



# FCC 47 CFR PART 15 SUBPART B

## TEST REPORT

*For*

**Applicant :** Research Machines PLC

**Address :** New Mill House, 183 Milton Park, Abingdon,  
Oxfordshire, OX 14 4SE, United Kingdom

**Product Name :** Wireless Writing Pad(epad)

**Model Name :** 1NR-469, 1NR-470, 1NR-471, 1NR-472, 1NR-475

**Brand Name :** Epad

**FCC ID :** X6B-EPD-RME-00050

**Report No. :** MOST/STS100202F2

**Date of Issue :** Mar. 09, 2010

**Issued by :** Most Technology Service Co., Ltd.

**Address :** No.5, 2nd Langshan Road, North District, Hi-tech Industrial  
Park, Nanshan, Shenzhen, Guangdong, China

**Tel :** 86-755-8617 0306

**Fax :** 86-755-8617 0310

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**1. VERIFICATION OF CONFORMITY**

**Equipment Under Test:** Wireless Writing Pad(epad)  
**Brand Name:** Epad  
**Model Number:** 1NR-469  
**Series Number:** 1NR-470, 1NR-471, 1NR-472, 1NR-475  
**Model Difference description:** Only the model name is different.  
**FCC ID:** X6B-EPD-RME-0005  
**Applicant:** Research Machines PLC  
New Mill House, 183 Milton Park, Abingdon, Oxfordshire, OX 14 4SE,  
England United Kingdom  
**Manufacturer:** Cyber Tec Industries Ltd  
10/F Silver Tech Tower, 26 Cheung Lee Street, Chai Wan, Hong Kong  
**Technical Standards:** FCC Part 15 B  
**File Number:** MOST/STS100202F2  
**Date of test:** Mar. 01, 2010 – Mar. 09, 2010  
**Deviation:** None  
**Condition of Test Sample:** Normal  
**Test Result:** PASS

The above equipment was tested by MOST for compliance with the requirements set forth in FCC Part 15 and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Tested by (+ signature):

*Petter Ping*

Petter Ping

Mar. 09, 2010



Review by (+ signature):

*July Wen*

July Wen

Mar. 09, 2010

Approved by (+ signature):

*Terry Yang*

Terry Yang

Mar. 09, 2010

## 2. GENERAL INFORMATION

### 2.1 PRODUCT INFORMATION

**Housing Type:** Wireless Writing Pad(epad)  
**EUT Rating Voltage:** AC 120V/50Hz/ DC 5.0V by USB port / DC 3.6V by Lithium-ion Battery  
**Voltage During Test:** AC 120V/60Hz  
**I/O Type of EUT:** USB Port  
**I/O Q'TY:** 1  
**Model Number:** 1NR-469  
**Series Number:** 1NR-470, 1NR-471, 1NR-472, 1NR-475  
**Description of Differences:** Only the model name is different.

#### NOTE:

1. Please refer to Appendix 2 for the photographs of the EUT. For a more detailed features description about the EUT, please refer to User's Manual.

### 2.2 OBJECTIVE

Perform FCC Part 15 Subpart B tests for FCC Marking.

### 2.3 TEST STANDARDS AND RESULTS

Test items and the results are as bellow:

EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B	Conducted	PASS	Meet Class B limit
	Radiated	PASS	Meet Class B limit

Note: 1. The test result judgment is decided by the limit of measurement standard  
 2. The information of measurement uncertainty is available upon the customer's request.

## 2.4 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35°C
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

## 2.5 MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

- Uncertainty of Conducted Emission,  $U_c = \pm 1.8\text{dB}$
- Uncertainty of Radiated Emission,  $U_c = \pm 3.2\text{dB}$

### 3. TEST METHODOLOGY

#### 3. 1 TEST FACILITY

Test Site: Most Technology Service Co.,ltd

Location: No.5, Langshan 2nd Rd, North Hi-Tech Industrial park, Nanshan Shenzhen, Guangdong, China

Description: There is one 3m semi-anechoic an area test sites and two line conducted labs for final test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2003 and CISPR 16 requirements. The FCC Registration Number is **490827**.  
The **CNAS** Registration Number is **CNAS L3573**.

Site Filing: The site description is on file with the Federal Communications Commission, 7435 Oakland Mills Road, Columbia, MD 21046.

Instrument Tolerance: All measuring equipment is in accord with ANSI C63.4:2003 and CISPR 16 requirements that meet industry regulatory agency and accreditation agency requirement.

Ground Plane: Two conductive reference ground planes were used during the Line Conducted Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna. It has no holes or gaps having longitudinal dimensions larger than one-tenth of a wavelength at the highest frequency of measurement up to 1GHz.

#### 3.2 GENERAL TEST PROCEDURES

##### Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4:2003, Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

### Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable 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 maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4:2003.

### **3.3 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS**

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup> Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

## 4 SETUP OF EQUIPMENT UNDER TEST

### 4.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

### 4.2 SUPPORT EQUIPMENT

Device Type	Brand	Model	FCC ID	Series No.	Data Cable	Power Cord
PC	Lenovo	T3900-SY2	SS05750640	N/A	1.8M Un-Shielded	PC
MONITOR	Dell	E178FPc	CN-0WR979- 64180-761-1 SKS	1.6M Un-Shielded	1.8M Un-Shielded	MONITOR
KEYBOARD	Unis	WN10	WN10200807 005590	1.6M Un-Shielded	N/A	KEYBOARD
MOUSE	Lenovo	M-UAE96	E-C011-05-3 735(B)	1.6M Un-Shielded	N/A	MOUSE

*Remark:*

*All the equipment/cables were placed in the worst-case [-configuration to maximize the emission during the test.*

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

#### 4. 3 TEST EQUIPMENT LIST

**Instrumentation:** The following list contains equipment used at MOST for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

