FCC Report

Application Purpose	:	Original grant
Applicant Name:	:	Grand Electronics,INC.
FCC ID	:	2AGNK-S8
Equipment Type	:	Tablet
Model Name	:	S8, S8pro, S8-A, S8x
Report Number	:	FCC17040287A-4
Standard(S)	:	FCC Part 15 Subpart B
Date Of Receipt	:	April 20, 2017
Date Of Issue	:	May 05, 2017

Test By :

(Dekun Liu)

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	/	May 05, 2017	Valid	Original Report

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1. GENERAL INFORMATION

Test Model	S8, S8pro, S8-A, S8x
Applicant	Grand Electronics INC.
Address	11650 Brentcross Dr 11650,Tomball, Texas, United States
Manufacturer	shenzhen kinsen technology co.,ltd
Address	4 Floor , Building 2, Maosheng industrial area ,Huafeng Road,Dalang,Longhua ,shenzhen P.R. China
Equipment Type	Tablet
Brand Name	**neutab.**
Hardware	C805G 3.1
Software	C805M0-V11LKM8GN8GEN-05.WXGA
Battery information:	Li-Polymer Battery : 3010080 Voltage: 3.7V Capacity: 3000mAh Limited Charge Voltage: 4.2V
Adapter Information:	Adapter: HS-13W02 Input: AC 100~240V 50/60Hz 0.5A Output: DC 5.0V⎓2000mA
Data of receipt	April 20, 2017
Date of test	April 20, 2017 to May 03, 2017
Deviation	None
Condition of Test Sample	Normal

Equipment Type	Trade Name	Test Model	Description
Tablet	neutab.	S8	memory is 16+1G
Tablet	neutab.	S8pro	memory is 16+2G
Tablet	neutab.	S8-A	memory is 8+1G
Tablet	neutab.	S8x	memory is 32+2G

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.

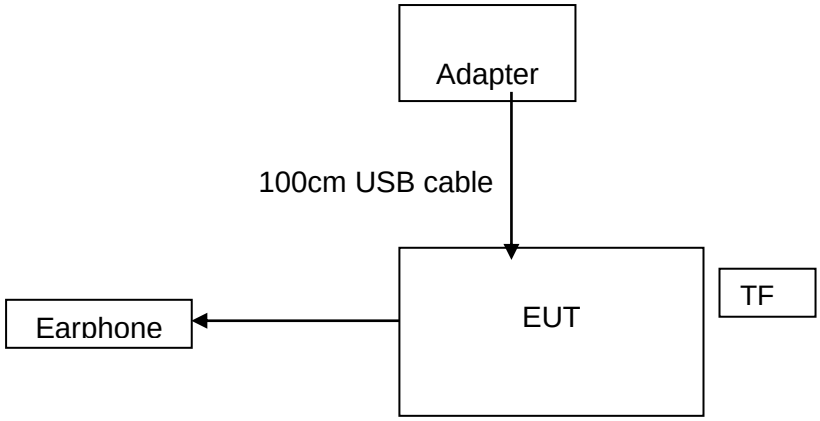
Pretest Mode	Description
Mode 1	Video Recording
Model 2	Video Playing
Mode 3	Exchange data with computer
Mode 4	FM

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	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	FM

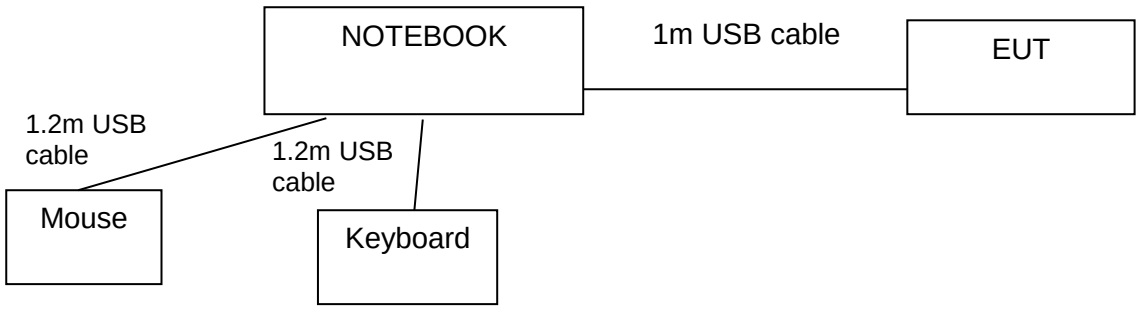
2.3 CONFIGURATION OF SYSTEM UNDER TEST

Mode 1&2&4:



(EUT: Tablet)

Mode 3:



(EUT: Tablet)

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	/	HS-13W02	/	/
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

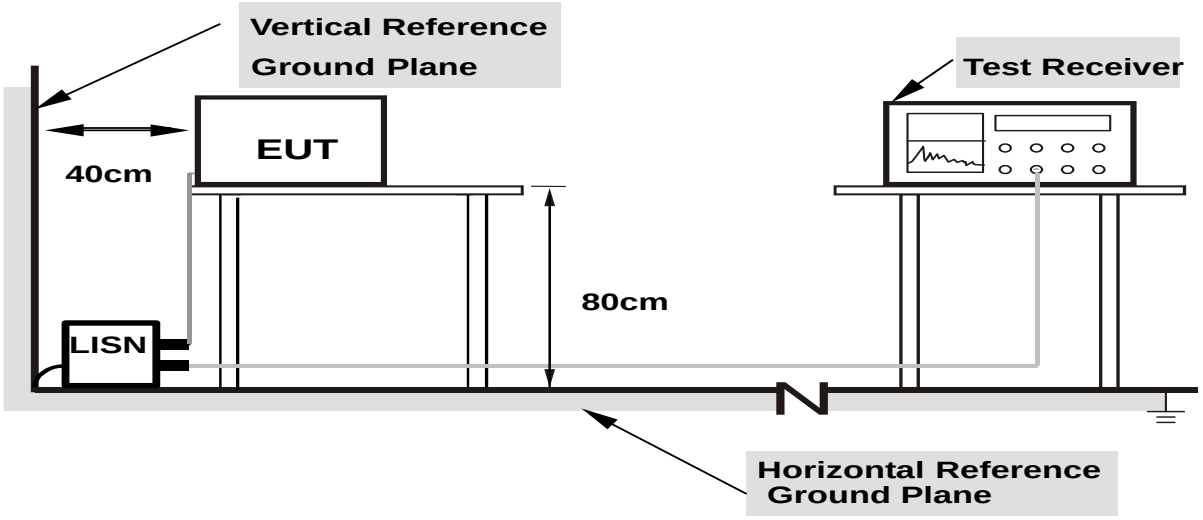
5.1.2 TEST PROCEDURE

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



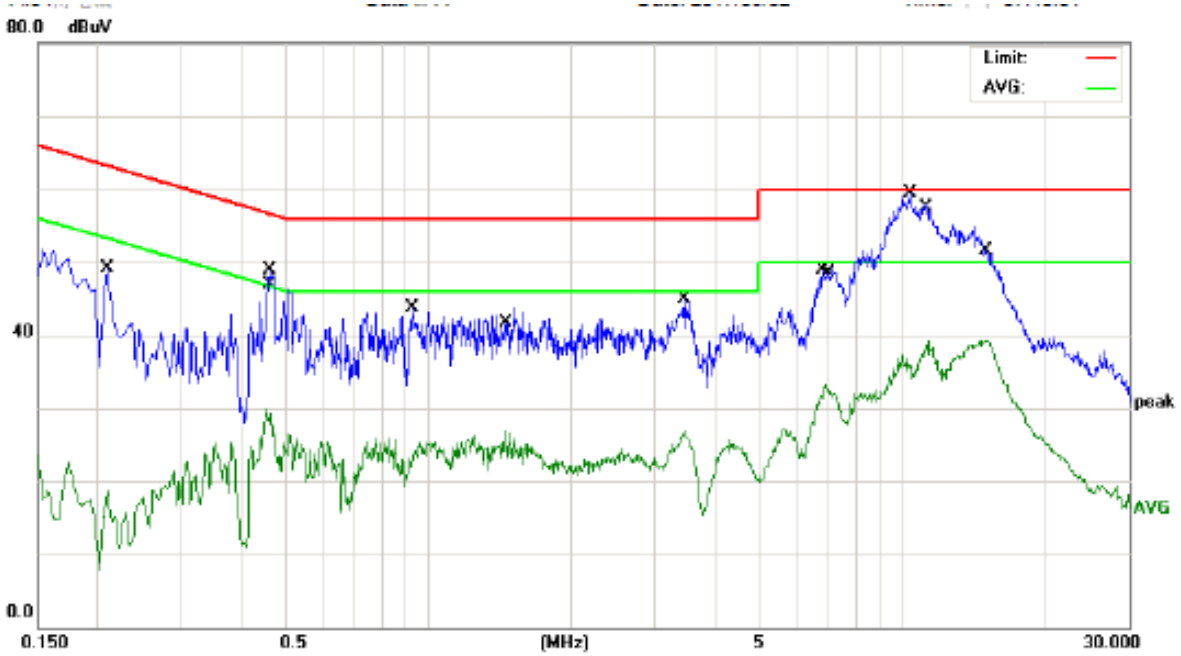
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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.

