SGS-CSTC Standards Technical Services Ltd.

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

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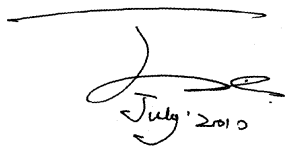
FCC REPORT

Application No. :	SZEMO100603366RF
Applicant:	SHENZHEN CHEGNYAN SCIENCE AND TECHNOLOGY CO., LTD
Product Name:	Wireless Headphone
Operation Frequency:	913.5MHz, 914MHz, 914.5MHz
FCC ID:	YILMH2001H
Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.249: 2008
Date of Receipt	2010-06-07
Date of Test	2010-06-08 to 2010-07-28
Date of Issue	2010-07-28
Test Result :	**PASS ***

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

Authorized Signature:



Jack Zhang
Laboratory Manager

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3 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Passed
AC Power Line Conducted Emission	15.207	Passed
Field strength of the fundamental signal	15.249 (a)	Passed
Spurious emissions	15.249 (a)/15.209	Passed
20dB Occupied Bandwidth	15.215 (c)	Passed

Remark: Passed: The EUT complies with the essential requirements in the standard.

Failed: The EUT does not comply with the essential requirements in the standard.

Remark:

Item No.: MH-2001H, 20199

Only the Item MH-2001H in the picture 5.3 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above items.

4 General Information

4.1 Client Information

Applicant:	SHENZHEN CHENGYAN SCIENCE AND TECHNOLOGY CO., LTD
Address of Applicant:	Room 1808, Shenhua Commercial Building, Jiabin Rd., Luohu District, Shenzhen, P.R.China
Manufacturer/ Factory:	SHENZHEN YANXI SCIENCE AND TECHNOLOGY CO., LTD
Address of Manufacturer/ Factory:	2/F, Building E, Zhonghaixin Industrial Park, Shengbao Road, Longgang District, Shenzhen

4.2 General Description of E.U.T.

Product Name:	Wireless Headphone
Trade Name:	N/A
Item No.:	MH-2001H, 20199
Operation Frequency:	913.5MHz, 914MHz, 914.5MHz
Channel numbers:	3
Channel separation:	0.5MHz
Modulation type:	FM
Antenna Type:	Integral
Antenna gain:	1dBi
Transmitter Adapter	Input: AC 120V 60Hz 0.5A Output: DC 9.0 V 200mA
Receiver Power supply:	DC3.0V(2*1.5V"AA" Size Batteries)

4.3 E.U.T Operation mode

Operating Environment:

Temperature:	24.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1008 mbar

Test mode:

On mode:	Transmitter playing test signal with ipod，headphone set receiving

4.4 Test Facility

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

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

VCCI

The 3m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2197 and C-2383 respectively.

Date of Registration: September 29, 2008. Valid until September 28, 2011.

FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 556682, June 27, 2008.

Industry Canada (IC)

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1.

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch E&E Lab

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594

No tests were sub-contracted.

4.6 Other Information Requested by the Customer

None.

4.7 Test Instruments list:

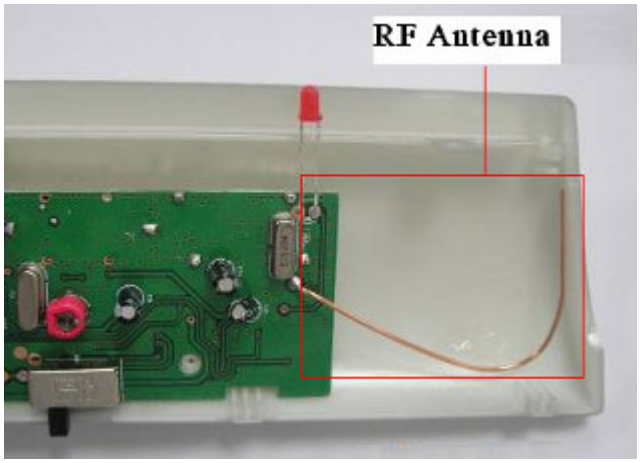
RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2010-06-17	2011-06-17
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	2009-11-05	2010-11-05
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	Coaxial cable	SGS	N/A	SEL0028	2008-06-18	2011-06-18
5	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2009-11-05	2010-11-05
6	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2009-11-10	2011-11-10
7	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2010-06-02	2011-06-02

