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Registration number: 556682

Report No.: SZEMO09080475501
Page: 1 of 24

TEST REPORT

Application No.: SZEMO090804755RF
Applicant/ Manufacturer: EzKEY Corp.
Factory: Shen Zhen Eytech Electronic Co.,LTD
Address of Manufacturer/ Applicant: 11F, No. 167, Fu Ho Rd, Yung Ho City, Taipei Hsien, Taiwan
Address of Factory: No. 3, Gui Hua Rd., Wen Zai Keng Industrial Zone, Tang Xia Yong Village, Song Gang Town, Bao An District, Shen Zhen City,Guang Dong ,China,
FCC ID: MWI-EZRX116
Fundamental Carrier 2.402GHz to 2.480GHz
Equipment Under Test (EUT):
Name: Dongle
Model: RX-116
Standards: FCC PART 15: 2008
Date of Receipt: 14 August 2009
Date of Test: 17 August to 03 September 2009
Date of Issue: 04 September 2009

Test Result :	PASS *
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* 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.

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2 Test Summary

Test	Test Requirement	Standard Paragraph	Result
Conduct Emission	FCC PART 15 2008	Section 15.207	PASS
Flid Strength of Fundamental	FCC PART 15 : 2008	Section 15.249 (a)	PASS
Flid Strength of Harmonics or other Frequency Emission	FCC PART 15 : 2008	Section 15.249 (a) Section 15.209/15.205	PASS
20dB Bandwidth	FCC PART 15 : 2008	Section 15.249	PASS



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4 General Information

4.1 General Description of E.U.T

Product Name: Dongle
Model: RX-116
Power Supply: USB port supply power (DC 5V)
Modulation type: GFSK
Operation Frequency: 2.402GHz~2.480GHz
Channel numbers: 16 channels

4.2 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

4.3 Standards Applicable for Testing

The customer requested FCC tests for a 2.4G dongle

The standard used was FCC PART 15.249 2008.

4.4 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.

4.5 Other Information Requested by the Customer

None.

4.6 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



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	18-06-2009	17-06-2010
3	LISN	Schwarzbeck	NNBM 8125	SEL0119	28-07-2009	28-07-2010
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	21-02-2009	21-02-2010
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	21-02-2009	21-02-2010
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	21-02-2009	21-02-2010
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	18-06-2009	17-06-2010
8	Coaxial Cable	SGS	N/A	SEL0024	18-06-2009	17-06-2010



5.2 E.U.T. Operation

Input voltage:	PC supply 5V
Operating Environment:	
Temperature:	24°C
Humidity:	50 % RH
Atmospheric Pressure:	1010 mbar
Channel numbers:	16 channels
EUT Operation:	Test in transmitting mode:
	1. For lowest channel: 2.402GHz.
	2. For middle channel: 2.439GHz.
	3. For highest channel: 2.480GHz.

5.3 Test Procedure & Measurement Data

5.3.1 Conducted Emissions

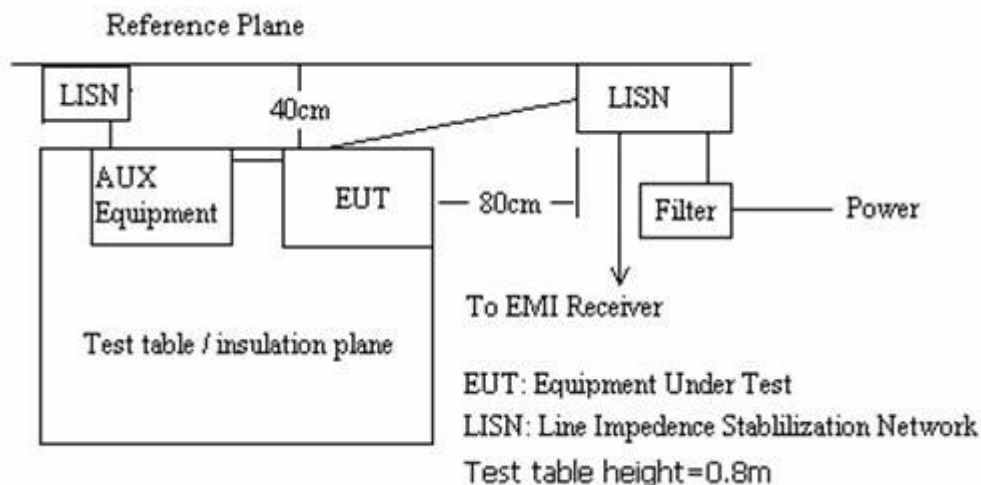
Test Requirement: FCC Part15.207
 Test Method: ANSI C63.4: 2003
 Frequency Range: 150KHz to 30MHz
 Type of modulation: GFSK
 Class / Severity: Class B
 Detector: Peak for pre-scan (9kHz Resolution Bandwidth)
 Operating Environment:
 Temperature: 24.0 °C Humidity: 52% RH Atmospheric Pressure: 1012 Mbar
 EUT Operation: Keep the EUT connected to mouse.

5.3.1.1 Measurement Data

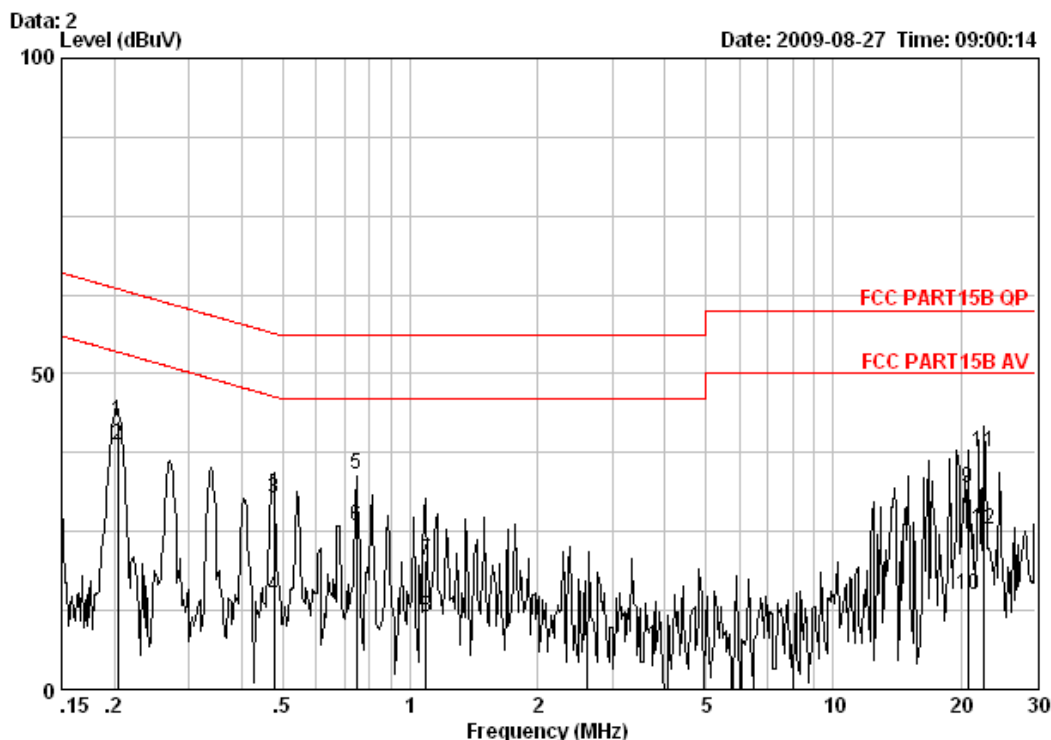
An initial pre-scan was performed on the live and neutral lines with peak detector.
 Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

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

Plan View of Test Setup



Live line

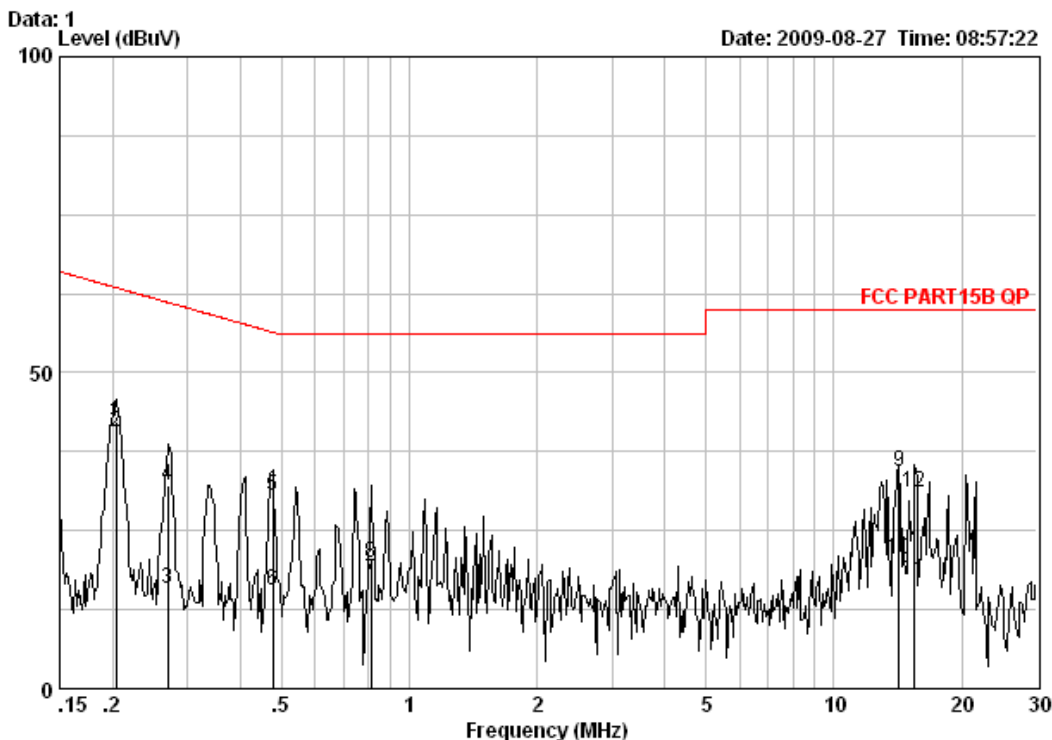


Site : Shielding Room
Condition : FCC PART15B QP CE LINE
EUT : DONGLE
Test No. : 4755RF
Mode : Operation mode

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.20396	0.04	-0.04	42.40	42.40	63.45	-21.05	QP
2	0.20396	0.04	-0.04	38.70	38.70	53.45	-14.75	Average
3	0.47612	0.06	-0.04	30.20	30.22	56.41	-26.19	QP
4	0.47612	0.06	-0.04	14.70	14.72	46.41	-31.69	Average
5 @	0.74690	0.06	-0.05	34.10	34.12	46.00	-11.88	Average
6	0.74690	0.06	-0.05	25.90	25.92	56.00	-30.08	QP
7	1.088	0.08	-0.05	20.40	20.43	56.00	-35.57	QP
8	1.088	0.08	-0.05	11.50	11.53	46.00	-34.47	Average
9	20.814	0.27	-0.67	32.20	31.81	60.00	-28.19	QP
10	20.814	0.27	-0.67	15.30	14.91	50.00	-35.09	Average
11	22.660	0.28	-0.71	38.10	37.67	60.00	-22.33	QP
12	22.660	0.28	-0.71	25.90	25.47	50.00	-24.53	Average

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Neutral line



Site : Shielding Room
Condition : FCC PART15B QP CE NEUTRAL
EUT : dongle
Test No. : 4755SRF
Mode : Operation mode

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.20396	0.04	-0.04	42.10	42.10	63.45	-21.35	QP
2 @	0.20396	0.04	-0.04	40.50	40.50	53.45	-12.95	Average
3	0.27009	0.05	-0.04	15.90	15.91	51.12	-35.21	Average
4	0.27009	0.05	-0.04	32.10	32.11	61.12	-29.01	QP
5	0.47612	0.06	-0.04	30.50	30.52	56.41	-25.89	QP
6	0.47612	0.06	-0.04	15.60	15.62	46.41	-30.79	Average
7	0.81300	0.07	-0.04	17.20	17.23	46.00	-28.77	Average
8	0.81300	0.07	-0.04	20.00	20.03	56.00	-35.97	QP
9	14.210	0.25	-0.44	34.40	34.21	60.00	-25.79	QP
10	14.210	0.25	-0.44	20.70	20.51	50.00	-29.49	Average
11	15.470	0.25	-0.48	17.30	17.07	50.00	-32.93	Average
12	15.470	0.25	-0.48	31.20	30.97	60.00	-29.03	QP

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5.3.2 Radiated Emissions

5.3.2.1 Test in transmitting mode

Test Requirement: FCC Part15.249,15.209 and 15.205

Test Method: ANSI C63.4: 2003

Measurement Distance: 3m (Semi-Anechoic Chamber)

Type of modulation: GFSK

Data rate: 2MHz

Test frequency: Lowest channel: 2.402GHz.

Middle channel: 2.439GHz.

Highest channel: 2.480GHz.

Frequency range 30 MHz – 25GHz

Test instrumentation resolution bandwidth

Frequency Range	Detector	RBW/VBW
30MHz to 1000MHz	Quasi-Peak	120KHz/300KHz
1GHz to 25GHz	Average	1MHz/10Hz
1GHz to 25GHz	Peak	1MHz/3MHz

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 dBuV/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.

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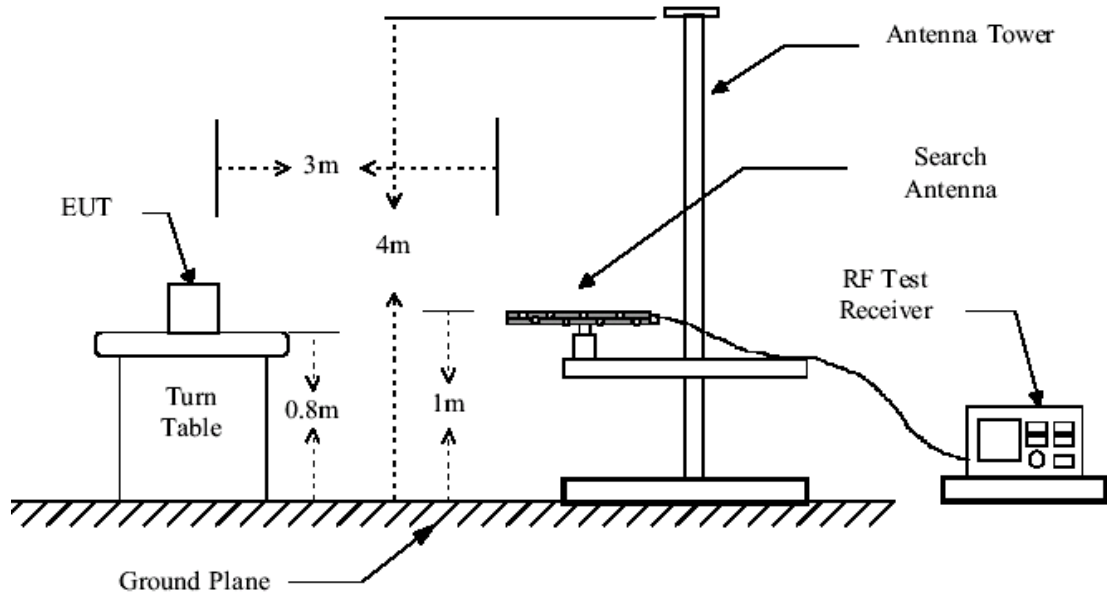
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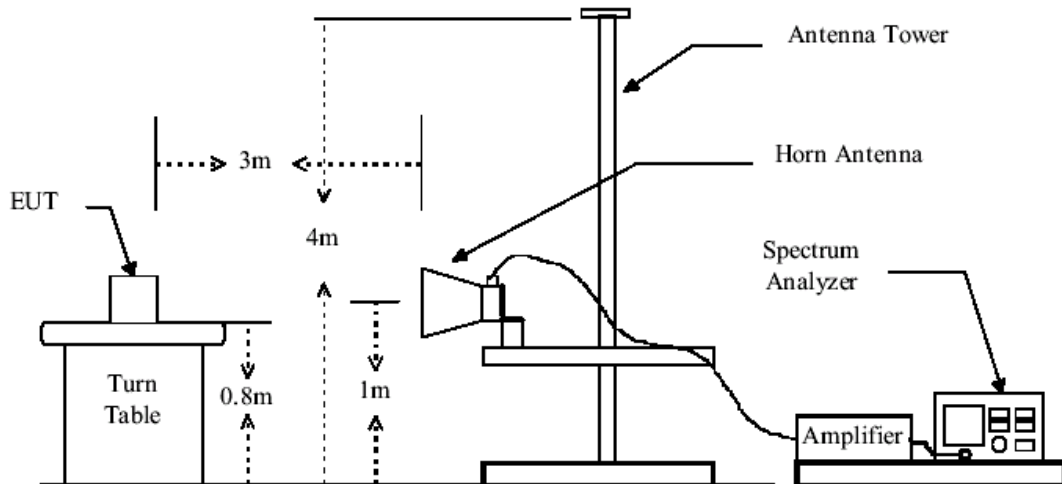
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Test Configuration:

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

The following test results were performed on the EUT:

1. The following test results were performed at 30MHz—1GHz

Vertical:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Quasi-peak Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)
94.990	1.15	8.91	27.91	31.87	14.02	43.50	-29.48
210.420	1.46	10.73	27.10	31.80	16.89	43.50	-26.61
478.140	2.52	17.80	27.65	32.30	24.97	46.00	-21.03
710.940	2.94	21.60	27.24	33.31	30.61	46.00	-15.39
749.740	3.06	21.70	27.11	35.87	33.52	46.00	-12.48
797.270	3.20	22.09	26.95	38.63	36.97	46.00	-9.03

Horizontal

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Quasi-peak Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)
144.460	1.31	8.53	27.49	35.94	18.29	43.50	-25.21
210.420	1.46	10.73	27.10	34.57	19.66	43.50	-23.84
362.710	2.10	15.72	27.18	31.01	21.65	46.00	-24.35
710.940	2.94	21.60	27.24	38.50	35.80	46.00	-10.20
749.740	3.06	21.70	27.11	41.03	38.68	46.00	-7.32
785.630	3.16	22.04	26.99	35.74	33.95	46.00	-12.05



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)	Preamplifier factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2402.250	6.34	30.03	38.87	85.00	82.50	114	-31.50	Vertical
2390	6.28	29.98	39.03	40.00	37.23	74.00	-36.77	Vertical
2400	6.34	30.03	38.87	38.00	35.50	74.00	-38.50	Vertical
2122	5.72	28.99	39.55	47.00	42.16	74.00	-31.84	Vertical
3397	7.22	32.42	39.85	46.35	46.14	74.00	-27.86	Vertical
4808	9.36	34.25	41.53	45.73	47.81	74.00	-26.19	Vertical
7222	13.30	37.24	40.88	46.19	55.85	74.00	-18.15	Vertical
9619	13.39	37.99	37.56	41.26	55.08	74.00	-18.92	Vertical
12033	16.77	39.12	39.13	42.92	59.68	74.00	-14.32	Vertical
2402.238	6.34	30.03	38.87	85.30	82.80	114	-31.20	Horizontal
2390	6.28	29.98	39.03	40.00	37.23	74.00	-36.77	Horizontal
2400	6.34	30.03	38.87	39.00	36.50	74.00	-37.50	Horizontal
2462	6.70	30.25	39.61	44.94	42.28	74.00	-31.72	Horizontal
3346	7.05	32.36	39.47	44.92	44.86	74.00	-29.14	Horizontal
4808	9.36	34.25	41.53	46.19	48.27	74.00	-25.73	Horizontal
7222	13.30	37.24	40.88	45.24	54.90	74.00	-19.10	Horizontal
9619	13.39	37.99	37.56	41.13	54.95	74.00	-19.05	Horizontal
12033	16.77	39.12	39.13	42.80	59.56	74.00	-14.44	Horizontal

Average Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamplifier factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2402.250	6.34	30.03	38.87	84.00	81.50	94	-12.50	Vertical
2390	6.28	29.98	39.03	25.00	22.23	54.00	-31.77	Vertical
2400	6.34	30.03	38.87	25.50	23.00	54.00	-31.00	Vertical
2122	5.72	28.99	39.55	37.49	32.65	54.00	-21.35	Vertical
3397	7.22	32.42	39.85	36.80	36.59	54.00	-17.41	Vertical
4808	9.36	34.25	41.53	34.00	36.08	54.00	-17.92	Vertical
7222	13.30	37.24	40.88	35.86	45.52	54.00	-8.48	Vertical
9619	13.39	37.99	37.56	32.00	45.82	54.00	-8.18	Vertical
12033	16.77	39.12	39.13	32.88	49.64	54.00	-4.36	Vertical
2402.238	6.34	30.03	38.87	85.00	82.50	94	-11.50	Horizontal
2390	6.28	29.98	39.03	26.00	23.23	54.00	-30.77	Horizontal
2400	6.34	30.03	38.87	26.00	23.50	54.00	-30.50	Horizontal
2462	6.70	30.25	39.61	34.20	31.54	54.00	-22.46	Horizontal
3346	7.05	32.36	39.47	34.61	34.55	54.00	-19.45	Horizontal
4808	9.36	34.25	41.53	37.08	39.16	54.00	-14.84	Horizontal
7222	13.30	37.24	40.88	36.05	45.71	54.00	-8.29	Horizontal
9619	13.39	37.99	37.56	30.87	44.69	54.00	-9.31	Horizontal
12033	16.77	39.12	39.13	32.95	49.71	54.00	-4.29	Horizontal

For 2439MHz:

. Harmonics & Spurious Emissions

Peak Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamplifier factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2439.237	6.4	30.18	38.59	86.00	83.99	114	-30.01	Vertical
2955	6.51	31.78	39.19	45.45	44.55	74.00	-29.45	Vertical
4247	8.65	33.46	40.52	45.48	47.07	74.00	-26.93	Vertical
4876	10.36	34.34	39.89	45.90	50.71	74.00	-23.29	Vertical
7324	12.91	37.31	40.40	44.36	54.18	74.00	-19.82	Vertical
9772	13.99	38.04	38.01	42.24	56.26	74.00	-17.74	Vertical
12220	17.95	39.23	39.30	41.50	59.38	74.00	-14.62	Vertical
2439.268	6.4	30.18	38.59	85.00	82.99	114	-31.01	Horizontal
2462	6.70	30.25	39.61	45.45	42.79	74.00	-31.21	Horizontal
3091	7.47	32.02	39.86	45.77	45.40	74.00	-28.60	Horizontal
4876	10.36	34.34	39.89	46.11	50.92	74.00	-23.08	Horizontal
7307	12.99	37.30	40.50	44.55	54.34	74.00	-19.66	Horizontal
9738	13.79	38.02	37.86	42.44	56.39	74.00	-17.61	Horizontal
12220	17.95	39.23	39.30	40.83	58.71	74.00	-15.29	Horizontal

Average Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamplifier factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2439.237	6.4	30.18	38.59	85.80	83.79	94	-10.21	Vertical
2955	6.51	31.78	39.19	32.79	31.89	54.00	-22.11	Vertical
4247	8.65	33.46	40.52	35.80	37.39	54.00	-16.61	Vertical
4876	10.36	34.34	39.89	34.60	39.41	54.00	-14.59	Vertical
7324	12.91	37.31	40.40	33.70	43.52	54.00	-10.48	Vertical
9772	13.99	38.04	38.01	31.39	45.41	54.00	-8.59	Vertical
12220	17.95	39.23	39.30	30.80	48.68	54.00	-5.32	Vertical
2439.268	6.4	30.18	38.59	82.90	80.89	94	-13.11	Horizontal
2462	6.70	30.25	39.61	35.20	32.54	54.00	-21.46	Horizontal
3091	7.47	32.02	39.86	34.90	34.53	54.00	-19.47	Horizontal
4876	10.36	34.34	39.89	36.30	41.11	54.00	-12.89	Horizontal
7307	12.99	37.30	40.50	34.80	44.59	54.00	-9.41	Horizontal
9738	13.79	38.02	37.86	31.50	45.45	54.00	-8.55	Horizontal
12220	17.95	39.23	39.30	29.60	47.48	54.00	-6.52	Horizontal

For 2480MHz:

Harmonics & Spurious Emissions

Peak Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamplifier factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2480.239	6.45	30.3	39.72	85.90	82.93	114	-31.07	Vertical
2483.500	6.22	30.32	39.53	38.00	35.01	74.00	-38.99	Vertical
2500	5.76	30.37	39.15	37.00	33.98	74.00	-40.02	Vertical
2343	6.11	29.84	39.51	44.16	40.60	74.00	-33.40	Vertical
3550	7.85	32.60	40.17	45.51	45.79	74.00	-28.21	Vertical
4978	11.54	34.46	41.09	44.27	49.18	74.00	-24.82	Vertical
7443	12.72	37.37	40.01	43.74	53.82	74.00	-20.18	Vertical
9925	14.24	38.08	37.78	41.20	55.74	74.00	-18.26	Vertical
12424	17.51	39.37	39.52	42.53	59.89	74.00	-14.11	Vertical
2480.139	6.45	30.3	39.72	84.50	81.53	114	-32.47	Horizontal
2483.500	6.22	30.32	39.53	37.00	34.01	74.00	-39.99	Horizontal
2500	5.76	30.37	39.15	37.00	33.98	74.00	-40.02	Horizontal
2496	5.99	30.35	39.34	44.66	41.66	74.00	-32.34	Horizontal
3720	7.42	32.80	39.42	44.40	45.20	74.00	-28.80	Horizontal
4961	10.43	34.45	41.03	44.89	48.74	74.00	-25.26	Horizontal
7443	12.72	37.37	40.01	44.83	54.91	74.00	-19.09	Horizontal
9925	14.24	38.08	37.78	42.27	56.81	74.00	-17.19	Horizontal
12373	17.63	39.32	39.45	42.45	59.95	74.00	-14.05	Horizontal

Average Measurement

Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamplifier factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over limit	polarization
2480.239	6.45	30.30	39.72	85.65	82.68	94	-11.32	Vertical
2483.500	6.22	30.32	39.53	25.00	22.01	54.00	-31.99	Vertical
2500	5.76	30.37	39.15	25.00	21.98	54.00	-32.02	Vertical
2343	6.11	29.84	39.51	34.50	30.94	54.00	-23.06	Vertical
3550	7.85	32.60	40.17	35.20	35.48	54.00	-18.52	Vertical
4978	11.54	34.46	41.09	34.21	39.12	54.00	-14.88	Vertical
7443	12.72	37.37	40.01	33.60	43.68	54.00	-10.32	Vertical
9925	14.24	38.08	37.78	30.80	45.34	54.00	-8.66	Vertical
12424	17.51	39.37	39.52	30.60	47.96	54.00	-6.04	Vertical
2480.139	6.45	30.30	39.72	71.70	68.73	94	-25.27	Horizontal
2483.500	6.22	30.32	39.53	25.00	22.01	54.00	-31.99	Horizontal
2500	5.76	30.37	39.15	25.00	21.98	54.00	-32.02	Horizontal
2496	5.99	30.35	39.34	34.50	31.50	54.00	-22.50	Horizontal
3720	7.42	32.80	39.42	34.21	35.01	54.00	-18.99	Horizontal
4961	10.43	34.45	41.03	32.50	36.35	54.00	-17.65	Horizontal
7443	12.72	37.37	40.01	33.90	43.98	54.00	-10.02	Horizontal
9925	14.24	38.08	37.78	31.80	46.34	54.00	-7.66	Horizontal
12373	17.63	39.32	39.45	30.81	48.31	54.00	-5.69	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 9th 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.

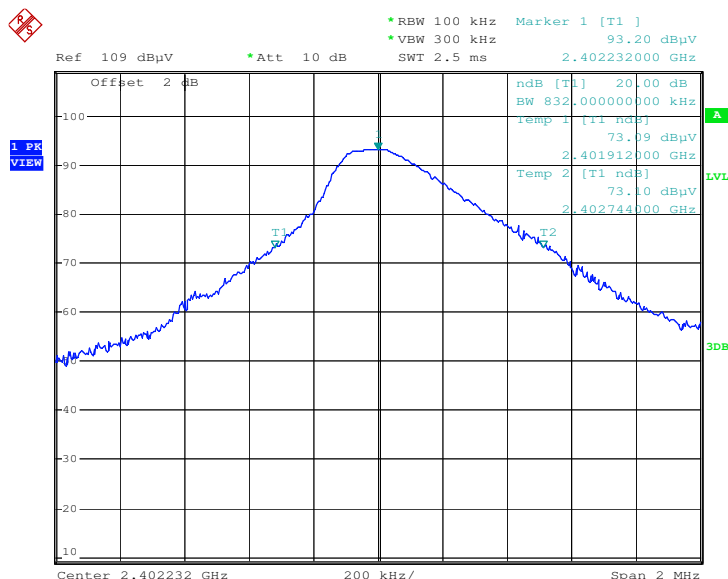


5.3.3 Occupied Bandwidth

Test Requirement: FCC Part 15.249
Test Method: ANSI C63.4: 2003
Operation within the band 2402 – 2480GHz

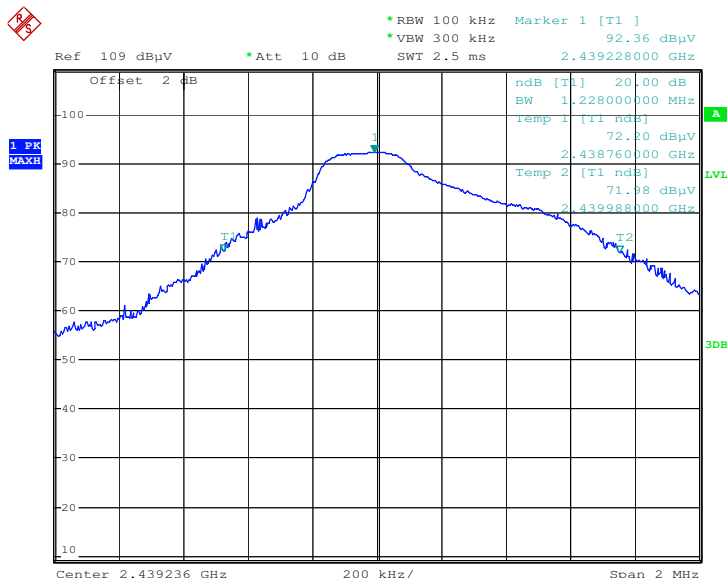
The occupied bandwidth as below:

1. For 2402MHz:



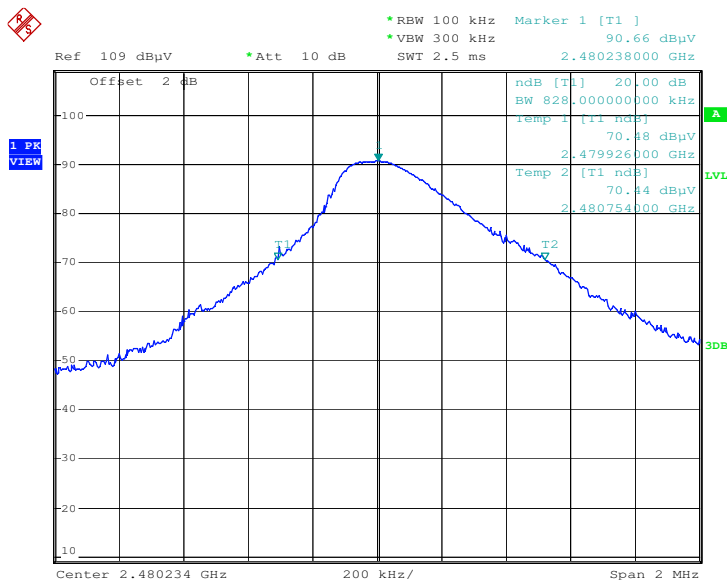
Date: 18.AUG.2009 14:19:22

2. For 2439MHz:



Date: 18.AUG.2009 14:25:01

3. For 2480MHz:



Date: 18.AUG.2009 14:13:13