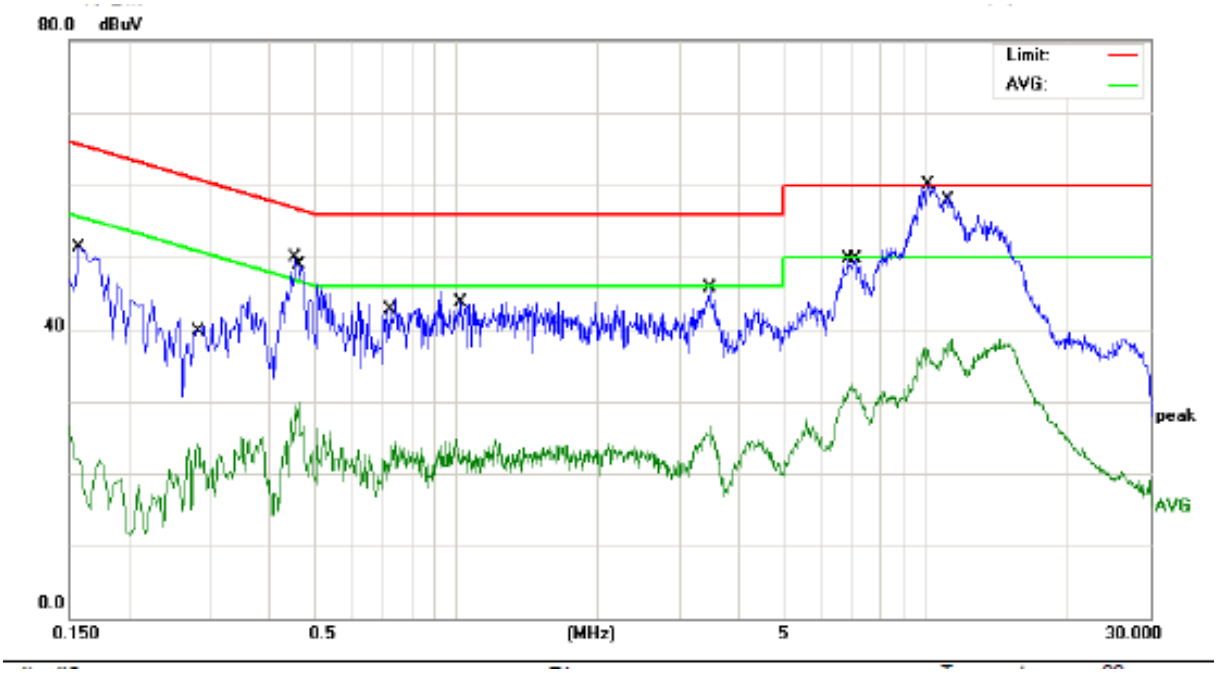
5.1.6 TEST RESULTS

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	April 25, 2017	Test Mode	Mode 1



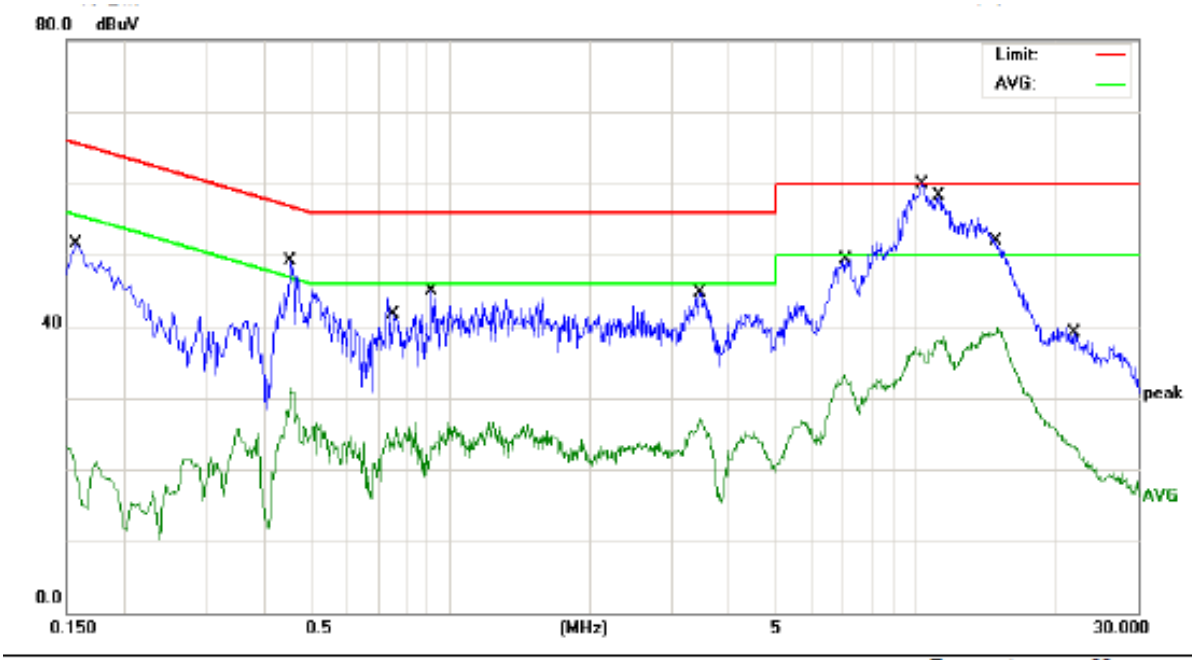
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2100	37.79	11.21	49.00	63.20	-14.20	QP
2		0.4540	19.16	10.79	29.95	46.80	-16.85	AVG
3	*	0.4620	38.17	10.77	48.94	56.66	-7.72	QP
4		0.9260	32.92	10.69	43.61	56.00	-12.39	QP
5		1.4420	16.18	10.66	26.84	46.00	-19.16	AVG
6		3.4660	34.25	10.56	44.81	56.00	-11.19	QP
7		3.4660	16.36	10.56	26.92	46.00	-19.08	AVG
8		6.7780	38.26	10.58	48.84	60.00	-11.16	QP
9		6.9100	22.74	10.57	33.31	50.00	-16.69	AVG
10		10.3540	39.55	10.61	50.16	60.00	-9.84	QP
11		11.3300	28.63	10.62	39.25	50.00	-10.75	AVG
12		15.0220	28.67	10.63	39.30	50.00	-10.70	AVG

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	April 25, 2017	Test Mode	Mode 1



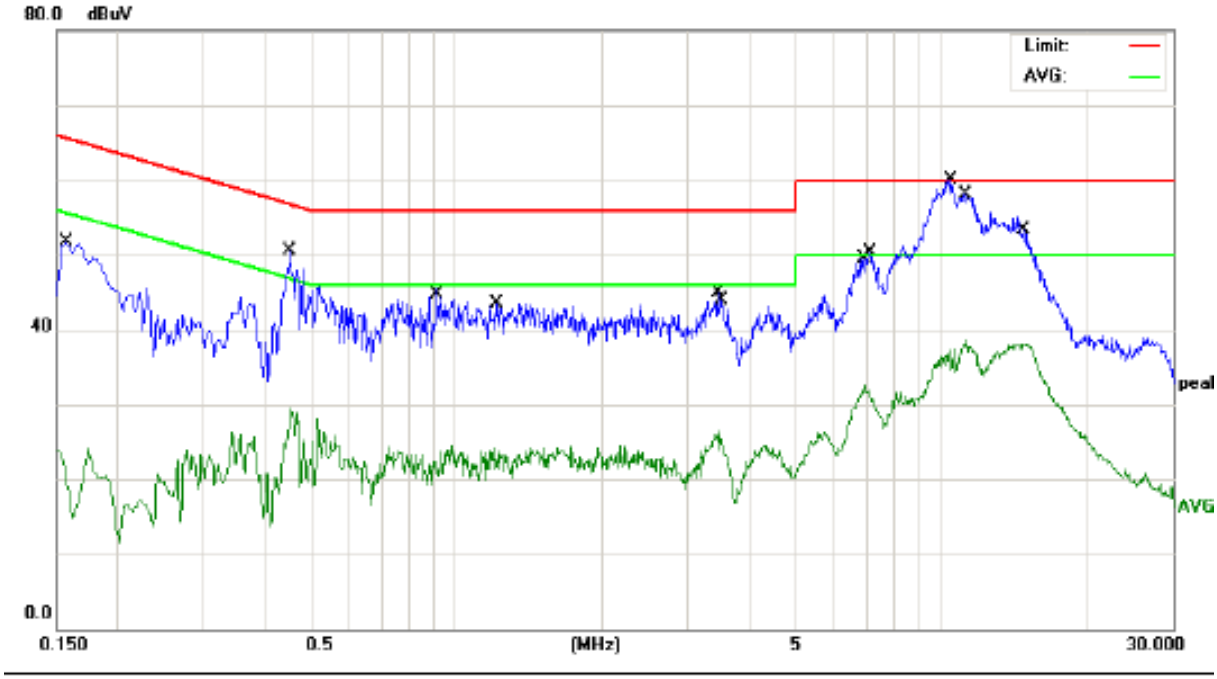
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	39.48	11.85	51.33	65.56	-14.23	QP
2		0.2819	13.10	11.09	24.19	50.76	-26.57	AVG
3	*	0.4540	39.09	10.79	49.88	56.80	-6.92	QP
4		0.4620	19.06	10.77	29.83	46.66	-16.83	AVG
5		0.7300	13.13	10.71	23.84	46.00	-22.16	AVG
6		1.0220	32.95	10.68	43.63	56.00	-12.37	QP
7		3.4580	35.18	10.56	45.74	56.00	-10.26	QP
8		3.4740	16.11	10.56	26.67	46.00	-19.33	AVG
9		6.8780	21.39	10.57	31.96	50.00	-18.04	AVG
10		7.0980	39.19	10.57	49.76	60.00	-10.24	QP
11		10.1140	40.47	10.61	51.08	60.00	-8.92	QP
12		11.3380	28.05	10.62	38.67	50.00	-11.33	AVG

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	April 25, 2017	Test Mode	Mode 2



