



FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Applicant : Shenzhen Zokon Industry Development Co., Ltd.

Address : 5F, Administration Building, Jinxing Industry District
Dongbin Road, Nanshan, Shenzhen, China

Product Name : Industry Data Collector

Model Name : T650, Z660, T350, T550, T750, T800, T820, T860, T880,
T890, T900, T920, T960, T980, T990

Brand Name : ZOKO

FCC ID : XUK-T650

Report No. : MST/STS091002F3

Date of Issue : October 26, 2009

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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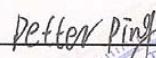
1. VERIFICATION OF CONFORMITY

Equipment Under Test: Industry Data Collector
Brand Name: ZOKO
Model Number: T650, Z660, T350, T550, T750, T800, T820, T860, T880, T890, T900, T920, T960, T980, T990
FCC ID: XUK-T650
Applicant: Shenzhen Zokon Industry Development Co., Ltd.
5F, Administration Building, Jinxing Industry District Dongbin Road,
Nanshan, Shenzhen, China
Manufacturer: Shenzhen Zokon Industry Development Co., Ltd.
5F, Administration Building, Jinxing Industry District Dongbin Road,
Nanshan, Shenzhen, China
Technical Standards: 47 CFR Part 15 Subpart C
File Number: MST/STS091002F3
Date of test: October. 15 – October. 26, 2009
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 rules 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.

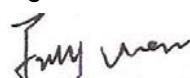
The test results of this report relate only to the tested sample identified in this report.

Tested by (+ signature):



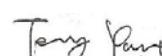
Petter Ping October 26, 2009

Review by (+ signature):



July Wen October 26, 2009

Approved by (+ signature):



Terry Yang October 26, 2009

2. GENERAL INFORMATION

2.1 Product Information

EUT1- Industry Data Collector	
Description:	Industry Data Collector
Model Name:	T650
Series Model Name:	Z660, T350, T550, T750, T800, T820, T860, T880, T890, T900, T920, T960, T980, T990
Model Difference description:	Only the market name is different.
Frequency Range	903-923 MHz
Antenna Designation	Internal

NOTE:

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

2.2 Objective

The objective of the report is to perform tests according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15 (10-1-05 Edition)	Radio Frequency Devices

2.3 Test Standards and Results

Test items and the results are as bellow:

No.	Section	Description	Result	Date of Test
1	15.247(a)	Number of Hopping Frequency	PASS	2009-10-21
2	15.247(b)	Peak Output Power	PASS	2009-10-21
3	15.247(a)	20dB Bandwidth	PASS	2009-10-21
4	15.247(a)	Carrier Frequency Separation	PASS	2009-10-21
5	15.247(a)	Time of Occupancy	PASS	2009-10-21
6	15.247(d)	Band Edge	PASS	2009-10-21
7	15.247(b)	Radio Frequency Exposure	PASS	2009-10-21
8	15.209	Radiated Emission	PASS	2009-10-21

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

3. TEST FACILITY

Test Site: Most Technology Service Co.,ltd

Location: Add: No.5, Nangshan 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 and CISPR 16 requirements. The FCC Registration Number is **490827**.

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 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.

4. 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	Cable	Resenberger	N/A	NO.1	2010/03/14
9	Cable	SchwarzBeck	N/A	NO.2	2010/03/14
10	Cable	SchwarzBeck	N/A	NO.3	2010/03/14
11	DC Power Filter	DuoJi	DL2×30B	N/A	2010/03/14
12	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2010/03/14
13	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2010/03/14
14	Test Receiver	Rohde & Schwarz	ESCI	100492	2010/03/14
15	Absorbing Clamp	Luthi	MDS21	3635	2010/03/14
16	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2010/03/14
17	AC Power Source	Kikusui	AC40MA	LM003232	2010/03/14
18	Test Analyzer	Kikusui	KHA1000	LM003720	2010/03/14
19	Line Impedance Network	Kikusui	LIN40MA-PCR-L	LM002352	2010/03/14
20	ESD Tester	Kikusui	KES4021	LM003537	2010/03/14
21	EMCPRO System	EM Test	UCS-500-M4	V0648102026	2010/03/14
22	Signal Generator	IFR	2032	203002/100	2010/03/14
23	Amplifier	A&R	150W1000	301584	2010/03/14
24	CDN	FCC	FCC-801-M2-25	47	2010/03/14
25	CDN	FCC	FCC-801-M3-25	107	2010/03/14
26	EM Injection Clamp	FCC	F-203I-23mm	403	2010/03/14
27	RF Cable	MIYAZAKI	N/A	No.1/No.2	2010/03/14
28	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2010/03/14
29	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.

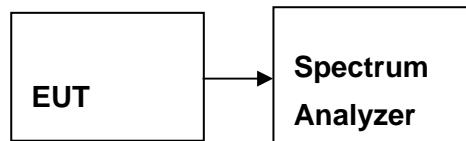
5. 47 CFR Part 15C Requirements

5.1 Number of Hopping Frequency

5.1.1 Requirement

According to FCC section 15.247(a) (1) (i), For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

5.1.2 Test Description



5.1.3 Test Result

The RF ID Module operates at hopping-on test mode; the frequencies number employed is counted to verify the Module's using the number of hopping frequency.

Frequency Block (MHz)	Measured Channel Numbers	Min. Limit	Verdict
903 - 923	40 (Max. 20dB Bandwidth is 265 KHz)	50 (20dB Bandwidth<250 KHz)	PASS
		25 (20dB Bandwidth>250 KHz)	

5.2 Peak Output Power

5.2.1 Requirement

According to FCC section 15.247(b)(2), For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels, as permitted under paragraph (a)(1)(i) of this section.

5.2.2 Test Description

See section 0 of this report.

5.2.3 Test Result

The EUT operates at hopping-off test mode. The lowest, middle and highest channels are selected to perform testing to verify the conducted RF output peak power.

Channel	Frequency (MHz)	Measured Output Peak Power			Limit		Verdict
		Reading (dBm)	Factor (dB)	Power Level (dBm)	dBm	W	
Low	903	-5.79	16.5	10.71	30	1	PASS
Middle	913	-5.94	16.5	10.56			PASS
High	923	-5.61	16.5	10.89			PASS

5.3 20dB Bandwidth

5.3.1 Definition

The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

5.3.2 Test Description

See section 0 of this report.

