EMC TEST REPORT

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Report No.: 15071087-FCC-E

Supersede Report No.:N/A

Applicant	Hunan ZTE ICT Technologies Co.,Ltd.
Product Name	MID
Model No.	E10Q
Serial No.	E10G,E10H,E10K,E10P,E10T,E10S,E10Z
Test Standard	FCC Part 15 Subpart B Class B:2014, ANSI C63.4: 2014
Test Date	November 24 to December 01, 2015
Issue Date	December 17, 2015
Test Result	☑ Pass ☐ Fail
Equipment complied with the specification	☑
Equipment did not comply with the specification	☐

Winnie Zhang	David Huang	
Winnie Zhang Test Engineer	David Huang Checked By	

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park

South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn

Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.

In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC, RF/Wireless, SAR, Telecom
Canada	EMC, RF/Wireless, SAR, Telecom
Taiwan	EMC, RF, Telecom, SAR, Safety
Hong Kong	RF/Wireless, SAR, Telecom
Australia	EMC, RF, Telecom, SAR, Safety
Korea	EMI, EMS, RF, SAR, Telecom, Safety
Japan	EMI, RF/Wireless, SAR, Telecom
Singapore	EMC, RF, SAR, Telecom
Europe	EMC, RF, SAR, Telecom, Safety

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1. Report Revision History

Report No.	Report Version	Description	Issue Date
15071087-FCC-E	NONE	Original	December 01, 2015
15071087-FCC-E	V1	Adding HDMI mode and change test photos	December 15, 2015
15071087-FCC-E	V2	Update FCC ID	December 17, 2015

2. Customer information

Applicant Name	Hunan ZTE ICT Technologies Co.,Ltd.
Applicant Add	5F, ZTE ICT R&D Building, No.48 Cailun Rd. , High-Tech Development Zone, Hengyang, China
Manufacturer	Hunan ZTE ICT Technologies Co.,Ltd.
Manufacturer Add	5F, ZTE ICT R&D Building, No.48 Cailun Rd. , High-Tech Development Zone, Hengyang, China

3. Test site information

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES
Lab Address	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108
FCC Test Site No.	718246
IC Test Site No.	4842E-1
Test Software	Radiated Emission Program-To Shenzhen v2.0

4. Equipment under Test (EUT) Information

Description of EUT:	MID
Main Model:	E10Q
Serial Model:	E10G,E10H,E10K,E10P,E10T,E10S,E10Z
Antenna Gain:	GSM850: -0.7 dBi PCS1900: -0.8 dBi UMTS-FDD Band V: -0.7 dBi UMTS-FDD Band II: -0.8 dBi Bluetooth/BLE: 1 dBi WIFI: 1 dBi GPS: 0 dBi
Input Power:	Adapter: Model: SC/10WA050200US Input: AC 100-240V; 50/60Hz;0.5A Output: DC 5.0V,2.0A Battery: Spec:3.7V,7000mAh
Equipment Category：	JBC
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK, 16QAM 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, π /4DQPSK, 8DPSK BLE: GFSK GPS:BPSK
RF Operating Frequency (ies):	GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz; RX: 1932.4 ~ 1987.6 MHz

	WIFI:802.11b/g/n(20M): 2412-2462 MHz WIFI:802.11n(40M): 2422-2452 MHz Bluetooth& BLE: 2402-2480 MHz GPS RX:1575.42 MHz
Number of Channels:	GSM 850: 124CH PCS1900: 299CH UMTS-FDD Band V : 102CH UMTS-FDD Band II : 277CH WIFI :802.11b/g/n(20M): 11CH WIFI :802.11n(40M): 7CH Bluetooth: 79CH BLE: 40CH GPS:1CH
Port:	Power Port, Earphone Port, USB Port, HDMI Port
Trade Name :	ZTE
FCC ID:	2ACYS-E10Q
Date EUT received:	November 23, 2015
Test Date(s):	November 24 to December 01, 2015

5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result
§15.107; ANSI C63.4: 2014	AC Power Line Conducted Emissions	Compliance
§15.109; ANSI C63.4: 2014	Radiated Emissions	Compliance

Measurement Uncertainty

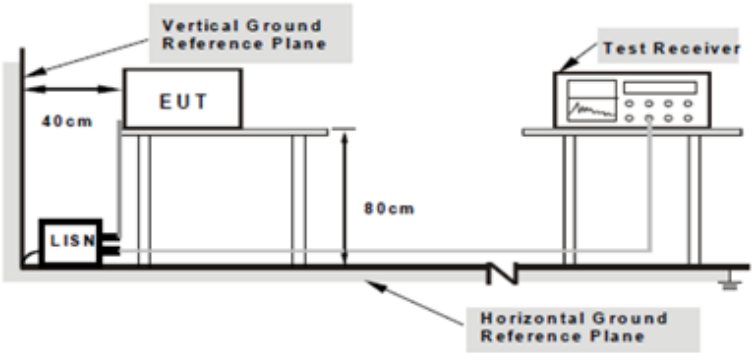
Emissions		
Test Item	**Description**	**Uncertainty**
Band Edge and Radiated Spurious Emissions	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB
-	-	-

6. Measurements, Examination And Derived Results

6.1 AC Power Line Conducted Emissions

Temperature	25℃
Relative Humidity	52%
Atmospheric Pressure	1028mbar
Test date :	November 28, 2015
Tested By :	Winnie Zhang

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§15.107</td><td>a)</td><td>For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu] H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges.
<table>
<tr><th rowspan="2">Frequency ranges (MHz)</th><th colspan="2">Limit (dBμV)</th></tr>
<tr><th>QP</th><th>Average</th></tr>
<tr><td>0.15 ~ 0.5</td><td>66 – 56</td><td>56 – 46</td></tr>
<tr><td>0.5 ~ 5</td><td>56</td><td>46</td></tr>
<tr><td>5 ~ 30</td><td>60</td><td>50</td></tr>
</table>
</td><td>☑</td></tr>
<tr><td>Test Setup</td><td colspan="3"> 

Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.</td></tr>
<tr><td>Procedure</td><td colspan="3">1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.
2. The power supply for the EUT was fed through a 50Ω /50mH EUT LISN, connected to filtered mains.</td></tr>
</table>

	3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable. 4. All other supporting equipment were powered separately from another main supply. 5. The EUT was switched on and allowed to warm up to its normal operating condition. 6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver. 7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz. 8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).
Remark	
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Mode 1 :	**USB Mode**

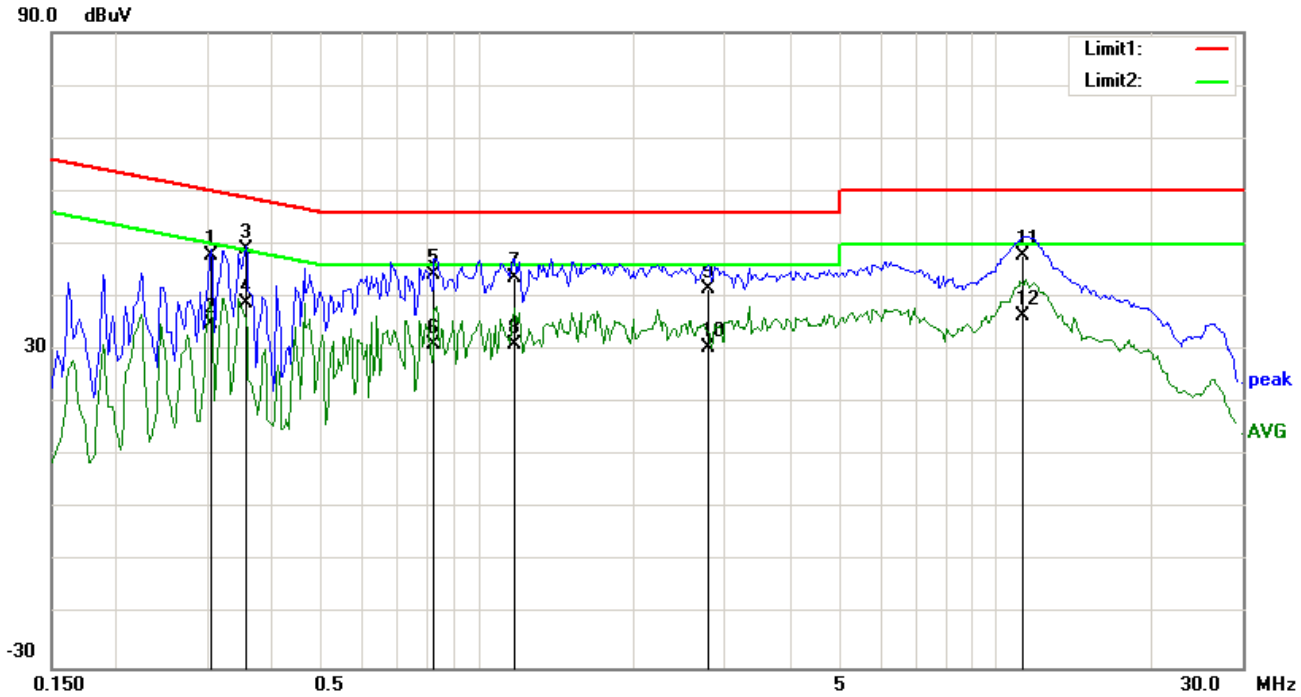
Test Mode 2 :	**HDMI Mode**

Test Mode 3 :	**Camera Mode**

Test Mode 4 :	**TF-Card Mode**

Note: The EUT was tested under the four modes of USB, HDMI ,Camera and TF-Card , but we only show the worst case: HDMI mode and USB mode.