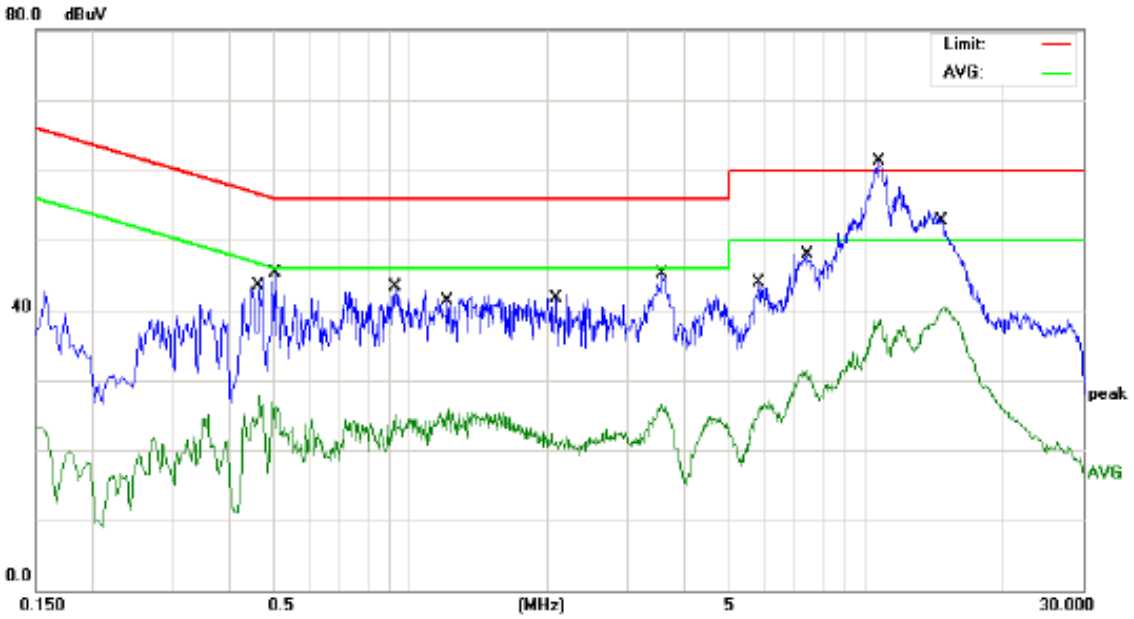
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	39.57	11.85	51.42	65.56	-14.14	QP
2	*	0.4540	38.24	10.79	49.03	56.80	-7.77	QP
3		0.4540	20.76	10.79	31.55	46.80	-15.25	AVG
4		0.7660	15.16	10.71	25.87	46.00	-20.13	AVG
5		0.9140	34.22	10.69	44.91	56.00	-11.09	QP
6		3.4500	34.19	10.56	44.75	56.00	-11.25	QP
7		3.4500	16.50	10.56	27.06	46.00	-18.94	AVG
8		7.0460	22.65	10.57	33.22	50.00	-16.78	AVG
9		10.3220	39.98	10.61	50.59	60.00	-9.41	QP
10		11.1860	27.56	10.62	38.18	50.00	-11.82	AVG
11		15.0260	29.32	10.63	39.95	50.00	-10.05	AVG
12		22.0380	28.43	10.63	39.06	60.00	-20.94	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	April 25, 2017	Test Mode	Mode 2



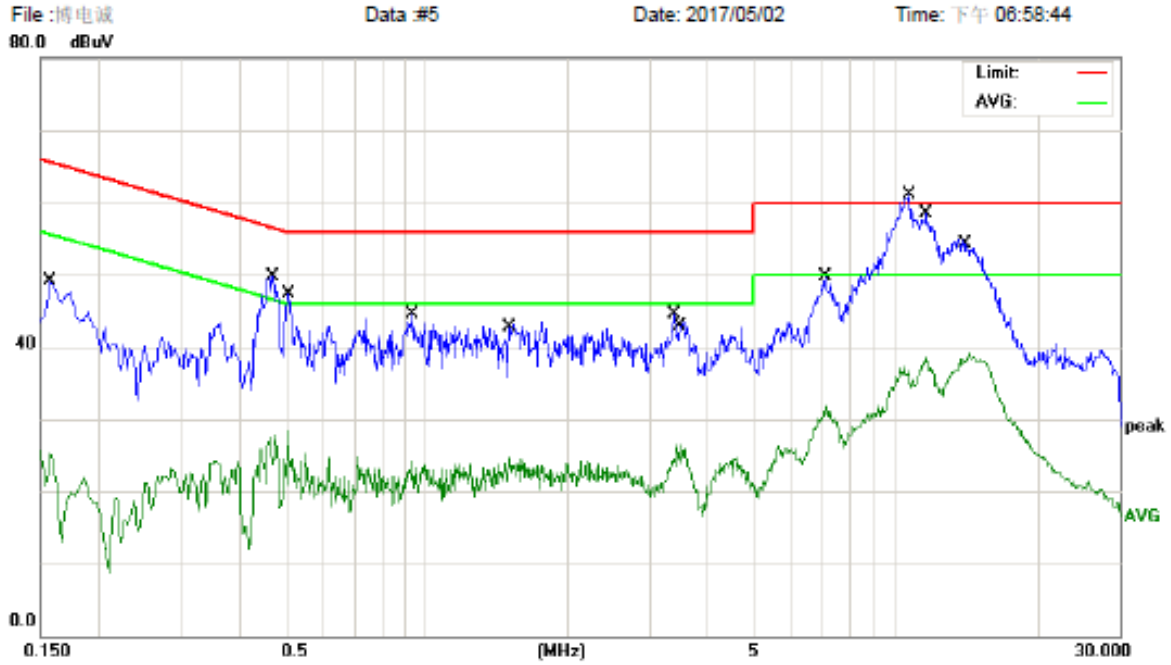
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	39.76	11.85	51.61	65.56	-13.95	QP
2	*	0.4540	39.76	10.79	50.55	56.80	-6.25	QP
3		0.4580	18.65	10.77	29.42	46.73	-17.31	AVG
4		0.9260	33.66	10.69	44.35	56.00	-11.65	QP
5		1.2020	13.49	10.67	24.16	46.00	-21.84	AVG
6		3.4660	15.93	10.56	26.49	46.00	-19.51	AVG
7		3.5140	33.31	10.56	43.87	56.00	-12.13	QP
8		6.9860	22.20	10.57	32.77	50.00	-17.23	AVG
9		7.1740	39.82	10.57	50.39	60.00	-9.61	QP
10		10.4700	39.00	10.61	49.61	60.00	-10.39	QP
11		11.2580	28.12	10.62	38.74	50.00	-11.26	AVG
12		14.6900	27.50	10.63	38.13	50.00	-11.87	AVG

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	April 25, 2017	Test Mode	Mode 3



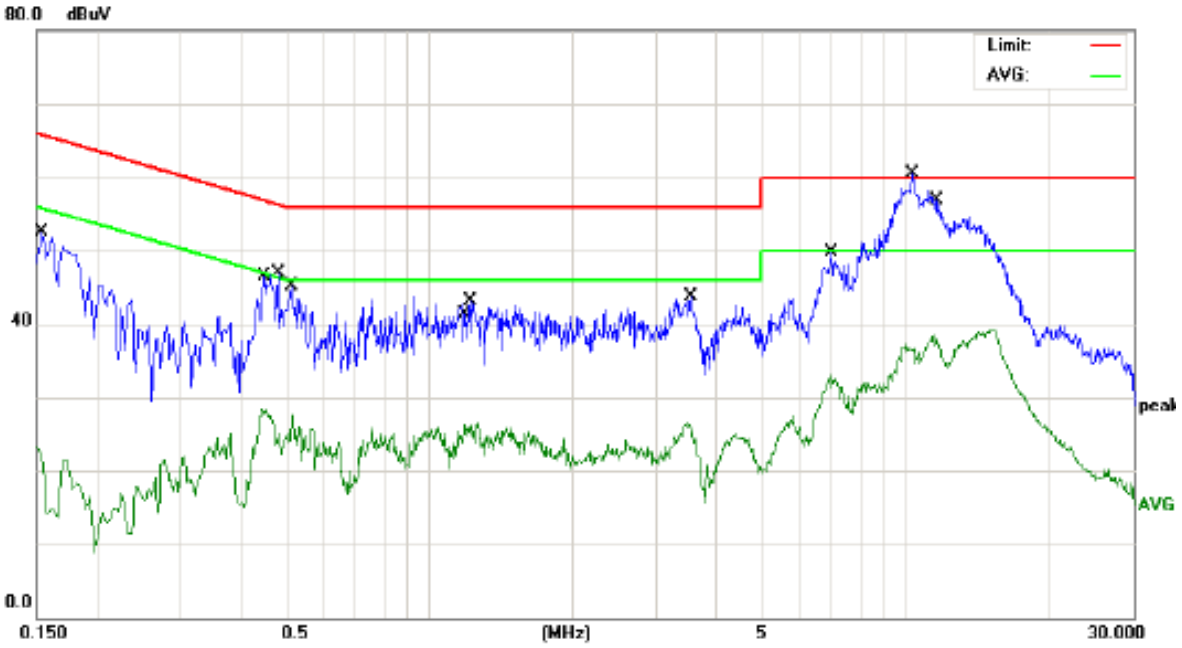
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.4660	17.12	10.76	27.88	46.58	-18.70	AVG
2		0.5060	34.64	10.70	45.34	56.00	-10.66	QP
3		0.9260	32.66	10.69	43.35	56.00	-12.65	QP
4		1.2100	15.15	10.67	25.82	46.00	-20.18	AVG
5		2.0980	31.18	10.61	41.79	56.00	-14.21	QP
6		3.5420	16.22	10.56	26.78	46.00	-19.22	AVG
7		3.5700	34.56	10.56	45.12	56.00	-10.88	QP
8		5.8340	33.27	10.54	43.81	60.00	-16.19	QP
9		7.3900	20.97	10.57	31.54	50.00	-18.46	AVG
10	*	10.6660	42.39	10.60	52.99	60.00	-7.01	QP
11		10.7900	28.02	10.60	38.62	50.00	-11.38	AVG
12		14.7660	29.67	10.63	40.30	50.00	-9.70	AVG

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	April 25, 2017	Test Mode	Mode 3



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1580	37.25	11.85	49.10	65.56	-16.46	QP
2	*	0.4700	38.95	10.75	49.70	56.51	-6.81	QP
3		0.5060	17.89	10.70	28.59	46.00	-17.41	AVG
4		0.9380	33.90	10.69	44.59	56.00	-11.41	QP
5		1.4980	14.00	10.65	24.65	46.00	-21.35	AVG
6		3.3740	33.90	10.56	44.46	56.00	-11.54	QP
7		3.4300	16.03	10.56	26.59	46.00	-19.41	AVG
8		7.0980	39.19	10.57	49.76	60.00	-10.24	QP
9		7.1660	21.26	10.57	31.83	50.00	-18.17	AVG
10		10.6620	40.12	10.60	50.72	60.00	-9.28	QP
11		11.6420	27.83	10.62	38.45	50.00	-11.55	AVG
12		14.1540	27.96	10.62	38.58	50.00	-11.42	AVG

