

FCC TEST REPORT

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant	: SerComm Corporation
Address	: 8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Equipment	: IEEE802.11n Draft Wireless PC card
Model No.	: PC801An
Series No.	: WNC-0600
FCC ID	: P27PC801AN
Trade Name	: SerComm

Laboratory Accreditation



- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of **Exclusive Certification 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.

Contents

1.	Report of Measurements and Examinations.....	5
1.1	List of Measurements and Examinations.....	5
2.	Test Configuration of Equipment under Test.....	6
2.1	Feature of Equipment under Test.....	6
2.2	Test Mode & Test Software	7
2.3	Description of Test System.....	7
2.4	Connection Diagram of Test System.....	8
2.5	General Information of Test.....	9
2.6	Description of Series No.	9
2.7	Measurement Uncertainty.....	9
2.8	History of this test report	10
3.	Antenna Requirements.....	11
3.1	Standard Applicable	11
3.2	Antenna Construction and Directional Gain.....	11
4.	Test of Conducted Emission.....	12
4.1	Test Limit.....	12
4.2	Test Procedures.....	12
4.3	Typical Test Setup	13
4.4	Measurement equipment	13
4.5	Test Result and Data.....	14
4.6	Test Photographs	20
5.	Test of Radiated Emission	21
5.1	Test Limit.....	21
5.2	Test Procedures.....	22
5.3	Typical Test Setup	23
5.4	Measurement equipment	23
5.5	Test Result and Data.....	24
5.6	Test Photographs	60
6.	6dB Bandwidth Measurement Data.....	61
6.1	Test Limit	61
6.2	Test Procedures	61
6.3	Test Setup Layout	61
6.4	Measurement equipment	61
6.5	Test Result and Data.....	61
7.	Maximum Peak Output Power	71
7.1	Test Limit	71
7.2	Test Procedures	71
7.3	Test Setup Layout	71
7.4	Measurement equipment	71
7.5	Test Result and Data.....	71
8.	Band Edges Measurement.....	81
8.1	Test Limit	81
8.2	Test Procedure :	81
8.3	Test Setup Layout	81
8.4	Measurement equipment	81
8.5	Test Result and Data.....	81

8.6	Restrict band emission Measurement Data	94
9.	Power Spectral Density	96
9.1	Test Limit	96
9.2	Test Procedures	96
9.3	Test Setup Layout :	96
9.4	List of Measuring Equipment Used	96
9.5	Test Result and Data.....	96
10.	Restricted Bands of Operation	106
10.1	Labeling Requirement.....	106
Appendix A. Photographs of EUT.....		A1 ~ A4

CERTIFICATE OF COMPLIANCE

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant	:	SerComm Corporation
Address	:	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Equipment	:	IEEE802.11n Draft Wireless PC card
Model No.	:	PC801An
Series No.	:	WNC-0600
FCC ID	:	P27PC801AN

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 (2005)**.

The test was carried out on Dec. 27, 2007 at **Exclusive Certification Corp.**

Signature



Anson Chou / Manager

1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.203	. Antenna Requirement	Pass
15.207	. Conducted Emission	Pass
15.209 15.247(d)	. Radiated Emission	Pass
15.247(a)(2)	. 6dB Bandwidth	Pass
15.247(b)	. Maximum Peak Output Power	Pass
15.247(d)	. 100kHz Bandwidth of Frequency Band Edges	Pass
15.247(e)	. Power Spectral Density	Pass
1.1307 1.1310 2.1091 2.1093	. RF Exposure Compliance	Pass

2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Type of Modulation	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11n Draft: OFDM(64-QAM, 16-QAM, QPSK, BPSK)
Data Rate	802.11b(11, 5.5, 2, 1 Mbps) 802.11g(54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps) 802.11n(Up to 270Mbps)
Number of Channels	Number of Channels 802.11b / 802.11g / 802.11Draft n, 20MHz USA, Canada and Taiwan: 1 ~ 11 (11 Channels) Most European Countries: 1 ~ 13 (13 Channels) France: 1 ~ 7 (7 Channels) 802.11Draft n, 40MHz USA, Canada and Taiwan: 3 ~ 9 (7 Channels) Most European Countries: 3 ~ 9 (7 Channels) France: 3 ~ 5 (3 Channels)
Frequency Band	2.4 ~ 2.4835GHz
Carrier Frequency of each channel	802.11b / 802.11g / 802.11Draft n, 20MHz US: CH1:2412, CH2:2417, CH3:2422, CH4:2427, CH5:2432, CH6:2437, CH7:2442, CH8:2447, CH9:2452, CH10:2457, CH11:2462. EU: CH1:2412, CH2:2417, CH3:2422, CH4:2427, CH5:2432, CH6:2437, CH7:2442, CH8:2447, CH9:2452, CH10:2457, CH11:2462, CH12:2467, CH13:2472 France: CH1:2412, CH2:2417, CH3:2422, CH4:2427, CH5:2432, CH6:2437, CH7:2442 802.11Draft n, 40MHz US / EU: CH3:2422, CH4:2427, CH5:2432, CH6:2437, CH7:2442, CH8:2447, CH9:2452 France: CH3:2422, CH4:2427, CH5:2432
Channel Spacing	5MHz
Output Power	Max. Peak Output power (FCC): 802.11b: 18 dBm 802.11g: 15 dBm 802.11Draft n: 11 dBm E.I.R.P (CE) 802.11b: 18 dBm 802.11g: 15 dBm 802.11Draft n: 11 dBm
Antenna Type	Dipole Antenna
Antenna Gain	2.0 dBi

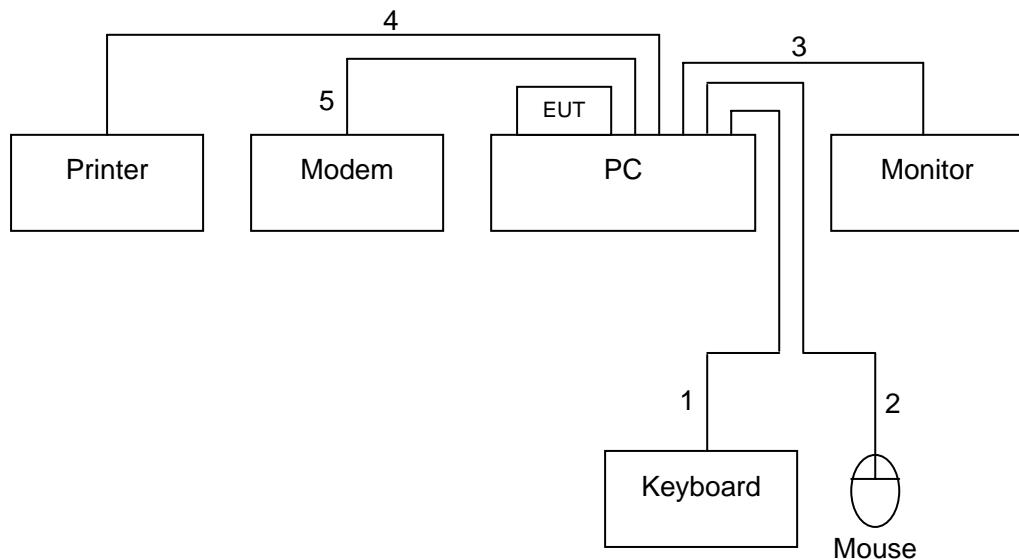
2.2 Test Mode & Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4
- b. The complete test system included IBM PC, Monitor, Keyboard, Mouse, Modem, Printer and EUT for EMI test.
- c. An executive program, EMITEST.exe under WIN XP, which generates a complete line of continuously repeating "H" pattern was used as the test software.
The program was executed as follows:
 1. Turn on the power of all equipment.
 2. The PC reads the test program from the hard disk drive and runs it.
 3. The PC sends "H" messages to the monitor, and the monitor displays " H" patterns on the screen.
 4. The PC sends "H" messages to the modem.
 5. The PC sends "H" messages to the printer.
 6. The PC sends "H" messages to the internal Hard Disk, and the Hard Disk reads and writes the message.
 7. Repeat the steps from 2 to 6.
- d. An executive program, art.exe under WIN XP, which generates a continuous signal by the following frequency to test.
 - 802.11b:
CH 01: 2412MHz, CH 06: 2437MHz, CH 11: 2462MHz
 - 802.11g:
CH 01: 2412MHz, CH 06: 2437MHz, CH 11: 2462MHz
 - 802.11Draft n, 20MHz:
CH 01: 2412MHz, CH 06: 2437MHz, CH 11: 2462MHz
 - 802.11Draft n, 40MHz:
CH 03: 2422MHz, CH 06: 2437MHz, CH 09: 2452MHz

2.3 Description of Test System

Device	Manufacturer	Model No.	Description
PC	IBM	IGV	Power Cable, Unshielding 1.8 m
Monitor	SlimAGE	510A	Power Cable, Adapter Unshielding 1.8 m Data Cable, VGA Shielding 1.35 m
Keyboard	IBM	KB-0225	Data Cable, PS2 Shielding 1.85 m
Mouse	IBM	MO28VO	Data Cable, USB Shielding 1.85 m
Modem	ACEXX	DM-1414	Power Cable, Adapter Unshielding 1.8 m Data Cable, RS232 Shielding 1.35 m
Printer	hp	Desk Jet 400	Power Cable, Adapter Unshielding 1.8 m Data Cable, PRINT Shielding 1.6 m

2.4 Connection Diagram of Test System



1. The PS2 cable is connected from PC to the Keyboard.
2. The USB cable is connected from PC to the Mouse.
3. The VGA cable is connected from PC to the Monitor.
4. The PRINT cable is connected from PC to the Printer.
5. The RS232 cable is connected from PC to the Modem.

2.5 General Information of Test

Test Site :	Exclusive Certification Corp. 4F-2, No. 28, Lane 78, Xing-Ai Rd. Nei-hu, Taipei City 114 Taiwan R.O.C.
Test Site Location (OATS1-SD):	No.68-1, Shihbachongsi, shihding Township, Taipei City 223, Taiwan, R.O.C. Registration Number: 632249.
FCC Registration Number :	632249
IC Registration Number :	6597A-1
VCCI Registration Number :	T-338 for Telecommunication Test C-2188 for Conducted emission test R-1902 for Radiated emission test
Test Voltage:	DC 3.3V
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart C
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 24620MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

2.6 Description of Series No.

The difference between the main model (PC801An) and its series model (WNC-0600) is their model number, otherwise these models can be considered identical.

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 ~ 1GHz	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

2.8 History of this test report

■ ORIGINAL.

Additional attachment as following record:

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 1:

Antenna type: Reverse SMA Dipole Antenna

Antenna Gain: 2.0 dBi.

Antenna 2:

Antenna type: Reverse SMA Dipole Antenna

Antenna Gain: 2.0 dBi.

Antenna 3:

Antenna type: Reverse SMA Dipole Antenna

Antenna Gain: 2.0 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.

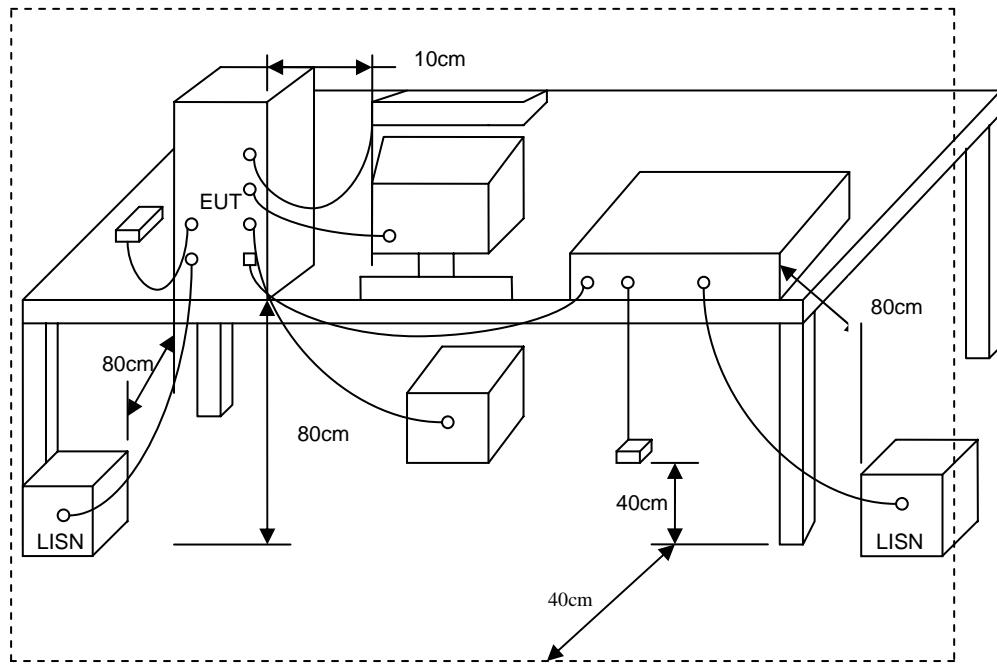
Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

4.2 Test Procedures

- a. 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.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.3 Typical Test Setup

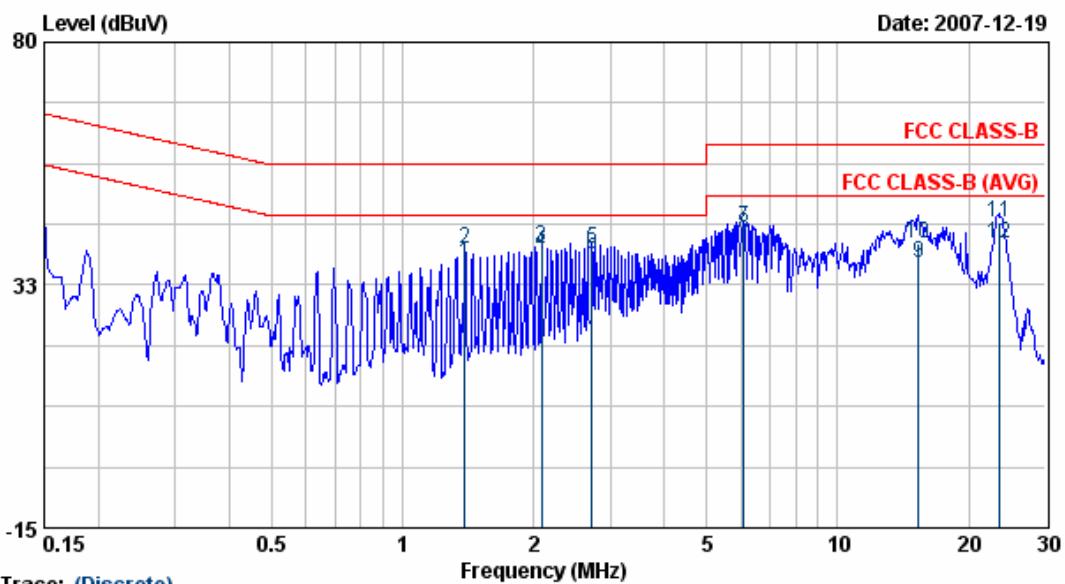


4.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Receiver	R&S	ESCI	100443	2007/09/27	2008/09/26
LISN	NNB-2/16Z	MESS TEC	02/10191	2007/05/14	2008/05/13
LISN	NNB-2/16Z	ROLF HEINE	03/10058	2007/04/19	2008/04/18

4.5 Test Result and Data

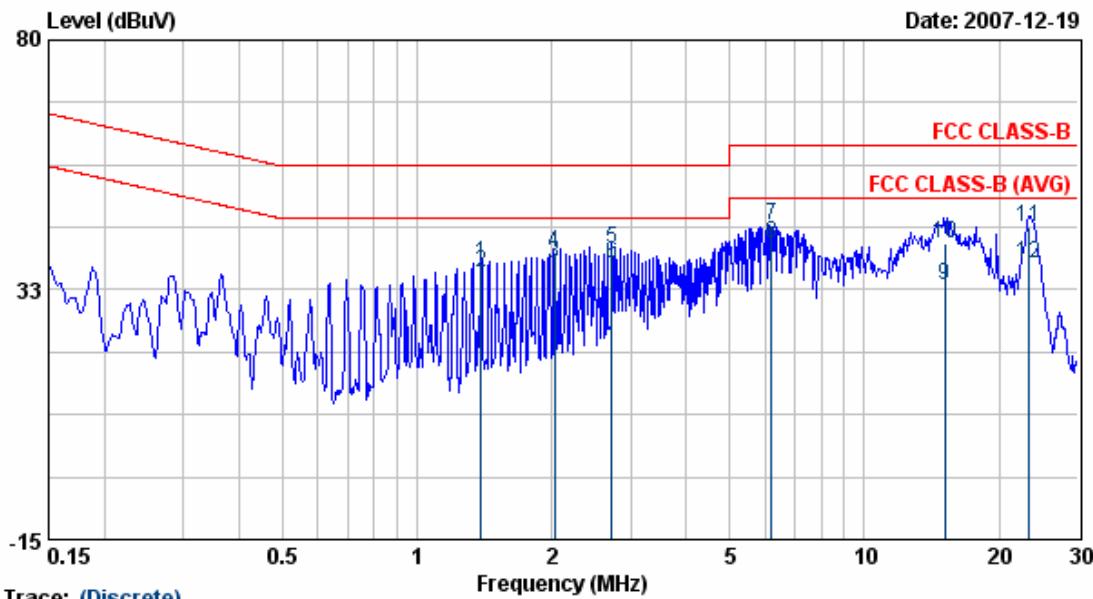
Power	: DC 3.3V from PC	Pol/Phase	: LINE
Test Mode	: 802.11g CH1	Temperature	: 23 °C
Memo		Humidity	: 54 %



Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	1.39	36.69	0.18	36.86	46.00	-9.14	AVERAGE
2	1.39	39.36	0.18	39.54	56.00	-16.46	QP
3	2.08	39.55	0.21	39.76	56.00	-16.24	QP
4	2.08	38.65	0.21	38.86	46.00	-7.14	AVERAGE
5	2.72	39.37	0.22	39.58	56.00	-16.42	QP
6	2.72	38.36	0.22	38.58	46.00	-7.42	AVERAGE
7	6.08	43.58	0.28	43.86	60.00	-16.14	QP
8	6.08	42.11	0.28	42.38	50.00	-7.62	AVERAGE
9	15.33	36.48	0.38	36.87	50.00	-13.13	AVERAGE
10	15.33	40.30	0.38	40.68	60.00	-19.32	QP
11	23.55	44.22	0.48	44.70	60.00	-15.30	QP
12	23.55	40.21	0.48	40.70	50.00	-9.30	AVERAGE

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

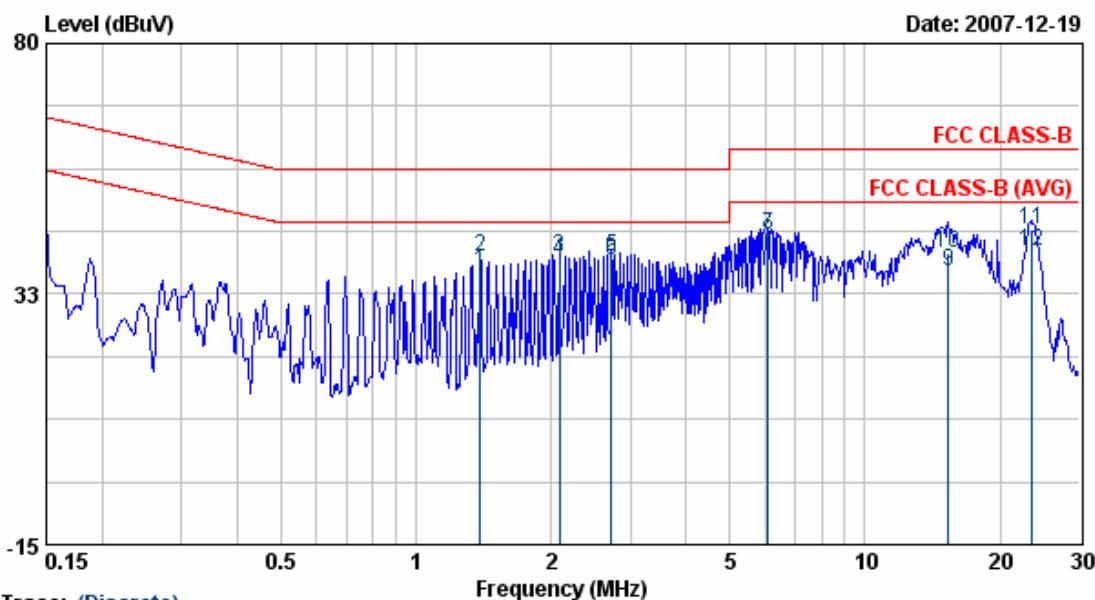
Power	: DC 3.3V from PC	Pol/Phase	: NEUTRAL
Test Mode	: 802.11g CH1	Temperature	: 23 °C
Memo		Humidity	: 54 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	1.39	37.39	0.17	37.57	56.00	-18.43	QP
2	1.39	35.70	0.17	35.87	46.00	-10.13	AVERAGE
3	2.03	37.38	0.20	37.58	46.00	-8.42	AVERAGE
4	2.03	39.38	0.20	39.58	56.00	-16.42	QP
5	2.72	40.16	0.22	40.38	56.00	-15.62	QP
6	2.72	37.16	0.22	37.38	46.00	-8.62	AVERAGE
7	6.19	44.33	0.31	44.64	60.00	-15.36	QP
8	6.19	41.06	0.31	41.37	50.00	-8.63	AVERAGE
9	15.10	32.96	0.42	33.38	50.00	-16.62	AVERAGE
10	15.10	40.95	0.42	41.37	60.00	-18.63	QP
11	23.37	43.72	0.67	44.38	60.00	-15.62	QP
12	23.37	36.92	0.67	37.58	50.00	-12.42	AVERAGE

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

Power	: DC 3.3V from PC	Pol/Phase	: LINE
Test Mode	: 802.11Draft n, 20MHz CH1	Temperature	: 23 °C
Memo		Humidity	: 54 %

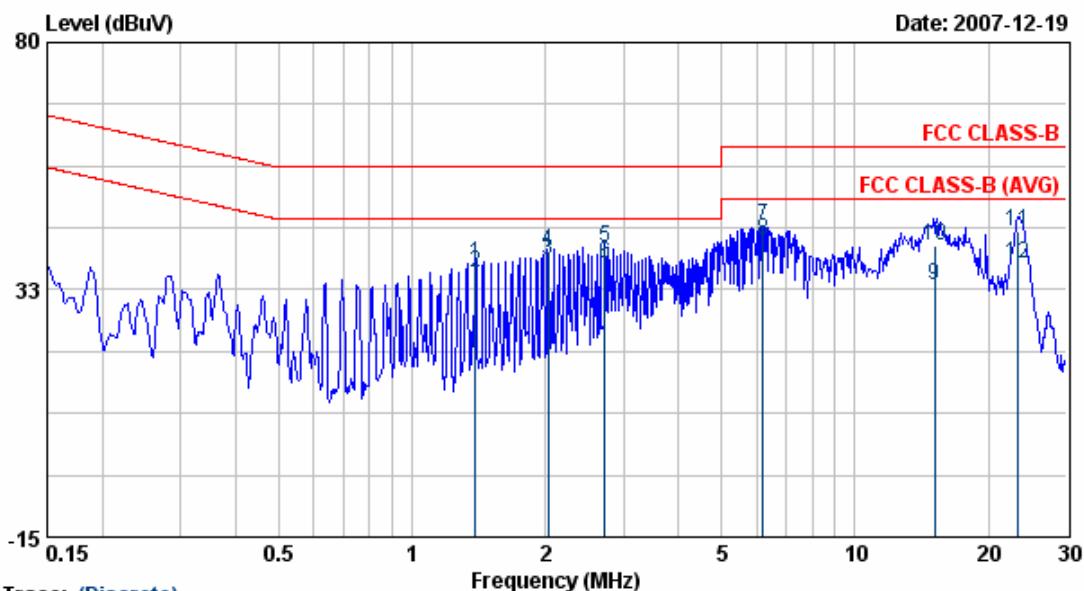


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	1.39	36.66	0.18	36.84	46.00	-9.16	AVERAGE
2	1.39	39.34	0.18	39.52	56.00	-16.48	QP
3	2.08	39.51	0.21	39.72	56.00	-16.28	QP
4	2.08	38.56	0.21	38.77	46.00	-7.23	AVERAGE
5	2.72	39.36	0.22	39.58	56.00	-16.42	QP
6	2.72	38.63	0.22	38.85	46.00	-7.15	AVERAGE
7	6.08	43.52	0.28	43.80	60.00	-16.20	QP
8	6.08	42.19	0.28	42.47	50.00	-7.53	AVERAGE
9	15.33	36.43	0.38	36.82	50.00	-13.18	AVERAGE
10	15.33	40.00	0.38	40.39	60.00	-19.61	QP
11	23.55	44.26	0.48	44.75	60.00	-15.25	QP
12	23.55	40.14	0.48	40.62	50.00	-9.38	AVERAGE

Remarks:

1. Level = Read Level + Factor
2. Factor = LISN(ISN) Factor + Cable Loss
3. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
4. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: NEUTRAL
Test Mode	: 802.11Draft n, 20MHz CH1	Temperature	: 23 °C
Memo		Humidity	: 54 %