Test Mode 1 :	USB Mode

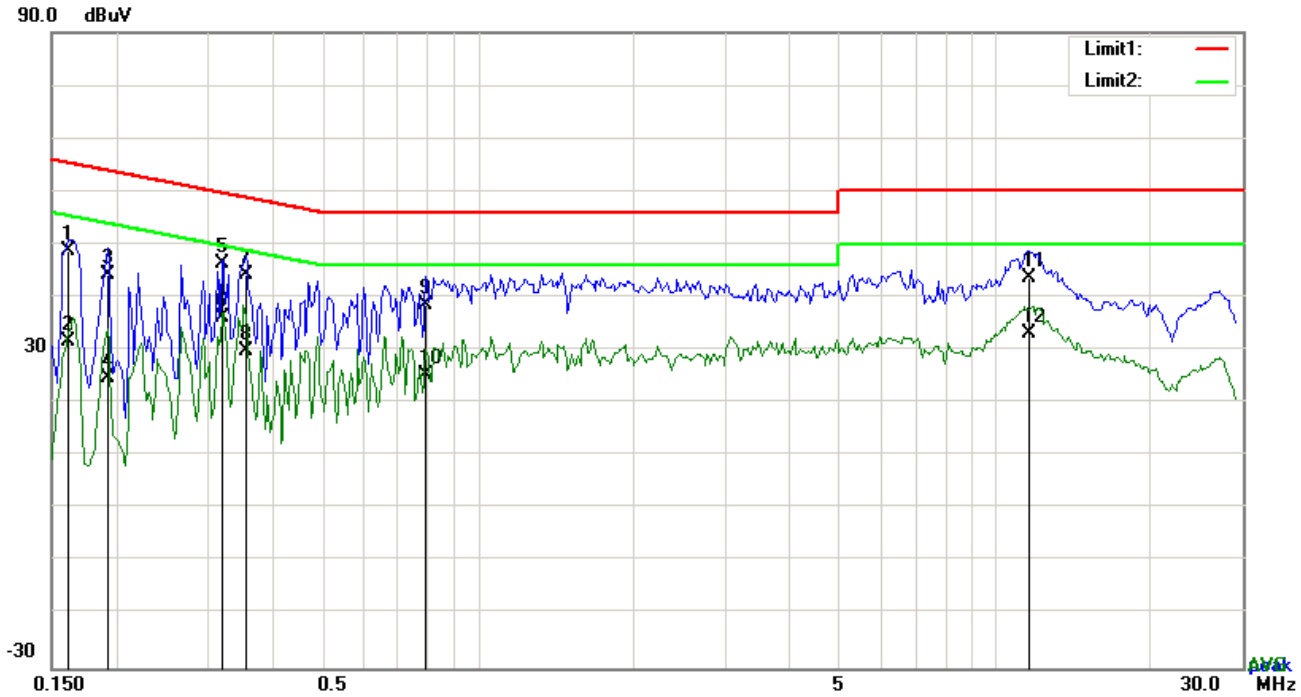


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.3060	37.86	QP	10.03	47.89	60.08	-12.19
2	L1	0.3060	24.85	AVG	10.03	34.88	50.08	-15.20
3	L1	0.3567	39.13	QP	10.03	49.16	58.80	-9.64
4	L1	0.3567	28.92	AVG	10.03	38.95	48.80	-9.85
5	L1	0.8247	34.24	QP	10.03	44.27	56.00	-11.73
6	L1	0.8247	21.06	AVG	10.03	31.09	46.00	-14.91
7	L1	1.1835	33.69	QP	10.03	43.72	56.00	-12.28
8	L1	1.1835	21.00	AVG	10.03	31.03	46.00	-14.97
9	L1	2.7903	31.52	QP	10.05	41.57	56.00	-14.43
10	L1	2.7903	20.29	AVG	10.05	30.34	46.00	-15.66
11	L1	11.2875	37.57	QP	10.17	47.74	60.00	-12.26
12	L1	11.2875	26.38	AVG	10.17	36.55	50.00	-13.45

Test Mode 1 :	USB Mode

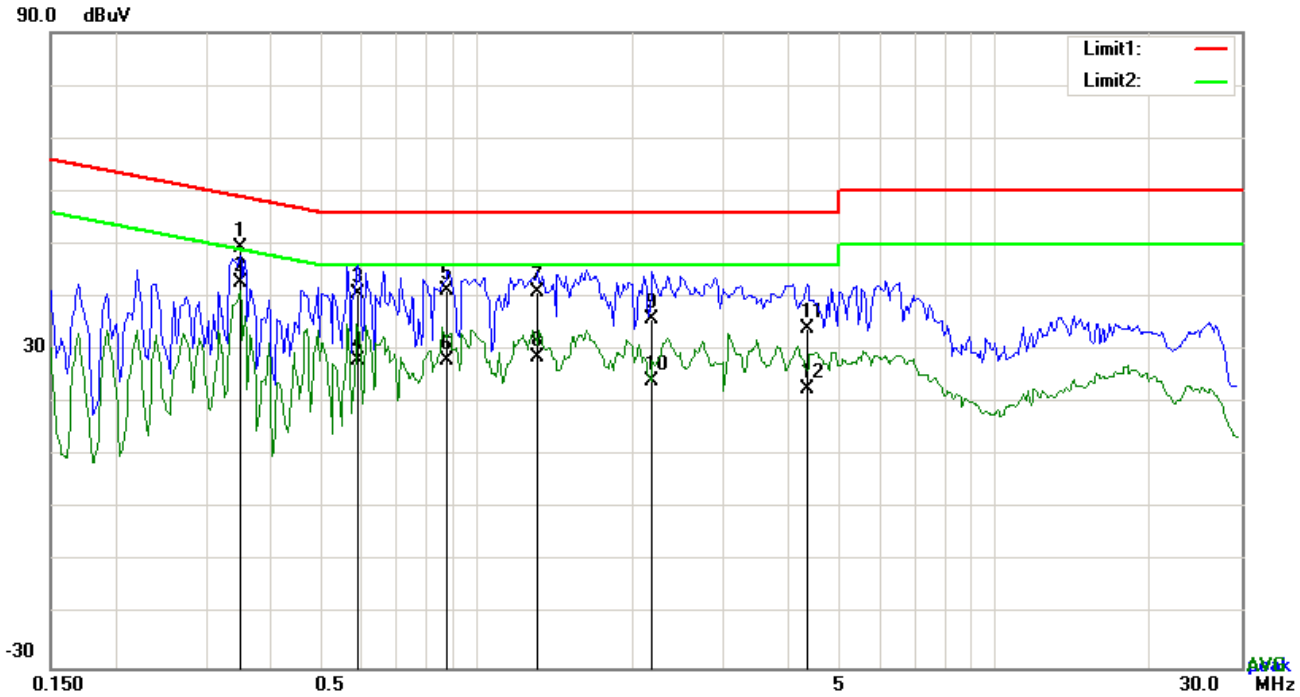


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.1617	38.81	QP	10.02	48.83	65.38	-16.55
2	N	0.1617	21.78	AVG	10.02	31.80	55.38	-23.58
3	N	0.1929	34.24	QP	10.02	44.26	63.91	-19.65
4	N	0.1929	14.67	AVG	10.02	24.69	53.91	-29.22
5	N	0.3216	36.29	QP	10.02	46.31	59.67	-13.36
6	N	0.3216	26.22	AVG	10.02	36.24	49.67	-13.43
7	N	0.3567	34.36	QP	10.02	44.38	58.80	-14.42
8	N	0.3567	19.94	AVG	10.02	29.96	48.80	-18.84
9	N	0.7935	28.40	QP	10.03	38.43	56.00	-17.57
10	N	0.7935	15.42	AVG	10.03	25.45	46.00	-20.55
11	N	11.5800	33.44	QP	10.16	43.60	60.00	-16.40
12	N	11.5800	23.11	AVG	10.16	33.27	50.00	-16.73

Test Mode 1:	USB Mode

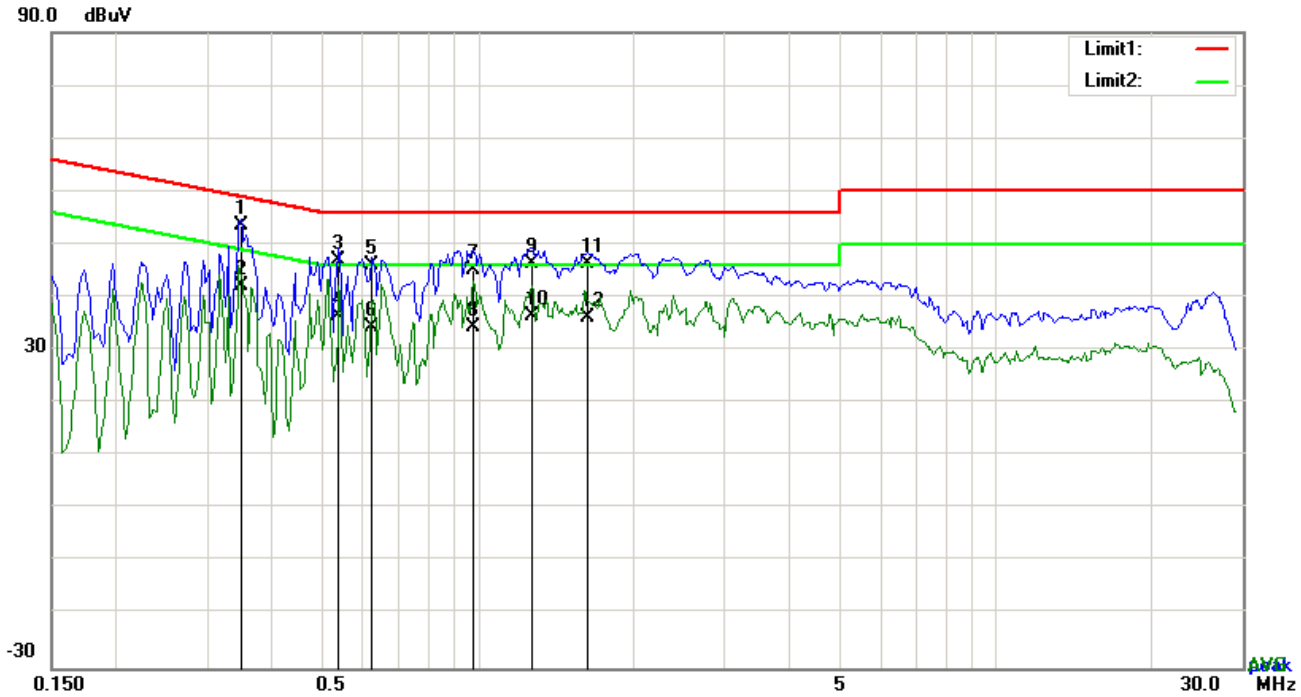


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.3489	39.31	QP	10.03	49.34	58.99	-9.65
2	L1	0.3489	32.64	AVG	10.03	42.67	48.99	-6.32
3	L1	0.5907	30.73	QP	10.03	40.76	56.00	-15.24
4	L1	0.5907	17.90	AVG	10.03	27.93	46.00	-18.07
5	L1	0.8793	31.29	QP	10.03	41.32	56.00	-14.68
6	L1	0.8793	17.90	AVG	10.03	27.93	46.00	-18.07
7	L1	1.3122	30.90	QP	10.03	40.93	56.00	-15.07
8	L1	1.3122	18.74	AVG	10.03	28.77	46.00	-17.23
9	L1	2.1819	25.90	QP	10.04	35.94	56.00	-20.06
10	L1	2.1819	14.25	AVG	10.04	24.29	46.00	-21.71
11	L1	4.3533	24.04	QP	10.07	34.11	56.00	-21.89
12	L1	4.3533	12.49	AVG	10.07	22.56	46.00	-23.44

Test Mode 1 :	USB Mode

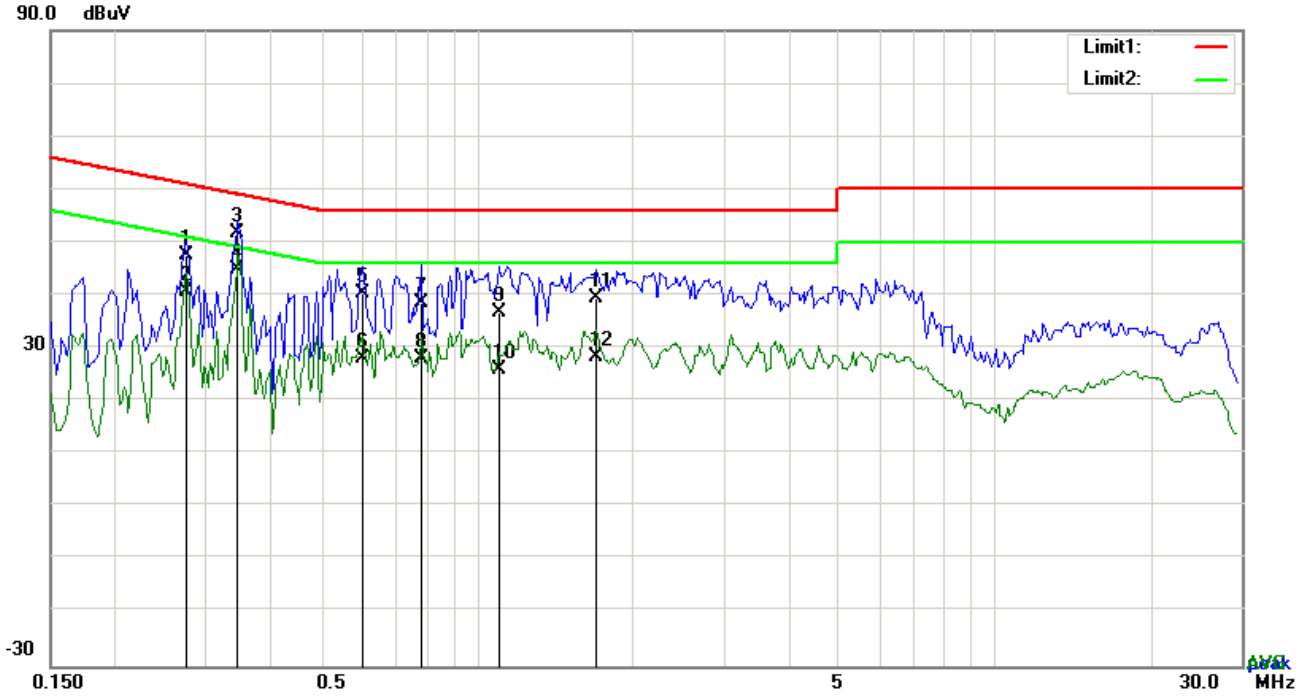


Test Data

Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.3489	43.58	QP	10.02	53.60	58.99	-5.39
2	N	0.3489	32.17	AVG	10.02	42.19	48.99	-6.80
3	N	0.5400	36.83	QP	10.02	46.85	56.00	-9.15
4	N	0.5400	26.51	AVG	10.02	36.53	46.00	-9.47
5	N	0.6219	35.97	QP	10.02	45.99	56.00	-10.01
6	N	0.6219	24.26	AVG	10.02	34.28	46.00	-11.72
7	N	0.9807	35.18	QP	10.03	45.21	56.00	-10.79
8	N	0.9807	24.25	AVG	10.03	34.28	46.00	-11.72
9	N	1.2732	36.31	QP	10.03	46.34	56.00	-9.66
10	N	1.2732	26.46	AVG	10.03	36.49	46.00	-9.51
11	N	1.6281	36.19	QP	10.04	46.23	56.00	-9.77
12	N	1.6281	26.07	AVG	10.04	36.11	46.00	-9.89

Test Mode 2 :	HDMI Mode

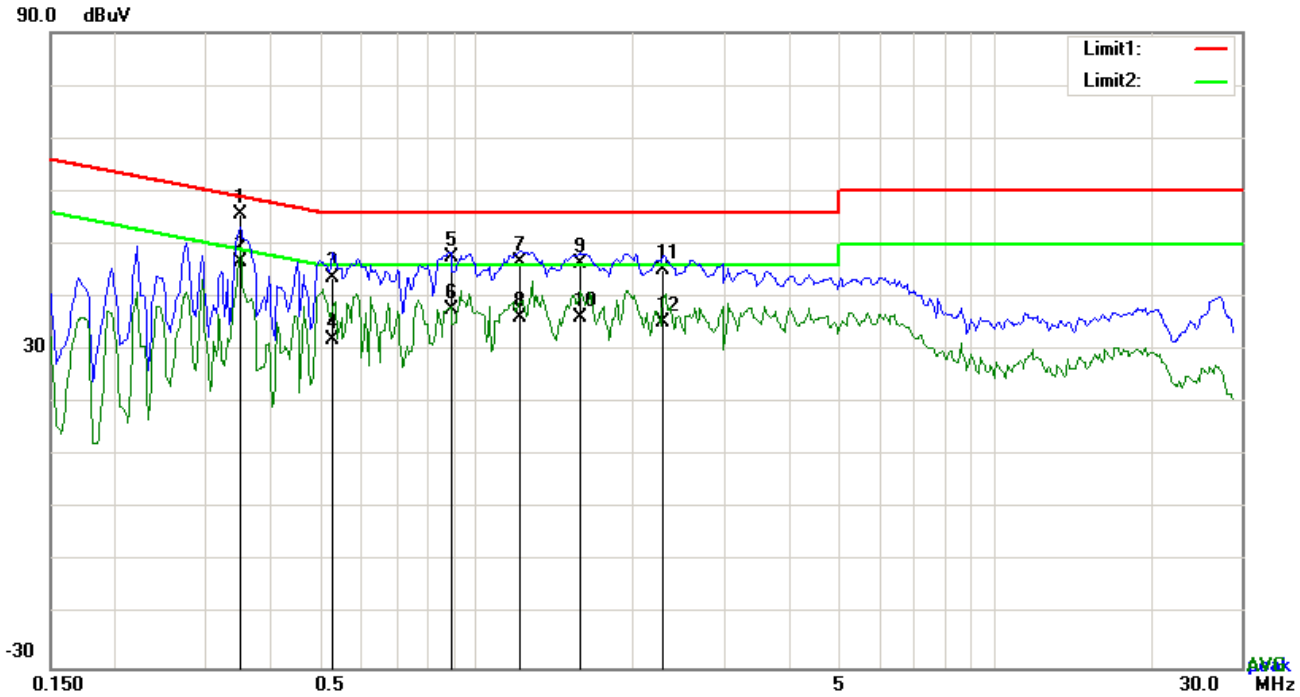


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.2748	37.44	QP	10.03	47.47	60.97	-13.50
2	L1	0.2748	30.59	AVG	10.03	40.62	50.97	-10.35
3	L1	0.3450	41.87	QP	10.03	51.90	59.08	-7.18
4	L1	0.3450	34.92	AVG	10.03	44.95	49.08	-4.13
5	L1	0.6024	30.26	QP	10.03	40.29	56.00	-15.71
6	L1	0.6024	17.90	AVG	10.03	27.93	46.00	-18.07
7	L1	0.7818	28.48	QP	10.03	38.51	56.00	-17.49
8	L1	0.7818	18.00	AVG	10.03	28.03	46.00	-17.97
9	L1	1.1055	26.68	QP	10.03	36.71	56.00	-19.29
10	L1	1.1055	16.00	AVG	10.03	26.03	46.00	-19.97
11	L1	1.7022	29.30	QP	10.04	39.34	56.00	-16.66
12	L1	1.7022	18.28	AVG	10.04	28.32	46.00	-17.68

Test Mode 2:	HDMI Mode

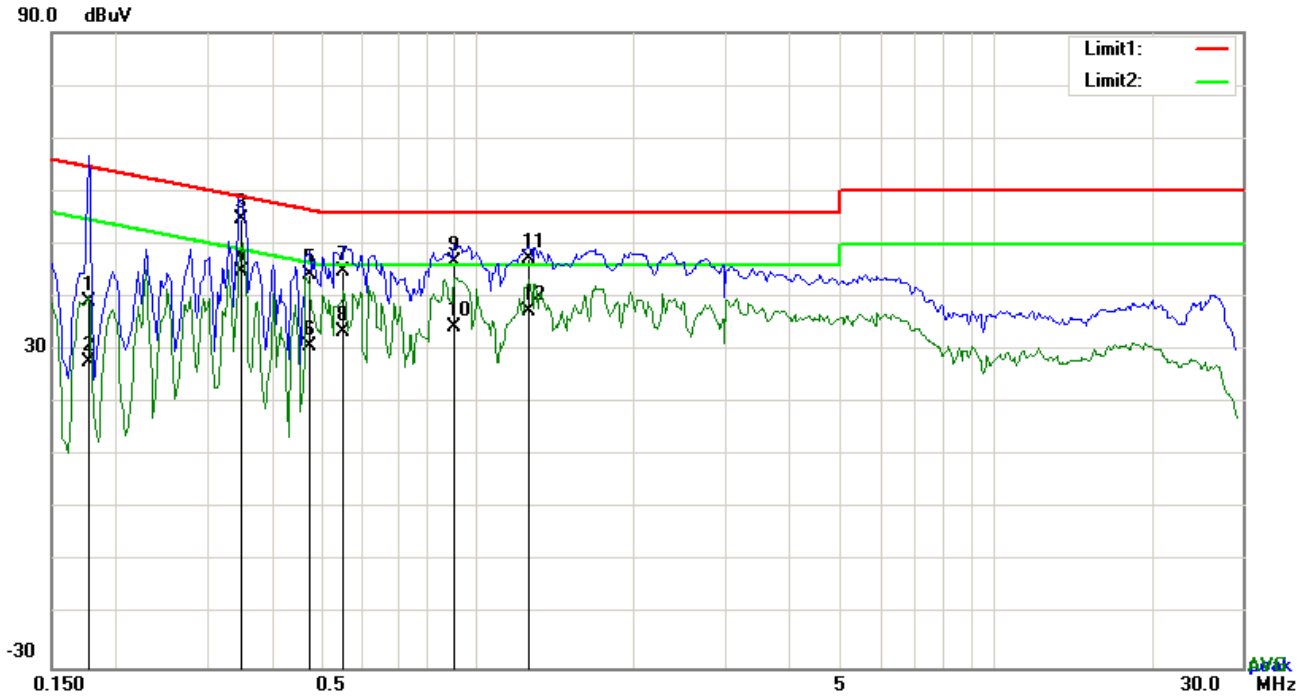


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.3489	45.72	QP	10.02	55.74	58.99	-3.25
2	N	0.3489	36.71	AVG	10.02	46.73	48.99	-2.26
3	N	0.5244	33.57	QP	10.02	43.59	56.00	-12.41
4	N	0.5244	22.03	AVG	10.02	32.05	46.00	-13.95
5	N	0.8910	37.50	QP	10.03	47.53	56.00	-8.47
6	N	0.8910	27.64	AVG	10.03	37.67	46.00	-8.33
7	N	1.2108	36.66	QP	10.03	46.69	56.00	-9.31
8	N	1.2108	26.23	AVG	10.03	36.26	46.00	-9.74
9	N	1.5813	36.28	QP	10.04	46.32	56.00	-9.68
10	N	1.5813	26.19	AVG	10.04	36.23	46.00	-9.77
11	N	2.2950	35.09	QP	10.04	45.13	56.00	-10.87
12	N	2.2950	25.32	AVG	10.04	35.36	46.00	-10.64

Test Mode 2:	HDMI Mode

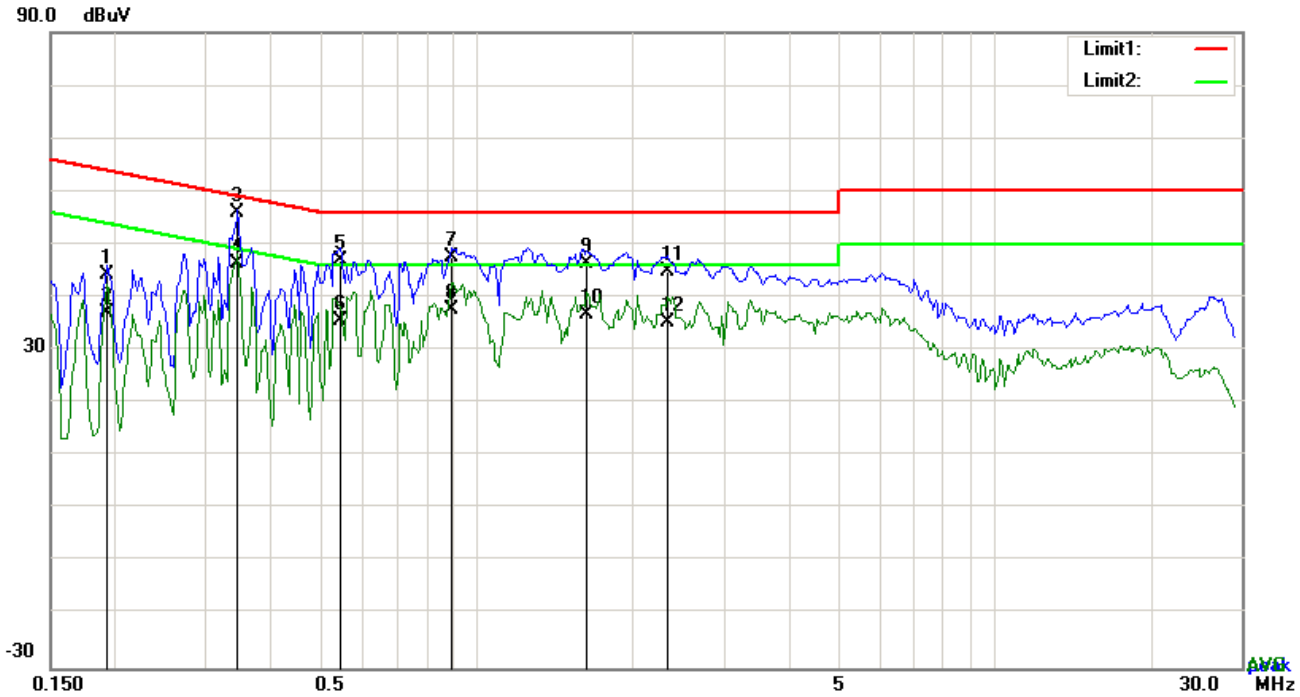


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.1773	29.14	QP	10.03	39.17	64.61	-25.44
2	L1	0.1773	17.69	AVG	10.03	27.72	54.61	-26.89
3	L1	0.3489	44.80	QP	10.03	54.83	58.99	-4.16
4	L1	0.3489	34.67	AVG	10.03	44.70	48.99	-4.29
5	L1	0.4737	34.29	QP	10.03	44.32	56.45	-12.13
6	L1	0.4737	20.61	AVG	10.03	30.64	46.45	-15.81
7	L1	0.5517	34.78	QP	10.03	44.81	56.00	-11.19
8	L1	0.5517	23.50	AVG	10.03	33.53	46.00	-12.47
9	L1	0.9027	36.64	QP	10.03	46.67	56.00	-9.33
10	L1	0.9027	24.46	AVG	10.03	34.49	46.00	-11.51
11	L1	1.2576	37.15	QP	10.03	47.18	56.00	-8.82
12	L1	1.2576	27.25	AVG	10.03	37.28	46.00	-8.72

Test Mode 2:	HDMI Mode



Test Data

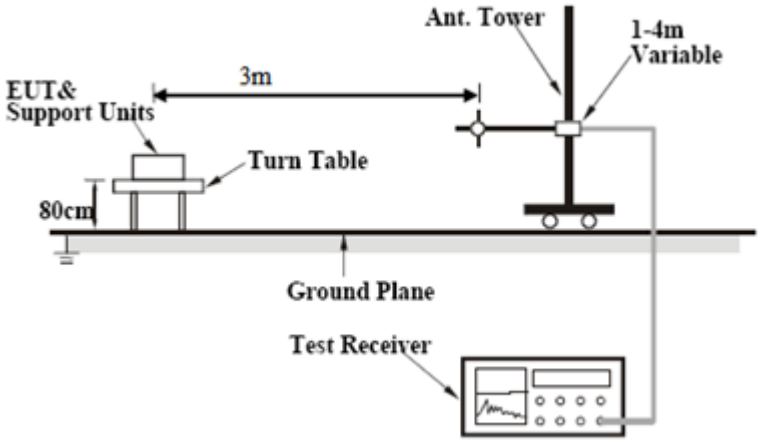
Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.1929	34.36	QP	10.02	44.38	63.91	-19.53
2	N	0.1929	27.02	AVG	10.02	37.04	53.91	-16.87
3	N	0.3450	45.99	QP	10.02	56.01	59.08	-3.07
4	N	0.3450	36.32	AVG	10.02	46.34	49.08	-2.74
5	N	0.5439	36.89	QP	10.02	46.91	56.00	-9.09
6	N	0.5439	25.45	AVG	10.02	35.47	46.00	-10.53
7	N	0.8910	37.48	QP	10.03	47.51	56.00	-8.49
8	N	0.8910	27.69	AVG	10.03	37.72	46.00	-8.28
9	N	1.6320	36.19	QP	10.04	46.23	56.00	-9.77
10	N	1.6320	26.58	AVG	10.04	36.62	46.00	-9.38
11	N	2.3379	34.79	QP	10.04	44.83	56.00	-11.17
12	N	2.3379	25.28	AVG	10.04	35.32	46.00	-10.68

6.2 Radiated Emissions

Temperature	25℃
Relative Humidity	52%
Atmospheric Pressure	1028mbar
Test date :	November 28, 2015
Tested By :	Winnie Zhang

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§15.109(d)</td><td>a)</td><td>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges
<table>
<tr><th>Frequency range (MHz)</th><th>Field Strength (μV/m)</th></tr>
<tr><td>30 – 88</td><td>100</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 960</td><td>200</td></tr>
<tr><td>Above 960</td><td>500</td></tr>
</table></td><td>☑</td></tr>
<tr><td>Test Setup</td><td colspan="3"> 
</td></tr>
<tr><td>Procedure</td><td colspan="3">1. The EUT was switched on and allowed to warm up to its normal operating condition.
2. The test was carried out at the selected frequency points obtained from the EUT characterization. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:
a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
b. The EUT was then rotated to the direction that gave the maximum</td></tr>
</table>

	emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. 3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz. 4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak measurement at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth with Peak detection for Average Measurement as below at frequency above 1GHz. ■ 1 kHz (Duty cycle < 98%) □ 10 Hz (Duty cycle > 98%) 5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.
Remark	
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Mode 1 :	**USB Mode**

