

TEST REPORT

of

FCC Part 15 Subpart B Verification

☒ New Application; ☐ Class I PC; ☐ Class II PC

Product : EPI MINI

Brand Name: EPI Mobile Health

Model: W518i

Model Difference: N/A

FCC Rule Part: Part 15 B, Verification

Applicant: EPI Mobile Health Solutions (S) Pte Ltd

Address: 8 Ubi View #03-01 Serial System Building
Singapore 408554

Test Performed by:

International Standards Laboratory

<Lung-Tan LAB>

*Site Registration No.

BSMI: SL2-IN-E-0013; MRA TW1036; TAF: 0997; IC: IC4067B-3;

*Address:

No. 120, Lane 180, San Ho Tsuen, Hsin Ho Rd.

Lung-Tan Hsiang, Tao Yuan County 325, Taiwan

*Tel : 886-3-407-1718; Fax: 886-3-407-1738

Report No.: **ISL-13LR250FB**

Issue Date : **2013/12/23**

Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein.

This report MUST not be used to claim product endorsement by TAF, NVLAP or any agency of the Government.

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VERIFICATION OF COMPLIANCE

Applicant: EPI Mobile Health Solutions (S) Pte Ltd
Product Description: EPI MINI
Brand Name: EPI Mobile Health
Model No.: W518i
Model Difference: N/A
FCC Rule Part: Part 15 B, Verification
Date of test: 2013/11/28 ~ 2013/12/23
Date of EUT Received: 2013/11/28

We hereby certify that:

All the tests in this report have been performed and recorded in accordance with the standards described above and performed by an independent electromagnetic compatibility consultant, International Standards Laboratory.

The test results contained in this report accurately represent the measurements of the characteristics and the energy generated by sample equipment under test at the time of the test. The sample equipment tested as described in this report is in compliance with the limits of above standards.

Test By:**Date:**

2013/12/23

*Jason Chao / Engineer***Prepared By:****Date:**

2013/12/23

*Eva Kao / Technical Supervisor***Approved By:****Date:**

2013/12/23

Vincent Su / Technical Manager

Version

Version No.	Date	Description
00	2013/12/23	Initial creation of document

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1. GENERAL INFORMATION

1.1. Product Description

General:

Product Name:	EPI MINI	
Brand Name:	EPI Mobile Health	
Model Name:	W518i	
Model Different:	N/A	
USB Port:	One mini USB port for battery charger	
Power Supply:	3.7VDC form Li-ion Battery or 5VDC from Power Adaptor	
	Battery:	Model: N/A
	Adaptor;	Model: AU1050501e

Bluetooth:

Frequency Range:	2402 – 2480MHz
Bluetooth Version:	V4.0
Channel number:	40 channels
Modulation type:	GFSK
Transmit Power:	4.88 dBm
Dwell Time:	N/A
Operating Mode:	Point-to-Point
Antenna Designation:	Chip Antenna: 0 dBi.

The EUT is compliance with Bluetooth 4.0 Standard.

1.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for Part15 Subpart B, is authorized under Verification procedure.

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4: 2009). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4. Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of **International Standards Laboratory** <Lung-Tan LAB> No. 120, Lane 180, San Ho Tsuen, Hsin Ho Rd., Lung-Tan Hsiang, Tao Yuan County 325, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2009. FCC Registration Number is: TW1036, Canada Registration Number: 4067B-3.

1.5. Special Accessories

Not available for this EUT intended for grant.

1.6. Equipment Modifications

Not available for this EUT intended for grant.

2. System Test Configuration

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

1. Air Link DUT with mobile phone, to monitor the pulse.

2.3. Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 7 of ANSI C63.4: 2009. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna. according to the requirements in Section 8 of ANSI C63.4: 2009.

2.4. Limitation

(1) Radiated Emission

According to section 15.109(a). Radiated Emission Class B Limits is as following:

Frequency (MHz)	Field strength $\mu\text{V/m}$	Distance (m)	Field strength at 3m $\text{dB}\mu\text{V/m}$
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54

Standard	Date	Description
CISPR 22	2006	Limits and methods of measurement of radio interference characteristics of information technology equipment.

CISPR 22 Limit:

Frequency range MHz	Limits $\text{dB}\mu\text{V/m}$ (10m)
	Quasi-peak
30 to 230	30
230 to 1000	37

Frequency range GHz	Limits $\text{dB}\mu\text{V/m}$ (3m)	
	Average	Peak
1 to 3	50	70
3 to 6	54	74

- Remark: 1. Emission level in $\text{dB}\mu\text{V/m}=20 \log (\mu\text{V/m})$
 2. Measurement was performed at an antenna to the closed point of EUT distance of 3 meters.

2.5. Configuration of Tested System

Fig. 1-1 Configuration 1

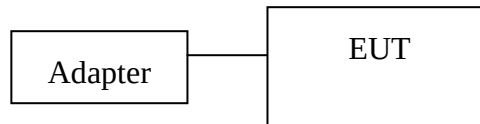
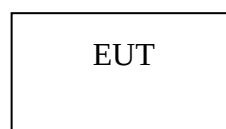


Fig. 1-2 Configuration 2



Remote side



Table 1-1 Support Equipment Used in Tested System

No	Unit	Model/Serial No.	Brand	Power Cord	FCC ID
1	GALAXY Note 3	SM-N9005/ RF1DA654DER	SAMSUNG	N/A	N/A

I/O Cable Condition of EUT and Support Units

Description	Path	Cable Length	Cable Type	Connector Type
USB Cable	Adapter to EUT USB Port	1M	Shielded	Metal Head

Note: All the above equipment/cables were placed in worse case positions to maximize emission signals during emission test.

Grounding: Grounding was in accordance with the manufacturer's requirements and conditions for the intended use.

3. Summary of Test Results

FCC Rules	Description Of Test	Result
§15.107 CISPR 22	Conducted Emission Class B	Compliant
§15.109 CISPR 22	Radiated Emission(Below 1GHz) Class B	Compliant
§15.109	Radiated Emission(above 1GHz) Class B	Compliant

