

EMC TEST REPORT



Report No.: 17070251-FCC-E V1

Supersede Report No.:N/A

Applicant	AOC	
Product Name	Tablet PC	
Model No.	A726	
Serial No.	N/A	
Test Standard	FCC Part 15 Subpart B Class B:2016, ANSI C63.4: 2014	
Test Date	April 02 to 12, 2017	
Issue Date	April 18, 2017	
Test Result	☒ Pass ☐ Fail	
Equipment complied with the specification ☒		
Equipment did not comply with the specification ☐		
<i>Evans He</i>	<i>David Huang</i>	
Evans He Test Engineer	David Huang Checked By	
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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
17070251-FCC-E	NONE	Original	April 13, 2017
17070251-FCC-E V1	V1	Change the internal photos	April 18, 2017

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 of Radiated Emission	Radiated Emission Program-To Shenzhen v2.0
Test Software of Conducted Emission	EZ-EMC(ver.lcp-03A1)

4. Equipment under Test (EUT) Information

Description of EUT:	Tablet PC
Main Model:	A726
Serial Model:	N/A
Antenna Gain:	Bluetooth/WIFI: 2dBi
Antenna Type:	PIFA antenna
Input Power:	Adapter: Model: SC/5WM500100-US Input: AC 100-240V~50/60Hz;0.4A Output: DC 5.0V,1000mA Battery: Spec: 3.7V,2500mAh(9.25Wh)
Equipment Category :	JBC
Type of Modulation:	802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, π /4DQPSK, 8DPSK
RF Operating Frequency (ies):	WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n (40M) : 2422-2452 MHz Bluetooth: 2402-2480 MHz
Number of Channels:	WIFI :802.11b/g/n(20M): 11CH WIFI :802.11n(40M): 7CH Bluetooth: 79CH
Port:	Earphone Port, USB Port , SD Card Port
Trade Name :	AOC
FCC ID:	2AEB5-A726
Date EUT received:	April 01, 2017

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Test Date(s): April 02 to 12, 2017

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
-	-	-

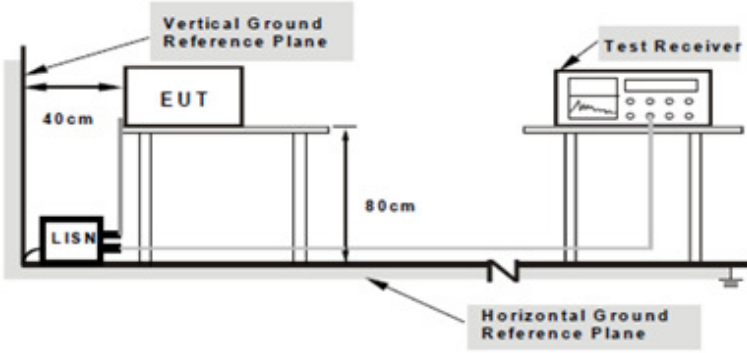
6. Measurements, Examination And Derived Results

6.1 AC Power Line Conducted Emissions

Temperature	24°C
Relative Humidity	55%
Atmospheric Pressure	1013mbar
Test date :	April 12, 2017
Tested By :	Evans He

Requirement(s):

Spec	Item	Requirement	Applicable		
47CFR§15.107	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 (MHz)		Limit (dBµV)	
				QP	Average
		0.15 ~ 0.5		66 – 56	56 – 46
		0.5 ~ 5		56	46
		5 ~ 30	60	50	

Test Setup	 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.
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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 50Ω /50mH EUT LISN, connected to filtered mains.
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	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

Screen 1& Screen 2

Test Mode 1:	USB Mode
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Test Mode 2:	MP4 Mode
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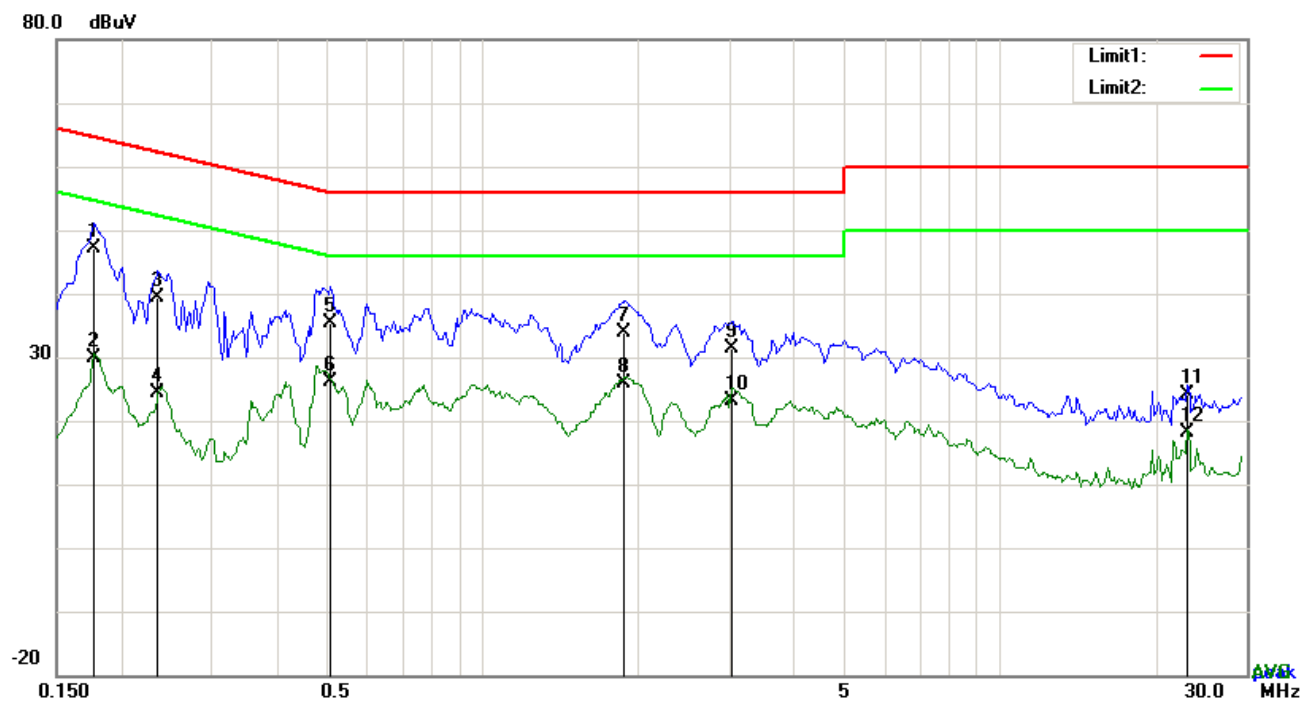
Test Mode 3:	Camera Mode
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Test Mode 4:	SD Card Mode
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All modes were investigated. The results only show the worst case as below.

Screen 1 :

Test Mode 2: MP4 Mode

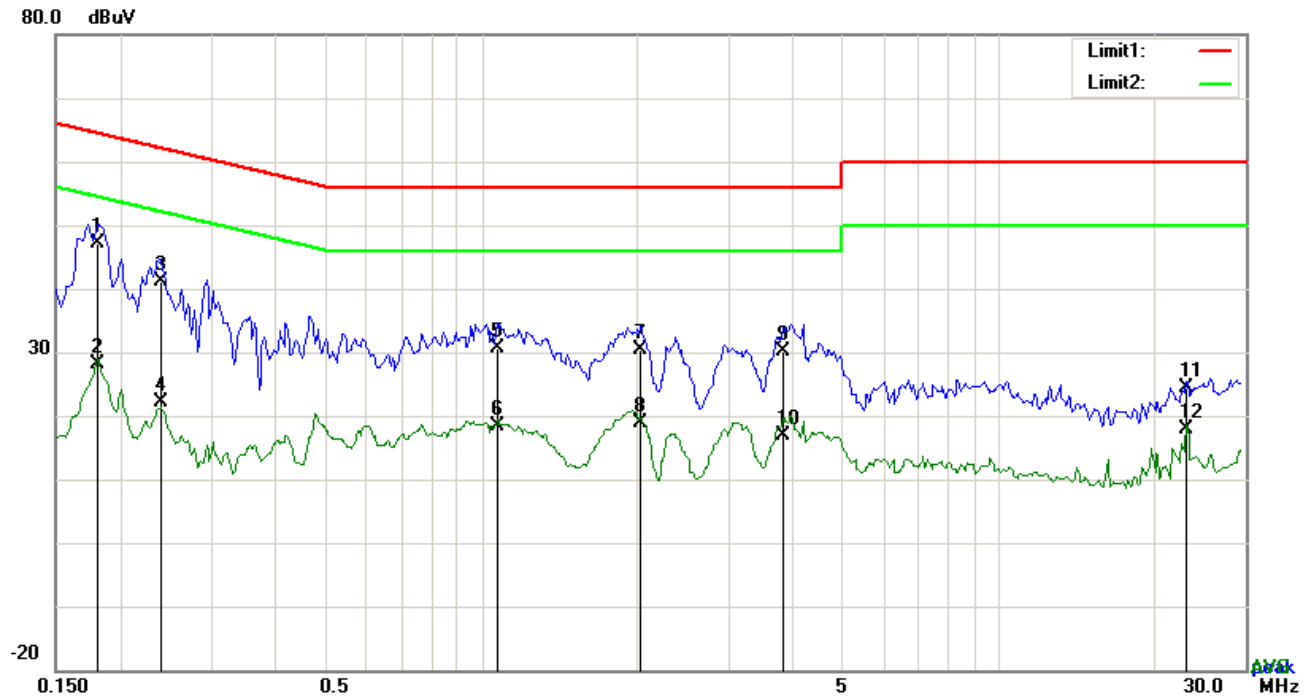


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.1773	37.05	QP	10.03	47.08	64.61	-17.53
2	L1	0.1773	19.91	AVG	10.03	29.94	54.61	-24.67
3	L1	0.2358	29.37	QP	10.03	39.40	62.24	-22.84
4	L1	0.2358	14.34	AVG	10.03	24.37	52.24	-27.87
5	L1	0.5088	25.35	QP	10.03	35.38	56.00	-20.62
6	L1	0.5088	16.07	AVG	10.03	26.10	46.00	-19.90
7	L1	1.8855	23.88	QP	10.04	33.92	56.00	-22.08
8	L1	1.8855	15.85	AVG	10.04	25.89	46.00	-20.11
9	L1	3.0312	21.41	QP	10.06	31.47	56.00	-24.53
10	L1	3.0312	13.05	AVG	10.06	23.11	46.00	-22.89
11	L1	23.1318	13.67	QP	10.36	24.03	60.00	-35.97
12	L1	23.1318	7.77	AVG	10.36	18.13	50.00	-31.87

