Test Report

Applicant:	Shenzhen Firstview Electronic Co., Ltd
Product Name:	7 inch tablet
Brand Name:	N/A
FCC ID Number:	FCC ID: YW5-M723A
Model No.:	M723A, TAB-P748IPS , TAB-P748B , TAB-P748T , TAB-P749, TAB-P749B
Date of Receipt :	Nov.03, 2016
Date of Test:	Nov.03-14, 2016
Date of Report:	Nov.15, 2016
Prepared by:	Most Compliance Laboratory Limited

The testing has been performed on the submitted samples and found in compliance with the council FCC Rules and Regulations Part 15 Subpart B

Most Technology Service Co., Limited
OFFICE 11, 10 GREAT RUSSELL STREET, LONDON WC1B 3BQ

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TEST REPORT FOR FCC COMPLIANCE DECLARATION

Report Number	MTE/CEC/S16112423	
Applicant	Shenzhen Firstview Electronic Co., Ltd	
	F3, Block B, Huafeng 1st Technology Zone, Baoan Main Road, Baoan District, Shenzhen, P.R.C	
Manufacturer	Shenzhen Firstview Electronic Co., Ltd	
	F3, Block B, Huafeng 1st Technology Zone, Baoan Main Road, Baoan District, Shenzhen, P.R.C	
Product	Product Name	7 inch tablet
	Model No.	M723A
	Power Supply	Input: AC 100-240V, 50/60Hz, 0.4A Output: DC 5V, 2.0A
Test Result	The EUT was found compliant with the requirement(s) of the standards.	
Standard	FCC Rules and Regulations Part 15 Subpart B Class B	

*Note

The above device has been tested by Most Technology Service Co., Limited To determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test record, data evaluation & Equipment Under Test (EUT) configurations represented are contained in this test report and Most Technology Service Co., Limited Is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced except in full, without written approval of Most Technology Service Co., Limited, this document may be altered or revised by Most Technology Service Co., Limited, personal only, and shall be noted in the revision of the document.

Prepared by	Chloe
	Chloe Cai
Reviewed by	John
	John Lin
Approved by	
	Yvette Zhou (Manager)

MOST TECHNOLOGY SERVICE CO., LTD. APPROVED EMC & SAFETY

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	7 inch tablet
Model Number	:	M723A, TAB-P748IPS , TAB-P748B , TAB-P748T , TAB-P749, TAB-P749B
Remark	:	Used M723A does all tests.

1.2. Operational Mode(s) of EUT

Order Number	:	Test Mode(s)
1	:	Camera+ Charging
2		Data transmission
3		SD Playing+ Charging
Remark: The Carmera +charging Record Mode is the worst mode in Conducted and Radiated tests. Testing with Coaxial terminal connecting ground is the worst condition.		

1.3. Test Voltage(s) of EUT

Order Number	:	Test Voltage(s)
1	:	DC 5V by Adapter
2		DC 3.7V by battery
		DC 5V by USB Port

2. LABORATORY INFORMATION

2.1. Laboratory Name

2.2. Most Technology Service Co., Limited

2.3. Location

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China

2.4. Test facility

3m Anechoic Chamber	:	Nov. 28, 2012 File on Federal Communication Commission Registration Number:490827
Shielding Room	:	Nov. 28, 2012 File on Federal Communication Commission Registration Number:490827
EMC Lab.	:	Accredited by TUV Rheinland Shenzhen Audit Report: UA 50149851 Mar. 12, 2009 Accredited by Industry Canada Registration Number: 7103A-1 Oct. 22, 2012 Accredited by TIMCO Registration Number: Q1460 March 28, 2010

2.5. Measurement Uncertainty

No.	Item	Uncertainty
1.	Uncertainty for Conducted Disturbance Test	1.25dB
2.	Uncertainty for Radiated Disturbance Test	3.15dB

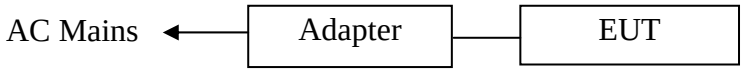
3. SUMMARY OF TEST RESULTS

EMISSION			
Test Item	**Standard**	**Limits**	**Results**
Conducted disturbance at mains terminals	FCC Subpart 15 B Section 15.107	Class B	PASS
Radiated disturbance	FCC Subpart 15 B Section 15.109	Class B	PASS
N/A is an abbreviation for Not Applicable.			