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	April 25, 2017	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	40.60	11.91	52.51	65.78	-13.27	QP
2		0.4460	17.73	10.80	28.53	46.95	-18.42	AVG
3		0.4820	36.11	10.73	46.84	56.30	-9.46	QP
4		0.5180	17.07	10.70	27.77	46.00	-18.23	AVG
5		1.1900	15.66	10.67	26.33	46.00	-19.67	AVG
6		1.2220	32.49	10.67	43.16	56.00	-12.84	QP
7		3.4980	16.05	10.56	26.61	46.00	-19.39	AVG
8		3.5380	33.15	10.56	43.71	56.00	-12.29	QP
9		6.9420	22.54	10.57	33.11	50.00	-16.89	AVG
10		6.9980	39.19	10.57	49.76	60.00	-10.24	QP
11	*	10.3139	40.07	10.61	50.68	60.00	-9.32	QP
12		11.5540	27.93	10.62	38.55	50.00	-11.45	AVG

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	April 25, 2017	Test Mode	Mode 4

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	C
1		0.1580	39.76	11.85	51.61	65.56	-13.95	QP	
2	*	0.4540	39.76	10.79	50.55	56.80	-6.25	QP	
3		0.4580	18.65	10.77	29.42	46.73	-17.31	AVG	
4		0.9260	33.66	10.69	44.35	56.00	-11.65	QP	
5		1.2020	13.49	10.67	24.16	46.00	-21.84	AVG	
6		3.4660	15.93	10.56	26.49	46.00	-19.51	AVG	
7		3.5140	33.31	10.56	43.87	56.00	-12.13	QP	
8		6.9860	22.20	10.57	32.77	50.00	-17.23	AVG	
9		7.1740	39.82	10.57	50.39	60.00	-9.61	QP	
10		10.4700	39.00	10.61	49.61	60.00	-10.39	QP	
11		11.2580	28.12	10.62	38.74	50.00	-11.26	AVG	
12		14.6900	27.50	10.63	38.13	50.00	-11.87	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:

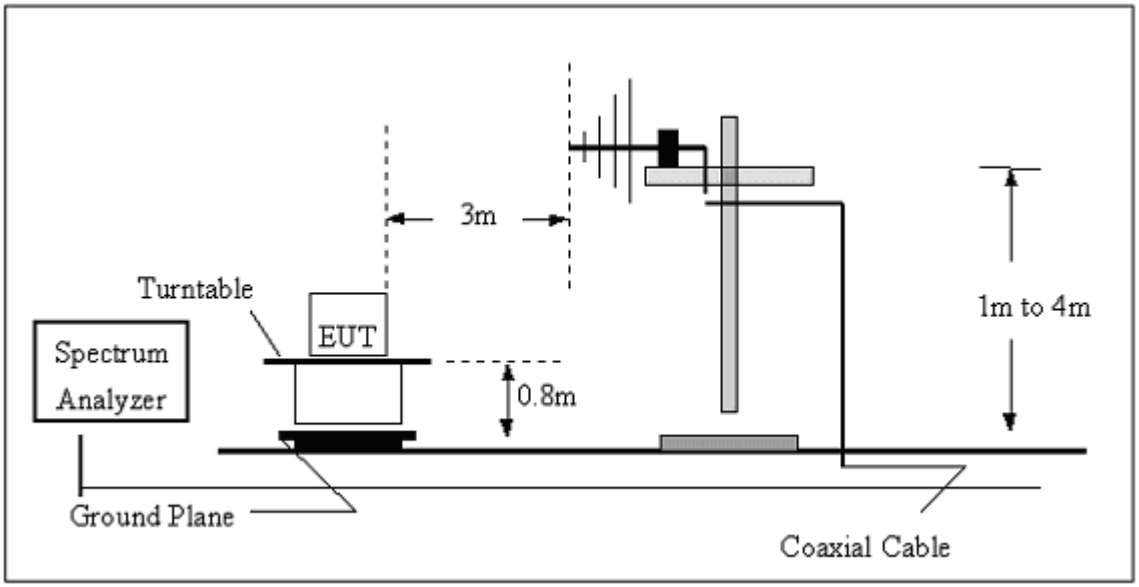
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

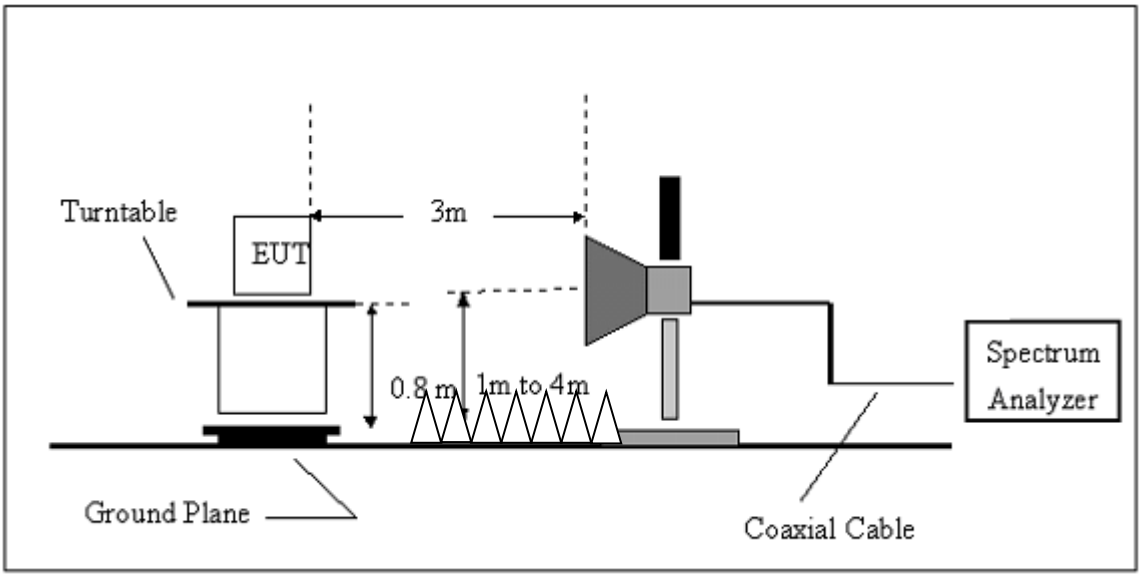
No deviation

5.2.4 TEST SETUP

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



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

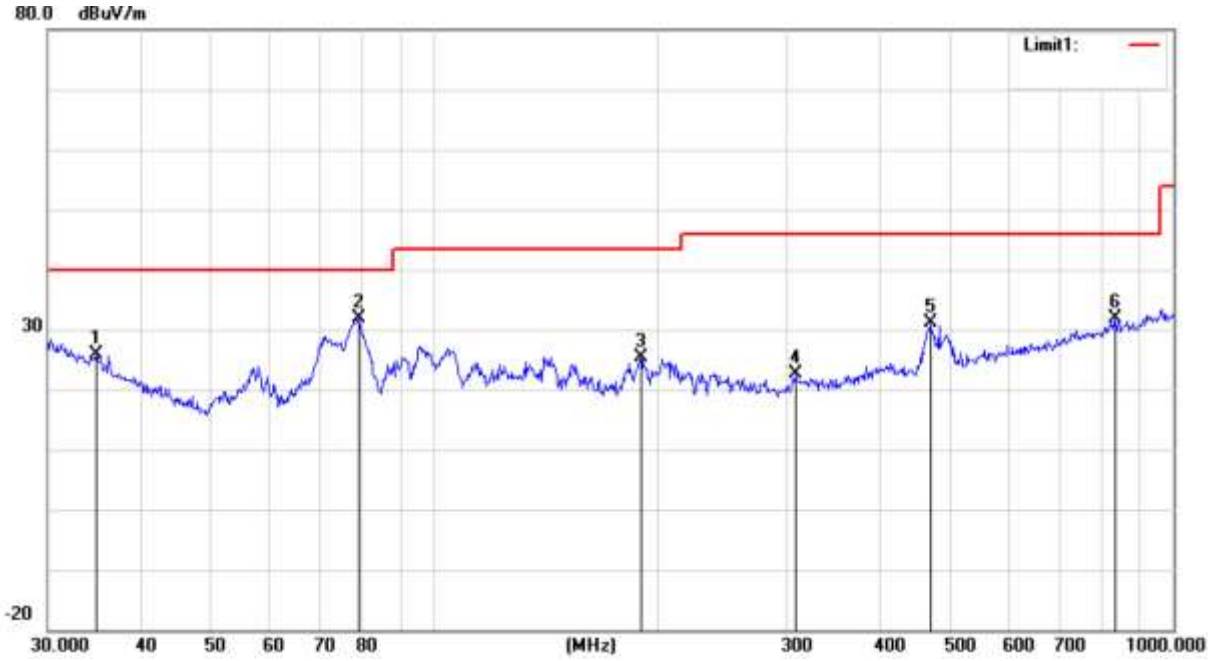


5.2.5 EUT OPERATING CONDITIONS

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.

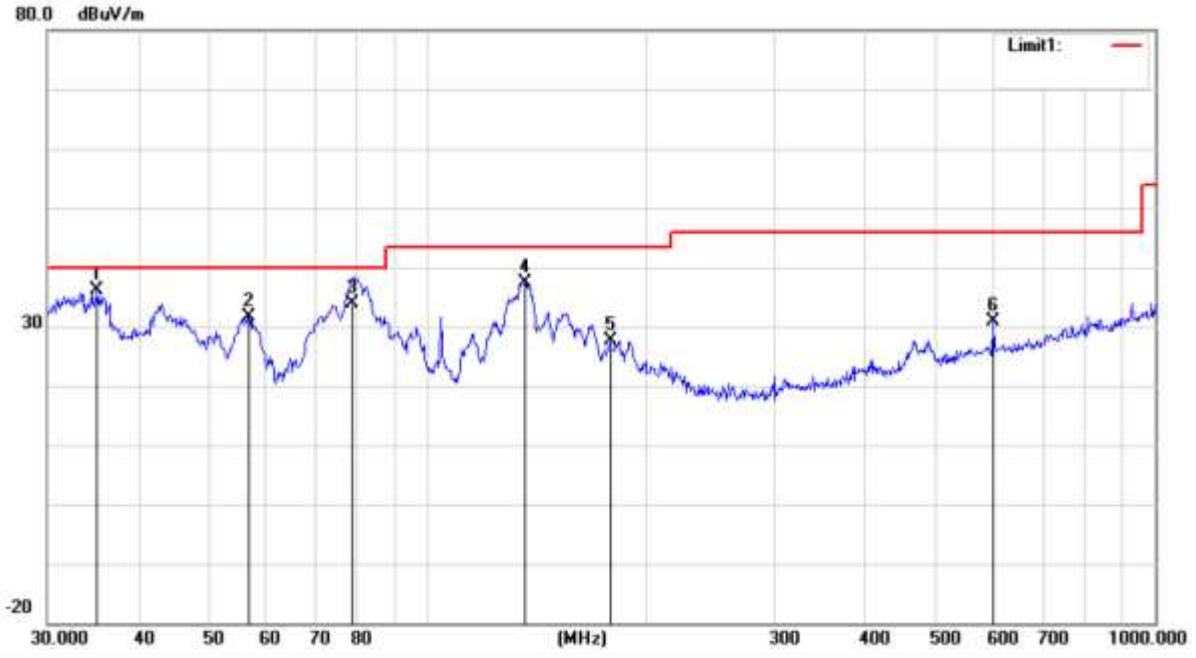
5.2.5.1 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 1	Test Date	April 25, 2017



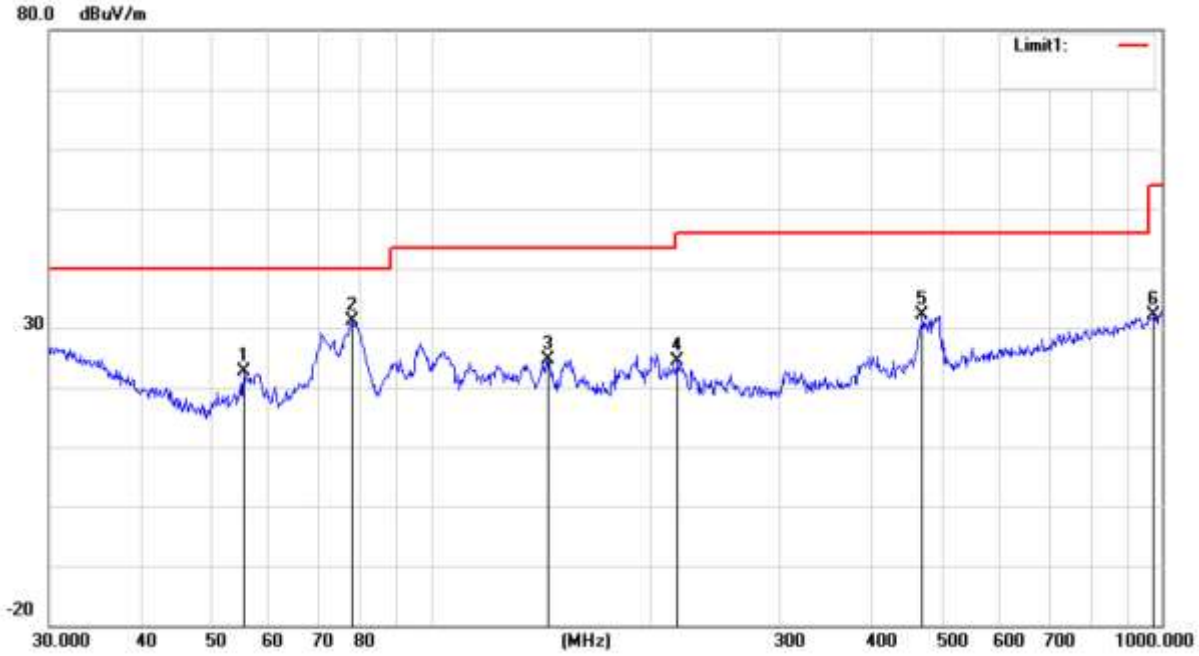
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detect
1		34.8823	25.67	0.21	25.88	40.00	-14.12	QP
2	*	78.9652	39.68	-7.71	31.97	40.00	-8.03	QP
3		190.4050	30.57	-5.28	25.29	43.50	-18.21	QP
4		307.8313	27.35	-4.62	22.73	46.00	-23.27	QP
5		468.8762	32.56	-1.41	31.15	46.00	-14.85	QP
6		833.3171	26.68	5.11	31.79	46.00	-14.21	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 1	Test Date	April 25, 2017



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detecto
1	*	35.1278	36.02	0.04	36.06	40.00	-3.94	QP
2		56.7917	41.05	-9.46	31.59	40.00	-8.41	QP
3		78.9626	41.69	-7.71	33.98	40.00	-6.02	QP
4		135.9822	40.52	-3.04	37.48	43.50	-6.02	QP
5		178.1326	32.63	-5.08	27.55	43.50	-15.95	QP
6		599.3212	29.85	1.01	30.86	46.00	-15.14	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 2	Test Date	April 25, 2017

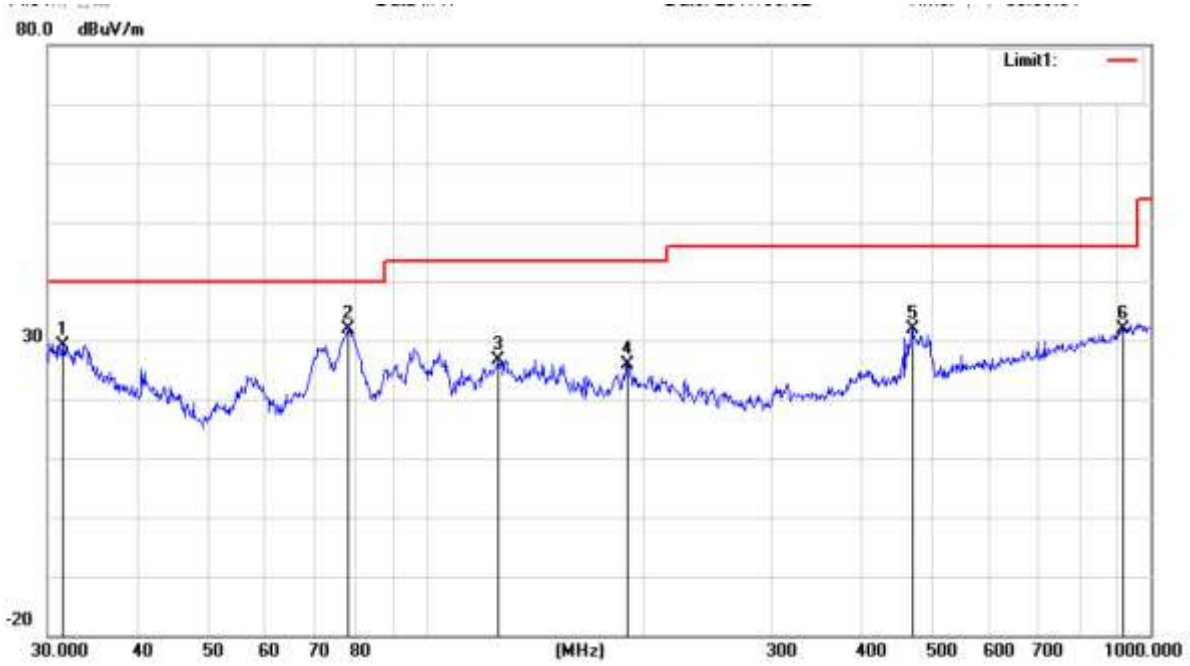


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		55.4147	32.21	-9.49	22.72	40.00	-17.28	QP
2	*	77.8654	38.68	-7.65	31.03	40.00	-8.97	QP
3		144.3348	27.93	-3.34	24.59	43.50	-18.91	QP
4		217.5443	29.71	-5.44	24.27	46.00	-21.73	QP
5		470.5232	33.41	-1.35	32.06	46.00	-13.94	QP
6		975.7529	9.52	22.53	32.05	54.00	-21.95	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 2	Test Date	April 25, 2017

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detecto
1	*	35.3750	36.24	-0.14	36.10	40.00	-3.90	QP
2		80.7452	40.49	-7.78	32.71	40.00	-7.29	QP
3		135.9822	39.60	-3.04	36.56	43.50	-6.94	QP
4		182.5592	31.96	-5.22	26.74	43.50	-16.76	QP
5		467.2349	32.29	-1.47	30.82	46.00	-15.18	QP
6		839.1818	25.35	4.90	30.25	46.00	-15.75	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 3	Test Date	April 25, 2017



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		31.5095	26.74	2.47	29.21	40.00	-10.79	QP
2	*	78.1389	39.46	-7.67	31.79	40.00	-8.21	QP
3		125.8864	28.84	-2.14	26.70	43.50	-16.80	QP
4		189.7385	31.25	-5.28	25.97	43.50	-17.53	QP
5		470.5232	33.17	-1.35	31.82	46.00	-14.18	QP
6		912.8620	25.60	6.39	31.99	46.00	-14.01	QP

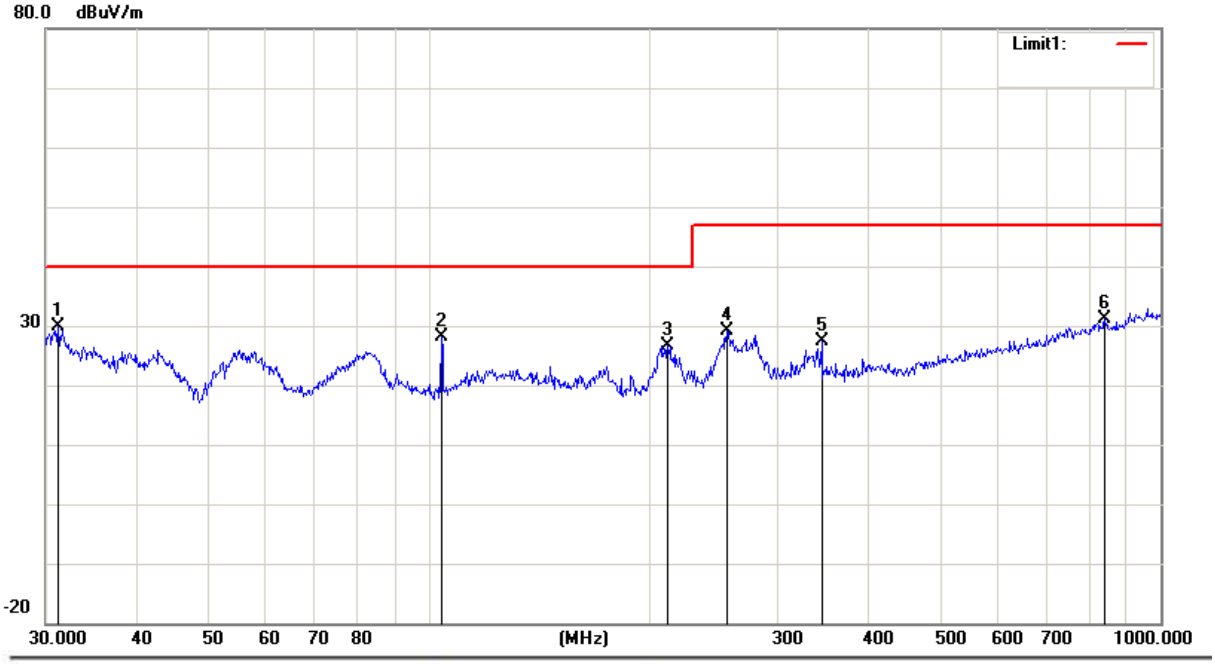
EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 3	Test Date	April 25, 2017

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	35.0048	36.53	0.13	36.66	40.00	-3.34	QP
2		56.9912	39.87	-9.46	30.41	40.00	-9.59	QP
3		79.5403	41.22	-7.73	33.49	40.00	-6.51	QP
4		136.9391	40.36	-3.05	37.31	43.50	-6.19	QP
5		463.9696	32.32	-1.60	30.72	46.00	-15.28	QP
6		912.8620	25.90	6.39	32.29	46.00	-13.71	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 4	Test Date	April 25, 2017

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		32.4059	25.47	1.87	27.34	40.00	-12.66	QP
2	*	78.4133	38.61	-7.68	30.93	40.00	-9.07	QP
3		100.2286	35.70	-6.23	29.47	43.50	-14.03	QP
4		191.0738	30.92	-5.29	25.63	43.50	-17.87	QP
5		470.5231	36.49	-1.35	35.14	46.00	-10.86	QP
6		909.6666	24.75	6.26	31.01	46.00	-14.99	QP

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 4	Test Date	April 25, 2017



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detect
1		32.4059	25.47	1.87	27.34	40.00	-12.66	QP
2	*	78.4133	38.61	-7.68	30.93	40.00	-9.07	QP
3		100.2286	35.70	-6.23	29.47	43.50	-14.03	QP
4		191.0738	30.92	-5.29	25.63	43.50	-17.87	QP
5		470.5231	36.49	-1.35	35.14	46.00	-10.86	QP
6		909.6666	24.75	6.26	31.01	46.00	-14.99	QP

5.2.5.2 TEST RESULTS (1GHZ TO 25GHZ)

EUT	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1
Test Date	April 25, 2017		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4804.45	V	59.23	41.66	74	54	-14.77	-12.34
7206.27	V	59.71	40.81	74	54	-14.29	-13.19
4804.52	H	59.93	39.18	74	54	-14.07	-14.82
7206.60	H	58.03	39.03	74	54	-15.97	-14.97

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	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2
Test Date	April 25, 2017		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4804.35	V	59.63	39.45	74	54	-14.37	-14.55
7206.52	V	59.20	40.66	74	54	-14.80	-13.34
4804.42	H	58.98	40.01	74	54	-15.02	-13.99
7206.39	H	58.66	39.66	74	54	-15.34	-14.34

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	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3
Test Date	April 25, 2017		

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4804.35	V	58.24	41.44	74	54	-15.76	-12.56
7206.38	V	58.63	40.78	74	54	-15.37	-13.22
4803.33	H	59.26	40.39	74	54	-14.74	-13.61
7205.42	H	58.21	39.21	74	54	-15.79	-14.79

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	Tablet	Model Name	S8, S8pro, S8-A, S8x
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4
Test Date	April 25, 2017		

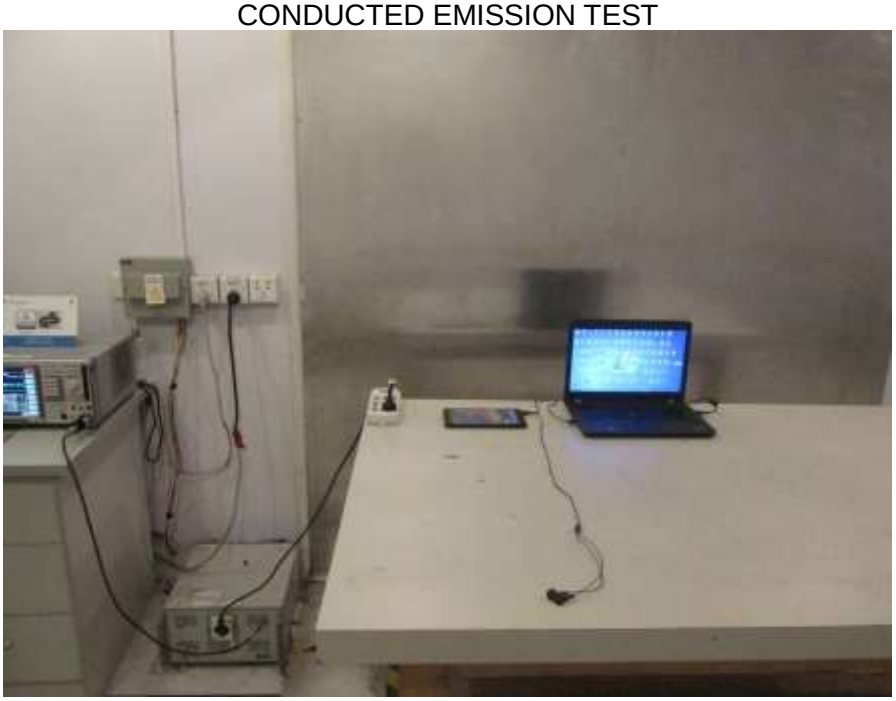
Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4804.35	V	60.96	40.42	74	54	-13.04	-13.58
7206.52	V	59.20	40.73	74	54	-14.80	-13.27
4804.42	H	59.71	39.05	74	54	-14.29	-14.95
7206.39	H	58.55	39.55	74	54	-15.45	-14.45