4. Description of test modes

Test Plan

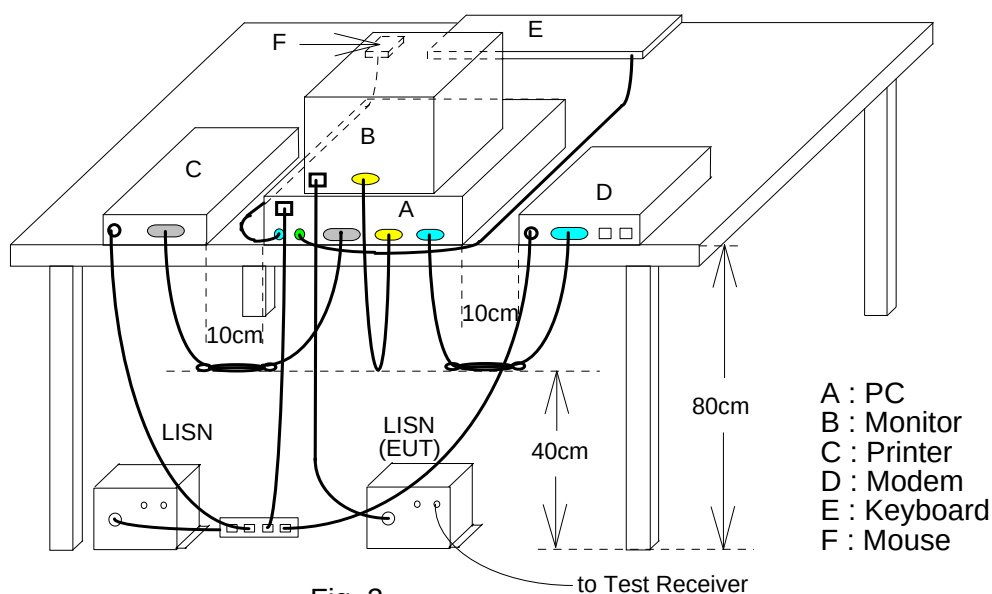
	Config 1	Config 2
Applicable standard	Part 15B	
Accessories	UE + Adapter	UE + Mobile phone
15.107 conducted emission (AC Power)	Measured	N/A
15.109 radiated emission (30M-1GHz) (1-18GHz)	Measured	Measured

5. Conducted Emissions Test

5.1. Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

5.2. Test SET-UP (Block Diagram of Configuration)



5.3. Measurement Equipment Used:

Location Con04	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Conduction 04	EMI Receiver 16	Rohde & Schwarz	ESCI	101221	06/13/2013	06/13/2014
Conduction 04	LISN 18	ROHDE & SCHWARZ	ENV216	101424	03/13/2013	03/13/2014
Conduction 04	LISN 19	ROHDE & SCHWARZ	ENV216	101425	03/13/2013	03/13/2014
Conduction 04	INS T8 07	Teseq GmbH	ISN T800	30834	05/31/2013	05/31/2014
Conduction 04	Conduction 04-2 Cable	HUBER SUHNER	RG 214/U	Conduction 04-2	09/24/2013	09/24/2014

5.4. Measurement Result:

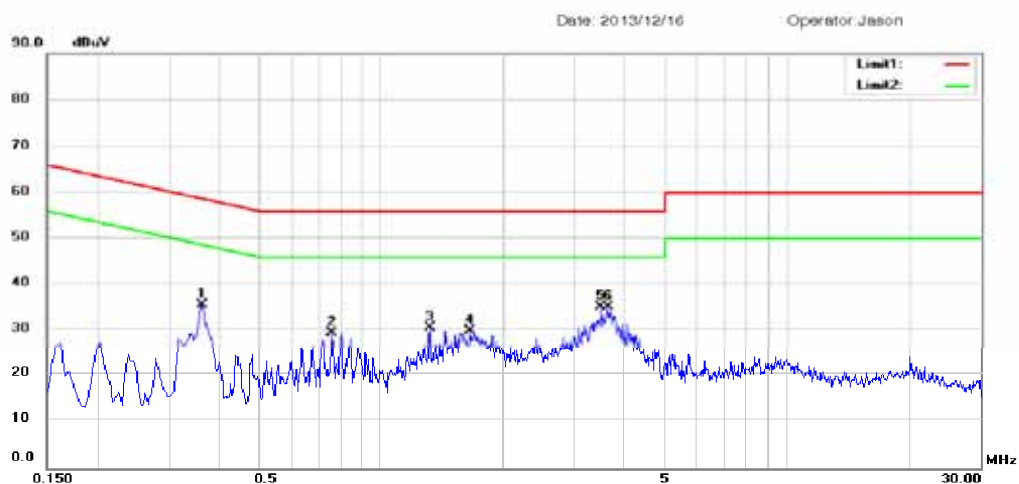
The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	Config 1	Test Date:	2013/12/16
Test By:	Jason		



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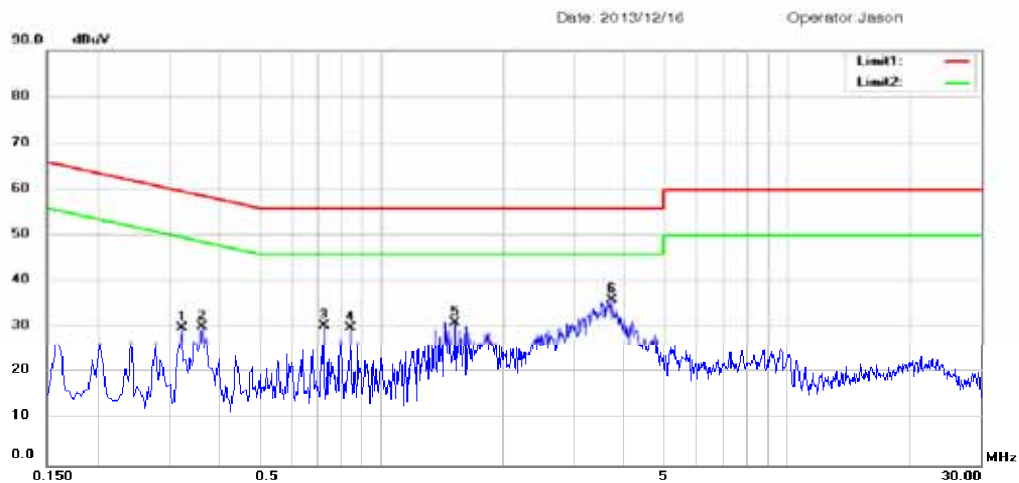
Site: Conduction 04 Phase: **L1** Temperature: 26 °C
Condition: Conduction Humidity: 54 %

No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)				
		MHz	Peak	QP		AVG	(dB)	peak	QP	AVG	P/Q	AVG	P/Q	AVG	P/F
1	*	0.3620	26.07	25.62	20.98	9.63	35.70	35.25	30.61	58.68	48.68	-23.43	-18.07		
2		0.7580	19.98	16.80	13.33	9.64	29.62	26.44	22.97	56.00	46.00	-29.56	-23.03		
3		1.3220	20.99	13.54	7.63	9.64	30.63	23.18	17.27	56.00	46.00	-32.82	-28.73		
4		1.6580	20.33	14.57	7.77	9.64	29.97	24.21	17.41	56.00	46.00	-31.79	-28.59		
5		3.4860	25.56	19.73	9.04	9.67	35.23	29.40	18.71	56.00	46.00	-26.60	-27.29		
6		3.6300	25.46	19.36	8.61	9.67	35.13	29.03	18.28	56.00	46.00	-26.97	-27.72		

*:Maximum data x:Over limit !:over margin



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Site: Conduction 04 Phase: **N** Temperature: 26 °C
 Condition: Conduction Humidity: 54 %