4. BLOCK DIAGRAM OF TEST SETUP

The equipments are installed test to meet ANSI C63.4:2009 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. EUT was tested in normal configuration (Please See following Block diagrams)

4.1. Block Diagram of connection between EUT and simulation-EMI



(EUT: 7 inch tablet)

5. TEST INSTRUMENT USED

5.1. For Conducted Disturbance at Mains Terminals Emission Test

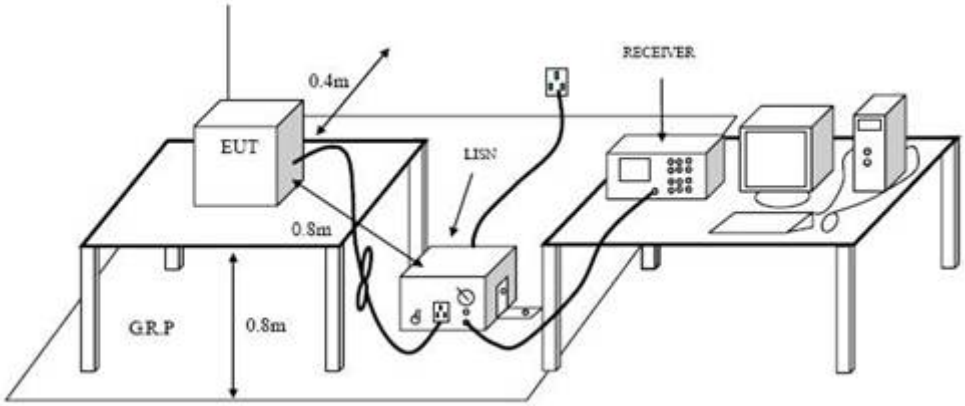
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCI	100492	Mar. 10, 16	1 Year
2.	L.I.S.N.	Rohde & Schwarz	ENV216	100093	Mar. 10, 16	1 Year
3.	Coaxial Switch	Anritsu Corp	MP59B	6200283933	Mar. 07, 16	1 Year
4.	Terminator	Hubersuhner	50Ω	No.1	Mar. 07, 16	1 Year
5.	RF Cable	SchwarzBeck	N/A	No.1	Mar. 07, 16	1 Year

5.2. For Radiation Test (In Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESPI	101202	Mar. 10, 16	1 Year
2.	Bilog Antenna	Sunol	JB3	A121206	Mar. 14, 16	1 Year
3.	Cable	Resenberger	N/A	NO.1	Mar. 07, 16	1 Year
4.	Cable	SchwarzBeck	N/A	NO.2	Mar. 07, 16	1 Year
5.	Cable	SchwarzBeck	N/A	NO.3	Mar. 07, 16	1 Year
6.	DC Power Filter	DuoJi	DL2×30B	N/A	N/A	N/A
7.	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	N/A	N/A
8.	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	N/A	N/A

6. CONDUCTED DISTURBANCE AT MAINS TERMINALS TEST

6.1. Configuration of Test System



6.2. Test Standard

FCC Subpart 15 B Section 15.107

6.3. Power Line Conducted Disturbance at Mains Terminals Limit

Frequency (MHz)	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

6.4. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4:2009 on conducted Disturbance test.

The bandwidth of test receiver is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 6.5.

6.5. Conducted Disturbance at Mains Terminals Test Results

6.5.1. Test Results: **PASS**

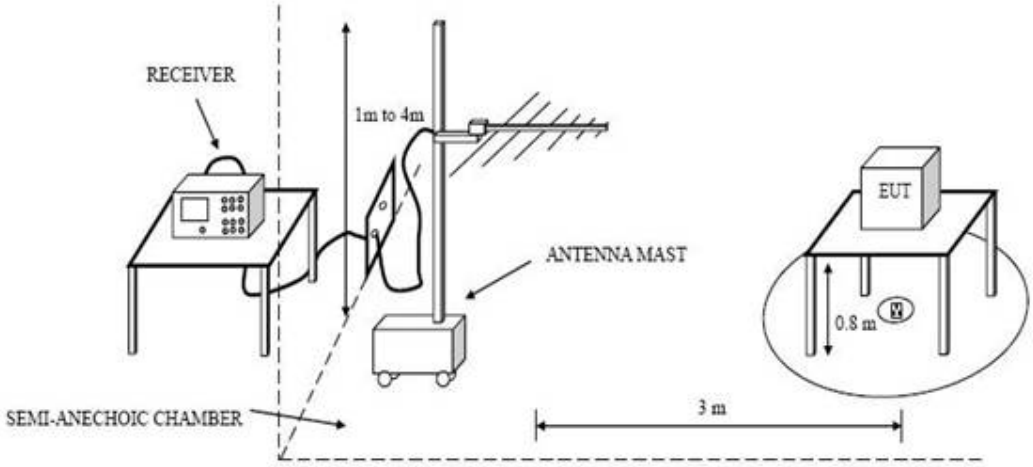
6.5.2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

