SGS-CSTC Standards Technical Services Ltd.

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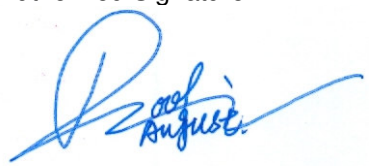
FEDERAL COMMUNICATIONS COMMISSION
Registration number: 556682

TEST REPORT

Application No.:	SZEMO090704397RF
Applicant:	Shenzhen Fuyeda Industry Development Corp.
Manufacturer/ Factory:	Shenzhen Fuyeda Industry Development Corp.
Buyer:	Lenovo (Beijing) Limited
FCC ID:	V4P-KB803RF
Fundamental Carrier	**Frequency** : 2.402GHz to 2.480GHz
Equipment Under Test (EUT):	
Name:	Keyboard
Model:	KM401/KB-803RF♣
♣	Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
Standards:	FCC PART 15: 2008
Date of Receipt:	30 July 2009
Date of Test:	05 to 13 August 2009
Date of Issue:	17 August 2009
Test Result :	**PASS ***

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

Authorized Signature:



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.

2 Test Summary

Test	Test Requirement	Standard Paragraph	Result
Flied Strength of Fundamental	FCC PART 15 : 2008	Section 15.249 (a)	PASS
Flied Strength of Harmonics or other Frequency Emission	FCC PART 15 : 2008	Section 15.249 (a) Section 15.209/15.205	PASS
Occupied Bandwidth	FCC PART 15 : 2008	Section 15.249	PASS

Remark:

Item No.: KM401/KB-803RF

Only the Item KM401 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above items.

3 Contents

4 General Information

4.1 Client Information

Applicant:	Shenzhen Fuyeda Industry Development Corp.
Manufacturer/ Factory:	Shenzhen Fuyeda Industry Development Corp.
Address of Applicant:	No.1 NEWMEN ROAD. TONGSHENG VILLAGE, DALANG STREET, BAO'AN, SHENZHEN, CHINA
Address of Manufacturer/ Factory:	No.1 NEWMEN ROAD. TONGSHENG VILLAGE, DALANG STREET, BAO'AN, SHENZHEN, CHINA
Buyer:	Lenovo (Beijing) Limited
Address of Buyer:	No.6 Shang Di Chuang Ye Road, Haidian District, Beijing, China

4.2 General Description of E.U.T

Product Name:	Keyboard
Model:	KM401/KB-803RF
Power Supply:	DC3.0V(2*1.5V"AAA"Size Batteries)
Power Cord:	N/A-

4.3 Description of Support Units

The EUT was tested with associated equipment below:

Description	Manufacturer	Model No.	Remark
PC	DELL	OPTIPLEX 755	DoC
LCD-displaying	DELL	E1909WF	DoC
KEYBOARD	DELL	SK-8115	DoC

4.4 Standards Applicable for Testing

The customer requested FCC tests for a 2.4G wireless keyboard.

The standard used was FCC PART 15, SUBPART C: 2008 section 15.249.

4.5 Test Location

All tests were performed at:

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

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

No tests were sub-contracted.

4.6 Other Information Requested by the Customer

None.

4.7 Test Facility

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

- **CNAS (No. CNAS L2929)**
  CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.
- **VCCI**
  The 3m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2197 and C-2383 respectively.
  Date of Registration: September 29, 2008. Valid until September 28, 2011.
- **FCC – Registration No.: 556682**
  SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 556682, June 27, 2008.
- **Industry Canada (IC)**
  The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1.

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	16-06-2009	15-06-2010
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	18-06-2009	17-06-2010
5	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0014	12-08-2009	11-08-2010
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	18-06-2009	17-06-2010
7	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0005	12-08-2009	11-08-2010
8	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	12-08-2009	11-08-2010
9	Pre-amplifier (1-18GHz)	Rohde & Schwarz	AFS42-00101 800-25-S-42	SEL0081	18-06-2009	17-06-2010
10	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	SEL0080	18-06-2009	17-06-2010
11	Band filter	Amindeon	82346	SEL0094	18-06-2009	17-06-2010
12	Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	15-06-2009	14-06-2010

5.2 E.U.T. Operation

Input voltage:	DC3.0V(2*1.5V"AAA"Size Batteries)
Operating Environment:	
Temperature:	24°C
Humidity:	50 % RH
Atmospheric Pressure:	1010 mbar
EUT Operation:	Test in transmitting mode: 1. For lowest channel: 2.402GHz. 2. For middle channel: 2.448GHz. 3. For highest channel: 2.480GHz.

5.3 Test Procedure & Measurement Data

5.3.1 Radiated Emissions

Test Requirement: FCC Part15.209

Test Method: ANSI C63.4: 2003

Measurement Distance: 3m (Semi-Anechoic Chamber)

Frequency range 30 MHz – 25GHz

operation mode: Keep the EUT connected to other device.

Test site: Measurement Distance: 3m (Semi-Anechoic Chamber)

Test Range 30MHz to 25GHz

Frequency range	RBW	VBW	Dector
30MHz-1GHz	120KHz	300KHz	QP
above 1GHz	1MHz	3MHz	Peak

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

43.5 dBμV/m between 88MHz & 216MHz

46.0 dBμV/m between 216MHz & 960MHz

54.0 dBμV/m between 960Hz & 1GHz

above 1GHz: Average value Limit 54.0 dBμV/m

Peak value Limit 74.0 dBμV/m.

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

Test Procedure:

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7 The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

Operation mode

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
98.870	1.19	9.06	27.89	28.27	10.63	43.50	-32.87	QP
129.910	1.28	7.70	27.61	29.50	10.87	43.50	-32.63	QP
431.580	2.33	16.52	27.51	30.15	21.49	46.00	-24.51	QP
656.620	2.82	20.84	27.42	33.94	30.18	46.00	-15.82	QP
709.000	2.93	21.60	27.25	32.96	30.24	46.00	-15.76	QP
797.270	3.19	22.09	26.95	34.96	33.29	46.00	-12.71	QP
1365.00	4.48	26.69	38.99	40.24	32.42	74.00	-41.58	PK
1365.00	4.48	26.69	38.99	28.5	20.68	54.00	-33.32	AV
2705.00	6.19	31.03	39.03	39.78	37.97	74.00	-36.03	PK
2705.00	6.19	31.03	39.03	32.4	30.59	54.00	-23.41	AV

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
32.910	0.60	13.84	28.16	35.36	21.64	40.00	-18.36	QP
63.950	0.80	7.07	28.03	35.42	15.26	40.00	-24.74	QP
109.540	1.23	8.62	27.78	33.54	15.61	43.50	-27.89	QP
122.150	1.26	7.85	27.67	33.57	15.01	43.50	-28.49	QP
382.110	2.15	16.08	27.30	27.25	18.18	46.00	-27.82	QP
797.270	3.19	22.09	26.95	36.40	34.73	46.00	-11.27	QP
1235.00	4.4	26.2	39.15	41.77	33.22	74.00	-40.87	PK
1235.00	4.4	26.2	39.15	30.81	22.26	54.00	-31.74	AV
2795.00	6.42	31.32	39.01	40.72	39.45	74.00	-34.55	PK
2795.00	6.42	31.32	39.01	28.6	27.33	54.00	-26.67	AV

5.3.2 Transmit spurious emissions

Test Requirement: FCC Part15.249,15.209 and 15.205

Test Method: ANSI C63.4: 2003

Test channel: The lowest channel, the middle channel, the highest channel.

Test site: Measurement Distance: 3m (Semi-Anechoic Chamber)

Test Range: 30MHz to 25GHz

Frequency range	RBW	VBW	Remark
30MHz-1GHz	120KHz	300KHz	QP
above 1GHz	1MHz	3MHz	Peak
	1MHz	10Hz	average

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

43.5 dBμV/m between 88MHz & 216MHz

46.0 dBμV/m between 216MHz & 960MHz

54.0 dBμV/m between 960Hz & 1GHz

above 1GHz: Average value Limit 54.0 dBμV/m

Peak value Limit 74.0 dBμV/m.

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

Fundamental Frequency (MHz)	Field Strength of Fundamental (dBuV/m @ 3m)	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
902 to 928	94.0	54.0
2400 to 2483.5	94.0	54.0
5725 to 5875	94.0	54.0
24000 to 24250	108.0	68.0

The fundamental frequency of the EUT is 2.402GHz to 2.480GHz

The limit for average field strength dBuv/m for the fundamental frequency = 94.0 dBμV/m.

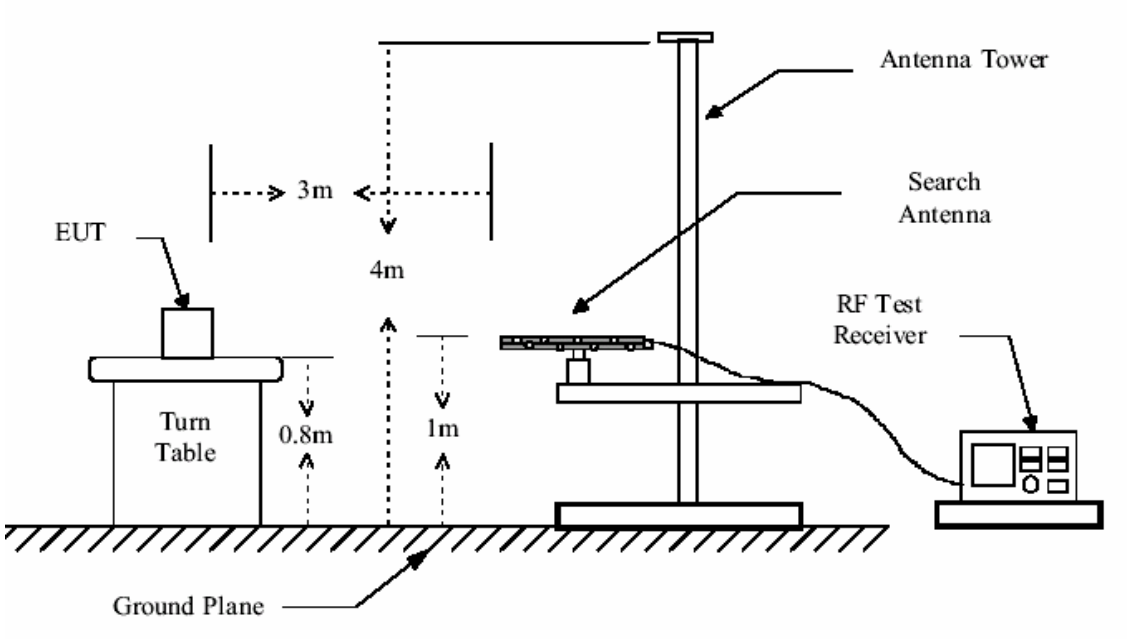
No fundamental is allowed in the restricted bands.

Test Procedure:

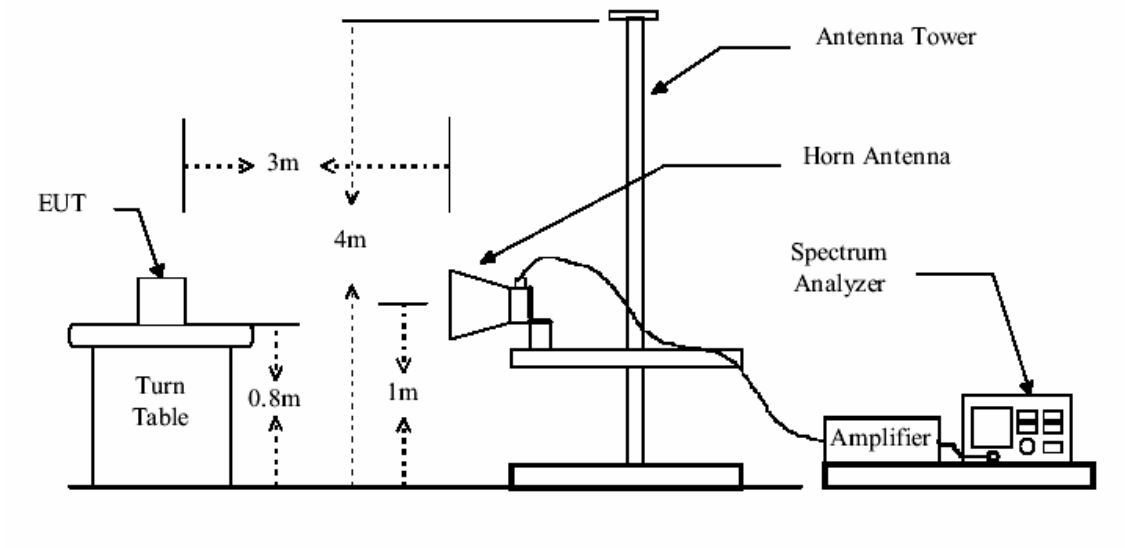
1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7 The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

Test Configuration:

Below 1GHz



Above 1GHz



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

1. The following test results were performed at below 1GHz

For 2402MHz

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
96.18	1.16	8.95	27.91	29.70	11.90	43.50	-31.60	Vertical
365.28	2.11	15.78	27.20	29.74	20.43	46.00	-25.57	Vertical
439.38	2.37	16.68	27.54	31.01	22.52	46.00	-23.48	Vertical
199.53	1.40	10.19	27.15	32.29	16.73	43.50	-26.77	Horizontal
233.65	1.59	11.79	26.99	35.02	21.41	46.00	-24.59	Horizontal
873.25	3.50	22.92	26.57	30.81	30.66	46.00	-15.34	Horizontal

For 2448MHz

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
150.78	1.32	9.04	27.45	29.65	12.56	43.50	-30.94	Vertical
191.73	1.39	10.11	27.20	38.47	22.77	43.50	-20.73	Vertical
744.55	3.04	21.68	27.12	31.49	29.09	46.00	-16.91	Vertical
89.35	1.10	8.64	27.95	29.55	11.34	43.50	-32.16	Horizontal
455.95	2.43	17.09	27.58	30.85	22.79	46.00	-23.21	Horizontal
733.83	3.00	21.63	27.16	29.88	27.35	46.00	-18.65	Horizontal

For 2480MHz

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
173.20	1.36	9.63	27.30	33.61	17.30	43.50	-26.20	Vertical
311.65	1.94	14.33	26.81	35.37	24.83	46.00	-21.17	Vertical
610.00	2.72	20.05	27.58	30.12	25.31	46.00	-20.69	Vertical
140.05	1.30	8.10	27.52	29.54	11.42	43.50	-32.08	Horizontal
326.28	1.99	14.83	26.93	29.02	18.91	46.00	-27.09	Horizontal
581.73	2.68	19.27	27.63	29.56	23.88	46.00	-22.12	Horizontal

2. The following test results were performed at above 1GHz

For 2402MHz:

Harmonics & Spurious Emissions

Peak Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2402.10	4.97	32.25	0.00	60.75	97.97	114.00	-16.03	Vertical
2198.50	4.71	32.13	44.71	60.17	52.30	74.00	-21.70	Vertical
2398.73	4.97	32.25	44.75	59.99	52.46	74.00	-21.54	Vertical
2400.00	4.97	32.25	44.75	60.54	53.01	74.00	-20.99	Vertical
4808.00	6.61	34.04	45.40	48.35	43.60	74.00	-30.40	Vertical
7222.00	7.63	36.29	44.49	44.71	44.14	74.00	-29.86	Vertical
9619.00	8.53	36.99	42.20	43.61	46.93	74.00	-27.07	Vertical
2402.10	4.97	32.25	0.00	48.46	85.68	114.00	-28.32	Horizontal
2245.50	4.77	32.16	44.72	51.77	43.98	74.00	-30.02	Horizontal
2398.73	4.97	32.25	44.75	52.19	44.66	74.00	-29.34	Horizontal
2400.00	4.97	32.25	44.75	53.68	46.15	74.00	-27.85	Horizontal
4808.00	6.61	34.04	45.40	48.81	44.06	74.00	-29.94	Horizontal
7222.00	7.63	36.29	44.49	45.71	45.14	74.00	-28.86	Horizontal
9619.00	8.53	36.99	42.20	44.34	47.66	74.00	-26.34	Horizontal

Average Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2402.10	4.97	32.25	0.00	27.49	64.71	94.00	-29.29	Vertical
2257.35	4.80	32.16	44.72	36.32	28.56	54.00	-25.44	Vertical
2397.73	4.97	32.25	44.75	35.55	28.02	54.00	-25.98	Vertical
2400.00	4.97	32.25	44.75	37.28	29.75	54.00	-24.25	Vertical
4808.00	6.61	34.04	45.40	34.43	29.68	54.00	-24.32	Vertical
7222.00	7.63	36.29	44.49	34.20	33.63	54.00	-20.37	Vertical
9619.00	8.53	36.99	42.20	29.93	33.25	54.00	-20.75	Vertical
2402.10	4.97	32.25	0.00	27.39	64.61	94.00	-29.39	Horizontal
2257.25	4.80	32.16	44.72	36.45	28.69	54.00	-25.31	Horizontal
2398.37	4.97	32.25	44.75	35.58	28.05	54.00	-25.95	Horizontal
2400.00	4.97	32.25	44.75	37.99	30.46	54.00	-23.54	Horizontal
4808.00	6.61	34.04	45.40	34.43	29.68	54.00	-24.32	Horizontal
7222.00	7.63	36.29	44.49	34.20	33.63	54.00	-20.37	Horizontal
9619.00	8.53	36.99	42.20	29.93	33.25	54.00	-20.75	Horizontal

For 2448MHz:

. Harmonics & Spurious Emissions

Peak Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2448.71	5.03	32.27	0.00	46.08	83.38	114.00	-30.62	Vertical
4876.00	6.64	34.02	45.42	50.18	45.42	74.00	-28.58	Vertical
7324.00	7.58	36.10	44.39	44.73	44.02	74.00	-29.98	Vertical
9772.00	8.65	37.12	42.06	43.10	46.81	74.00	-27.19	Vertical
12220.00	10.17	38.93	43.59	43.15	48.66	74.00	-25.34	Vertical
14634.00	11.34	39.60	45.40	47.56	53.10	74.00	-20.90	Vertical
17082.00	12.83	41.08	42.95	42.18	53.14	74.00	-20.86	Vertical
2448.71	5.03	32.27	0.00	43.55	80.85	114.00	-33.15	Horizontal
4876.00	6.64	34.02	45.42	50.20	45.44	74.00	-28.56	Horizontal
7324.00	7.58	36.10	44.39	43.92	43.21	74.00	-30.79	Horizontal
9772.00	8.65	37.12	42.06	43.55	47.26	74.00	-26.74	Horizontal
12220.00	10.17	38.93	43.59	43.01	48.52	74.00	-25.48	Horizontal
14447.00	11.23	39.45	45.53	45.10	50.25	74.00	-23.75	Horizontal
17082.00	12.83	41.08	42.95	43.07	54.03	74.00	-19.97	Horizontal

Average Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2448.71	5.08	32.29	0.00	39.70	77.07	94.00	-16.93	Vertical
4876.00	6.64	34.02	45.42	34.93	30.17	54.00	-23.83	Vertical
7324.00	7.58	36.10	44.39	31.96	31.25	54.00	-22.75	Vertical
9772.00	8.65	37.12	42.06	30.67	34.38	54.00	-19.62	Vertical
12220.00	10.17	38.93	43.59	30.51	36.02	54.00	-17.98	Vertical
14685.00	11.39	39.67	45.36	32.86	38.56	54.00	-15.44	Vertical
17082.00	12.83	41.08	42.95	31.22	42.18	54.00	-11.82	Vertical
2448.71	5.08	32.29	0.00	40.00	77.37	94.00	-16.63	Horizontal
4876.00	6.64	34.02	45.42	34.95	30.19	54.00	-23.81	Horizontal
7324.00	7.58	36.10	44.39	31.97	31.26	54.00	-22.74	Horizontal
9772.00	8.65	37.12	42.06	30.70	34.41	54.00	-19.59	Horizontal
12220.00	10.17	38.93	43.59	30.54	36.05	54.00	-17.95	Horizontal
14634.00	11.34	39.60	45.40	32.71	38.25	54.00	-15.75	Horizontal
17082.00	12.83	41.08	42.95	31.24	42.20	54.00	-11.80	Horizontal

For 2480MHz:

Harmonics & Spurious Emissions

Peak Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2480.00	5.08	32.29	0.00	49.70	87.07	114.00	-26.93	Vertical
2483.50	5.08	32.29	44.77	50.70	43.30	74.00	-30.70	Vertical
2492.25	5.10	32.30	44.78	45.71	38.33	74.00	-35.67	Vertical
4961.00	6.68	34.01	45.44	47.25	42.50	74.00	-31.50	Vertical
7443.00	7.52	35.91	44.26	46.94	46.11	74.00	-27.89	Vertical
9925.00	8.77	37.23	41.92	42.17	46.25	74.00	-27.75	Vertical
12424.00	10.24	39.06	43.85	45.20	50.65	74.00	-23.35	Vertical
2480.00	5.08	32.29	0.00	50.24	87.61	114.00	-26.39	Horizontal
2483.50	5.08	32.29	44.77	48.00	40.60	74.00	-33.40	Horizontal
2492.25	5.10	32.32	44.78	45.11	37.75	74.00	-36.25	Horizontal
4961.00	6.68	34.01	45.44	47.77	43.02	74.00	-30.98	Horizontal
7443.00	7.52	35.91	44.26	47.17	46.34	74.00	-27.66	Horizontal
9925.00	8.77	37.23	41.92	42.15	46.23	74.00	-27.77	Horizontal
12424.00	10.24	39.06	43.85	45.58	51.03	74.00	-22.97	Horizontal

Average Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2480.00	5.08	32.29	0.00	27.10	64.47	94.00	-29.53	Vertical
2483.50	5.08	32.29	44.77	39.10	31.70	54.00	-22.30	Vertical
2492.25	5.10	32.30	44.78	36.73	29.35	54.00	-24.65	Vertical
4961.00	6.68	34.01	45.44	35.01	30.26	54.00	-23.74	Vertical
7443.00	7.52	35.91	44.26	32.00	31.17	54.00	-22.83	Vertical
9925.00	8.77	37.23	41.92	29.98	34.06	54.00	-19.94	Vertical
12424.00	10.24	39.06	43.85	31.04	36.49	54.00	-17.51	Vertical
2480.00	5.08	32.29	0.00	27.71	65.08	94.00	-28.92	Horizontal
2483.50	5.08	32.29	44.77	39.00	31.60	54.00	-22.40	Horizontal
2492.25	5.10	32.30	44.78	36.64	29.26	54.00	-24.74	Horizontal
4961.00	6.68	34.01	45.44	35.01	30.26	54.00	-23.74	Horizontal
7443.00	7.52	35.91	44.26	32.00	31.17	54.00	-22.83	Horizontal
9925.00	8.77	37.23	41.92	29.96	34.04	54.00	-19.96	Horizontal
12424.00	10.24	39.06	43.85	31.04	36.49	54.00	-17.51	Horizontal

N/A: refer to remark 1).

Remark:

1). For this intentional radiator operates below 10 GHz, the spectrum shall be investigated to the tenth harmonic of the highest fundamental frequency. And above the fifth harmonic of this intentional radiator, the disturbance is very low. So the test result only displays to 6^{th} harmonic.

2). According to 15.249 (e) As shown in Section 15.35(b), for frequencies above 1000 MHz, the above field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

TEST RESULTS: The unit does meet the FCC requirements.

5.3.3 Occupied Bandwidth

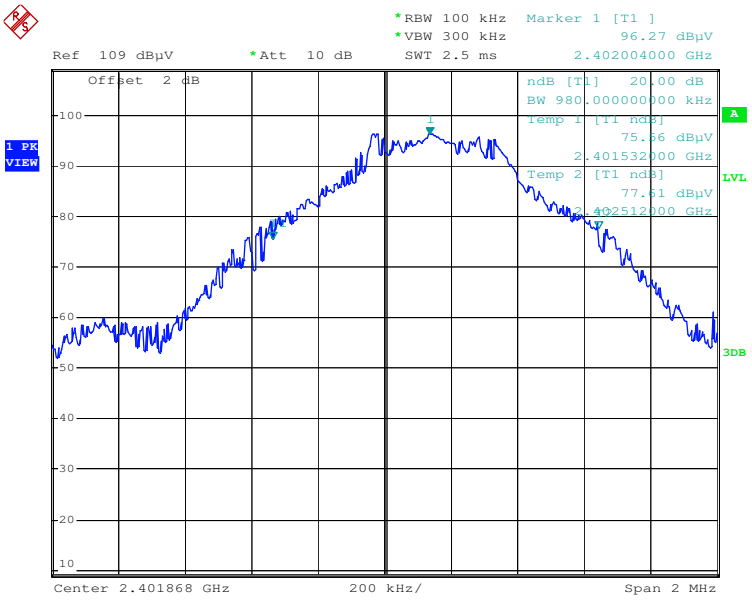
Test Requirement: FCC Part 15.249

Test Method: ANSI C63.4: 2003

Operation within the band 2400– 2483.5GHz

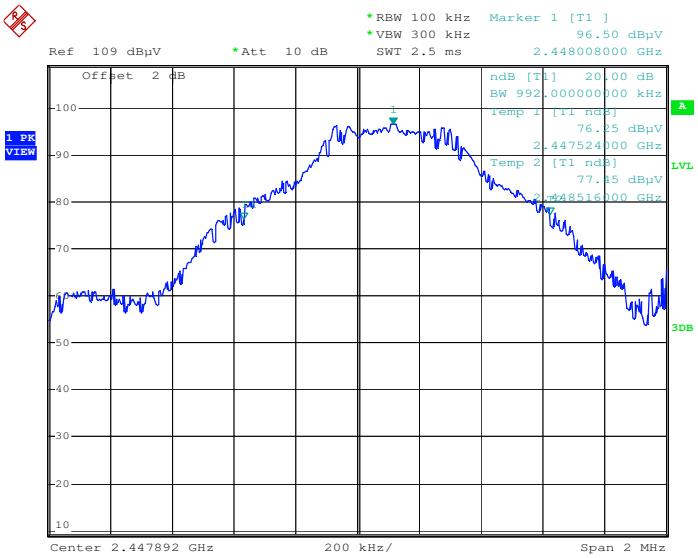
The occupied bandwidth as below:

1. For 2402MHz:



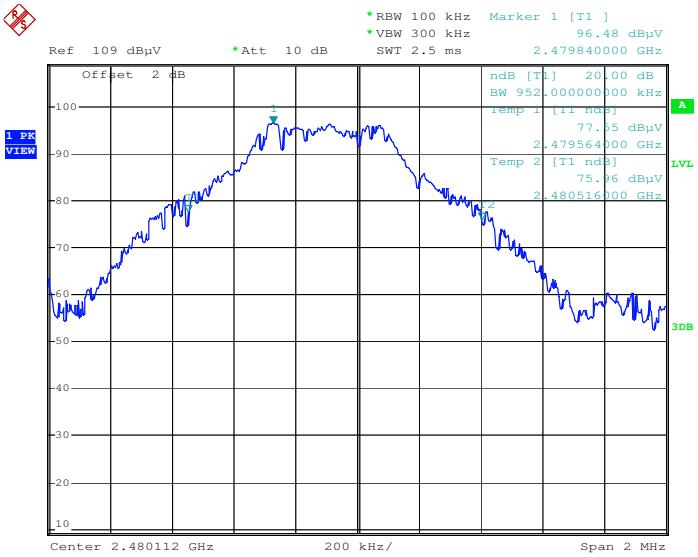
Date: 6.AUG.2009 23:17:45

2. For 2448MHz:



Date: 6.AUG.2009 23:19:10

3. For 2480MHz:



Date: 6.AUG.2009 23:20:45