No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor (dB)	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	P/Q	AVG	P/Q	AVG		
1	0.3220	20.42	12.08	5.42	9.60	30.02	21.68	15.02	59.66	49.66	-37.98	-34.64		
2 *	0.3620	20.76	23.00	15.69	9.60	30.36	32.60	25.29	58.68	48.68	-26.08	-23.39		
3	0.7220	20.91	13.24	5.85	9.61	30.52	22.85	15.46	56.00	46.00	-33.15	-30.54		
4	0.8420	20.41	13.73	6.74	9.61	30.02	23.34	16.35	56.00	46.00	-32.66	-29.65		
5	1.5260	21.64	13.00	4.28	9.62	31.26	22.62	13.90	56.00	46.00	-33.38	-32.10		
6	3.6940	26.37	20.93	6.52	9.65	36.02	30.58	16.17	56.00	46.00	-25.42	-29.83		

*:Maximum data x:Over limit !:over margin

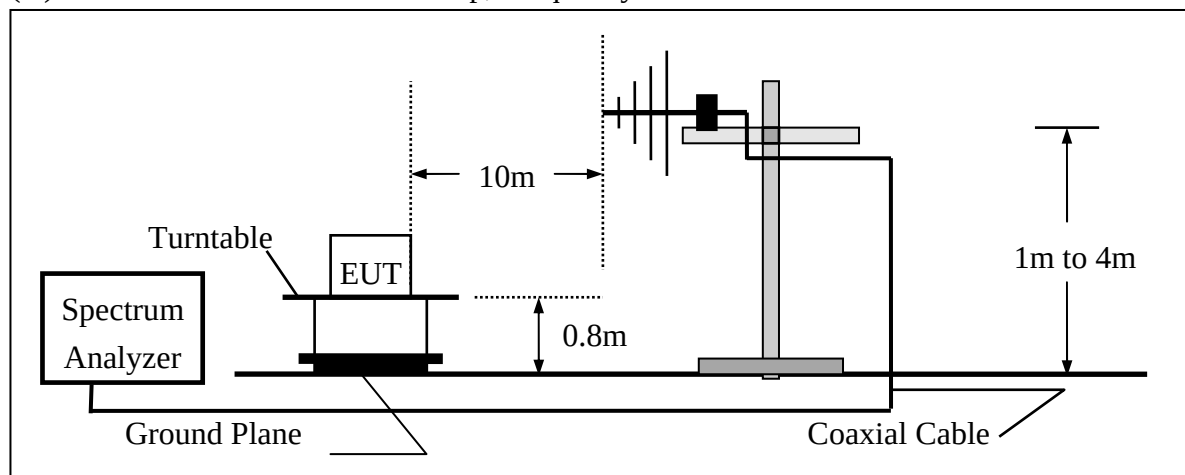
6. Radiated Emission Test

6.1. Measurement Procedure

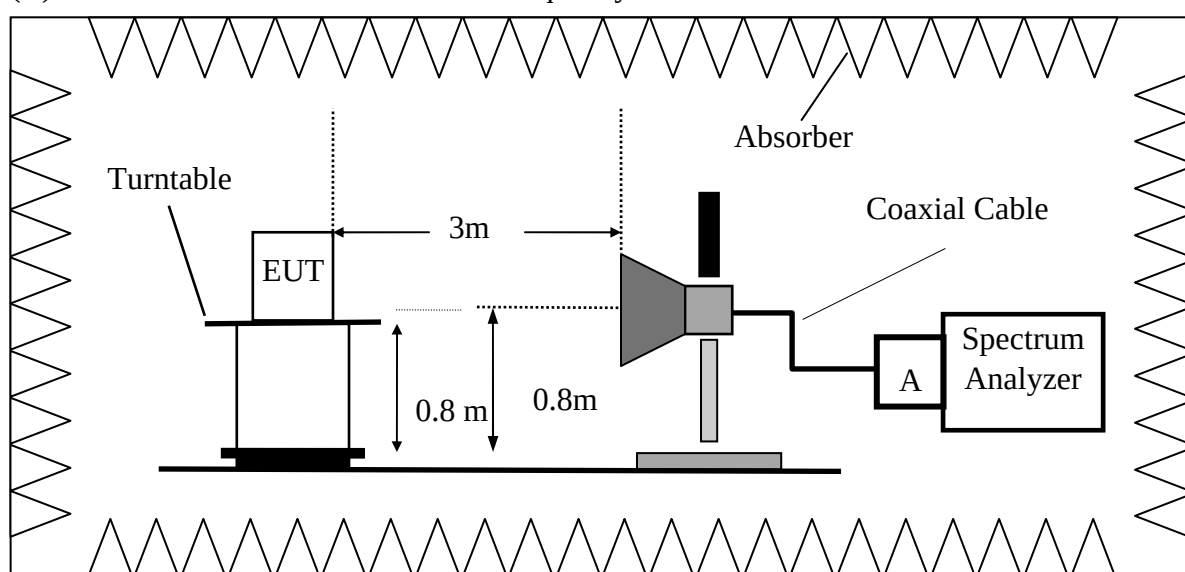
1. EUT was placed on an 0.8m wooden table.
2. Set up EUT with support units and turn on the power of all equipment.
3. Link the EUT with Telecommunication tester, setup the test mode. The transmitter operating at continuously mode and max output rated power.
4. The receive antenna is placed at 10m(3m for above 1GHz) distance from the EUT and search height from 1-4m.
5. The turntable was slowly rotated to locate the direction of maximum emission. Once maximum direction is determined, the search antenna was raised and lowered in both vertical and horizontal polarizations.

6.2. Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



6.3. Measurement Equipment Used:

Location Chamber02	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Radiation (Chamber02)	BILOG Antenna 15	Teseq GmbH	CBL6112D	27622	01/25/2013	01/25/2014
Radiation (Chamber02)	Coaxial Cable Chmb 02-10M-02	MIYAZAK	8D-FB	Chmb 02-10M-02	10/14/2013	10/14/2014
Radiation (Chamber02)	EMI Receiver 12	ROHDE & SCHWARZ	ESCI	100804	07/11/2013	07/11/2014

Location Chamber14	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Rad. Above 1GHz	Spectrum Analyzer 24 (1G~26.5GHz)	Agilent	N9010A	MY49060537	07/18/2013	07/18/2014
Rad. Above 1GHz	Spectrum Analyzer 22(chamber12)	R&S	FSU43	100143	05/03/2013	05/03/2014
Rad. Above 1GHz	Horn Antenna 06 (1G~18G)	ETS	3117	00066665	11/04/2013	11/04/2014
Rad. Above 1GHz	Horn Antenna 04 (18G~26G)	Com-Power	AH-826	081-001	05/14/2013	05/14/2015
Rad. Above 1GHz	Horn Antenna 05 (26G~40G)	Com-Power	AH-640	100A	01/09/2013	01/09/2015
Rad. Above 1GHz	Microwave Cable 20 (1G~18G)	HUBER SUHNER	SUCOFLEX 106	67618/6 and 67619/6	02/06/2013	02/06/2014
Rad. Above 1GHz	Microwave Cable 21 (1G~40G)	HUBER SUHNER	SUCOFLEX 102	MY2957/2 & MY2958/2	08/09/2013	08/09/2014
Rad. Above 1GHz	Preamplifier 13	MITEQ	JS44-0010180 0-25-10P-44	1329256	07/18/2013	07/18/2014
Rad. Above 1GHz	Preamplifier 23 (18G~40G)	EMC I	EMC184045B	980158	06/02/2013	06/02/2014
Rad. Above 1GHz	Microwave Cable-01_2010	HUBER SUHNER	SUCOFLEX 102	35145/2	10/09/2013	10/09/2014
Rad. Above 1GHz	Microwave Cable-08	HUBER SUHNER	SUCOFLEX 102	35633/2	10/09/2013	10/09/2014

