

FCC TEST REPORT

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant	: NETGEAR, INC.
Address	: 4500 GREAT AMERICA PARKWAY, SANTA CLARA, CA 95054 U.S.A.
Equipment	: Wireless-N Router
Model No.	: WNR2000
Series No.	: WNR2000EXT
FCC ID	: PY308200083
Trade Name	: NETGEAR

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.

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CERTIFICATE OF COMPLIANCE

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant : NETGEAR, INC.
Address : 4500 GREAT AMERICA PARKWAY, SANTA CLARA,
CA 95054 U.S.A.
Equipment : Wireless-N Router
Model No. : WNR2000
Series No. : WNR2000EXT
FCC ID : PY308200083

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 (2007)**.

The test was carried out on May. 07, 2008 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

- **Network Protocol and Standards Compatibility**

Data and Routing Protocols: TCP/IP, RIP-1, RIP-2, DHCP, PPPoE, PPTP, Bigpond, Dynamic DNS, and UPnP

- **Power Adapter**

North America	120V, 60 Hz, input
UK, Australia	240V, 50 Hz, input
Europe	230V, 50 Hz, input
Japan	100V, 50/60 Hz, input
All regions (output)	12V DC @ 1.0A, output

- **Physical**

Dimensions	8.9" x 6.8" x 1.5" 225.5 x 172 x 39 mm
Weight	1.2 lbs. 0.56 kg

- **Environmental**

Operating temperature	0° to 40° C (32° to 104° F)
Operating humidity	90% maximum relative humidity, noncondensing

- **Interface Specifications**

LAN	10BASE-T or 100BASE-Tx, RJ-45
WAN	10BASE-T or 100BASE-Tx, RJ-45

2.2 RF Specifications

Spreading 802.11b: DSSS, CCK, QPSK, BPSK 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Frequency Range 2.4 ~ 2.4835 GHz
Number of Channels USA, Canada and Taiwan: 1 ~ 11 Most European Countries: 1 ~ 13
Data Rate 802.11b: 11, 5.5, 2, 1Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n, HT20: 144 ~ 6.5 Mbps 802.11n, HT40: 300 ~ 13.5 Mbps
Modulation 802.11b: DSSS, CCK, QPSK, BPSK 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna 1, 2, 3 Antenna Type: Printed Antenna Antenna 1 Gain: 3.6dBi / Antenna 2 Gain: 3.8dBi / Antenna 3 Gain: 3.1dBi
Transmit Power FCC: 802.11b: 23 dBm / 802.11g: 23 dBm / 802.11n: 22 dBm ETSI: (EIRP) 802.11b: 19.8 dBm / 802.11g: 19.8 dBm / 802.11n: 19.8 dBm

2.3 Carrier Frequency of Channels

802.11b, 802.11g, 802.11n, HT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

802.11n, HT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
03	2422	09	2452
04	2427	---	---
05	2432	---	---
06	2437	---	---

2.4 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included remote workstation, IBM PC, Monitor, PS2 Keyboard, USB 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 internal Hard Disk, and the Hard Disk reads and writes the message.
 5. The PC sends "H" messages to the modem.
 6. The PC sends "H" messages to the printer.
 7. Repeat the steps from 2 to 6.
- d. The following test mode and test software was performed for conduction and radiation test:
 - 802.11b/g:
CH01: 2412MHz, CH06: 2437MHz, CH11: 2462MHz
 - 802.11n, HT20:
CH01: 2412MHz, CH06: 2437MHz, CH11: 2462MHz
 - 802.11n, HT40:
CH03: 2422MHz, CH06: 2437MHz, CH09: 2452MHz
- e. The following test mode included two kind of power adapter and four kinds of modulation types:
 - Test Mode 1: 802.11b/g, Adapter model is DSA-12G-12 AUS 120120.
 - Test Mode 2: 802.11n, HT20, Adapter model is DSA-12G-12 AUS 120120.
 - Test Mode 3: 802.11n, HT40, Adapter model is DSA-12G-12 AUS 120120.
 - Test Mode 4: 802.11b/g, Adapter model is MT12-Y120100-A1.
 - Test Mode 5: 802.11n, HT20, Adapter model is MT12-Y120100-A1.
 - Test Mode 6: 802.11n, HT40, Adapter model is MT12-Y120100-A1.

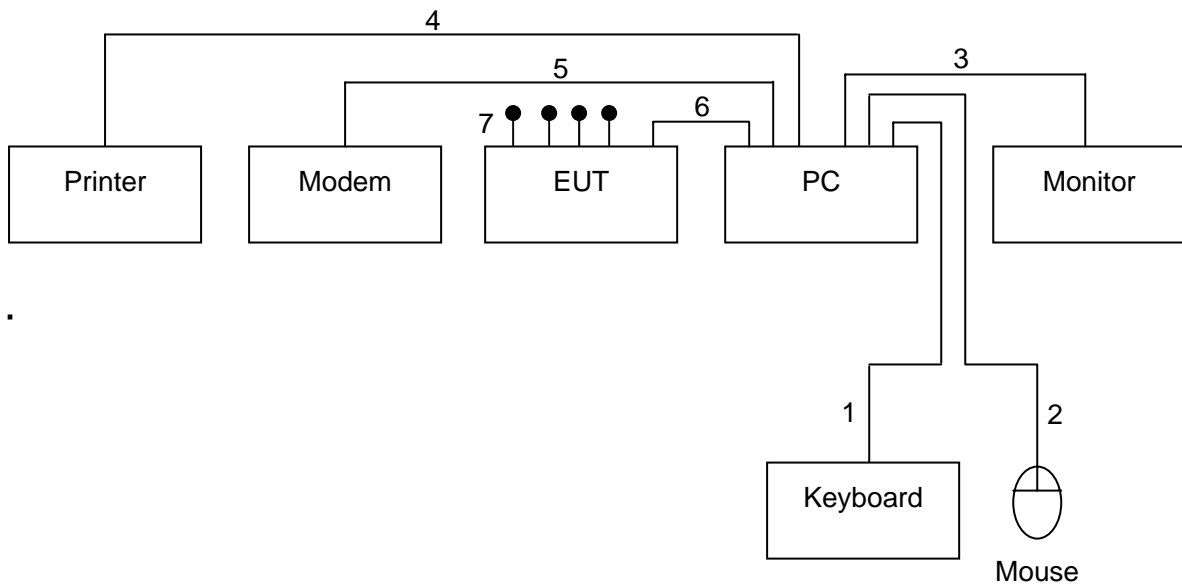
2.5 Description of Test System

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

Use Cable:

Cable	Quality	Description
RJ45	1	Unshielding, 1.5m
RJ45	4	Unshielding, 0.5m

2.6 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.
6. The RJ45 cable is connected from PC to the EUT.
7. Those RJ45 cables are floating.

2.7 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:	AC 120V
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart C
Frequency Range Investigated:	Conducted: from 150kHz to 30MHz Radiation: from 30MHz to 24620MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

2.8 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

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

ANT1:

Antenna type: Printed Antenna

Antenna Gain: 3.6 dBi

ANT2:

Antenna type: Printed Antenna

Antenna Gain: 3.8 dBi

ANT3:

Antenna type: Printed Antenna

Antenna Gain: 3.1 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.

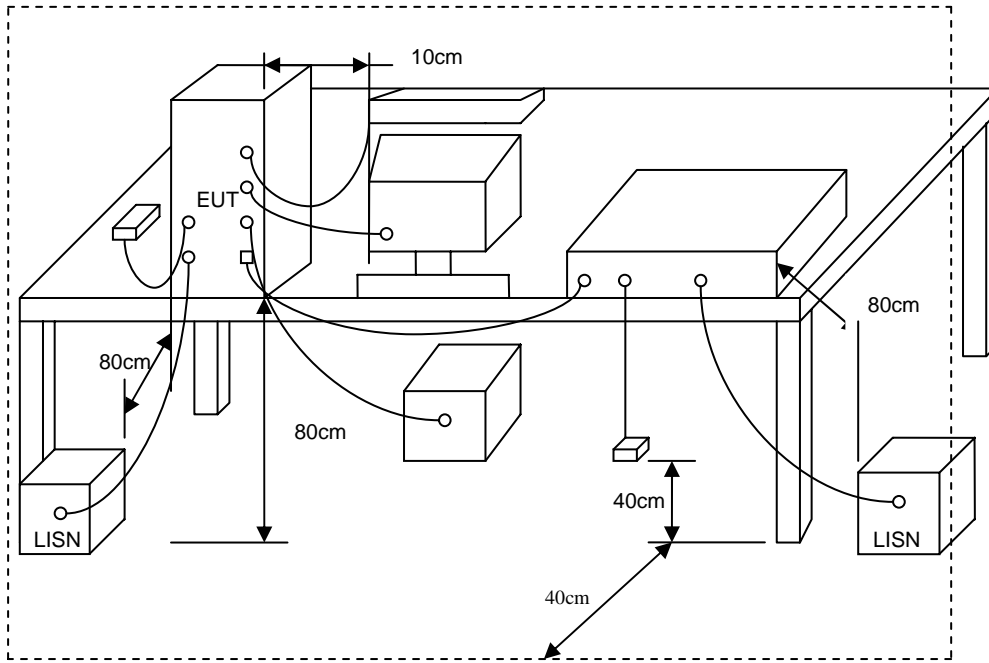
Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*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

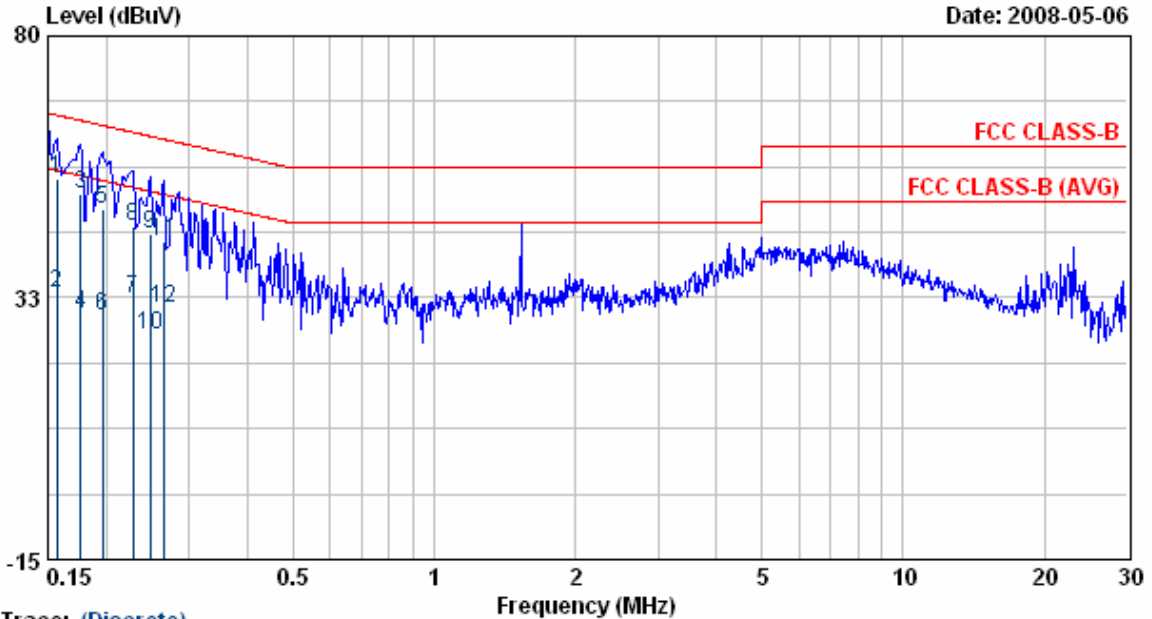


4.4 Measurement equipment

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	200/04/19	2009/04/18

4.5 Test Result and Data

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 1	: 802.11g CH1	Temperature	: 24 °C
Memo	: DSA-12G-12 AUS 120120	Humidity	: 55 %