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	Shielding Room	ZhongYu Electron	GB-88	SEL0042	N/A	N/A
2	LISN	ETS-LINDGREN	3816/2	SEL0021	2010-06-02	2011-06-02
3	Two-Line V-Network	Rohde & Schwarz	ENV216	SEL0152	2009-10-22	2010-10-22
4	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	2010-06-02	2011-06-02
5	Coaxial Cable	SGS	N/A	SEL0024	2008-06-18	2011-06-18

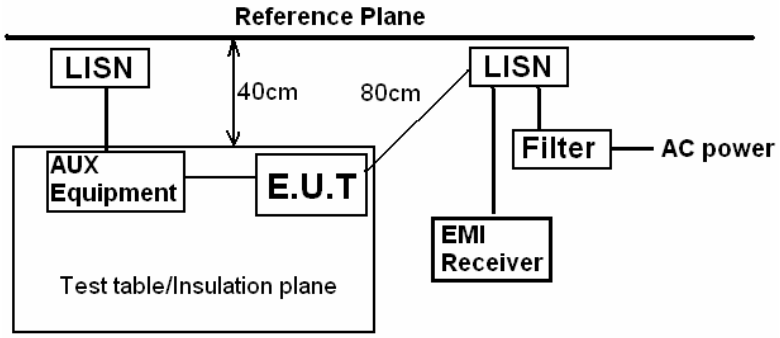
RF conducted						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	Spectrum Analyzer	Rohde & Schwarz	FSP 30	SEL0154	2009-10-22	2010-10-22
2	Coaxial cable	SGS	N/A	SEL0028	2008-06-18	2011-06-18

5 Test results and Measurement Data

5.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: *An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.*	
E.U.T Antenna:	

5.2 Conducted Emissions

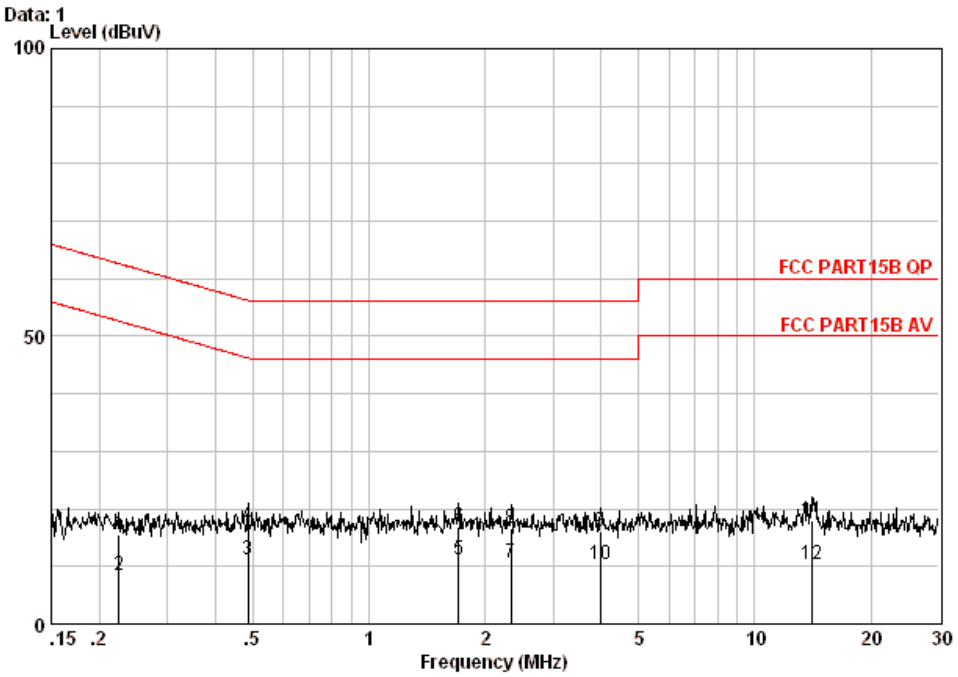
Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.4: 2003
Test Frequency Range:	150KHz to 30MHz
Class / Severity:	Class B
Limit:	Frequency range (MHz) / Limit (dBuV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 * Decreases with the logarithm of the frequency.
Test procedure	The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.
Test setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
Test mode:	On mode
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:



Site : Shielding Room
Condition : FCC PART15B QP CE LINE
EUT : MP3 PLAYER
Job NO. : 3366RF
MODE : ON

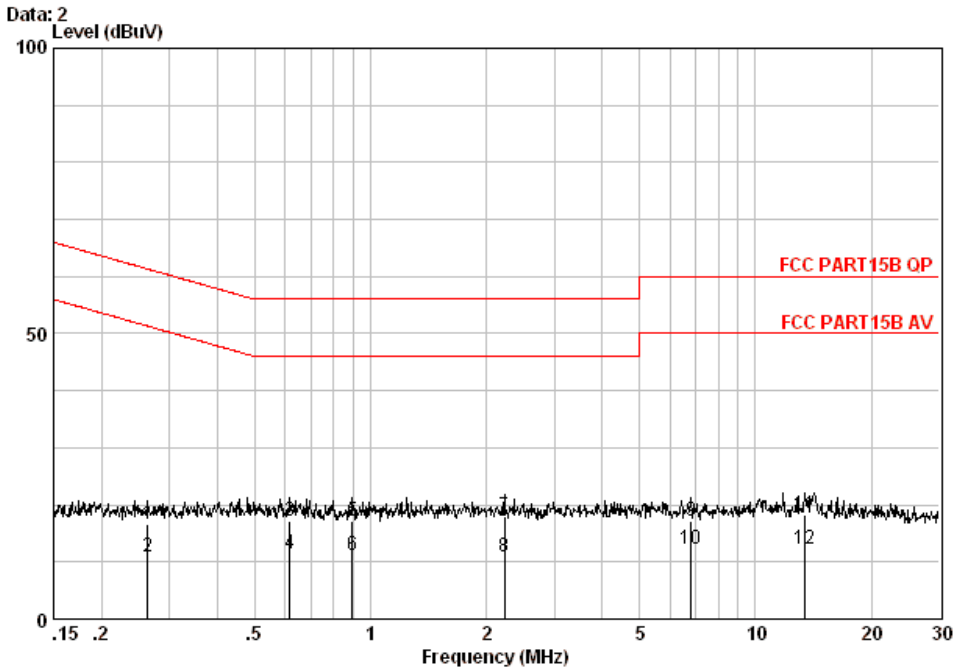
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.22437	0.04	-0.04	15.48	15.47	62.66	-47.18	QP
2	0.22437	0.04	-0.04	8.50	8.50	52.66	-44.16	Average
3	0.48632	0.06	-0.04	11.05	11.07	46.23	-35.16	Average
4	0.48632	0.06	-0.04	17.05	17.07	56.23	-39.16	QP
5	1.707	0.11	-0.06	11.10	11.15	46.00	-34.85	Average
6	1.707	0.11	-0.06	16.97	17.02	56.00	-38.98	QP
7	2.334	0.13	-0.07	10.54	10.60	46.00	-35.40	Average
8	2.334	0.13	-0.07	16.54	16.60	56.00	-39.40	QP
9	3.985	0.16	-0.09	16.03	16.09	56.00	-39.91	QP
10	3.985	0.16	-0.09	10.20	10.27	46.00	-35.73	Average
11	14.063	0.24	-0.47	18.31	18.09	60.00	-41.91	QP
12	14.063	0.24	-0.47	10.50	10.28	50.00	-39.72	Average

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

Neutral Line:



Site : Shielding Room
Condition : FCC PART15B QP CE NEUTRAL
EUT : MP3 PLAYER
Job NO. : 3366RF
MODE : ON

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.26303	0.05	-0.04	16.72	16.72	61.34	-44.61	QP
2	0.26303	0.05	-0.04	10.90	10.91	51.34	-40.43	Average
3	0.61726	0.06	-0.04	17.28	17.29	56.00	-38.71	QP
4 @	0.61726	0.06	-0.04	11.40	11.42	46.00	-34.58	Average
5	0.89441	0.07	-0.04	17.20	17.22	56.00	-38.78	QP
6	0.89441	0.07	-0.04	11.20	11.22	46.00	-34.78	Average
7	2.225	0.12	-0.06	17.80	17.86	56.00	-38.14	QP
8	2.225	0.12	-0.06	10.90	10.96	46.00	-35.04	Average
9	6.805	0.19	-0.17	17.20	17.21	60.00	-42.79	QP
10	6.805	0.19	-0.17	12.20	12.21	50.00	-37.79	Average
11	13.479	0.24	-0.42	18.31	18.13	60.00	-41.87	QP
12	13.479	0.24	-0.42	12.50	12.32	50.00	-37.68	Average

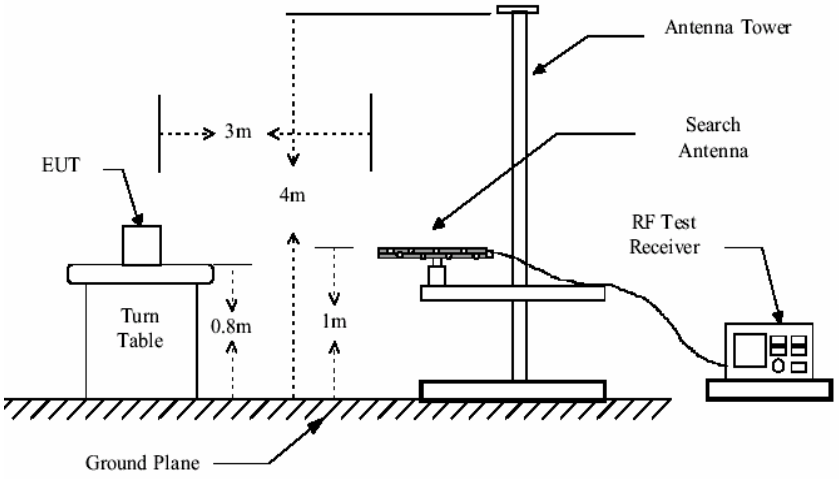
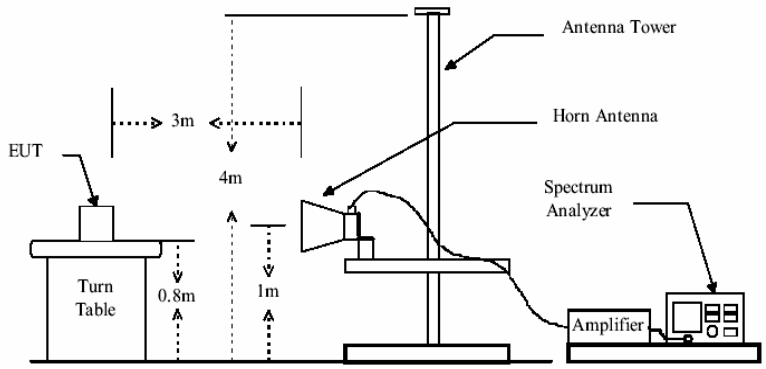
Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

5.3 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.249 and 15.209</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 25000MHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</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>10Hz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(Field strength of the fundamental signal)</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>902MHz to 928MHz</td><td>94.0</td><td>Quasi-peak Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(Spurious Emissions)</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(band edge)</td><td>Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.</td></tr>
<tr><td>Test mode:</td><td>On mode</td></tr>
<tr><td>Test Procedure:</td><td>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. 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.
d. 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. 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 Instruments:</td><td>Refer to section 4.7 for details</td></tr>
</table>

Test results:	Passed
Test setup:	Below 1GHz  Above 1GHz 

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

5.3.1 Field Strength Of The Fundamental Signal

QP value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
913.5	3.62	23.25	26.43	81.27	81.71	94.00	-12.29	Horizontal
913.5	3.62	23.25	26.43	77.99	78.43	94.00	-15.57	Vertical
914.0	3.62	23.26	26.43	76.92	77.37	94.00	-16.63	Horizontal
914.0	3.62	23.26	26.43	79.12	79.57	94.00	-14.43	Vertical
914.5	3.62	23.26	26.43	79.69	80.14	94.00	-13.86	Horizontal
914.5	3.62	23.26	26.43	78.81	79.26	94.00	-14.74	Vertical

5.3.2 Spurious Emissions

30MHz~1GHz

Test mode:	On mode

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
86.425	1.10	8.36	27.97	38.76	20.25	40.00	-19.75	Vertical
260.950	1.73	12.53	26.87	32.09	19.48	46.00	-26.52	Vertical
455.950	2.43	17.09	27.58	40.29	32.23	46.00	-13.77	Vertical
609.025	2.72	20.05	27.59	32.10	27.28	46.00	-18.72	Vertical
721.150	2.97	21.60	27.21	32.16	29.52	46.00	-16.48	Vertical
831.325	3.34	22.40	26.77	33.22	32.19	46.00	-13.81	Vertical
238.525	1.62	11.93	26.96	31.49	18.08	46.00	-27.92	Horizontal
359.425	2.09	15.65	27.15	30.96	21.55	46.00	-24.45	Horizontal
455.950	2.43	17.09	27.58	43.89	35.83	46.00	-10.17	Horizontal
550.525	2.65	18.90	27.66	31.77	25.66	46.00	-20.34	Horizontal
670.450	2.84	21.32	27.37	32.31	29.10	46.00	-16.90	Horizontal
795.250	3.19	22.08	26.96	32.43	30.74	46.00	-15.26	Horizontal

Above 1GHz					
Test mode:	Transmitting	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1351.000	4.49	26.63	39.14	54.99	46.97	74.00	-27.03	Vertical
1810.000	5.63	28.02	38.79	56.89	51.75	74.00	-22.25	Vertical
2719.000	6.23	31.07	39.03	59.15	57.42	74.00	-16.58	Vertical
3187.000	7.08	32.15	39.48	57.37	57.12	74.00	-16.88	Vertical
4567.490	9.44	33.94	41.17	57.00	59.21	74.00	-14.79	Vertical
5480.901	12.29	35.16	41.71	51.64	57.38	74.00	-16.62	Vertical
1351.000	4.49	26.63	39.14	52.58	44.56	74.00	-29.44	Horizontal
1810.000	5.63	28.02	38.79	53.09	47.95	74.00	-26.05	Horizontal
2719.000	6.23	31.07	39.03	54.38	52.65	74.00	-21.35	Horizontal
3187.000	7.08	32.15	39.48	52.56	52.31	74.00	-21.69	Horizontal
4555.000	9.35	33.92	40.91	53.13	55.49	74.00	-18.51	Horizontal
5024.060	9.95	34.52	41.21	56.00	59.26	74.00	-14.74	Horizontal

Test mode:	Transmitting	Test channel:	Lowest	Remark:	average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1351.000	4.49	26.63	39.14	46.32	38.30	54.00	-15.70	Vertical
1810.000	5.63	28.02	38.79	49.22	44.08	54.00	-9.92	Vertical
2719.000	6.23	31.07	39.03	50.24	48.51	54.00	-5.49	Vertical
3187.000	7.08	32.15	39.48	50.12	49.87	54.00	-4.13	Vertical
4567.490	9.44	33.94	41.17	49.00	51.21	54.00	-2.79	Vertical
5480.901	12.29	35.16	41.71	42.00	47.74	54.00	-6.26	Vertical
1351.000	4.49	26.63	39.14	41.26	33.24	54.00	-20.76	Horizontal
1810.000	5.63	28.02	38.79	43.58	38.44	54.00	-15.56	Horizontal
2719.000	6.23	31.07	39.03	43.88	42.15	54.00	-11.85	Horizontal
3187.000	7.08	32.15	39.48	45.48	45.23	54.00	-8.77	Horizontal
4555.000	9.35	33.92	40.91	44.10	46.46	54.00	-7.54	Horizontal
5024.060	9.95	34.52	41.21	41.50	44.76	54.00	-9.24	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1378.000	4.47	26.73	38.87	54.65	46.98	74.00	-27.02	Vertical
1819.000	5.62	28.05	38.92	56.63	51.38	74.00	-22.62	Vertical
2746.000	6.29	31.15	39.02	55.79	54.21	74.00	-19.79	Vertical
3187.000	7.08	32.15	39.48	56.35	56.10	74.00	-17.90	Vertical
4570.020	9.44	33.94	41.17	57.00	59.21	74.00	-14.79	Vertical
5483.893	12.29	35.16	41.71	56.57	62.31	74.00	-11.69	Vertical
1351.000	4.49	26.63	39.14	51.58	43.56	74.00	-30.44	Horizontal
1810.000	5.63	28.02	38.79	52.97	47.83	74.00	-26.17	Horizontal
3187.000	7.08	32.15	39.48	54.62	54.37	74.00	-19.63	Horizontal
3646.000	7.92	32.72	40.07	52.44	53.01	74.00	-20.99	Horizontal
4555.000	9.35	33.92	40.91	54.90	57.26	74.00	-16.74	Horizontal
5014.000	9.95	34.52	41.21	55.46	58.72	74.00	-15.28	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1378.000	4.47	26.73	38.87	48.32	40.65	54.00	-13.35	Vertical
1819.000	5.62	28.05	38.92	49.99	44.74	54.00	-9.26	Vertical
2746.000	6.29	31.15	39.02	48.34	46.76	54.00	-7.24	Vertical
3187.000	7.08	32.15	39.48	47.54	47.29	54.00	-6.71	Vertical
4570.020	9.44	33.94	41.17	48.21	50.42	54.00	-3.58	Vertical
5483.893	12.29	35.16	41.71	40.22	45.96	54.00	-8.04	Vertical
1351.000	4.49	26.63	39.14	42.99	34.97	54.00	-19.03	Horizontal
1810.000	5.63	28.02	38.79	43.15	38.01	54.00	-15.99	Horizontal
3187.000	7.08	32.15	39.48	44.66	44.41	54.00	-9.59	Horizontal
3646.000	7.92	32.72	40.07	44.25	44.82	54.00	-9.18	Horizontal
4555.000	9.35	33.92	40.91	44.15	46.51	54.00	-7.49	Horizontal
5014.000	9.95	34.52	41.21	42.15	45.41	54.00	-8.59	Horizontal

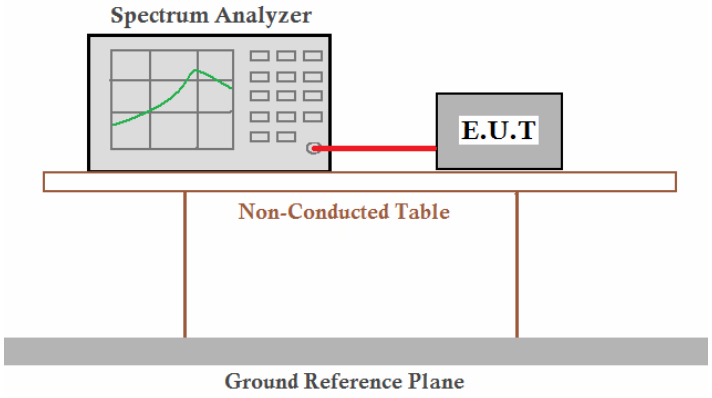
Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1351.000	4.49	26.63	39.14	55.76	47.74	74.00	-26.26	Vertical
1819.000	5.62	28.05	38.92	57.13	51.88	74.00	-22.12	Vertical
2719.000	6.23	31.07	39.03	57.53	55.80	74.00	-18.20	Vertical
3187.000	7.08	32.15	39.48	59.52	59.27	74.00	-14.73	Vertical
4572.637	9.44	33.94	41.17	59.68	61.89	74.00	-12.11	Vertical
5486.979	12.29	35.16	41.71	54.37	60.11	74.00	-13.89	Vertical
1819.000	5.62	28.05	38.92	52.65	47.40	74.00	-26.60	Horizontal
2719.000	6.23	31.07	39.03	52.23	50.50	74.00	-23.50	Horizontal
3187.000	7.08	32.15	39.48	55.46	55.21	74.00	-18.79	Horizontal
4572.515	9.44	33.94	41.17	57.60	59.81	74.00	-14.19	Horizontal
5014.000	9.95	34.52	41.21	56.55	59.81	74.00	-14.19	Horizontal
5554.000	12.54	35.24	41.89	52.50	58.39	74.00	-15.61	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
1351.000	4.49	26.63	39.14	46.57	38.55	54.00	-15.45	Vertical
1819.000	5.62	28.05	38.92	48.21	42.96	54.00	-11.04	Vertical
2719.000	6.23	31.07	39.03	47.58	45.85	54.00	-8.15	Vertical
3187.000	7.08	32.15	39.48	50.24	49.99	54.00	-4.01	Vertical
4572.637	9.44	33.94	41.17	48.95	51.16	54.00	-2.84	Vertical
5486.979	12.29	35.16	41.71	40.98	46.72	54.00	-7.28	Vertical
1819.000	5.62	28.05	38.92	43.37	38.12	54.00	-15.88	Horizontal
2719.000	6.23	31.07	39.03	44.35	42.62	54.00	-11.38	Horizontal
3187.000	7.08	32.15	39.48	43.68	43.43	54.00	-10.57	Horizontal
4572.515	9.44	33.94	41.17	45.32	47.53	54.00	-6.47	Horizontal
5014.000	9.95	34.52	41.21	42.35	45.61	54.00	-8.39	Horizontal
5554.000	12.54	35.24	41.89	38.32	44.21	54.00	-9.79	Horizontal

5.4 20dB Bandwidth

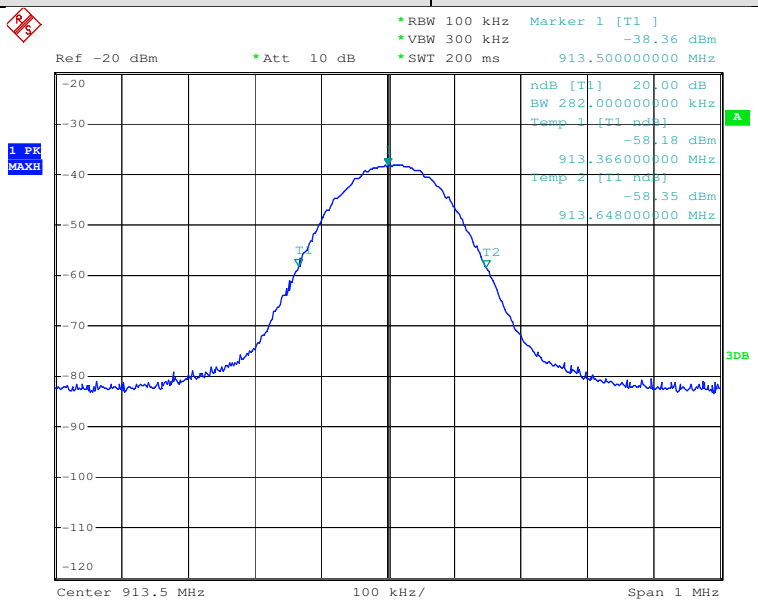
Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.4:2003
Limit:	Operation Frequency range 902MHz to 928MHz
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set the EUT to proper test channel. 3. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. 4. Read 20dB bandwidth.
Test setup:	
Test Instruments:	Refer to section 4.7 for details
Test mode:	On mode
Test results:	Passed

Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	0.282	PASS
Middle	0.288	PASS
Highest	0.282	PASS

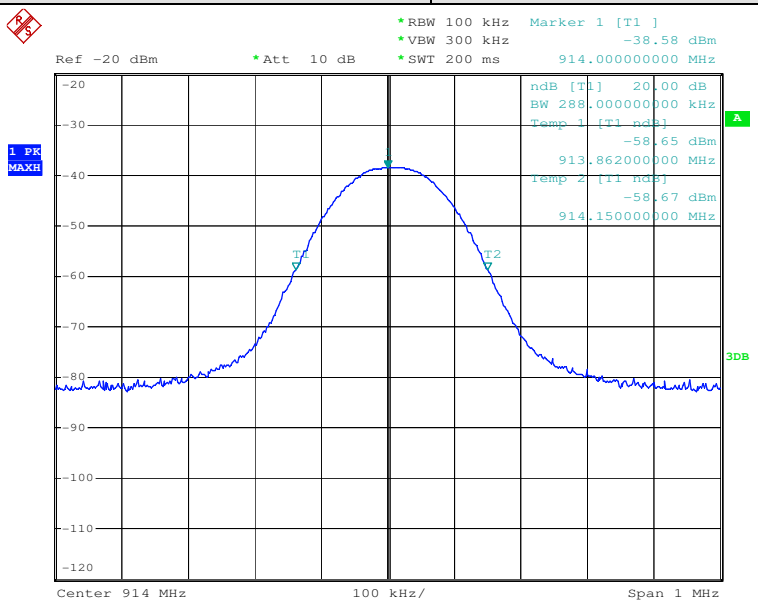
Test plot as follows:

Test channel:	Lowest



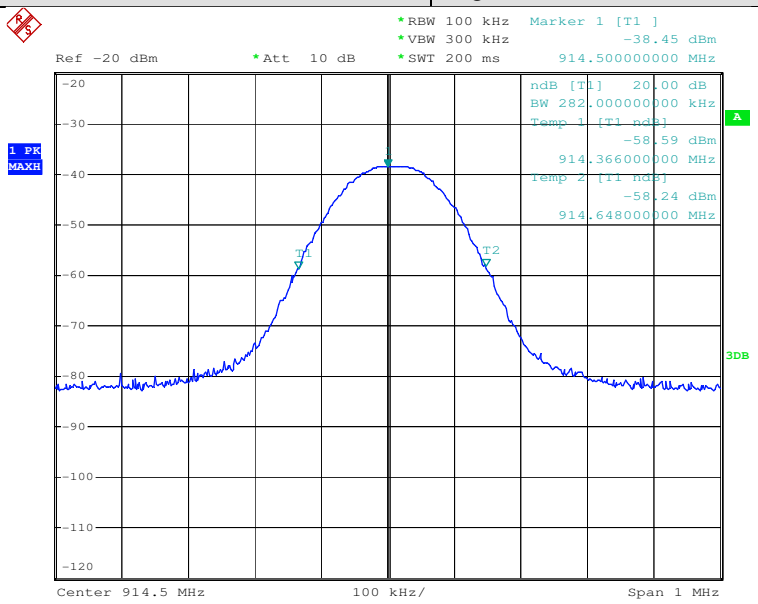
Date: 27.JUL.2010 14:10:08

Test channel:	Middle



Date: 27.JUL.2010 14:09:08

Test channel:	Highest



Date: 27.JUL.2010 14:07:51