No.	Equipment	Manufacturer	Model No.	S/N	Calculator due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2010/03/14
2	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2010/03/14
3	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2010/03/14
4	Terminator	Hubersuhner	50Ω	No.1	2010/03/14
5	RF Cable	SchwarzBeck	N/A	No.1	2010/03/14
6	Test Receiver	Rohde & Schwarz	ESPI	101202	2010/03/14
7	Bilog Antenna	Sunol	JB3	A121206	2010/03/14
8	Test Antenna - Horn	Schwarzbeck	BBHA 9120C	--	2010/03/14
9	Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	--	2010/03/14
10	Cable	Resenberger	N/A	NO.1	2010/03/14
11	Cable	SchwarzBeck	N/A	NO.2	2010/03/14
12	Cable	SchwarzBeck	N/A	NO.3	2010/03/14
13	DC Power Filter	DuoJi	DL2×30B	N/A	2010/03/14
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2010/03/14
15	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2010/03/14
16	Test Receiver	Rohde & Schwarz	ESCI	100492	2010/03/14
17	Absorbing Clamp	Luthi	MDS21	3635	2010/03/14
18	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2010/03/14
19	AC Power Source	Kikusui	AC40MA	LM003232	2010/03/14
20	Test Analyzer	Kikusui	KHA1000	LM003720	2010/03/14
21	Line Impedance Network	Kikusui	LIN40MA-PCR-L	LM002352	2010/03/14
22	ESD Tester	Kikusui	KES4021	LM003537	2010/03/14
23	EMCPRO System	EM Test	UCS-500-M4	V0648102026	2010/03/14
24	Signal Generator	IFR	2032	203002/100	2010/03/14
25	Amplifier	A&R	150W1000	301584	2010/03/14
26	CDN	FCC	FCC-801-M2-25	47	2010/03/14
27	CDN	FCC	FCC-801-M3-25	107	2010/03/14
28	EM Injection Clamp	FCC	F-203I-23mm	403	2010/03/14
29	RF Cable	MIYAZAKI	N/A	No.1/No.2	2010/03/14
30	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2010/03/14
31	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2010/03/14

**NOTE:** Equipments listed above have been calibrated and are in the period of validation.

## 5. 47 CFR PART 15B REQUIREMENTS

### 5.1 GENERAL INFORMATION

#### **EUT Function and Test Mode**

The EUT has been tested under normal operating (TX) and standby (RX) condition.

The field strength of radiation emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis).

The following data show only with the worst case setup.

The worst case of Y axis was reported.

Based on client request, all normal using modes of the receiving audio signal function were tested but only the worst test data of the worst mode is reported by this report.

## 6. LINE CONDUCTED EMISSION TEST

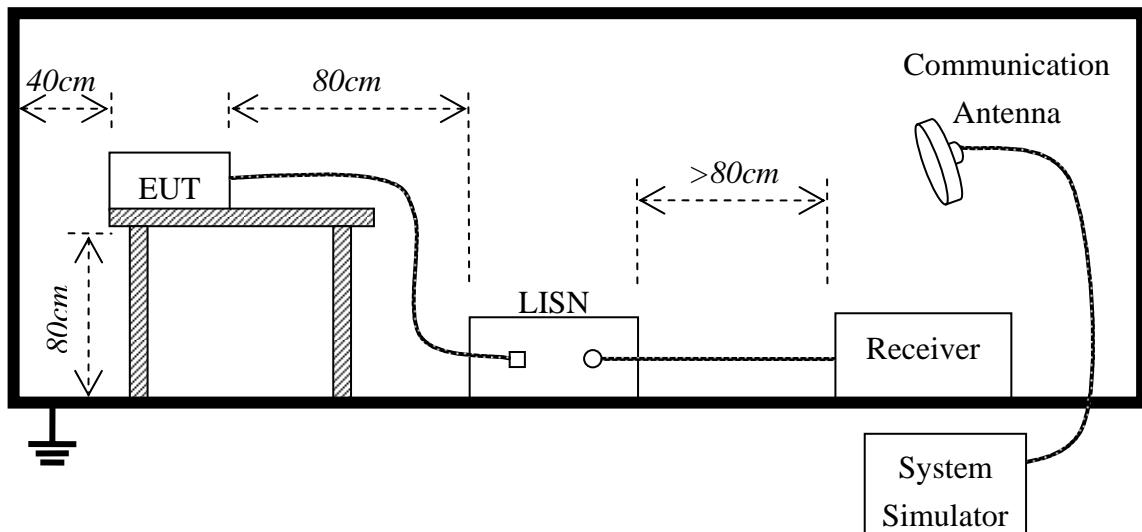
### 6.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P.( dBuV)	Average( dBuV)
150kHz-500kHz	66-56	56-46
500kHz-5MHz	56	46
5MHz-30MHz	60	50

**\*\*Note:** 1. the lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

### 6.2. BLOCK DIAGRAM OF TEST SETUP



### 6.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per FCC Part 15 (see Test Facility for the dimensions of the ground plane used). When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, was placed as per FCC Part 15.
- 3) All I/O cables were positioned to simulate typical actual usage as per FCC Part 15.
- 4) The EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5) All support equipments received power from a second LISN supplying power of AC 120V/60Hz, if any.
- 6) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.
- 9) The following test mode(s) were scanned during the preliminary test:

Preliminary Conducted Emission Test				
Frequency Range Investigated		150KHz TO 30 MHz		
Mode of operation	Date	Report No.	Data#	Worst Mode
Charging Mode	2010-03-09	MOST100102F2	1NR-469_0_( L, N)	<input checked="" type="checkbox"/>
Normal Working	2010-03-09	MOST100102F2	1NR-469_1_( L, N)	<input type="checkbox"/>
USB Port	2010-03-09	MOST100102F2	1NR-469_2_( L, N)	<input type="checkbox"/>

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 6.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

EUT and support equipment was set up on the test bench as per step 9 of the preliminary test.

A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

The test data of the worst case condition(s) was reported on the Summary Data page.

