FCC Report

Application Purpose	:	Original grant
Applicant Name:	:	INFINIX MOBILITY LIMITED
FCC ID	:	2AIZN- X556
Equipment Type	:	Mobile phone
Model Name	:	X556
Report Number	:	FCC16083919A-4
Standard(S)	:	FCC Part 15 Subpart B
Date Of Receipt	:	August 19, 2016
Date Of Issue	:	September 29, 2016

Test By :

(Daisy Qin)

Reviewed By :

(Sol Qin)

Authorized by :

(Michal Ling)

Prepared by : **QTC Certification & Testing Co., Ltd.**
2nd Floor,Bl Building,Fengyeyuan Industrial Plant,, Liuxian 2st. Road, Xin'an Street, Bao'an District,,Shenzhen,518000
Registration Number: 588523

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	September 29, 2016	Valid	Original Report
V1.1	/	October 13, 2016	Valid	Original Report

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1. GENERAL INFORMATION

Test Model	X556
Applicant	INFINIX MOBILITY LIMITED
Address	RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG
Manufacturer	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Address	1-4th Floor,3rd Building,Pacific Industrial Park,No.2088,Shenyan Road,Yantian District,Shenzhen,Guangdong,China
Equipment Type	Mobile phone
Brand Name	Infinix
Hardware	V1.3
Software	X556-H372A1-M-160720V16
Battery information:	Li-ion Battery : BL-39AX Voltage: 3.85V Capacity: 3950 mAh /4000mAh Limited Charge Voltage: 4.4V
Adapter Information:	Adapter: A88-502000 Input: 100-240V 50/60Hz 350mA Output: 5V-2A
Data of receipt	August 19, 2016
Date of test	August 19, 2016 to September 27, 2016
Deviation	None
Condition of Test Sample	Normal

We hereby certify that:

The above equipment was tested by QTC Certification & Testing Co., Ltd.
2nd Floor,Bl Building,Fengyeyuan Industrial Plant,, Liuxian 2st. Road, Xin'an Street, Bao'an District,,Shenzhen,518000
Registration Number: 588523
The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C 63.4:2014. The sample tested as described in this report is in compliance with the FCC Rules Part15 Subpart B.
The test results of this report relate only to the tested sample identified in this report.

2. TEST DESCRIPTION

2.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %。

No.	Item	Uncertainty
1	Conducted Emission Test	±3.2dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(<1G)	±4.7dB
5	All emissions, radiated(>1G)	±4.7dB
6	Temperature	±0.5°C
7	Humidity	±2%

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates 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.

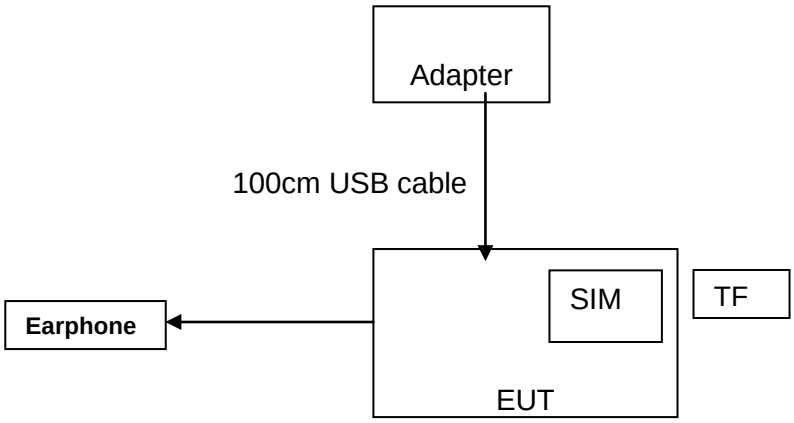
Pretest Mode	Description
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Exchange data with computer
Mode 4	GPS
Mode 5	FM

For Conducted Emission	
Final Test Mode	Test with Keyboard and Mouse
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Exchange data with computer
Mode 4	GPS
Mode 5	FM

For Radiated Emission	
Final Test Mode	Test with Keyboard and Mouse
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Exchange data with computer
Mode 4	GPS
Mode 5	FM

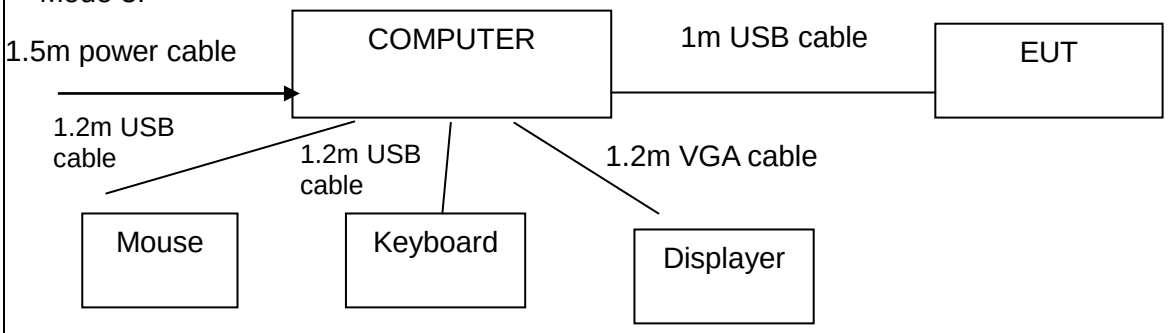
2.3 CONFIGURATION OF SYSTEM UNDER TEST

Mode 1&2:



(EUT: Mobile phone)

Mode 3:



(EUT: Mobile phone)

I/O Port of EUT			
I/O Port Type	**Q'TY**	**Cable**	**Tested with**
Power	1	1m USB cable, unshielded	1
Earphone	1	1m USB cable, unshielded	1

2.4 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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.	Series No.	Note
1	Adapter	/	A88-502000	/	/
2	Keyboard	HP	SK-2880	435302-AA-	/
3	Mouse	DELL	MS111-1	/	/

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

3. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 , Subpart B			
Standard Section	Test Item	Judgment	Remark
15.107	CONDUCTED EMISSION	PASS	
15.109	RADIATED EMISSION	PASS	

NOTE:

(1)” N/A” denotes test is not applicable in this test report.

4. MEASUREMENT INSTRUMENTS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibrated	Calibrated until
ESCI Test Receiver	R&S	ESCI	100005	08/19/2016	08/18/2017
LISN	AFJ	LS16	16010222119	08/19/2016	08/18/2017
LISN(EUT)	Mestec	AN3016	04/10040	08/19/2016	08/18/2017
pre-amplifier	CDSI	PAP-1G18-38	--	08/19/2016	08/18/2017
System Controller	CT	SC100	-	08/19/2016	08/18/2017
Bi-log Antenna	Chase	CBL6111C	2576	08/19/2016	08/18/2017
Spectrum analyzer	R&S	FSU26	200409	08/19/2016	08/18/2017
Horn Antenna	SCHWARZBECK	9120D	1141	08/19/2016	08/18/2017
Bi-log Antenna	SCHWAREBECK	VULB9163	9163/340	08/19/2016	08/18/2017
Pre Amplifier	H.P.	HP8447E	2945A02715	10/13/2016	10/12/2017
9*6*6 Anechoic	--	--	--	08/21/2016	08/20/2017

5. EMC EMISSION TEST

5.1 CONDUCTED EMISSION MEASUREMENT

5.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

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

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.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

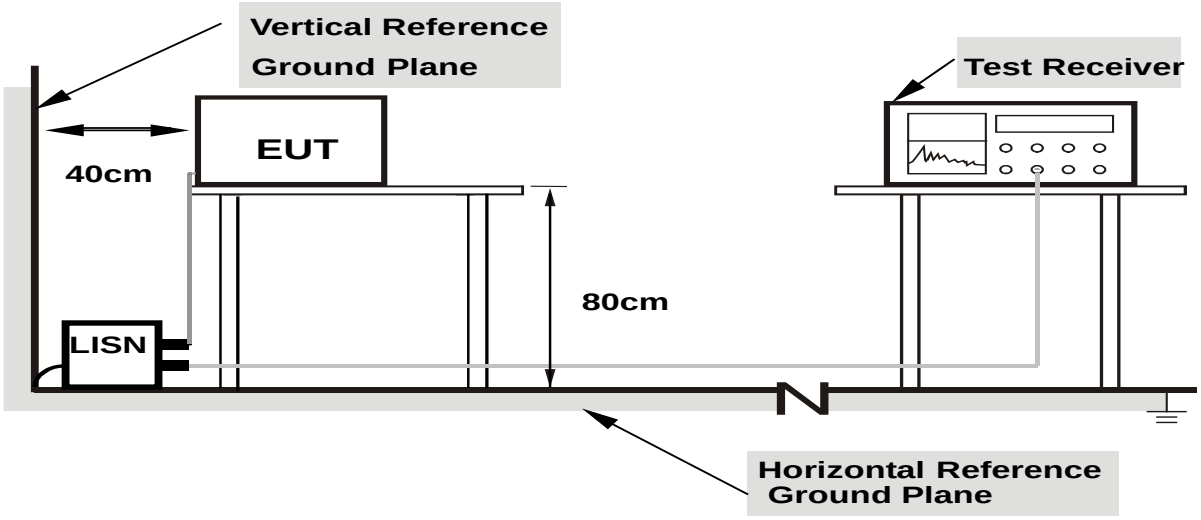
5.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 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.

5.1.3 DEVIATION FROM TEST STANDARD

No deviation

5.1.4 TEST SETUP



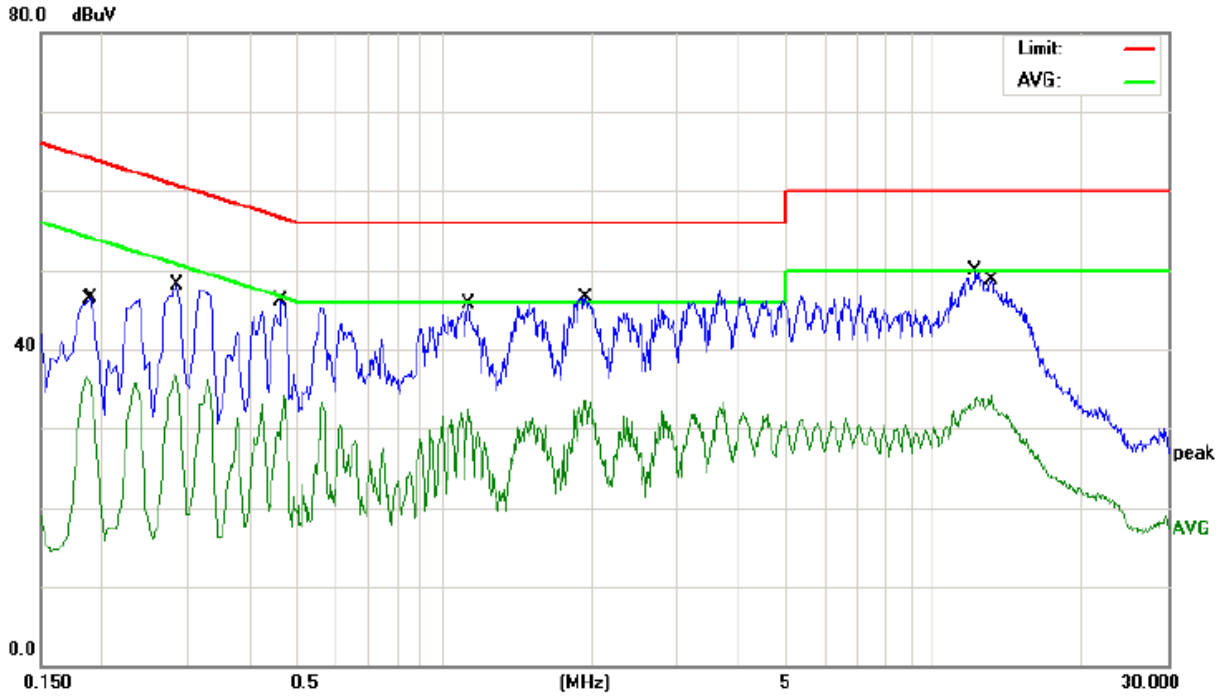
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

5.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

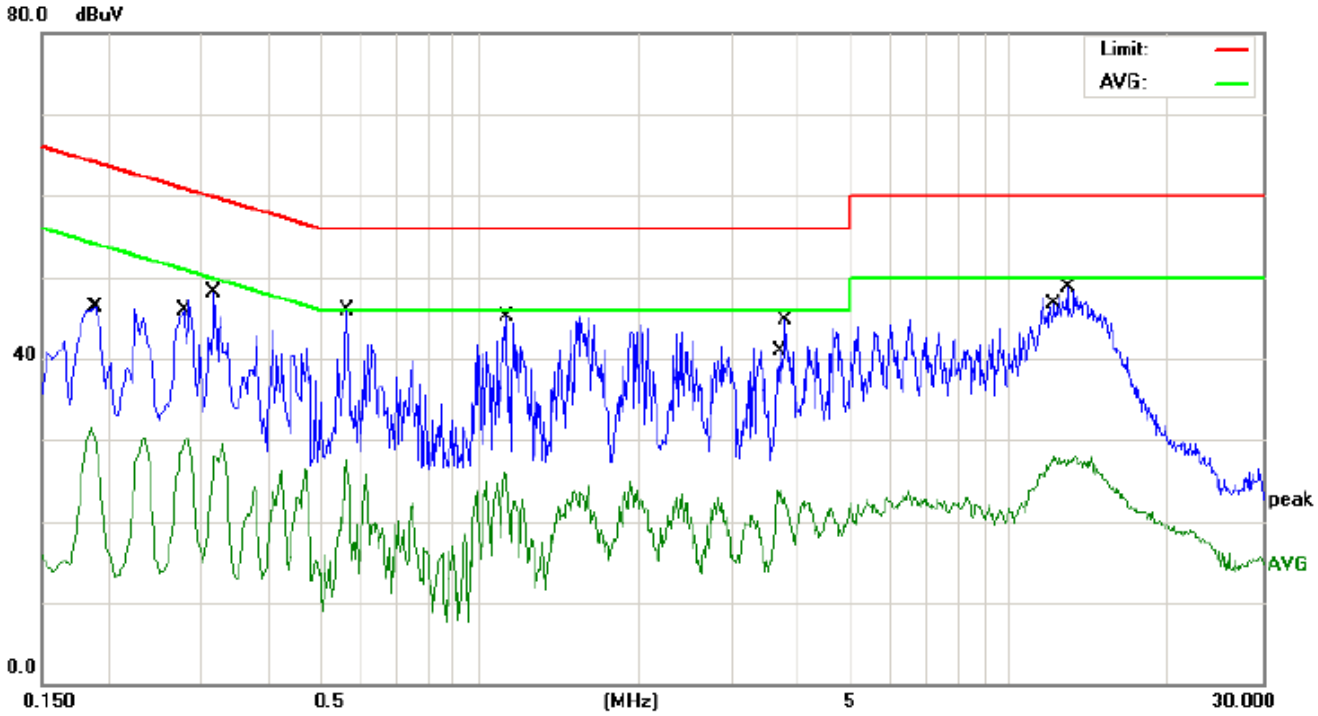
5.1.6 TEST RESULTS

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	August 22, 2016	Test Mode	Mode 1