5.3.3 Test Result

The EUT operates at hopping-off test mode. The lowest, middle and highest channels are selected to perform testing to record the 20dB bandwidth.

The maximum 20dB bandwidth measured is 1.16MHz according to the table below.

Channel	Frequency (MHz)	20dB Bandwidth (KHz)	Limit (KHz)	Conclusion
Low	903	260.0	500	PASS
Middle	913	260.0	500	PASS
High	923	265.0	500	PASS

5.4 Carried Frequency Separation

5.4.1 Definition

According to FCC section 15.247(a)(1), frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater.

5.4.2 Test Description

See section 0 of this report.

5.4.3 Test Result

Channel	Frequency (MHz)	Carried Frequency Separation (KHz)	Limit (KHz)	Conclusion
Low	903	499.8	>265	PASS
Middle	913	499.5	>265	PASS
High	923	499.8	>265	PASS

5.5 Time of Occupancy

5.5.1 Requirement

According to FCC section 15.247(a) (1) (i), For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

5.5.2 Test Description

See section 0 of this report.

5.5.3 Test Result

Time of occupancy=60 timies/1200s*20s*40ms=40ms

The Time of occupancy is smaller than 400ms.

So the EUT complies is meet 15.247 (a) (1) (i).

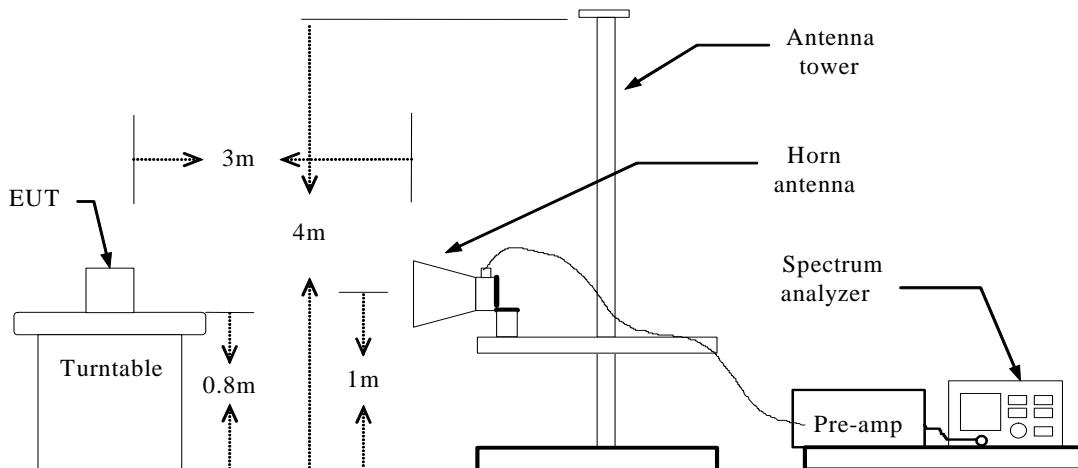
Conclusion: PASS

5.6 Band Edge

5.6.1 Requirement

According to FCC section 15.247(b) (d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

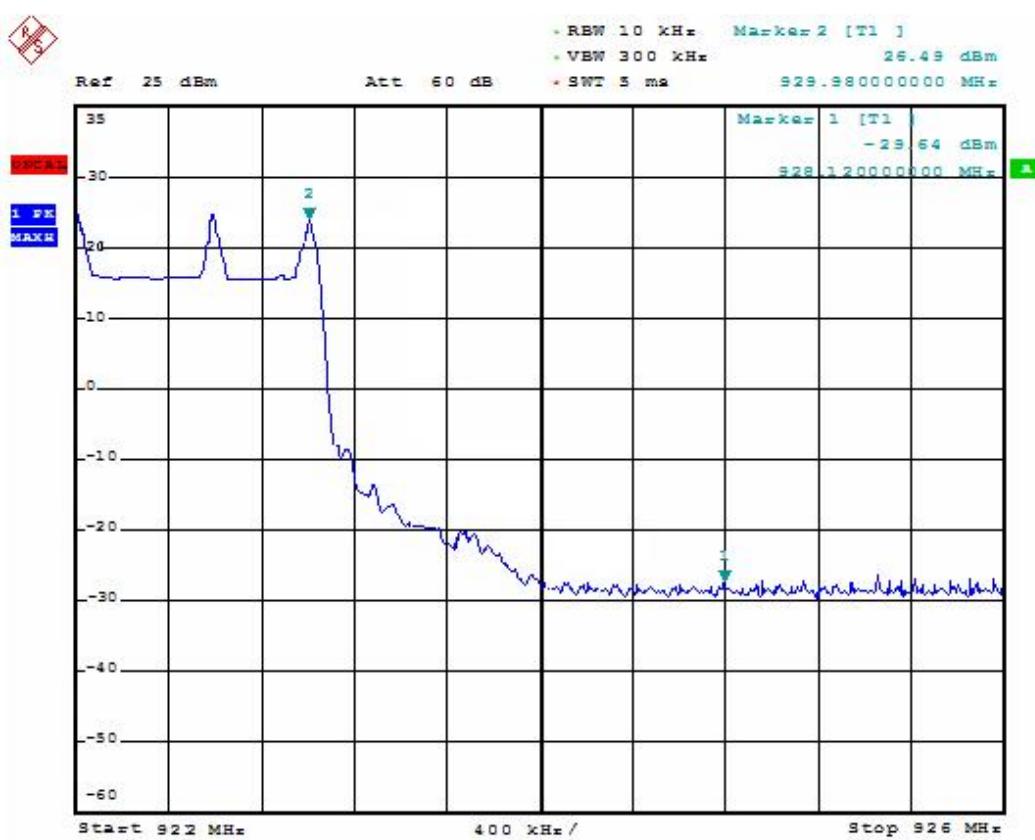
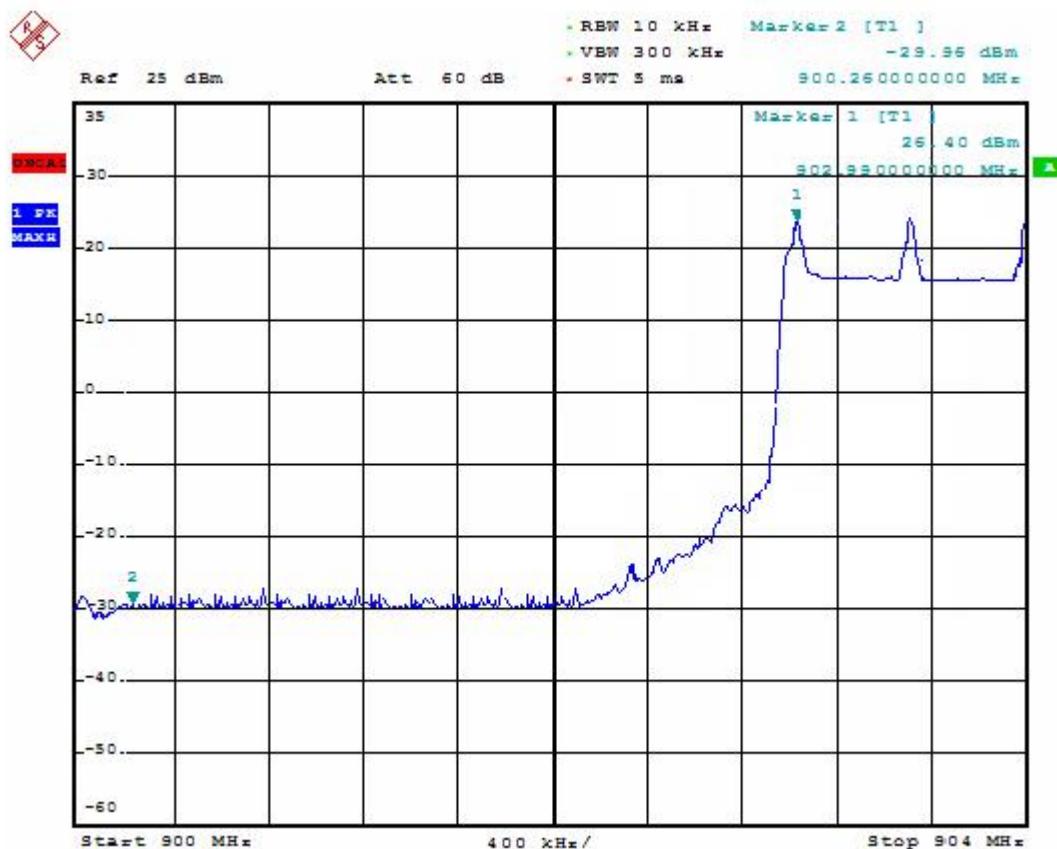
5.6.2 Test Description