Test Mode 2:	MP4 Mode
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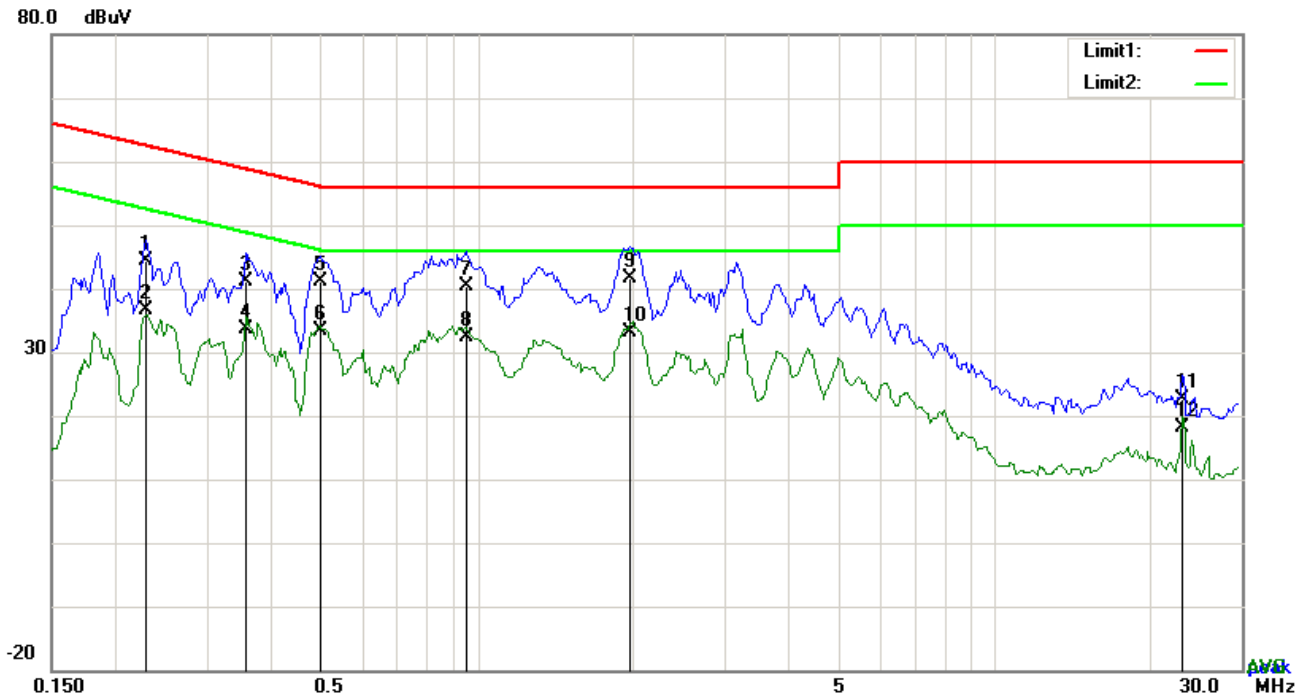


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.1812	37.18	QP	10.02	47.20	64.43	-17.23
2	N	0.1812	18.17	AVG	10.02	28.19	54.43	-26.24
3	N	0.2397	31.02	QP	10.02	41.04	62.11	-21.07
4	N	0.2397	12.17	AVG	10.02	22.19	52.11	-29.92
5	N	1.0743	20.65	QP	10.03	30.68	56.00	-25.32
6	N	1.0743	8.31	AVG	10.03	18.34	46.00	-27.66
7	N	2.0298	20.45	QP	10.04	30.49	56.00	-25.51
8	N	2.0298	8.81	AVG	10.04	18.85	46.00	-27.15
9	N	3.8307	20.08	QP	10.06	30.14	56.00	-25.86
10	N	3.8307	6.89	AVG	10.06	16.95	46.00	-29.05
11	N	23.1279	14.10	QP	10.31	24.41	60.00	-35.59
12	N	23.1279	7.55	AVG	10.31	17.86	50.00	-32.14

Test Mode 2:	MP4 Mode
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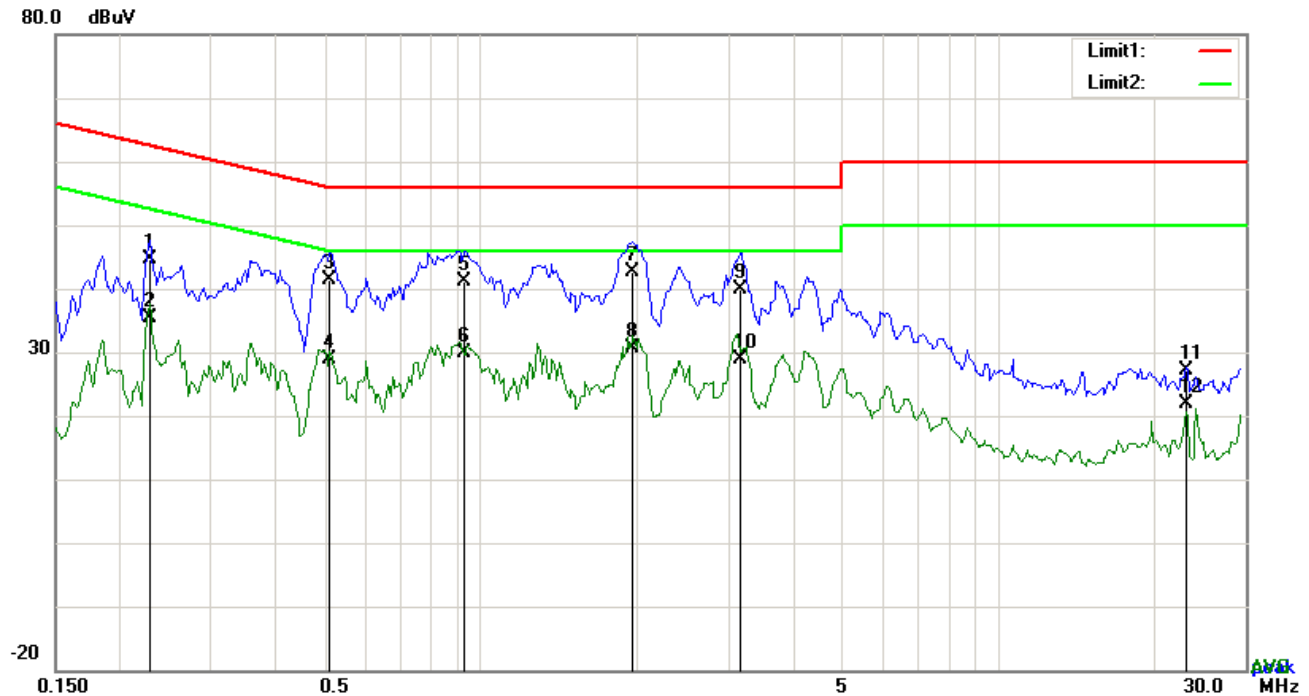


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.2280	34.41	QP	10.03	44.44	62.52	-18.08
2	L1	0.2280	26.49	AVG	10.03	36.52	52.52	-16.00
3	L1	0.3567	30.98	QP	10.03	41.01	58.80	-17.79
4	L1	0.3567	23.51	AVG	10.03	33.54	48.80	-15.26
5	L1	0.4971	31.17	QP	10.03	41.20	56.05	-14.85
6	L1	0.4971	23.36	AVG	10.03	33.39	46.05	-12.66
7	L1	0.9495	30.35	QP	10.03	40.38	56.00	-15.62
8	L1	0.9495	22.36	AVG	10.03	32.39	46.00	-13.61
9	L1	1.9713	31.61	QP	10.04	41.65	56.00	-14.35
10	L1	1.9713	23.02	AVG	10.04	33.06	46.00	-12.94
11	L1	23.1279	12.35	QP	10.36	22.71	60.00	-37.29
12	L1	23.1279	7.84	AVG	10.36	18.20	50.00	-31.80