6.5.3. Emission Level= Correct Factor + Reading Level.

6.5.4. The test data and the scanning waveform are attached within Appendix I.

7. RADIATED DISTURBANCE TEST

7.1. Configuration of Test System



7.2. Test Standard

FCC Subpart 15 B Section 15.109

7.3. Radiated Disturbance Limit

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dBμV/m)
30 ~ 88	3	40.0
88~216	3	43.5
216~960	3	46.0
960 ~ 1000	3	54.0

Note: 1. Emission level (dB)μV = 20 log Emission level μV/m
2.The lower limit shall apply at the transition frequencies.
3. Distance refers to the distance in meters between the test antenna and the closed point of any part of the EUT.

7.4. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4:2009 on Radiated Disturbance test.

The bandwidth setting on the test receiver is 120 kHz.

The frequency range from 30MHz to 1000MHz is checked. The test result are reported

on Section 7.5.

7.5. Radiated Disturbance Test Results

7.5.1. Test Results: **PASS**

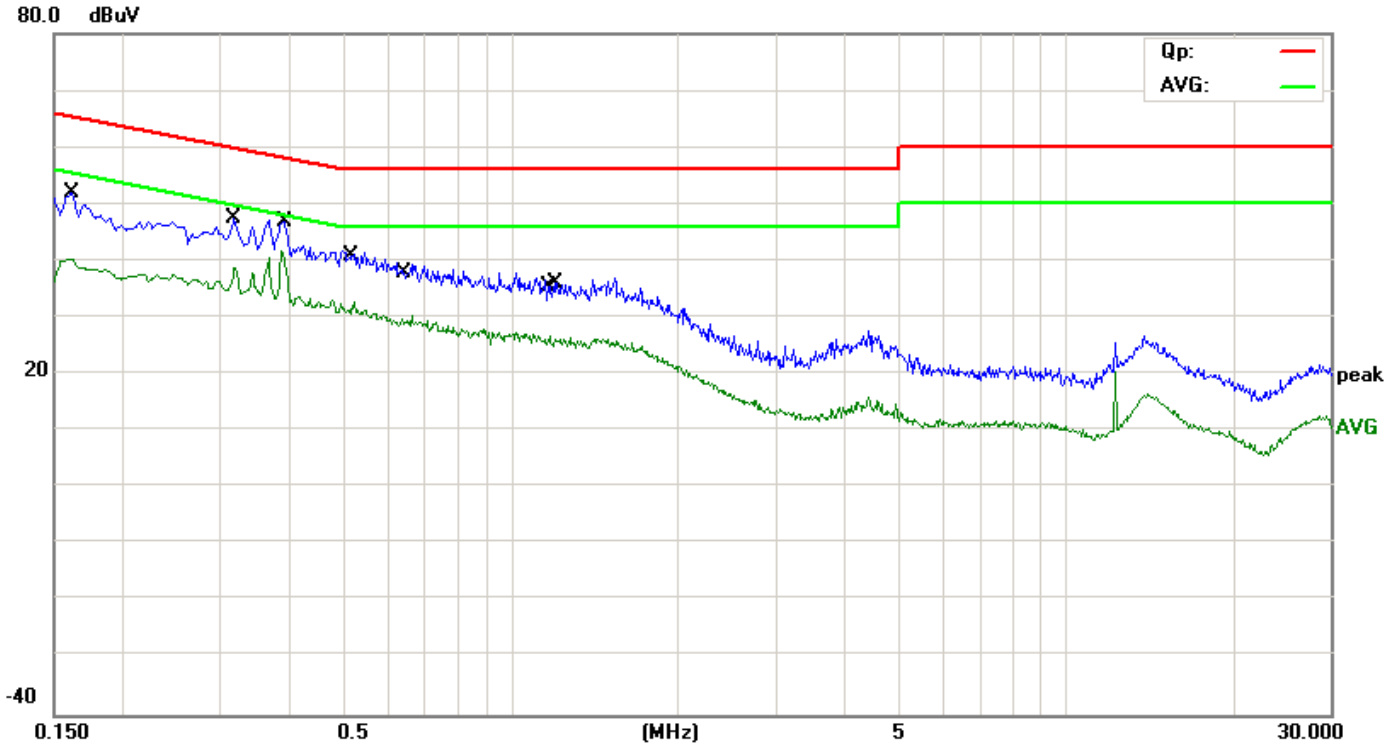
7.5.2. Emission Level= Correct Factor + Reading Level.

