



FCC TEST REPORT

According to

FCC Rules and Regulations

Part 15 Subpart C,

and Canada RSS-210 issue 8

Applicant	: MEILOON INDUSTRIAL CO.,LTD.
Address	: No 77, Lane 1775, Chuen-Ryh RD, Taoyuan City,Taiwan
Equipment	: TVEE Model 25
Model No.	: TVEEM25B-01201
FCC ID	: R48TVEEM25RX
IC ID	: 7190A-TVEEM25

Laboratory Accreditation



Testing Laboratory
1332

- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of **Cerpass Technology Corp.**, the test report shall not be reproduced except in full.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.



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CERTIFICATE OF COMPLIANCE

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Equipment : TVEE Model 25

Model No. : TVEEM25B-01201

FCC ID : R48TVEEM25RX

IC ID : 7190A-TVEEM25

I HEREBY CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4** The equipment was **passed** the test performed according to **FCC Rules and Regulations Part 15 Subpart C (2009), and Canada RSS-210.**

The test was carried out on Dec, 22, 2010 at Cerpass Technology Corp.

Signature

Clark Lin
EMC/RF B.U. Manager



1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

FCC Rule	IC Rule	Description of Test	Result
15.203	Item5.5	. Antenna Requirement	Pass
15.207	Item9	. Conducted Emission	Pass
15.209 15.247(d)	Item6.3	. Radiated Emission	Pass
---	Item7.3	. Receiver Spurious Emission	Pass
15.247(a)(2)	Item6.2.2(o)	. 6dB Bandwidth	Pass
15.247(b)	Item6.2.2(o)	. Maximum Peak Output Power	Pass
15.247(d)	Item6.2.2(o)	. 100kHz Bandwidth of Frequency Band Edges	Pass
15.247(e)	Item6.2.2(o)	. Power Spectral Density	Pass
---	Item5.9.1	. 99% Bandwidth	Pass
1.1307 1.1310 2.1091 2.1093	Item14	. RF Exposure Compliance	Pass



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

- System Power: 150 watts peak
- Soundbar Woofers: Dual 1 1/2" x 6" HHRT drivers
- Subwoofer: 6" FCCM woofer
- Wireless Technologies: 2.4GHz frequency hopping(subwoofer)
- Dimensions: (HxWxD) Soundbar 112 x 800 x 112mm
Subwoofer 241 x 266 x 277mm
- Weight: Soundbar 2.3kg
Subwoofer 7.7kg

2.2 Carrier Frequency of Channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2403	09	2443
02	2408	10	2448
03	2413	11	2453
04	2418	12	2458
05	2423	13	2463
06	2428	14	2468
07	2433	15	2473
08	2438	16	2478

2.3 Test Mode and Test Software

- During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- The complete test system included DVD player, Ipod and EUT for EMI test. .
- An executive program, "1KHz Color Bar" under was executed to play sounds.
- The following test modes were performed for test:
 - CH01: 2403MHz, CH08: 2438MHz, CH16: 2478MHz



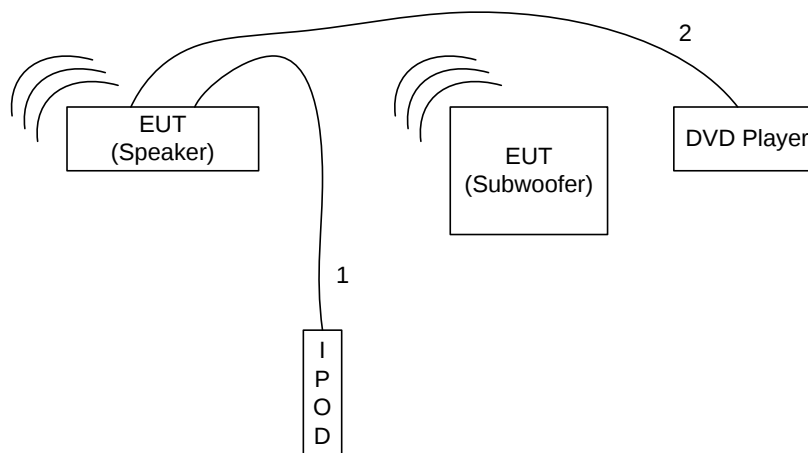
2.4 Description of Test System

Device	Manufacturer	Model No.	Description
Ipod	Apple	A1320	Data cable, USB Shielding, 1m
DVD Player	Sony	DVP-NS718HP	N/A

Use Cable:

Cable	Quantity	Description
AV cable	1	Unshielding, 1.5m

2.5 Connection Diagram of Test System



1. The USB cable is connected from EUT(Speaker) to the Ipod.
2. The AV cable is connected from EUT(Subwoofer) to the DVD Player.

*The EUTs were connecting to each other via wireless.



2.6 General Information of Test

Test Site :	CerpPASS Technology Corp. 2F-11, No. 3, Yuan Qu St. (Nankang Software Park), Taipei, Taiwan 115, R.O.C.
Test Site Location (OATS1-SD):	No. 68-1, Shibachong Si, Shihding Township, Taipei County, Taiwan, R.O.C.
FCC Registration Number :	TW1061,TW1056, 390316, 488071
IC Registration Number :	4934B-1, 4934D-1
VCCI Registration Number :	T-543 for Telecommunication Test C-3328 for Conducted emission test R-3428 for Radiated emission test G-97 for Radiated emission test above 1GHz.
Test Voltage:	AC 120V / 60Hz
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart C Canada RSS-210
Frequency Range Investigated:	Conducted: from 150kHz to 30MHz Radiation: from 30MHz to 25,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

2.7 Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	2.71 dB
Radiated Emission	30 MHz ~ 25GHz	Vertical	4.11 dB
		Horizontal	4.10 dB
6 dB Bandwidth	---	---	7500 Hz
Maximum Peak Output Power	---	---	1.4 dB
100kHz Bandwidth of Frequency Band Edges	---	---	2.2 dB
Power Spectral Density	---	---	2.2 dB



☐ Additional attachment as following record:

[illegible]



3. Antenna Requirements

3.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

3.2 Antenna Construction and Directional Gain

Antenna Type: Omni Dipole antenna

Antenna Gain: 1.53 dBi



4. Test of Conducted Emission

4.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

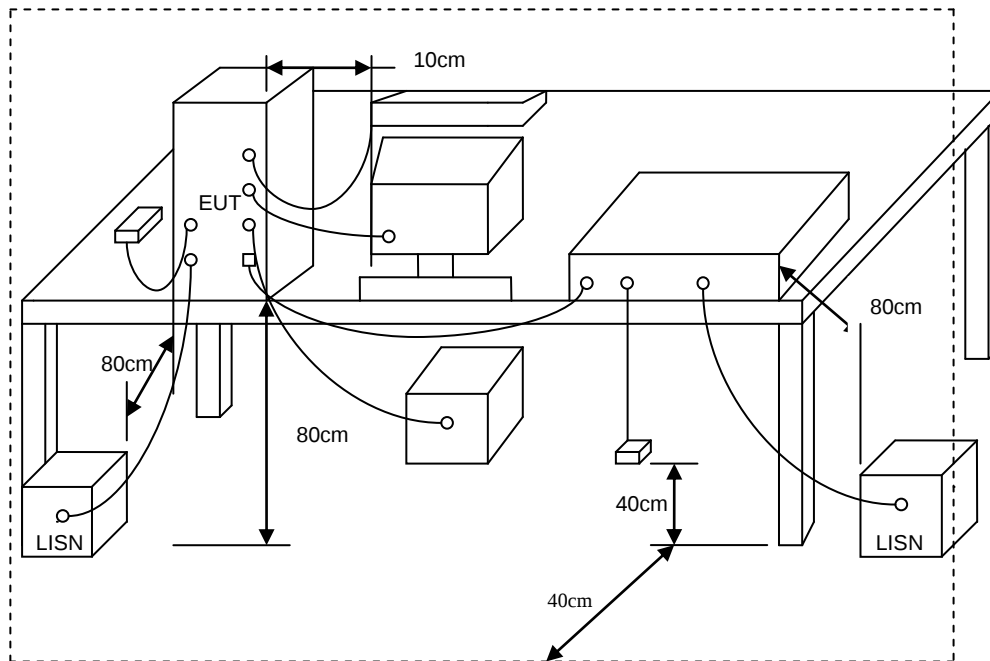
*Decreases with the logarithm of the frequency.

4.2 Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



4.3 Typical Test Setup



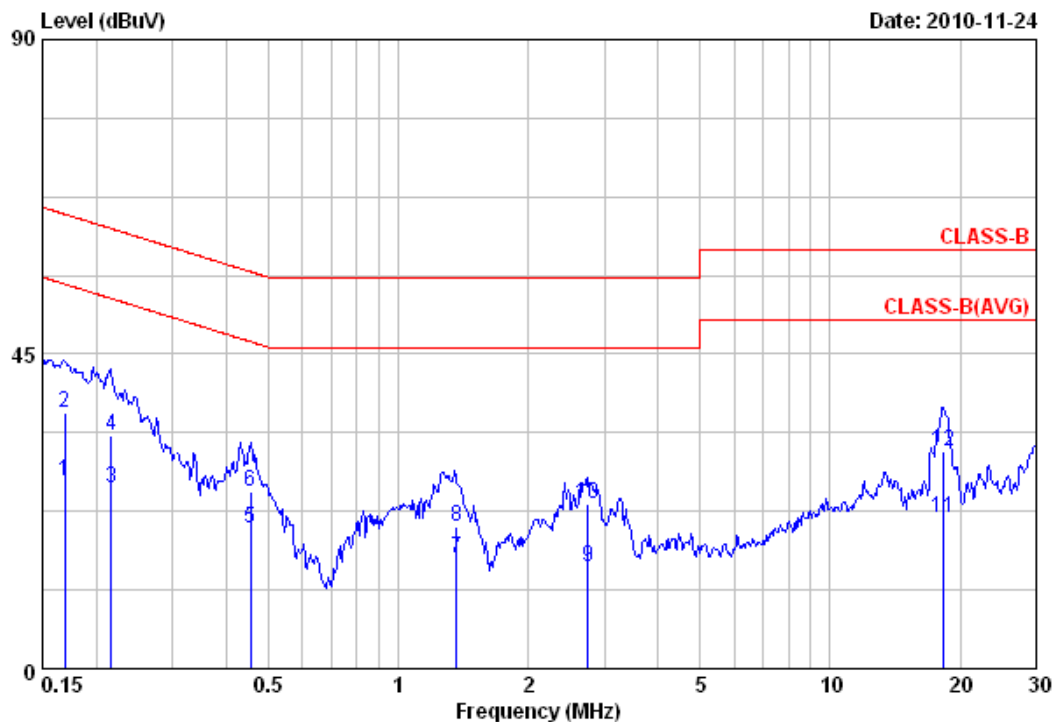
4.4 Measurement Equipment

Instrument/ Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
EMI Receiver	R&S	ESCI	100821	2010/01/21	2011/01/20
LISN	Schwarzbeck	NSLK 8127	8127-516	2010/05/25	2011/05/24
LISN	EMCO	3825/2	9703-2655	2010/07/19	2011/07/18



4.5 Test Result and Data

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 67 %



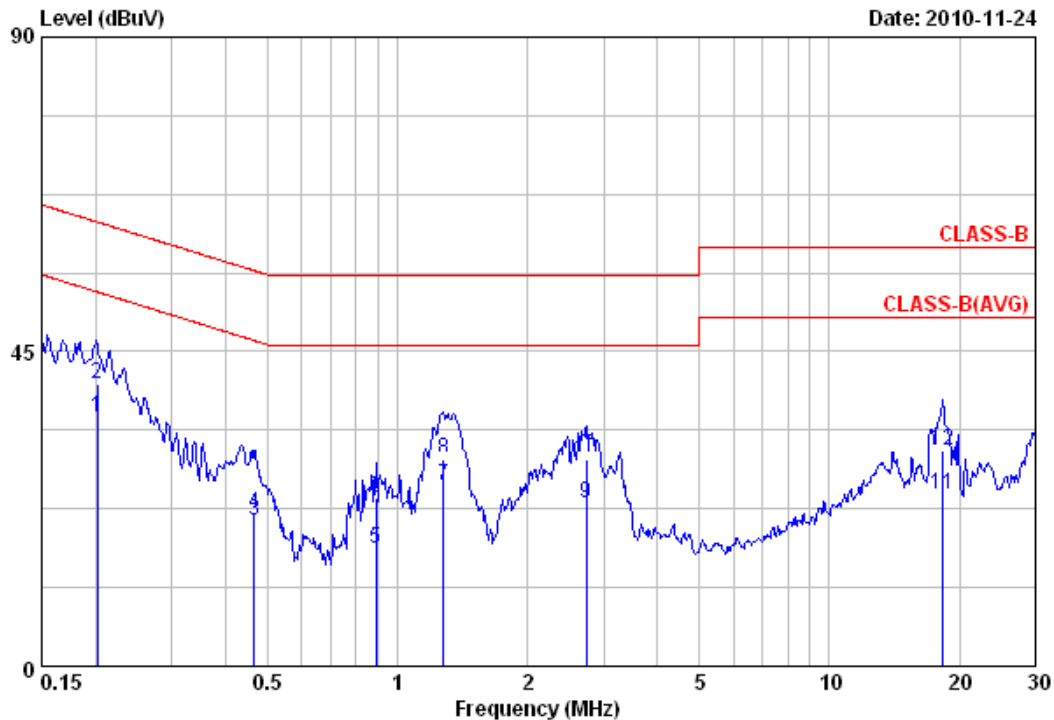
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.17	26.75	0.07	26.82	55.02	-28.20	Average
2	0.17	36.42	0.07	36.49	65.02	-28.53	QP
3	0.22	25.70	0.07	25.77	52.96	-27.19	Average
4	0.22	33.27	0.07	33.34	62.96	-29.62	QP
5	0.46	20.01	0.06	20.07	46.77	-26.70	Average
6	0.46	25.28	0.06	25.34	56.77	-31.43	QP
7	1.36	15.60	0.10	15.70	46.00	-30.30	Average
8	1.36	20.33	0.10	20.43	56.00	-35.57	QP
9	2.74	14.31	0.16	14.47	46.00	-31.53	Average
10	2.74	23.33	0.16	23.49	56.00	-32.51	QP
11	18.26	20.87	0.73	21.60	50.00	-28.40	Average
12	18.26	30.36	0.73	31.09	60.00	-28.91	QP

Notes:

1. Result = Read Value + Factor
2. Factor = LISN Factor + Cable Loss
3. All emission below 1GHz at 802.11b/g/n mode are all the same, so the 802.11g/n mode chosen as representative in final test.
4. According to technical experiences, all spurious emission of 802.11g/n mode at channel 1, 6, 11 or 3, 6, 9 (for HT40) are almost the same below 1GHz, so that the channel 1 or 3 (for HT40) was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 67 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.20	35.52	0.12	35.64	53.55	-17.91	Average
2	0.20	40.24	0.12	40.36	63.55	-23.19	QP
3	0.47	20.73	0.12	20.85	46.57	-25.72	Average
4	0.47	21.62	0.12	21.74	56.57	-34.83	QP
5	0.89	16.54	0.14	16.68	46.00	-29.32	Average
6	0.89	23.86	0.14	24.00	56.00	-32.00	QP
7	1.28	25.71	0.16	25.87	46.00	-20.13	Average
8	1.28	29.54	0.16	29.70	56.00	-26.30	QP
9	2.74	23.15	0.21	23.36	46.00	-22.64	Average
10	2.74	29.39	0.21	29.60	56.00	-26.40	QP
11	18.33	24.15	0.51	24.66	50.00	-25.34	Average
12	18.33	30.40	0.51	30.91	60.00	-29.09	QP

Notes:

1. Result = Read Value + Factor
2. Factor = LISN Factor + Cable Loss
3. All emission below 1GHz at 802.11b/g/n mode are all the same, so the 802.11g/n mode chosen as representative in final test.
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5. The data is worse case.