Test Mode 2: MP4 Mode



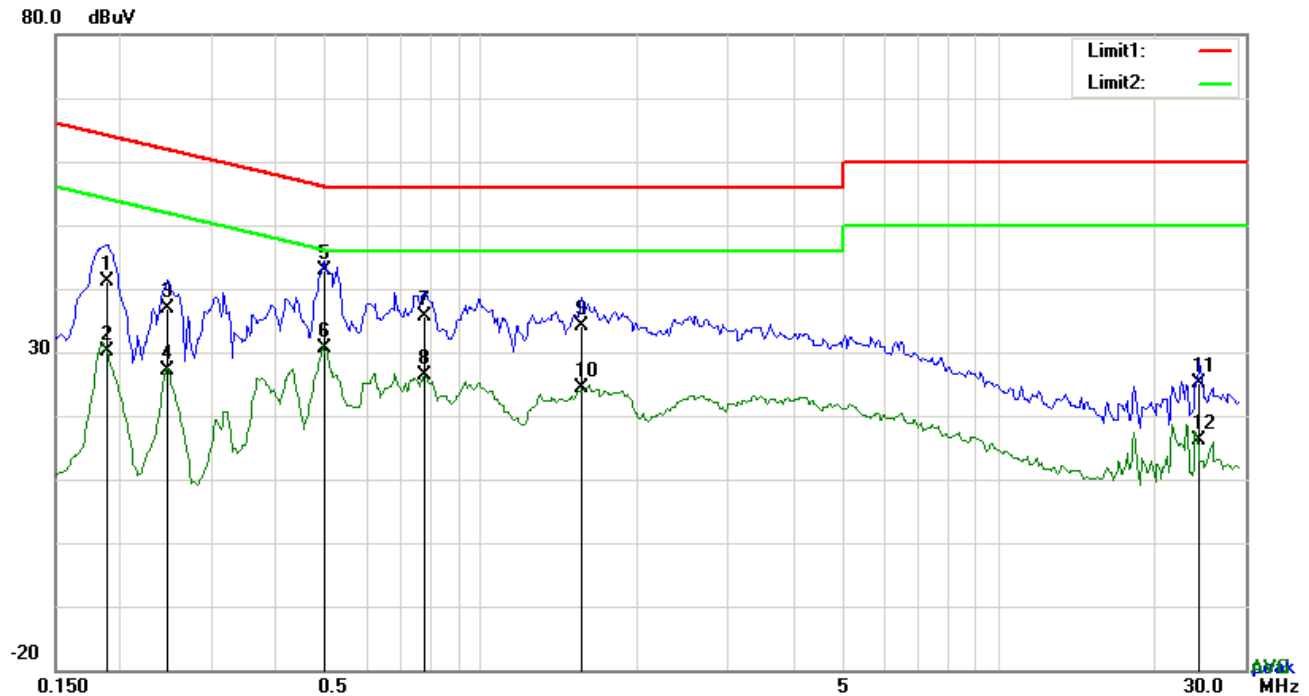
Test Data

Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.2280	34.68	QP	10.02	44.70	62.52	-17.82
2	N	0.2280	25.44	AVG	10.02	35.46	52.52	-17.06
3	N	0.5088	31.35	QP	10.02	41.37	56.00	-14.63
4	N	0.5088	18.82	AVG	10.02	28.84	46.00	-17.16
5	N	0.9261	31.19	QP	10.03	41.22	56.00	-14.78
6	N	0.9261	19.73	AVG	10.03	29.76	46.00	-16.24
7	N	1.9596	32.57	QP	10.04	42.61	56.00	-13.39
8	N	1.9596	20.67	AVG	10.04	30.71	46.00	-15.29
9	N	3.1716	29.75	QP	10.05	39.80	56.00	-16.20
10	N	3.1716	18.93	AVG	10.05	28.98	46.00	-17.02
11	N	23.1279	16.89	QP	10.31	27.20	60.00	-32.80
12	N	23.1279	11.50	AVG	10.31	21.81	50.00	-28.19

Screen 2 :

Test Mode 2: MP4 Mode

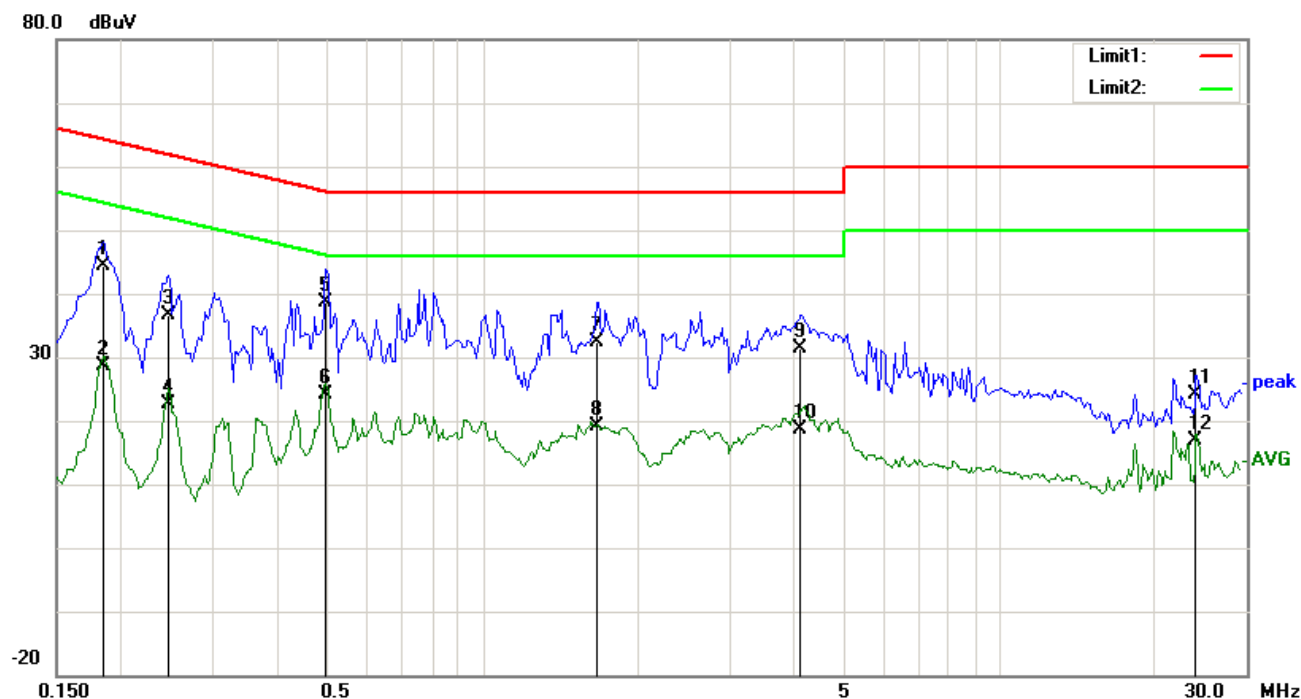


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.1890	31.14	QP	10.03	41.17	64.08	-22.91
2	L1	0.1890	19.99	AVG	10.03	30.02	54.08	-24.06
3	L1	0.2475	26.83	QP	10.03	36.86	61.84	-24.98
4	L1	0.2475	17.19	AVG	10.03	27.22	51.84	-24.62
5	L1	0.4971	32.83	QP	10.03	42.86	56.05	-13.19
6	L1	0.4971	20.59	AVG	10.03	30.62	46.05	-15.43
7	L1	0.7779	25.58	QP	10.03	35.61	56.00	-20.39
8	L1	0.7779	16.34	AVG	10.03	26.37	46.00	-19.63
9	L1	1.5618	24.06	QP	10.04	34.10	56.00	-21.90
10	L1	1.5618	14.44	AVG	10.04	24.48	46.00	-21.52
11	L1	24.4500	14.78	QP	10.38	25.16	60.00	-34.84
12	L1	24.4500	5.81	AVG	10.38	16.19	50.00	-33.81

