



FCC Report


Application Purpose : Original grant
Applicant Name: : Hallmark Global LTD.dba HEXA
FCC ID : 2AEJL-KALEIDO8
Equipment Type : Android tablet PC
Model Name : Kaleidoscope
Report Number : FCC16124190A-4
Standard(S) : FCC Part 15 Subpart B
Date Of Receipt : December 08, 2016
Date Of Issue : December 27, 2016

Test By : 

(Daisy Qin)

Reviewed By : 

(Sol Qin)

Authorized by : 

(Michal Ling)

Prepared by : **QTC Certification & Testing Co., Ltd.**
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District,,Shenzhen,518000
Registration Number: 588523

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	December 27, 2016	Valid	Original Report

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1. GENERAL INFORMATION

Test Model	kaleidoscope
Applicant	Hallmark Global LTD.dba HEXA
Address	Suite 1801, 1 Yonge Street, Toronto Ontario , Canada , M5E 1W7
Manufacturer	SHENZHEN LUCKYSTAR TECHNOLOGY CO.,LTD.
Address	Fl.4,Block 1,Yu Jing Tai Industrial Park, Huarong Rd., Shuiwei Village, Dalang Office, Longhua New District, Shenzhen, Guangdong, China
Equipment Type	Android tablet PC
Brand Name	HEXA
Hardware	M826-MB-2.0
Software	Android 5.1
Battery information:	Li-Polymer Battery : PL0392103P Voltage: 3.7V Capacity: 3600mAh Limited Charge Voltage: 4.2V
Adapter Information:	Adapter: THX-050200KE Input: 100-240V 50/60Hz 650mA Output: 5V 2A
Data of receipt	December 08, 2016
Date of test	December 08, 2016 to December 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,BI 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 $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 3.2\text{dB}$
2	RF power, conducted	$\pm 0.16\text{dB}$
3	Spurious emissions, conducted	$\pm 0.21\text{dB}$
4	All emissions, radiated(<1G)	$\pm 4.7\text{dB}$
5	All emissions, radiated(>1G)	$\pm 4.7\text{dB}$
6	Temperature	$\pm 0.5^{\circ}\text{C}$
7	Humidity	$\pm 2\%$

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.

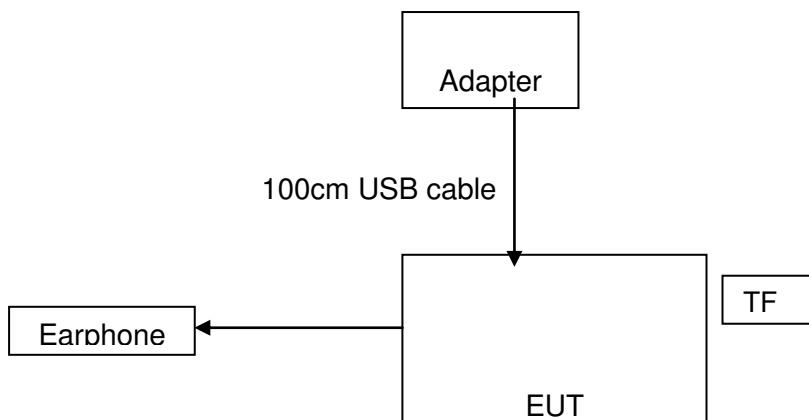
Pretest Mode	Description
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Exchange data with computer

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

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

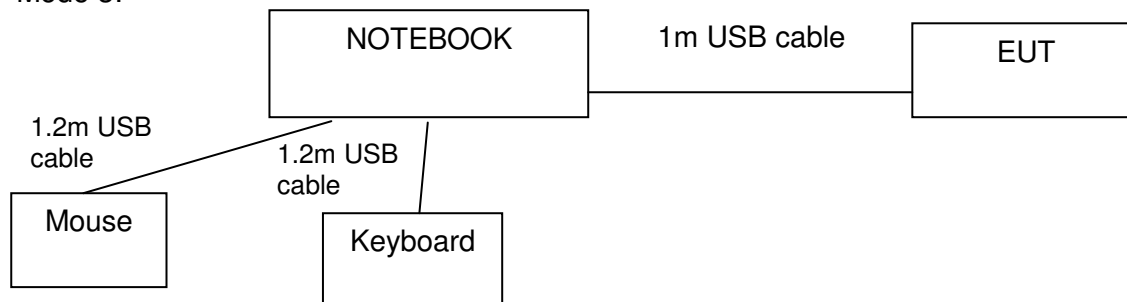
2.3 CONFIGURATION OF SYSTEM UNDER TEST

Mode 1&2&4&5:



(EUT: kaleidoscope)

Mode 3:



(EUT: kaleidoscope)

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	/	THX-050200KE	/	/
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	SCHWABEBECK	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

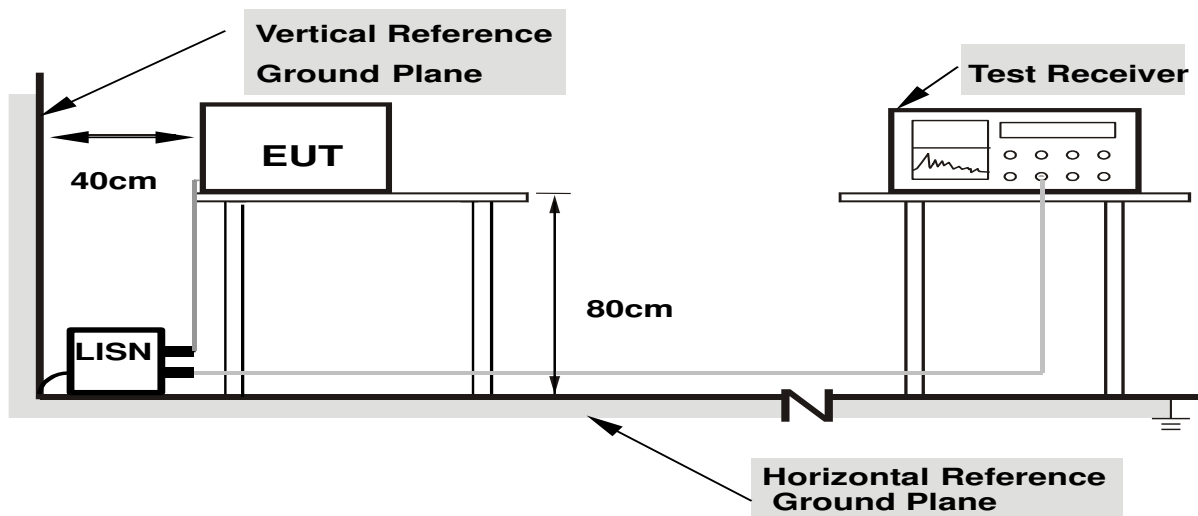
5.1.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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



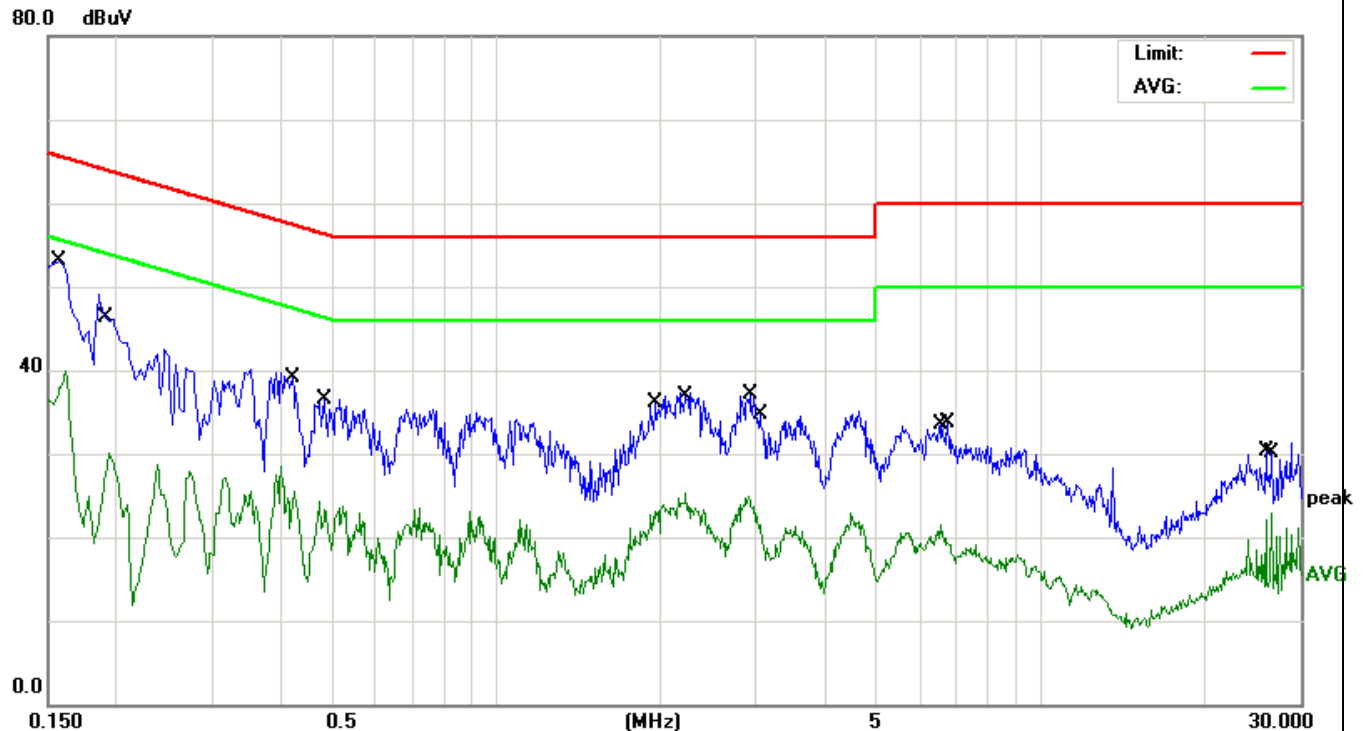
- Note:**
- Support units were connected to second LISN.
 - Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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.