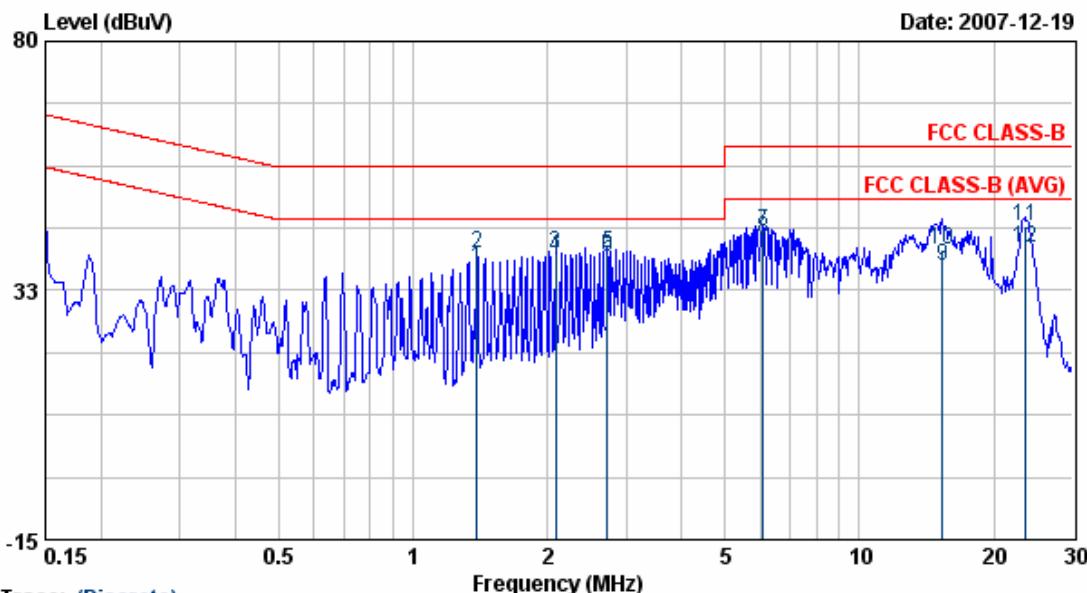


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	1.39	37.35	0.17	37.52	56.00	-18.48	QP
2	1.39	35.71	0.17	35.88	46.00	-10.12	AVERAGE
3	2.03	37.84	0.20	38.04	46.00	-7.96	AVERAGE
4	2.03	39.84	0.20	40.04	56.00	-15.96	QP
5	2.72	40.24	0.22	40.46	56.00	-15.54	QP
6	2.72	37.12	0.22	37.35	46.00	-8.65	AVERAGE
7	6.19	44.31	0.31	44.62	60.00	-15.38	QP
8	6.19	41.62	0.31	41.93	50.00	-8.07	AVERAGE
9	15.10	32.92	0.42	33.34	50.00	-16.66	AVERAGE
10	15.10	40.47	0.42	40.89	60.00	-19.11	QP
11	23.37	43.16	0.67	43.83	60.00	-16.17	QP
12	23.37	36.96	0.67	37.63	50.00	-12.37	AVERAGE

Remarks:

1. Level = Read Level + Factor
2. Factor = LISN(ISN) Factor + Cable Loss
3. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
4. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: LINE
Test Mode	: 802.11Draft n, 40MHz CH3	Temperature	: 23 °C
Memo		Humidity	: 54 %

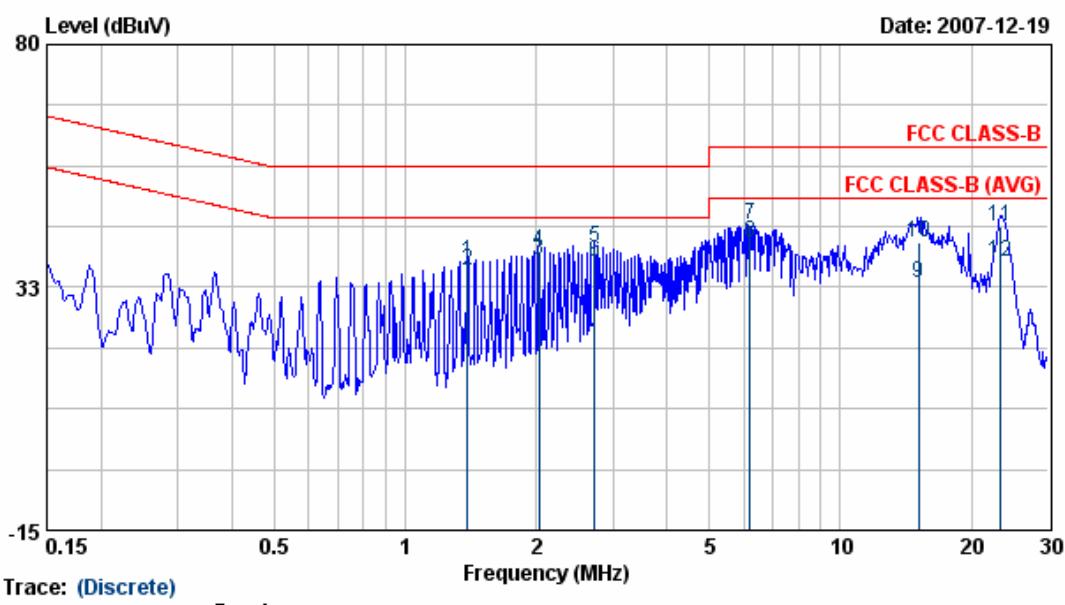


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	1.39	36.64	0.18	36.81	46.00	-9.19	AVERAGE
2	1.39	39.33	0.18	39.51	56.00	-16.49	QP
3	2.08	39.51	0.21	39.72	56.00	-16.28	QP
4	2.08	38.65	0.21	38.86	46.00	-7.14	AVERAGE
5	2.72	39.37	0.22	39.58	56.00	-16.42	QP
6	2.72	38.63	0.22	38.85	46.00	-7.15	AVERAGE
7	6.08	43.52	0.28	43.80	60.00	-16.20	QP
8	6.08	42.19	0.28	42.47	50.00	-7.53	AVERAGE
9	15.33	36.83	0.38	37.22	50.00	-12.78	AVERAGE
10	15.33	40.00	0.38	40.39	60.00	-19.61	QP
11	23.55	44.26	0.48	44.75	60.00	-15.25	QP
12	23.55	40.14	0.48	40.62	50.00	-9.38	AVERAGE

Remarks:

1. Level = Read Level + Factor
2. Factor = LISN(ISN) Factor + Cable Loss
3. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
4. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: NEUTRAL
Test Mode	: 802.11Draft n, 40MHz CH3	Temperature	: 23 °C
Memo		Humidity	: 54 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	1.39	37.35	0.17	37.52	56.00	-18.48	QP
2	1.39	35.71	0.17	35.88	46.00	-10.12	AVERAGE
3	2.03	37.58	0.20	37.78	46.00	-8.22	AVERAGE
4	2.03	39.34	0.20	39.54	56.00	-16.46	QP
5	2.72	40.13	0.22	40.35	56.00	-15.65	QP
6	2.72	37.13	0.22	37.35	46.00	-8.65	AVERAGE
7	6.19	44.31	0.31	44.62	60.00	-15.38	QP
8	6.19	41.05	0.31	41.36	50.00	-8.64	AVERAGE
9	15.10	32.93	0.42	33.35	50.00	-16.65	AVERAGE
10	15.10	40.97	0.42	41.39	60.00	-18.61	QP
11	23.37	43.76	0.67	44.43	60.00	-15.57	QP
12	23.37	36.94	0.67	37.60	50.00	-12.40	AVERAGE

Remarks:

1. Level = Read Level + Factor
2. Factor = LISN(ISN) Factor + Cable Loss
3. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
4. 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 (μ V / M)	Radiated (dB μ 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

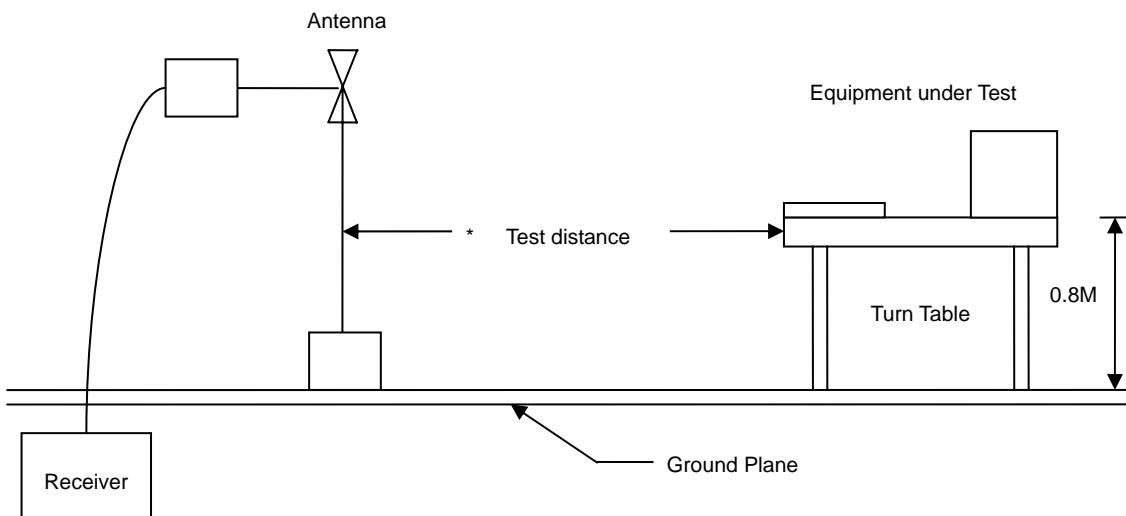
For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

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

5.2 Test Procedures

- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. 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.
- e. 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.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. 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.
- h. 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.

5.3 Typical Test Setup

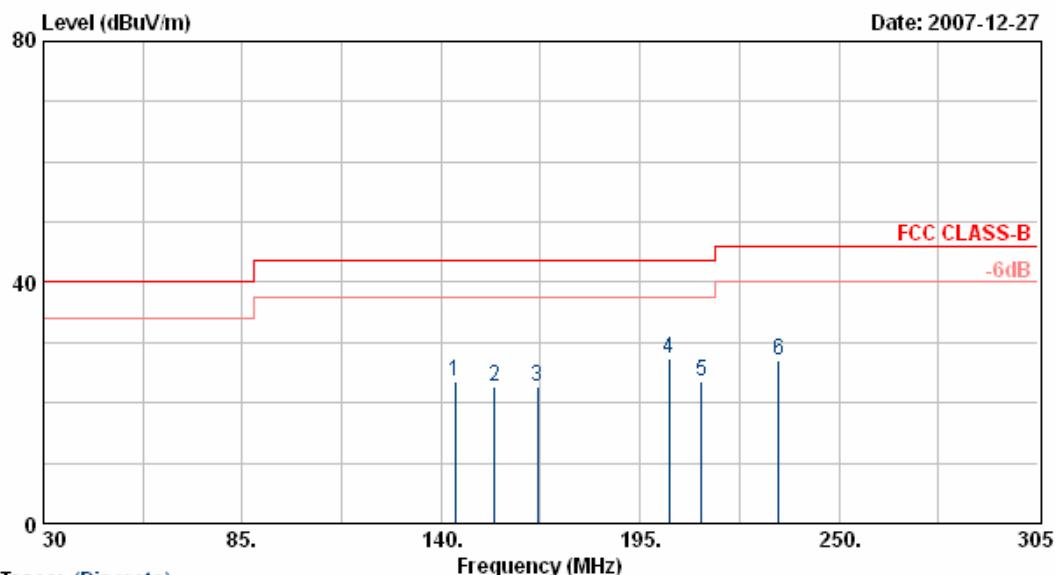


5.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
EMI Receiver	85460A	HP	3807A00454	2007/06/05	2008/06/04
Spectrum Analyzer	FSP40	R&S	10047	2007/01/23	2008/01/22
Horn Antenna	3115	EMCO	31589	2007/03/05	2008/03/04
Horn Antenna	3116	EMCO	31970	2007/03/06	2008/03/05
Bilog Antenna	CBL6112B	Schaffner	2840	2007/04/26	2008/04/25
Amplifier	8449B	Agilent	3008A01954	2007/01/12	2008/01/11
Amplifier	8447D	Agilent	2944A10531	2007/09/26	2008/09/25

5.5 Test Result and Data

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps

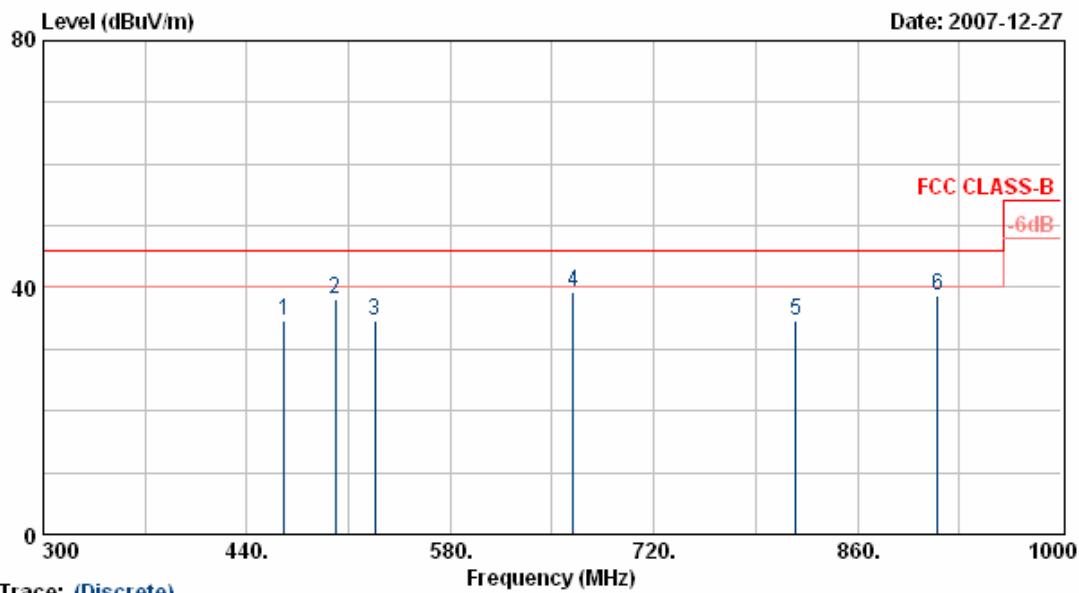


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	143.85	35.83	-12.34	23.49	43.50	-20.01	Peak	100	76
2	154.85	35.32	-12.49	22.84	43.50	-20.66	Peak	100	67
3	166.68	37.02	-14.41	22.62	43.50	-20.88	Peak	100	95
4	202.98	40.06	-12.85	27.21	43.50	-16.29	Peak	100	54
5	212.05	35.74	-12.21	23.53	43.50	-19.97	Peak	100	71
6	233.23	39.29	-12.29	27.00	46.00	-19.00	Peak	100	121

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 mode are all the same, so the 802.11g mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
6. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps

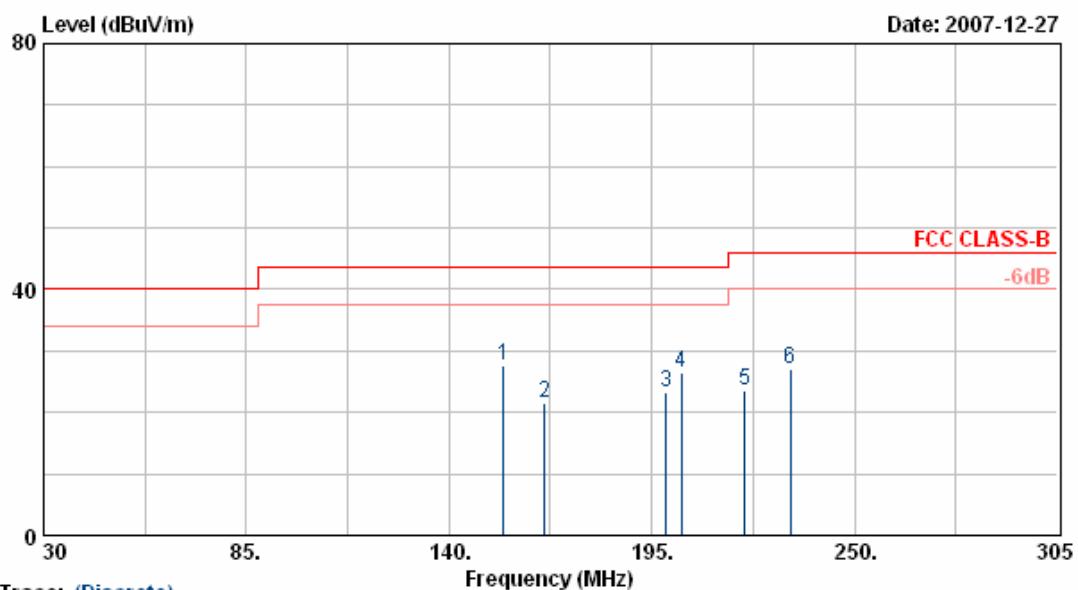


Trace: (Discrete)		Read		Factor	Result	Limit	Margin	Remark	Ant	Tab
Item	Freq	Value	Unit							
		MHz	dBuV/m		dB	dBuV/m	dBuV/m	dB	cm	Deg
1	465.90	40.68		-6.18	34.50	46.00	-11.50	Peak	100	142
2	500.90	42.85		-4.71	38.13	46.00	-7.87	Peak	100	87
3	528.20	37.26		-2.79	34.48	46.00	-11.52	Peak	100	55
4	664.70	43.34		-4.13	39.21	46.00	-6.79	Peak	100	108
5	817.30	35.80		-1.06	34.74	46.00	-11.26	Peak	100	111
6	915.30	35.12		3.67	38.79	46.00	-7.21	Peak	100	95

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 mode are all the same, so the 802.11g mode chosen as representative in final test.
 5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
 6. The data is worse case.

Power	:	DC 3.3V from PC	Pol/Phase	:	HORIZONTAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	1	Humidity	:	65 %
Modulation Type	:	802.11g	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	6 Mbps

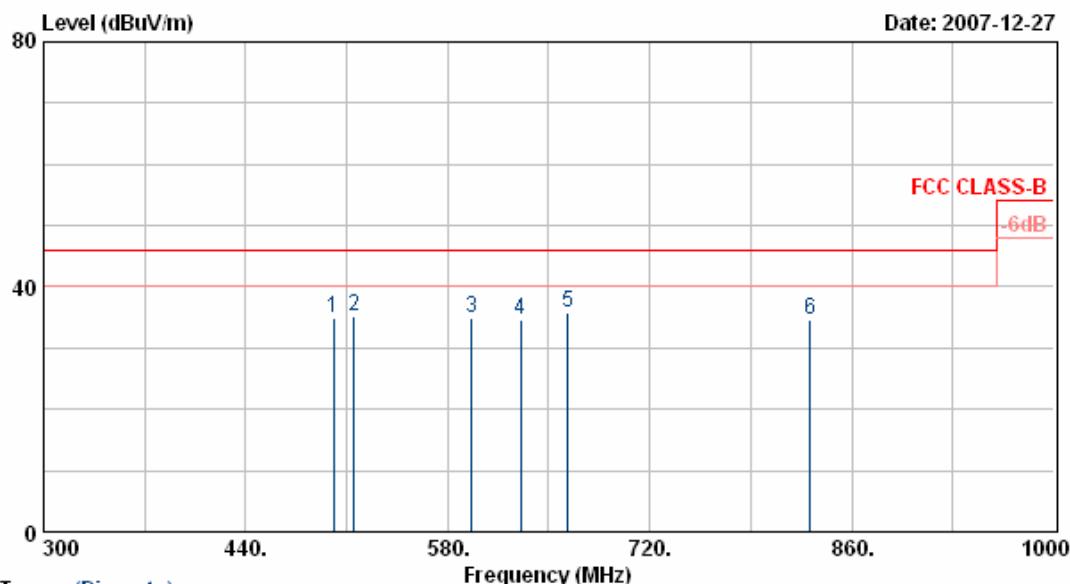


Trace: (Discrete)		Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
Item	Freq	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	cm	Deg
1	154.85	46.70	-18.98	27.72	43.50	-15.78	Peak	100	77
2	165.85	41.94	-20.33	21.61	43.50	-21.89	Peak	100	117
3	198.85	42.38	-19.18	23.20	43.50	-20.30	Peak	100	67
4	202.98	45.53	-18.97	26.55	43.50	-16.95	Peak	100	83
5	220.30	42.12	-18.60	23.51	46.00	-22.49	Peak	100	74
6	232.68	43.94	-16.90	27.03	46.00	-18.97	Peak	100	55

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 mode are all the same, so the 802.11g mode chosen as representative in final test.
 5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
 6. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps

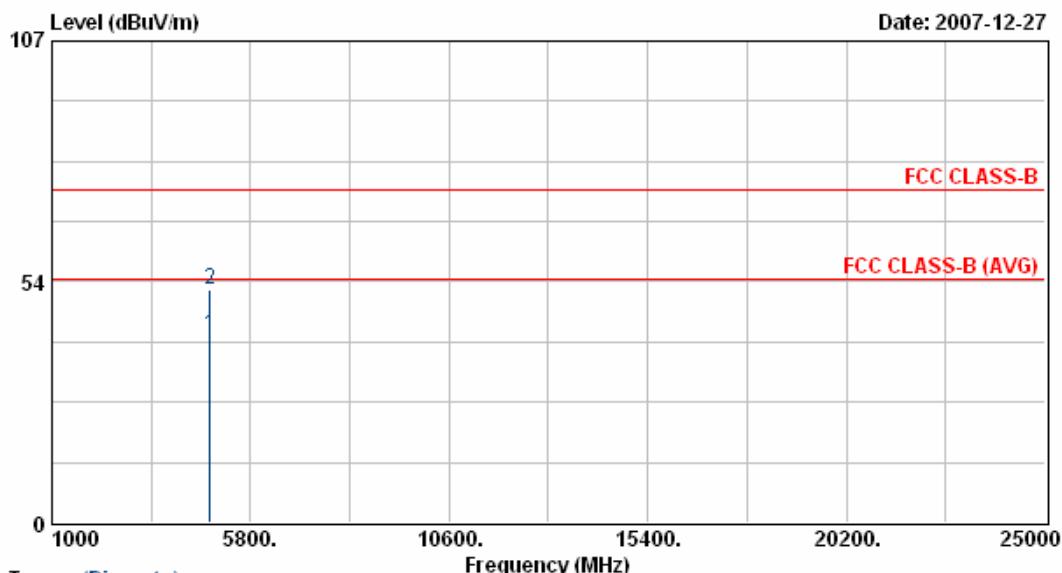


Trace: (Discrete)								Ant	Tab
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	500.90	41.34	-6.57	34.77	46.00	-11.23	Peak	100	54
2	514.90	40.39	-5.28	35.11	46.00	-10.89	Peak	100	68
3	596.80	37.90	-2.94	34.97	46.00	-11.03	Peak	100	87
4	630.40	38.89	-4.15	34.74	46.00	-11.26	Peak	100	99
5	663.30	39.01	-3.22	35.79	46.00	-10.21	Peak	100	124
6	831.30	37.71	-2.99	34.72	46.00	-11.28	Peak	100	71

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 mode are all the same, so the 802.11g mode chosen as representative in final test.
 5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
 6. The data is worse case.

Power	:	DC 3.3V from PC	Pol/Phase	:	VERTICAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	1	Humidity	:	65 %
Modulation Type	:	802.11b	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	11 Mbps



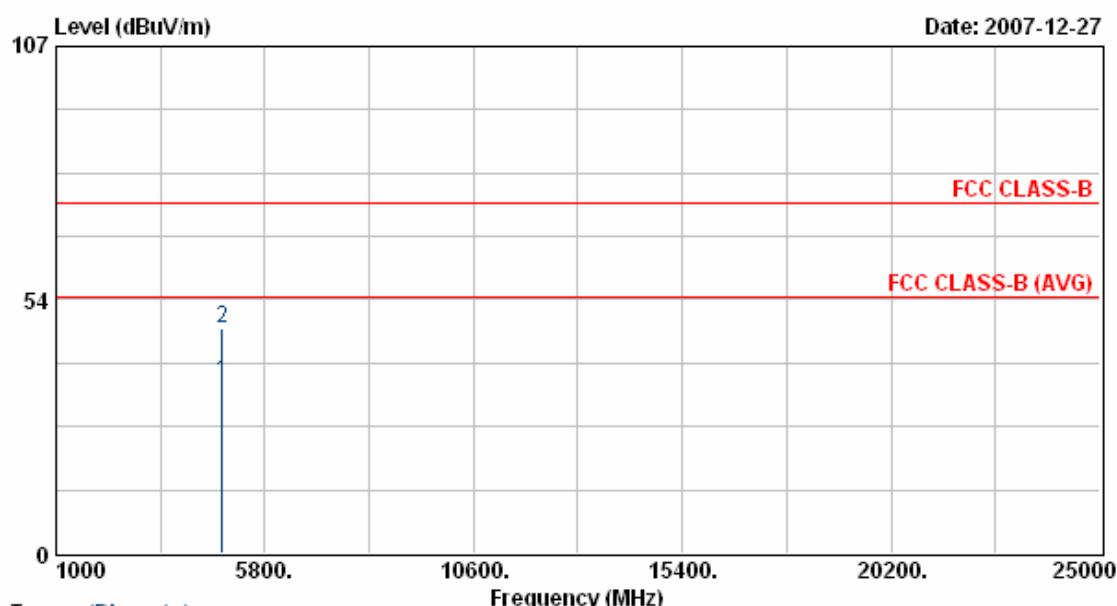
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Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4823.20	35.73	5.80	41.53	54.00	-12.47	Average	100	167
2	4823.20	45.93	5.80	51.73	74.00	-22.27	Peak	100	167

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.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 11 Mbps

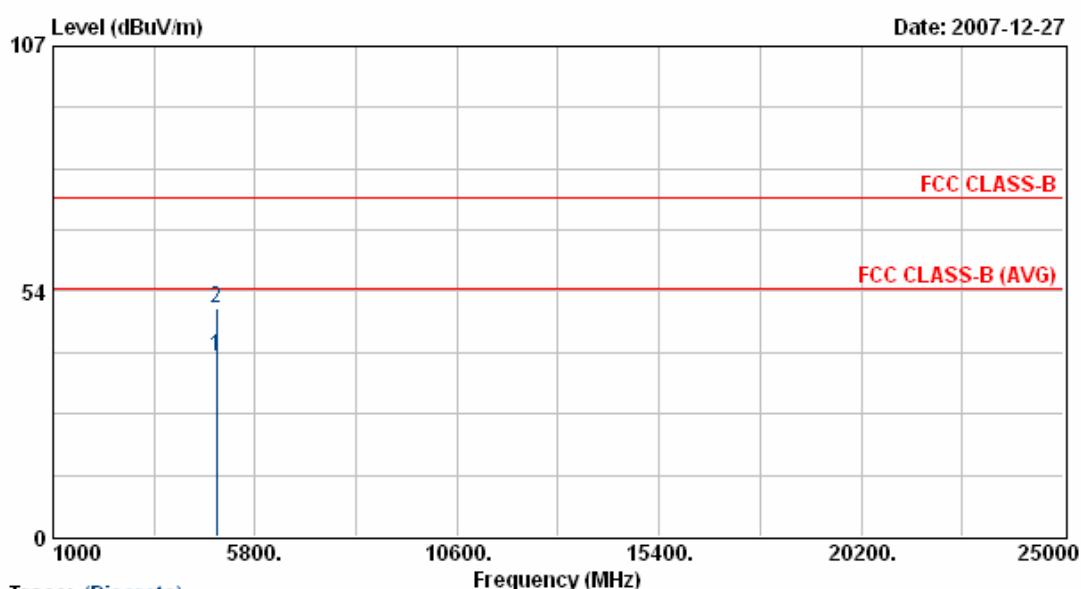


Trace: (Discrete)									
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4823.25	30.25	5.81	36.06	54.00	-17.94	Average	100	224
2	4823.25	41.58	5.81	47.39	74.00	-26.61	Peak	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 11 Mbps

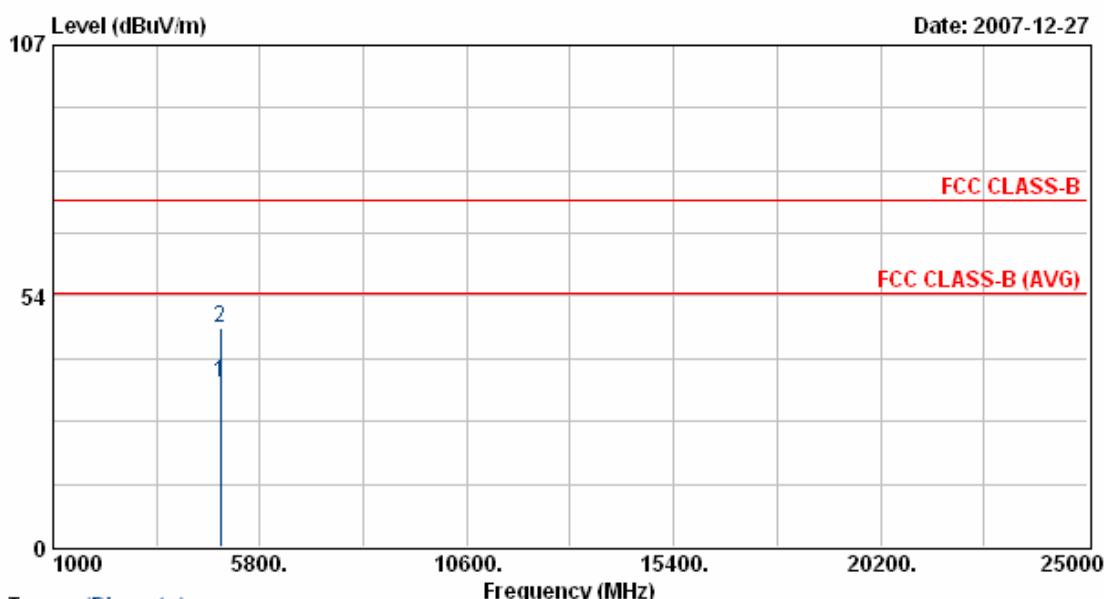


Trace: (Discrete)									
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.80	33.32	5.95	39.27	54.00	-14.73	Average	100	167
2	4873.80	43.84	5.95	49.79	74.00	-24.21	Peak	100	167

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.

Power	:	DC 3.3V from PC	Pol/Phase	:	HORIZONTAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	6	Humidity	:	65 %
Modulation Type	:	802.11b	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	11 Mbps

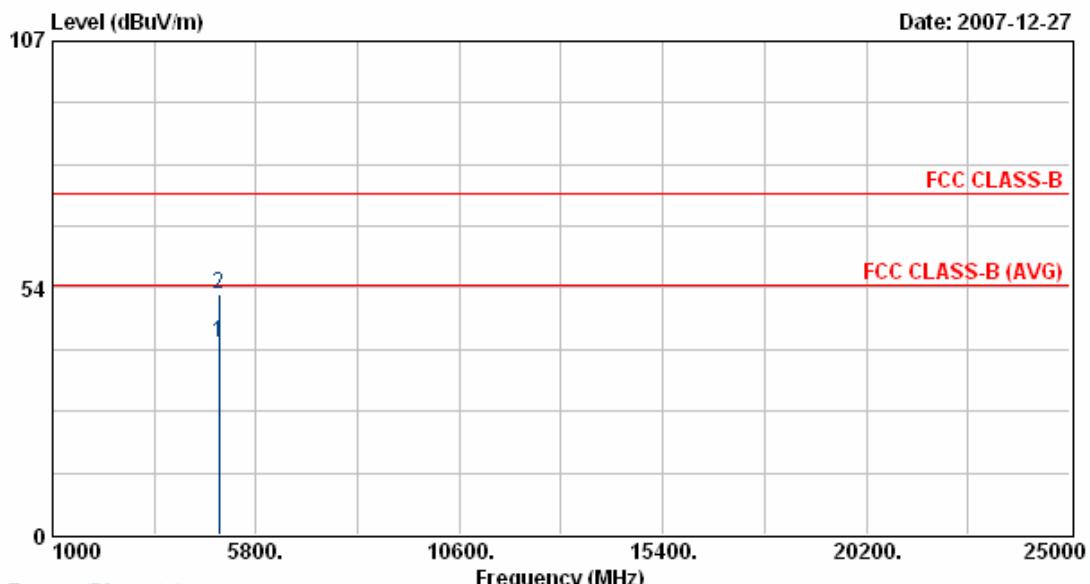


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
1	4873.25	29.05	5.95	35.00	54.00	-19.00	Average	100	224
2	4873.25	40.79	5.95	46.73	74.00	-27.27	Peak	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 11 Mbps



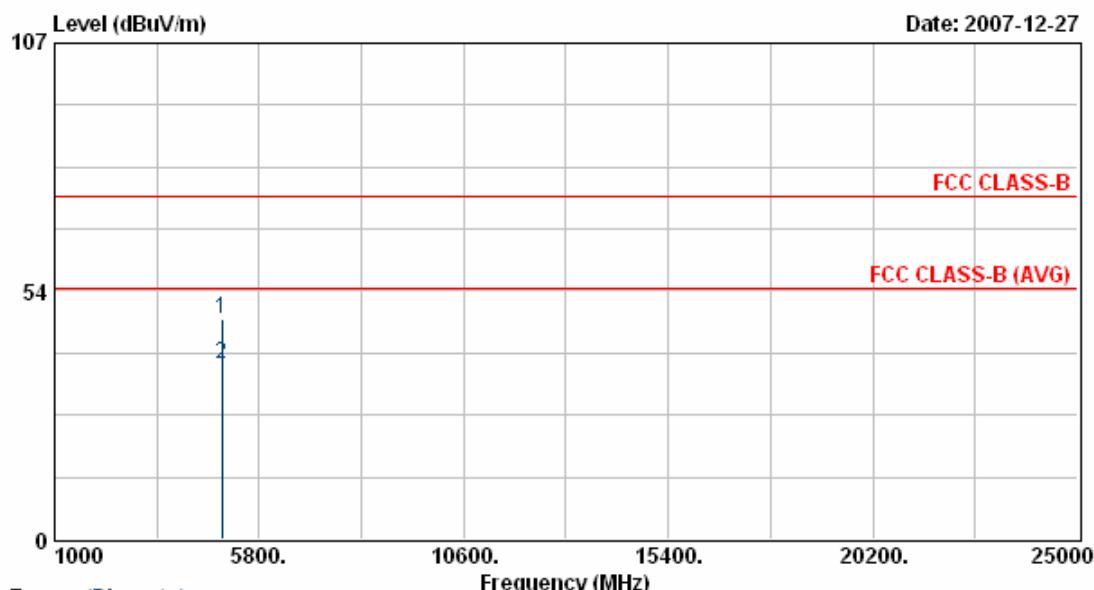
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4924.50	35.65	6.09	41.74	54.00	-12.26	Average	100	167
2	4924.50	45.93	6.09	52.02	74.00	-21.98	Peak	100	167

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.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 11 Mbps

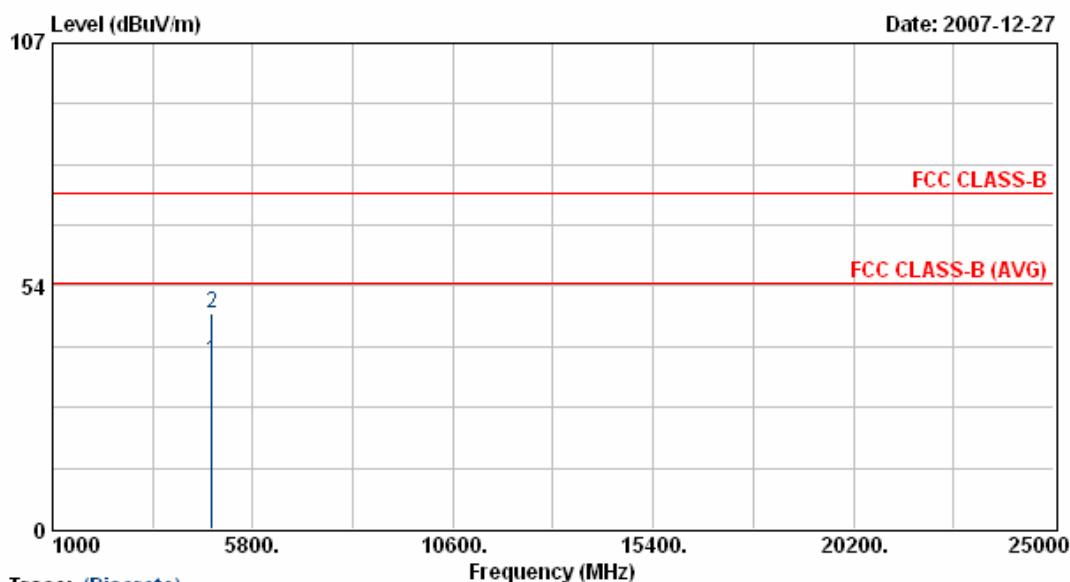


Trace: (Discrete)									
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4923.63	41.53	6.09	47.61	74.00	-26.39	Peak	100	224
2	4923.63	31.51	6.09	37.60	54.00	-16.40	Average	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps

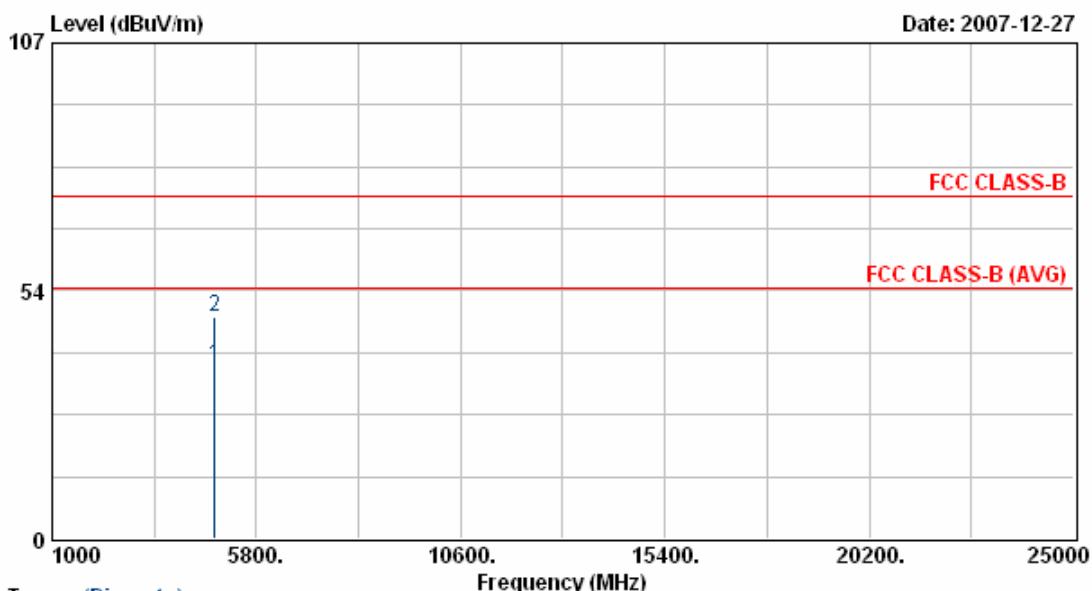


Item	Trace: (Discrete)		Factor	Result	Limit	Margin	Remark	Ant	Tab
	Freq	Read Value						Pos	Pos
1	4824.60	31.29	5.81	37.10	54.00	-16.90	Average	100	167
2	4824.60	41.55	5.81	47.36	74.00	-26.64	Peak	100	167

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.

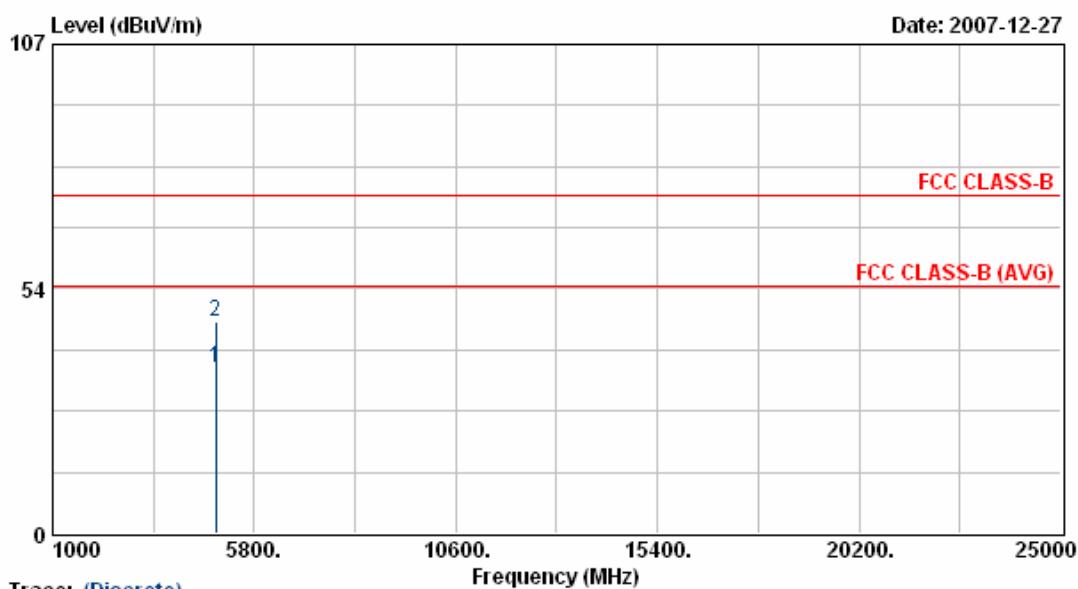
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Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps



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.

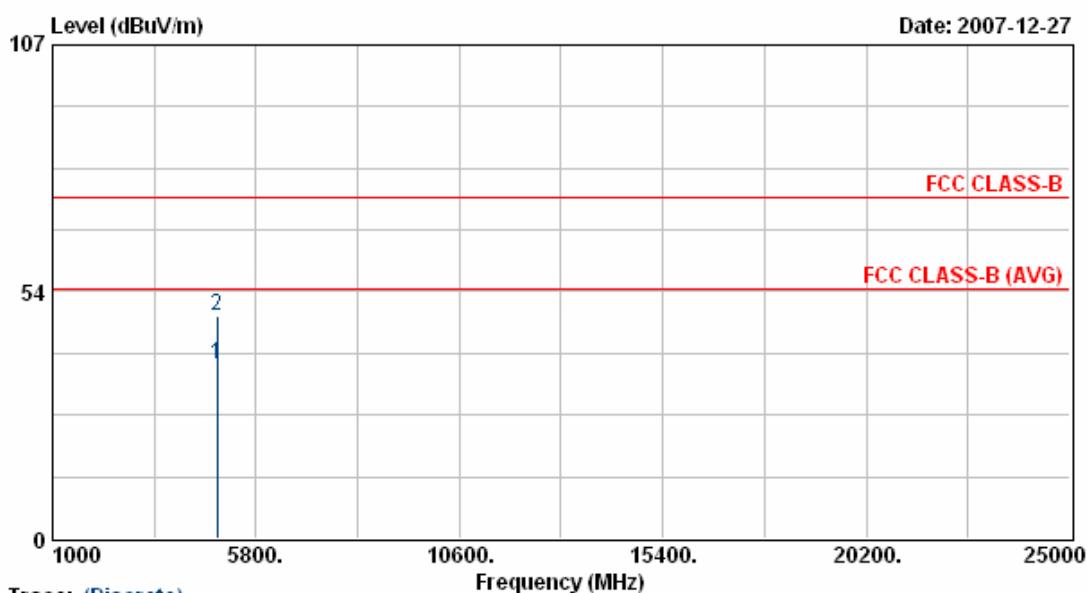
Power	:	DC 3.3V from PC	Pol/Phase	:	VERTICAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	6	Humidity	:	65 %
Modulation Type	:	802.11g	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	6 Mbps



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.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps

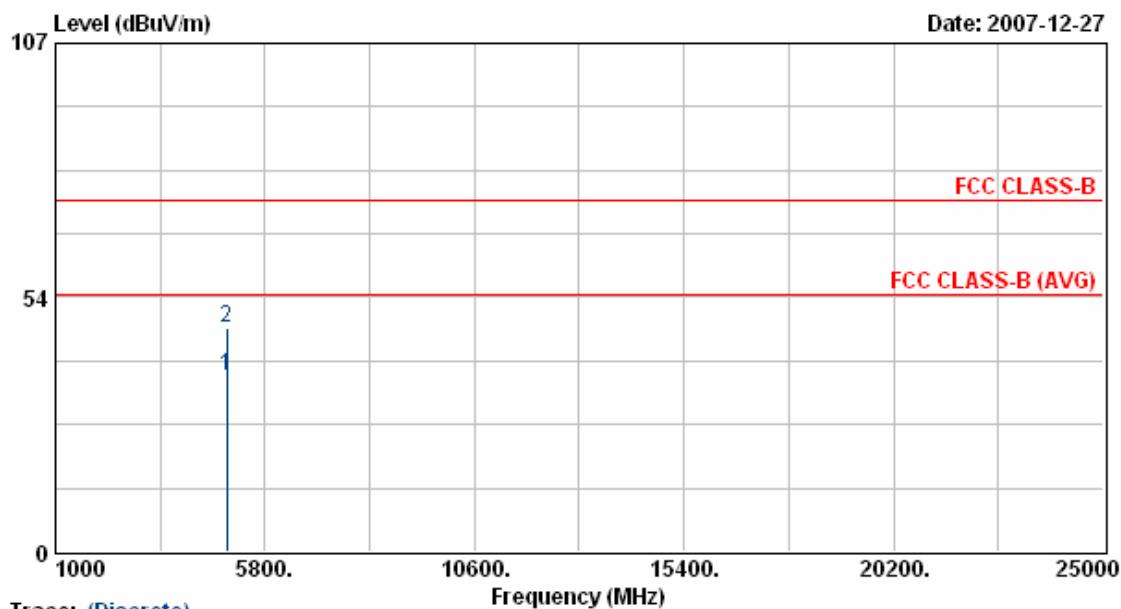


Trace: (Discrete)		Read								Ant	Tab
Item	Freq	Value	Factor	Result	Limit	Margin	Remark	Pos	Pos		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg		
1	4873.50	31.78	5.95	37.73	54.00	-16.27	Average	100	224		
2	4873.50	42.40	5.95	48.35	74.00	-25.65	Peak	0	224		

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6 Mbps

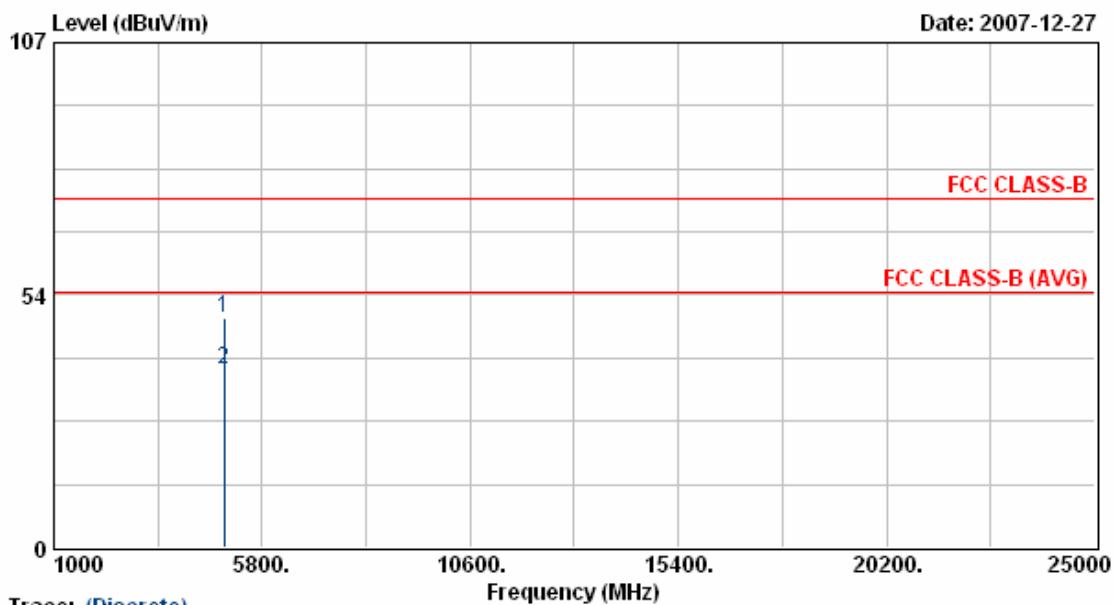


Trace: (Discrete)		Frequency (MHz)							
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4924.30	30.87	6.09	36.96	54.00	-17.04	Average	100	167
2	4924.30	41.11	6.09	47.20	74.00	-26.80	Peak	100	167

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.

Power	:	DC 3.3V from PC	Pol/Phase	:	HORIZONTAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	11	Humidity	:	65 %
Modulation Type	:	802.11g	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	6 Mbps

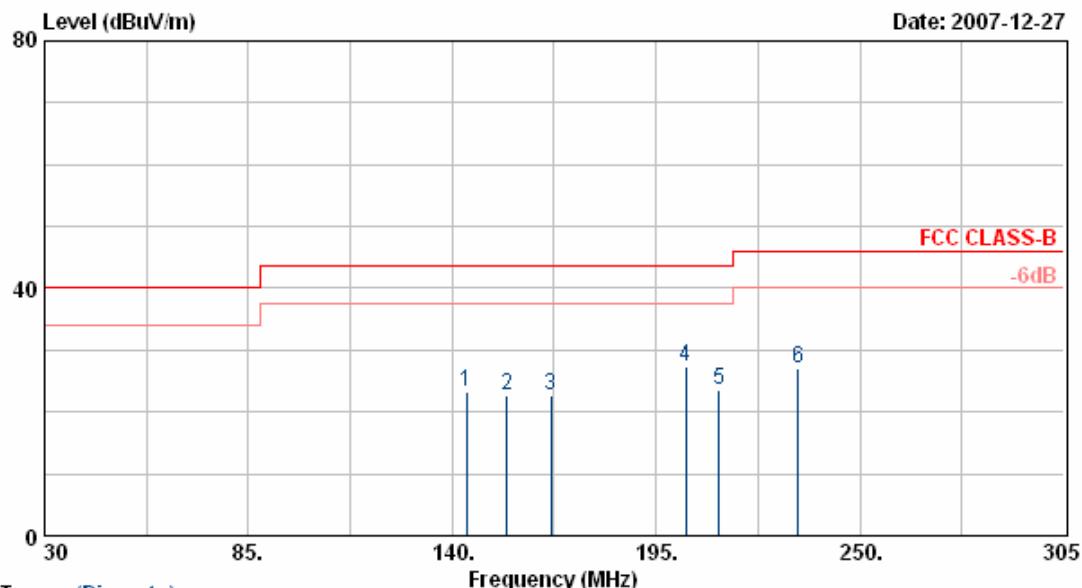


Trace: (Discrete)								Ant	Tab
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4924.00	42.37	6.09	48.46	74.00	-25.54	Peak	100	224
2	4924.00	31.52	6.09	37.60	54.00	-16.40	Average	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

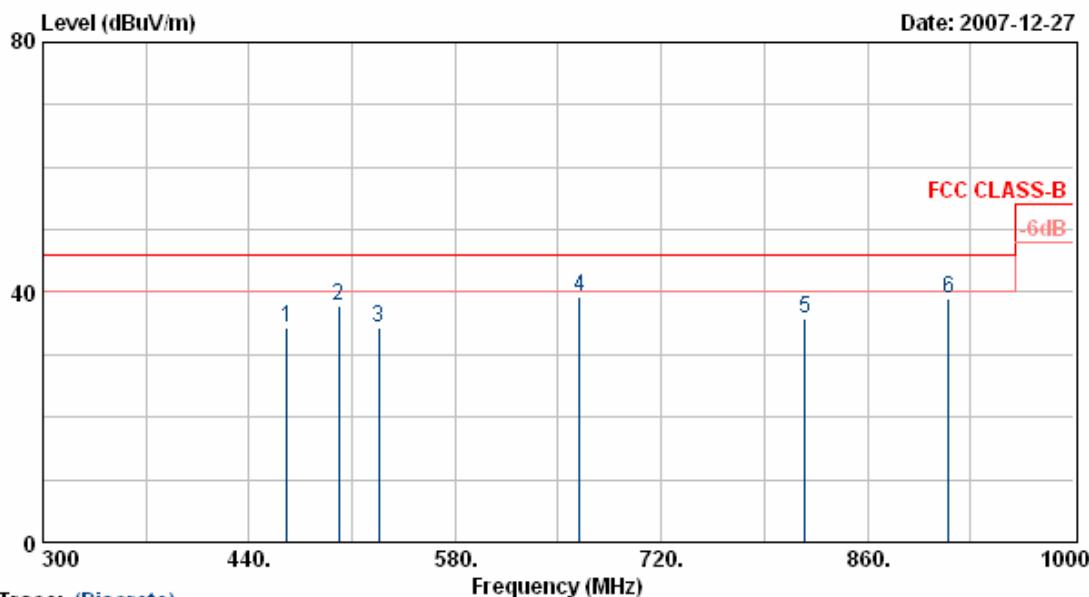


Trace: (Discrete)		Read								Ant	Tab
Item	Freq	Value	Factor	Result	Limit	Margin	Remark	Pos	Pos		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg		
1	143.85	35.51	-12.34	23.17	43.50	-20.33	Peak	100	76		
2	154.85	35.22	-12.49	22.73	43.50	-20.77	Peak	100	67		
3	166.68	37.21	-14.41	22.80	43.50	-20.70	Peak	100	95		
4	202.98	40.34	-12.85	27.49	43.50	-16.01	Peak	100	54		
5	212.05	35.72	-12.21	23.51	43.50	-19.99	Peak	100	71		
6	233.23	39.24	-12.29	26.95	46.00	-19.05	Peak	100	121		

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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
 5. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

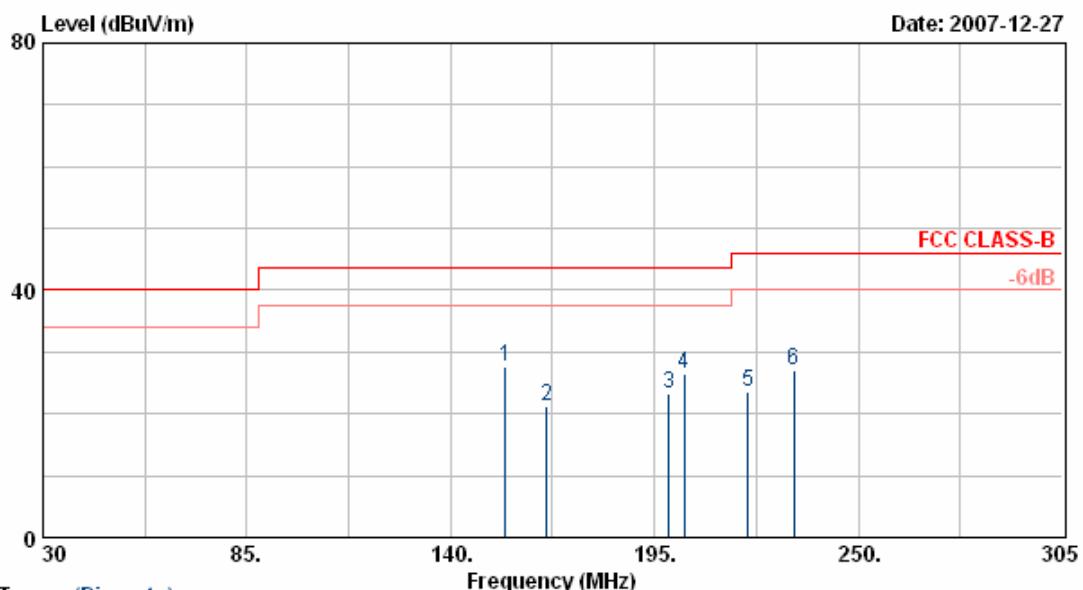


Trace: (Discrete)		Read							Ant	Tab
Item	Freq	Value	Factor	Result	Limit	Margin	Remark	Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg	
1	465.90	40.45	-6.18	34.27	46.00	-11.73	Peak	100	142	
2	500.90	42.67	-4.71	37.95	46.00	-8.05	Peak	100	87	
3	528.20	37.24	-2.79	34.45	46.00	-11.55	Peak	100	55	
4	664.70	43.36	-4.13	39.23	46.00	-6.77	Peak	100	108	
5	817.30	36.80	-1.06	35.74	46.00	-10.26	Peak	100	111	
6	915.30	35.17	3.67	38.84	46.00	-7.16	Peak	100	95	

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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
 5. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

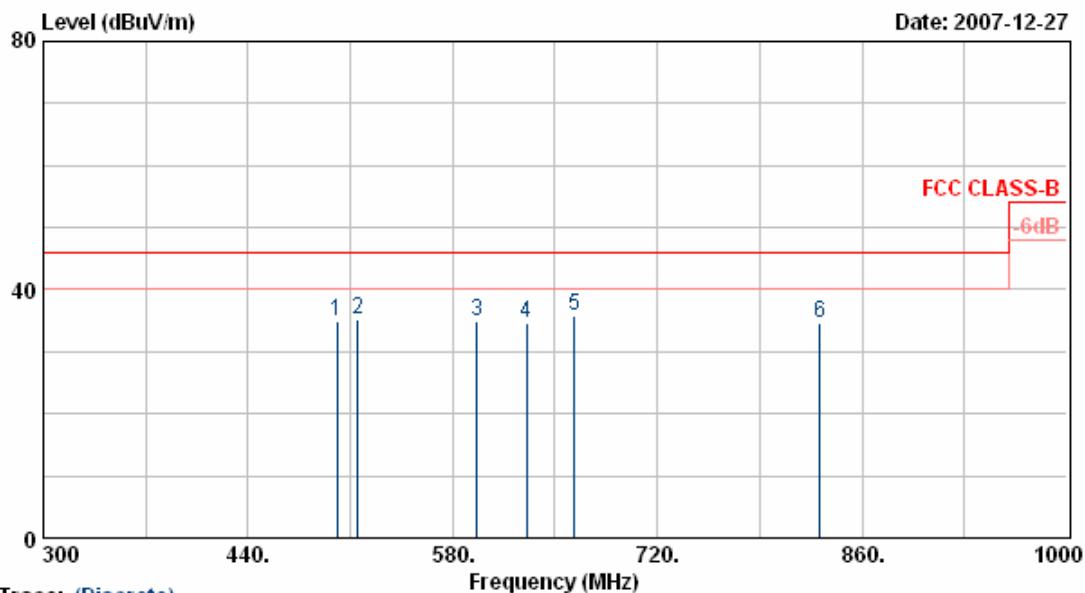


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	154.85	46.74	-18.98	27.76	43.50	-15.74	Peak	100	77
2	165.85	41.54	-20.33	21.21	43.50	-22.29	Peak	100	117
3	198.85	42.33	-19.18	23.14	43.50	-20.36	Peak	100	67
4	202.98	45.53	-18.97	26.55	43.50	-16.95	Peak	100	83
5	220.30	42.18	-18.60	23.57	46.00	-22.43	Peak	100	74
6	232.68	43.98	-16.90	27.07	46.00	-18.93	Peak	100	55

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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

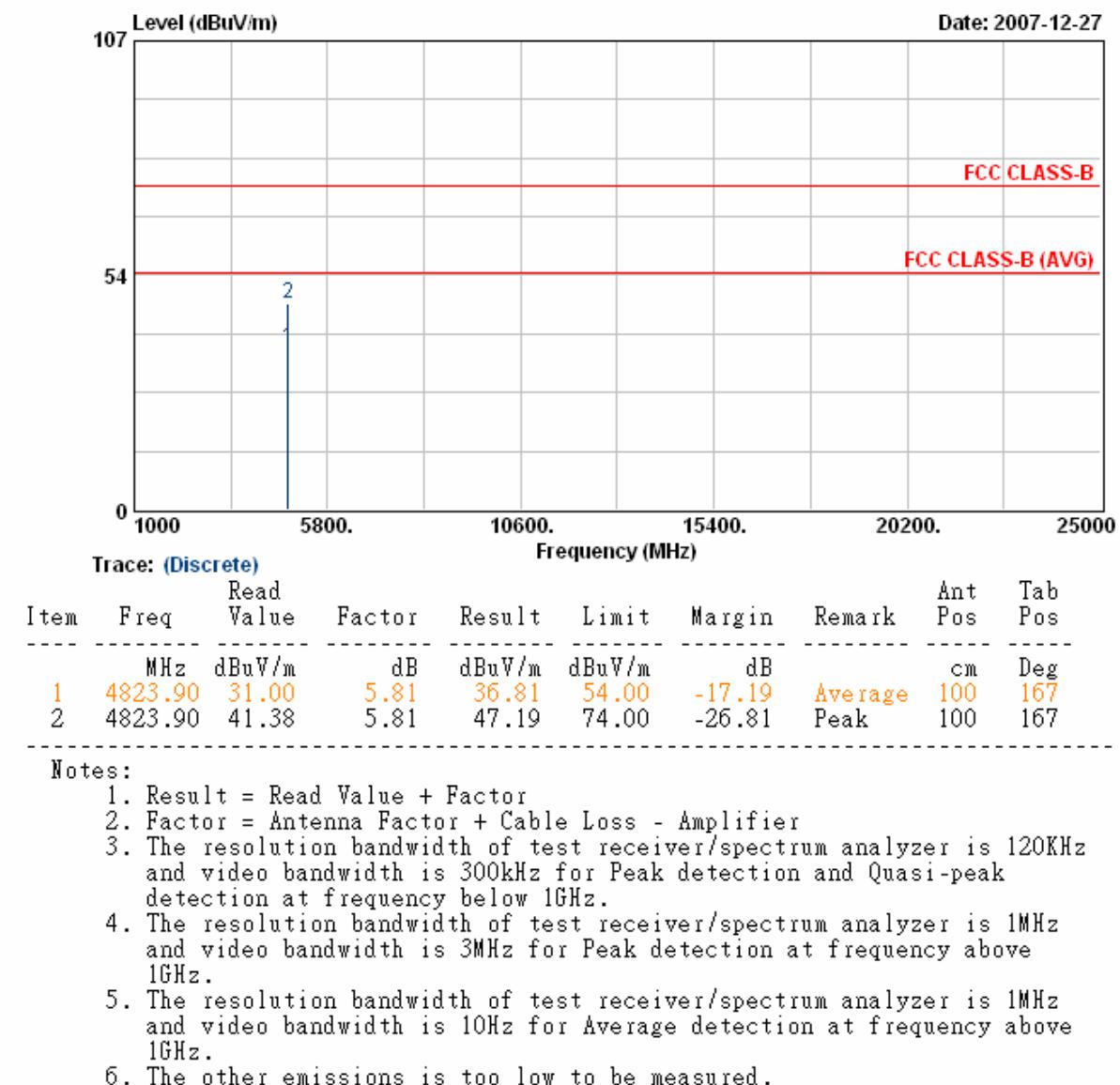


Trace: (Discrete)									
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	500.90	41.43	-6.57	34.85	46.00	-11.15	Peak	100	54
2	514.90	40.36	-5.28	35.08	46.00	-10.92	Peak	100	68
3	596.80	37.93	-2.94	34.99	46.00	-11.01	Peak	100	87
4	630.40	38.87	-4.15	34.72	46.00	-11.28	Peak	100	99
5	663.30	39.11	-3.22	35.88	46.00	-10.12	Peak	100	124
6	831.30	37.73	-2.99	34.74	46.00	-11.26	Peak	100	71

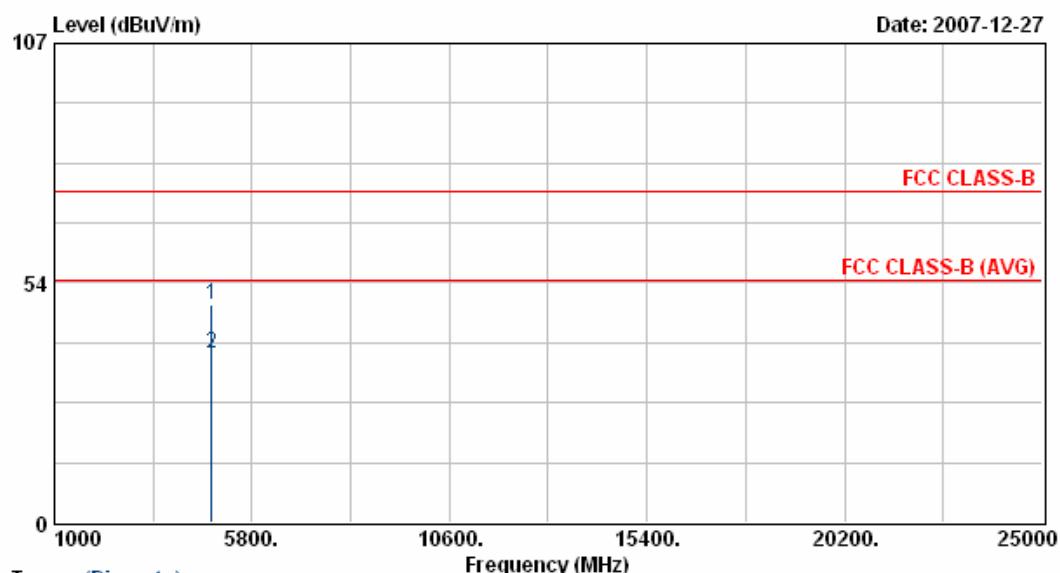
Notes:

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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
 5. The data is worse case.

Power	:	DC 3.3V from PC	Pol/Phase	:	VERTICAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	1	Humidity	:	65 %
Modulation Type	:	802.11Draft n, 20MHz	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	6.5 Mbps



Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

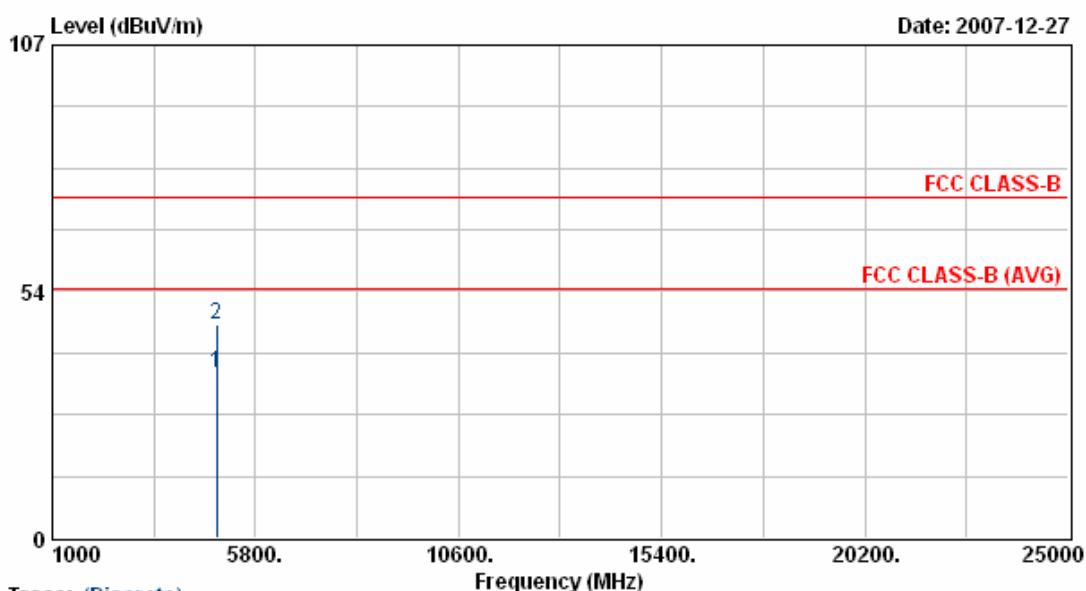


Item	Freq	Read		Result	Limit	Margin	Remark	Ant	Tab
		Value	Factor					Pos	Pos
1	4823.75	42.69	5.81	48.50	74.00	-25.50	Peak	100	224
2	4823.75	31.94	5.81	37.75	54.00	-16.25	Average	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

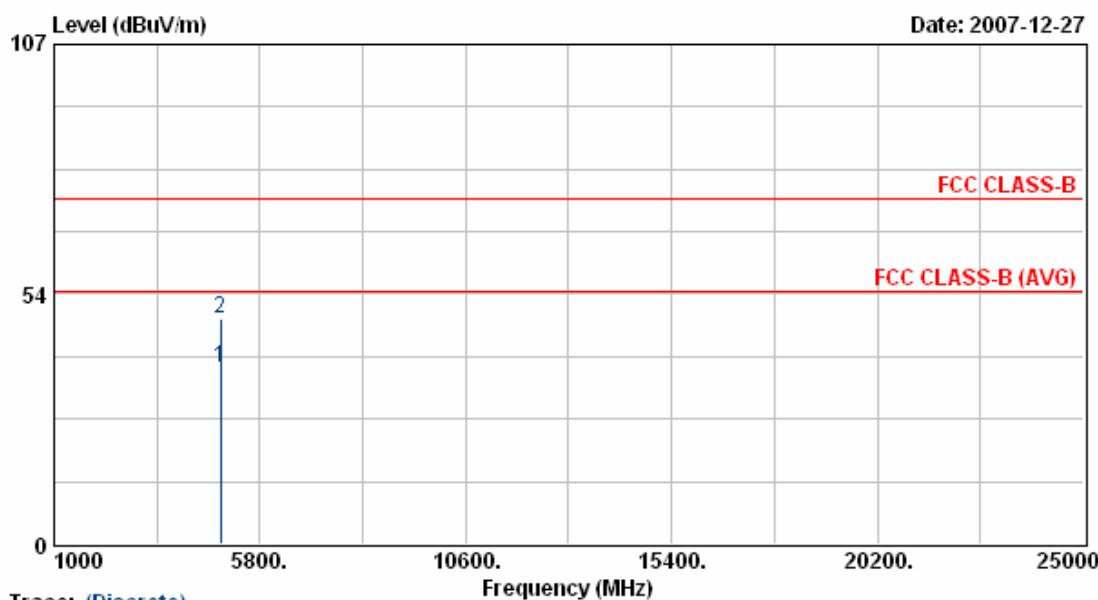


Trace: (Discrete)								Ant	Tab
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4874.20	29.97	5.95	35.92	54.00	-18.08	Average	100	167
2	4874.20	40.31	5.95	46.26	74.00	-27.74	Peak	100	167

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.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

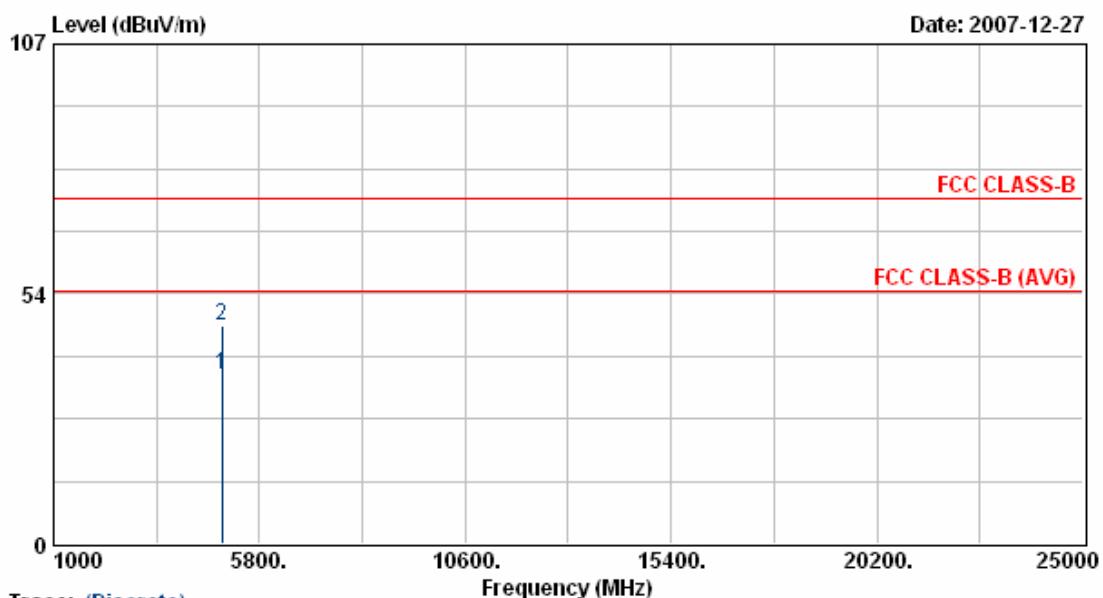


Trace: (Discrete)								Ant	Tab
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4874.13	31.71	5.95	37.66	54.00	-16.34	Average	100	224
2	4874.13	42.47	5.95	48.41	74.00	-25.59	Peak	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

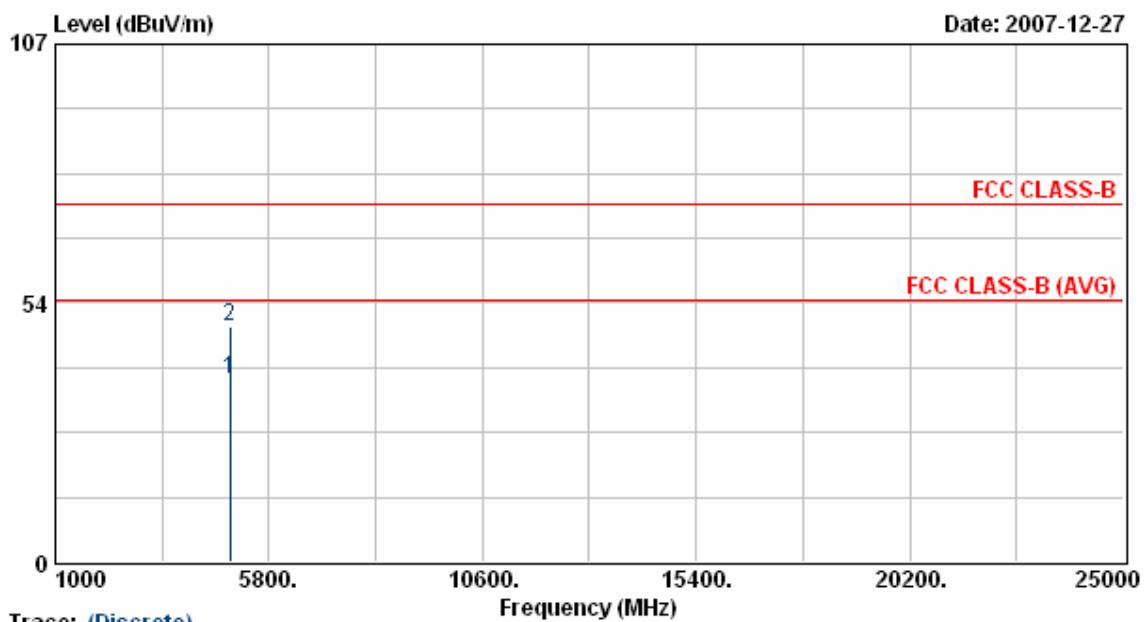


Trace: (Discrete)		Read							Ant	Tab
Item	Freq	Value	Factor	Result	Limit	Margin	Remark	Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg	
1	4924.30	30.28	6.09	36.37	54.00	-17.63	Average	100	167	
2	4924.30	40.47	6.09	46.56	74.00	-27.44	Peak	100	167	

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.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 6.5 Mbps

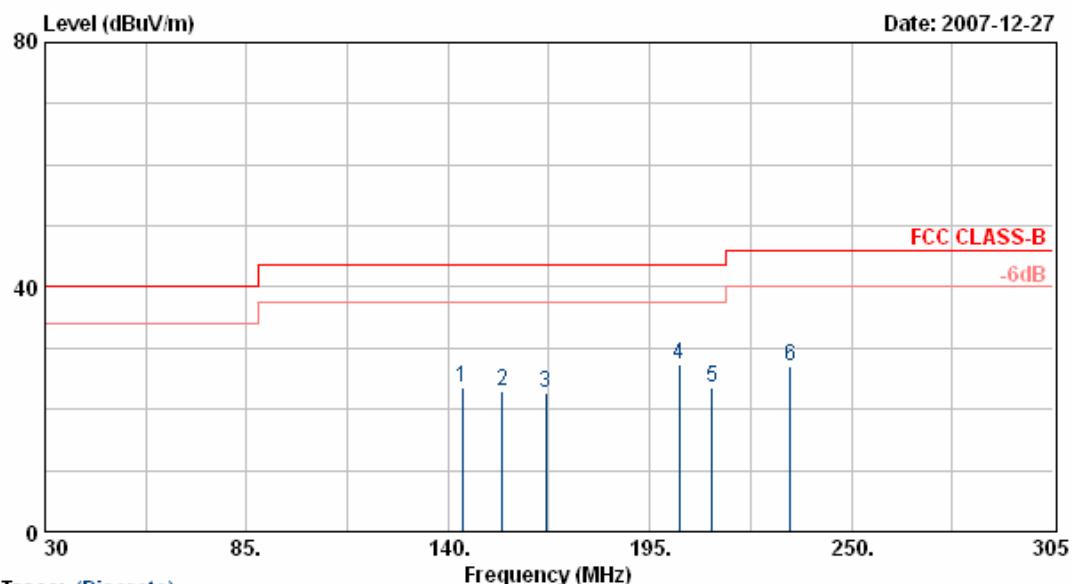


Trace (Discrete)		Read	Value	Factor	Result	Limit	Margin	Remark	Ant	Tab
Item	Freq	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Pos	Pos
1	4924.13	31.50	6.09	37.59	54.00	-16.41	Average	100	224	
2	4924.13	42.58	6.09	48.67	74.00	-25.33	Peak	100	224	

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps

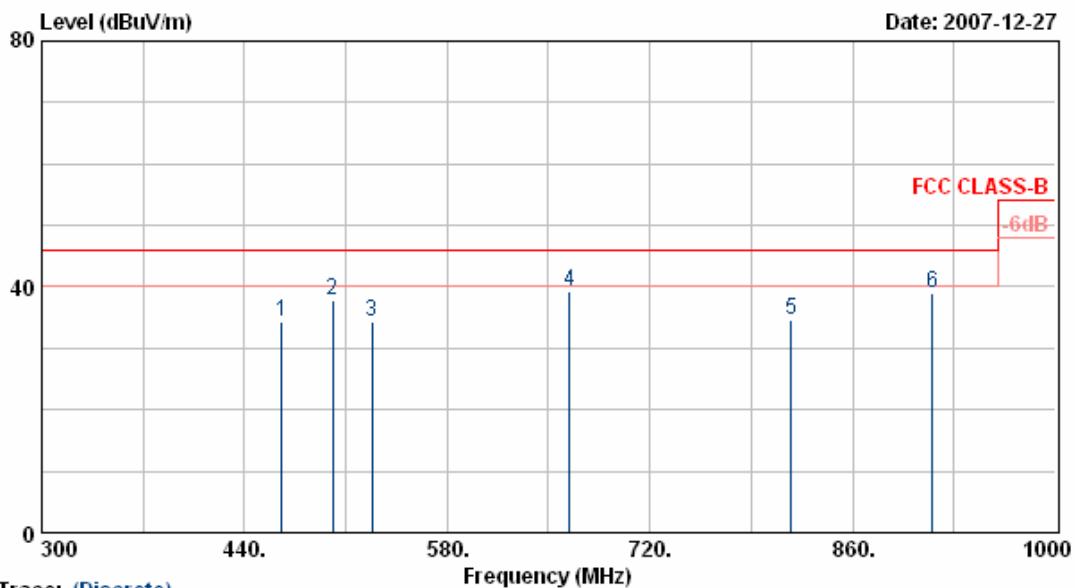


Item	Freq	Read		Result	Limit	Margin	Remark	Ant Pos	Tab Pos
		Value	Factor						
1	143.85	35.81	-12.34	23.47	43.50	-20.03	Peak	100	76
2	154.85	35.52	-12.49	23.04	43.50	-20.46	Peak	100	67
3	166.68	37.06	-14.41	22.66	43.50	-20.84	Peak	100	95
4	202.98	40.34	-12.85	27.49	43.50	-16.01	Peak	100	54
5	212.05	35.72	-12.21	23.51	43.50	-19.99	Peak	100	71
6	233.23	39.39	-12.29	27.10	46.00	-18.90	Peak	100	121

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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.

Power	:	DC 3.3V from PC	Pol/Phase	:	VERTICAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	3	Humidity	:	65 %
Modulation Type	:	802.11Draft n, 40MHz	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	13.5 Mbps

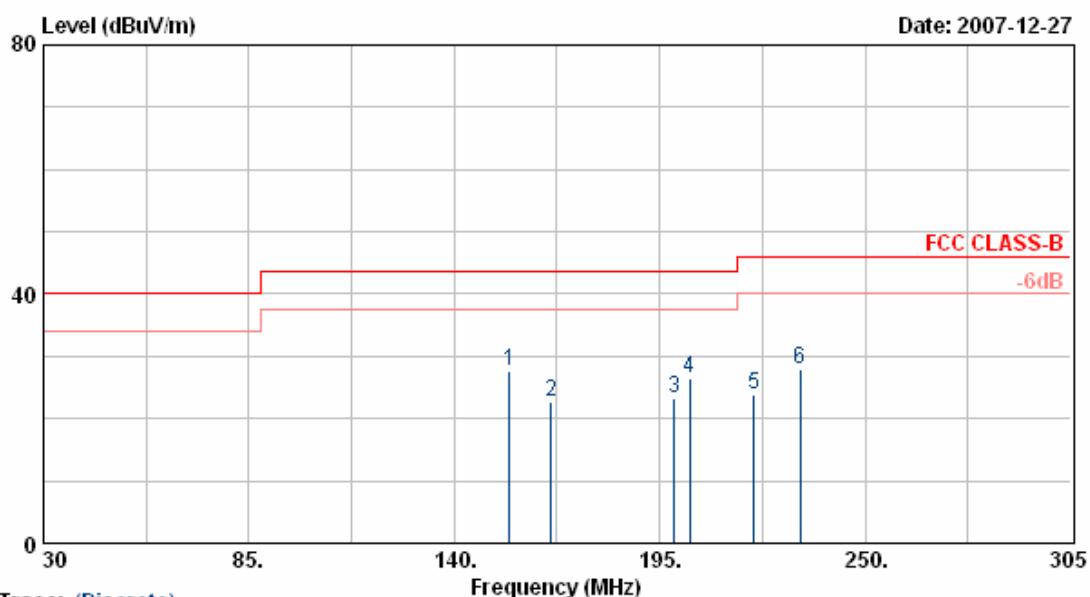


Trace: (Discrete)		Frequency (MHz)							
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	465.90	40.61	-6.18	34.43	46.00	-11.57	Peak	100	142
2	500.90	42.52	-4.71	37.80	46.00	-8.20	Peak	100	87
3	528.20	37.23	-2.79	34.45	46.00	-11.55	Peak	100	55
4	664.70	43.33	-4.13	39.20	46.00	-6.80	Peak	100	108
5	817.30	35.79	-1.06	34.73	46.00	-11.27	Peak	100	111
6	915.30	35.42	3.67	39.09	46.00	-6.91	Peak	100	95

Notes:

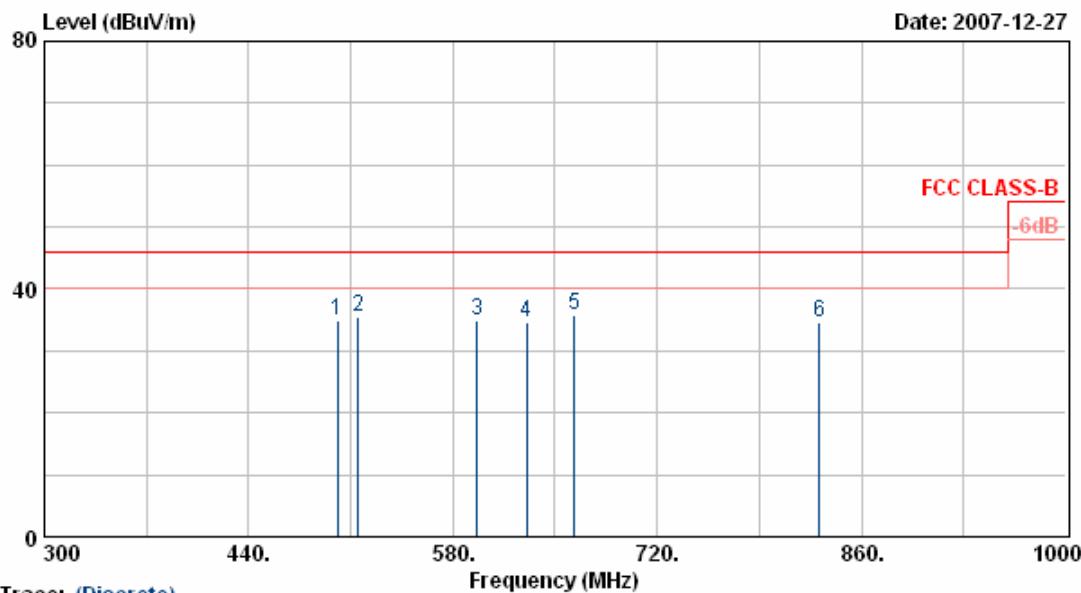
1. Result = Read Value + Factor
 2. Factor = Antenna Factor + Cable Loss - Amplifier
 3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
 4. According to technical experiences, all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

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps

**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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps

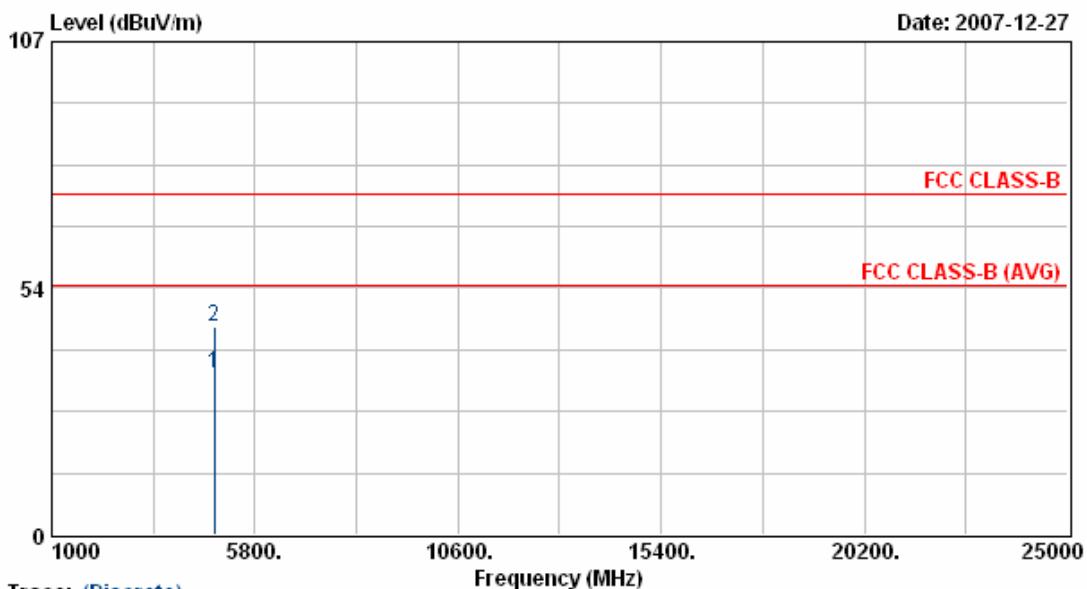


Trace: (Discrete)		Read								Ant	Tab
Item	Freq	Value	Factor	Result	Limit	Margin	Remark	Pos	Pos		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg		
1	500.90	41.63	-6.57	35.05	46.00	-10.95	Peak	100	54		
2	514.90	40.69	-5.28	35.41	46.00	-10.59	Peak	100	68		
3	596.80	37.93	-2.94	34.99	46.00	-11.01	Peak	100	87		
4	630.40	38.87	-4.15	34.72	46.00	-11.28	Peak	100	99		
5	663.30	39.11	-3.22	35.88	46.00	-10.12	Peak	100	124		
6	831.30	37.73	-2.99	34.74	46.00	-11.26	Peak	100	71		

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. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
 5. The data is worse case.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps



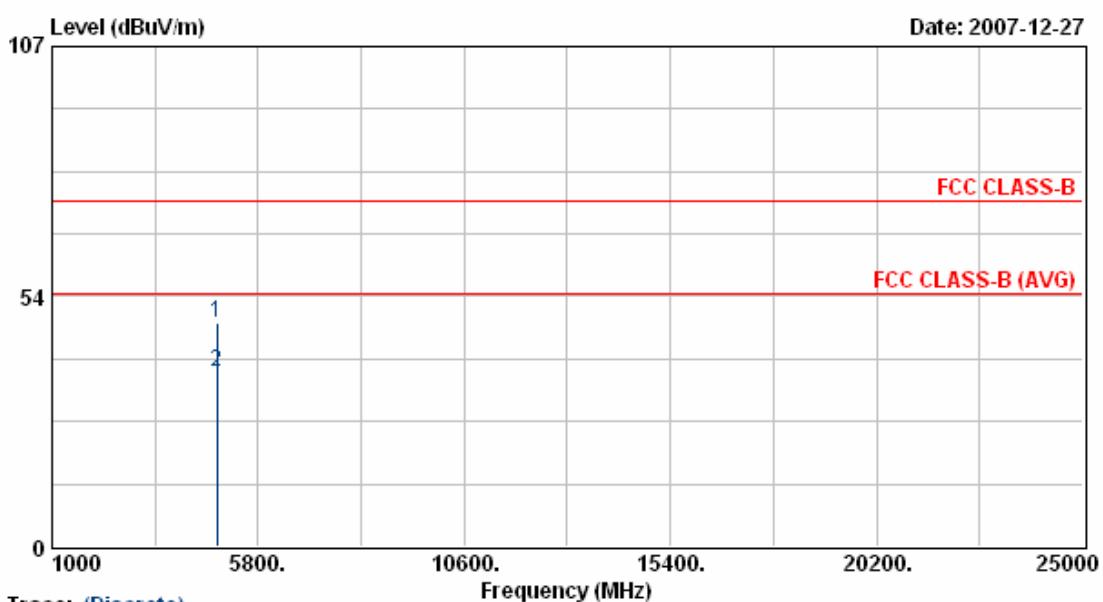
Trace: (Discrete)

Item	Read Freq	Value MHz	Factor	Result dB	Limit dBuV/m	Margin dB	Remark	Ant Pos	Tab Pos
1	4843.90	29.28	5.86	35.15	54.00	-18.85	Average	100	167
2	4843.90	39.44	5.86	45.31	74.00	-28.69	Peak	100	167

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.

Power	:	DC 3.3V from PC	Pol/Phase	:	HORIZONTAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	3	Humidity	:	65 %
Modulation Type	:	802.11Draft n, 40MHz	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	13.5 Mbps

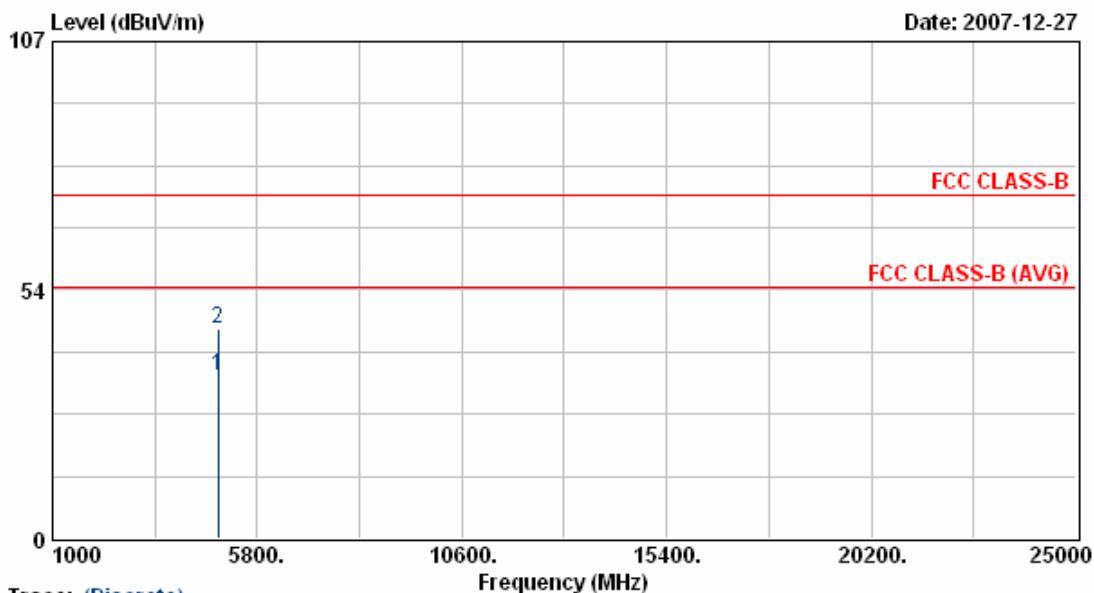


Trace: (Discrete)								Ant	Tab
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4844.25	42.01	5.86	47.88	74.00	-26.12	Peak	100	224
2	4844.25	31.62	5.86	37.48	54.00	-16.52	Average	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps

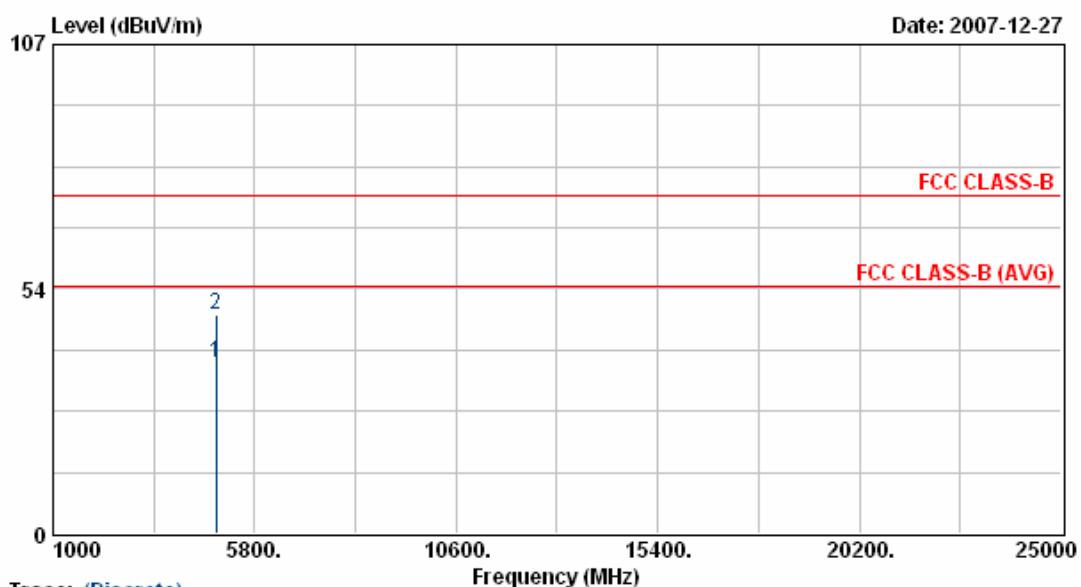


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.90	28.92	5.95	34.87	54.00	-19.13	Average	100	167
2	4873.90	39.11	5.95	45.06	74.00	-28.94	Peak	100	167

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.

Power	:	DC 3.3V from PC	Pol/Phase	:	HORIZONTAL
Test Mode	:	Transmit / Receive	Temperature	:	22 °C
Operation Channel	:	6	Humidity	:	65 %
Modulation Type	:	802.11Draft n, 40MHz	Atmospheric Pressure	:	1030 hPa
Memo	:		Rate	:	13.5 Mbps

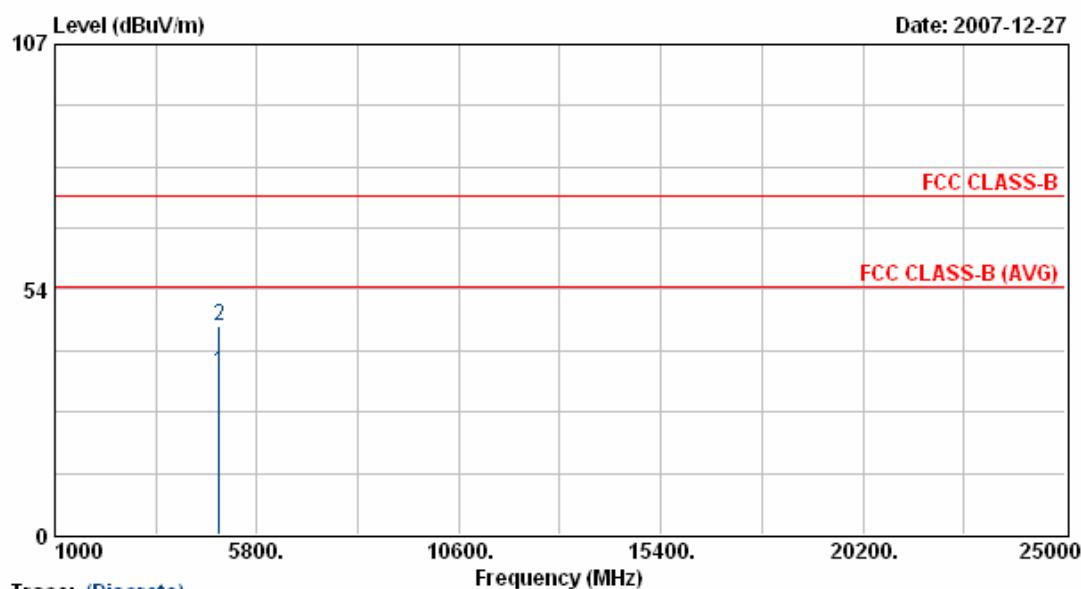


Trace: (Discrete)									
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m		dB	dBuV/m	dBuV/m		cm	Deg
1	4873.25	31.56	5.95	37.51	54.00	-16.49	Average	100	224
2	4873.25	42.09	5.95	48.03	74.00	-25.97	Peak	100	224

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.

Power	: DC 3.3V from PC	Pol/Phase	: VERTICAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 9	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps

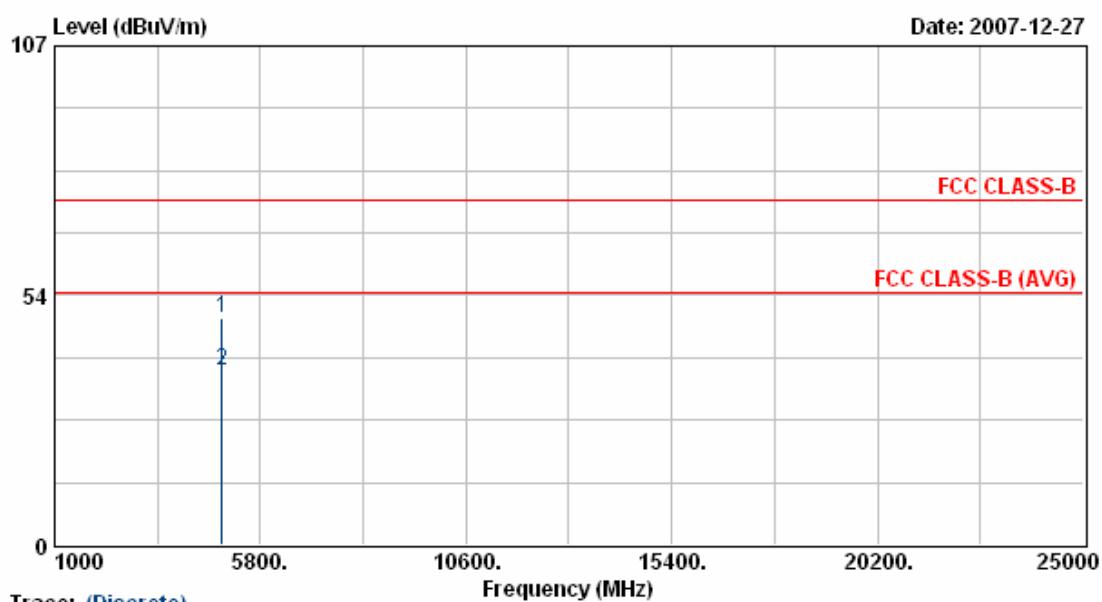


Trace: (Discrete)		Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
Item	Freq	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	cm	Deg
1	4903.90	29.26	6.03	35.29	54.00	-18.71	Average	100	167
2	4903.90	39.60	6.03	45.63	74.00	-28.37	Peak	100	167

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.

Power	: DC 3.3V from PC	Pol/Phase	: HORIZONTAL
Test Mode	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 9	Humidity	: 65 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1030 hPa
Memo	:	Rate	: 13.5 Mbps



Trace: (discrete)		Read							Ant	Tab
Item	Freq	Value	Factor	Result	Limit	Margin	Remark	Pos	Pos	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg	
1	4903.00	42.64	6.03	48.67	74.00	-25.33	Peak	100	224	
2	4903.00	31.44	6.03	37.47	54.00	-16.53	Average	100	224	

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.

Test engineer: Ben

6. 6dB Bandwidth Measurement Data

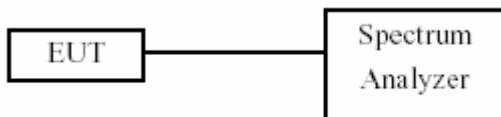
6.1 Test Limit

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	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2007/01/23	2008/01/22

6.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11b (11Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	11.80
06	2437	12.20
11	2462	12.00

- (2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	16.40
06	2437	16.40
11	2462	16.40

- (3) Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

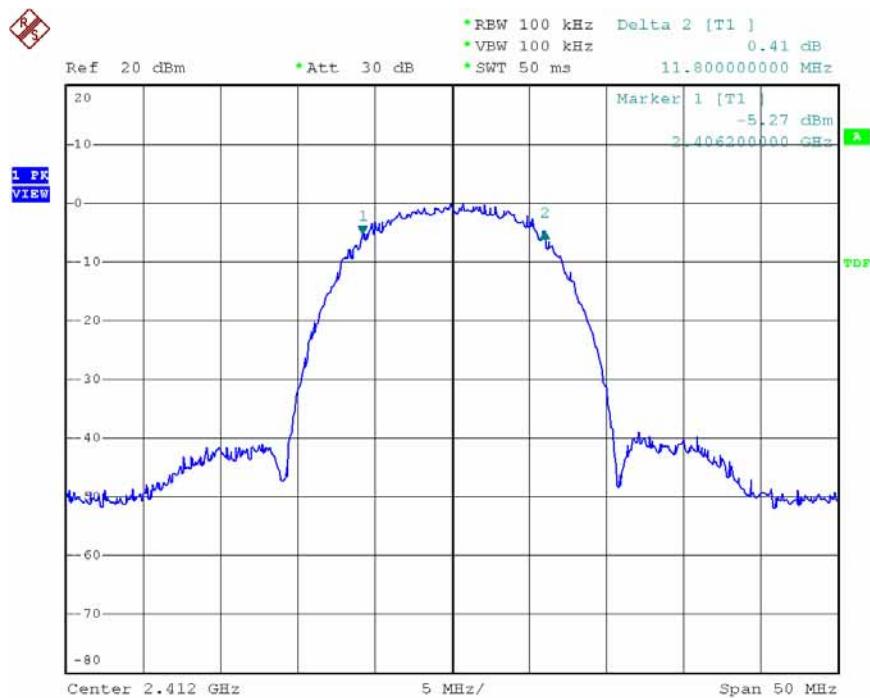
Channel	Frequency (MHz)	6dB Bandwidth of TX0 (MHz)	6dB Bandwidth of TX1 (MHz)
01	2412	17.80	17.80
06	2437	17.70	17.70
11	2462	17.70	17.80

- (4) Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

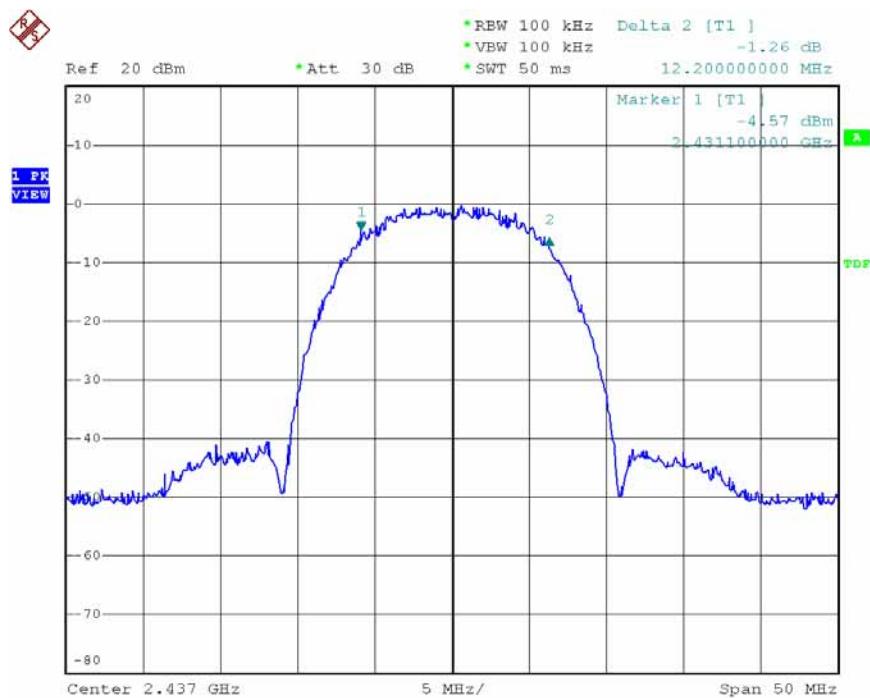
Channel	Frequency (MHz)	6dB Bandwidth of TX0 (MHz)	6dB Bandwidth of TX1 (MHz)
03	2422	36.40	36.60
06	2437	36.60	36.80
09	2452	36.40	36.60

Modulation Standard: 802.11b (11Mbps)
Channel: 01



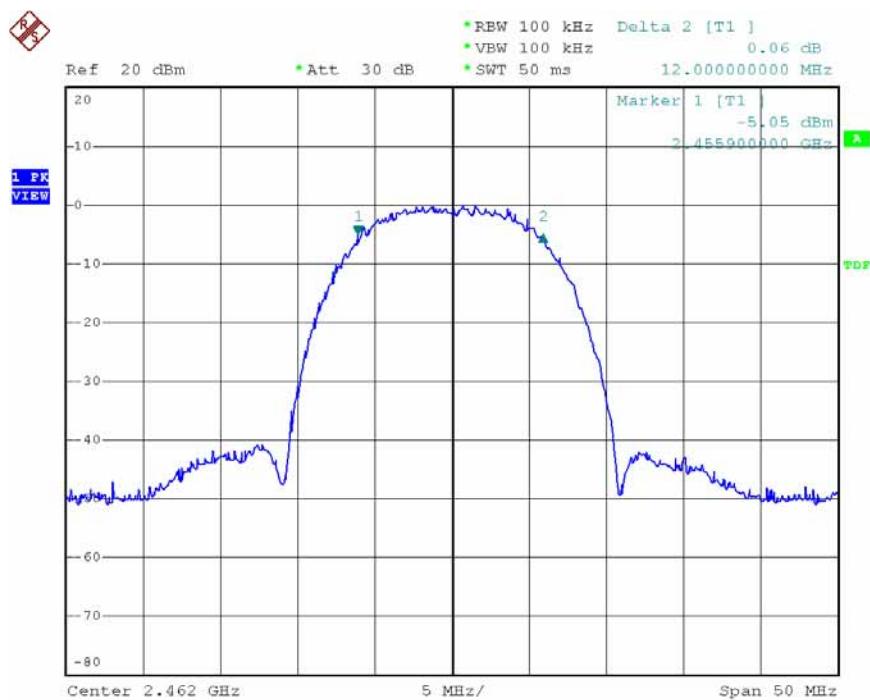
Date: 18.DEC.2007 22:46:36

Modulation Standard: 802.11b (11Mbps)
Channel: 06



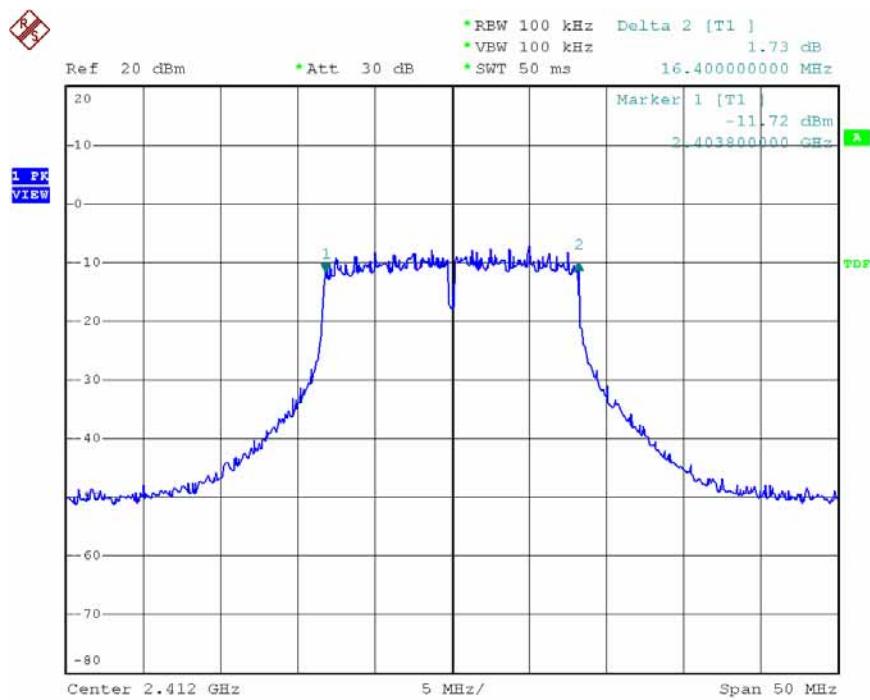
Date: 18.DEC.2007 22:44:37

Modulation Standard: 802.11b (11Mbps)
Channel: 11



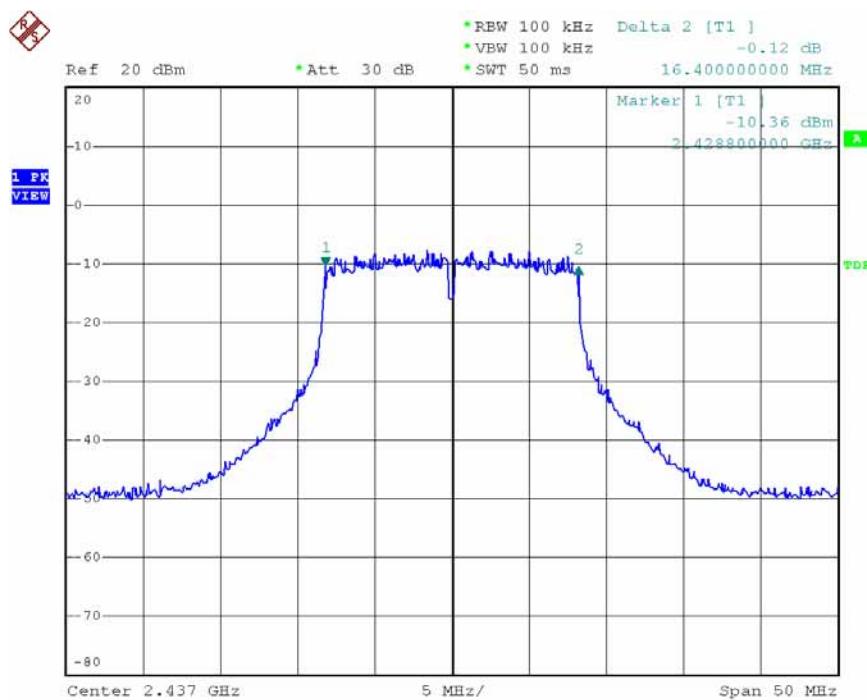
Date: 18.DEC.2007 22:42:27

Modulation Standard: 802.11g (6Mbps)
Channel: 01



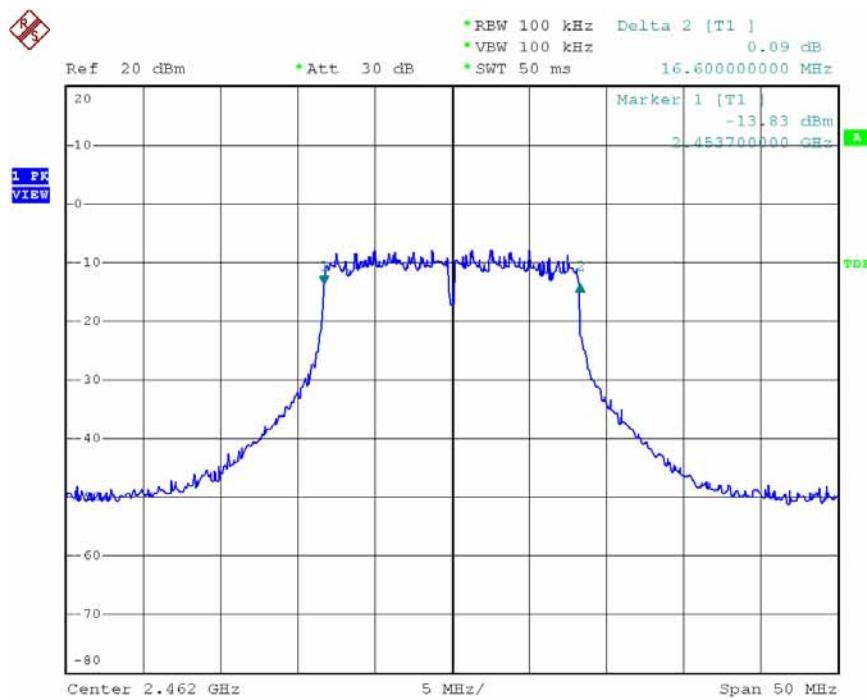
Date: 18.DEC.2007 22:35:37

Modulation Standard: 802.11g (6Mbps)
Channel: 06



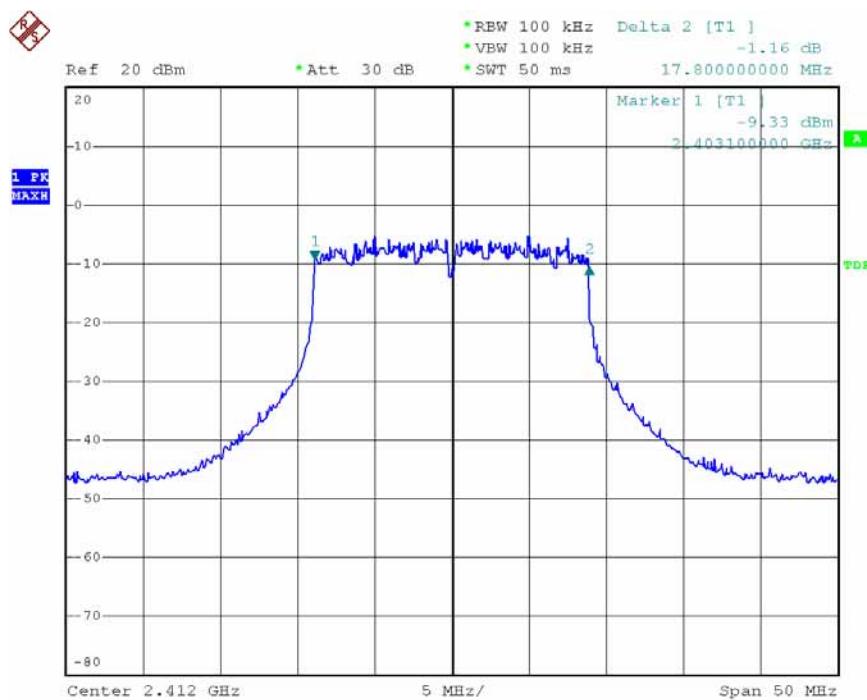
Date: 18.DEC.2007 22:38:29

Modulation Standard: 802.11g (6Mbps)
Channel: 11



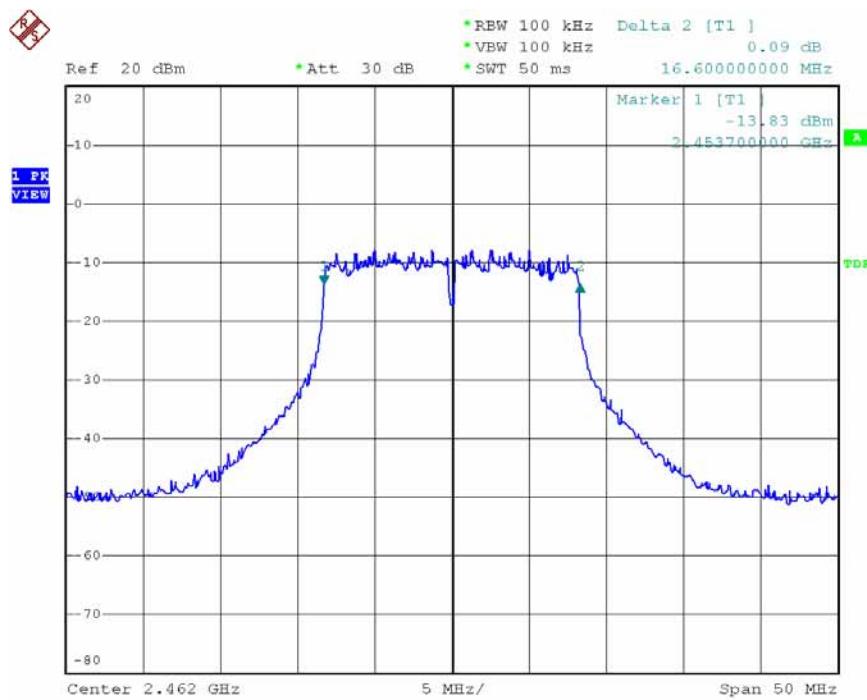
Date: 18.DEC.2007 22:40:29

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX0
 Channel: 01



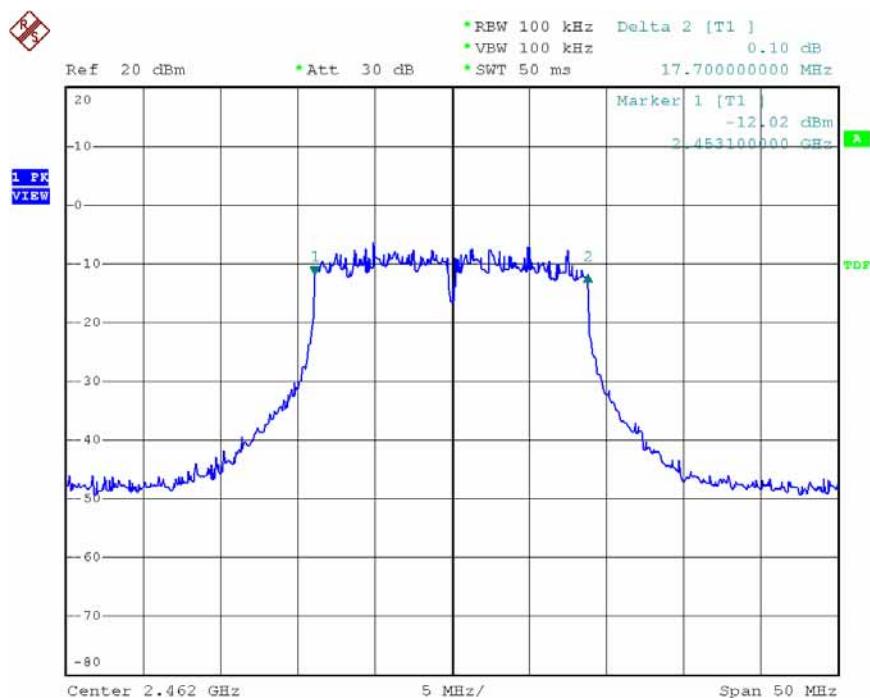
Date: 26.DEC.2007 14:04:33

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX0
 Channel: 06



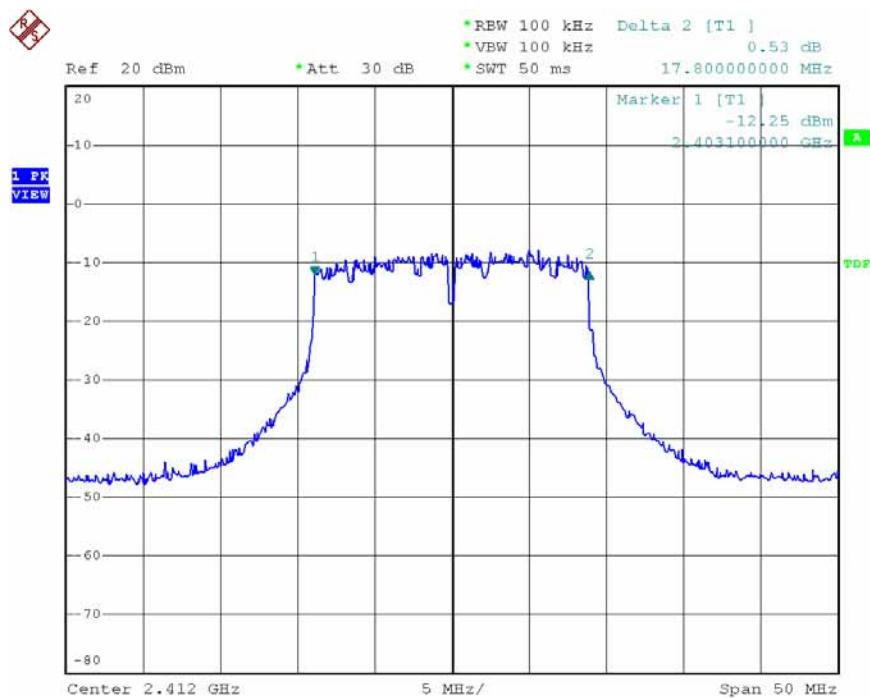
Date: 18.DEC.2007 22:40:29

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX0
 Channel: 11



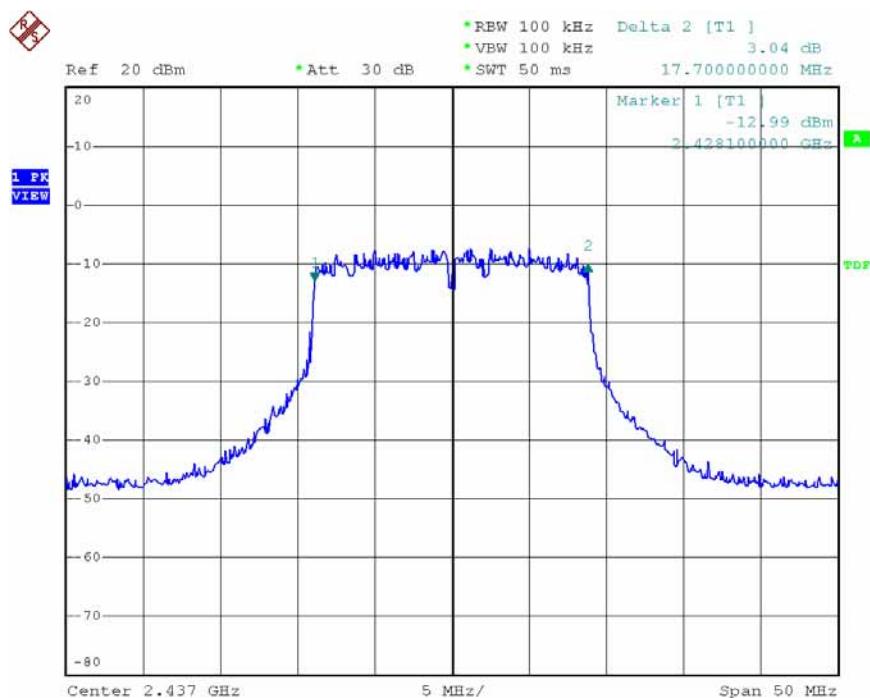
Date: 26.DEC.2007 13:52:19

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX1
 Channel: 01



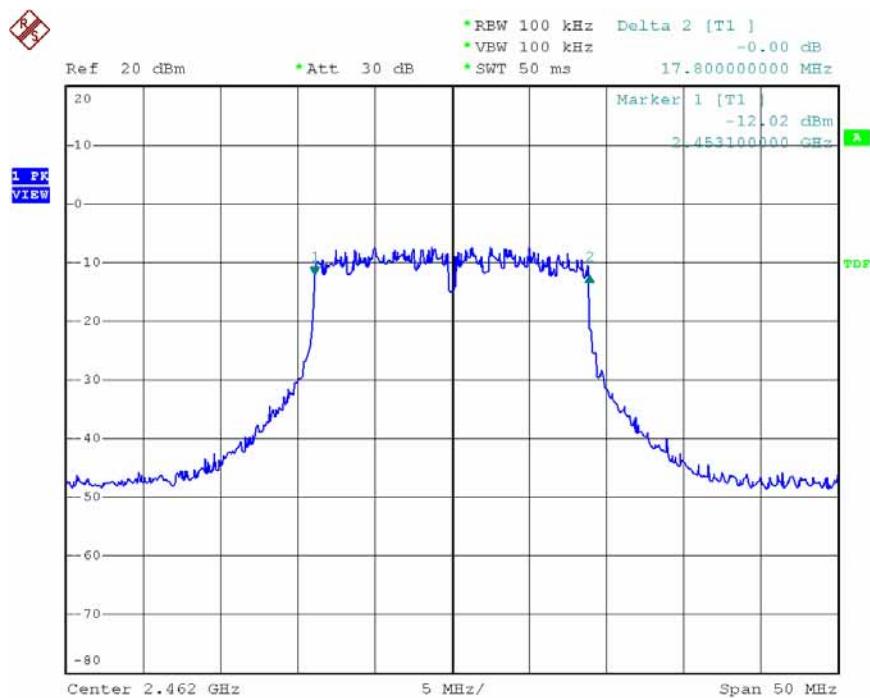
Date: 26.DEC.2007 14:08:35

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX1
 Channel: 06



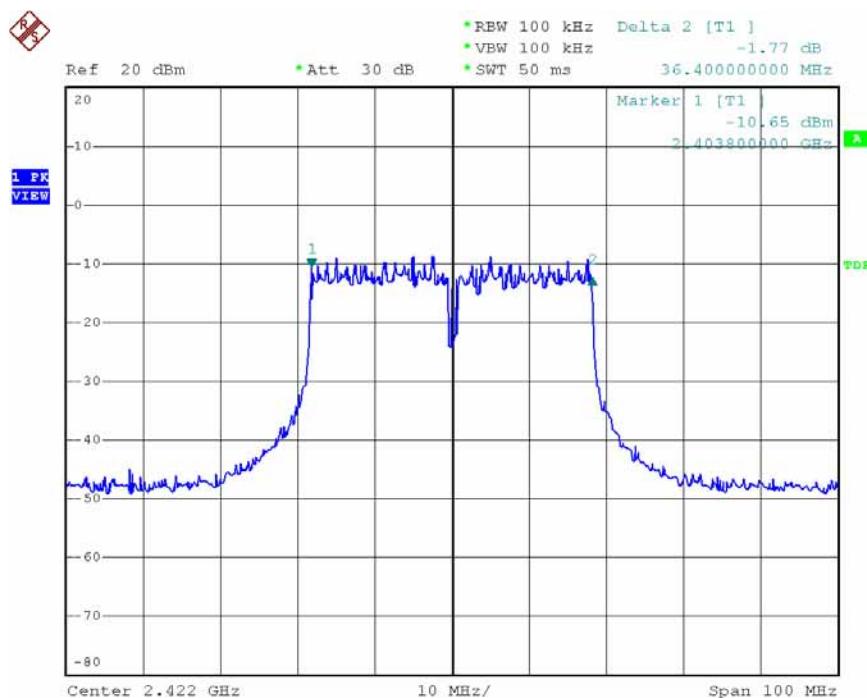
Date: 26.DEC.2007 13:56:53

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX1
 Channel: 11



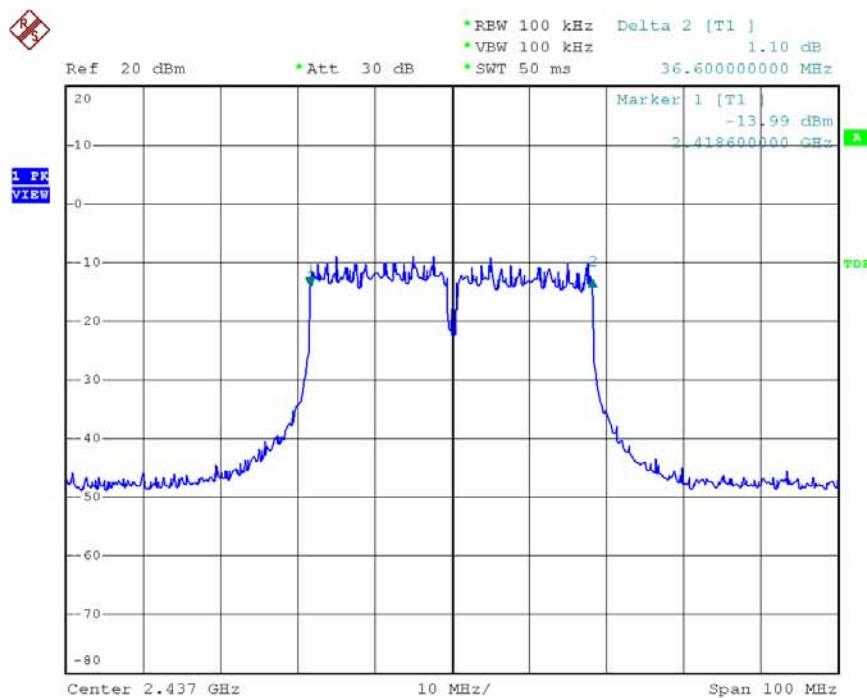
Date: 26.DEC.2007 13:54:07

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX0
 Channel: 03



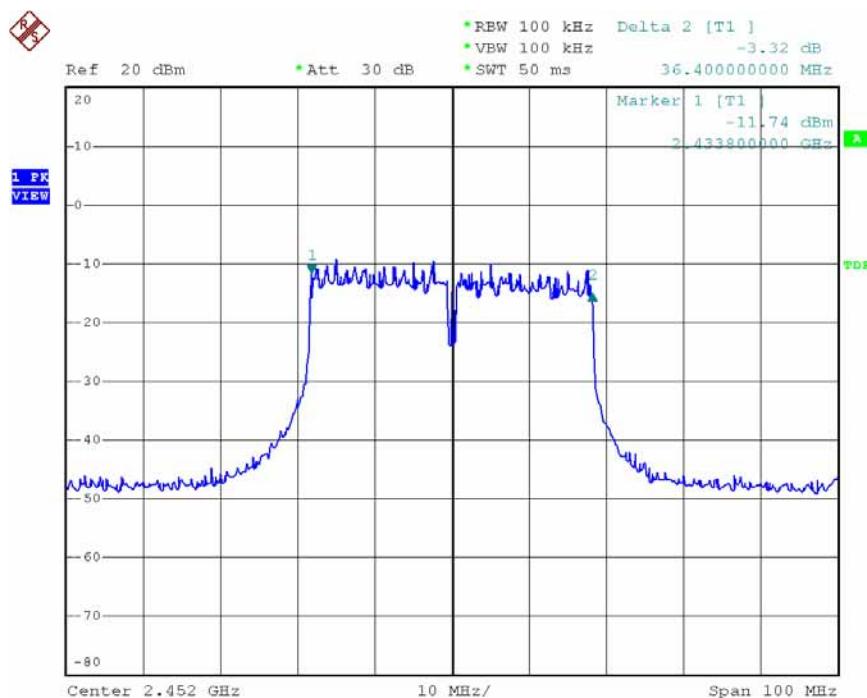
Date: 26.DEC.2007 13:41:51

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX0
 Channel: 06



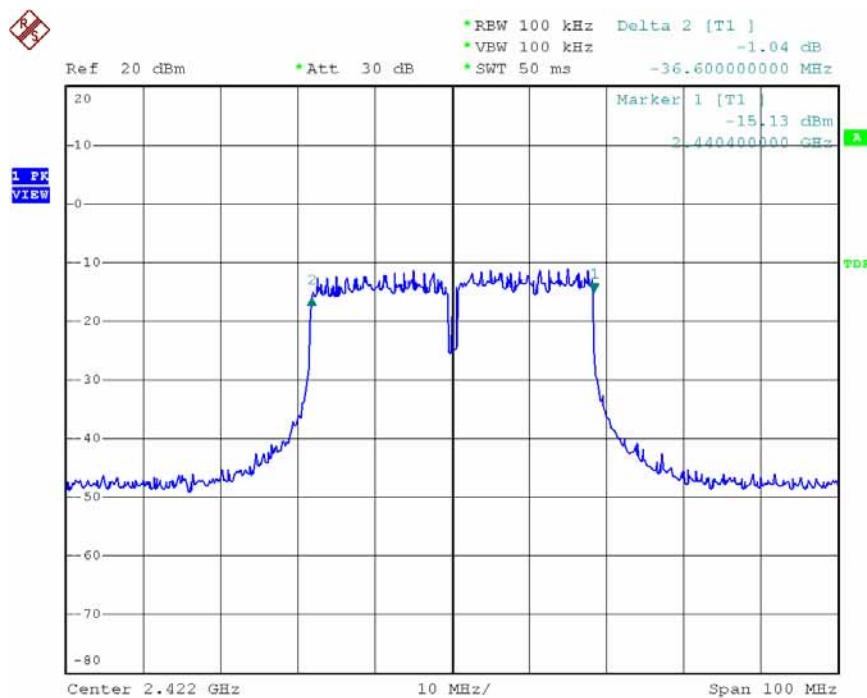
Date: 26.DEC.2007 13:44:02

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX0
 Channel: 09



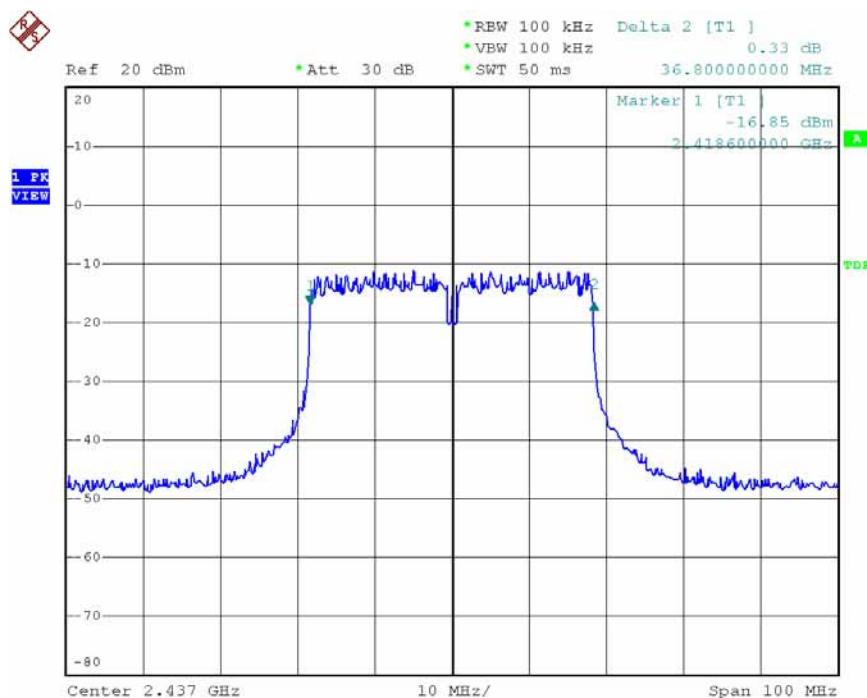
Date: 26.DEC.2007 13:50:02

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX1
 Channel: 03



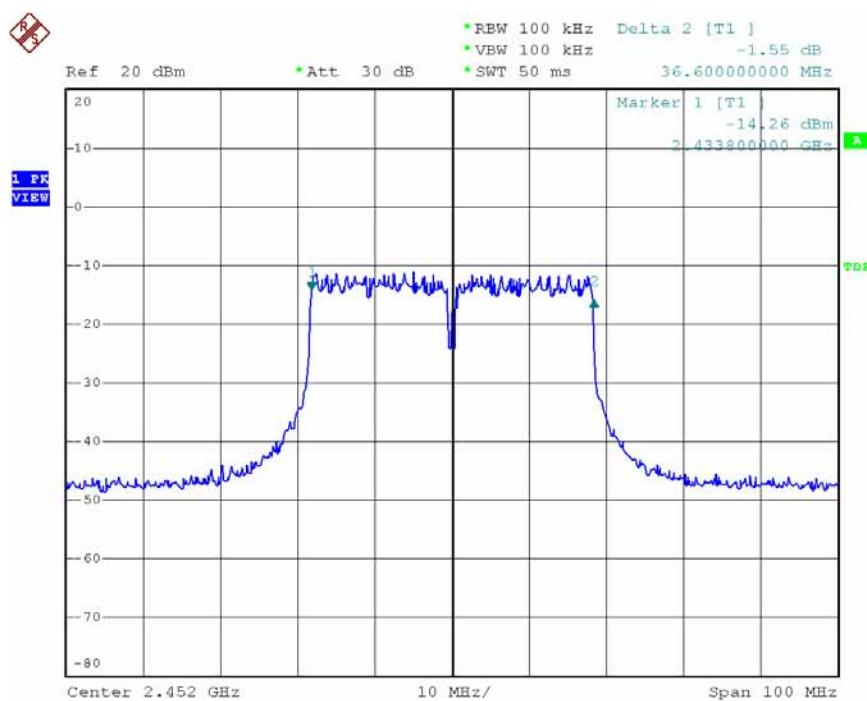
Date: 26.DEC.2007 13:40:09

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX1
 Channel: 06



Date: 26.DEC.2007 13:45:58

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX1
 Channel: 09



Date: 26.DEC.2007 13:47:52

7. Maximum Peak Output Power

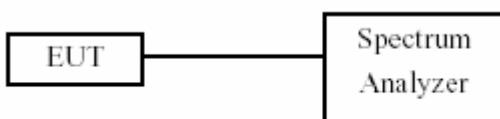
7.1 Test Limit

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	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	100047	2007/01/23	2008/01/22

7.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11b (11Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	18.23	66.50
06	2437	18.09	64.40
11	2462	17.93	62.10

- (2) Modulation Standard: IEEE 802.11g (24Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	15.10	32.40
06	2437	15.45	35.10
11	2462	15.01	31.70

- (3) Modulation Standard: IEEE 802.11Draft n, 20MHz (6.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

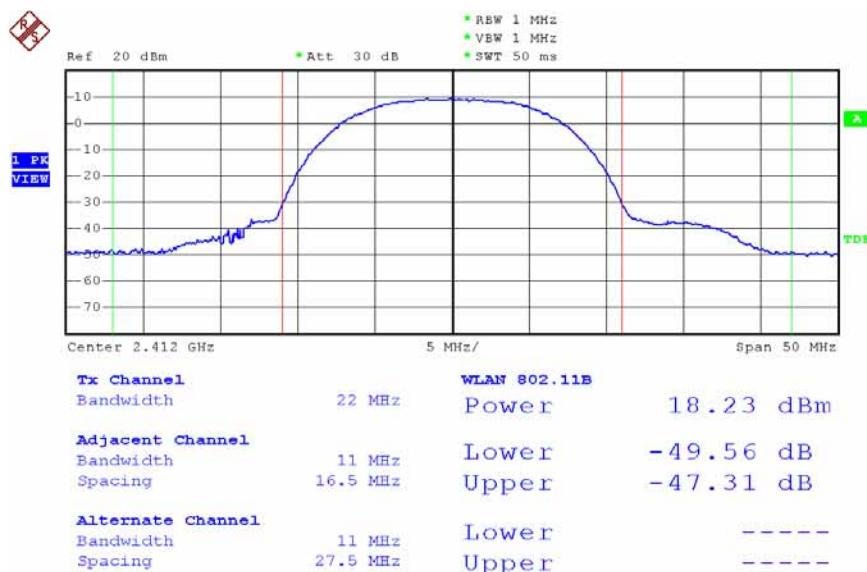
Channel	Frequency (MHz)	Peak Power Output Of TX0 (dBm)	Peak Power Output Of TX1 (dBm)	Peak Power Output Of Total (dBm)	Peak Power Output Of Total (mW)
01	2412	9.17	6.93	11.20	13.19
06	2437	8.44	7.51	11.01	12.62
11	2462	8.02	8.01	11.03	12.66

- (4) Modulation Standard: IEEE 802.11Draft n, 40MHz (13.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

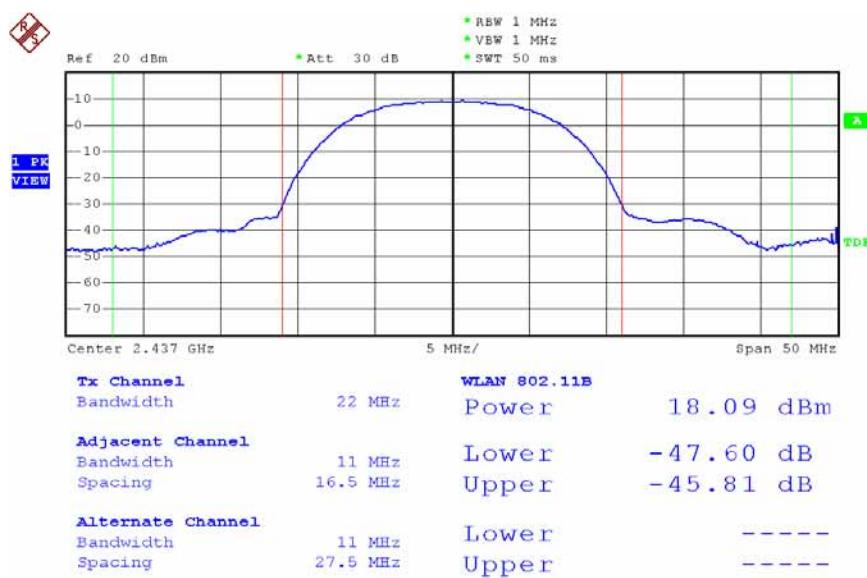
Channel	Frequency (MHz)	Peak Power Output Of TX0 (dBm)	Peak Power Output Of TX1 (dBm)	Peak Power Output Of Total (dBm)	Peak Power Output Of Total (mW)
03	2422	8.33	7.46	10.93	12.38
06	2437	8.26	7.47	10.89	12.28
09	2452	8.16	8.04	11.11	12.91

Modulation Standard: 802.11b (11Mbps)
Channel: 01



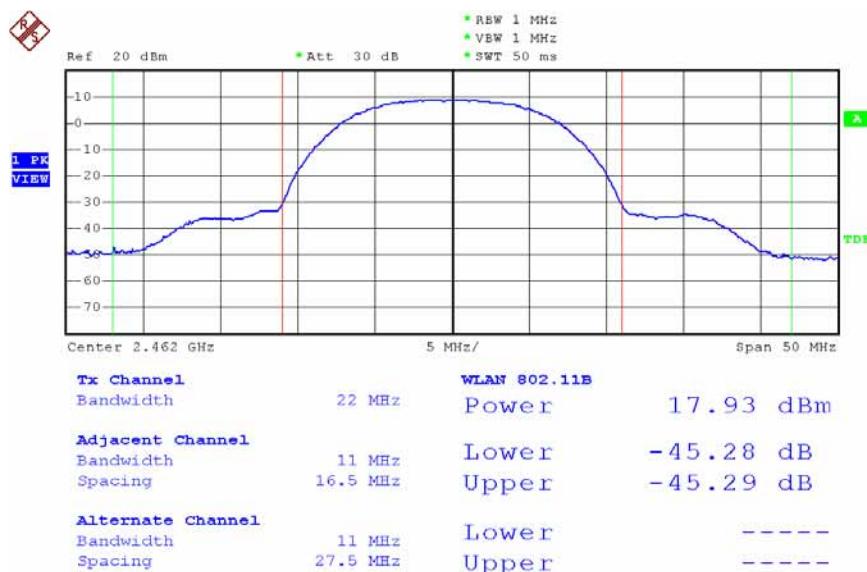
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Modulation Standard: 802.11b (11Mbps)
Channel: 06



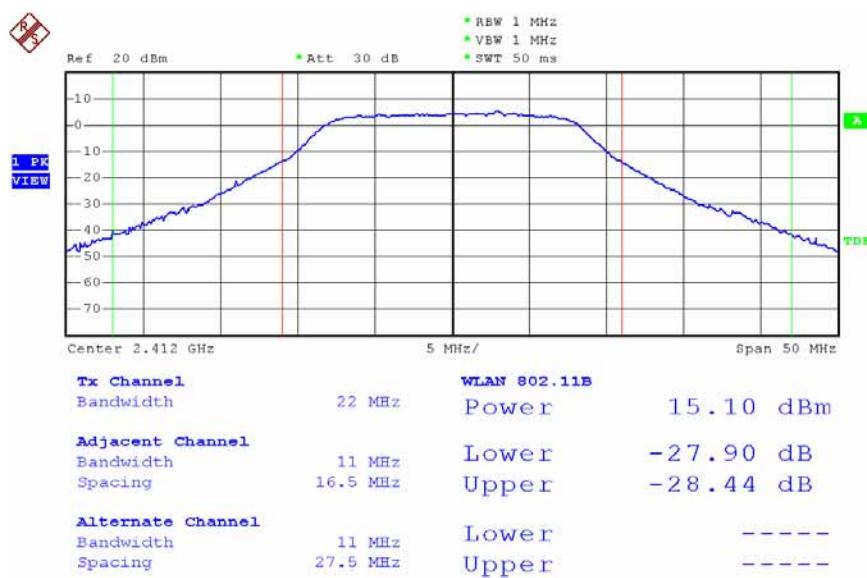
Date: 27.DEC.2007 20:11:26

Modulation Standard: 802.11b (11Mbps)
Channel: 11



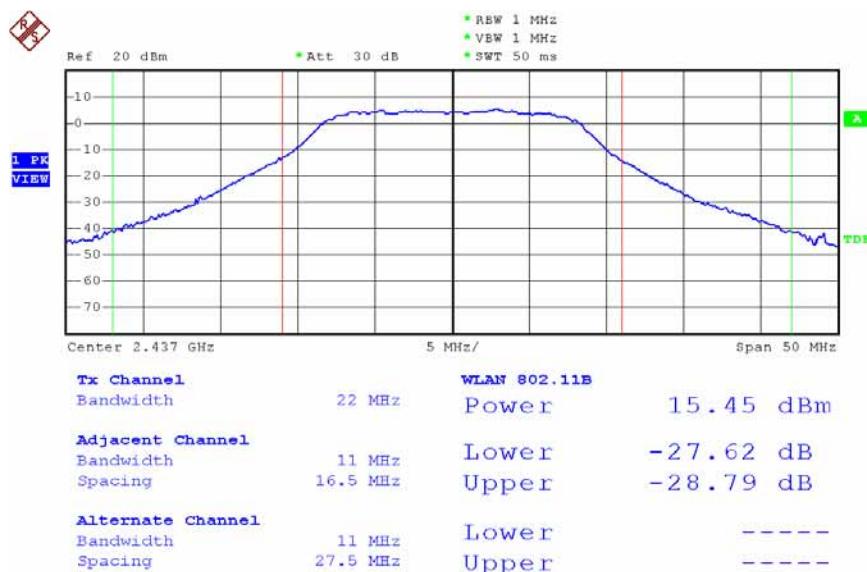
Date: 27.DEC.2007 19:56:00

Modulation Standard: 802.11g (6Mbps)
Channel: 01



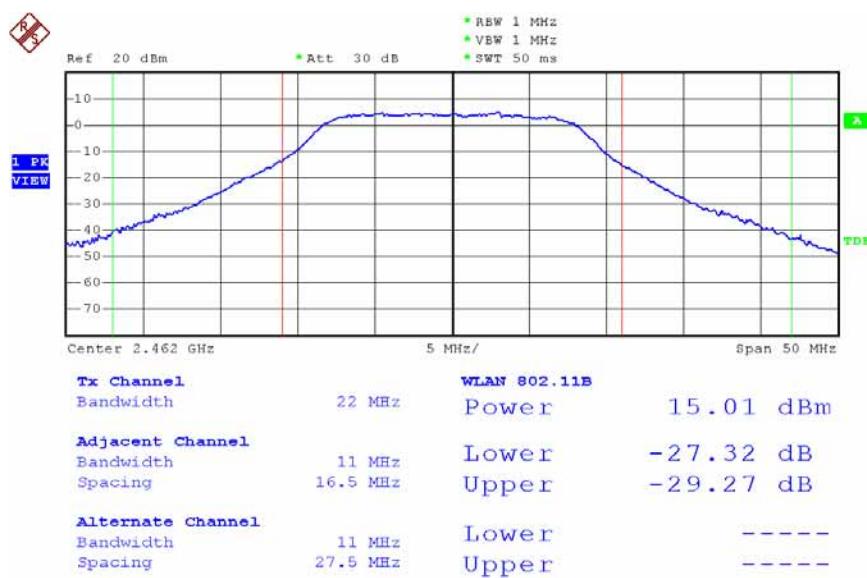
Date: 27.DEC.2007 19:45:43

Modulation Standard: 802.11g (6Mbps)
Channel: 06



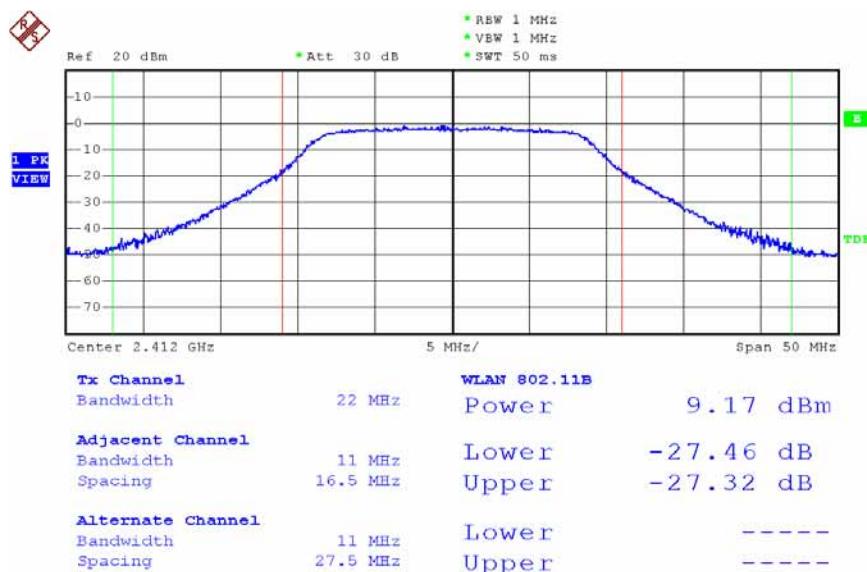
Date: 27.DEC.2007 19:47:53

Modulation Standard: 802.11g (6Mbps)
Channel: 11



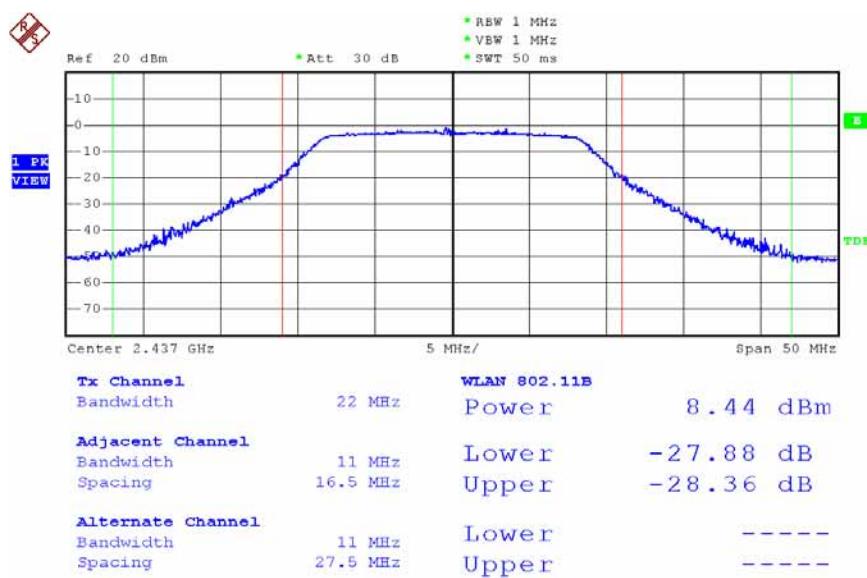
Date: 27.DEC.2007 19:57:26

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX0
Channel: 01



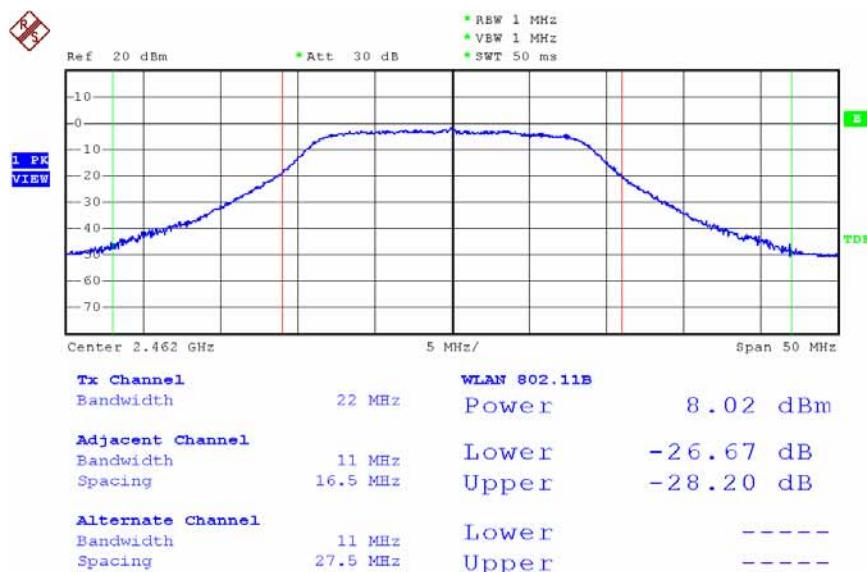
Date: 27.DEC.2007 19:15:57

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX0
Channel: 06



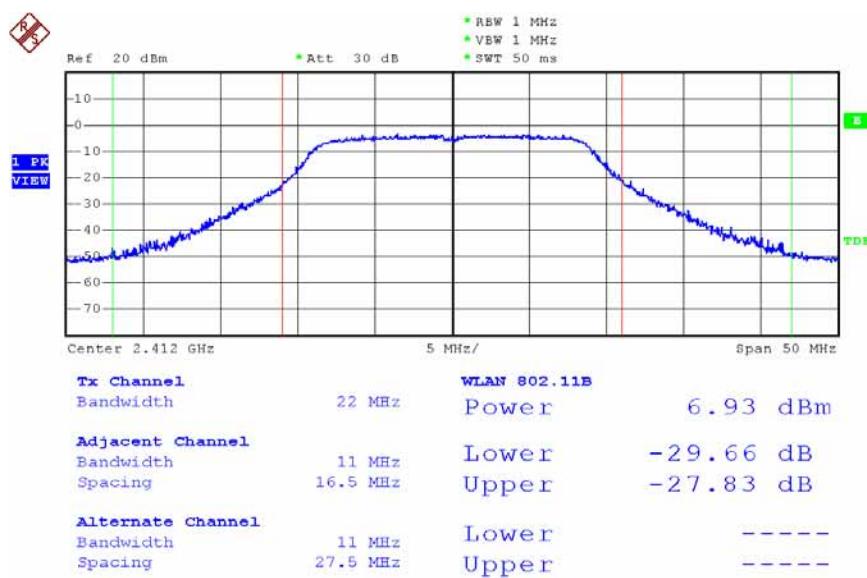
Date: 27.DEC.2007 19:26:31

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX0
 Channel: 11



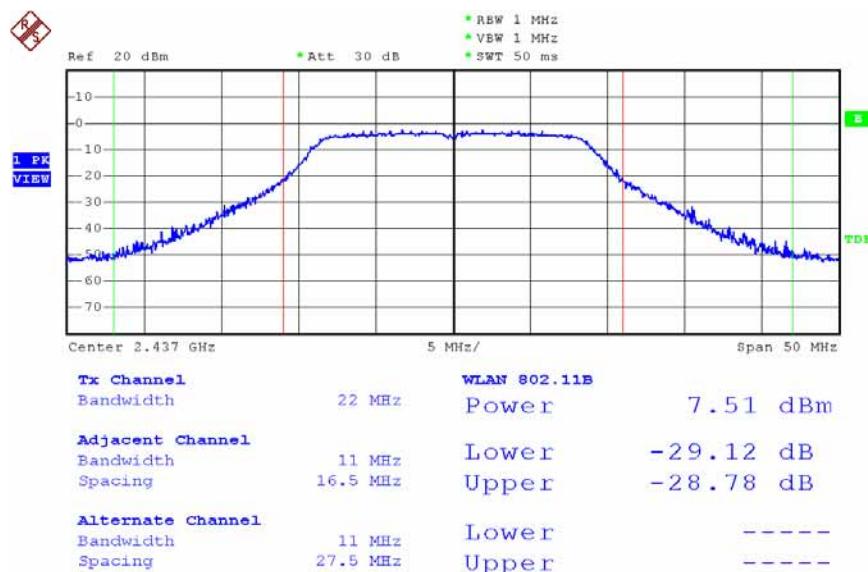
Date: 27.DEC.2007 19:26:10

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX1
 Channel: 01



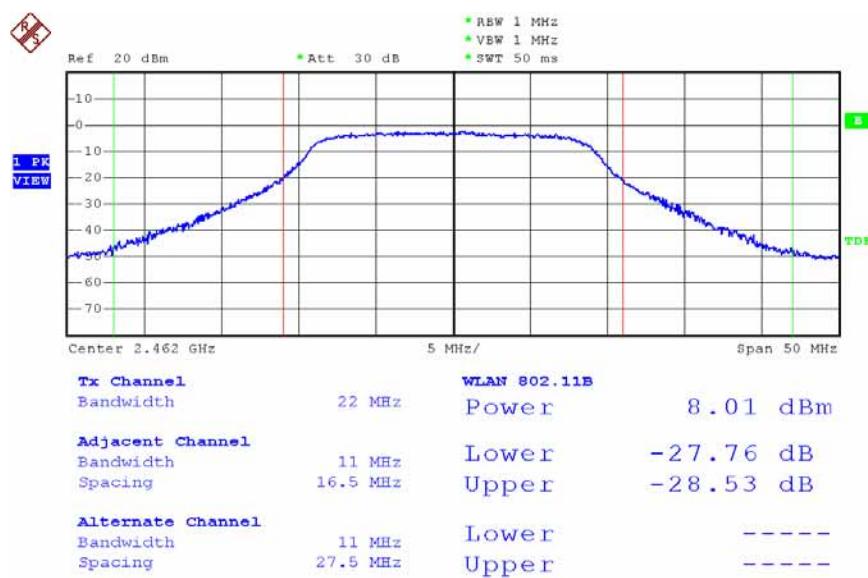
Date: 27.DEC.2007 19:16:47

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX1
 Channel: 06



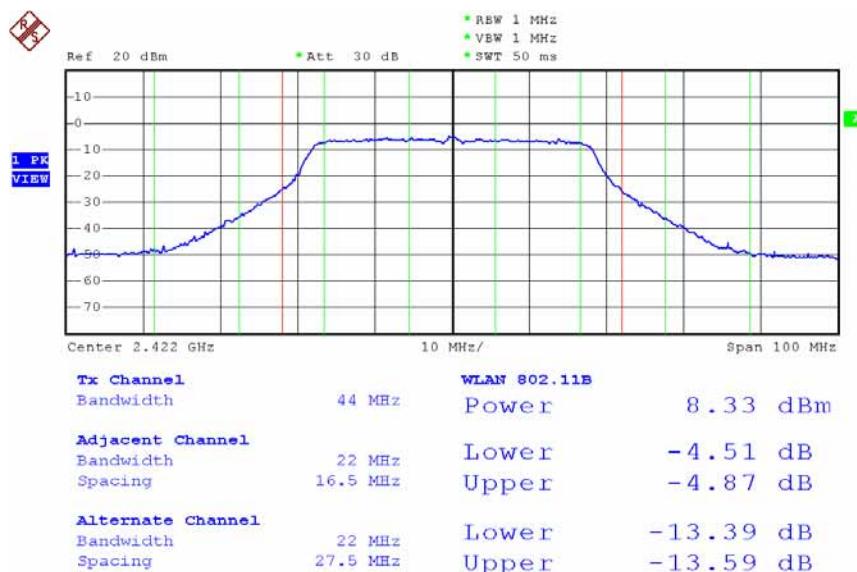
Date: 27.DEC.2007 19:24:00

Modulation Standard: 802.11Draft n, 20MHz (6.5Mbps) – TX1
 Channel: 11



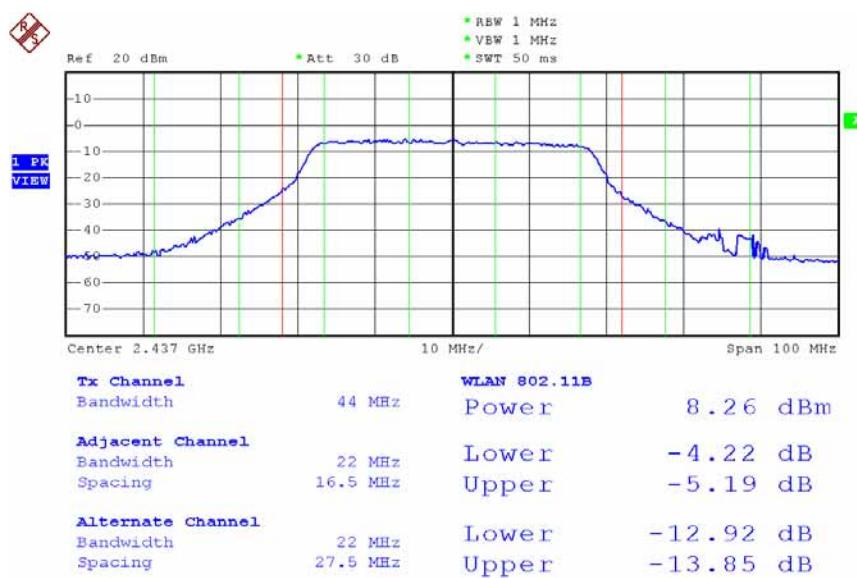
Date: 27.DEC.2007 19:28:36

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX0
 Channel: 03



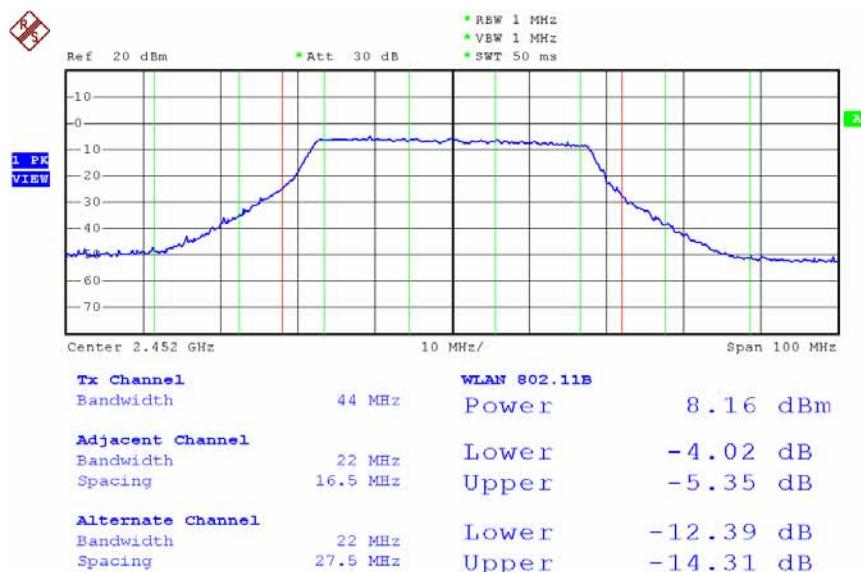
Date: 27.DEC.2007 19:38:48

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX0
 Channel: 06



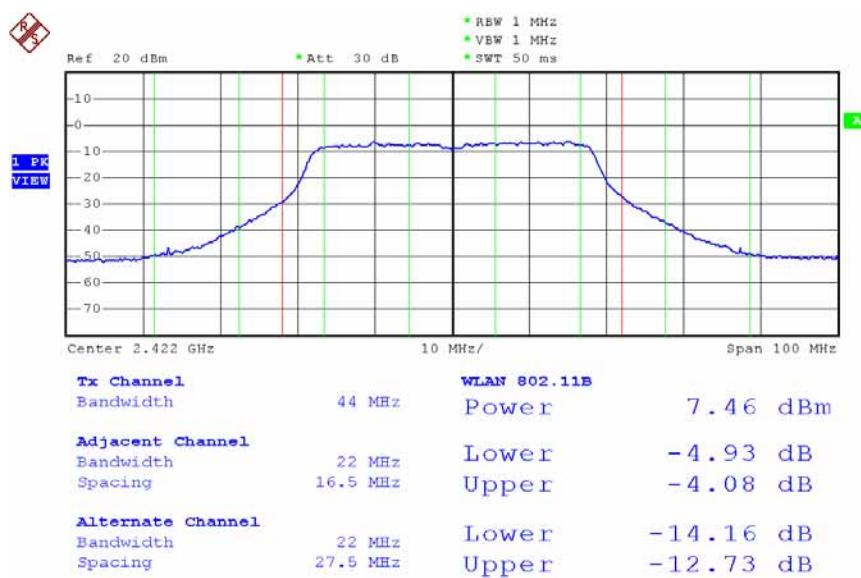
Date: 27.DEC.2007 19:36:50

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX0
 Channel: 09



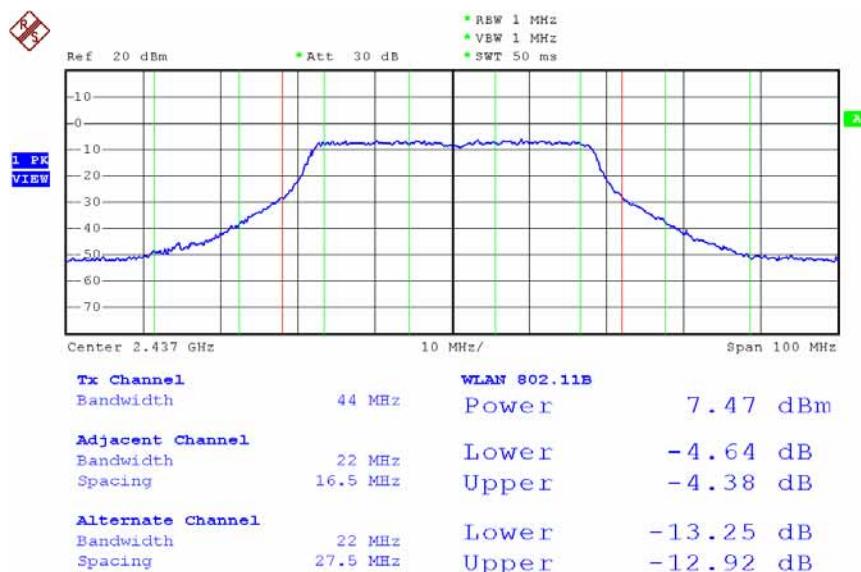
Date: 27.DEC.2007 19:34:45

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX1
 Channel: 03



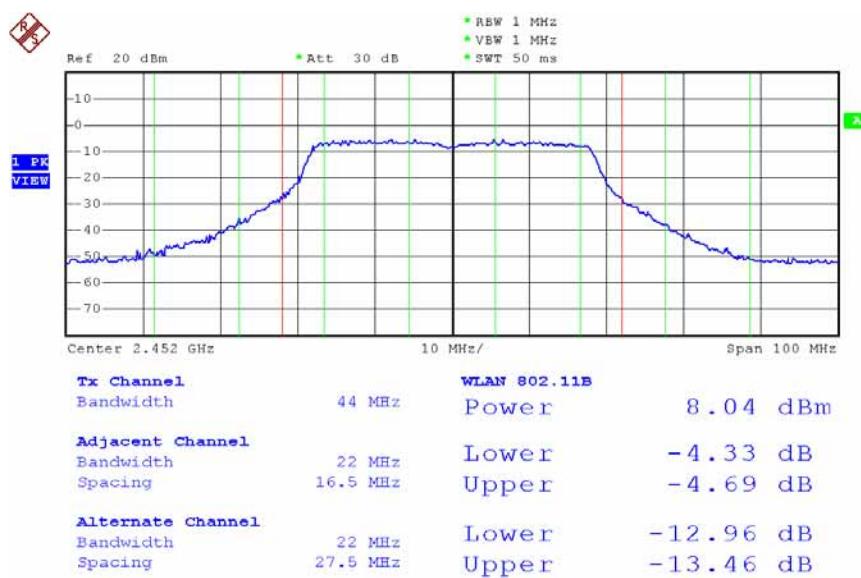
Date: 27.DEC.2007 19:41:07

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX1
 Channel: 06



Date: 27.DEC.2007 19:35:51

Modulation Standard: 802.11Draft n, 40MHz (13.5Mbps) – TX1
 Channel: 09



Date: 27.DEC.2007 19:35:23

8. Band Edges Measurement

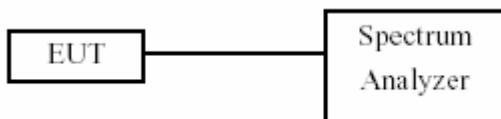
8.1 Test Limit

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

8.2 Test Procedure :

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

8.3 Test Setup Layout



8.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	100047	2007/01/23	2008/01/22

8.5 Test Result and Data

(1) Modulation Standard: IEEE 802.11b (11Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2399.60	-40.99
11	2462	2511.90	-54.03

(2) Modulation Standard: IEEE 802.11g (6Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	maximum value in frequency (MHz)	maximum value is (dBm)
01	2412	2399.40	-37.95
11	2462	2014.00	-53.43

(3) Modulation Standard: IEEE 802.11Draft n, 20MHz (6.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

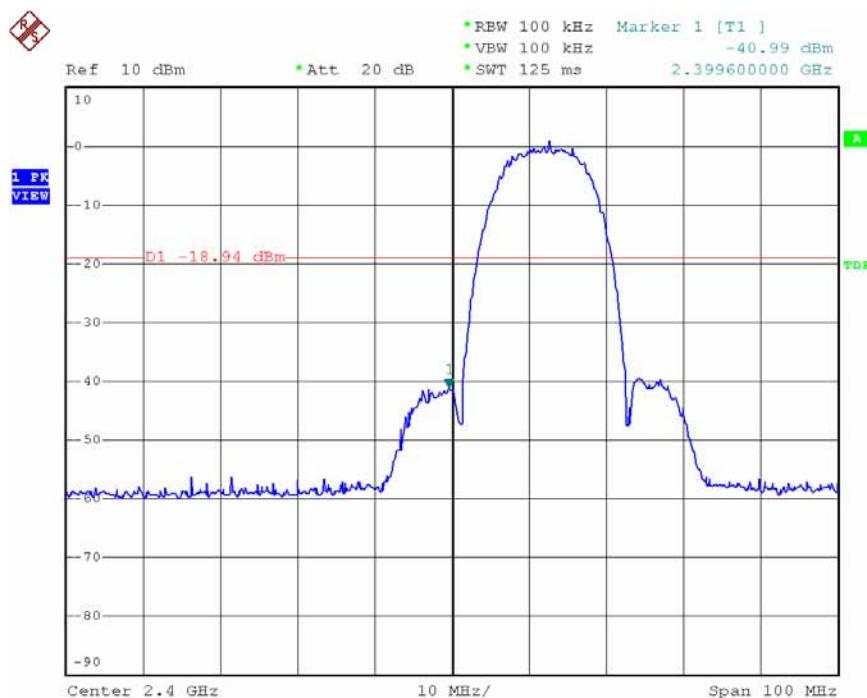
Channel Frequency	maximum value in frequency and measurement value				
	TX0		TX1		
	MHz	dBm	MHz	dBm	
01	2412	2399.80	-37.99	2399.60	-41.04
11	2462	1555.00	-55.73	2499.90	-55.03

(4) Modulation Standard: IEEE 802.11Draft n, 40MHz (13.5Mbps)

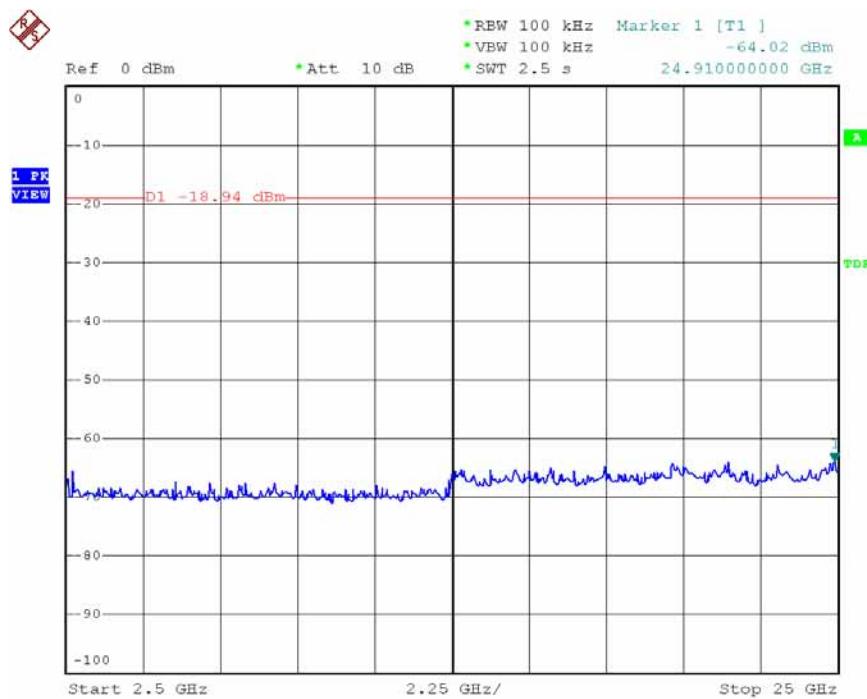
Test Date: Dec. 18, 2007 Temperature: 22 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency	maximum value in frequency and measurement value			
		TX0		TX1	
		MHz	dBm	MHz	dBm
03	2422	2399.80	-40.57	2399.60	-41.06
09	2452	2485.10	-52.42	2483.90	-49.93

Modulation Standard: 802.11b (11Mbps)
Channel: 01



Date: 18.DEC.2007 22:51:19



Date: 18.DEC.2007 22:52:01