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Report No.: SZEMO09040164901

Fax: +86 (0) 755 2671 0594 Page: 1 of 30 FCC ID: VUY1078B

TEST REPORT

Application No.: SZEMO090401649RF **Applicant:** Vocentrix(HK)Limited

Factory: Dongguan Tangxia Chengde Electron Factory

FCC ID: VUY1078B

Fundamental Carrier 2.410GHz to 2.470GHz

Frequency:

Equipment Under Test (EUT):

Name: Baby monitor Model: 08280 B

Standards: FCC PART 15, SUBPART C :(Section 15.247)

Date of Receipt: 15 April 2009

Date of Test: 15 to 27 April 2009

Date of Issue: 30 April 2009

Test Result : PASS *

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

Robinson Lo Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.



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2 Test Summary

The customer requested FO	CC tests for Baby monitor.		
Test	Test Requirement	Standard Paragraph	Result
Conducted Emission (150KHz to 30MHz)	FCC PART 15	Section 15.207	PASS
Radiated Emission (30MHz to 25GHz)	FCC PART 15	Section 15.209 Section 15:205	PASS
Maximum Peak Output Power	FCC PART 15	Section 15.247 (b)	PASS
Occupied Bandwidth	FCC PART 15	Section 15.247 (b)	PASS
Band Edges Measurement	FCC PART 15	Section 15.247 (c)	PASS
Power Spectral Density Measurement	FCC PART 15	Section 15.247 (d)	PASS



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4 General Information

4.1 Client Information

Applicant Name: Vocentrix(HK)Limited

Address of Applicant: Rm5-6,11/F, Harry Ind. Build.49-51 Au Pui Wan St, Fotan, HK

Factory Name: Dongguan Tangxia Chengde Electron Factory

Address of Factory: 112, Arising Sun Ind. City. lincun, Tangxia, Dongguan, China.

4.2 General Description of E.U.T

Product Name: Baby monitor Model: 08280 B

AC adapter: Input:100-240V 0.3A 50/60Hz

Output: DC 5V 1.0A

Power Supply: DC4.5V(3*1.5(AA) Size Batteries)

Power Cord: DC cord is 2m.

4.3 Description of Support Units

None.

4.4 Standards Applicable for Testing

The customer requested FCC tests for Baby monitor

The standard used was FCC PART 15, SUBPART C section 15.247and ANSI C63.4:2003 & KDB558074.

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory,

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

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.6 Other Information Requested by the Customer

None.

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4.7 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 I 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 Standarc 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 registere 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 I registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing Registration No.: 4620C-1.



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5 Test Results

5.1 Test Instruments

	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	16-06-2007	15-06-2009
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	12-12-2008	11-12-2009
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	Coaxial cable	SGS	N/A	SEL0028	18-06-2008	17-06-2009
5	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0014	12-08-2008	11-08-2009
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	18-06-2008	17-06-2009
7	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0005	12-08-2008	11-08-2009
8	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	12-08-2008	11-08-2009
9	Pre-amplifier (1-18GHz)	Rohde & Schwarz	AFS42-00101 800-25-S-42	SEL0081	18-06-2008	17-06-2009
10	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33- 18002650-30- 8P-44	SEL0080	18-06-2008	17-06-2009
11	Band filter	Amindeon	82346	SEL0094	18-06-2008	17-06-2009
12	Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	15-06-2008	14-06-2009

	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	GB-88	SEL0042	N/A	N/A							
2	LISN	ETS-LINDGREN	3816/2	SEL0021	18-06-2008	17-06-2009							
3	ISN	Rohde & Schwarz	ENY 22 1109	EMC0114	18-06-2008	17-06-2009							
4	ISN	Rohde & Schwarz	ENY 41 1110	EMC0115	18-06-2008	17-06-2009							
5	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	18-06-2008	17-06-2009							
6	Coaxial Cable	SGS	N/A	SEL0024	18-06-2008	17-06-2009							

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5.2 E.U.T. Operation

Power supply: Input:100-240V 0.3A 50/60Hz

Output: DC 5V 1.0A

DC4.5V(3*1.5(AA) Size Batteries)

Operating Environment:

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

EUT Operation: Test the EUT as a product which Direct Sequence Spread Spectrum.