7.5.3. All reading are Quasi-Peak values.

7.5.4. The test data and the scanning waveform are attached within Appendix II.

APPENDIX I

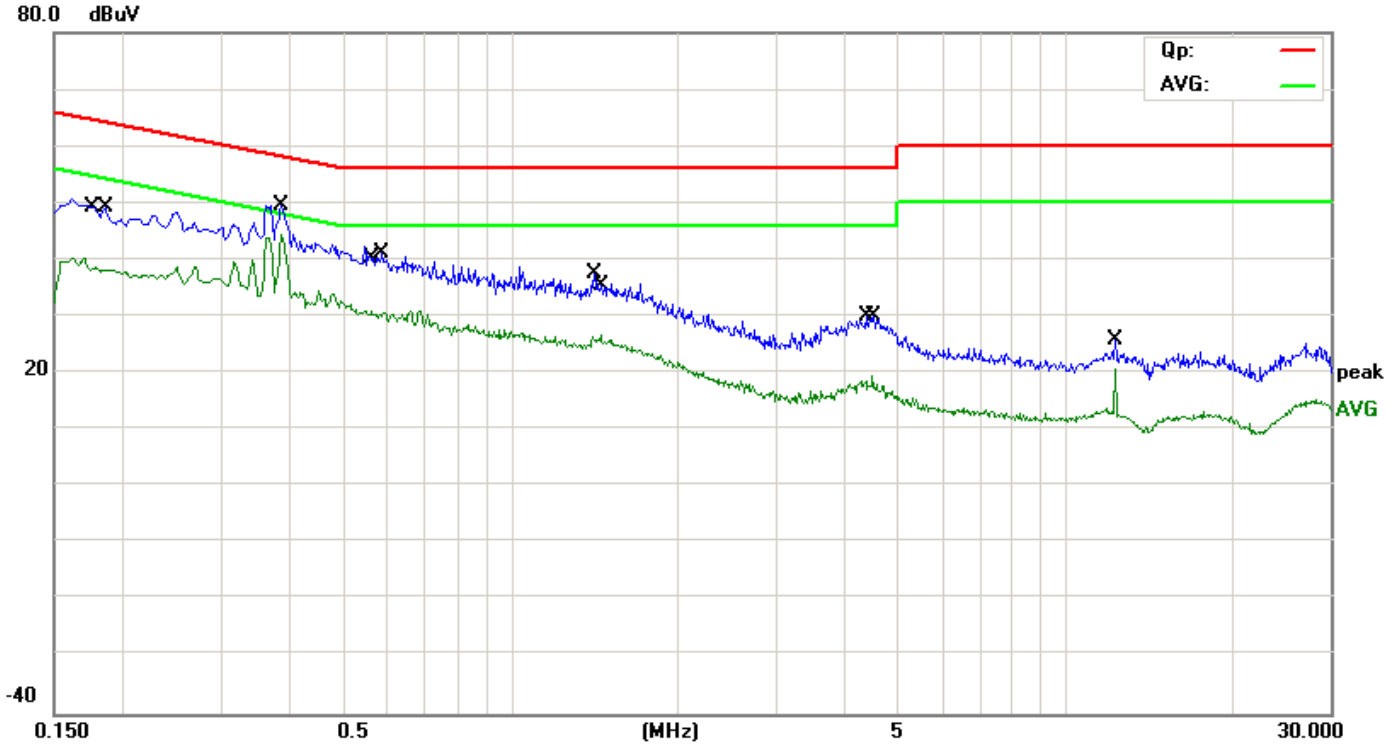
EUT:	**7 inch tablet**	**M/N:**	**M723A**
Mode:	**Carmera+Charging**	**Phase:**	**L1**
Test by:	**Lby**	**Power:**	**DC 5V by Adapter**
Temperature: / Humidity	**24.5℃/ 53%**	**Test date:**	**2016-11-10**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1607	42.21	9.61	51.82	65.43	-13.61	QP	
2		0.1607	30.63	9.61	40.24	55.43	-15.19	AVG	
3		0.3180	37.82	9.59	47.41	59.76	-12.35	QP	
4		0.3180	29.26	9.59	38.85	49.76	-10.91	AVG	
5		0.3860	37.05	9.59	46.64	58.15	-11.51	QP	
6	*	0.3860	32.18	9.59	41.77	48.15	-6.38	AVG	
7		0.5100	30.74	9.59	40.33	56.00	-15.67	QP	
8		0.5100	21.68	9.59	31.27	46.00	-14.73	AVG	
9		0.6460	27.41	9.59	37.00	56.00	-19.00	QP	
10		0.6460	19.51	9.59	29.10	46.00	-16.90	AVG	
11		1.1660	16.28	9.60	25.88	46.00	-20.12	AVG	
12		1.1820	24.98	9.60	34.58	56.00	-21.42	QP	