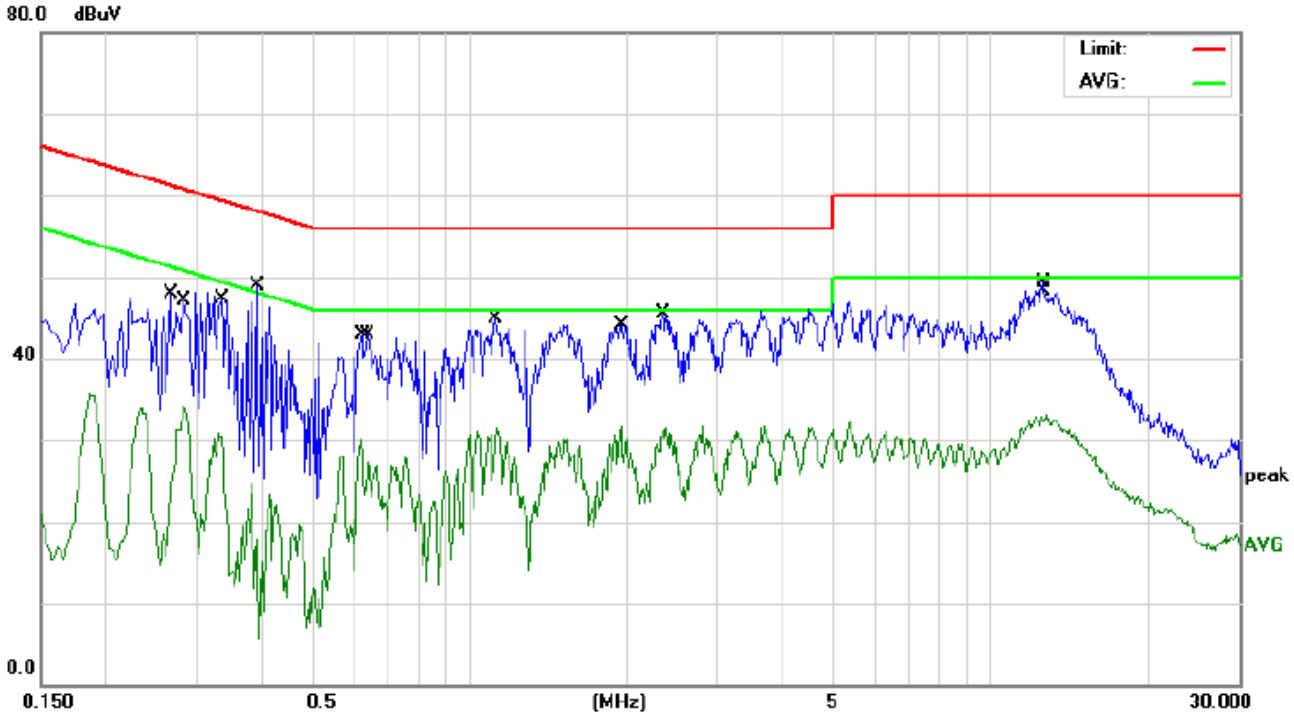
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1860	26.16	10.44	36.60	54.21	-17.61	AVG
2		0.1900	36.05	10.44	46.49	64.03	-17.54	QP
3		0.2819	26.51	10.42	36.93	50.76	-13.83	AVG
4		0.2860	37.70	10.42	48.12	60.64	-12.52	QP
5		0.4660	35.79	10.40	46.19	56.58	-10.39	QP
6		0.4700	23.63	10.40	34.03	46.51	-12.48	AVG
7	*	1.1220	35.36	10.33	45.69	46.00	-0.31	AVG
8		1.1220	22.16	10.33	32.49	46.00	-13.51	AVG
9		1.9380	23.31	10.29	33.60	46.00	-12.40	AVG
10		1.9420	36.14	10.29	46.43	56.00	-9.57	QP
11		12.1740	39.66	10.17	49.83	60.00	-10.17	QP
12		13.0740	23.94	10.17	34.11	50.00	-15.89	AVG

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	August 22, 2016	Test Mode	Mode 1



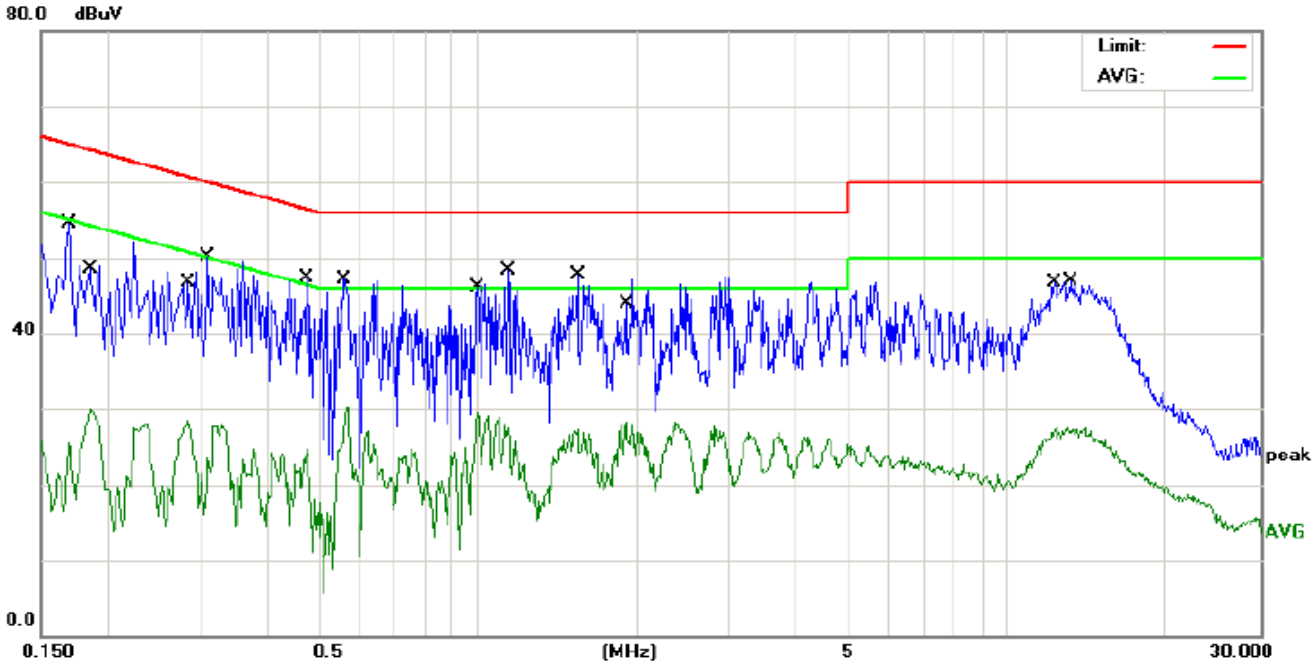
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over
		MHz	dBuV	dB	dBuV	dBuV	dB
1		0.1860	21.03	10.44	31.47	54.21	-22.74
2		0.1900	35.93	10.44	46.37	64.03	-17.66
3		0.2819	19.90	10.42	30.32	50.76	-20.44
4		0.3180	37.60	10.42	48.02	59.76	-11.74
5	*	0.5660	35.60	10.39	45.99	56.00	-10.01
6		0.5660	17.06	10.39	27.45	46.00	-18.55
7		1.1220	15.70	10.33	26.03	46.00	-19.97
8		1.1300	34.74	10.33	45.07	56.00	-10.93
9		3.6420	13.72	10.26	23.98	46.00	-22.02
10		3.7820	34.51	10.25	44.76	56.00	-11.24
11		12.1780	17.92	10.17	28.09	50.00	-21.91
12		12.9060	38.60	10.17	48.77	60.00	-11.23

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	August 22, 2016	Test Mode	Mode 2



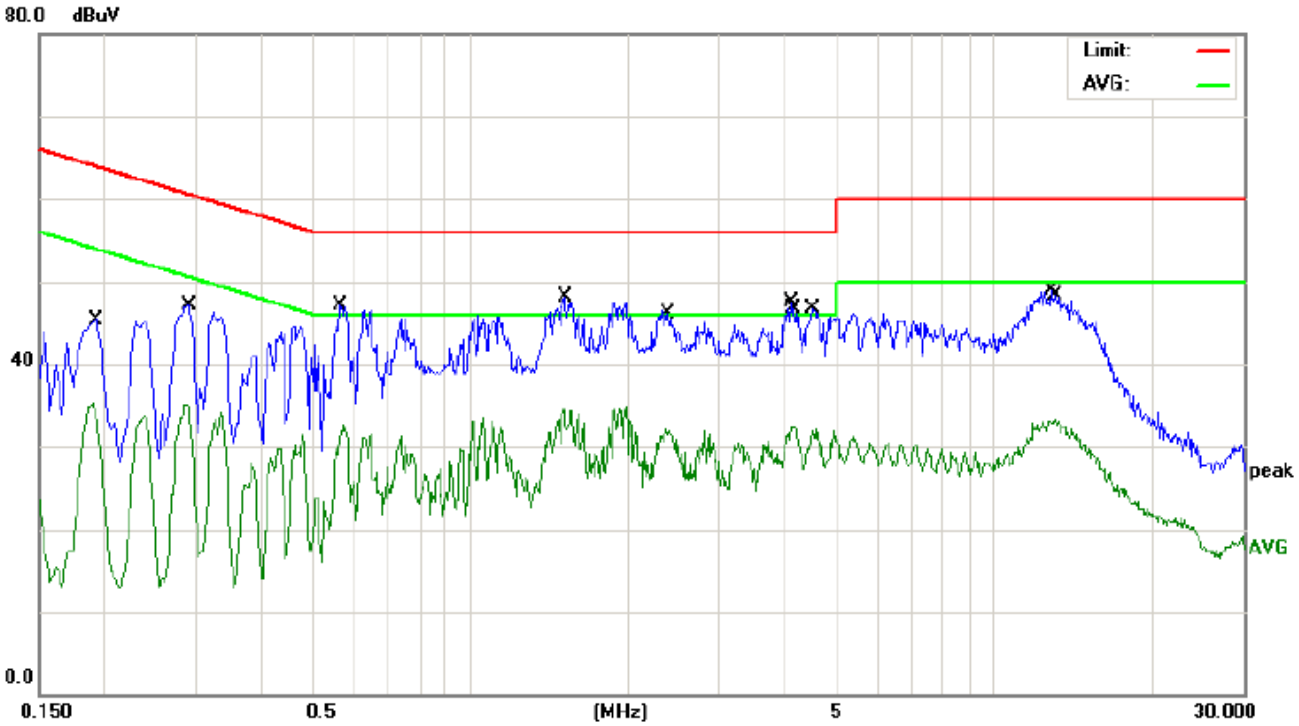
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2660	37.42	10.43	47.85	61.24	-13.39	QP
2		0.2819	23.64	10.42	34.06	50.76	-16.70	AVG
3		0.3302	20.44	10.42	30.86	49.44	-18.58	AVG
4	*	0.3899	38.51	10.41	48.92	58.06	-9.14	QP
5		0.6180	19.69	10.39	30.08	46.00	-15.92	AVG
6		0.6380	32.60	10.38	42.98	56.00	-13.02	QP
7		1.1220	34.55	10.33	44.88	56.00	-11.12	QP
8		1.1260	21.13	10.33	31.46	46.00	-14.54	AVG
9		1.9500	21.46	10.29	31.75	46.00	-14.25	AVG
10		2.3500	35.17	10.28	45.45	56.00	-10.55	QP
11		12.6178	39.22	10.17	49.39	60.00	-10.61	QP
12		12.8099	23.01	10.17	33.18	50.00	-16.82	AVG

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	August 22, 2016	Test Mode	Mode 2



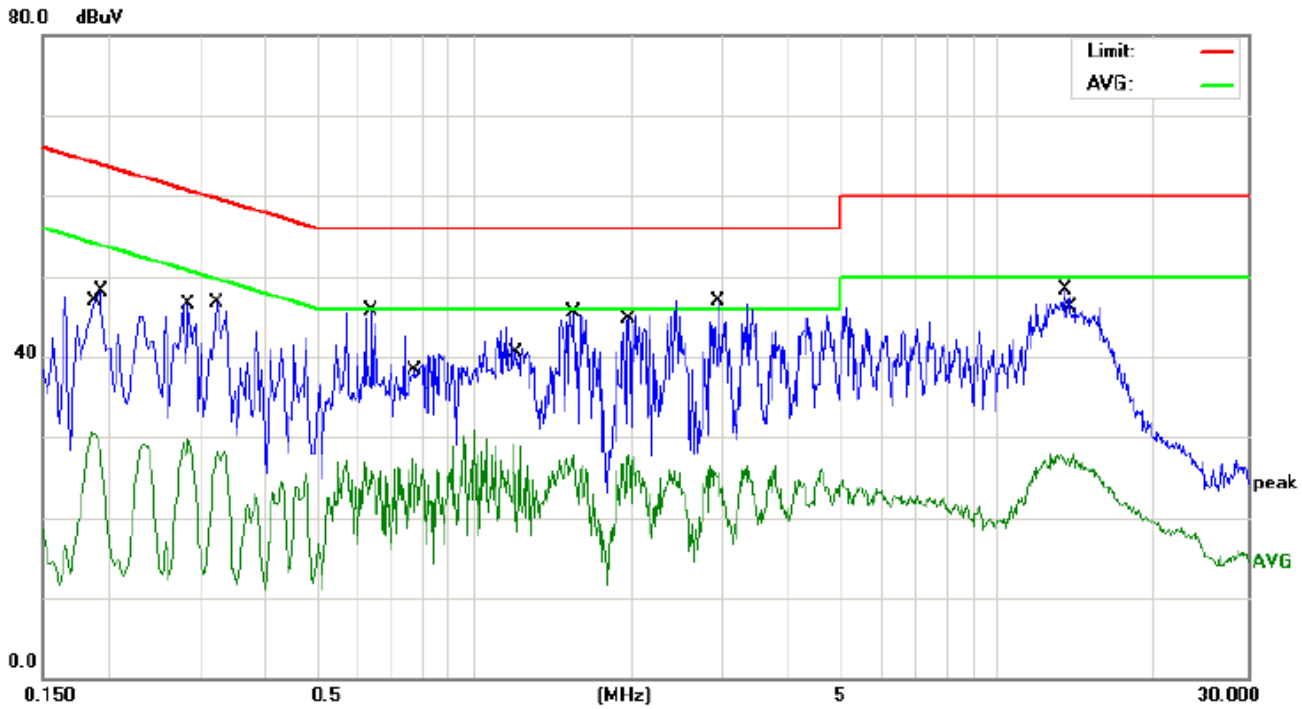
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1700	44.07	10.44	54.51	64.96	-10.45	QP
2		0.1860	19.50	10.44	29.94	54.21	-24.27	AVG
3		0.2860	17.99	10.42	28.41	50.64	-22.23	AVG
4		0.3100	39.77	10.42	50.19	59.97	-9.78	QP
5		0.4780	36.82	10.40	47.22	56.37	-9.15	QP
6		0.5700	20.01	10.39	30.40	46.00	-15.60	AVG
7		1.0020	19.12	10.34	29.46	46.00	-16.54	AVG
8	*	1.1420	38.01	10.33	48.34	56.00	-7.66	QP
9		1.5460	37.44	10.31	47.75	56.00	-8.25	QP
10		1.9140	18.04	10.29	28.33	46.00	-17.67	AVG
11		12.3660	17.40	10.17	27.57	50.00	-22.43	AVG
12		13.2380	36.65	10.16	46.81	60.00	-13.19	QP

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	August 22, 2016	Test Mode	Mode 3