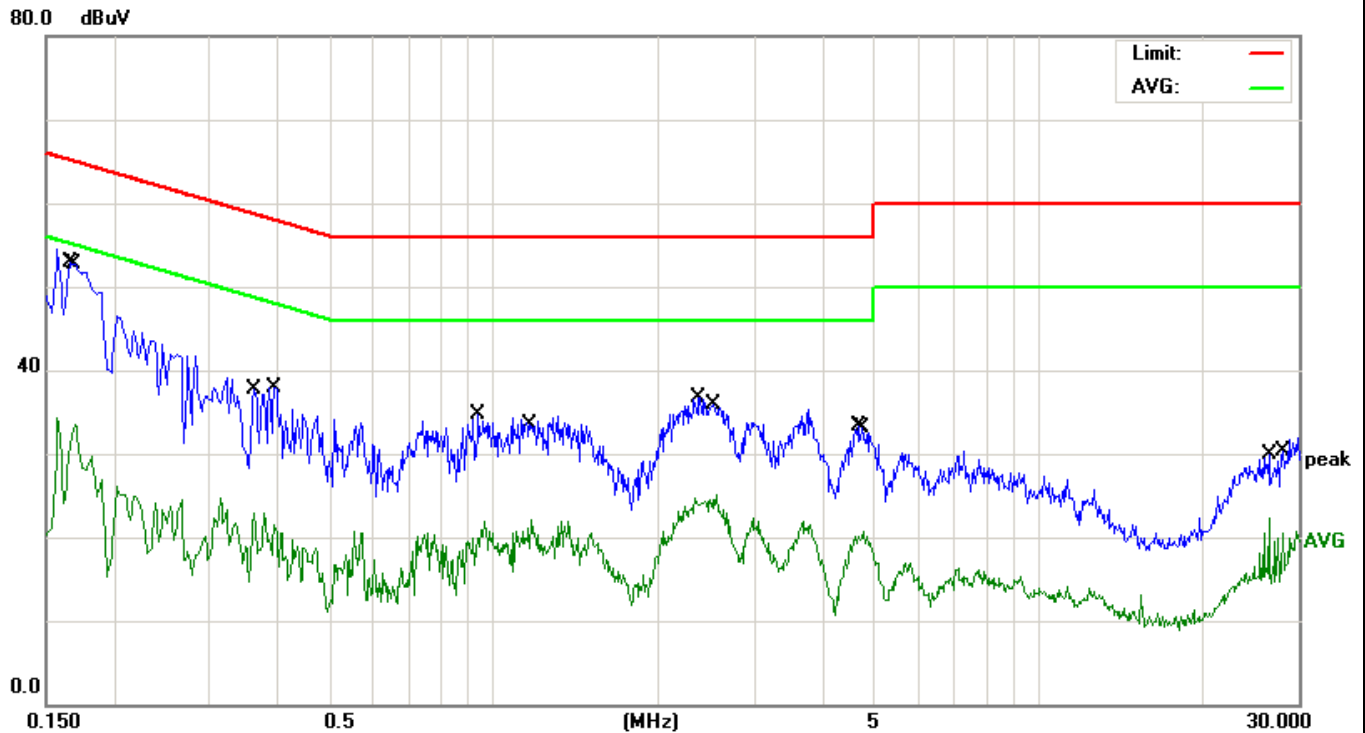
5.1.6 TEST RESULTS

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	26 °C	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	December 10, 2016	Test Mode	Mode 1



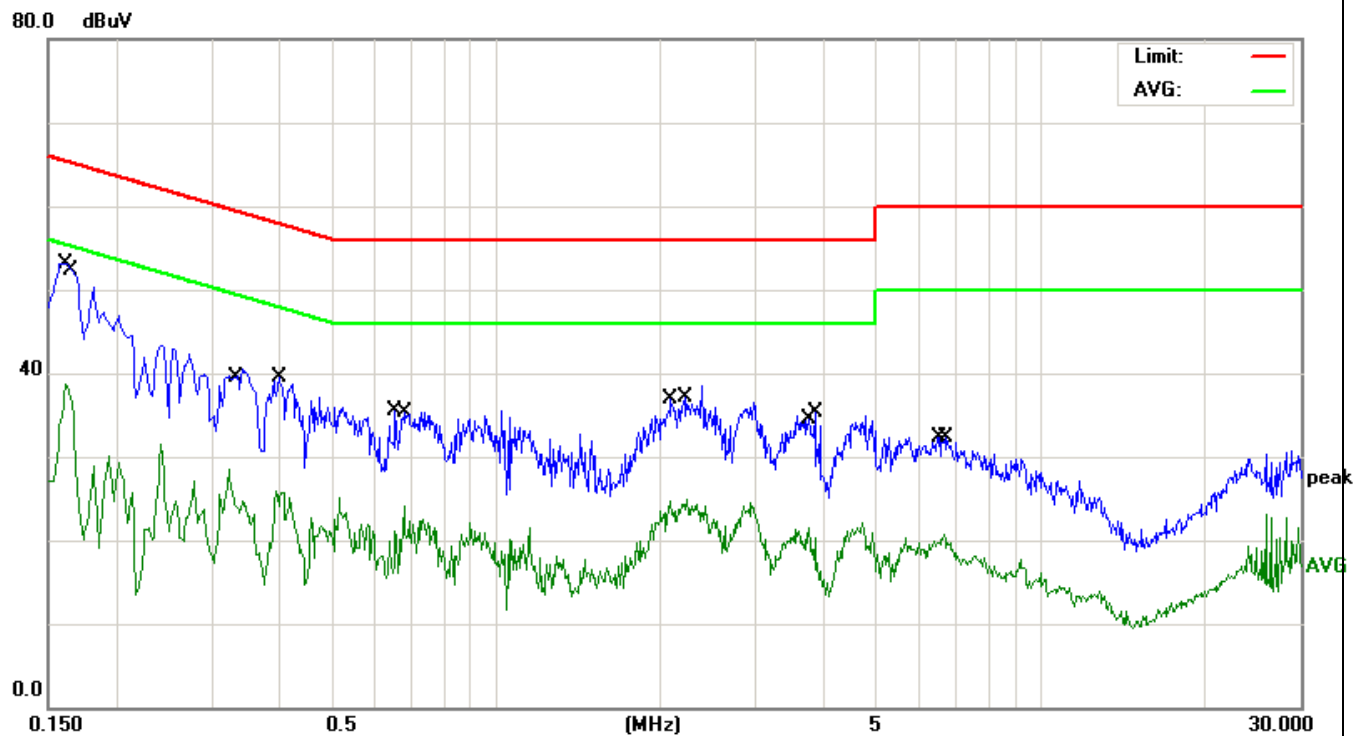
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV	dBuV	dB	
1	*	0.1500	43.52	12.39	55.91	65.99	-10.08	QP
2		0.1620	25.81	12.24	38.05	55.36	-17.31	AVG
3		0.2460	16.46	11.60	28.06	51.89	-23.83	AVG
4		0.2500	32.03	11.59	43.62	61.75	-18.13	QP
5		0.9060	10.42	10.67	21.09	46.00	-24.91	AVG
6		1.0460	23.22	10.63	33.85	56.00	-22.15	QP
7		2.3820	25.11	10.58	35.69	56.00	-20.31	QP
8		2.4539	13.10	10.58	23.68	46.00	-22.32	AVG
9		6.7220	21.39	10.56	31.95	60.00	-28.05	QP
10		6.7620	8.74	10.57	19.31	50.00	-30.69	AVG
11		25.8700	20.90	10.60	31.50	60.00	-28.50	QP
12		25.8700	11.23	10.60	21.83	50.00	-28.17	AVG

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	26 °C	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	December 10, 2016	Test Mode	Mode 1



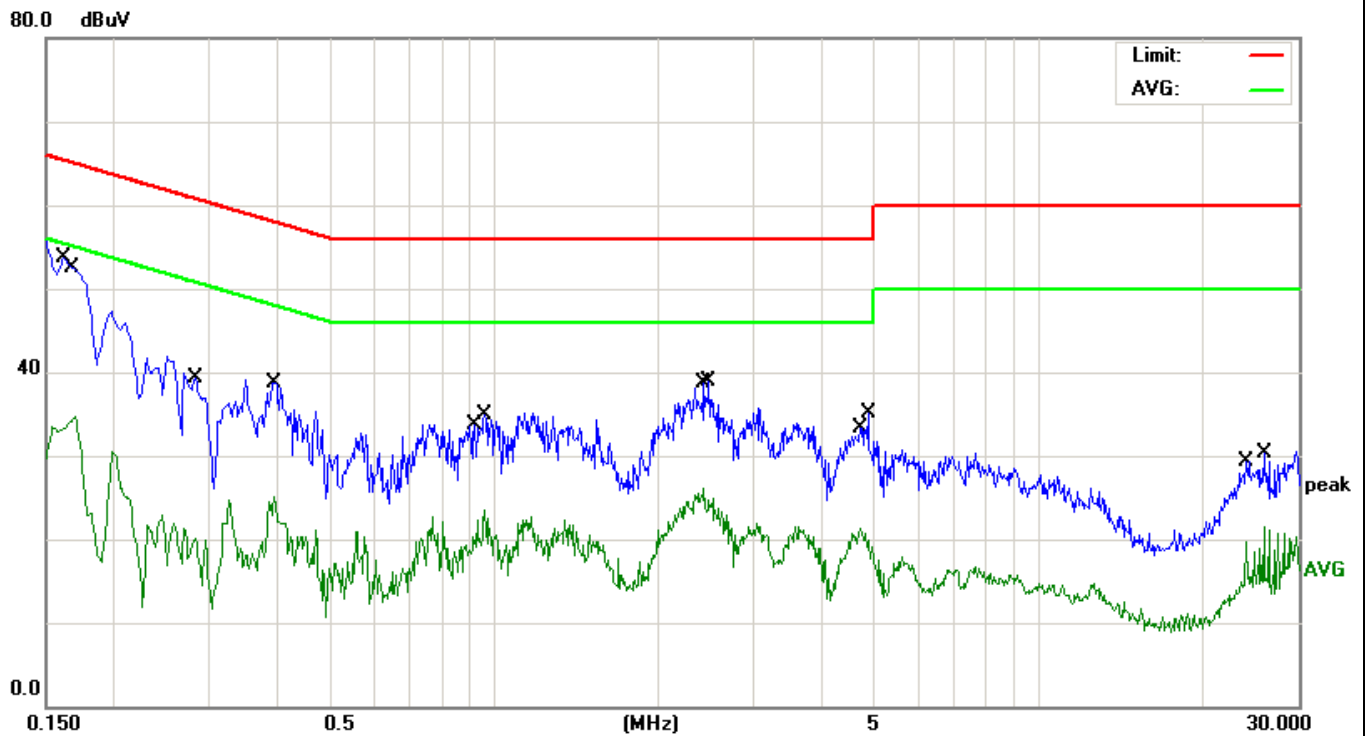
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1660	40.63	12.18	52.81	65.15	-12.34	QP
2		0.1711	19.93	12.12	32.05	54.90	-22.85	AVG
3		0.3620	11.73	11.24	22.97	48.68	-25.71	AVG
4		0.3940	26.82	11.13	37.95	57.98	-20.03	QP
5		0.9380	24.08	10.66	34.74	56.00	-21.26	QP
6		1.1700	11.52	10.62	22.14	46.00	-23.86	AVG
7		2.3740	26.22	10.58	36.80	56.00	-19.20	QP
8		2.5540	14.50	10.58	25.08	46.00	-20.92	AVG
9		4.6659	22.84	10.54	33.38	56.00	-22.62	QP
10		4.7619	10.08	10.53	20.61	46.00	-25.39	AVG
11		26.5260	11.70	10.61	22.31	50.00	-27.69	AVG
12		28.1460	19.58	10.65	30.23	60.00	-29.77	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	26 °C	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	December 10, 2016	Test Mode	Mode 2



