RF TEST REPORT

Report No.: 16070822-FCC-R3

Supersede Report No.: N/A

Applicant	AOC
Product Name	Tablet PC
Model No.	A725
Serial No.	A721,A722,A723,A724,A726,A727,A728,A729
Test Standard	FCC Part 15.247: 2015, ANSI C63.10: 2013
Test Date	July 22 to August 05, 2016
Issue Date	August 06, 2016
Test Result	☑ Pass ☐ Fail
Equipment complied with the specification	☑
Equipment did not comply with the specification	☐

Loren Luo	David Huang	
Loren Luo 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

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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
16070822-FCC-R3	NONE	Original	August 06, 2016

2. Customer information

Applicant Name	AOC
Applicant Add	14F-5, NO.258, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan
Manufacturer	China Great Wall Computer Shenzhen Co., Ltd.
Manufacturer Add	No.Great Wall Computer Industrial Park,Bao Shi East Road,Bao' an Bistrict,Shenzhen,P.R.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:	Tablet PC
Main Model:	A725
Serial Model:	A721,A722,A723,A724,A726,A727,A728,A729
Date EUT received:	July 21, 2016
Test Date(s):	July 22 to August 05, 2016
Equipment Category：	DTS
Antenna Gain:	Bluetooth/BLE/WIFI: 0dBi
Antenna Type:	PIFA antenna
Type of Modulation:	802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, π /4DQPSK, 8DPSK BLE: GFSK
RF Operating Frequency (ies):	WIFI: 802.11b/g/n(20M): 2412-2472 MHz Bluetooth& BLE: 2402-2480 MHz
Max. Output Power:	-3.336dBm
Number of Channels:	WIFI :802.11b/g/n(20M): 13CH Bluetooth: 79CH BLE: 40CH
Port:	Earphone Port, USB Port，SD Card Port
Trade Name :	AOC

Input Power:	Adapter: Model:LFS0501500D-A8S Input: AC 100-240V~50/60Hz;0.5A Output: DC 5.0V,1500mA Battery: Spec: 3.7V,2500mAh(9.25Wh)
FCC ID:	2AEB5-A725

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
§15.203	Antenna Requirement	Compliance
§15.247 (a)(2)	DTS (6 dB) CHANNEL BANDWIDTH	Compliance
§15.247(b)(3)	Conducted Maximum Output Power	Compliance
§15.247(e)	Power Spectral Density	Compliance
§15.247(d)	Band-Edge & Unwanted Emissions into Restricted Frequency Bands	Compliance
§15.207 (a),	AC Power Line Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Radiated Spurious Emissions & Unwanted Emissions into Restricted Frequency Bands	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 Antenna Requirement

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited.
The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

a. Antenna must be permanently attached to the unit.

b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.
And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

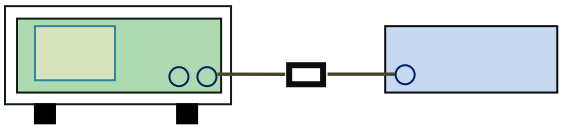
The EUT has 1 antennas:
A permanently attached PIFA antenna for Bluetooth/BLE/WIFI, the gain is 0dBi .

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.

6.2 DTS (6 dB) Channel Bandwidth

Temperature	23℃
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	August 03, 2016
Tested By :	Loren Luo

Spec	Item	Requirement	Applicable
§ 15.247(a)(2)	a)	6dB BW≥ 500kHz;	☑
RSS Gen(4.6.1)	b)	99% BW: For FCC reference only; required by IC.	☑
Test Setup			
Test Procedure	558074 D01 DTS MEAS Guidance v03r03, 8.1 DTS bandwidth 6dB Emission bandwidth measurement procedure - Set RBW = 100 kHz. - Set the video bandwidth (VBW) ≥ 3 RBW. - Detector = Peak. - Trace mode = max hold. - Sweep = auto couple. - Allow the trace to stabilize. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.		
Remark			
Result	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

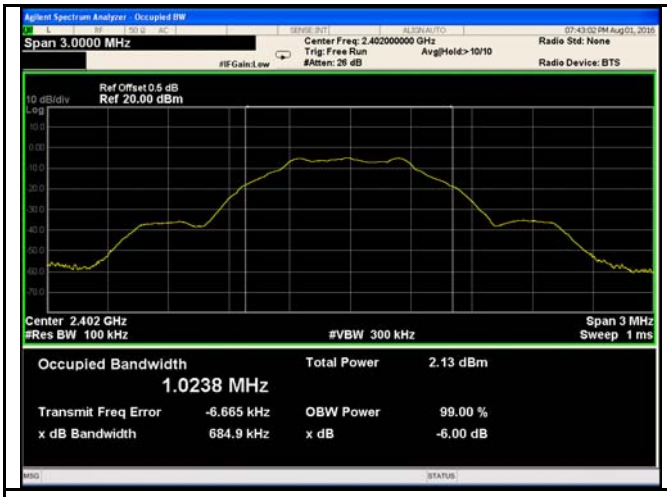
Test Plot ☑ Yes (See below) ☐ N/A

6dB Bandwidth measurement result

Test Data

CH	Frequency (MHz)	6dB Bandwidth (kHz)	99% Occupied Bandwidth (MHz)
Low	2402	684.9	1.0238
Mid	2440	683.0	1.0248
High	2480	683.4	1.0270

Test Plots



6dB Bandwidth - Low CH 2402

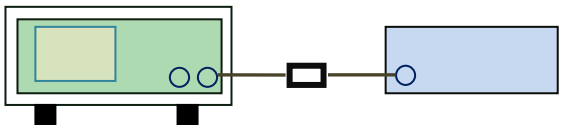
6dB Bandwidth - Mid CH 2440

6dB Bandwidth - High CH 2480

6.3 Maximum Output Power

Temperature	23℃
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	August 03, 2016
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(b)(3),RSS210(A8.4)	a)	FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt	☐
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt	☐
	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt.	☐
	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt	☐
	e)	FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25 Watt	☐
	f)	DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt	☑
Test Setup	 Spectrum Analyzer EUT		
Test Procedure	558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method Maximum output power measurement procedure a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level.		
Remark			
Result	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

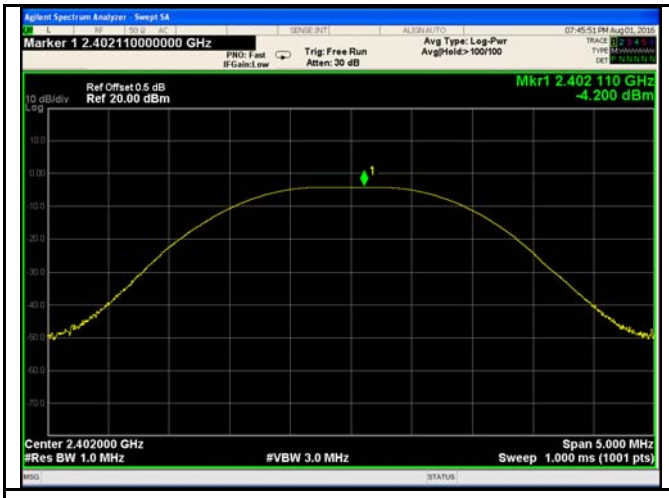
Test Plot ☑ Yes (See below) ☐ N/A

Output Power measurement result

Test Data

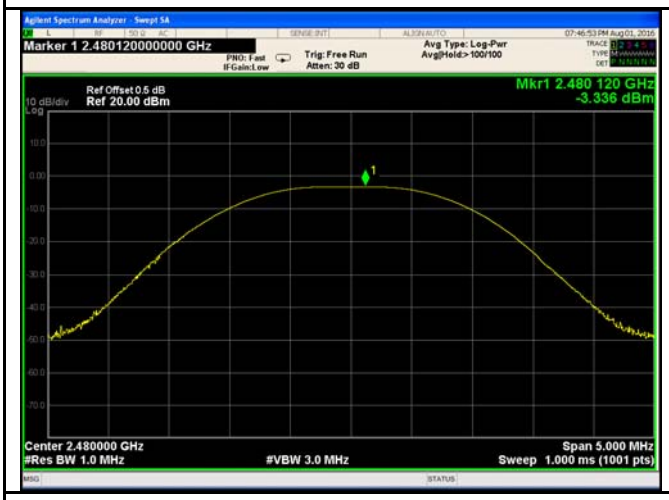
Type	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output power	Low	2402	-4.200	30	Pass
	Mid	2440	-3.766	30	Pass
	High	2480	**-3.336**	30	Pass

Test Plots



AV Output power - Low CH 2402

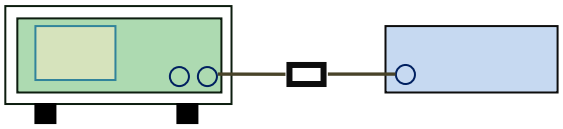
AV Output power - Mid CH 2440



AV Output power - High CH 2480

6.4 Power Spectral Density

Temperature	23℃
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	August 03, 2016
Tested By :	Loren Luo

