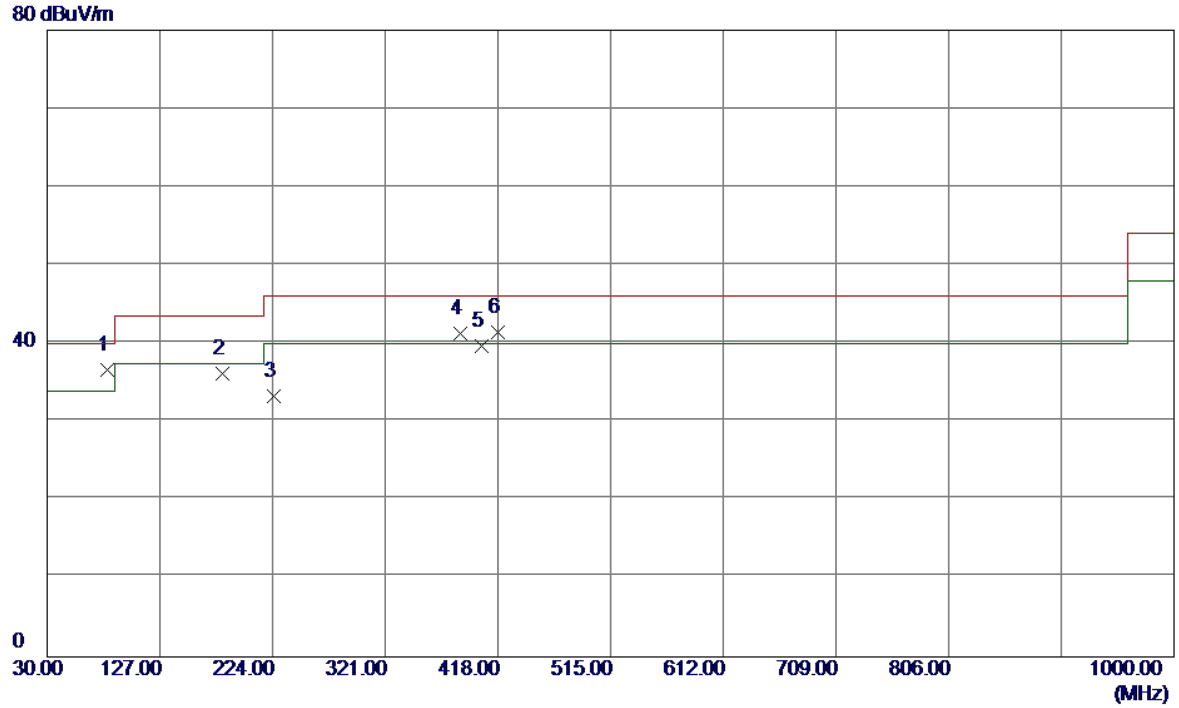
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	321.4849	52.65	-19.42	33.23	46.00	-12.77	QP
2	353.4950	54.92	-18.72	36.20	46.00	-9.80	QP
3	385.9900	56.21	-17.78	38.43	46.00	-7.57	QP
4 *	418.0000	55.69	-16.71	38.98	46.00	-7.02	QP
5	450.0100	54.37	-15.54	38.83	46.00	-7.17	QP
6	625.0949	45.31	-12.16	33.15	46.00	-12.85	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	48.4300	52.88	-22.34	30.54	40.00	-9.46	QP
2	93.5350	58.08	-27.00	31.08	43.50	-12.42	QP
3	385.9900	50.39	-17.78	32.61	46.00	-13.39	QP
4 *	418.0000	56.52	-16.71	39.81	46.00	-6.19	QP
5	482.0200	50.60	-14.94	35.66	46.00	-10.34	QP
6	599.8750	49.08	-12.51	36.57	46.00	-9.43	QP

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		



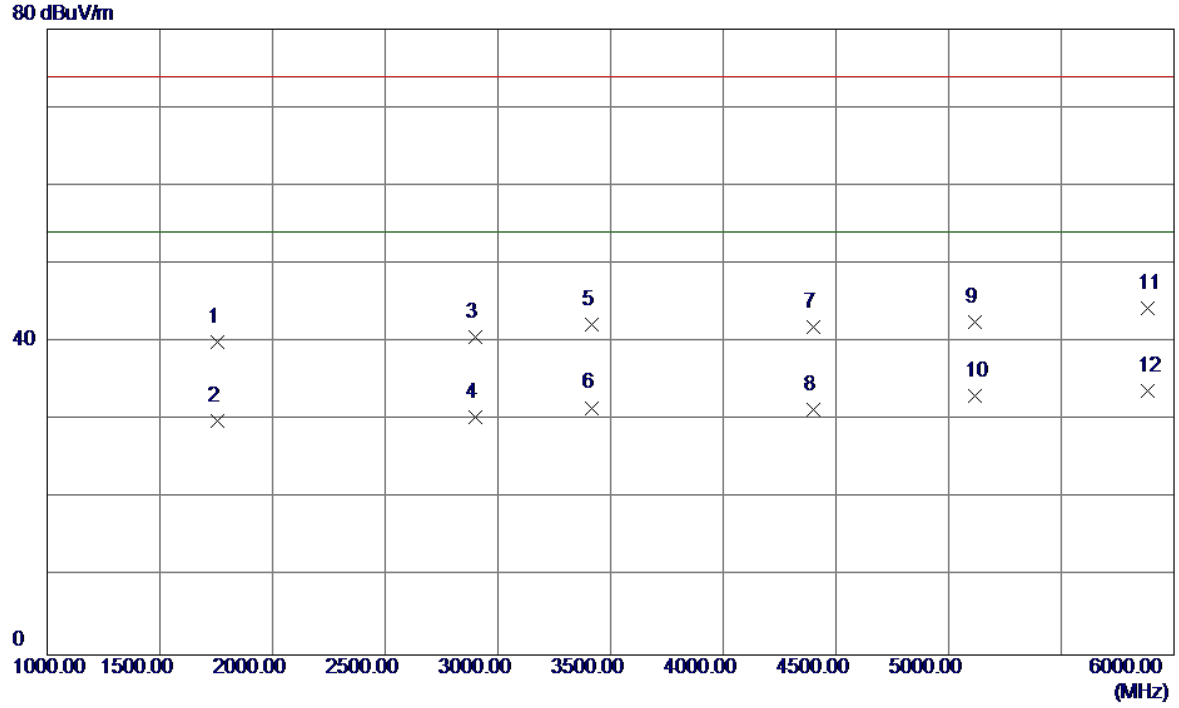
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	81.4100	62.80	-26.22	36.58	40.00	-3.42	QP
2	181.3200	58.89	-22.69	36.20	43.50	-7.30	QP
3	224.9700	56.96	-23.66	33.30	46.00	-12.70	QP
4	385.5050	59.05	-17.79	41.26	46.00	-4.74	QP
5	404.4200	56.86	-17.21	39.65	46.00	-6.35	QP
6	418.0000	58.08	-16.71	41.37	46.00	-4.63	QP