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

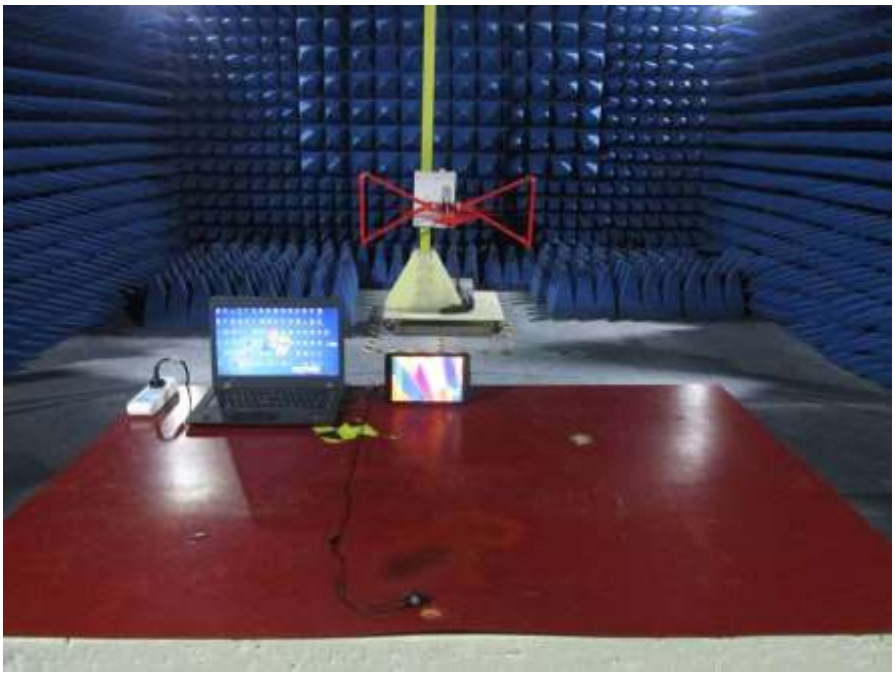
CONDUCTED EMISSION TEST

CONDUCTED EMISSION TEST

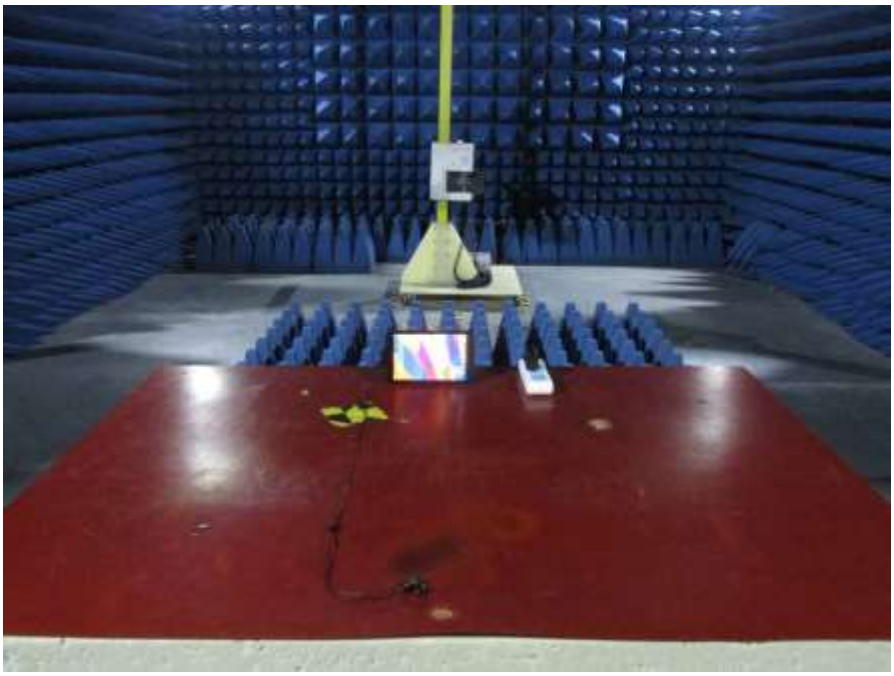


RADIATED EMISSION TEST

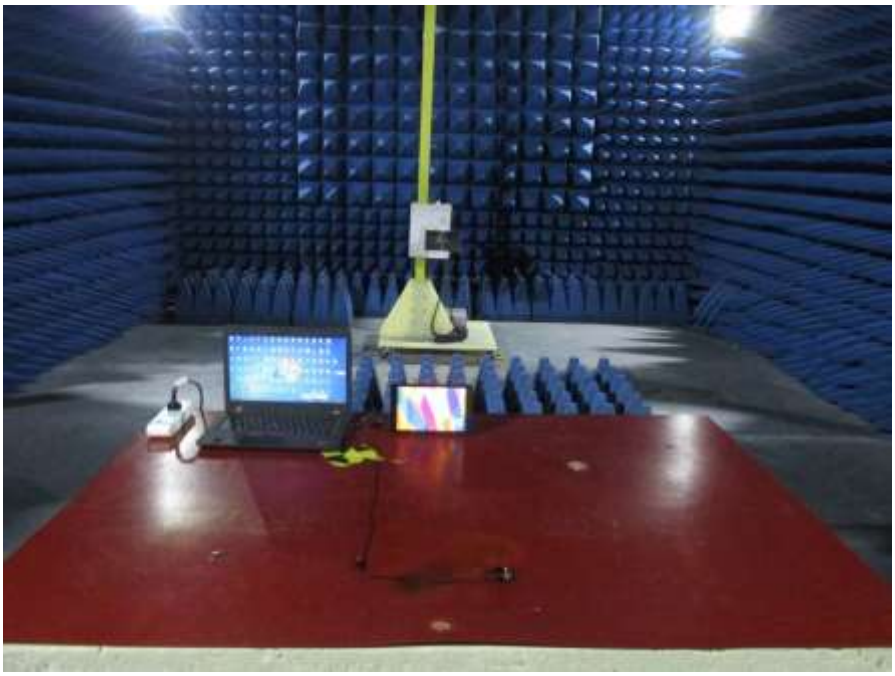
RADIATED EMISSION TEST



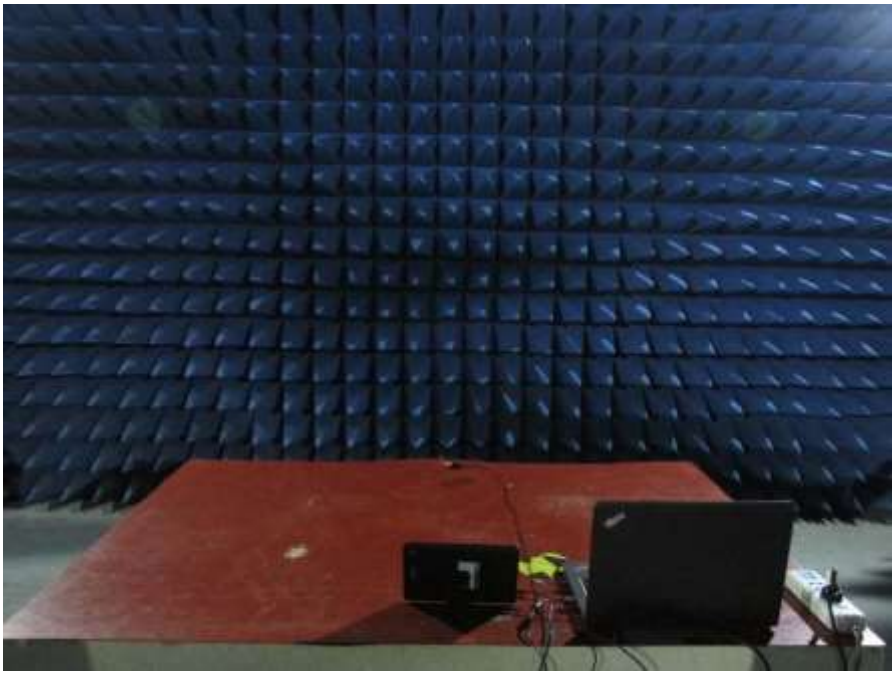
RADIATED EMISSION TEST



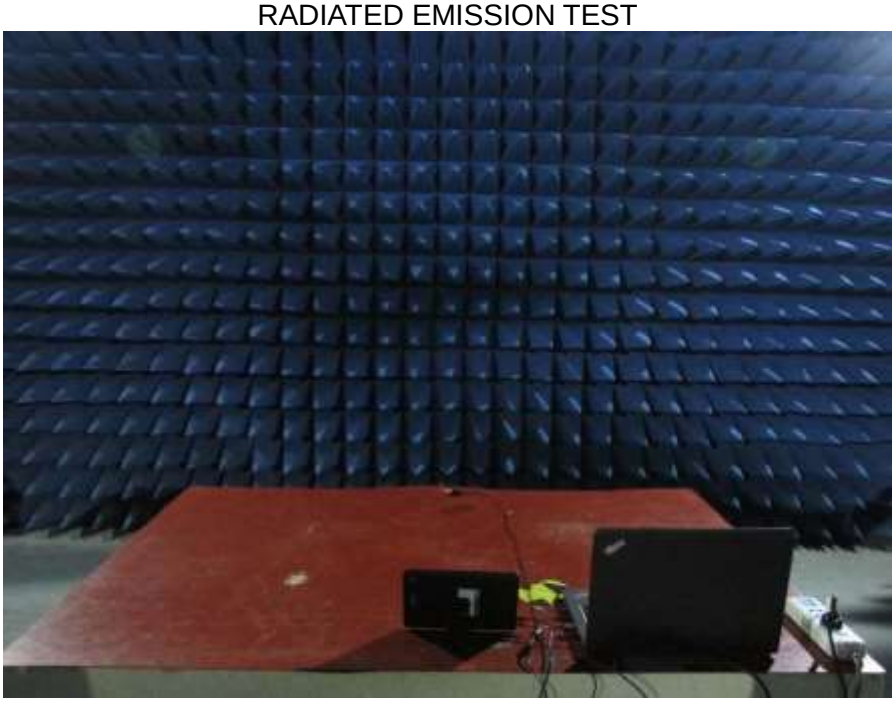
RADIATED EMISSION TEST



RADIATED EMISSION TEST



RADIATED EMISSION TEST



7. PHOTOGRAPHS OF EUT

Appearance photograph of EUT

Appearance photograph of EUT

Appearance photograph of EUT

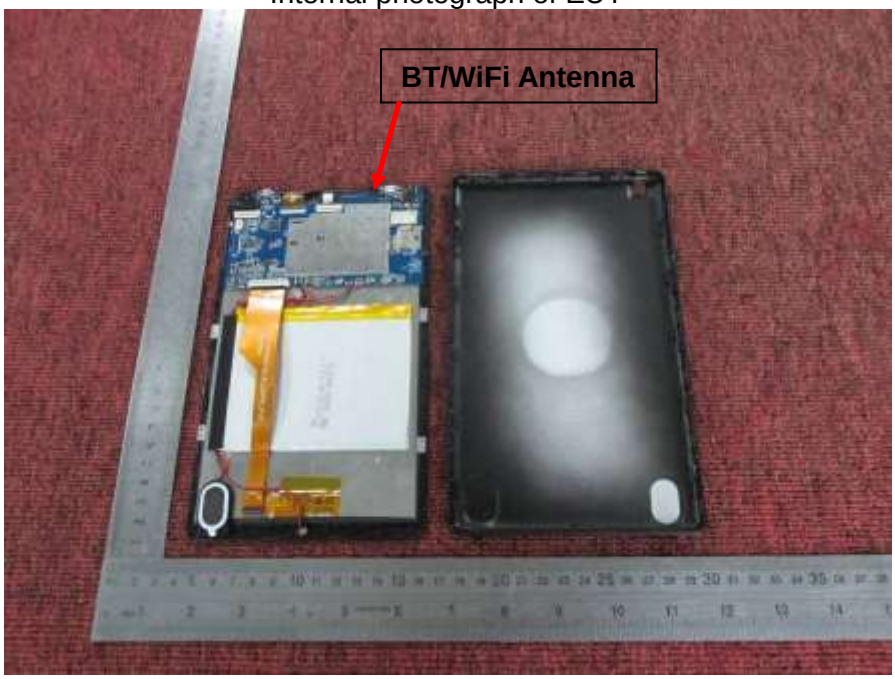
Appearance photograph of EUT