Test engineer: Ben



5. Test of Radiated Emission

5.1 Test Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2003. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions for unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated ($\mu V / M$)	Radiated (dB $\mu V / M$)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

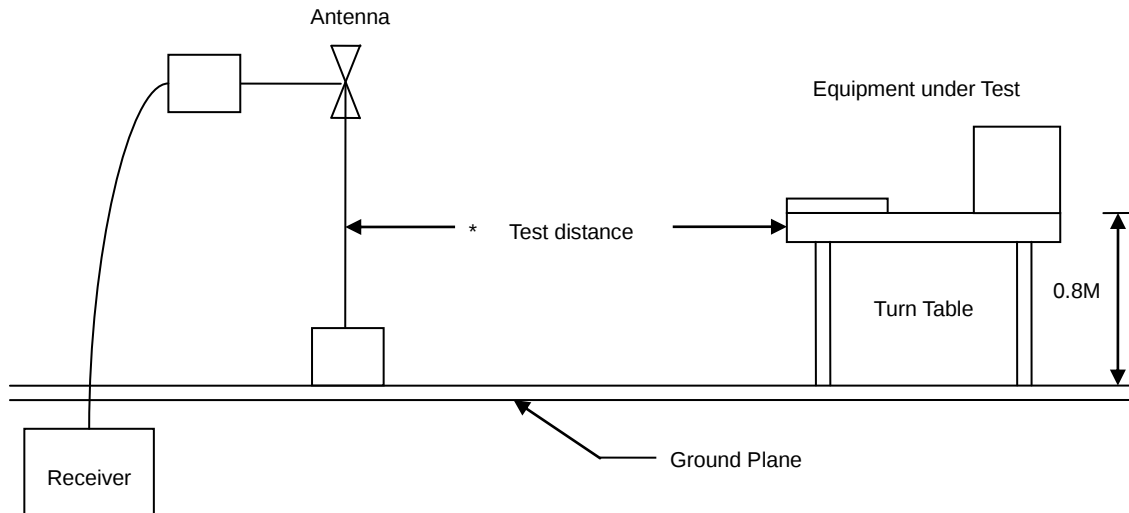
Frequency (MHz)	Distance Meters	Radiated (dB $\mu V / M$)
30-230	10	30
230-1000	10	37

5.2 Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.



5.3 Typical Test Setup



5.4 Measurement Equipment

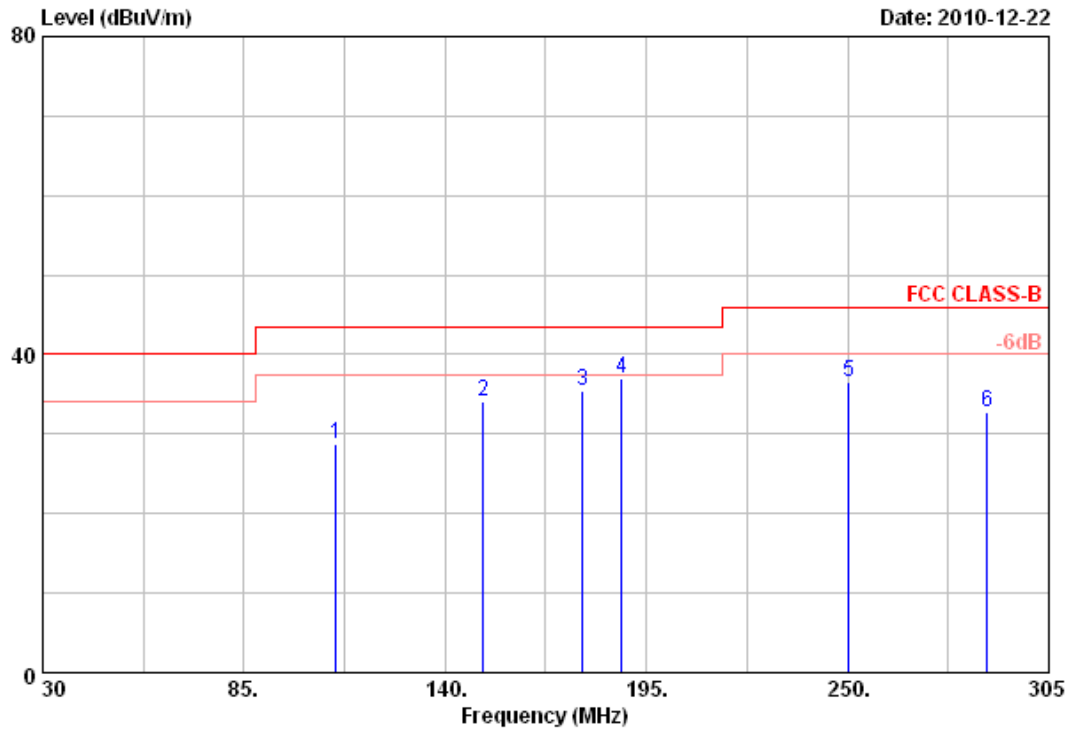
Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Receiver	SCHAFFNER	SCR3501	437	2010/10/14	2011/10/13
Amplifier	Agilent	8447D	2944A10531	2010/02/05	2011/02/04
Bilog Antenna	Schaffner	CBL6112D	22242	2010/02/05	2011/02/04
Spectrum Analyzer	R&S	FSP 3	100800	2010/02/09	2011/02/08
SPECTRUM ANALYZER	R&S	FSP40	100219	2010/11/5	2011/11/4
HORN ANTENNA	EMCO	3115	31589	2010/05/04	2011/05/03
Preamplifier	Agilent	8449B	3008A01954	2010/02/26	2011/02/25



5.5 Test Result and Data

5.5.1 Test Result and Data of Transmitter

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



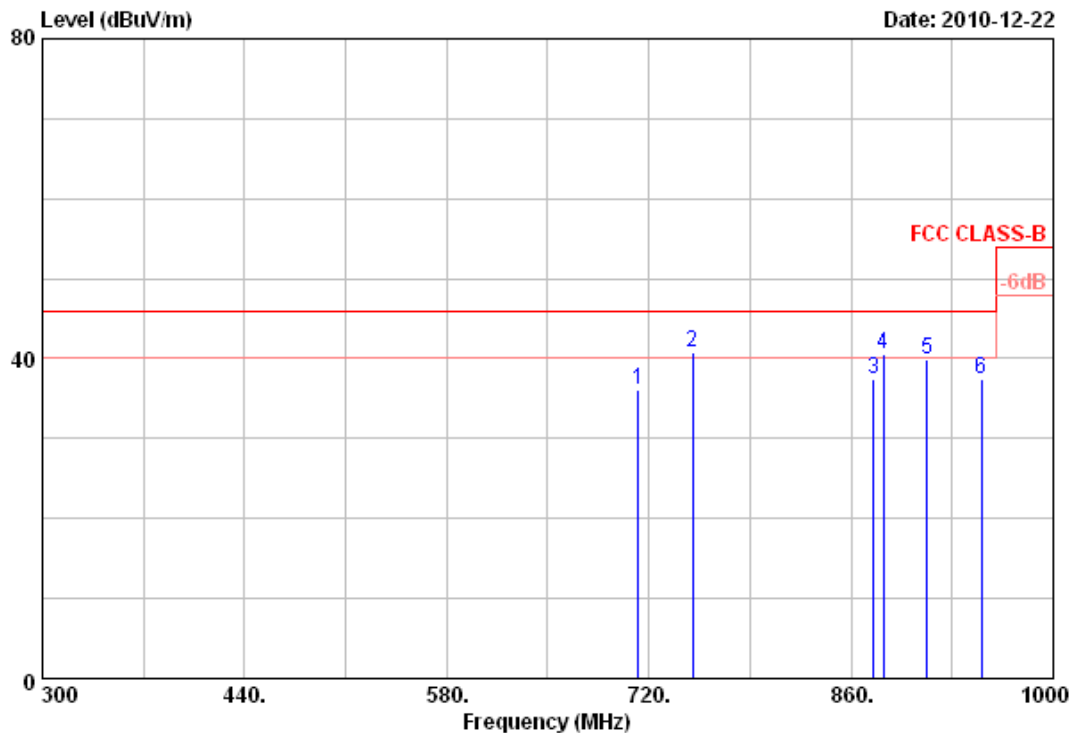
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	110.25	40.35	-11.60	28.75	43.50	-14.75	Peak	100	360
2	150.34	43.66	-9.63	34.03	43.50	-9.47	Peak	100	360
3	177.45	50.56	-15.23	35.33	43.50	-8.17	Peak	100	360
4	188.25	50.66	-13.74	36.92	43.50	-6.58	Peak	100	360
5	250.33	51.36	-14.78	36.58	46.00	-9.42	Peak	100	360
6	288.25	45.85	-13.15	32.70	46.00	-13.30	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g/n mode are all the same, so the 802.11g/n mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g/n mode at channel 1, 6, 11 or 3, 6, 9 (for HT40) are almost the same below 1GHz, so that the channel 1 or 3 (for HT40) was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



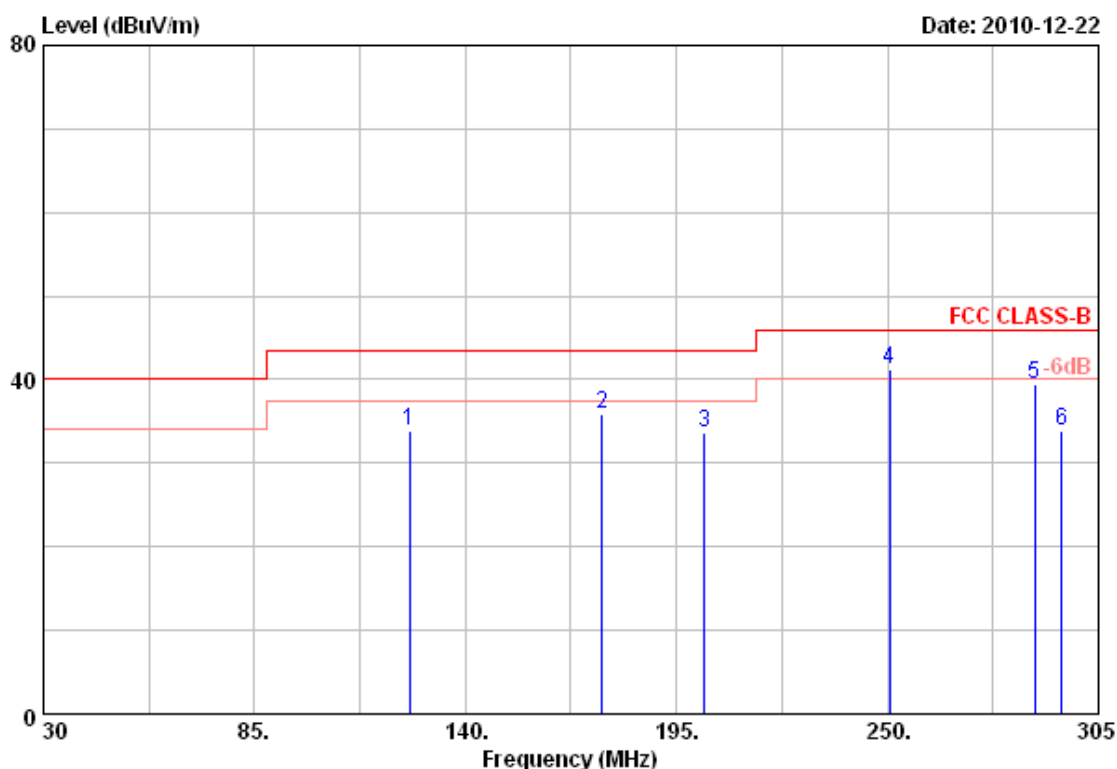
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	712.35	36.67	-0.55	36.12	46.00	-9.88	Peak	100	0
2	750.45	35.64	5.22	40.86	46.00	-5.14	Peak	100	0
3	875.45	30.37	7.08	37.45	46.00	-8.55	Peak	100	0
4	882.65	35.12	5.53	40.65	46.00	-5.35	Peak	100	0
5	912.36	33.37	6.56	39.93	46.00	-6.07	Peak	100	0
6	950.36	31.26	6.09	37.35	46.00	-8.65	Peak	100	0

Notes:

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Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



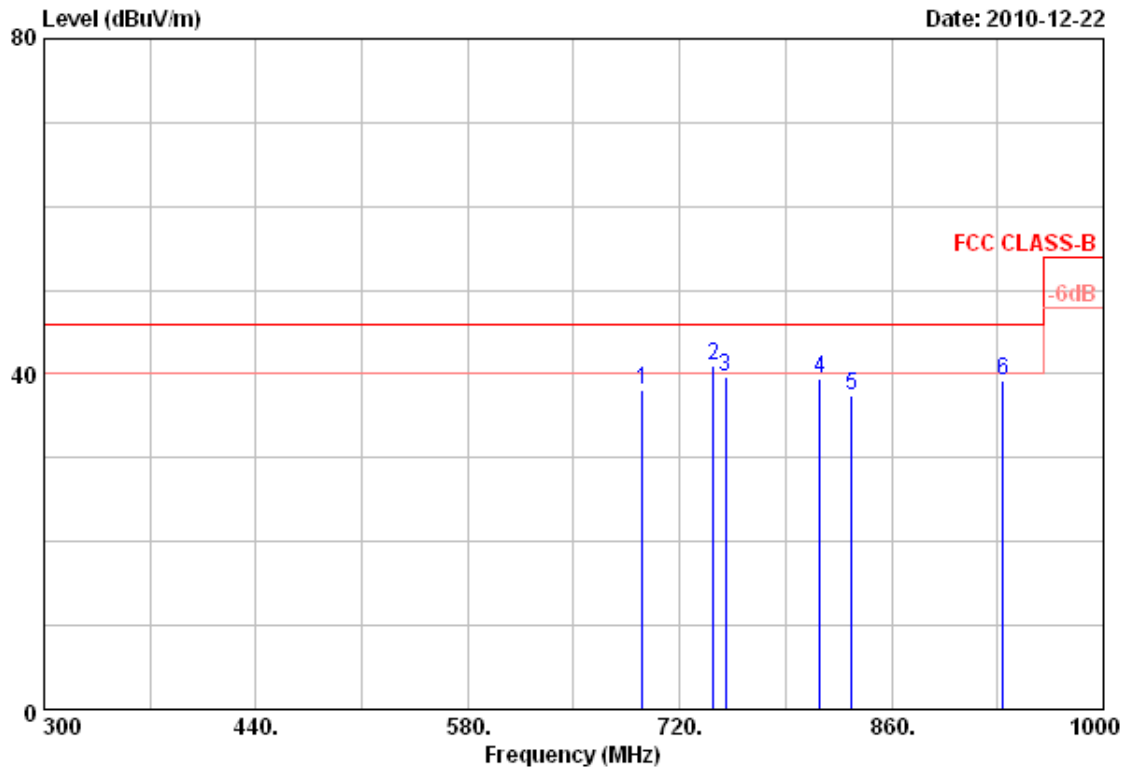
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	125.36	49.66	-15.83	33.83	43.50	-9.67	Peak	100	360
2	175.65	56.68	-20.75	35.93	43.50	-7.57	Peak	100	360
3	202.36	50.50	-16.77	33.73	43.50	-9.77	Peak	100	360
4	250.65	54.66	-13.51	41.15	46.00	-4.85	Peak	100	360
5	288.45	53.35	-13.83	39.52	46.00	-6.48	Peak	100	360
6	295.38	48.11	-14.19	33.92	46.00	-12.08	Peak	100	360

Notes:

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3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
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5. According to technical experiences, all spurious emission of 802.11g/n mode at channel 1, 6, 11 or 3, 6, 9 (for HT40) are almost the same below 1GHz, so that the channel 1 or 3 (for HT40) was chosen as representative in final test.
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Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



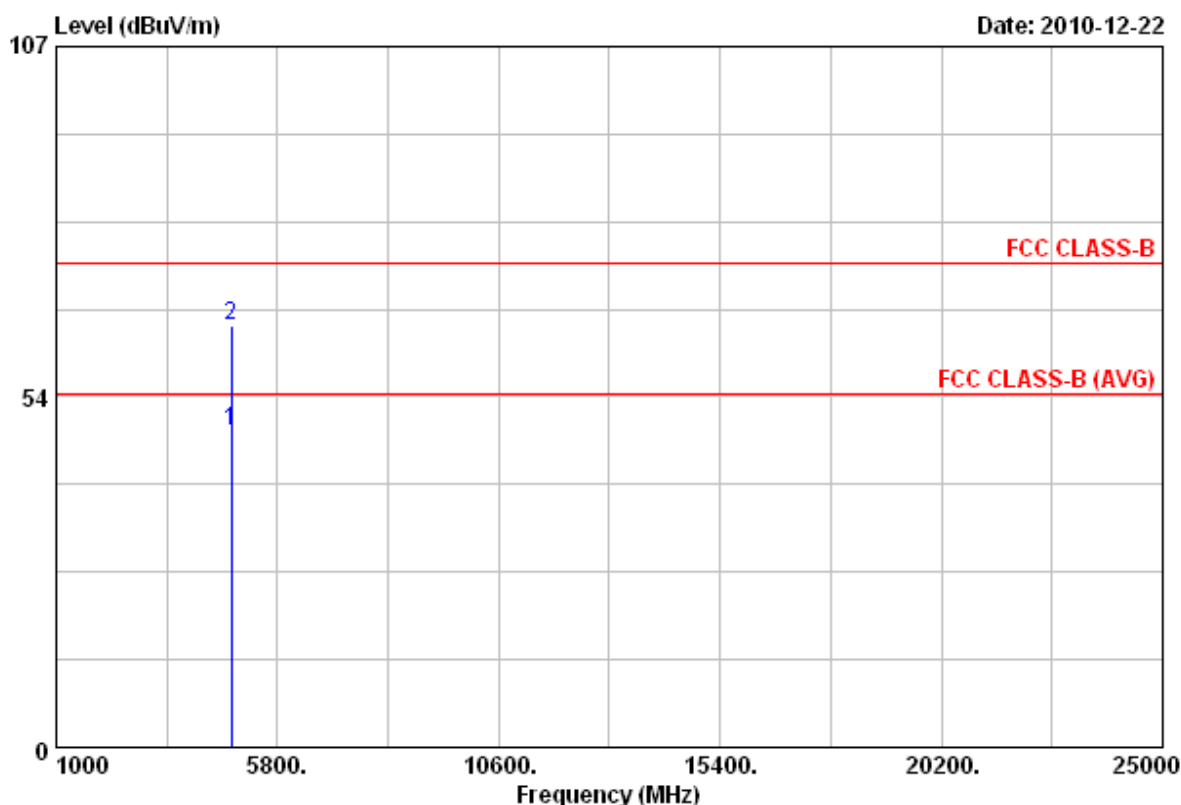
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	695.55	34.18	3.85	38.03	46.00	-7.97	Peak	100	0
2	742.35	34.98	5.95	40.93	46.00	-5.07	Peak	100	0
3	750.25	33.25	6.45	39.70	46.00	-6.30	Peak	100	0
4	812.36	36.33	3.13	39.46	46.00	-6.54	Peak	100	0
5	833.36	33.15	4.36	37.51	46.00	-8.49	Peak	100	0
6	933.37	31.24	8.04	39.28	46.00	-6.72	Peak	100	0

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Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



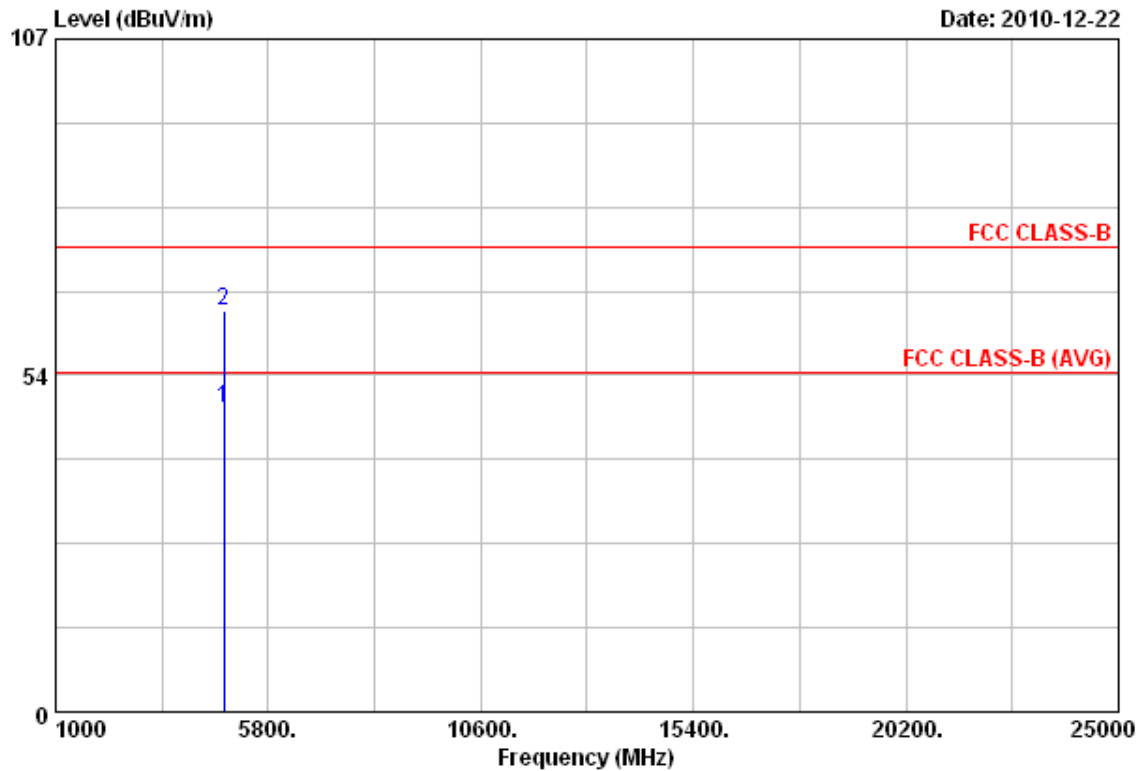
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4806.00	33.36	15.05	48.41	54.00	-5.59	Average	100	0
2	4806.00	49.34	15.05	64.39	74.00	-9.61	Peak	100	218

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



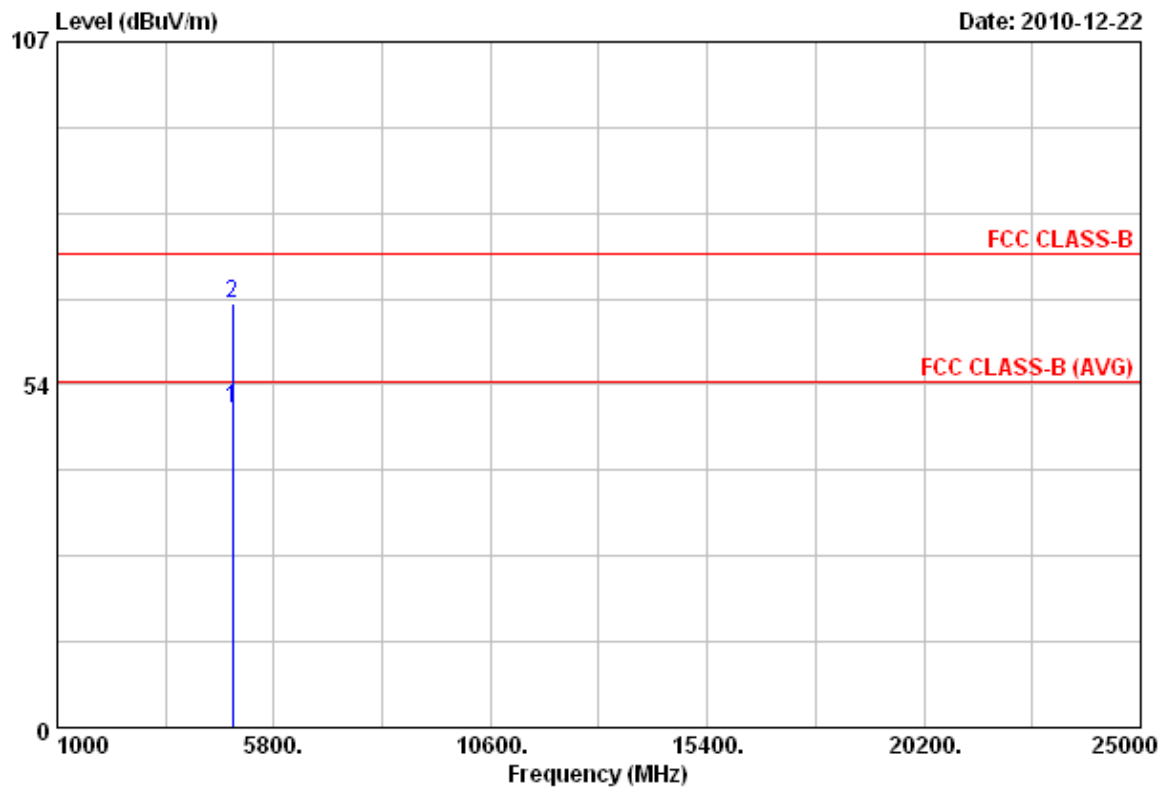
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4806.00	33.36	15.05	48.41	54.00	-5.59	Average	100	360
2	4806.00	48.65	15.05	63.70	74.00	-10.30	Peak	100	206

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH8: 2438MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



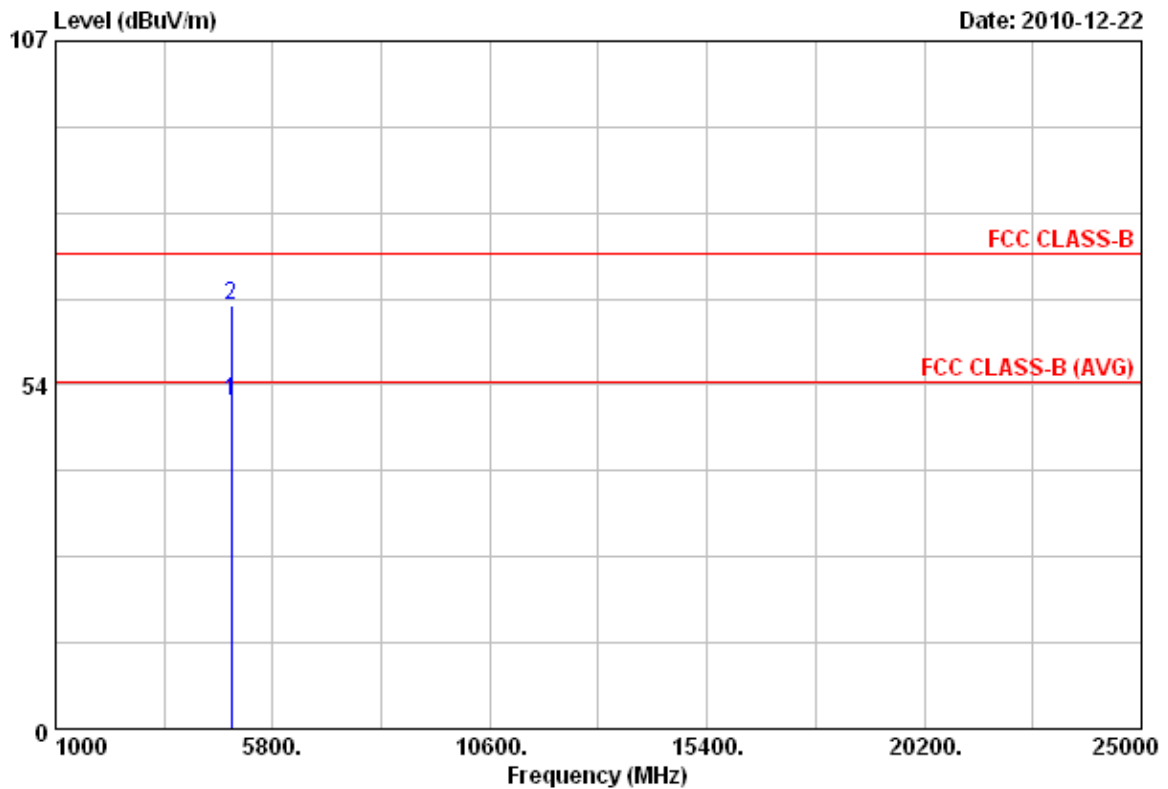
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4876.00	34.65	15.24	49.89	54.00	-4.11	Average	100	0
2	4876.00	50.96	15.24	66.20	74.00	-7.80	Peak	100	150

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300KHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH8: 2438MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



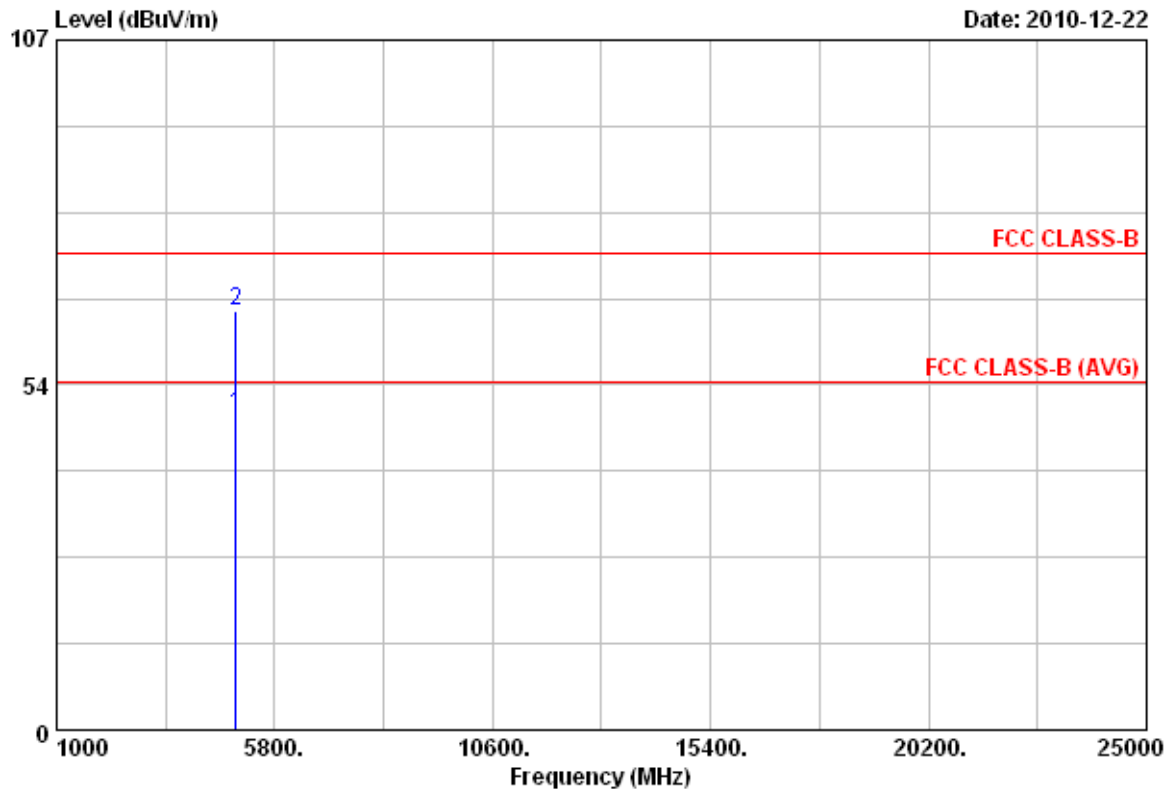
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4876.00	35.65	15.24	50.89	54.00	-3.11	Average	100	0
2	4876.00	50.66	15.24	65.90	74.00	-8.10	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH16: 2478MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



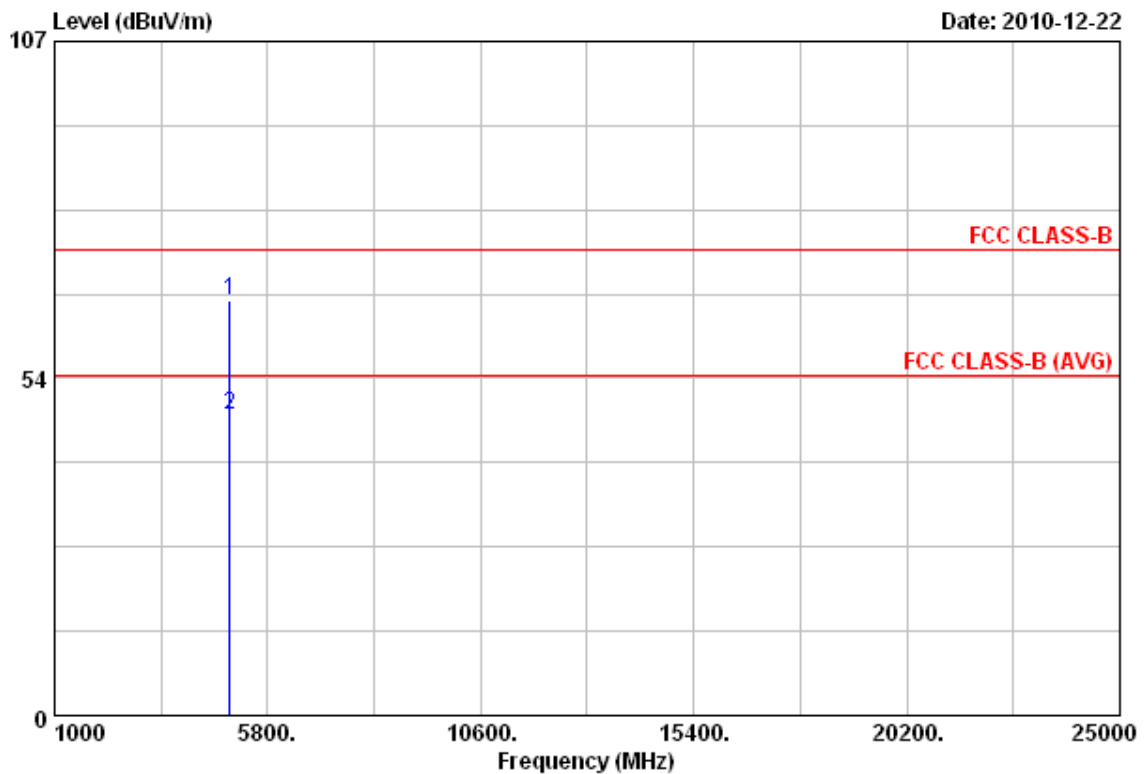
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4956.00	33.37	15.45	48.82	54.00	-5.18	Average	100	360
2	4956.00	49.65	15.45	65.10	74.00	-8.90	Peak	100	87

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH16: 2478MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	4955.75	50.36	15.45	65.81	74.00	-8.19		100	0
2	4955.88	32.33	15.45	47.78	54.00	-6.22	Average	100	0

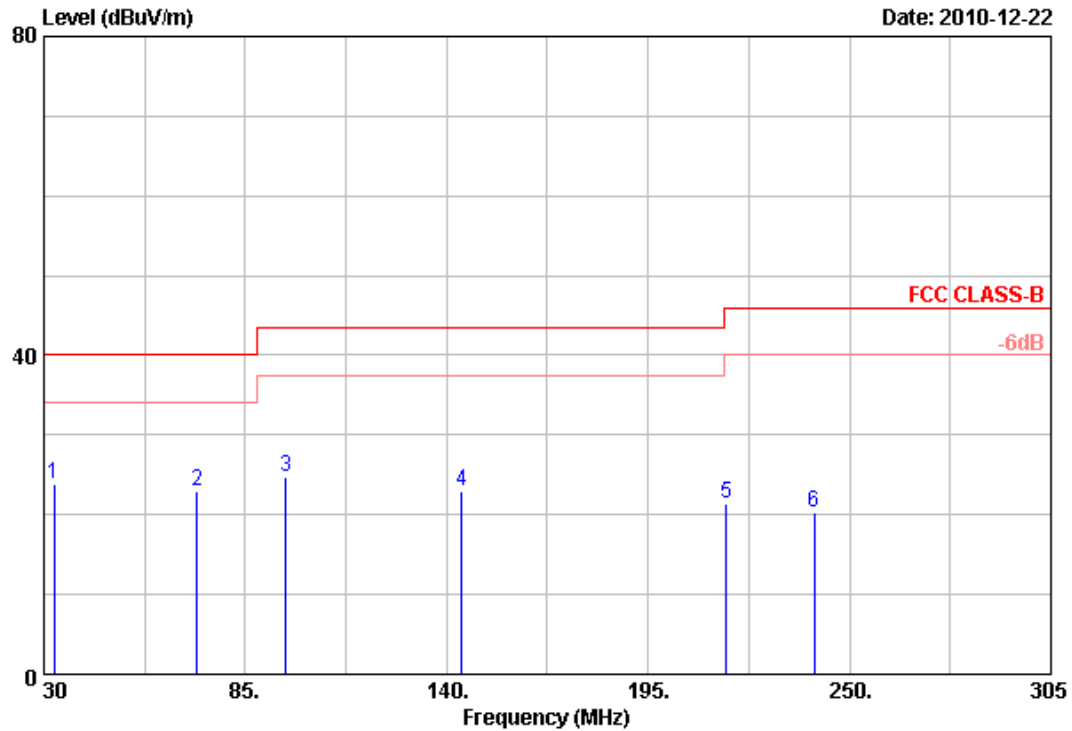
Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



5.5.2 Test Result and Data of Receiver

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



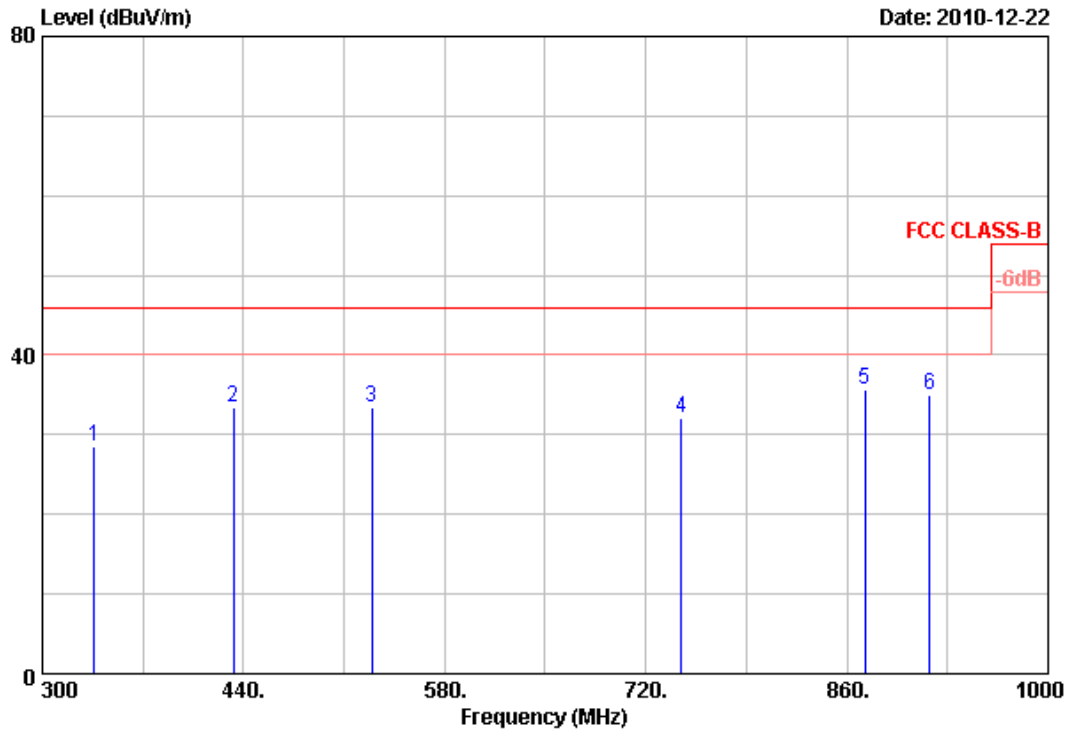
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	32.75	27.99	-4.20	23.79	40.00	-16.21	Peak	100	360
2	71.80	39.32	-16.30	23.02	40.00	-16.98	Peak	100	360
3	96.00	36.74	-11.92	24.82	43.50	-18.68	Peak	100	360
4	144.13	32.43	-9.57	22.86	43.50	-20.64	Peak	100	360
5	216.45	38.04	-16.57	21.47	46.00	-24.53	Peak	100	360
6	240.38	36.44	-16.10	20.34	46.00	-25.66	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g/n mode are all the same, so the 802.11g/n mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g/n mode at channel 1, 6, 11 or 3, 6, 9 (for HT40) are almost the same below 1GHz, so that the channel 1 or 3 (for HT40) was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



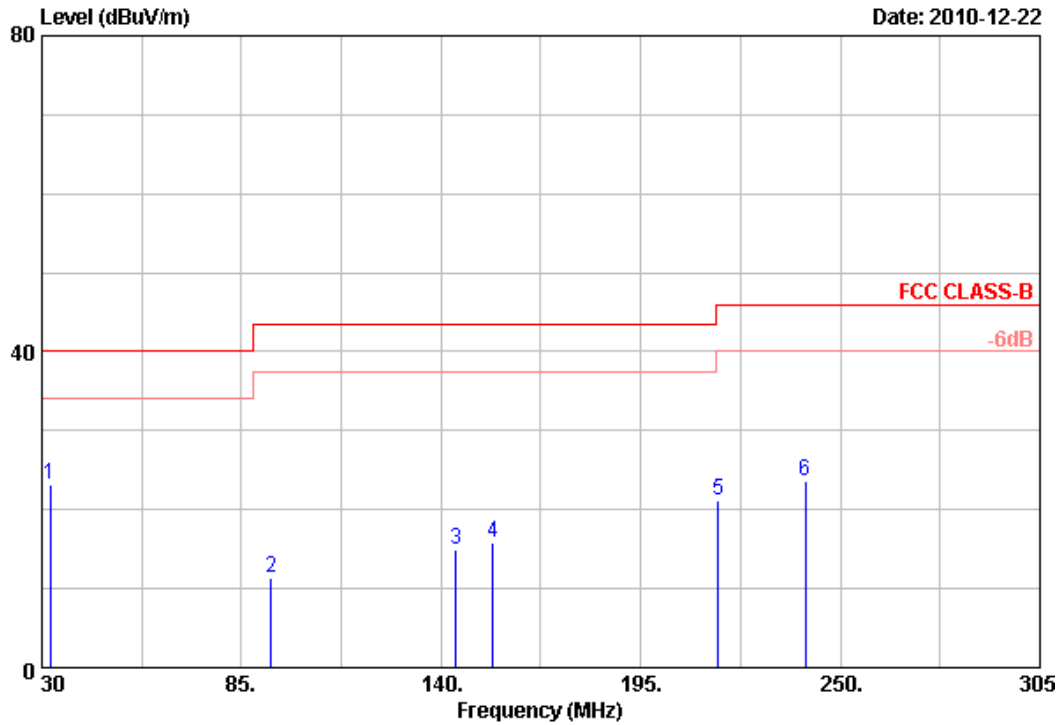
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	336.40	38.93	-10.34	28.59	46.00	-17.41	Peak	100	0
2	433.00	41.63	-8.19	33.44	46.00	-12.56	Peak	100	0
3	529.60	39.76	-6.23	33.53	46.00	-12.47	Peak	100	0
4	744.50	29.02	3.10	32.12	46.00	-13.88	Peak	100	0
5	872.60	28.96	6.73	35.69	46.00	-10.31	Peak	100	0
6	917.40	27.09	7.86	34.95	46.00	-11.05	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g/n mode are all the same, so the 802.11g/n mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g/n mode at channel 1, 6, 11 or 3, 6, 9 (for HT40) are almost the same below 1GHz, so that the channel 1 or 3 (for HT40) was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



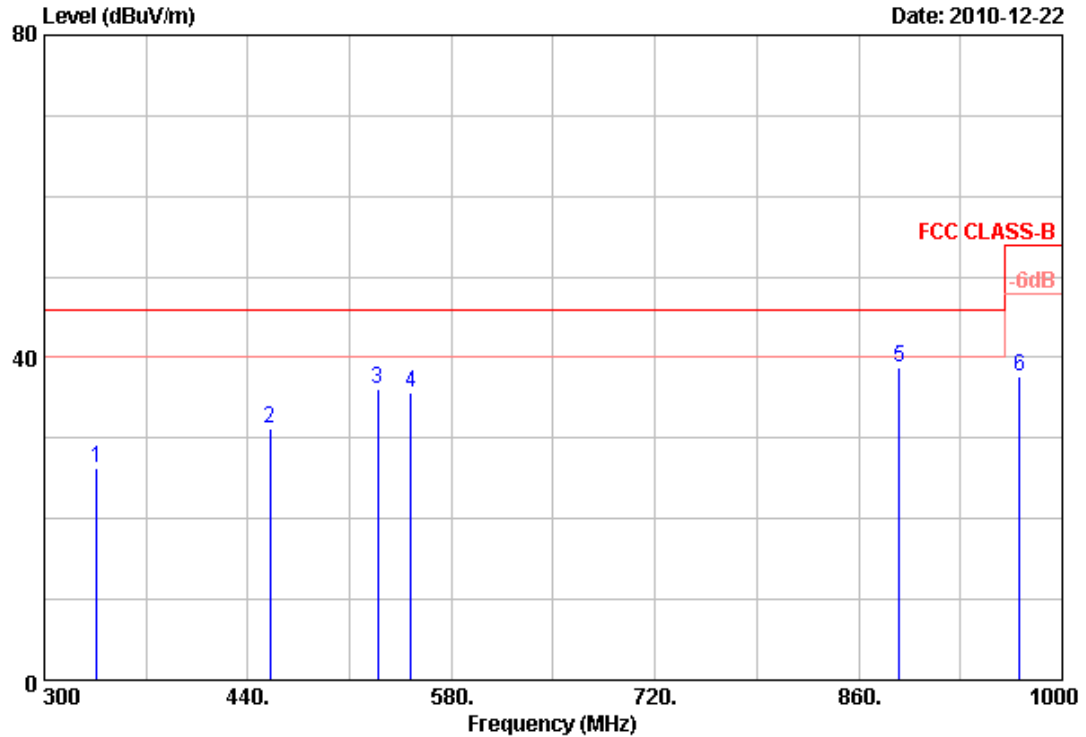
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	32.20	28.07	-4.85	23.22	40.00	-16.78	Peak	100	360
2	93.25	32.47	-21.09	11.38	43.50	-32.12	Peak	100	360
3	144.13	32.61	-17.76	14.85	43.50	-28.65	Peak	100	360
4	154.30	34.90	-19.04	15.86	43.50	-27.64	Peak	100	360
5	216.45	37.72	-16.55	21.17	46.00	-24.83	Peak	100	360
6	240.38	39.08	-15.37	23.71	46.00	-22.29	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11g/n mode are all the same,so the 802.11g/n mode chosen as representative in final test.
5. According to technical experiences,all spurious emission of 802.11g/n mode at channel 1,6,11 or 3,6,9(for HT40) are almost the same below 1GHz,so that the channel 1 or 3(for HT40)was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



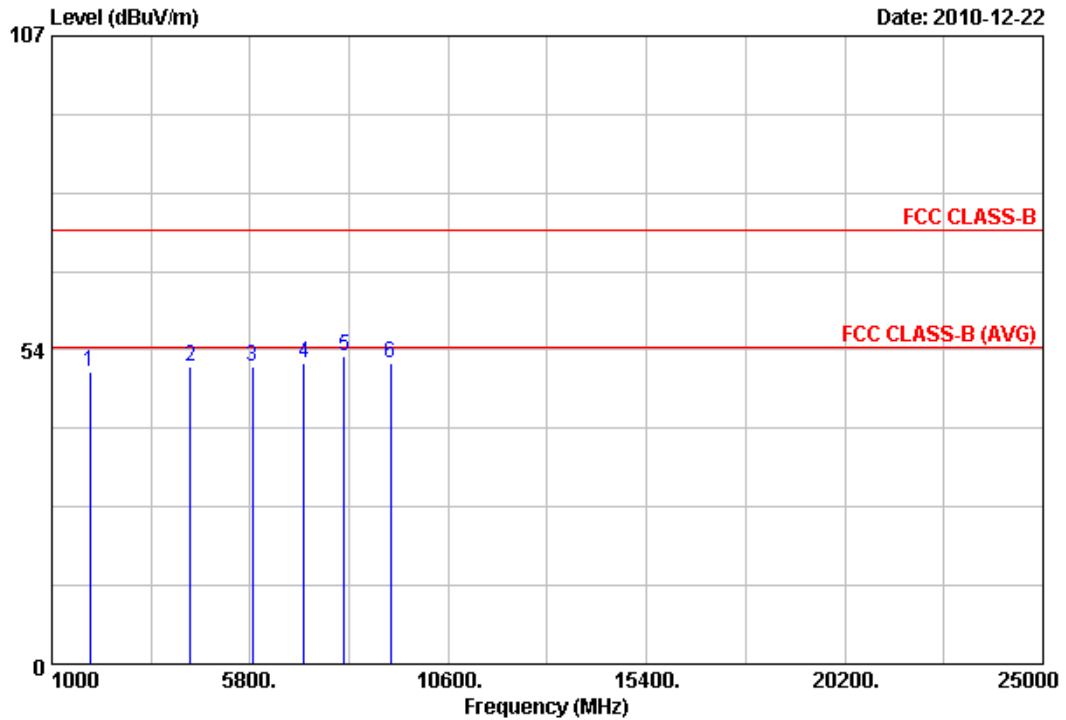
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	336.40	39.24	-12.97	26.27	46.00	-19.73	Peak	100	0
2	455.40	39.58	-8.31	31.27	46.00	-14.73	Peak	100	0
3	529.60	39.75	-3.63	36.12	46.00	-9.88	Peak	100	0
4	552.00	36.47	-0.76	35.71	46.00	-10.29	Peak	100	0
5	888.00	28.40	10.34	38.74	46.00	-7.26	Peak	100	0
6	970.60	27.12	10.64	37.76	54.00	-16.24	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g/n mode are all the same, so the 802.11g/n mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g/n mode at channel 1, 6, 11 or 3, 6, 9 (for HT40) are almost the same below 1GHz, so that the channel 1 or 3 (for HT40) was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



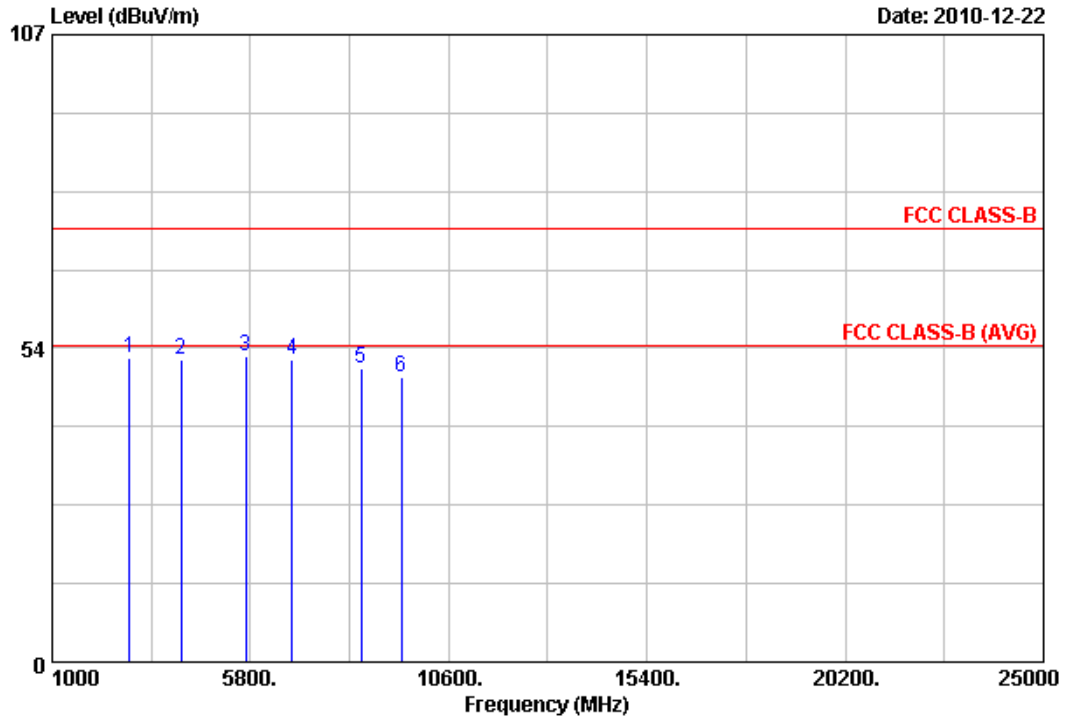
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	1912.00	43.07	6.74	49.81	74.00	-24.19	Peak	100	360
2	4360.00	36.65	14.16	50.81	74.00	-23.19	Peak	100	360
3	5848.00	34.20	16.38	50.58	74.00	-23.42	Peak	100	360
4	7096.00	33.23	17.90	51.13	74.00	-22.87	Peak	100	360
5	8080.00	33.48	18.97	52.45	74.00	-21.55	Peak	100	360
6	9208.00	30.47	20.79	51.26	74.00	-22.74	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH1: 2403MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



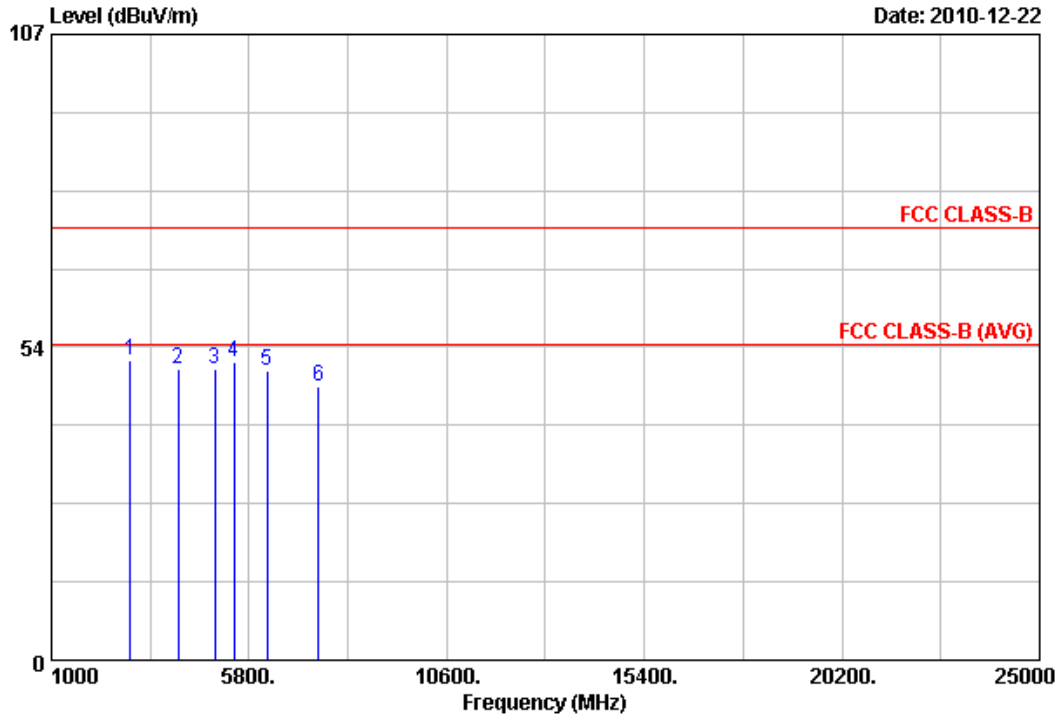
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	2872.00	41.13	10.72	51.85	74.00	-22.15	Peak	100	360
2	4120.00	37.64	14.06	51.70	74.00	-22.30	Peak	100	360
3	5680.00	35.90	16.26	52.16	74.00	-21.84	Peak	100	360
4	6808.00	34.31	17.25	51.56	74.00	-22.44	Peak	100	360
5	8488.00	30.55	19.59	50.14	74.00	-23.86	Peak	100	360
6	9448.00	27.36	21.08	48.44	74.00	-25.56	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH8: 2438MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



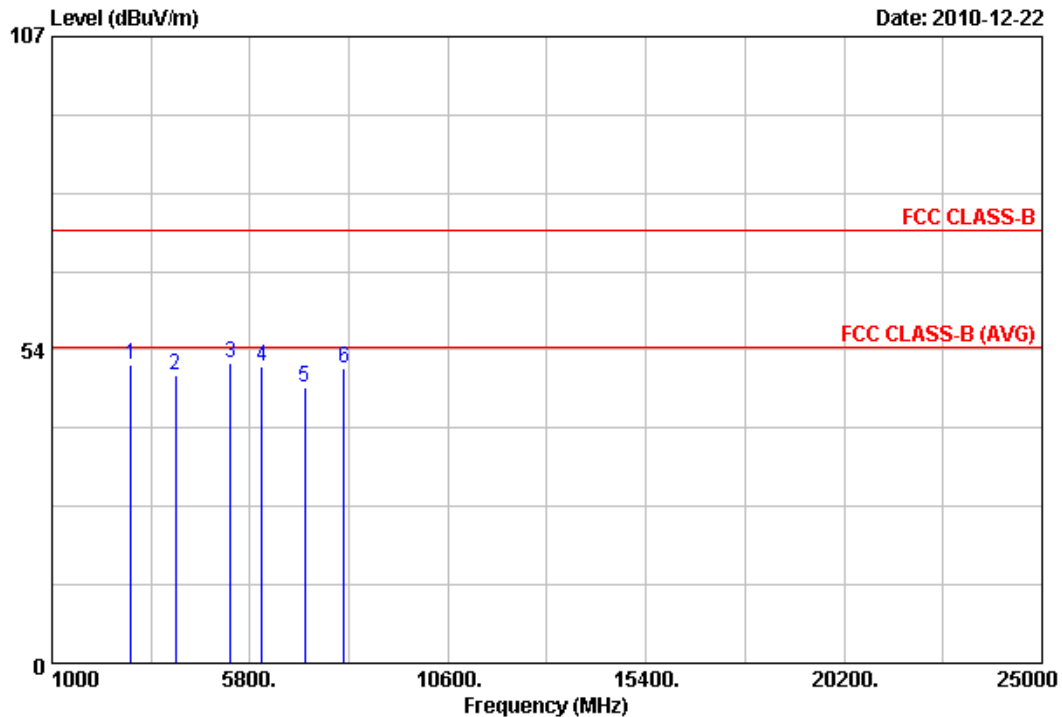
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	2920.00	40.38	10.94	51.32	74.00	-22.68	Peak	100	0
2	4072.00	35.71	14.03	49.74	74.00	-24.26	Peak	100	0
3	4960.00	34.29	15.46	49.75	74.00	-24.25	Peak	100	0
4	5440.00	34.93	16.06	50.99	74.00	-23.01	Peak	100	0
5	6232.00	33.07	16.51	49.58	74.00	-24.42	Peak	100	0
6	7480.00	27.91	18.77	46.68	74.00	-27.32	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH8: 2438MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



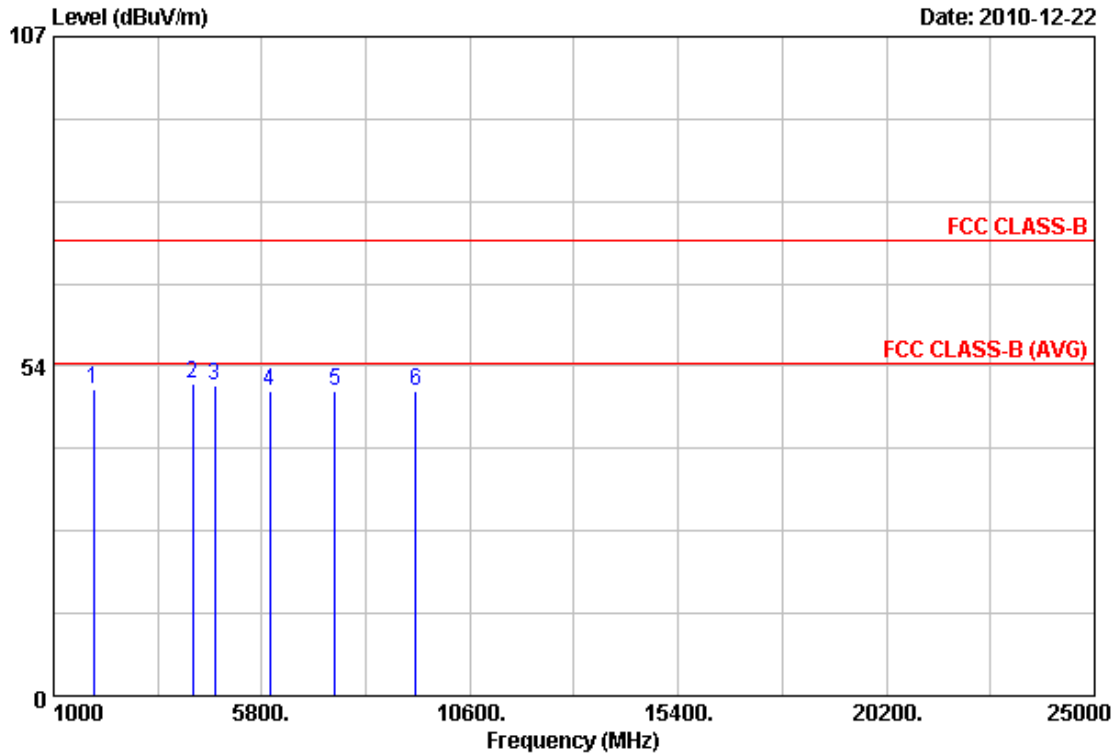
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	2920.00	40.03	10.94	50.97	74.00	-23.03	Peak	100	198
2	4000.00	35.22	14.00	49.22	74.00	-24.78	Peak	100	198
3	5320.00	35.30	15.92	51.22	74.00	-22.78	Peak	100	198
4	6088.00	34.08	16.50	50.58	74.00	-23.42	Peak	100	198
5	7120.00	29.19	17.96	47.15	74.00	-26.85	Peak	100	198
6	8080.00	31.40	18.97	50.37	74.00	-23.63	Peak	100	198

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: CH16: 2478MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



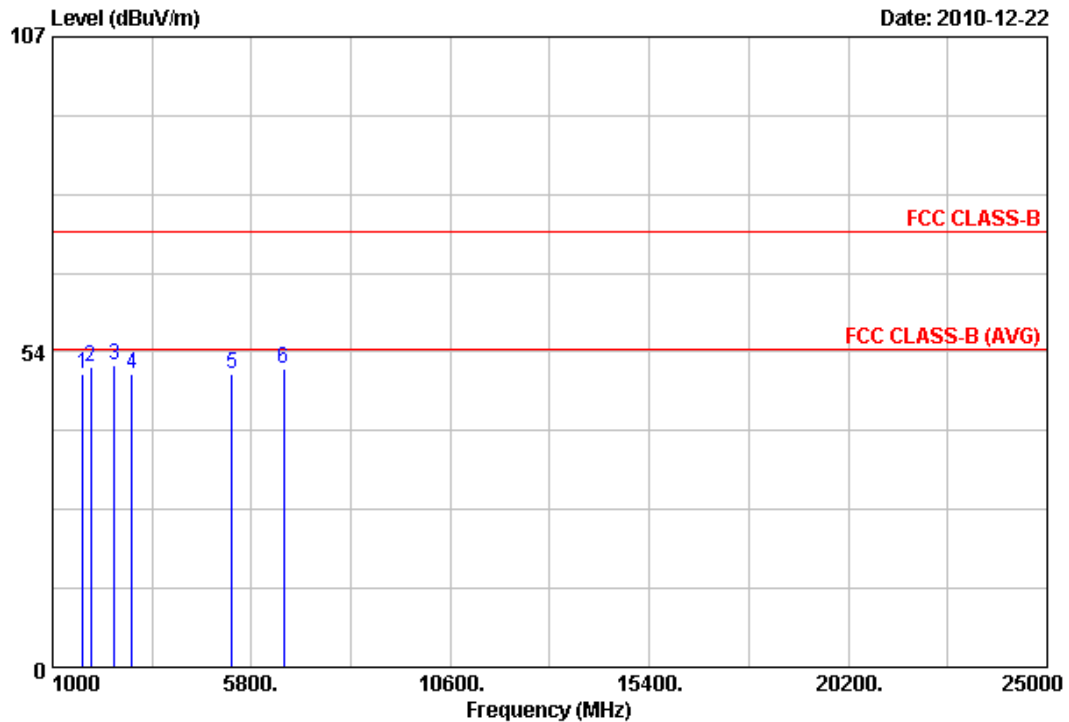
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	1912.00	42.96	6.74	49.70	74.00	-24.30	Peak	100	360
2	4216.00	36.58	14.10	50.68	74.00	-23.32	Peak	100	360
3	4720.00	35.42	14.81	50.23	74.00	-23.77	Peak	100	360
4	5992.00	33.08	16.49	49.57	74.00	-24.43	Peak	100	360
5	7480.00	30.57	18.77	49.34	74.00	-24.66	Peak	100	360
6	9352.00	28.57	20.96	49.53	74.00	-24.47	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: CH16: 2478MHz	Temperature	: 23 °C
Memo	:	Humidity	: 65 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	1720.00	44.71	5.14	49.85	74.00	-24.15	Peak	100	0
2	1912.00	44.34	6.74	51.08	74.00	-22.92	Peak	100	0
3	2488.00	42.20	9.14	51.34	74.00	-22.66	Peak	100	0
4	2920.00	38.77	10.94	49.71	74.00	-24.29	Peak	100	0
5	5320.00	33.71	15.92	49.63	74.00	-24.37	Peak	100	0
6	6568.00	34.05	16.70	50.75	74.00	-23.25	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Test engineer:



6. 6dB Bandwidth Measurement Data

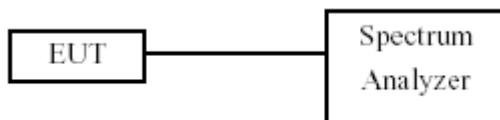
6.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

6.2 Test Procedures

- The transmitter output was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 100 KHz and VBW to 100 KHz.
- The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

6.3 Test Setup Layout



6.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	R&S	FSP40	100047	2010/05/08	2011/05/07

6.5 Test Result and Data

Test Date: Dec, 20, 2010

Temperature: 25°C

Atmospheric pressure: 1020 hPa

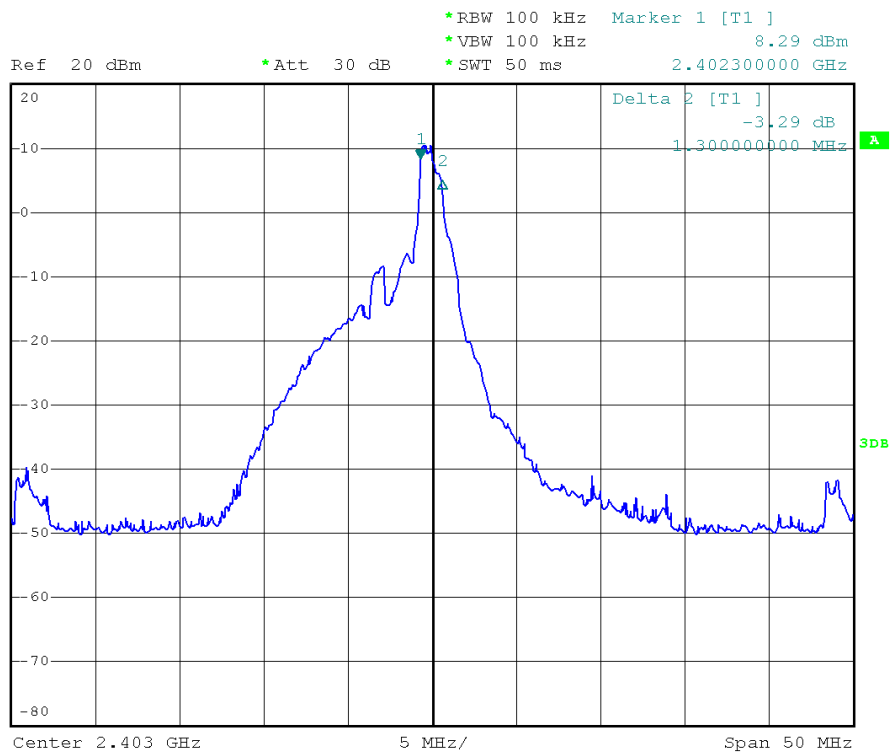
Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
DSSS	01	2403	1.3	3.4
	08	2438	1.1	4.2
	16	2478	1.3	4.0



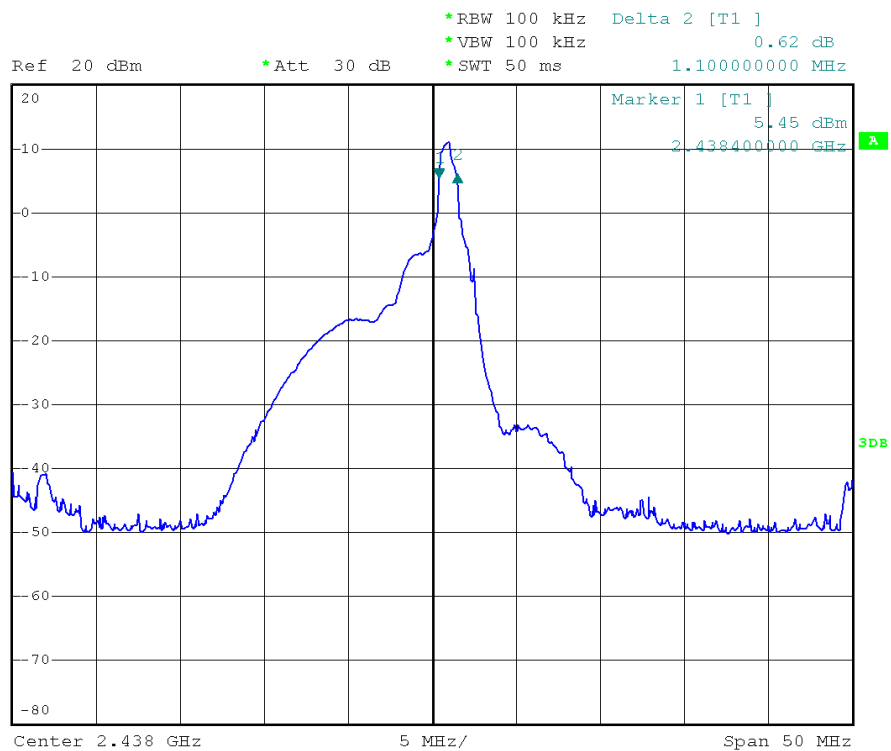
Modulation Standard: DSSS

Channel: 01



Modulation Standard: DSSS

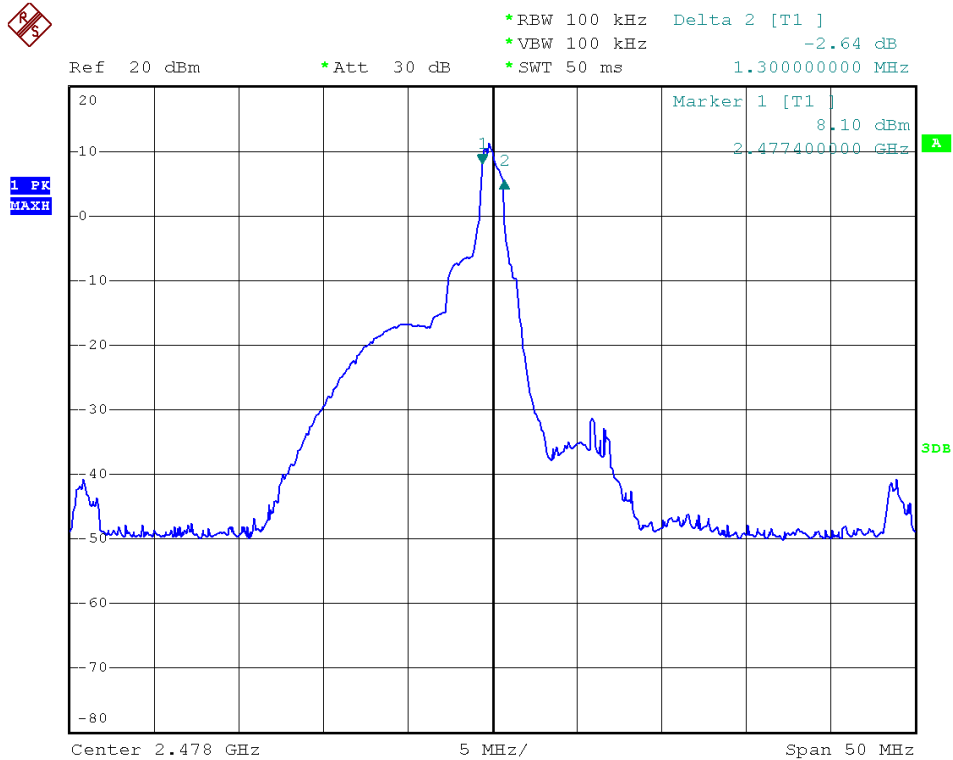
Channel: 08





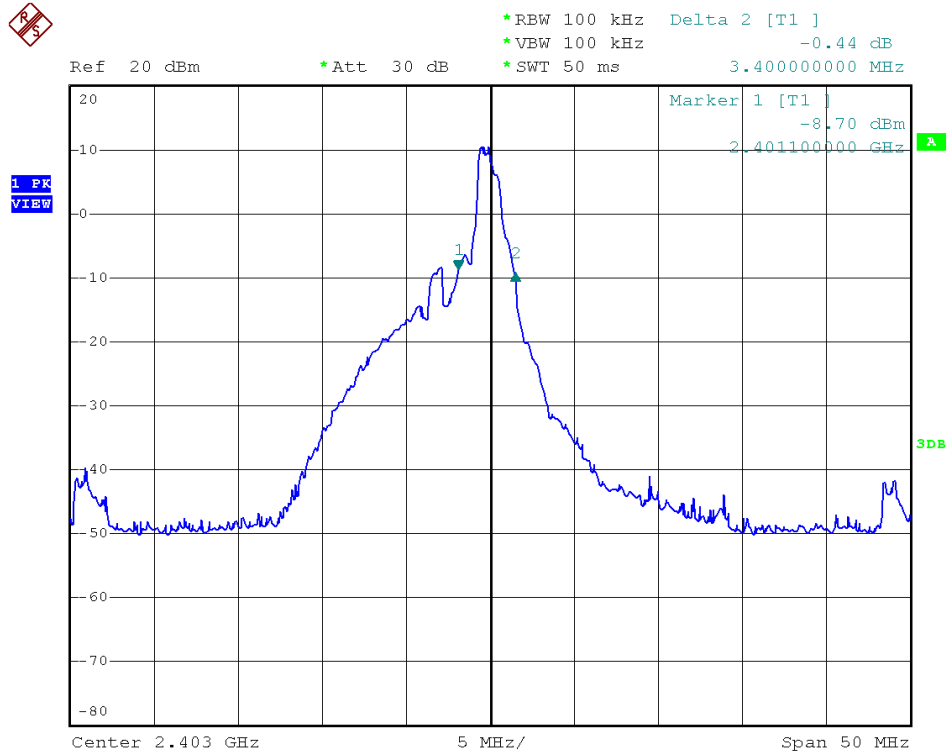
Modulation Standard: DSSS

Channel: 16



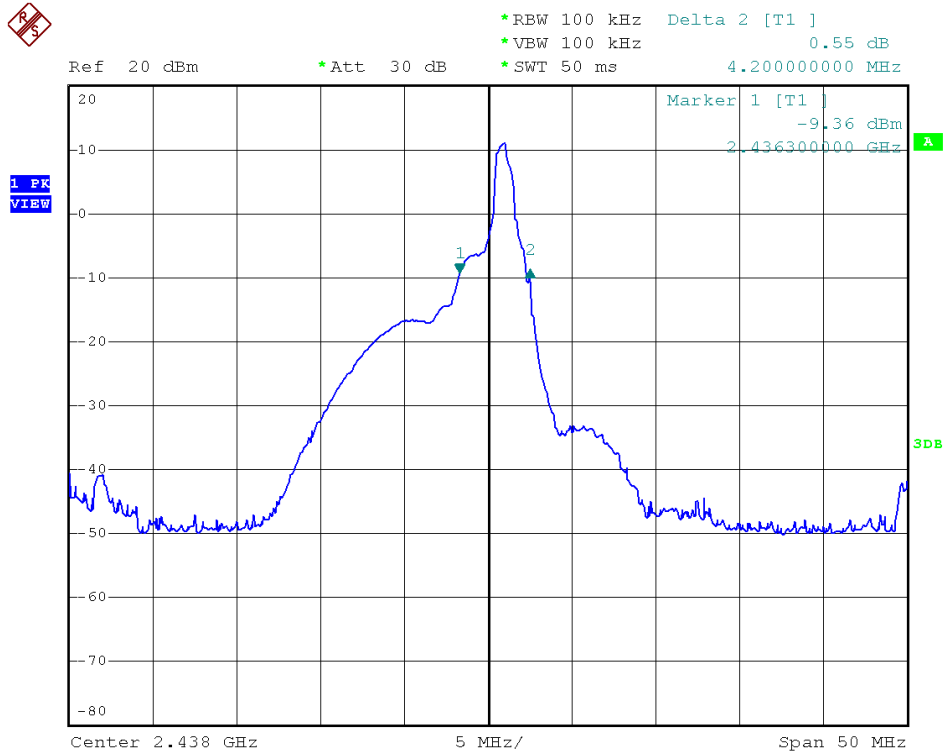
Modulation Standard: DSSS, 99% Bandwidth

Channel: 01

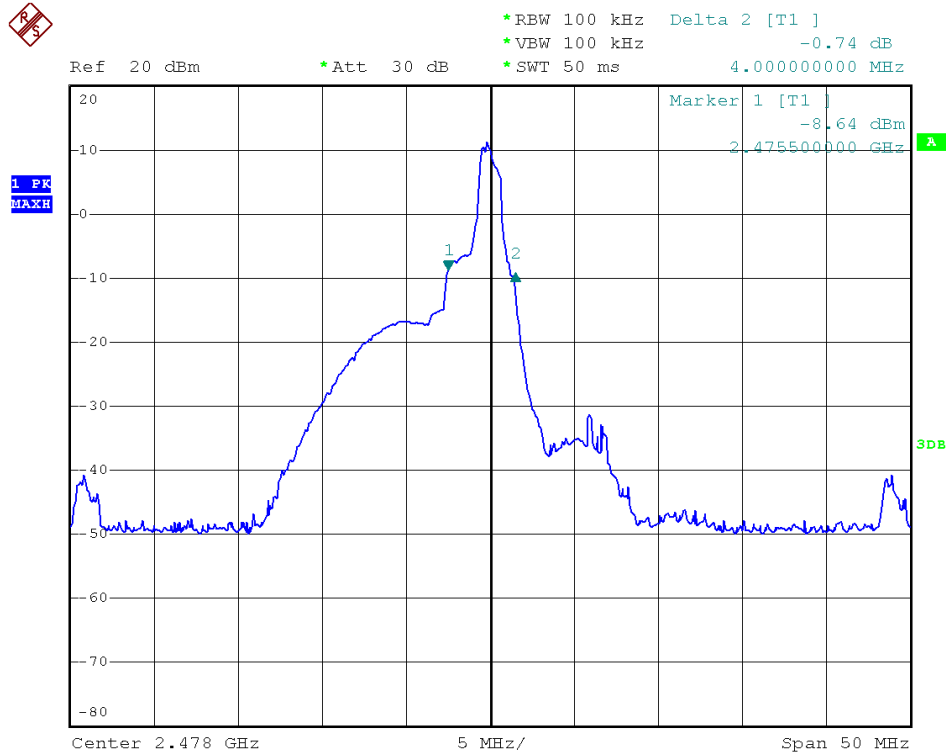




Modulation Standard: DSSS, 99% Bandwidth
Channel: 08



Modulation Standard: DSSS, 99% Bandwidth
Channel: 16





7. Maximum Peak Output Power

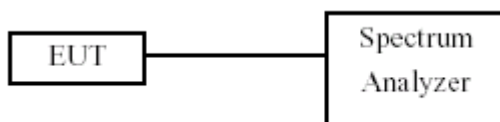
7.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

7.2 Test Procedures

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

7.3 Test Setup Layout



7.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	R&S	FSP40	100047	2010/05/08	2011/05/07

7.5 Test Result and Data

Test Date: Dec, 20, 2010

Temperature: 25°C

Atmospheric pressure: 1020 hPa

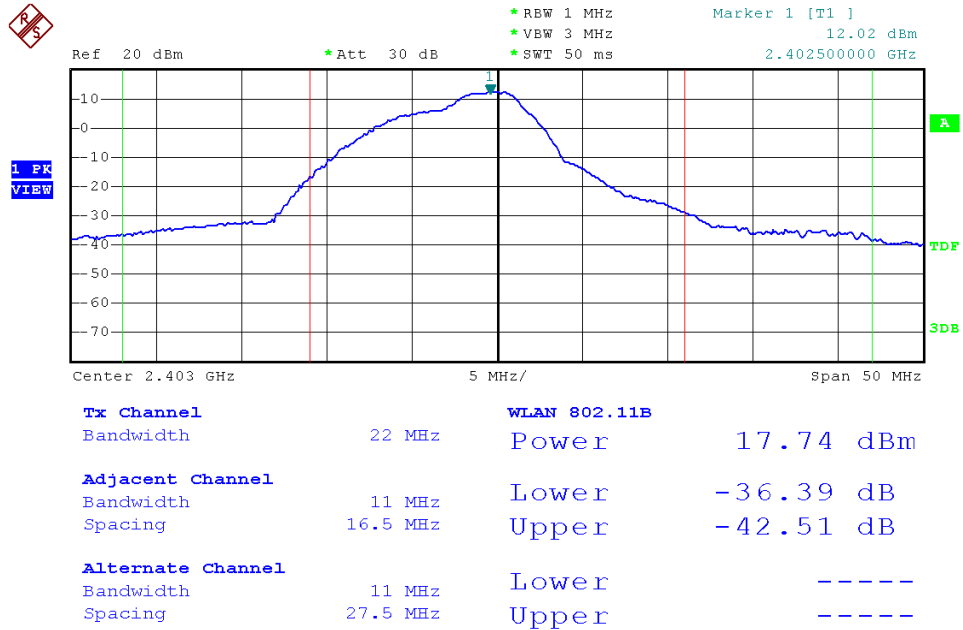
Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
DSSS	01	2403	17.74	59.4
	08	2438	17.52	56.5
	16	2478	17.47	55.8



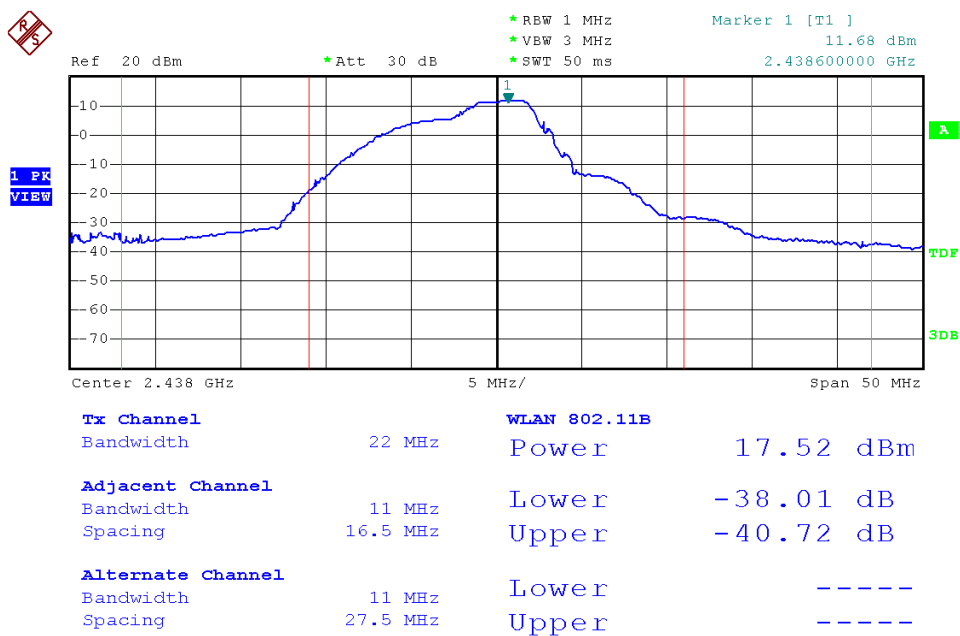
Modulation Standard: DSSS

Channel: 01



Modulation Standard: DSSS

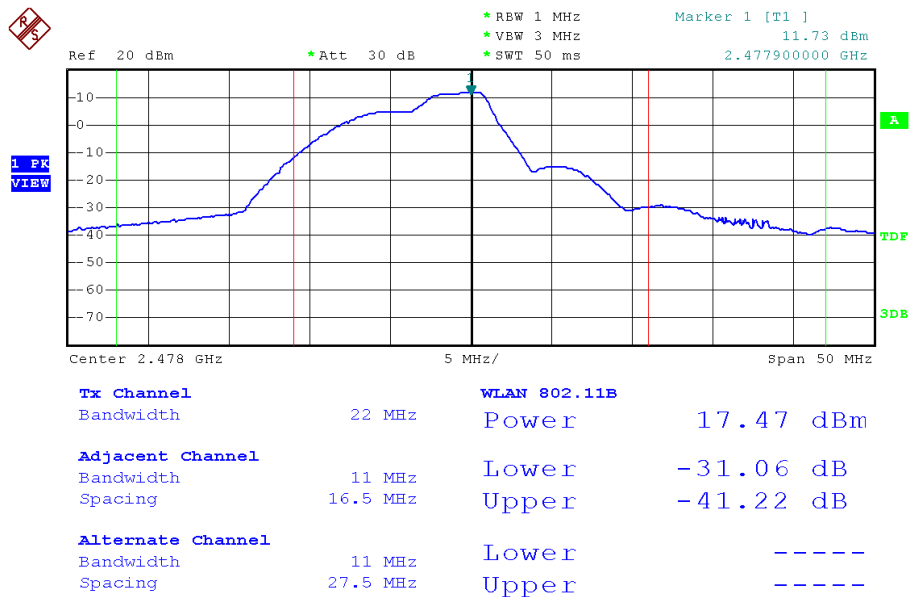
Channel: 08





Modulation Standard: DSSS

Channel: 16





8. Power Spectral Density

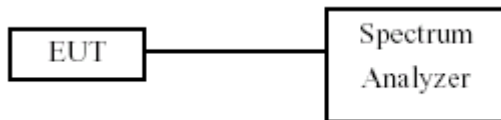
8.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

8.2 Test Procedures

- The transmitter output was connected to spectrum analyzer.
- The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=span/3KHz.
- The power spectral density was measured and recorded.
- The Sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

8.3 Test Setup Layout



8.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	R&S	FSP40	100047	2010/05/08	2011/05/07

8.5 Test Result and Data

Test Date: Dec, 20, 2010

Temperature: 25°C

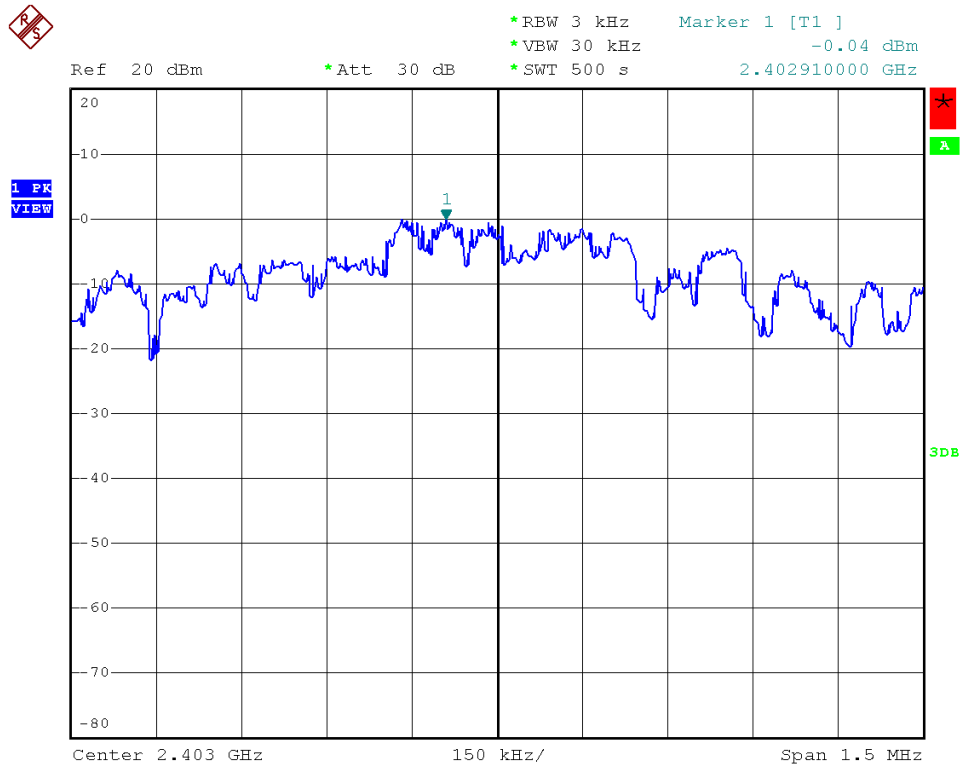
Atmospheric pressure: 1020 hPa

Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Maximum Power Density of 3 kHz Bandwidth (dBm)
DSSS	01	2403	-0.04
	08	2438	-6.40
	16	2478	0.17