Spec	Item	Requirement	Applicable
§15.247(e)	a)	The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.	☑
Test Setup	 Spectrum Analyzer EUT		
Test Procedure	558074 D01 DTS MEAS Guidance v03r03, 10.2 power spectral density method power spectral density measurement procedure - a) Set analyzer center frequency to DTS channel center frequency. - b) Set the span to 1.5 times the DTS bandwidth. - c) Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz. - d) Set the VBW ≥ 3 × RBW. - e) Detector = peak. - f) Sweep time = auto couple. - g) Trace mode = max hold. - h) Allow trace to fully stabilize. - i) Use the peak marker function to determine the maximum amplitude level within the RBW. - j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.		
Remark			
Result	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Power Spectral Density measurement result

Test Data

Type	CH	Freq (MHz)	Reading (dBm)	Factor (dB)	Result (dBm)	Limit (dBm)	Result
PSD	Low	2402	-14.167	-5.23	-19.397	8	Pass
	Mid	2440	-13.663	-5.23	-18.893	8	Pass
	High	2480	-13.393	-5.23	-18.623	8	Pass

Note: factor=10log(3/10)=-5.23

Test Plots

PSD - Low CH 2402

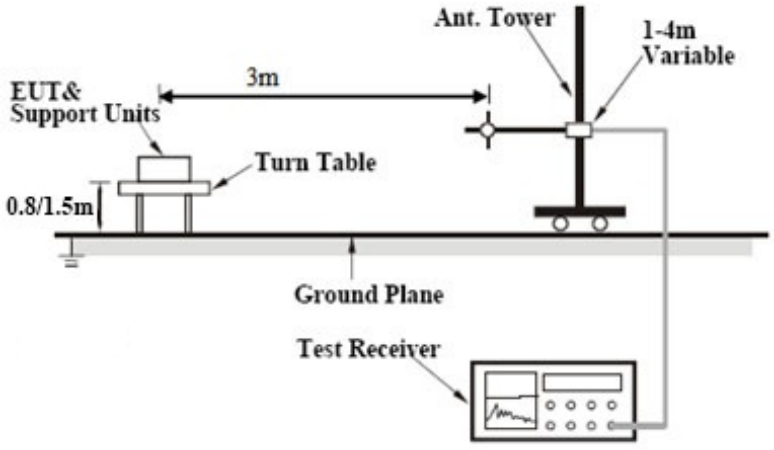
PSD - Mid CH 2440

PSD - High CH 2480

6.5 Band-Edge & Unwanted Emissions into Restricted Frequency Bands

Temperature	24℃
Relative Humidity	56%
Atmospheric Pressure	1004mbar
Test date :	August 04, 2016
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(d)	a)	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.	☑
Test Setup			
Test Procedure	Radiated Method Only - 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. - 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.		

	- 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer as below: a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz. b. 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. c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz with Peak detection for Average Measurement as below at frequency above 1GHz. - 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency. - 5. Repeat above procedures until all measured frequencies were complete.
Remark	
Result	☑ Pass ☐ Fail

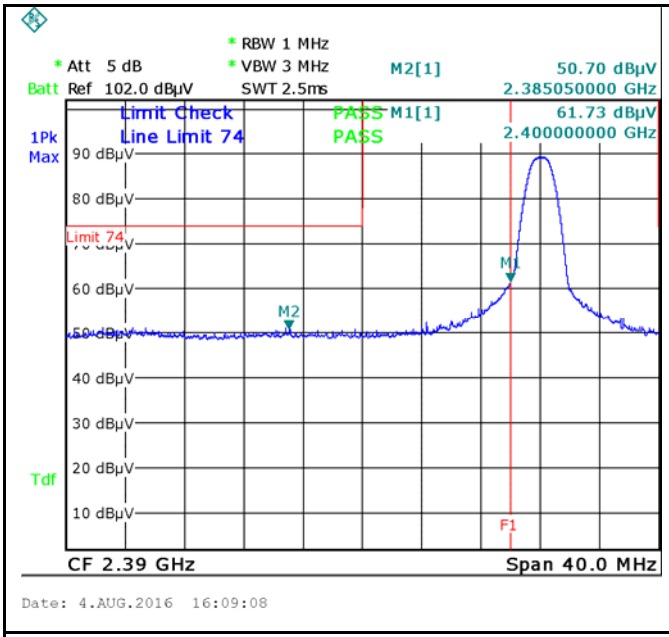
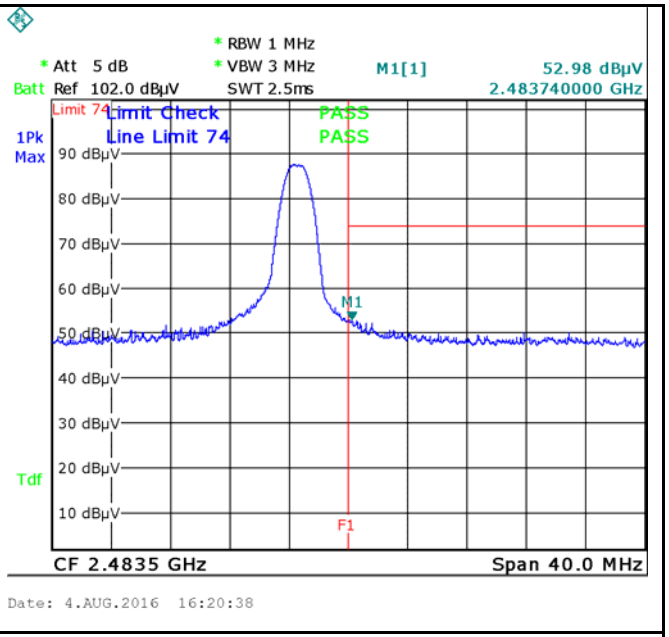
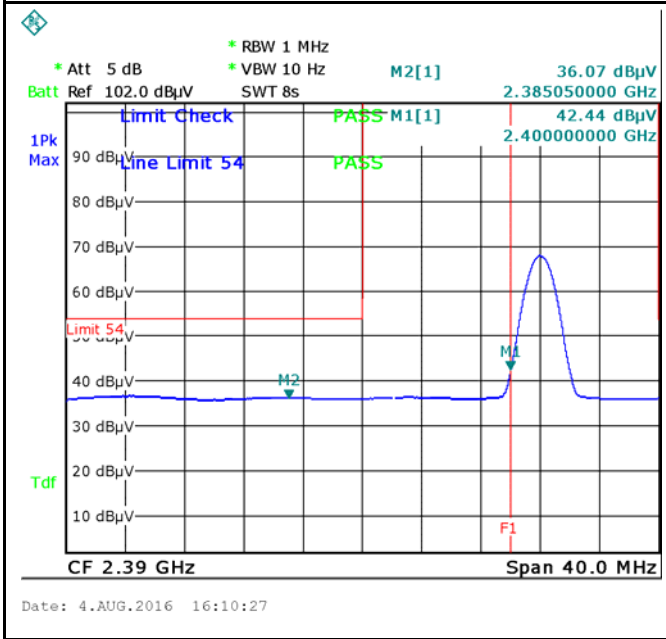
Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Radiated method:

Test Plots

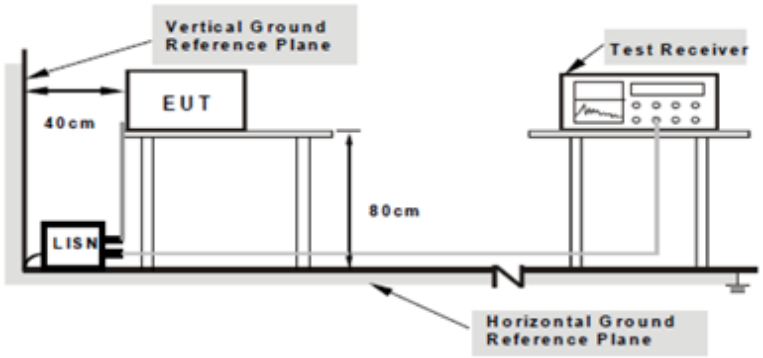
Band Edge measurement result

<table>
<tr>
<td> 
</td>
<td> 
</td>
</tr>
<tr>
<td>Band Edge, Left Side (Peak)
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</td>
<td>Band Edge, Right Side (Peak)
Note: F1 is frequency 2483.5MHz</td>
</tr>
<tr>
<td> 
</td>
<td>Note: (no need if PK value less than the AV limit)</td>
</tr>
<tr>
<td>Band Edge, Left Side-AV</td>
<td>Band Edge, Right Side-AV</td>
</tr>
</table>

6.6 AC Power Line Conducted Emissions

Temperature	24℃
Relative Humidity	56%
Atmospheric Pressure	1004mbar
Test date :	August 04, 2016
Tested By :	Loren Luo

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§15.207, RSS210 (A8.1)</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"> 

