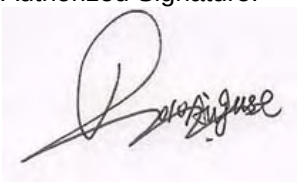
Report No: GTSE10080014802

FCC REPORT

Applicant:	Computime Limited
Address of Applicant:	17/F, Great Eagle Centre, 23 Harbour Road, Wanchai, Hong Kong
Equipment Under Test (EUT)	
Name:	Motion Sensor
Model No.:	AAHMS01
FCC ID:	DI2AAHMS01
Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2008
Date of Receipt:	12 Aug., 2010
Date of Test:	13-17 Aug., 2010
Date of Issue:	18 Aug., 2010
Test Result :	**PASS ***

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

Authorized Signature:



Robinson Lo
Laboratory Manager

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3 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Passed
AC Power Line Conducted Emission	15.207	Passed
Conducted Peak Output Power	15.247 (b)(3)	Passed
6dB Occupied Bandwidth	15.247 (a)(2)	Passed
Power Spectral Density	15.247 (e)	Passed
Band Edge	15.247(d)	Passed
RF antenna conducted spurious emissions	15.247(d)	Passed
Radiated Emission	15.205/15.209	Passed
RF Exposure Compliance Requirement	15.247(b)(4)& TCB Exclusion List (7 July 2002)	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.*
- *Tx: In this whole report Tx (or tx) means Transmitter.*
- *Rx: In this whole report Rx (or rx) means Receiver.*

4 General Information

4.1 Client Information

Applicant:	Computime Limited
Address of Applicant:	17/F, Great Eagle Centre, 23 Harbour Road, Wanchai, Hong Kong
Manufacturer/ Factory:	Computime Limited
Address of Manufacturer/ Factory:	Computime Technology Park, Dan Zhu Tou Cun, BuJi, Longgang Region, ShenZhen, China

4.2 General Description of E.U.T.

Product Name:	Motion Sensor
Model No.:	AAHMS01
Operation Frequency:	2405MHz~2480MHz
Channel numbers:	16
Channel separation:	5MHz
Modulation type:	Direct Sequence Spread Spectrum (DSSS)
Antenna Type:	Integral
Antenna gain:	2dBi
Power supply:	AC Input: AC 24V

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2405MHz	5	2425MHz	9	2445MHz	13	2465MHz
2	2410MHz	6	2430MHz	10	2450MHz	14	2470MHz
3	2415MHz	7	2435MHz	11	2455MHz	15	2475MHz
4	2420MHz	8	2440MHz	12	2460MHz	16	2480MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2405MHz
The middle channel	2440MHz
The Highest channel	2480MHz

4.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1008 mbar
Test mode:	
Normal operation mode:	
Transmitting mode:	Keep the EUT in transmitting mode with modulation

4.4 Test Facility

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

● **FCC —Registration No.: 600491**

Global United Technology Service 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 out files. Registration 600491, July 20, 2010.

● **Industry Canada (IC)**

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

4.5 Test Location

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

4.6 Other Information Requested by the Customer

None.

4.7 Test Instruments list

Radiated Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	3m Semi-Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS201	Mar. 30 2010	Mar. 30 2011
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS202	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Sep. 10 2009	Sep. 10 2010
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS204	Feb 26 2009	Sep. 10 2010
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS205	June 30 2010	June 30 2011
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Coaxial Cable	GTS	N/A	GTS400	Apr. 01 2010	Apr. 01 2011
8	Coaxial Cable	GTS	N/A	GTS401	Apr. 01 2010	Apr. 01 2011
9	Coaxial cable	GTS	N/A	GTS402	Apr. 01 2010	Apr. 01 2011
10	Coaxial Cable	GTS	N/A	GTS407	Apr. 01 2010	Apr. 01 2011
11	Coaxial Cable	GTS	N/A	GTS408	Apr. 01 2010	Apr. 01 2011
12	Amplifier(10KHz-5GHz)	Sonnoma Instrument	305-1052	GTS210	Apr. 01 2010	Apr. 01 2011
13	Amplifier(2GHz-20GHz)	HP	8349B	GTS231	Apr. 01 2010	Apr. 01 2011

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	TU206	Apr. 10 2010	Apr. 10 2011
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	TU208	Sep. 14 2009	Sep. 14 2010
3	10dB Pulse Limita	Rohde & Schwarz	N/A	TU209	Sep. 14 2009	Sep. 14 2010
4	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	TU207	Apr. 14 2010	Apr. 14 2011
5	Coaxial Cable	TU	N/A	TU406	Apr. 1 2010	Apr. 01 2011
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

5 Test results and Measurement Data

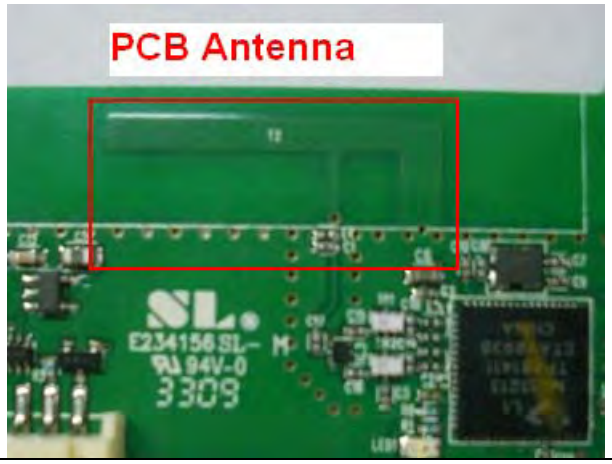
5.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203 /247(c)

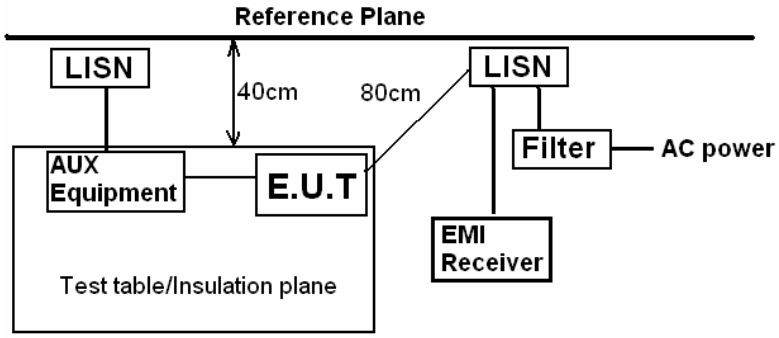
15.203 requirement:
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer 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.
15.247(c) (1)(i) requirement:
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:	

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi.



