FCC Report

Application Purpose	:	Original grant
Applicant Name:	:	INFINIX MOBILITY LIMITED
FCC ID	:	2AIZN- X602
Equipment Type	:	Mobile phone
Model Name	:	X602
Report Number	:	FCC16093968A-4
Standard(S)	:	FCC Part 15 Subpart B
Date Of Receipt	:	September 05, 2016
Date Of Issue	:	October 12, 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	/	October 12, 2016	Valid	Original Report
V1.1	/	October 25, 2016	Valid	Original Report

Table of Contents **Page**

1. GENERAL INFORMATION

Test Model	X602
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	V1.1_B1-BOM
Software	X602-H972B1-M-160823V7
Battery information:	Li-Polymer Battery : BL-40FX Voltage: 3.85V Capacity: 4000mAh Limited Charge Voltage: 4.4V
Adapter Information:	Adapter: CQ-18KX Input: 100-240V 50/60Hz 600mA Output: 5V-6V 3A Output: 6V-9V 2A Output: 9V-12V 1.5A
Data of receipt	September 05, 2016
Date of test	September 05, 2016 to October 11 , 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.

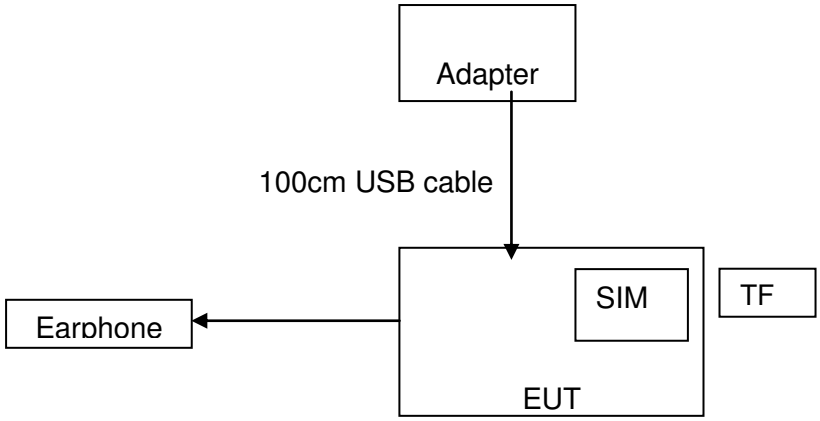
Pretest Mode	Description
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Exchange data with computer
Mode 4	GPS
Mode 5	FM

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

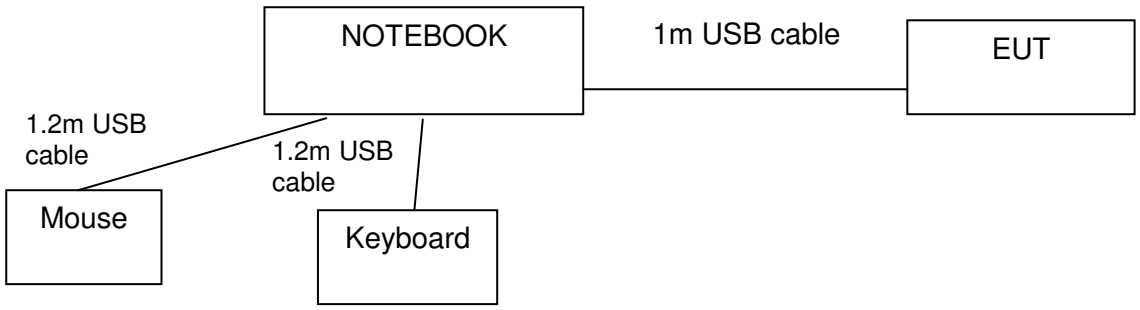
2.3 CONFIGURATION OF SYSTEM UNDER TEST

Mode 1&2&4&5:



(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	/	CQ-18KX	/	/
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

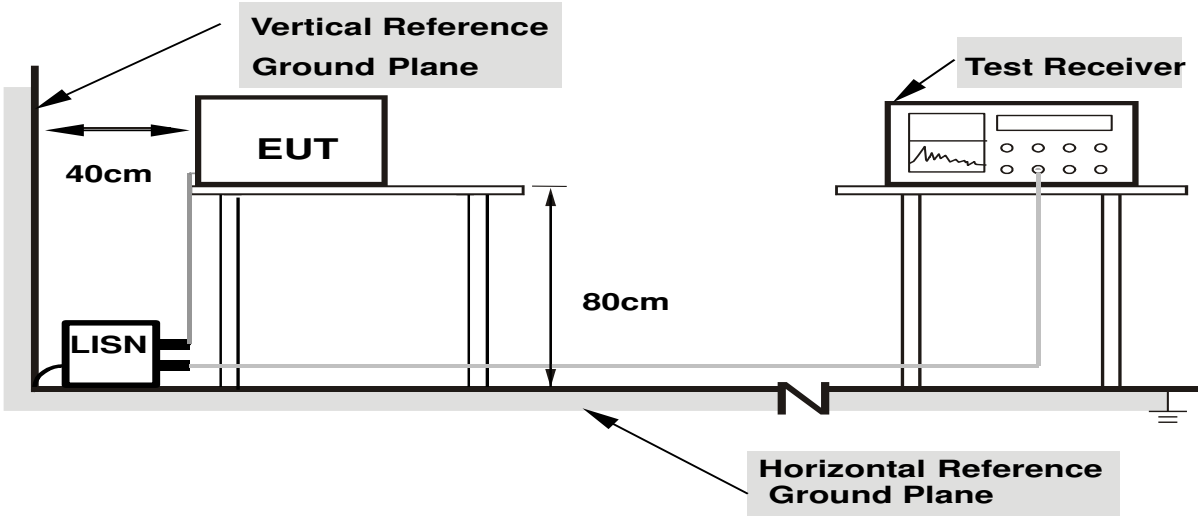
5.1.2 TEST PROCEDURE

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



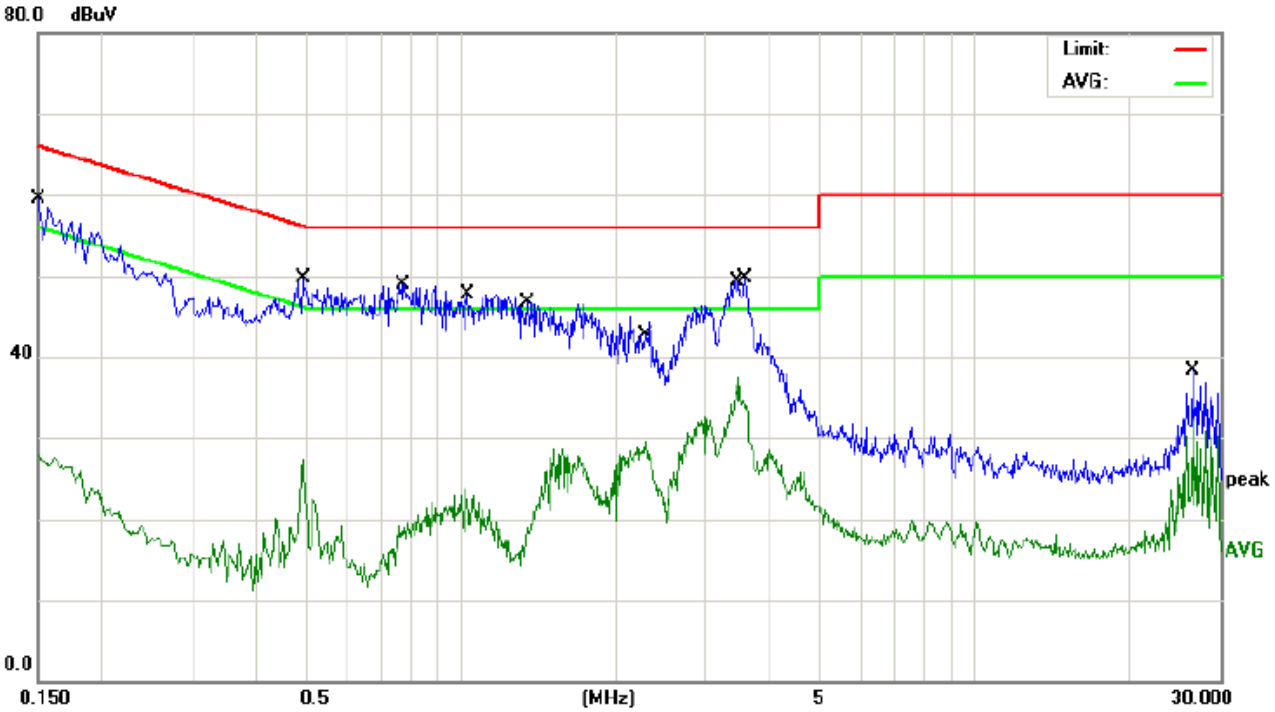
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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.

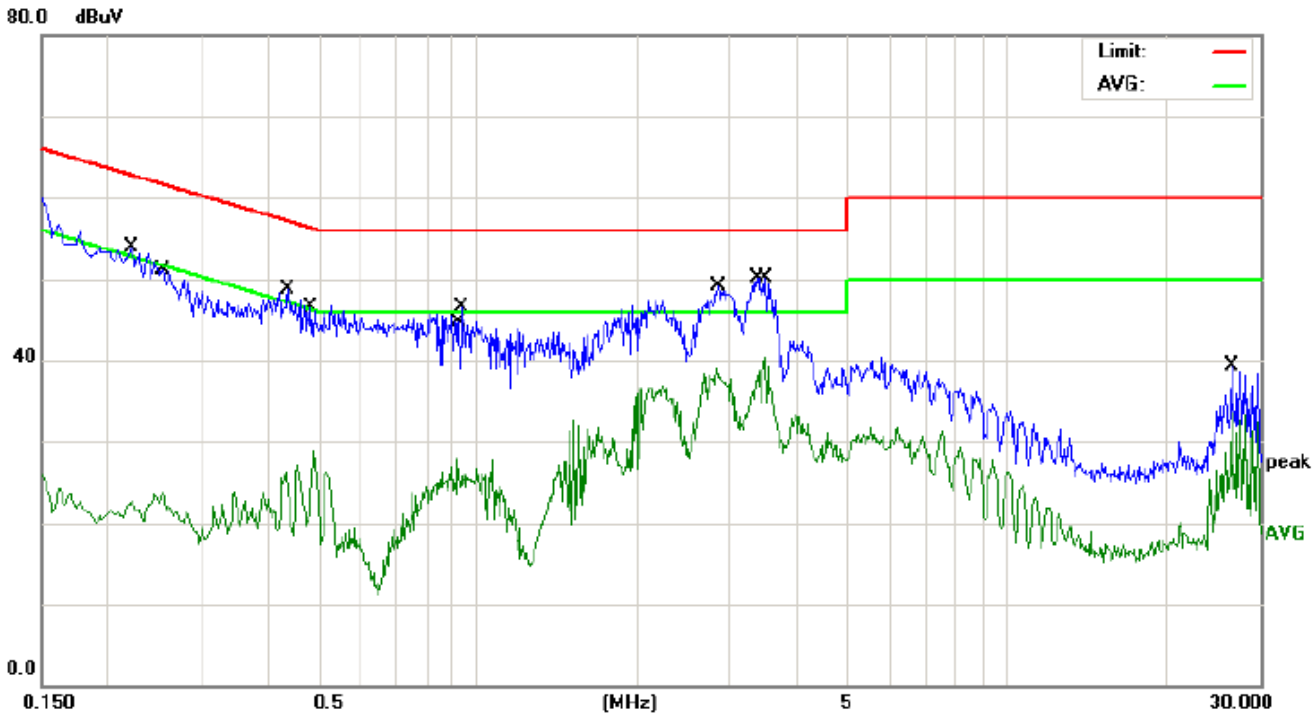
5.1.6 TEST RESULTS

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	September 06, 2016	Test Mode	Mode 1



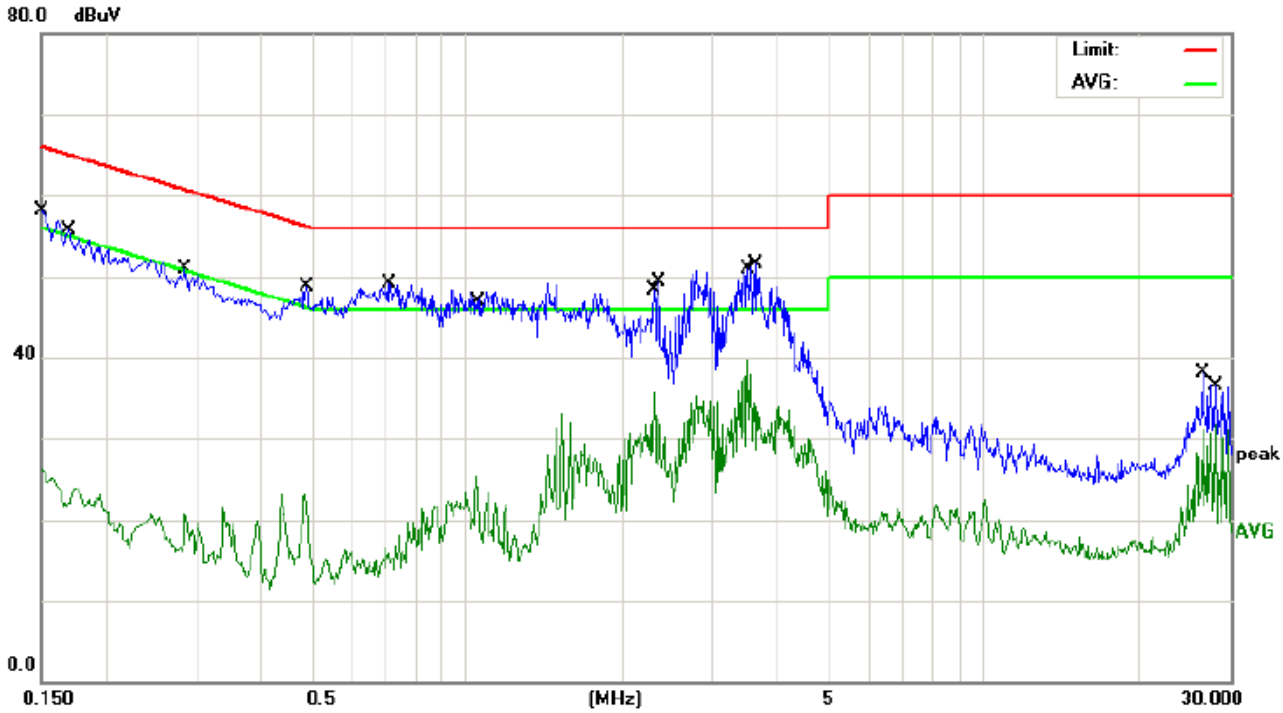
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1499	33.35	20.88	54.23	66.00	-11.77	QP
2		0.1499	7.02	20.88	27.90	56.00	-28.10	AVG
3		0.4940	24.82	20.80	45.62	56.10	-10.48	QP
4		0.4940	6.42	20.80	27.22	46.10	-18.88	AVG
5		0.7700	24.22	20.74	44.96	56.00	-11.04	QP
6		1.0260	2.98	20.68	23.66	46.00	-22.34	AVG
7		1.3500	21.59	20.64	42.23	56.00	-13.77	QP
8		2.2860	8.92	20.56	29.48	46.00	-16.52	AVG
9	*	3.4780	16.98	20.52	37.50	46.00	-8.50	AVG
10		3.5700	24.60	20.52	45.12	56.00	-10.88	QP
11		26.4780	13.92	20.20	34.12	60.00	-25.88	QP
12		26.4780	11.76	20.20	31.96	50.00	-18.04	AVG

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	September 06, 2016	Test Mode	Mode 1