## 6.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

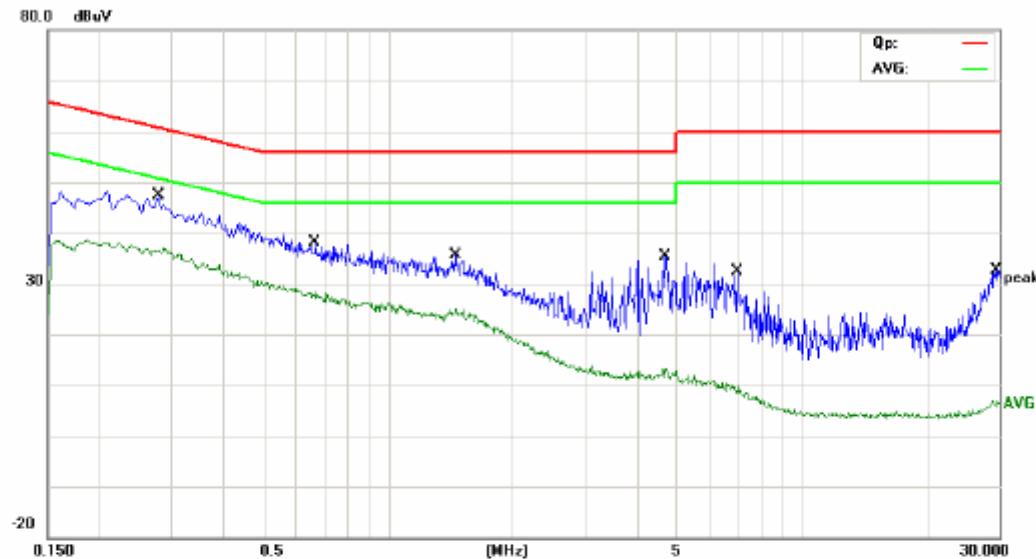
### Conducted Emission Measurement

File :INR-469

Data :#3

Date :10/02/03

Time :15:57:34



Site: site #1

Phase: **N**

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: DC 5V Adaptor Ac120W60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

M/N: INR-469

Mode: Charging

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.2780	35.97	11.48	47.45	60.88	-13.43	QP	
2		0.6660	28.04	10.00	38.04	56.00	-17.96	QP	
3		1.4500	26.11	9.55	35.66	56.00	-20.34	QP	
4		4.6940	23.70	11.69	35.39	56.00	-20.61	QP	
5		6.9860	21.52	10.81	32.33	60.00	-27.67	QP	
6		29.4940	23.57	9.00	32.57	60.00	-27.43	QP	

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax 0755-86170310

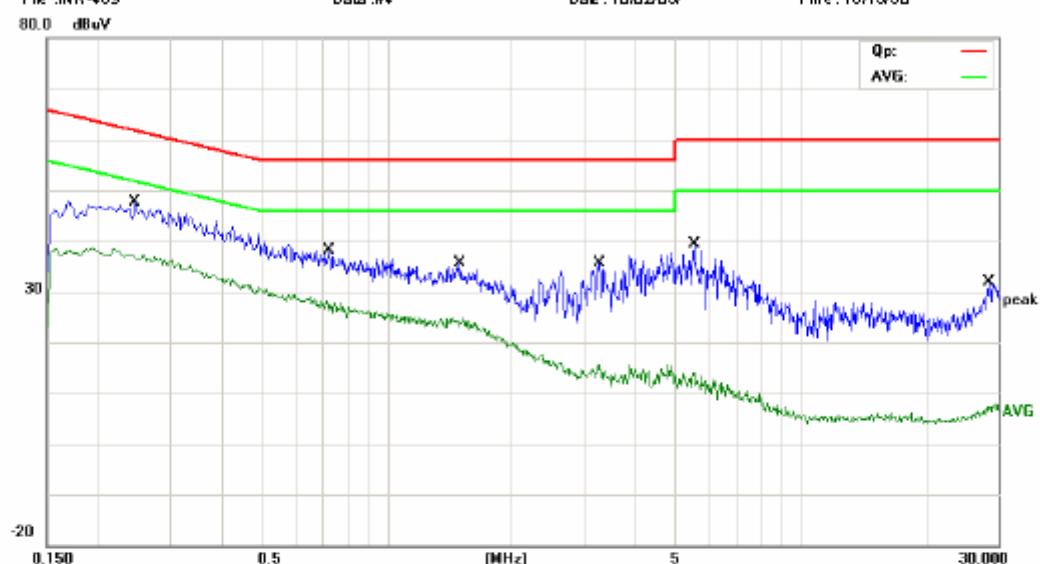
#### Conducted Emission Measurement

File :INR-469

Data #4

Date :10/02/03/

Time :16:13:50



Site: site #1

Phase: *L1*

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: DC 5V Adaptor Ac120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

M/N: INR-469

Mode: Charging

Note:

No. Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Comment
		dBuV	dB	dBuV	dB	Detector	
1 *	0.2460	35.83	11.69	47.52	61.89	-14.37	QP
2	0.7260	28.13	10.00	38.13	56.00	-17.87	QP
3	1.5020	26.11	9.50	35.61	56.00	-20.39	QP
4	3.2580	25.32	10.26	35.58	56.00	-20.42	QP
5	5.5140	27.73	11.69	39.42	60.00	-20.58	QP
6	28.4540	22.79	9.00	31.79	60.00	-28.21	QP

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax 0755-86170310

### Conducted Emission Measurement

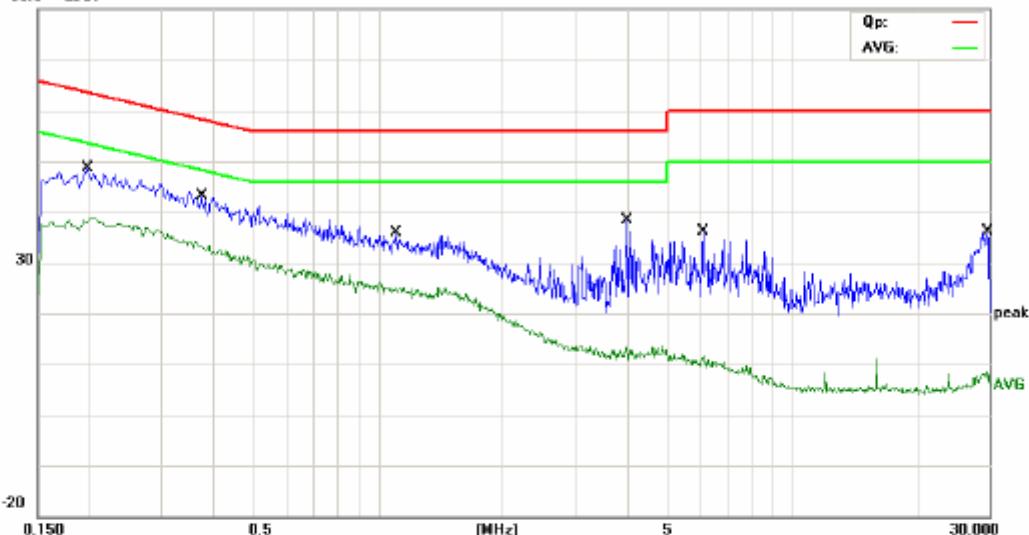
File :INR-469

Data :#5

Date :10/02/03/

Time :16/16/19

80.0 dBuV



Site: site #1

Phase: *L1*

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: DC 5V Adapter Ac120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