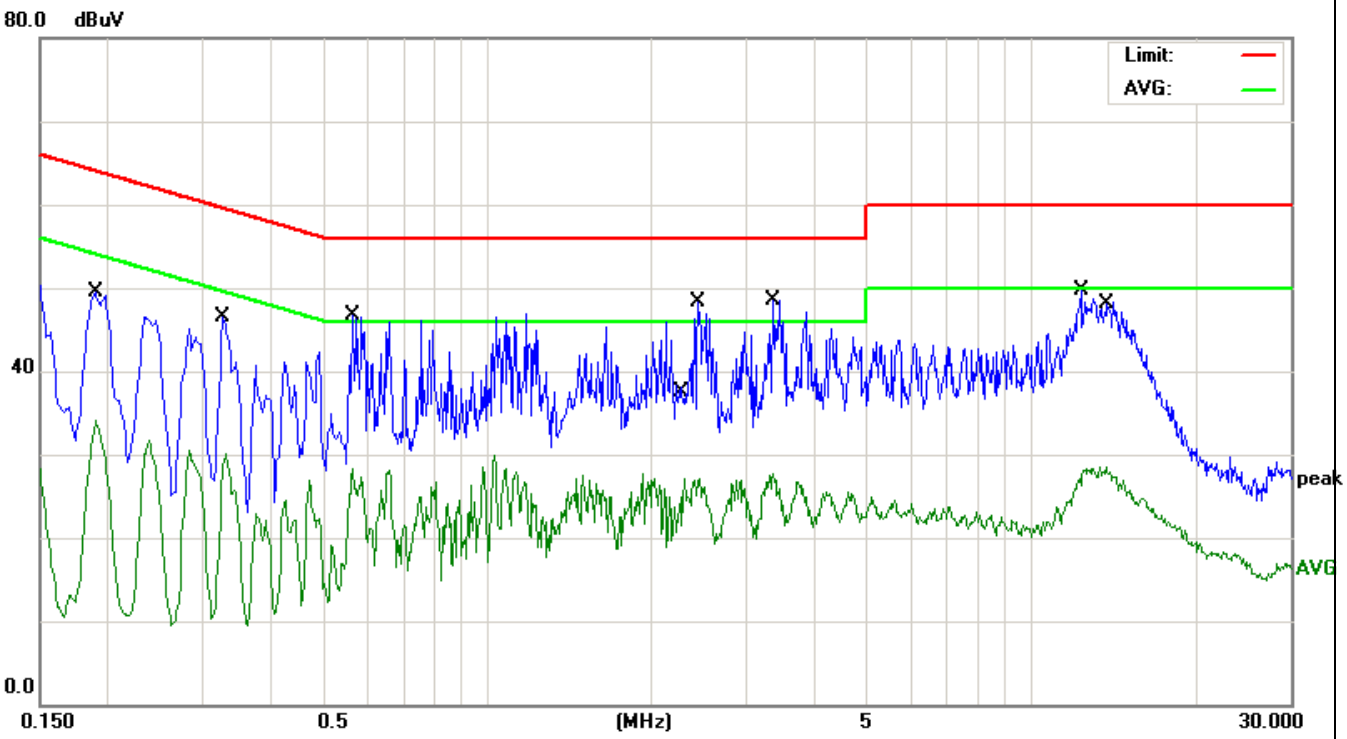
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1900	24.90	10.44	35.34	54.03	-18.69	AVG
2		0.2900	36.77	10.42	47.19	60.52	-13.33	QP
3		0.5660	36.70	10.39	47.09	56.00	-8.91	QP
4		0.5740	22.24	10.39	32.63	46.00	-13.37	AVG
5		1.5100	24.26	10.31	34.57	46.00	-11.43	AVG
6	*	1.5140	37.80	10.31	48.11	56.00	-7.89	QP
7		2.3740	21.72	10.28	32.00	46.00	-14.00	AVG
8		4.0939	37.34	10.25	47.59	56.00	-8.41	QP
9		4.1620	22.35	10.25	32.60	46.00	-13.40	AVG
10		4.5100	36.44	10.24	46.68	56.00	-9.32	QP
11		12.8900	38.65	10.17	48.82	60.00	-11.18	QP
12		13.0980	23.08	10.17	33.25	50.00	-16.75	AVG

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	August 22, 2016	Test Mode	Mode 3



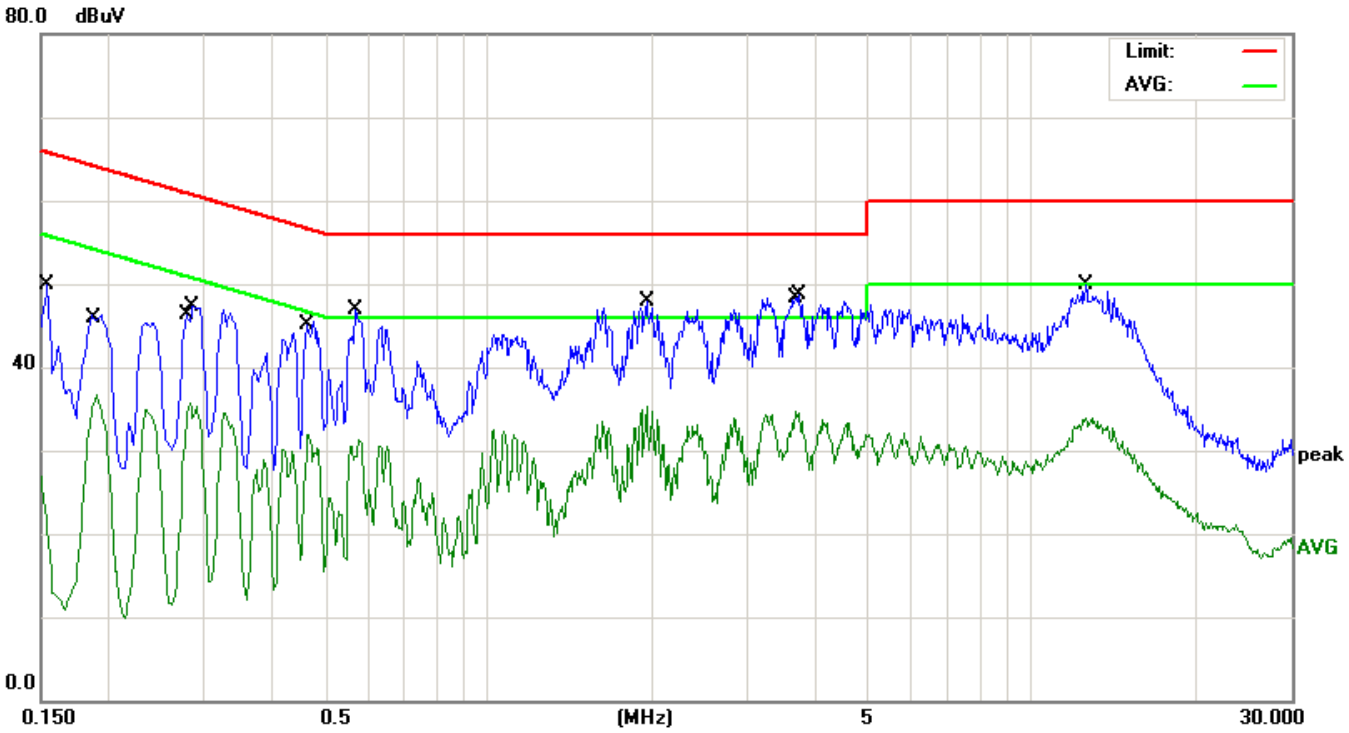
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1860	20.20	10.44	30.64	54.21	-23.57	AVG
2		0.1940	37.67	10.43	48.10	63.86	-15.76	QP
3		0.2860	19.21	10.42	29.63	50.64	-21.01	AVG
4		0.3220	36.33	10.42	46.75	59.65	-12.90	QP
5		0.6380	35.23	10.38	45.61	56.00	-10.39	QP
6		0.7660	16.99	10.37	27.36	46.00	-18.64	AVG
7		1.1940	18.81	10.33	29.14	46.00	-16.86	AVG
8		1.5500	35.14	10.31	45.45	56.00	-10.55	QP
9		1.9780	17.42	10.29	27.71	46.00	-18.29	AVG
10	*	2.9380	36.62	10.27	46.89	56.00	-9.11	QP
11		13.4540	38.08	10.16	48.24	60.00	-11.76	QP
12		13.9420	17.84	10.16	28.00	50.00	-22.00	AVG

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	August 22, 2016	Test Mode	Mode 4



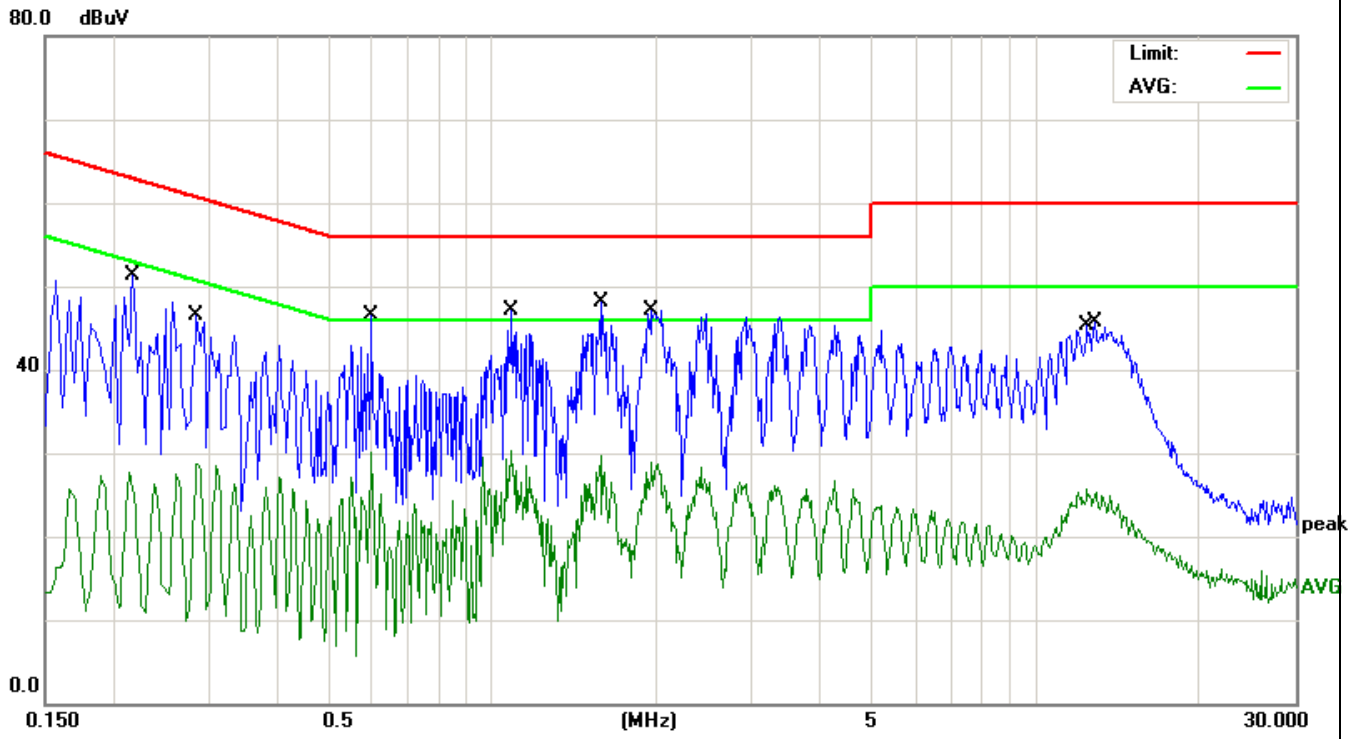
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1900	39.15	10.44	49.59	64.03	-14.44	QP
2		0.1900	23.76	10.44	34.20	54.03	-19.83	AVG
3		0.3260	36.11	10.42	46.53	59.55	-13.02	QP
4		0.3300	19.72	10.42	30.14	49.45	-19.31	AVG
5		0.5660	36.23	10.39	46.62	56.00	-9.38	QP
6		0.5660	17.99	10.39	28.38	46.00	-17.62	AVG
7		2.3060	16.89	10.28	27.17	46.00	-18.83	AVG
8		2.4420	37.99	10.28	48.27	56.00	-7.73	QP
9	*	3.3460	38.20	10.26	48.46	56.00	-7.54	QP
10		3.3460	17.38	10.26	27.64	46.00	-18.36	AVG
11		12.3780	39.48	10.17	49.65	60.00	-10.35	QP
12		13.7500	18.43	10.16	28.59	50.00	-21.41	AVG

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	August 22, 2016	Test Mode	Mode 4



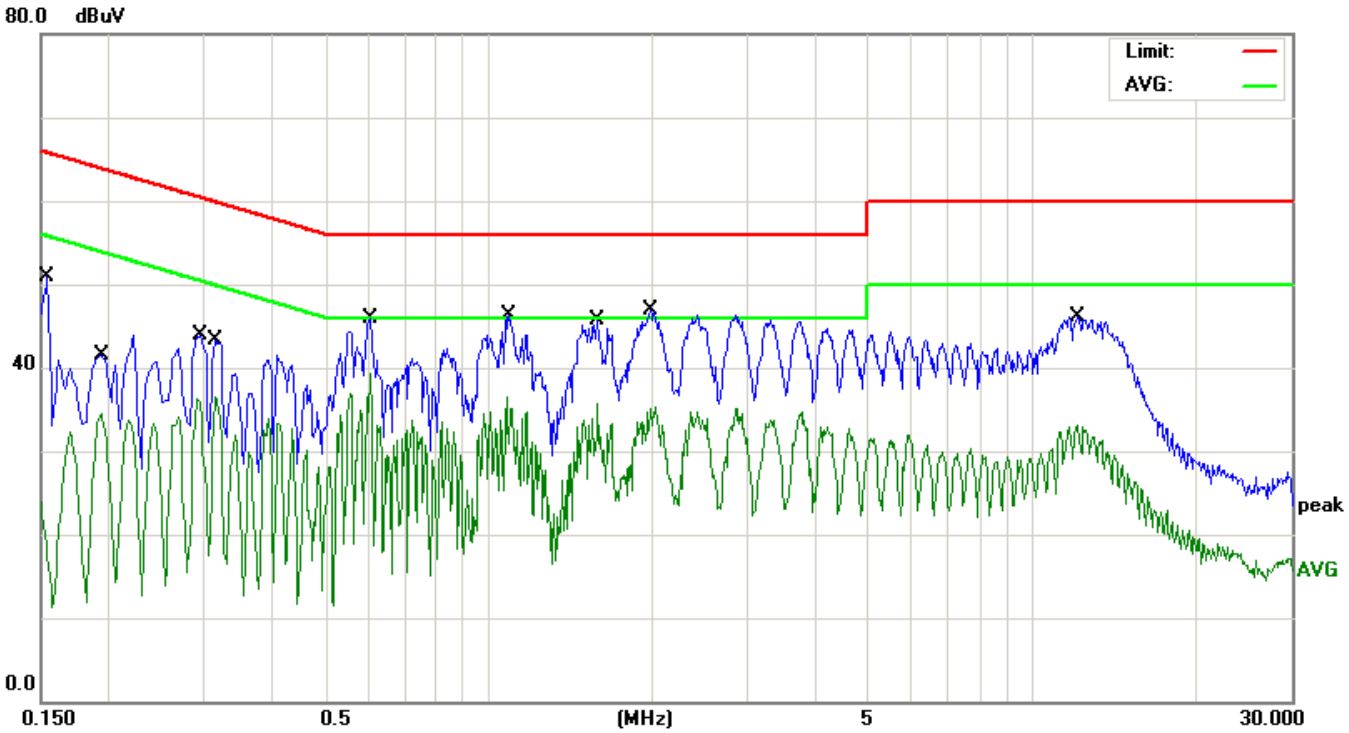
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1539	39.43	10.44	49.87	65.78	-15.91	QP
2		0.1900	26.23	10.44	36.67	54.03	-17.36	AVG
3		0.2819	25.20	10.42	35.62	50.76	-15.14	AVG
4		0.2860	36.86	10.42	47.28	60.64	-13.36	QP
5		0.4660	21.48	10.40	31.88	46.58	-14.70	AVG
6		0.5700	36.47	10.39	46.86	56.00	-9.14	QP
7		1.9580	37.59	10.29	47.88	56.00	-8.12	QP
8		1.9580	25.05	10.29	35.34	46.00	-10.66	AVG
9		3.6740	24.52	10.26	34.78	46.00	-11.22	AVG
10	*	3.7220	38.48	10.26	48.74	56.00	-7.26	QP
11		12.5620	39.65	10.17	49.82	60.00	-10.18	QP
12		12.5620	23.71	10.17	33.88	50.00	-16.12	AVG