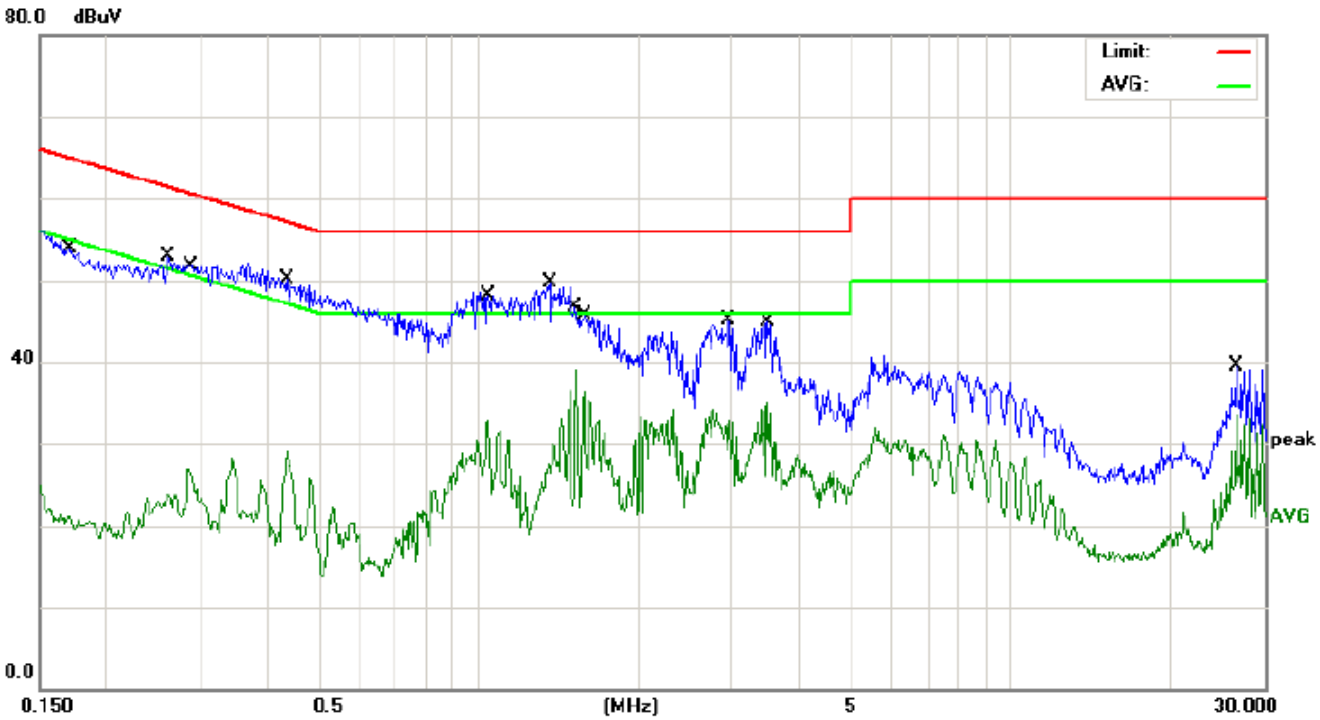
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2220	28.75	20.86	49.61	62.74	-13.13	QP
2		0.2540	2.83	20.86	23.69	51.62	-27.93	AVG
3		0.4380	23.85	20.82	44.67	57.10	-12.43	QP
4		0.4900	8.14	20.80	28.94	46.17	-17.23	AVG
5		0.9140	7.16	20.70	27.86	46.00	-18.14	AVG
6		0.9380	21.21	20.70	41.91	56.00	-14.09	QP
7		2.8380	18.55	20.54	39.09	46.00	-6.91	AVG
8		2.8540	24.61	20.54	45.15	56.00	-10.85	QP
9		3.3780	26.01	20.52	46.53	56.00	-9.47	QP
10	*	3.5020	19.77	20.52	40.29	46.00	-5.71	AVG
11		26.5060	15.03	20.20	35.23	60.00	-24.77	QP
12		26.5060	13.28	20.20	33.48	50.00	-16.52	AVG

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	September 06, 2016	Test Mode	Mode 2



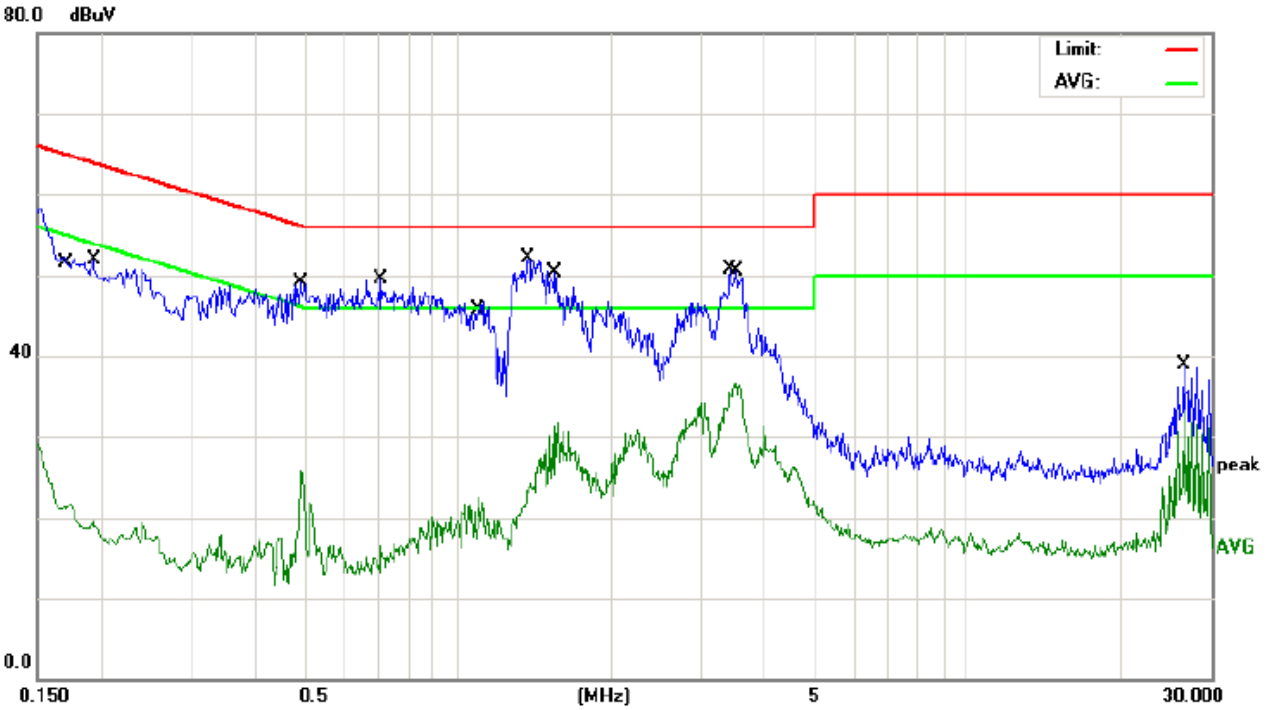
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1500	5.37	20.88	26.25	55.99	-29.74	AVG
2		0.1700	30.83	20.88	51.71	64.96	-13.25	QP
3		0.2860	26.11	20.84	46.95	60.64	-13.69	QP
4		0.4863	2.28	20.80	23.08	46.23	-23.15	AVG
5		0.7060	24.27	20.76	45.03	56.00	-10.97	QP
6		1.0460	4.54	20.68	25.22	46.00	-20.78	AVG
7		2.2980	15.17	20.56	35.73	46.00	-10.27	AVG
8		2.3580	24.82	20.56	45.38	56.00	-10.62	QP
9	*	3.5020	19.15	20.52	39.67	46.00	-6.33	AVG
10		3.6060	25.17	20.52	45.69	56.00	-10.31	QP
11		26.5100	13.96	20.20	34.16	60.00	-25.84	QP
12		28.1300	11.49	20.22	31.71	50.00	-18.29	AVG

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	September 06, 2016	Test Mode	Mode 2



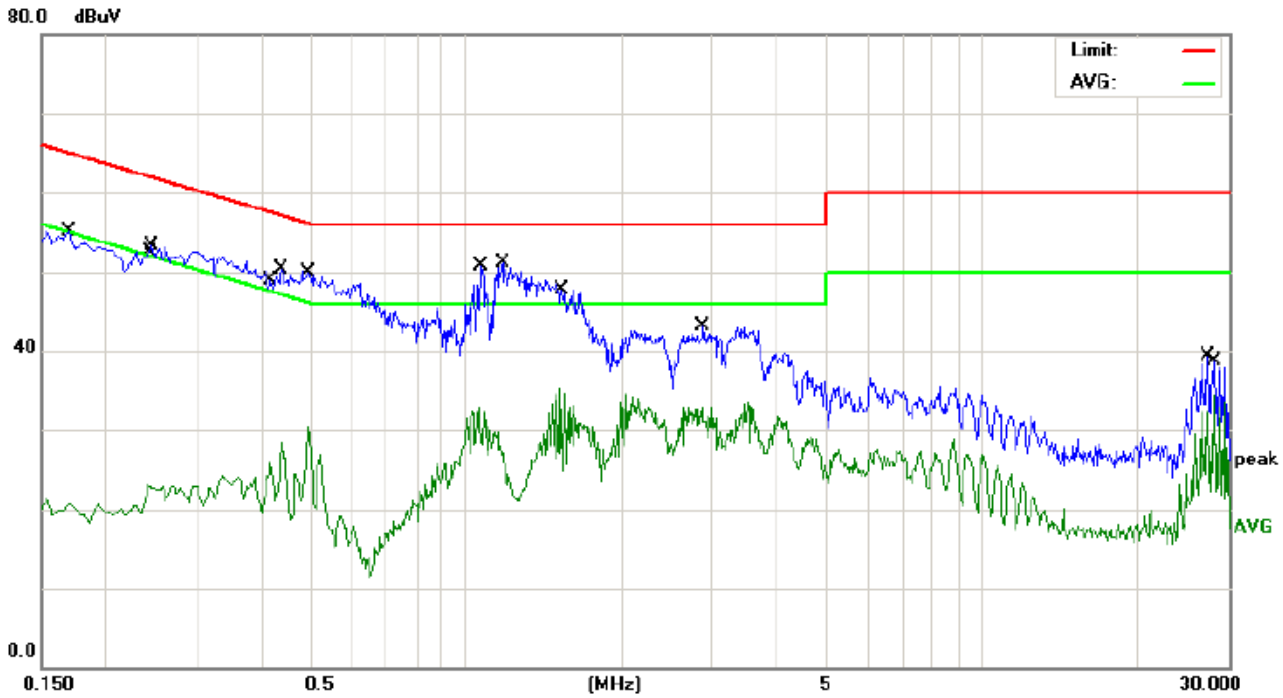
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1711	28.27	20.88	49.15	64.90	-15.75	QP
2		0.2620	29.10	20.86	49.96	61.36	-11.40	QP
3		0.2860	6.03	20.84	26.87	50.64	-23.77	AVG
4		0.4380	8.33	20.82	29.15	47.10	-17.95	AVG
5		1.0460	12.14	20.68	32.82	46.00	-13.18	AVG
6		1.3660	25.04	20.64	45.68	56.00	-10.32	QP
7	*	1.5300	18.48	20.62	39.10	46.00	-6.90	AVG
8		1.5859	21.05	20.62	41.67	56.00	-14.33	QP
9		2.9580	21.04	20.54	41.58	56.00	-14.42	QP
10		3.5020	14.66	20.52	35.18	46.00	-10.82	AVG
11		26.5180	15.39	20.20	35.59	60.00	-24.41	QP
12		26.5180	13.27	20.20	33.47	50.00	-16.53	AVG

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	September 06, 2016	Test Mode	Mode 3



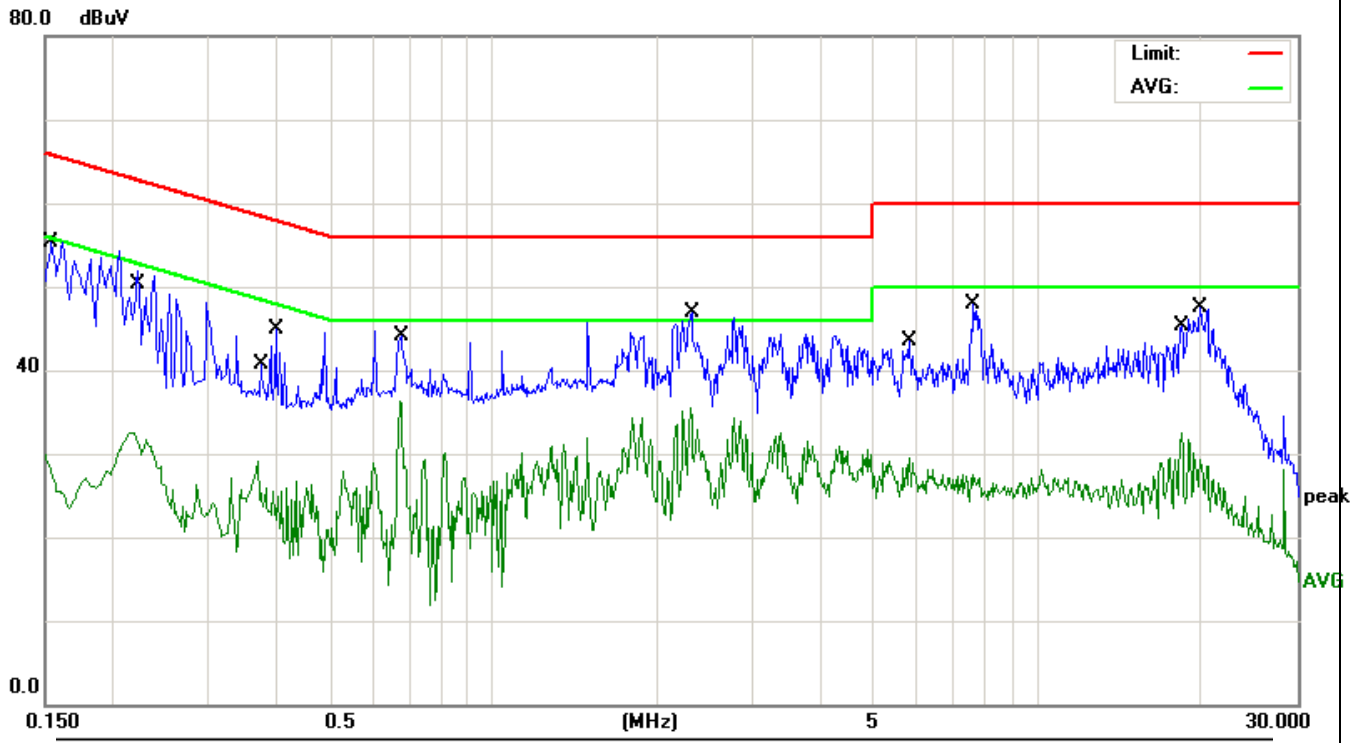
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1740	0.87	20.88	21.75	54.76	-33.01	AVG
2		0.1940	27.04	20.86	47.90	63.86	-15.96	QP
3		0.4940	24.51	20.80	45.31	56.10	-10.79	QP
4		0.4940	4.83	20.80	25.63	46.10	-20.47	AVG
5		0.7100	24.84	20.74	45.58	56.00	-10.42	QP
6		1.1019	1.88	20.66	22.54	46.00	-23.46	AVG
7	*	1.3779	27.31	20.64	47.95	56.00	-8.05	QP
8		1.5740	11.01	20.62	31.63	46.00	-14.37	AVG
9		3.4180	26.01	20.52	46.53	56.00	-9.47	QP
10		3.5140	16.23	20.52	36.75	46.00	-9.25	AVG
11		26.4740	14.51	20.20	34.71	60.00	-25.29	QP
12		26.4740	12.89	20.20	33.09	50.00	-16.91	AVG

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	September 06, 2016	Test Mode	Mode 3