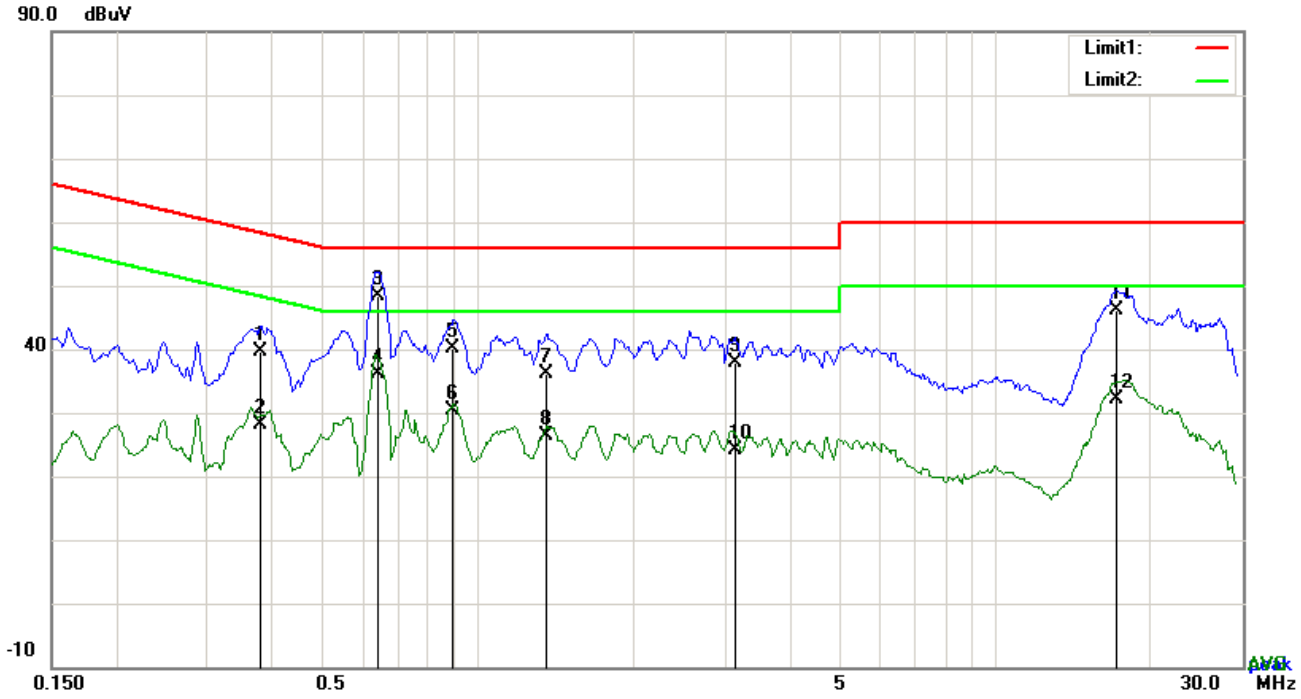
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.</td></tr>
<tr><td>Procedure</td><td colspan="3">1. The EUT and supporting equipment were set up in accordance with the requirements of 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 50W/50mH EUT LISN, connected to filtered mains.
3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss</td></tr>
</table>

	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:	Transmitting Mode

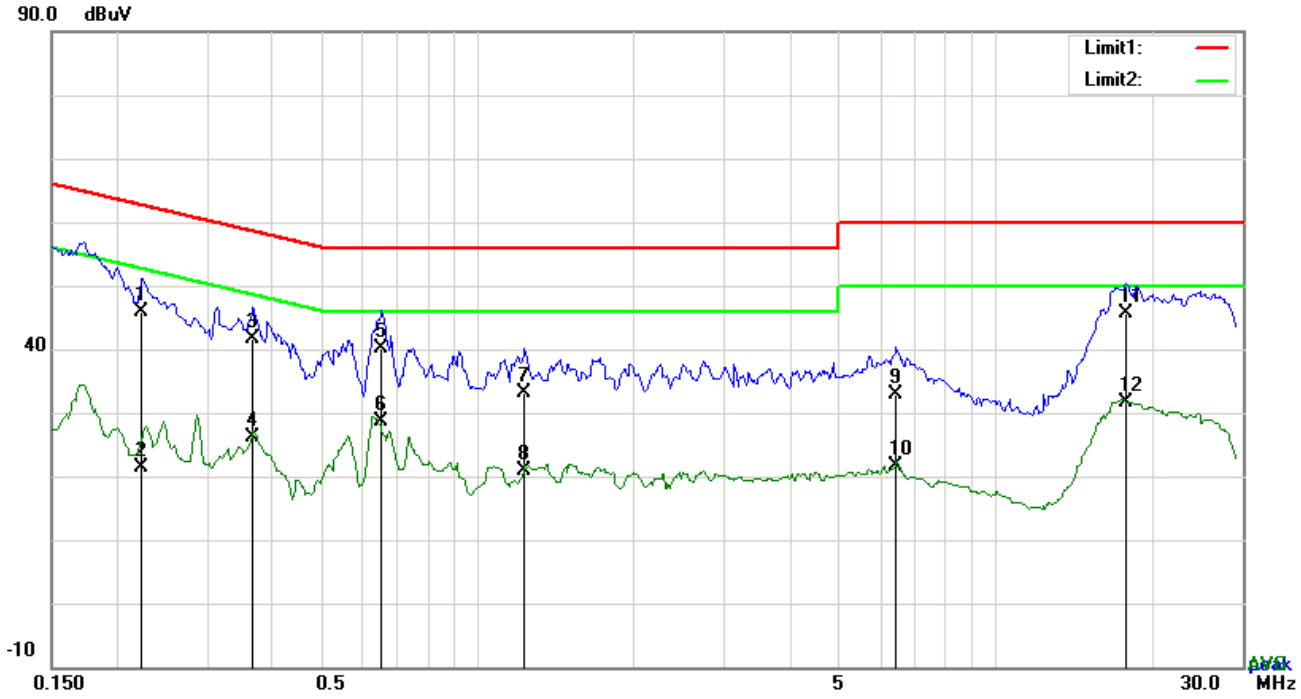


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.3801	29.50	QP	10.03	39.53	58.28	-18.75
2	L1	0.3801	18.01	AVG	10.03	28.04	48.28	-20.24
3	L1	0.6414	38.26	QP	10.03	48.29	56.00	-7.71
4	L1	0.6414	26.03	AVG	10.03	36.06	46.00	-9.94
5	L1	0.8988	30.04	QP	10.03	40.07	56.00	-15.93
6	L1	0.8988	20.30	AVG	10.03	30.33	46.00	-15.67
7	L1	1.3590	26.09	QP	10.03	36.12	56.00	-19.88
8	L1	1.3590	16.24	AVG	10.03	26.27	46.00	-19.73
9	L1	3.1443	27.88	QP	10.06	37.94	56.00	-18.06
10	L1	3.1443	14.03	AVG	10.06	24.09	46.00	-21.91
11	L1	17.1765	35.92	QP	10.26	46.18	60.00	-13.82
12	L1	17.1765	21.84	AVG	10.26	32.10	50.00	-17.90