Test Mode 2 :	**HDMI Mode**

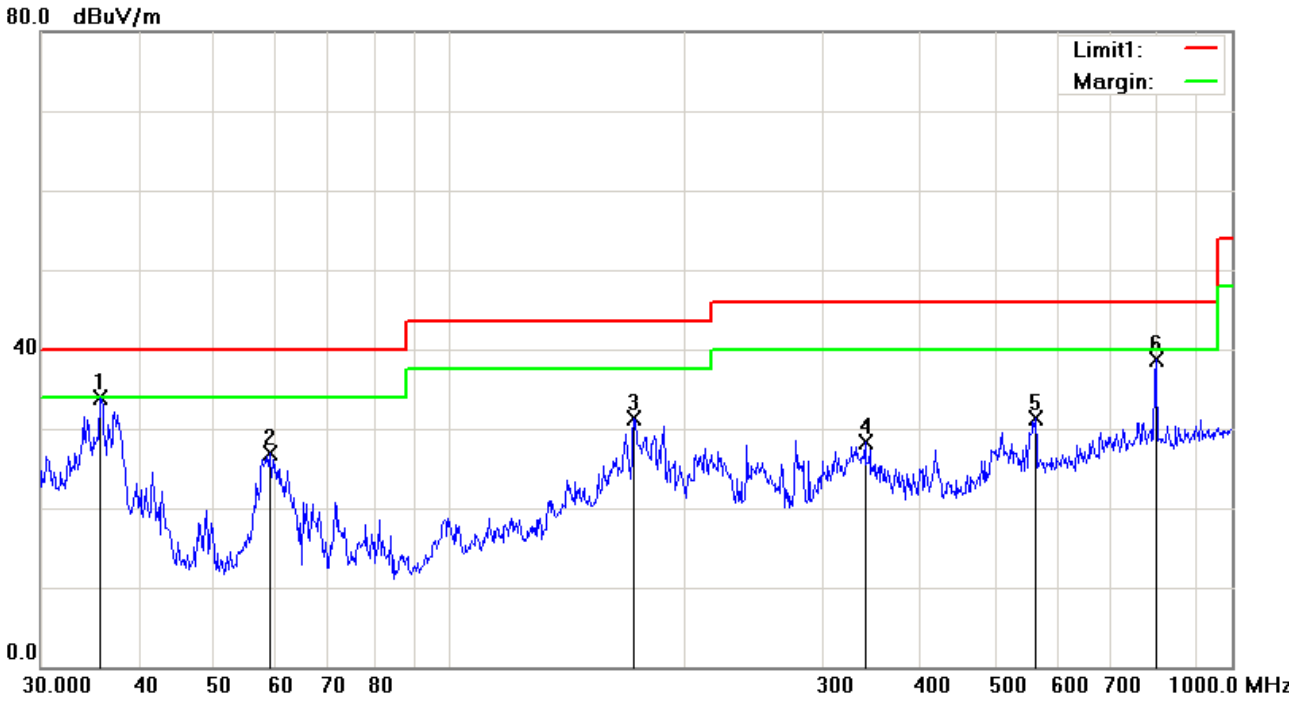
Test Mode 3 :	**Camera Mode**

Test Mode 4 :	**TF-Card Mode**

Note: The EUT was tested under the four modes of USB, HDMI ,Camera and TF-Card , but we only show the worst case: HDMI mode and USB mode.

Test Mode 1:	USB Mode

Below 1GHz

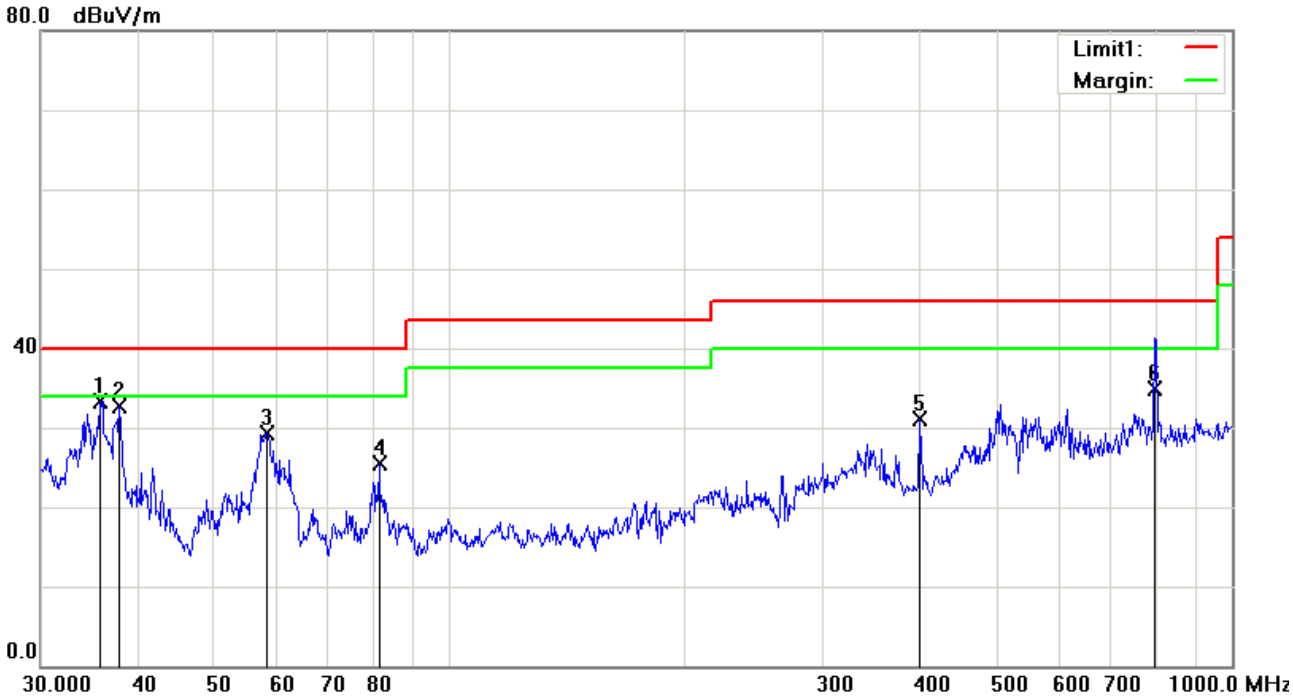


Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )
1	H	35.7491	38.43	peak	-4.49	33.94	40.00	-6.06	100	197
2	H	58.8185	41.19	peak	-14.22	26.97	40.00	-13.03	100	130
3	H	171.9946	40.58	peak	-9.26	31.32	43.50	-12.18	100	242
4	H	339.5888	33.98	peak	-5.76	28.22	46.00	-17.78	100	138
5	H	560.6928	31.87	peak	-0.64	31.23	46.00	-14.77	100	164
6	H	798.9797	35.58	peak	3.20	38.78	46.00	-7.22	100	194

Below 1GHz



Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )
1	V	35.7491	37.86	peak	-4.49	33.37	40.00	-6.63	100	349
2	V	37.8121	38.72	peak	-5.99	32.73	40.00	-7.27	100	101
3	V	58.4074	43.43	peak	-14.17	29.26	40.00	-10.74	100	225
4	V	81.2117	39.23	peak	-13.71	25.52	40.00	-14.48	100	0
5	V	399.0302	35.46	peak	-4.32	31.14	46.00	-14.86	100	359
6	V	796.5695	31.72	QP	3.15	34.87	46.00	-11.13	100	135

Test Mode 1:	USB Mode

Above 1GHz

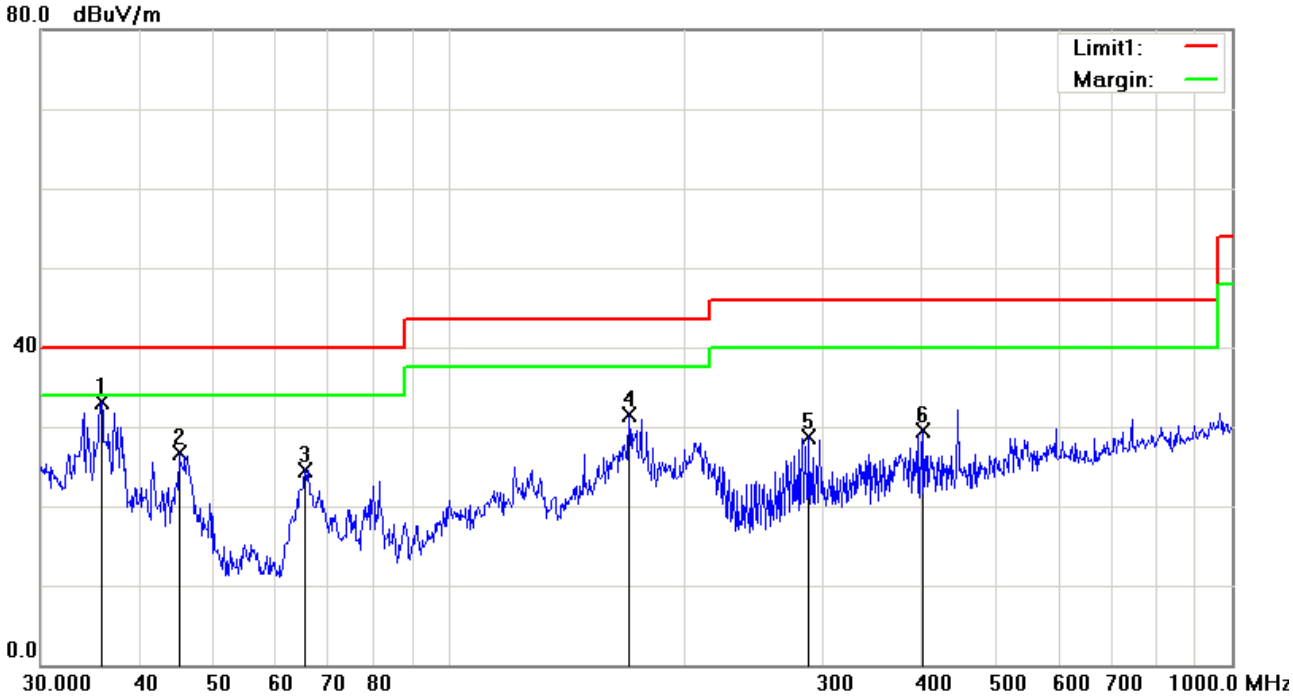
Frequency (MHz)	Amplitude (dBμV/m)	Azimuth	Height (cm)	Polarity (H/V)	Factors (dB)	Limit (dBμV/m)	Margin (dB)	Detector (PK/AV)
1477.25	50.23	52	160	V	-25.12	74	-23.77	PK
2320.10	49.85	132	158	V	-23.45	74	-24.15	PK
1635.42	50.66	82	170	V	-23.78	74	-23.34	PK
2357.20	48.75	77	212	H	-21.42	74	-25.25	PK
2937.12	50.12	167	230	H	-23.22	74	-23.88	PK
1897.78	50.73	61	180	H	-23.65	74	-23.27	PK

Note1: The frequency that above 3GHz is mainly from the environment noise.