Appearance photograph of EUT

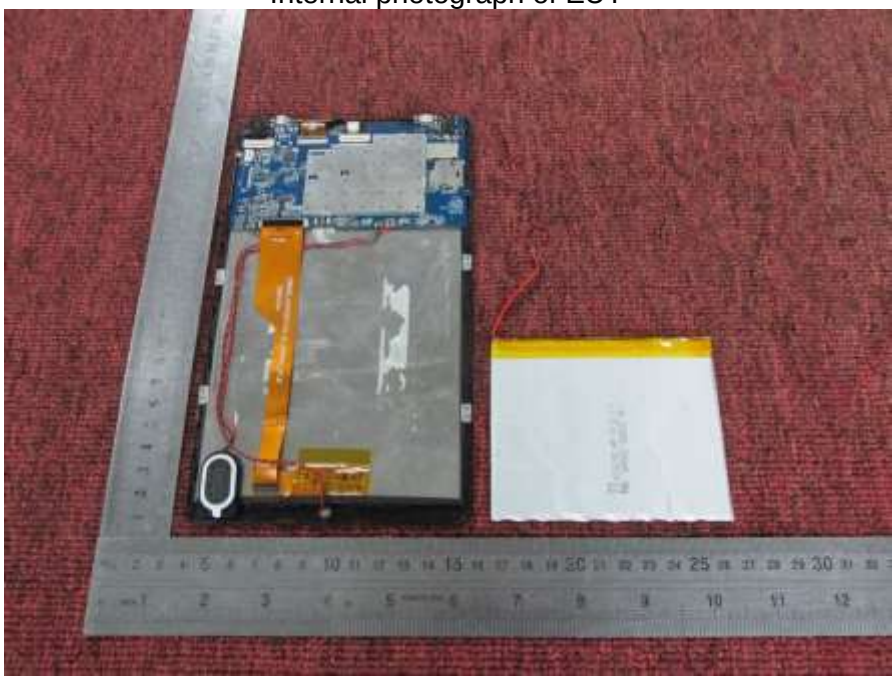
Appearance photograph of EUT

Appearance photograph of EUT

Internal photograph of EUT



Internal photograph of EUT

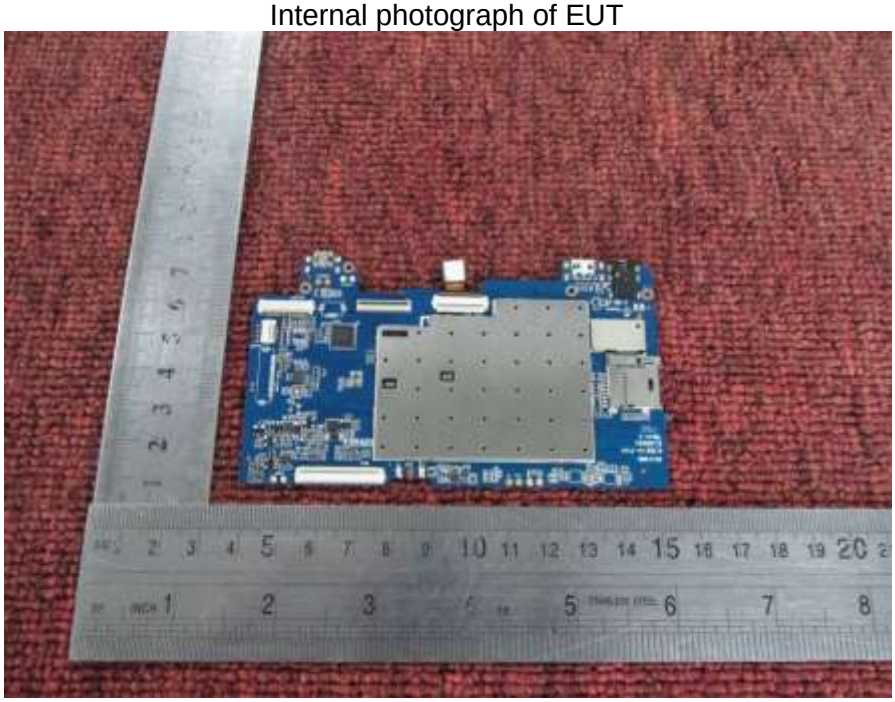


Internal photograph of EUT

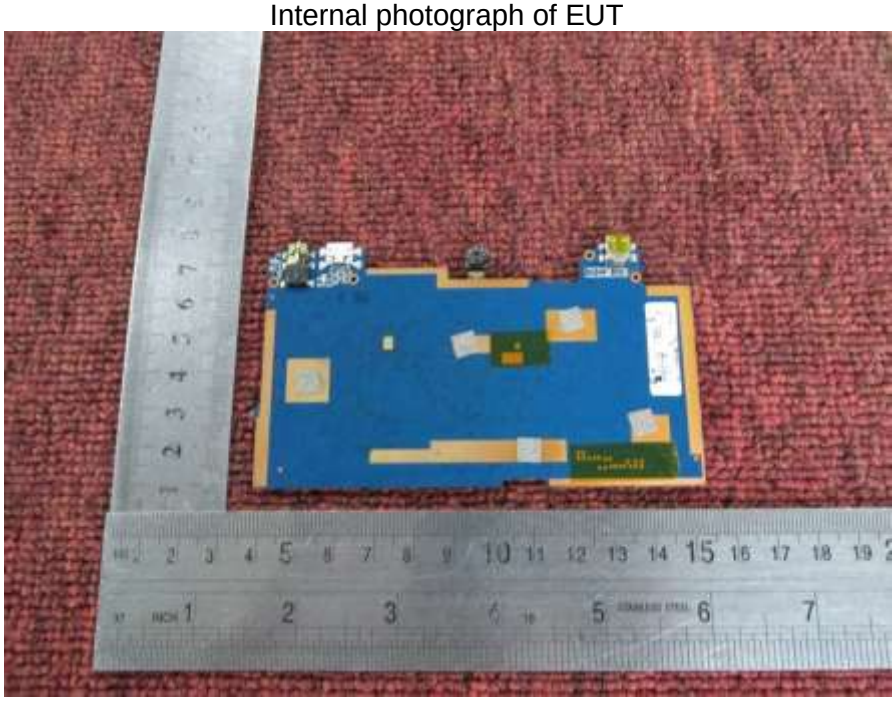
Internal photograph of EUT

Internal photograph of EUT

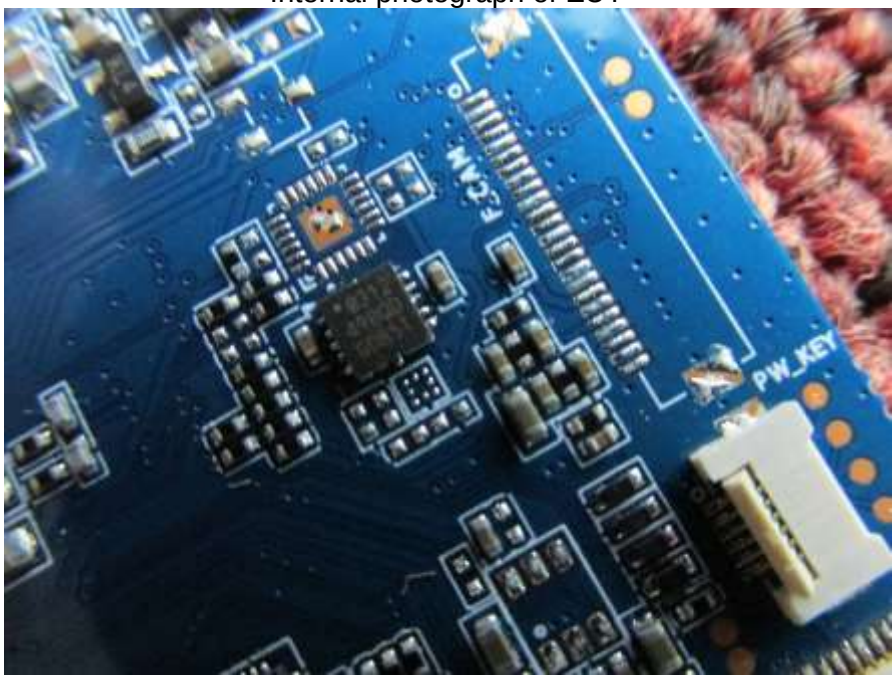
Internal photograph of EUT



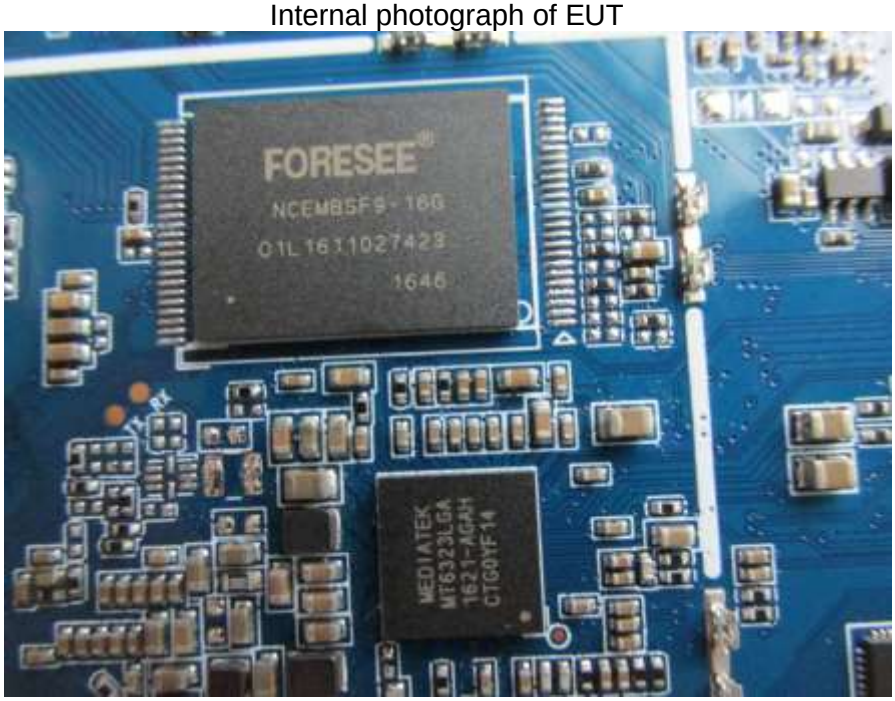
Internal photograph of EUT



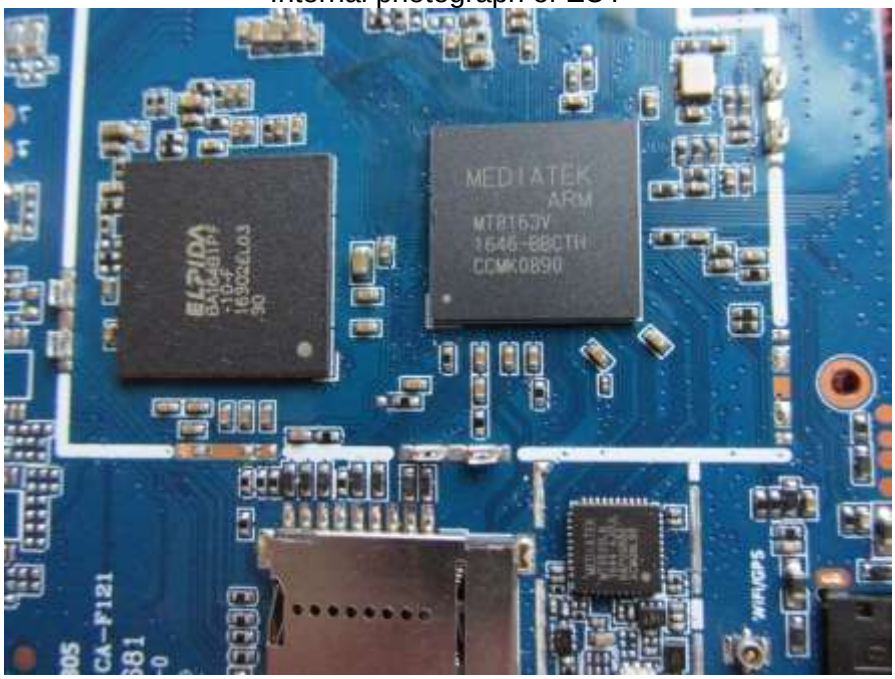
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



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