Test Mode:	Transmitting Mode

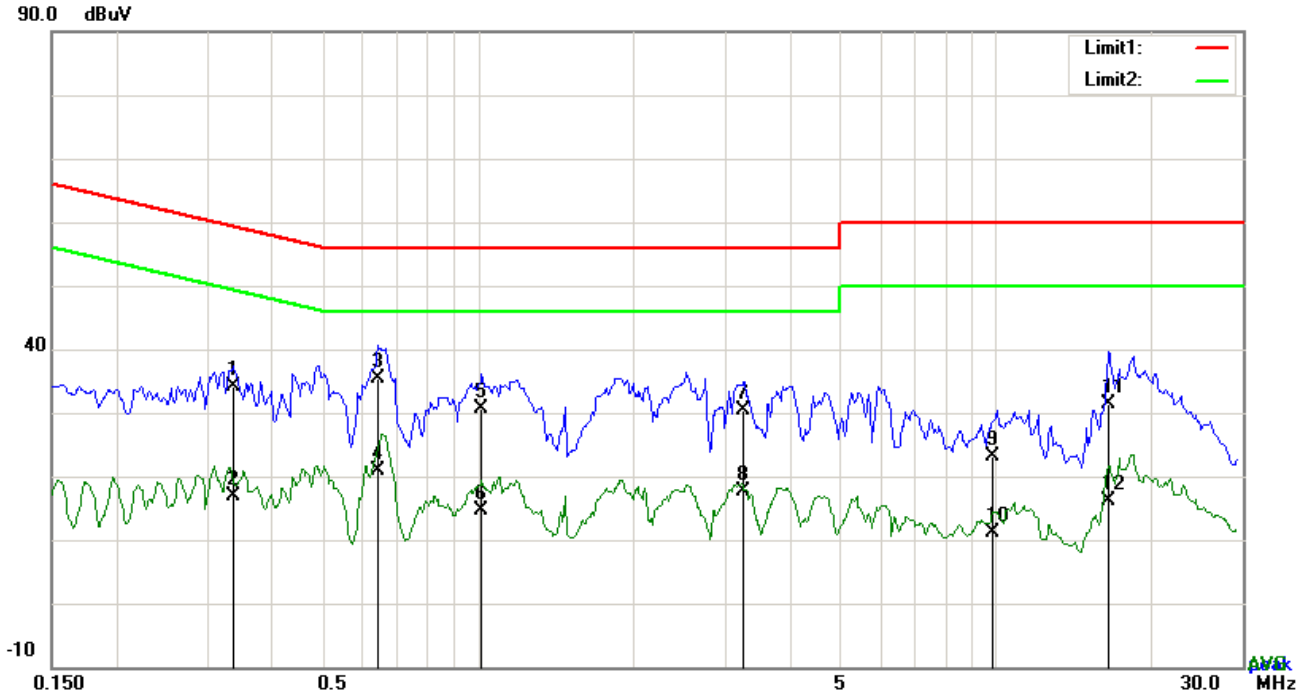


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	N	0.2241	35.84	QP	10.02	45.86	62.67	-16.81
2	N	0.2241	11.46	AVG	10.02	21.48	52.67	-31.19
3	N	0.3684	31.69	QP	10.02	41.71	58.54	-16.83
4	N	0.3684	16.11	AVG	10.02	26.13	48.54	-22.41
5	N	0.6531	30.10	QP	10.02	40.12	56.00	-15.88
6	N	0.6531	18.73	AVG	10.02	28.75	46.00	-17.25
7	N	1.2303	23.18	QP	10.03	33.21	56.00	-22.79
8	N	1.2303	10.77	AVG	10.03	20.80	46.00	-25.20
9	N	6.4515	22.88	QP	10.09	32.97	60.00	-27.03
10	N	6.4515	11.65	AVG	10.09	21.74	50.00	-28.26
11	N	17.9097	35.40	QP	10.23	45.63	60.00	-14.37
12	N	17.9097	21.43	AVG	10.23	31.66	50.00	-18.34

Test Mode:	Transmitting Mode

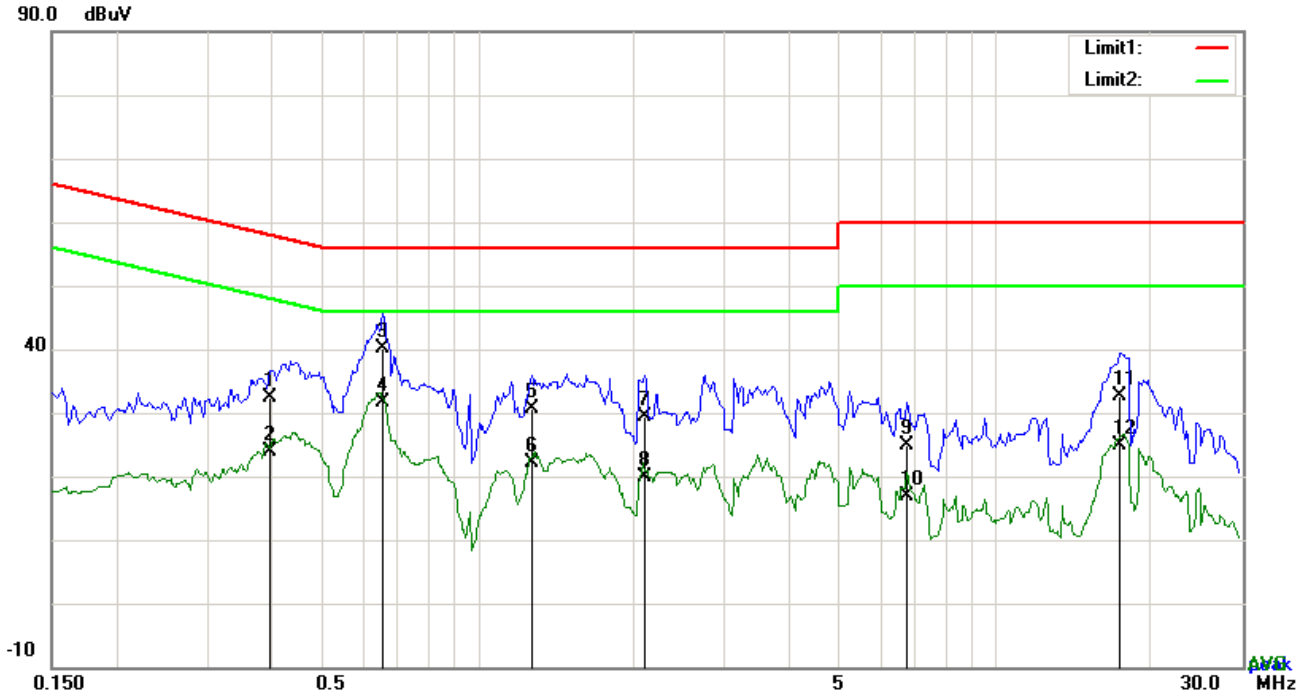


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.3372	24.13	QP	10.03	34.16	59.27	-25.11
2	L1	0.3372	6.86	AVG	10.03	16.89	49.27	-32.38
3	L1	0.6414	25.28	QP	10.03	35.31	56.00	-20.69
4	L1	0.6414	10.96	AVG	10.03	20.99	46.00	-25.01
5	L1	1.0197	20.67	QP	10.03	30.70	56.00	-25.30
6	L1	1.0197	4.70	AVG	10.03	14.73	46.00	-31.27
7	L1	3.2730	20.20	QP	10.06	30.26	56.00	-25.74
8	L1	3.2730	7.48	AVG	10.06	17.54	46.00	-28.46
9	L1	9.8757	12.94	QP	10.15	23.09	60.00	-36.91
10	L1	9.8757	0.87	AVG	10.15	11.02	50.00	-38.98
11	L1	16.5525	21.24	QP	10.25	31.49	60.00	-28.51
12	L1	16.5525	5.80	AVG	10.25	16.05	50.00	-33.95

Test Mode:	Transmitting Mode



Test Data

Phase Neutral Plot at 240Vac, 60Hz

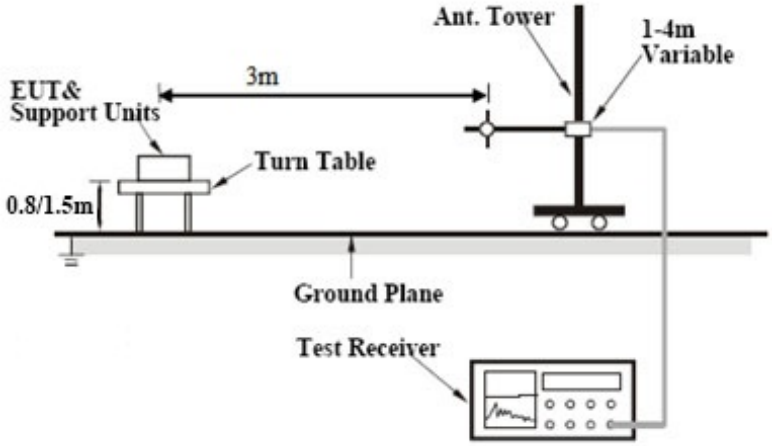
No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	N	0.3957	22.35	QP	10.02	32.37	57.94	-25.57
2	N	0.3957	13.98	AVG	10.02	24.00	47.94	-23.94
3	N	0.6570	30.11	QP	10.02	40.13	56.00	-15.87
4	N	0.6570	21.71	AVG	10.02	31.73	46.00	-14.27
5	N	1.2693	20.68	QP	10.03	30.71	56.00	-25.29
6	N	1.2693	12.19	AVG	10.03	22.22	46.00	-23.78
7	N	2.1078	19.35	QP	10.04	29.39	56.00	-26.61
8	N	2.1078	9.94	AVG	10.04	19.98	46.00	-26.02
9	N	6.7557	14.70	QP	10.09	24.79	60.00	-35.21
10	N	6.7557	6.72	AVG	10.09	16.81	50.00	-33.19
11	N	17.3676	22.30	QP	10.23	32.53	60.00	-27.47
12	N	17.3676	14.56	AVG	10.23	24.79	50.00	-25.21

6.7 Radiated Spurious Emissions & Restricted Band

Temperature	23℃
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	August 03, 2016
Tested By :	Loren Luo

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td rowspan="3">47CFR§15.247(d), RSS210 (A8.5)</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>b)</td><td>For non-restricted band, In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB or 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, determined by the measurement method on output power to be used. Attenuation below the general limits specified in § 15.209(a) is not required
☒ 20 dB down ☐ 30 dB down</td><td>☑</td></tr>
<tr><td>c)</td><td>or restricted band, emission must also comply with the radiated emission limits specified in 15.209</td><td>☑</td></tr>
</table>