5.6.3 Test Result

The EUT operates at hopping-off test mode. The lowest and highest channels are tested to verify the band edge emissions.

Test Plot:



5.7 Radio Frequency Exposure

5.7.1 Limit

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See §15.247(b)(4) and §1.1307(b)(1) of this chapter.

5.7.2 EUT Specification

EUT	GSM Mobile Phone
Frequency band (Operating)	<input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz <input type="checkbox"/> WLAN: 5.745GHz ~ 5825GHz <input checked="" type="checkbox"/> Others <u>903-923 MHz</u>
Device category	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others _____
Exposure classification	<input type="checkbox"/> Occupational/Controlled exposure ($S = 5\text{mW/cm}^2$) <input checked="" type="checkbox"/> General Population/Uncontrolled exposure ($S=1\text{mW/cm}^2$)
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <ul style="list-style-type: none"> <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Max. output power	10.89dBm (12.27mW)
Antenna gain (Max)	1.0 dBi
Evaluation applied	<input checked="" type="checkbox"/> MPE Evaluation <input type="checkbox"/> SAR Evaluation
Note:	
1. The maximum output power is <u>10.89dBm (12.27mW)</u> . 2. The Bluetooth, WIFI and the RF ID module cannot be used at the same time. 3. DSS device is not subject to routine RF evaluation; MPE estimate is used to justify the compliance. 4. For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20 cm, even if the calculations indicate that the MPE distance would be lesser.	

5.7.3 Test Results

No non-compliance noted.

(SAR evaluation is not required for the PORTABLE device while its maximum output power is lower than the general population low threshold: $60/f\text{ (GHz)}=60/0.913=65.72\text{mW}$)

5.7.4 MPE evaluation

PASS

5.8 Radiated Emission Test

5.8.1 Requirement

According to FCC section 15.247(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).

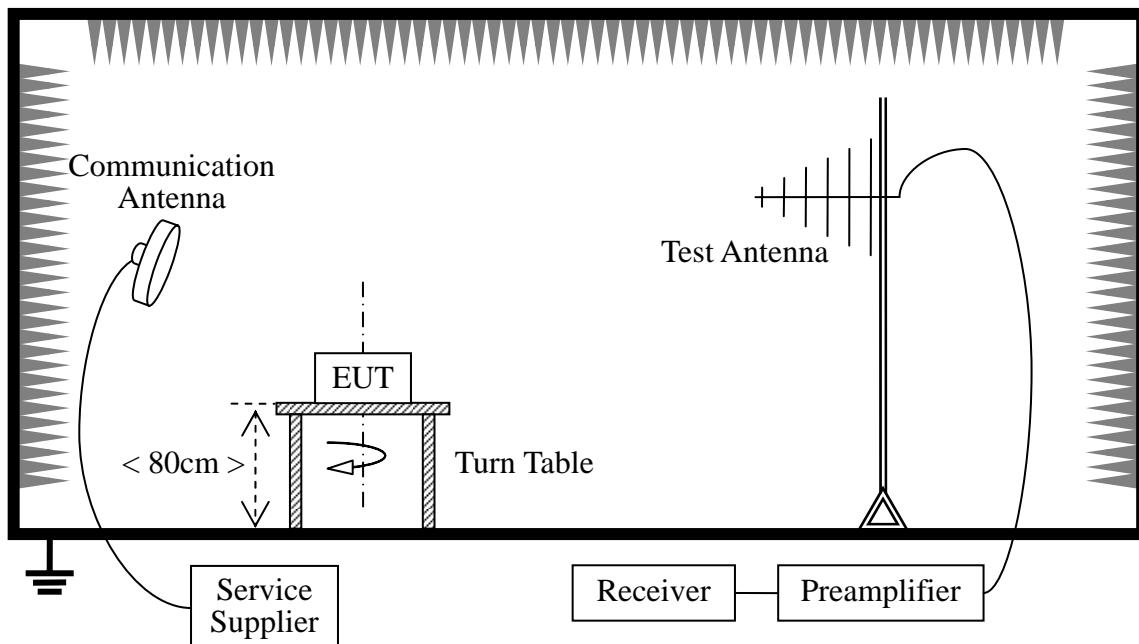
According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μ 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.