The total channels are 13 channels (1 to 13 channels), the fundamental frequencies are from 2.410GHz to 2.470GHz.

The test procedure provided by applicant enabled the EUT to transmit

and receive data

at lowest (**Channel 1: 2.410GHz**), middle (**Channel 7: 2.445GHz**) and highest channel (**Channel 13: 2.470GHz**), frequencies individually.



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5.3 Test Result

5.3.1 Conducted Emissions Mains Terminals, 150kHz to 30MHz

Test Requirement: FCC Part15 B
Test Method: ANSI C63.4

Frequency Range: 150KHz to 30MHz

Class / Severity: Class B

Detector: Peak for pre-scan (9kHz Resolution Bandwidth)

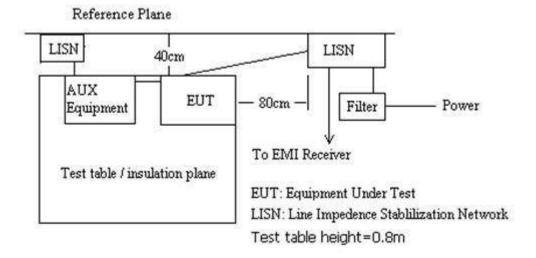
Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit

Operating Environment:

Temperature: 26.0 °C Humidity: 73 % RH Atmospheric Pressure: 1005 mbar

EUT Operation: Test the EUT in normal operation mode.

Plan View of Test Setup



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.

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

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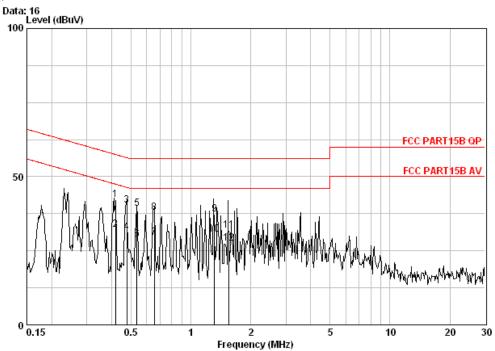
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Quasi-peak and Average measurement:

Live Line:

Peak Scan:



Site : Shielding Room

Condition : FCC PART15B QP CE LINE EUT : BABY MONITOR

Job No. : 1650RF Mode : CHARGER

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 2 3 4 5 6 7 8	Ø	0.41750 0.41750 0.47640 0.47640 0.53470 0.53470 0.65470	0.06 0.06 0.06 0.06 0.06 0.06	-0.04 -0.04 -0.04 -0.04 -0.04 -0.05 -0.05	42.10 32.10 40.30 31.20 39.30 28.80 29.40 37.90	42.11 32.11 40.32 31.22 39.32 28.82 29.41 37.91	47.50 56.40 46.40 56.00 46.00	-16.09 -15.19 -16.68 -17.18	Average QP Average QP Average Average
9 10 11 12		1.315 1.315 1.554 1.554	0.09 0.09 0.10 0.10	-0.05 -0.05 -0.06 -0.06	37.40 30.40 31.90 27.50	37.44 30.44 31.95 27.55	46.00 56.00	-24.05	Average

FCC ID: VUY1078B

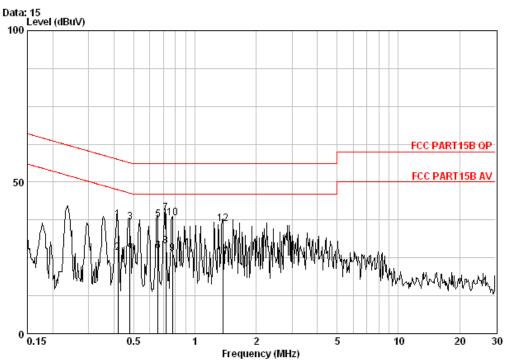


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Quasi-peak and Average measurement: Neutral Line

Peak Scan:



Site : Shielding Room

Condition : FCC PART15B QP CE NEUTRAL

EUT : BABY MONITOR
Job No. : 1650RF
Mode : CHARGER

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.41870	0.06	-0.04	37.70	37.72	57.47	-19.76	QP
2	0.41870	0.06	-0.04	26.60	26.62	47.47	-20.86	Average
3	0.47910	0.06	-0.04	36.90	36.92	56.35	-19.44	QP
4	0.47910	0.06	-0.04	27.20	27.22	46.35	-19.14	Average
5	0.65670	0.06	-0.04	37.70	37.72	56.00	-18.28	QP
6	0.65670	0.06	-0.04	27.10	27.12	46.00	-18.88	Average
7	0.71780	0.06	-0.04	39.70	39.72	56.00	-16.28	QP
8	0.71780	0.06	-0.04	28.80	28.82	46.00	-17.18	Average
9	0.77480	0.07	-0.04	26.40	26.42	46.00	-19.58	Average
10	0.77480	0.07	-0.04	38.10	38.12	56.00	-17.88	QP
11	1.375	0.10	-0.05	25.40	25.45	46.00	-20.55	Average
12	1.375	0.10	-0.05	36.10	36.15	56.00	-19.85	QP

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5.3.2 Radiated Emissions

Test Requirement: FCC 15.209 and 15.205

Test Method: ANSI C63.4:2003 & KDB558074.

Measurement Distance: 3m (Semi-Anechoic Chamber)

Frequency range 30 MHz – 25GHz for transmitting mode.

The EUT was setup to ANSI C63.4, 2003, tested to KDB558074.for compliance to FCC 47CFR

15.247 requirements. 30MHz to 25GHz

30MHz-1000MHz: Quasi-peak RBW=100KHz, VBW=300KHz

Above 1GHz: PK RBW=1MHz, VBW=3MHz Average RBW=1MHz, VBW=10Hz

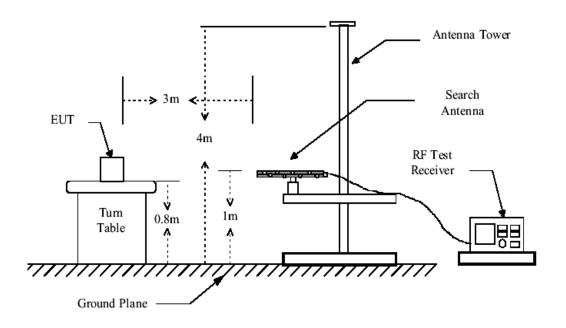
Receive antenna scan height 1 m - 4 m, polarization Vertical / Horizontal

Limit: 40.0 dBµV/m between 30MHz & 88MHz

 $43.5~dB\mu V/m$ between 88MHz~&~216MHz $46.0~dB\mu V/m$ between 216MHz~&~960MHz

above 960MHz: Average value Limit 54.0 dB μ V/m Peak value Limit 74.0 dB μ V/m.

Test Configuration:

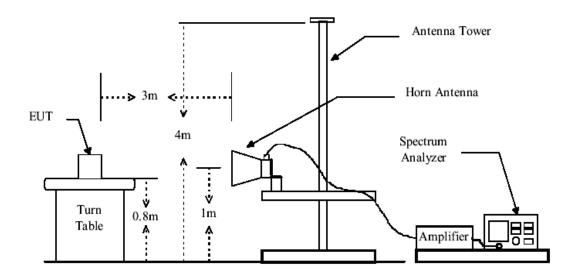


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Test Procedure: The procedure used was ANSI Standard C63.4-2003. The receiver was scanned from 30MHz to 25GHz. When an emission was found, the table was orated to produce the maximum signal strength. An initial pre-scan was performed for in peak detection mode using the receiver. The EUT was measured for both the Horizontal and Vertical polarities and performed a pre-test three orthogonal planes. For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. The worst case emissions were reported.



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5.3.3 Radiated emission below 1GHz

Test in normal operation mode, and baby part connected with parent part.

Horizontal

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)
32.910	0.60	13.84	28.16	28.01	14.29	40	-25.71
160.950	1.34	9.59	27.38	31.05	14.60	43.5	-28.90
229.820	1.57	11.64	27.00	51.48	37.69	46	-8.31
742.950	3.03	21.67	27.13	27.95	25.52	46	-20.48
916.580	3.62	23.26	26.43	28.18	28.63	46	-17.37

Vertical

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)
32.910	0.60	13.91	28.16	35.80	22.15	40	-17.85
55.220	0.80	7.56	28.08	38.19	18.47	40	-21.53
229.820	1.57	11.64	27.00	40.73	26.94	46	-19.06
781.750	3.15	22.02	27.00	27.65	25.82	46	-20.18
901.060	3.60	23.21	26.43	36.20	36.58	46	-9.42

N/A: refer to remark 1).