5.2 Conducted Emissions

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.207</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td>150KHz to 30MHz</td></tr>
<tr><td>Class / Severity:</td><td>Class B</td></tr>
<tr><td>Receiver setup:</td><td>RBW=9KHz, VBW=30KHz</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>
* Decreases with the logarithm of the frequency.
</td></tr>
<tr><td>Test procedure</td><td>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.</td></tr>
<tr><td>Test setup:</td><td> 

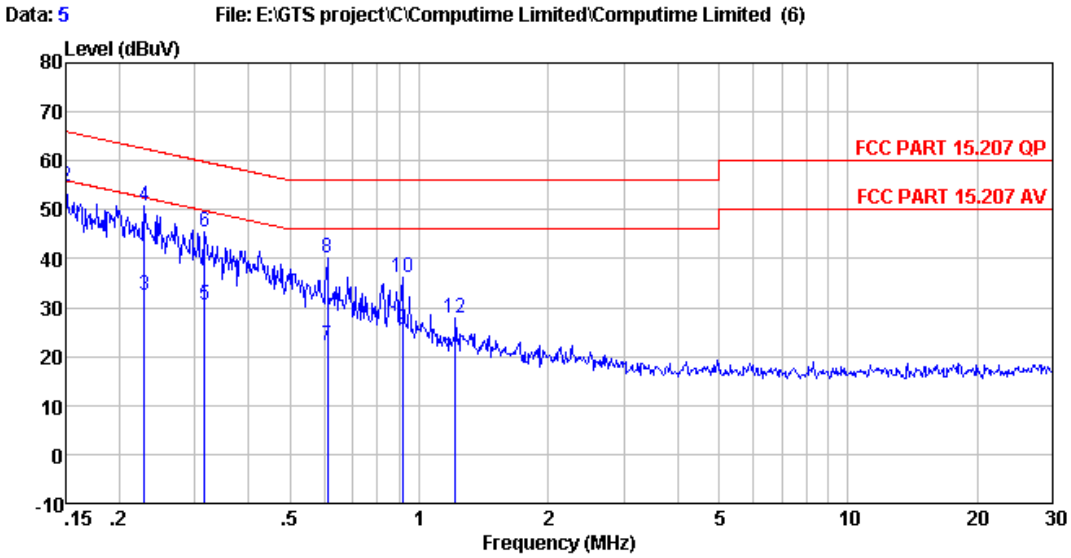
Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test Instruments:</td><td>Refer to section 4.7 for details</td></tr>
<tr><td>Test mode:</td><td>Operating Mode</td></tr>
<tr><td>Test results:</td><td>Passed</td></tr>
</table>

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:



Condition : FCC PART 15.207 QP LISN LINE
Job No : GTSE100800148RF
EUT : Motion Sensor
Test Mode : Operating mode
Test Engineer: Franks

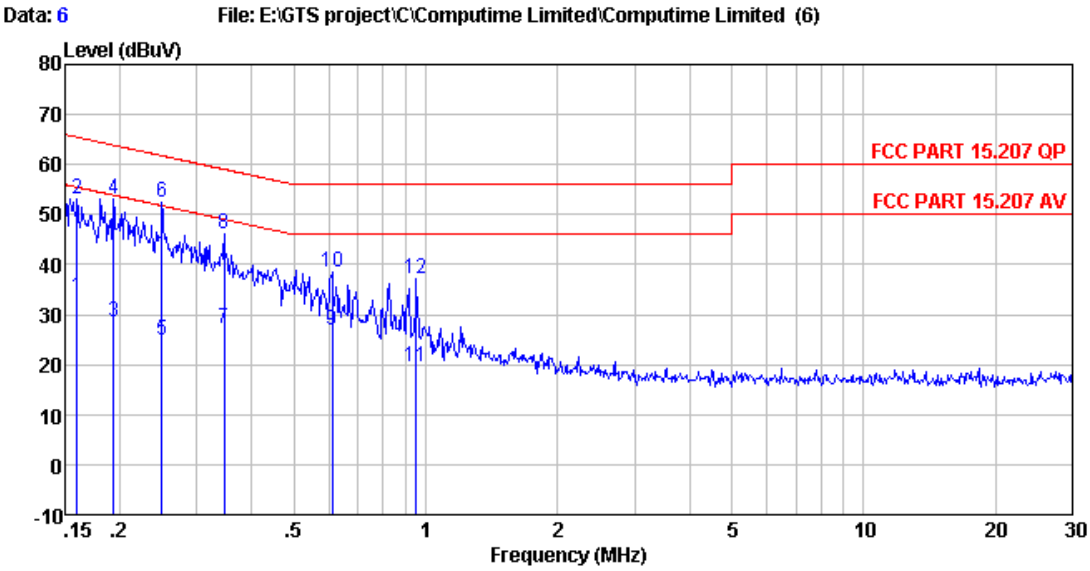
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.1500	25.60	3.69	0.01	29.30	56.00	-26.70	Average
2	0.1500	51.18	3.69	0.01	54.88	66.00	-11.12	QP
3	0.2292	28.90	3.64	0.01	32.55	52.48	-19.93	Average
4	0.2292	47.20	3.64	0.01	50.85	62.48	-11.63	QP
5	0.3166	27.01	3.60	0.01	30.62	49.80	-19.18	Average
6	0.3166	41.93	3.60	0.01	45.54	59.80	-14.26	QP
7	0.6108	18.60	3.53	0.01	22.14	46.00	-23.86	Average
8	0.6108	36.76	3.53	0.01	40.30	56.00	-15.70	QP
9	0.9136	22.10	3.49	0.01	25.60	46.00	-20.40	Average
10	0.9136	32.62	3.49	0.01	36.12	56.00	-19.88	QP
11	1.2162	16.40	3.46	0.01	19.87	46.00	-26.13	Average
12	1.2162	24.50	3.46	0.01	27.97	56.00	-28.03	QP

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:



Condition : FCC PART 15.207 QP LISN NEUTRAL
Job No : GTSE100800148RF
EUT : Motion Sensor
Test Mode : Operating mode
Test Engineer: Franks

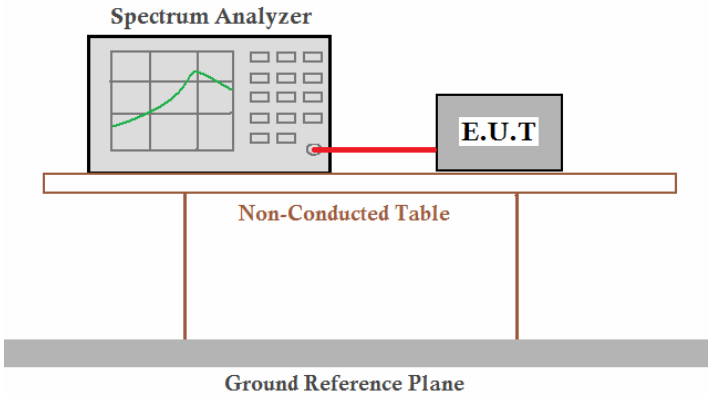
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.1598	29.80	3.68	0.01	33.49	55.47	-21.98	Average
2	0.1598	49.50	3.68	0.01	53.19	65.47	-12.28	QP
3	0.1934	25.00	3.66	0.01	28.67	53.89	-25.22	Average
4	0.1934	49.46	3.66	0.01	53.13	63.89	-10.76	QP
5	0.2495	21.30	3.63	0.01	24.94	51.78	-26.84	Average
6	0.2495	48.74	3.63	0.01	52.38	61.78	-9.40	QP
7	0.3465	23.50	3.60	0.01	27.11	49.05	-21.94	Average
8	0.3465	42.54	3.60	0.01	46.15	59.05	-12.90	QP
9	0.6108	23.20	3.53	0.01	26.74	46.00	-19.26	Average
10	0.6108	34.88	3.53	0.01	38.42	56.00	-17.58	QP
11	0.9531	15.90	3.48	0.01	19.39	46.00	-26.61	Average
12	0.9531	33.78	3.48	0.01	37.27	56.00	-18.73	QP

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 Conducted Peak Output Power