MN: INR-469

Mode: Running

Note:

No.	Mk.	Reading		Correct Factor	Measure- ment	Limit	Over	Detector	Comment
		Freq.	Level						
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1980	36.63	11.88	48.51	63.69	-15.18	QP	
2		0.3740	32.35	10.84	43.19	58.41	-15.22	QP	
3		1.1060	25.88	9.89	35.77	56.00	-20.23	QP	
4		4.0020	27.36	11.00	38.36	56.00	-17.64	QP	
5		6.0900	24.80	11.35	36.15	60.00	-23.85	QP	
6		29.7940	27.19	9.00	36.19	60.00	-23.81	QP	

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax 0755-86170310

### Conducted Emission Measurement

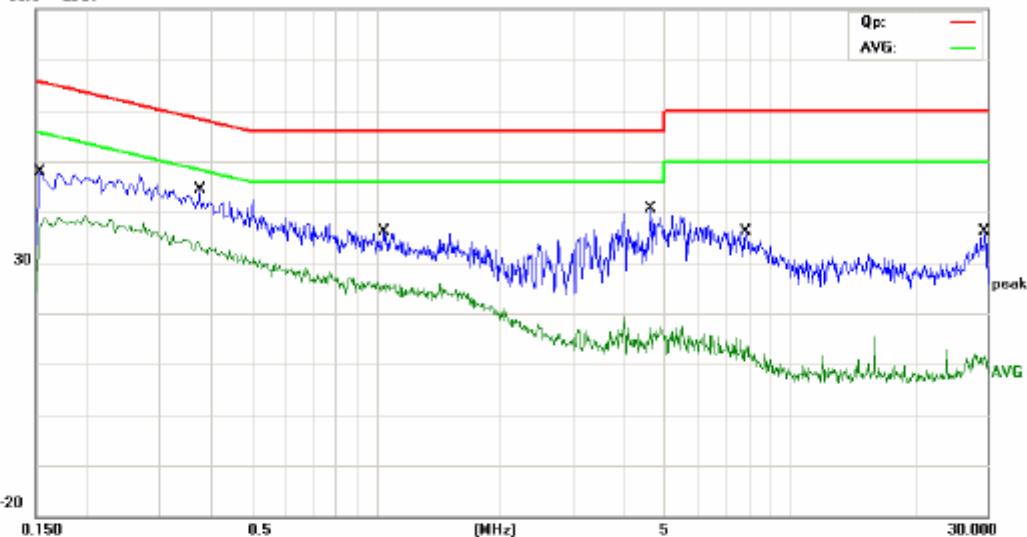
File :INR-469

Data :#6

Date :10/02/03/

Time :16:17:56

80.0 dBuV



Site: site #1

Phase: **N**

Temperature: 26

Limit: FCC Part15 B Class B QP

Power: DC 5V Adapter Ac120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

MN: INR-469

Mode: Running

Note:

No.	Mk.	Reading		Correct Factor	Measure- ment	Limit	Over	Detector	Comment
		Freq.	Level						
		MHz	dBuV	dB	dBuV	dB			
1		0.1540	38.70	9.24	47.94	65.78	-17.84	QP	
2	*	0.3740	33.54	10.84	44.38	58.41	-14.03	QP	
3		1.0460	26.08	9.95	36.03	56.00	-19.97	QP	
4		4.6020	28.95	11.60	40.55	56.00	-15.45	QP	
5		7.8140	25.91	10.31	36.22	60.00	-23.78	QP	
6		29.5940	27.24	9.00	36.24	60.00	-23.76	QP	

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

## 7. RADIATED EMISSION TEST

### 7.1. LIMITS OF RADIATED DISTURBANCES AT 3M DISTANCES FOR CLASS B

According to FCC section 15.231(c), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

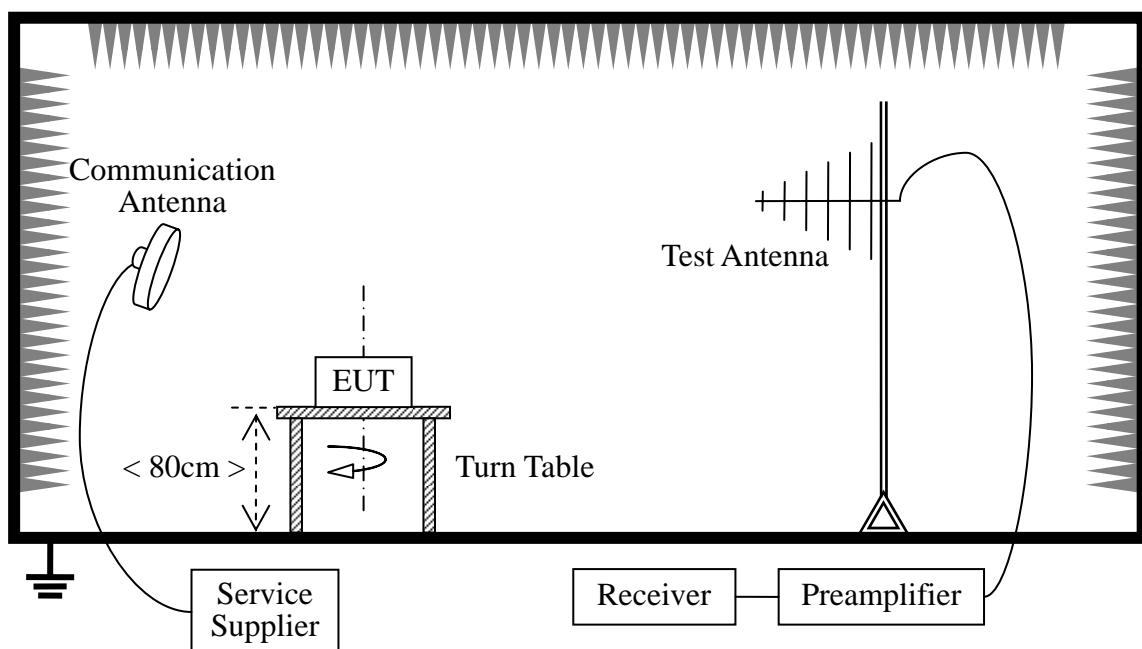
According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ( $\mu$ V/m)	Measurement Distance (m)
0.009 - 0.490	$2400/F(\text{kHz})$	300
0.490 - 1.705	$24000/F(\text{kHz})$	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

