TEST REPORT

Applicant:	Primos Inc
Address of Applicant:	604 First Street Flora Mississippi United States 39071

Equipment Under Test (EUT)

Product Name:	STRAY CAT ELECTRONIC PREDATOR DECOY
Model No.:	62721
FCC ID:	K2R-5501RX
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B:2010
Date of sample receipt:	May 04, 2012
Date of Test:	May 05-10, 2012
Date of report issued:	May 11, 2012
Test Result :	PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Lo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*May 11, 2012*	*Original*

Prepared by: Oscar. Li ***Date:*** *May 11, 2012*

Project Engineer

Reviewed by: Hans.Hu ***Date:*** *May 11, 2012*

Reviewer

3 Contents

Page

4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part15.107	N/A
Radiated Emissions	Part15.109	PASS

PASS: The EUT complies with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	Primos Inc
Address of Applicant:	604 First Street Flora Mississippi United States 39071
Manufacturer:	TAT MAN INVESTEMENT LIMITED
Address of Manufacturer:	Room 910, 9/F, Hang Bong Commercial Centre, 28 ShangHai Street, TsimShaTsui, HK
Factory:	YaoBiao Manufactory
Address of Factory:	C Tower, YaoBiao Factory, AoDing Village, GuangDong Community GuanLan Street, BaoAn County, SZ City, GuangDong, China

5.2 General Description of E.U.T.

Product Name:	STRAY CAT ELECTRONIC PREDATOR DECOY
Model No.:	62721
Power supply:	DC 6.0V(4*1.5V for ”AA” Size)

5.3 Test mode and voltage

Test mode:	
Receiving mode	Keep the receiver working in continuous receiving mode
Test voltage:	DC 6.0V

5.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.: 600491**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, July 20, 2010.

● **Industry Canada (IC)**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-1.

5.5 Test Location

All tests were performed at:
Global United Technology Services Co., Ltd. Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China Tel: 0755-27798480 Fax: 0755-27798960

5.6 Description of Support Units

None.

5.7 Deviation from Standards

Biconical, log.per. antenna and horn antenna were used instead of dipole antenna.
Semi-anechoic Chamber was used as alternation of open air test sites, and all test suites were performed with radiated method in it.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

6 Test Instruments list

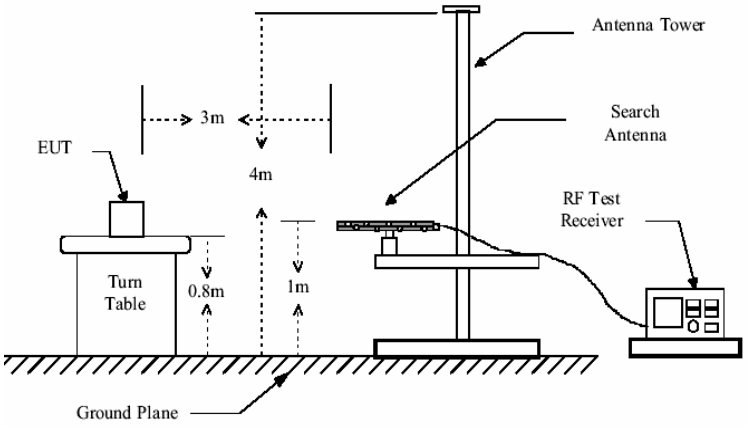
Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Mar. 30 2011	Mar. 29 2013
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Jul. 04 2011	Jul. 03 2012
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	Feb. 26 2012	Feb. 25 2013
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	Mar. 10 2012	Mar. 09 2013
6	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	Jul. 04 2011	Jul. 03 2012
7	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	Jul. 04 2011	Jul. 03 2012
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial cable	GTS	N/A	GTS210	Jul. 04 2011	Jul. 03 2012
10	Coaxial Cable	GTS	N/A	GTS211	Jul. 04 2011	Jul. 03 2012
11	Thermo meter	KTJ	TA328	GTS256	Jul. 07 2011	Jul. 06 2012

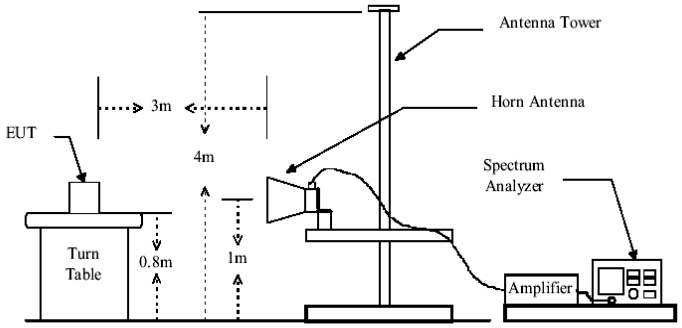
General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	Barometer	ChangChun	DYM3	GTS257	July 11 2011	July 10 2012

7 Test results and Measurement Data

7.1 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 B Section 15.109</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4:2003</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 2000MHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300kHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></tr>
<tr><td>30MHz-88MHz</td><td>40.00</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.50</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.00</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.00</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.00</td><td>Average Value</td></tr>
<tr><td>74.00</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Test Procedure:</td><td>
1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
</td></tr>
<tr><td>Test setup:</td><td>Below 1GHz</td></tr>
</table>

<table>
<tr><td></td><td>


Above 1GHz


</td></tr>
<tr><td>Test environment:</td><td>Temp.: 25 °C Humid.: 52% Press.: 1 012mbar</td></tr>
<tr><td>Measurement Record:</td><td>Uncertainty: ± 4.5dB</td></tr>
<tr><td>Test Instruments:</td><td>Refer to section 6 for details</td></tr>
<tr><td>Test mode:</td><td>Refer to section 5.3 for details</td></tr>
<tr><td>Test results:</td><td>Passed</td></tr>
</table>

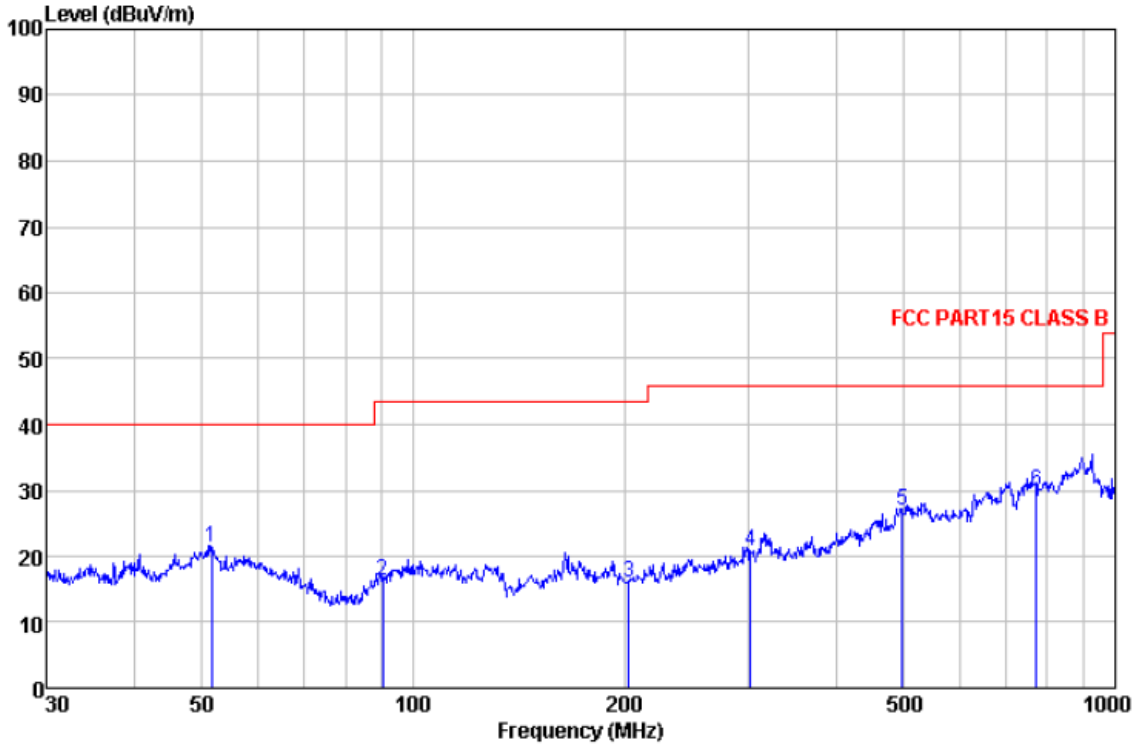
Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

Measurement Data

Below 1GHz

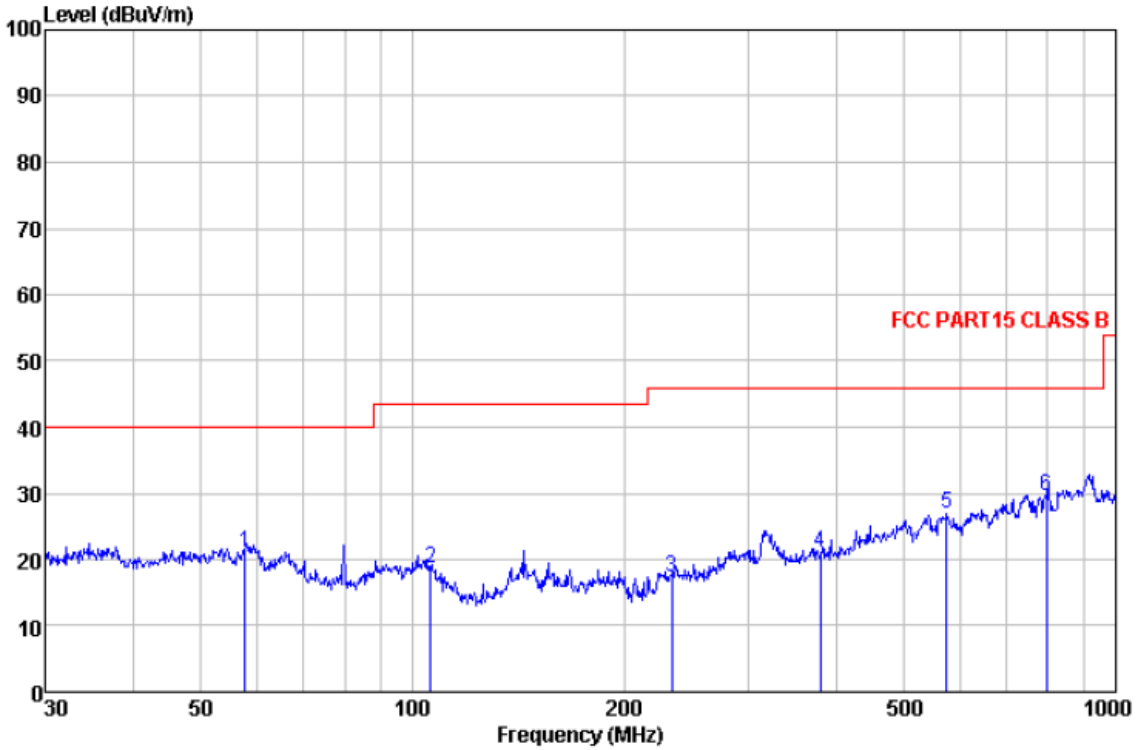
Horizontal:



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163-2012 HORIZONTAL
Job No. : 395RF
Test Mode : Receiving mode
Test Engineer: Sam

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	51.7	38.30	14.79	0.18	32.01	21.26	40.00	-18.74	QP
2	90.5	36.88	10.94	0.22	31.75	16.29	43.50	-27.21	QP
3	202.8	37.88	9.90	0.46	32.27	15.97	43.50	-27.53	QP
4	302.5	39.47	13.08	0.64	32.30	20.89	46.00	-25.11	QP
5	497.7	38.35	19.19	1.00	31.62	26.92	46.00	-19.08	QP
6	771.4	37.02	23.00	1.47	31.55	29.94	46.00	-16.06	QP

Vertical:

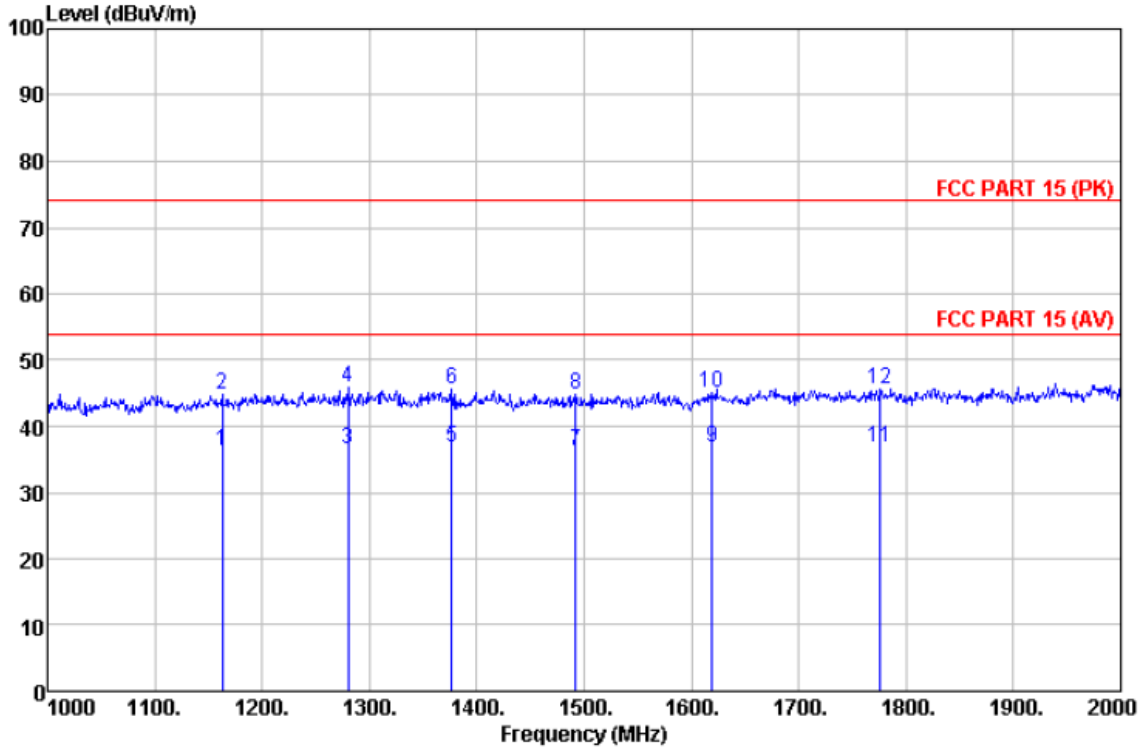


Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163-2012 VERTICAL
Job No. : 395RF
Test Mode : Receiving mode
Test Engineer: Sam

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	57.8	37.49	15.47	0.18	31.97	21.17	40.00	-18.83	QP
2	106.0	37.55	12.51	0.26	31.72	18.60	43.50	-24.90	QP
3	233.3	38.40	10.74	0.51	32.28	17.37	46.00	-28.63	QP
4	379.9	38.51	14.01	0.77	32.32	20.97	46.00	-25.03	QP
5	574.6	38.16	18.95	1.14	31.37	26.88	46.00	-19.12	QP
6	796.2	37.69	21.87	1.52	31.50	29.58	46.00	-16.42	QP

Above 1GHz

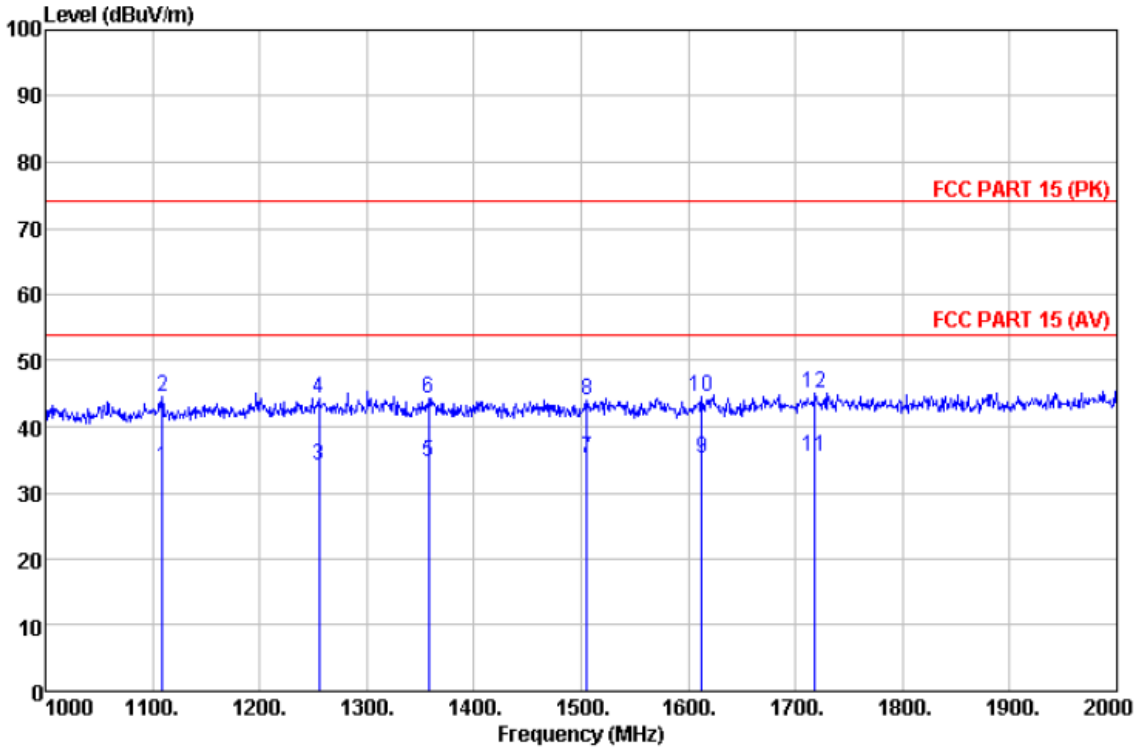
Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) HORIZONTAL
Job No. : 395RF
Test Mode : Receiving mode
Test Engineer: Sam

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1163.0	40.83	25.11	2.00	31.57	36.37	54.00	-17.63	Average
2	1163.0	49.14	25.11	2.00	31.57	44.68	74.00	-29.32	Peak
3	1280.0	40.65	25.59	2.08	31.72	36.60	54.00	-17.40	Average
4	1280.0	49.88	25.59	2.08	31.72	45.83	74.00	-28.17	Peak
5	1377.0	40.82	25.64	2.15	31.89	36.72	54.00	-17.28	Average
6	1377.0	49.70	25.64	2.15	31.89	45.60	74.00	-28.40	Peak
7	1492.0	40.80	25.24	2.22	32.08	36.18	54.00	-17.82	Average
8	1492.0	49.32	25.24	2.22	32.08	44.70	74.00	-29.30	Peak
9	1619.0	41.15	24.93	2.30	31.65	36.73	54.00	-17.27	Average
10	1619.0	49.48	24.93	2.30	31.65	45.06	74.00	-28.94	Peak
11	1776.0	40.13	25.19	2.42	31.06	36.68	54.00	-17.32	Average
12	1776.0	48.99	25.19	2.42	31.06	45.54	74.00	-28.46	Peak

Vertical:

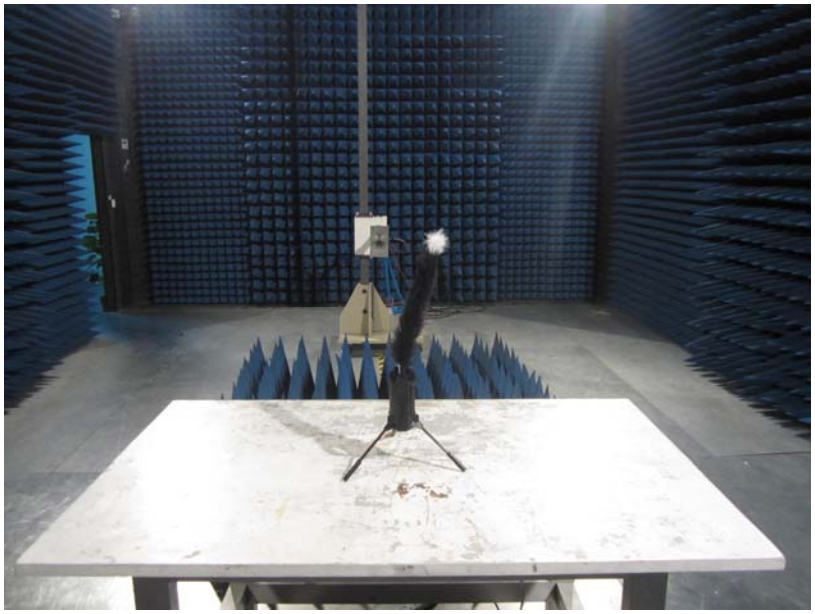


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) VERTICAL
Job No. : 395RF
Test Mode : Receiving mode
Test Engineer: Sam

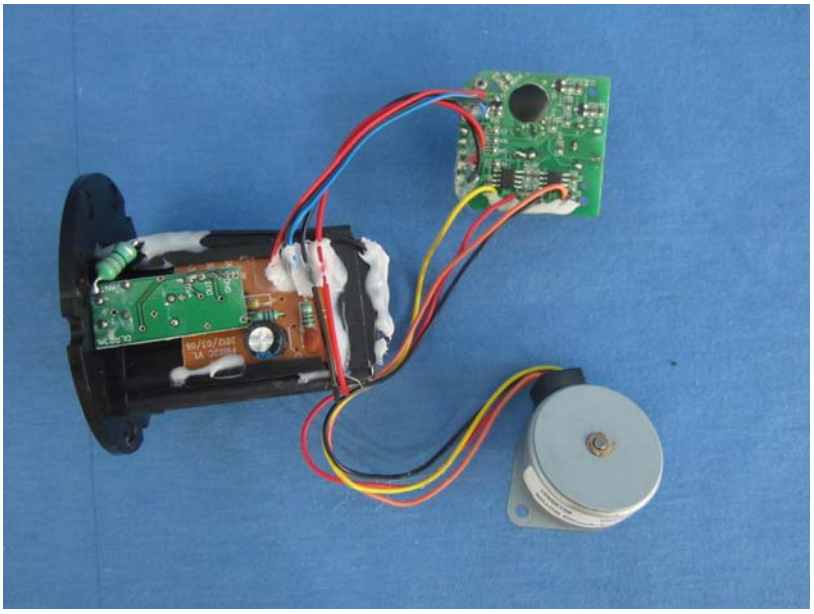
	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1109.0	38.74	24.79	1.97	31.55	33.95	54.00	-20.05	Average
2	1109.0	49.19	24.79	1.97	31.55	44.40	74.00	-29.60	Peak
3	1255.0	38.12	25.54	2.07	31.67	34.06	54.00	-19.94	Average
4	1255.0	48.42	25.54	2.07	31.67	44.36	74.00	-29.64	Peak
5	1358.0	38.76	25.69	2.13	31.86	34.72	54.00	-19.28	Average
6	1358.0	48.25	25.69	2.13	31.86	44.21	74.00	-29.79	Peak
7	1505.0	39.95	25.21	2.23	32.08	35.31	54.00	-18.69	Average
8	1505.0	48.64	25.21	2.23	32.08	44.00	74.00	-30.00	Peak
9	1613.0	39.61	24.95	2.30	31.67	35.19	54.00	-18.81	Average
10	1613.0	48.84	24.95	2.30	31.67	44.42	74.00	-29.58	Peak
11	1718.0	39.32	25.00	2.37	31.28	35.41	54.00	-18.59	Average
12	1718.0	48.93	25.00	2.37	31.28	45.02	74.00	-28.98	Peak

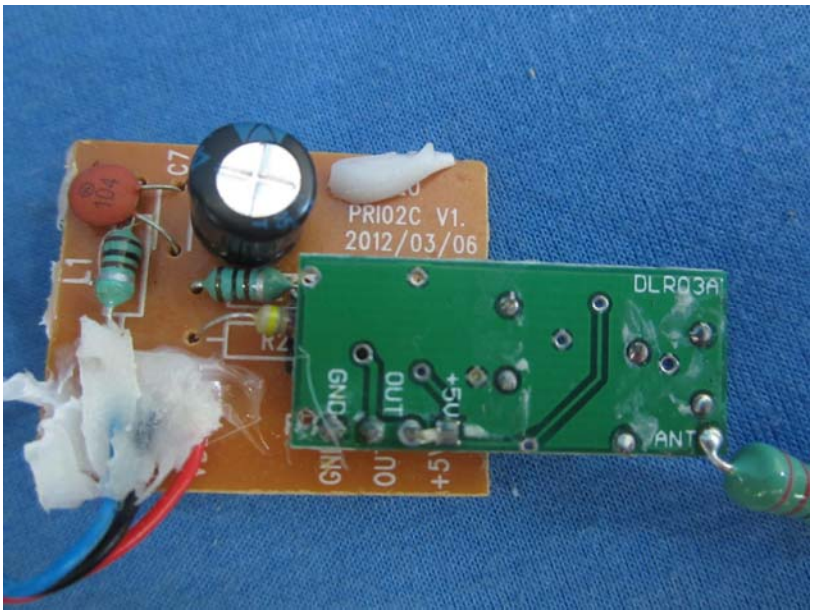
8 Test Setup Photo

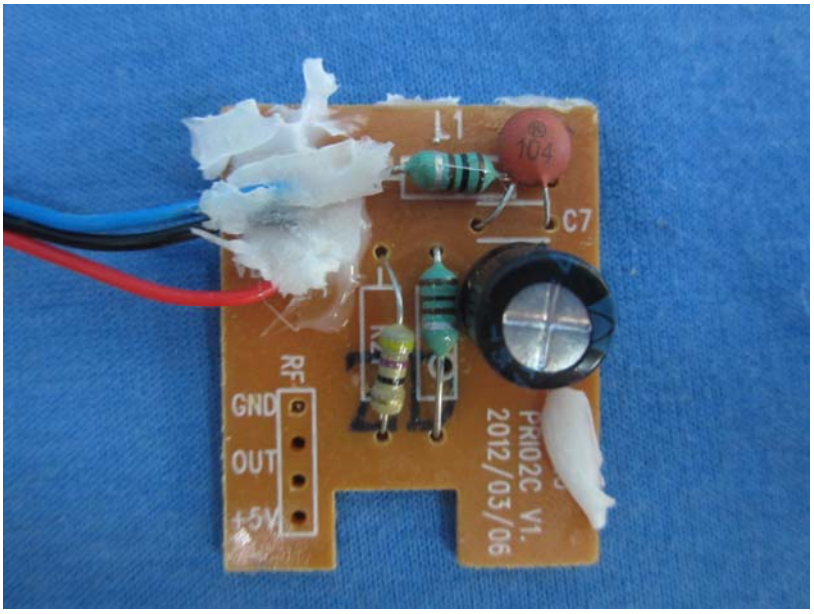
Radiated Emission

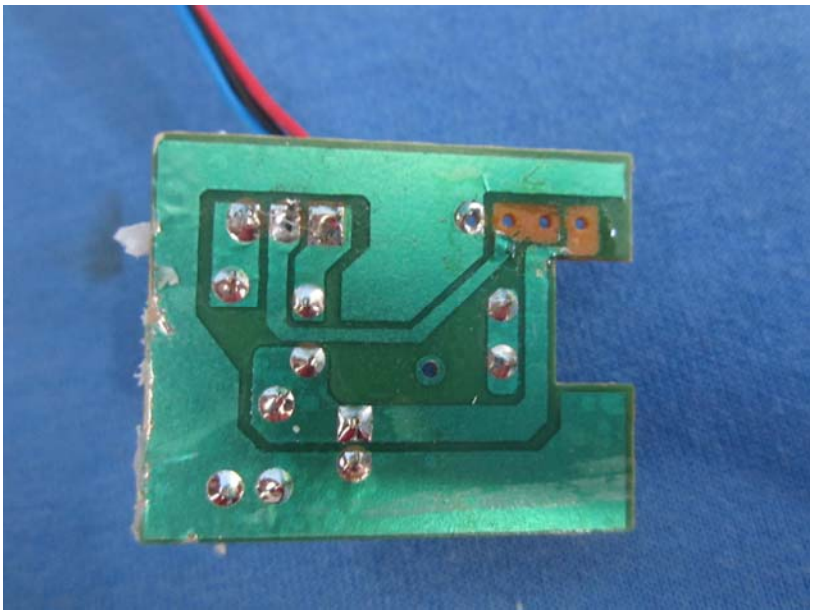


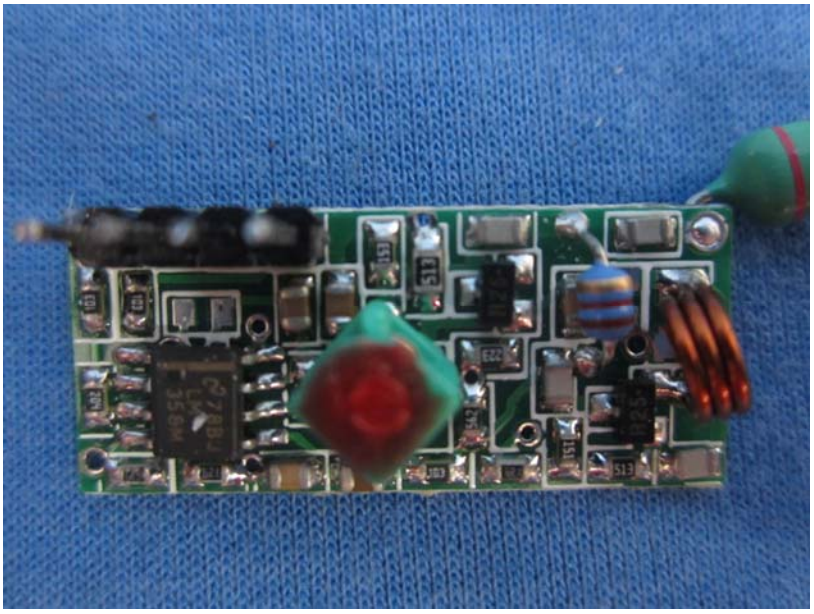
9 EUT Constructional Details

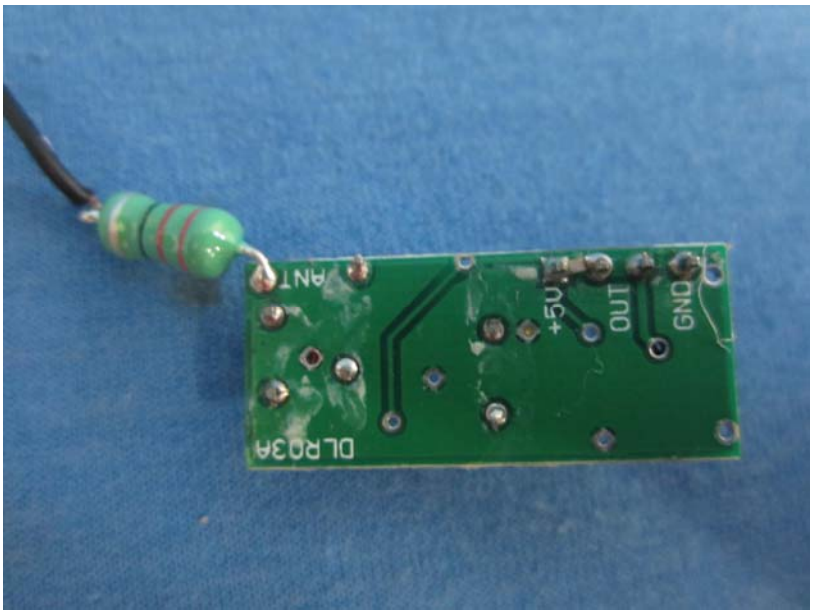


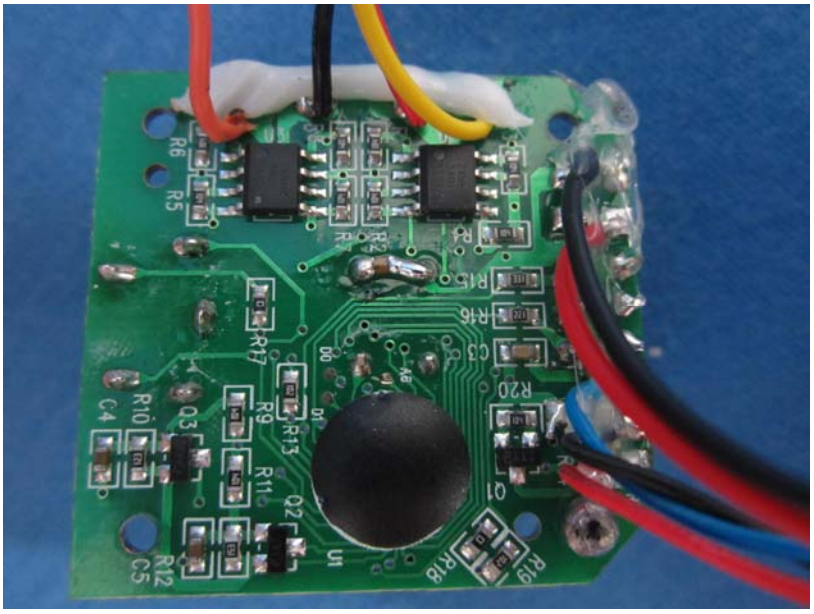

C7
L1
PRI02C V1.
2012/03/06
DLR03A
GND
OUT
+5V
ANT

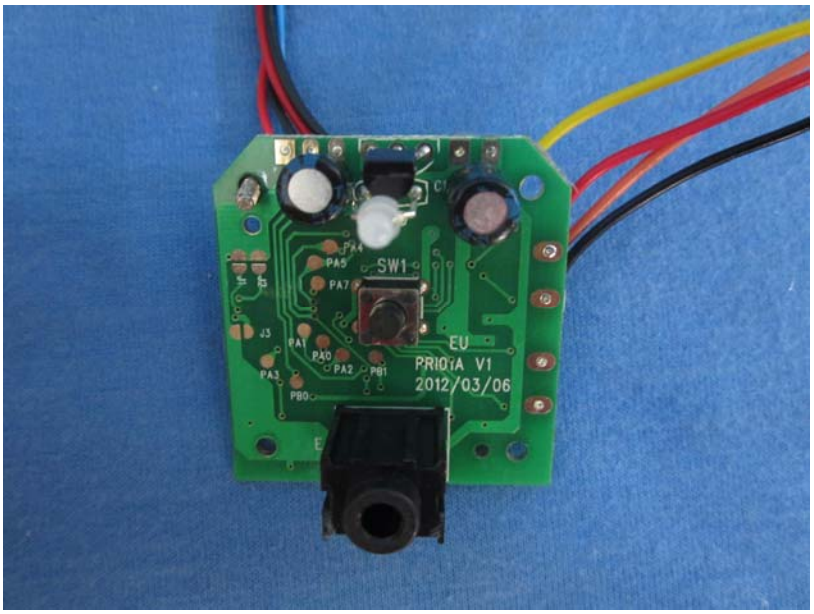

L1
104
C7
RF
GND
OUT
+5V
PRI02C V1.
2012/03/06






ANT
+5V
OUT
GND
DLR03A


R6
R5
R17
R10
C4
Q3
R9
R13
R11
Q2
R12
C5
U1
R18
R19
R15
R16
C3
R20
Q1



------ End------