Test Mode 2: MP4 Mode

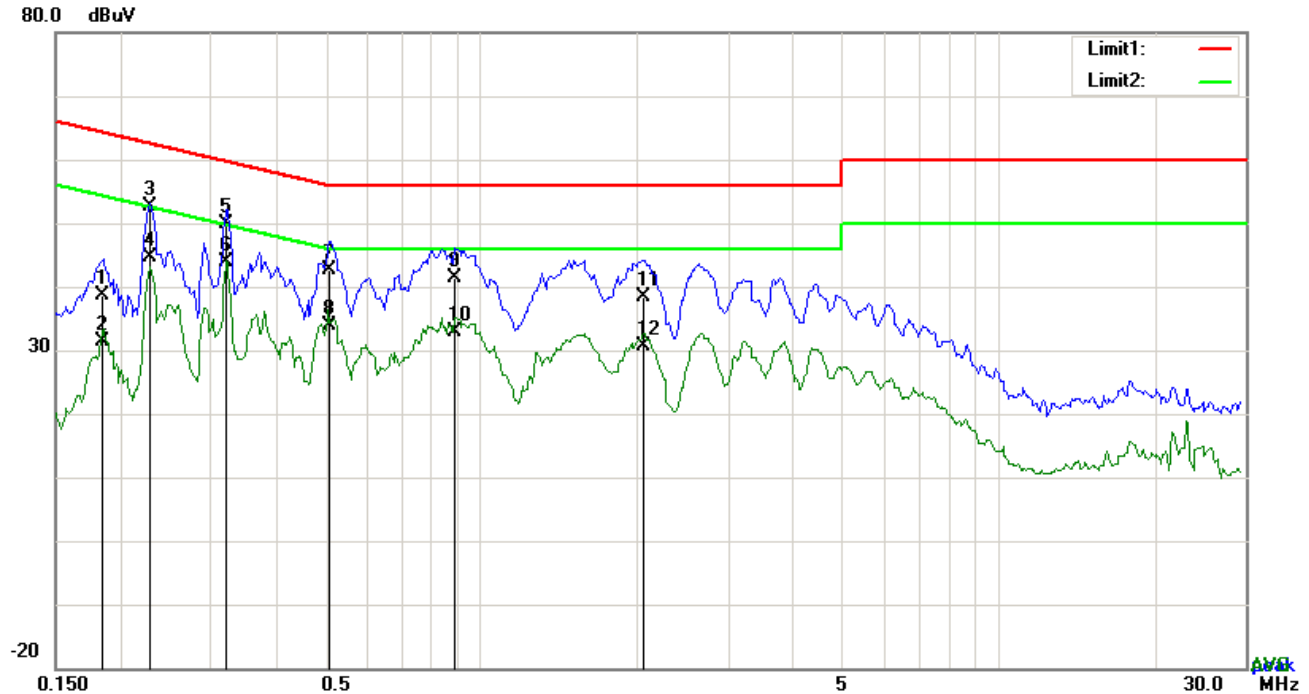


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.1851	34.32	QP	10.02	44.34	64.25	-19.91
2	N	0.1851	18.56	AVG	10.02	28.58	54.25	-25.67
3	N	0.2475	26.64	QP	10.02	36.66	61.84	-25.18
4	N	0.2475	12.65	AVG	10.02	22.67	51.84	-29.17
5	N	0.4971	28.63	QP	10.02	38.65	56.05	-17.40
6	N	0.4971	14.18	AVG	10.02	24.20	46.05	-21.85
7	N	1.6710	22.34	QP	10.04	32.38	56.00	-23.62
8	N	1.6710	9.05	AVG	10.04	19.09	46.00	-26.91
9	N	4.1349	21.37	QP	10.06	31.43	56.00	-24.57
10	N	4.1349	8.57	AVG	10.06	18.63	46.00	-27.37
11	N	24.0015	13.85	QP	10.32	24.17	60.00	-35.83
12	N	24.0015	6.44	AVG	10.32	16.76	50.00	-33.24

Test Mode 2:	MP4 Mode
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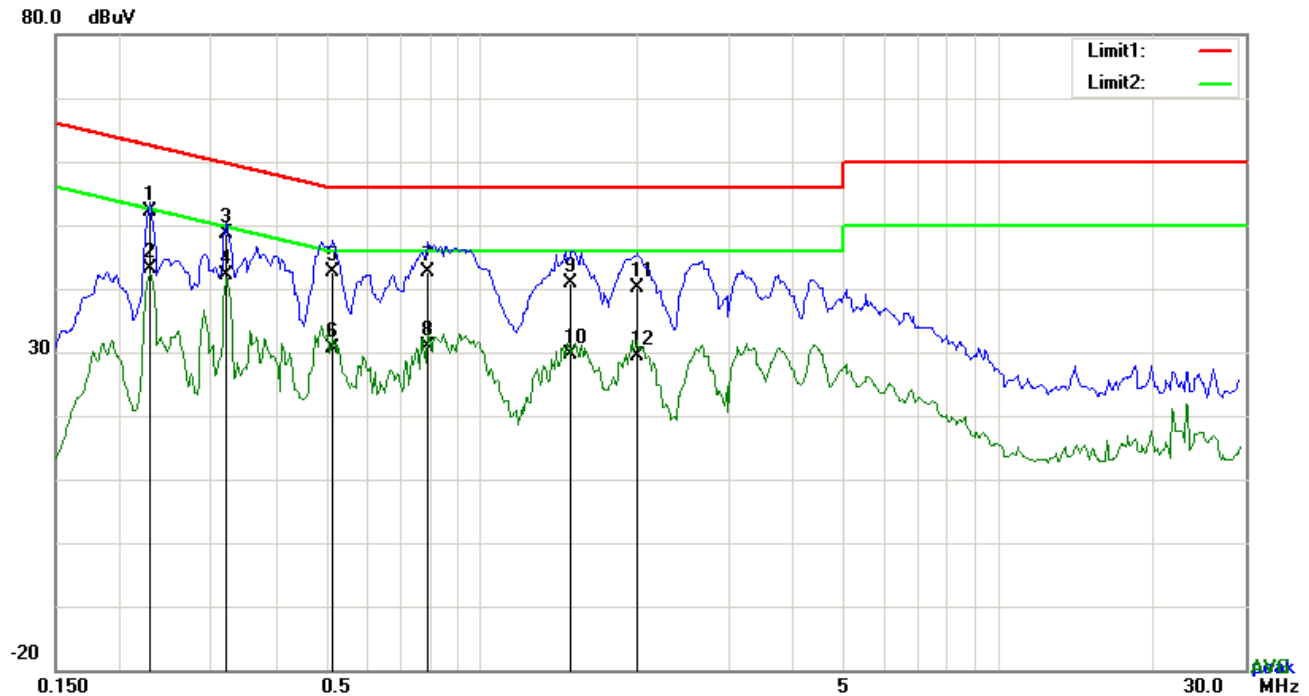


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.1851	28.69	QP	10.03	38.72	64.25	-25.53
2	L1	0.1851	21.44	AVG	10.03	31.47	54.25	-22.78
3	L1	0.2280	42.71	QP	10.03	52.74	62.52	-9.78
4	L1	0.2280	34.48	AVG	10.03	44.51	52.52	-8.01
5	L1	0.3216	39.93	QP	10.03	49.96	59.67	-9.71
6	L1	0.3216	33.83	AVG	10.03	43.86	49.67	-5.81
7	L1	0.5088	32.62	QP	10.03	42.65	56.00	-13.35
8	L1	0.5088	23.74	AVG	10.03	33.77	46.00	-12.23
9	L1	0.8871	31.27	QP	10.03	41.30	56.00	-14.70
10	L1	0.8871	22.87	AVG	10.03	32.90	46.00	-13.10
11	L1	2.0649	28.45	QP	10.04	38.49	56.00	-17.51
12	L1	2.0649	20.56	AVG	10.04	30.60	46.00	-15.40

Test Mode 2: MP4 Mode



Test Data

Phase Neutral Plot at 240Vac, 60Hz

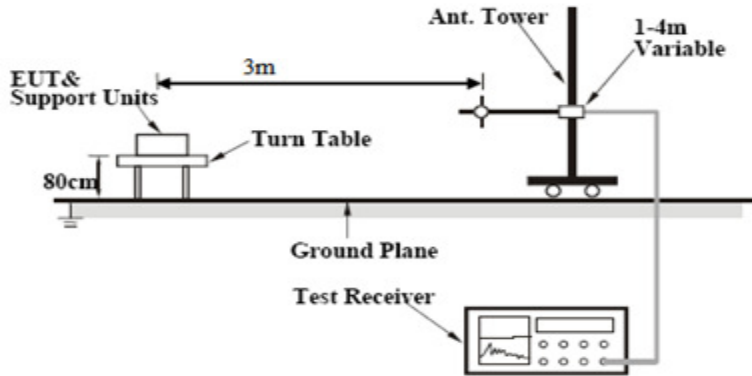
No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.2280	42.10	QP	10.02	52.12	62.52	-10.40
2	N	0.2280	33.13	AVG	10.02	43.15	52.52	-9.37
3	N	0.3216	38.73	QP	10.02	48.75	59.67	-10.92
4	N	0.3216	32.14	AVG	10.02	42.16	49.67	-7.51
5	N	0.5166	32.51	QP	10.02	42.53	56.00	-13.47
6	N	0.5166	20.59	AVG	10.02	30.61	46.00	-15.39
7	N	0.7857	32.51	QP	10.03	42.54	56.00	-13.46
8	N	0.7857	20.78	AVG	10.03	30.81	46.00	-15.19
9	N	1.4877	30.84	QP	10.03	40.87	56.00	-15.13
10	N	1.4877	19.69	AVG	10.03	29.72	46.00	-16.28
11	N	2.0025	30.19	QP	10.04	40.23	56.00	-15.77
12	N	2.0025	19.38	AVG	10.04	29.42	46.00	-16.58

6.2 Radiated Emissions

Temperature	24°C
Relative Humidity	55%
Atmospheric Pressure	1013mbar
Test date :	April 12, 2017
Tested By :	Evans He

Requirement(s):

Spec	Item	Requirement	Applicable	
47CFR§15. 109(d)	a)	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	☒	
		Frequency range (MHz)		Field Strength (µV/m)
		30 – 88		100
		88 – 216		150
		216 960		200
		Above 960		500

Test Setup	
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Procedure	- The EUT was switched on and allowed to warm up to its normal operating condition. - 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: - Vertical or horizontal polarization (whichever gave the higher emission level
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	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 Quasi 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