6.4. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

Measurement Result:

Operation Mode	Config 1	Test Date	2013/12/17
Test by	Jason	Pol	Vertical



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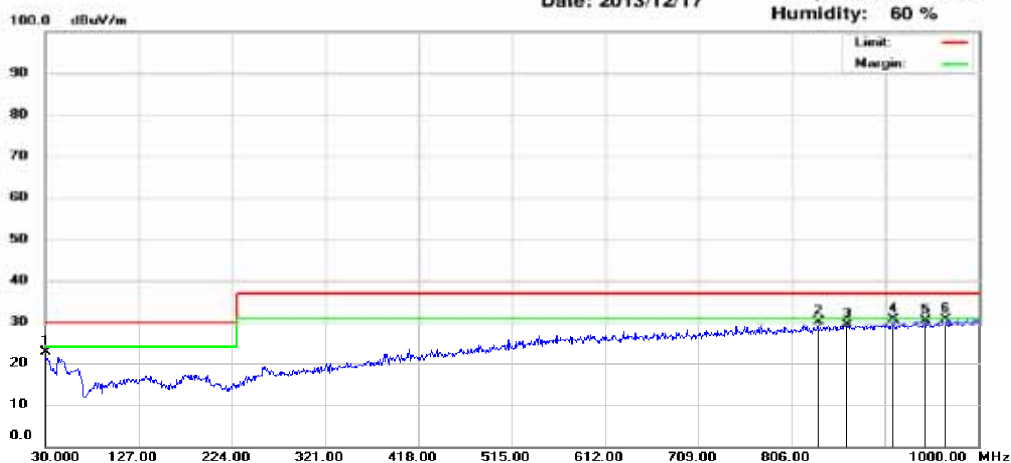
Radiated Emission Measurement

Date: 2013/12/17

Operator: Anson J Huang

Temperature: 26 °C

Humidity: 60 %



Site : Chamber 02

Condition : CISPR22 ClassB 10M Radiation

Polarization: *Vertical*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	30.00	2.73	19.79	22.52	30.00	-7.48	383	252	peak
2	833.16	4.16	26.03	30.19	37.00	-6.81	100	33	peak
3	863.23	3.09	26.37	29.46	37.00	-7.54	100	22	peak
4	910.76	3.99	26.76	30.75	37.00	-6.25	180	166	peak
5	944.71	3.20	27.09	30.29	37.00	-6.71	275	241	peak
6	966.05	3.20	27.37	30.57	37.00	-6.43	136	35	peak



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Radiated Emission Measurement

Date: 2013/12/16

Operator: Ray
 Temperature: 26 °C
 Humidity: 60 %



Site : Chamber 14

Condition : FCC Class B Radiation(Peak)

Polarization: *Vertical*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	1884.00	53.71	-13.14	40.57	74.00	-33.43	219	199	peak
2	1986.00	53.94	-12.36	41.58	74.00	-32.42	100	122	peak
3	3023.00	53.45	-10.10	43.35	74.00	-30.65	130	183	peak
4	3363.00	54.65	-10.03	44.62	74.00	-29.38	304	348	peak
5	3975.00	53.20	-9.33	43.87	74.00	-30.13	100	354	peak
6	5505.00	53.41	-8.19	45.22	74.00	-28.78	100	125	peak

Operation Mode	Config 1	Test Date	2013/12/17
Test by	Jason	Pol	Horizontal



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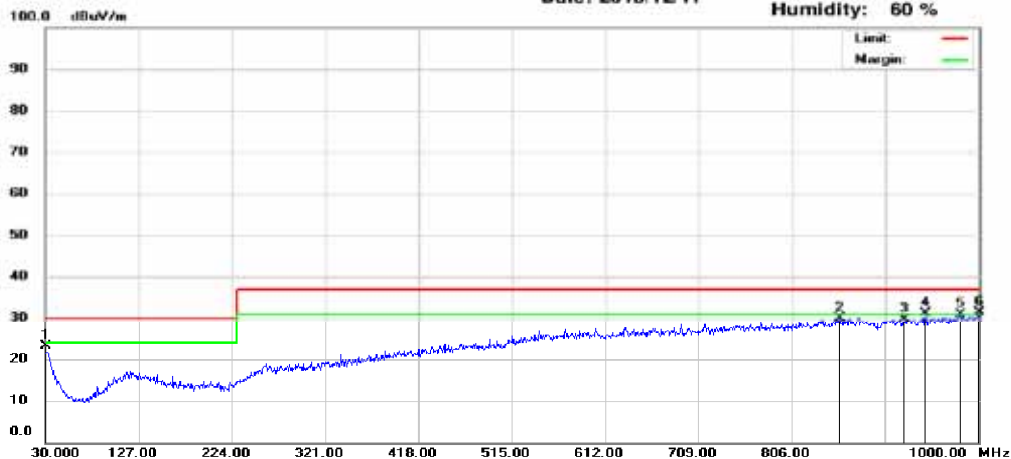
Radiated Emission Measurement

Date: 2013/12/17

Operator: Anson J Huang

Temperature: 26 °C

Humidity: 60 %



Site : Chamber 02

Condition : CISPR22 ClassB 10M Radiation

Polarization: *Horizontal*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	30.00	3.42	19.79	23.21	30.00	-6.79	114	271	peak
2	855.47	3.47	26.31	29.78	37.00	-7.22	365	127	peak
3	922.40	2.84	26.87	29.71	37.00	-7.29	243	332	peak
4	944.71	3.93	27.09	31.02	37.00	-5.98	100	246	peak
5	981.57	3.21	27.60	30.81	37.00	-6.19	189	95	peak
6	1000.00	3.61	27.86	31.47	37.00	-5.53	100	250	peak



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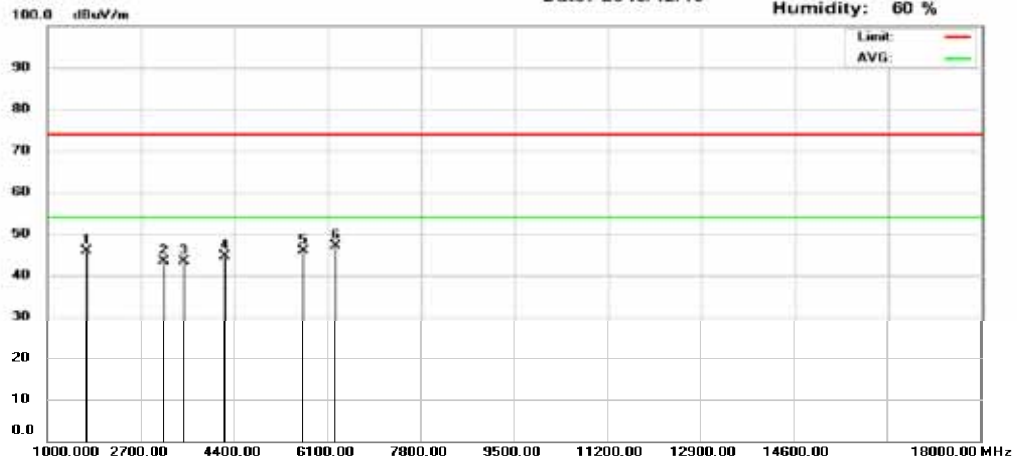
Radiated Emission Measurement

Date: 2013/12/16

Operator: Ray

Temperature: 26 °C

Humidity: 60 %



Site : Chamber 14

Condition : FCC Class B Radiation(Peak)

Polarization: *Horizontal*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	1714.00	60.40	-14.46	45.94	74.00	-28.06	246	349	peak
2	3125.00	53.39	-10.08	43.31	74.00	-30.69	311	336	peak
3	3482.00	53.36	-10.02	43.34	74.00	-30.66	100	96	peak
4	4230.00	53.78	-9.22	44.56	74.00	-29.44	187	222	peak
5	5658.00	53.70	-7.89	45.81	74.00	-28.19	100	31	peak
6	6236.00	53.86	-6.77	47.09	74.00	-26.91	100	24	peak

Measurement Result:

Operation Mode	Config 2	Test Date	2013/12/17
Test by	Jason	Pol	Vertical



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Tel: 03-4071718

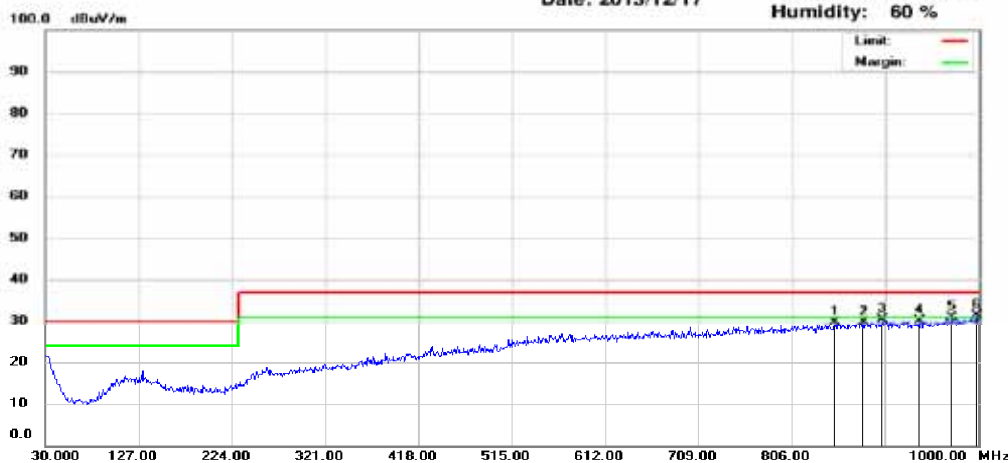
Radiated Emission Measurement

Date: 2013/12/17

Operator: Anson J Huang

Temperature: 26 °C

Humidity: 60 %



Site : Chamber 02

Condition : CISPR22 ClassB 10M Radiation

Polarization: *Vertical*

Mk.	Frequency (MHz)	R _X R (dBuV)	Correct Factor (dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	850.62	3.33	26.27	29.60	37.00	-7.40	100	178	peak
2	880.69	3.20	26.51	29.71	37.00	-7.29	100	322	peak
3	899.12	3.70	26.66	30.36	37.00	-6.64	233	57	peak
4	937.92	3.03	27.03	30.06	37.00	-6.94	388	103	peak
5	971.87	3.34	27.46	30.80	37.00	-6.20	311	340	peak
6	998.06	3.49	27.83	31.32	37.00	-5.68	100	258	peak



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Radiated Emission Measurement

Date: 2013/12/16

Operator: Ray
 Temperature: 26 °C
 Humidity: 60 %



Site : Chamber 14

Condition : FCC Class B Radiation(Peak)

Polarization: *Vertical*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	1663.00	53.14	-14.87	38.27	74.00	-35.73	240	350	peak
2	2241.00	53.65	-11.77	41.88	74.00	-32.12	100	7	peak
3	3227.00	53.57	-10.06	43.51	74.00	-30.49	100	5	peak
4	4094.00	53.54	-9.26	44.28	74.00	-29.72	135	170	peak
5	5556.00	53.46	-8.09	45.37	74.00	-28.63	173	284	peak
6	6389.00	53.12	-6.47	46.65	74.00	-27.35	231	108	peak

Operation Mode	Config 2	Test Date	2013/12/17
Test by	Jason	Pol	Horizontal



Address: No.120, Lane 180, San Ho Tsuen, Hsin Ho Road
Lung-Tan Hsiang, Tao Yuan Conty, Taiwan R.O.C.
Tel: 03-4071718

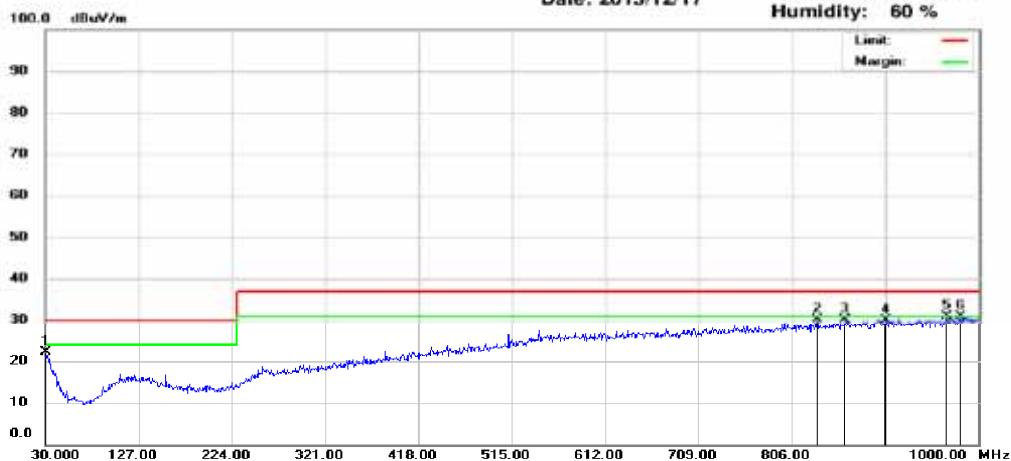
Radiated Emission Measurement

Date: 2013/12/17

Operator: Anson J Huang

Temperature: 26 °C

Humidity: 60 %



Site : Chamber 02

Condition : CISPR22 ClassB 10M Radiation

Polarization: *Horizontal*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	30.00	2.25	19.79	22.04	30.00	-7.96	135	156	peak
2	832.19	4.03	26.02	30.05	37.00	-6.95	100	341	peak
3	861.29	3.69	26.36	30.05	37.00	-6.95	381	234	peak
4	903.97	3.18	26.69	29.87	37.00	-7.13	243	350	peak
5	967.02	3.51	27.38	30.89	37.00	-6.11	397	73	peak
6	980.60	3.27	27.58	30.85	37.00	-6.15	279	228	peak

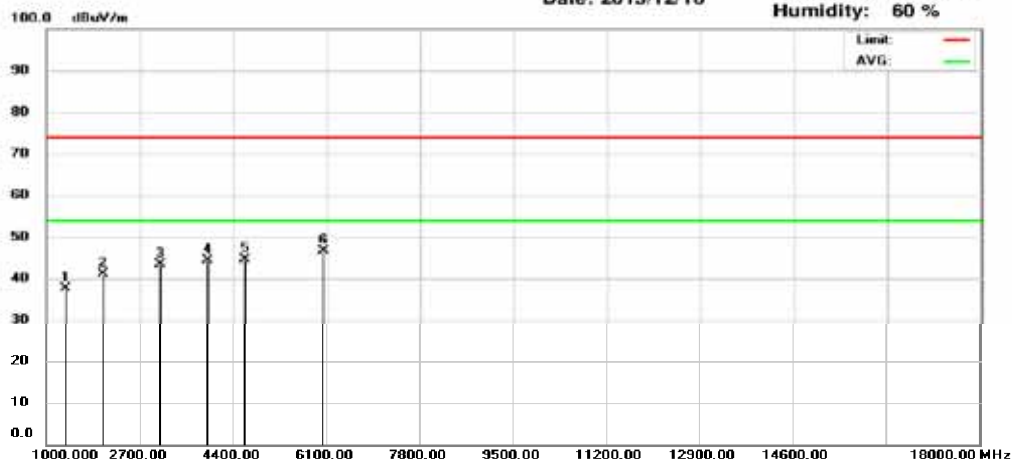


Address: No.120, Lane 180, San Ho Tsuen, Hsin Ho Road
 , Lung-Tan Hsiang, Tao Yuan Conty, Taiwan R.O.C.
 Tel: 03-4071718

Radiated Emission Measurement

Date: 2013/12/16

Operator: Ray
 Temperature: 26 °C
 Humidity: 60 %



Site : Chamber 14

Condition : FCC Class B Radiation(Peak)

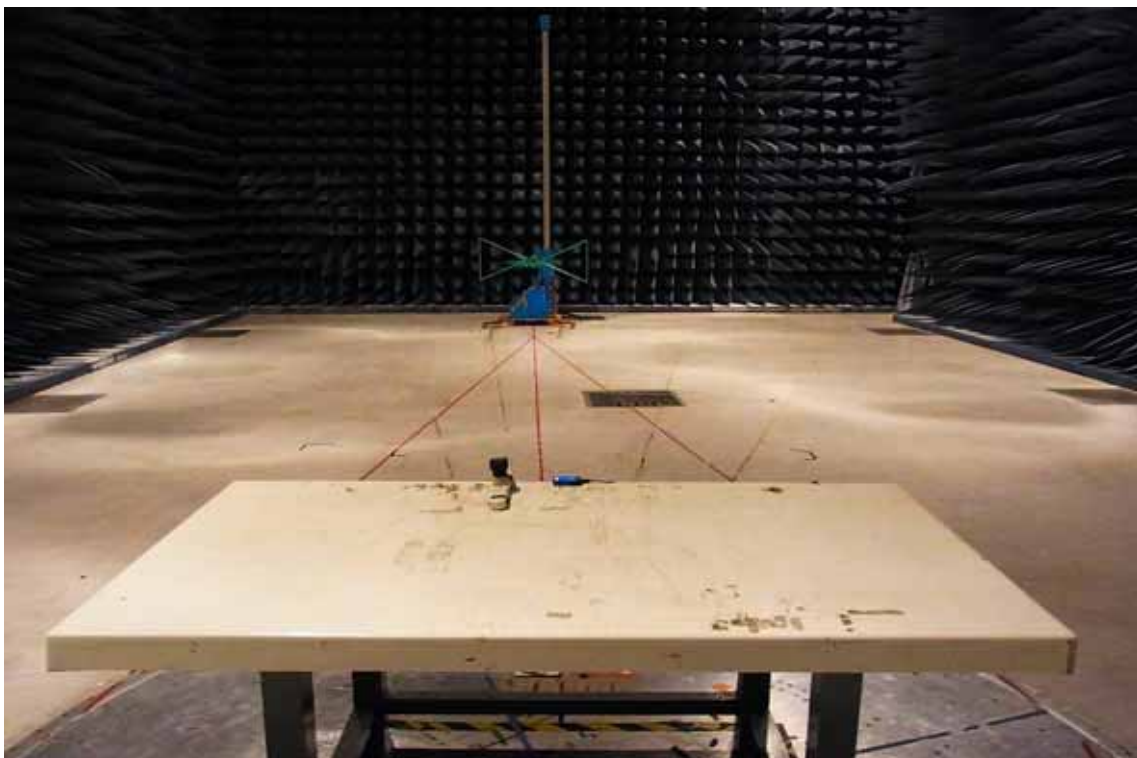
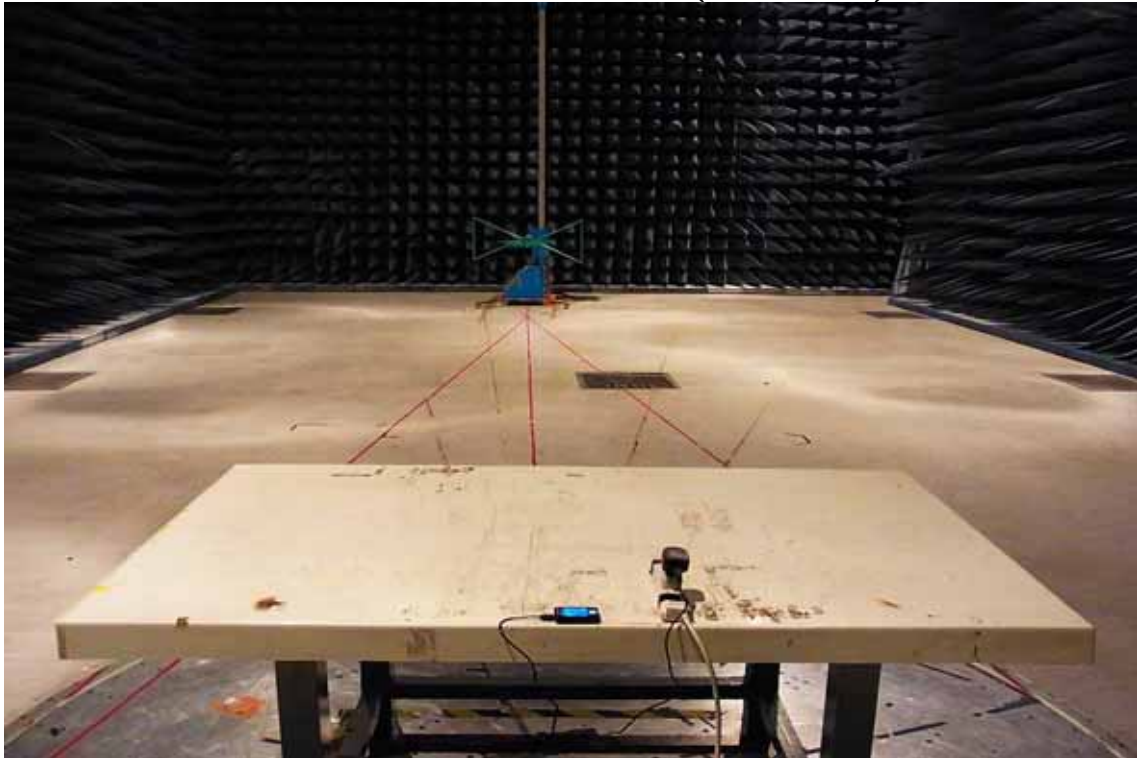
Polarization: *Horizontal*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor(dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	1340.00	53.93	-16.26	37.67	74.00	-36.33	264	344	peak
2	2037.00	53.42	-12.18	41.24	74.00	-32.76	100	309	peak
3	3074.00	53.51	-10.09	43.42	74.00	-30.58	100	213	peak
4	3941.00	53.64	-9.38	44.26	74.00	-29.74	156	147	peak
5	4621.00	53.70	-9.05	44.65	74.00	-29.35	131	125	peak
6	6032.00	53.84	-7.18	46.66	74.00	-27.34	194	201	peak