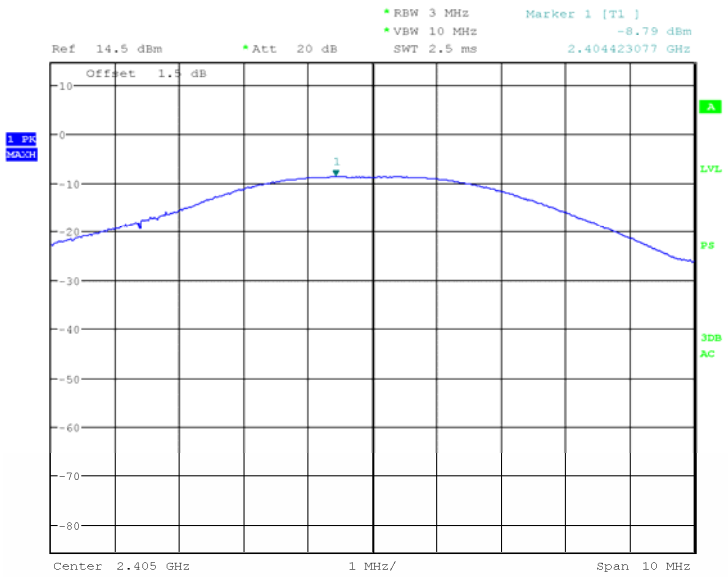
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	30dBm
Test setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Measurement Data

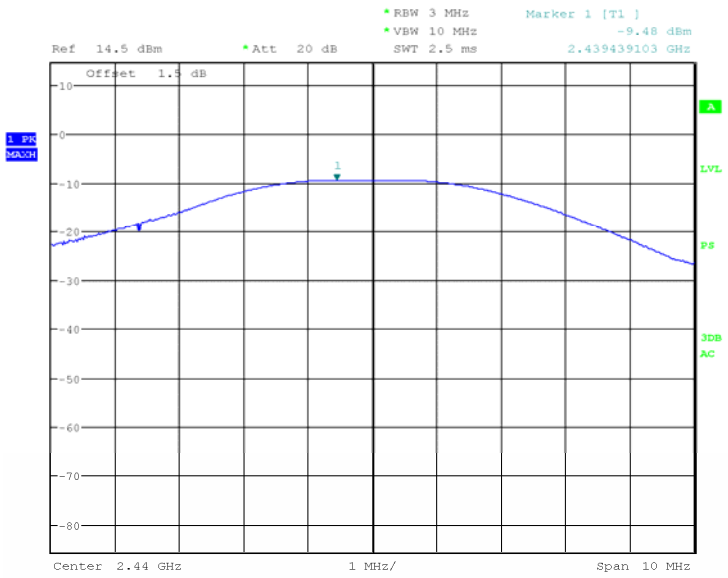
Operating mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	-8.79	30.00	Pass
Middle	-9.48	30.00	Pass
Highest	-8.21	30.00	Pass

Test plot as follows:

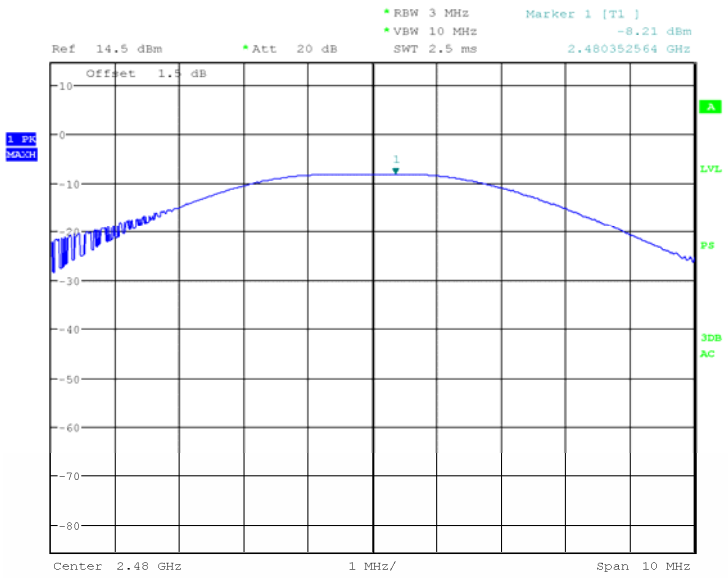
Test channel:	Lowest



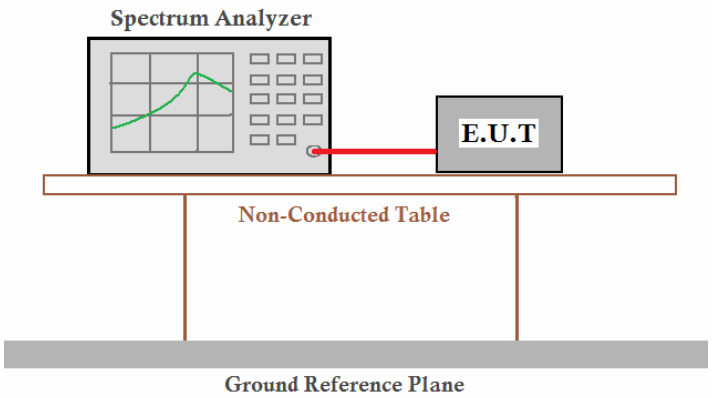
Test channel:	Middle



Test channel:	Highest



5.4 6dB Occupy Bandwidth

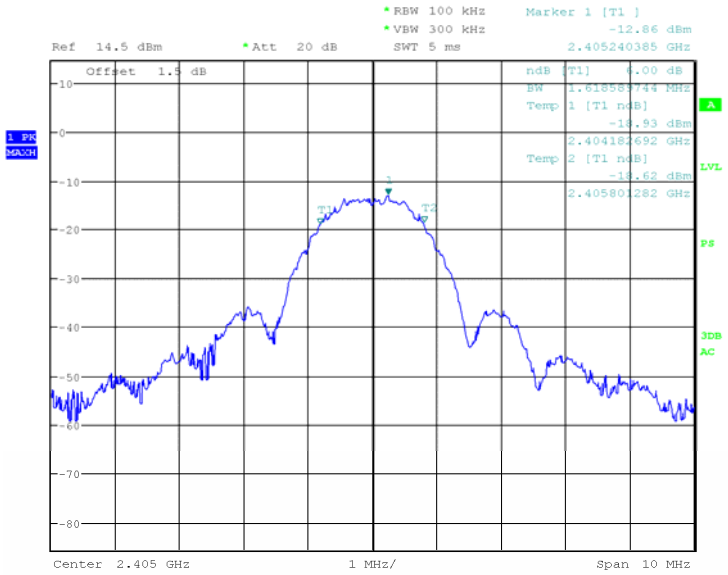
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	>500KHz
Test setup:	
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Measurement Data

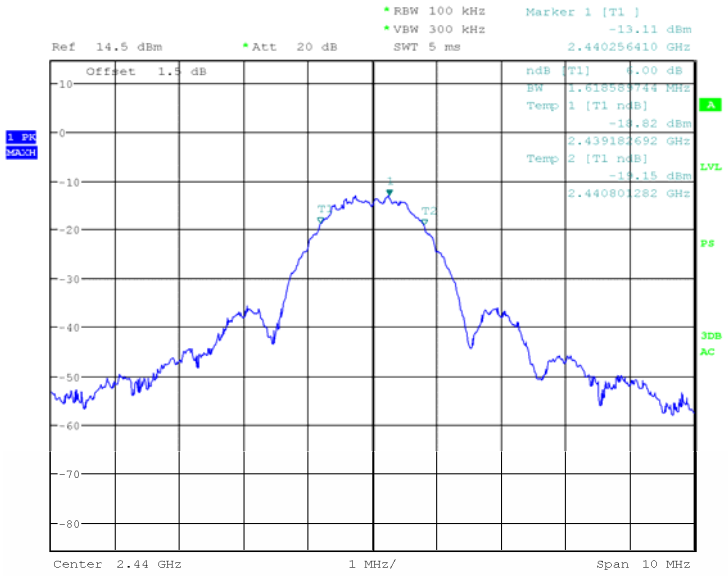
Operating mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
Lowest	1.6185	>500	Pass
Middle	1.6185	>500	Pass
Highest	1.6346	>500	Pass