*:Maximum data x:Over limit I:over margin

EUT:	**7 inch tablet**	**M/N:**	**M723A**
Mode:	**Carmera+Charging**	**Phase:**	**N**
Test by:	**Lby**	**Power:**	**DC 5V by Adapter**
Temperature: / Humidity	**23.4℃/ 52.7%**	**Test date:**	**2016-11-10**

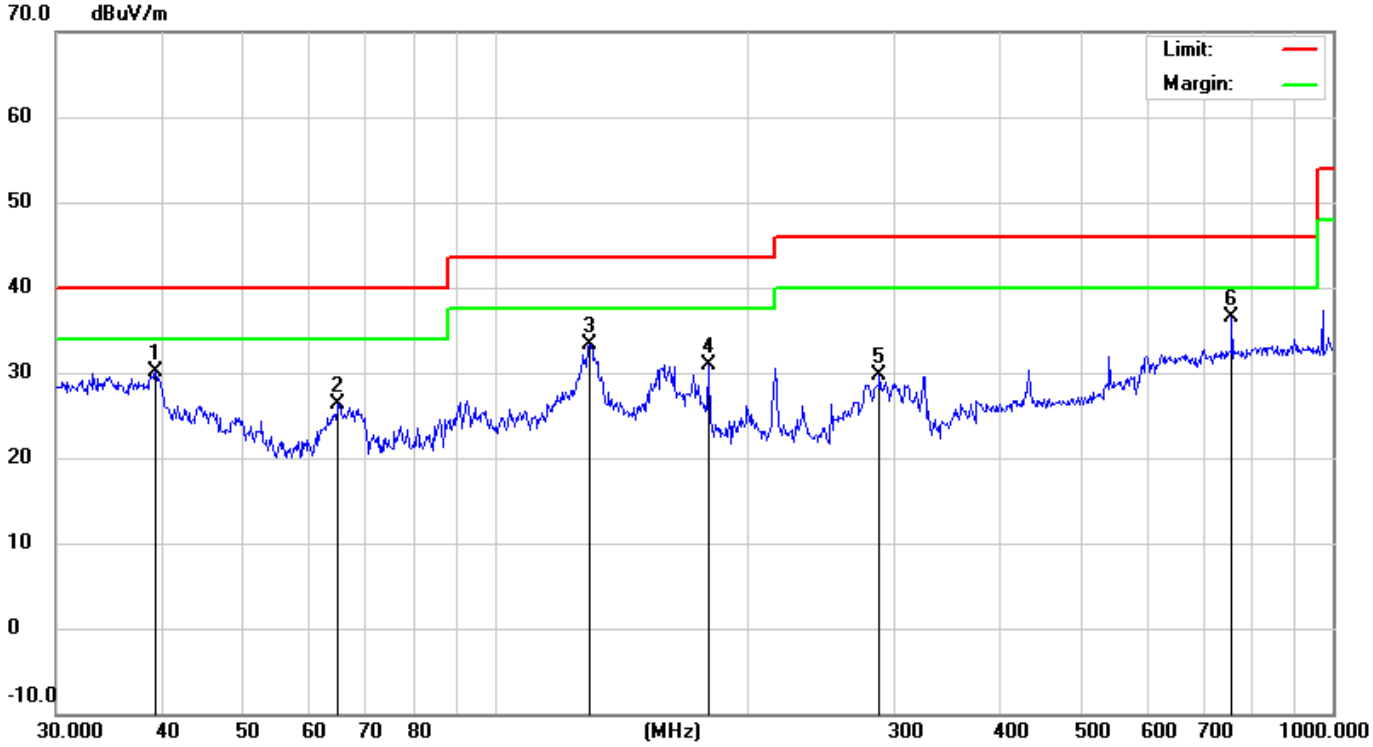


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.3860	34.99	9.59	44.58	48.15	-3.57	AVG	
2		0.3860	39.94	9.59	49.53	58.15	-8.62	QP	
3		0.1860	39.71	9.60	49.31	64.21	-14.90	QP	
4		0.1785	28.93	9.61	38.54	54.56	-16.02	AVG	
5		4.4820	9.85	9.62	19.47	46.00	-26.53	AVG	
6		4.3820	20.41	9.62	30.03	56.00	-25.97	QP	
7		12.2860	16.11	9.69	25.80	60.00	-34.20	QP	
8		12.2860	11.11	9.69	20.80	50.00	-29.20	AVG	
9		1.4500	17.01	9.60	26.61	46.00	-19.39	AVG	
10		1.4180	27.85	9.60	37.45	56.00	-18.55	QP	
11		0.5620	21.50	9.59	31.09	46.00	-14.91	AVG	
12		0.5860	31.63	9.59	41.22	56.00	-14.78	QP	

*:Maximum data x:Over limit I:over margin

APPENDIX II

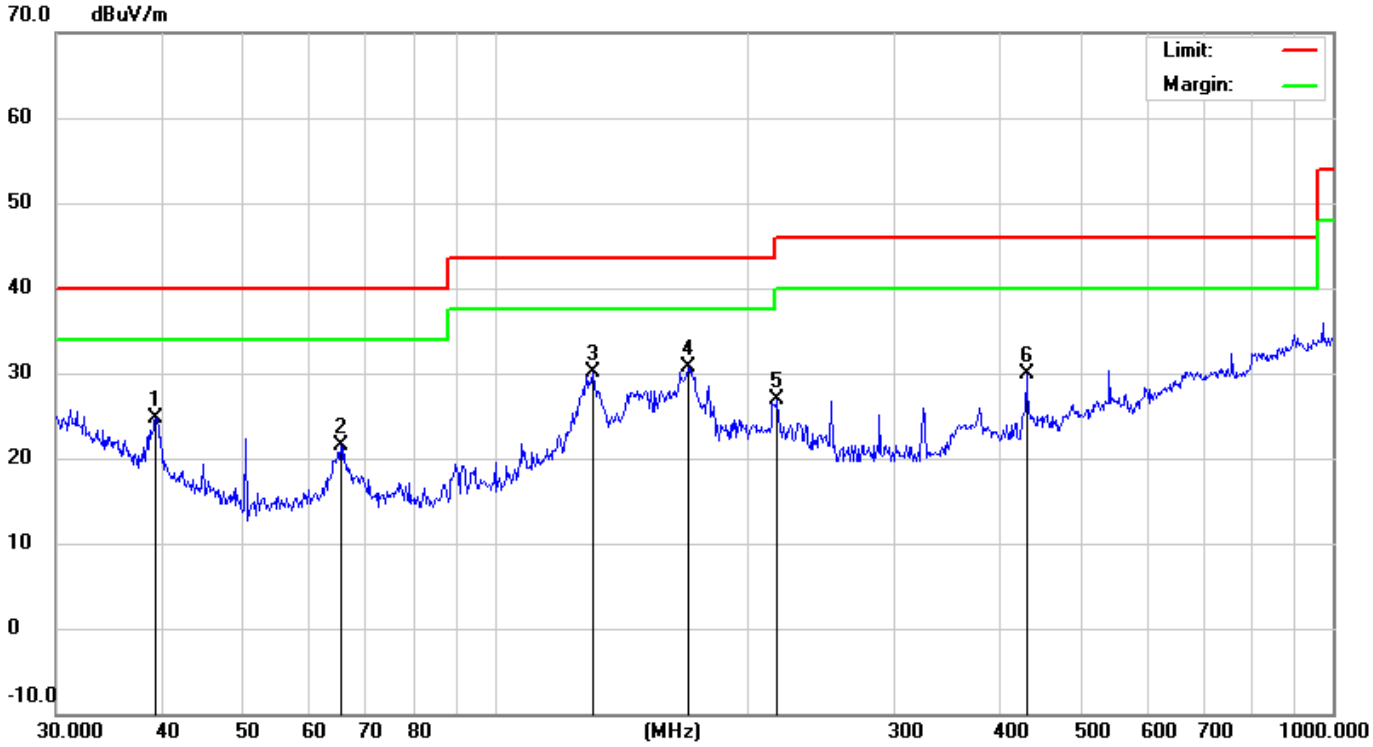
EUT:	7 inch tablet	M/N:	M723A
Mode:	Carmera+Charging	Polarization:	Vertical
Test by:	hzy	Power:	DC 5V by USB Port
Temperature: / Humidity	20.7℃/ 50.5%	Test date:	2016-11-10



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		39.4371	13.79	16.41	30.20	40.00	-9.80	QP			
2		65.1144	15.13	11.26	26.39	40.00	-13.61	QP			
3		129.9225	15.55	17.70	33.25	43.50	-10.25	QP			
4		180.0164	14.30	16.70	31.00	43.50	-12.50	QP			
5		287.9904	10.33	19.40	29.73	46.00	-16.27	QP			
6	*	758.0407	10.89	25.64	36.53	46.00	-9.47	QP			

*:Maximum data x:Over limit !:over margin

EUT:	7 inch tablet	M/N:	M723A
Mode:	Carmera+charging	Polarization:	Horizontal
Test by:	hzy	Power:	DC 5V by USB Port
Temperature: / Humidity	20.7℃/ 50.5%	Test date:	2016-11-10



