



FCC REPORT

Applicant:	Comptime Limited
Address of Applicant:	17/F, Great Eagle Centre, 23 Harbour Road, Wanchai, Hong Kong
Equipment Under Test (EUT)	
Name:	Digital ZigBee Thermostat
Model No.:	AAHZT01
FCC ID:	DI2AAHZT01
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

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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3 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	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:	Digital ZigBee Thermostat
Model No.:	AAHZT01
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:	DC 3x1.5V("AA" size)=4.5V

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 fully 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.

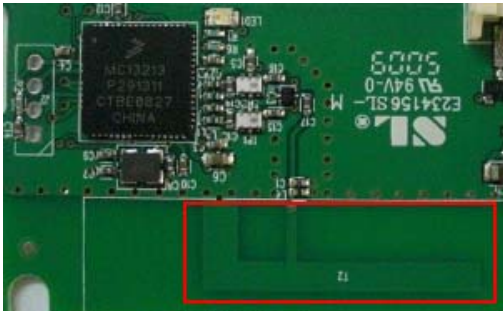
4.7 Test Instruments list

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

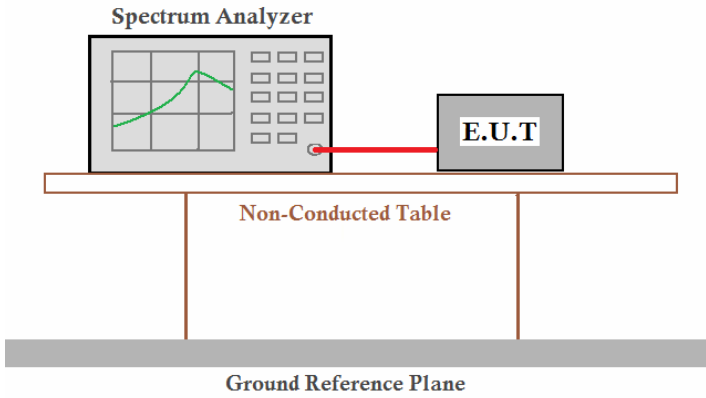
Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	TU206	Apr. 10 2010	Apr. 10 2011
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	TU208	Sep. 14 2009	Sep. 14 2010
3	10dB Pulse 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)
<p><i>15.203 requirement:</i> <i>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.</i></p> <p><i>15.247(c) (1)(i) requirement:</i> <i>(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.</i></p>	
E.U.T Antenna:	
<p><i>The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi.</i></p> <div data-bbox="247 1014 751 1368" style="text-align: center;">  <p>PCB Antenna</p> </div>	

5.2 Conducted Peak Output Power

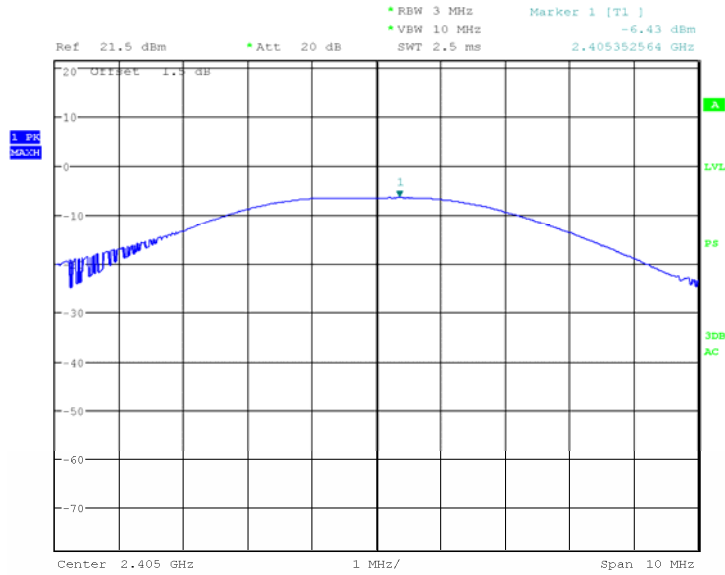
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	30dBm
Test setup:	 <p><i>Remark: Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.</i></p>
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Measurement Data

Operating mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	-6.43	30.00	Pass
Middle	-5.83	30.00	Pass
Highest	-5.56	30.00	Pass

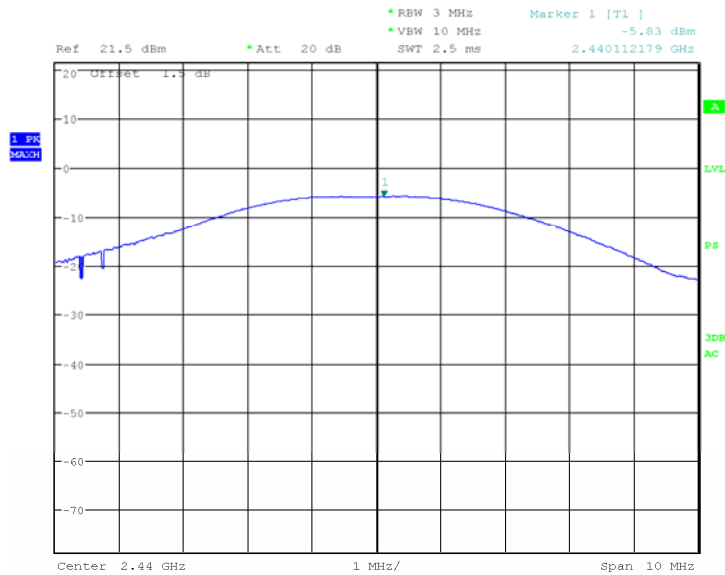
Test plot as follows:

Test channel:	Lowest
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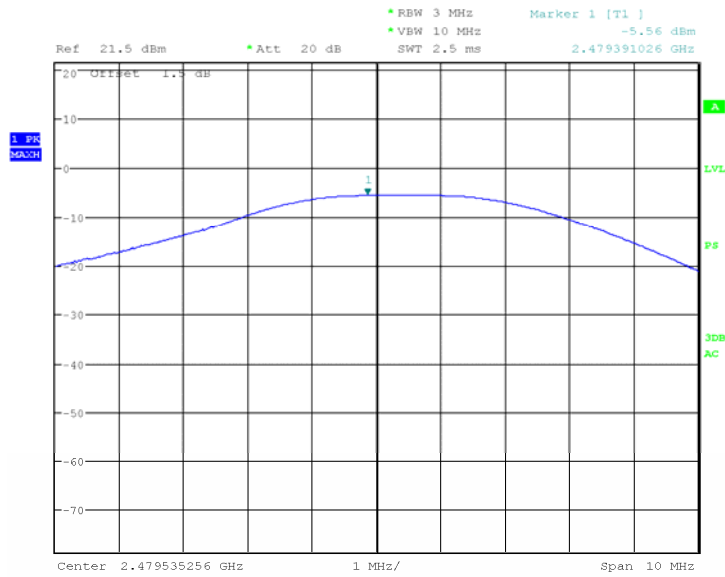
Date: 13.AUG.2010 17:56:01

Test channel:	Middle
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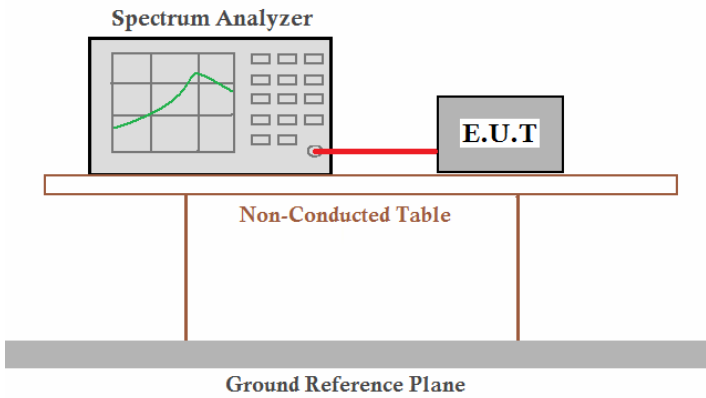
Date: 13.AUG.2010 18:02:17

Test channel:	Highest
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Date: 13.AUG.2010 18:15:51

5.3 6dB Occupy Bandwidth

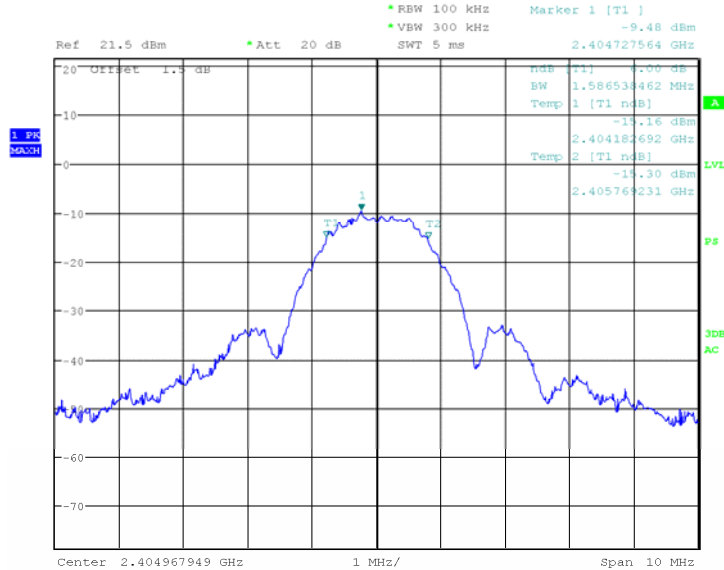
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	>500KHz
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
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	1.5865	>500	Pass
Middle	1.5865	>500	Pass
Highest	1.5865	>500	Pass

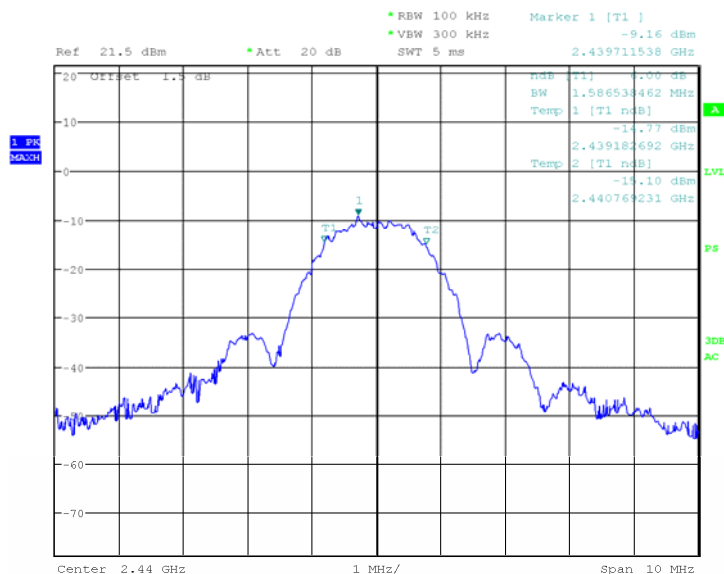
Test plot as follows:

Test channel: Lowest



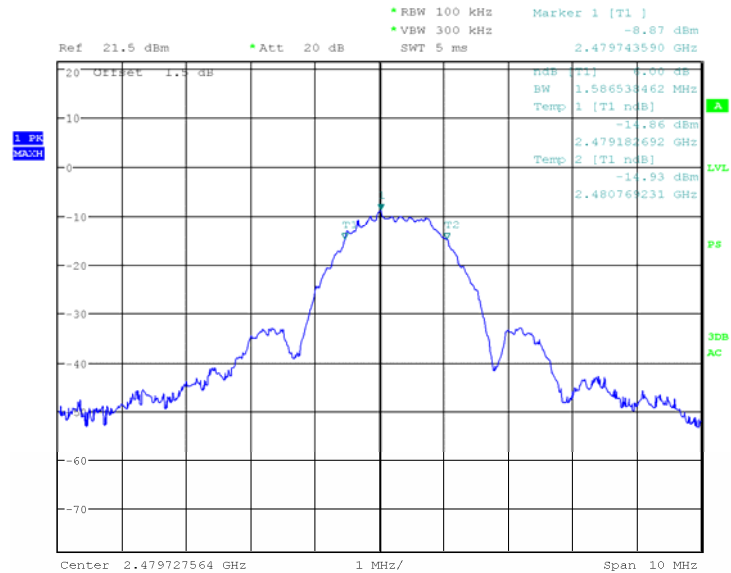
Date: 13.AUG.2010 17:55:28

Test channel: Middle



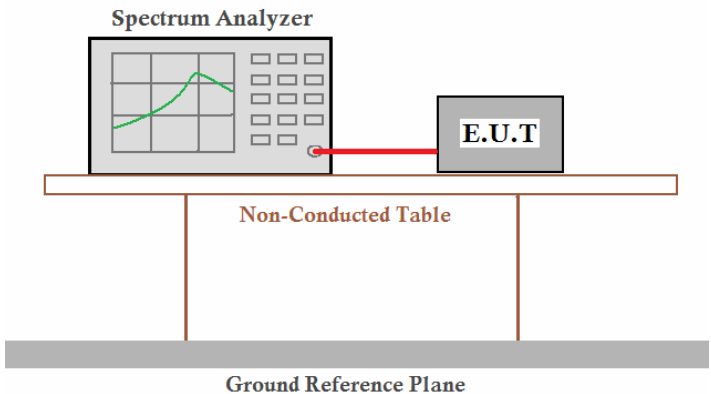
Date: 13.AUG.2010 18:02:38

Test channel:	Highest
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Date: 13.AUG.2010 18:21:20

5.4 Power Spectral Density

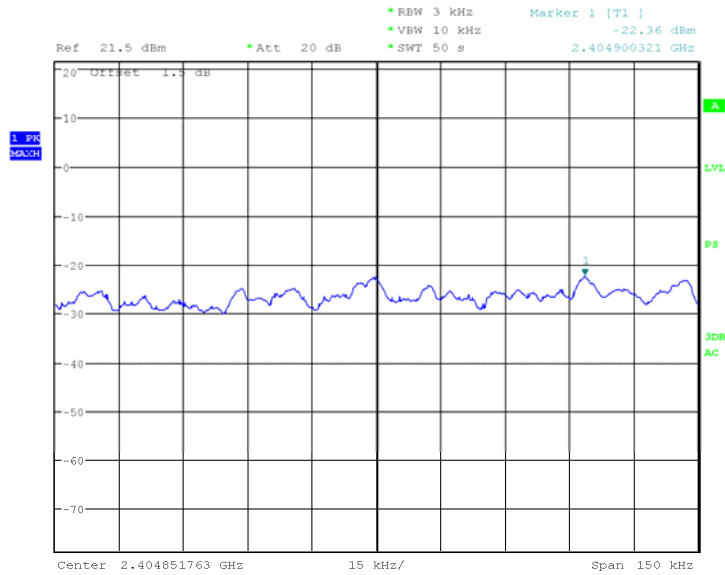
Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	8dBm
Test setup:	 <p><i>Remark: Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.</i></p>
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

Measurement Data

Operating mode			
Test channel	Power Spectral Density (dBm)	Limit (dBm)	Result
Lowest	-22.36	8.00	Pass
Middle	-21.98	8.00	Pass
Highest	-23.55	8.00	Pass

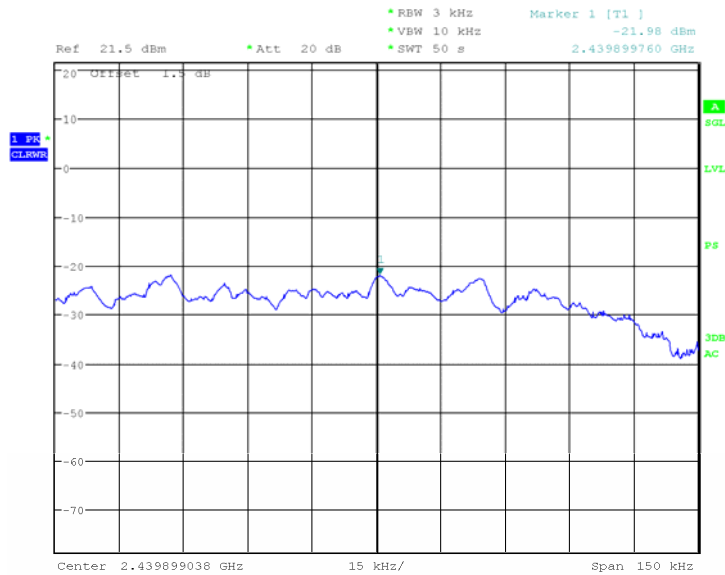
Test plot as follows:

Test channel:	Lowest
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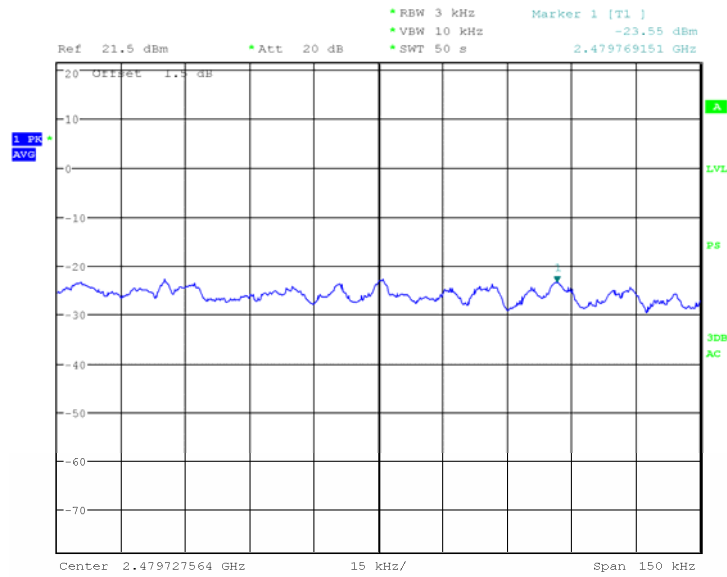
Date: 13.AUG.2010 17:58:03

Test channel:	Middle
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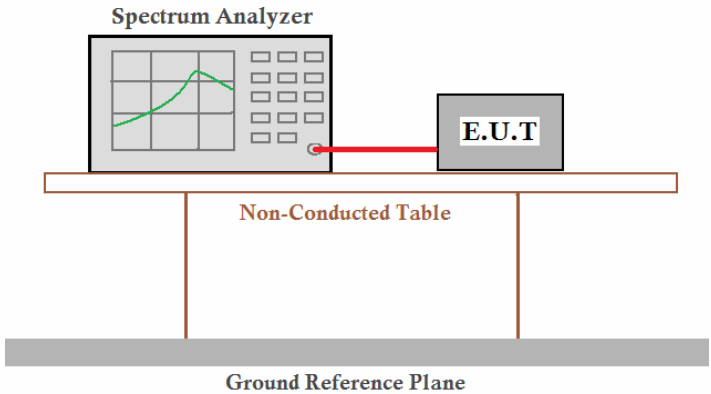
Date: 13.AUG.2010 18:04:42

Test channel:	Highest
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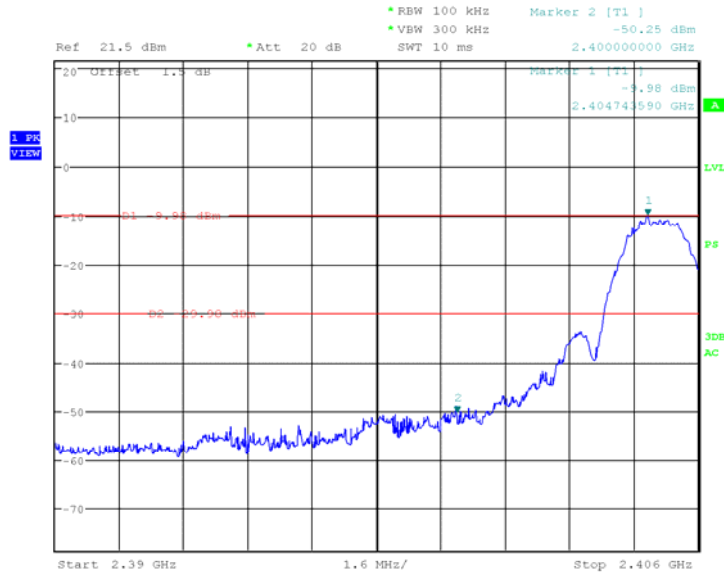
Date: 13.AUG.2010 18:25:48

5.5 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:	 <p><i>Remark:</i> Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.</p>
Test Instruments:	Refer to section 4.7 for details
Test results:	Passed

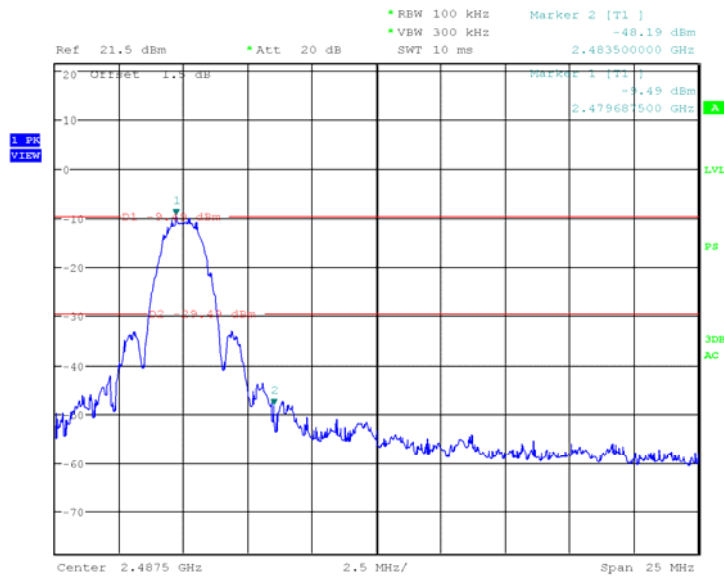
Test plot as follows:

Test mode:	Operating Mode	Test channel:	Lowest
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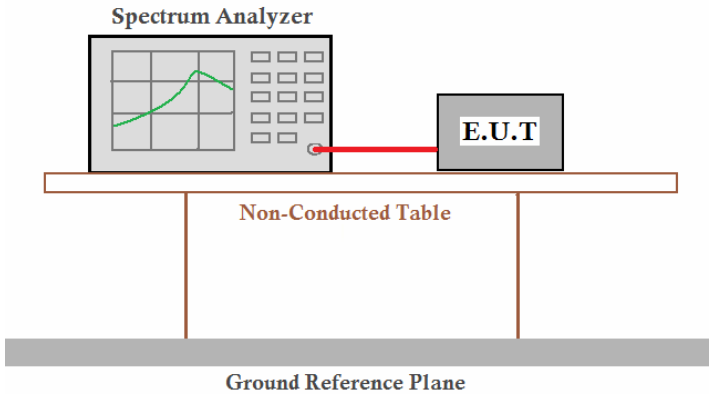
Date: 13.AUG.2010 17:59:02