4.2.7 TEST RESULTS-ABOVE 1GHZ

Remark：

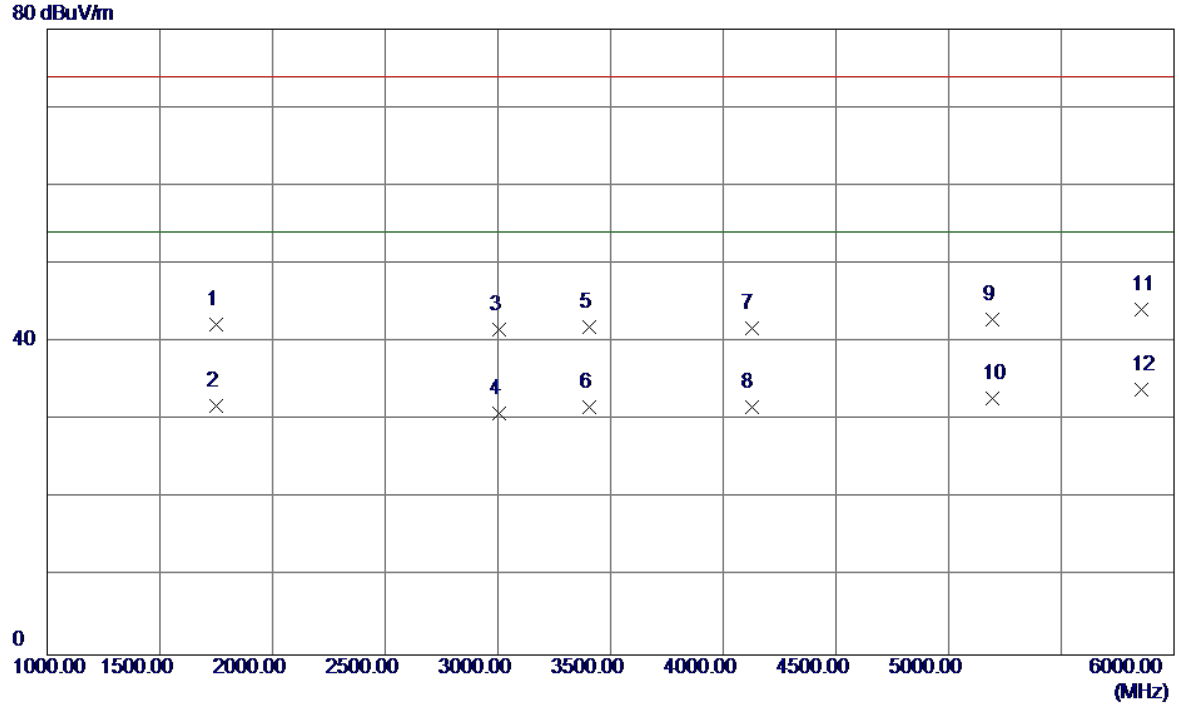
(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode 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	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



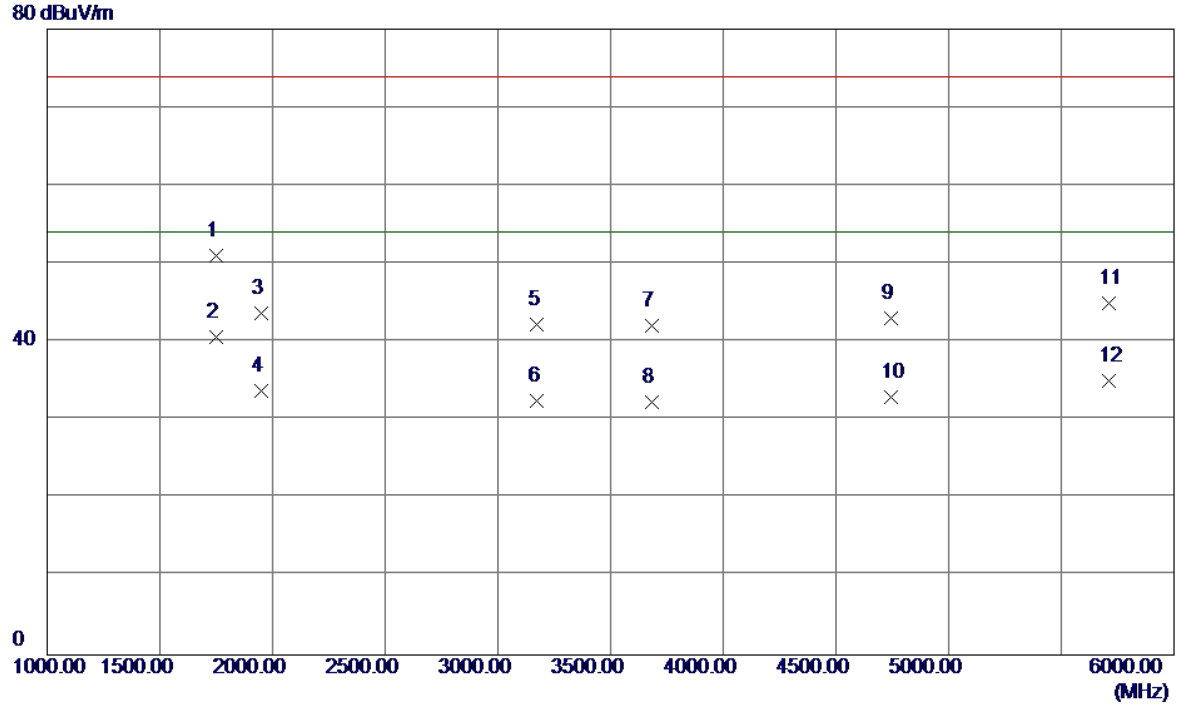
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1757.5000	42.65	-2.65	40.00	74.00	-34.00	Peak
2	1757.5000	32.56	-2.65	29.91	54.00	-24.09	AVG
3	2900.0000	37.58	3.13	40.71	74.00	-33.29	Peak
4	2900.0000	27.26	3.13	30.39	54.00	-23.61	AVG
5	3417.5000	37.73	4.50	42.23	74.00	-31.77	Peak
6	3417.5000	27.10	4.50	31.60	54.00	-22.40	AVG
7	4397.5000	35.85	6.01	41.86	74.00	-32.14	Peak
8	4397.5000	25.37	6.01	31.38	54.00	-22.62	AVG
9	5115.0000	35.07	7.45	42.52	74.00	-31.48	Peak
10	5115.0000	25.62	7.45	33.07	54.00	-20.93	AVG
11	5885.0000	33.94	10.37	44.31	74.00	-29.69	Peak
12 *	5885.0000	23.45	10.37	33.82	54.00	-20.18	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handfree		
Note	Adapter		
Test Engineer	Jason Yang		