### 7.2 TEST DESCRIPTION

#### Test Setup:



The EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the EUT is activated and transmitting with the other Bluetooth device (Supply by the Applicant) during the test.

For the Test Antenna:

- (a) In the frequency range of 9 kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- (b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

Preliminary Radiated Emission Test				
Frequency Range Investigated			30 MHz TO 1000 MHz	
Mode of operation	Date	Report No.	Data#	Worst Mode
Charging Mode	2010-03-09	MOST100102F2	1NR-469_0_( H, V)	<input type="checkbox"/>
PC USB Mode	2010-03-09	MOST100102F2	NR-469_1_( H, V)	<input type="checkbox"/>
Normal Working	2010-03-09	MOST100102F2	NR-469_2_( H, V)	<input checked="" type="checkbox"/>

### 7.3 TEST RESULT



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
 Guangdong, China  
 Tel: 0755-86170306 Fax 0755-86170310

#### Radiated Emission Measurement

File : INR-469  
 70.0 dBuV/m

Data #9

Date: 2010-3-3

Time: 17:18:34



Site: site MOST 3M

Polarization: **Horizontal**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: DC 5V Adapter Ac120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

Distance:

MN: INR-469

Mode: Charging

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment						
			MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		30.0000	2.00	24.80	26.80	40.00	-13.20	QP			
2		135.7300	12.60	17.42	30.02	43.50	-13.48	QP			
3	*	227.8800	19.67	16.46	36.13	46.00	-9.87	QP			
4		312.2700	18.05	16.69	34.74	46.00	-11.26	QP			
5		412.1800	7.46	19.25	26.71	46.00	-19.29	QP			
6		743.9200	4.93	25.74	30.67	46.00	-15.33	QP			

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax 0755-86170310

### Radiated Emission Measurement

File: INR-469

Data #10

Date: 2010-3-3

Time: 17:16:01

dBuV/m



Site: site MOST 3M

Polarization: **Vertical**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: DC 5V Adapter AC120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

Distance:

MN: INR-469

Mode: Charging

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
			Level	Factor	ment					
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1	*	47.4600	13.21	12.47	25.68	40.00	-14.32	QP		
2		171.6200	10.23	17.12	27.35	43.50	-16.15	QP		
3		288.0200	5.33	19.42	24.75	46.00	-21.25	QP		
4		472.3200	3.71	21.29	25.00	46.00	-21.00	QP		
5		673.1100	4.40	24.53	28.93	46.00	-17.07	QP		
6		866.1400	3.78	27.04	30.82	46.00	-15.18	QP		

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

File : INR-469  
70.0 dB $\mu$ V/m

Data #1

Date: 2010-2-4

Time: 9:12:25



Site: site MOST 3M

Polarization: **Horizontal**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: DC 5.0V From PC Input Ac120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

Distance:

M/N: INR-469

Mode: PC Mode By USB Cable

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
			Level	Factor	ment					
		MHz	dB $\mu$ V	dB	dB $\mu$ V/m	dB	Detector	cm	degree	Comment
1		30.9699	3.92	24.05	27.97	40.00	-12.03	QP		
2		135.7298	14.67	17.42	32.09	43.50	-11.41	QP		
3	*	171.6200	19.98	17.12	37.10	43.50	-6.40	QP		
4		220.1200	22.42	16.30	38.72	46.00	-7.28	QP		
5		431.5799	8.36	20.32	28.68	46.00	-17.32	QP		
6		654.6799	5.21	24.19	29.40	46.00	-16.60	QP		

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

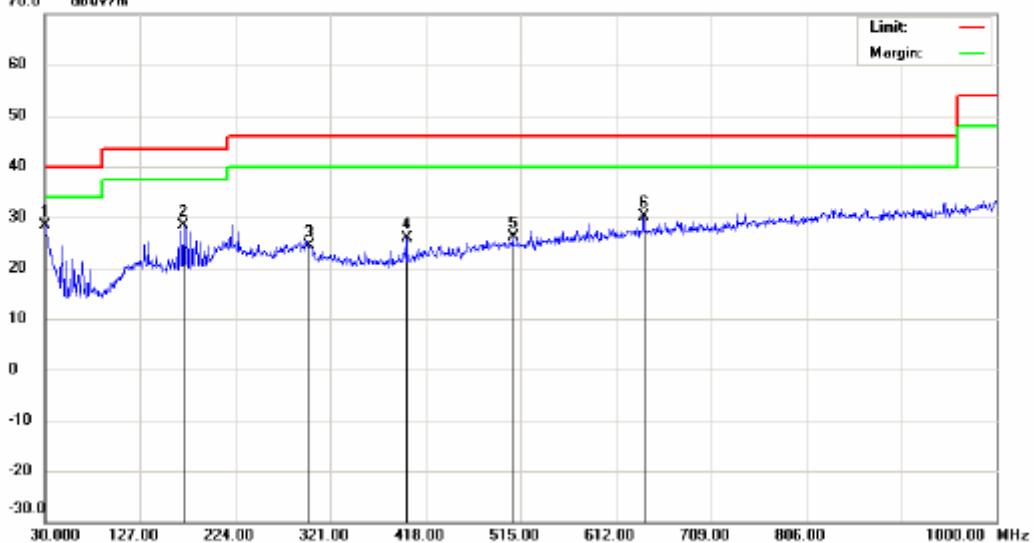
File: INR-469

Data #2

Date: 2010-2-4

Time: 9:14:35

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Vertical**

Temperature: 25

Limit: FCC Part15 B 3M Radiation

Power: DC 5.0V From PC Input Ac120W/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

Distance:

MN: INR-469

Mode: Mode By USB Cable

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
			Level	Factor	ment			Height	Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.0000	3.64	24.80	28.44	40.00	-11.56	QP		
2		171.6200	11.27	17.12	28.39	43.50	-15.11	QP		
3		298.6900	5.09	19.30	24.39	46.00	-21.61	QP		
4		398.6000	7.30	18.66	25.96	46.00	-20.04	QP		
5		507.2400	4.62	21.44	26.06	46.00	-19.94	QP		
6		640.1300	6.20	24.00	30.20	46.00	-15.80	QP		

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax 0755-86170310

### Radiated Emission Measurement

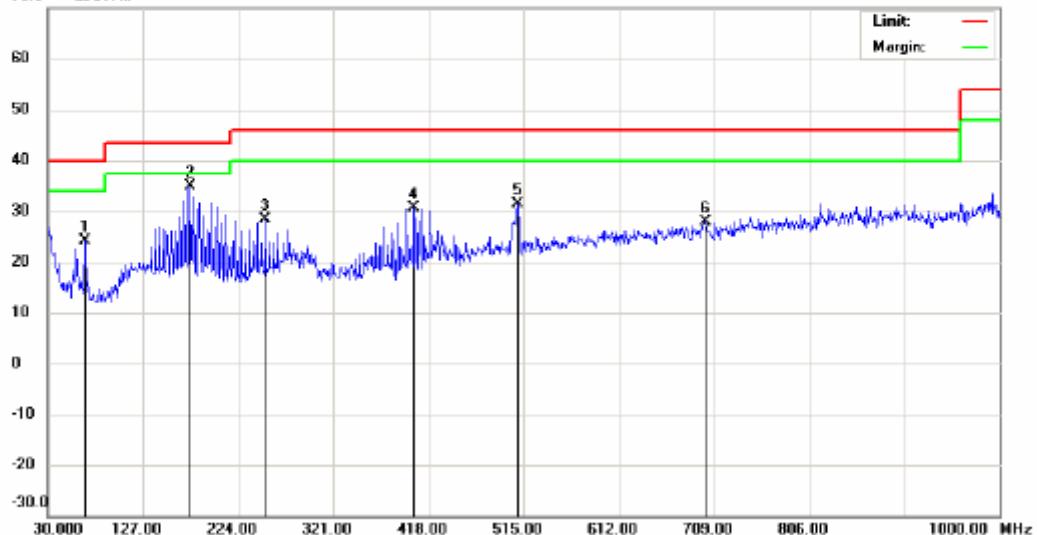
File : INR-469

Data #14

Date: 2010-3-4

Time: 15:45:53

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Horizontal**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: DC 5V Adapter AC120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

Distance:

MN: INR-469

Mode: Running

Note:

No.	Mk.	Freq.	Reading	Correc-	Measure-	Limit	Over	Antenna	Table	
			Level	Factor	ment					
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		67.8299	12.58	11.53	24.11	40.00	-15.89	QP		
2	*	175.5000	17.84	16.92	34.76	43.50	-8.74	QP		
3		252.1299	11.01	17.40	28.41	46.00	-17.59	QP		
4		403.4499	11.92	18.77	30.69	46.00	-15.31	QP		
5		509.1800	9.86	21.48	31.34	46.00	-14.66	QP		
6		699.2999	3.14	24.68	27.82	46.00	-18.18	QP		

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



Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park  
Guangdong, China  
Tel: 0755-86170306 Fax: 0755-86170310

### Radiated Emission Measurement

File: INR-469

Data #13

Date: 2010-3-4

Time: 15:43:52

70.0 dBuV/m



Site: site MOST 3M

Polarization: **Vertical**

Temperature: 26

Limit: FCC Part15 B 3M Radiation

Power: DC 5V Adapter AC120V/60Hz

Humidity: 60 %

EUT: Wireless Writing Pad(Epad)

Distance:

MN: INR-469

Mode: Running

Note:

No. Mk.	Freq. MHz	Reading	Correct	Measure-	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree
		Level dBuV	Factor dB	ment dBuV/m				
1 *	30.0000	12.05	24.80	36.85	40.00	-3.15	QP	
2 !	59.1000	23.83	10.78	34.61	40.00	-5.39	QP	
3	171.6200	9.01	17.12	26.13	43.50	-17.37	QP	
4	275.4100	3.91	19.22	23.13	46.00	-22.87	QP	
5	507.2400	6.79	21.44	28.23	46.00	-17.77	QP	
6	675.0500	3.99	24.55	28.54	46.00	-17.46	QP	

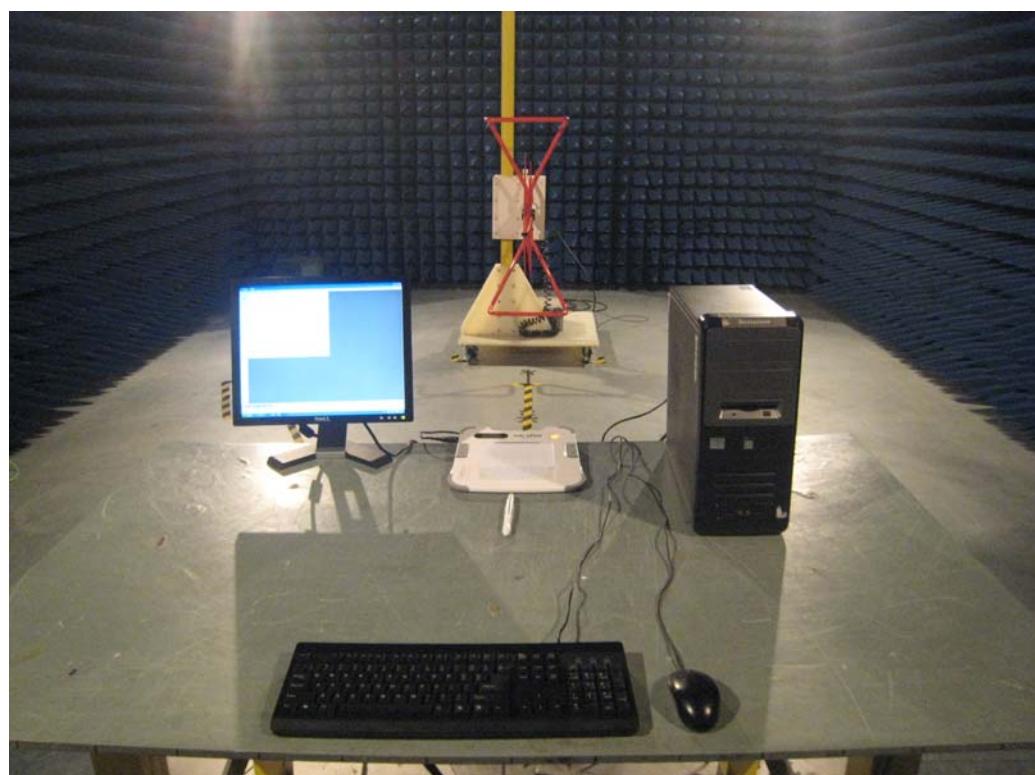
\*:Maximum data x:Over limit !:over margin

**APPENDIX 1**  
**PHOTOGRAPHS OF TEST SETUP**

Line Conducted Emission Test Setup



Radiated Emission Test Setup



**APPENDIX 2**  
**PHOTOGRAPHS OF EUT**

FRONT VIEW OF SAMPLE



BACK VIEW OF SAMPLE



LEFT VIEW OF SAMPLE



RIGHT VIEW OF SAMPLE



TOP VIEW OF SAMPLE



BOTTOM VIEW OF SAMPLE



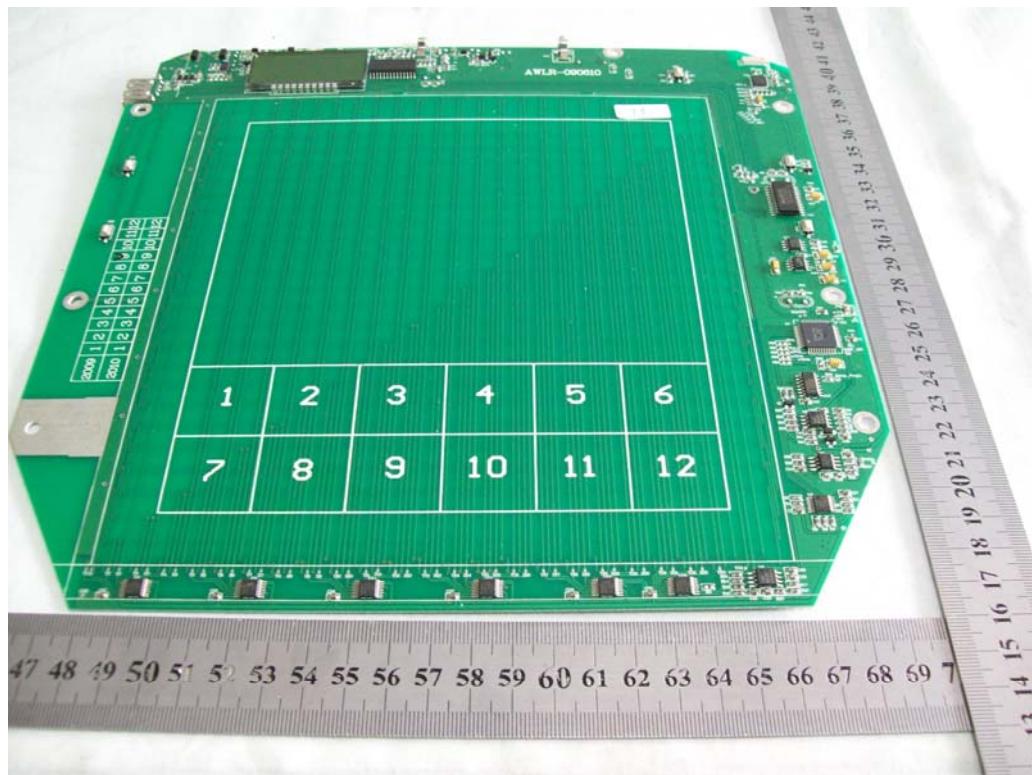