Test mode:	Operating Mode	Test channel:	Highest
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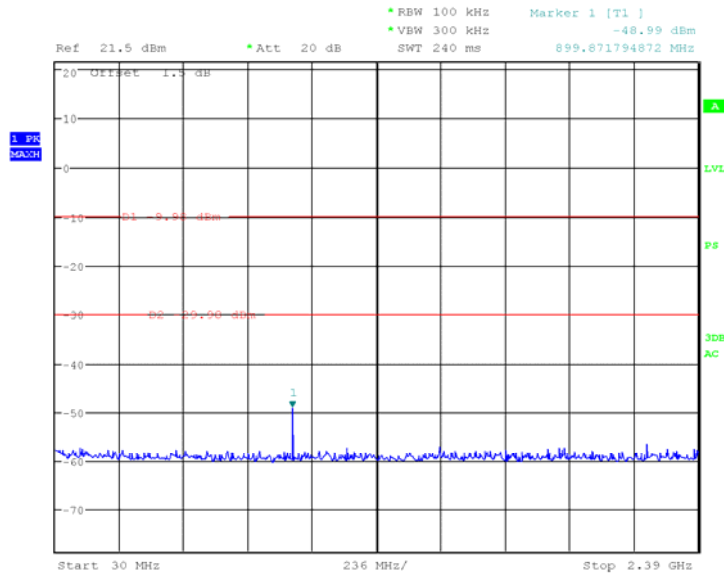
Date: 13.AUG.2010 18:33:05

5.6 RF Antenna Conducted spurious emissions

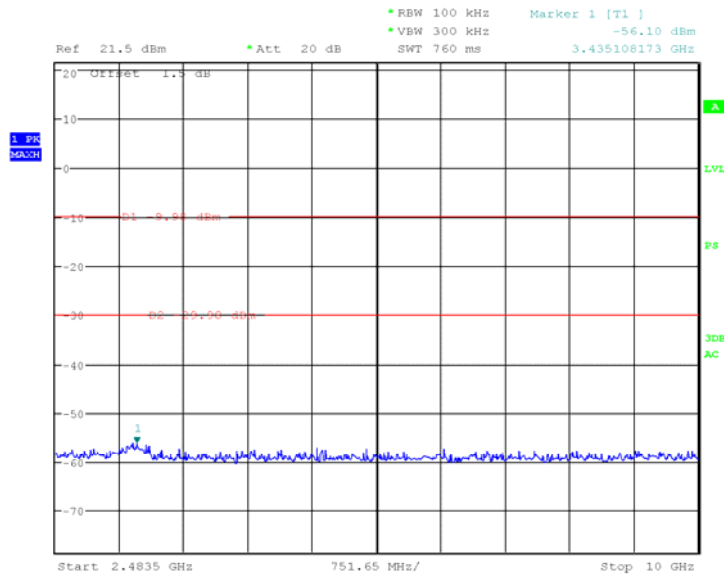
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least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

Test plot as follows:

Test channel:	Lowest
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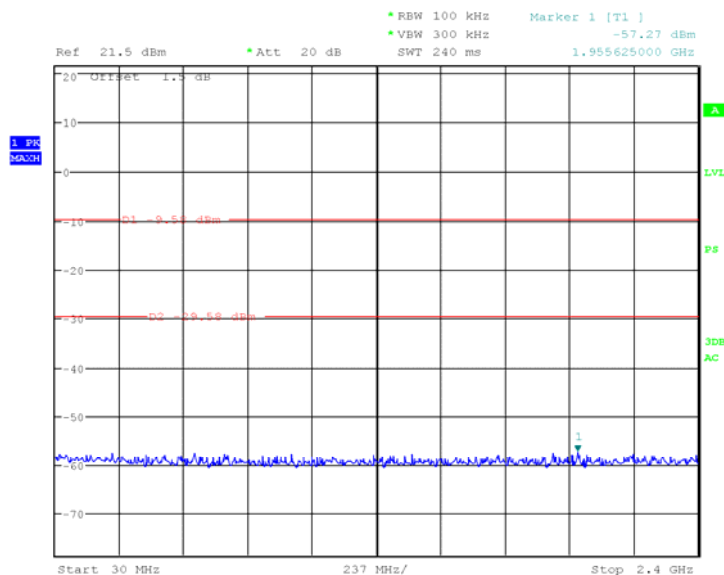