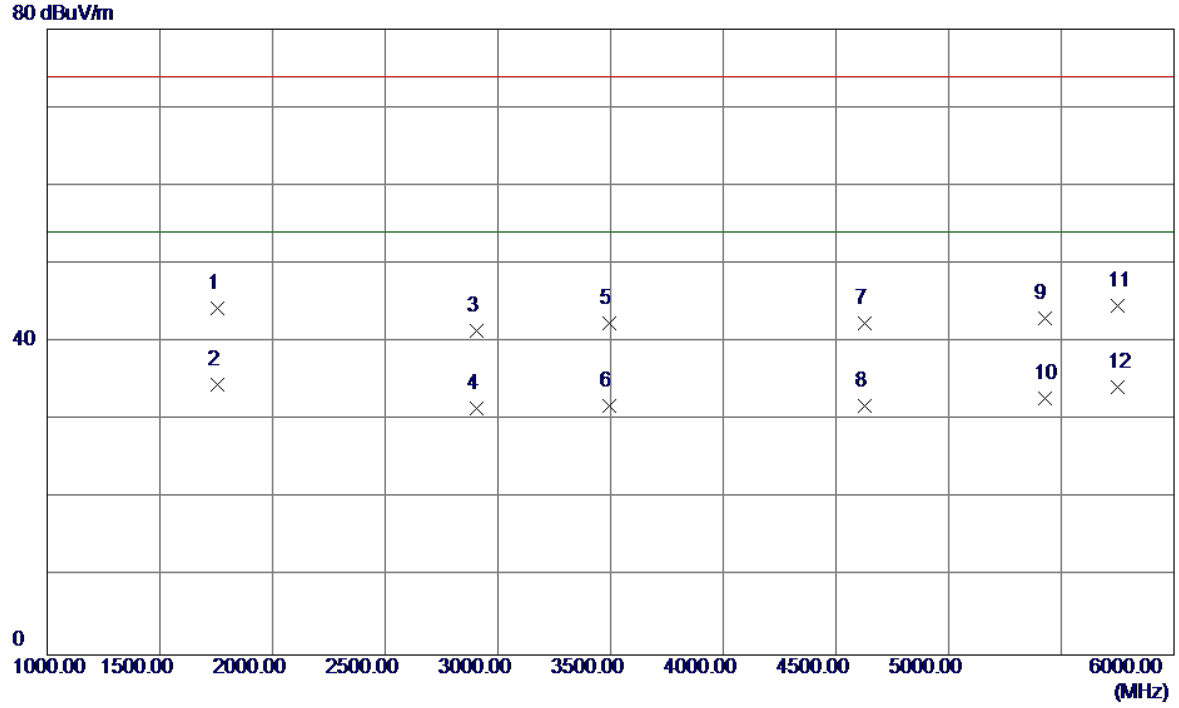
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1750.0000	44.96	-2.67	42.29	74.00	-31.71	Peak
2	1750.0000	34.56	-2.67	31.89	54.00	-22.11	AVG
3	3007.5000	37.85	3.71	41.56	74.00	-32.44	Peak
4	3007.5000	27.22	3.71	30.93	54.00	-23.07	AVG
5	3405.0000	37.47	4.47	41.94	74.00	-32.06	Peak
6	3405.0000	27.21	4.47	31.68	54.00	-22.32	AVG
7	4125.0000	36.35	5.40	41.75	74.00	-32.25	Peak
8	4125.0000	26.32	5.40	31.72	54.00	-22.28	AVG
9	5192.5000	35.12	7.72	42.84	74.00	-31.16	Peak
10	5192.5000	25.12	7.72	32.84	54.00	-21.16	AVG
11	5857.5000	33.90	10.26	44.16	74.00	-29.84	Peak
12 *	5857.5000	23.63	10.26	33.89	54.00	-20.11	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		