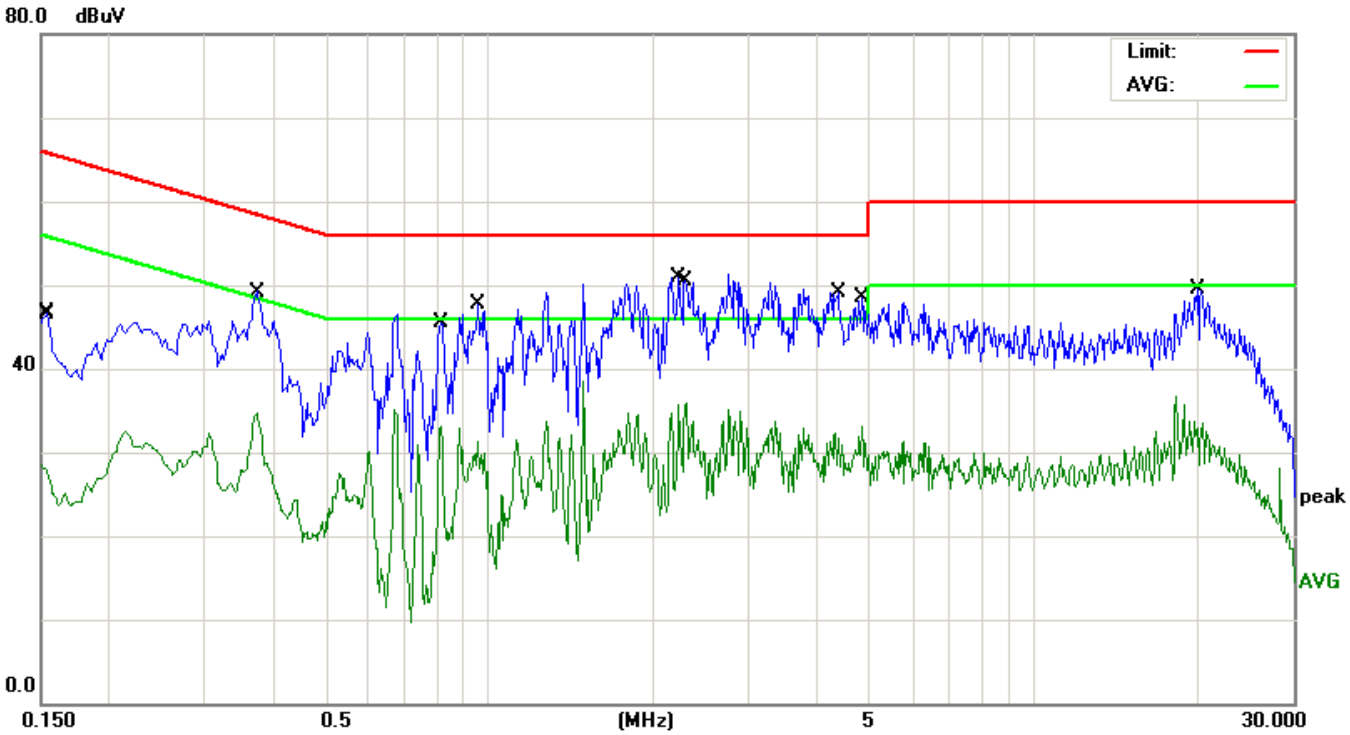
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1700	29.27	20.88	50.15	64.96	-14.81	QP
2		0.2404	1.29	20.86	22.15	52.08	-29.93	AVG
3		0.2460	28.48	20.86	49.34	61.89	-12.55	QP
4		0.4180	5.10	20.82	25.92	47.49	-21.57	AVG
5		0.4380	25.56	20.82	46.38	57.10	-10.72	QP
6		0.4940	9.63	20.80	30.43	46.10	-15.67	AVG
7		1.0580	12.26	20.68	32.94	46.00	-13.06	AVG
8		1.1740	16.35	20.66	37.01	56.00	-18.99	QP
9	*	1.5260	14.71	20.62	35.33	46.00	-10.67	AVG
10		2.8740	18.56	20.54	39.10	56.00	-16.90	QP
11		27.4060	15.06	20.20	35.26	60.00	-24.74	QP
12		28.0500	14.01	20.22	34.23	50.00	-15.77	AVG

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	September 06, 2016	Test Mode	Mode 4



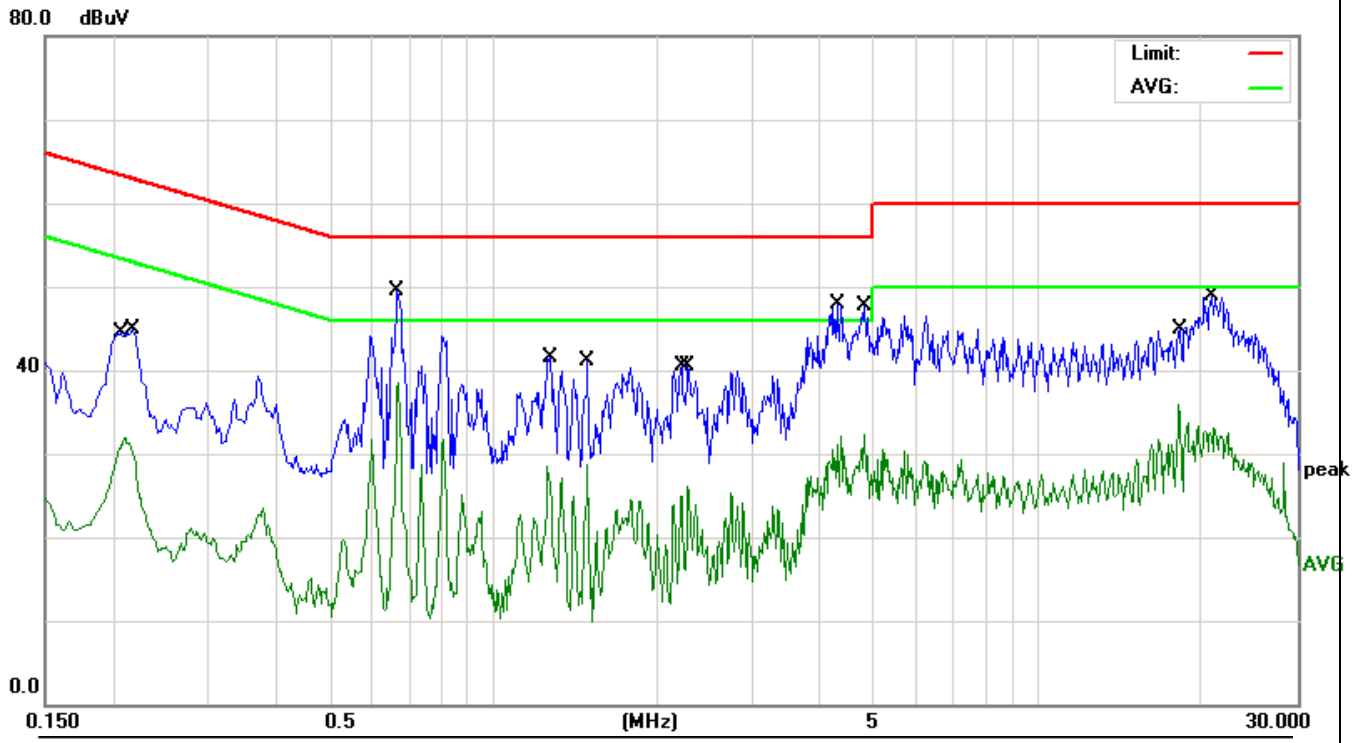
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1539	40.91	10.44	51.35	65.78	-14.43	QP
2		0.2180	22.12	10.43	32.55	52.89	-20.34	AVG
3		0.3700	18.75	10.41	29.16	48.50	-19.34	AVG
4		0.3980	30.42	10.41	40.83	57.89	-17.06	QP
5	*	0.6740	25.92	10.38	36.30	46.00	-9.70	AVG
6		0.6780	29.79	10.38	40.17	56.00	-15.83	QP
7		2.3020	25.16	10.28	35.44	46.00	-10.56	AVG
8		2.3100	32.53	10.28	42.81	56.00	-13.19	QP
9		5.8140	19.32	10.22	29.54	50.00	-20.46	AVG
10		7.6460	33.50	10.21	43.71	60.00	-16.29	QP
11		18.3660	22.29	10.13	32.42	50.00	-17.58	AVG
12		19.9220	32.03	10.12	42.15	60.00	-17.85	QP

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	September 06, 2016	Test Mode	Mode 4



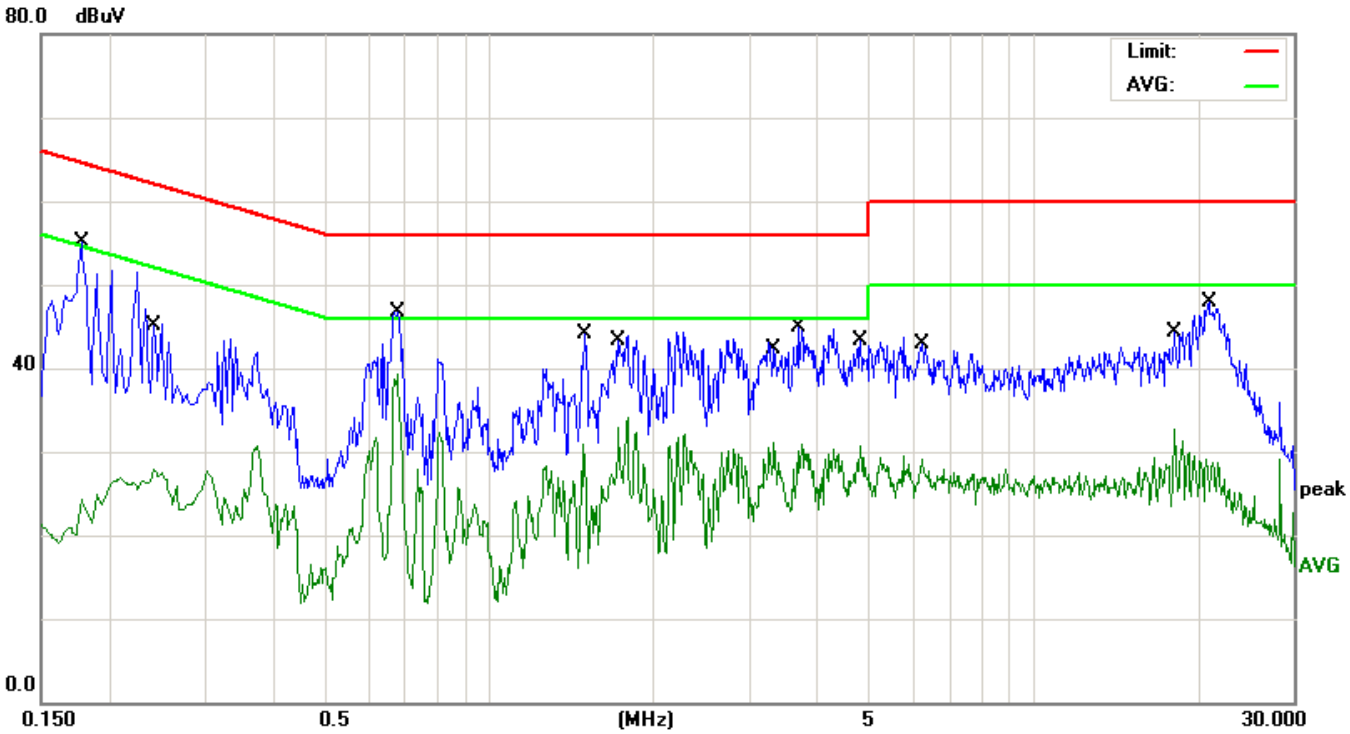
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1500	18.09	10.44	28.53	55.99	-27.46	AVG
2		0.1539	31.83	10.44	42.27	65.78	-23.51	QP
3		0.3740	34.72	10.41	45.13	58.41	-13.28	QP
4		0.3740	24.23	10.41	34.64	48.41	-13.77	AVG
5		0.8139	22.68	10.36	33.04	46.00	-12.96	AVG
6		0.9580	31.96	10.34	42.30	56.00	-13.70	QP
7	*	2.2300	35.90	10.29	46.19	56.00	-9.81	QP
8		2.2980	25.68	10.28	35.96	46.00	-10.04	AVG
9		4.3780	34.92	10.24	45.16	56.00	-10.84	QP
10		4.8420	22.90	10.23	33.13	46.00	-12.87	AVG
11		19.7820	23.59	10.12	33.71	50.00	-16.29	AVG
12		19.9619	34.80	10.12	44.92	60.00	-15.08	QP

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	September 06, 2016	Test Mode	Mode 5



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2100	21.43	10.43	31.86	53.20	-21.34	AVG
2		0.2180	30.28	10.43	40.71	62.89	-22.18	QP
3		0.6660	35.57	10.38	45.95	56.00	-10.05	QP
4	*	0.6700	28.07	10.38	38.45	46.00	-7.55	AVG
5		1.2700	27.13	10.33	37.46	56.00	-18.54	QP
6		1.4940	18.41	10.32	28.73	46.00	-17.27	AVG
7		2.2139	25.88	10.29	36.17	56.00	-19.83	QP
8		2.2820	15.91	10.28	26.19	46.00	-19.81	AVG
9		4.2860	33.68	10.24	43.92	56.00	-12.08	QP
10		4.8020	22.00	10.23	32.23	46.00	-13.77	AVG
11		18.1700	25.71	10.13	35.84	50.00	-14.16	AVG
12		20.9020	34.04	10.12	44.16	60.00	-15.84	QP

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	September 06, 2016	Test Mode	Mode 5



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1777	40.61	10.44	51.05	64.59	-13.54	QP
2		0.2416	17.51	10.43	27.94	52.04	-24.10	AVG
3		0.6790	32.28	10.38	42.66	56.00	-13.34	QP
4	*	0.6790	28.82	10.38	39.20	46.00	-6.80	AVG
5		1.4953	29.81	10.32	40.13	56.00	-15.87	QP
6		1.7253	22.51	10.30	32.81	46.00	-13.19	AVG
7		3.3281	20.89	10.26	31.15	46.00	-14.85	AVG
8		3.6806	30.50	10.26	40.76	56.00	-15.24	QP
9		4.7969	20.44	10.23	30.67	46.00	-15.33	AVG
10		6.2189	27.92	10.22	38.14	60.00	-21.86	QP
11		18.0393	22.54	10.13	32.67	50.00	-17.33	AVG
12		20.9243	33.05	10.12	43.17	60.00	-16.83	QP

5.2 RADIATED EMISSION MEASUREMENT

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

The field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

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 15B.

(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:

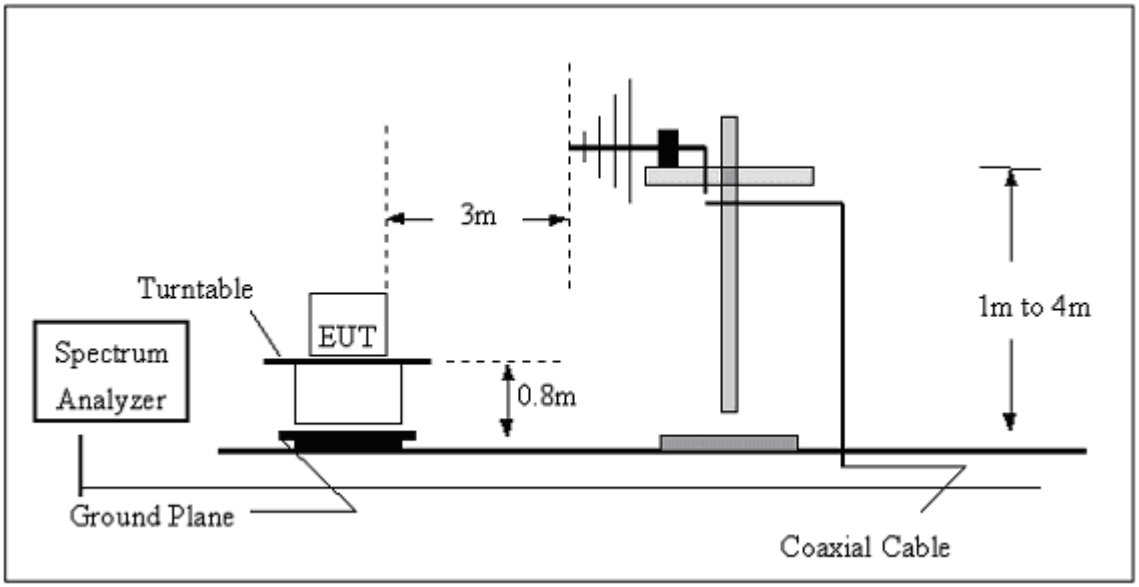
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