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	August 22, 2016	Test Mode	Mode 5



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2180	36.70	10.43	47.13	62.89	-15.76	QP
2		0.2860	18.31	10.42	28.73	50.64	-21.91	AVG
3		0.5980	31.86	10.39	42.25	56.00	-13.75	QP
4		0.5980	19.74	10.39	30.13	46.00	-15.87	AVG
5		1.0859	32.82	10.34	43.16	56.00	-12.84	QP
6		1.0859	19.91	10.34	30.25	46.00	-15.75	AVG
7	*	1.5780	33.61	10.31	43.92	56.00	-12.08	QP
8		1.5780	19.39	10.31	29.70	46.00	-16.30	AVG
9		1.9660	32.32	10.29	42.61	56.00	-13.39	QP
10		1.9660	18.60	10.29	28.89	46.00	-17.11	AVG
11		12.4420	15.58	10.17	25.75	50.00	-24.25	AVG
12		12.8100	31.59	10.17	41.76	60.00	-18.24	QP

EUT	Mobile phone	Model Name	X556
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	August 22, 2016	Test Mode	Mode 5



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1539	40.46	10.44	50.90	65.78	-14.88	QP
2		0.1940	24.15	10.43	34.58	53.86	-19.28	AVG
3		0.2940	33.42	10.42	43.84	60.41	-16.57	QP
4		0.3140	26.14	10.42	36.56	49.86	-13.30	AVG
5		0.6060	35.54	10.39	45.93	56.00	-10.07	QP
6	*	0.6060	28.82	10.39	39.21	46.00	-6.79	AVG
7		1.0820	26.21	10.34	36.55	46.00	-9.45	AVG
8		1.0900	36.02	10.34	46.36	56.00	-9.64	QP
9		1.5859	25.45	10.31	35.76	46.00	-10.24	AVG
10		1.9860	36.53	10.29	46.82	56.00	-9.18	QP
11		12.1140	22.94	10.17	33.11	50.00	-16.89	AVG
12		12.1380	35.97	10.17	46.14	60.00	-13.86	QP

5.2 RADIATED EMISSION MEASUREMENT

5.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

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

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

5.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
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. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

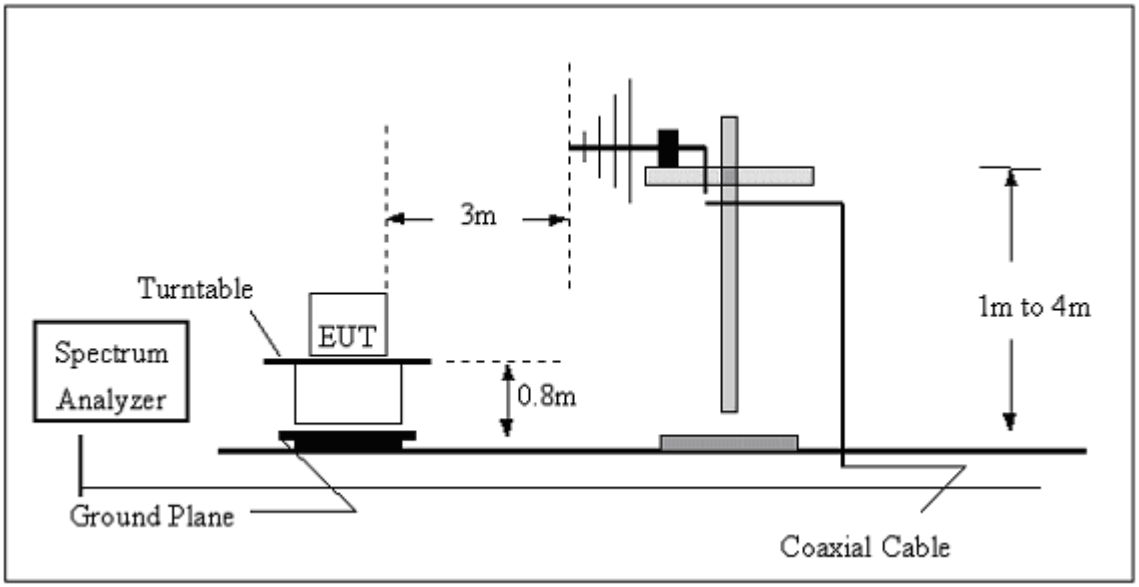
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

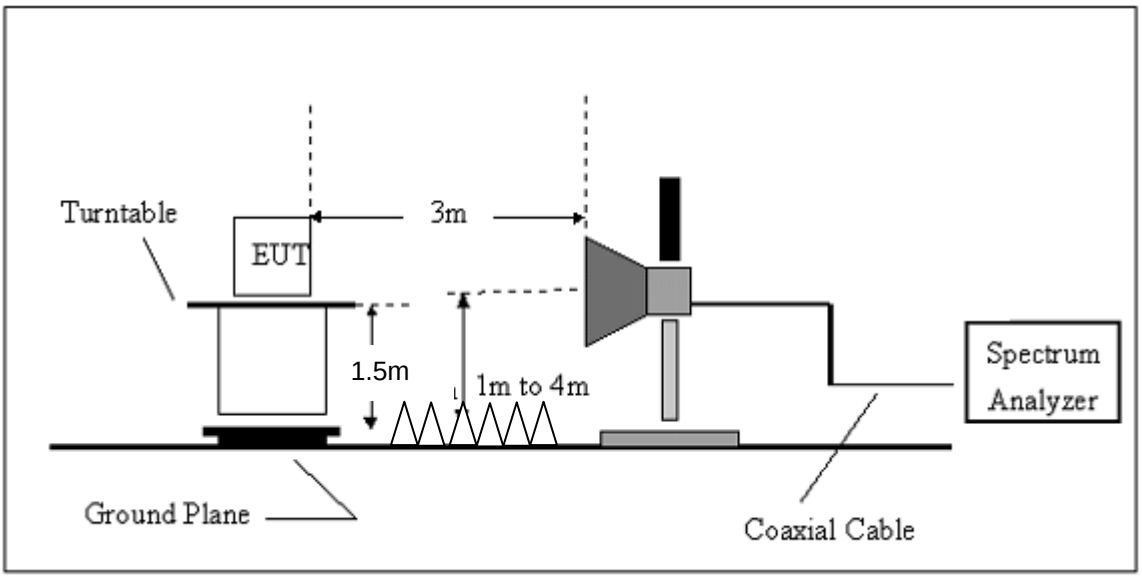
No deviation

5.2.4 TEST SETUP

（A）Radiated Emission Test-Up Frequency 30MHz~1GHz



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

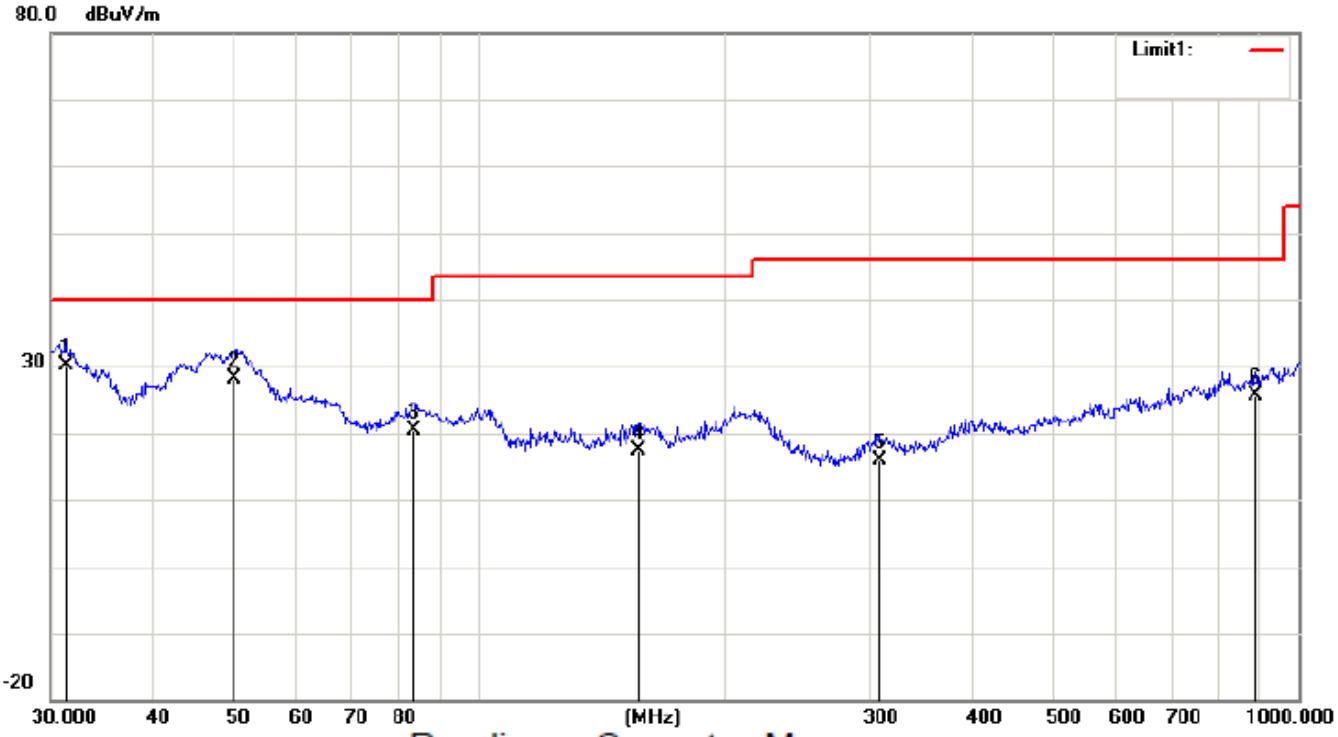


5.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

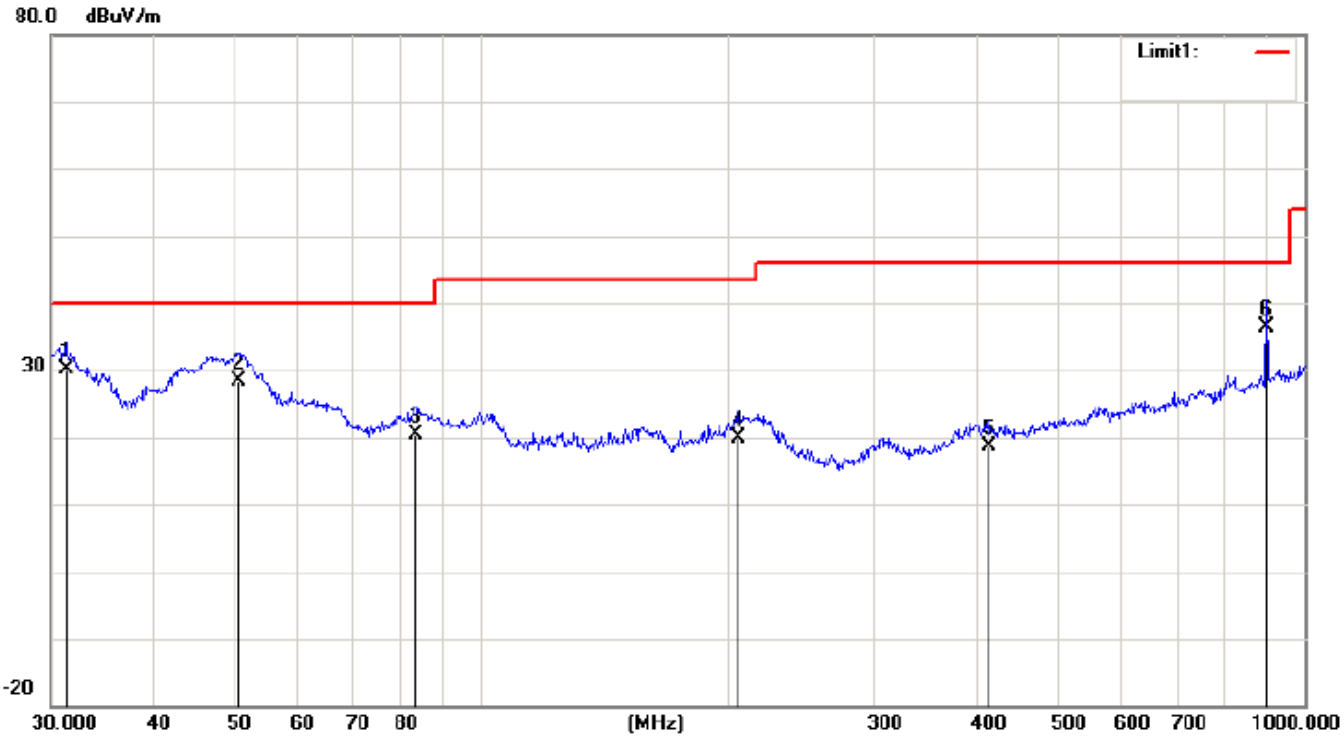
5.2.5.1 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 1	Test Date	August 22, 2016