5.8.2 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.

5.8.3 Test Result

Below 1 GHz

Operation Mode:	CH Low	Test Date:	October 21, 2009
Temperature:	20°C	Tested by:	Petter Ping
Humidity:	70 % RH	Polarity:	Ver. / Hor.

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit 3m (dBuV/m)	Safe Margin (dB)
--	V	Peak	--	--	--	46.00	> 10
--	V	Peak				46.00	> 10
--	V						
--	H	Peak	--	--	--	46.00	> 10
--	H	Peak				46.00	> 10
--	H	Peak					

Notes:

1. Measuring frequencies from 30 MHz to the 1GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30MHz to 1GHz was 100 kHz.

Operation Mode: CH Middle **Test Date:** October 21, 2009
Temperature: 20°C **Tested by:** Petter Ping
Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit 3m (dBuV/m)	Safe Margin (dB)
--	V	Peak	--	--	--	46.00	> 10
--	V	Peak				46.00	> 10
--	V						
--	H	Peak	--	--	--	46.00	> 10
--	H	Peak				46.00	> 10
--	H	Peak					

Notes:

1. Measuring frequencies from 30 MHz to the 1GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30MHz to 1GHz was 100 kHz.

Operation Mode: CH High **Test Date:** October 21, 2009
Temperature: 20°C **Tested by:** Petter Ping
Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit 3m (dBuV/m)	Safe Margin (dB)
--	V	Peak	--	--	--	46.00	> 10
--	V	Peak				46.00	> 10
--	V						
--	H	Peak	--	--	--	46.00	> 10
--	H	Peak				46.00	> 10
--	H	Peak					

Notes:

1. Measuring frequencies from 30 MHz to the 1GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
3. Data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of SPA between 30MHz to 1GHz was 100 kHz.

Above 1 GHz

Operation Mode: CH Low **Test Date:** October 21, 2009
Temperature: 20°C **Tested by:** Petter Ping
Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1806.03	H	23.65	---	4.86	28.51	---	74.00	54.00	-25.49	Peak
N/A									>10	
N/A										
N/A										
N/A										
1806.03	V	29.32	---	4.86	34.18	---	74.00	54.00	-19.82	Peak
N/A									>10	
N/A										
N/A										
N/A										

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Spectrum setting:
 - a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.

Operation Mode: CH Mid **Test Date:** October 21, 2009
Temperature: 20°C **Tested by:** Petter Ping
Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1832.10	H	26.15	---	4.88	31.03	---	74.00	54.00	-22.97	Peak
N/A									>10	
N/A										
N/A										
N/A										
<hr/>										
1832.10	V	29.25	---	4.88	34.13	---	74.00	54.00	-19.87	Peak
N/A									>10	
N/A										
N/A										
N/A										

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Spectrum setting:
 - a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.

Operation Mode: CH High**Test Date:** October 21, 2009**Temperature:** 20°C**Tested by:** Petter Ping**Humidity:** 70 % RH**Polarity:** Ver. / Hor.

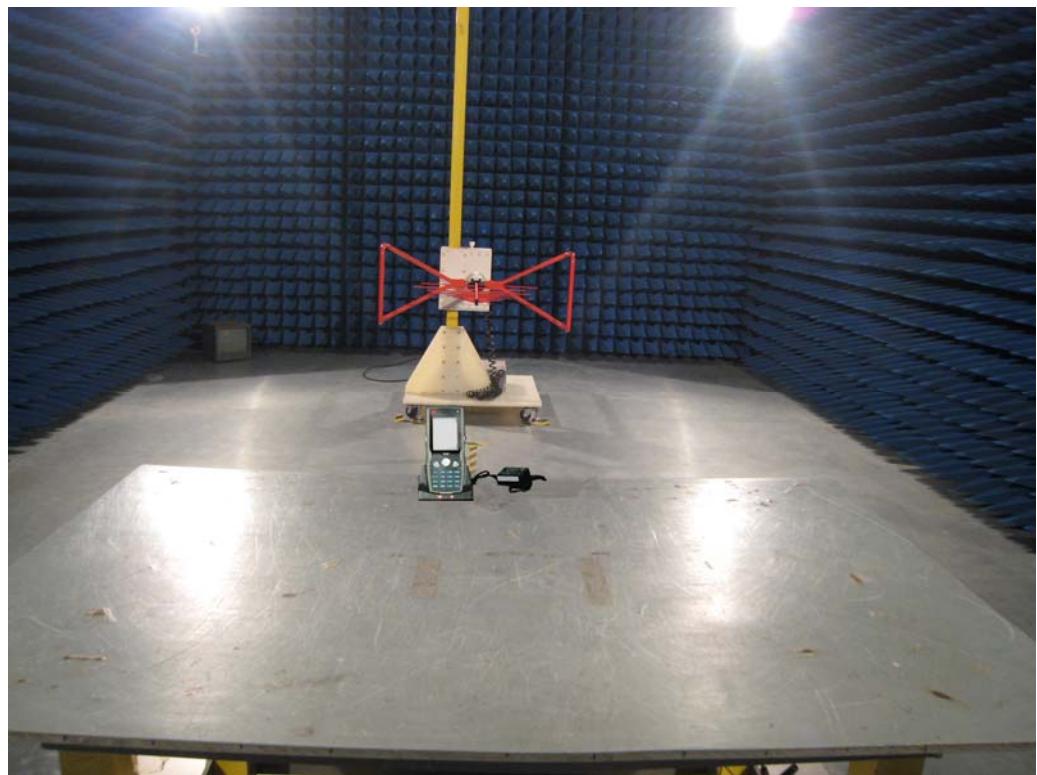
Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit dBuV/m	AV Limit dBuV/m	Margin (dB)	Remark
					Peak dBuV/m	AV dBuV/m				
1846.06	H	28.12	---	4.90	33.02	---	74.00	54.00	-20.98	Peak
N/A										
N/A										
N/A										
N/A										
<hr/>										
1846.06	V	29.13	---	4.90	34.03	---	74.00	54.00	-19.97	Peak
N/A										
N/A										
N/A										
N/A										

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Spectrum setting:
 - a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
 - b. AV Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.

APPENDIX 1
PHOTOGRAPHS OF 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



PHOTO OF POWER SUPPLY



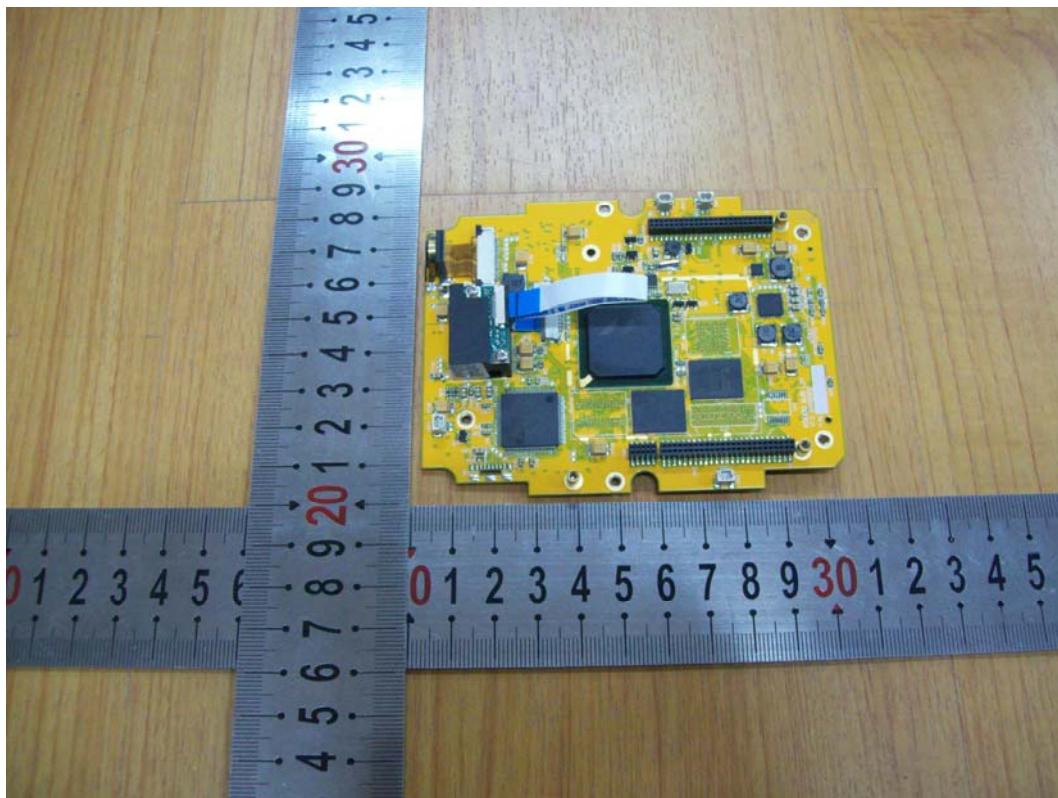
PHOTO OF USB CABLE



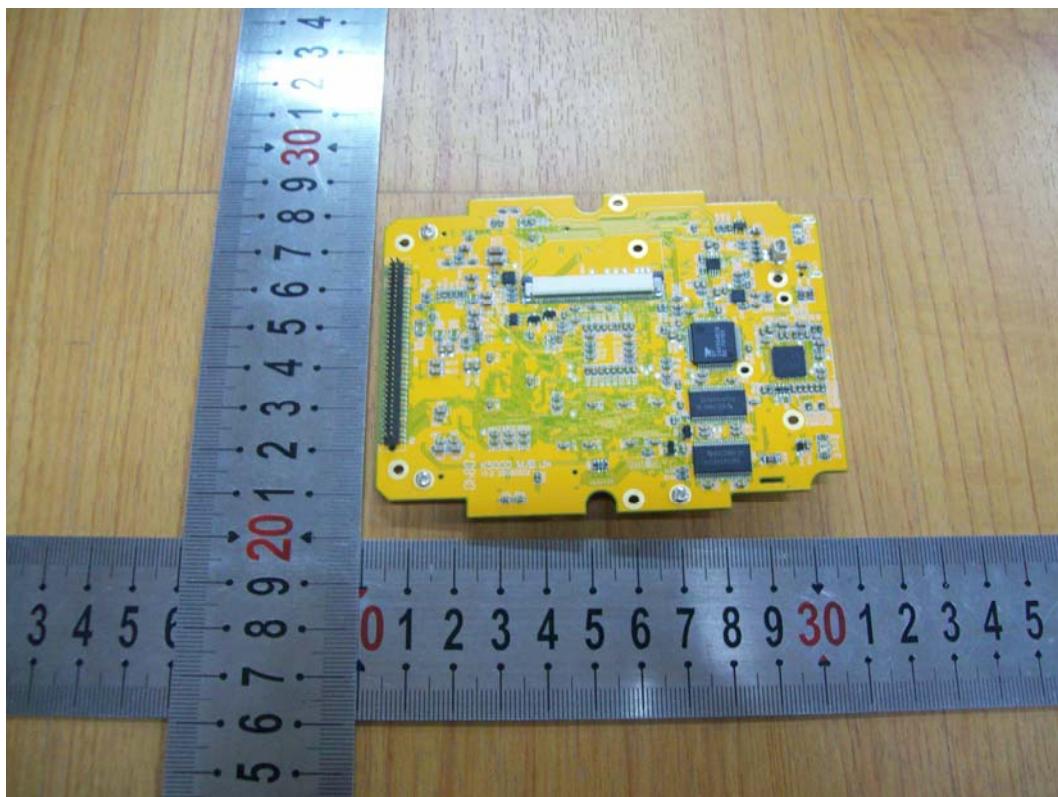
PHOTO OF BATTERY