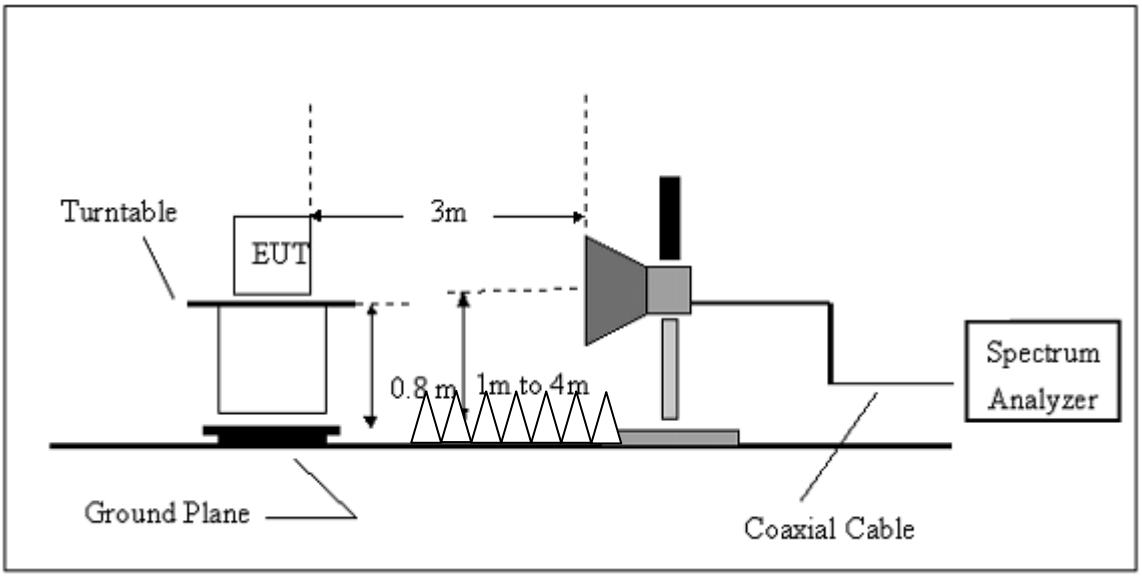
No deviation

5.2.4 TEST SETUP

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



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

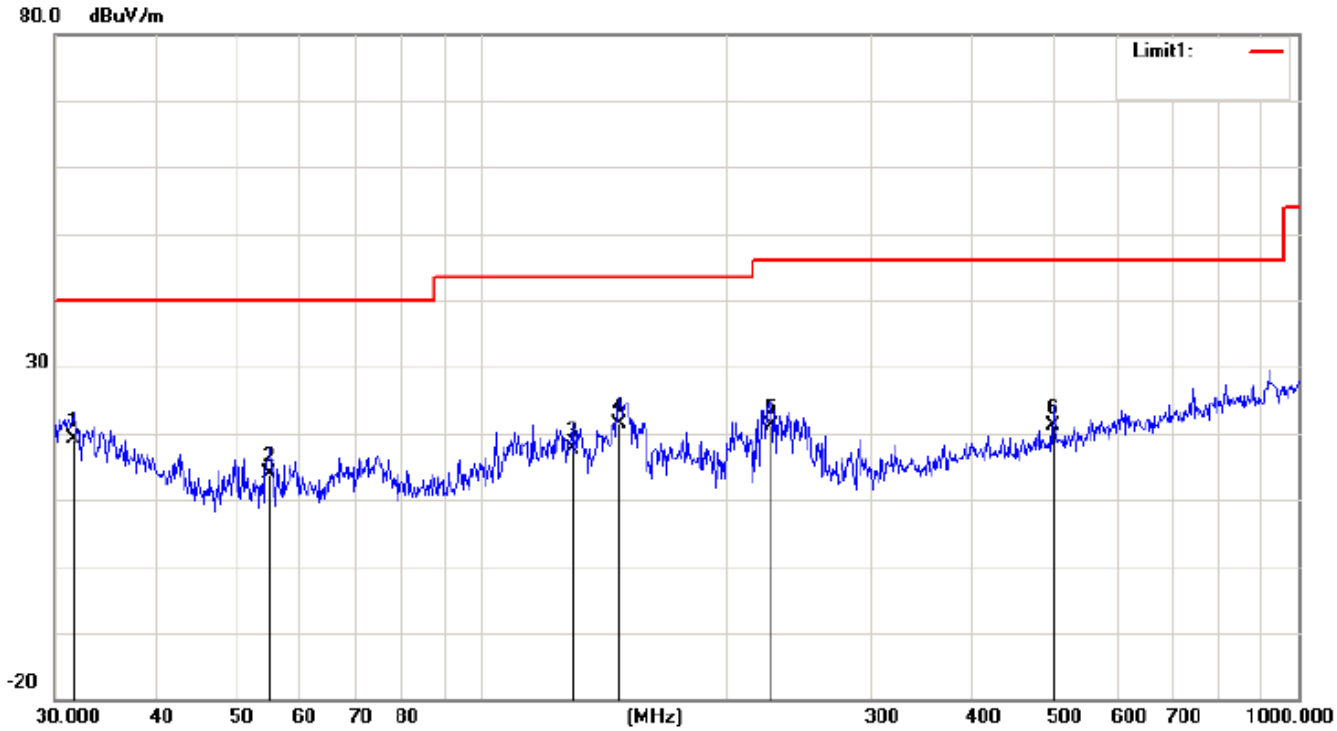


5.2.5 EUT OPERATING CONDITIONS

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.

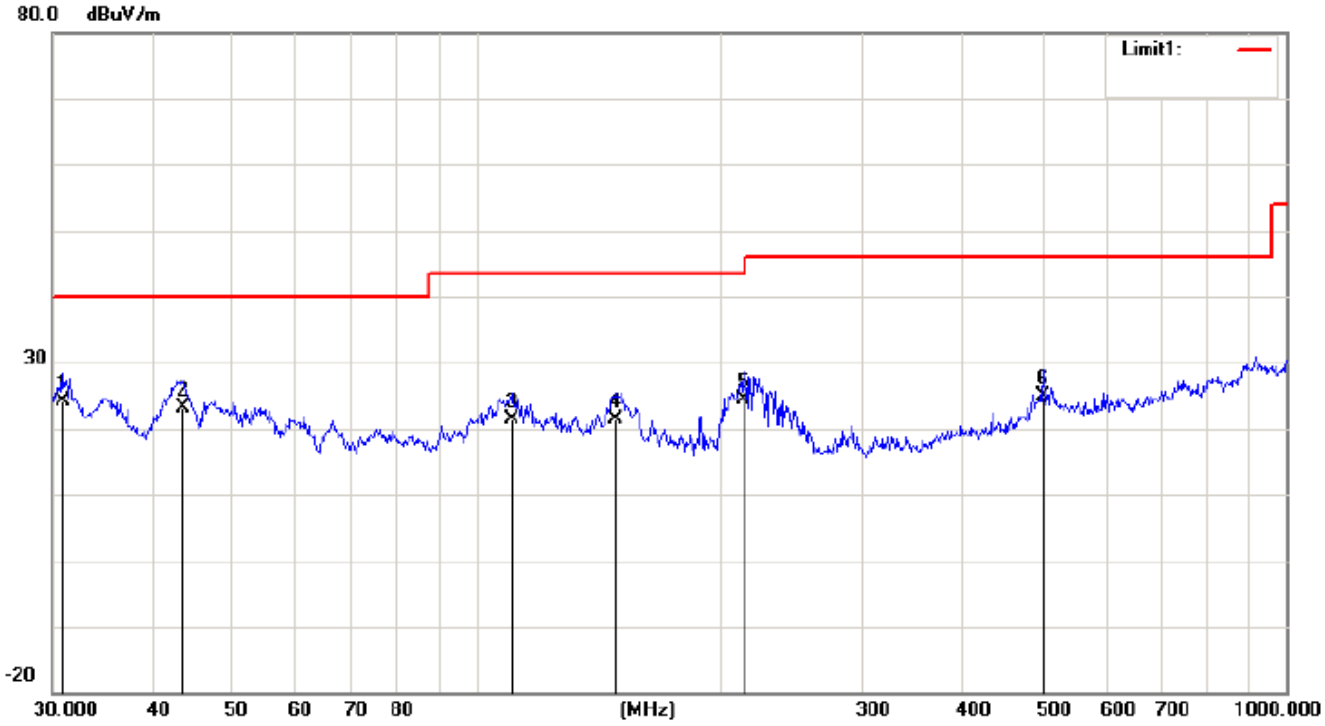
5.2.5.1 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 1	Test Date	September 06, 2016



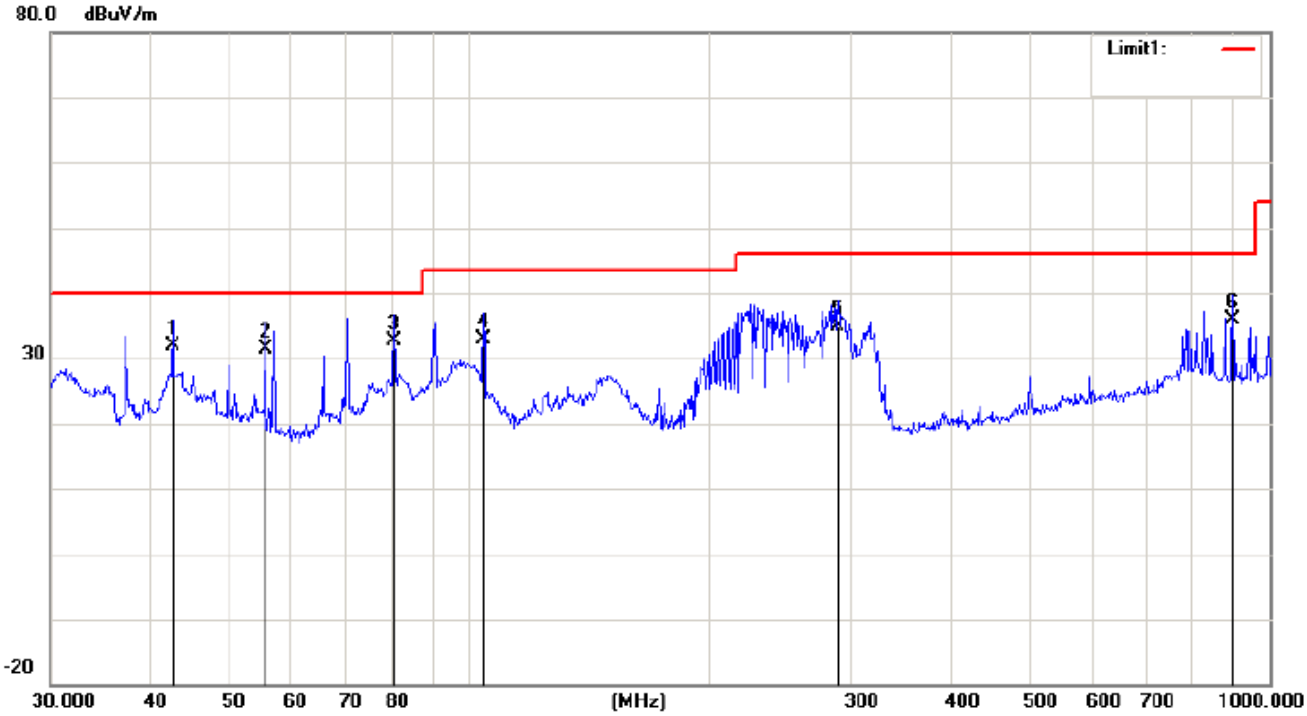
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	31.6202	16.77	2.40	19.17	40.00	-20.83	QP
2		55.0274	23.36	-9.50	13.86	40.00	-26.14	QP
3		129.0146	19.74	-2.18	17.56	43.50	-25.94	QP
4		147.4036	25.07	-3.61	21.46	43.50	-22.04	QP
5		226.8936	26.92	-5.78	21.14	46.00	-24.86	QP
6		501.1790	22.10	-1.00	21.10	46.00	-24.90	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 1	Test Date	September 06, 2016



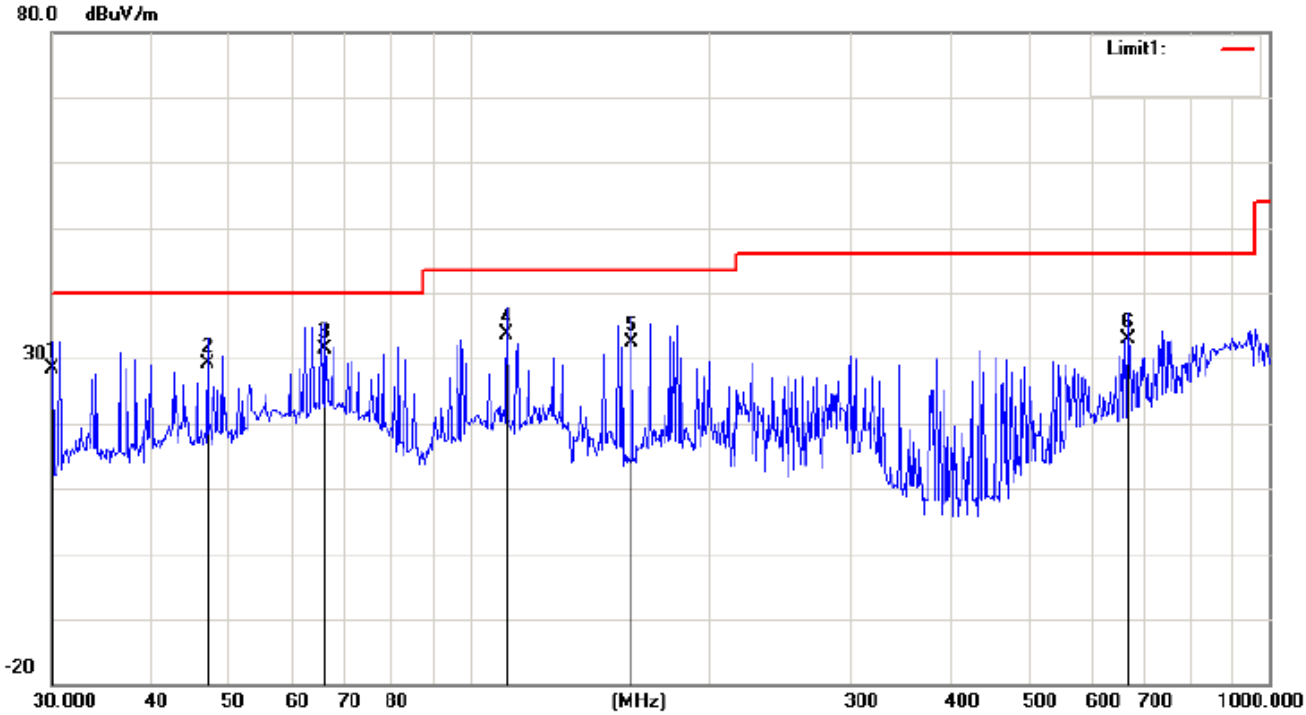
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	30.8535	21.32	2.92	24.24	40.00	-15.76	QP
2		43.5057	28.98	-5.91	23.07	40.00	-16.93	QP
3		110.5687	24.80	-3.48	21.32	43.50	-22.18	QP
4		148.9625	25.16	-3.76	21.40	43.50	-22.10	QP
5		213.7634	29.72	-5.31	24.41	43.50	-19.09	QP
6		501.1790	25.80	-1.00	24.80	46.00	-21.20	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 2	Test Date	September 06, 2016