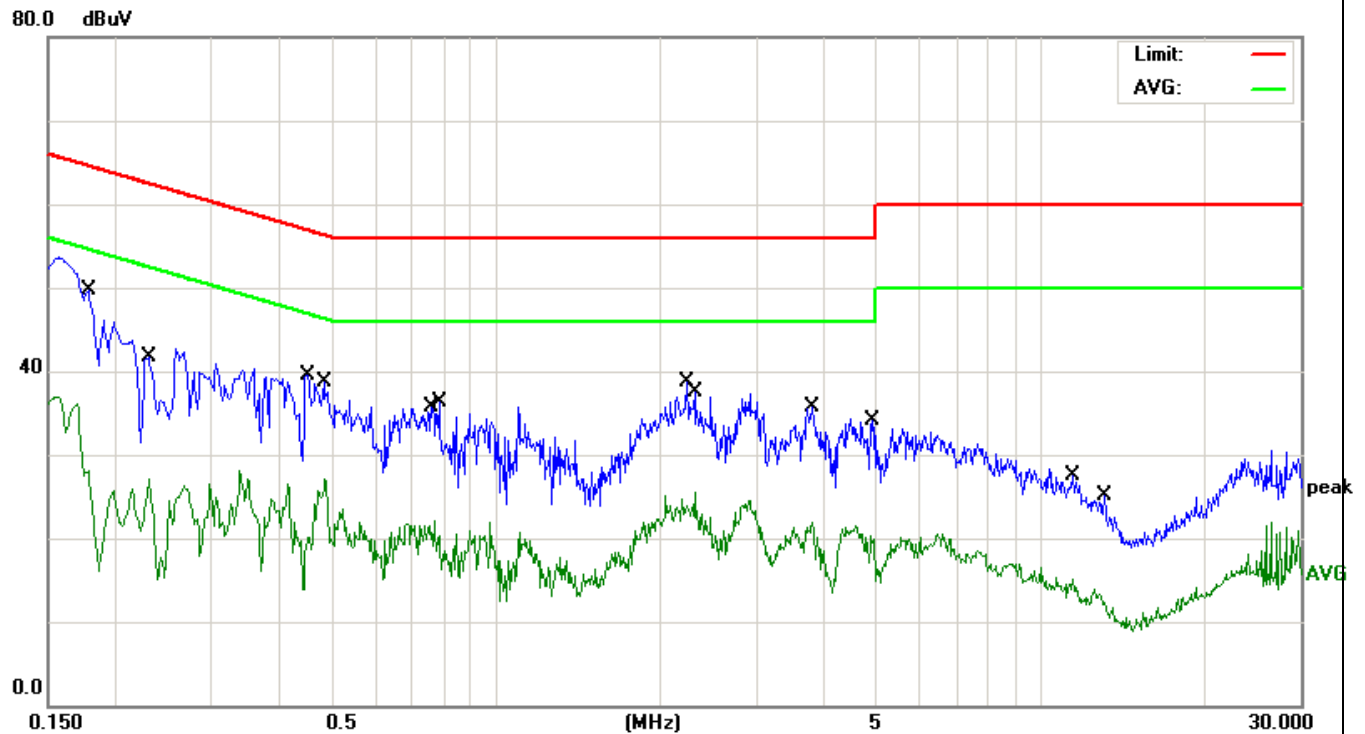
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1620	26.40	12.24	38.64	55.36	-16.72	AVG
2	*	0.1677	39.70	12.16	51.86	65.07	-13.21	QP
3		0.3268	14.62	11.35	25.97	49.53	-23.56	AVG
4		0.3980	28.39	11.12	39.51	57.89	-18.38	QP
5		0.6540	24.76	10.78	35.54	56.00	-20.46	QP
6		0.6780	13.33	10.77	24.10	46.00	-21.90	AVG
7		2.0660	24.88	10.59	35.47	56.00	-20.53	QP
8		2.2460	14.26	10.58	24.84	46.00	-21.16	AVG
9		3.7460	10.85	10.56	21.41	46.00	-24.59	AVG
10		3.8420	24.70	10.55	35.25	56.00	-20.75	QP
11		6.4899	21.76	10.56	32.32	60.00	-27.68	QP
12		6.6540	10.15	10.56	20.71	50.00	-29.29	AVG

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	26 °C	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	December 10, 2016	Test Mode	Mode 2



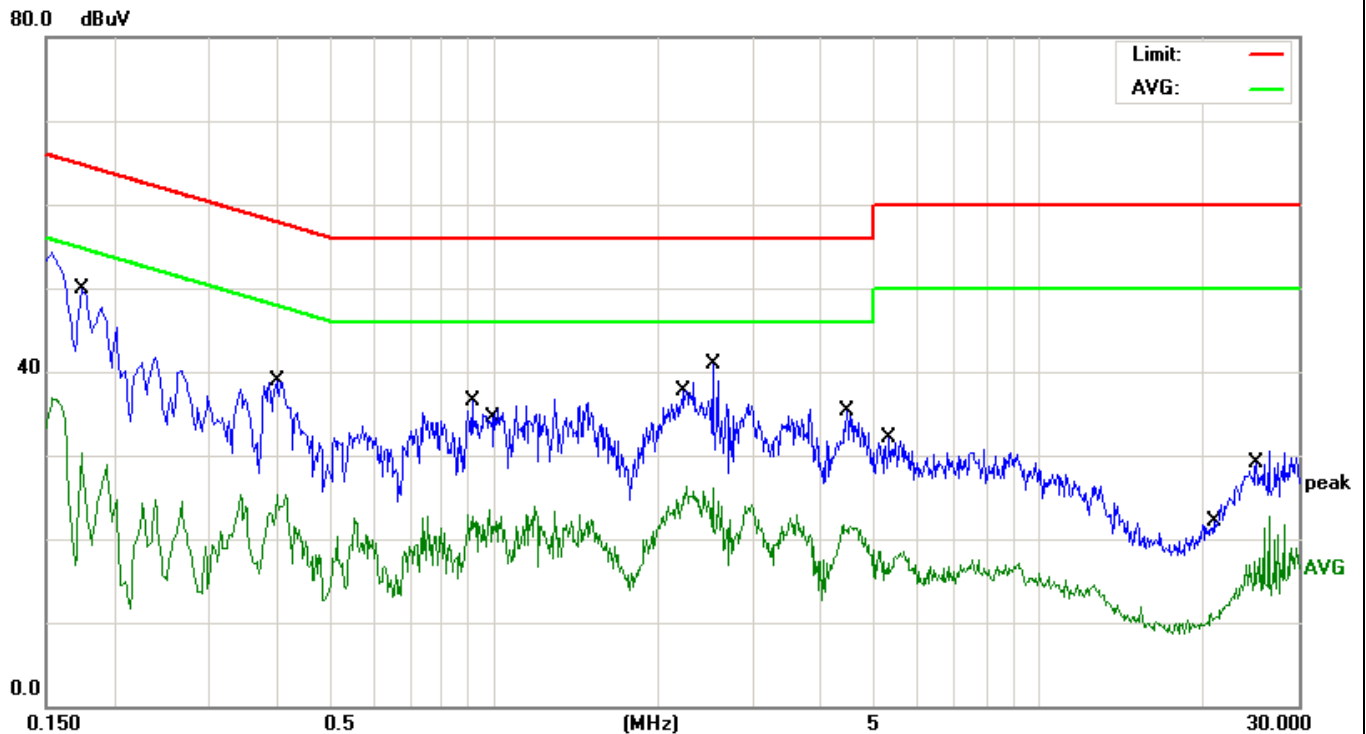
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1620	41.42	12.24	53.66	65.36	-11.70	QP
2		0.1700	22.57	12.13	34.70	54.96	-20.26	AVG
3		0.2819	27.91	11.48	39.39	60.76	-21.37	QP
4		0.3940	13.97	11.13	25.10	47.98	-22.88	AVG
5		0.9220	23.11	10.67	33.78	56.00	-22.22	QP
6		0.9620	12.94	10.64	23.58	46.00	-22.42	AVG
7		2.4300	15.44	10.58	26.02	46.00	-19.98	AVG
8		2.4739	28.27	10.58	38.85	56.00	-17.15	QP
9		4.7060	10.81	10.54	21.35	46.00	-24.65	AVG
10		4.8500	24.50	10.53	35.03	56.00	-20.97	QP
11		24.0340	9.10	10.59	19.69	50.00	-30.31	AVG
12		25.8900	19.65	10.60	30.25	60.00	-29.75	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	26 °C	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	December 10, 2016	Test Mode	Mode 3



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1780	37.77	12.03	49.80	64.57	-14.77	QP
2		0.2300	15.52	11.65	27.17	52.45	-25.28	AVG
3		0.4500	28.56	10.97	39.53	56.87	-17.34	QP
4		0.4860	16.24	10.84	27.08	46.24	-19.16	AVG
5		0.7700	11.40	10.74	22.14	46.00	-23.86	AVG
6		0.7860	25.53	10.73	36.26	56.00	-19.74	QP
7		2.2380	28.21	10.59	38.80	56.00	-17.20	QP
8		2.3179	14.87	10.58	25.45	46.00	-20.55	AVG
9		3.8020	11.35	10.55	21.90	46.00	-24.10	AVG
10		4.9220	23.56	10.53	34.09	56.00	-21.91	QP
11		11.4700	4.49	10.59	15.08	50.00	-34.92	AVG
12		13.1100	14.51	10.60	25.11	60.00	-34.89	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	26 °C	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	December 10, 2016	Test Mode	Mode 3



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1740	18.14	12.08	30.22	54.76	-24.54	AVG
2	*	0.1749	37.56	12.07	49.63	64.72	-15.09	QP
3		0.3980	27.80	11.12	38.92	57.89	-18.97	QP
4		0.3980	14.17	11.12	25.29	47.89	-22.60	AVG
5		0.9100	25.75	10.67	36.42	56.00	-19.58	QP
6		0.9820	12.91	10.64	23.55	46.00	-22.45	AVG
7		2.2580	15.79	10.58	26.37	46.00	-19.63	AVG
8		2.5220	30.30	10.58	40.88	56.00	-15.12	QP
9		4.3820	11.07	10.54	21.61	46.00	-24.39	AVG
10		5.3300	21.66	10.54	32.20	60.00	-27.80	QP
11		21.0020	11.45	10.63	22.08	60.00	-37.92	QP
12		24.9340	6.63	10.59	17.22	50.00	-32.78	AVG