VIEW OF USB CABLE



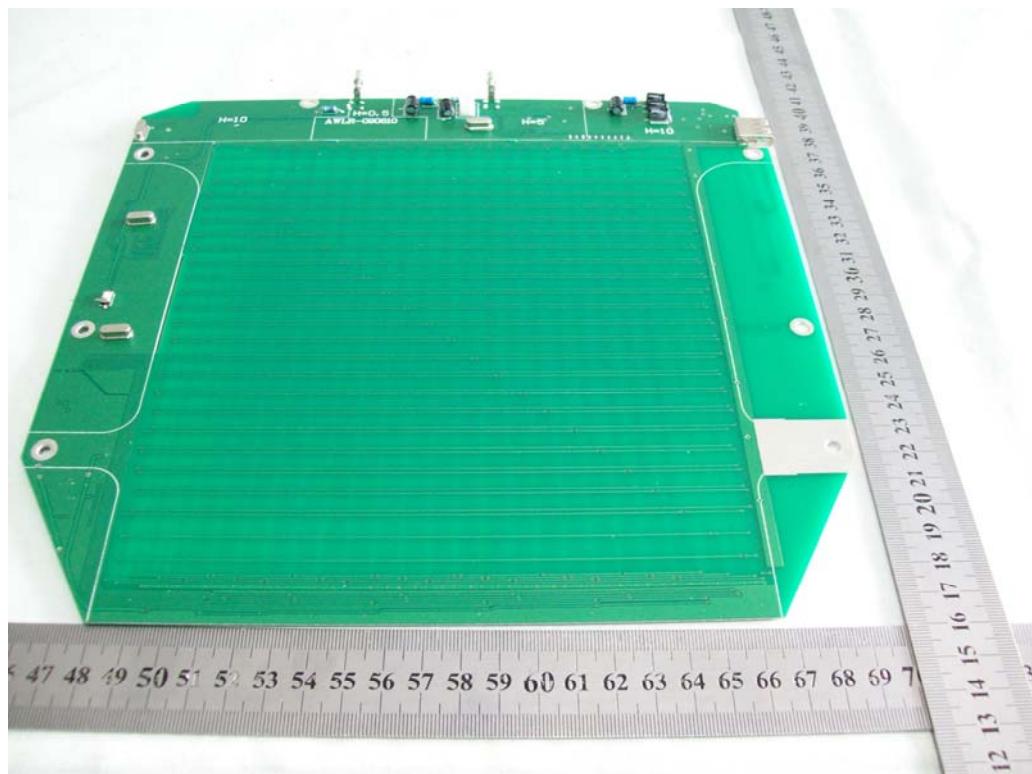
VIEW OF THE ADAPTER



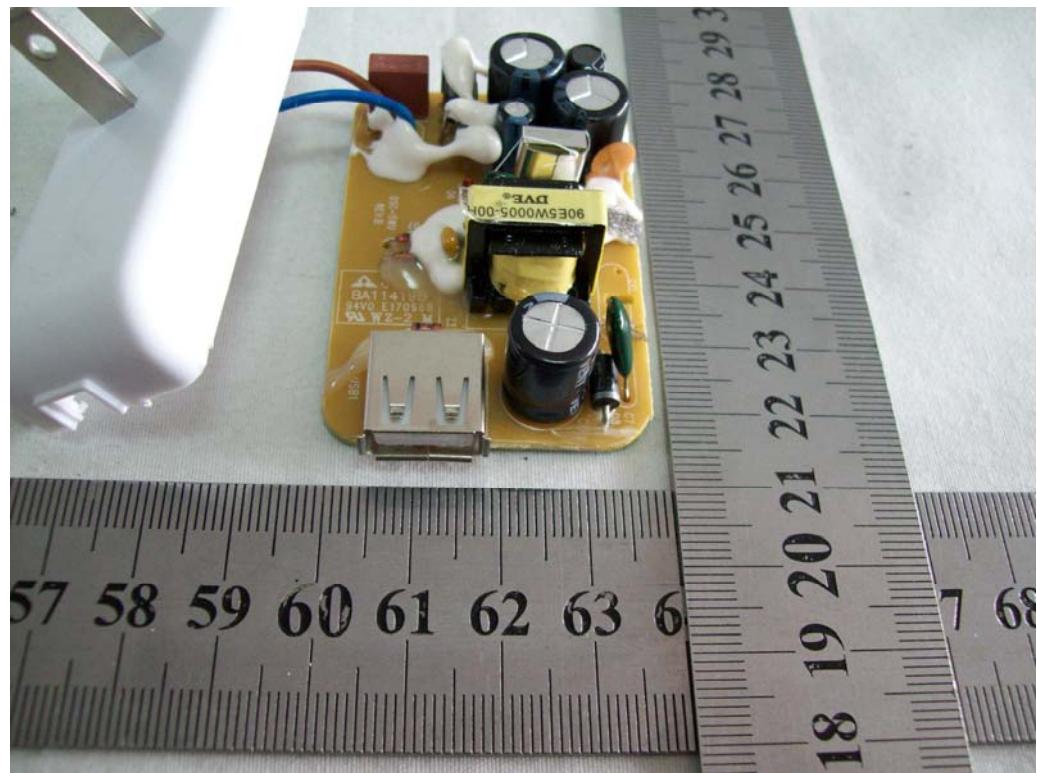
## INTERNAL PHOTO OF SAMPLE – 1



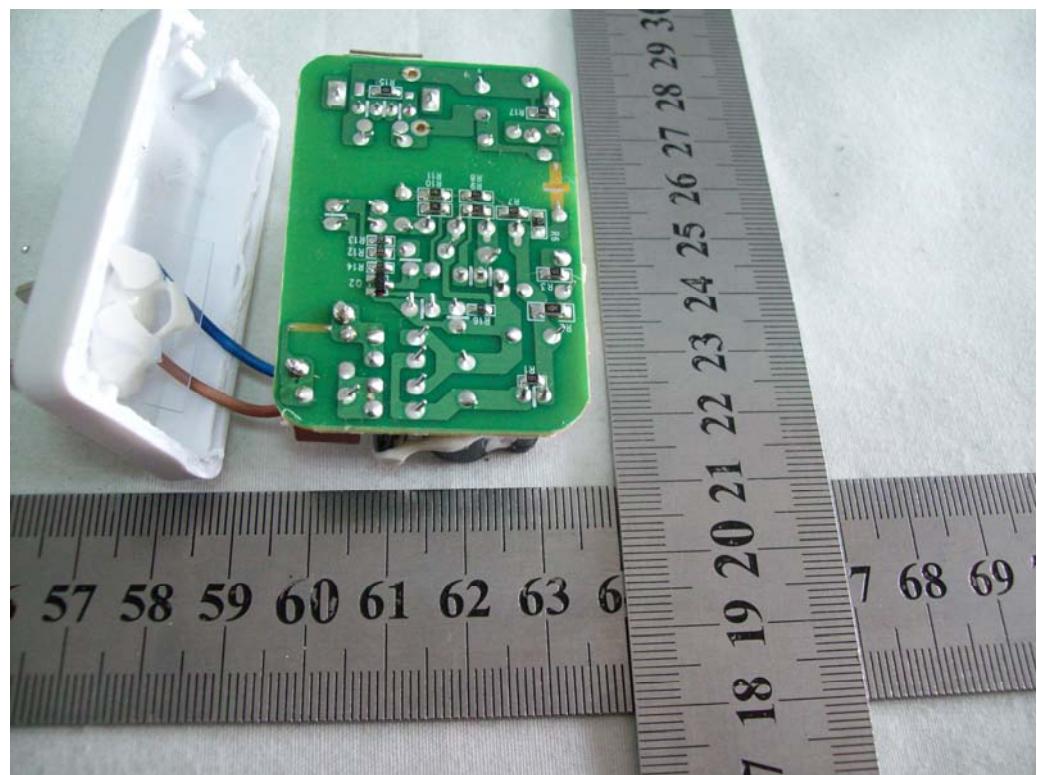
## INTERNAL PHOTO OF SAMPLE - 2



INTERNAL PHOTO OF THE ADAPTER-1



INTERNAL PHOTO OF THE ADAPTER-2



-----END OF REPORT-----