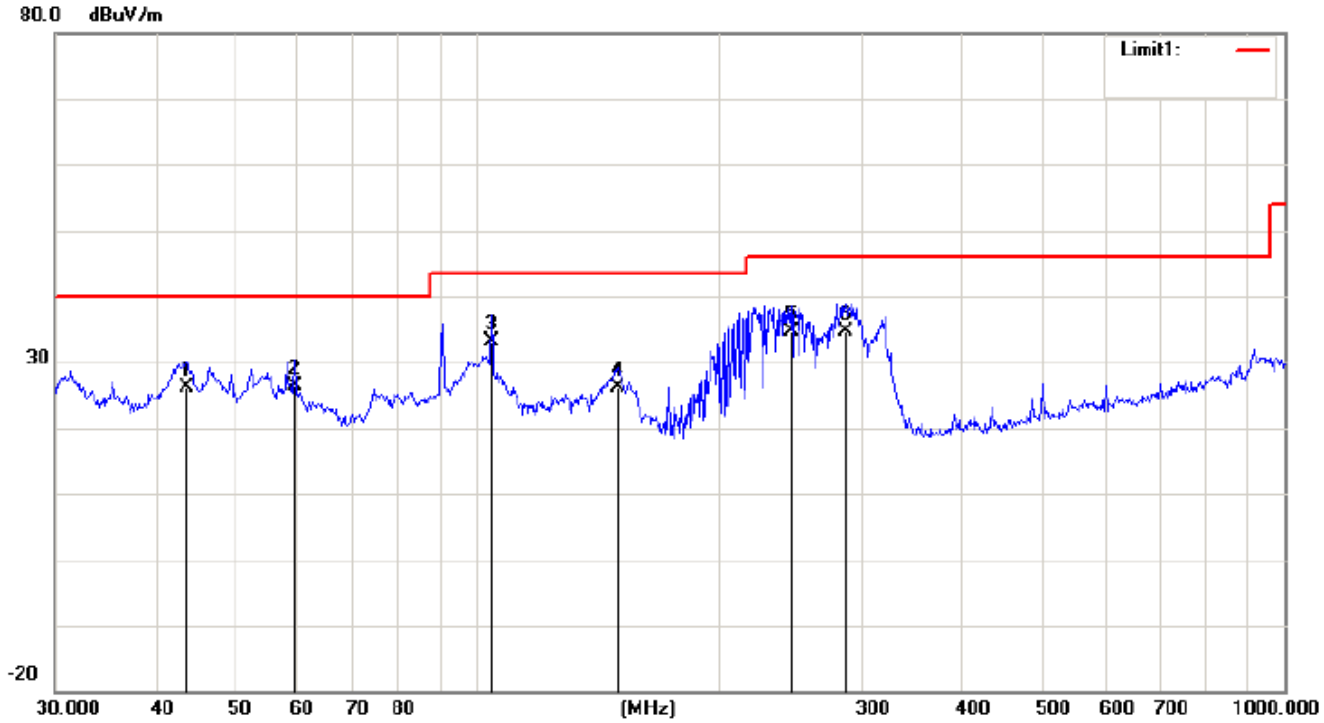
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		42.6000	37.20	-5.29	31.91	40.00	-8.09	QP
2		55.6094	40.81	-9.49	31.32	40.00	-8.68	QP
3	*	80.6442	40.52	-7.78	32.74	40.00	-7.26	QP
4		104.1701	37.96	-5.18	32.78	43.50	-10.72	QP
5		289.0021	40.83	-5.91	34.92	46.00	-11.08	QP
6		900.1474	30.18	5.73	35.91	46.00	-10.09	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 2	Test Date	September 06, 2016



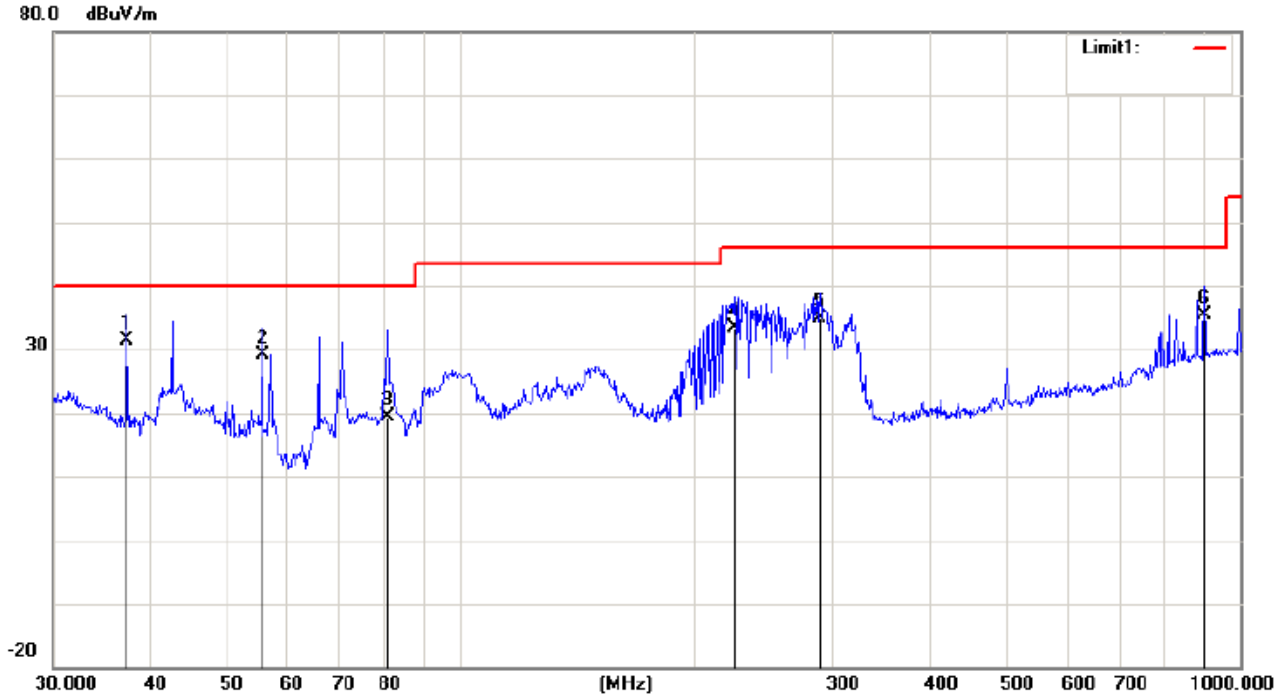
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		30.1054	25.00	3.42	28.42	40.00	-11.58	QP
2		46.9948	37.00	-7.77	29.23	40.00	-10.77	QP
3	*	65.8031	39.97	-8.63	31.34	40.00	-8.66	QP
4		111.3468	36.87	-3.36	33.51	43.50	-9.99	QP
5		159.7844	36.80	-4.34	32.46	43.50	-11.04	QP
6		665.8035	31.11	1.85	32.96	46.00	-13.04	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 3	Test Date	September 06, 2016



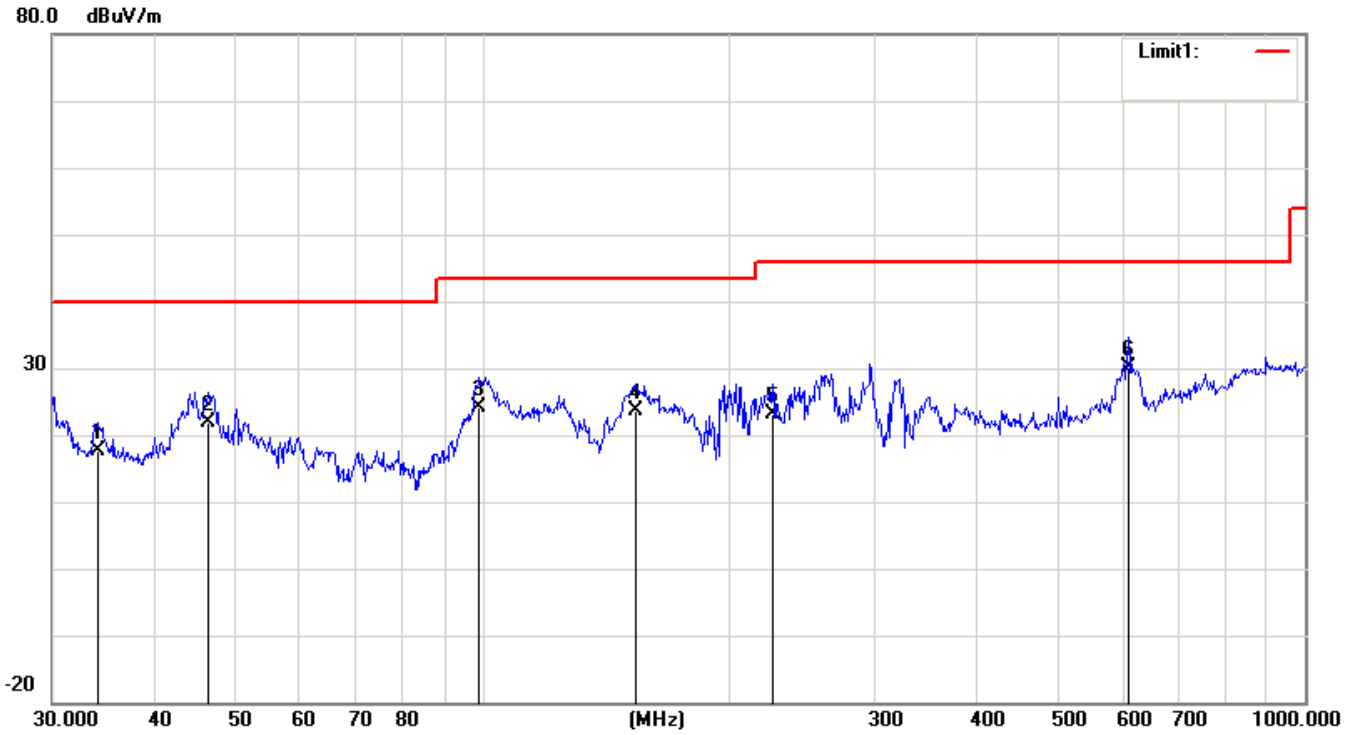
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		43.6584	32.13	-6.01	26.12	40.00	-13.88	QP
2		59.4405	35.67	-9.40	26.27	40.00	-13.73	QP
3	*	104.1701	38.19	-5.18	33.01	43.50	-10.49	QP
4		149.4857	29.82	-3.81	26.01	43.50	-17.49	QP
5		245.0900	41.02	-6.42	34.60	46.00	-11.40	QP
6		285.9778	40.52	-5.96	34.56	46.00	-11.44	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 3	Test Date	September 06, 2016



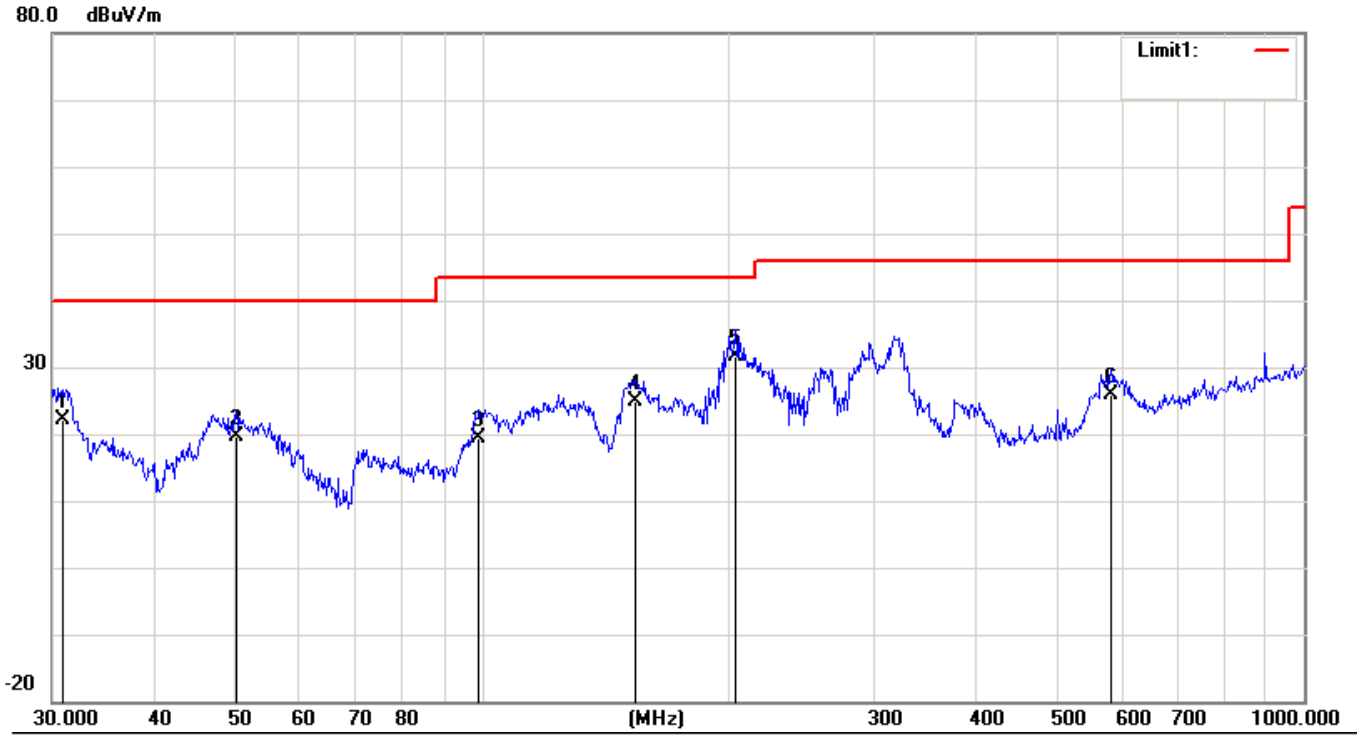
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	37.2855	32.87	-1.53	31.34	40.00	-8.66	QP
2		55.6094	38.72	-9.49	29.23	40.00	-10.77	QP
3		80.6442	27.21	-7.78	19.43	40.00	-20.57	QP
4		224.5193	38.97	-5.70	33.27	46.00	-12.73	QP
5		289.0021	40.83	-5.91	34.92	46.00	-11.08	QP
6		900.1474	29.68	5.73	35.41	46.00	-10.59	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 4	Test Date	September 06, 2016



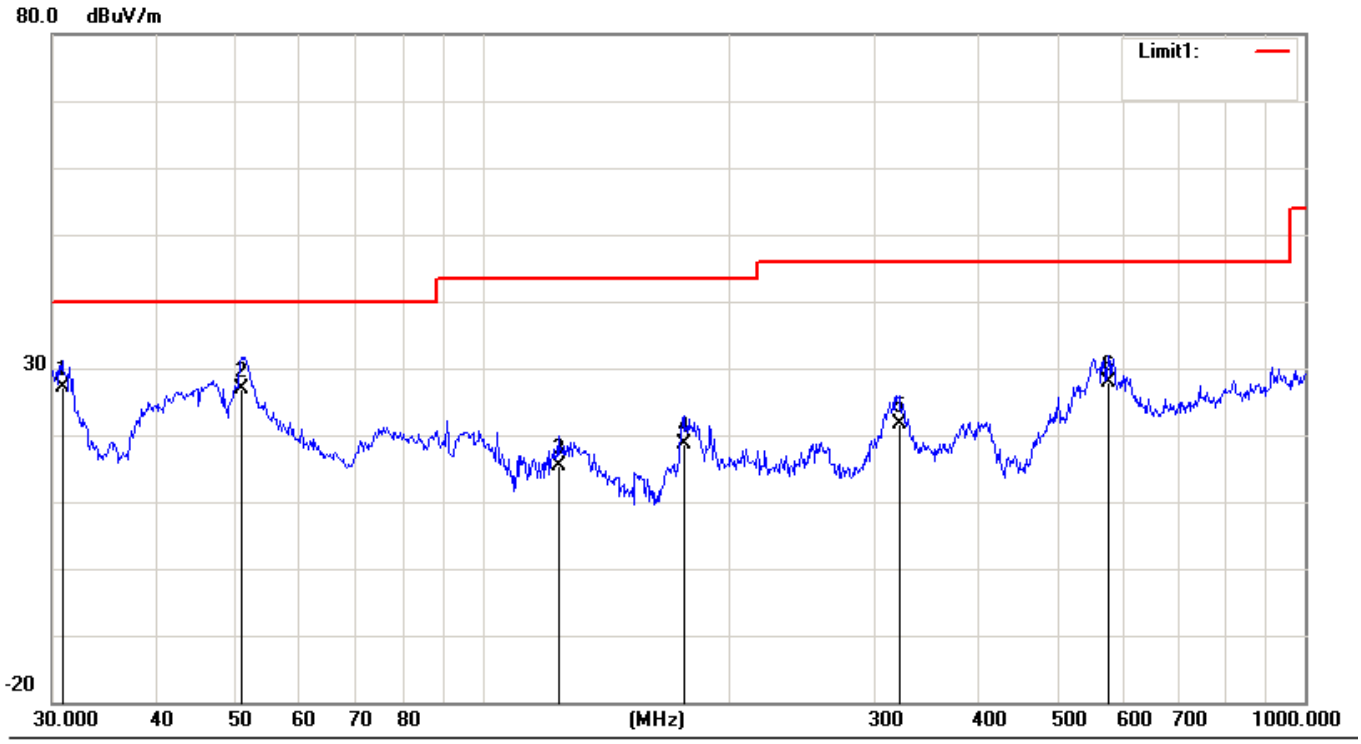
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		34.0363	16.87	0.78	17.65	40.00	-22.35	QP
2		46.5030	29.49	-7.56	21.93	40.00	-18.07	QP
3		99.1795	30.65	-6.46	24.19	43.50	-19.31	QP
4		153.7384	27.68	-4.12	23.56	43.50	-19.94	QP
5		225.3077	28.88	-5.72	23.16	46.00	-22.84	QP
6	*	609.9215	29.04	1.18	30.22	46.00	-15.78	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 4	Test Date	September 06, 2016