Modulation Standard: DSSS
Channel: 01

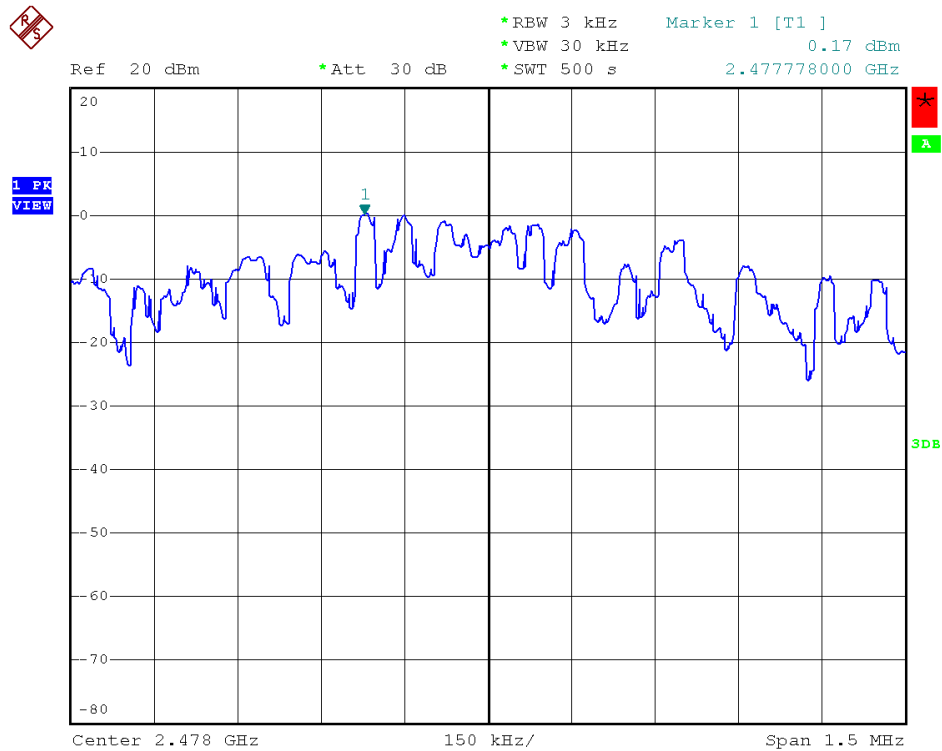


Modulation Standard: DSSS
Channel: 08





Modulation Standard: DSSS
Channel: 16





9. Band Edges Measurement

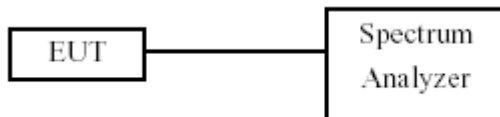
9.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

9.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low lose cable.
- Set both RBW and VBW of spectrum analyzer to 100 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- The band edges was measured and recorded.

9.3 Test Setup Layout



9.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	R&S	FSP40	100047	2010/05/08	2011/05/07

9.5 Test Result and Data

Test Date: Dec, 20, 2010

Temperature: 25°C

Atmospheric pressure: 1020 hPa

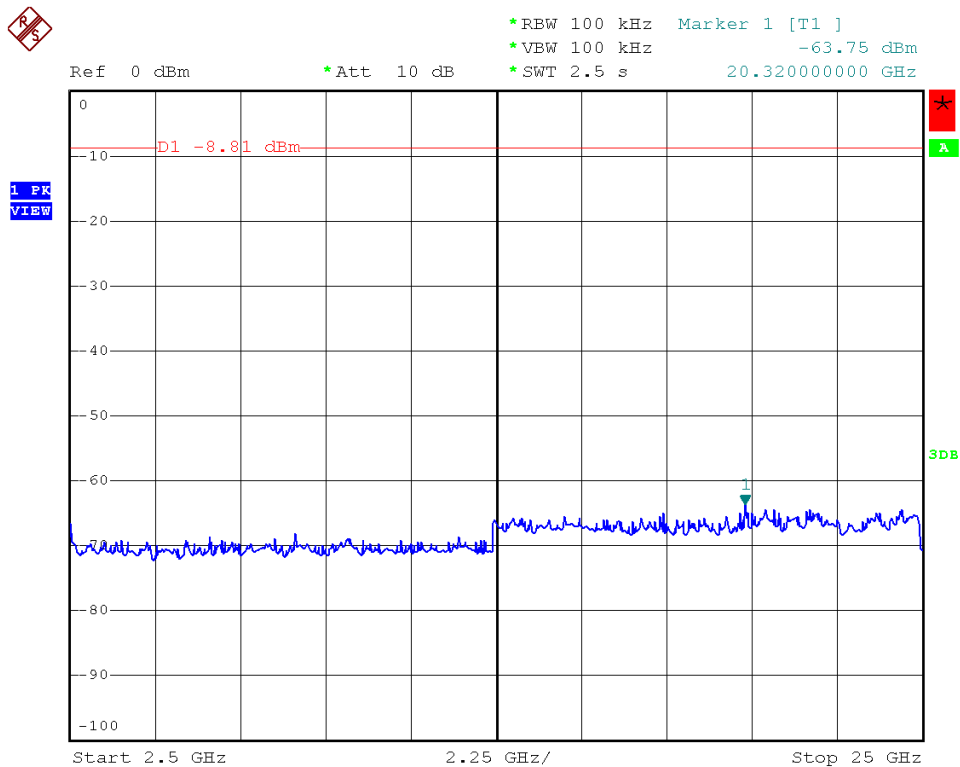
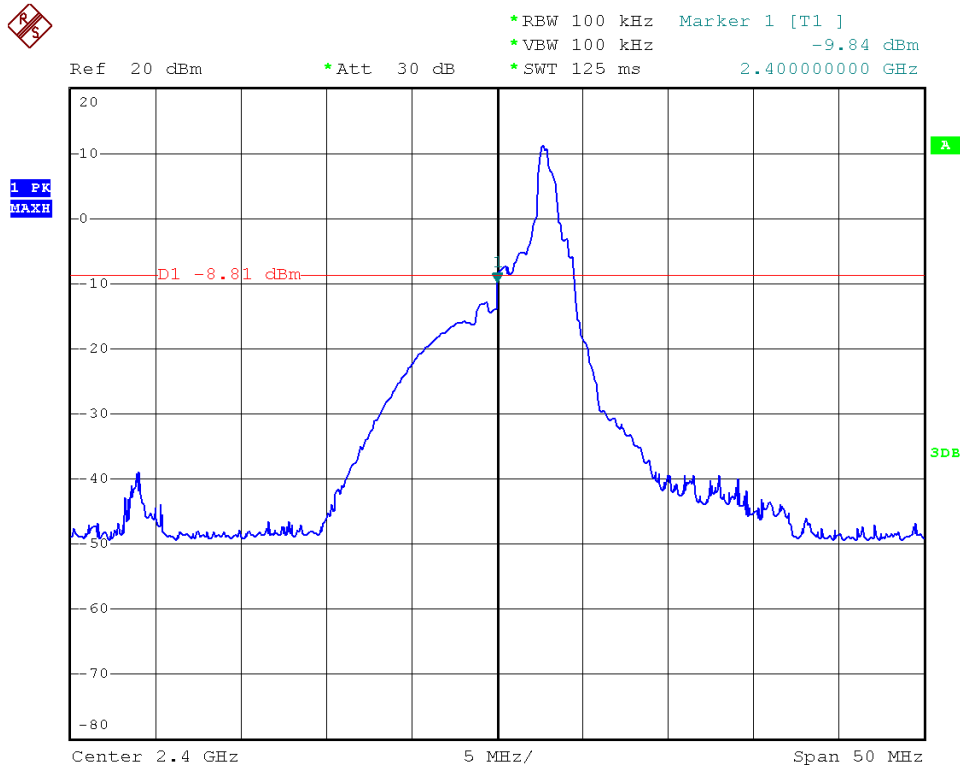
Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)	maximum value (dBm)
DSSS	01	2403	2400.0	-9.84
	16	2478	2484.5	-31.77



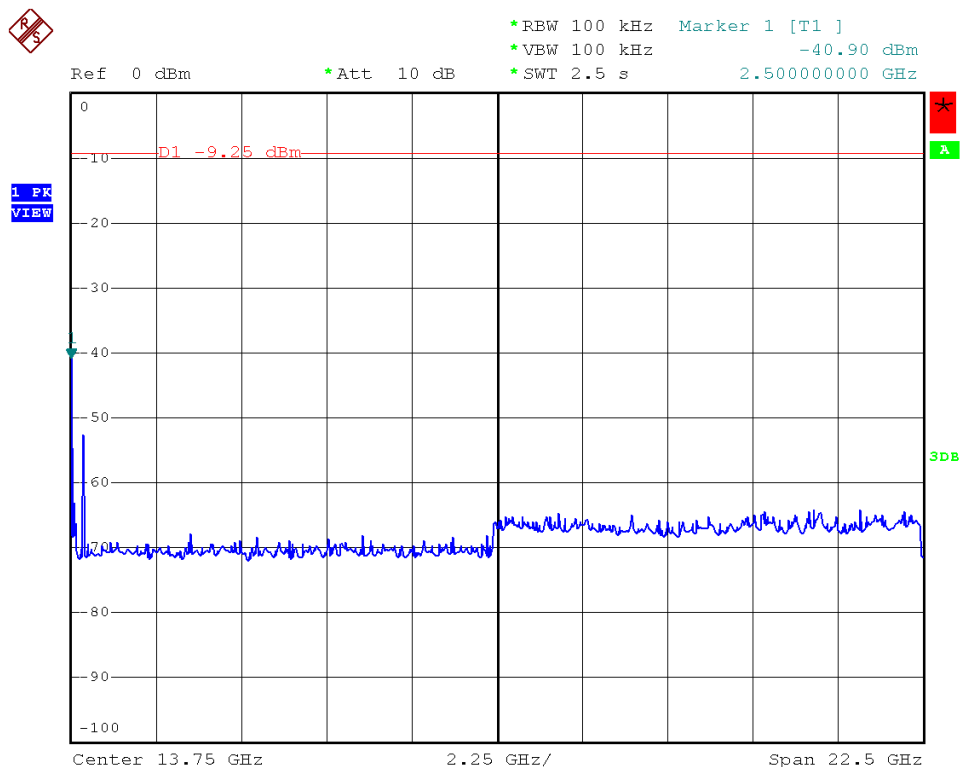
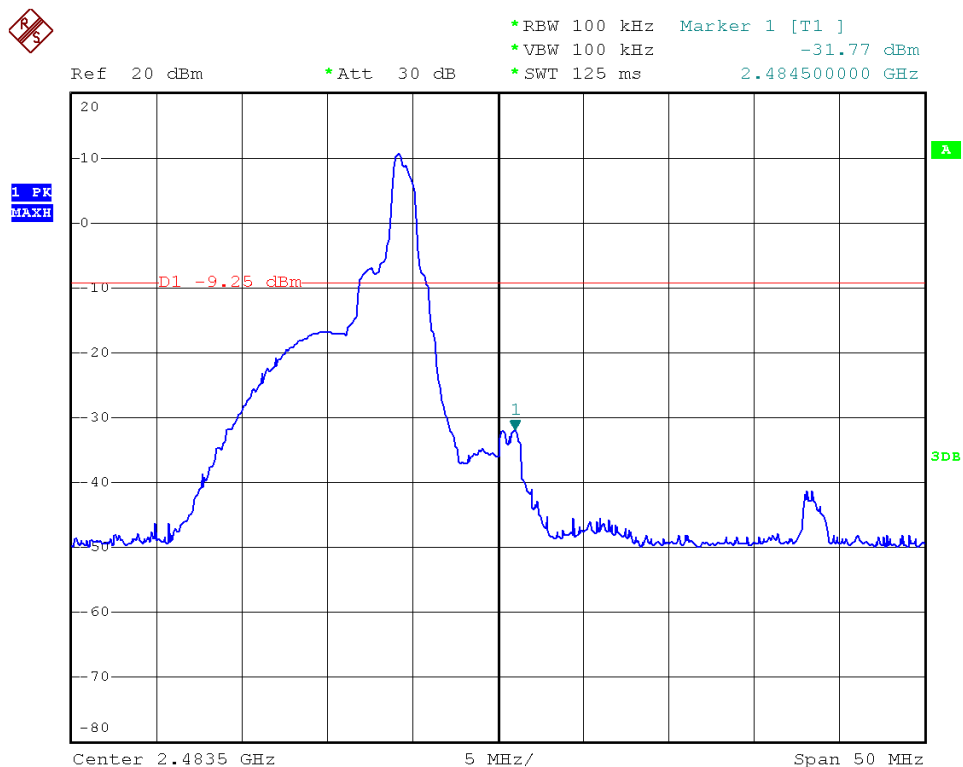
Modulation Standard: DSSS

Channel: 01





Modulation Standard: DSSS
Channel: 16





9.6 Restrict Band Emission Measurement Data

Test Date: Dec, 20, 2010

Temperature: 23°C

Atmospheric pressure: 1020 hPa

Humidity: 65%

Modulation Standard: DSSS

Channel 1						Fundamental Frequency: 2403 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (cm)
						Peak	Ave			
2355.08	H	48.26	8.68	56.94	Peak	74	54	-17.06	188	100
2354.88	H	35.43	8.68	44.11	Ave	74	54	-9.89	188	100
2354.88	V	49.62	8.68	58.30	Peak	74	54	-15.70	176	100
2354.88	V	36.24	8.68	44.90	Ave	74	54	-9.10	176	100
Channel 16						Fundamental Frequency: 2478 MHz				
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (cm)
						Peak	Ave			
2487.92	H	44.83	9.14	53.97	Peak	74	54	-20.03	182	100
2483.57	H	32.06	9.12	41.18	Ave	74	54	-12.82	182	100
2483.55	V	52.35	9.12	61.47	Peak	74	54	-12.53	175	100
2483.57	V	32.30	9.12	41.42	Ave	74	54	-12.58	175	100

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10 MHz for Average detection at frequency above 1GHz.



10. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

10.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.