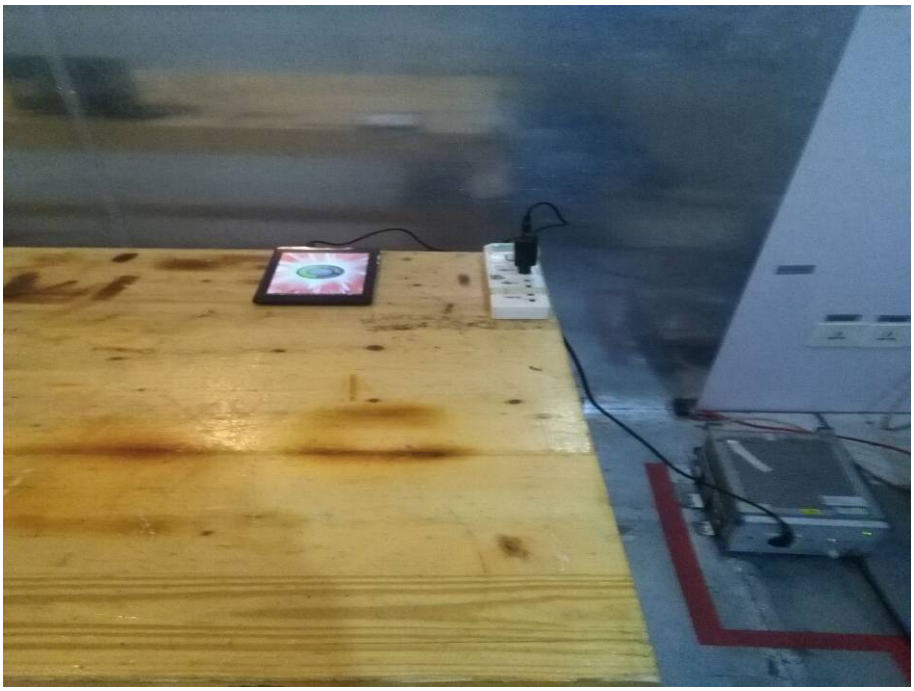
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		39.4371	9.06	15.68	24.74	40.00	-15.26	QP			
2		65.5726	10.18	11.30	21.48	40.00	-18.52	QP			
3		130.8369	12.43	17.66	30.09	43.50	-13.41	QP			
4	*	170.1947	13.45	17.19	30.64	43.50	-12.86	QP			
5		217.5443	10.76	16.20	26.96	46.00	-19.04	QP			
6		431.0314	9.59	20.30	29.89	46.00	-16.11	QP			

*:Maximum data x:Over limit !:over margin

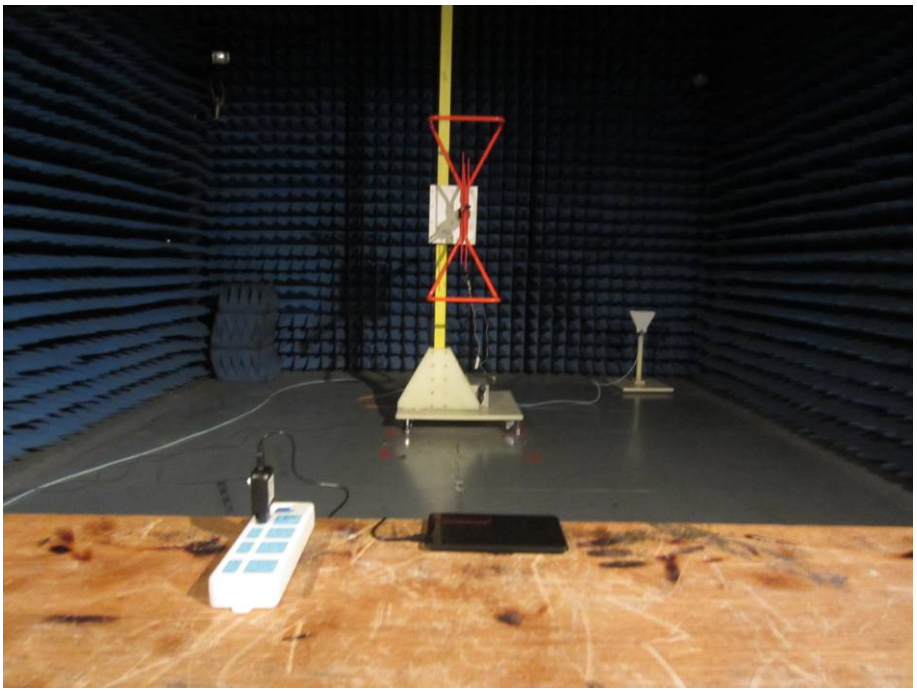
APPENDIX III

(Test Photos)