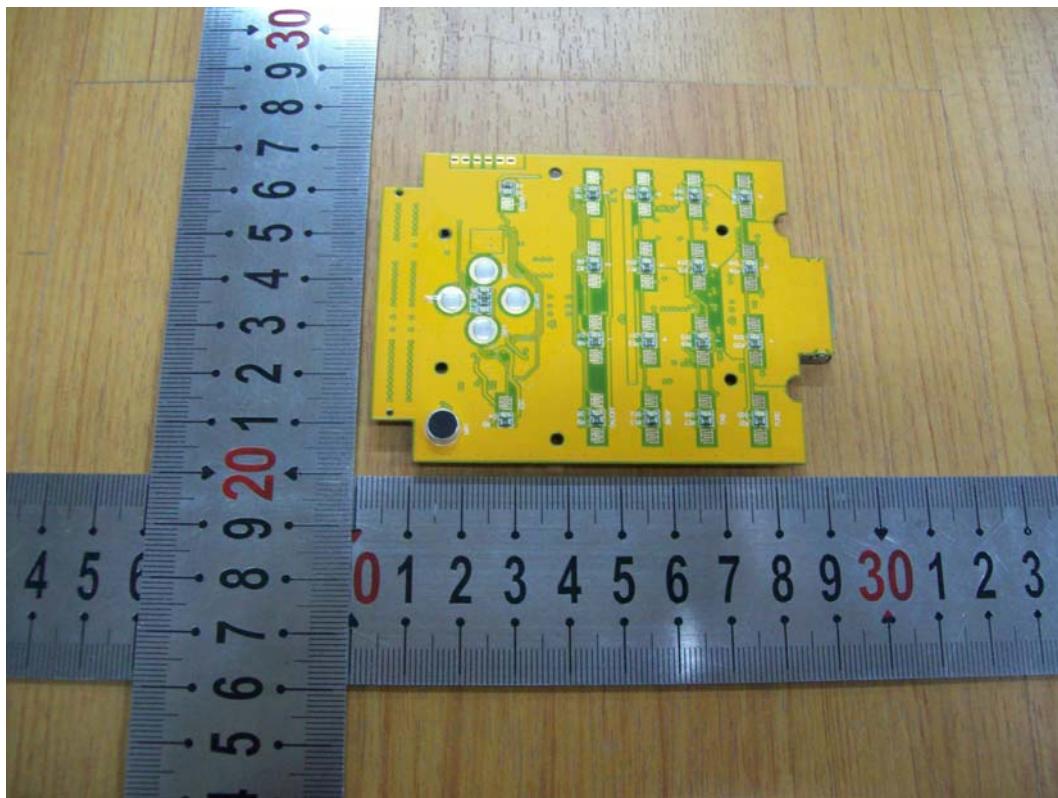
INTERNAL PHOTO OF SAMPLE – 1



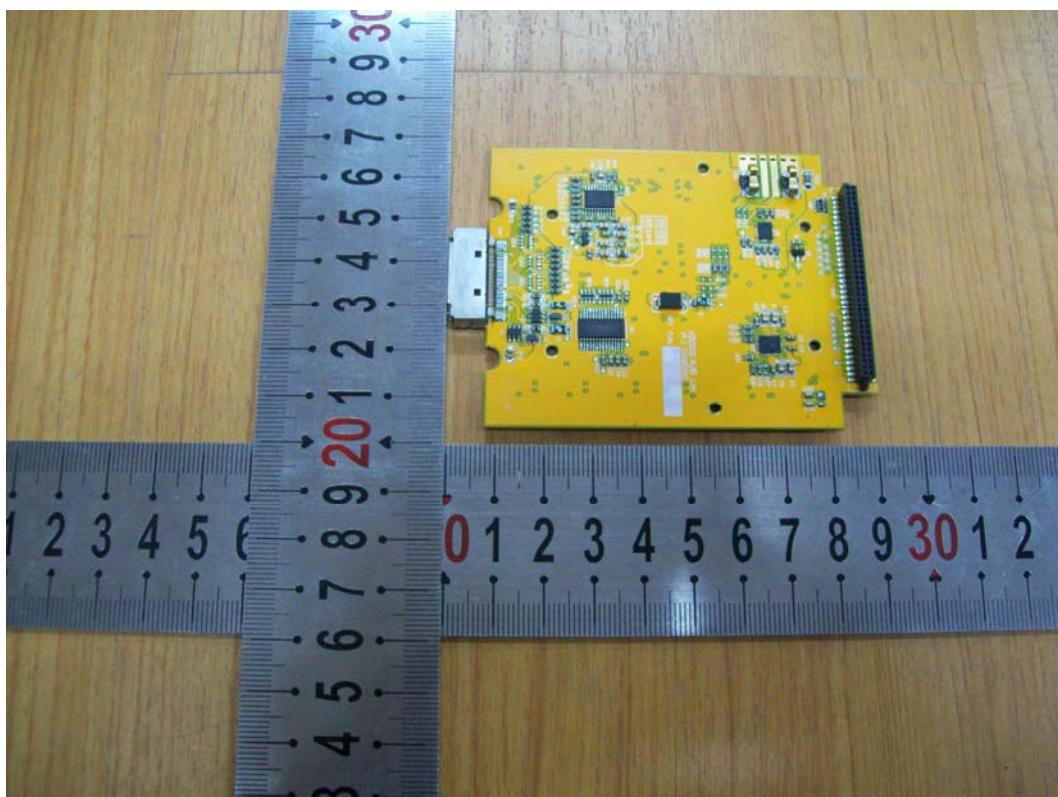
INTERNAL PHOTO OF SAMPLE – 2



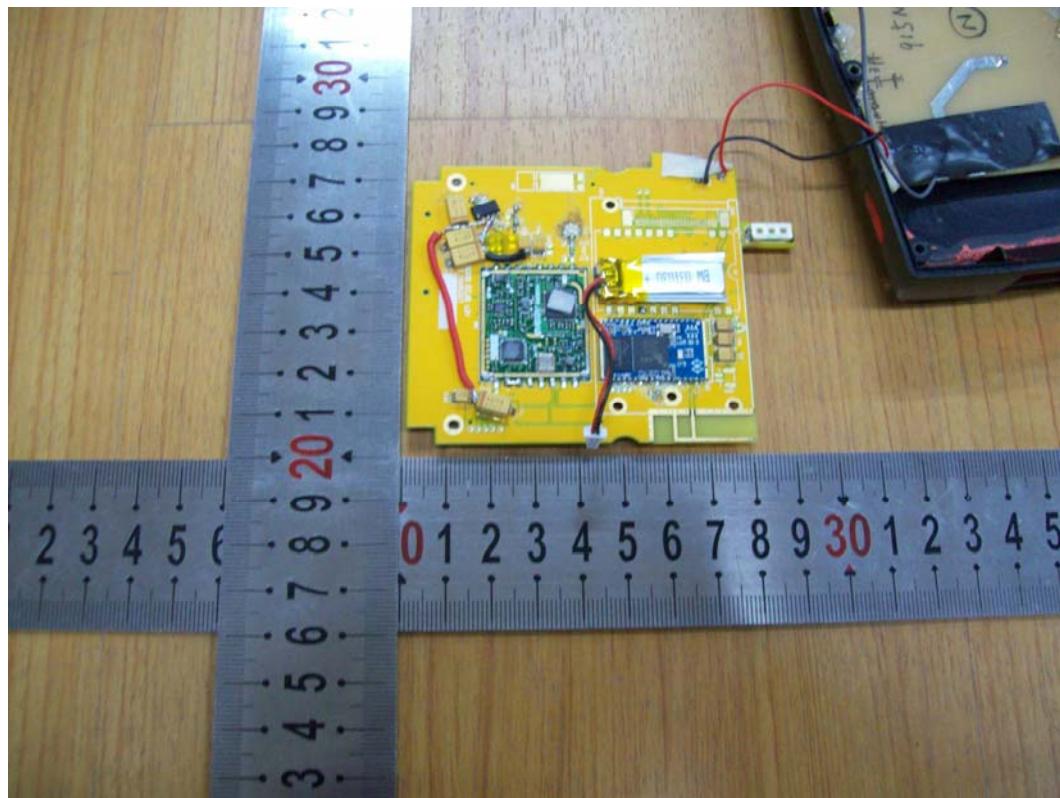
INTERNAL PHOTO OF SAMPLE – 3



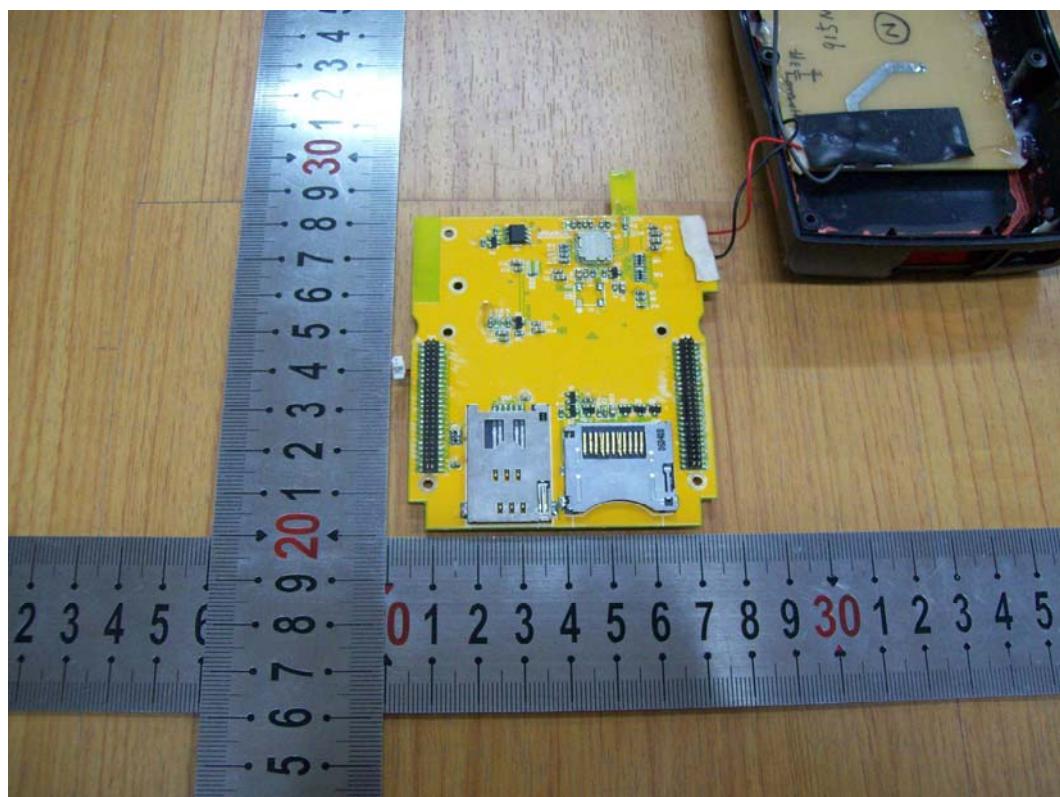
INTERNAL PHOTO OF SAMPLE -4



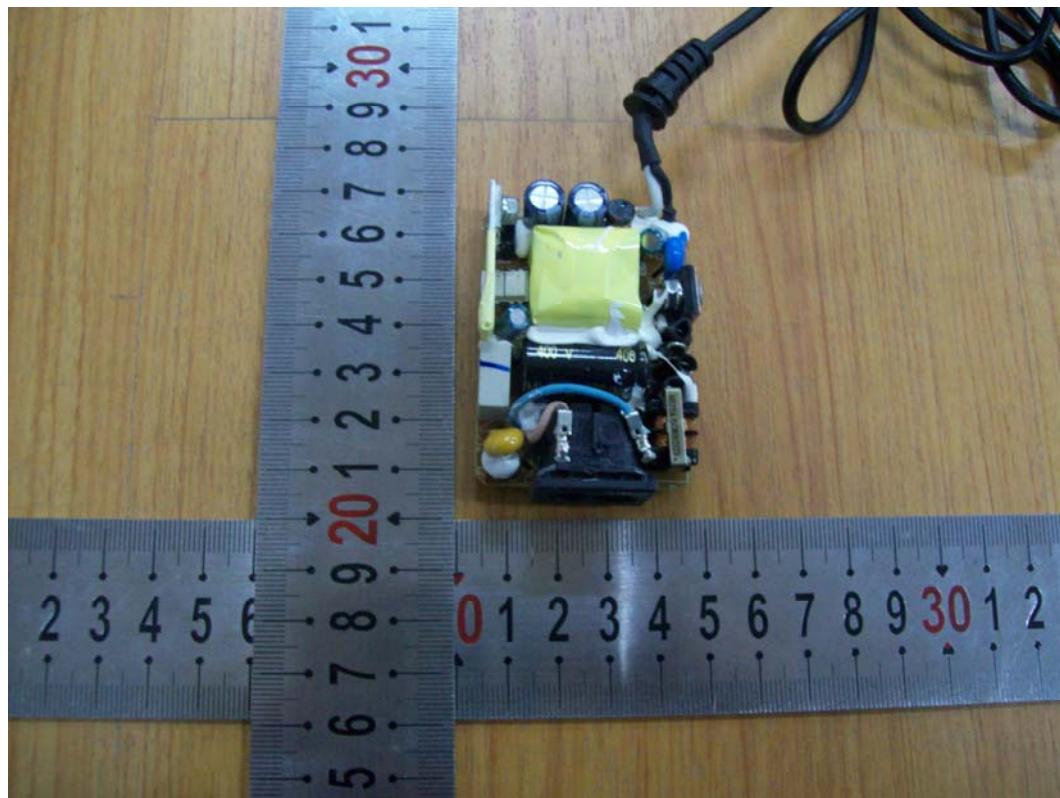
INTERNAL PHOTO OF SAMPLE -5



INTERNAL PHOTO OF SAMPLE -6



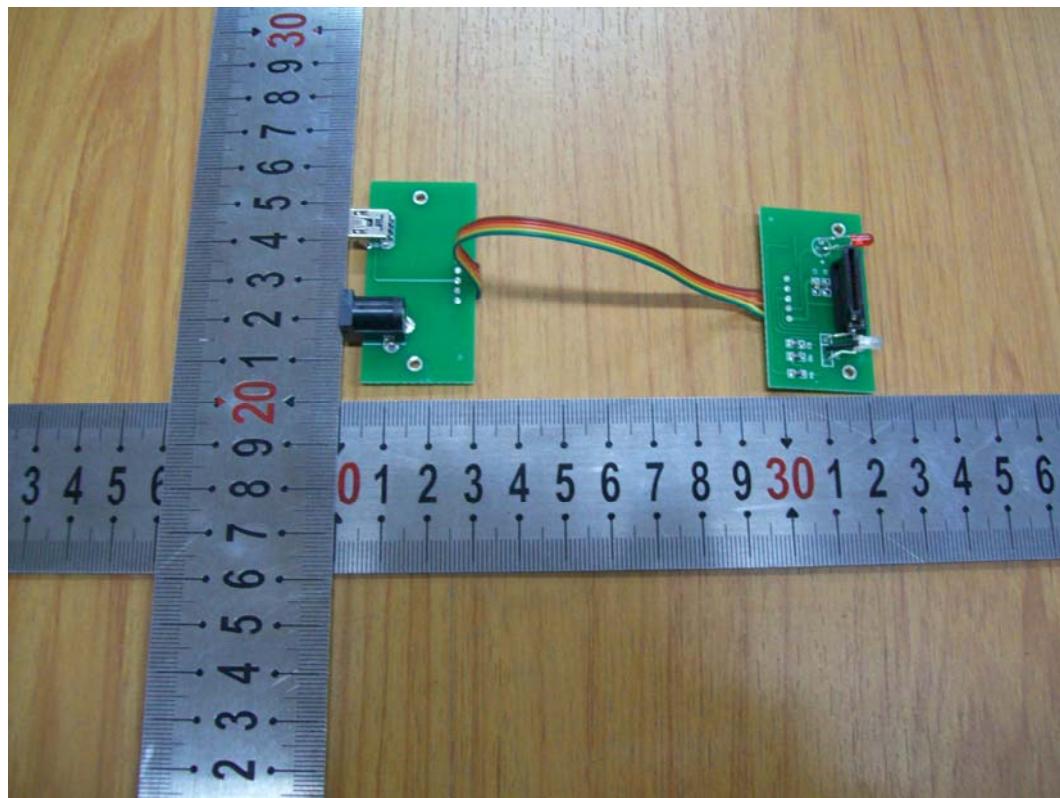
INTERNAL PHOTO OF POWER SUPPLY-1



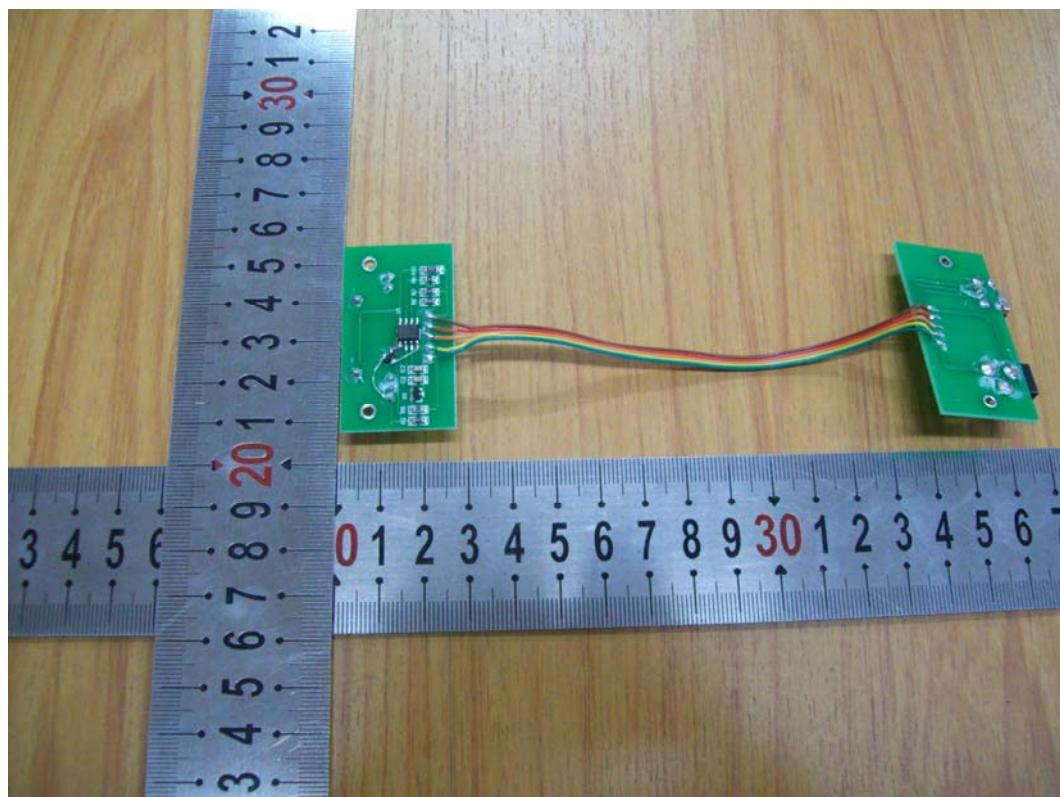
INTERNAL PHOTO OF POWER SUPPLY-2



INTERNAL PHOTO OF POWER SUPPLY SOCKET-1



INTERNAL PHOTO OF POWER SUPPLY SOCKET-2



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