

Global United Technology Services Co., Ltd.

Report No: GTSE11080067501

FCC REPORT

Applicant: Measurement Ltd.

BlockA, 19/F, Prince Industrial Building, 106 King Fuk Street, Address of Applicant:

San Po Kong, Kowloon

Equipment Under Test (EUT)

Product Name: Cybertecture Mirror BF scale with RF

Model No.: MS-2595

Trade Mark: Cybertecture Mirror

FCC ID: **UUIMS-2595**

FCC CFR Title 47 Part 15 Subpart C Section 15.249:2010 Applicable standards:

Date of sample receipt: 10 Aug., 2011

Date of Test: 19 Aug.-09 Sep., 2011

Date of report issued: 09 Sep., 2011

PASS * Test Result:

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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2 Version

Version No.	Date	Description
00	09 Sep., 2011	Original

Prepared By:	Collan. He	Date:	09 Sep., 2011	
	Project Engineer	_		
Check By:	Hams. Hu	Date:	09 Sep., 2011	
	Reviewer	_		_



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4 Test Summary

Test Item	Section in CFR 47	Result	
Antenna requirement	15.203	Pass	
Field strength of the fundamental signal	15.249 (a)	Pass	
Spurious emissions	15.249 (a) (d)/15.209	Pass	
Band edge (Radiated Emission)	15.249 (d)/15.205	Pass	
20dB Occupied Bandwidth	15.215 (c)	Pass	

Remark:

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

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5 General Information

5.1 Client Information

Applicant:	Measurement Ltd.
Address of Applicant:	BlockA, 19/F, Prince Industrial Building, 106 King Fuk Street, San Po Kong, Kowloon
Manufacturer:	Display Electronics (Songgang) Mfg.co.
Address of Manufacturer:	No.1, Fifth Road, Yangyong Industrial park, Shapu
	Community Songgan, Baoan Shenzhen
Factory:	Display Electronics (Songgang) Mfg.co.
Address of Factory:	No.1. Fifth Road, Yangyong Industrial park, Shapu
	Community Songgan, Baoan Shenzhen

5.2 General Description of E.U.T.

Product Name:	Cybertecture Mirror BF scale with RF			
Model No.:	MS-2595			
Trade Mark	Cybertecture Mirror			
Operation Frequency:	2402.37MHz~2464.84MHz			
Test Frequency:	Lowest channel=2402.37MHz			
	Middle channel=2429.86MHz			
	Highest channel=2464.84MHz			
Modulation type:	GFSK			
Antenna Type:	Integral			
Antenna gain:	2dBi			
Power supply:	DC 9.0V ("6F22" size battery)			

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5.3 Test mode

Transmitting mode Keep the EUT in transmitting continuously mode.

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 fully 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 Other Information Requested by the Customer

None.

Global United Technology Services Co., Ltd. 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

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5.8 Test Instruments list

Radia	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 2012			
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	Sept. 10 2010	Sept. 09 2011			
4	BiConiLog Antenna SCHWARZBECK MESS-ELEKTRONIK		VULB9163	GTS214	Feb. 26 2011	Feb. 25 2012			
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	Aug. 03 2011	Aug. 02 2012			
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	Aug. 03 2011	Aug. 02 2012			
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
8	Coaxial Cable	GTS	N/A	GTS213	Apr. 01 2011	Mar. 31 2012			
9	Coaxial Cable	GTS	N/A	GTS211	Apr. 01 2011	Mar. 31 2012			
9	Coaxial cable	GTS	N/A	GTS210	Apr. 01 2011	Mar. 31 2012			
11	Coaxial Cable	GTS	N/A	GTS212	Apr. 01 2011	Mar. 31 2012			
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	Aug. 03 2011	Aug. 02 2012			
13	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	Aug. 03 2011	Aug. 02 2012			
14	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Aug. 03 2011	Aug. 02 2012			
15	Band filter	Amindeon	82346	GTS219	Aug. 03 2011	Aug. 02 2012			

Cond	Conducted Emission:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	GTS206	Jul. 04 2011	Jul. 03 2012		
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS208	Jul. 04 2011	Jul. 03 2012		
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS209	Jul. 04 2011	Jul. 03 2012		
4	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS207	Jul. 04 2011	Jul. 03 2012		
5	Coaxial Cable	GTS	N/A	GTS406	Jul. 04 2011	Jul. 03 2012		
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		

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6 Test results and Measurement Data

6.1 Antenna requirement:

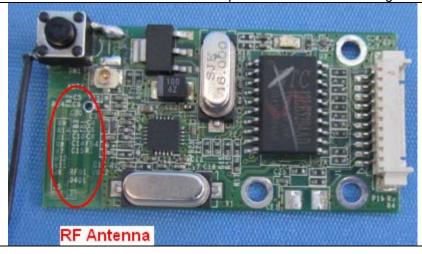
Standard requirement: FCC Part15 C Section 15.203

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:

The antenna is no consideration of replacement. The best case gain of the antenna is 2dBi.



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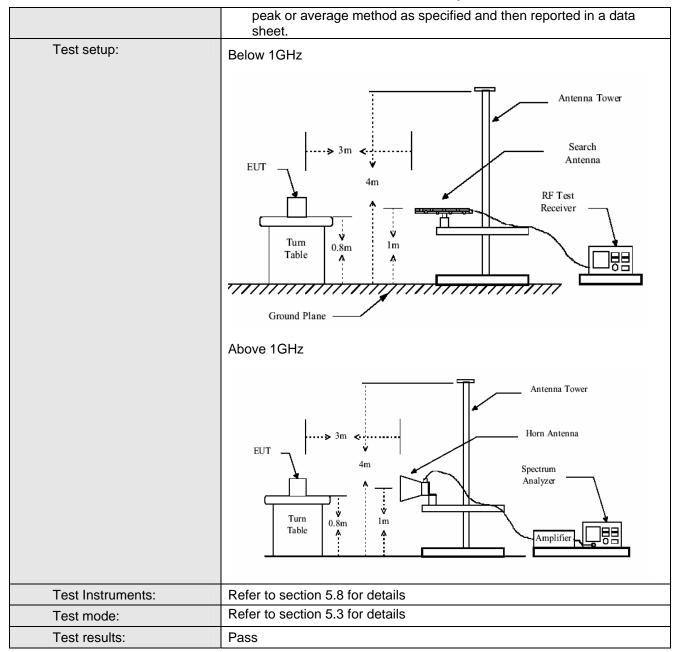
6.2 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.249 and 15.209					
Test Method:	ANSI C63.4:200	03				
Test Frequency Range:	30MHz to 25000	0MHz				
Test site:	Measurement D	istance: 3m (Semi-Anecho	ic Chambe	r)	
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:	Гиоли		Limeit (dD:)//	/ma @ 2 ma \	Damark	
(Field strength of the	Freque	ency	Limit (dBuV/ 94.0		Remark Average Value	
fundamental signal)	2400MHz-24	ŀ83.5MHz -	114.		Peak Value	
Limit:			114.	<u> </u>	1 can value	
(Spurious Emissions)	Freque	ency	Limit (dBuV/	m @3m)	Remark	
(Opunous Emissions)	30MHz-8	8MHz	40.0)	Quasi-peak Value	
	88MHz-21		43.5	5	Quasi-peak Value	
	216MHz-9		46.0		Quasi-peak Value	
	960MHz-1GHz 54.0 Quasi-					
	Above 1	GHz		Average Value		
Limit:	Emissions radiated outside of the specified frequency bands, except for					
(band edge)	harmonics, sha fundamental or	II be attenuate to the genera	ed by at leas I radiated em	t 50 dB be	solow the level of the s in Section 15.209,	
Test Procedure:	 whichever is the lesser attenuation. 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- 					

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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

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Measurement Data

6.2.1 Field Strength Of The Fundamental Signal

Peak value:

T Car value.								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.37	77.23	27.58	3.37	30.06	78.12	114.00	-35.88	Horizontal
2402.37	79.56	27.58	3.37	30.06	80.45	114.00	-33.55	Vertical
2429.86	80.94	27.52	3.40	30.02	81.84	114.00	-32.16	Horizontal
2429.86	83.40	27.52	3.40	30.02	84.30	114.00	-29.70	Vertical
2464.84	80.64	27.49	3.46	29.96	81.63	114.00	32.37	Horizontal
2464.84	82.97	27.49	3.46	29.96	83.96	114.00	30.04	Vertical

Average value:

	, trotago raido.							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.37	67.64	27.58	3.37	30.06	68.53	94.00	-25.47	Horizontal
2402.37	70.19	27.58	3.37	30.06	71.08	94.00	-22.92	Vertical
2429.86	73.53	27.52	3.40	30.02	74.43	94.00	-19.57	Horizontal
2429.86	75.89	27.52	3.40	30.02	76.79	94.00	-17.21	Vertical
2464.84	71.22	27.49	3.46	29.96	72.21	94.00	21.79	Horizontal
2464.84	73.56	27.49	3.46	29.96	74.55	94.00	19.45	Vertical

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6.2.2 Spurious Emissions

30MHz~1GHz		
Test mode:	Transmitting	

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
35.50	39.80	13.24	0.62	32.20	21.46	40.00	-18.54	Vertical
103.81	46.74	11.79	1.19	31.72	28.00	43.50	-15.50	Vertical
143.83	52.15	6.86	1.48	31.95	28.54	43.50	-14.96	Vertical
244.23	49.12	9.58	1.93	32.28	28.35	46.00	-17.65	Vertical
331.36	44.32	11.85	2.13	32.31	25.99	46.00	-20.01	Vertical
782.35	37.06	18.75	3.12	31.53	27.40	46.00	-18.60	Vertical
35.13	39.57	10.55	0.62	32.20	18.54	40.00	-21.46	Horizontal
112.13	52.84	10.34	1.25	31.76	32.67	43.50	-10.83	Horizontal
143.83	54.39	9.55	1.48	31.95	33.47	43.50	-10.03	Horizontal
239.99	51.61	10.14	1.92	32.28	31.39	46.00	-14.61	Horizontal
416.18	45.32	15.08	2.28	32.19	30.49	46.00	-15.51	Horizontal
734.49	36.89	22.48	3.01	31.63	30.75	46.00	-15.25	Horizontal

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

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.74	43.85	31.78	5.32	24.09	56.86	74.00	-17.14	Vertical
7207.11	43.03	36.15	6.87	26.38	59.67	74.00	-14.33	Vertical
9609.48	39.49	37.95	8.94	25.40	60.98	74.00	-13.02	Vertical
12050.00	*					74.00		Vertical
14460.00	*					74.00		Vertical
4804.74	41.47	31.78	5.32	24.09	54.48	74.00	-19.52	Horizontal
7207.11	41.02	36.15	6.87	26.38	57.66	74.00	-16.34	Horizontal
9609.48	36.94	37.95	8.94	25.40	58.43	74.00	-15.57	Horizontal
12050.00	*					74.00		Horizontal
14460.00	*					74.00		Horizontal

Test mode:	Tran	smitting	Test char	nnel:	Lowest	Remark:	av	verage
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.74	31.27	31.78	5.32	24.09	44.28	54.00	-9.72	Vertical
7207.11	29.17	36.15	6.87	26.38	45.81	54.00	-8.19	Vertical
9609.48	25.08	37.95	8.94	25.40	46.57	54.00	-7.43	Vertical
12050.00	*					54.00		Vertical
14460.00	*					54.00		Vertical
4804.74	28.63	31.78	5.32	24.09	41.64	54.00	-12.36	Horizontal
7207.11	27.21	36.15	6.87	26.38	43.85	54.00	-10.15	Horizontal
9609.48	22.78	37.95	8.94	25.40	44.27	54.00	-9.73	Horizontal
12050.00	*					54.00		Horizontal
14460.00	*					54.00		Horizontal

Remark:

- 1. "*", means this data is the too weak instrument of signal is unable to test.
- 2. Final Test Level =Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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average

Remark:

Test mode:	Tran	smitting	Test cha	nnel: N	/liddle	Remark:	Pe	ak
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4859.72	39.00	31.82	5.38	24.03	52.17	74.00	-21.83	Vertical
7289.58	42.69	36.28	6.89	26.54	59.32	74.00	-14.68	Vertical
9719.44	38.53	38.20	8.99	25.32	60.40	74.00	-13.60	Vertical
12200.00	*					74.00		Vertical
14640.00	*					74.00		Vertical
4859.72	36.45	31.82	5.38	24.03	49.62	74.00	-24.38	Horizontal
7289.58	40.51	36.28	6.89	26.54	57.14	74.00	-16.86	Horizontal
9719.44	36.30	38.20	8.99	25.32	58.17	74.00	-15.83	Horizontal
12200.00	*					74.00		Horizontal
14640.00	*					74.00		Horizontal

		9					۵.,	J. 4.9 C
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4859.72	28.60	31.82	5.38	24.03	41.77	54.00	-12.23	Vertical
7289.58	29.24	36.28	6.89	26.54	45.87	54.00	-8.13	Vertical
9719.44	24.46	38.20	8.99	25.32	46.33	54.00	-7.67	Vertical
12200.00	*					54.00		Vertical
14640.00	*					54.00		Vertical
4859.72	26.29	31.82	5.38	24.03	39.46	54.00	-14.54	Horizontal
7289.58	26.73	36.28	6.89	26.54	43.36	54.00	-10.64	Horizontal
9719.44	22.24	38.20	8.99	25.32	44.11	54.00	-9.89	Horizontal
12200.00	*					54.00		Horizontal
14640.00	*					54.00		Horizontal

Remark

Test mode:

- 1. "*", means this data is the too weak instrument of signal is unable to test.
- 2. Final Test Level =Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor

Transmitting Test channel: Middle

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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average

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Remark:

Test mode:	Tran	smitting	Test char	nnel:	Highest	Remark:	Pe	eak
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	i i evei	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4929.68	43.35	31.90	5.46	23.96	56.75	74.00	-17.25	Vertical
7394.52	41.25	36.52	6.93	26.84	57.86	74.00	-16.14	Vertical
9859.36	36.83	38.62	9.05	25.25	59.25	74.00	-14.75	Vertical
12350.00	*					74.00		Vertical
14820.00	*					74.00		Vertical
4929.68	41.08	31.90	5.46	23.96	54.48	74.00	-19.52	Horizontal
7394.52	39.00	36.52	6.93	26.84	55.61	74.00	-18.39	Horizontal
9859.36	34.60	38.62	9.05	25.25	57.02	74.00	-16.98	Horizontal
12350.00	*					74.00		Horizontal
14820.00	*					74.00		Horizontal

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4929.68	30.62	31.90	5.46	23.96	44.02	54.00	-9.98	Vertical
7394.52	29.19	36.52	6.93	26.84	45.80	54.00	-8.20	Vertical
9859.36	24.54	38.62	9.05	25.25	46.96	54.00	-7.04	Vertical
12350.00	*					54.00		Vertical
14820.00	*					54.00		Vertical
4929.68	28.34	31.90	5.46	23.96	41.74	54.00	-12.26	Horizontal
7394.52	26.93	36.52	6.93	26.84	43.54	54.00	-10.46	Horizontal
9859.36	22.30	38.62	9.05	25.25	44.72	54.00	-9.28	Horizontal
12350.00	*					54.00		Horizontal
14820.00	*					54.00		Horizontal

Highest

Remark:

Test mode:

1. "*", means this data is the too weak instrument of signal is unable to test.

Transmitting

2. Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

Test channel:

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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6.2.3 Bar	6.2.3 Band edge (Radiated Emission)											
Test mode:												
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization				
2390.00	44.00	27.59	3.33	30.10	44.82	74.00	-29.18	Horizontal				
2400.00	52.78	27.58	3.37	30.06	53.67	74.00	-20.33	Horizontal				
2390.00	46.36	27.59	3.33	30.10	47.18	74.00	-26.82	. Vertical				
2400.00	55.09	27.58	3.37	30.06	55.98	74.00	-18.06	Vertical				

Test mode:	Tran	nsmitting Test channel: Lowest Remar		Remark:		Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 4/4	Limit Line (dBuV/m)	Over Limit (dB)	
2390.00	33.88	27.59	3.33	30.10	34.70	54.00	-19.3	0 Horizontal
2400.00	38.81	27.58	3.37	30.06	39.70	54.00	-14.3	0 Horizontal
2390.00	36.13	27.59	3.33	30.10	36.95	54.00	-17.0	5 Vertical
2400.00	41.26	27.58	3.37	30.06	42.15	54.00	-11.8	9 Vertical

Test mode:	Trar	nsmitting	Test cha	Test channel: Highest Rema		Remark:		Peak
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	1 4/4	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	45.38	27.52	3.49	29.93	46.46	74.00	-27.54	Horizontal
2500.00	44.38	27.56	3.52	30.68	44.78	74.00	-29.22	. Horizontal
2483.50	47.69	27.52	3.49	29.93	48.77	74.00	-25.23	Vertical
2500.00	46.67	27.56	3.52	30.68	47.07	74.00	-26.93	Vertical

Test mode:	Т	ransmitting	Test cha	nnel: Highest		Remark:	Remark: Average	
Frequency (MHz)	Read Leve (dBu\	el Factor	Cable Loss (dB)	Preamp Factor (dB)	i evei	Limit Line (dBuV/m)	Ove Limi (dB)	t Polarization
2483.50	35.2	4 27.52	3.49	29.93	36.32	54.00	-17.6	8 Horizontal
2500.00	33.8	5 27.56	3.52	30.68	34.25	54.00	-19.7	75 Horizontal
2483.50	37.5	6 27.52	3.49	29.93	38.64	54.00	-15.3	6 Vertical
2500.00	36.1	5 27.56	3.52	30.68	36.55	54.00	-17.4	5 Vertical

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6.3 20dB Bandwidth

Test Requirement:	FCC Part15 C Section 15.249/15.215		
Test Method:	ANSI C63.4:2003		
Receiver setup:	RBW=30KHz, VBW=100KHz, detector: Peak		
Limit:	Operation Frequency range 2400MHz-2483.5MHz		
Test Procedure:	 According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set the EUT to proper test channel. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. Read 20dB bandwidth. 		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		

Measurement Data

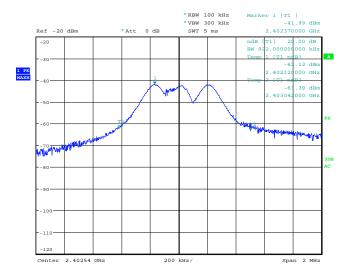
Test channel	20dB bandwidth (MHz)	Results	
Lowest	0.922	Pass	
Middle	0.968	Pass	
Highest	0.862	Pass	

Test plot as follows:

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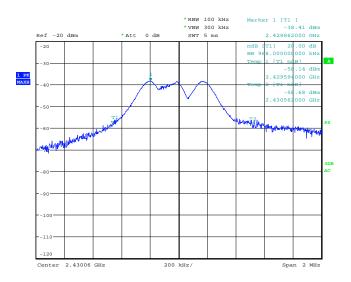


Test channel: Lowest



Date: 8.SEP.2011 16:06:11

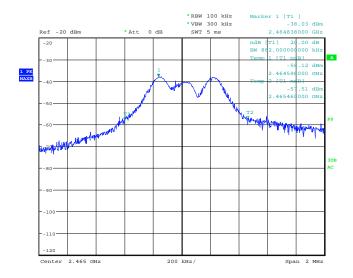
Test channel: Middle



Date: 8.SEP.2011 15:41:36



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Test channel:	l Highest	
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Date: 8.SEP.2011 16:44:05