Screen 1& Screen 2

Test Mode 1:	USB Mode
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Test Mode 2:	MP4 Mode
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Test Mode 3:	Camera Mode
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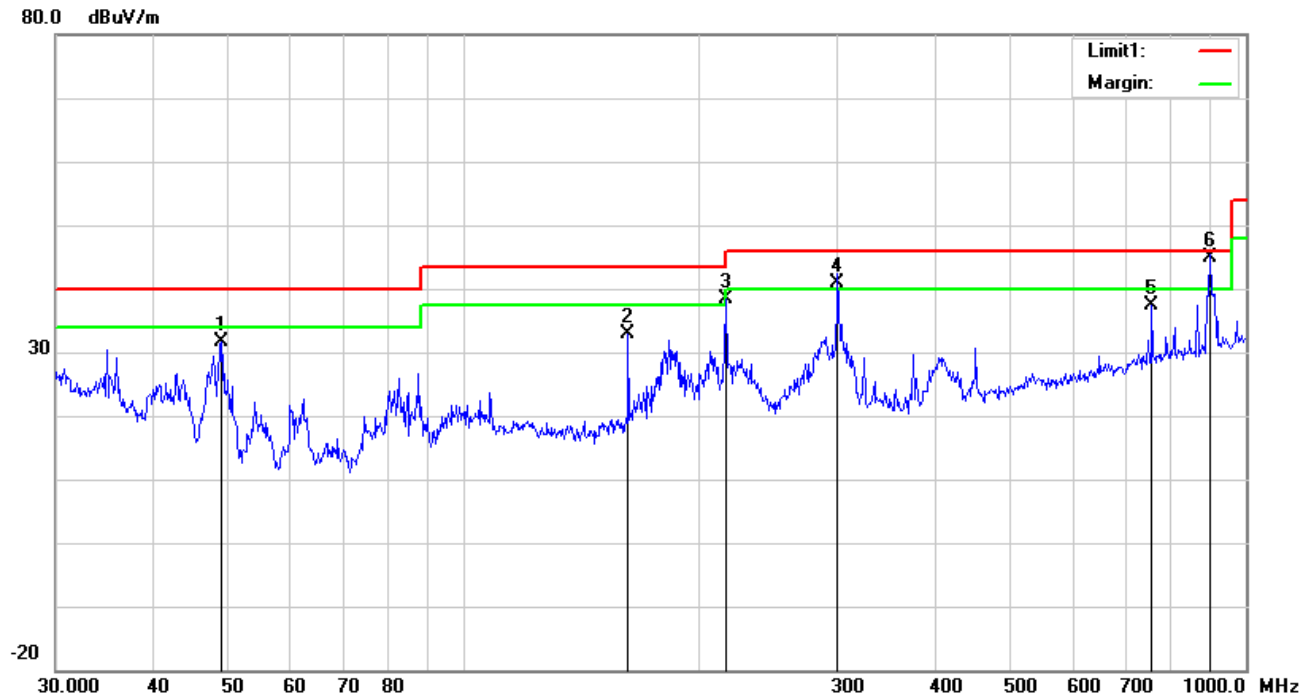
Test Mode 4:	SD Card Mode
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All modes were investigated. The test results only show the worst case as below.

Screen 1 :

Test Mode 2:	MP4 Mode
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Below 1GHz

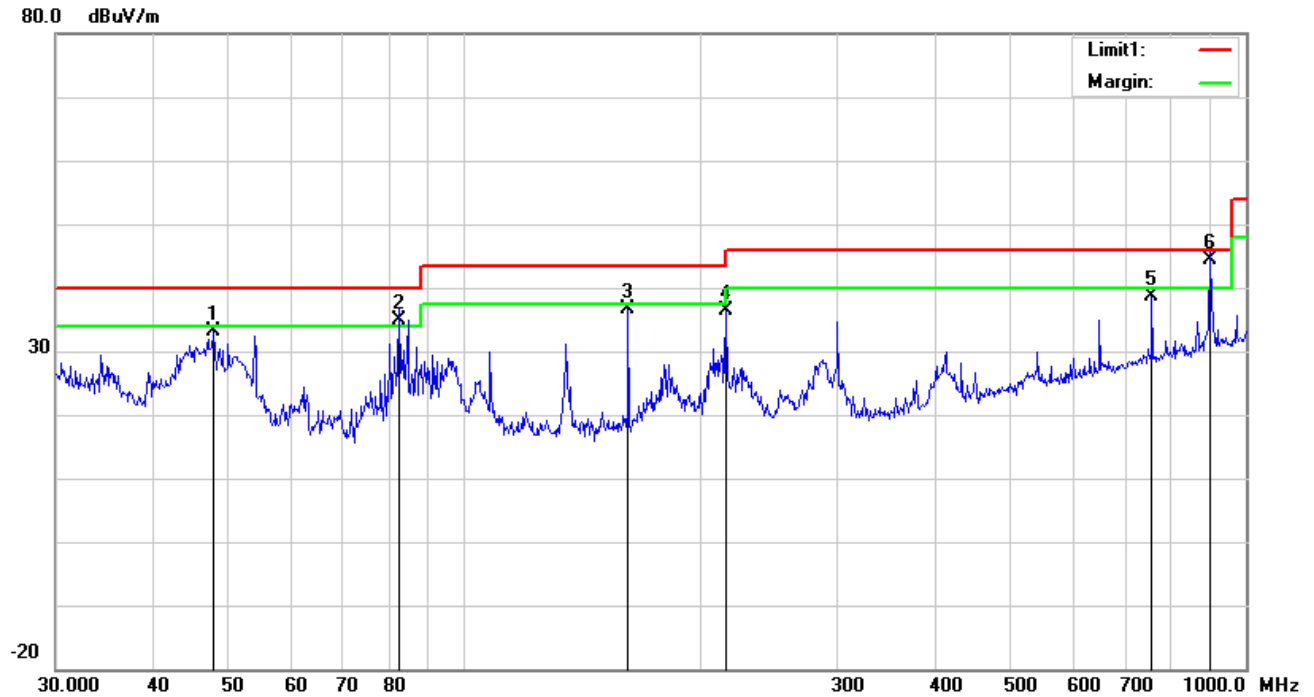


Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	H	48.8429	44.21	peak	8.91	22.36	0.79	31.55	40.00	-8.45	100	212
2	H	162.0414	41.21	peak	12.44	22.27	1.38	32.76	43.50	-10.74	100	91
3	H	216.0240	47.17	peak	11.88	22.35	1.59	38.29	46.00	-7.71	100	198
4	H	300.3673	47.79	QP	13.61	22.29	1.79	40.90	46.00	-5.10	100	120
5	H	758.0408	34.83	peak	20.90	21.24	2.88	37.37	46.00	-8.63	200	346
6	H	900.1474	40.11	QP	22.50	20.88	3.07	44.80	46.00	-1.20	100	244

Below 1GHz



Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	V	47.8260	45.29	peak	9.36	22.34	0.78	33.09	40.00	-6.91	200	179
2	V	82.3589	48.45	QP	7.69	22.40	1.06	34.80	40.00	-5.20	100	59
3	V	162.0414	45.12	peak	12.44	22.27	1.38	36.67	43.50	-6.83	100	297
4	V	216.0240	45.29	peak	11.88	22.35	1.59	36.41	46.00	-9.59	100	282
5	V	758.0408	35.99	peak	20.90	21.24	2.88	38.53	46.00	-7.47	100	335
6	V	900.1474	39.81	QP	22.50	20.88	3.07	44.50	46.00	-1.50	100	292

Above 1GHz

Frequency (MHz)	Read_level (dBμV/m)	Azimuth	Height (cm)	Polarity (H/V)	Level (dBμV/m)	Factors (dB)	Limit (dBμV/m)	Margin (dB)	Detector (PK/AV)
1306.5	68.13	75	100	V	48.75	-19.38	74	-25.25	PK
1875.4	72.45	18	100	V	56.49	-15.96	74	-17.51	PK
2319.8	72.4	223	100	V	58.22	-14.18	74	-15.78	PK
1523.6	68.98	168	100	H	50.46	-18.52	74	-23.54	PK
2518.4	70.99	92	100	H	57.31	-13.68	74	-16.69	PK
1799.5	71.97	347	100	H	55.22	-16.75	74	-18.78	PK

Note1: The highest frequency of the EUT is 2480 MHz, so the testing has been conformed to $5 \times 2480 \text{ MHz} = 12,400 \text{ MHz}$.

Note2: The frequency that above 3GHz is mainly from the environment noise.

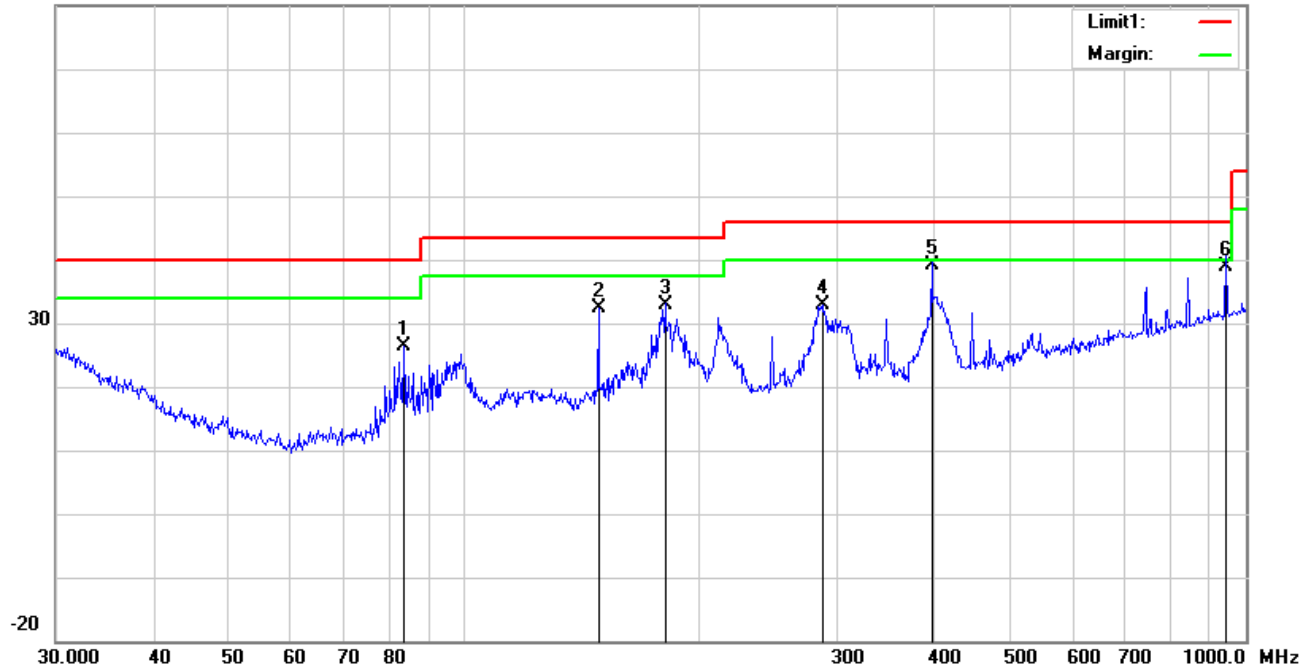
Note3: The AV measurement performed, more than 20dB below limit so AV test data was not presented.