Note2: The AV measurement performed, more than 20dB below limit so AV test data was not presented.

Test Mode 2:	HDMI Mode

Below 1GHz

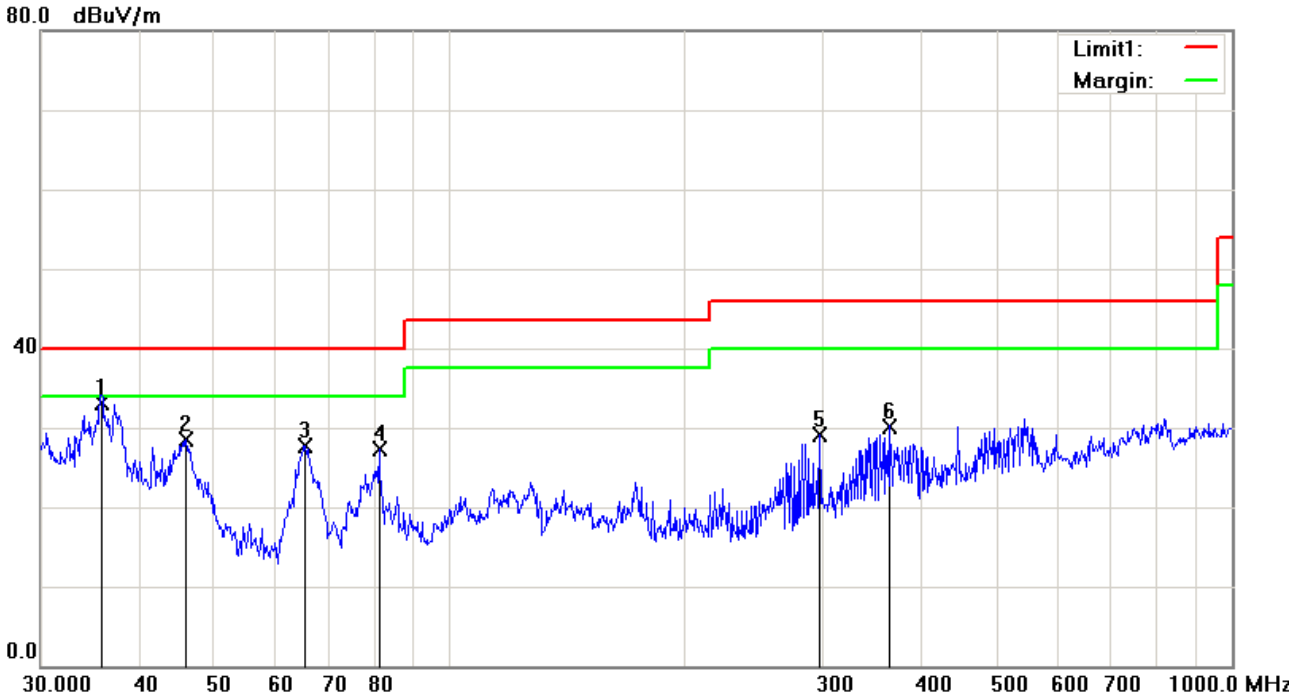


Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )
1	H	35.8747	37.76	peak	-4.58	33.18	40.00	-6.82	100	160
2	H	45.0583	37.66	peak	-10.97	26.69	40.00	-13.31	100	0
3	H	65.3432	38.53	peak	-13.93	24.60	40.00	-15.40	100	0
4	H	169.5990	40.55	peak	-9.07	31.48	43.50	-12.02	100	160
5	H	287.9904	36.20	peak	-7.45	28.75	46.00	-17.25	100	179
6	H	403.2500	33.74	peak	-4.22	29.52	46.00	-16.48	100	205

Below 1GHz



Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )
1	V	35.8747	37.73	QP	-4.58	33.15	40.00	-6.85	100	82
2	V	46.0164	39.83	peak	-11.40	28.43	40.00	-11.57	100	59
3	V	65.3432	41.71	peak	-13.93	27.78	40.00	-12.22	100	243
4	V	81.2117	41.05	peak	-13.71	27.34	40.00	-12.66	100	123
5	V	297.2241	36.03	peak	-7.02	29.01	46.00	-16.99	100	281
6	V	364.2595	35.33	peak	-5.13	30.20	46.00	-15.80	100	296

Test Mode 2:	HDMI Mode

Above 1GHz

Frequency (MHz)	Amplitude (dBμV/m)	Azimuth	Height (cm)	Polarity (H/V)	Factors (dB)	Limit (dBμV/m)	Margin (dB)	Detector (PK/AV)
1588.45	50.23	48	170	V	-23.58	74	-23.77	PK
2075.12	49.75	134	154	V	-21.84	74	-24.25	PK
1642.13	50.03	64	142	V	-23.44	74	-23.97	PK
2172.22	50.36	38	252	H	-25.33	74	-23.64	PK
2830.32	49.88	123	189	H	-21.42	74	-24.12	PK
1826.36	50.47	45	172	H	-25.85	74	-23.53	PK

Note1: The frequency that above 3GHz is mainly from the environment noise.

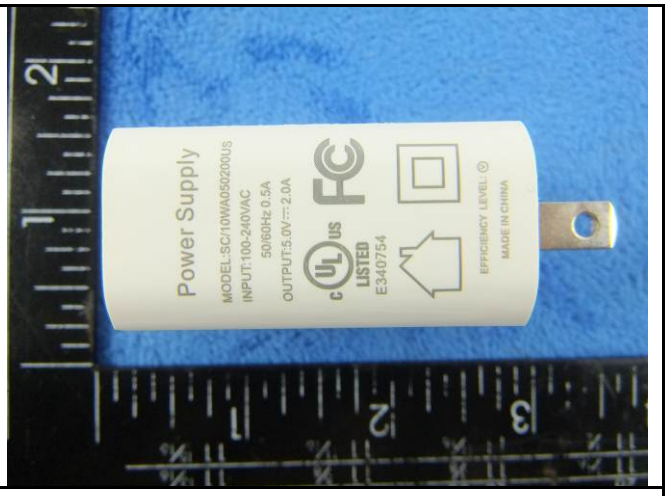
Note2: The AV measurement performed, more than 20dB below limit so AV test data was not presented.

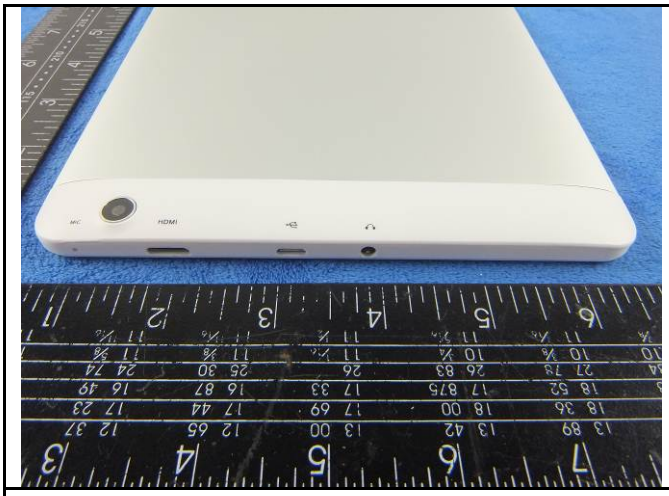
Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted Emissions					
EMI test receiver	ESCS30	8471241027	09/17/2015	09/16/2016	☑
Line Impedance Stabilization Network	LI-125A	191106	09/25/2015	09/24/2016	☑
Line Impedance Stabilization Network	LI-125A	191107	09/25/2015	09/24/2016	☑
LISN	ISN T800	34373	09/25/2015	09/24/2016	☑
Transient Limiter	LIT-153	531118	09/01/2015	08/31/2016	☑
Radiated Emissions					
EMI test receiver	ESL6	100262	09/17/2015	09/16/2016	☑
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/01/2015	08/31/2016	☑
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/25/2015	03/24/2016	☑
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/21/2015	09/20/2016	☑
Double Ridge Horn Antenna	AH-118	71259	09/24/2015	09/23/2016	☑

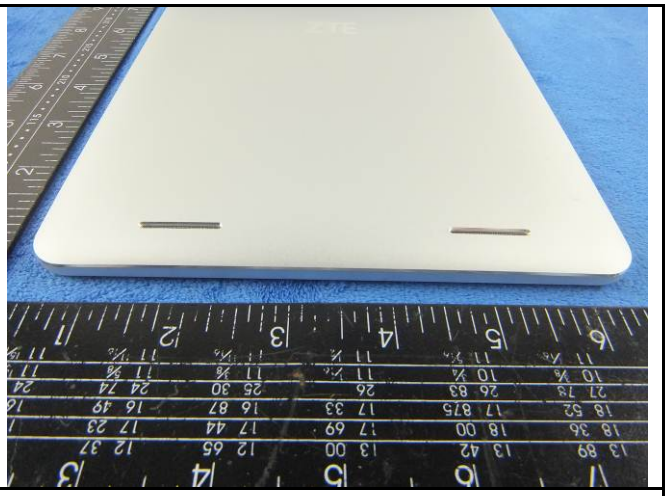
Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo

<table>
<tr><td>  </td><td> 
</td></tr>
<tr><td>Whole Package - Top View</td><td>Adapter - Front View</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>EUT - Front View</td><td>EUT - Rear View</td></tr>
</table>