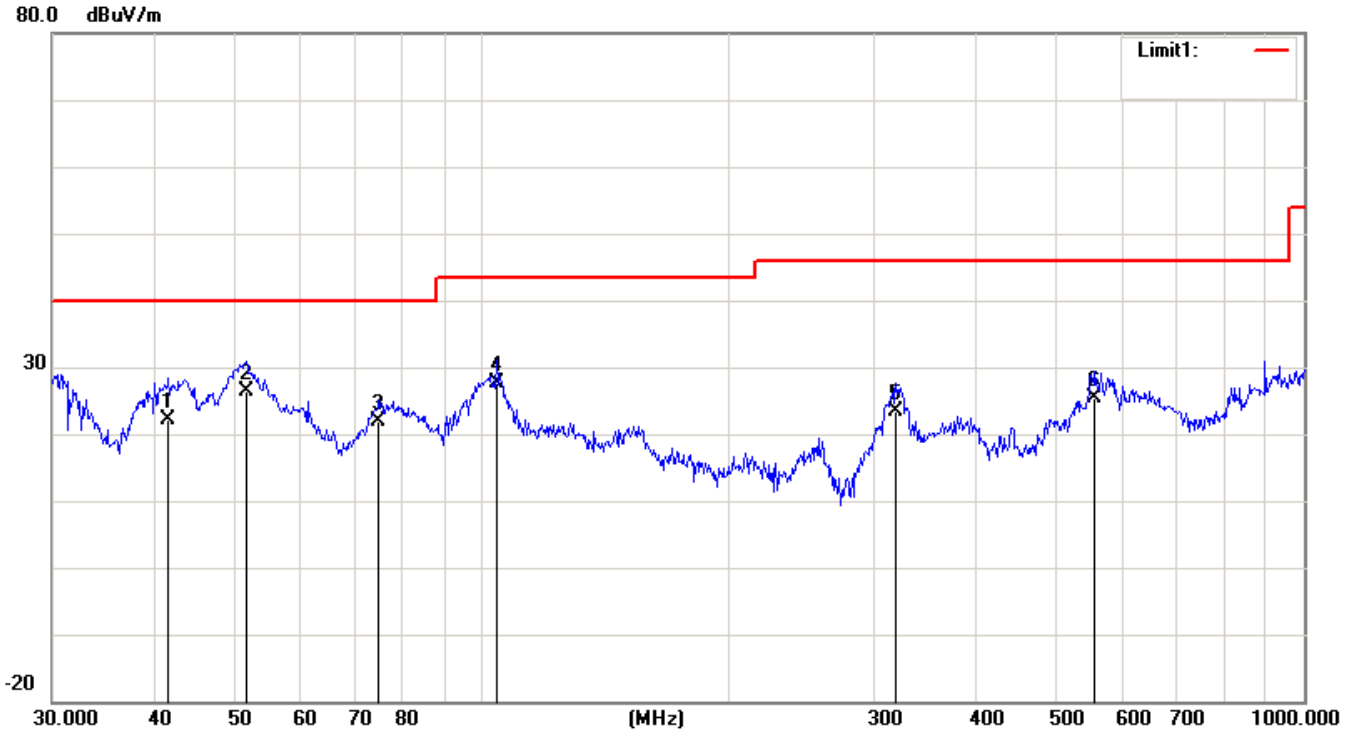
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		30.8535	19.25	2.92	22.17	40.00	-17.83	QP
2		50.2324	28.65	-9.03	19.62	40.00	-20.38	QP
3		99.1795	25.73	-6.46	19.27	43.50	-24.23	QP
4		153.7384	29.03	-4.12	24.91	43.50	-18.59	QP
5	*	203.5226	36.49	-4.95	31.54	43.50	-11.96	QP
6		582.7423	25.06	0.76	25.82	46.00	-20.18	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 5	Test Date	September 06, 2016



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	30.8535	24.31	2.92	27.23	40.00	-12.77	QP
2		50.9420	36.01	-9.10	26.91	40.00	-13.09	QP
3		123.6984	17.54	-2.18	15.36	43.50	-28.14	QP
4		175.6516	23.56	-4.97	18.59	43.50	-24.91	QP
5		321.0605	26.17	-4.53	21.64	46.00	-24.36	QP
6		576.6443	27.27	0.64	27.91	46.00	-18.09	QP

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 5	Test Date	September 06, 2016



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		41.5670	26.76	-4.57	22.19	40.00	-17.81	QP
2	*	51.6613	35.63	-9.17	26.46	40.00	-13.54	QP
3		74.9191	29.46	-7.53	21.93	40.00	-18.07	QP
4		104.1701	32.82	-5.18	27.64	43.50	-15.86	QP
5		318.8170	27.91	-4.48	23.43	46.00	-22.57	QP
6		556.7744	25.00	0.37	25.37	46.00	-20.63	QP

5.2.5.2 TEST RESULTS (1GHZ TO 6GHZ)

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1
Test Date	September 06, 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	59.90	41.33	74	54	-14.10	-12.67
2829.27	V	59.29	40.60	74	54	-14.71	-13.40
1684.52	H	58.04	40.42	74	54	-15.96	-13.58
2831.6	H	59.44	40.44	74	54	-14.56	-13.56

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	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2
Test Date	September 06, 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	59.54	41.38	74	54	-14.46	-12.62
2641.52	V	59.70	40.44	74	54	-14.30	-13.56
1628.42	H	59.56	40.16	74	54	-14.44	-13.84
2810.39	H	58.91	39.91	74	54	-15.09	-14.09

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	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3
Test Date	September 06, 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	58.94	39.80	74	54	-15.06	-14.20
2652.38	V	58.68	40.86	74	54	-15.32	-13.14
1699.33	H	59.87	39.34	74	54	-14.13	-14.66
2739.42	H	59.59	40.59	74	54	-14.41	-13.41

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	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4
Test Date	September 06, 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	58.67	40.79	74	54	-15.33	-13.21
2641.52	V	59.95	40.34	74	54	-14.05	-13.66
1628.42	H	58.99	39.26	74	54	-15.01	-14.74
2810.39	H	59.30	40.30	74	54	-14.70	-13.70

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	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5
Test Date	September 06, 2016		

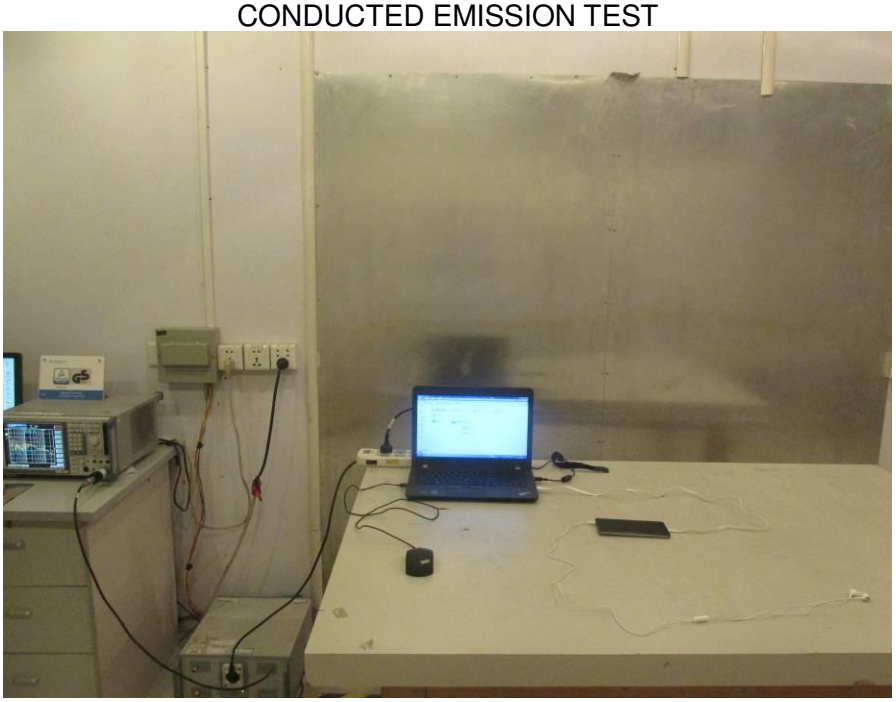
Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
1577.35	V	58.79	41.68	74	54	-15.21	-12.32
2652.38	V	59.98	40.51	74	54	-14.02	-13.49
1699.33	H	59.88	40.11	74	54	-14.12	-13.89
2739.42	H	59.15	40.15	74	54	-14.85	-13.85

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.

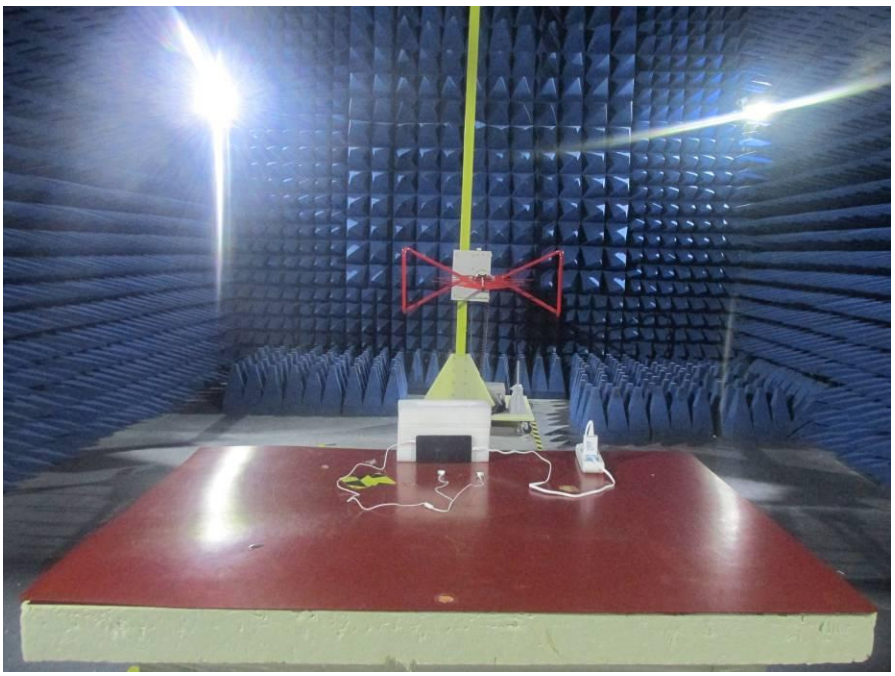
6. EUT TEST PHOTO

CONDUCTED EMISSION TEST

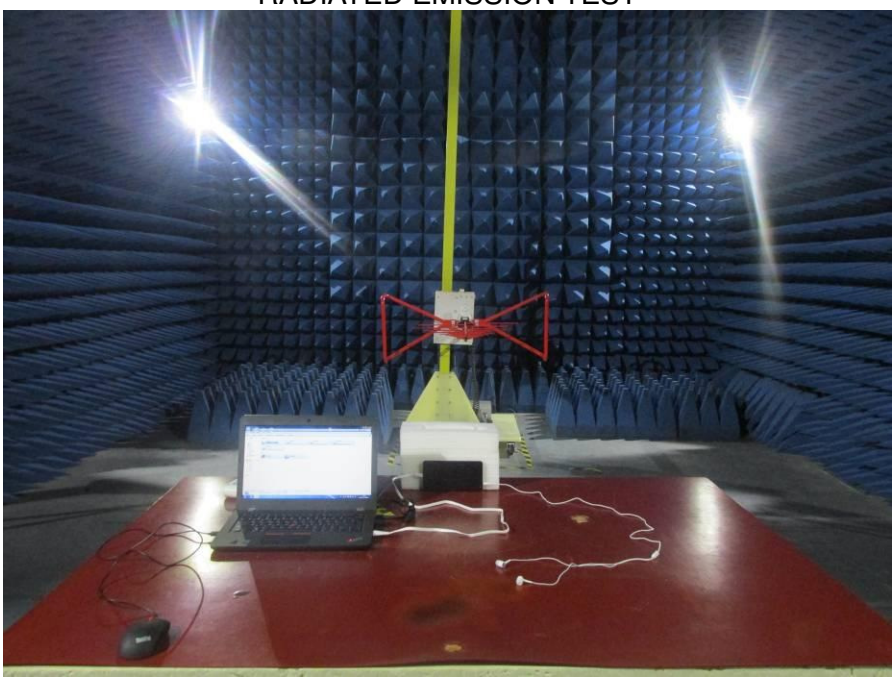
CONDUCTED EMISSION TEST



RADIATED EMISSION TEST



RADIATED EMISSION TEST



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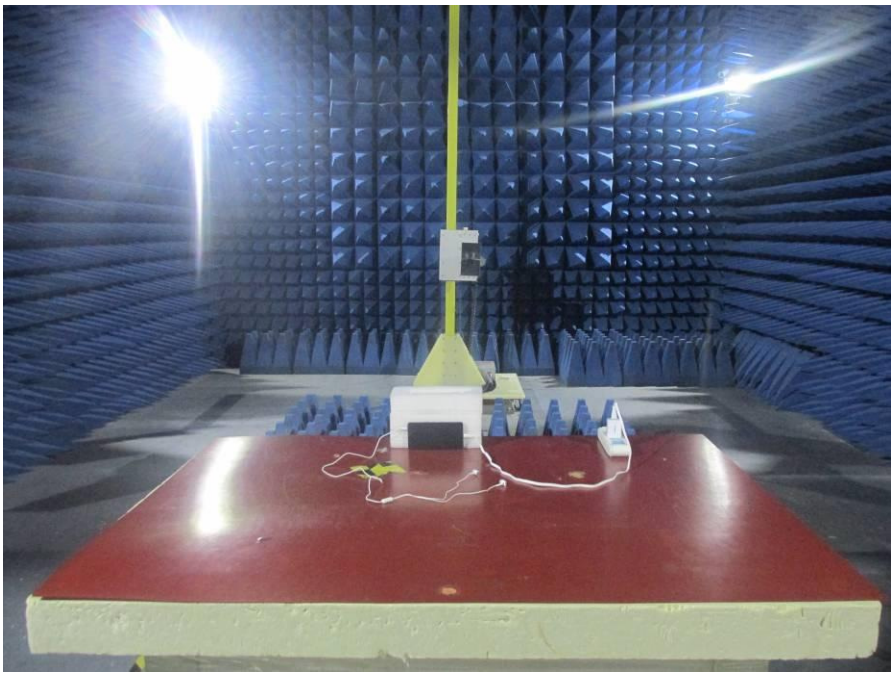

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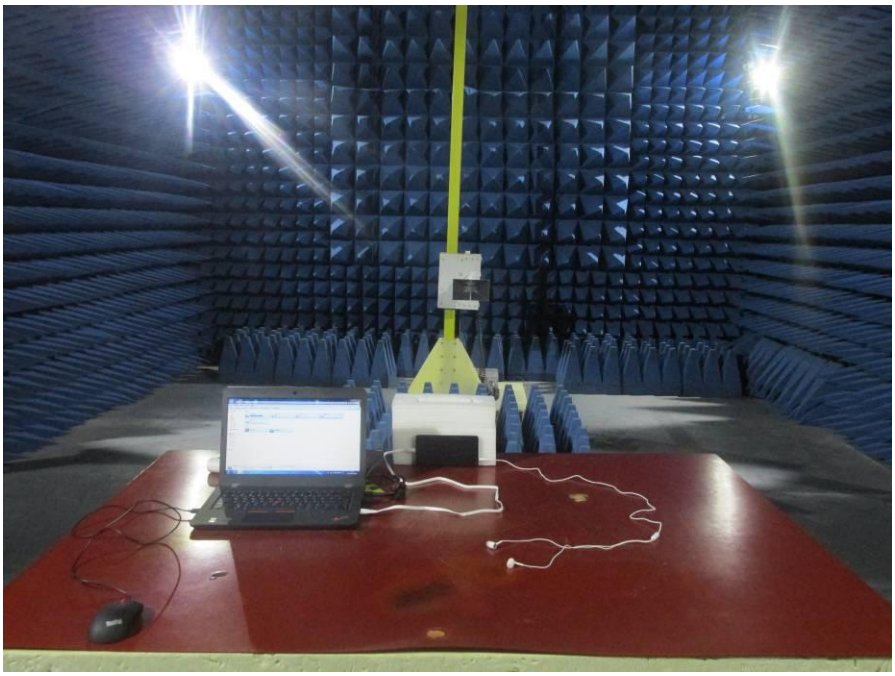

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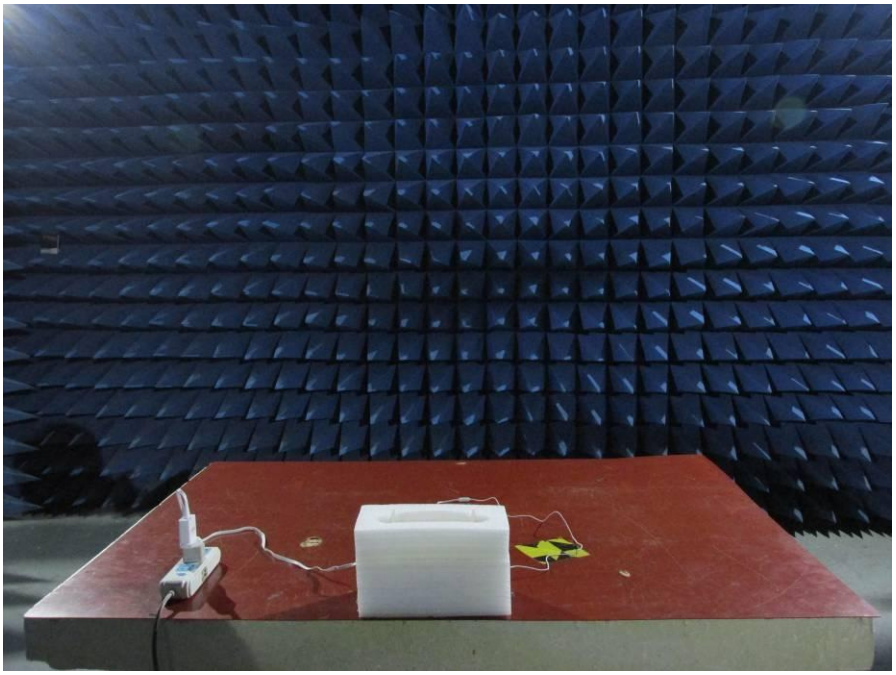
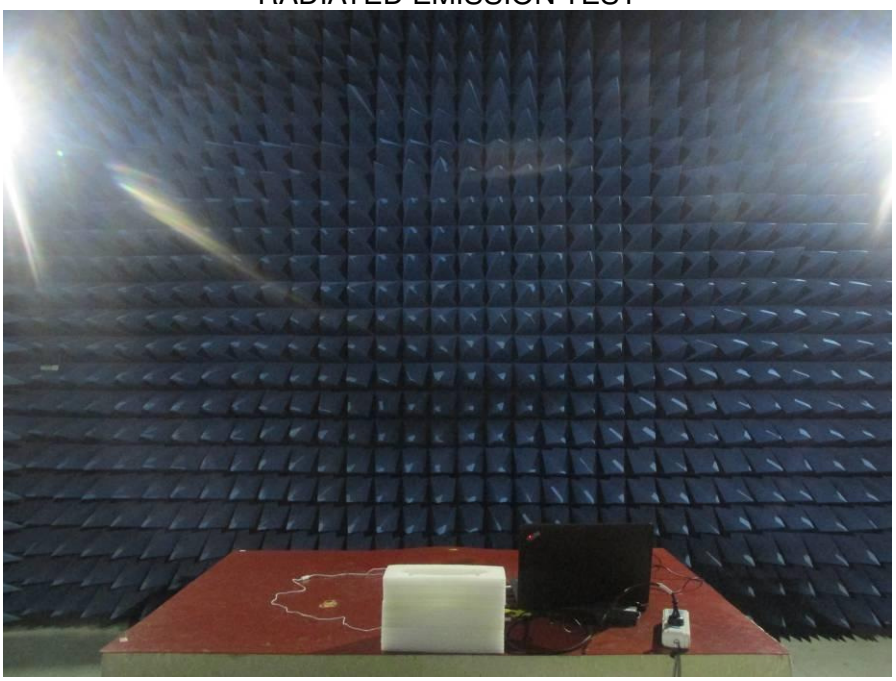


RADIATED EMISSION TEST



7. PHOTOGRAPHS OF EUT

Appearance photograph of EUT

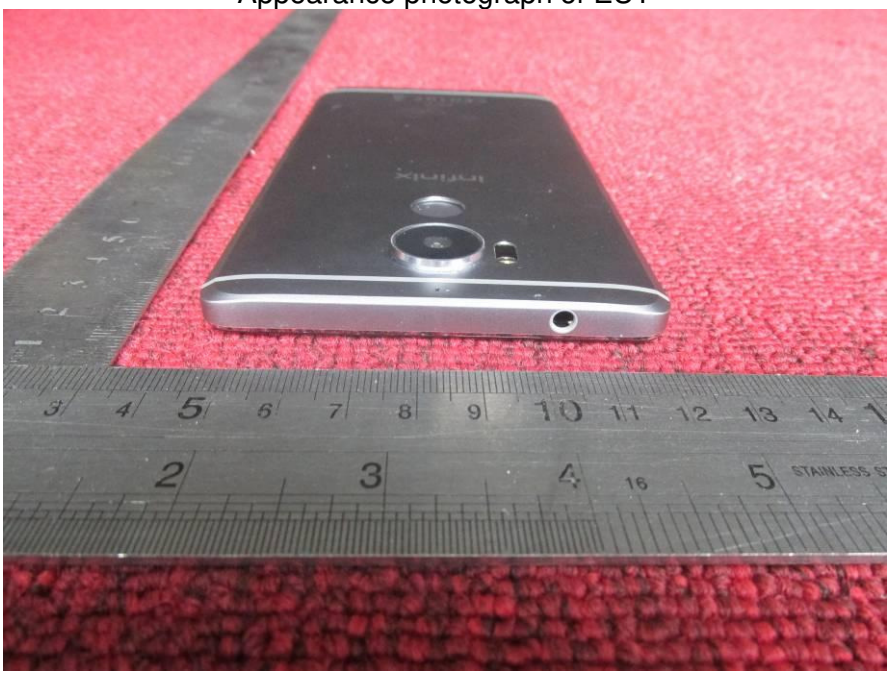
Appearance photograph of EUT

Appearance photograph of EUT

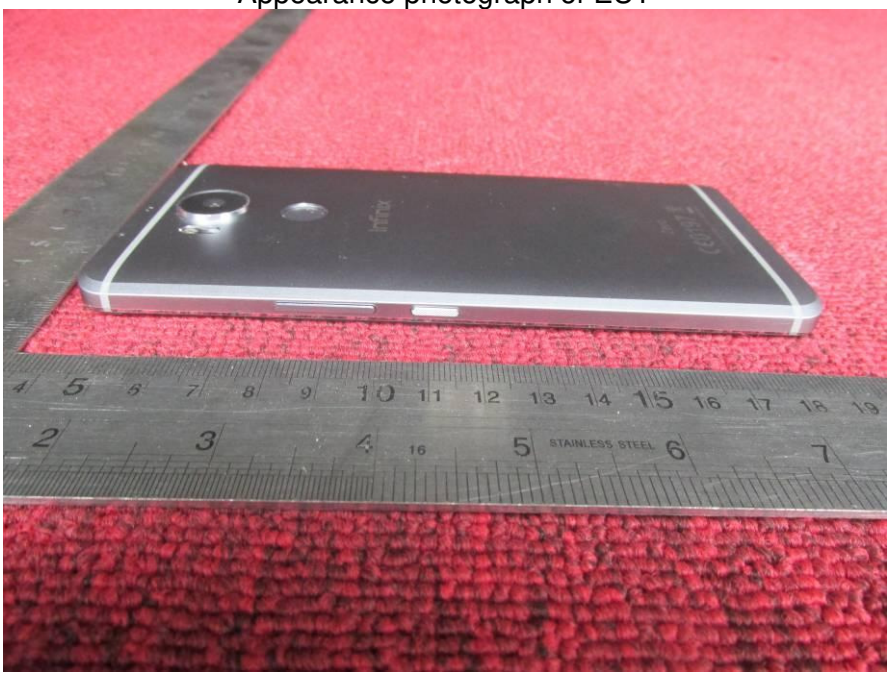
Appearance photograph of EUT

Appearance photograph of EUT

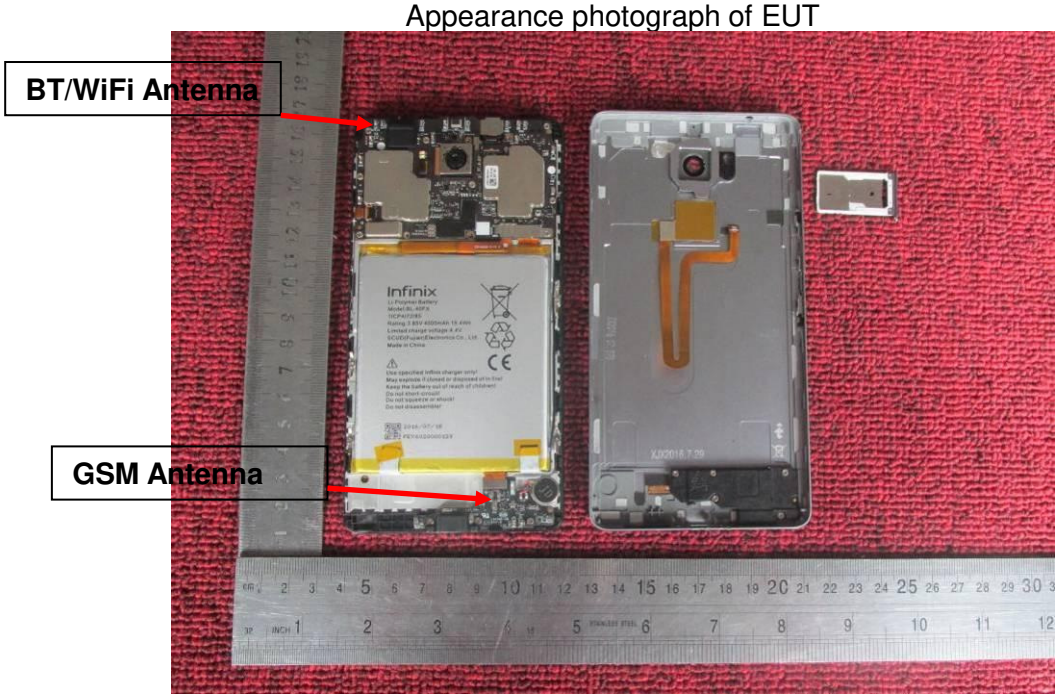
Appearance photograph of EUT



Appearance photograph of EUT



Appearance photograph of EUT

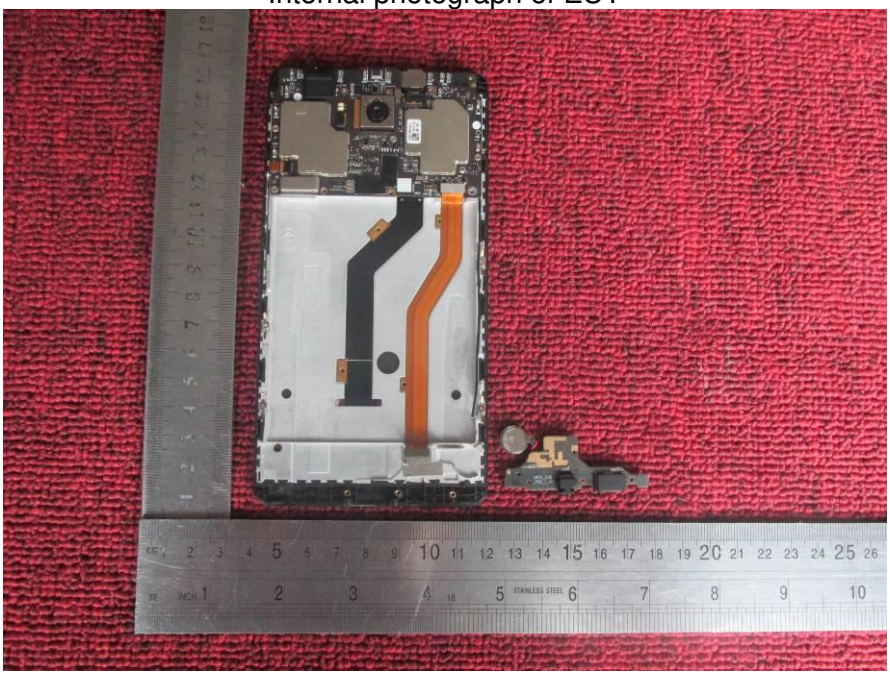


Internal photograph of EUT

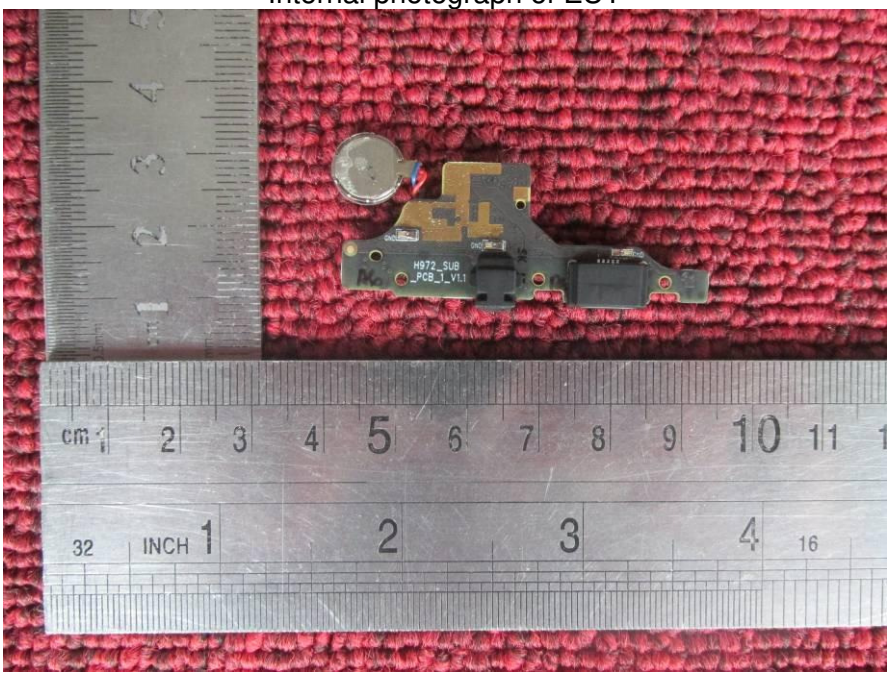
Internal photograph of EUT

Internal photograph of EUT

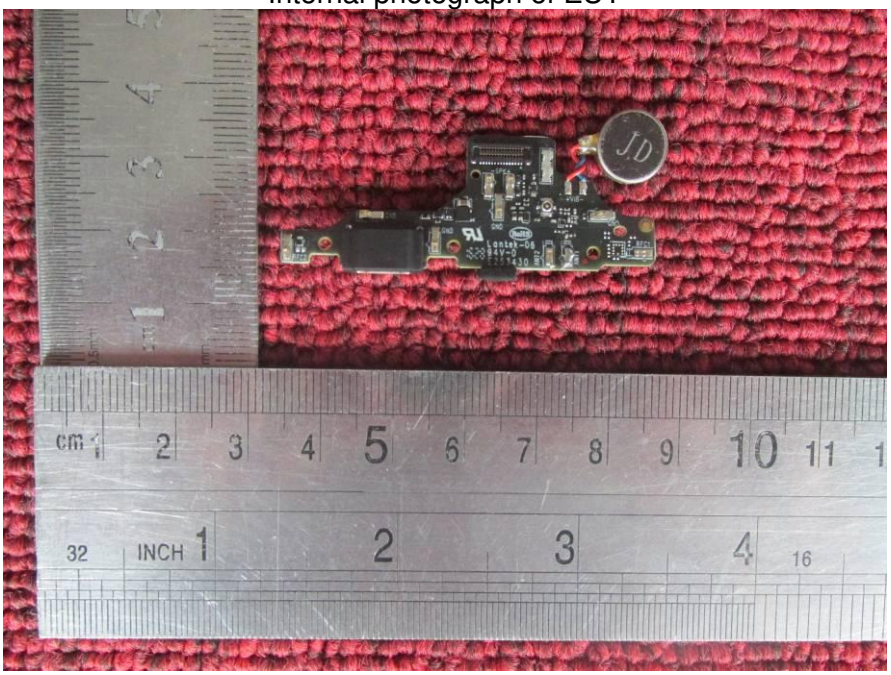
Internal photograph of EUT



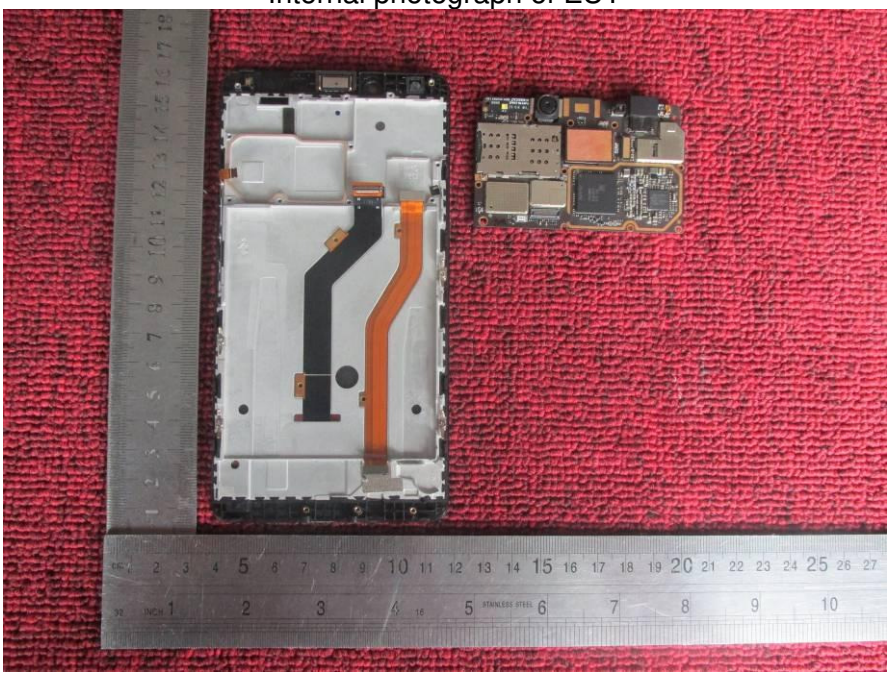
Internal photograph of EUT



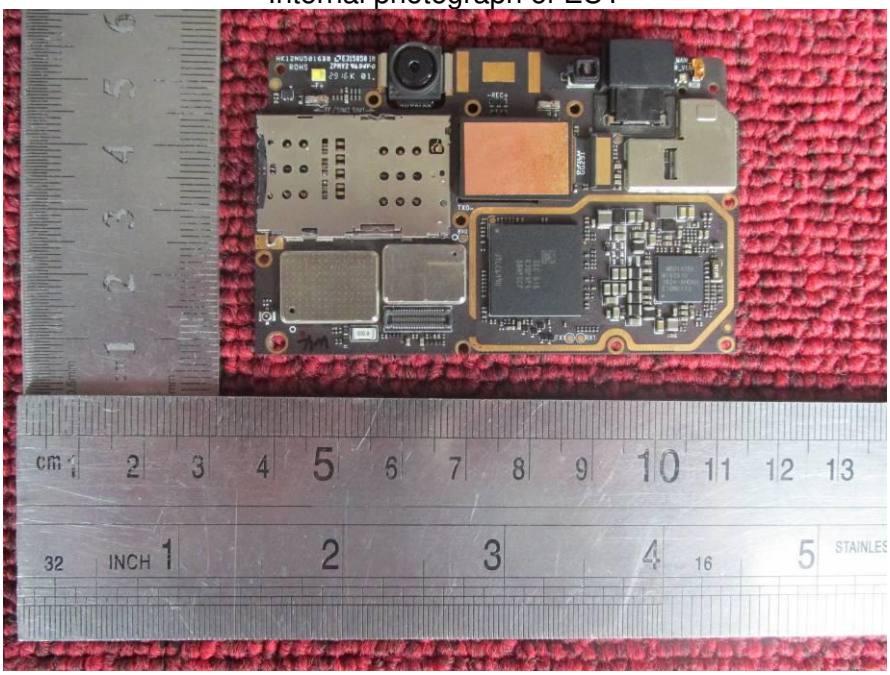
Internal photograph of EUT



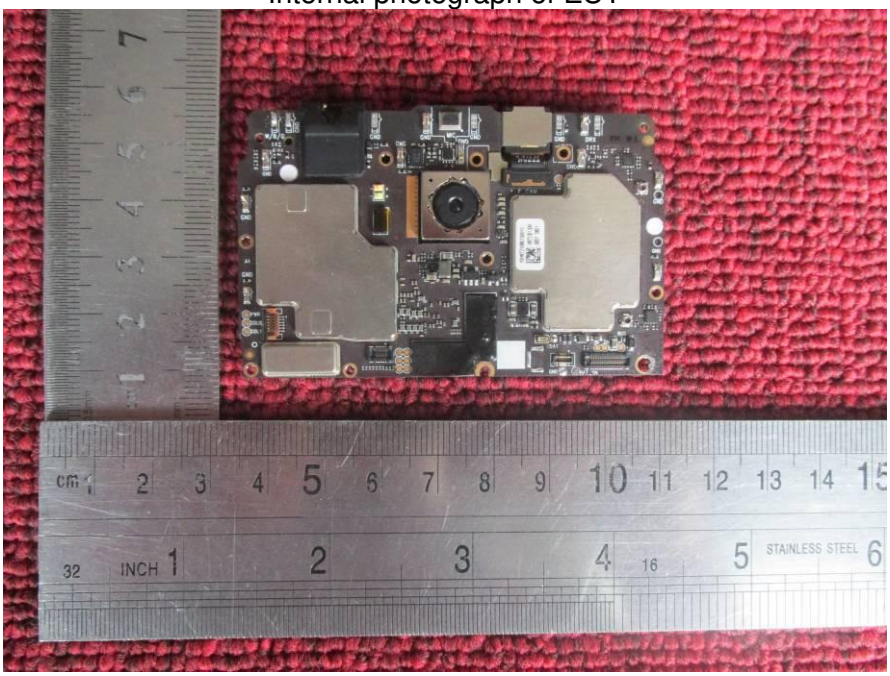
Internal photograph of EUT



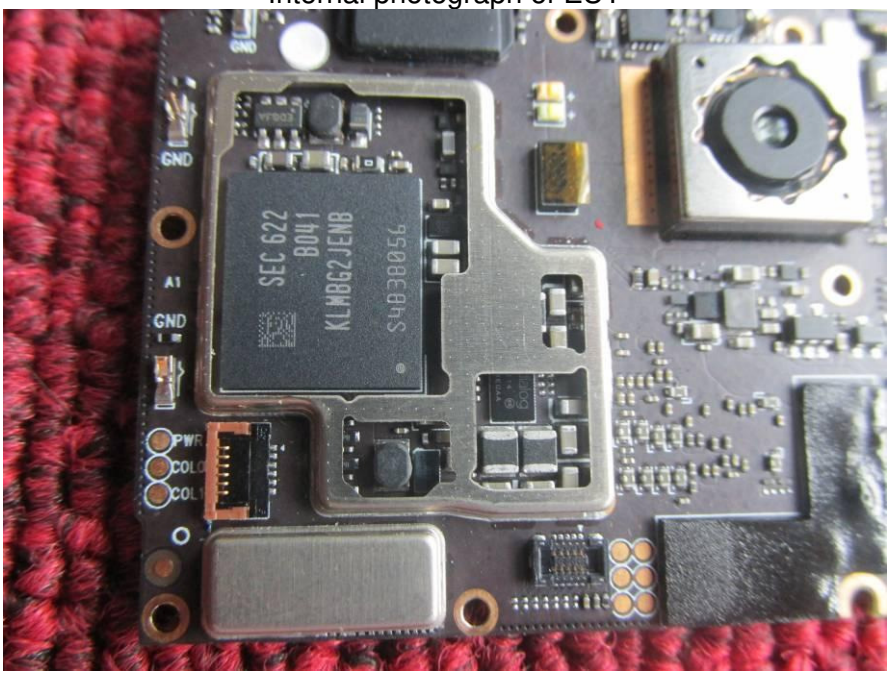
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



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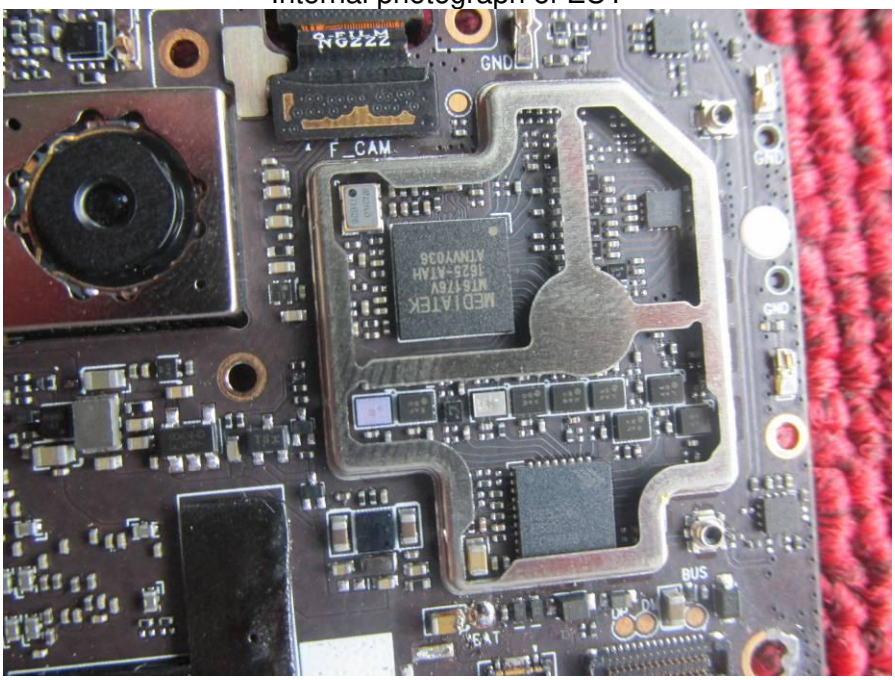
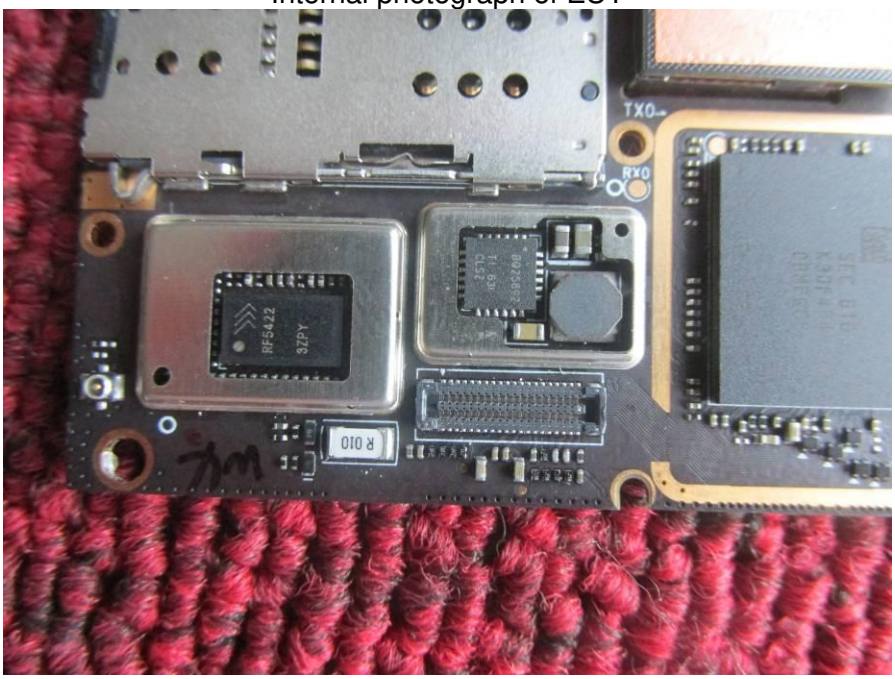
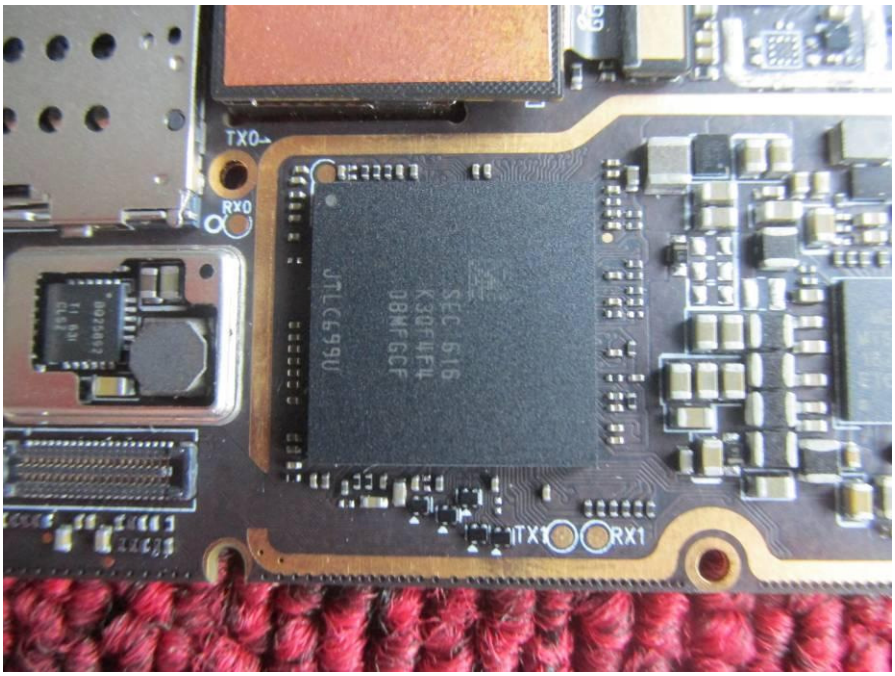


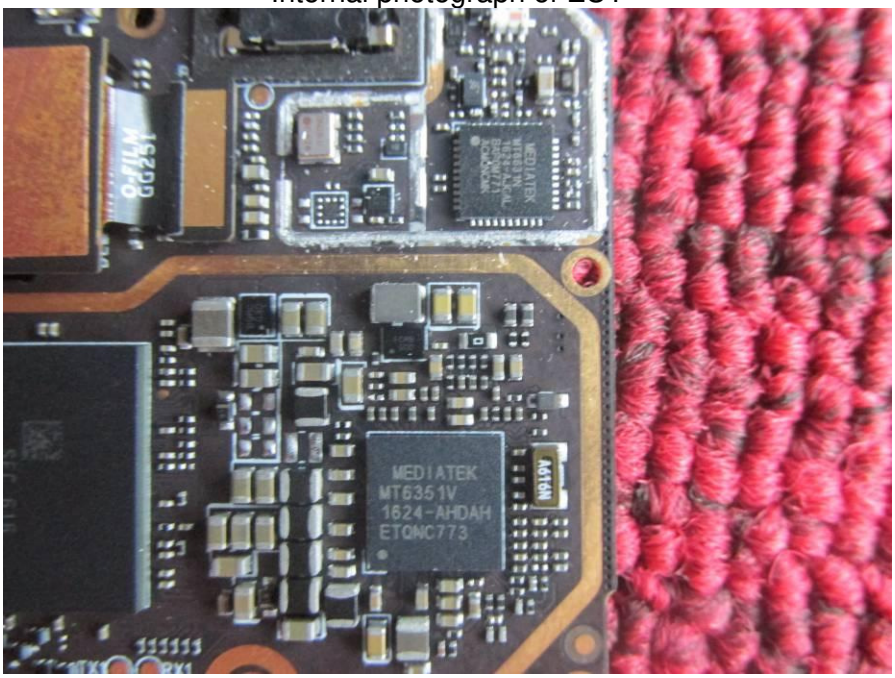
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



---END OF REPORT---