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5.3.4 Transmitter emission above 1GHz

The lowest channel

Horizontal

Horizoniai								
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)	Remark
1544	3.81	28.22	44.72	62.65	49.96	74	-24.04	Peak
1544	3.81	28.22	44.72	49.32	36.63	54	-17.37	Average
2400	4.97	32.25	44.75	54.57	47.04	54	-6.96	Average
2400	4.97	32.25	44.75	71.85	64.32	74	-9.68	Peak
4791	6.60	34.04	45.39	67.08	62.33	74	-11.67	Peak
4791	6.60	34.04	45.39	52.18	47.43	54	-6.57	Average
7324	7.58	36.10	44.39	38.49	37.78	54	-16.22	Average
7324	7.58	36.10	44.39	49.65	48.94	74	-25.06	Peak
9772	8.65	37.12	42.06	46.54	50.25	74	-23.75	Peak
9772	8.65	37.12	42.06	35.70	39.41	54	-14.59	Average

Vertical

VCITIOAI								
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)	Remark
1510	3.76	27.93	44.73	61.30	48.26	74	-25.74	Peak
1510	3.76	27.93	44.73	51.24	38.20	54	-15.80	Average
2400	4.97	32.25	44.75	67.36	59.83	74	-14.17	Peak
2400	4.97	32.25	44.75	50.67	43.14	54	-10.86	Average
4819	6.62	34.04	45.40	69.74	65.00	74	-9.00	Peak
4819	6.62	34.04	45.40	53.34	48.60	54	-5.40	Average
7392	7.55	35.99	44.32	51.90	51.12	74	-22.88	Peak
7392	7.55	35.99	44.32	38.65	37.87	54	-16.13	Average
9534	8.46	36.92	42.28	45.21	48.31	74	-25.69	Peak
9534	8.46	36.92	42.28	38.64	41.74	54	-12.26	Average



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The Middle Channel

Horizontal

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)	Remark
2400	4.97	32.25	44.75	71.26	63.73	74	-10.27	Peak
2400	4.97	32.25	44.75	55.24	47.71	54	-6.29	Average
2483.5	5.08	32.29	44.77	52.18	44.78	54	-9.22	Average
2483.5	5.08	32.29	44.77	65.32	57.92	74	-16.08	Peak
4842	6.62	34.03	45.41	65.22	60.46	74	-13.54	Peak
4842	6.62	34.03	45.41	51.62	46.86	54	-7.14	Average
7443	7.52	35.91	44.26	39.58	38.75	54	-15.25	Average
7443	7.52	35.91	44.26	51.01	50.18	74	-23.82	Peak
9806	8.68	37.14	42.03	46.06	49.85	74	-24.15	Peak
9806	8.68	37.14	42.03	37.46	41.25	54	-12.75	Average

Vertical

vertical								
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)	Remark
2400	4.97	32.25	44.75	70.20	62.67	74	-11.33	Peak
2400	4.97	32.25	44.75	56.17	48.64	54	-5.36	Average
2483.5	5.08	32.29	44.77	56.68	49.28	54	-4.72	Average
2483.5	5.08	32.29	44.77	65.22	57.82	74	-16.18	Peak
4842	6.62	34.03	45.41	59.44	54.68	74	-19.32	Peak
4842	6.62	34.03	45.41	49.69	44.93	54	-9.07	Average
7511	7.51	35.81	44.19	41.26	40.39	54	-13.61	Average
7511	7.51	35.81	44.19	51.46	50.59	74	-23.41	Peak
9891	8.75	37.21	41.95	48.91	52.92	74	-21.08	Peak
9891	8.75	37.21	41.95	38.69	42.70	54	-11.30	Average