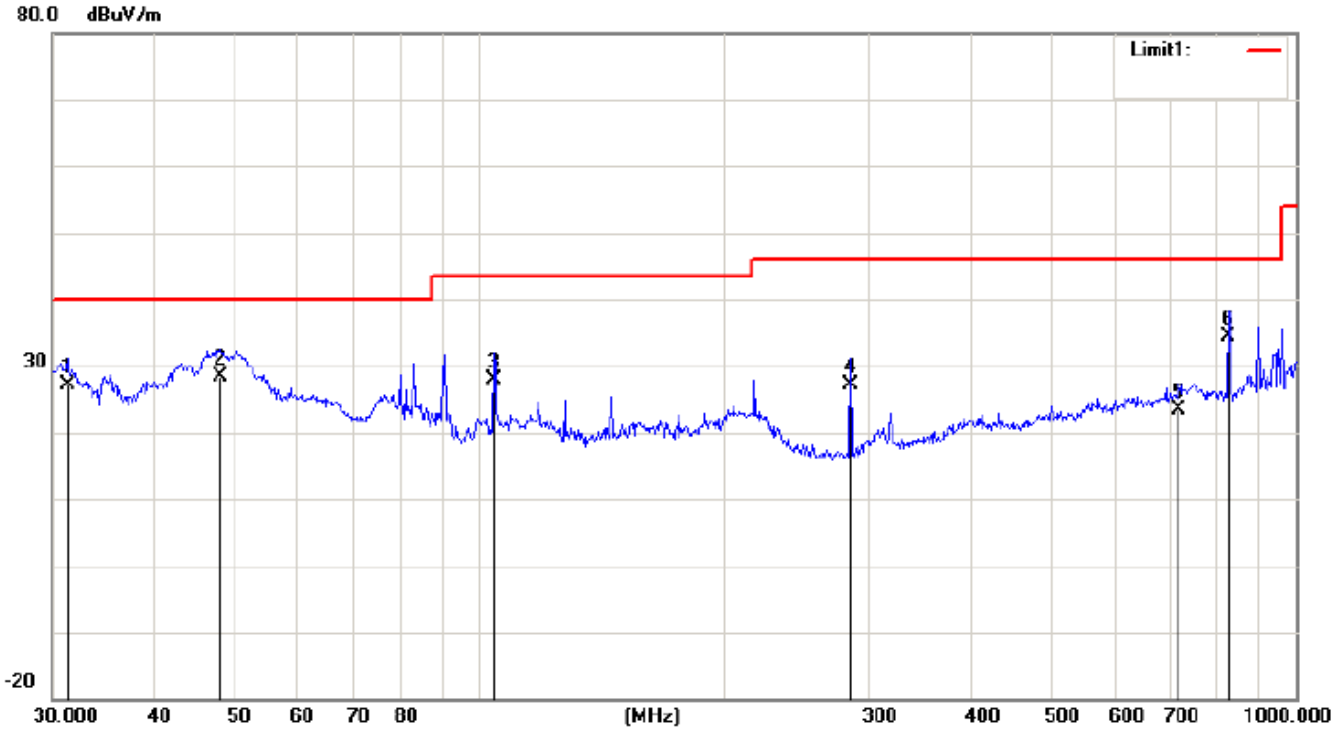
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detect
1	*	31.2893	27.50	2.62	30.12	40.00	-9.88	QP
2		50.2324	37.14	-9.03	28.11	40.00	-11.89	QP
3		83.2298	28.38	-7.89	20.49	40.00	-19.51	QP
4		156.4578	21.66	-4.25	17.41	43.50	-26.09	QP
5		307.8313	20.52	-4.62	15.90	46.00	-30.10	QP
6		887.6099	20.48	5.22	25.70	46.00	-20.30	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 1	Test Date	August 22, 2016



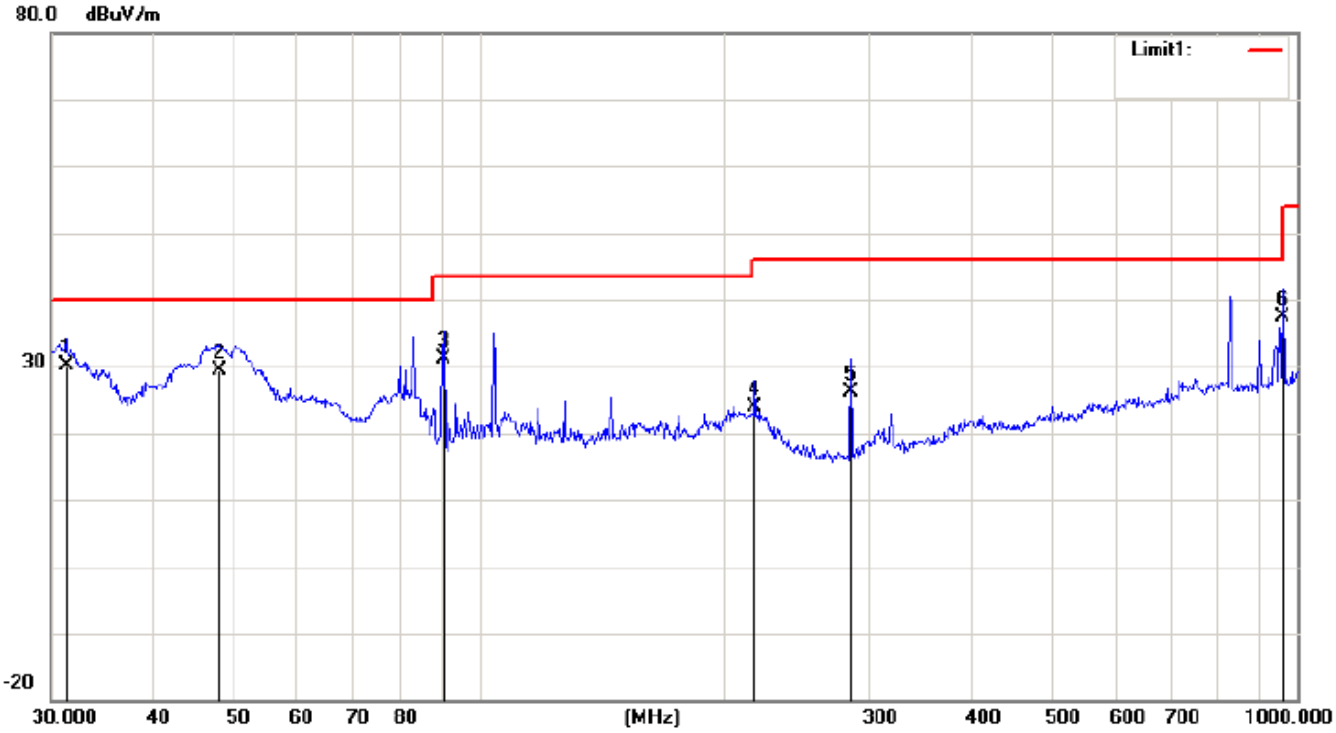
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		31.2893	27.50	2.62	30.12	40.00	-9.88	QP
2		50.7637	37.49	-9.08	28.41	40.00	-11.59	QP
3		83.2298	28.38	-7.89	20.49	40.00	-19.51	QP
4		204.9551	24.88	-5.00	19.88	43.50	-23.62	QP
5		413.2706	20.67	-2.08	18.59	46.00	-27.41	QP
6	*	900.1474	30.68	5.73	36.41	46.00	-9.59	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 2	Test Date	August 22, 2016



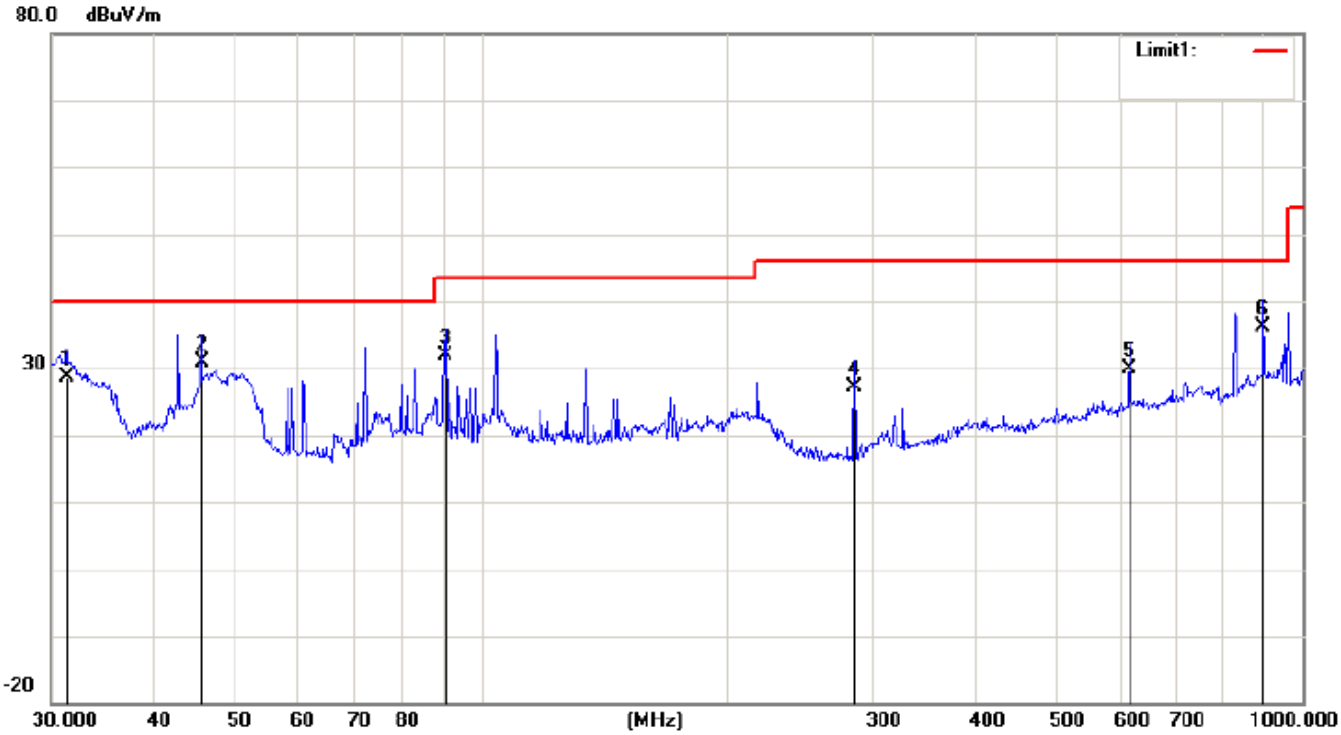
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		31.2893	24.50	2.62	27.12	40.00	-12.88	QP
2		48.1626	36.59	-8.25	28.34	40.00	-11.66	QP
3		104.1701	33.07	-5.18	27.89	43.50	-15.61	QP
4		284.9767	33.06	-5.98	27.08	46.00	-18.92	QP
5		719.1995	20.43	2.94	23.37	46.00	-22.63	QP
6	*	827.4934	29.21	5.18	34.39	46.00	-11.61	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 2	Test Date	August 22, 2016



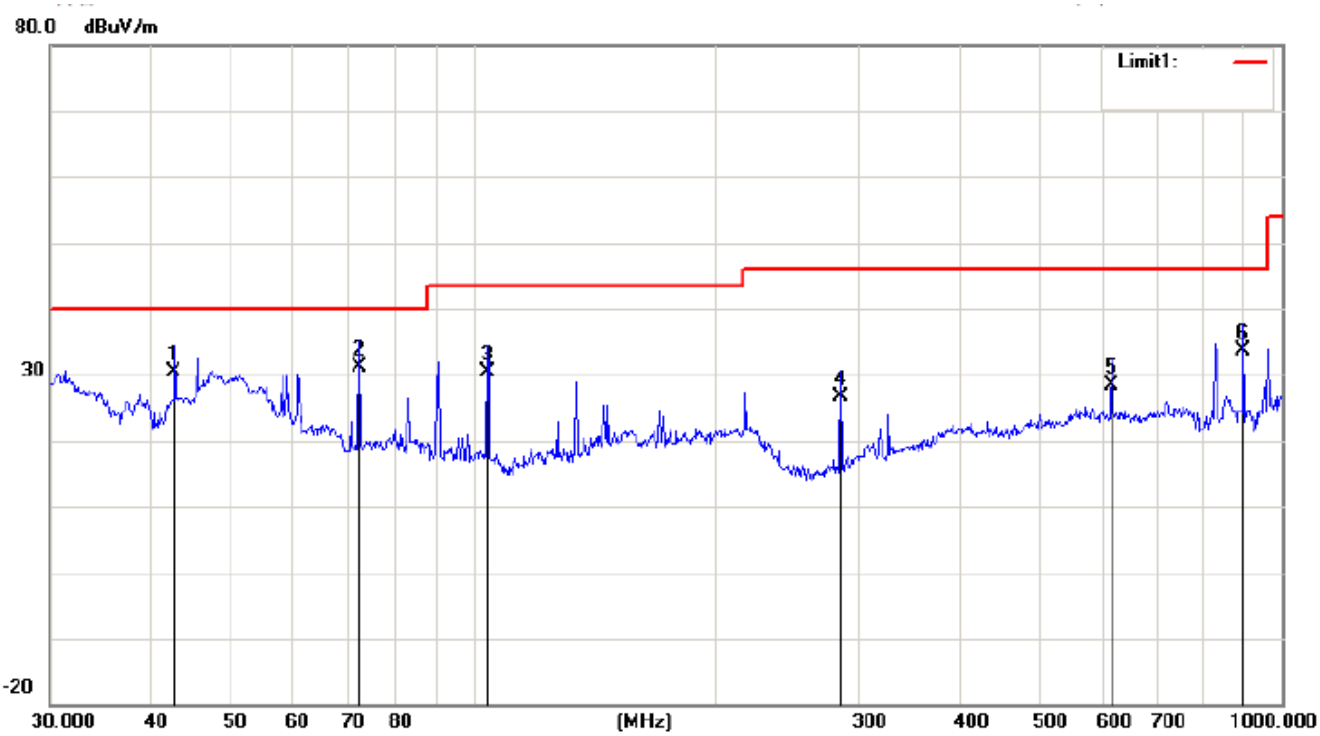
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		31.2893	27.50	2.62	30.12	40.00	-9.88	QP
2		48.1626	37.59	-8.25	29.34	40.00	-10.66	QP
3		90.5374	39.04	-7.92	31.12	43.50	-12.38	QP
4		217.5443	29.26	-5.44	23.82	46.00	-22.18	QP
5		284.9767	32.06	-5.98	26.08	46.00	-19.92	QP
6	*	958.7943	14.71	22.79	37.50	46.00	-8.50	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 3	Test Date	August 22, 2016



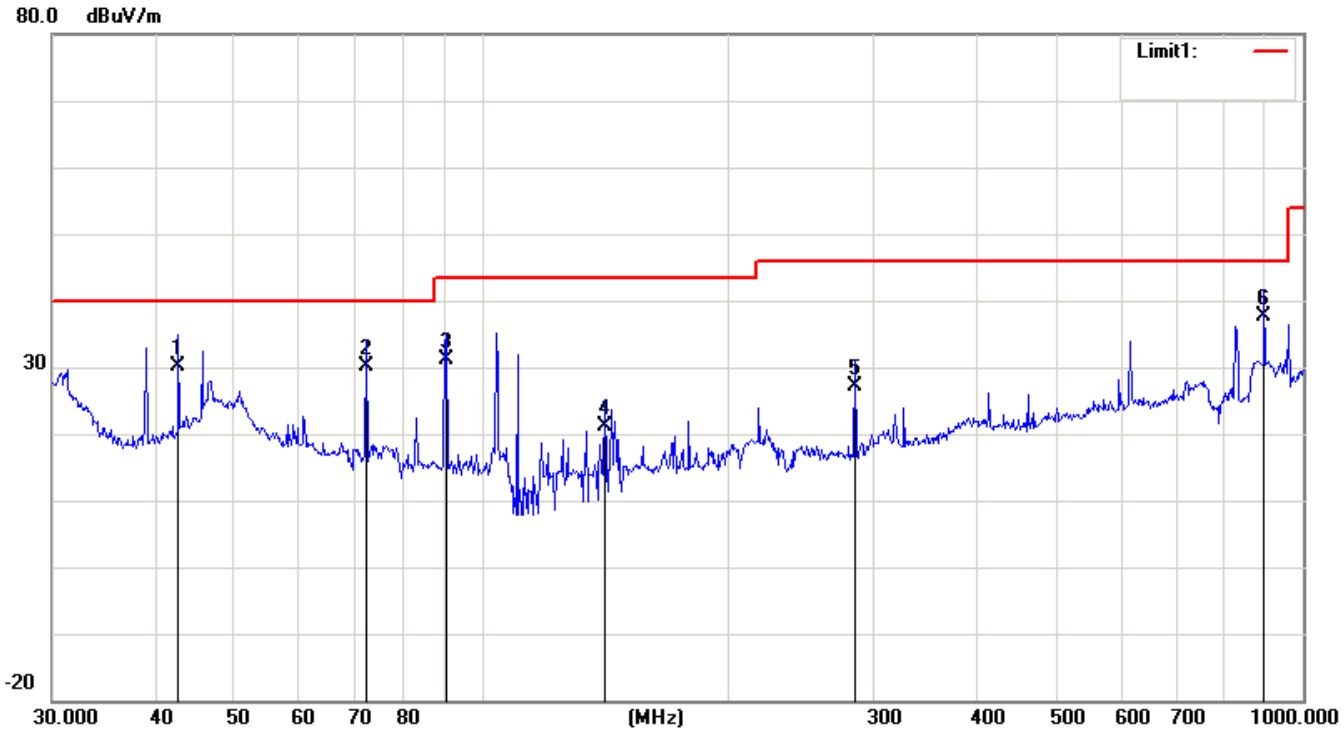
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		31.2893	26.00	2.62	28.62	40.00	-11.38	QP
2	*	45.6948	38.17	-7.22	30.95	40.00	-9.05	QP
3		90.5374	39.83	-7.92	31.91	43.50	-11.59	QP
4		284.9767	33.03	-5.98	27.05	46.00	-18.95	QP
5		616.3718	28.52	1.27	29.79	46.00	-16.21	QP
6		896.9965	30.46	5.59	36.05	46.00	-9.95	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 3	Test Date	August 22, 2016