Test plot as follows:

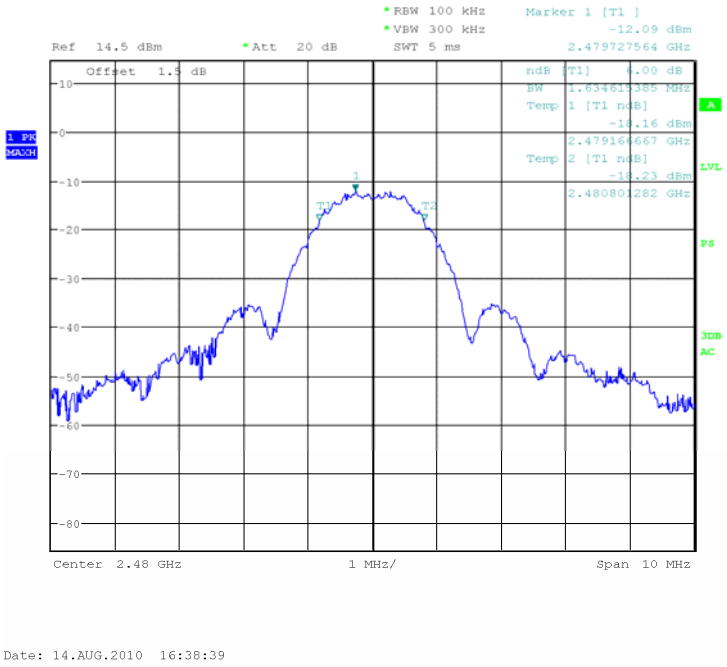
Test channel:	Lowest



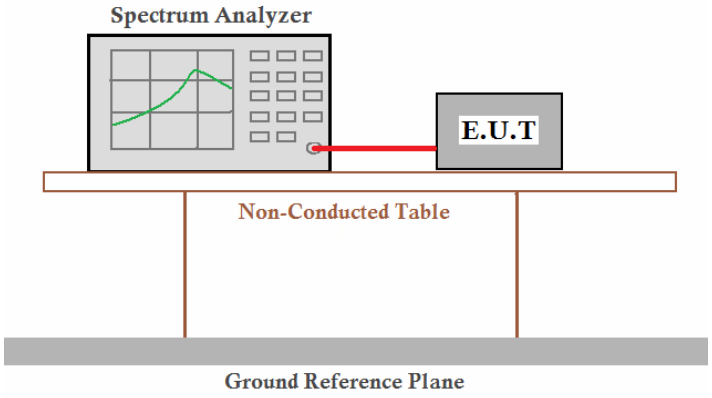
Test channel:	Middle



Test channel:	Highest



5.5 Power Spectral Density

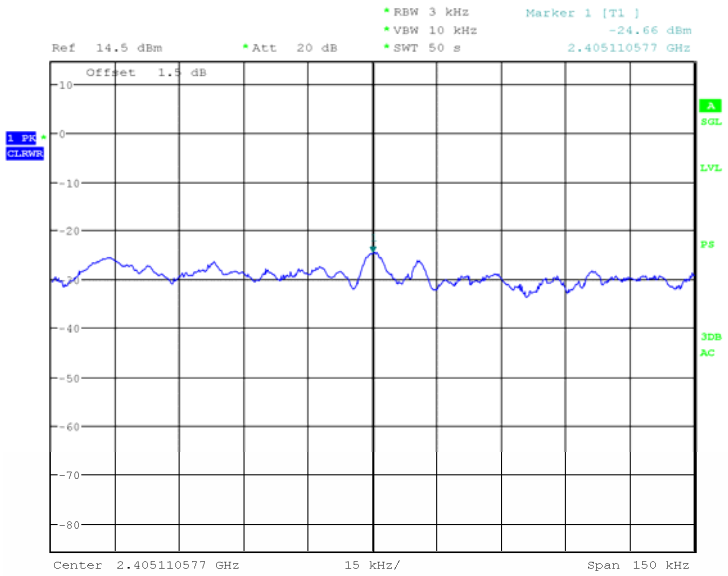
Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	8dBm
Test setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Measurement Data

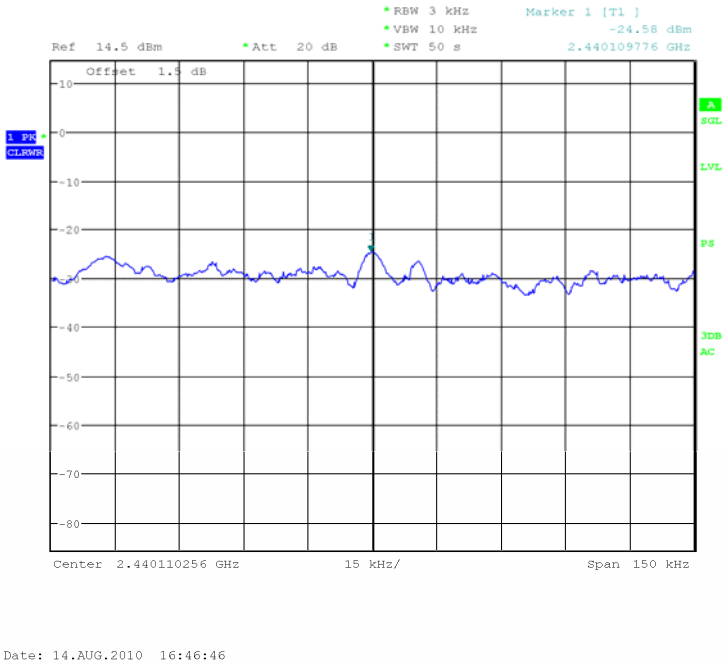
Operating mode			
Test channel	Power Spectral Density (dBm)	Limit (dBm)	Result
Lowest	-24.66	8.00	Pass
Middle	-24.58	8.00	Pass
Highest	-23.41	8.00	Pass

Test plot as follows:

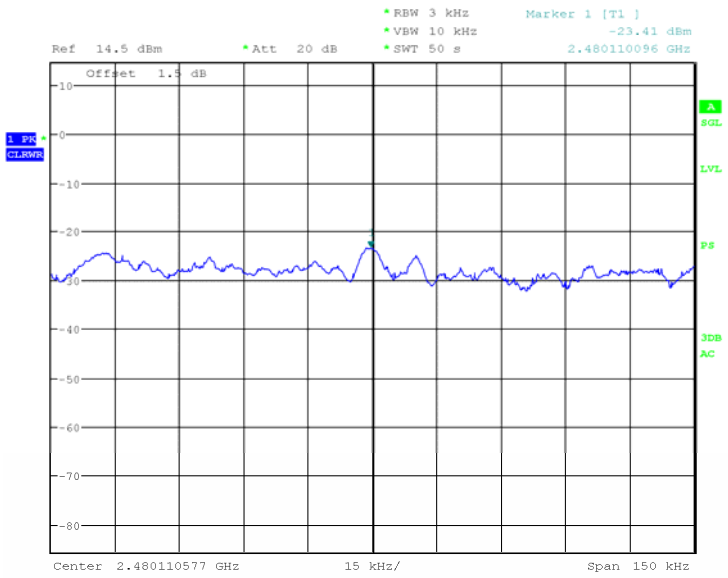
Test channel:	Lowest



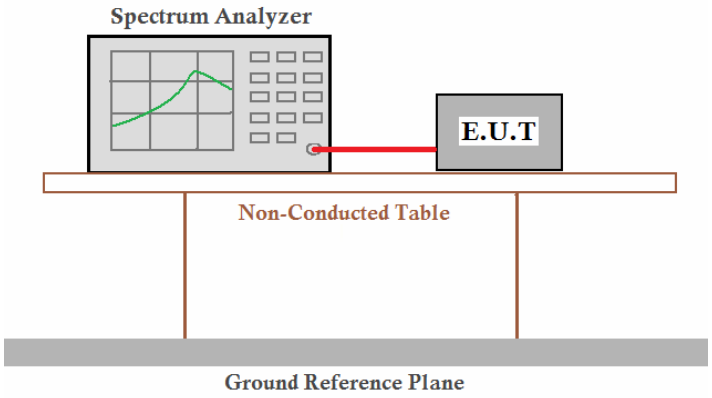
Test channel:	Middle



Test channel:	Highest

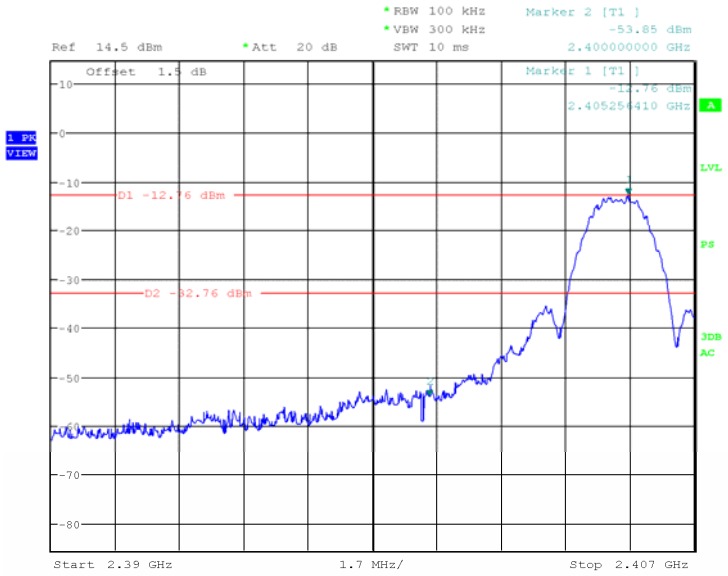


5.6 Band Edge

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.
Test setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

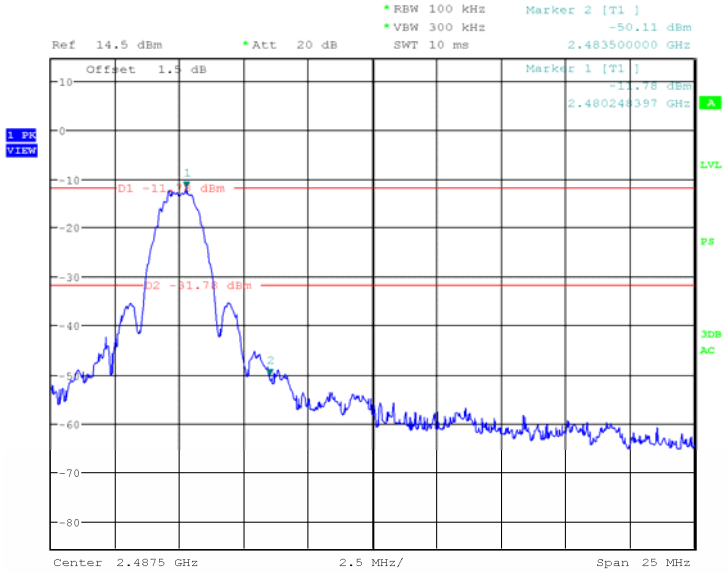
Test plot as follows:

Test mode:	Operating Mode	Test channel:	Lowest



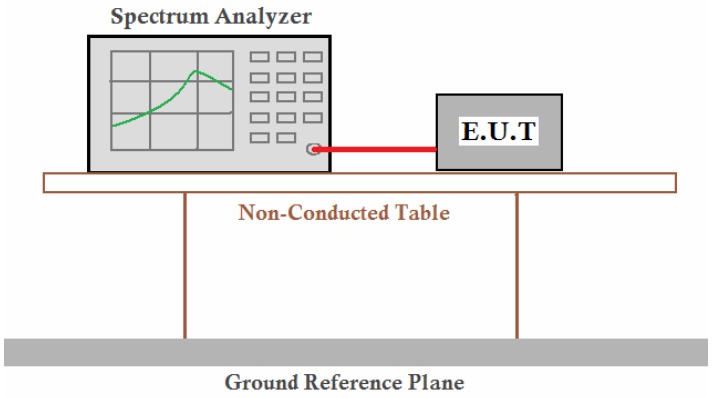
Date: 14.AUG.2010 16:36:22

Test mode:	Operating Mode	Test channel:	Highest



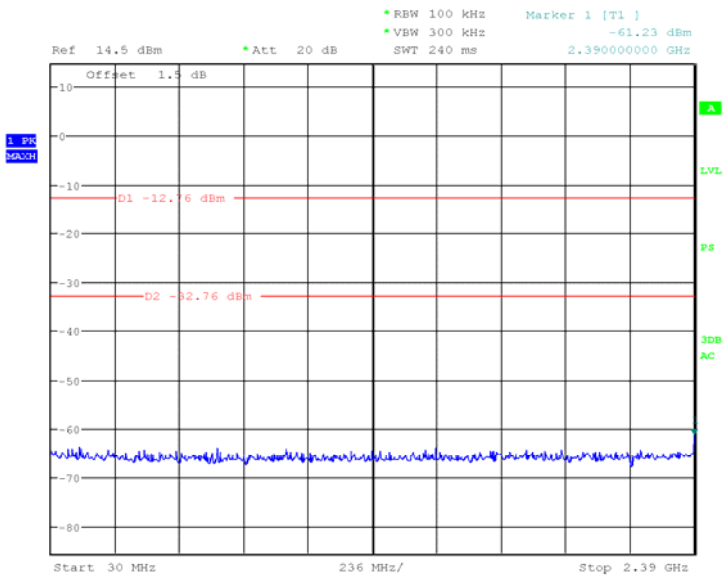
Date: 14.AUG.2010 16:42:01

5.7 RF Antenna Conducted spurious emissions

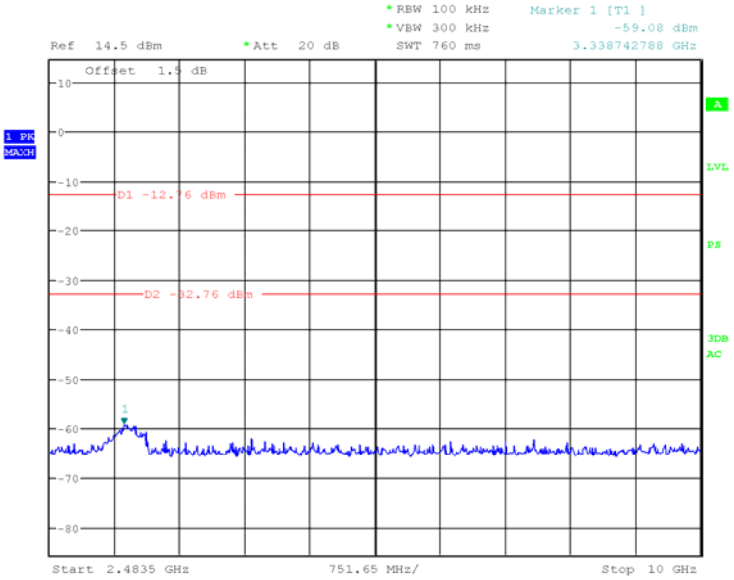
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 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.
Test setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Test plot as follows:

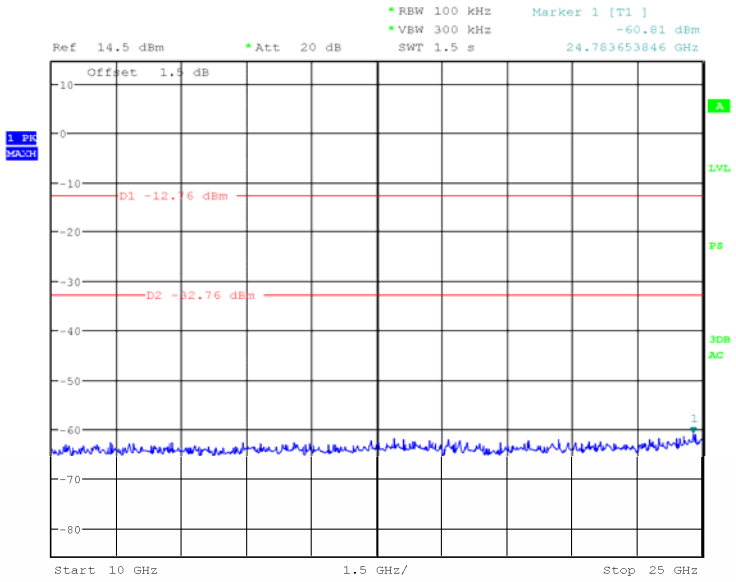
Test channel:	Lowest



Date: 14.AUG.2010 16:36:46

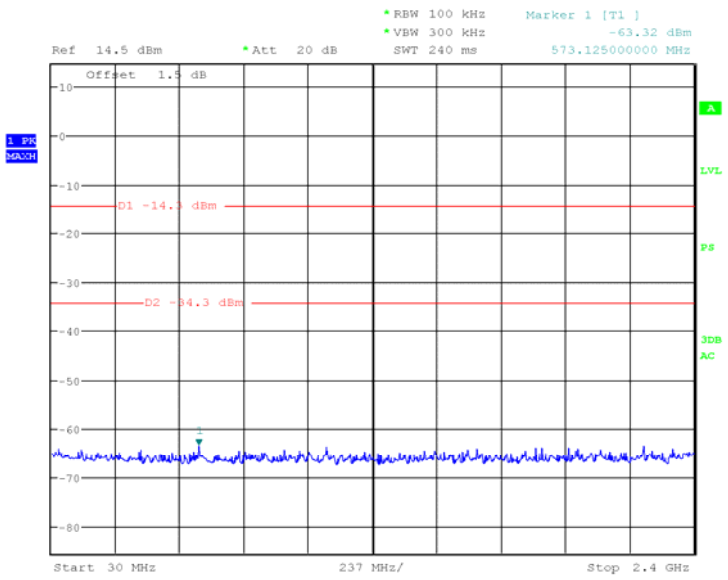


Date: 14.AUG.2010 16:37:25



Date: 14.AUG.2010 16:37:46

Test channel:	Middle



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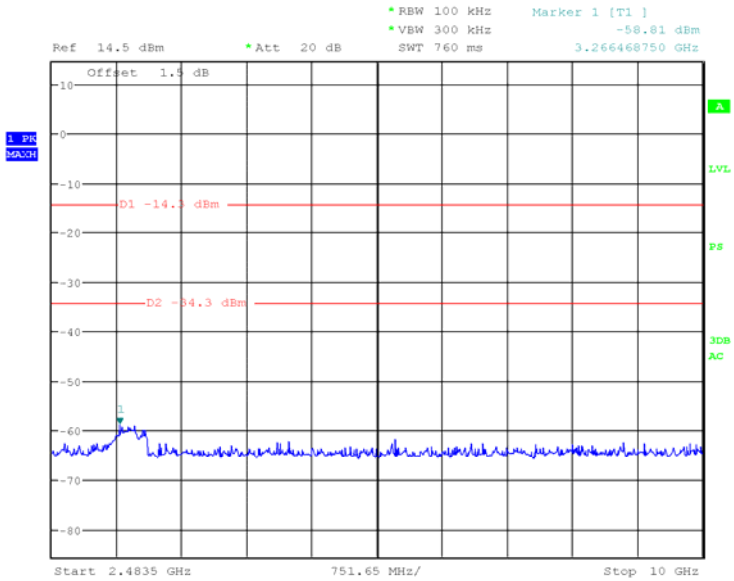

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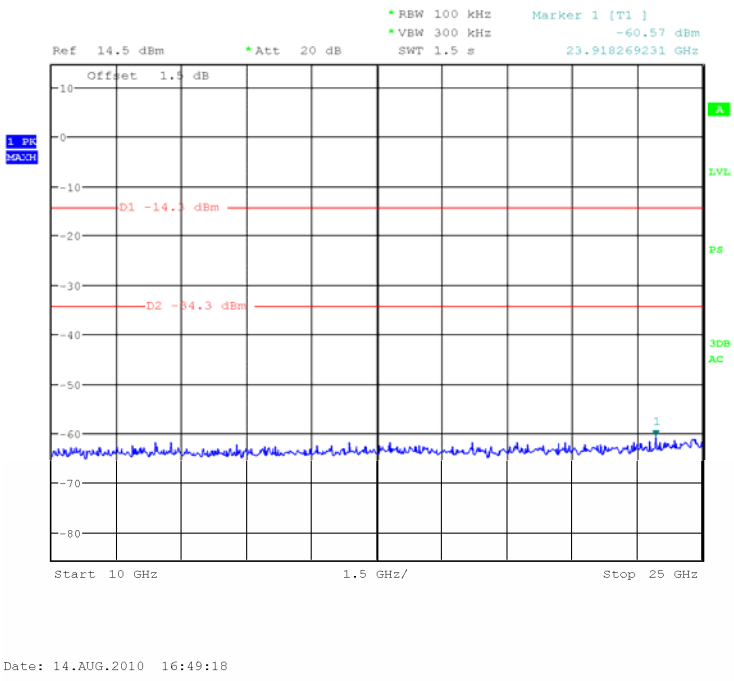
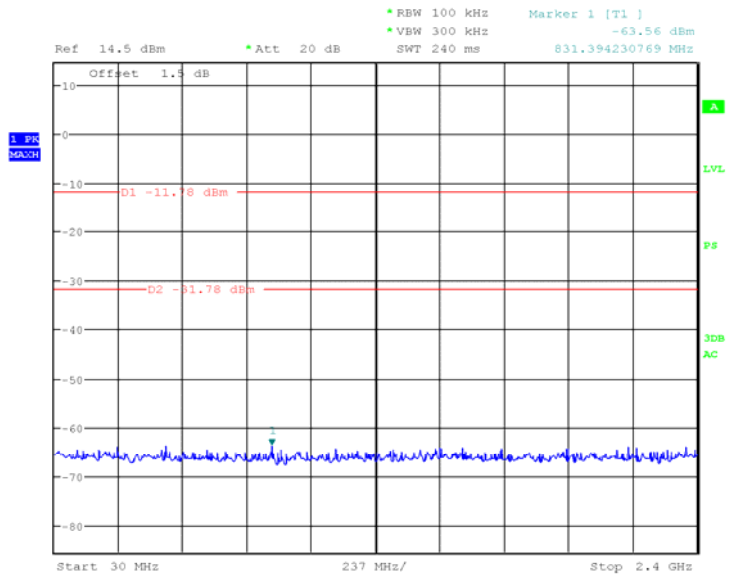
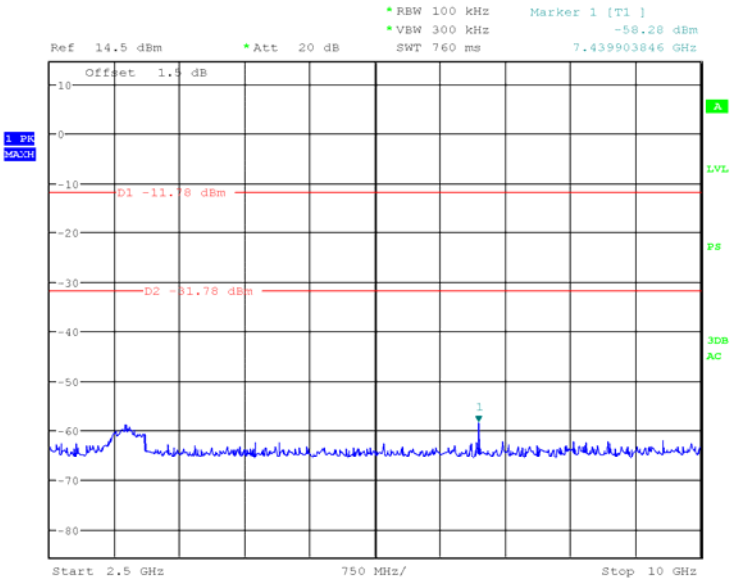