Date: 13.AUG.2010 17:59:37

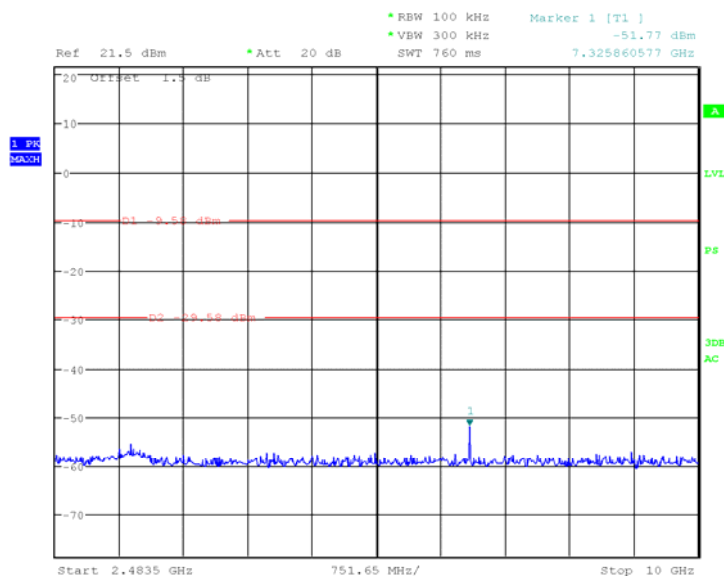


Date: 13.AUG.2010 18:00:14

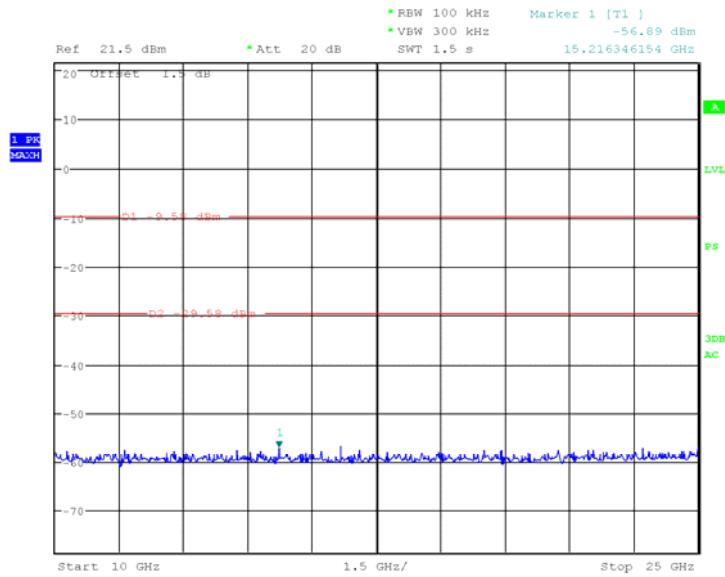
Test channel:	Middle
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Date: 13.AUG.2010 18:07:06

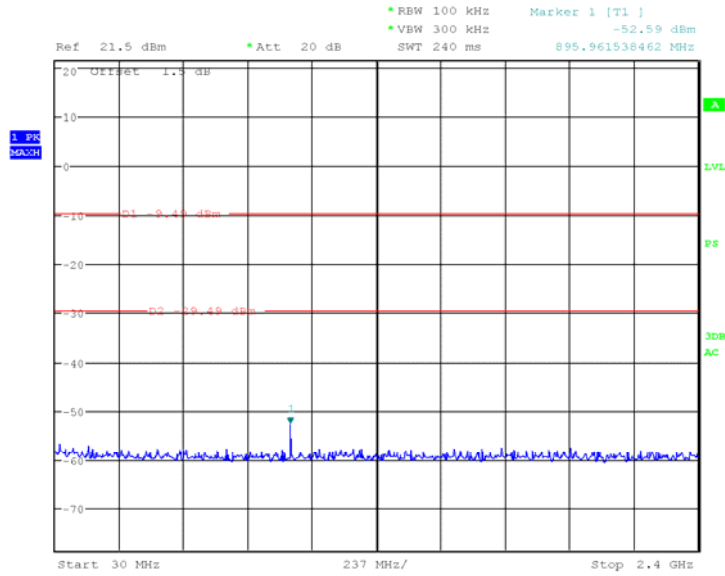


Date: 13.AUG.2010 18:07:35

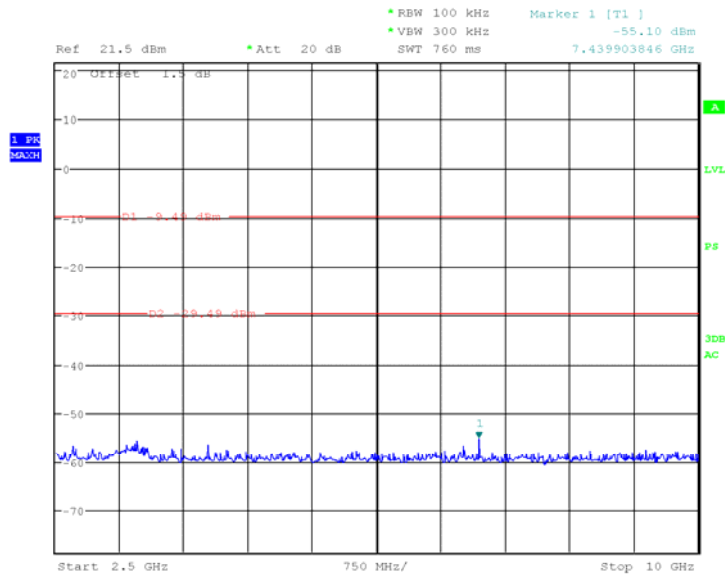


Date: 13.AUG.2010 18:07:49

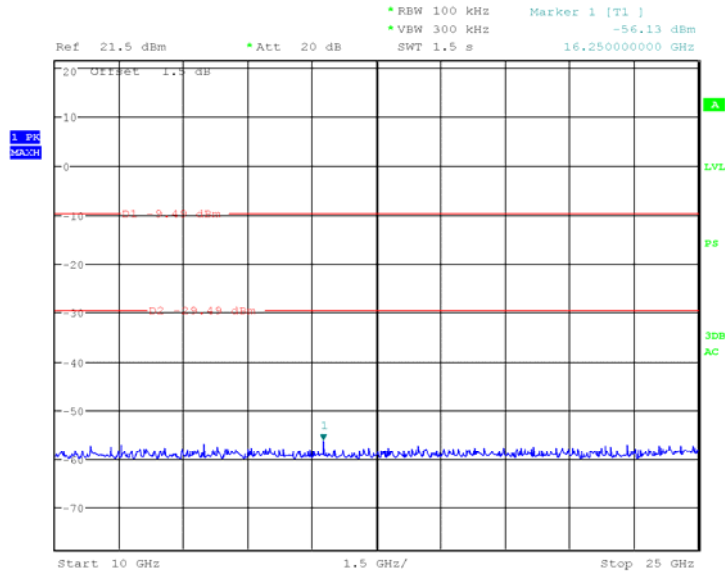
Test channel:	Highest
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Date: 13.AUG.2010 18:34:30



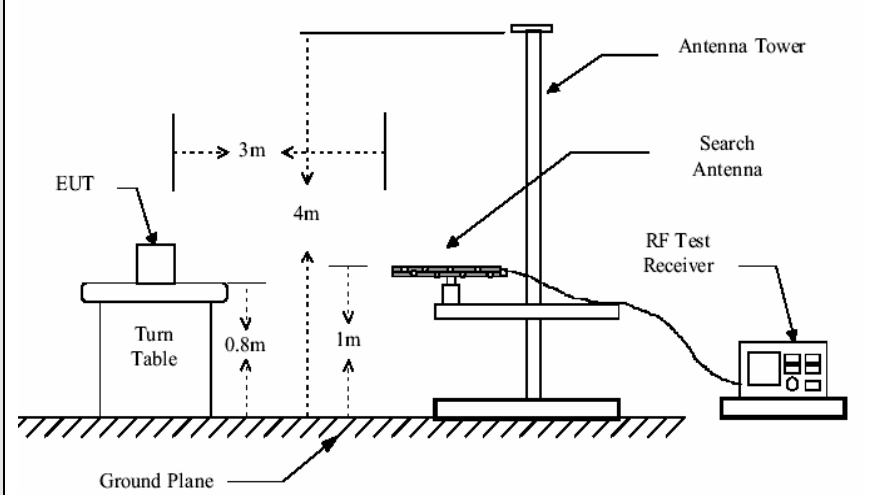
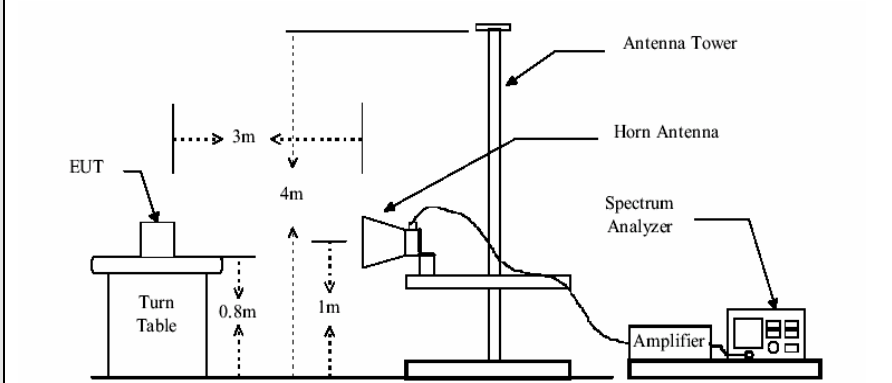
Date: 13.AUG.2010 18:33:38



Date: 13.AUG.2010 18:34:02

5.7 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.4: 2003				
Test Frequency Range:	30MHz to 25GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	30MHz-88MHz	40.0		Quasi-peak Value	
	88MHz-216MHz	43.5		Quasi-peak Value	
	216MHz-960MHz	46.0		Quasi-peak Value	
	960MHz-1GHz	54.0		Quasi-peak Value	
	Above 1GHz	54.0		Average Value	
74.0		Peak Value			
Test Procedure:	<p>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>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.</p>				

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

Note:

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

$$Final\ Test\ Level = Receiver\ Reading + Antenna\ Factor + Cable\ Factor - Preamplifier\ Factor$$

5.7.1 Radiated emission below 1GHz

Worst case:	Middle Channel
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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
31.843	25.75	13.64	30.05	0.61	18.55	40.0	-21.45	Vertical
36.127	25.74	14.29	28.46	0.63	17.64	40.0	-22.36	Vertical
96.436	25.67	14.18	27.45	1.12	17.08	43.5	-26.42	Vertical
176.888	25.63	14.07	26.92	1.67	17.03	43.5	-26.47	Vertical
317.701	25.58	16.76	26.66	2.11	19.95	46.0	-26.05	Vertical
747.483	25.52	23.52	26.58	3.03	27.61	46.0	-18.39	Vertical
39.576	25.73	15.54	25.45	0.64	15.90	40.0	-24.1	Horizontal
104.536	25.66	12.18	26.40	1.19	14.11	43.5	-29.39	Horizontal
199.286	25.62	11.44	26.54	1.77	14.13	43.5	-29.37	Horizontal
270.375	25.59	13.57	25.39	2.00	15.37	46.0	-30.63	Horizontal
684.745	25.53	26.78	24.55	2.89	28.69	46.0	-17.31	Horizontal
763.376	25.52	29.62	24.73	3.07	31.90	46.0	-14.1	Horizontal

5.7.2 Transmitter emission above 1GHz

Test channel:	Lowest	Remark:	Peak
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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	44.99	41.29	74	-32.71	Vertical
2398.25	6.34	30.03	38.87	45.36	42.86	74	-31.14	Vertical
2400.00	6.34	30.03	38.87	45.29	42.79	74	-31.21	Vertical
4810.00	9.36	34.25	41.53	43.45	45.53	74	-28.47	Vertical
7215.00	13.38	37.23	40.98	46.15	55.78	74	-18.22	Vertical
9620.00	13.39	37.99	37.56	41.62	55.44	74	-18.56	Vertical
12025.00	16.45	39.10	39.09	42.48	58.94	74	-15.06	Vertical
2327.75	6.02	29.76	39.75	45.69	41.72	74	-32.28	Horizontal
2398.25	6.34	30.03	38.87	45.61	43.11	74	-30.89	Horizontal
2400.00	6.34	30.03	38.87	45.56	43.06	74	-30.94	Horizontal
4810.00	9.36	34.25	41.53	44.06	46.14	74	-27.86	Horizontal
7215.00	13.38	37.23	40.98	45.66	55.29	74	-18.71	Horizontal
9620.00	13.39	37.99	37.56	41.69	55.51	74	-18.49	Horizontal
12025.00	16.45	39.10	39.09	42.16	58.62	74	-15.38	Horizontal

Test channel:	Lowest	Remark:	Average
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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
2327.75	6.02	29.76	39.75	32.80	28.83	54	-25.17	Vertical
2398.25	6.34	30.03	38.87	32.84	30.34	54	-23.66	Vertical
2400.00	6.34	30.03	38.87	32.88	30.38	54	-23.62	Vertical
4810.00	9.36	34.25	41.53	32.54	34.62	54	-19.38	Vertical
7215.00	13.38	37.23	40.98	33.14	42.77	54	-11.23	Vertical
9620.00	13.39	37.99	37.56	29.35	43.17	54	-10.83	Vertical
12025.00	16.45	39.10	39.09	28.50	44.96	54	-9.04	Vertical
2327.75	6.02	29.76	39.75	32.71	28.74	54	-25.26	Horizontal
2398.25	6.34	30.03	38.87	32.85	30.35	54	-23.65	Horizontal
2400.00	6.34	30.03	38.87	32.88	30.38	54	-23.62	Horizontal
4810.00	9.36	34.25	41.53	32.57	34.65	54	-19.35	Horizontal
7215.00	13.38	37.23	40.98	33.12	42.75	54	-11.25	Horizontal
9620.00	13.39	37.99	37.56	29.33	43.15	54	-10.85	Horizontal
12025.00	16.45	39.10	39.09	29.02	45.48	54	-8.52	Horizontal

Test channel:	Middle	Remark:	Peak
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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	44.73	42.23	74	-31.77	Vertical
2483.5	6.22	30.32	39.53	49.93	46.94	74	-27.06	Vertical
4880.0	10.57	34.35	40.33	45.83	50.42	74	-23.58	Vertical
7320.0	12.91	37.31	40.40	47.53	57.35	74	-16.65	Vertical
9760.0	13.89	38.03	37.94	41.71	55.69	74	-18.31	Vertical
12200.0	17.95	39.23	39.30	42.49	60.37	74	-13.63	Vertical
2400.0	6.34	30.03	38.87	45.35	42.85	74	-31.15	Horizontal
2483.5	6.22	30.32	39.53	48.28	45.29	74	-28.71	Horizontal
4880.0	10.57	34.35	40.33	43.80	48.39	74	-25.61	Horizontal
7320.0	12.91	37.31	40.40	46.79	56.61	74	-17.39	Horizontal
9760.0	13.89	38.03	37.94	41.61	55.59	74	-18.41	Horizontal
12200.0	17.95	39.23	39.30	42.98	60.86	74	-13.14	Horizontal

Test channel:	Middle	Remark:	Average
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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	32.61	30.11	54	-23.89	Vertical
2483.5	6.22	30.32	39.53	32.63	29.64	54	-24.36	Vertical
4880.0	10.57	34.35	40.33	31.88	36.47	54	-17.53	Vertical
7320.0	12.91	37.31	40.40	33.10	42.92	54	-11.08	Vertical
9760.0	13.89	38.03	37.94	29.24	43.22	54	-10.78	Vertical
12200.0	17.95	39.23	39.30	28.69	46.57	54	-7.43	Vertical
2400.0	6.34	30.03	38.87	32.55	30.05	54	-23.95	Horizontal
2483.5	6.22	30.32	39.53	32.60	29.61	54	-24.39	Horizontal
4880.0	10.57	34.35	40.33	31.89	36.48	54	-17.52	Horizontal
7320.0	12.91	37.31	40.40	33.10	42.92	54	-11.08	Horizontal
9760.0	13.89	38.03	37.94	29.21	43.19	54	-10.81	Horizontal
12200.0	17.95	39.23	39.30	28.67	46.55	54	-7.45	Horizontal

Test channel:	Highest	Remark:	Peak
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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	54.09	51.10	74	-22.90	Vertical
2500.0	5.76	30.37	39.15	45.47	42.45	74	-31.55	Vertical
4960.0	10.43	34.45	41.03	45.43	49.28	74	-24.72	Vertical
7440.0	12.72	37.37	40.01	47.00	57.08	74	-16.92	Vertical
9920.0	14.24	38.08	37.78	41.65	56.19	74	-17.81	Vertical
12400.0	17.55	39.34	39.48	42.08	59.49	74	-14.51	Vertical
2483.5	6.22	30.32	39.53	46.91	43.92	74	-30.08	Horizontal
2500.0	5.76	30.37	39.15	46.71	43.69	74	-30.31	Horizontal
4960.0	10.43	34.45	41.03	44.50	48.35	74	-25.65	Horizontal
7440.0	12.72	37.37	40.01	46.17	56.25	74	-17.75	Horizontal
9920.0	14.24	38.08	37.78	41.09	55.63	74	-18.37	Horizontal
12400.0	17.55	39.34	39.48	42.64	60.05	74	-13.95	Horizontal

Test channel:	Highest	Remark:	Average
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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	32.72	29.73	54	-24.27	Vertical
2500.0	5.76	30.37	39.15	32.77	29.75	54	-24.25	Vertical
4960.0	10.43	34.45	41.03	32.04	35.89	54	-18.11	Vertical
7440.0	12.72	37.37	40.01	33.22	43.30	54	-10.70	Vertical
9920.0	14.24	38.08	37.78	28.54	43.08	54	-10.92	Vertical
12400.0	17.55	39.34	39.48	28.91	46.32	54	-7.68	Vertical
2483.5	6.22	30.32	39.53	32.68	29.69	54	-24.31	Horizontal
2500.0	5.76	30.37	39.15	32.74	29.72	54	-24.28	Horizontal
4960.0	10.43	34.45	41.03	32.99	36.84	54	-17.16	Horizontal
7440.0	12.72	37.37	40.01	33.23	43.31	54	-10.69	Horizontal
9920.0	14.24	38.08	37.78	28.55	43.09	54	-10.91	Horizontal
12400.0	17.55	39.34	39.48	28.92	46.33	54	-7.67	Horizontal