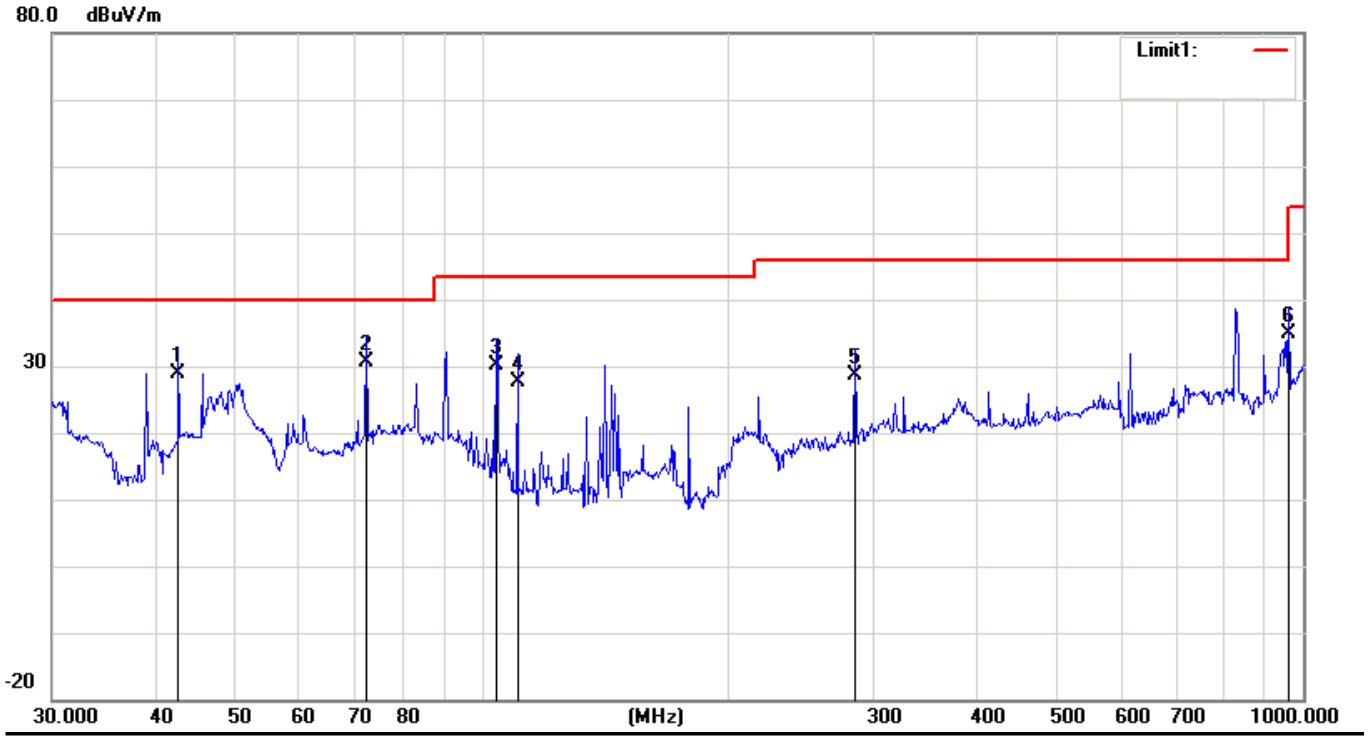
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		42.7496	35.79	-5.39	30.40	40.00	-9.60	QP
2	*	72.3376	38.82	-7.68	31.14	40.00	-8.86	QP
3		104.1701	35.59	-5.18	30.41	43.50	-13.09	QP
4		284.9767	32.56	-5.98	26.58	46.00	-19.42	QP
5		616.3718	27.02	1.27	28.29	46.00	-17.71	QP
6		896.9965	27.96	5.59	33.55	46.00	-12.45	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 4	Test Date	August 22, 2016



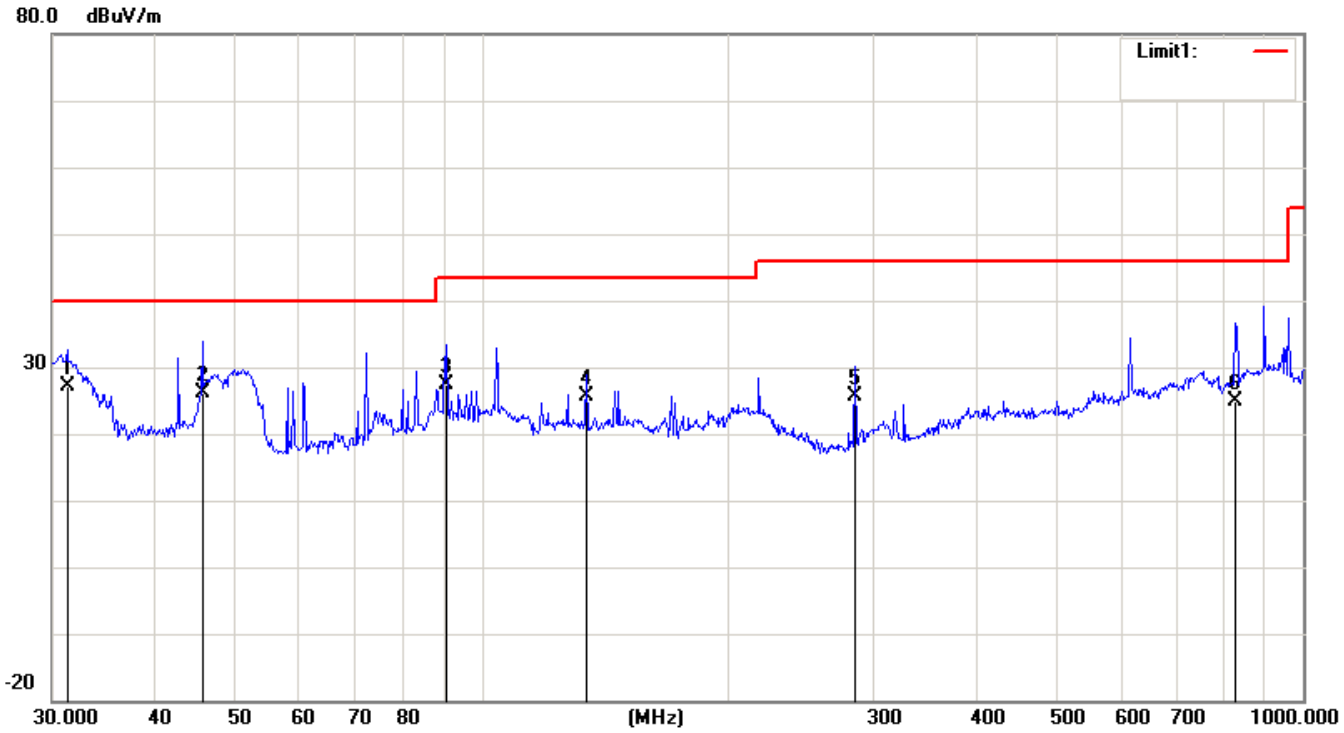
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		42.7496	35.48	-5.39	30.09	40.00	-9.91	QP
2		72.3375	37.82	-7.68	30.14	40.00	-9.86	QP
3		90.5374	39.15	-7.92	31.23	43.50	-12.27	QP
4		141.3298	24.33	-3.16	21.17	43.50	-22.33	QP
5		284.9766	33.06	-5.98	27.08	46.00	-18.92	QP
6	*	896.9964	31.96	5.59	37.55	46.00	-8.45	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 4	Test Date	August 22, 2016



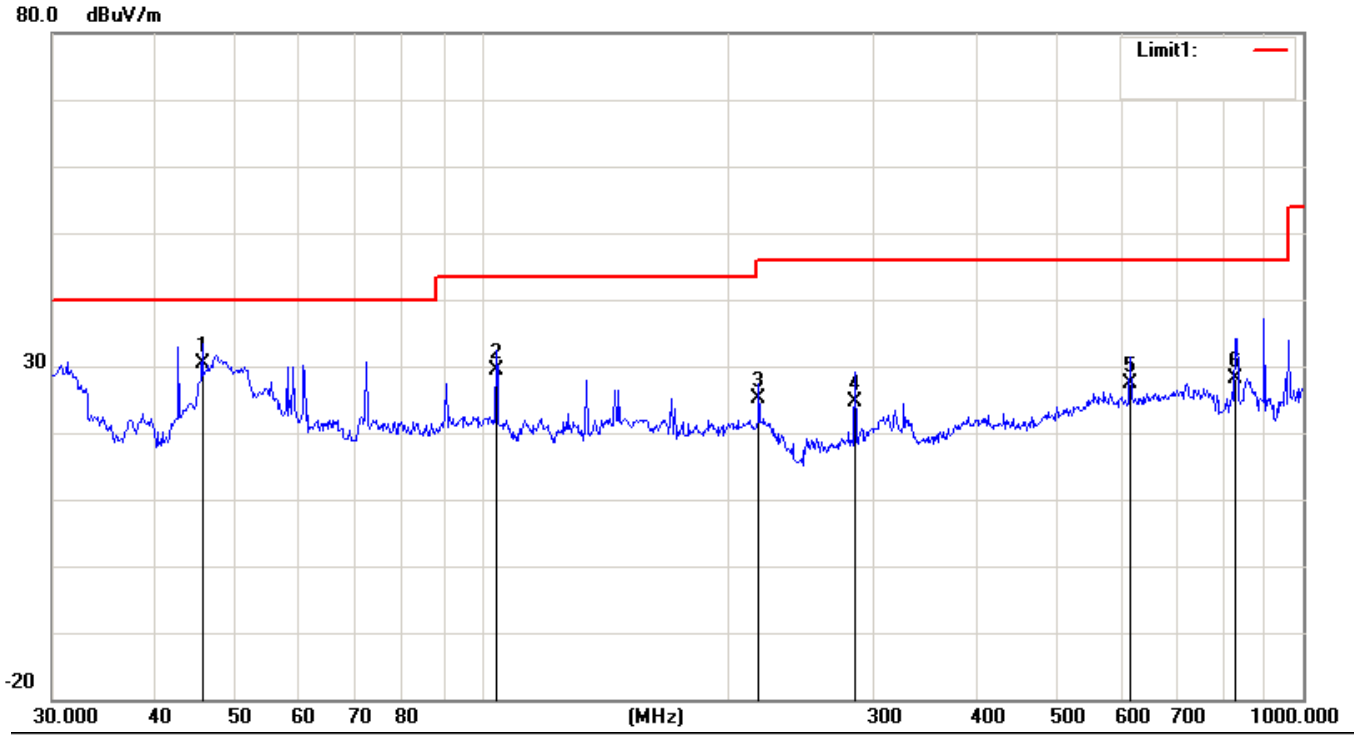
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		42.7496	34.29	-5.39	28.90	40.00	-11.10	QP
2	*	72.3376	38.32	-7.68	30.64	40.00	-9.36	QP
3		104.1701	35.29	-5.18	30.11	43.50	-13.39	QP
4		110.5687	31.23	-3.48	27.75	43.50	-15.75	QP
5		284.9767	34.56	-5.98	28.58	46.00	-17.42	QP
6		958.7943	12.10	22.79	34.89	46.00	-11.11	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 5	Test Date	August 22, 2016



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	31.2893	24.50	2.62	27.12	40.00	-12.88	QP
2		45.6948	33.44	-7.22	26.22	40.00	-13.78	QP
3		90.5374	35.23	-7.92	27.31	43.50	-16.19	QP
4		134.0882	28.43	-2.88	25.55	43.50	-17.95	QP
5		284.9766	31.66	-5.98	25.68	46.00	-20.32	QP
6		827.4932	19.59	5.18	24.77	46.00	-21.23	QP

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 5	Test Date	August 22, 2016



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	45.6948	37.67	-7.22	30.45	40.00	-9.55	QP
2		104.1701	34.50	-5.18	29.32	43.50	-14.18	QP
3		217.5440	30.55	-5.44	25.11	46.00	-20.89	QP
4		284.9766	30.60	-5.98	24.62	46.00	-21.38	QP
5		616.3718	26.12	1.27	27.39	46.00	-18.61	QP
6		827.4932	22.98	5.18	28.16	46.00	-17.84	QP

5.2.5.2 TEST RESULTS(1GHZ TO 6GHZ)

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1
Test Date	August 22, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
1632.45	V	60.68	39.61	74	54	-13.32	-14.39
2829.27	V	59.90	40.39	74	54	-14.10	-13.61
1684.52	H	58.05	39.46	74	54	-15.95	-14.54
2831.6	H	59.65	40.65	74	54	-14.35	-13.35

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2
Test Date	August 22, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
1583.35	V	58.79	40.94	74	54	-15.21	-13.06
2641.52	V	59.93	40.27	74	54	-14.07	-13.73
1628.42	H	58.31	39.22	74	54	-15.69	-14.78
2810.39	H	59.25	40.25	74	54	-14.75	-13.75

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3
Test Date	August 22, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
1577.35	V	59.77	40.83	74	54	-14.23	-13.17
2652.38	V	59.23	40.32	74	54	-14.77	-13.68
1699.33	H	59.74	40.33	74	54	-14.26	-13.67
2739.42	H	58.34	39.34	74	54	-15.66	-14.66

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4
Test Date	August 22, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
1583.35	V	59.32	39.45	74	54	-14.68	-14.55
2641.52	V	59.10	39.75	74	54	-14.90	-14.25
1628.42	H	59.52	40.31	74	54	-14.48	-13.69
2810.39	H	58.26	39.26	74	54	-15.74	-14.74

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X556
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5
Test Date	August 22, 2016		