Conducted Test Setup Photograph



Radiated Test Setup Photograph



APPENDIX IV
(Photos of the EUT)

Figure 1
General Appearance of the EUT

Figure 2
General Appearance of the EUT

Figure 3
Label of Adapter

Figure 4
Inside of the EUT

Figure 5
Inside of the EUT

Figure 6
Components Side of the PCB

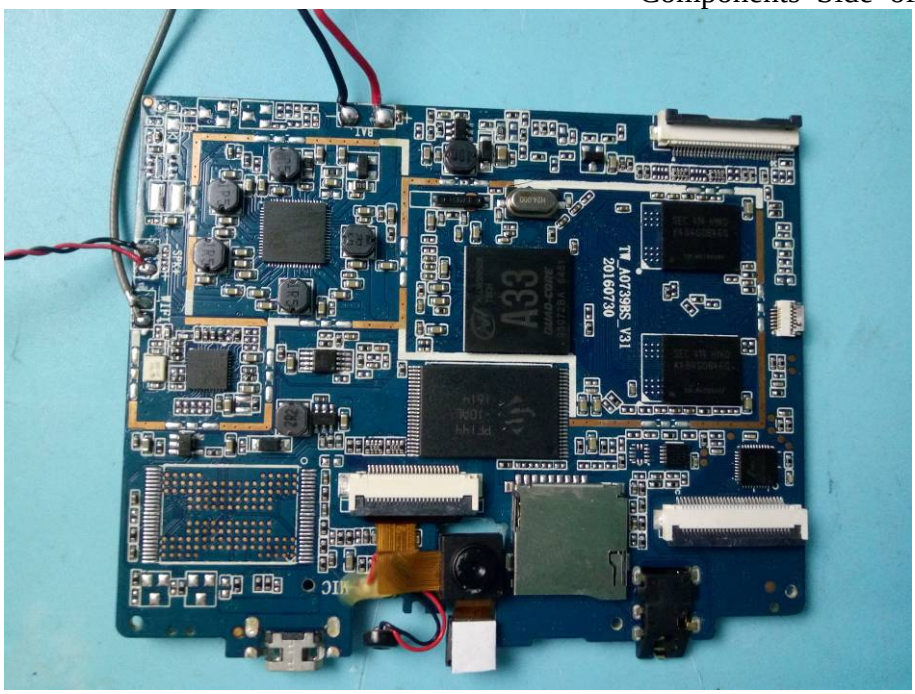


Figure 7
Components Side of the PCB

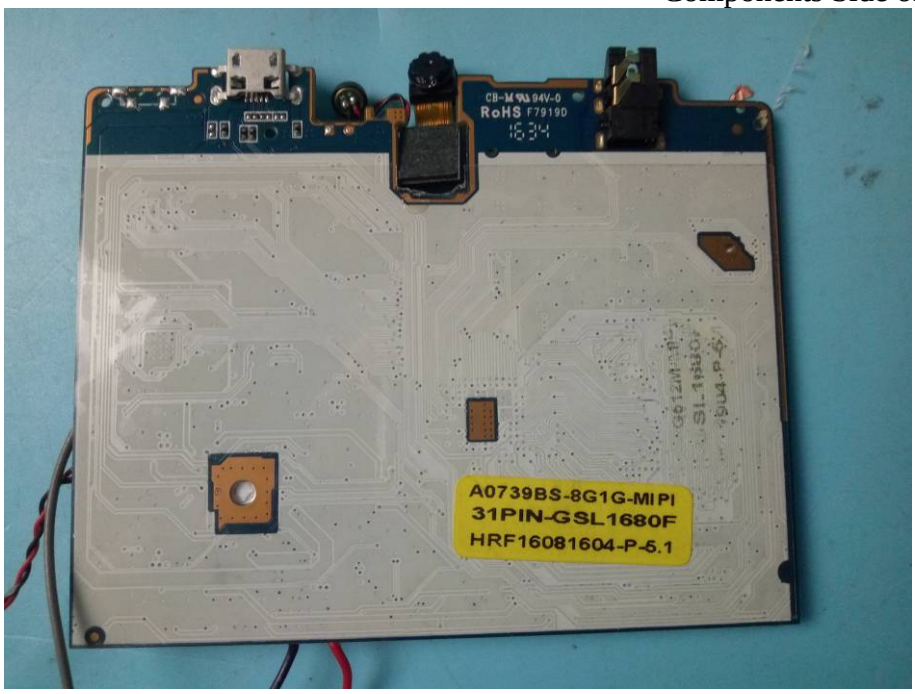


Figure 8
Battery

Figure 9
Inside of the EUT