Screen 2

Test Mode 2: MP4 Mode

Below 1GHz

80.0 dBuV/m

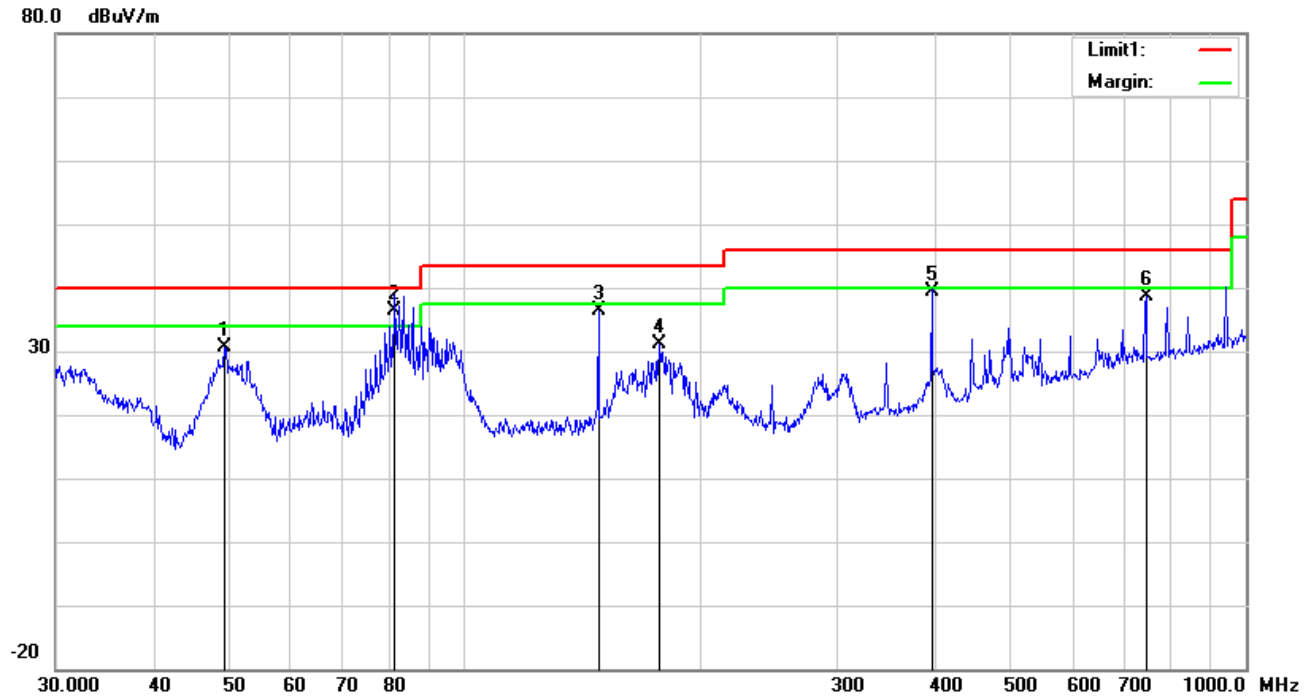


Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	H	83.8156	39.97	peak	7.75	22.38	1.07	26.41	40.00	-13.59	100	162
2	H	148.4410	40.73	peak	12.60	22.35	1.33	32.31	43.50	-11.19	100	255
3	H	180.6488	42.84	peak	11.04	22.25	1.37	33.00	43.50	-10.50	100	332
4	H	287.9904	40.35	peak	13.07	22.29	1.77	32.90	46.00	-13.10	100	63
5	H	396.2415	43.49	QP	15.62	22.02	2.01	39.10	46.00	-6.90	100	69
6	H	942.1305	33.74	QP	22.71	20.80	3.15	38.80	46.00	-7.20	100	3

Below 1GHz



Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	V	49.3594	43.58	peak	8.68	22.37	0.79	30.68	40.00	-9.32	100	213
2	V	81.4970	50.09	QP	7.66	22.41	1.06	36.40	40.00	-3.60	100	66
3	V	148.4410	44.90	peak	12.60	22.35	1.33	36.48	43.50	-7.02	100	275
4	V	177.5092	40.89	peak	11.20	22.25	1.36	31.20	43.50	-12.30	100	145
5	V	396.2415	43.89	QP	15.62	22.02	2.01	39.50	46.00	-6.50	100	306
6	V	744.8661	36.34	peak	20.74	21.27	2.84	38.65	46.00	-7.35	100	207

Above 1GHz

Frequency (MHz)	Read_level (dBμV/m)	Azimuth	Height (cm)	Polarity (H/V)	Level (dBμV/m)	Factors (dB)	Limit (dBμV/m)	Margin (dB)	Detector (PK/AV)
1316.5	66.69	48	100	V	47.31	-19.38	74	-26.69	PK
1882.3	75.51	81	100	V	59.55	-15.96	74	-14.45	PK
2319.7	56.69	139	100	V	42.51	-14.18	74	-31.49	PK
1524.6	76.76	267	100	H	58.24	-18.52	74	-15.76	PK
2500.4	74	142	100	H	60.32	-13.68	74	-13.68	PK
1764.9	69.53	302	100	H	52.78	-16.75	74	-21.22	PK

Note1: The highest frequency of the EUT is 2480 MHz, so the testing has been conformed to $5 \times 2480 \text{ MHz} = 12,400 \text{ MHz}$.

Note2: The frequency that above 3GHz is mainly from the environment noise.

Note3: 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	09/16/2016	09/15/2017	☒
Line Impedance Stabilization Network	LI-125A	191106	09/24/2016	09/23/2017	☒
Line Impedance Stabilization Network	LI-125A	191107	09/24/2016	09/23/2017	☒
LISN	ISN T800	34373	09/24/2016	09/23/2017	☒
Transient Limiter	LIT-153	531118	08/31/2016	08/30/2017	☒
Radiated Emissions					
EMI test receiver	ESL6	100262	09/16/2016	09/15/2017	☒
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/31/2016	08/30/2017	☒
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/23/2017	03/22/2018	☒
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/20/2016	09/19/2017	☒
Double Ridge Horn Antenna	AH-118	71259	09/23/2016	09/22/2017	☒

Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo

Screen 1

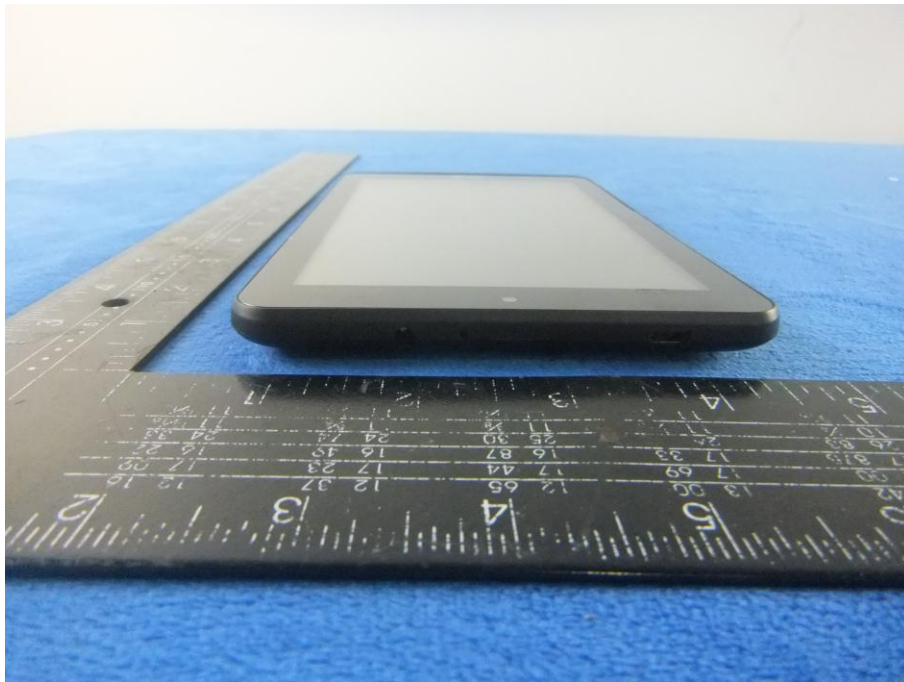
EUT - Front View



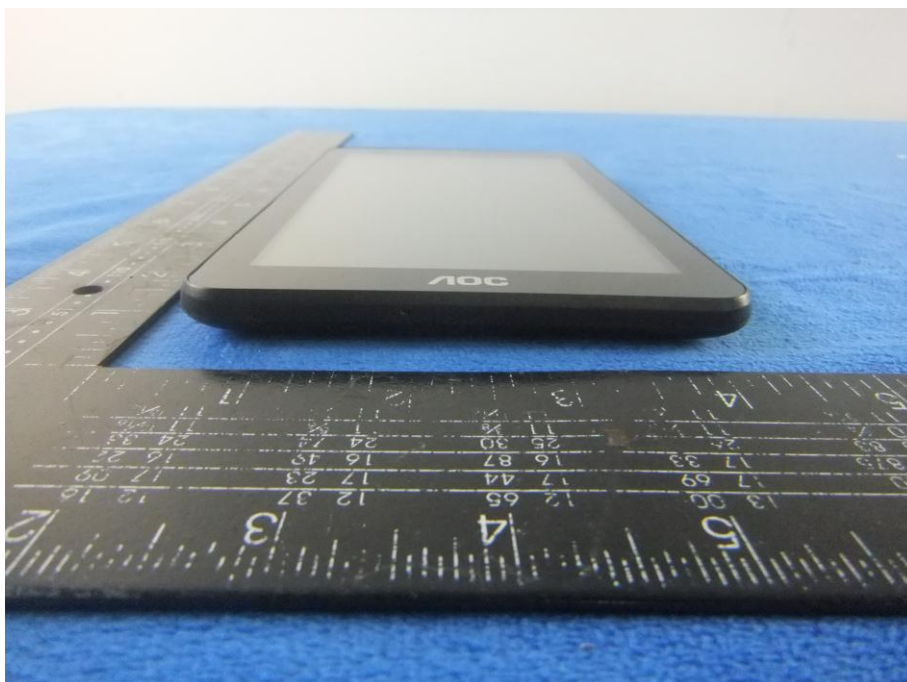
EUT - Rear View



EUT - Top View



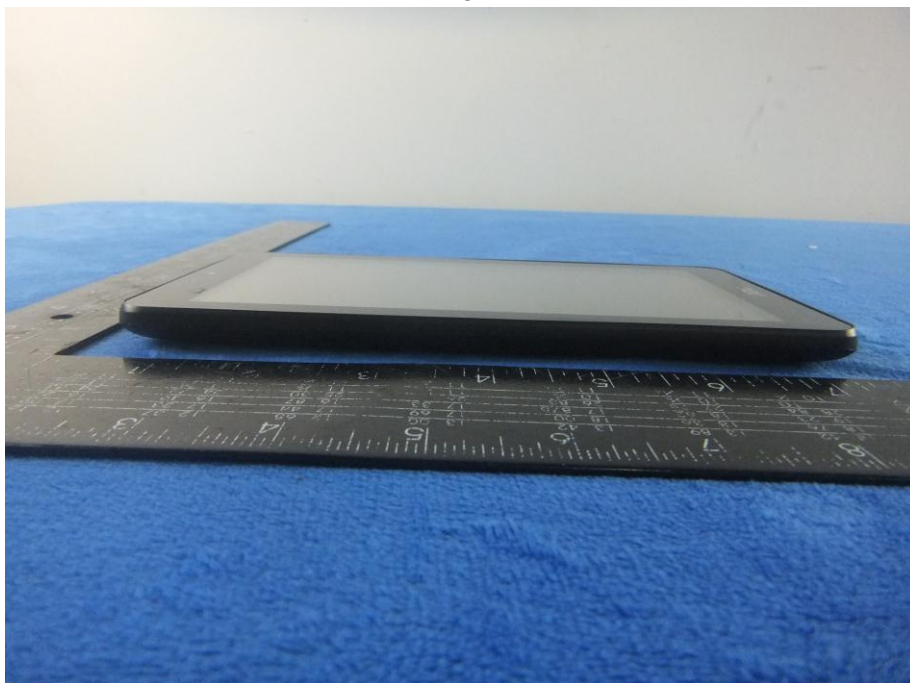
EUT - Bottom View



EUT - Left View



EUT - Right View



Screen 2

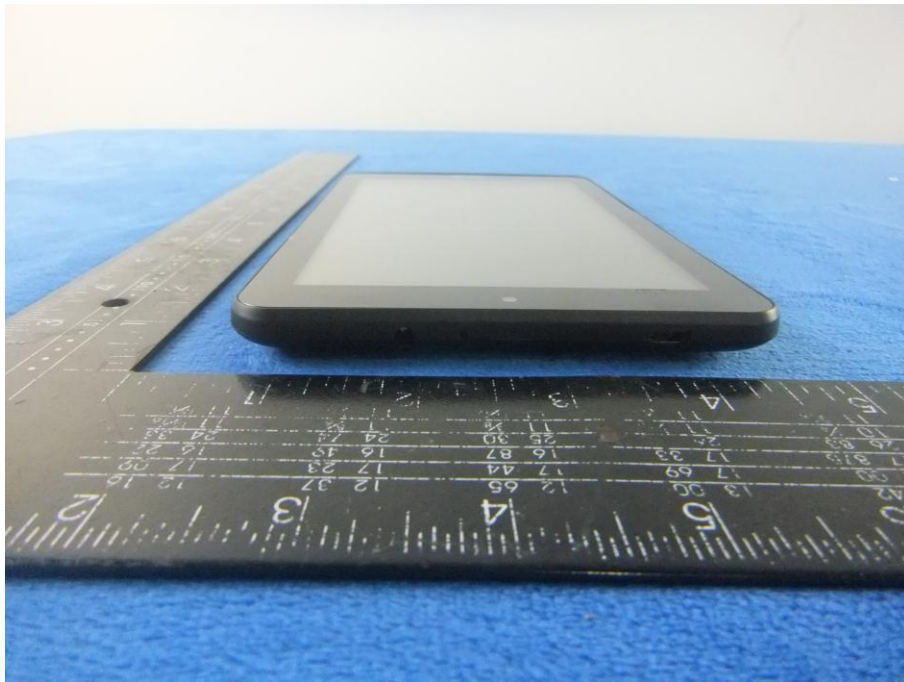
EUT - Front View



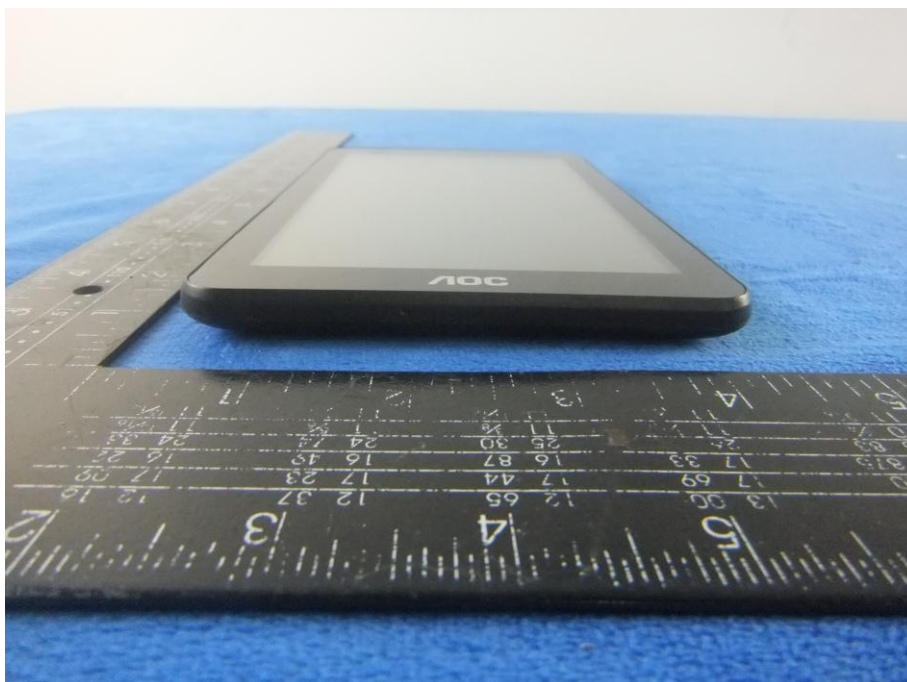
EUT - Rear View



EUT - Top View



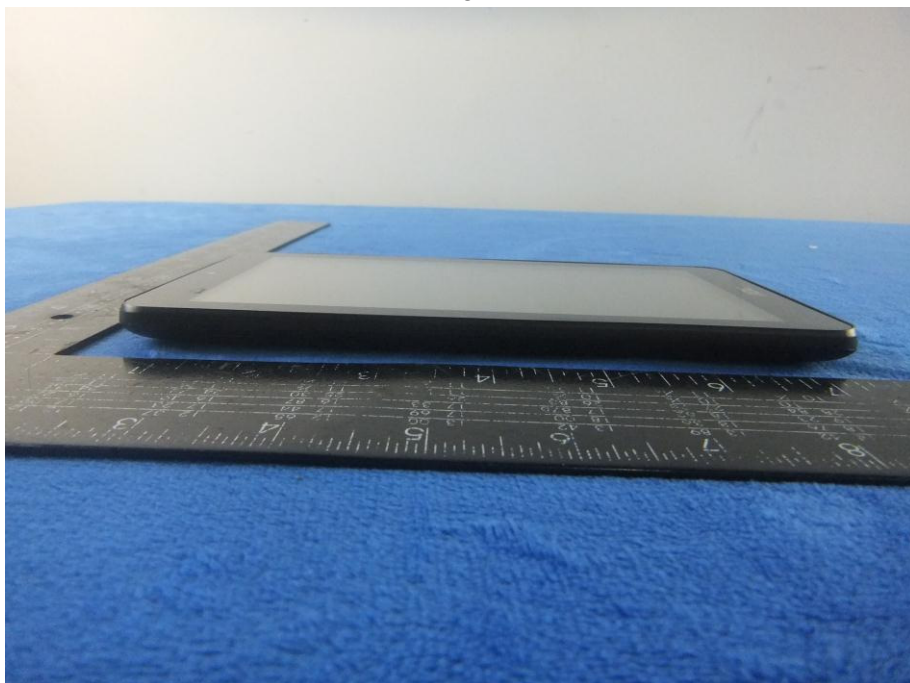
EUT - Bottom View



EUT - Left View



EUT - Right View



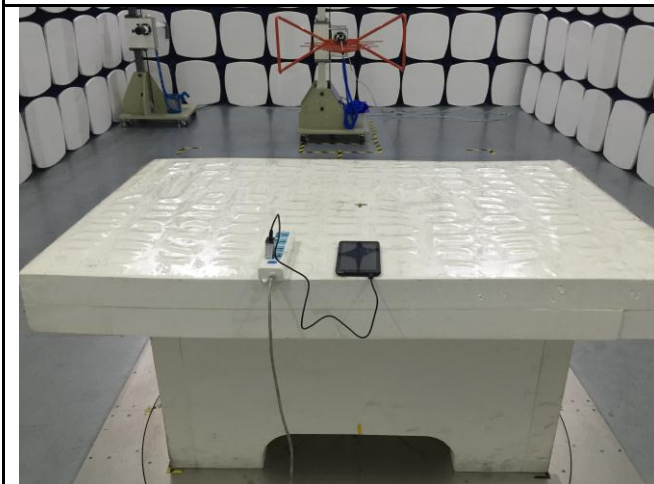
Annex B.iii. Photograph: Test Setup Photo



Conducted Emissions Test Setup – Front View



Conducted Emissions Test Setup – Side View



Radiated Emissions Test Setup Below 1GHz

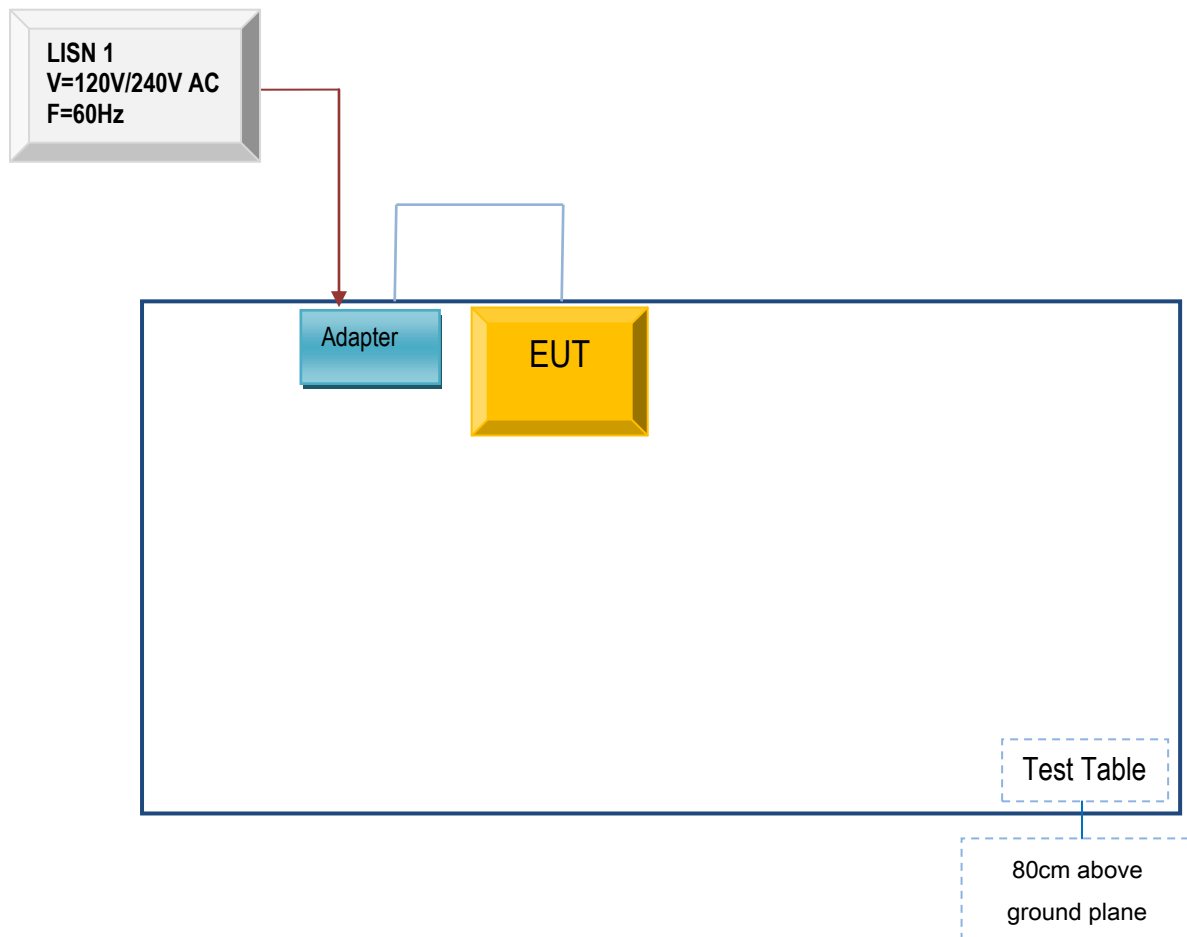


Radiated Emissions Test Setup Above 1GHz

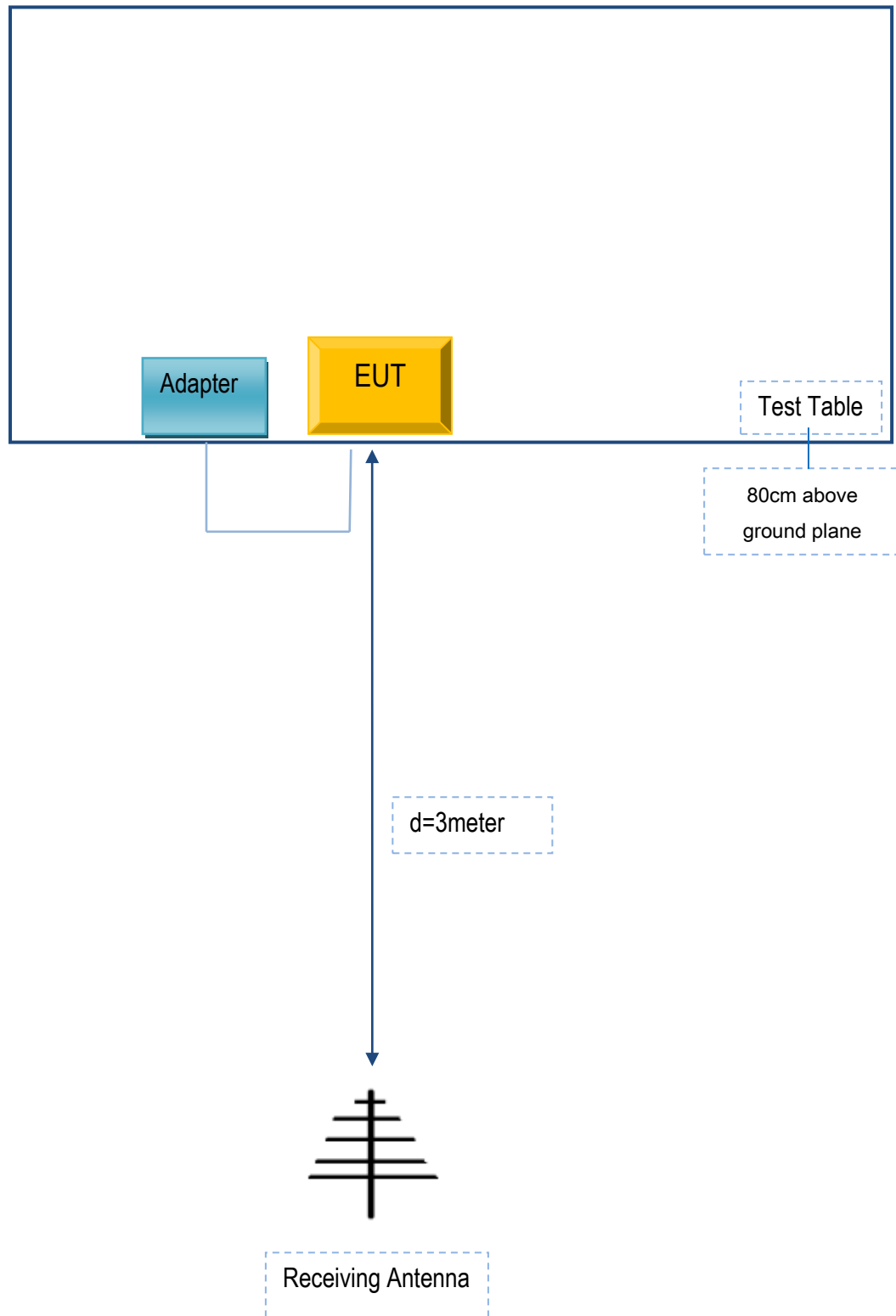
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Conducted Emissions



Block Configuration Diagram for Radiated Emissions



Annex C. ii. 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	SC/5WM500100-US	A72S

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	2m	JX120051274

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

Please see attachment

Annex E. DECLARATION OF SIMILARITY

N/A