RBW 100 kHz
VBW 300 kHz
SWT 1.5 s
Marker 1 [T1]
-60.57 dBm
23.918269231 GHz
Ref 14.5 dBm
Att 20 dB
Offset 1.5 dB
1 PK
MAXH
A
LVL
PS
3DB
AC
D1 -14.3 dBm
D2 -34.3 dBm
Start 10 GHz
1.5 GHz/
Stop 25 GHz
Date: 14.AUG.2010 16:49:18

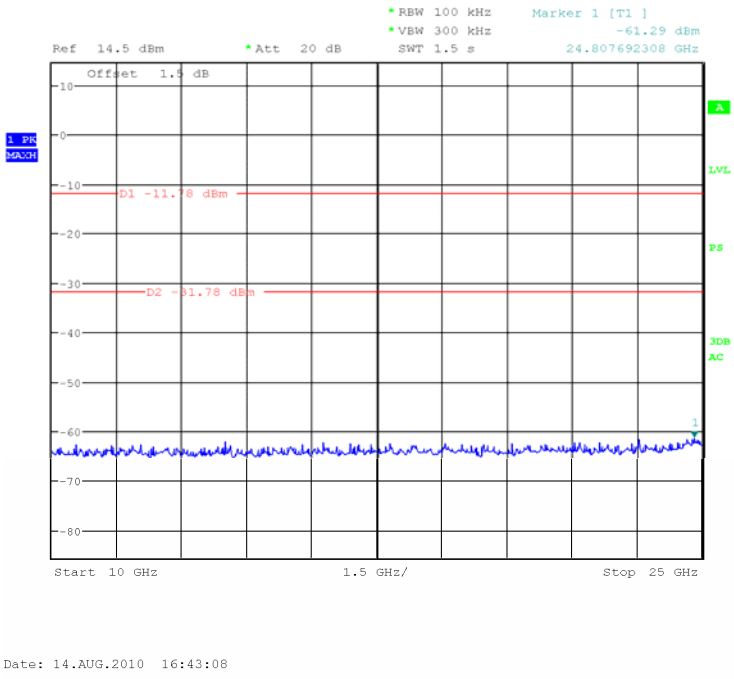
Test channel:	Highest



Date: 14.AUG.2010 16:42:21

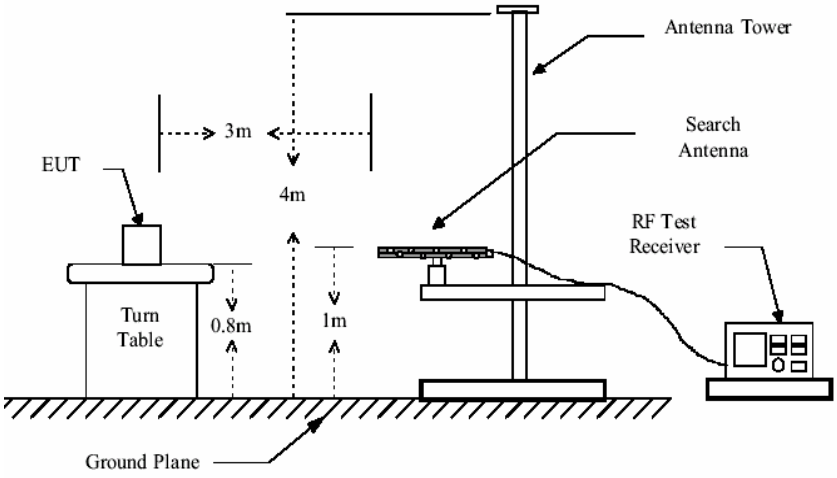
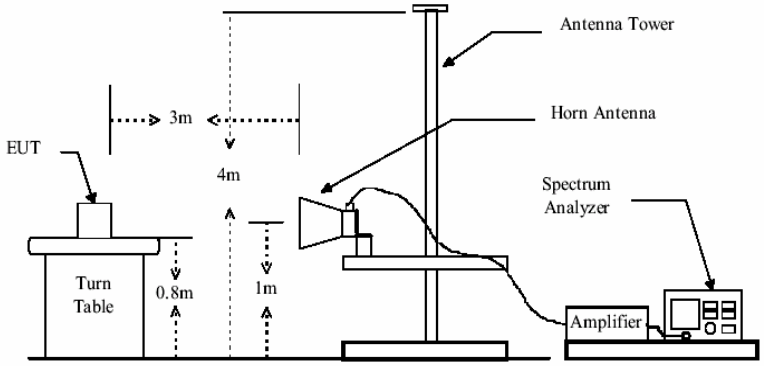


Date: 14.AUG.2010 16:42:50


RBW 100 kHz
VBW 300 kHz
SWT 1.5 s
Marker 1 [T1]
-61.29 dBm
24.807692308 GHz
Ref 14.5 dBm
Att 20 dB
Offset 1.5 dB
1 PK
MAXH
D1 -11.78 dBm
D2 -31.78 dBm
A
LVL
PS
3DB
AC
Start 10 GHz
1.5 GHz/
Stop 25 GHz
Date: 14.AUG.2010 16:43:08

5.8 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 25GHz</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:</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>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 rotable 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>
</table>

Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 4.7 for details
Test mode:	Operating Mode
Test results:	Passed

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

5.8.1 Radiated emission below 1GHz

Worst case:	Middle Channel

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
90.14	1.1	8.71	27.95	30.36	12.22	43.5	-31.28	Vertical
106.63	1.22	8.77	27.81	30.93	13.11	43.5	-30.39	Vertical
136.7	1.29	7.98	27.55	31.64	13.36	43.5	-30.14	Vertical
295.78	1.88	13.72	26.73	29.78	18.65	46	-27.35	Vertical
536.34	2.64	18.68	27.67	32.53	26.18	46	-19.82	Vertical
749.74	3.06	21.7	27.11	38.93	36.58	46	-9.42	Vertical
60.07	0.8	7.19	28.05	34.3	14.24	40	-25.76	Horizontal
98.87	1.19	9.06	27.89	33.63	15.99	43.5	-27.51	Horizontal
125.06	1.27	7.8	27.64	40.08	21.51	43.5	-21.99	Horizontal
316.15	1.96	14.5	26.85	29.94	19.55	46	-26.45	Horizontal
796.3	3.19	22.08	26.95	36.82	35.14	46	-10.86	Horizontal
935.98	3.64	23.3	26.43	35.44	35.95	46	-10.05	Horizontal

5.8.2 Transmitter emission above 1GHz

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
2339.50	6.08	29.81	39.59	44.92	41.22	74	-32.78	Vertical
2398.25	6.34	30.03	38.87	46.48	43.98	74	-30.02	Vertical
2400.00	6.34	30.03	38.87	46.06	43.56	74	-30.44	Vertical
4810.00	9.36	34.25	41.53	43.08	45.16	74	-28.84	Vertical
7215.00	13.38	37.23	40.98	46.00	55.63	74	-18.37	Vertical
9620.00	13.39	37.99	37.56	42.53	56.35	74	-17.65	Vertical
12025.00	16.45	39.10	39.09	41.65	58.11	74	-15.89	Vertical
2327.75	6.02	29.76	39.75	45.80	41.83	74	-32.17	Horizontal
2398.25	6.34	30.03	38.87	45.37	42.87	74	-31.13	Horizontal
2400.00	6.34	30.03	38.87	45.15	42.65	74	-31.35	Horizontal
4810.00	9.36	34.25	41.53	44.29	46.37	74	-27.63	Horizontal
7215.00	13.38	37.23	40.98	46.13	55.76	74	-18.24	Horizontal
9620.00	13.39	37.99	37.56	42.85	56.67	74	-17.33	Horizontal
12025.00	16.45	39.10	39.09	42.24	58.70	74	-15.30	Horizontal

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
2386.50	6.28	29.98	39.03	32.72	29.95	54	-24.05	Vertical
2398.25	6.34	30.03	38.87	32.69	30.19	54	-23.81	Vertical
2400.00	6.34	30.03	38.87	32.73	30.23	54	-23.77	Vertical
4810.00	9.36	34.25	41.53	32.59	34.67	54	-19.33	Vertical
7215.00	13.38	37.23	40.98	33.18	42.81	54	-11.19	Vertical
9620.00	13.39	37.99	37.56	29.38	43.20	54	-10.80	Vertical
12025.00	16.45	39.10	39.09	29.10	45.56	54	-8.44	Vertical
2327.75	6.02	29.76	39.75	32.76	28.79	54	-25.21	Horizontal
2398.25	6.34	30.03	38.87	32.63	30.13	54	-23.87	Horizontal
2400.00	6.34	30.03	38.87	32.67	30.17	54	-23.83	Horizontal
4810.00	9.36	34.25	41.53	32.59	34.67	54	-19.33	Horizontal
7215.00	13.38	37.23	40.98	33.20	42.83	54	-11.17	Horizontal
9620.00	13.39	37.99	37.56	29.46	43.28	54	-10.72	Horizontal
12025.00	16.45	39.10	39.09	28.22	44.68	54	-9.32	Horizontal

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
2400.0	6.34	30.03	38.87	45.73	43.23	74	-30.77	Vertical
2483.5	6.22	30.32	39.53	51.64	48.65	74	-25.35	Vertical
4880.0	10.57	34.35	40.33	48.00	52.59	74	-21.41	Vertical
7320.0	12.91	37.31	40.40	46.66	56.48	74	-17.52	Vertical
9760.0	13.89	38.03	37.94	42.15	56.13	74	-17.87	Vertical
12200.0	17.95	39.23	39.30	43.57	61.45	74	-12.55	Vertical
2400.0	6.34	30.03	38.87	45.46	42.96	74	-31.04	Horizontal
2483.5	6.22	30.32	39.53	46.13	43.14	74	-30.86	Horizontal
4880.0	10.57	34.35	40.33	49.97	54.56	74	-19.44	Horizontal
7320.0	12.91	37.31	40.40	47.44	57.26	74	-16.74	Horizontal
9760.0	13.89	38.03	37.94	42.00	55.98	74	-18.02	Horizontal
12200.0	17.95	39.23	39.30	43.08	60.96	74	-13.04	Horizontal

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
2400.0	6.34	30.03	38.87	32.72	30.22	54	-23.78	Vertical
2483.5	6.22	30.32	39.53	32.79	29.80	54	-24.20	Vertical
4880.0	10.57	34.35	40.33	31.96	36.55	54	-17.45	Vertical
7320.0	12.91	37.31	40.40	33.19	43.01	54	-10.99	Vertical
9760.0	13.89	38.03	37.94	29.29	43.27	54	-10.73	Vertical
12200.0	17.95	39.23	39.30	28.79	46.67	54	-7.33	Vertical
2400.0	6.34	30.03	38.87	32.70	30.20	54	-23.80	Horizontal
2483.5	6.22	30.32	39.53	32.70	29.71	54	-24.29	Horizontal
4880.0	10.57	34.35	40.33	32.49	37.08	54	-16.92	Horizontal
7320.0	12.91	37.31	40.40	33.16	42.98	54	-11.02	Horizontal
9760.0	13.89	38.03	37.94	29.31	43.29	54	-10.71	Horizontal
12200.0	17.95	39.23	39.30	28.78	46.66	54	-7.34	Horizontal

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
2483.5	6.22	30.32	39.53	51.59	48.60	74	-25.40	Vertical
2500.0	5.76	30.37	39.15	45.91	42.89	74	-31.11	Vertical
4960.0	10.43	34.45	41.03	43.51	47.36	74	-26.64	Vertical
7440.0	12.72	37.37	40.01	46.08	56.16	74	-17.84	Vertical
9920.0	14.24	38.08	37.78	41.33	55.87	74	-18.13	Vertical
12400.0	17.55	39.34	39.48	42.90	60.31	74	-13.69	Vertical
2483.5	6.22	30.32	39.53	47.21	44.22	74	-29.78	Horizontal
2500.0	5.76	30.37	39.15	46.10	43.08	74	-30.92	Horizontal
4960.0	10.43	34.45	41.03	44.49	48.34	74	-25.66	Horizontal
7440.0	12.72	37.37	40.01	46.88	56.96	74	-17.04	Horizontal
9920.0	14.24	38.08	37.78	40.82	55.36	74	-18.64	Horizontal
12400.0	17.55	39.34	39.48	42.37	59.78	74	-14.22	Horizontal

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
2483.5	6.22	30.32	39.53	32.66	29.67	54	-24.33	Vertical
2500.0	5.76	30.37	39.15	32.80	29.78	54	-24.22	Vertical
4960.0	10.43	34.45	41.03	32.97	36.82	54	-17.18	Vertical
7440.0	12.72	37.37	40.01	33.19	43.27	54	-10.73	Vertical
9920.0	14.24	38.08	37.78	28.52	43.06	54	-10.94	Vertical
12400.0	17.55	39.34	39.48	29.11	46.52	54	-7.48	Vertical
2483.5	6.22	30.32	39.53	32.55	29.56	54	-24.44	Horizontal
2500.0	5.76	30.37	39.15	32.68	29.66	54	-24.34	Horizontal
4960.0	10.43	34.45	41.03	32.03	35.88	54	-18.12	Horizontal
7440.0	12.72	37.37	40.01	33.19	43.27	54	-10.73	Horizontal
9920.0	14.24	38.08	37.78	28.51	43.05	54	-10.95	Horizontal
12400.0	17.55	39.34	39.48	29.10	46.51	54	-7.49	Horizontal