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The Highest Channel

Horizontal

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)	Remark
1697	4.03	29.61	44.70	52.75	41.69	74	-32.31	Peak
1697	4.03	29.61	44.70	40.29	29.23	54	-24.77	Average
2483.5	5.08	32.29	44.77	55.98	48.58	54	-5.42	Average
2483.5	5.08	32.29	44.77	64.94	57.54	74	-16.46	Peak
4910	6.65	34.02	45.43	54.96	50.20	74	-23.80	Peak
4910	6.65	34.02	45.43	48.67	43.91	54	-10.09	Average
7426	7.53	35.91	44.28	37.59	36.75	54	-17.25	Average
7426	7.53	35.91	44.28	50.41	49.57	74	-24.43	Peak
9738	8.62	37.08	42.09	46.62	50.23	74	-23.77	Peak
9738	8.62	37.08	42.09	36.68	40.29	54	-13.71	Average

Vertical

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)	Remark
1544	3.81	28.22	44.72	56.98	44.29	74	-29.71	Peak
1544	3.81	28.22	44.72	47.68	34.99	54	-19.01	Average
2483.5	5.08	32.29	44.77	50.68	43.28	54	-10.72	Average
2483.5	5.08	32.29	44.77	61.54	54.14	74	-19.86	Peak
4910	6.65	34.02	45.43	57.33	52.57	74	-21.43	Peak
4910	6.65	34.02	45.43	45.57	40.81	54	-13.19	Average
7426	7.53	35.91	44.28	38.61	37.77	54	-16.23	Average
7426	7.53	35.91	44.28	51.33	50.49	74	-23.51	Peak
9806	8.68	37.14	42.03	48.61	52.40	74	-21.60	Peak
9806	8.68	37.14	42.03	37.59	41.38	54	-12.62	Average

N/A: refer to remark 1).



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Remark:

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.

Section 15.205 Restricted bands of operation.

(a) Except as shown in paragraph (d) of this section. only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	
13.36 - 13.41	322 - 335.4		



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5.3.5 Maximum Peak Output Power

Test Requirement: FCC Part 15.247

Test Method: ANSI C63.4:2003 & KDB558074.

Requirements: Regulation 15.247 (b) The Limit of Maximum Peak Output Power

Measurement is 1W (30dBm).

Test mode: Compliance test in the worse case: Channel1, Channel 7, Channel

13.

Test Procedure:

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

Set the spectrum analyzer: RBW = 10 MHz. VBW = 10 MHz. Sweep = auto; Detector Function = Peak.

3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

Test Channel	Fundamental Frequency (GHz)	Cable loss (dB)	Output Power (dBm)	Limit (dBm)	PASS/FAIL
1	2.410	<mark>2.0</mark>	<mark>19.02</mark>	30.0	Pass
7	2.445	<mark>2.0</mark>	<mark>18.74</mark>	30.0	Pass
13	2.470	<mark>2.0</mark>	<mark>18.16</mark>	30.0	Pass

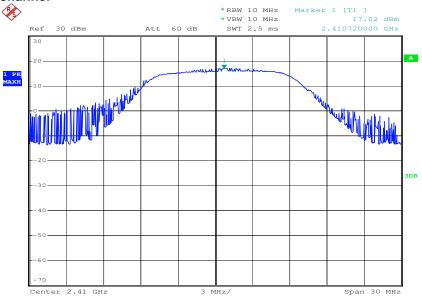


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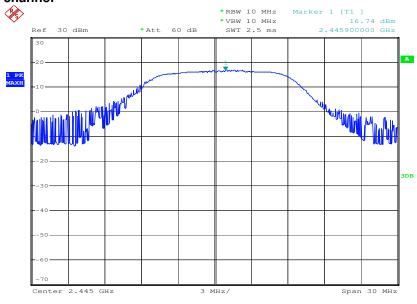
Test result plot as follows:

1 The lowest channel



Date: 16.APR.2009 16:47:35

2. The middle channel



Date: 16.APR.2009 16:52:57

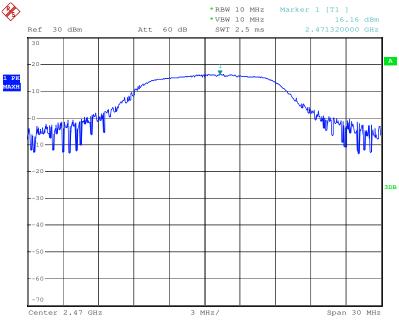
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3. The highest channel



Date: 16.APR.2009 16:30:28

TEST RESULTS: The unit does meet the FCC requirements.



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5.3.6 Occupied Bandwidth

Test Requirement: FCC Part 15 C

Test Method: ANSI C63.4:2003 & KDB558074.

Requirements: Regulation 15.247 (b) (2) Systems using digital modulation

techniques may operate in the 2400 - 2483.5 MHz band. The

minimum 6 dB bandwidth shall be at least 500 kHz.

The EUT was setup to ANSI C63.4, 2003, tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR

15.247 requirements.

The Transmitter output of EUT was connected to the spectrum analyzer. The minimum 6 dB bandwidth shall be at least 500 kHz. The setting of spectrum analyzer is as follows;

Equipment Mode	Spectrum Analyzer		
Detector Function	Peak Mode		
RBW	100KHz		
VBW	300KHz		

Test result:

Test Channel	6 dB bandwidth(KHz)	LIMIT(KHz)	PASS/FAIL
1	1620	500	Pass
7	1620	500	Pass
13	1580	500	Pass

The unit does meet the FCC requirements. Please refer the graph as below:



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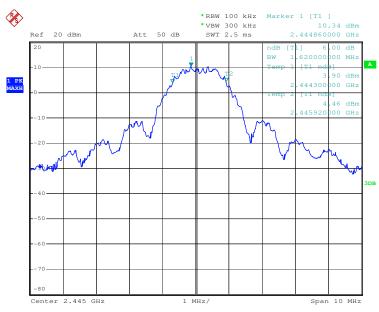
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1. Channel 1: 6dB Bandwidth



Date: 13.MAY.2009 14:57:49

2. Channel 7: 6dB Bandwidth



Date: 13.MAY.2009 14:59:55

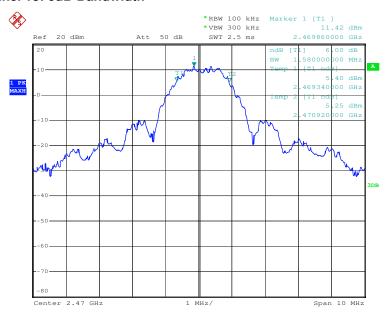
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3. Channel 13: 6dB Bandwidth



Date: 13.MAY.2009 14:55:34

The unit does meet the FCC requirements.



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5.3.7 Band Edges Requirement

Test Requirement: FCC Part 15 C

Test Method: ANSI C63.4:2003 & KDB558074.

Operation within the band 2400 - 2483.5 MHz

Procedure: The EUT was setup to ANSI C63.4, 2003, tested to DTS test procedure of Oct

2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Spectrum: 30 MHz - 1000 MHz: RBW=100KHz, VBW=300KHz

above 1GHz Peak RBW=100KHz, VBW=300KHz

Requirements: Section 15.247 (d) 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. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

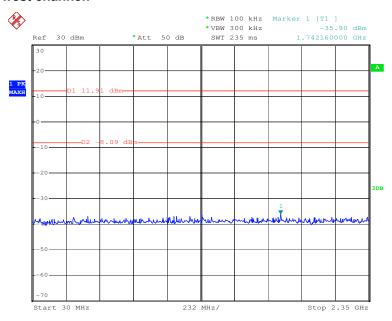
The graph as below represents the emissions take for this device.

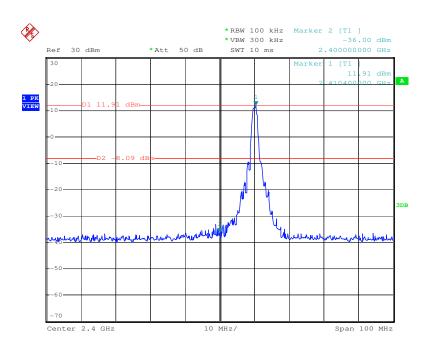


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1. The lowest channel:



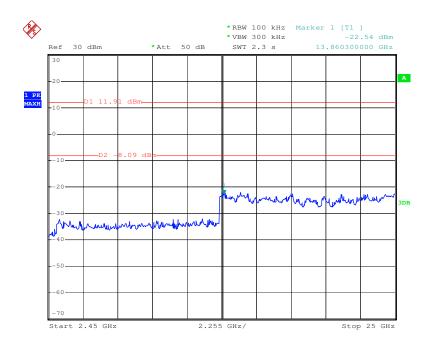


FCC ID: VUY1078B

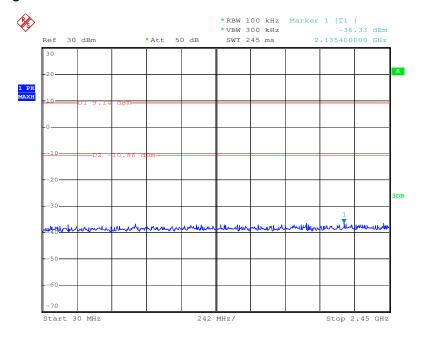


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2. The Highest Channel

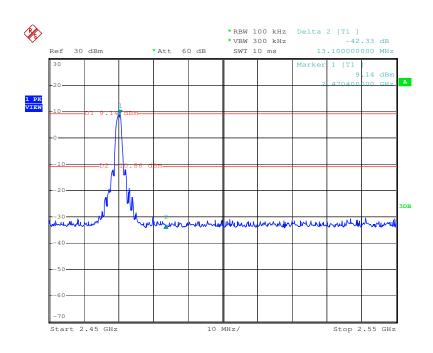


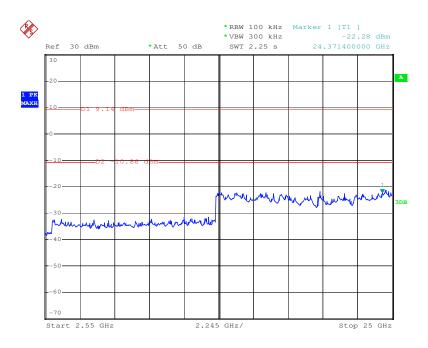
FCC ID: VUY1078B



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The unit does meet the FCC requirements.

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5.3.8 Power Spectral Density

Test Requirement: FCC Part 15 C

Test Method: ANSI C63.4:2003 & KDB558074.

Requirements: Regulation 15.247 (d) For direct sequence systems, the peak power spectral

density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous

transmission

Procedures: The EUT was set transmitting continuously and force selection of output power

level and channel number. We'd observed that the peak levels aren't greater than +8dBm limit. The EUT was setup to ANSI C63.4,2003, tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247

requirements.

Spectrum: RBW=3KHz, VBW=10KHz Sweep time=100S

Span=300KHz

Test Result:

Test Channel	Fundamental Frequency (GHz)	Cable loss (Db)	RF POWER LEVEL IN 3 KHz BW (dBm)	MAXIMUM Limit (dBm)	PASS/ FAIL
1	2.410	2.0	5.15	8.0	Pass
7	2.445	2.0	5.07	8.0	Pass
13	2.470	2.0	4.48	8.0	Pass

The EUT meets the requirements of this section.

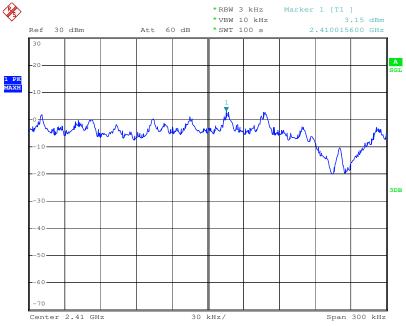
Please refer to graph as below:



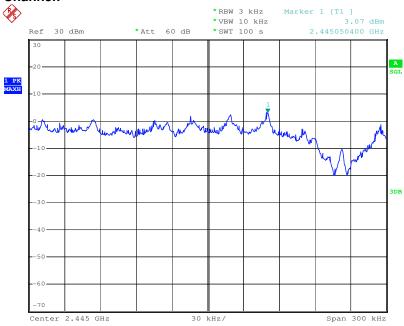
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1. The Lowest Channel:



2. Middle Channel:



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3. The Highest Channel:

