FCC DOC TEST REPORT

Declaration **o**f **C**onformity

according to

47 CFR, Part 2, Part 15, CISPR PUB. 22

Applicant	:	Beauty Up Co., Ltd.
Address	:	No. 85, Danuan Rd., Tucheng City, Taipei County 236, Taiwan, R.O.C.
Equipment	:	Wireless Pad
Model No.	:	ITT-9575
Trade Name	:	BEUP

Laboratory accreditation

Testing Laboratory
1332

- The test result refers exclusively to the test presented test model / sample.
- Without written approval of ***Cerpass Technology Corp.*** the test report shall not be reproduced except in full.

Contents

CERTIFICATE OF COMPLIANCE

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Applicant	:	Beauty Up Co., Ltd.
Address	:	No. 85, Danuan Rd., Tucheng City, Taipei County 236, Taiwan, R.O.C.
Equipment	:	Wireless Pad
Model No.	:	ITT-9575

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 – 2003** and the energy emitted by this equipment was ***passed*** **CISPR PUB. 22, FCC Part 15 in** both radiated and conducted emission class B limits. Testing was carried out on May 05, 2009 at **Cerpass Technology Corp**.

Signature

Anson Chou
EMC/RF B.U. Vice General Manager

1. Test Configuration of Equipment under Test

1.1. Feature of Equipment under Test

Technology	Active Digitize
Active Area	152.4 x 114.3mm
Resolution	4046LPI
Precision	± 0.01
Pressure Sensitivity	512 steps
Pen slope	±60
Sensor Range	10mm
Tracking rate	338 inches per second
Output rate	118 Coordinate Pairs per second
Signal	1. Low electricity alert 2. Charging 3. Power on
Power consumption	Operating – 68.4mA Stand by – 54.5mA
Temperature	-20℃ ~ +50℃
Humidity	0~95%
Power Supply	AAA*4
Dimension	295x255x25mm
Weight	500g (with batteries)
Receiver	
Transmission Technology	RF2.4GHz
Distance	10m
Data Transmission Rate	12Mbps
Interface	USB A
Signal	1. Power 2. Signal transmitting
Power Supply	USB
Power Consumption	39.7mA
Humidity	-20℃ ~ 50℃
Dimensions	80 x 25 x 13mm
Weight	15g

1.2. Test Manner

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.

b. The complete test system included PC, Monitor, Mouse, Keyboard, Modem, Printer and EUT for EMI test.

c. An executive program, “Paint” under WIN XP, which display the message sent from EUT via wireless to PC.

d. The result of conduction and radiation test as follow:

Mode 1. Link Wireless, power from PC

Mode 2. Link Wireless, power from Adapter (HON-KWANG \ HK-Q105-A09)

Mode 3. Link Wireless, power from Battery – only for radiation test

cause “mode 2” generated the worst test result, so it was reported as final data.

1.3. Description of Test System

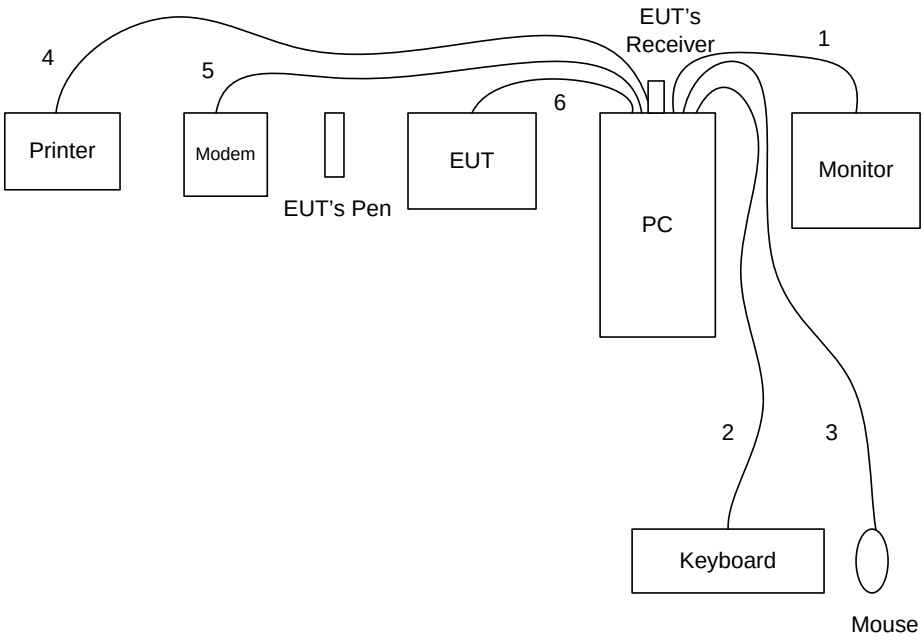
Device	Manufacturer	Model No.	Description
PC	IBM	IGV	Power Cable, Unshielding 1.8 m
Monitor	SlimAGE	510A	Data Cable, VGA Shielding 1.35 m Power Cable, Adapter Unshielding 1.8 m
Keyboard	IBM	KB-0225	Data Cable, PS2 Shielding 1.35 m
Mouse	IBM	MU29J	Data Cable, PS2 Shielding 1.85 m
Modem	ACEXX	DM-1414	Data Cable, RS232 Unshielding 1.35 m Power Cable, Adapter Unshielding 1.8 m
Printer	HP	Desk Jet 400	Data Cable, PRINT Unshielding 1.6 m Power Cable, Adapter Unshielding 1.8 m

Use Cable:

Cable	Quantity	Description
USB	1	Unshielding, 1.35m

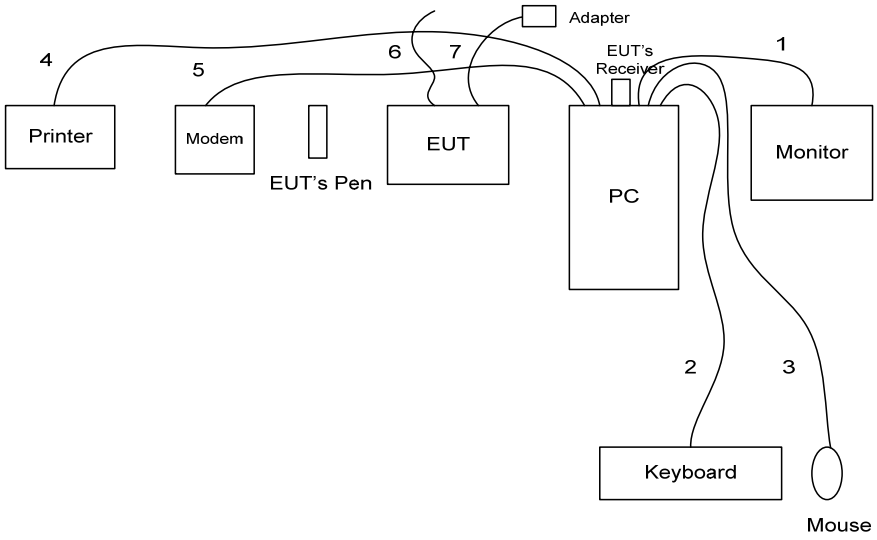
1.4. Connection Diagram of Test System

1.4.1 Test Mode: Mode 1



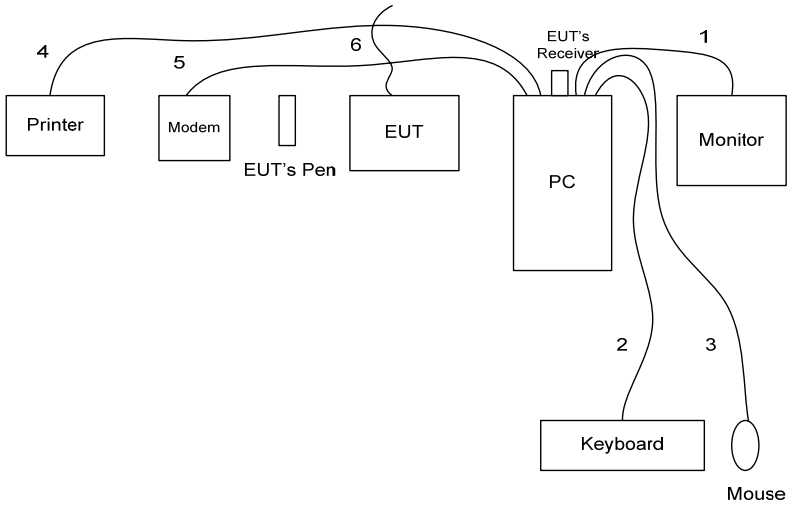
1. The VGA cable is connected from PC to the Monitor.
2. The PS/2 cable is connected from PC to the Keyboard.
3. The PS/2 cable is connected from PC to the Mouse.
4. The Print cable is connected from PC to the Printer.
5. The RS232 cable is connected from PC to the Modem.
6. The USB cable is connected from PC to the EUT.

1.4.2 Test Mode: Mode 2



1. The VGA cable is connected from PC to the Monitor.
2. The PS/2 cable is connected from PC to the Keyboard.
3. The PS/2 cable is connected from PC to the Mouse.
4. The Print cable is connected from PC to the Printer.
5. The RS232 cable is connected from PC to the Modem.
6. The USB cable is floating.
7. The power cable is connected from Adapter to the EUT.

1.4.3 Test Mode: Mode 3



1. The VGA cable is connected from PC to the Monitor.
2. The PS/2 cable is connected from PC to the Keyboard.
3. The PS/2 cable is connected from PC to the Mouse.
4. The Print cable is connected from PC to the Printer.
5. The RS232 cable is connected from PC to the Modem.
6. The USB cable is floating.

1.5. General Information of Test

Test Site :	Cerpass Technology Corp. 2F-11, No. 3, Yuan Qu St., (Nankang Software Park), Taipei, Taiwan 115, R.O.C.
Test Site Location (OATS1-SD):	No. 7-2, Moshihkeng, Fongtian Village, Shihding Township, Taipei County, Taiwan, R.O.C.
FCC Registration Number :	TW1049, 982971
IC Registration Number :	4934C-1
VCCI Registration Number :	T-338 for Telecommunication Test C-2188 for Conducted emission test R-1902 for Radiated emission test
Test Voltage:	AC 120V / 60Hz
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart B
Frequency Range Investigated :	Conducted Emission Test: from 150kHz to 30 MHz Radiated Emission Test: from 30 MHz to 2,000 MHz
Test Distance :	The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.

1.6. Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	2.71 dB
Radiated Emission	30 MHz ~ 1GHz	Vertical	3.89 dB
		Horizontal	3.59 dB

1.7. History of this test report

■ ORIGINAL.

☐ Additional attachment as following record:

Attachment No.	Issue Date	Description

2. Test of Conducted Emission

2.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

2.2. Test Procedures

a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.

b. Connect EUT to the power mains through a line impedance stabilization network (LISN).

c. All the support units are connecting to the other LISN.

d. The LISN provides 50 ohm coupling impedance for the measuring instrument.

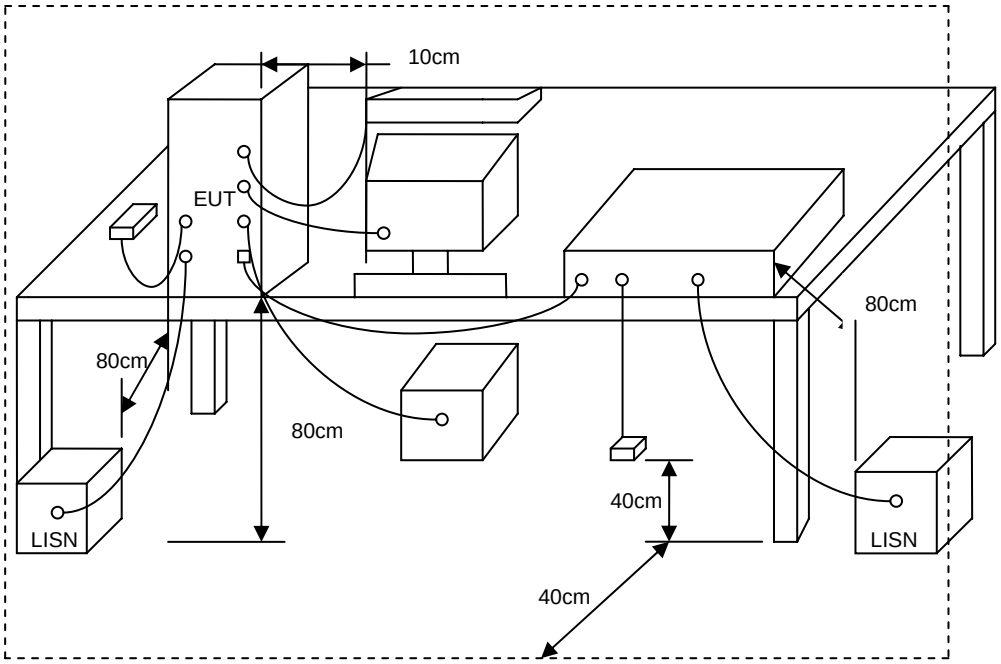
e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.

f. Both sides of AC line were checked for maximum conducted interference.

g. The frequency range from 150 kHz to 30 MHz was searched.

h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

2.3. Typical test Setup

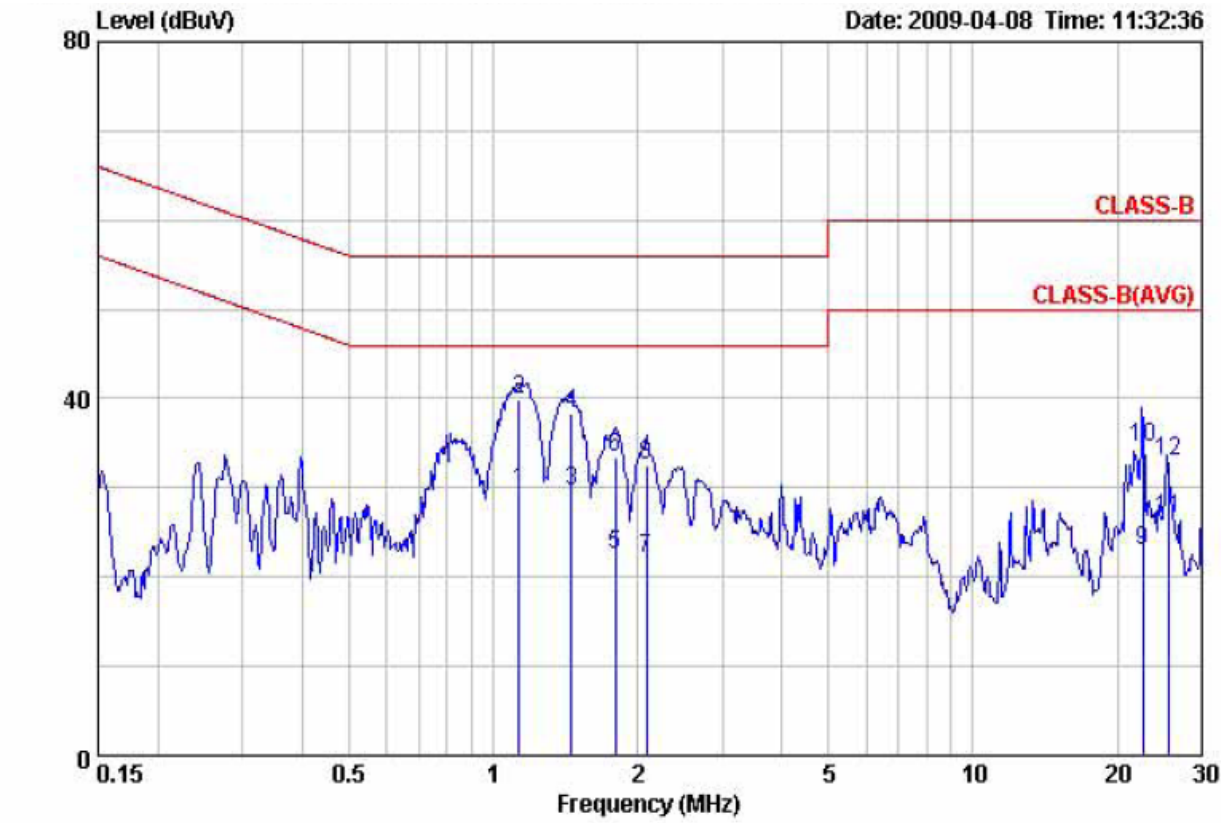


2.4. Measurement equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Receiver	R&S	ESCI	100443	2008/09/27	2009/09/26
LISN	MESS TEC	NNB-2/16Z	02/10191	2008/05/14	2009/05/13
LISN	ROLF HEINE	NNB-2/16Z	03/10058	2008/04/19	2009/04/18

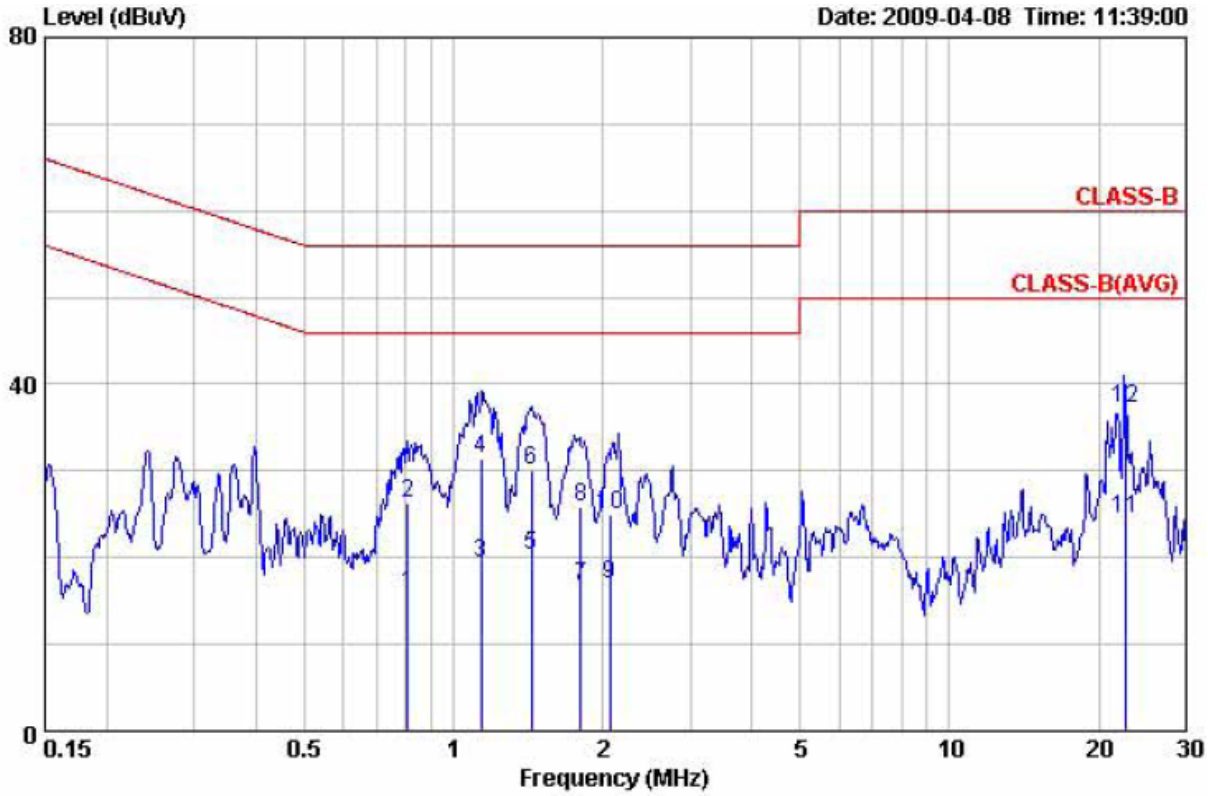
2.5. Test Result and Data

Power	:	AC 120V	Pol/Phase	:	LINE
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	65 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dBuV	
1	1.131	29.631	0.117	29.748	46.000	-16.252	Average
2	1.131	39.758	0.117	39.875	56.000	-16.125	QP
3	1.455	29.444	0.132	29.576	46.000	-16.424	Average
4	1.455	38.176	0.132	38.308	56.000	-17.692	QP
5	1.801	22.406	0.144	22.550	46.000	-23.450	Average
6	1.801	33.194	0.144	33.338	56.000	-22.662	QP
7	2.084	21.803	0.154	21.957	46.000	-24.043	Average
8	2.084	32.315	0.154	32.469	56.000	-23.531	QP
9	22.570	22.744	0.215	22.959	50.000	-27.041	Average
10	22.570	34.415	0.215	34.630	60.000	-25.370	QP
11	25.510	26.423	0.200	26.623	50.000	-23.377	Average
12	25.510	32.737	0.200	32.937	60.000	-27.063	QP

Power	:	AC 120V	Pol/Phase	:	NEUTRAL
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	65 %



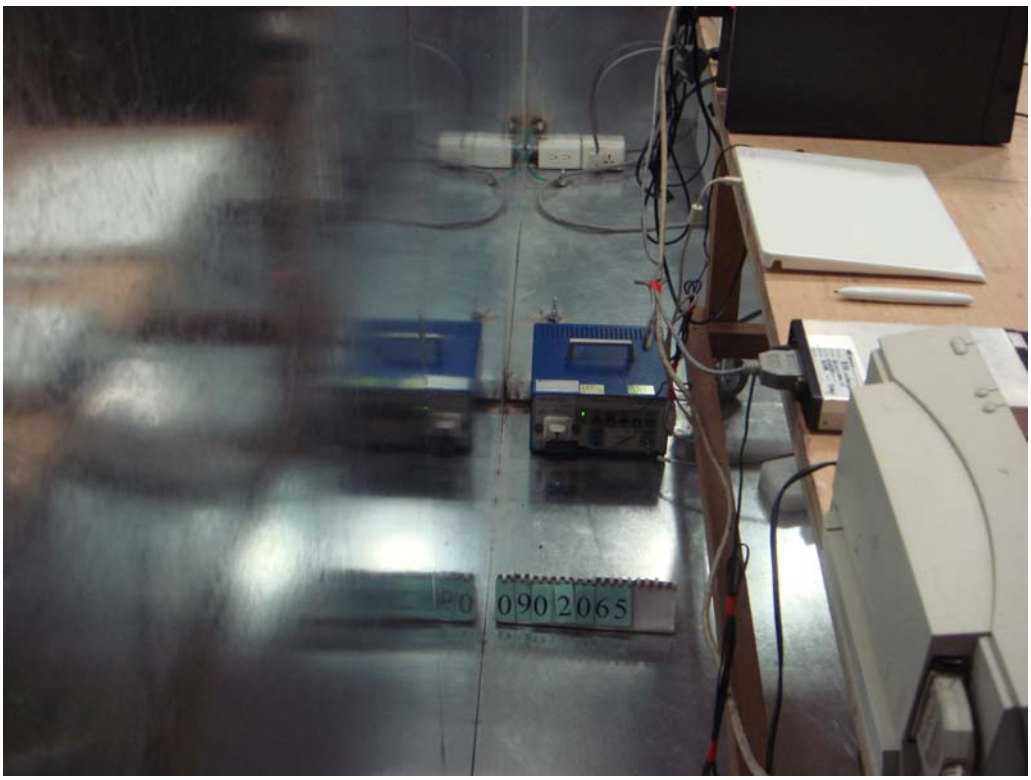
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dBuV	
1	0.808	15.684	0.125	15.809	46.000	-30.191	Average
2	0.808	26.072	0.125	26.197	56.000	-29.803	QP
3	1.139	19.347	0.134	19.481	46.000	-26.519	Average
4	1.139	31.239	0.134	31.373	56.000	-24.627	QP
5	1.434	20.138	0.140	20.278	46.000	-25.722	Average
6	1.434	29.939	0.140	30.079	56.000	-25.921	QP
7	1.804	16.601	0.147	16.748	46.000	-29.252	Average
8	1.804	25.779	0.147	25.926	56.000	-30.074	QP
9	2.067	16.699	0.152	16.851	46.000	-29.149	Average
10	2.067	24.792	0.152	24.944	56.000	-31.056	QP
11	22.570	24.074	0.382	24.456	50.000	-25.544	Average
12	22.570	36.846	0.382	37.228	60.000	-22.772	QP

Test engineer: Tom

2.6. Test Photographs

Front View

Rear View



3. Test of Radiated Emission

3.1. Test Limit

Radiated emissions from 30 MHz to 2,000 MHz were measured with a bandwidth of 120 kHz according to the methods defines in ANSI C63.4-2003. The EUT was placed on a nonmetallic stand in the open-field site, 0.8 meter above the ground plane, as shown in section 3.2. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions. For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V/ M)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

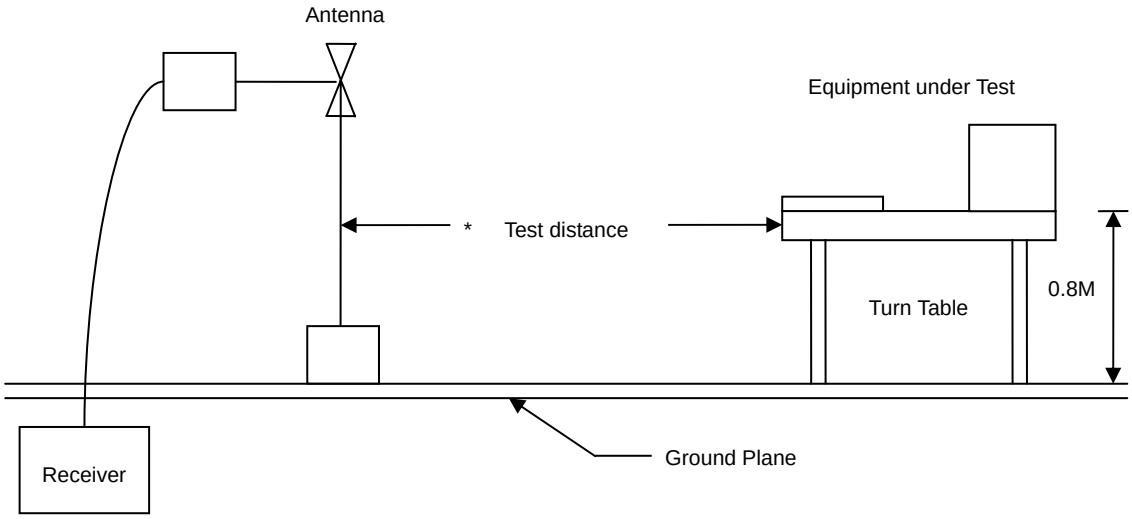
For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

Frequency (MHz)	Distance Meters	Radiated (dB μ V/ M)
30-230	10	30
230-1000	10	37

3.2. Test Procedures

a. The EUT was placed on a Rota table top 0.8 meter above ground.
b. The EUT was set 10 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a half wave dipole and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. If the emission level of the EUT in peak mode was 6 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 6 dB margin will be repeated one by one using the quasi-peak method and reported.

3.3. Typical test Setup

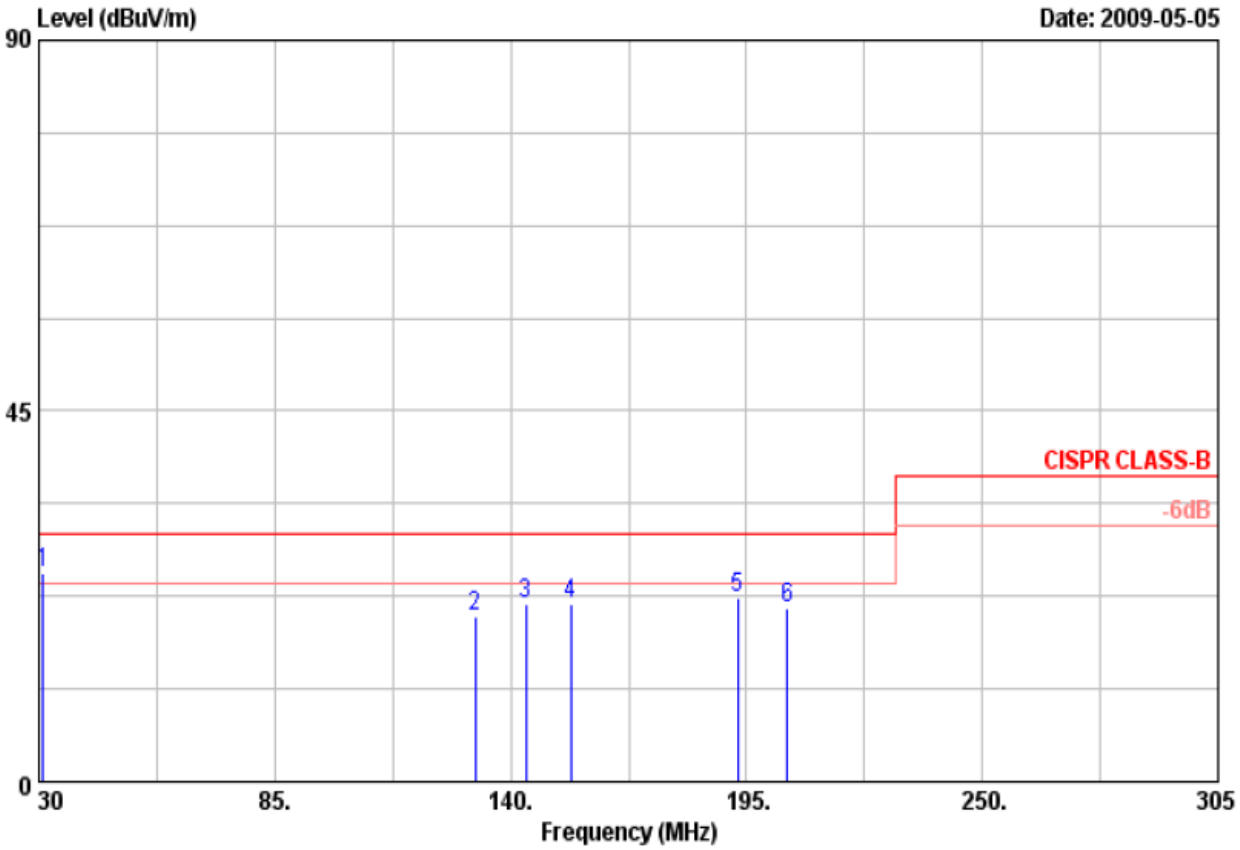


3.4. Measurement equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Bilog Antenna	Schaffner	CBL6112B	2840	2008/05/15	2009/05/14
Signal Generator	HP	8648B	3629U00612	2008/10/08	2009/10/07
Amplifier	Agilent	8447D	2944A10593	2008/05/26	2009/05/25
EMI Receiver	HP	8546A	3807A00454	2008/08/07	2009/08/06
RF Filter Section	HP	85460A	3704A00386	2008/08/07	2009/08/06
AC Power Converter	APC	AFC-11005	F103120008	N/A	N/A

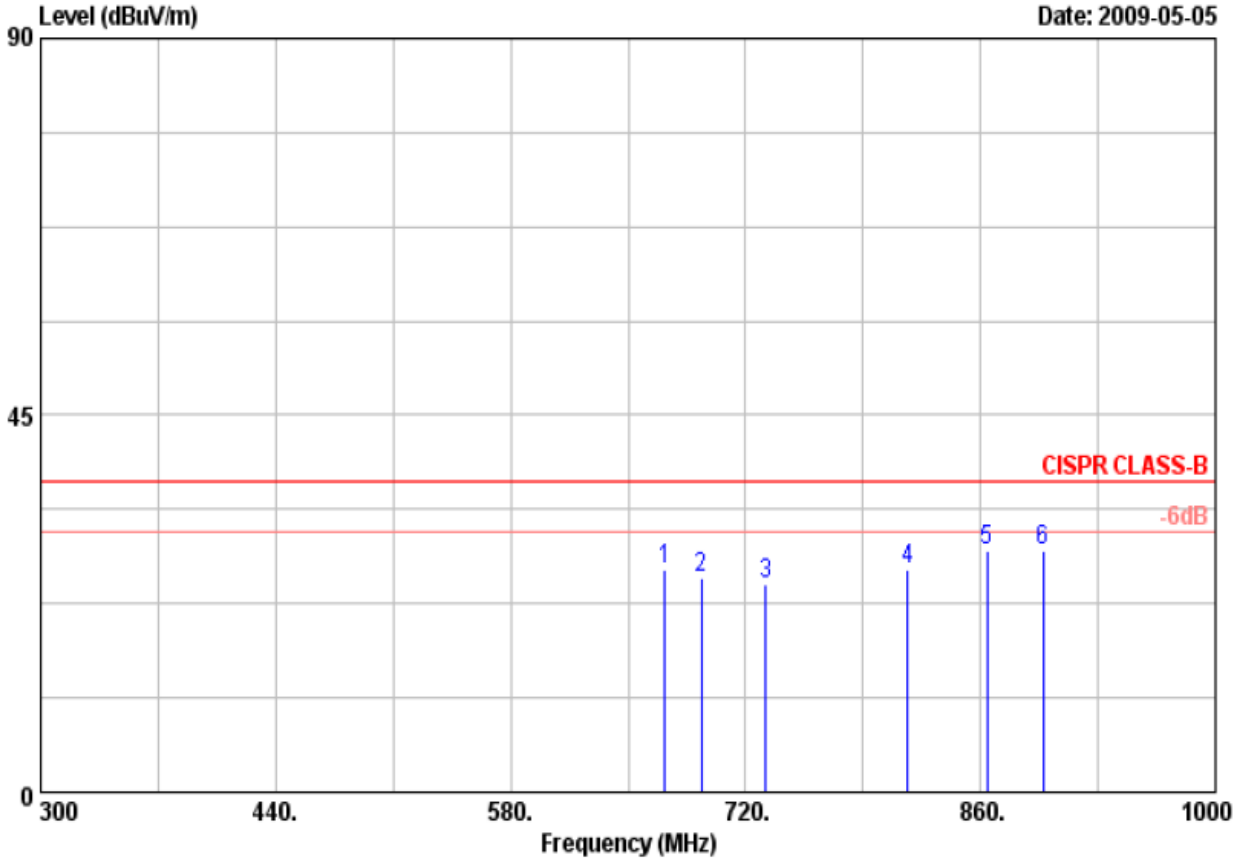
3.5. Test Result and Data

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	66 %



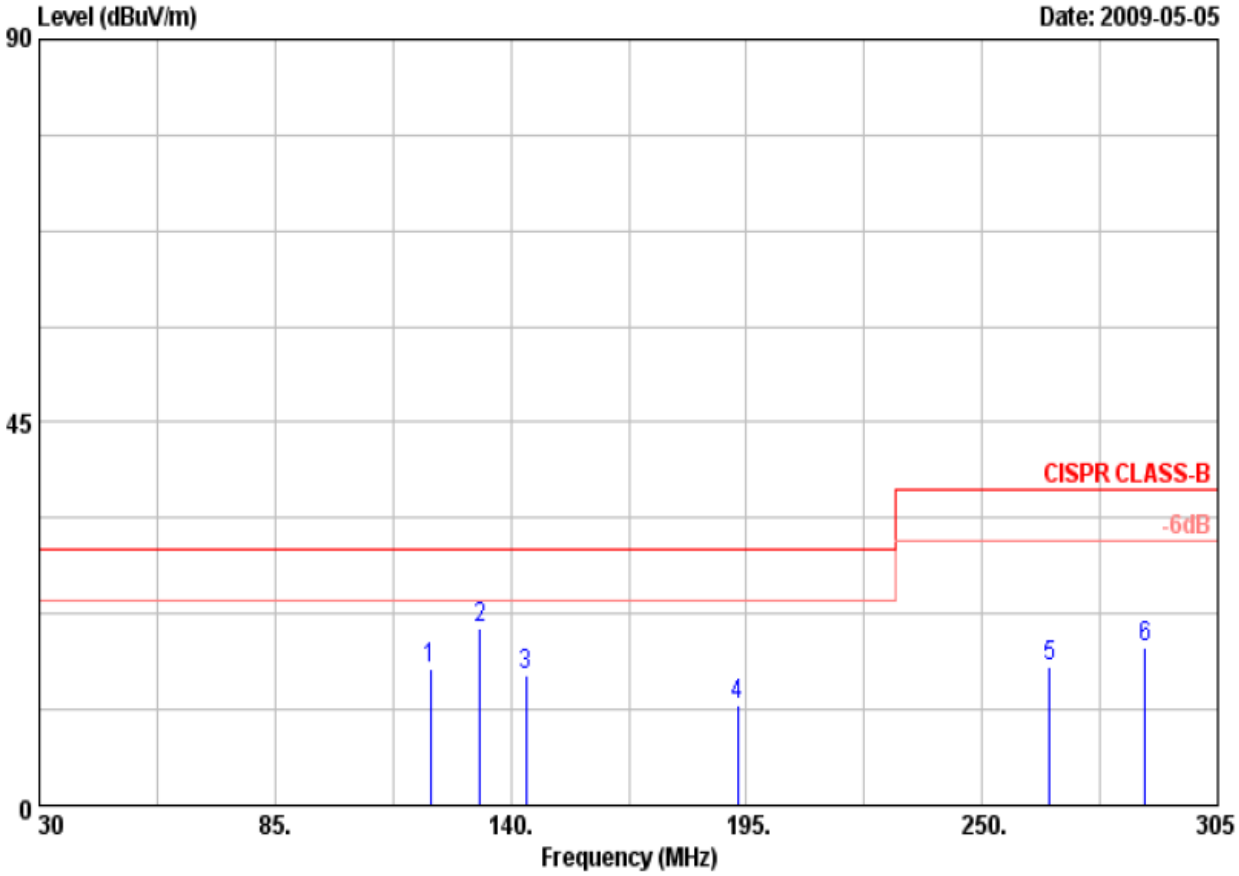
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	30.970	39.667	-14.303	25.364	30.000	-4.636	Peak	398	0
2	131.850	35.989	-15.835	20.154	30.000	-9.846	Peak	398	0
3	143.490	39.646	-18.064	21.582	30.000	-8.418	Peak	398	0
4	154.160	39.273	-17.597	21.676	30.000	-8.324	Peak	398	0
5	192.960	38.561	-16.358	22.203	30.000	-7.797	Peak	398	0
6	204.600	36.304	-15.246	21.058	30.000	-8.942	Peak	398	0

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	66 %



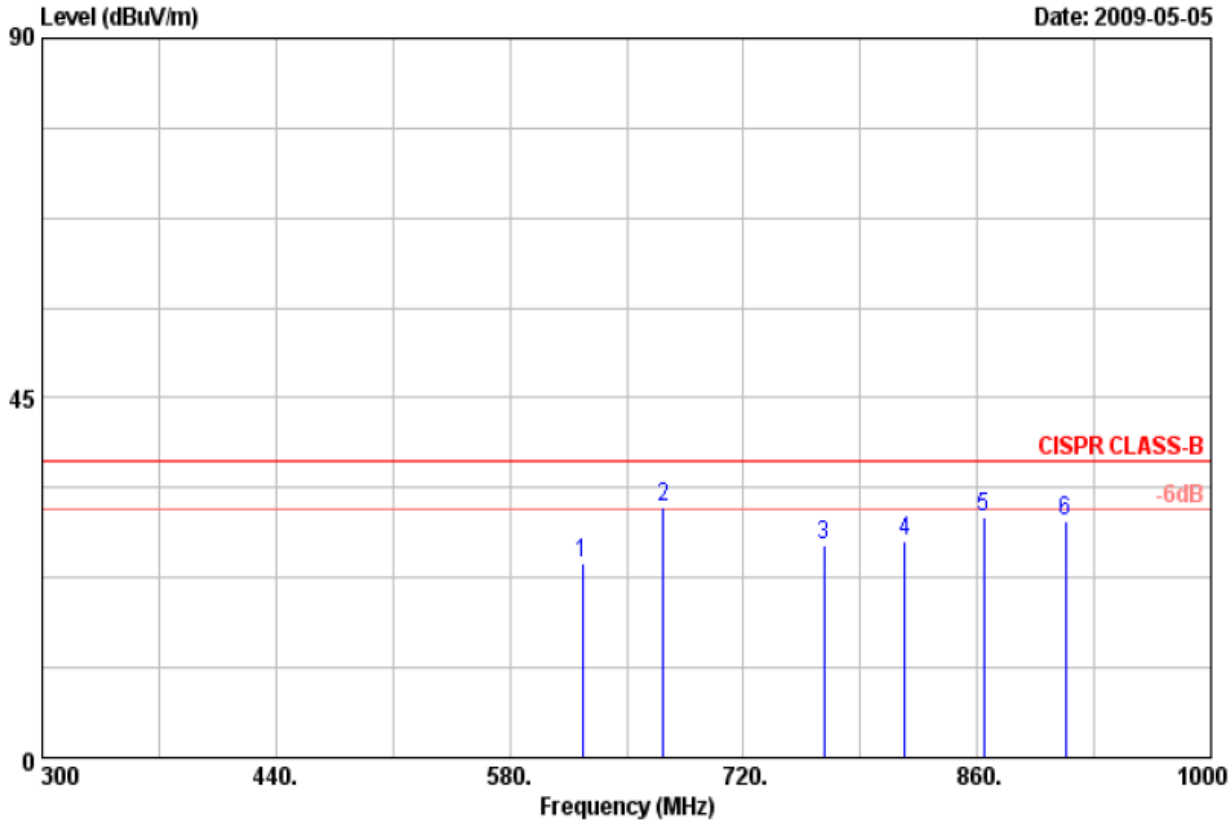
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	672.140	36.370	-9.887	26.483	37.000	-10.517	Peak	398	0
2	693.480	35.107	-9.573	25.534	37.000	-11.466	Peak	398	0
3	732.280	30.799	-6.000	24.799	37.000	-12.201	Peak	398	0
4	816.670	31.654	-5.004	26.650	37.000	-10.350	Peak	398	0
5	864.200	33.915	-5.101	28.814	37.000	-8.186	Peak	398	0
6	897.180	34.944	-6.063	28.881	37.000	-8.119	Peak	398	0

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	66 %



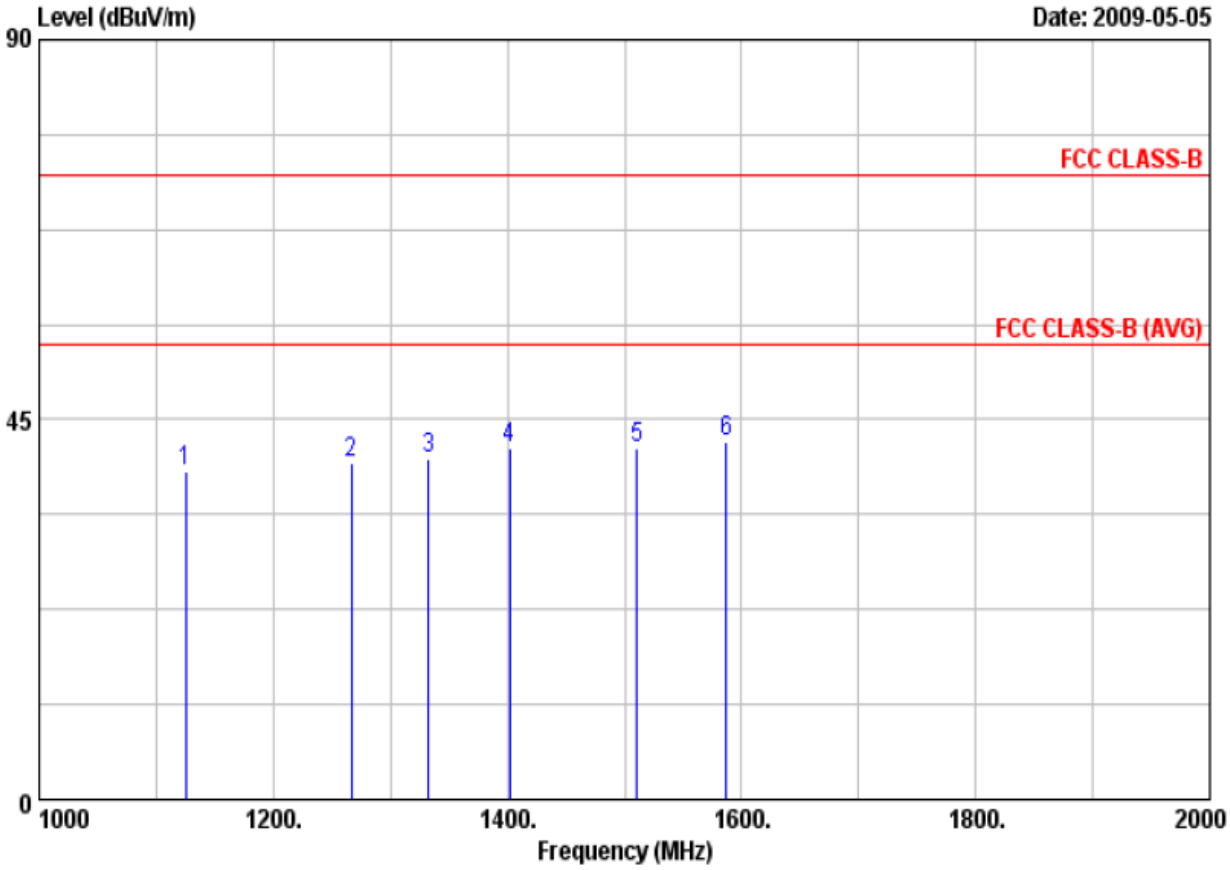
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	121.180	36.032	-20.057	15.975	30.000	-14.025	Peak	100	0
2	132.820	42.656	-21.789	20.867	30.000	-9.133	Peak	100	0
3	143.490	37.253	-21.895	15.358	30.000	-14.642	Peak	100	0
4	192.960	35.486	-23.706	11.780	30.000	-18.220	Peak	100	0
5	265.710	36.487	-20.223	16.264	37.000	-20.736	Peak	100	0
6	288.020	37.907	-19.344	18.563	37.000	-18.437	Peak	100	0

Power	:	AC 120V		Pol/Phase	:	HORIZONTAL	
Test Mode 2	:	Link Wireless, power from Adapter		Temperature	:	23 °C	
Memo	:			Humidity	:	66 %	



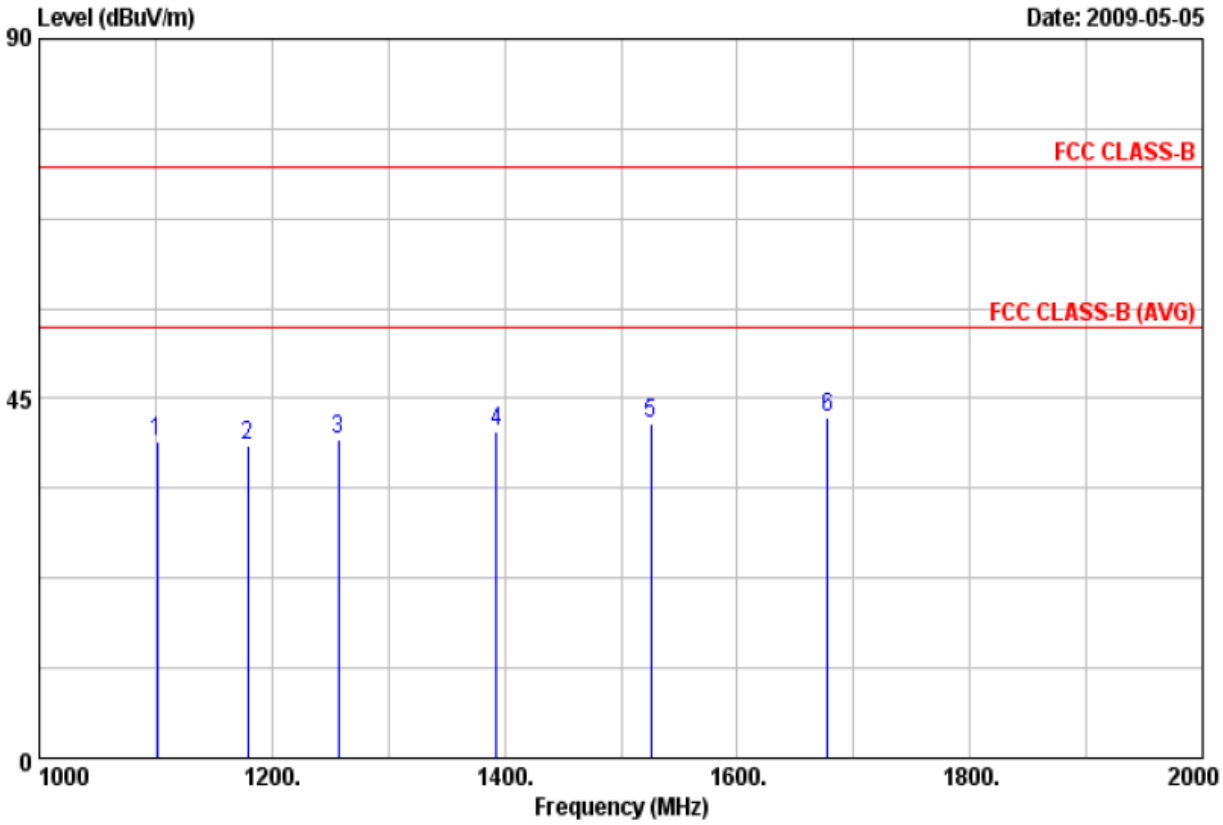
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	623.640	33.345	-9.152	24.193	37.000	-12.807	Peak	100	0
2	672.140	40.447	-9.067	31.380	37.000	-5.620	Peak	100	0
3	768.170	34.945	-8.408	26.537	37.000	-10.463	Peak	100	0
4	816.670	33.681	-6.597	27.084	37.000	-9.916	Peak	100	0
5	864.200	36.294	-6.287	30.007	37.000	-6.993	Peak	100	0
6	912.700	35.362	-5.769	29.593	37.000	-7.407	Peak	100	0

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	66 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	1125.000	36.833	2.098	38.931	74.000	-35.069	Peak	200	0
2	1267.000	37.147	2.805	39.952	74.000	-34.048	Peak	200	0
3	1333.000	37.659	2.745	40.404	74.000	-33.596	Peak	200	0
4	1402.000	38.237	3.378	41.615	74.000	-32.385	Peak	200	0
5	1511.000	36.988	4.606	41.594	74.000	-32.406	Peak	200	0
6	1587.000	37.224	5.039	42.263	74.000	-31.737	Peak	200	0

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 2	:	Link Wireless, power from Adapter	Temperature	:	23 °C
Memo	:		Humidity	:	66 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	1101.000	37.698	1.930	39.628	74.000	-34.372	Peak	100	0
2	1179.000	36.950	2.233	39.183	74.000	-34.817	Peak	100	0
3	1257.000	37.126	2.764	39.890	74.000	-34.110	Peak	100	0
4	1393.000	37.445	3.391	40.836	74.000	-33.164	Peak	100	0
5	1526.000	37.237	4.683	41.920	74.000	-32.080	Peak	100	0
6	1678.000	36.829	5.734	42.563	74.000	-31.437	Peak	100	0

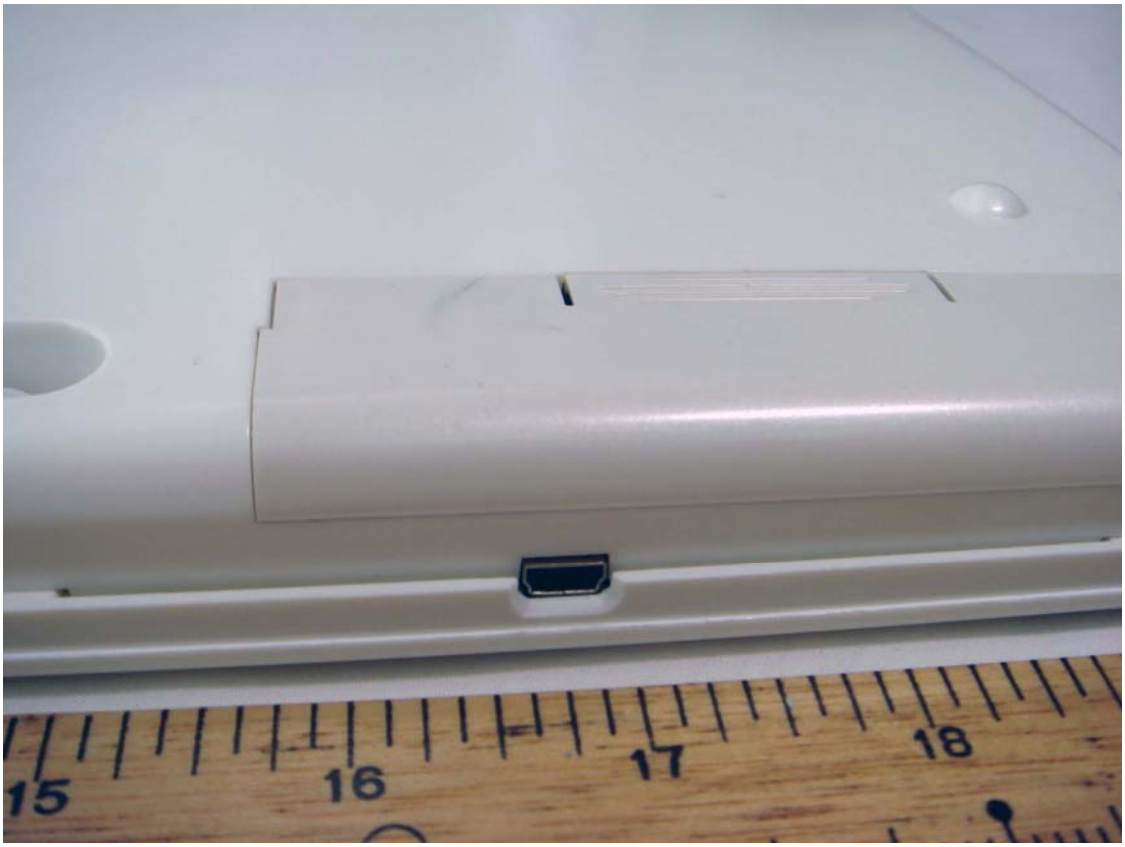
Test engineer: Ray

3.6. Test Photographs

Front View

Rear View

Appendix A. Photographs of EUT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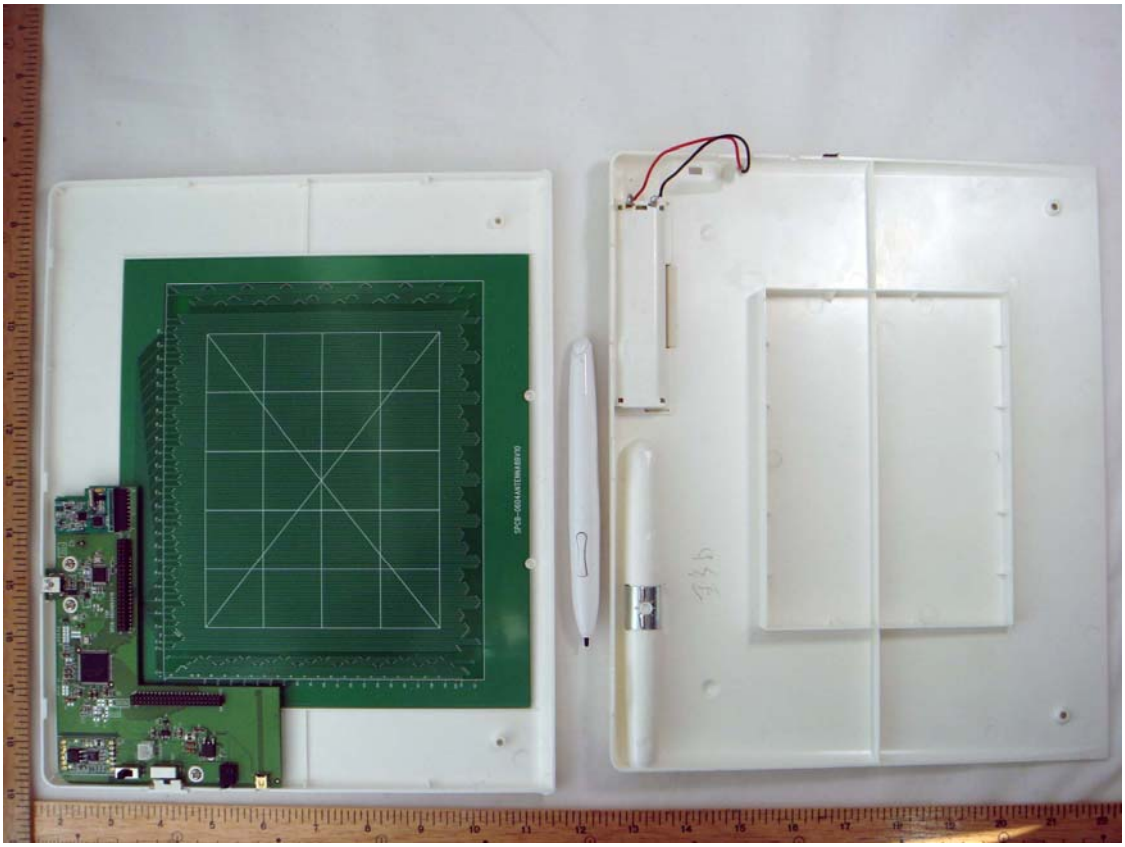

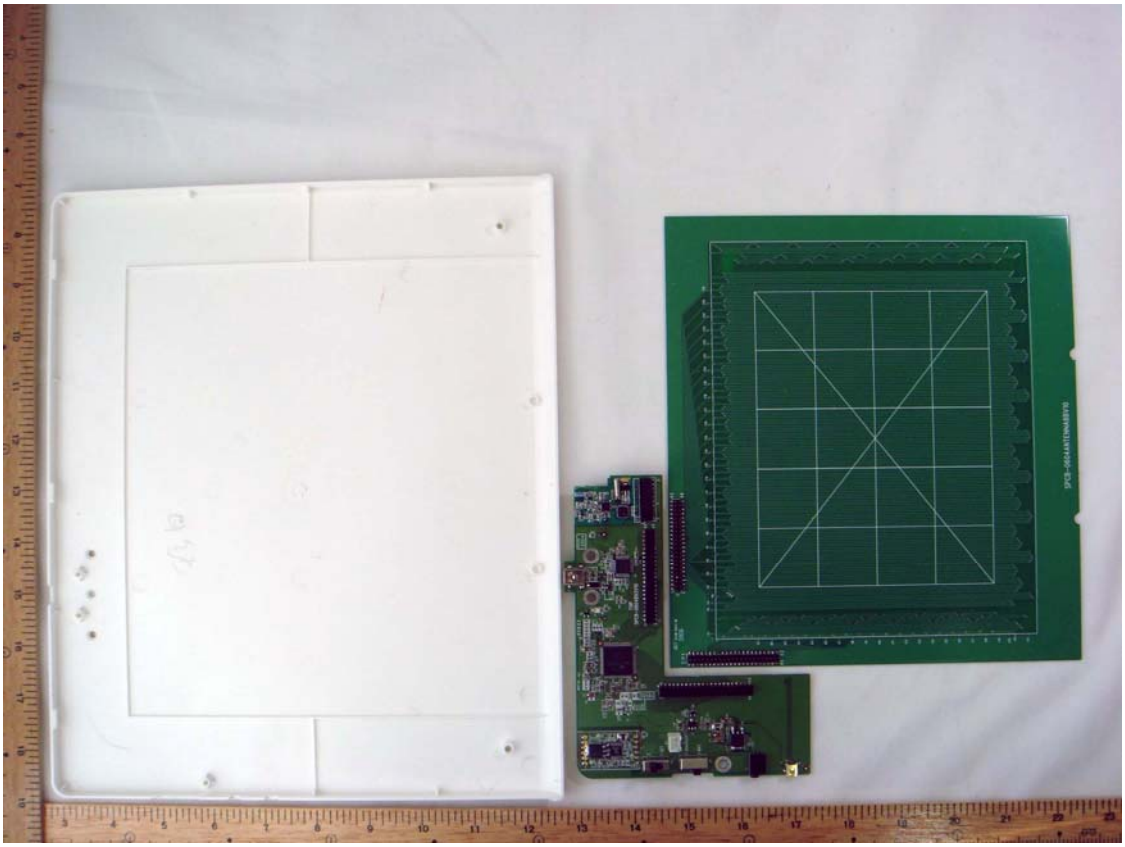

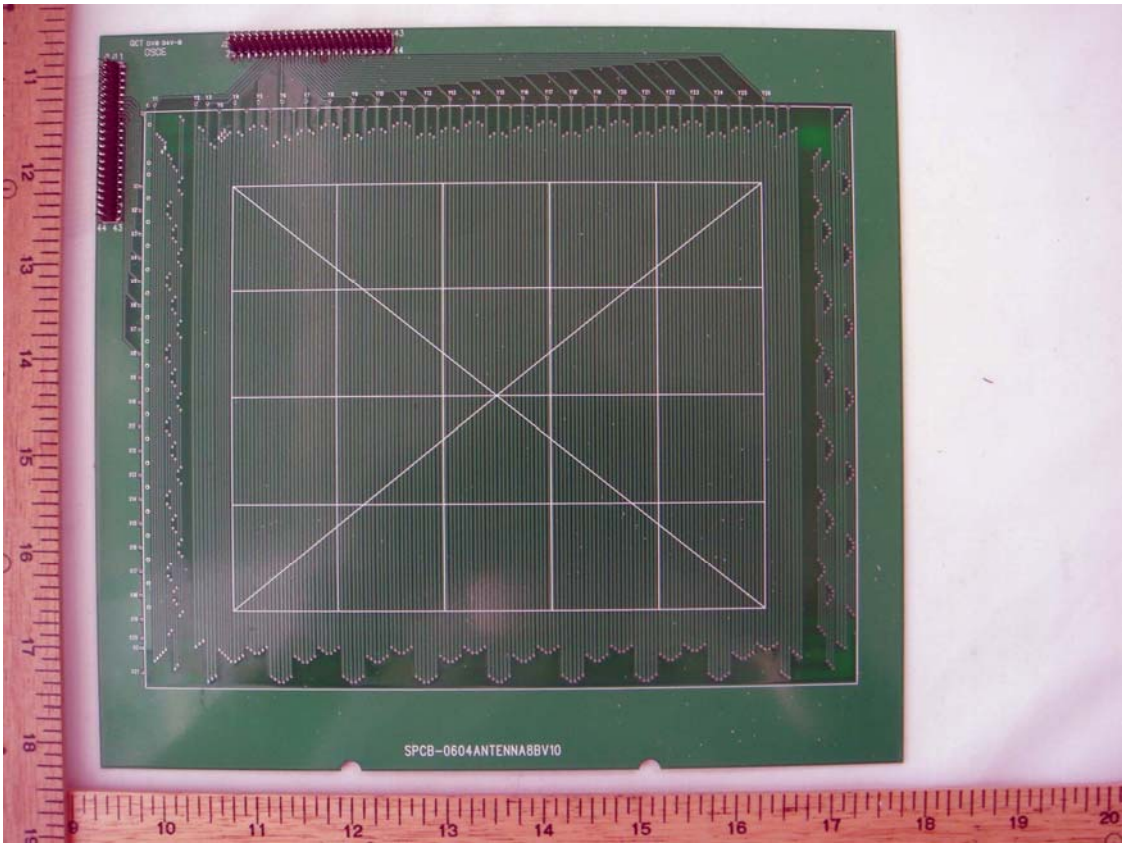
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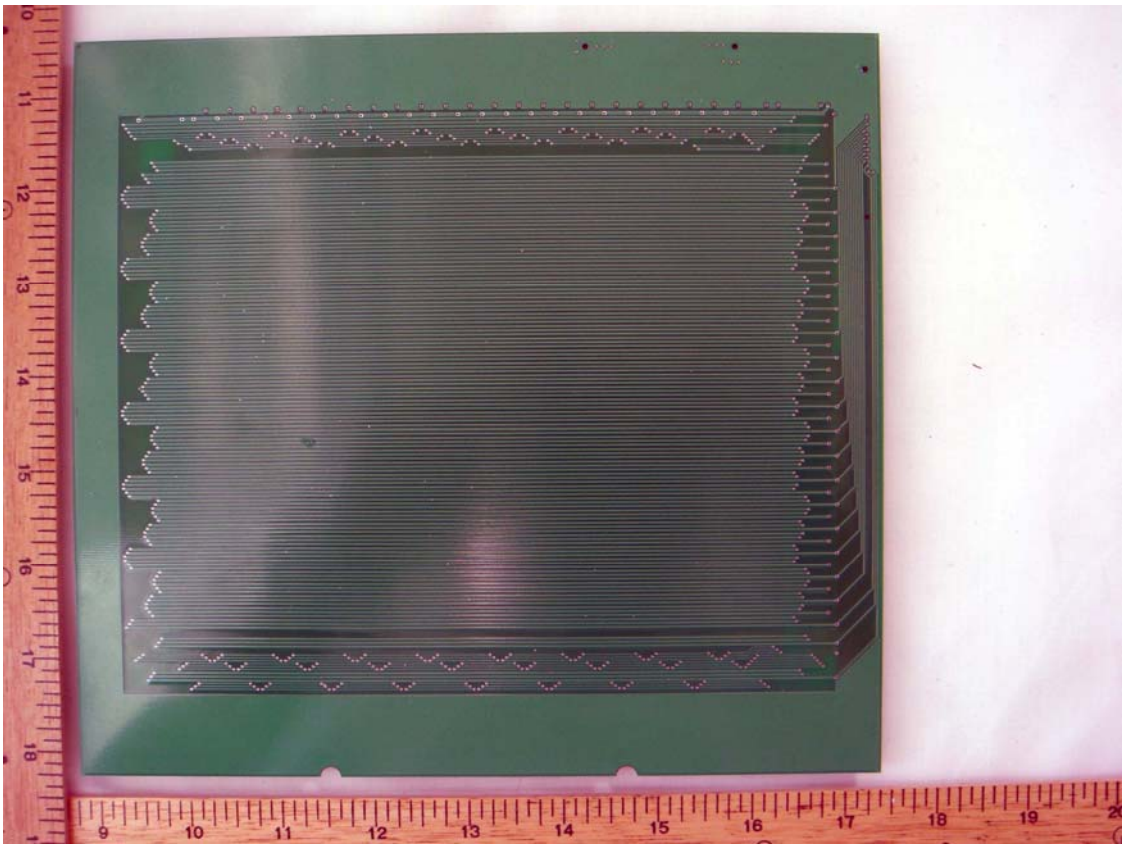

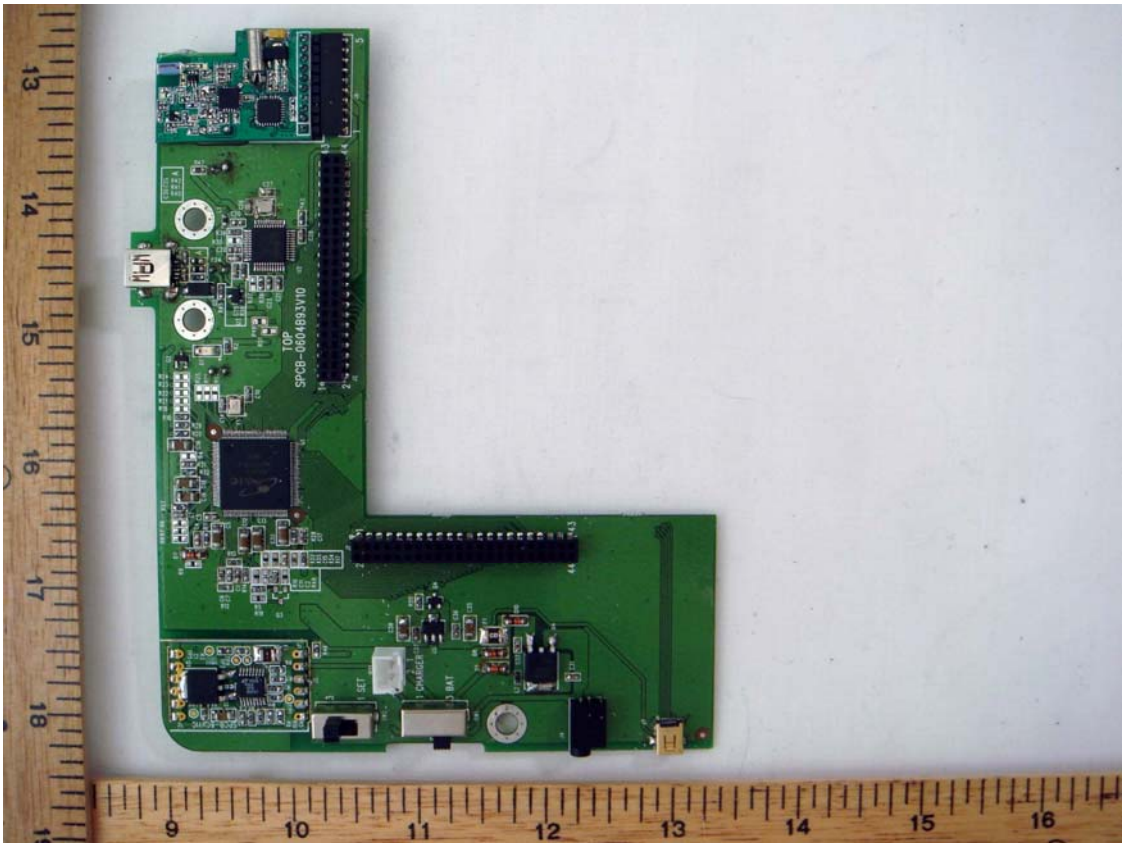
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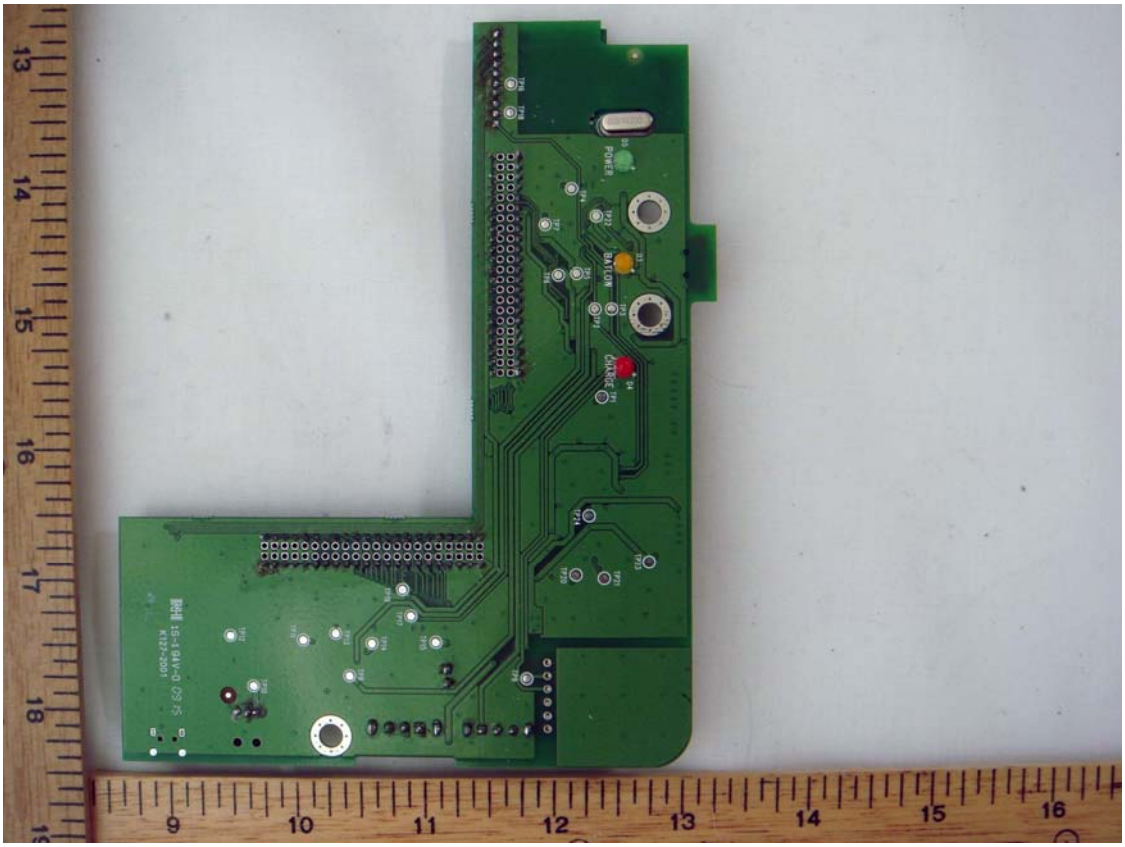
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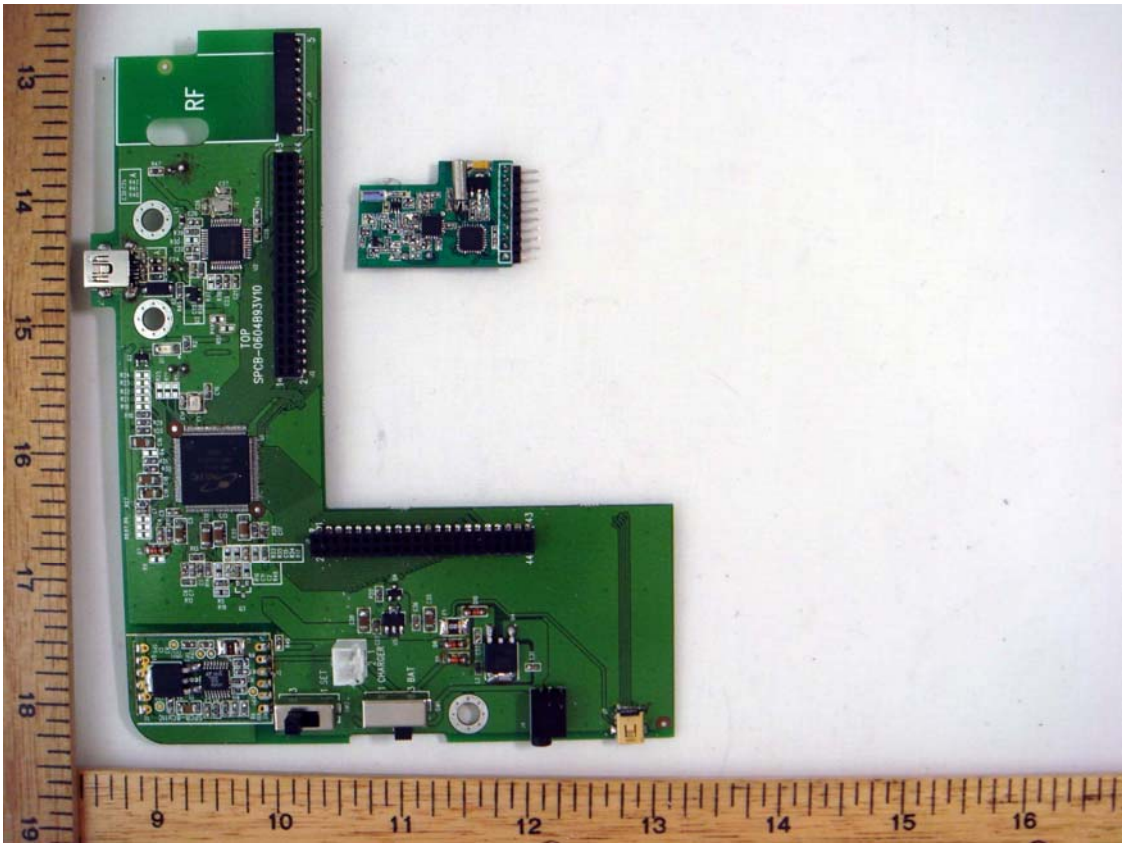
CHARGE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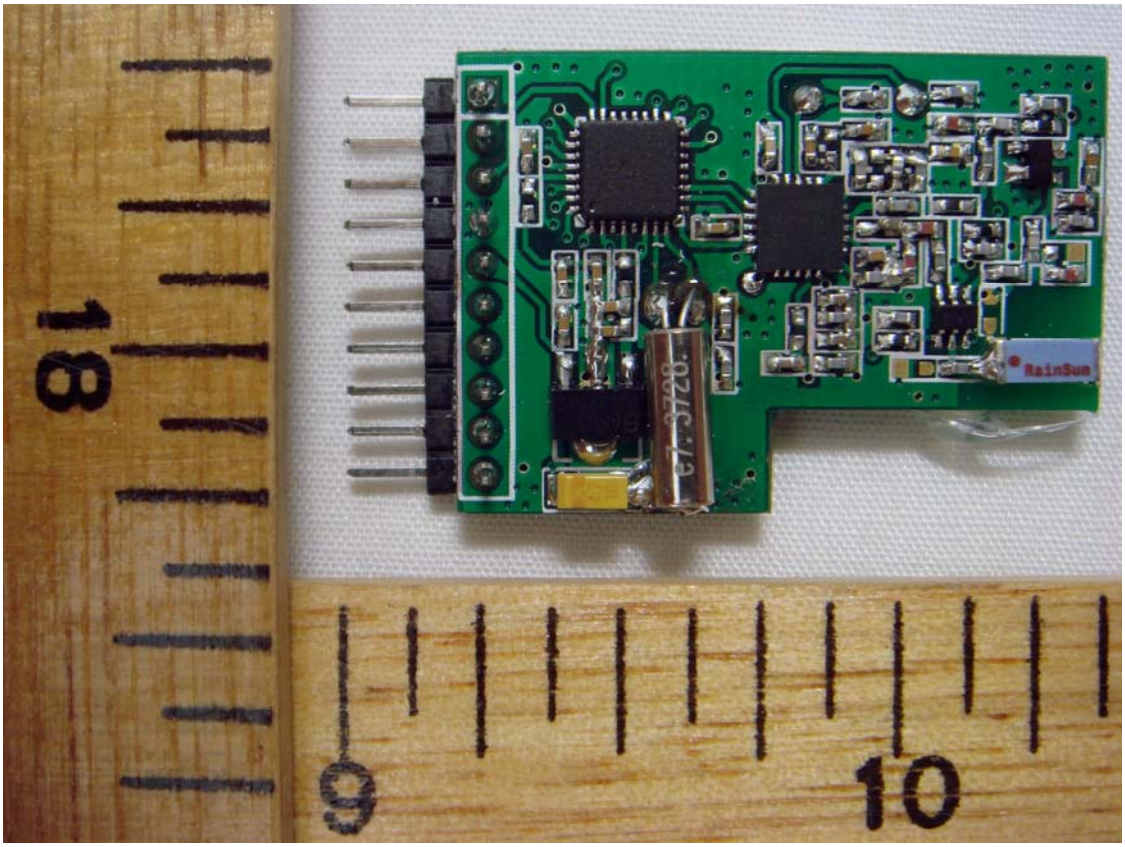
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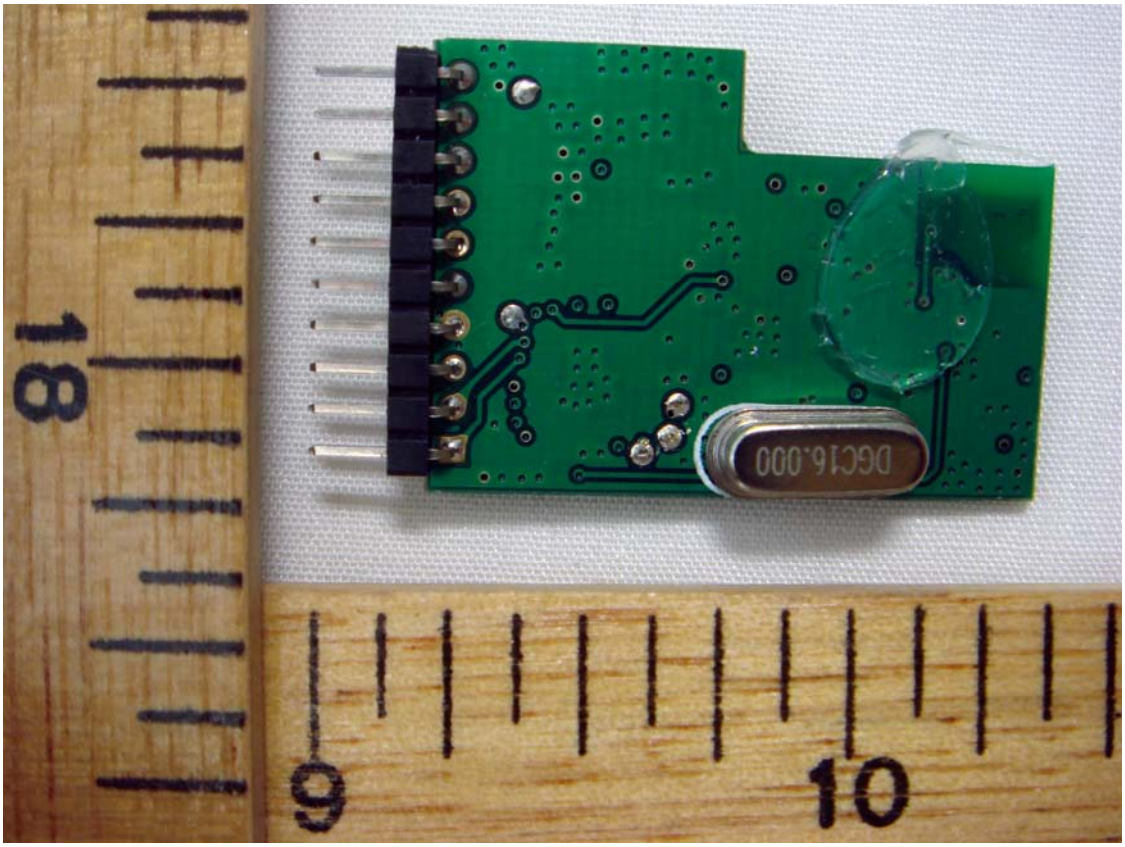
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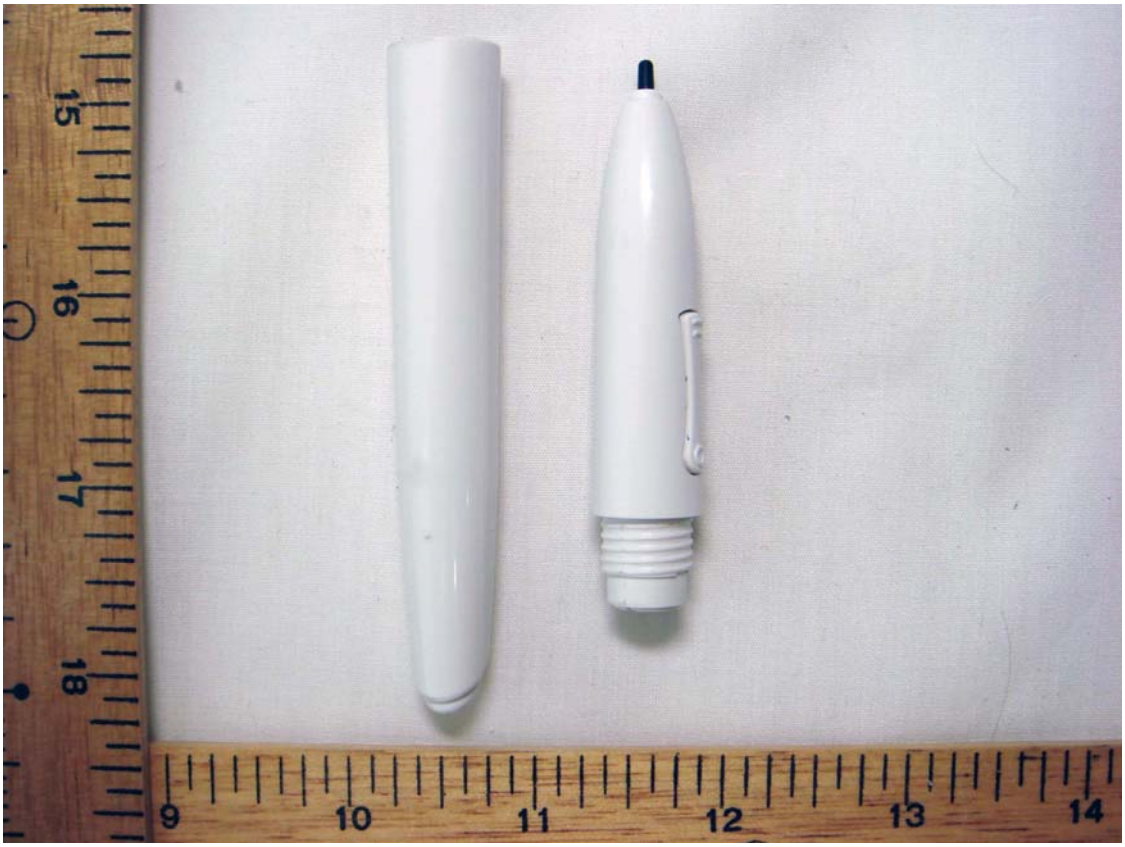

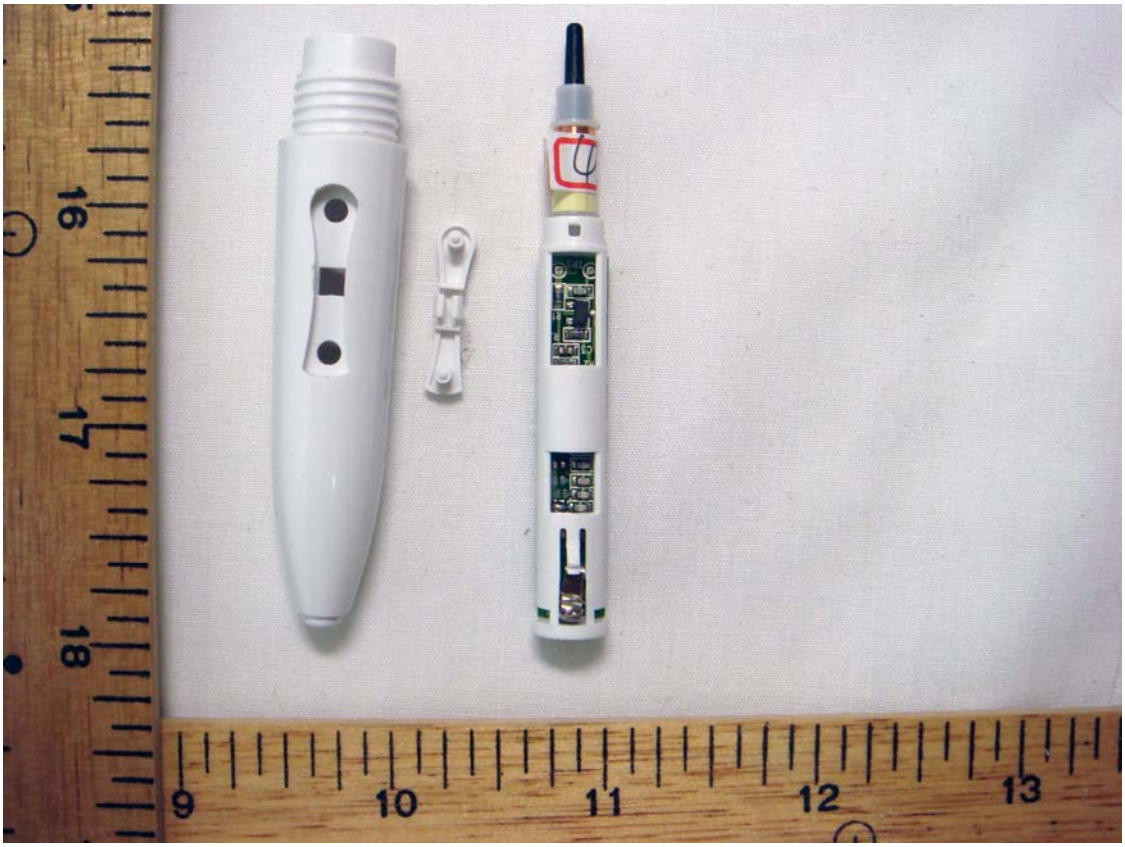

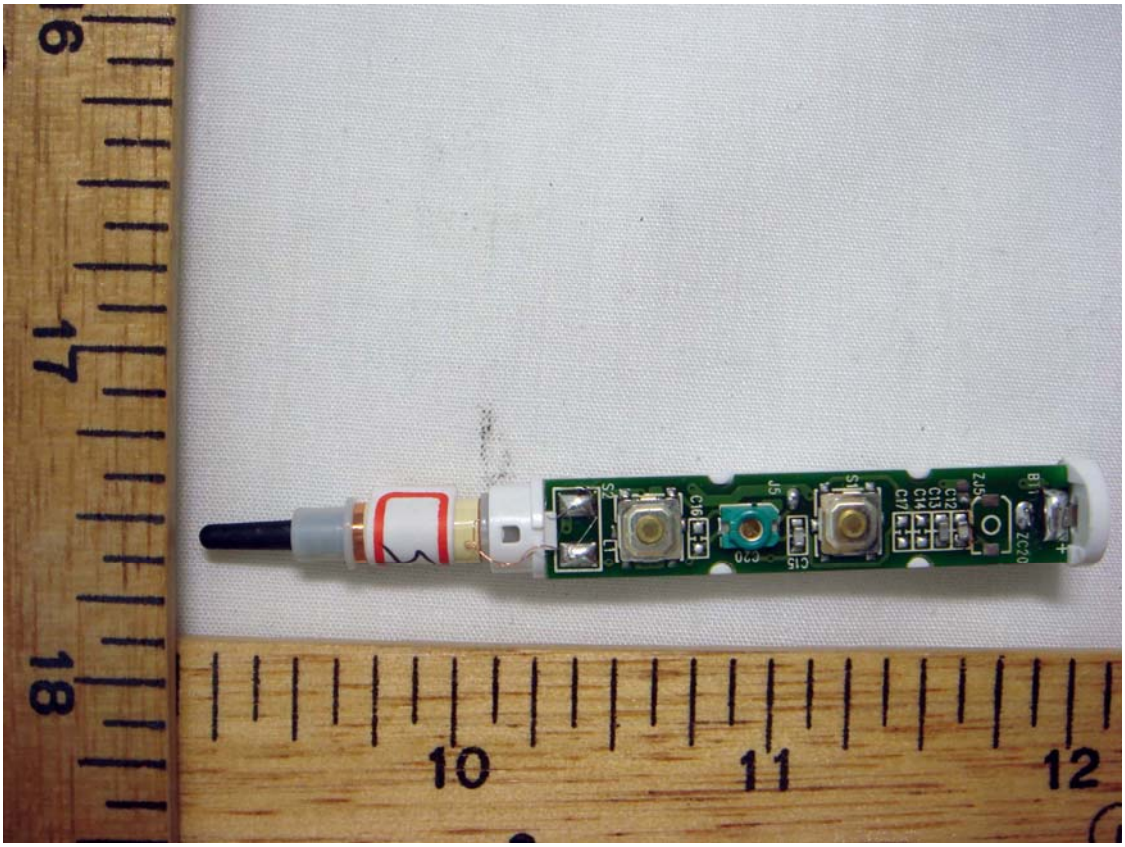

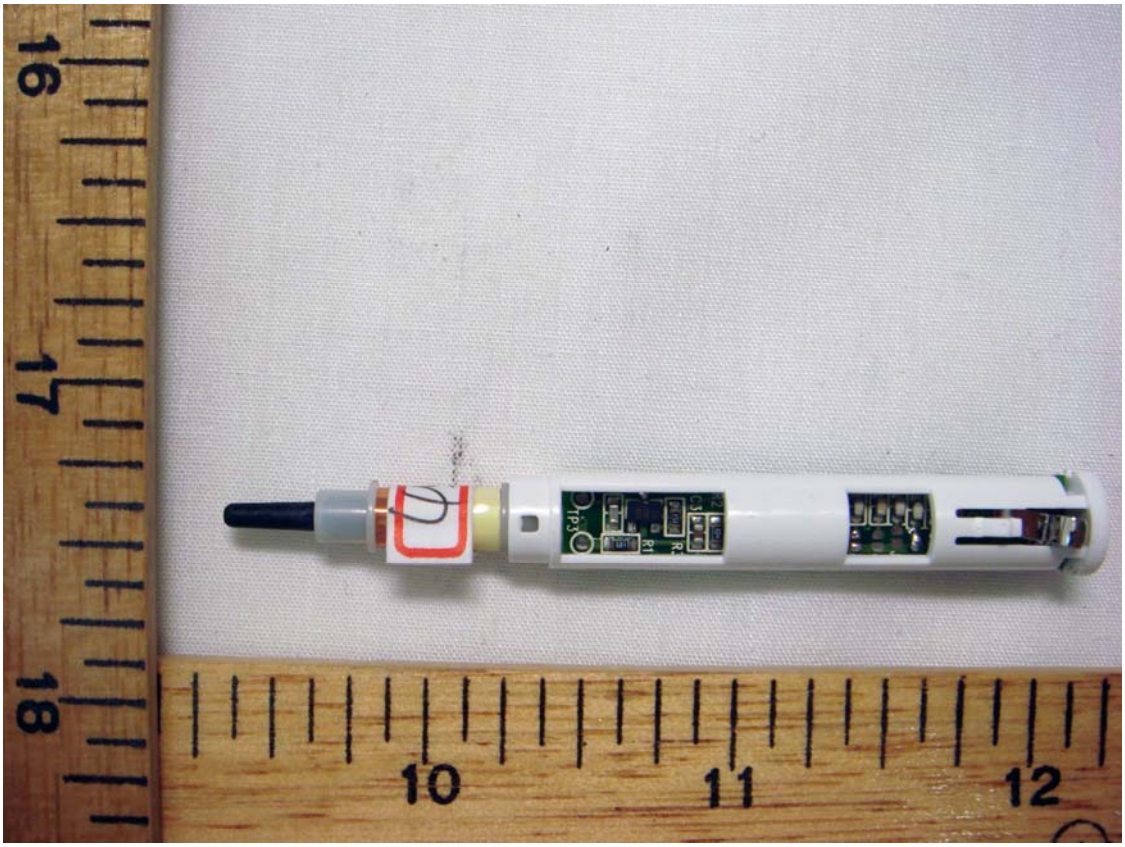

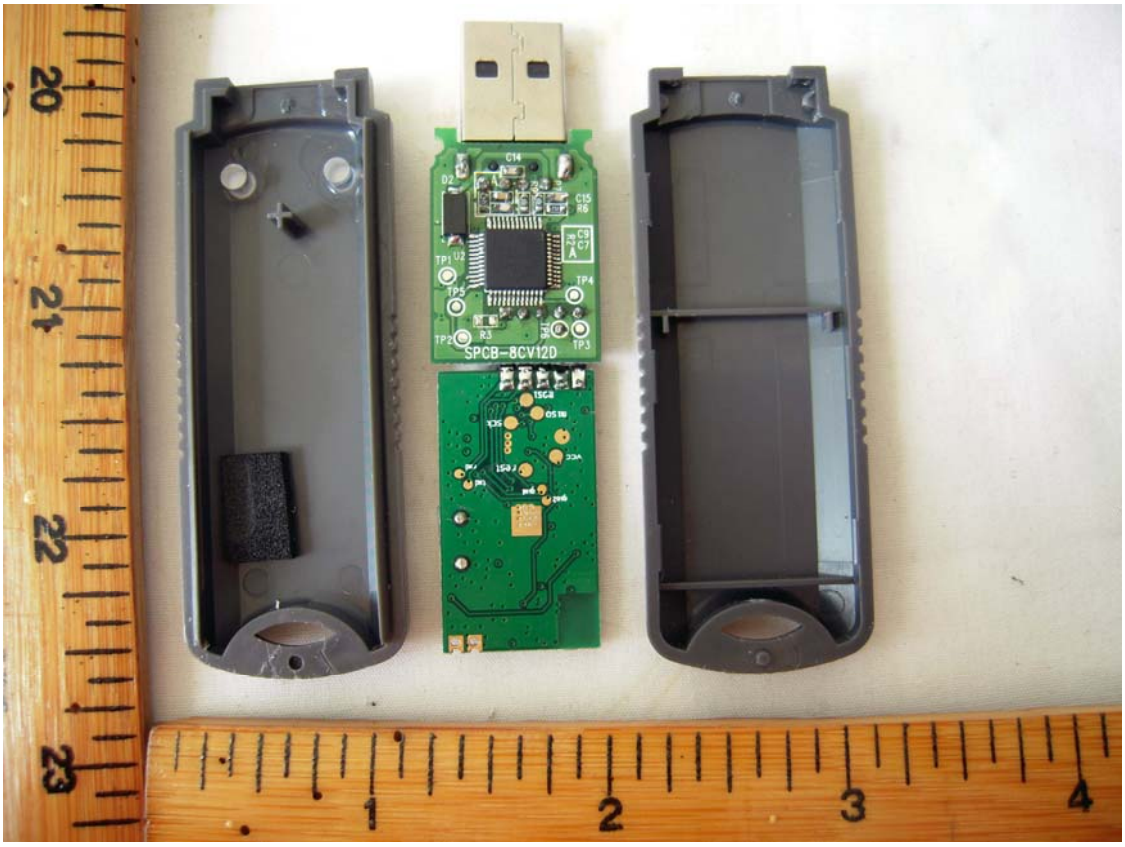
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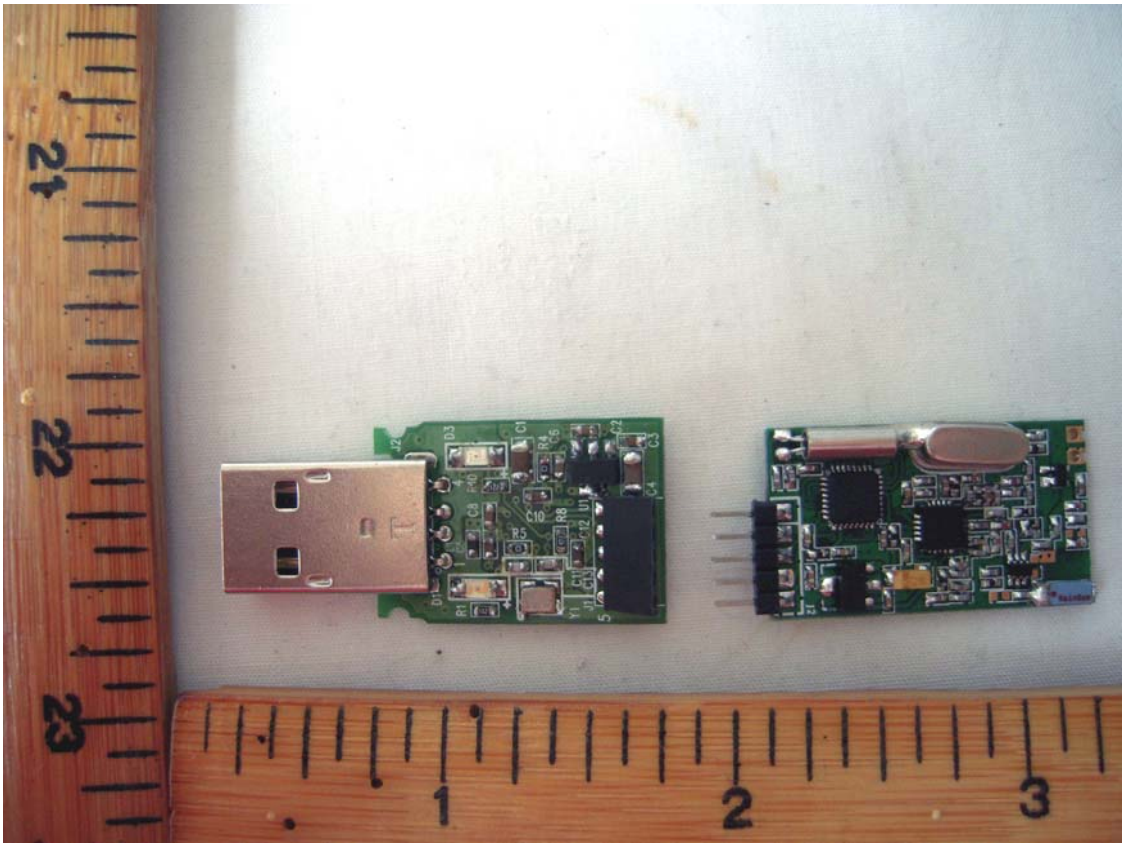

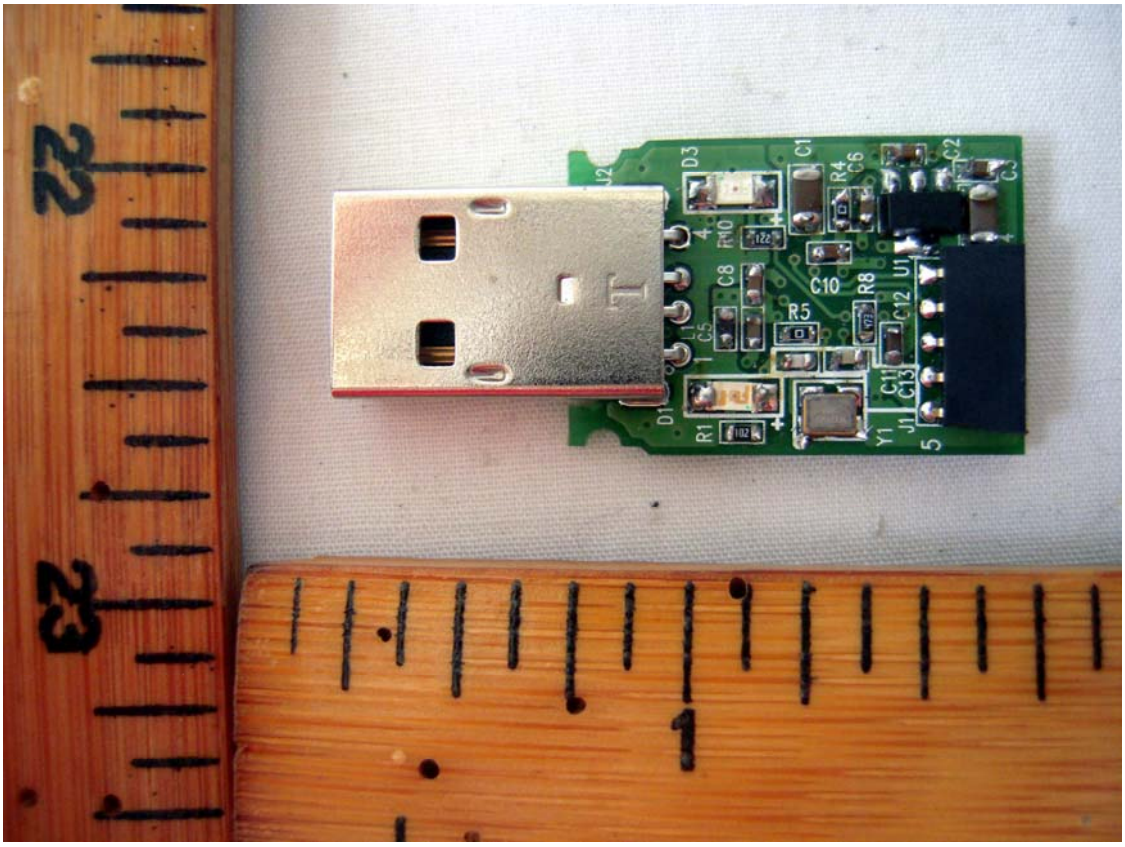
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23
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D3
C1
C2
C3
R4
C6
R10
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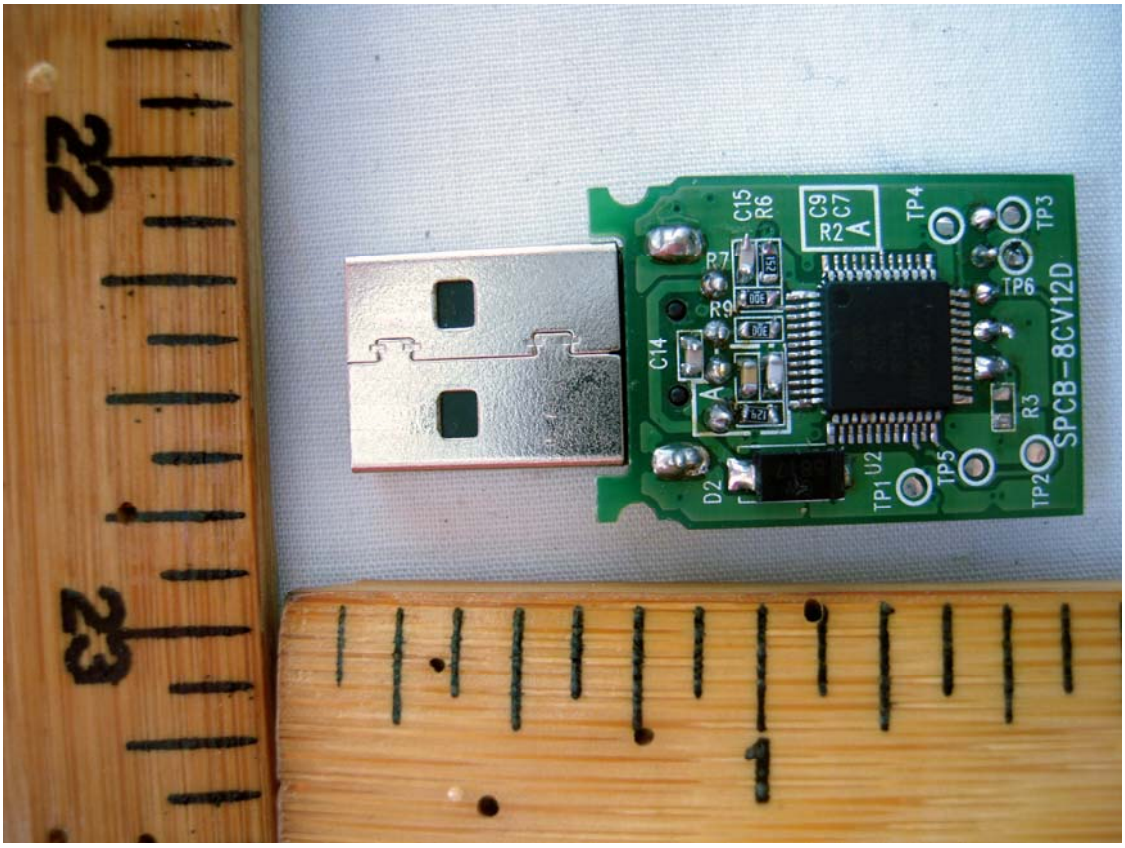
C10
R8
U1
C12
R5
C5
C11
C13
R1
Y1
J1
5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R6
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R2
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R3
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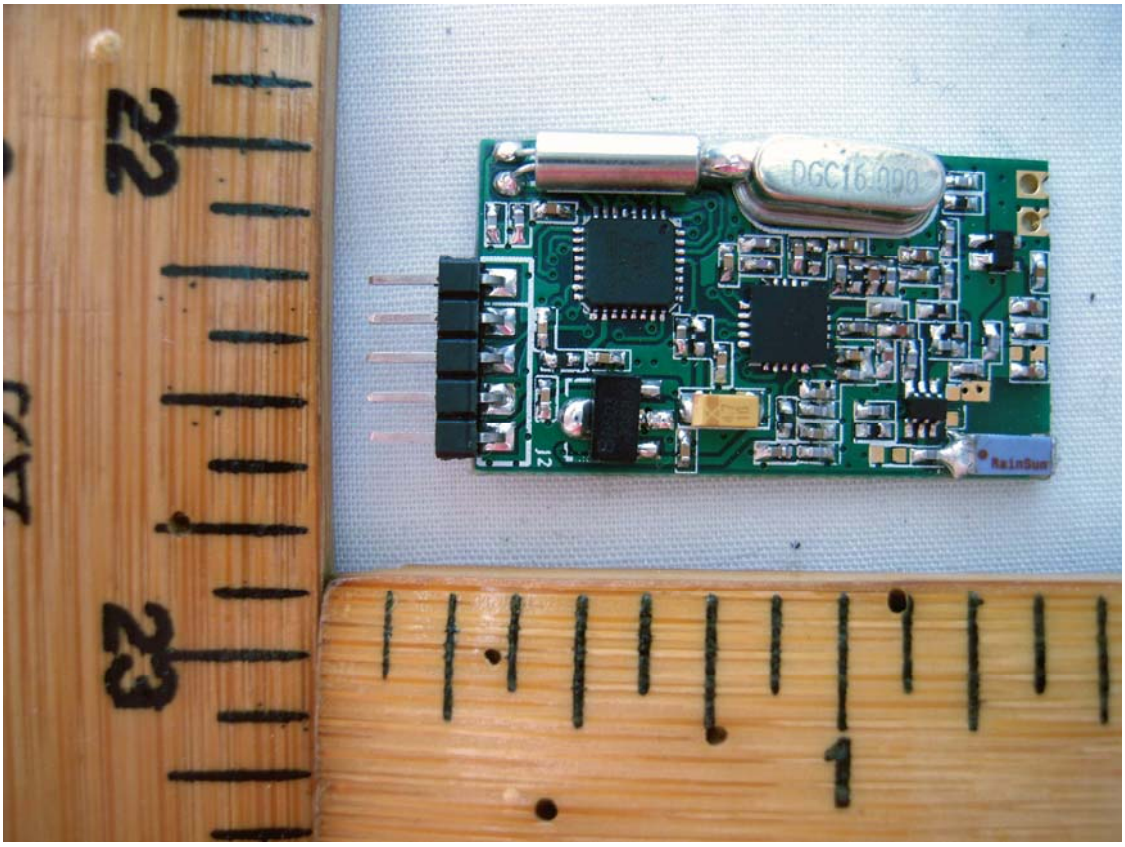
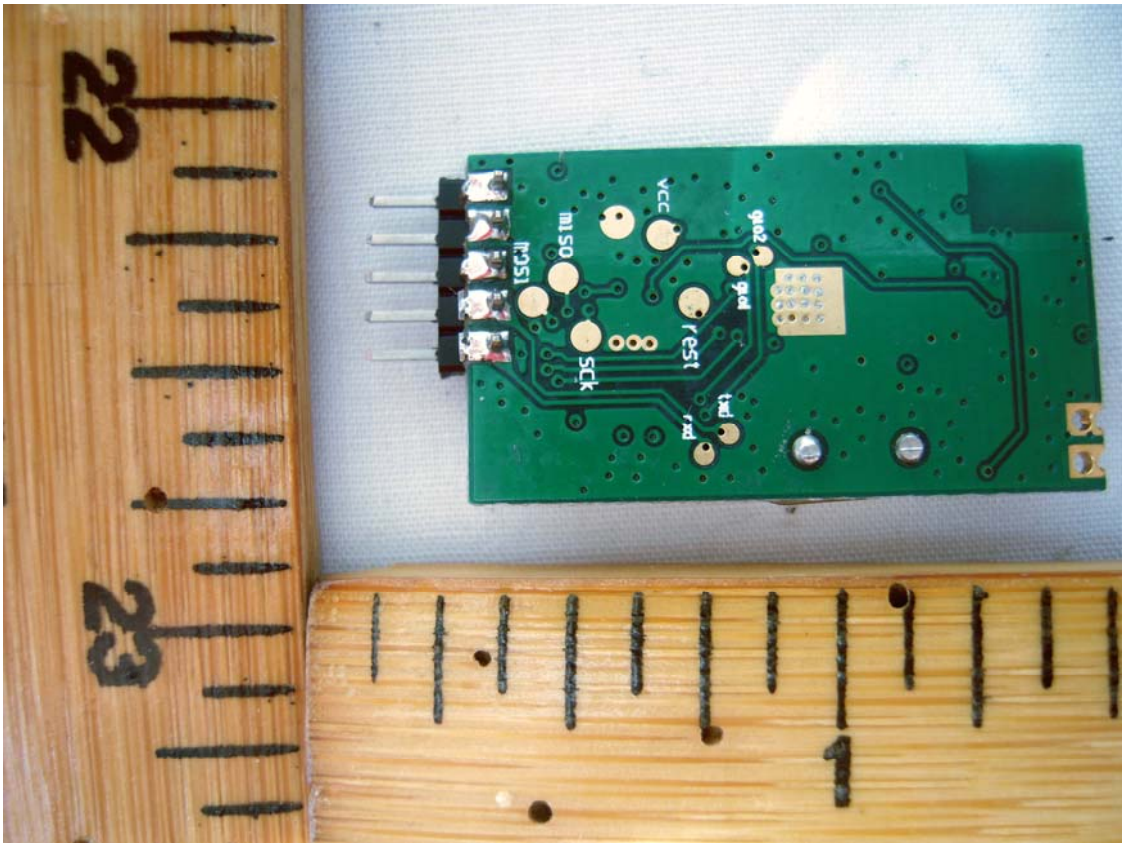
TP5
TP2


DGC16.000
J2
RelnSun


VCC
miso
mosi
sck
rest
gnd
gnd2
txd
rxd


HON-KWANG
I.T.E.POWER SUPPLY
MODEL: HK-Q105-A09
PRI .:100-240V~50/60Hz 0.2A
SEC.:9V ⎓0-0.5A
E202402
LPS
CAUTION:
RISK OF ELECTRIC SHOCK
DRY LOCATION USE ONLY
MADE IN CHINA