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:

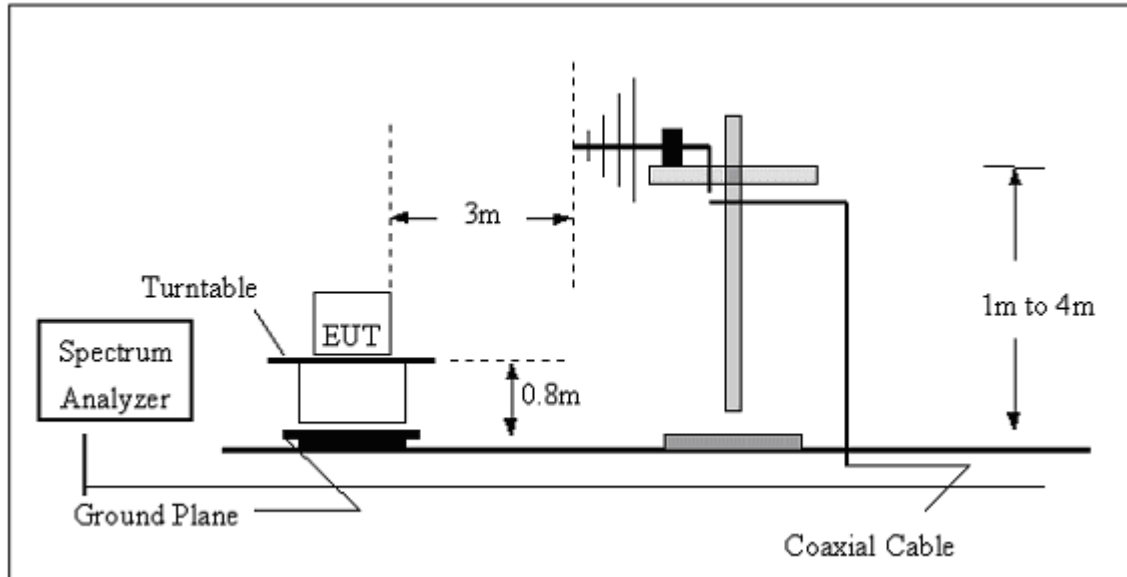
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

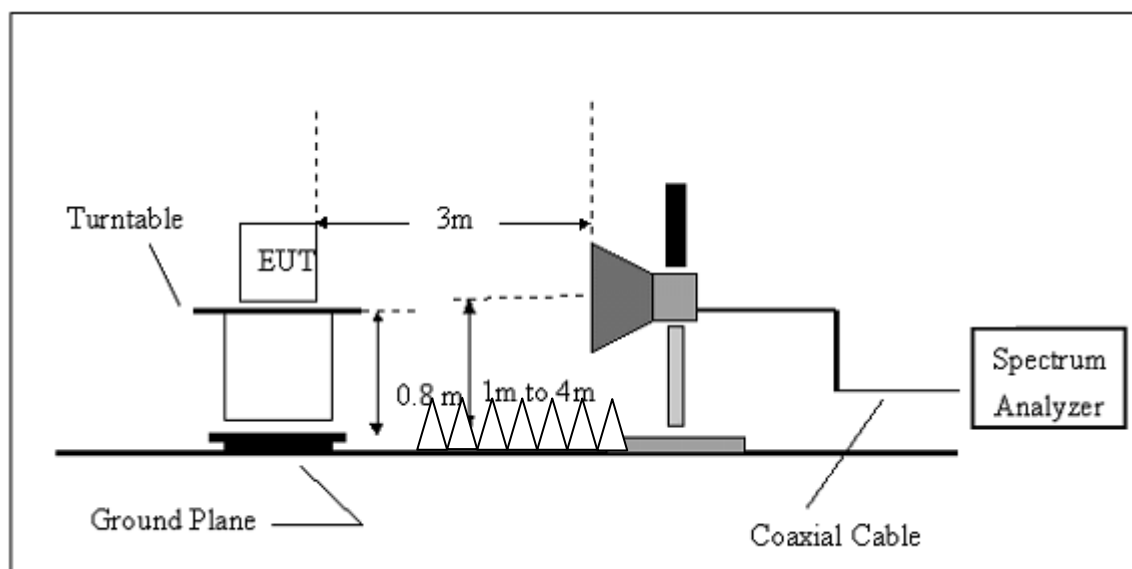
No deviation

5.2.4 TEST SETUP

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



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

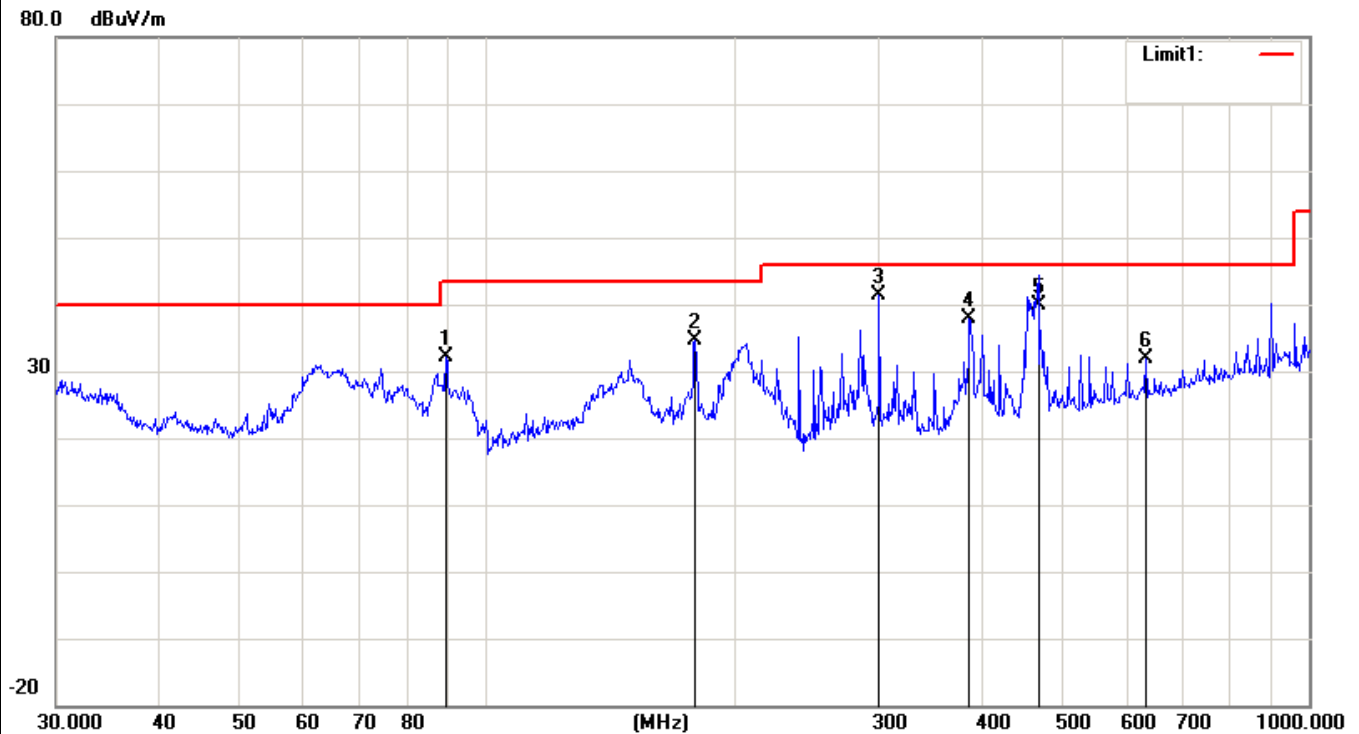


5.2.5 EUT OPERATING CONDITIONS

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.

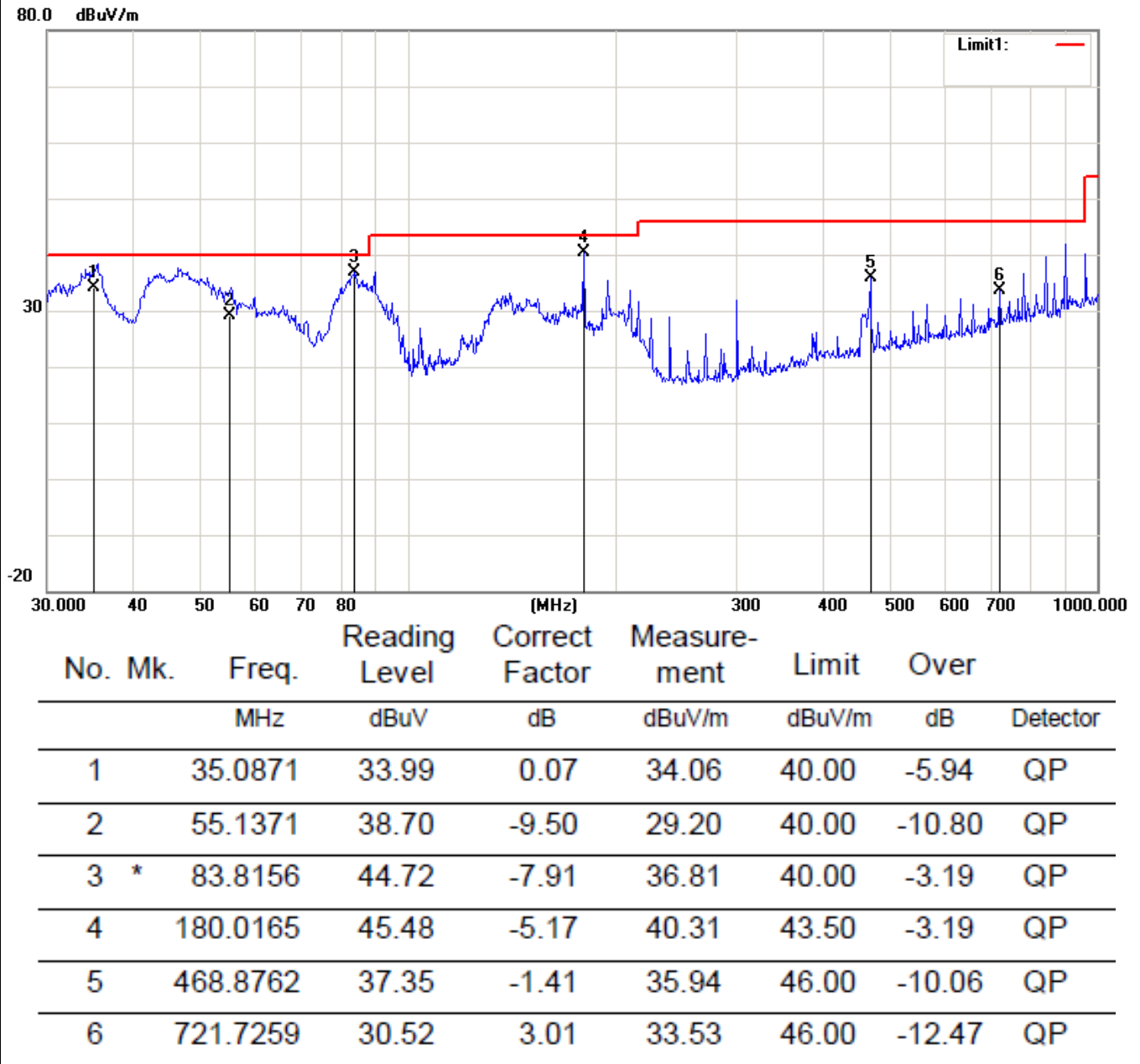
5.2.5.1 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 1	Test Date	December 10, 2016