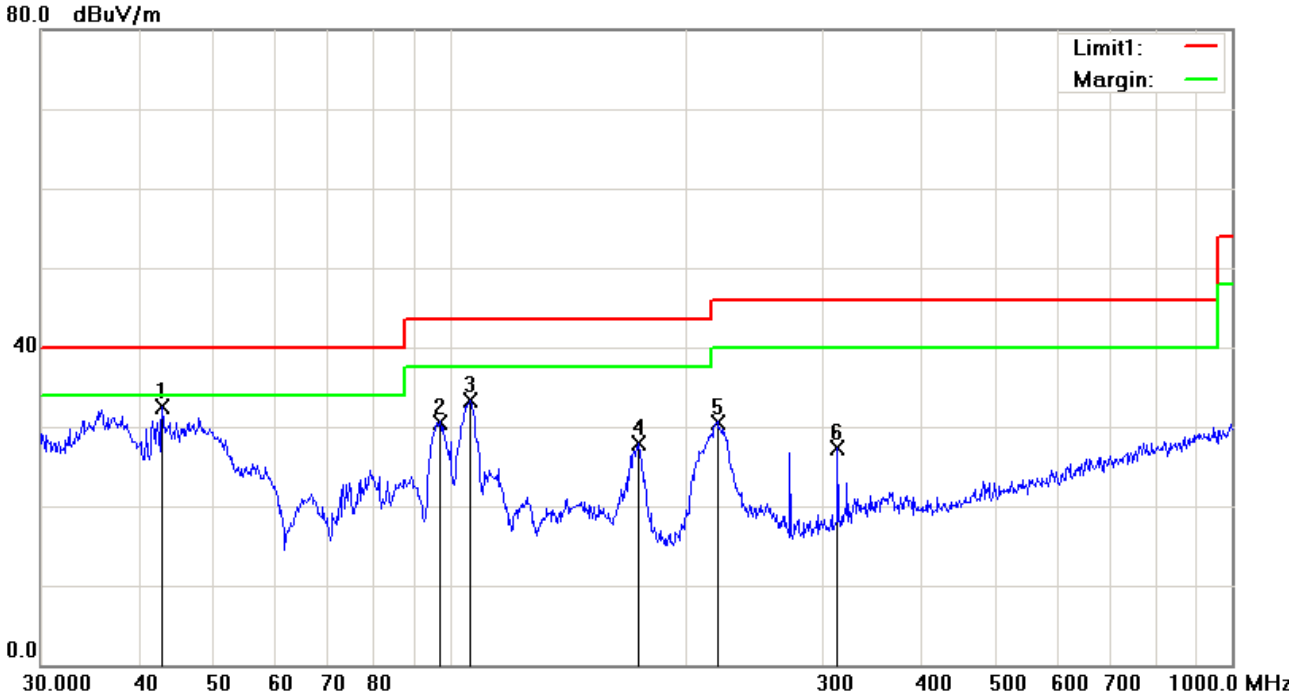
Test Setup	
Procedure	1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterization. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, 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 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 is 10Hz with Peak detection for Average Measurement as below at frequency above 1GHz. 5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.
Remark	Different RF configuration has been evaluated but not much difference was found. The data presented here is the worst case data with EUT under 802.11n – HT20-2437MHz mode.
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Mode:	Transmitting Mode

Below 1GHz

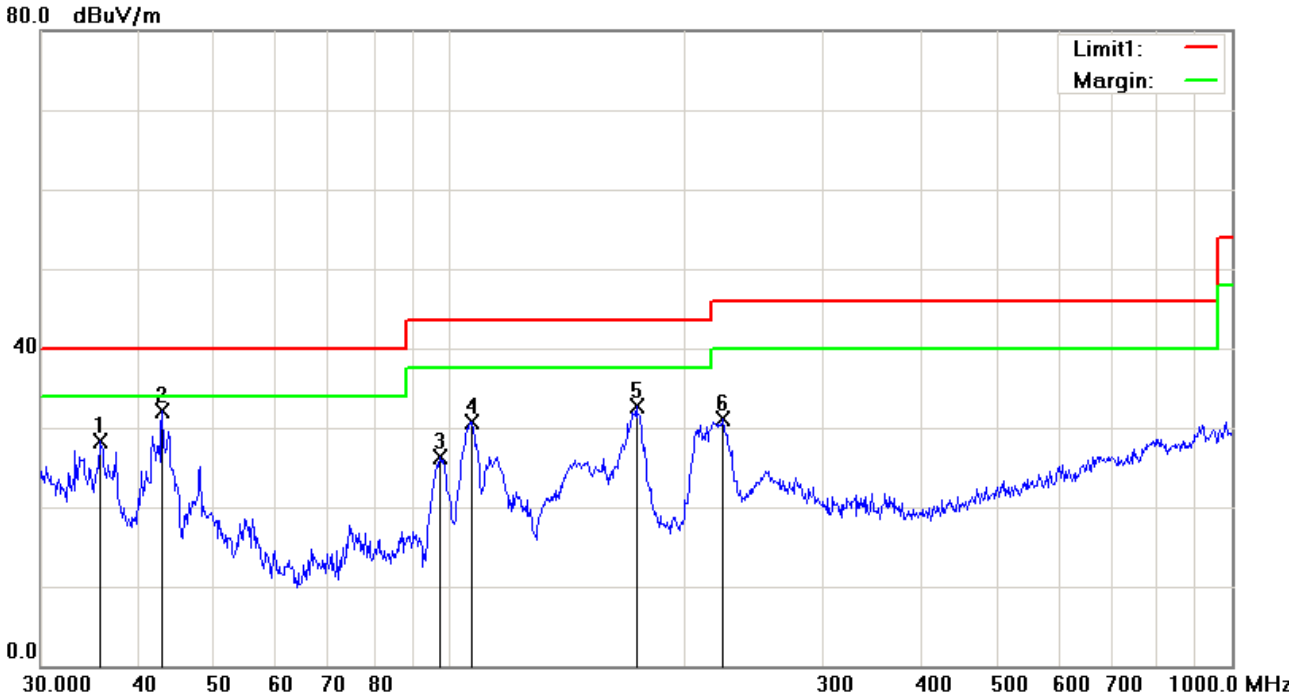


Test Data

Vertical Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Height	Degree
1	V	42.8998	42.11	peak	-9.53	32.58	40.00	-7.42	100	306
2	V	97.1148	42.17	peak	-11.57	30.60	43.50	-12.90	100	235
3	V	106.3850	42.88	peak	-9.66	33.22	43.50	-10.28	100	242
4	V	174.4241	37.41	peak	-9.45	27.96	43.50	-15.54	100	25
5	V	219.8449	39.52	peak	-8.92	30.60	46.00	-15.40	100	355
6	V	313.2760	33.90	peak	-6.51	27.39	46.00	-18.61	100	235

Below 1GHz



Test Data

Horizontal Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Height	Degree
1	H	35.7491	32.73	peak	-4.49	28.24	40.00	-11.76	100	358
2	H	42.8998	41.71	peak	-9.53	32.18	40.00	-7.82	100	57
3	H	97.1148	37.96	peak	-11.57	26.39	43.50	-17.11	100	196
4	H	106.7587	40.35	peak	-9.60	30.75	43.50	-12.75	100	188
5	H	173.2051	42.16	peak	-9.36	32.80	43.50	-10.70	100	143
6	H	223.7334	40.01	peak	-8.95	31.06	46.00	-14.94	100	117

Above 1GHz

Test Mode:	Transmitting Mode

Low Channel (2402 MHz)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4804	38.85	AV	V	33.83	6.86	31.72	47.82	54	-6.18
4804	38.41	AV	H	33.83	6.86	31.72	47.38	54	-6.62
4804	48.29	PK	V	33.83	6.86	31.72	57.26	74	-16.74
4804	47.83	PK	H	33.83	6.86	31.72	56.8	74	-17.2
17813	24.53	AV	V	45.03	11.21	32.38	48.39	54	-5.61
17813	24.29	AV	H	45.03	11.21	32.38	48.15	54	-5.85
17813	40.91	PK	V	45.03	11.21	32.38	64.77	74	-9.23
17813	40.65	PK	H	45.03	11.21	32.38	64.51	74	-9.49

Middle Channel (2440 MHz)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4880	38.93	AV	V	33.86	6.82	31.82	47.79	54	-6.21
4880	38.55	AV	H	33.86	6.82	31.82	47.41	54	-6.59
4880	48.36	PK	V	33.86	6.82	31.82	57.22	74	-16.78
4880	47.92	PK	H	33.86	6.82	31.82	56.78	74	-17.22
17847	24.16	AV	V	45.15	11.18	32.41	48.08	54	-5.92
17847	24.02	AV	H	45.15	11.18	32.41	47.94	54	-6.06
17847	41.25	PK	V	45.15	11.18	32.41	65.17	74	-8.83
17847	40.79	PK	H	45.15	11.18	32.41	64.71	74	-9.29

High Channel (2480 MHz)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4960	38.67	AV	V	33.9	6.76	31.92	47.41	54	-6.59
4960	38.52	AV	H	33.9	6.76	31.92	47.26	54	-6.74
4960	48.33	PK	V	33.9	6.76	31.92	57.07	74	-16.93
4960	47.98	PK	H	33.9	6.76	31.92	56.72	74	-17.28
17819	24.72	AV	V	45.22	11.35	32.38	48.91	54	-5.09
17819	24.48	AV	H	45.22	11.35	32.38	48.67	54	-5.33
17819	41.35	PK	V	45.22	11.35	32.38	65.54	74	-8.46
17819	41.09	PK	H	45.22	11.35	32.38	65.28	74	-8.72

Note:

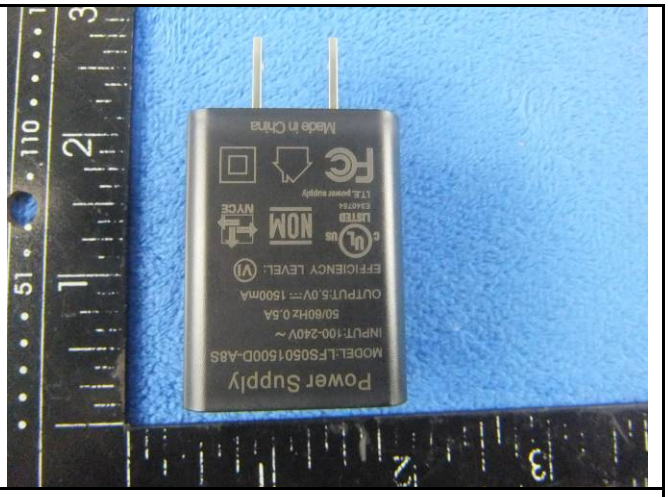
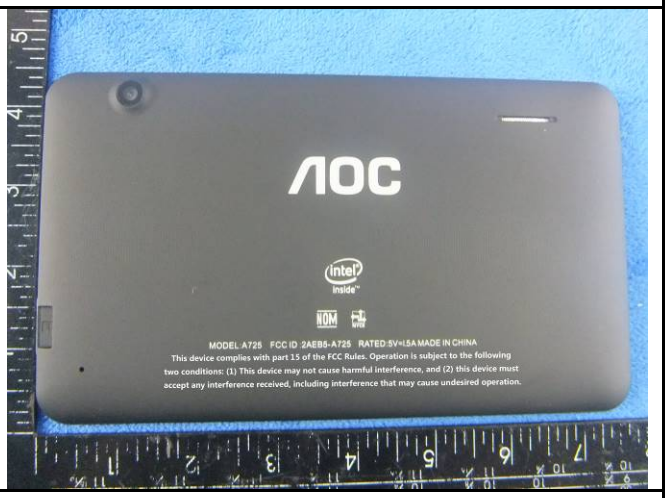
*1, The testing has been conformed to 10*2480MHz=24,800MHz*
2, All other emissions more than 30 dB below the limit
3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

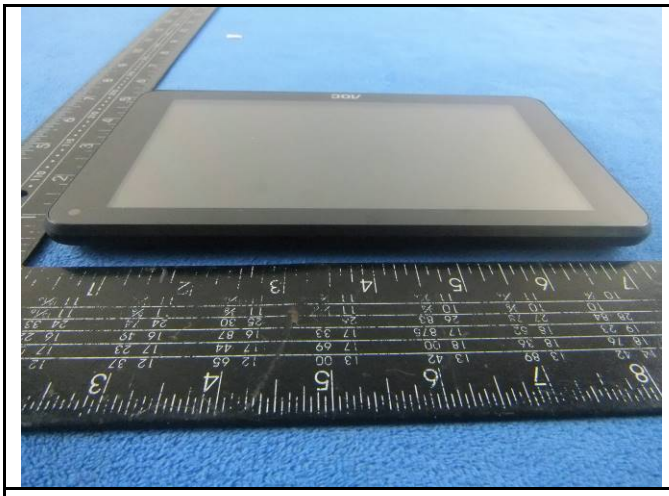
Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/17/2015	09/16/2016	☑
Line Impedance	LI-125A	191106	09/25/2015	09/24/2016	☑
Line Impedance	LI-125A	191107	09/25/2015	09/24/2016	☑
LISN	ISN T800	34373	09/25/2015	09/24/2016	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	☑
Transient Limiter	LIT-153	531118	09/01/2015	08/31/2016	☑
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/17/2015	09/16/2016	☑
Power Splitter	1#	1#	09/01/2015	08/31/2016	☑
DC Power Supply	E3640A	MY40004013	09/17/2015	09/16/2016	☑
Radiated Emissions					
EMI test receiver	ESL6	100262	09/17/2015	09/16/2016	☑
Positioning Controller	UC3000	MF780208282	11/19/2015	11/18/2016	☑
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/01/2015	08/31/2016	☑
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/24/2016	03/23/2017	☑
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/21/2015	09/20/2016	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	☑
Universal Radio Communication Tester	CMU200	121393	09/25/2015	09/24/2016	☑

Annex B. EUT And Test Setup Photographs

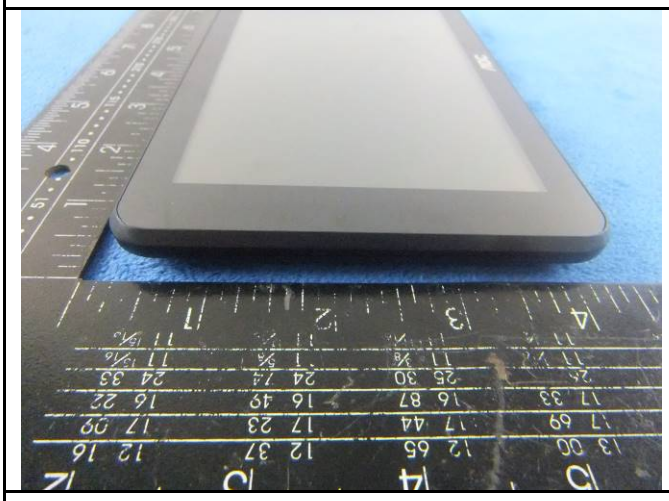
Annex B.i. Photograph: EUT External Photo

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Whole Package 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>

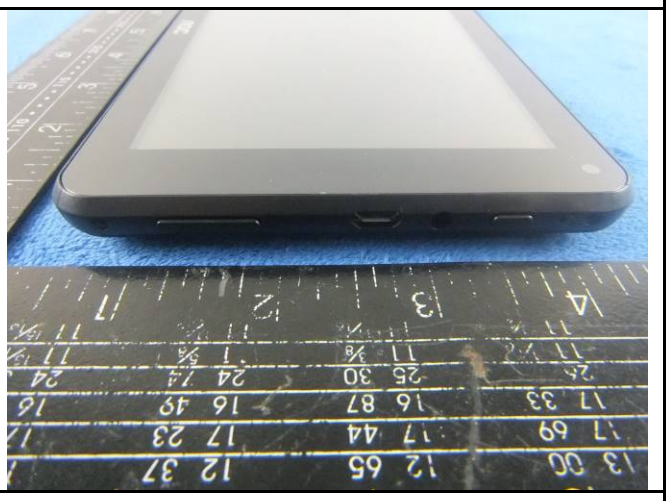


EUT - Top View

EUT - Bottom View



EUT - Left View



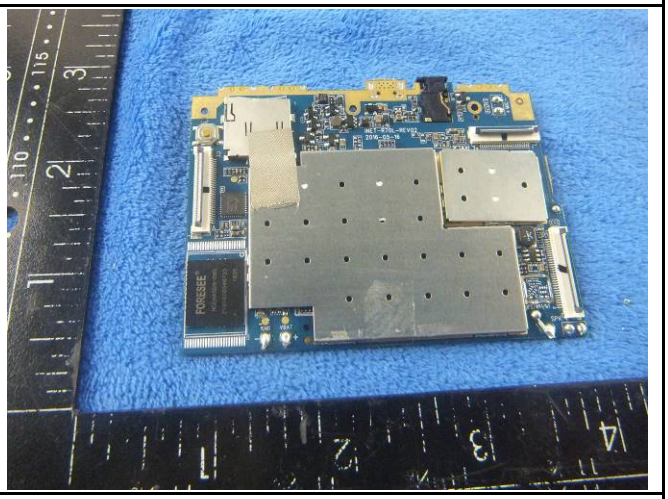
EUT - Right View

Annex B.ii. Photograph: EUT Internal Photo

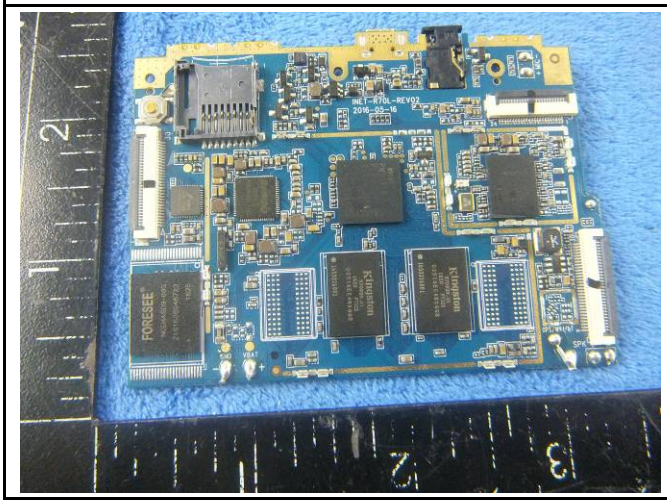
Cover Off - Top View 1

Battery - Front View

Battery - Rear View

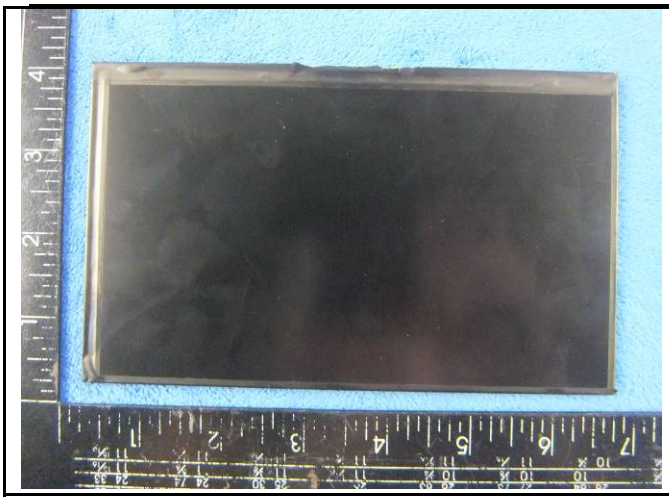


Mainboard with Shielding - Front View



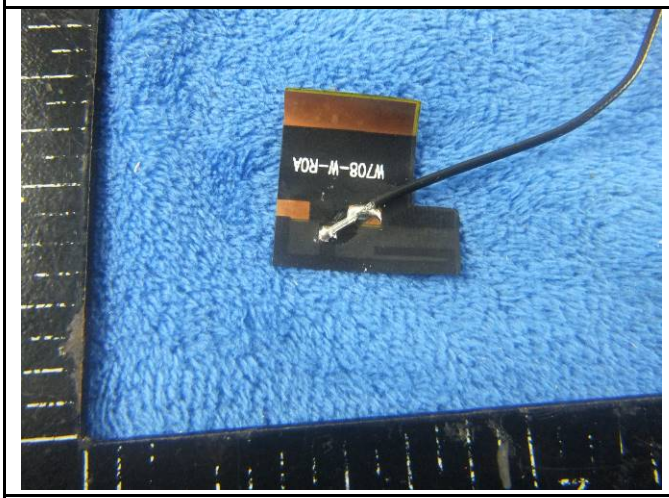
Mainboard without Shielding - Front View

Mainboard - Rear View



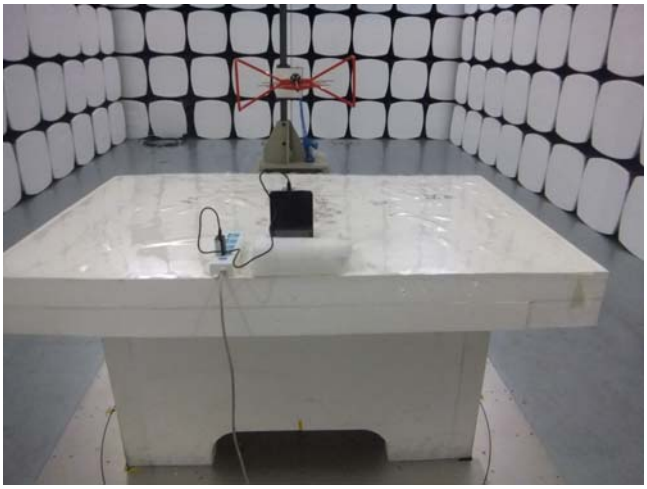
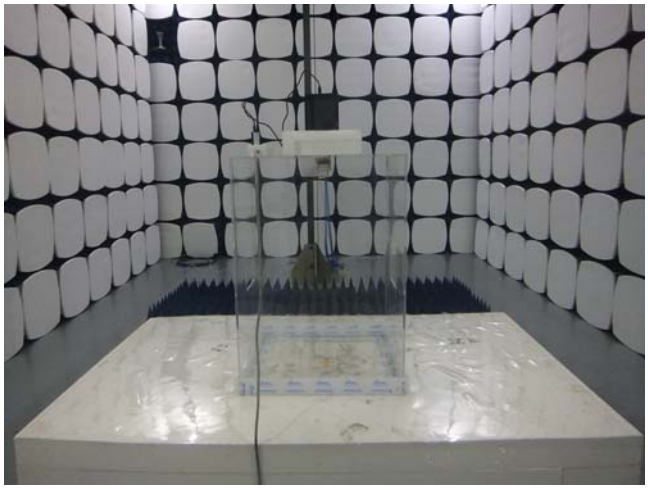
LCD – Front View

LCD – Rear View



BT Antenna View

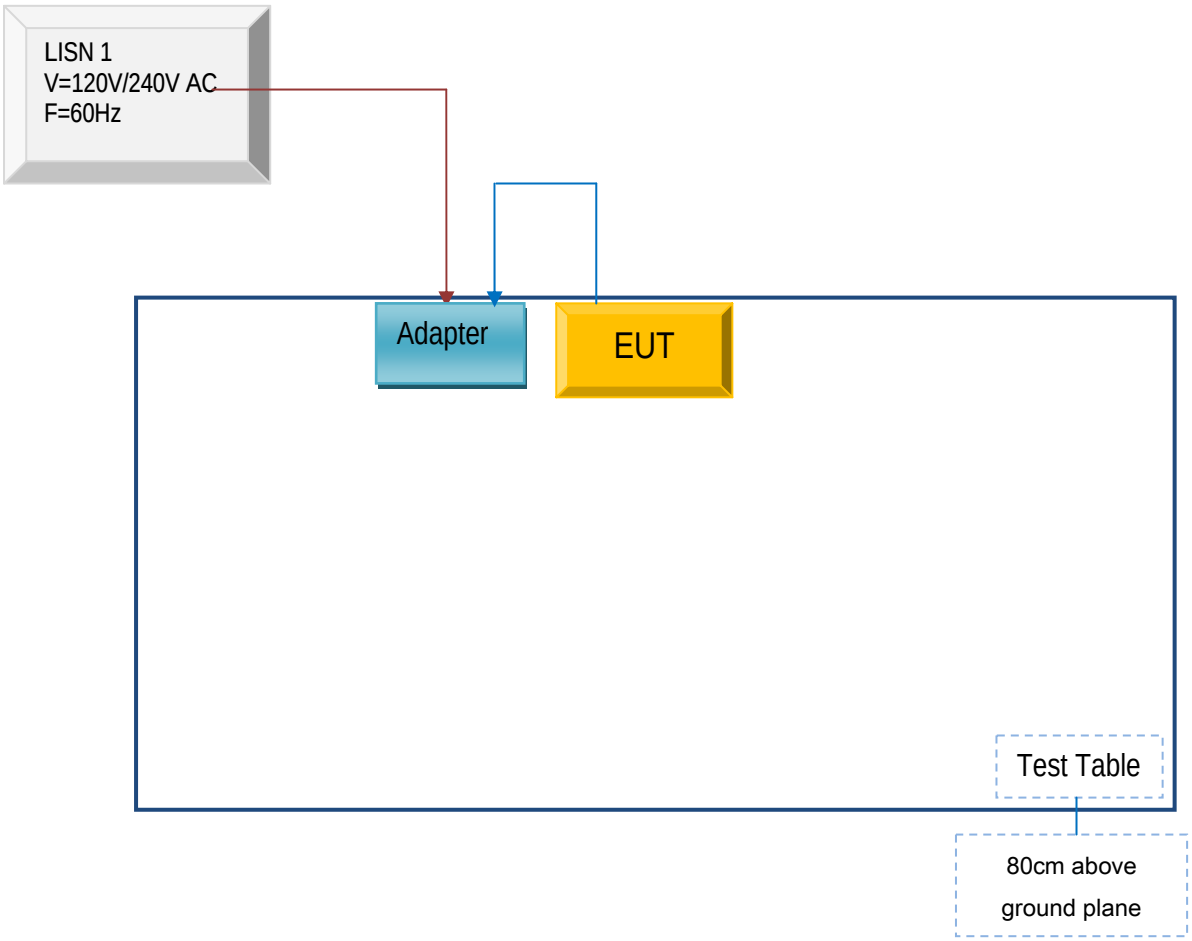
Annex B.iii. Photograph: Test Setup Photo

<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 Spurious Emissions Test Setup Below 1GHz</td><td>Radiated Spurious Emissions Test Setup Above 1GHz</td></tr>
</table>

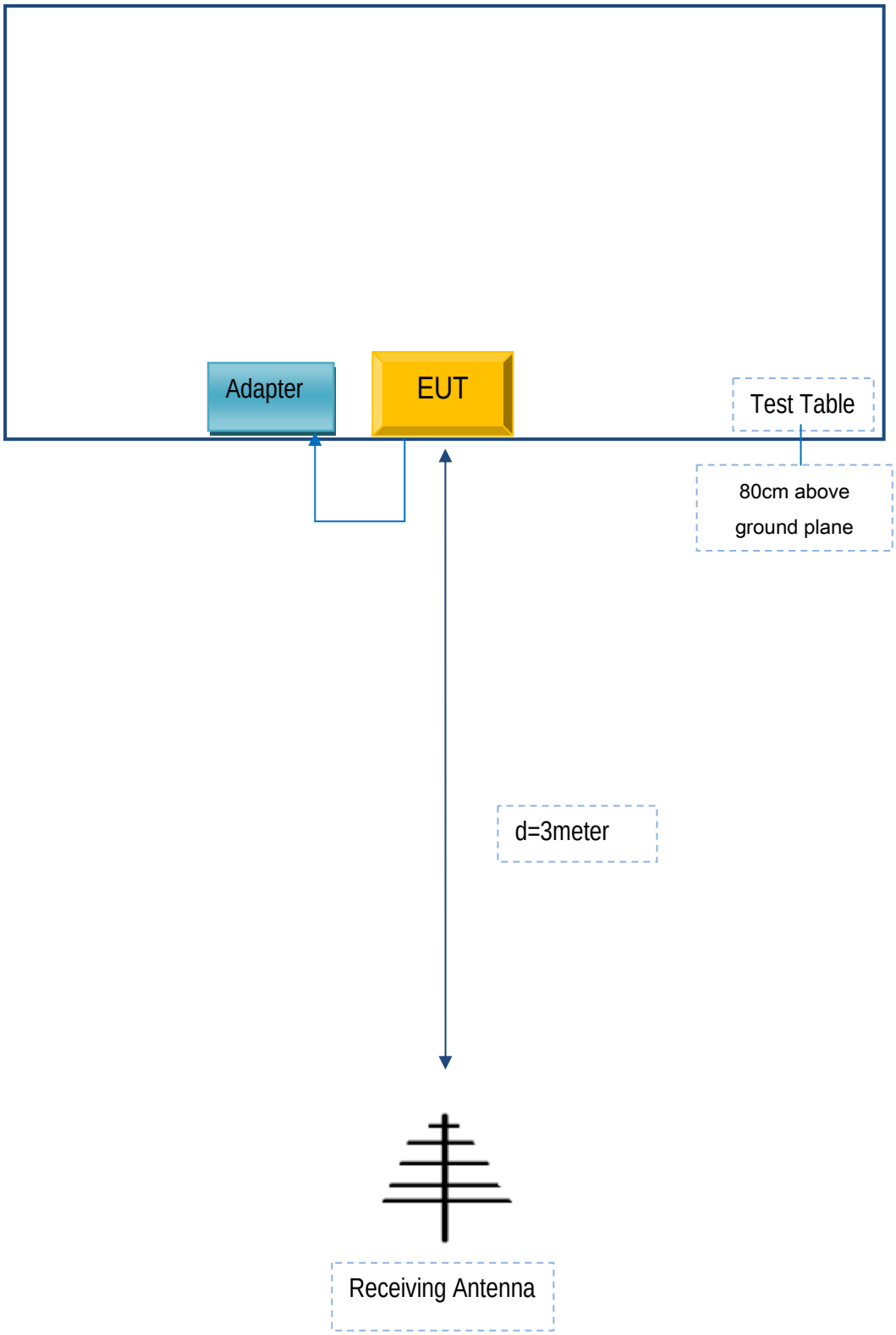
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

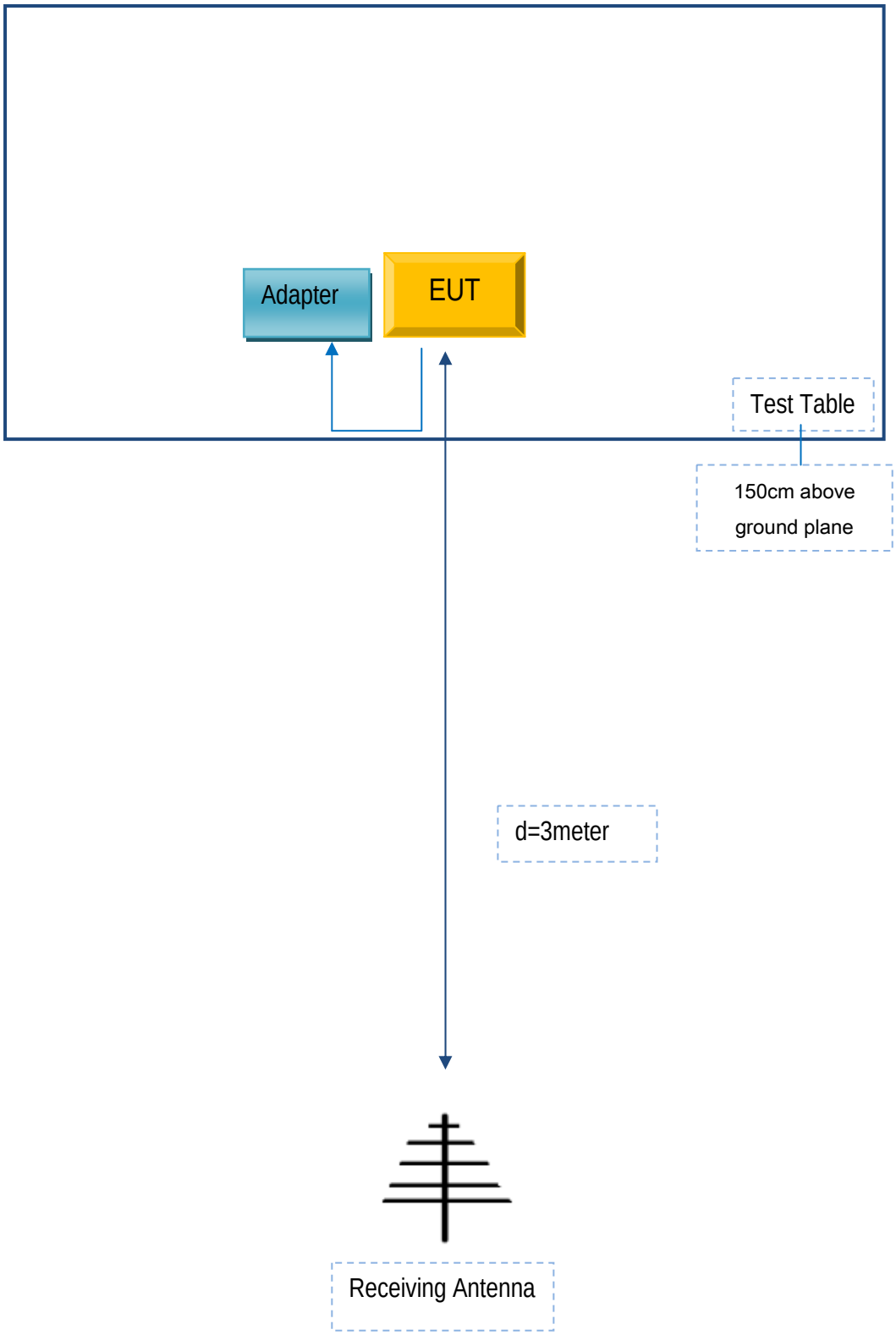
Block Configuration Diagram for AC Line Conducted Emissions



Block Configuration Diagram for Radiated Emissions （ Below 1GHz ）.



Block Configuration Diagram for Radiated Emissions （Above 1GHz）.



Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

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

Supporting Equipment:

Manufacturer	Equipment Description	Model	Serial No
AOC	Adapter	LFS0501500D-A8S	A8S

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	A8S

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

Please see attachment

Annex E. DECLARATION OF SIMILARITY

AOC

To: SIEMIC,775MontagueExpressway,Milpitas,CA95035,USA

Declaration Letter

Dear Sir,

For our business issue and marketing requirement, we would like to list 9model numbers on the FCC certificates and reports, as following:

Model No.: A725, A721,A722,A723,A724,A726,A727,A728,A729
We declare that, all the model PCB, Antenna and Appearance shape, accessories are the same. The difference of these is listed as below:

Main Model No	Serial Model No	Differenc
A725	A721,A722,A723,A724,A726,A727,A728,A729	Different model name

Thank you!

Signature:

Carol Sung

Printed name/title: Carol Sung
Address: 14F-5, NO.258, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan