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	3,A729	
Test Standard	FCC Part 1	5.247: 2015, ANSI C63.10: 2	013	
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				
Loven	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, Sat		
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		
Zone A, Floor 1, Building 2 Wan Ye Long Technology Park Lab Address South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong			
			518108
FCC Test Site No.	718246		
IC Test Site No.	4842E-1		
Test Software	Radiated Emission Program-To Shenzhen v2.0		



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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

802.11b/g/n: DSSS, OFDM

Type of Modulation: Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK

WIFI: 802.11b/g/n(20M): 2412-2472 MHz RF Operating Frequency (ies):

Bluetooth& BLE: 2402-2480 MHz

Max. Output Power: -3.336dBm

WIFI:802.11b/g/n(20M): 13CH

Number of Channels: Bluetooth: 79CH

BLE: 40CH

Port: Earphone Port, USB Port, SD Card Port

Trade Name : AOC



Input Power:

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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



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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	Compliance
	Frequency Bands	
§15.207 (a),	AC Power Line Conducted Emissions Complian	
§15.205, §15.209,	Radiated Spurious Emissions & Unwanted Emissions	Compliance
§15.247(d)	into Restricted Frequency Bands	

Measurement Uncertainty

Emissions			
Test Item Description Uncertain			
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	
-	-	-	



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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.



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6.2 DTS (6 dB) Channel Bandwidth

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

Spec	Item	Item Requirement Applicat			
§ 15.247(a)(2)	a)	a) 6dB BW≥ 500kHz;			
RSS Gen(4.6.1)	b)	99% BW: For FCC reference only; required by IC.	V		
Test Setup	Spectrum Analyzer EUT				
Test Procedure	Spectrum Analyzer 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	Pa	ss Fail			

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



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6dB Bandwidth measurement result

Test Data

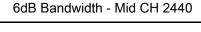
СН	Frequency (MHz)	6dB Bandwidth (kHz)	99% Occupied Bandwidth (MHz)
Low	2402	684.9	1.0238
Mid	2440	683.0	1.0248
High	2480	683.4	1.0270

Test Plots





6dB Bandwidth - Low CH 2402





6dB Bandwidth - High CH 2480



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6.3 Maximum Output Power

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

Requirement(s):

Spec	Item	Requirement	Applicable			
	a)	FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt				
	b)	b) FHSS in 5725-5850MHz: ≤ 1 Watt				
§15.247(b) (3),RSS210	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt.				
(A8.4)	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt				
(7.65.1)	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					
	558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method					
	Maximum output power measurement procedure					
	a) Set the RBW ≥ DTS bandwidth.					
- 1	,	BW≥ 3×RBW.				
Test	c) Set span ≥ 3 x RBW					
Procedure	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	Pas	s Fail				



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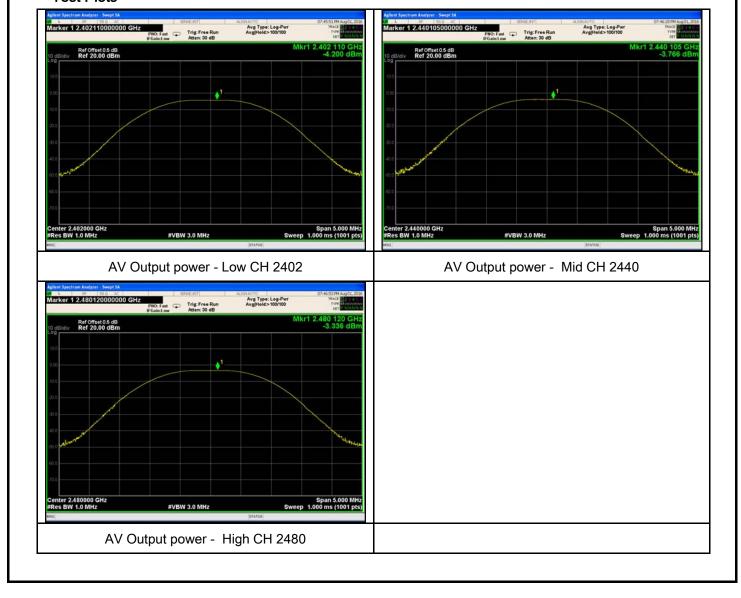
Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}

Output Power measurement result

Test Data

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

Test Plots





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6.4 Power Spectral Density

Temperature	23°C
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.	V
Test Setup		Spectrum Analyzer EUT	
Test Procedure		D01 DTS MEAS Guidance v03r03, 10.2 power spectral density met pectral 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 the RBW. j) If measured value exceeds limit, reduce RBW (no less than 3 kHz)	de level within
Remark			
Result	Pas	ss Fail	

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



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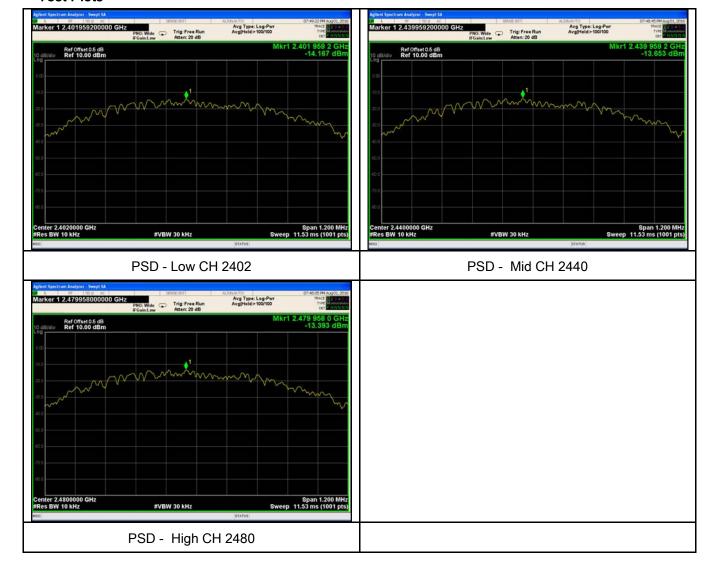
Power Spectral Density measurement result

Test Data

Туре	СН	Freq (MHz)	Reading (dBm)	Factor (dB)	Result (dBm)	Limit (dBm)	Result
	Low	2402	-14.167	-5.23	-19.397	8	Pass
PSD	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





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6.5 Band-Edge & Unwanted Emissions into Restricted Frequency Bands

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

Requirement(s):

Spec	Item	Requirement Applicable	
§15.247(d)	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.		N. C.
Test Setup		Ant. Tower Support Units Turn Table Ground Plane Test Receiver	e
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.		



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	- 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

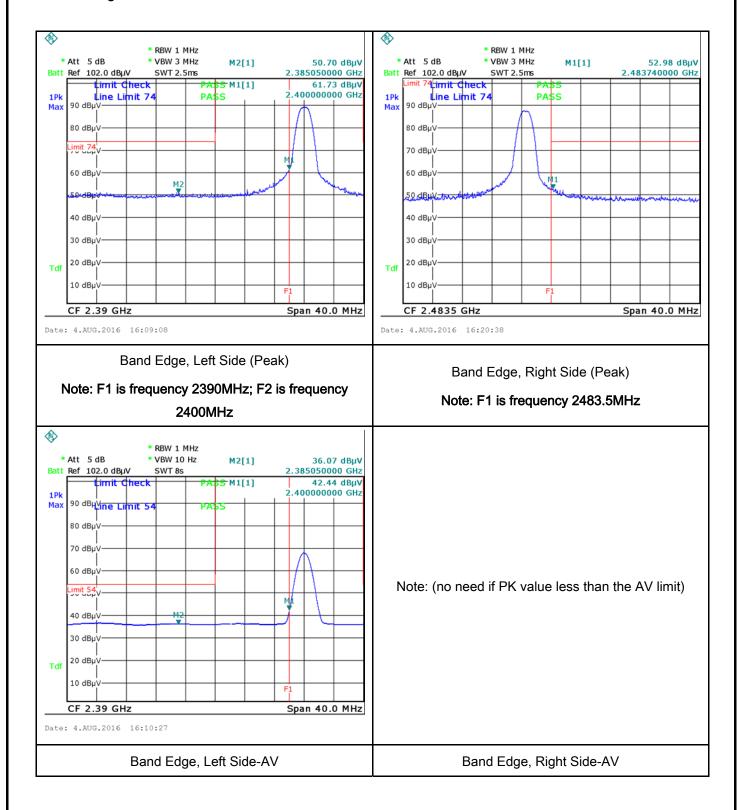


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Radiated method:

Test Plots

Band Edge measurement result





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6.6 AC Power Line Conducted Emissions

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

Requirement(s):

Spec	Item	Requirement		Applicable
47CFR§15. 207, RSS210 (A8.1)	a)	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. Frequency ranges Limit (dB μ V) (MHz) QP Average 0.15 ~ 0.5 66 - 56 56 - 46 0.5 ~ 5 60 50		
Test Setup Vertical Ground Reference Plane				
Procedure	 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. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss 			



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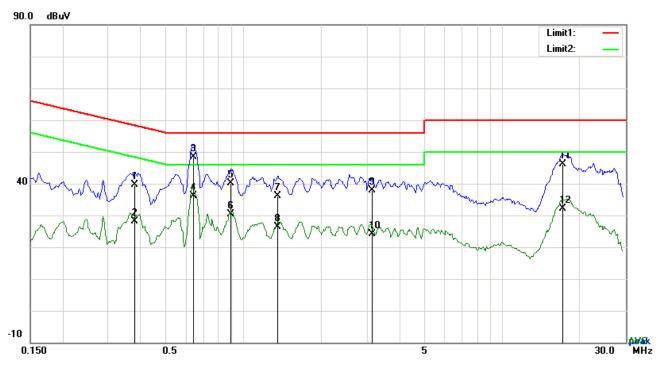
	coaxial cable.
	4. All other supporting equipment were powered separately from another main supply.
	5. The EUT was switched on and allowed to warm up to its normal operating condition.
	6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power)
	over the required frequency range 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}



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Test Mode: Transmitting Mode



Test Data

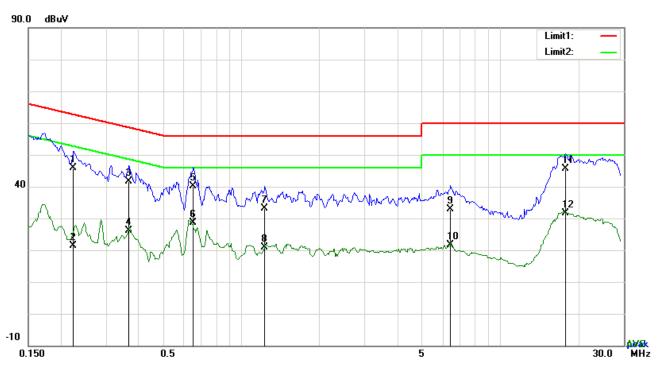
Phase Line Plot at 120Vac, 60Hz

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



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Test Mode: Transmitting Mode



Test Data

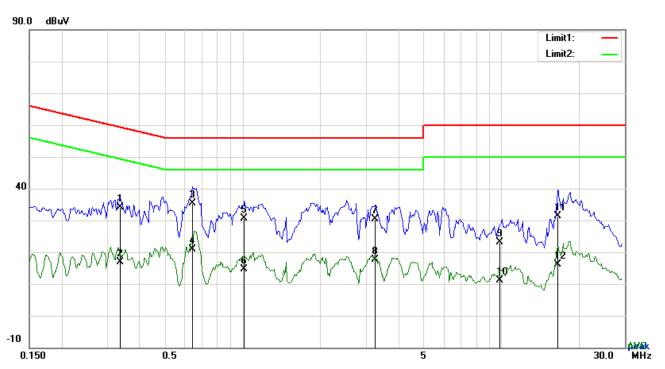
Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result	Limit (dBµV)	Margin (dB)
		(IVITIZ)	(ασμν)		(ub)	(dBµV)	(ubµv)	(UD)
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	Ν	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	Ν	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



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Test Mode:	Transmitting Mode



Test Data

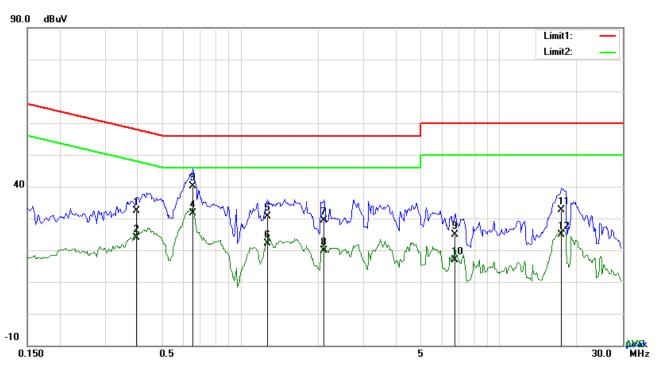
Phase Line Plot at 240Vac, 60Hz

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



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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



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6.7 Radiated Spurious Emissions & Restricted Band

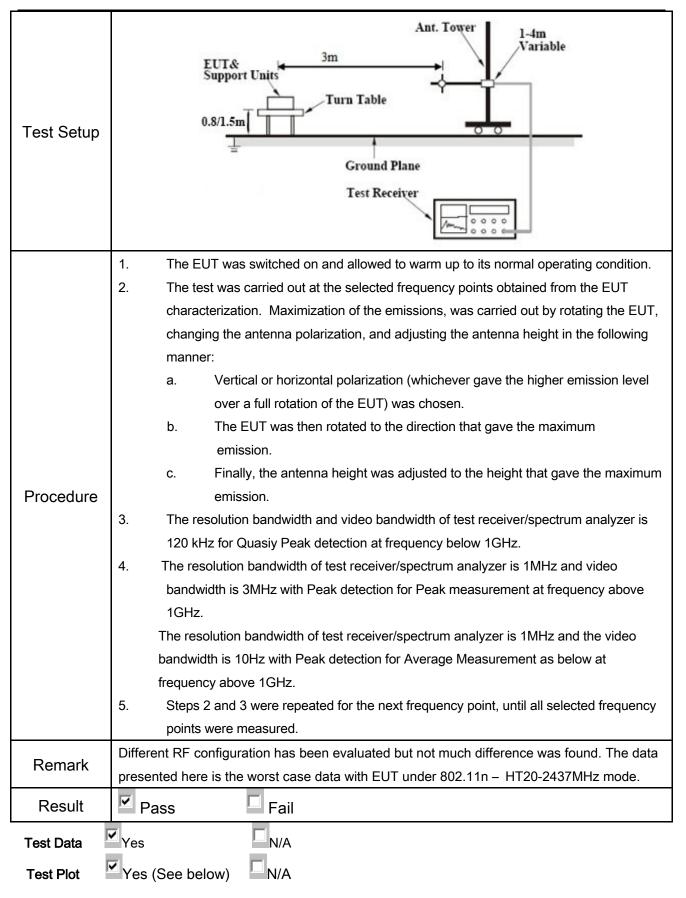
Temperature	23°C
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	August 03, 2016
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement		Applicable
	a)	Except higher limit as specified else emissions from the low-power radionacced the field strength levels sputhelevel of any unwanted emission the fundamental emission. The tignedges	Z	
	(a)	Frequency range (MHz)	Field Strength (µV/m)	_
		30 - 88	100	
		88 – 216	150	
47CFR§15.		216 960	200	
247(d),		Above 960	500	
RSS210		For non-restricted band, In any 10		
		frequency band in which the sprea	>	
(A8.5)		modulated intentional radiator is o		
		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		
	b)			
		band that contains the highest leve		
		determined by the measurement n		
		used. Attenuation below the gener		
		is not required		
		20 dB down 30	dB down	
	c)	or restricted band, emission must	also comply with the radiated	D.
	C)	emission limits specified in 15.209		•



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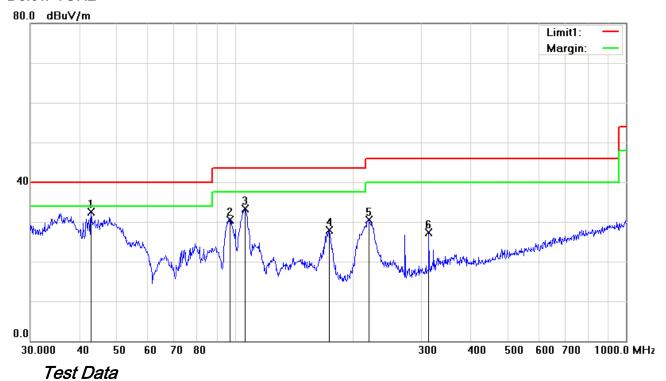




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Test Mode: Transmitting Mode

Below 1GHz



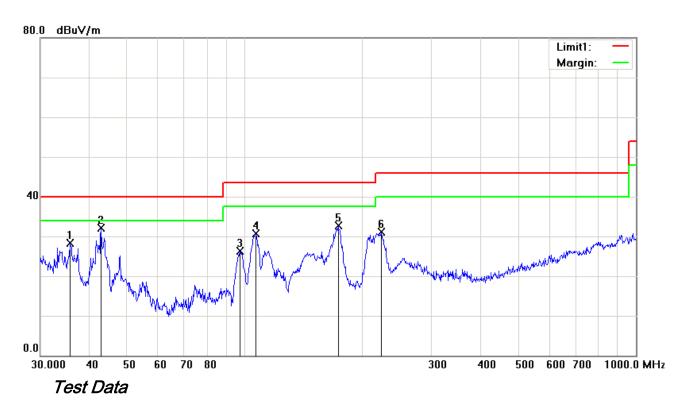
Vertical Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dBµV)	Detec tor	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	٧	97.1148	42.17	peak	-11.57	30.60	43.50	-12.90	100	235
3	٧	106.3850	42.88	peak	-9.66	33.22	43.50	-10.28	100	242
4	٧	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



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Below 1GHz



Horizontal Polarity Plot @3m

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



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Above 1GHz

Test Mode:	Transmitting Mode
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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	Н	33.83	6.86	31.72	47.38	54	-6.62
4804	48.29	PK	٧	33.83	6.86	31.72	57.26	74	-16.74
4804	47.83	PK	Н	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	Н	45.03	11.21	32.38	48.15	54	-5.85
17813	40.91	PK	٧	45.03	11.21	32.38	64.77	74	-9.23
17813	40.65	PK	Н	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	Н	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	Н	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	Н	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	Н	45.15	11.18	32.41	64.71	74	-9.29



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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	Н	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	Н	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	Н	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	Н	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.



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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	<u><</u>
Line Impedance	LI-125A	191106	09/25/2015	09/24/2016	<u> </u>
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	<u><</u>
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	<u><</u>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/21/2015	09/20/2016	<u><</u>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	V
Universal Radio Communication Tester	CMU200	121393	09/25/2015	09/24/2016	V



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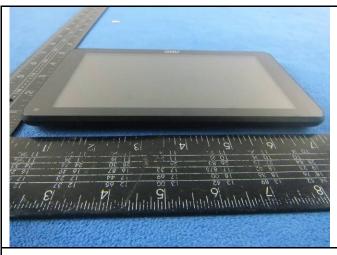
Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo





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EUT - Top View

EUT - Bottom View



EUT - Left View



EUT - Right View



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Annex B.ii. Photograph: EUT Internal Photo

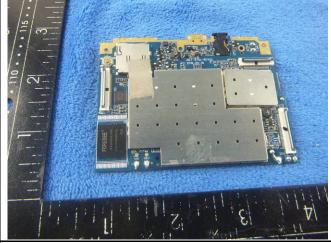


Cover Off - Top View 1

Battery - Front View



Battery - Rear View



Mainboard with Shielding - Front View



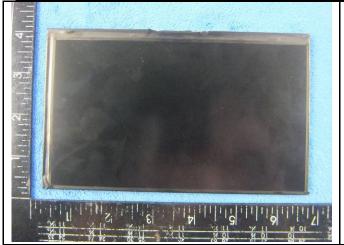
Mainboard without Shielding - Front View



Mainboard - Rear View



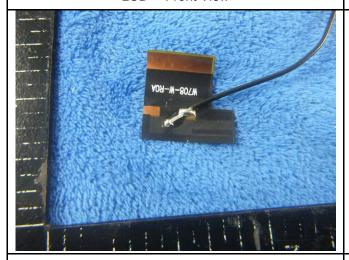
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LCD - Front View

LCD - Rear View



BT Antenna View



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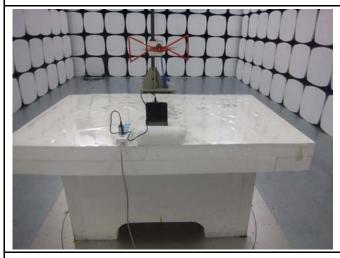
Annex B.iii. Photograph: Test Setup Photo



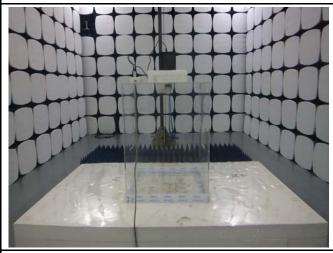
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz



Radiated Spurious Emissions Test Setup Above 1GHz

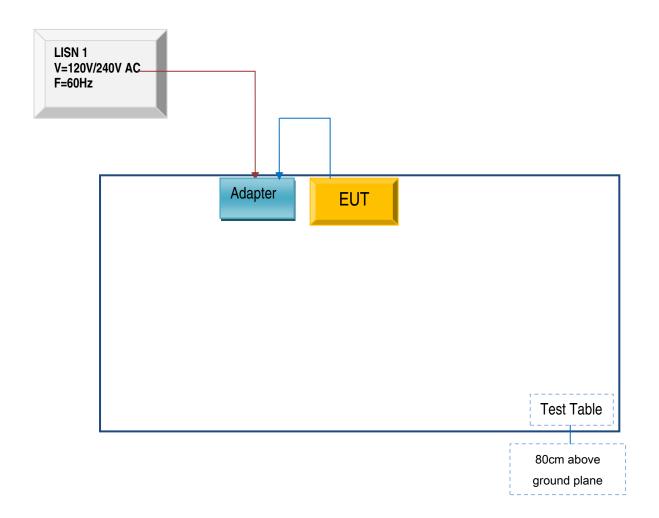


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

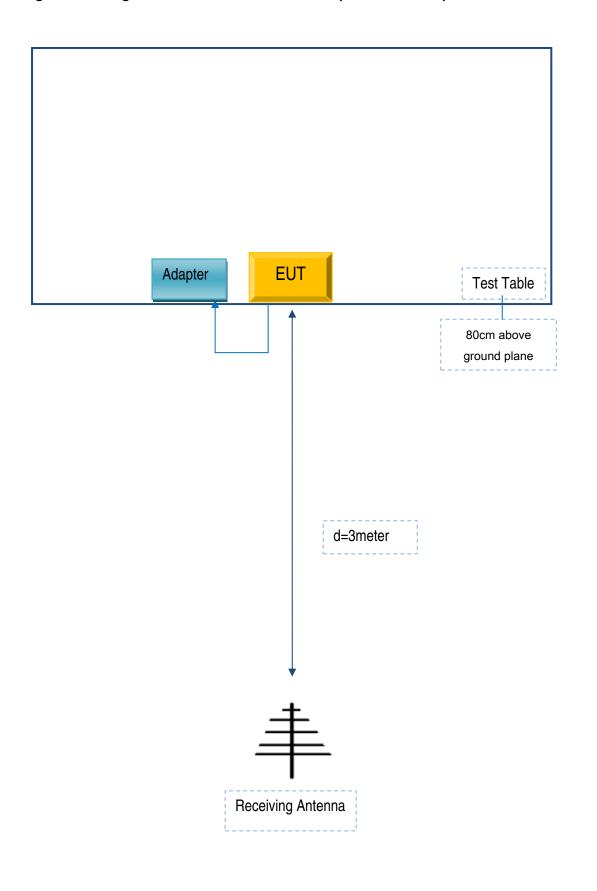
Block Configuration Diagram for AC Line Conducted Emissions





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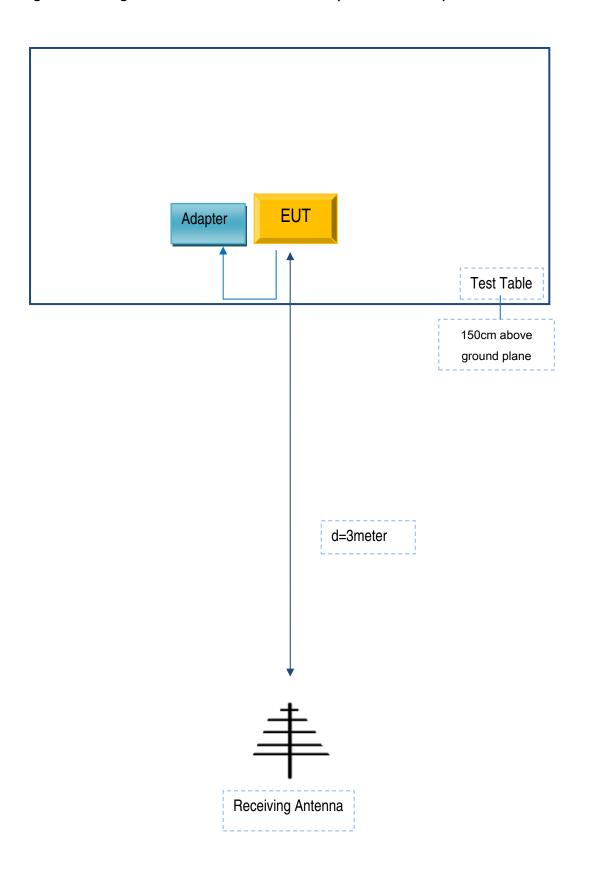
Block Configuration Diagram for Radiated Emissions (Below 1GHz).





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





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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



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

Please see attachment



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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:

Printed name/title: Carol Sung

Cerrl Surg

Address: 14F-5, NO.258, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan