

# EMC TEST REPORT



Report No.: 15070360-FCC-E

Applicant	Shenzhen omimo Technology Co.,Ltd.	
Product Name	WiFi camera	
Model No.	S530	
Serial No.	N/A	
Test Standard	FCC Part 15 Subpart B Class B:2014, ANSI C63.4: 2014	
Test Date	July 10 to August 14, 2015	
Issue Date	September 21, 2015	
Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
Equipment complied with the specification <input checked="" type="checkbox"/>		
Equipment did not comply with the specification <input type="checkbox"/>		
<i>Winnie Zhang</i>	<i>David Huang</i>	
Winnie Zhang Test Engineer	David Huang Checked By	
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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
15070360-FCC-E	NONE	Original	September 21, 2015

## 2. Customer information

Applicant Name	Shenzhen omimo Technology Co.,Ltd.
Applicant Add	Room1212,Chuangjian Building, No.6023, Shennan Boulevard, Futian District, Shenzhen,China
Manufacturer	Sharetronic Data Technology Co., Ltd.
Manufacturer Add	Weiqiang Technology Park, Yinhe Industrial Estate, Qingxi Town, Dongguan, 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:	WiFi camera
Main Model:	S530
Serial Model:	N/A
Antenna Gain:	WiFi: 2.73 dBi
Input Power:	Adapter 1: Model: TEKA006-0501000UKU Input: AC 100-240V; 50/60Hz 0.3A Output: DC 5.0V; 1A Adapter 2: Model: A31-3762-501000 Input: AC 100-240V; 50/60Hz 0.2A Output: DC 5.0V; 1.0A
Trade Name :	omimo
FCC ID:	2AE6WS530
Equipment Category :	Class B
Type of Modulation:	802.11b/g/n: DSSS, OFDM
RF Operating Frequency (ies):	WiFi:802.11b/g/n(20M): 2412-2462 MHz WiFi:802.11n(40M): 2422-2452 MHz
Number of Channels:	WIFI :802.11b/g/n(20M): 11CH WIFI :802.11n(40M): 7CH
Port:	USB Port
GPRS/EGPRS Multi-slot class	8/10/12

## 5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

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

### Measurement Uncertainty


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

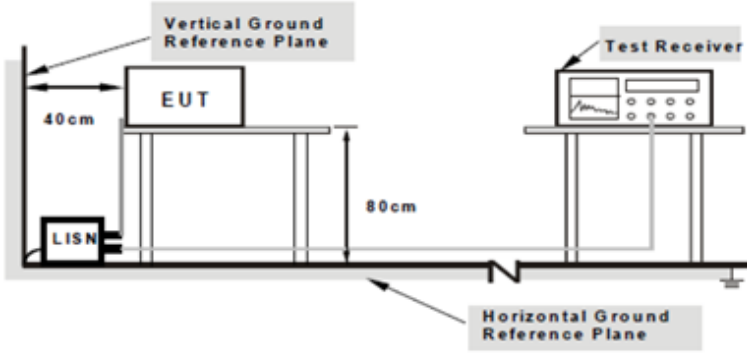
## 6. Measurements, Examination And Derived Results

### 6.1 AC Power Line Conducted Emissions

Temperature	25 oC
Relative Humidity	52%
Atmospheric Pressure	1028mbar
Test date :	July 23, 2015
Tested By :	Winnie Zhang

#### 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.															
		<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>	Frequency ranges (MHz)	Limit (dBµV)		QP	Average	0.15 ~ 0.5	66 – 56	56 – 46	0.5 ~ 5	56	46	5 ~ 30	60	50	
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	 <p>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.</p>
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Procedure	<ol style="list-style-type: none"> <li>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.</li> <li>The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> </ol>
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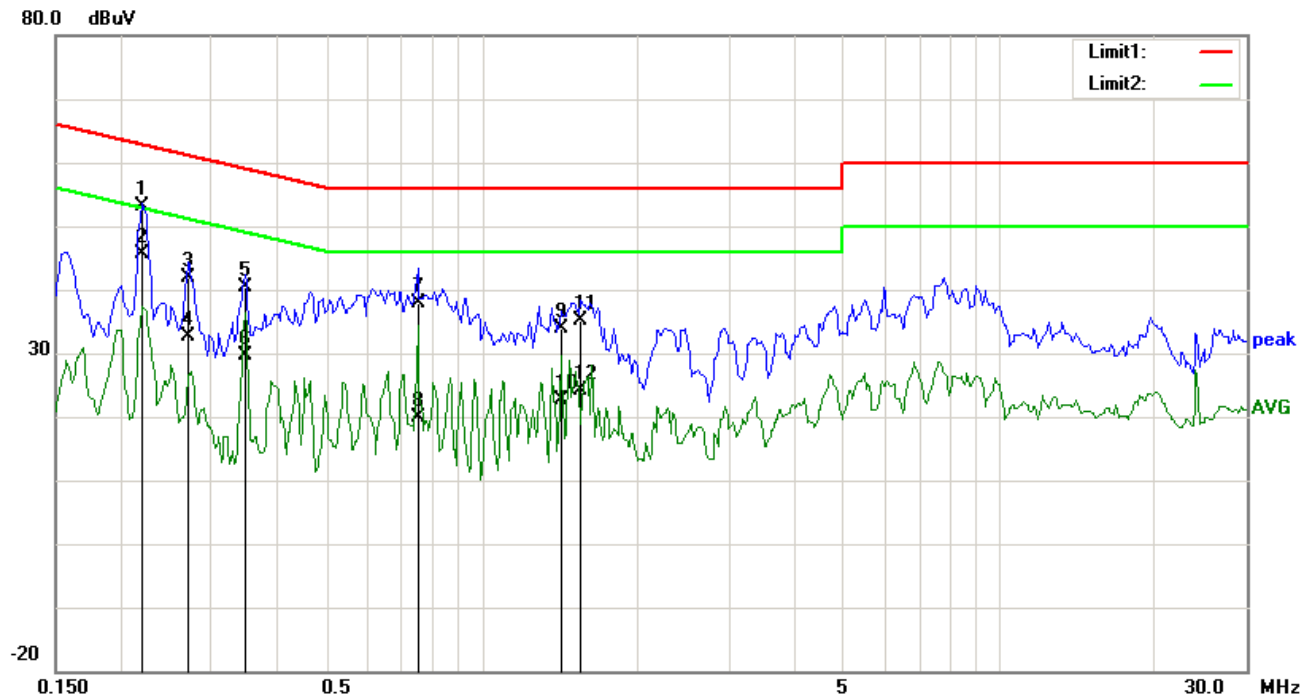
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	<p>3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.</p> <p>4. All other supporting equipment were powered separately from another main supply.</p> <p>5. The EUT was switched on and allowed to warm up to its normal operating condition.</p> <p>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.</p> <p>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.</p> <p>8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).</p>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

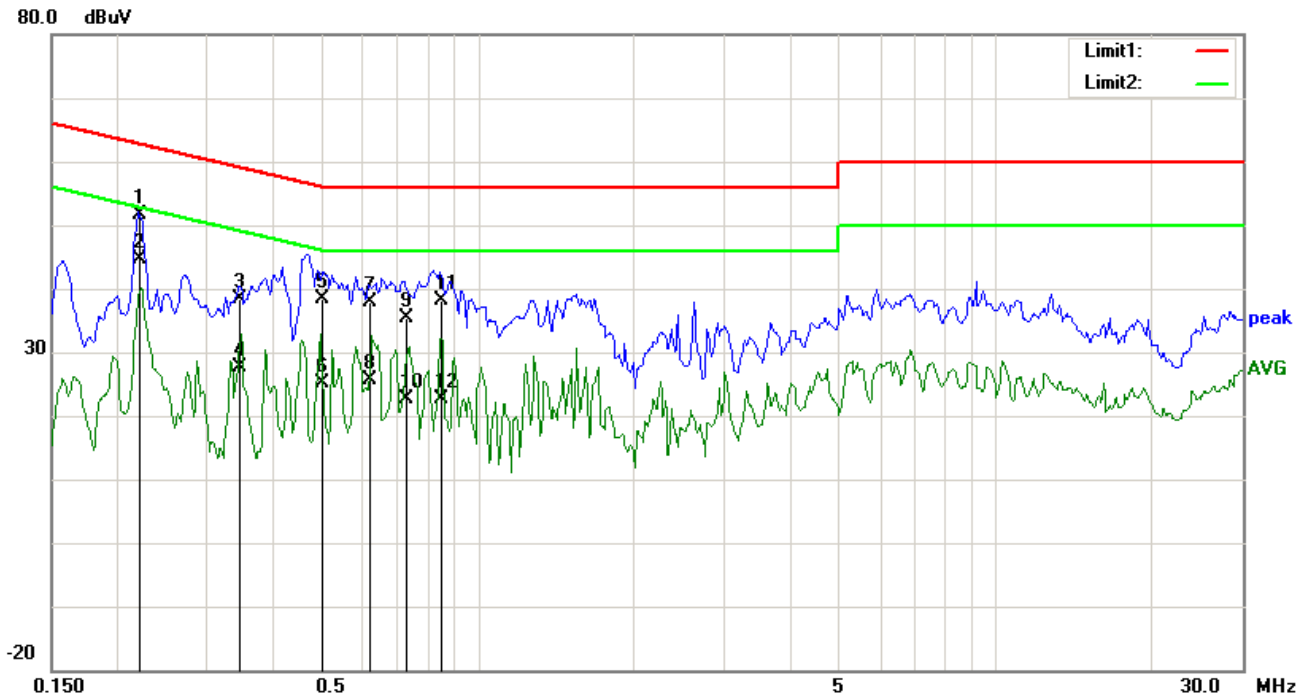
**Test Mode 1:** SD Mode(Adaptor1: TEKA006-0501000UKU )



### Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	L1	0.2203	40.26	QP	12.94	53.20	62.81	-9.61	
2	L1	0.2203	32.74	AVG	12.94	45.68	52.81	-7.13	
3	L1	0.2711	29.20	QP	12.75	41.95	61.08	-19.13	
4	L1	0.2711	19.89	AVG	12.75	32.64	51.08	-18.44	
5	L1	0.3492	27.83	QP	12.46	40.29	58.98	-18.69	
6	L1	0.3492	17.25	AVG	12.46	29.71	48.98	-19.27	
7	L1	0.7516	26.31	QP	11.65	37.96	56.00	-18.04	
8	L1	0.7516	8.19	AVG	11.65	19.84	46.00	-26.16	
9	L1	1.4273	22.38	QP	11.40	33.78	56.00	-22.22	
10	L1	1.4273	11.35	AVG	11.40	22.75	46.00	-23.25	
11	L1	1.5484	23.69	QP	11.40	35.09	56.00	-20.91	
12	L1	1.5484	12.62	AVG	11.40	24.02	46.00	-21.98	

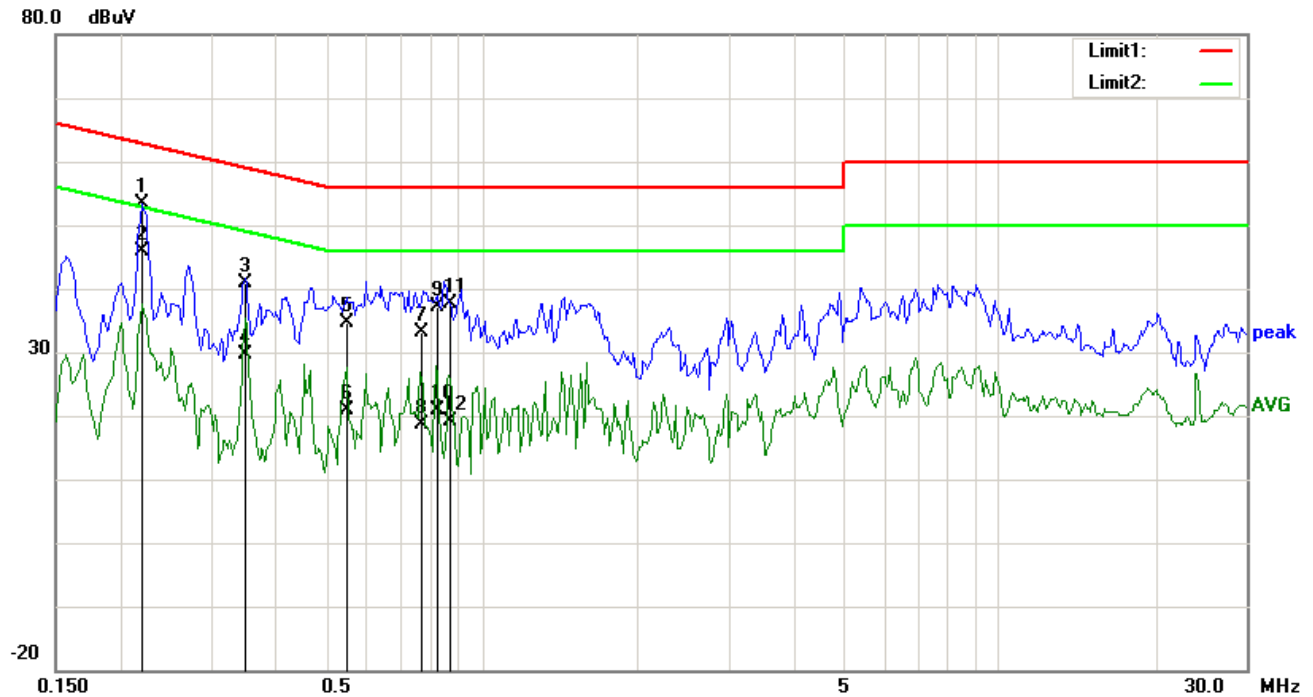


### Test Data

### Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)	
1	N	0.2220	38.70	QP	12.93	51.63	62.74	-11.11	
2	N	0.2220	31.77	AVG	12.93	44.70	52.74	-8.04	
3	N	0.3465	25.98	QP	12.47	38.45	59.05	-20.60	
4	N	0.3465	15.17	AVG	12.47	27.64	49.05	-21.41	
5	N	0.4977	26.36	QP	11.91	38.27	56.04	-17.77	
6	N	0.4977	13.22	AVG	11.91	25.13	46.04	-20.91	
7	N	0.6173	26.13	QP	11.78	37.91	56.00	-18.09	
8	N	0.6173	13.85	AVG	11.78	25.63	46.00	-20.37	
9	N	0.7274	23.72	QP	11.67	35.39	56.00	-20.61	
10	N	0.7274	10.85	AVG	11.67	22.52	46.00	-23.48	
11	N	0.8483	26.58	QP	11.55	38.13	56.00	-17.87	
12	N	0.8483	11.14	AVG	11.55	22.69	46.00	-23.31	

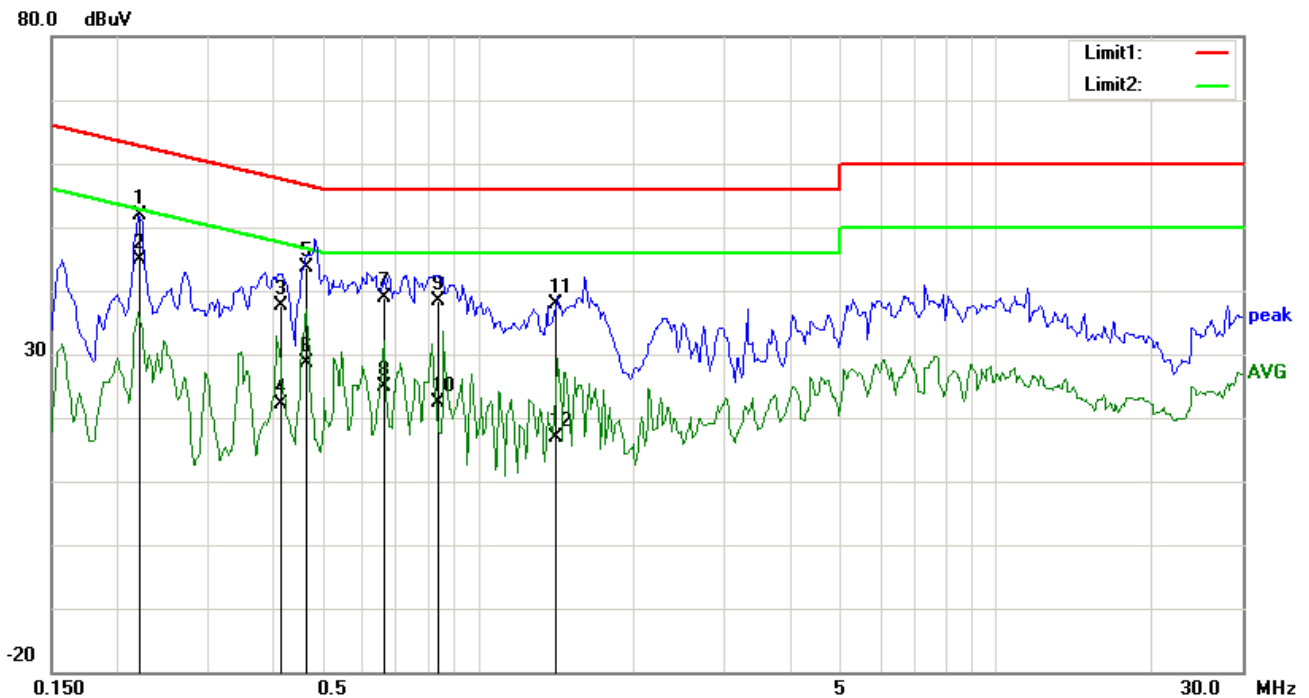
<b>Test Mode 1:</b>	<b>SD Mode (Adaptor 1: TEKA006-0501000UKU)</b>
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**Test Data**

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	L1	0.2208	40.40	QP	12.94	53.34	62.79	-9.45	
2	L1	0.2208	32.95	AVG	12.94	45.89	52.79	-6.90	
3	L1	0.3492	28.39	QP	12.46	40.85	58.98	-18.13	
4	L1	0.3492	17.17	AVG	12.46	29.63	48.98	-19.35	
5	L1	0.5493	22.69	QP	11.85	34.54	56.00	-21.46	
6	L1	0.5493	8.93	AVG	11.85	20.78	46.00	-25.22	
7	L1	0.7630	21.61	QP	11.64	33.25	56.00	-22.75	
8	L1	0.7630	6.92	AVG	11.64	18.56	46.00	-27.44	
9	L1	0.8217	25.52	QP	11.58	37.10	56.00	-18.90	
10	L1	0.8217	9.36	AVG	11.58	20.94	46.00	-25.06	
11	L1	0.8664	26.14	QP	11.53	37.67	56.00	-18.33	
12	L1	0.8664	7.48	AVG	11.53	19.01	46.00	-26.99	

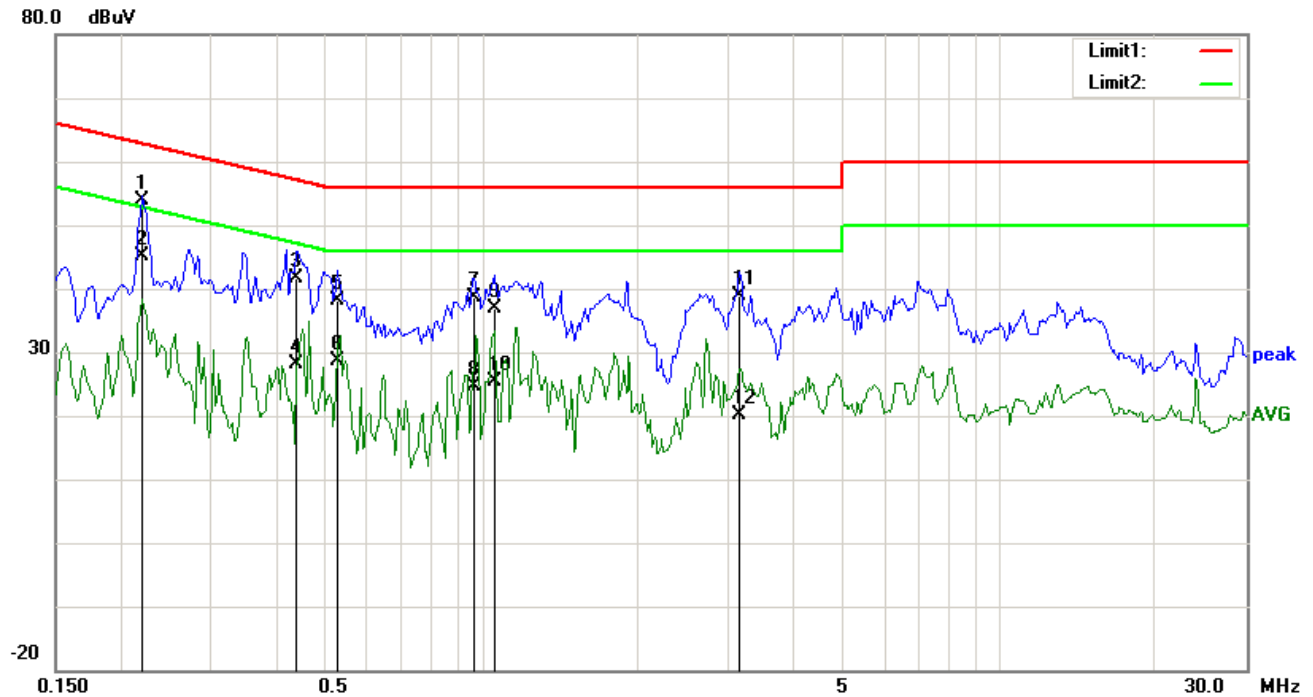


### Test Data

### Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)	
1	N	0.2220	38.86	QP	12.93	51.79	62.74	-10.95	
2	N	0.2220	31.89	AVG	12.93	44.82	52.74	-7.92	
3	N	0.4171	25.44	QP	12.21	37.65	57.51	-19.86	
4	N	0.4171	9.83	AVG	12.21	22.04	47.51	-25.47	
5	N	0.4664	31.72	QP	12.02	43.74	56.58	-12.84	
6	N	0.4664	16.56	AVG	12.02	28.58	46.58	-18.00	
7	N	0.6578	27.22	QP	11.74	38.96	56.00	-17.04	
8	N	0.6578	13.22	AVG	11.74	24.96	46.00	-21.04	
9	N	0.8393	26.76	QP	11.56	38.32	56.00	-17.68	
10	N	0.8393	10.77	AVG	11.56	22.33	46.00	-23.67	
11	N	1.4107	26.32	QP	11.45	37.77	56.00	-18.23	
12	N	1.4107	5.50	AVG	11.45	16.95	46.00	-29.05	

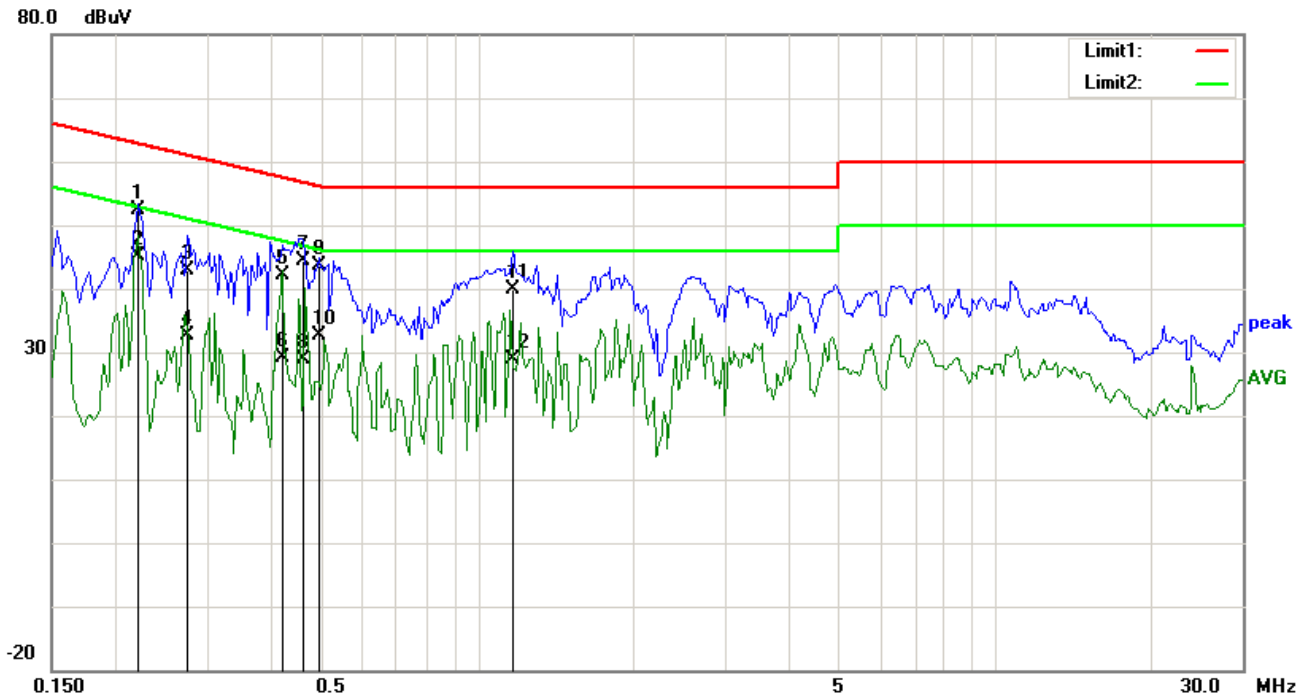
**Test Mode 2:** SD Mode(Adaptor 2: A31-3762-501000 )



### Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	L1	0.2203	40.84	QP	12.94	53.78	62.81	-9.03	
2	L1	0.2203	32.15	AVG	12.94	45.09	52.81	-7.72	
3	L1	0.4391	29.40	QP	12.13	41.53	57.08	-15.55	
4	L1	0.4391	16.06	AVG	12.13	28.19	47.08	-18.89	
5	L1	0.5265	26.23	QP	11.87	38.10	56.00	-17.90	
6	L1	0.5265	16.68	AVG	11.87	28.55	46.00	-17.45	
7	L1	0.9633	27.24	QP	11.44	38.68	56.00	-17.32	
8	L1	0.9633	13.12	AVG	11.44	24.56	46.00	-21.44	
9	L1	1.0562	25.47	QP	11.40	36.87	56.00	-19.13	
10	L1	1.0562	13.97	AVG	11.40	25.37	46.00	-20.63	
11	L1	3.1523	27.37	QP	11.40	38.77	56.00	-17.23	
12	L1	3.1523	8.72	AVG	11.40	20.12	46.00	-25.88	

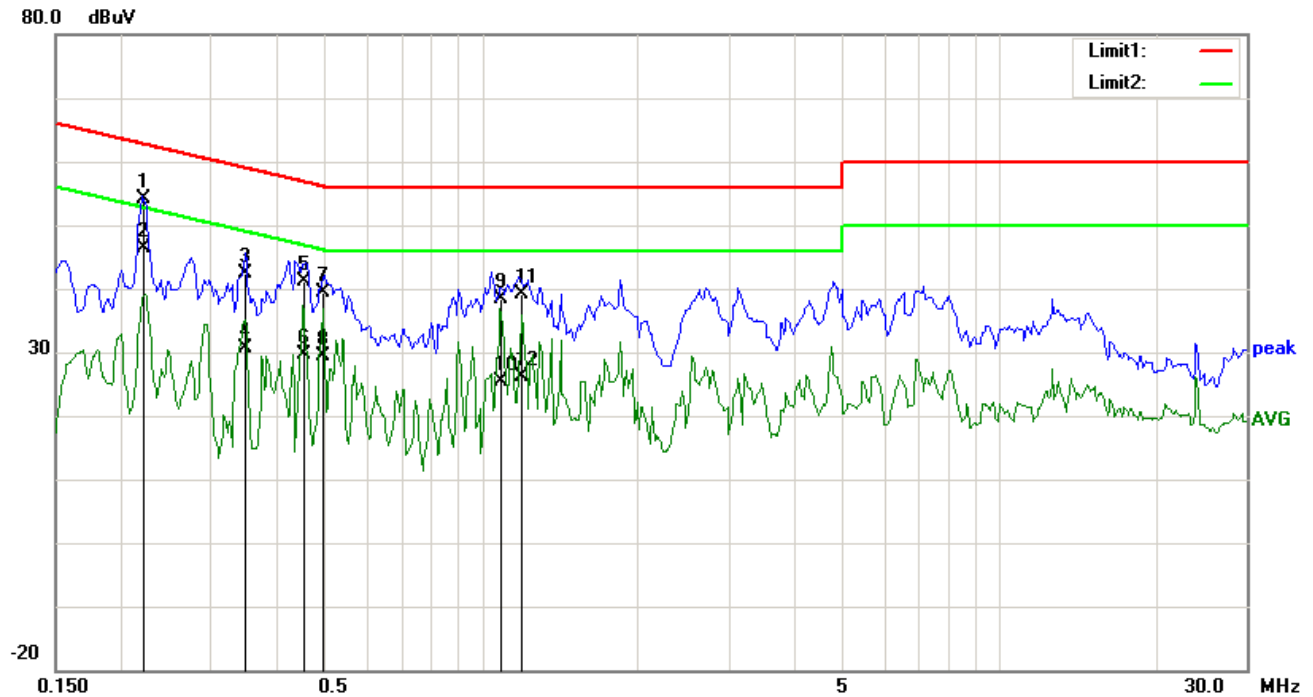


### Test Data

#### Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)	
1	N	0.2208	39.54	QP	12.94	52.48	62.79	-10.31	
2	N	0.2208	32.10	AVG	12.94	45.04	52.79	-7.75	
3	N	0.2750	30.15	QP	12.74	42.89	60.97	-18.08	
4	N	0.2750	19.82	AVG	12.74	32.56	50.97	-18.41	
5	N	0.4234	30.04	QP	12.18	42.22	57.38	-15.16	
6	N	0.4234	16.99	AVG	12.18	29.17	47.38	-18.21	
7	N	0.4588	32.39	QP	12.05	44.44	56.71	-12.27	
8	N	0.4588	16.93	AVG	12.05	28.98	46.71	-17.73	
9	N	0.4938	31.60	QP	11.92	43.52	56.10	-12.58	
10	N	0.4938	20.60	AVG	11.92	32.52	46.10	-13.58	
11	N	1.1695	28.43	QP	11.42	39.85	56.00	-16.15	
12	N	1.1695	17.42	AVG	11.42	28.84	46.00	-17.16	

**Test Mode 2: SD Mode (Adaptor 2: A31-3762-501000)**

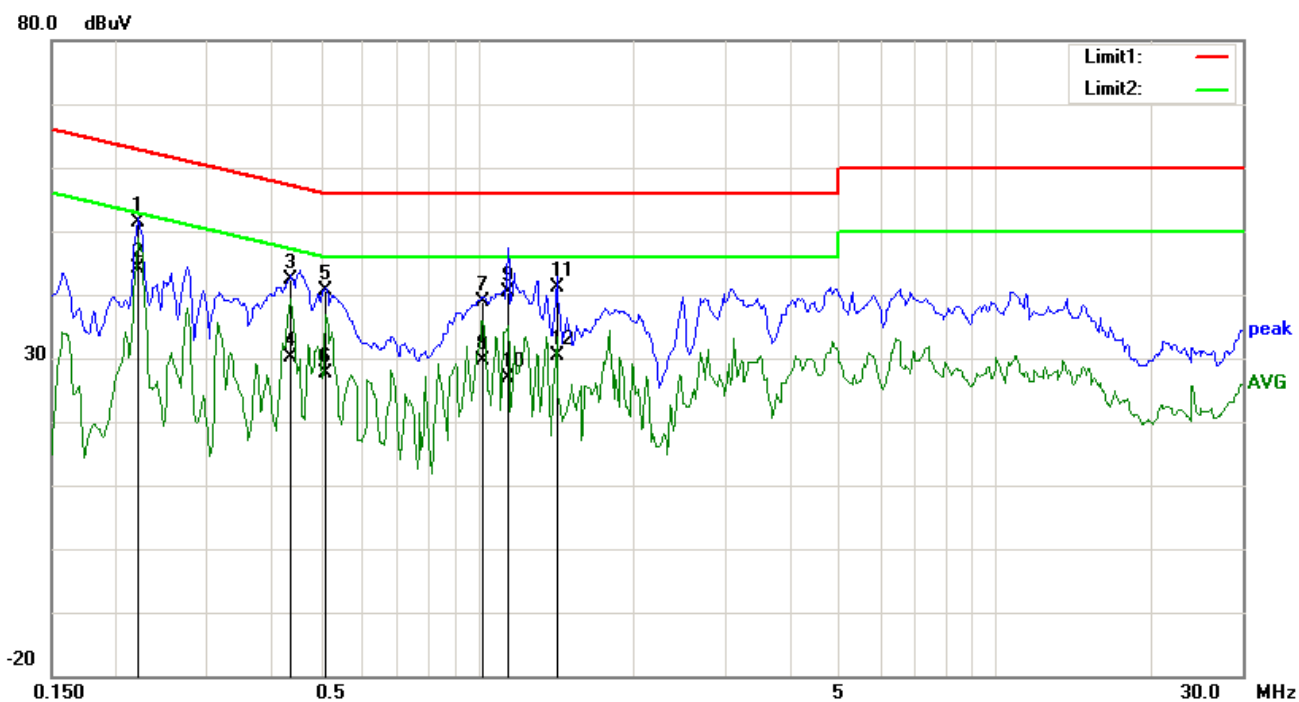


**Test Data**

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)	
1	L1	0.2220	41.27	QP	12.93	54.20	62.74	-8.54	
2	L1	0.2220	33.48	AVG	12.93	46.41	52.74	-6.33	
3	L1	0.3492	29.93	QP	12.46	42.39	58.98	-16.59	
4	L1	0.3492	18.20	AVG	12.46	30.66	48.98	-18.32	
5	L1	0.4539	29.13	QP	12.07	41.20	56.80	-15.60	
6	L1	0.4539	17.64	AVG	12.07	29.71	46.80	-17.09	
7	L1	0.4941	27.44	QP	11.92	39.36	56.10	-16.74	
8	L1	0.4941	17.48	AVG	11.92	29.40	46.10	-16.70	
9	L1	1.0881	27.07	QP	11.40	38.47	56.00	-17.53	
10	L1	1.0881	13.90	AVG	11.40	25.30	46.00	-20.70	
11	L1	1.1969	27.69	QP	11.40	39.09	56.00	-16.91	
12	L1	1.1969	14.62	AVG	11.40	26.02	46.00	-19.98	





### Test Data

### Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Comment
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)	
1	N	0.2203	38.48	QP	12.94	51.42	62.81	-11.39	
2	N	0.2203	31.16	AVG	12.94	44.10	52.81	-8.71	
3	N	0.4352	30.14	QP	12.14	42.28	57.15	-14.87	
4	N	0.4352	17.93	AVG	12.14	30.07	47.15	-17.08	
5	N	0.5094	28.86	QP	11.89	40.75	56.00	-15.25	
6	N	0.5094	15.83	AVG	11.89	27.72	46.00	-18.28	
7	N	1.0211	27.37	QP	11.40	38.77	56.00	-17.23	
8	N	1.0211	18.16	AVG	11.40	29.56	46.00	-16.44	
9	N	1.1422	28.86	QP	11.42	40.28	56.00	-15.72	
10	N	1.1422	15.46	AVG	11.42	26.88	46.00	-19.12	
11	N	1.4234	29.56	QP	11.45	41.01	56.00	-14.99	
12	N	1.4234	18.95	AVG	11.45	30.40	46.00	-15.60	

## 6.2 Radiated Emissions

Temperature	23 °C
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	August 03, 2015
Tested By :	Winnie Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable	
47CFR§15.107(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	<div><input checked="" type="checkbox"/></div>	
		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	<ol style="list-style-type: none"> <li>The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>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: <ol style="list-style-type: none"> <li>Vertical or horizontal polarization (whichever gave the higher emission level</li> </ol> </li> </ol>
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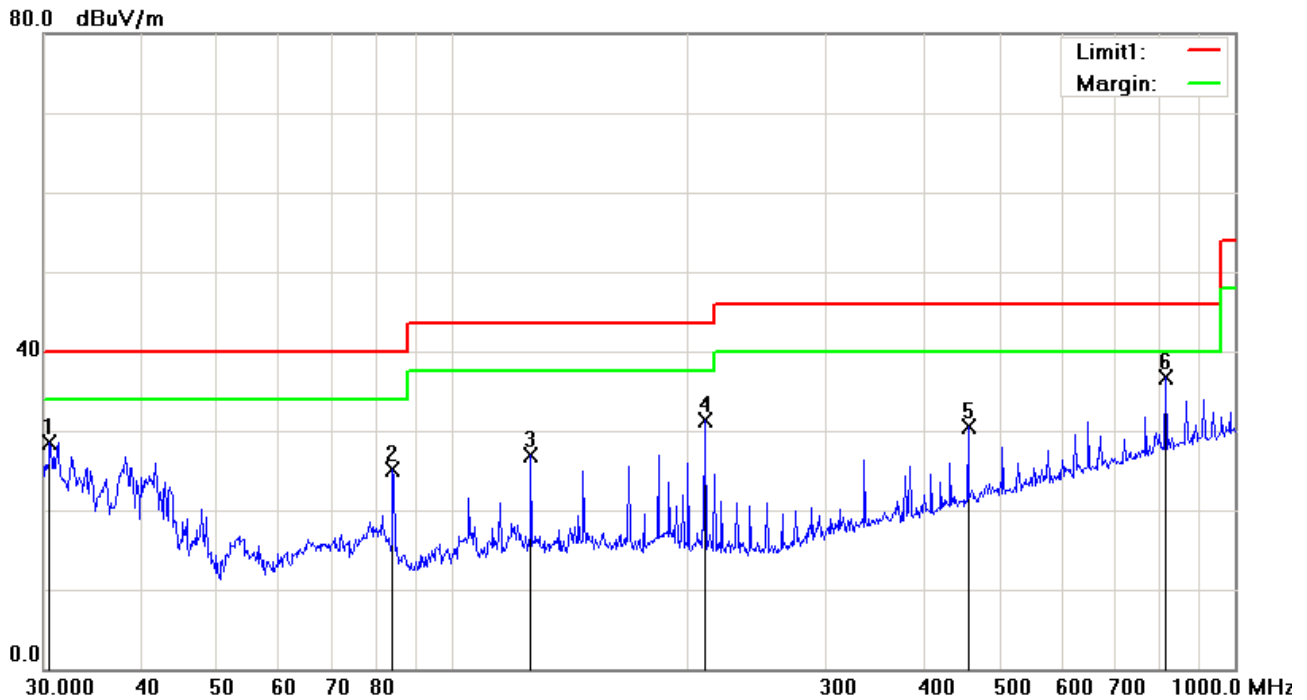
	<p>over a full rotation of the EUT) was chosen.</p> <p>b. The EUT was then rotated to the direction that gave the maximum emission.</p> <p>c. Finally, the antenna height was adjusted to the height that gave the maximum emission.</p> <p>3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi Peak detection at frequency below 1GHz.</p> <p>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.</p> <p>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.</p> <p>■ 1 kHz (Duty cycle &lt; 98%) □ 10 Hz (Duty cycle &gt; 98%)</p> <p>5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</p>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

**Test Mode 1:** SD Mode (Adaptor 1: TEKA006-0501000UKU)

### Below 1GHz



### Test Data

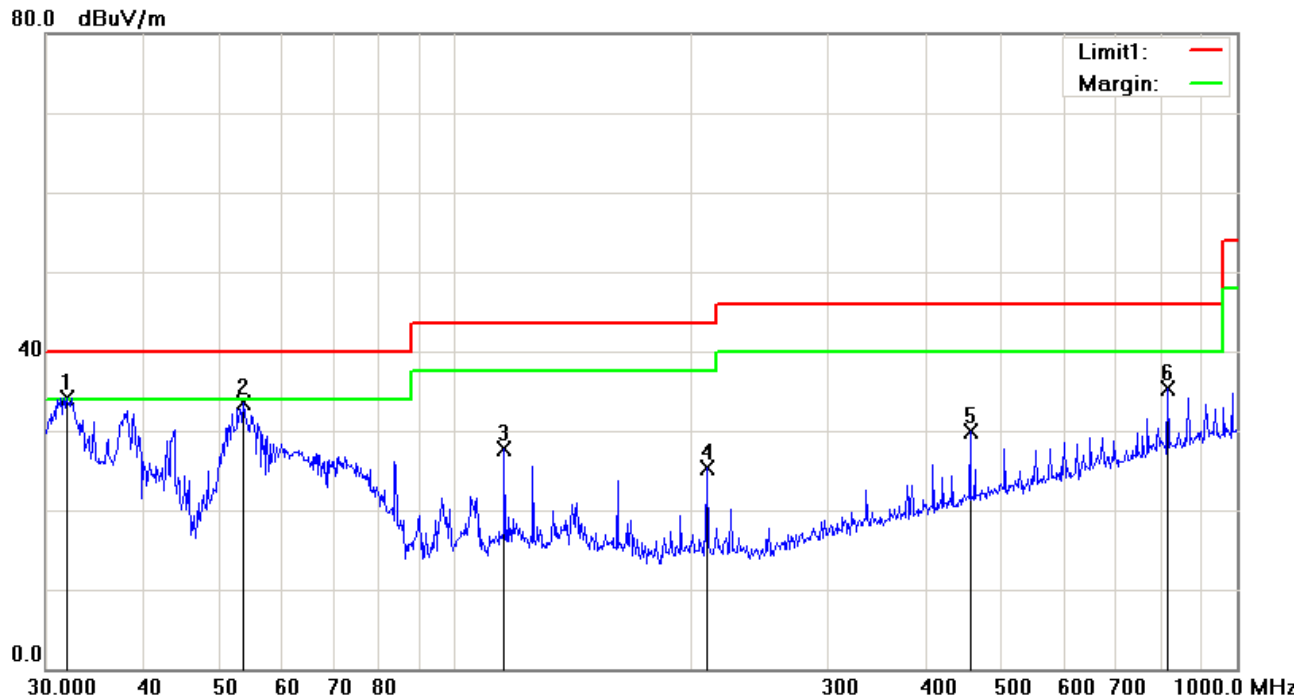
#### Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree	Comment
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )	
1	H	30.5306	29.15	peak	-0.66	28.49	40.00	-11.51	179	0	
2	H	83.8156	38.61	peak	-13.56	25.05	40.00	-14.95	200	205	
3	H	125.8864	34.49	peak	-7.67	26.82	43.50	-16.68	200	160	
4	H	210.0482	40.12	peak	-8.83	31.29	43.50	-12.21	100	289	
5	H	455.9058	33.33	peak	-2.92	30.41	46.00	-15.59	200	81	
6	H	815.9678	33.37	peak	3.40	36.77	46.00	-9.23	100	68	

### Above 1GHz

Note: The frequency that above 1GHz is mainly from the environment noise.

## Below 1GHz



## Test Data

### Vertical Polarity Plot @3m

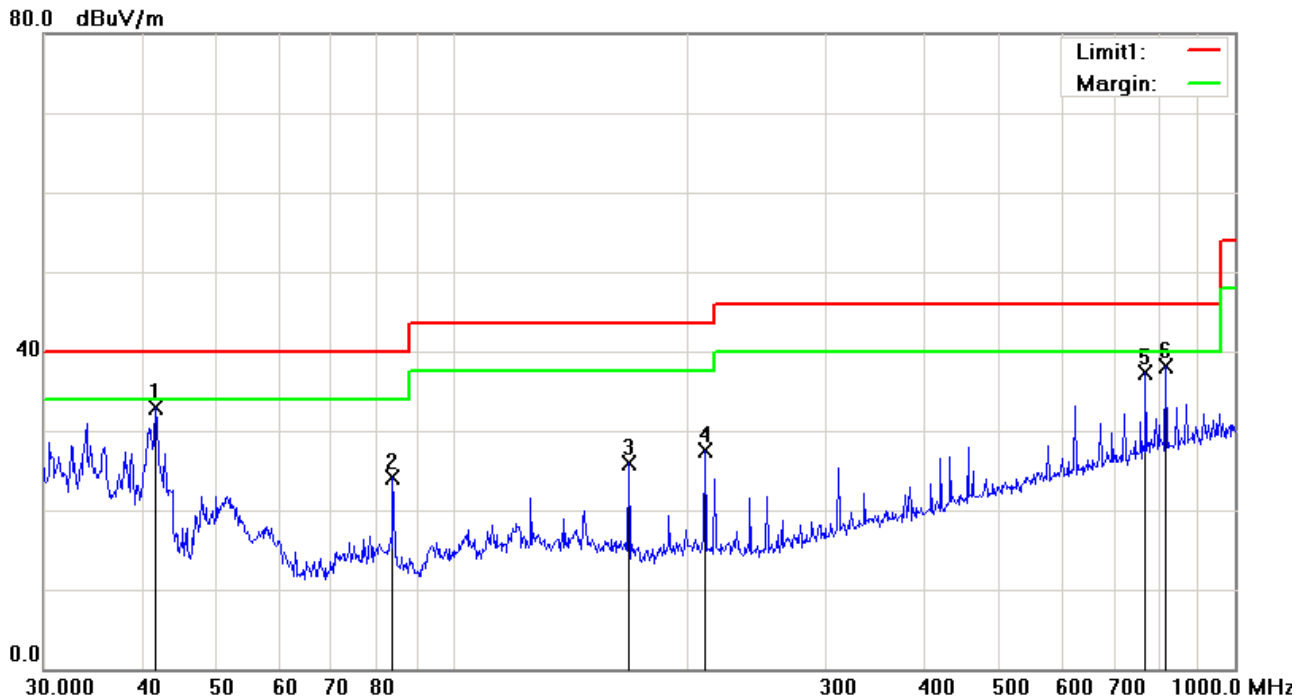
No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree	Comment
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )	
1	V	31.9546	35.89	peak	-1.71	34.18	40.00	-5.82	100	209	
2	V	53.6932	47.13	peak	-13.61	33.52	40.00	-6.48	120	0	
3	V	115.7256	35.73	peak	-8.04	27.69	43.50	-15.81	100	145	
4	V	210.0482	34.16	peak	-8.83	25.33	43.50	-18.17	182	0	
5	V	455.9058	32.75	peak	-2.92	29.83	46.00	-16.17	100	0	
6	V	815.9678	31.86	peak	3.40	35.26	46.00	-10.74	154	0	

## Above 1GHz

Note: The frequency that above 1GHz is mainly from the environment noise.

<b>Test Mode 2:</b>	<b>SD Mode (Adaptor 2: A31-3762-501000)</b>
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### Below 1GHz



### Test Data

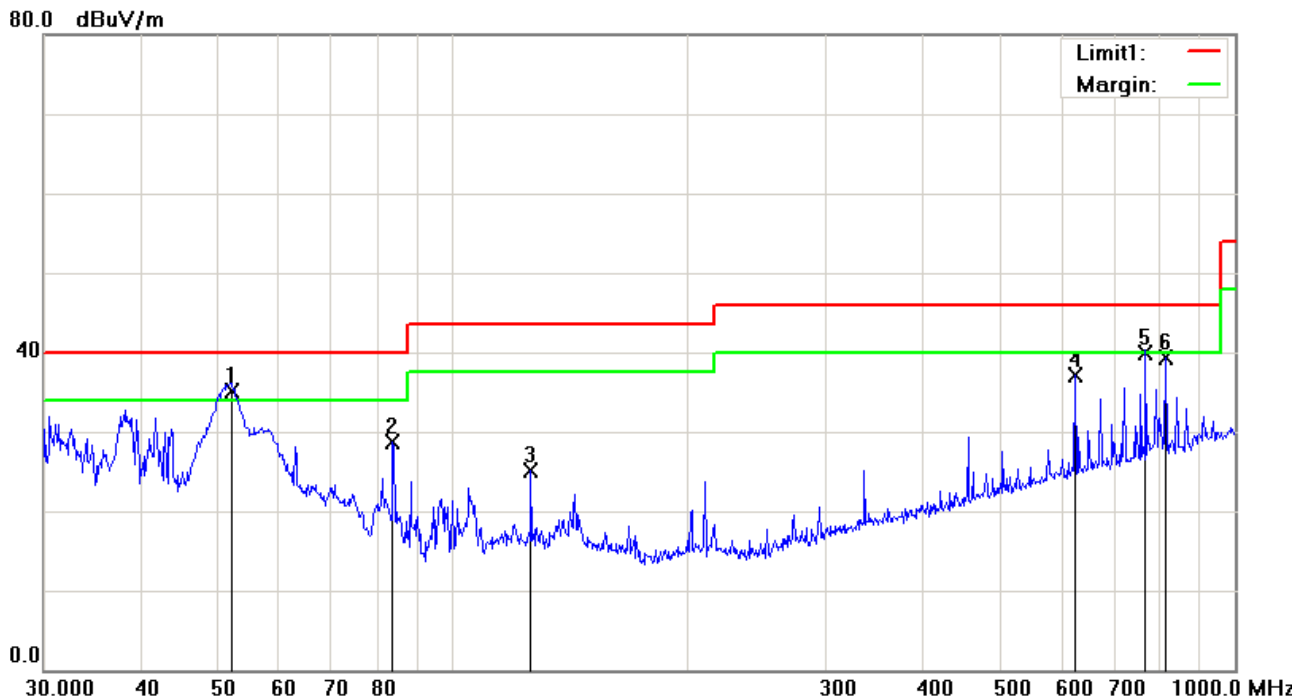
#### Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree	Comment
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )	
1	H	41.7130	41.58	peak	-8.73	32.85	40.00	-7.15	100	360	
2	H	83.8156	37.67	peak	-13.56	24.11	40.00	-15.89	200	199	
3	H	167.8243	34.77	peak	-8.92	25.85	43.50	-17.65	200	42	
4	H	210.0482	36.26	peak	-8.83	27.43	43.50	-16.07	100	36	
5	H	768.7482	34.68	peak	2.70	37.38	46.00	-8.62	100	246	
6	H	815.9678	34.62	peak	3.40	38.02	46.00	-7.98	200	143	

### Above 1GHz

Note: The frequency that above 1GHz is mainly from the environment noise.

### Below 1GHz



### Test Data

#### Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree	Comment
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )	
1	V	52.2079	48.46	QP	-13.44	35.02	40.00	-4.98	100	154	
2	V	83.8156	42.33	peak	-13.56	28.77	40.00	-11.23	100	229	
3	V	125.8864	32.73	peak	-7.67	25.06	43.50	-18.44	100	169	
4	V	625.0780	36.70	peak	0.42	37.12	46.00	-8.88	102	360	
5	V	768.7482	37.16	QP	2.70	39.86	46.00	-6.14	100	30	
6	V	815.9678	35.90	peak	3.40	39.30	46.00	-6.70	100	52	

### Above 1GHz

Note: The frequency that above 1GHz is mainly from the environment noise.

## Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
<b>AC Line Conducted Emissions</b>					
EMI test receiver	ESCS30	8471241027	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
Line Impedance Stabilization Network	LI-125A	191106	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
Line Impedance Stabilization Network	LI-125A	191107	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
LISN	ISN T800	34373	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
Transient Limiter	LIT-153	531118	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
<b>Radiated Emissions</b>					
EMI test receiver	ESL6	100262	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/25/2015	03/24/2016	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/22/2014	09/21/2015	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna	AH-118	71259	09/25/2014	09/24/2015	<input checked="" type="checkbox"/>



## Annex B. EUT And Test Setup Photographs

### Annex B.i. Photograph: EUT External Photo



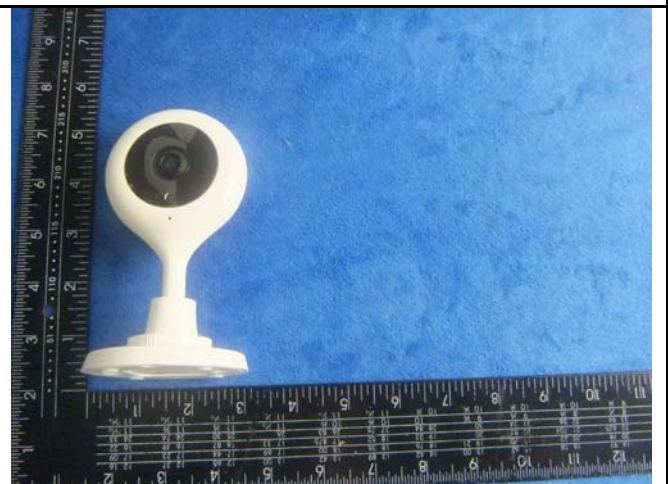
Whole package - Front View



Adapter 1 - Front View



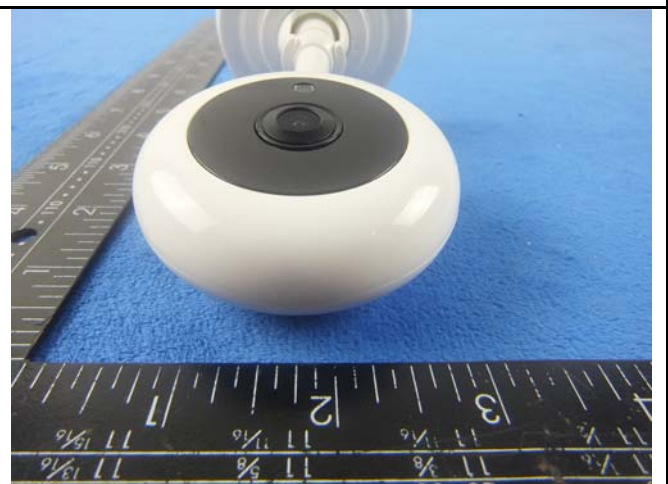
Adapter 2 - Front View



EUT - Front View



EUT - Rear View



EUT - Top View



EUT - Bottom View



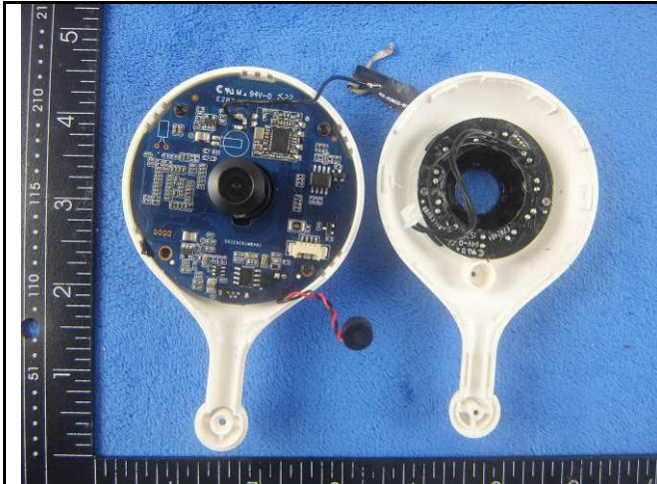
EUT - Left View



EUT - Right View



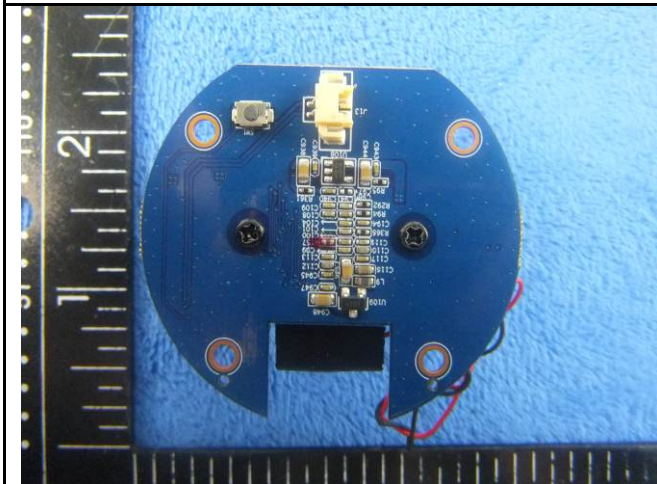
## Annex B.ii. Photograph: EUT Internal Photo



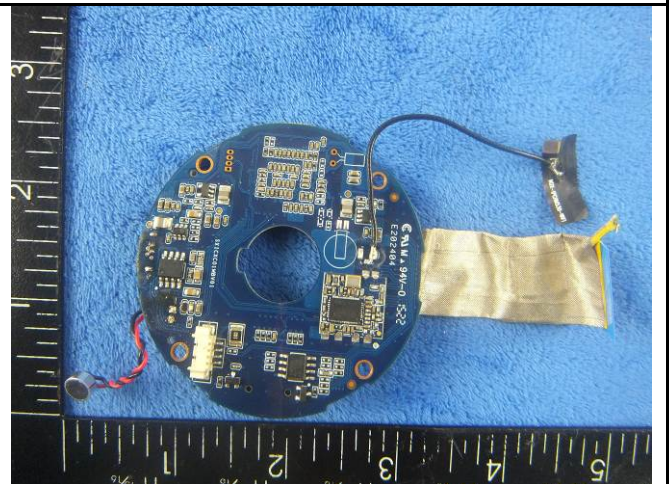
EUT - Uncover Front View



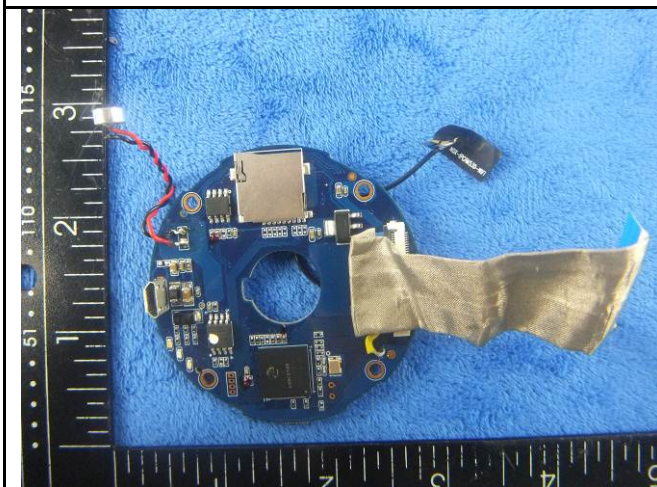
Camera Board - Front View



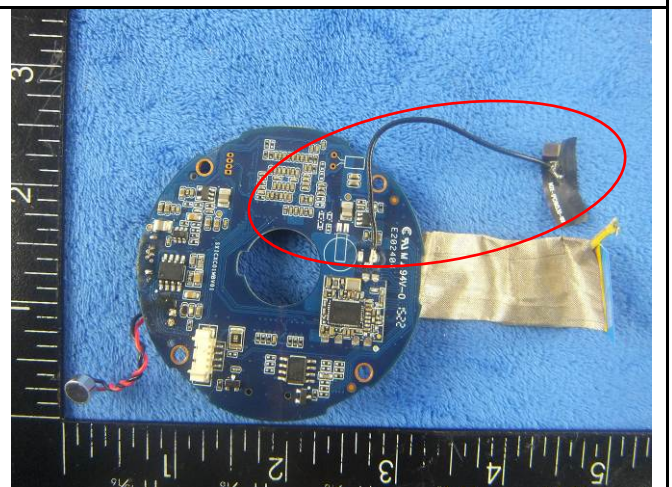
Camera Board - Rear View



Main Board-Front View



Main Board-Rear View



Antenna View



### Annex B.iii. Photograph: Test Setup Photo



Conducted Emission and Adapter 1– Front View



Conducted Emission and Adapter 1– Rear View



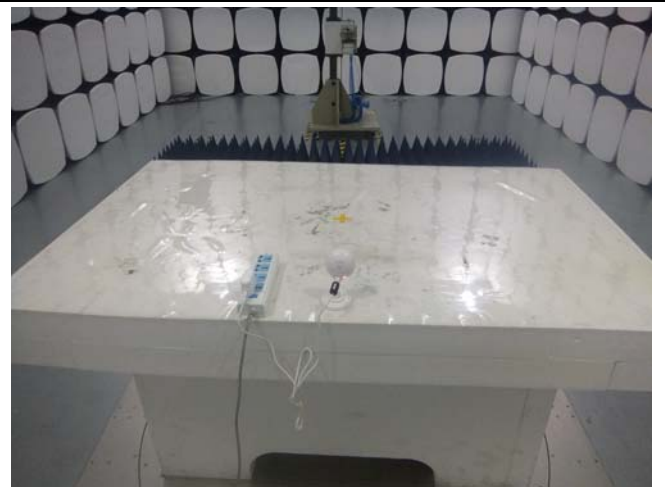
Conducted Emission and Adapter 2– Front View



Conducted Emission and Adapter 2– Rear View



Radiated Emission and Adapter 1-Below 1 GHz



Radiated Emission and Adapter 1-Above 1 GHz

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Radiated Emission and Adapter 2-Below 1 GHz

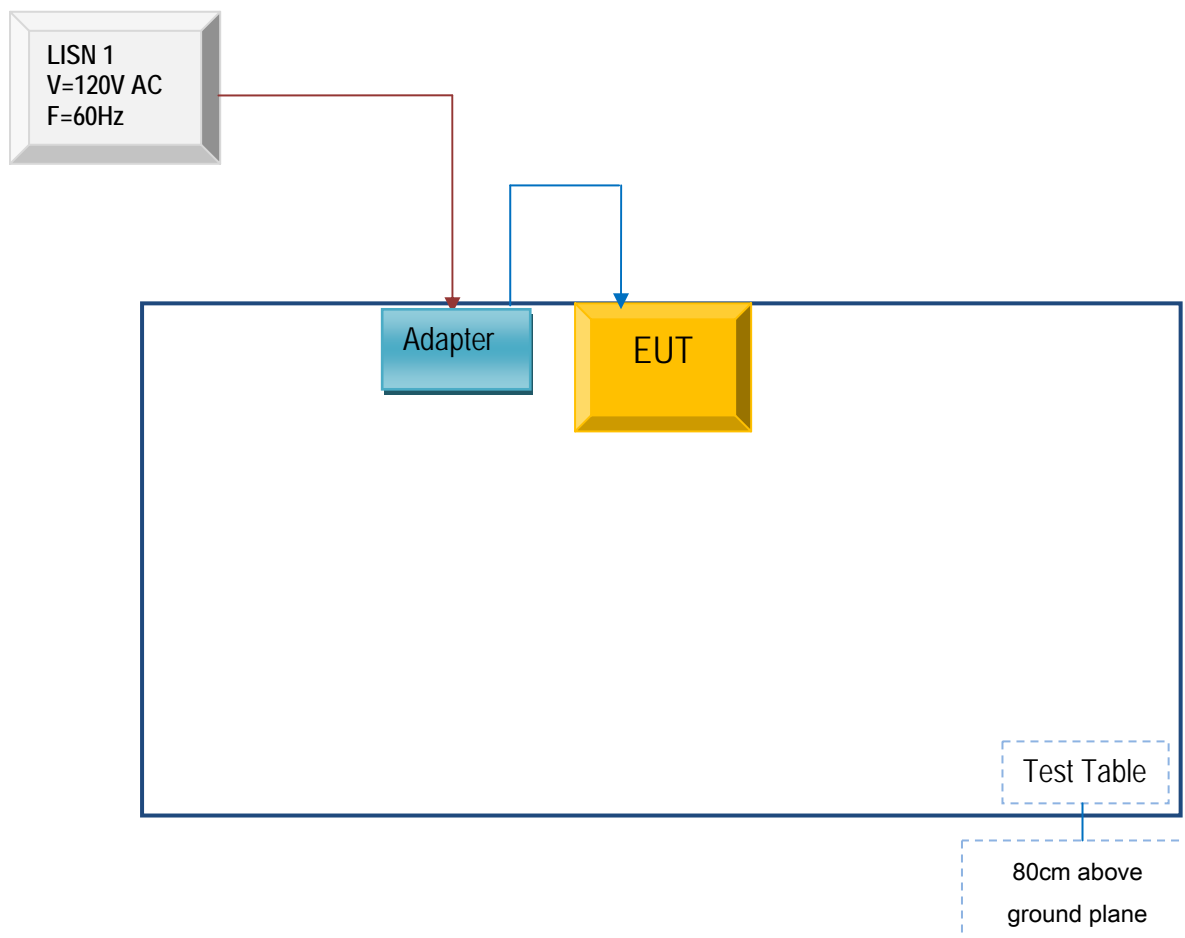


Radiated Emission and Adapter 2 - Above 1 GHz

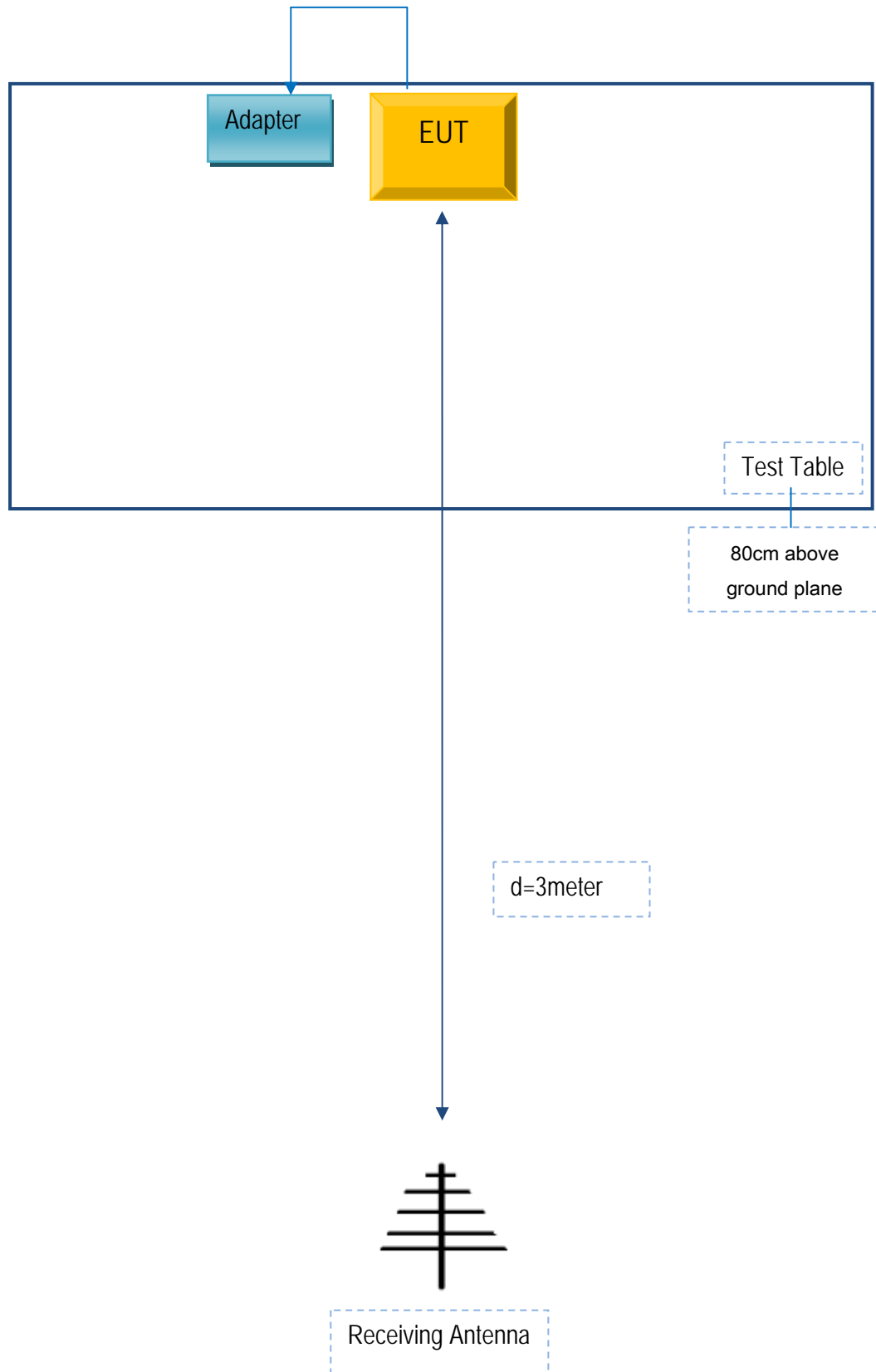
## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

### Annex C.ii. TEST SET UP BLOCK

#### Block Configuration Diagram for Conducted Emissions



## Block Configuration Diagram for Radiated Emissions



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## **Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION**

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

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
Apple	Mobile Phone	5S	N/A	N/A



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

Please see Attachment

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## Annex E. DECLARATION OF SIMILARITY

N/A