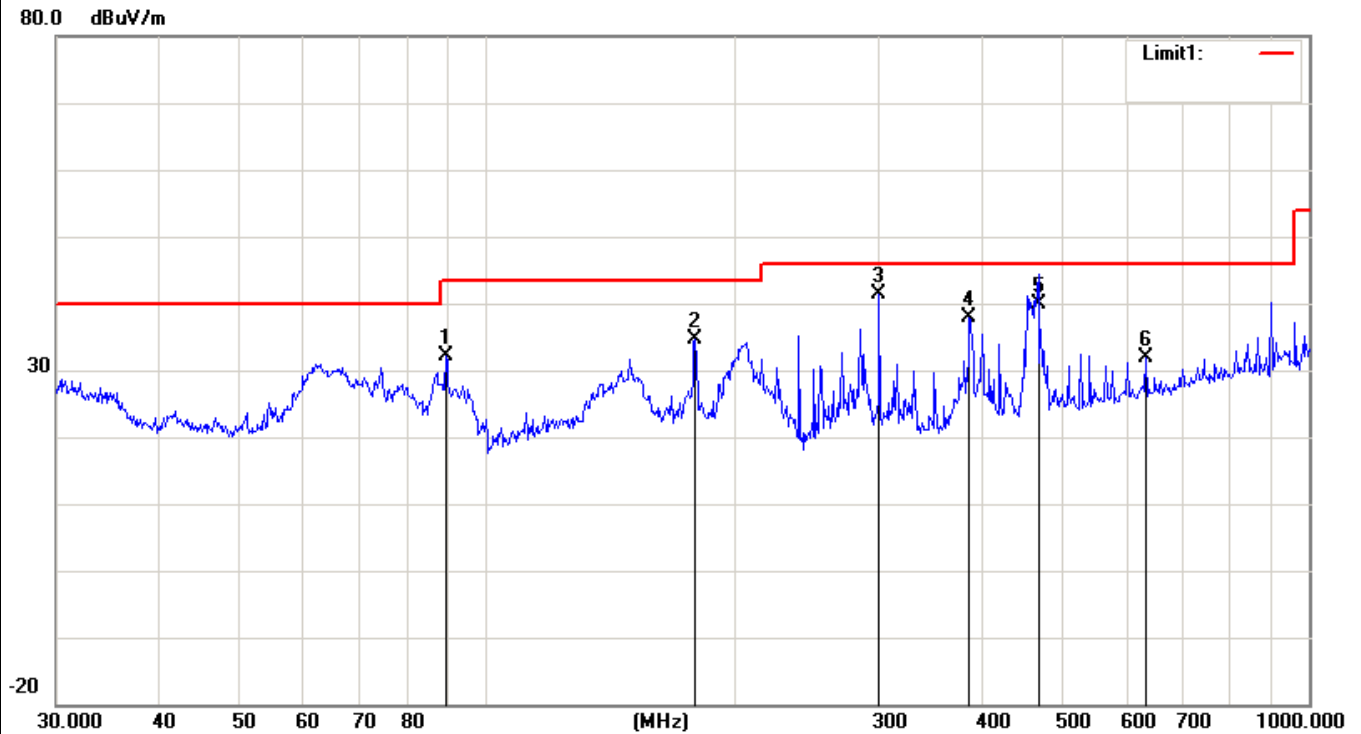


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		89.2764	40.08	-7.98	32.10	43.50	-11.40	QP
2		179.3863	39.74	-5.14	34.60	43.50	-8.90	QP
3	*	300.3672	46.95	-5.69	41.26	46.00	-4.74	QP
4		386.6338	40.84	-3.02	37.82	46.00	-8.18	QP
5		468.8362	41.38	-1.41	39.97	46.00	-6.03	QP
6		633.9071	30.62	1.35	31.97	46.00	-14.03	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 1	Test Date	December 10, 2016

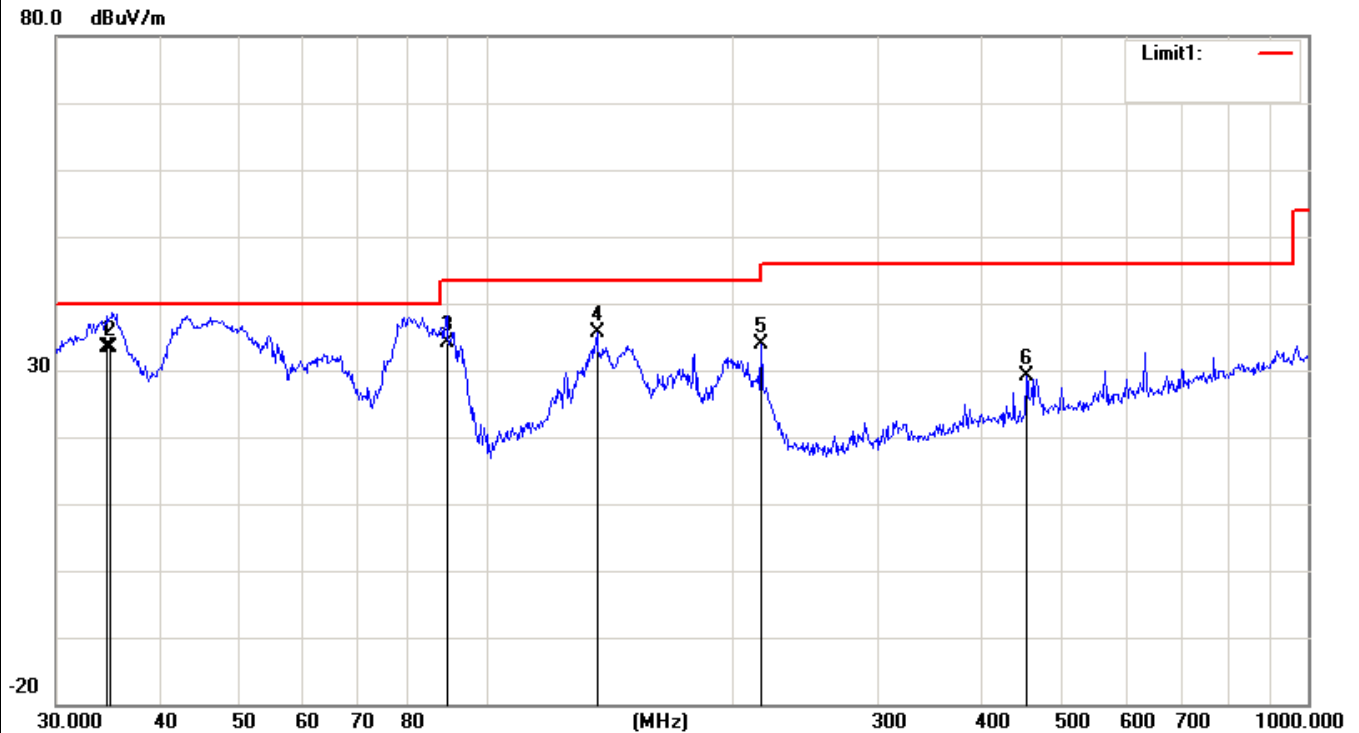


EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 2	Test Date	December 10, 2016



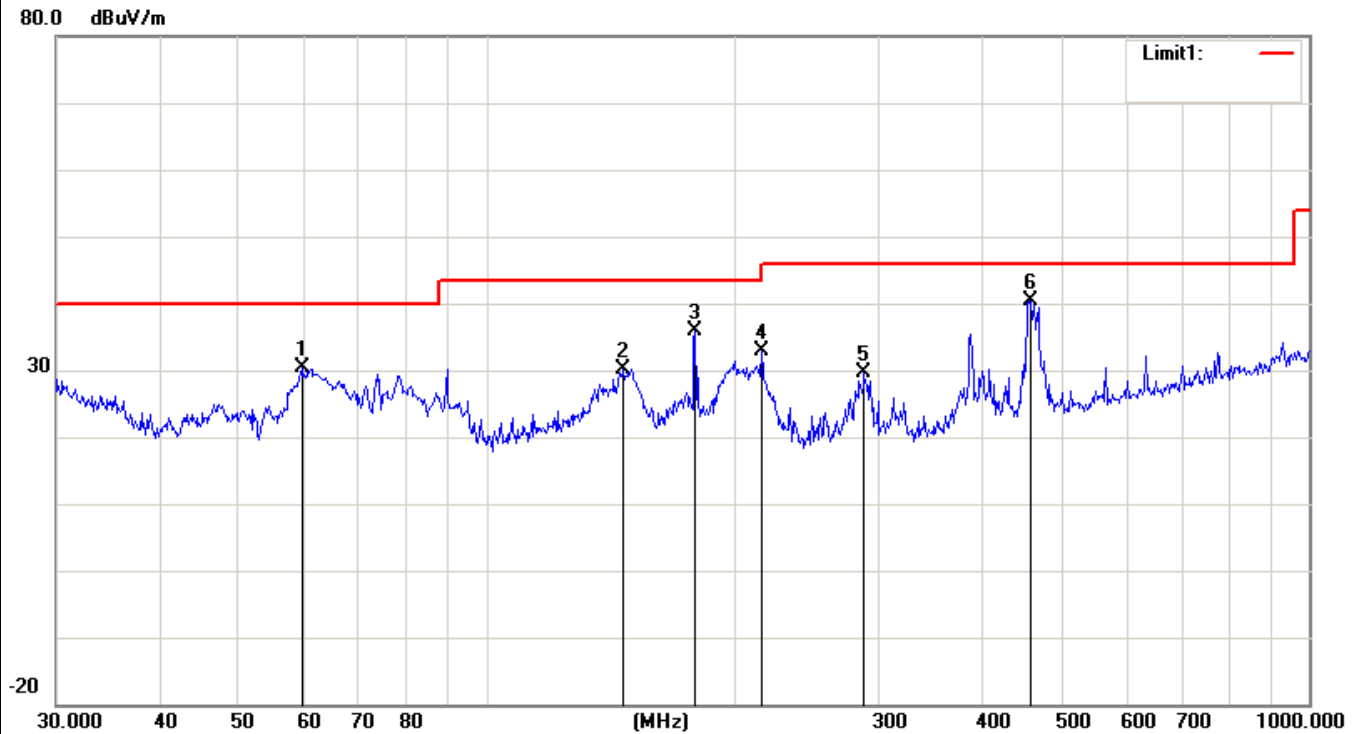
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		89.2764	40.08	-7.98	32.10	43.50	-11.40	QP
2		179.3863	39.74	-5.14	34.60	43.50	-8.90	QP
3	*	300.3672	46.95	-5.69	41.26	46.00	-4.74	QP
4		386.6338	40.84	-3.02	37.82	46.00	-8.18	QP
5		468.8362	41.38	-1.41	39.97	46.00	-6.03	QP
6		633.9071	30.62	1.35	31.97	46.00	-14.03	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 2	Test Date	December 10, 2016



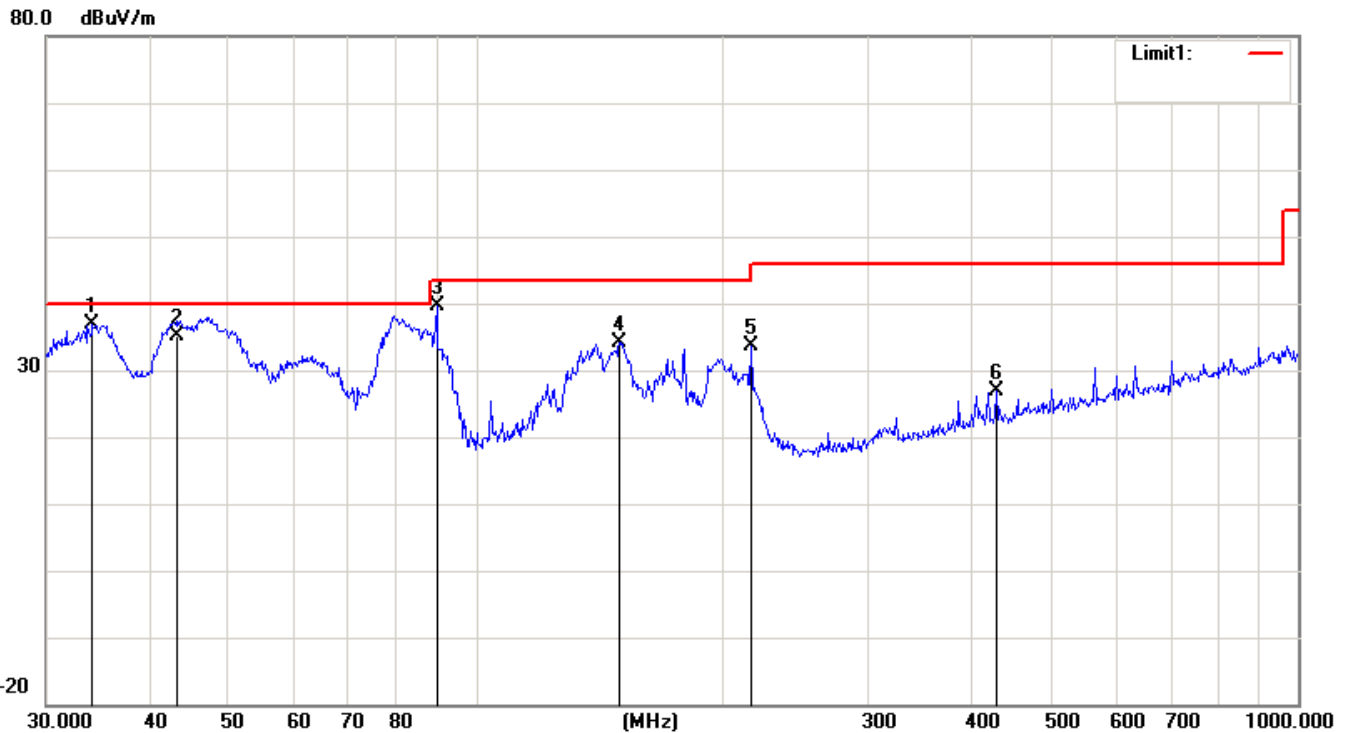
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		34.5378	32.89	0.44	33.33	40.00	-6.67	QP
2	*	34.9841	33.34	0.14	33.48	40.00	-6.52	QP
3		89.4642	42.01	-7.98	34.03	43.50	-9.47	QP
4		136.4598	38.60	-3.05	35.55	43.50	-7.95	QP
5		216.0240	39.19	-5.39	33.80	46.00	-12.20	QP
6		454.3100	31.11	-1.93	29.18	46.00	-16.82	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 3	Test Date	December 10, 2016



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		59.6493	39.68	-9.40	30.28	40.00	-9.72	QP
2		146.8877	33.78	-3.56	30.22	43.50	-13.28	QP
3		179.3863	41.08	-5.14	35.94	43.50	-7.56	QP
4		216.0240	38.23	-5.39	32.84	46.00	-13.16	QP
5		287.9904	35.50	-5.95	29.55	46.00	-16.45	QP
6	*	459.1144	42.22	-1.79	40.43	46.00	-5.57	QP

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 3	Test Date	December 10, 2016



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	34.1561	36.15	0.69	36.84	40.00	-3.16	QP
2		43.4985	40.89	-5.75	35.14	40.00	-4.86	QP
3		89.5899	47.55	-7.98	39.57	43.50	-3.93	QP
4		149.4857	37.99	-3.81	34.18	43.50	-9.32	QP
5		216.0240	38.95	-5.39	33.56	46.00	-12.44	QP
6		429.5228	29.39	-2.45	26.94	46.00	-19.06	QP

5.2.5.2 TEST RESULTS (1GHZ TO 6GHZ)

EUT	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1
Test Date	December 10, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
1632.45	V	59.81	41.64	74	54	-14.19	-12.36
2829.27	V	58.68	40.79	74	54	-15.32	-13.21
1684.52	H	59.08	39.15	74	54	-14.92	-14.85
2831.6	H	58.89	39.89	74	54	-15.11	-14.11

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	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2
Test Date	December 10, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
1583.35	V	58.60	41.30	74	54	-15.40	-12.70
2641.52	V	58.76	40.27	74	54	-15.24	-13.73
1628.42	H	58.87	40.23	74	54	-15.13	-13.77
2810.39	H	58.68	39.68	74	54	-15.32	-14.32

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	Android tablet PC	Model Name	kaleidoscope
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3
Test Date	December 10, 2016		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
1577.35	V	60.49	39.87	74	54	-13.51	-14.13
2652.38	V	58.56	40.12	74	54	-15.44	-13.88
1699.33	H	58.50	40.50	74	54	-15.50	-13.50
2739.42	H	58.48	39.48	74	54	-15.52	-14.52

Remark:

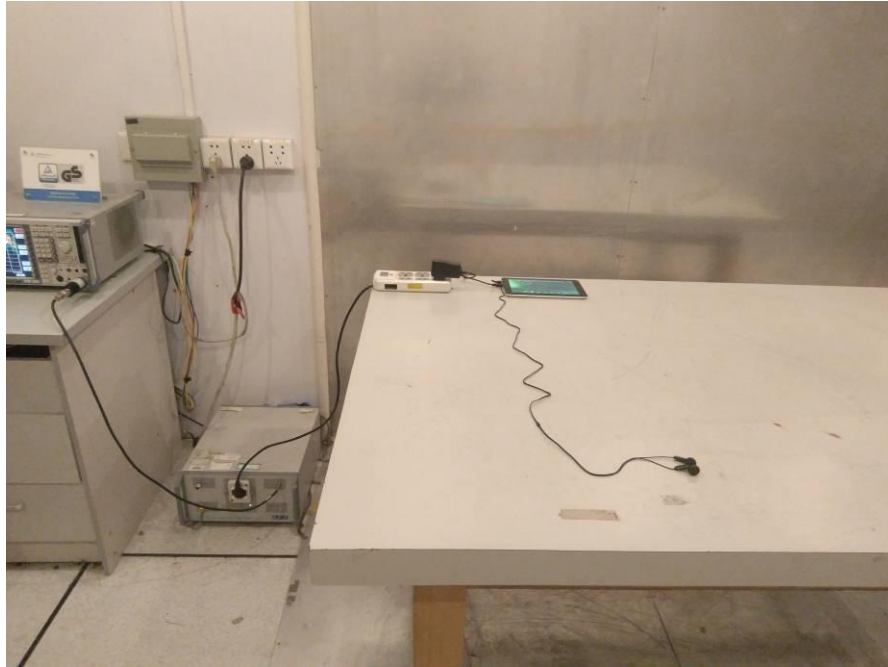
All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

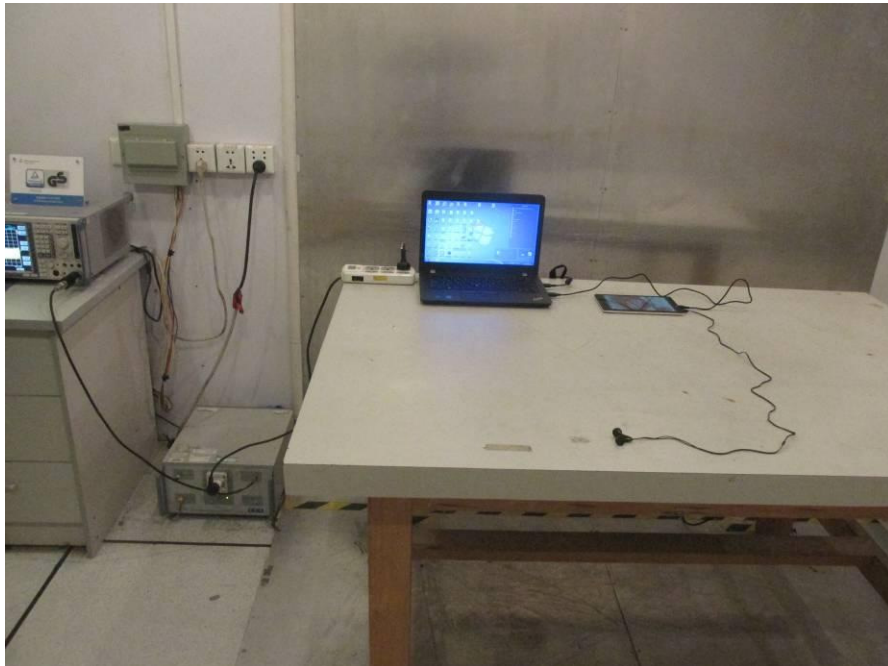
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

6. EUT TEST PHOTO

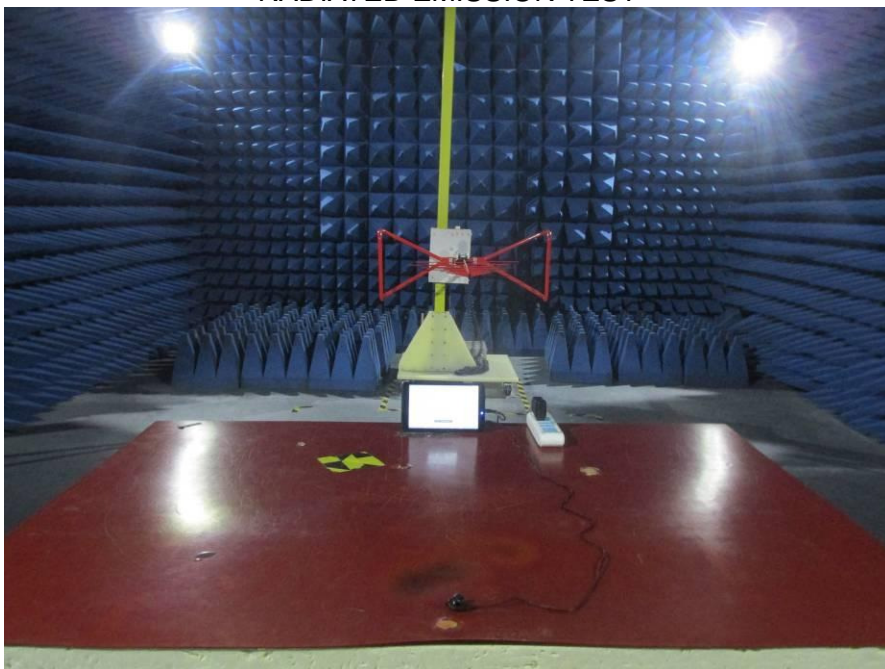
CONDUCTED EMISSION TEST



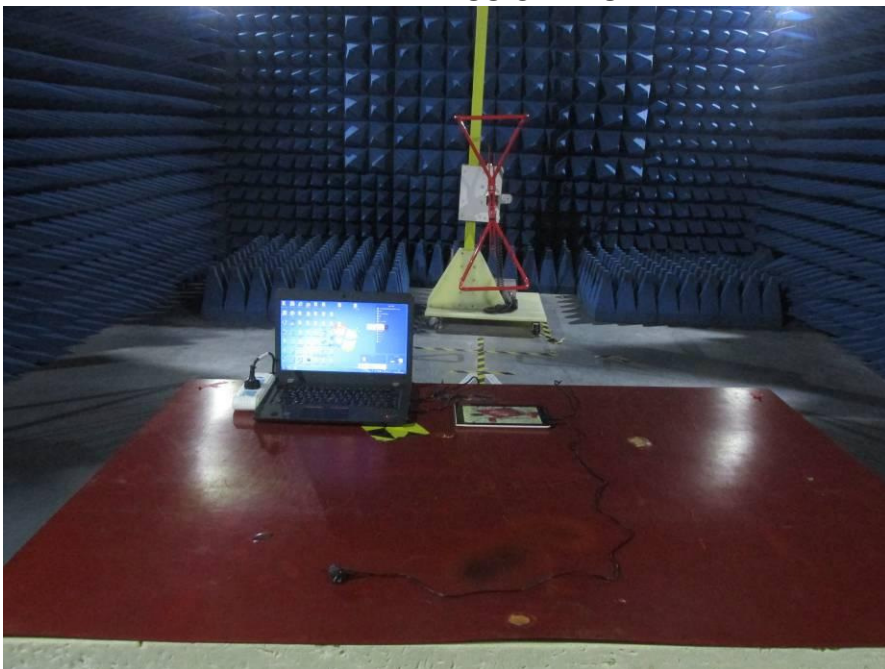
CONDUCTED EMISSION TEST



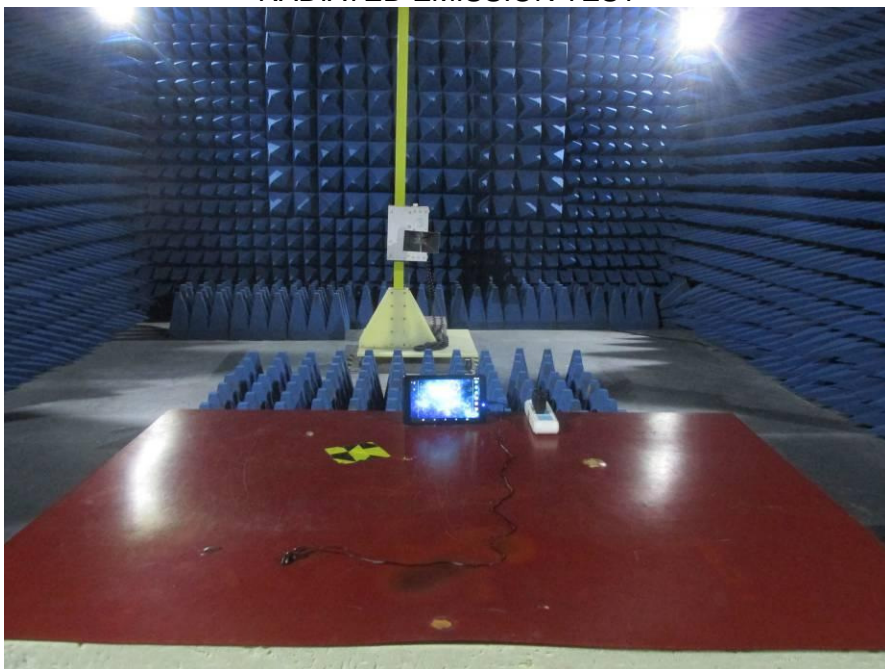
RADIATED EMISSION TEST



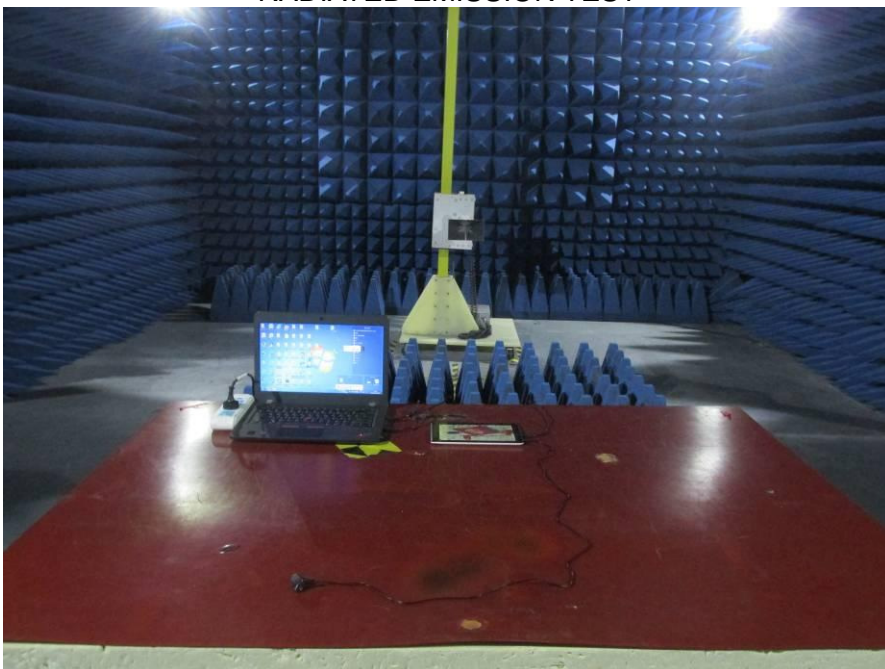
RADIATED EMISSION TEST



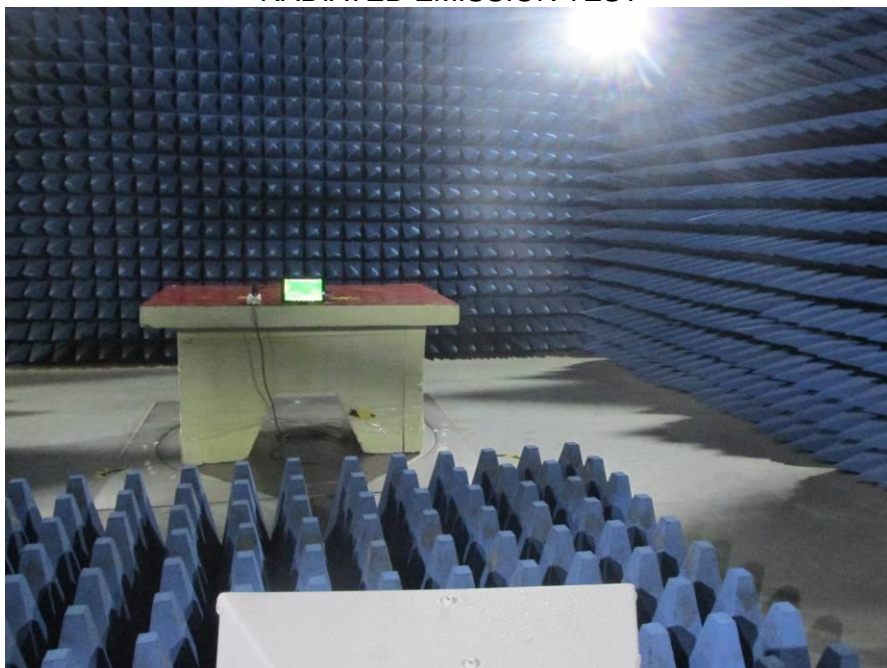
RADIATED EMISSION TEST



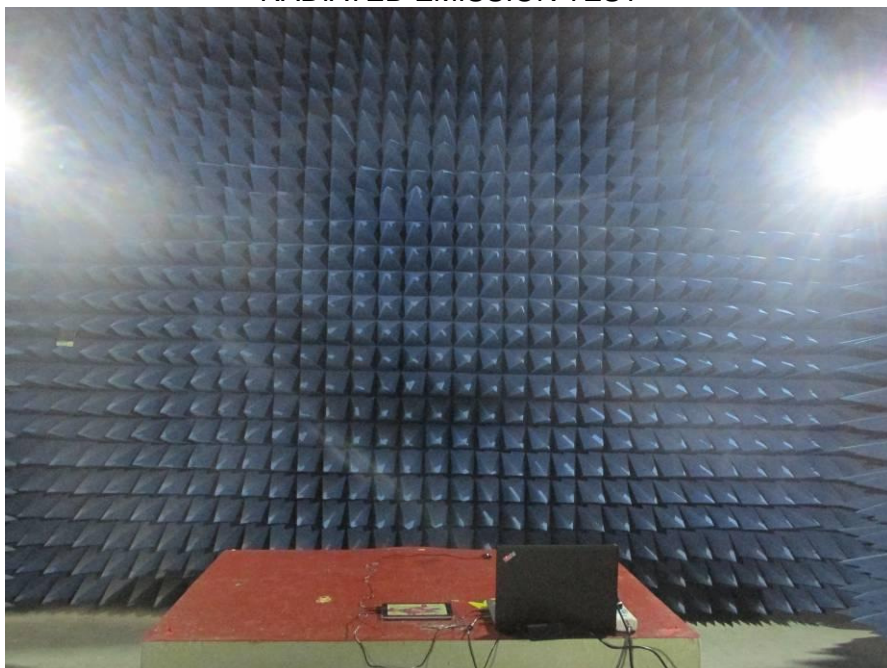
RADIATED EMISSION TEST



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