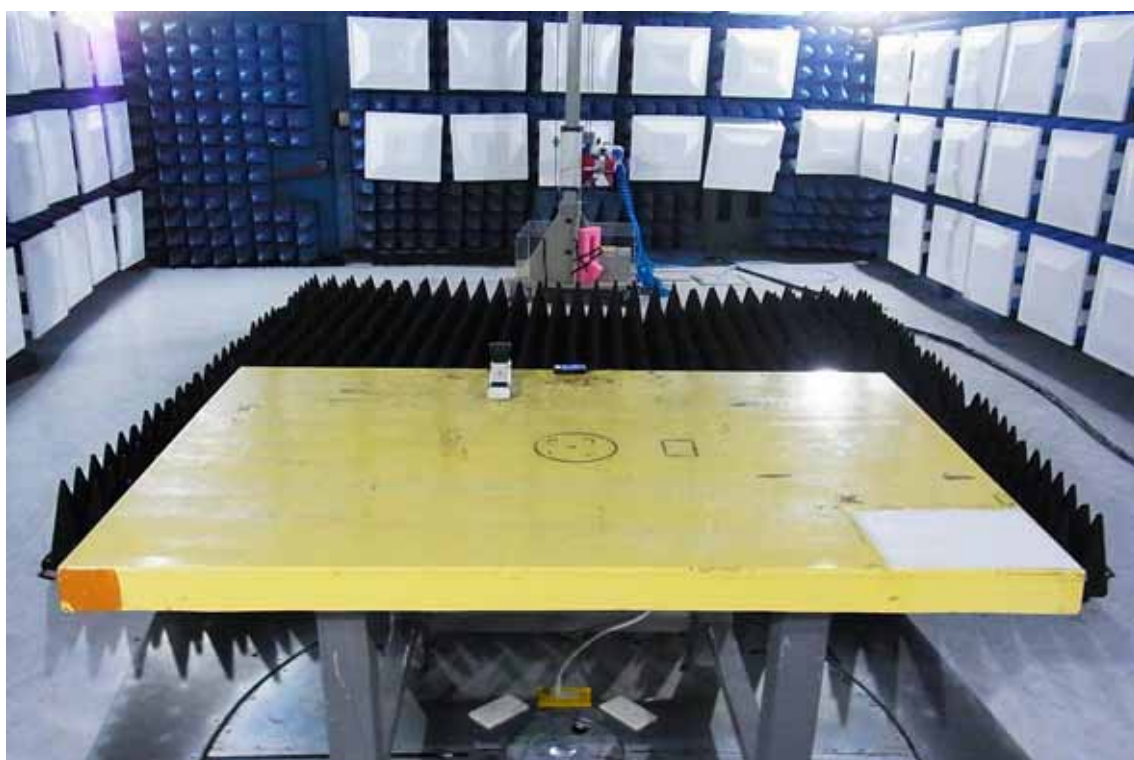
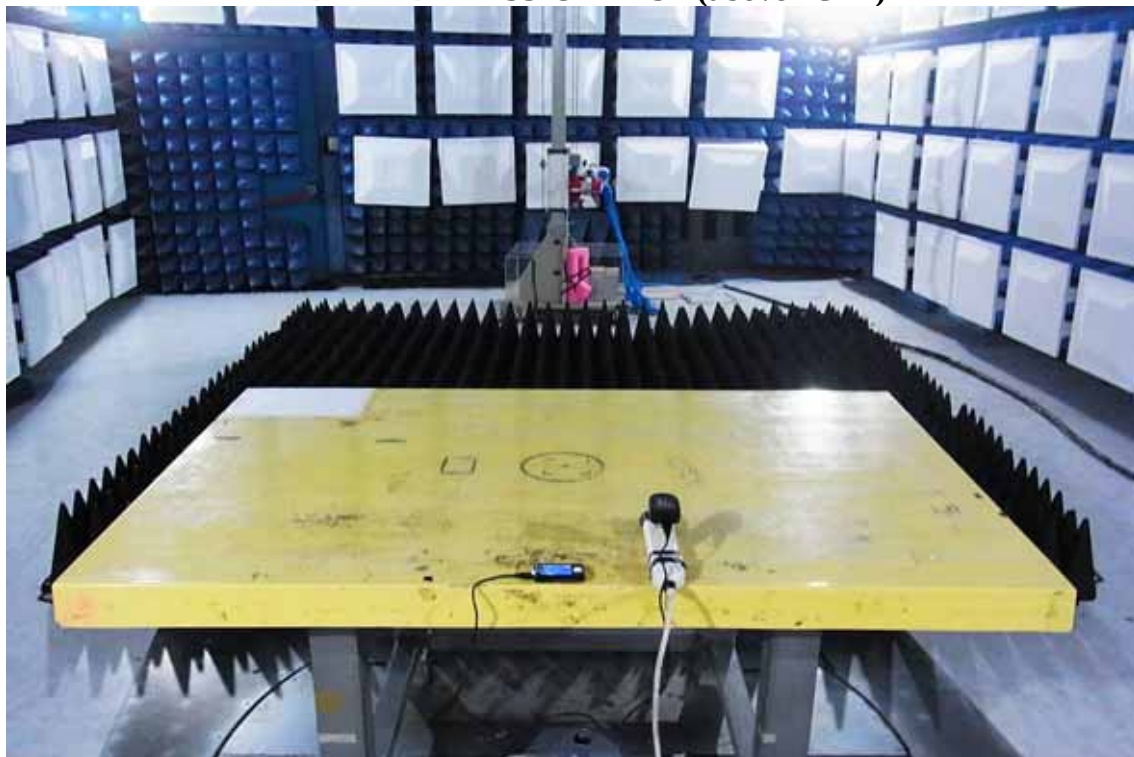
APPENDIX 1