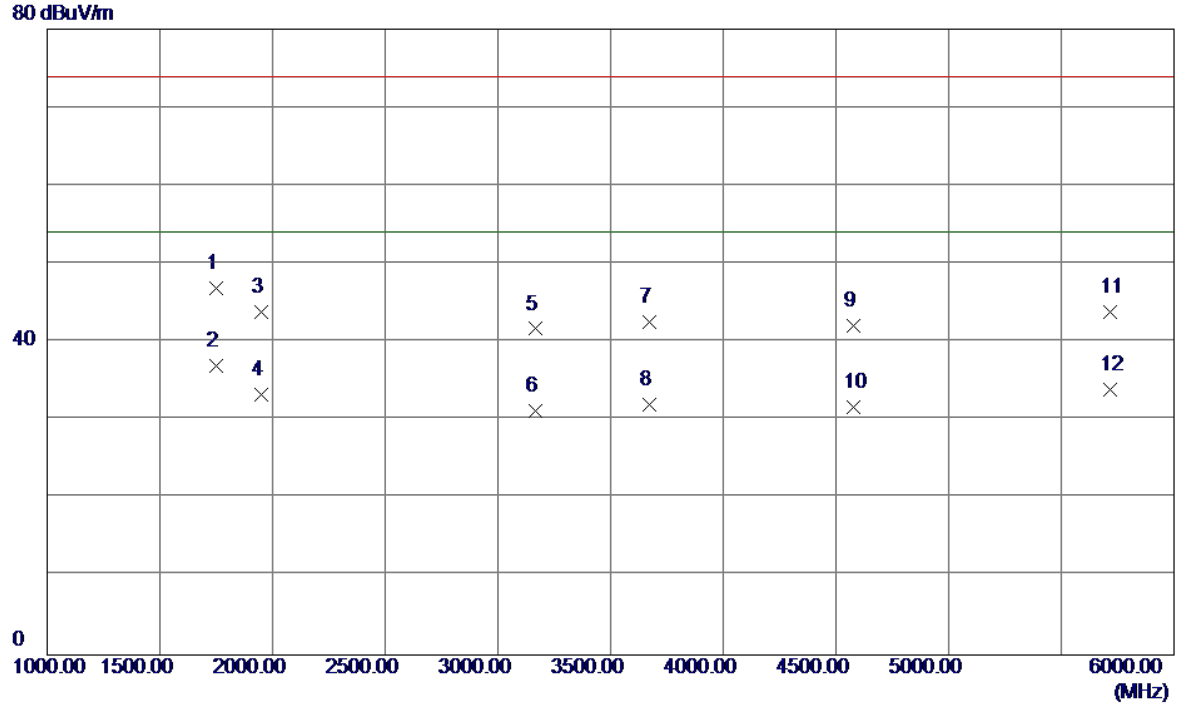
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1747.5000	53.73	-2.68	51.05	74.00	-22.95	Peak
2 *	1747.5000	43.27	-2.68	40.59	54.00	-13.41	AVG
3	1952.5000	45.66	-1.93	43.73	74.00	-30.27	Peak
4	1952.5000	35.62	-1.93	33.69	54.00	-20.31	AVG
5	3175.0000	38.25	4.03	42.28	74.00	-31.72	Peak
6	3175.0000	28.45	4.03	32.48	54.00	-21.52	AVG
7	3685.0000	37.30	4.83	42.13	74.00	-31.87	Peak
8	3685.0000	27.44	4.83	32.27	54.00	-21.73	AVG
9	4745.0000	36.39	6.63	43.02	74.00	-30.98	Peak
10	4745.0000	26.36	6.63	32.99	54.00	-21.01	AVG
11	5712.5000	35.34	9.68	45.02	74.00	-28.98	Peak
12	5712.5000	25.35	9.68	35.03	54.00	-18.97	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handfree		
Note	PoE		
Test Engineer	Jason Yang		



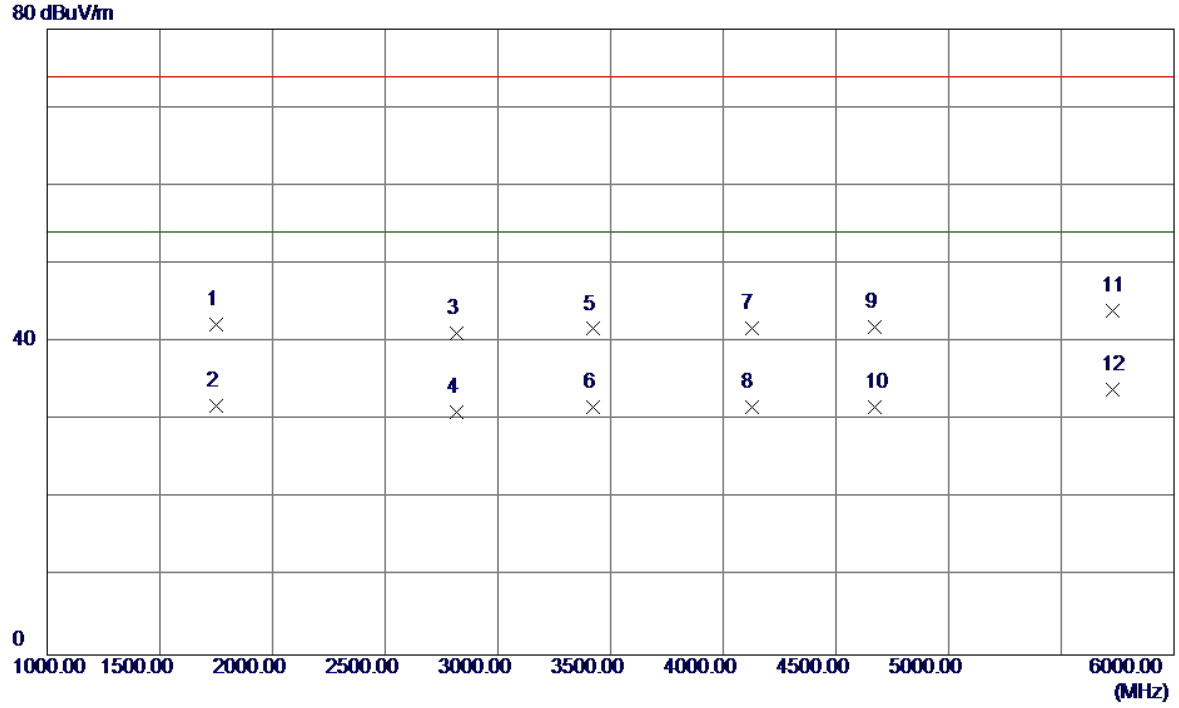
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1757.5000	47.02	-2.65	44.37	74.00	-29.63	Peak
2 *	1757.5000	37.15	-2.65	34.50	54.00	-19.50	AVG
3	2907.5000	38.19	3.18	41.37	74.00	-32.63	Peak
4	2907.5000	28.34	3.18	31.52	54.00	-22.48	AVG
5	3495.0000	37.69	4.65	42.34	74.00	-31.66	Peak
6	3495.0000	27.24	4.65	31.89	54.00	-22.11	AVG
7	4630.0000	35.94	6.45	42.39	74.00	-31.61	Peak
8	4630.0000	25.46	6.45	31.91	54.00	-22.09	AVG
9	5425.0000	34.43	8.55	42.98	74.00	-31.02	Peak
10	5425.0000	24.25	8.55	32.80	54.00	-21.20	AVG
11	5752.5000	34.79	9.84	44.63	74.00	-29.37	Peak
12	5752.5000	24.36	9.84	34.20	54.00	-19.80	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



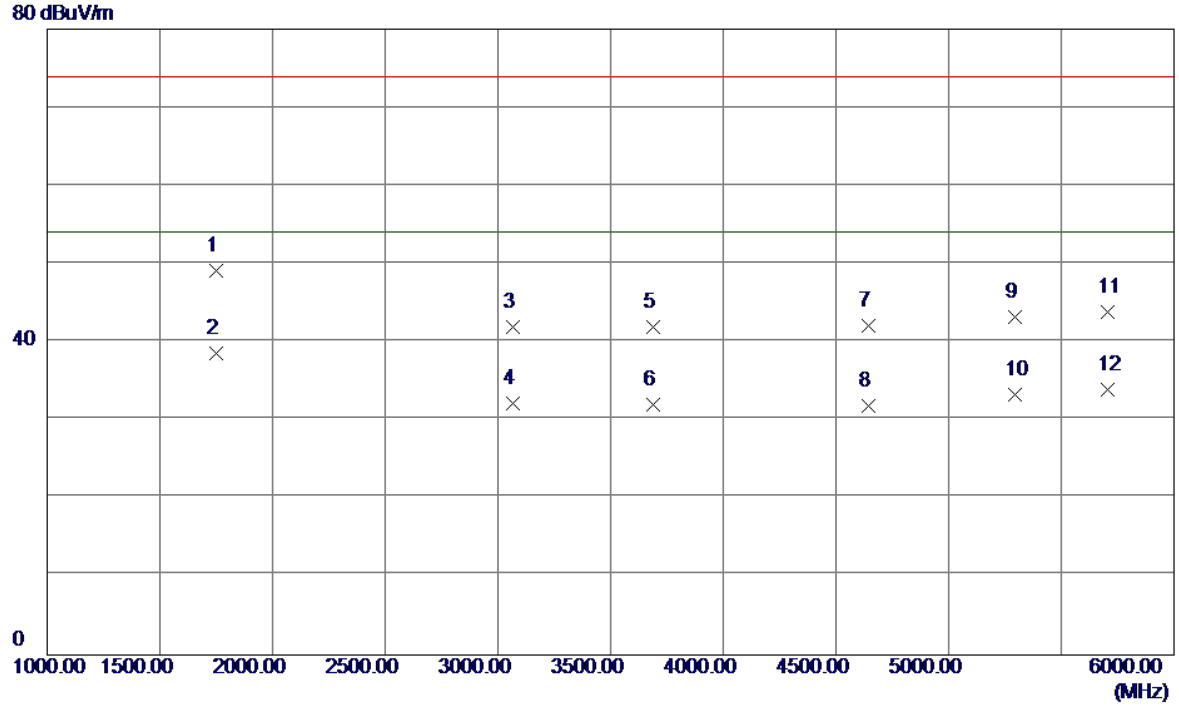
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1752.5000	49.60	-2.66	46.94	74.00	-27.06	Peak
2 *	1752.5000	39.62	-2.66	36.96	54.00	-17.04	AVG
3	1952.5000	45.82	-1.93	43.89	74.00	-30.11	Peak
4	1952.5000	35.21	-1.93	33.28	54.00	-20.72	AVG
5	3165.0000	37.66	4.02	41.68	74.00	-32.32	Peak
6	3165.0000	27.20	4.02	31.22	54.00	-22.78	AVG
7	3672.5000	37.73	4.82	42.55	74.00	-31.45	Peak
8	3672.5000	27.11	4.82	31.93	54.00	-22.07	AVG
9	4580.0000	35.68	6.37	42.05	74.00	-31.95	Peak
10	4580.0000	25.25	6.37	31.62	54.00	-22.38	AVG
11	5715.0000	34.19	9.69	43.88	74.00	-30.12	Peak
12	5715.0000	24.25	9.69	33.94	54.00	-20.06	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Handset		
Note	Adapter		
Test Engineer	Jason Yang		



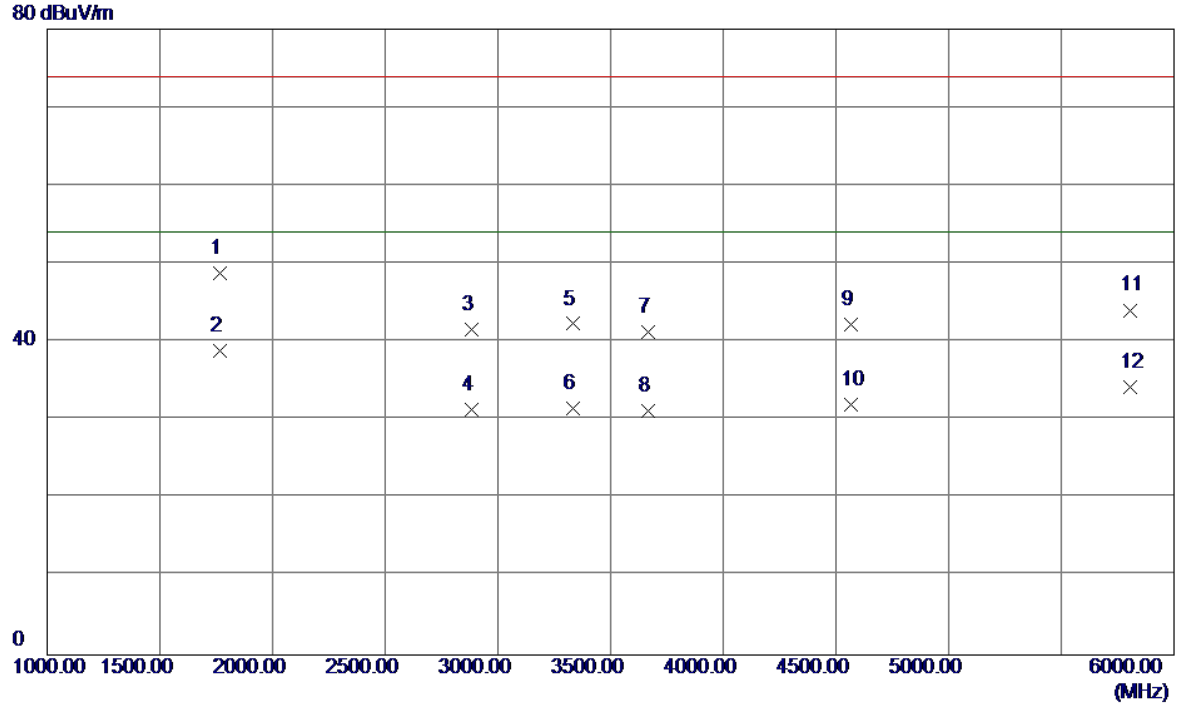
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1750.0000	44.96	-2.67	42.29	74.00	-31.71	Peak
2	1750.0000	34.52	-2.67	31.85	54.00	-22.15	AVG
3	2817.5000	38.47	2.67	41.14	74.00	-32.86	Peak
4	2817.5000	28.32	2.67	30.99	54.00	-23.01	AVG
5	3422.5000	37.17	4.51	41.68	74.00	-32.32	Peak
6	3422.5000	27.14	4.51	31.65	54.00	-22.35	AVG
7	4125.0000	36.35	5.40	41.75	74.00	-32.25	Peak
8	4125.0000	26.23	5.40	31.63	54.00	-22.37	AVG
9	4672.5000	35.39	6.52	41.91	74.00	-32.09	Peak
10	4672.5000	25.15	6.52	31.67	54.00	-22.33	AVG
11	5725.0000	34.27	9.73	44.00	74.00	-30.00	Peak
12 *	5725.0000	24.21	9.73	33.94	54.00	-20.06	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		



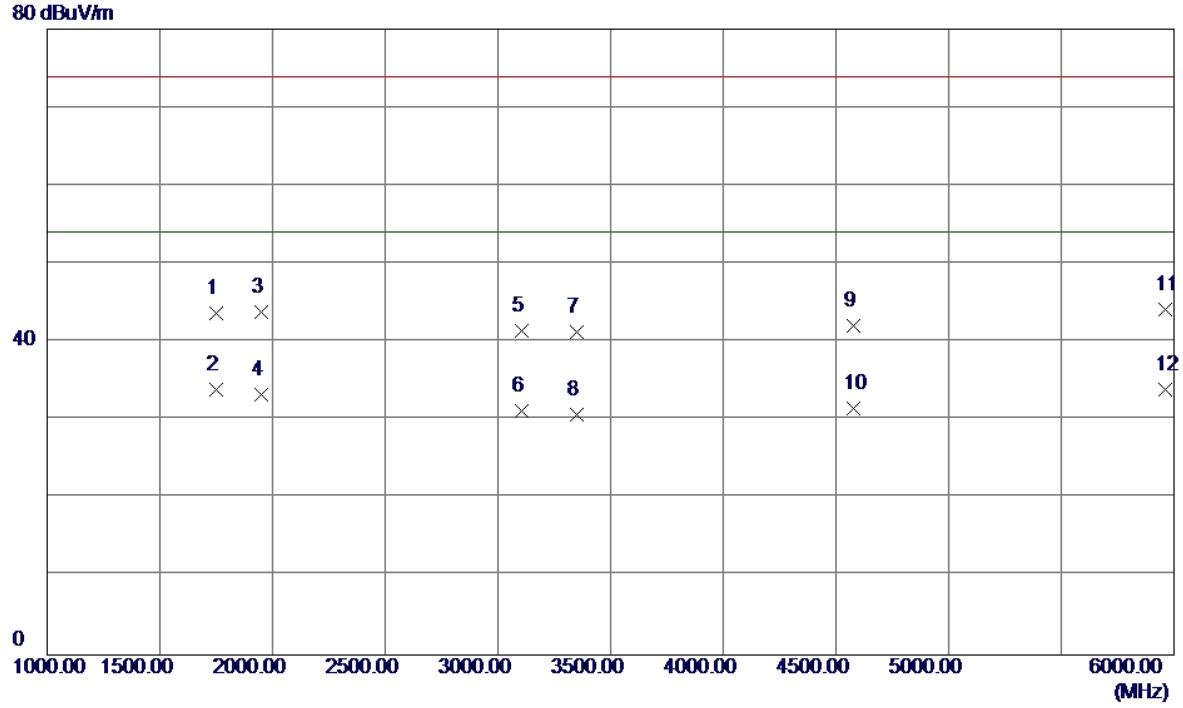
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1747.5000	51.79	-2.68	49.11	74.00	-24.89	Peak
2 *	1747.5000	41.26	-2.68	38.58	54.00	-15.42	AVG
3	3067.5000	38.07	3.83	41.90	74.00	-32.10	Peak
4	3067.5000	28.33	3.83	32.16	54.00	-21.84	AVG
5	3690.0000	37.02	4.83	41.85	74.00	-32.15	Peak
6	3690.0000	27.14	4.83	31.97	54.00	-22.03	AVG
7	4645.0000	35.53	6.48	42.01	74.00	-31.99	Peak
8	4645.0000	25.33	6.48	31.81	54.00	-22.19	AVG
9	5292.5000	35.11	8.08	43.19	74.00	-30.81	Peak
10	5292.5000	25.14	8.08	33.22	54.00	-20.78	AVG
11	5705.0000	34.18	9.65	43.83	74.00	-30.17	Peak
12	5705.0000	24.25	9.65	33.90	54.00	-20.10	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Handset		
Note	PoE		
Test Engineer	Jason Yang		



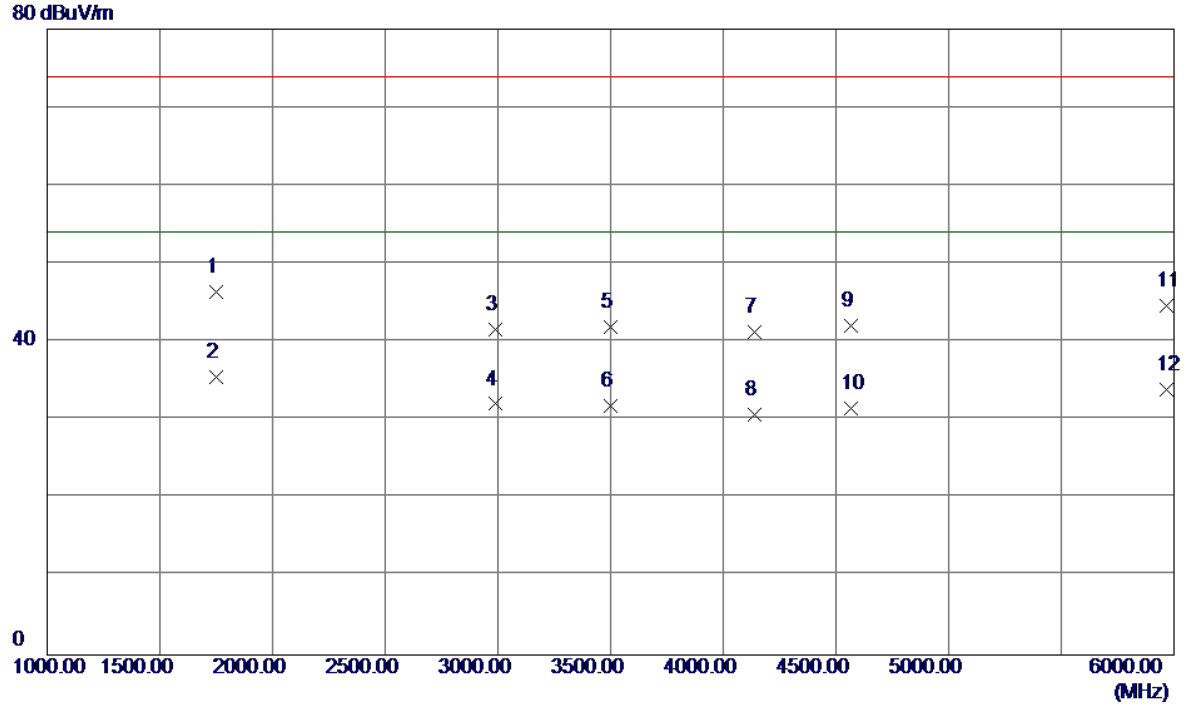
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1765.0000	51.46	-2.62	48.84	74.00	-25.16	Peak
2 *	1765.0000	41.56	-2.62	38.94	54.00	-15.06	AVG
3	2885.0000	38.59	3.05	41.64	74.00	-32.36	Peak
4	2885.0000	28.36	3.05	31.41	54.00	-22.59	AVG
5	3335.0000	37.98	4.34	42.32	74.00	-31.68	Peak
6	3335.0000	27.15	4.34	31.49	54.00	-22.51	AVG
7	3667.5000	36.40	4.81	41.21	74.00	-32.79	Peak
8	3667.5000	26.33	4.81	31.14	54.00	-22.86	AVG
9	4565.0000	35.91	6.35	42.26	74.00	-31.74	Peak
10	4565.0000	25.63	6.35	31.98	54.00	-22.02	AVG
11	5807.5000	34.02	10.06	44.08	74.00	-29.92	Peak
12	5807.5000	24.25	10.06	34.31	54.00	-19.69	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



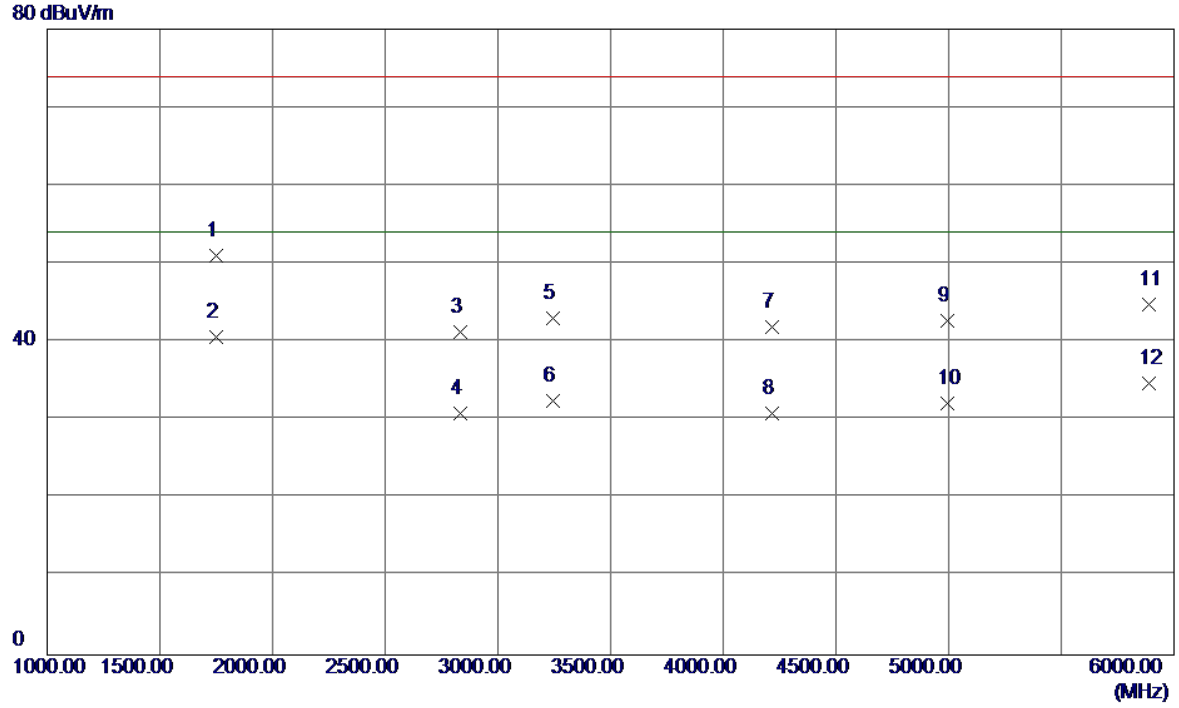
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1747.5000	46.41	-2.68	43.73	74.00	-30.27	Peak
2 *	1747.5000	36.59	-2.68	33.91	54.00	-20.09	AVG
3	1952.5000	45.82	-1.93	43.89	74.00	-30.11	Peak
4	1952.5000	35.25	-1.93	33.32	54.00	-20.68	AVG
5	3107.5000	37.58	3.91	41.49	74.00	-32.51	Peak
6	3107.5000	27.25	3.91	31.16	54.00	-22.84	AVG
7	3347.5000	36.87	4.36	41.23	74.00	-32.77	Peak
8	3347.5000	26.34	4.36	30.70	54.00	-23.30	AVG
9	4580.0000	35.68	6.37	42.05	74.00	-31.95	Peak
10	4580.0000	25.15	6.37	31.52	54.00	-22.48	AVG
11	5960.0000	33.50	10.68	44.18	74.00	-29.82	Peak
12	5960.0000	23.20	10.68	33.88	54.00	-20.12	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Headphone		
Note	Adapter		
Test Engineer	Jason Yang		



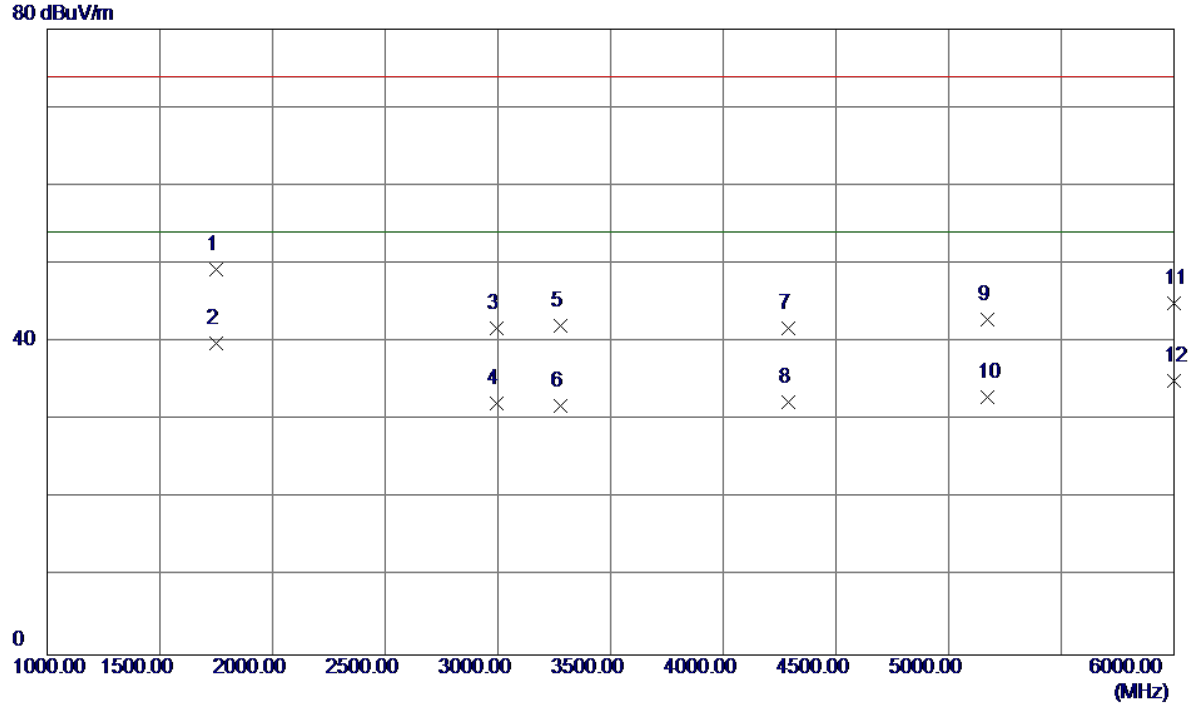
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1747.5000	49.04	-2.68	46.36	74.00	-27.64	Peak
2 *	1747.5000	38.26	-2.68	35.58	54.00	-18.42	AVG
3	2987.5000	38.03	3.63	41.66	74.00	-32.34	Peak
4	2987.5000	28.45	3.63	32.08	54.00	-21.92	AVG
5	3500.0000	37.25	4.66	41.91	74.00	-32.09	Peak
6	3500.0000	27.24	4.66	31.90	54.00	-22.10	AVG
7	4140.0000	35.77	5.44	41.21	74.00	-32.79	Peak
8	4140.0000	25.25	5.44	30.69	54.00	-23.31	AVG
9	4565.0000	35.76	6.35	42.11	74.00	-31.89	Peak
10	4565.0000	25.11	6.35	31.46	54.00	-22.54	AVG
11	5965.0000	33.98	10.70	44.68	74.00	-29.32	Peak
12	5965.0000	23.23	10.70	33.93	54.00	-20.07	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Vertical
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1752.5000	53.69	-2.66	51.03	74.00	-22.97	Peak
2 *	1752.5000	43.25	-2.66	40.59	54.00	-13.41	AVG
3	2835.0000	38.51	2.77	41.28	74.00	-32.72	Peak
4	2835.0000	28.14	2.77	30.91	54.00	-23.09	AVG
5	3242.5000	38.84	4.16	43.00	74.00	-31.00	Peak
6	3242.5000	28.25	4.16	32.41	54.00	-21.59	AVG
7	4215.0000	36.26	5.60	41.86	74.00	-32.14	Peak
8	4215.0000	25.21	5.60	30.81	54.00	-23.19	AVG
9	4995.0000	35.74	7.03	42.77	74.00	-31.23	Peak
10	4995.0000	25.14	7.03	32.17	54.00	-21.83	AVG
11	5890.0000	34.48	10.39	44.87	74.00	-29.13	Peak
12	5890.0000	24.26	10.39	34.65	54.00	-19.35	AVG

EUT	IP Phone	Model Name	X5S
Temperature	25°C	Relative Humidity	60%
Test Voltage	DC 48V	Polarization	Horizontal
Test Mode	Headphone		
Note	PoE		
Test Engineer	Jason Yang		



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	1747.5000	52.02	-2.68	49.34	74.00	-24.66	Peak
2 *	1747.5000	42.54	-2.68	39.86	54.00	-14.14	AVG
3	2995.0000	38.11	3.67	41.78	74.00	-32.22	Peak
4	2995.0000	28.46	3.67	32.13	54.00	-21.87	AVG
5	3277.5000	37.83	4.23	42.06	74.00	-31.94	Peak
6	3277.5000	27.65	4.23	31.88	54.00	-22.12	AVG
7	4290.0000	36.03	5.77	41.80	74.00	-32.20	Peak
8	4290.0000	26.54	5.77	32.31	54.00	-21.69	AVG
9	5172.5000	35.16	7.65	42.81	74.00	-31.19	Peak
10	5172.5000	25.36	7.65	33.01	54.00	-20.99	AVG
11	5997.5000	34.17	10.83	45.00	74.00	-29.00	Peak
12	5997.5000	24.25	10.83	35.08	54.00	-18.92	AVG