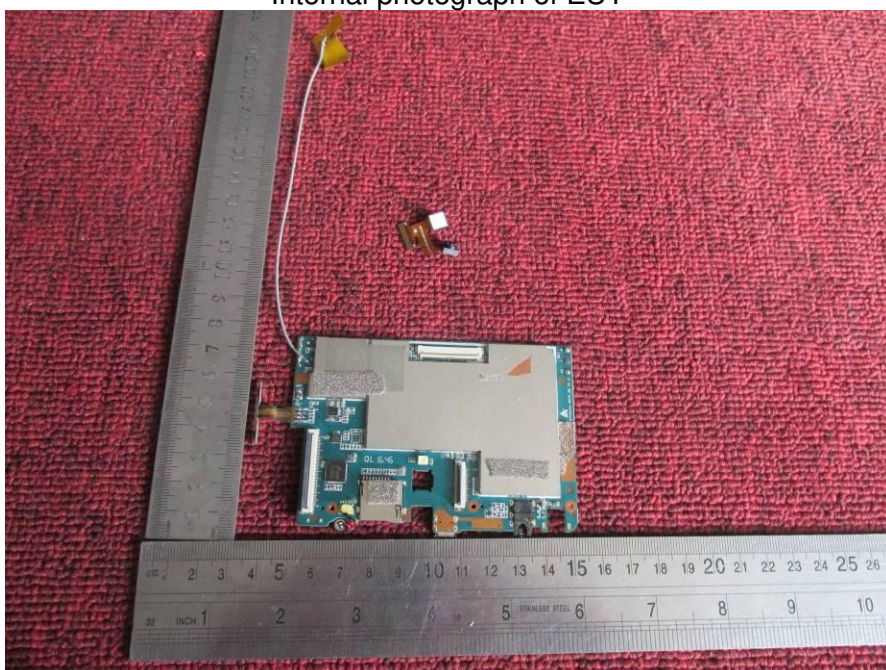
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



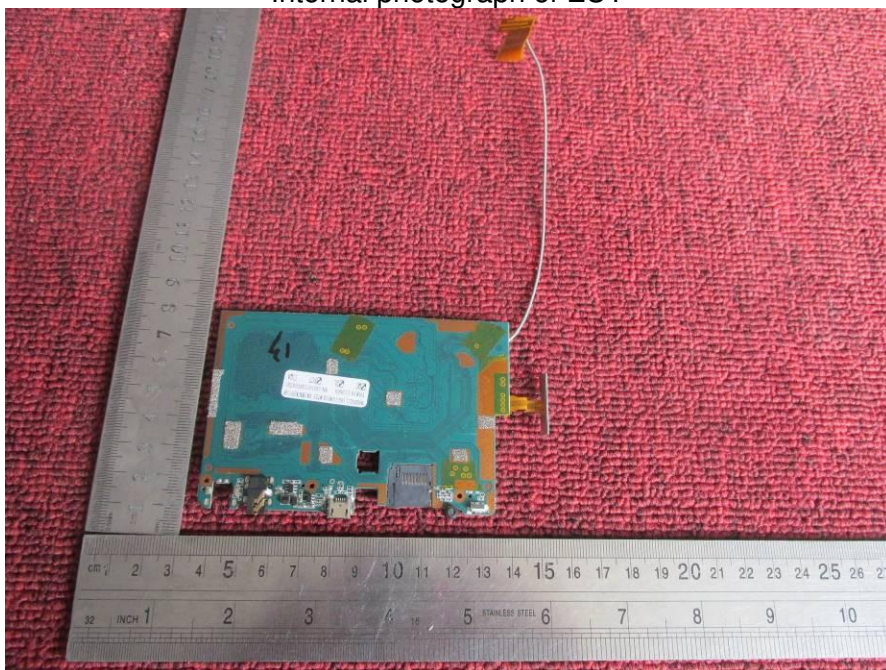
Internal photograph of EUT



Internal photograph of EUT



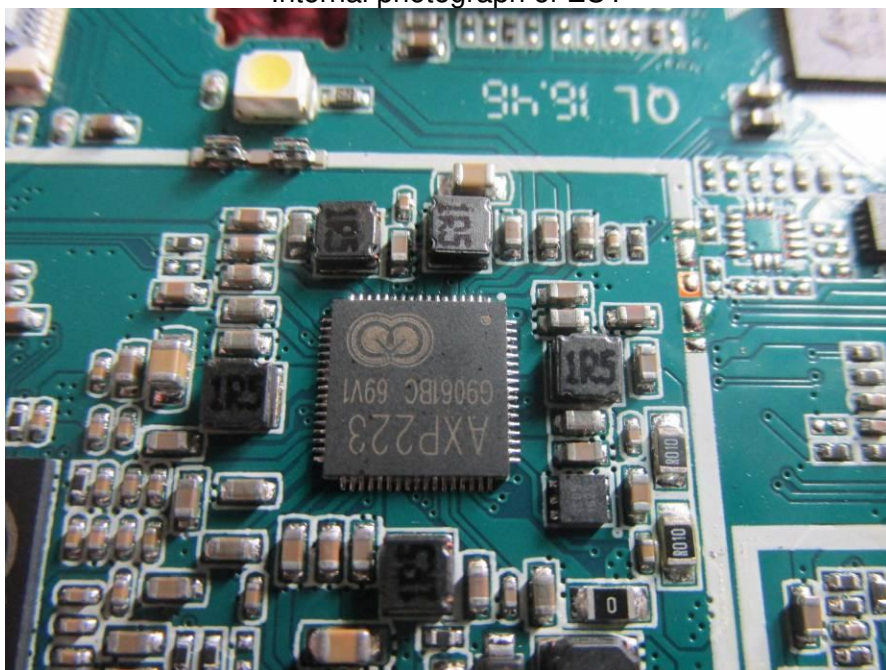
Internal photograph of EUT



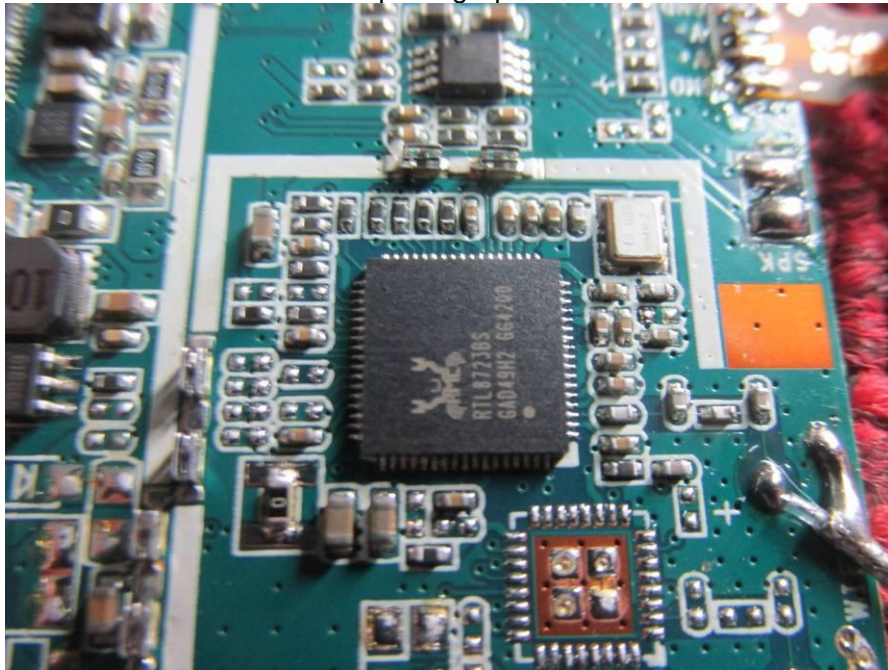
Internal photograph of EUT



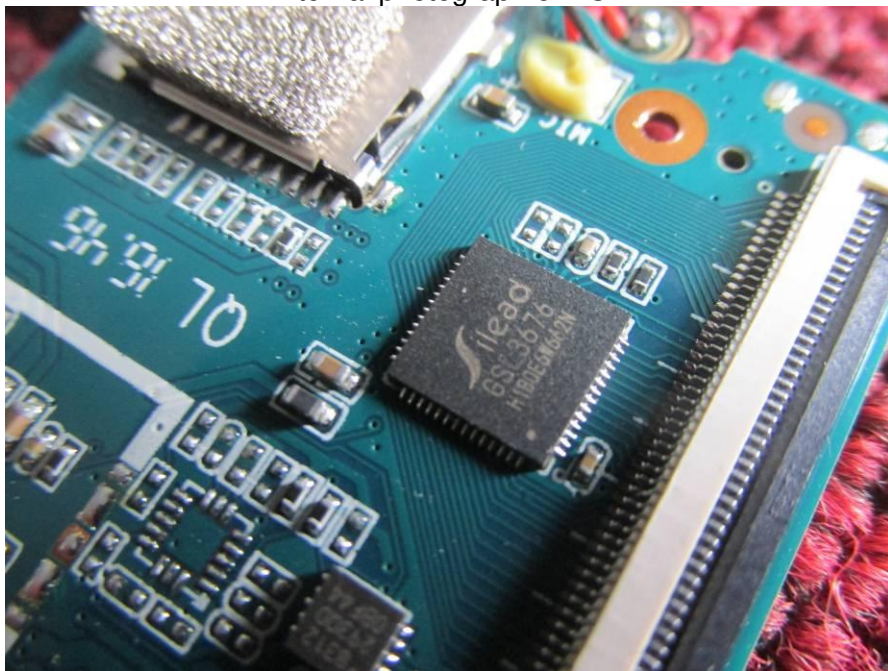
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



---END OF REPORT---