EUT - Top View



EUT - Bottom View

EUT - Left View

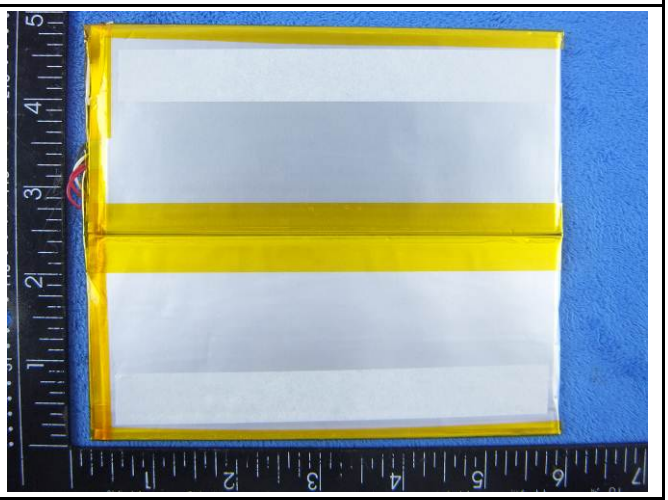
EUT - Right View

Annex B.ii. Photograph: EUT Internal Photo

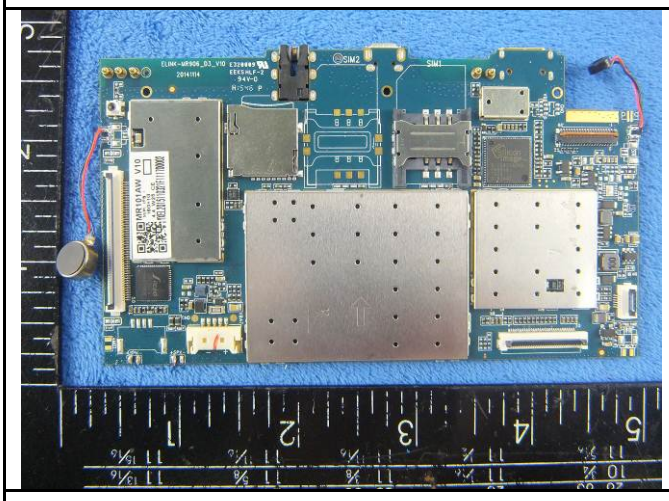
Cover Off - Top View 1

Cover Off - Top View 2

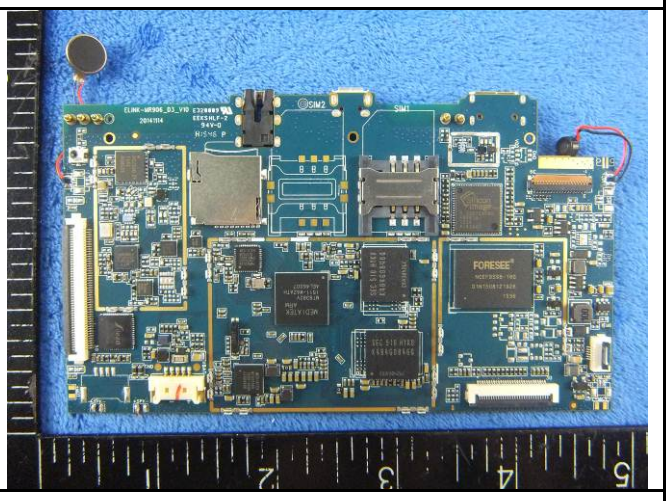
Battery - Front View



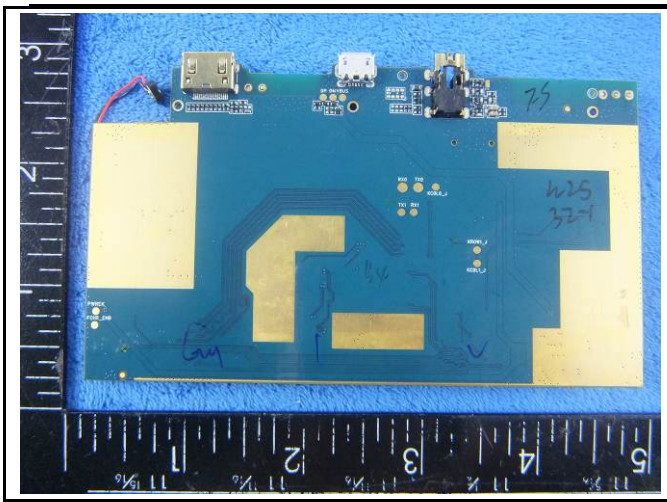
Battery - Rear View



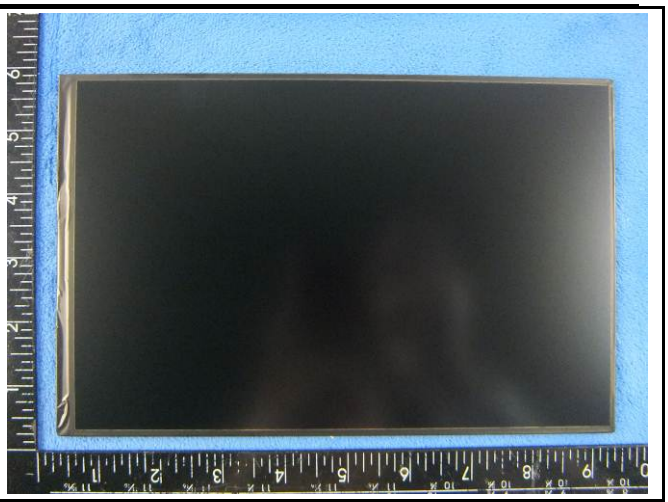
Mainbard with Shielding - Front View



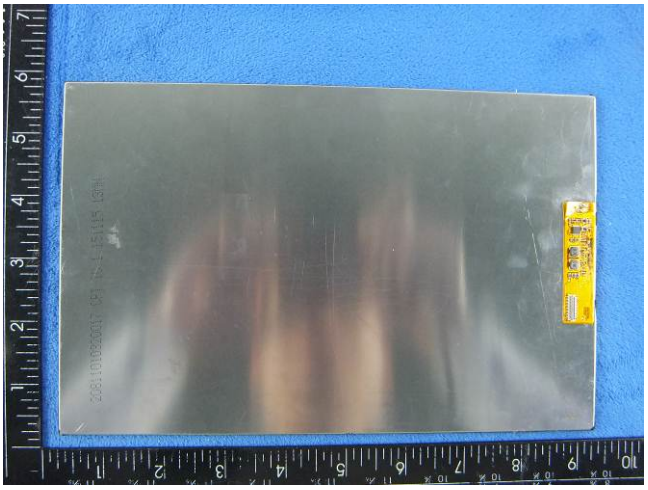
Mainbard without Shielding - Front View



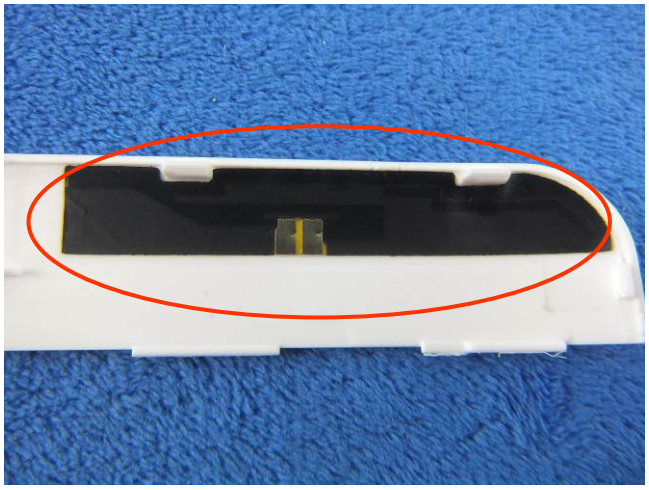
Mainbard – Rear View



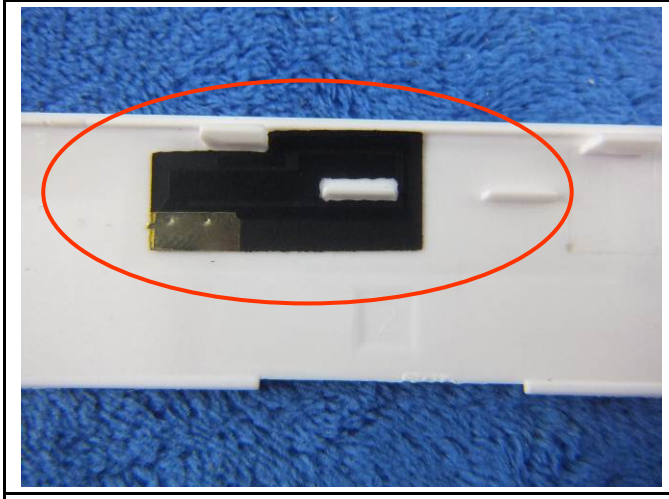
LCD – Front View



LCD – Rear View

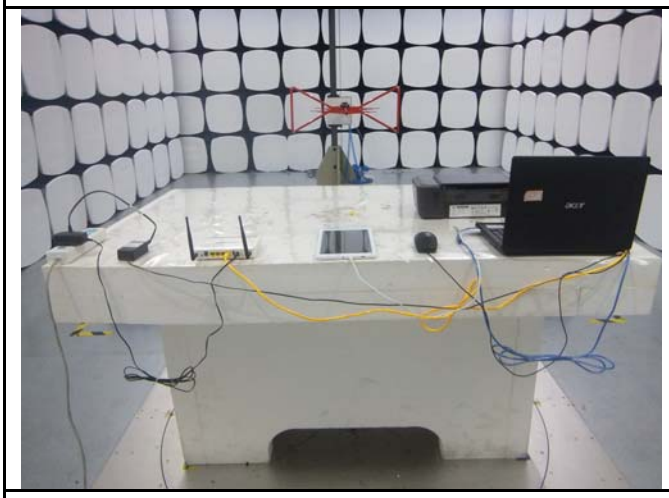
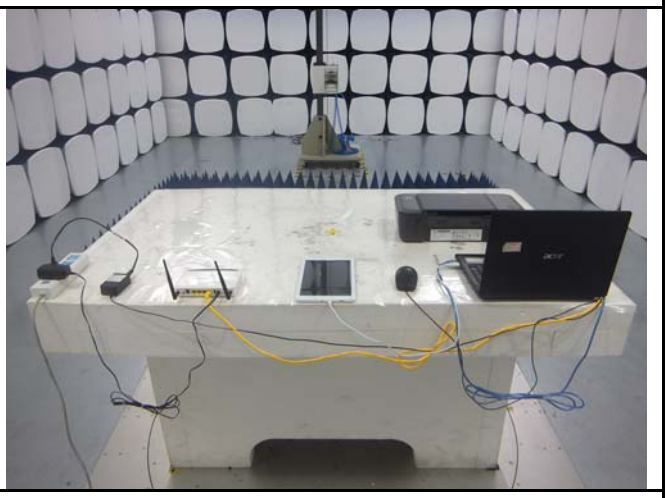