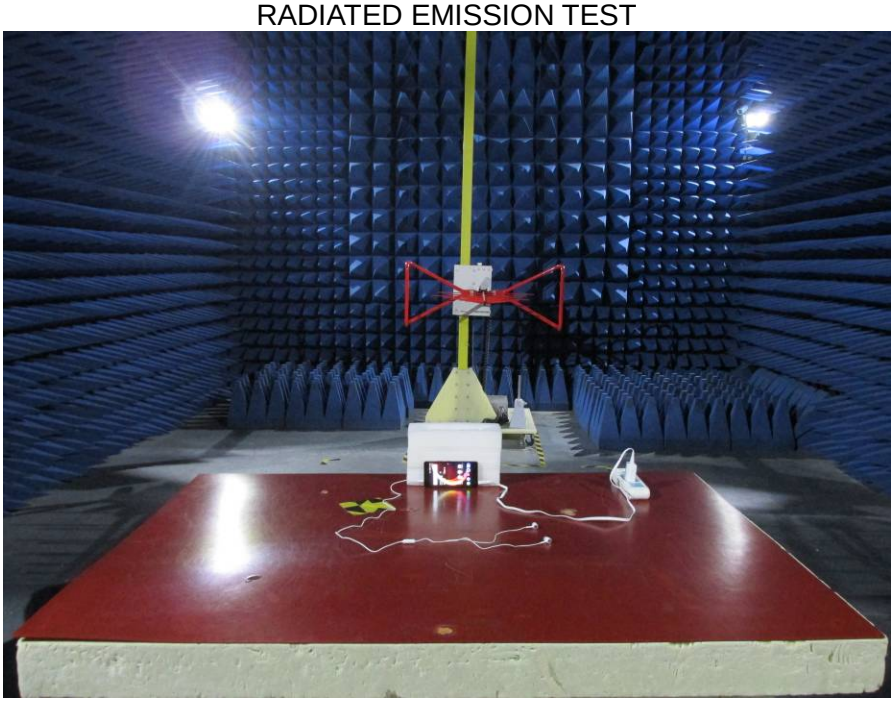
Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
1577.35	V	58.80	39.86	74	54	-15.20	-14.14
2652.38	V	59.36	39.09	74	54	-14.64	-14.91
1699.33	H	60.00	39.55	74	54	-14.00	-14.45
2739.42	H	59.57	40.57	74	54	-14.43	-13.43

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

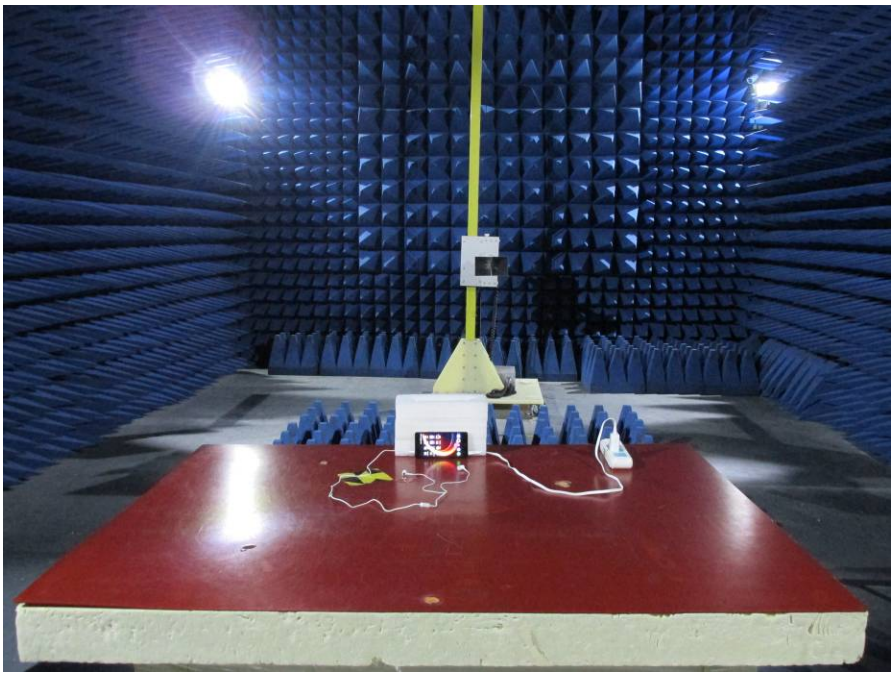
6. EUT TEST PHOTO

CONDUCTED EMISSION TEST

RADIATED EMISSION TEST



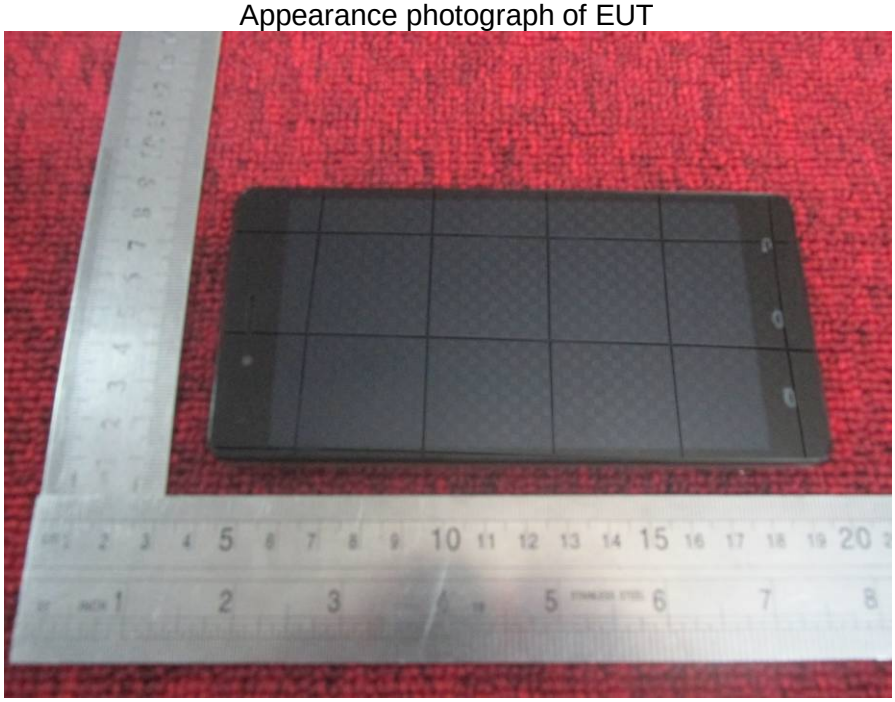
RADIATED EMISSION TEST



7. PHOTOGRAPHS OF EUT

Appearance photograph of EUT

Appearance photograph of EUT



Appearance photograph of EUT

Appearance photograph of EUT

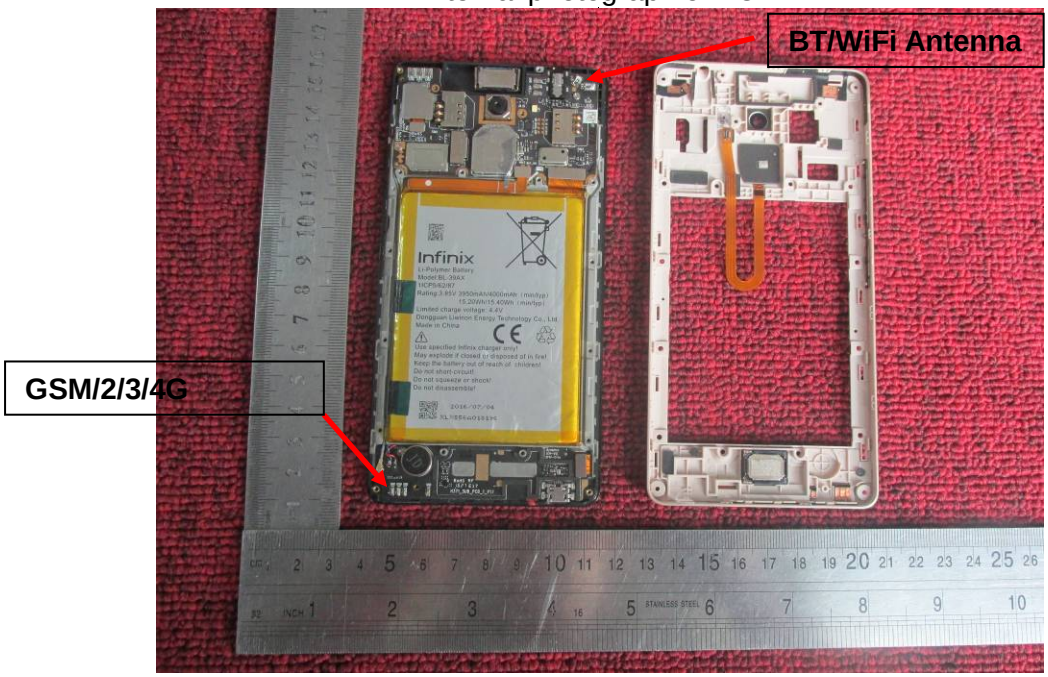
Appearance photograph of EUT

Appearance photograph of EUT

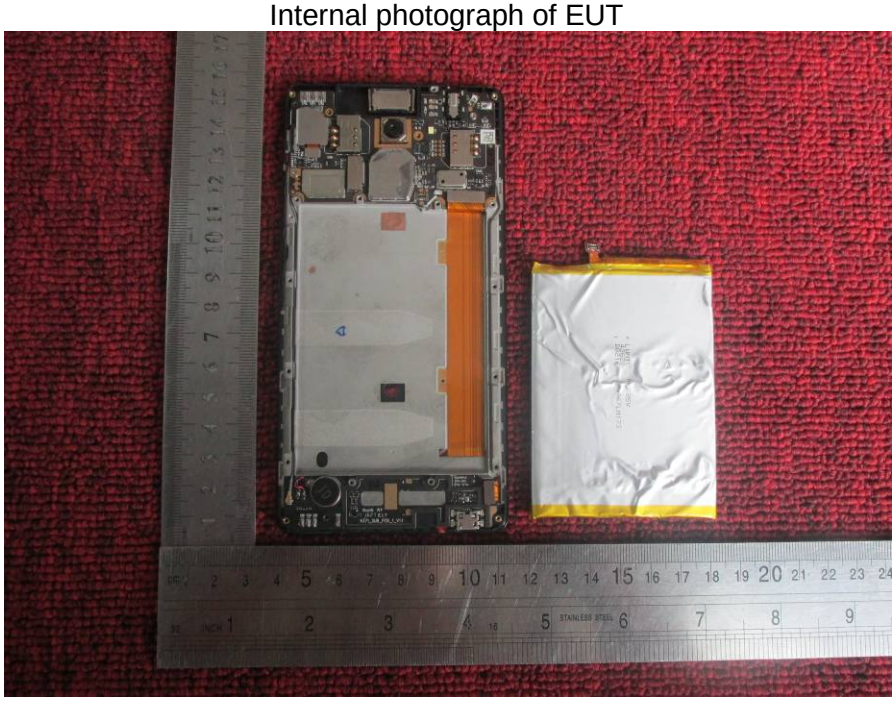
Appearance photograph of EUT

Appearance photograph of EUT

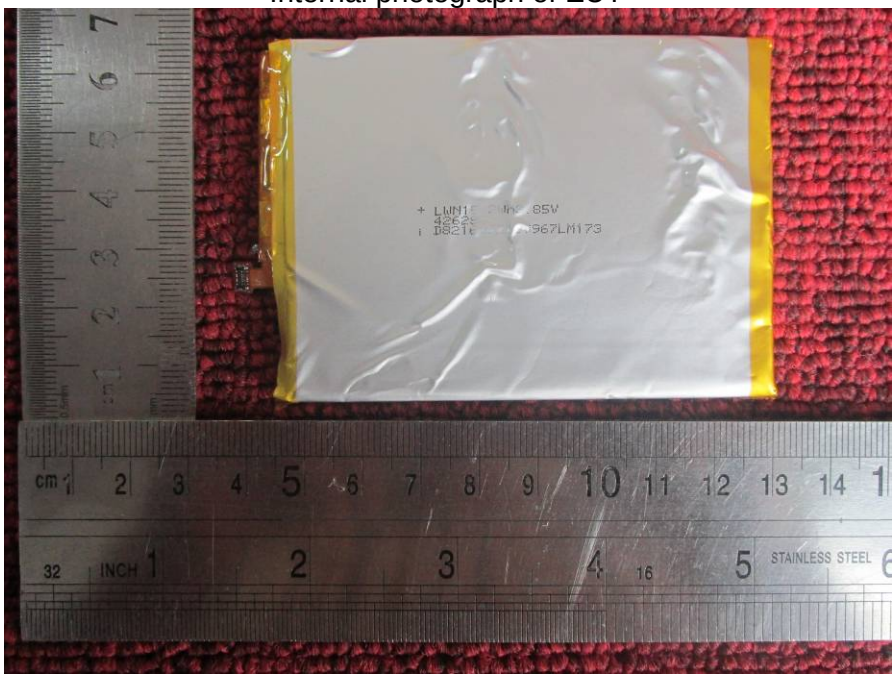
Internal photograph of EUT



Internal photograph of EUT

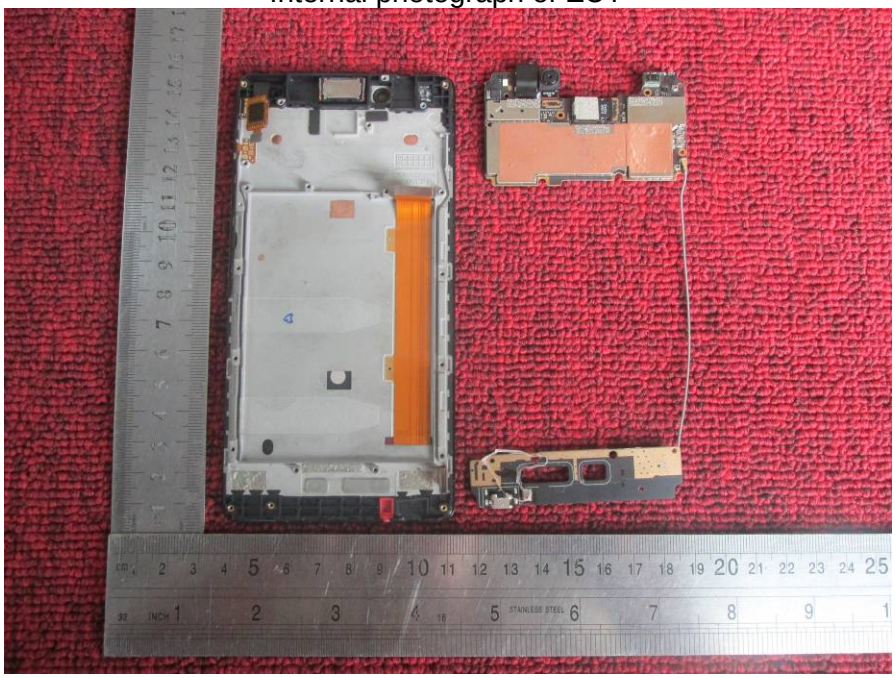


Internal photograph of EUT

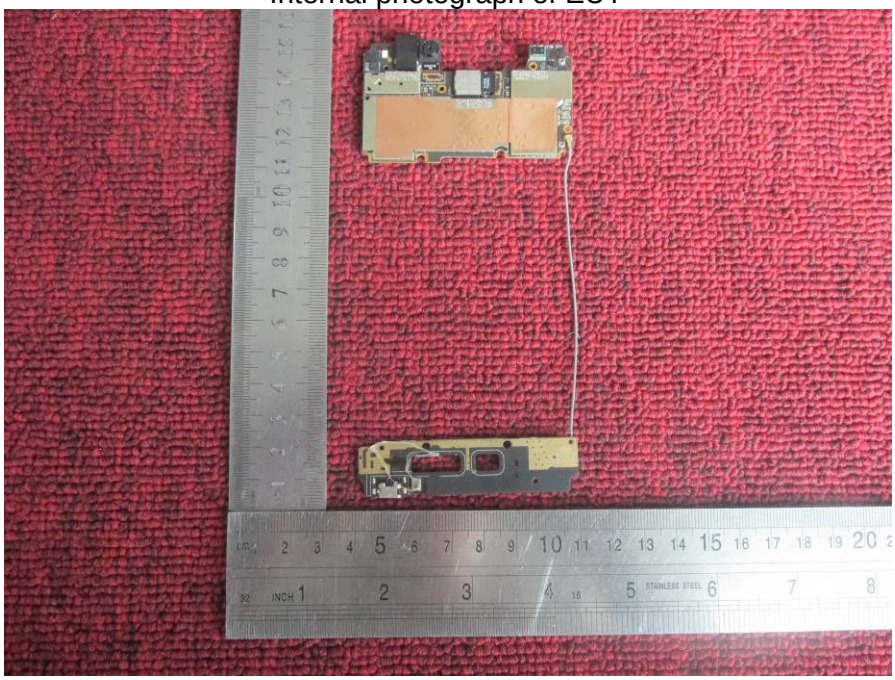


Internal photograph of EUT

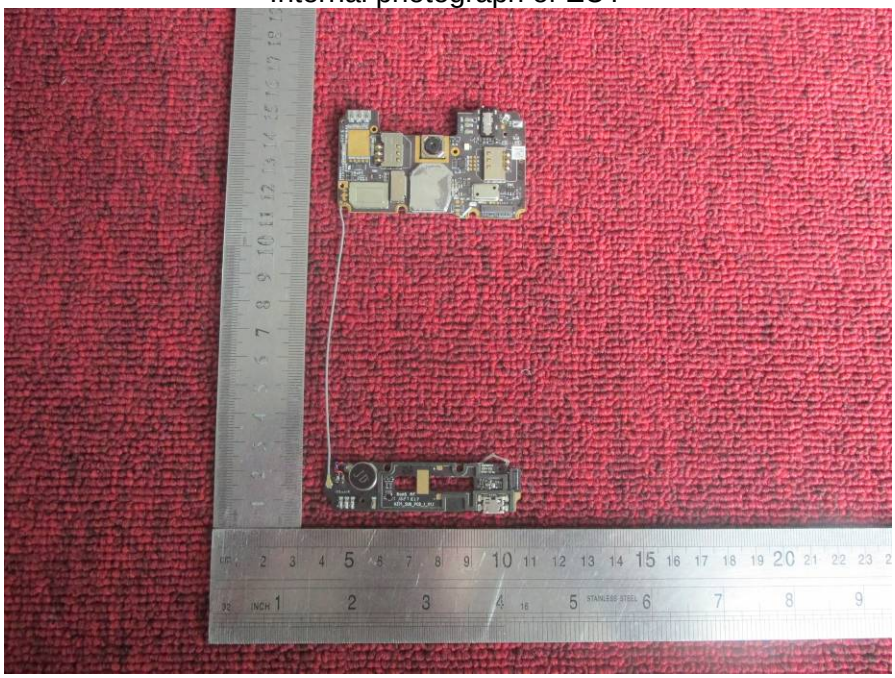
Internal photograph of EUT



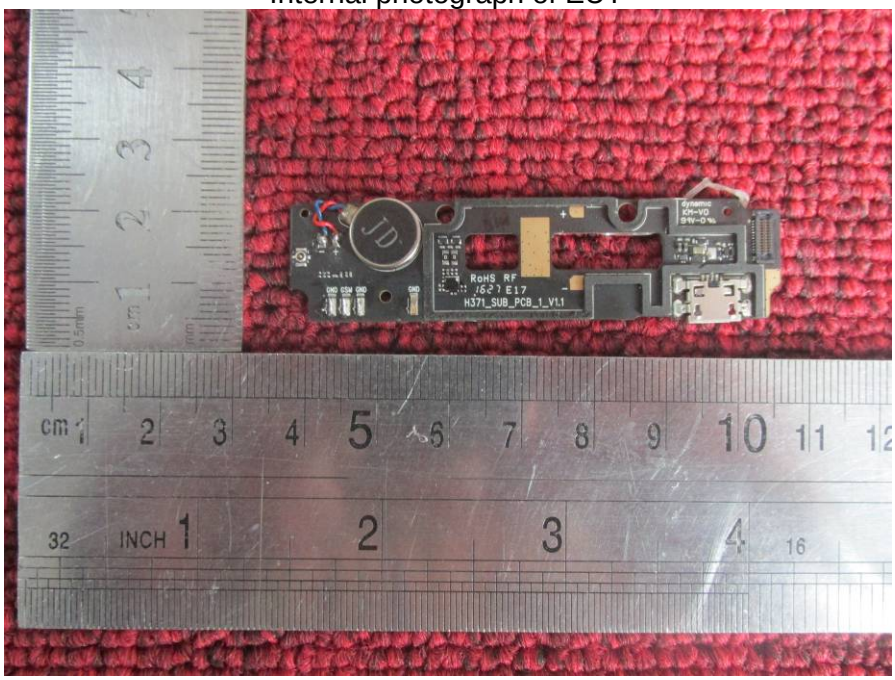
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



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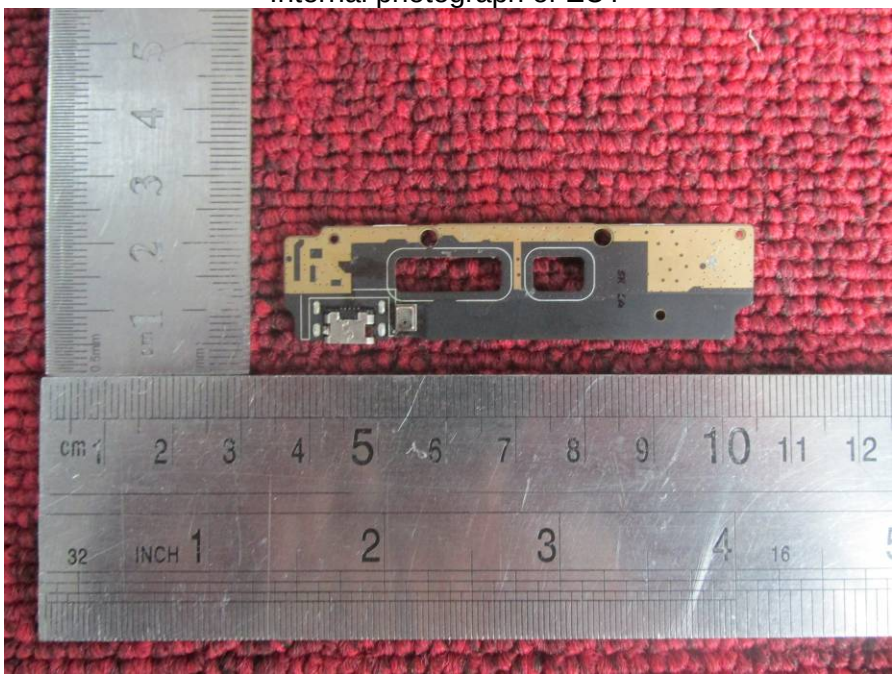
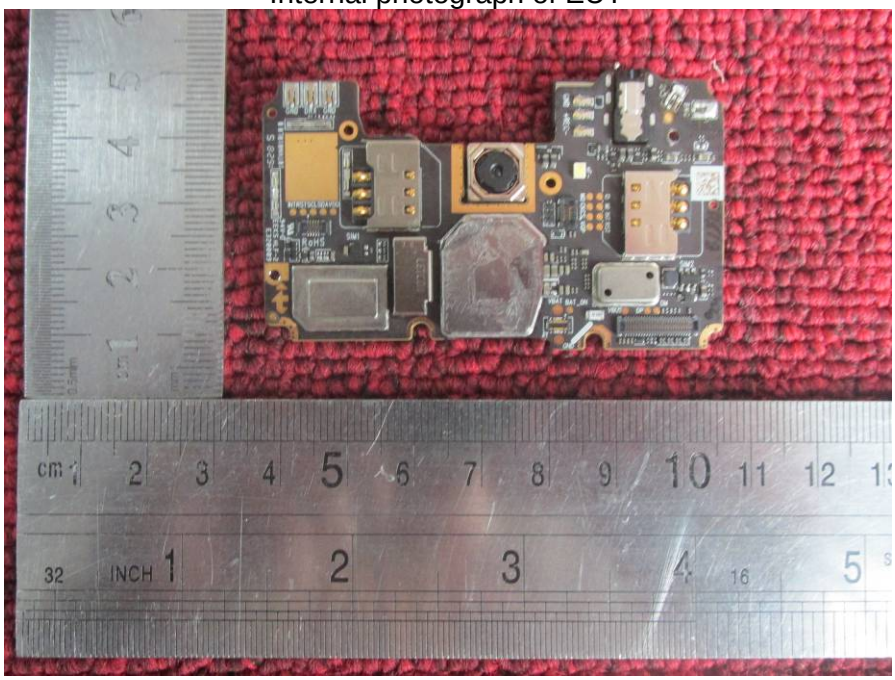
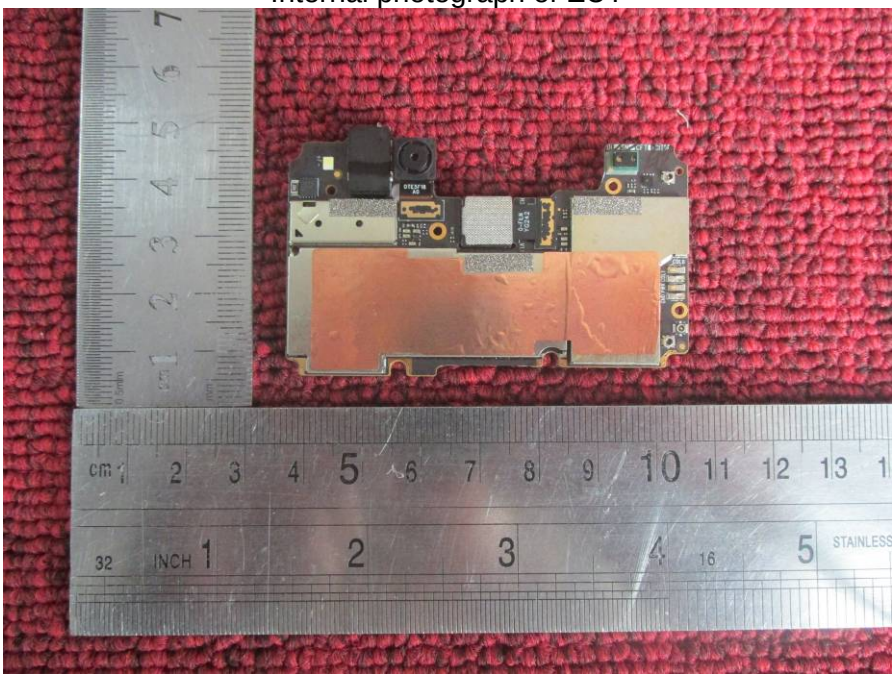


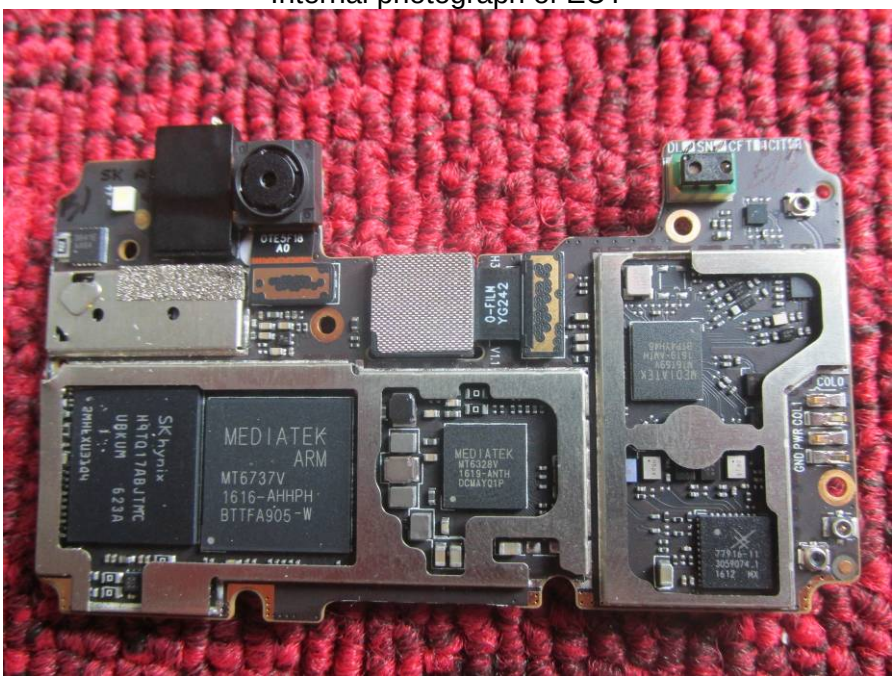
Internal photograph of EUT



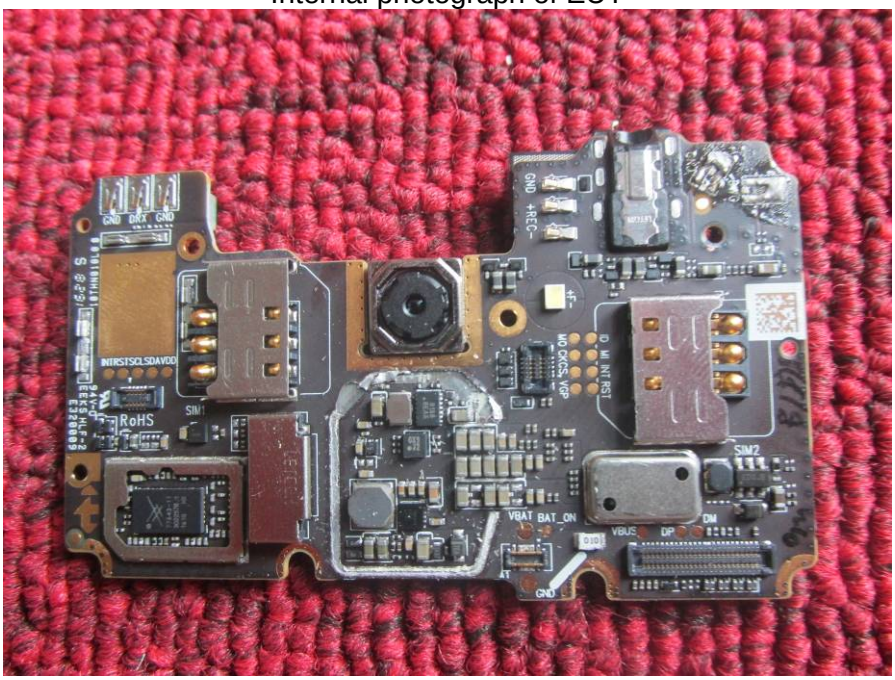
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



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