PHOTOGRAPHS OF SET UP

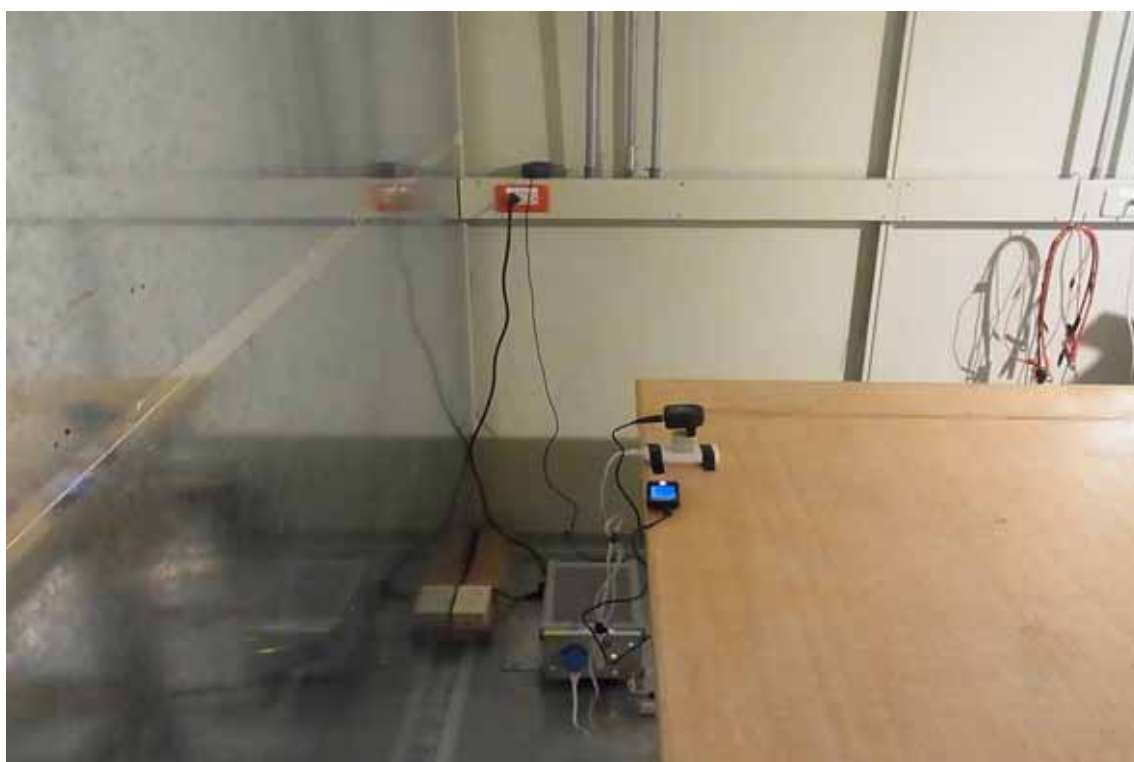
RADIATED EMISSION TEST (under 1GHz)



RADIATED EMISSION TEST (above 1GHz)



AC POWER LINE CONDUCTED EMISSION TEST





APPENDIX 2

PHOTOGRAPHS OF EUT

EUT 1



EUT 2



EUT 3



EUT 4



EUT 5



EUT 6



EUT 7



EUT 8



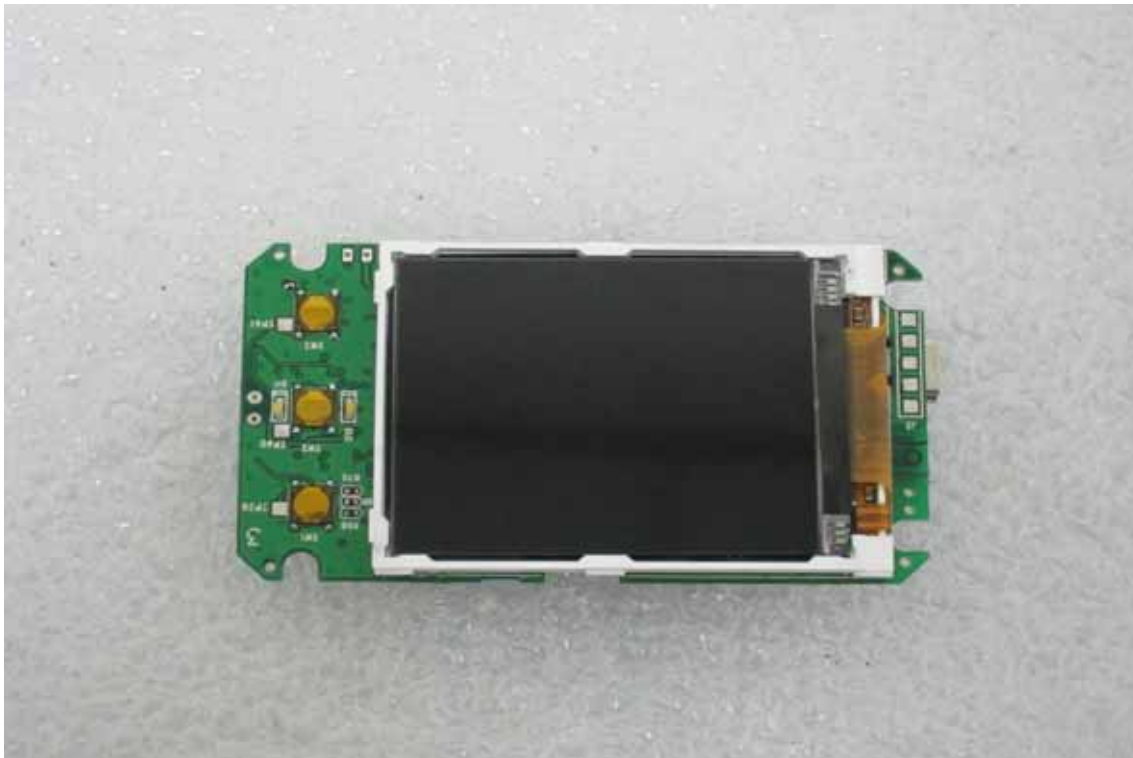
EUT 9



EUT 10



EUT 11



EUT 12



~ End of Report ~