GSM/PCS/UMTS-FDD Antenna View



WIFI/BT/BLE - Antenna View

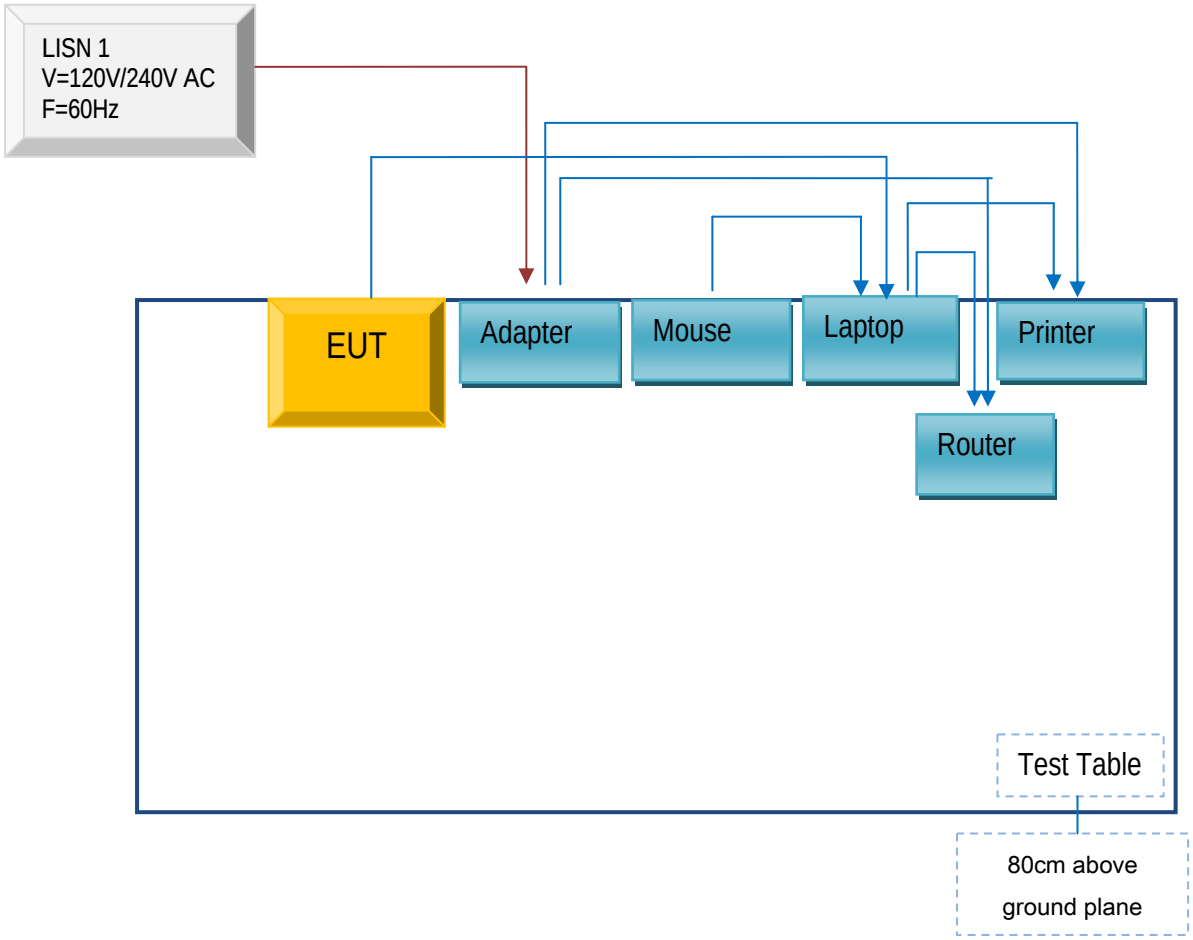
Annex B.iii. Photograph: Test Setup Photo

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Conducted Emissions Test Setup – Front View</td><td>Conducted Emissions Test Setup – Side View</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Radiated Emissions Test Setup Below 1GHz</td><td>Radiated Emissions Test Setup Above 1GHz</td></tr>
</table>

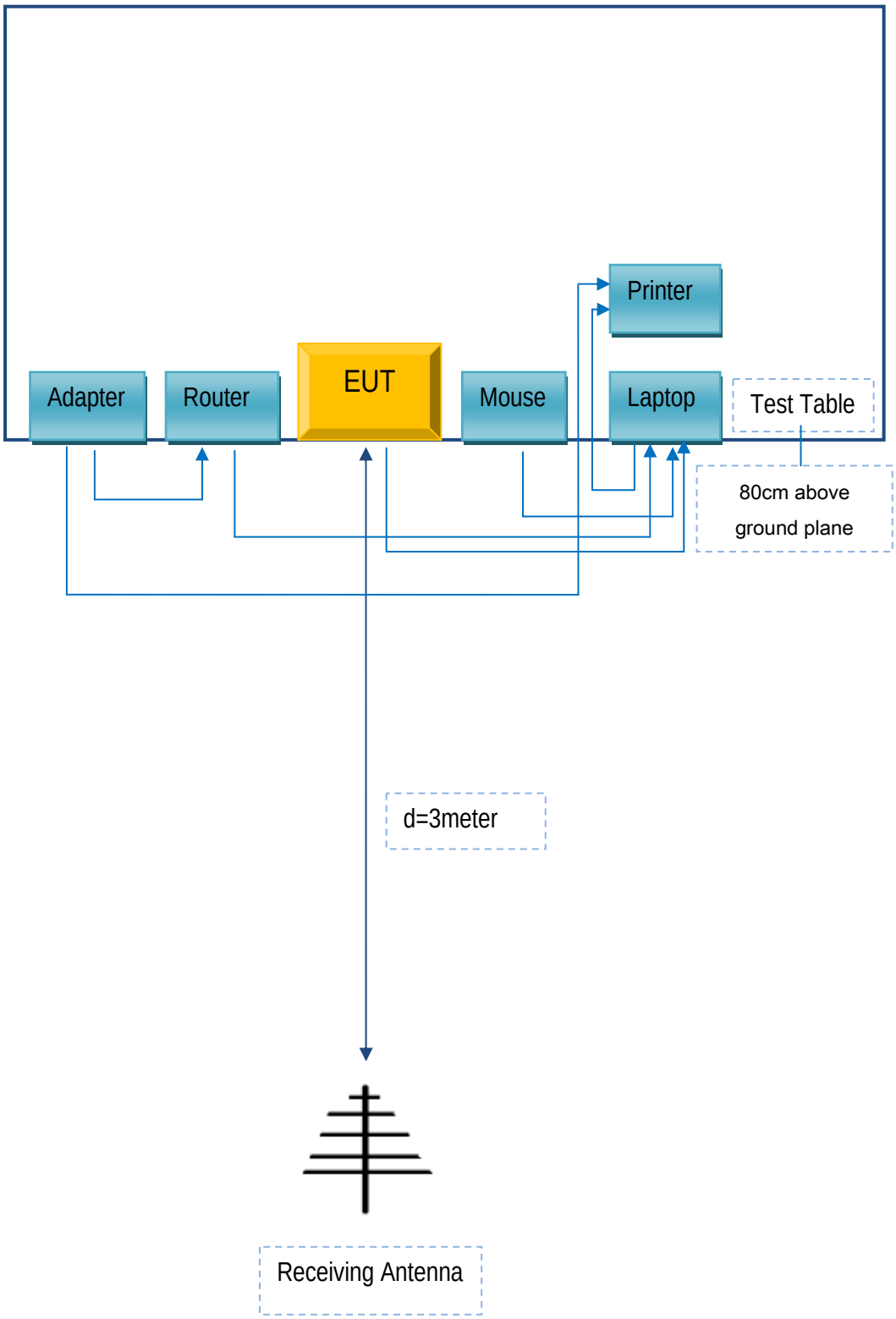
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Conducted Emissions



Block Configuration Diagram for Radiated Emissions



Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
Lenovo	Laptop	E40	N/A	N/A

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Calibration Date	Calibration Due Date
USB Cable	Un-shielding	No	2m	N/A	N/A
RJ45 Cable	Un-shielding	No	2m	N/A	N/A
Router Power cable	Un-shielding	No	2m	N/A	N/A
Printer Power cable	Un-shielding	No	2m	N/A	N/A

Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see Attachment

Annex E. DECLARATION OF SIMILARITY

Hunan ZTE ICT Technologies Co.,Ltd.

To: SIEMIC ,775 Montague Expressway, Milpitas, CA 95035,USA

Declaration Letter

Dear Sir,

For our business issue and marketing requirement, we would like to list 8 model numbers on the FCC certificates and reports, as following:

Model No.: E10Q, E10G,E10H,E10K,E10P,E10T,E10S,E10Z
We declare that, all the model PCB ,Antenna and Appearanceshape , accessories are the same . The difference of these is listed as below:

Main Model No	Serial Model No	Difference
E10Q	E10G,E10H,E10K,E10P,E10T,E10S, E10Z	Different model name

Thank you!

For and on behalf of
湖南中兴网信科技有限公司
Hunan ZTE ICT Technologies Co., Ltd.
Authorized Signature

Signature:

Printed name/title: Xu Hong
Address: 5F, ZTE ICT R&D Building, No.48 Cailun Rd. , High-Tech Development Zone, Hengyang, China