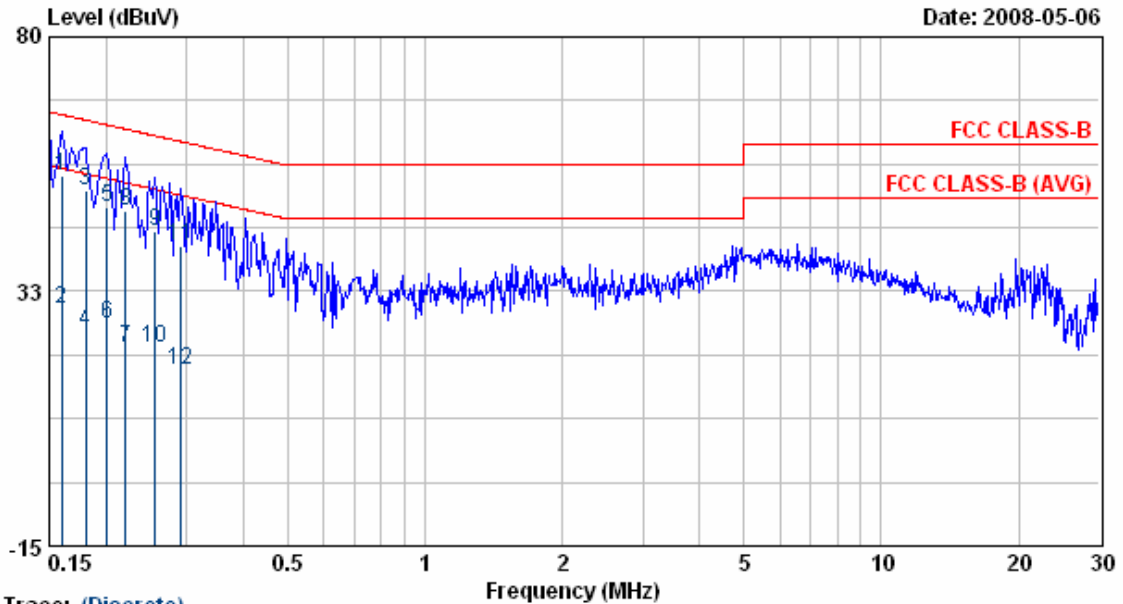


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	53.98	0.10	54.08	65.65	-11.57	QP
2	0.16	33.41	0.10	33.51	55.65	-22.13	AVERAGE
3	0.18	51.25	0.10	51.35	64.68	-13.33	QP
4	0.18	29.56	0.10	29.66	54.68	-25.02	AVERAGE
5	0.20	48.41	0.10	48.51	63.76	-15.24	QP
6	0.20	29.10	0.10	29.20	53.76	-24.55	AVERAGE
7	0.23	32.21	0.11	32.32	52.52	-20.20	AVERAGE
8	0.23	45.41	0.11	45.52	62.52	-17.00	QP
9	0.25	43.91	0.11	44.02	61.82	-17.80	QP
10	0.25	25.76	0.11	25.87	51.82	-25.95	AVERAGE
11	0.26	42.57	0.11	42.69	61.29	-18.61	QP
12	0.26	30.49	0.11	30.61	51.29	-20.68	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	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 1	: 802.11g CH1	Temperature	: 24 °C
Memo	: DSA-12G-12 AUS 120120	Humidity	: 55 %

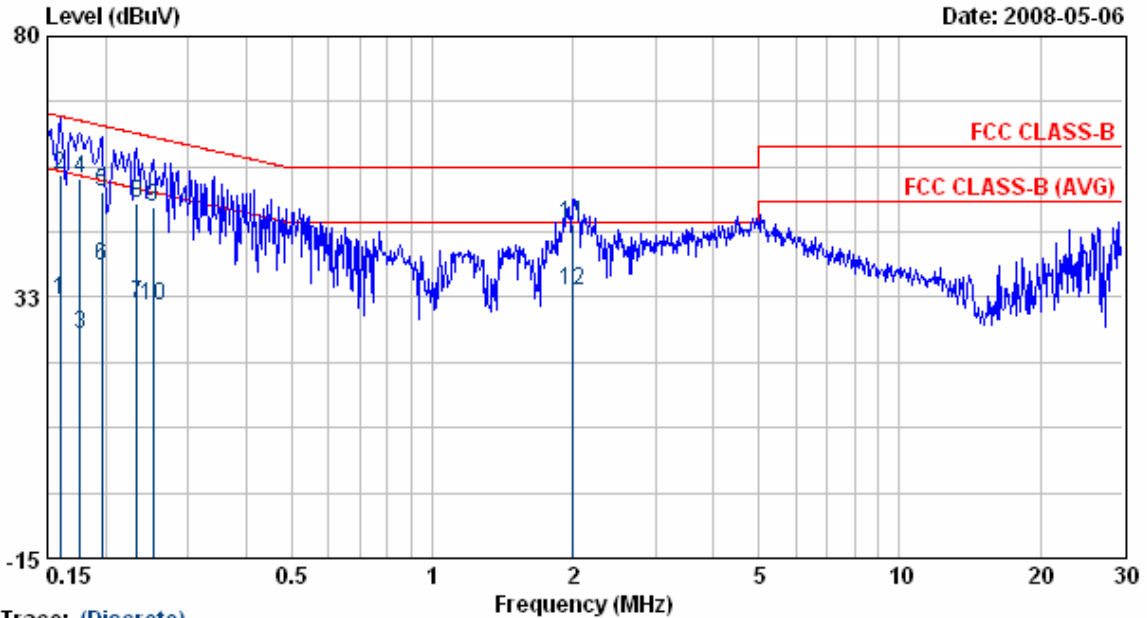


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	54.10	0.09	54.19	65.47	-11.29	QP
2	0.16	29.21	0.09	29.30	55.47	-26.17	AVERAGE
3	0.18	51.32	0.09	51.41	64.46	-13.05	QP
4	0.18	25.09	0.09	25.18	54.46	-29.28	AVERAGE
5	0.20	48.26	0.09	48.35	63.58	-15.23	QP
6	0.20	26.31	0.09	26.40	53.58	-27.18	AVERAGE
7	0.22	21.78	0.09	21.87	52.79	-30.92	AVERAGE
8	0.22	47.47	0.09	47.56	62.79	-15.23	QP
9	0.26	43.46	0.09	43.56	61.56	-18.00	QP
10	0.26	21.99	0.09	22.08	51.56	-29.47	AVERAGE
11	0.29	40.70	0.10	40.80	60.46	-19.66	QP
12	0.29	17.74	0.10	17.84	50.46	-32.62	AVERAGE

- Remarks:
1. Level = Read Level + Factor
 2. Factor = LISN(ISN) Factor + Cable Loss
 3. All emission below 1GHz at 802.11g 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	: AC 120V	Pol/Phase	: LINE
Test Mode 2	: 802.11n, HT20 CH1	Temperature	: 24 °C
Memo	: DSA-12G-12 AUS 120120	Humidity	: 55 %



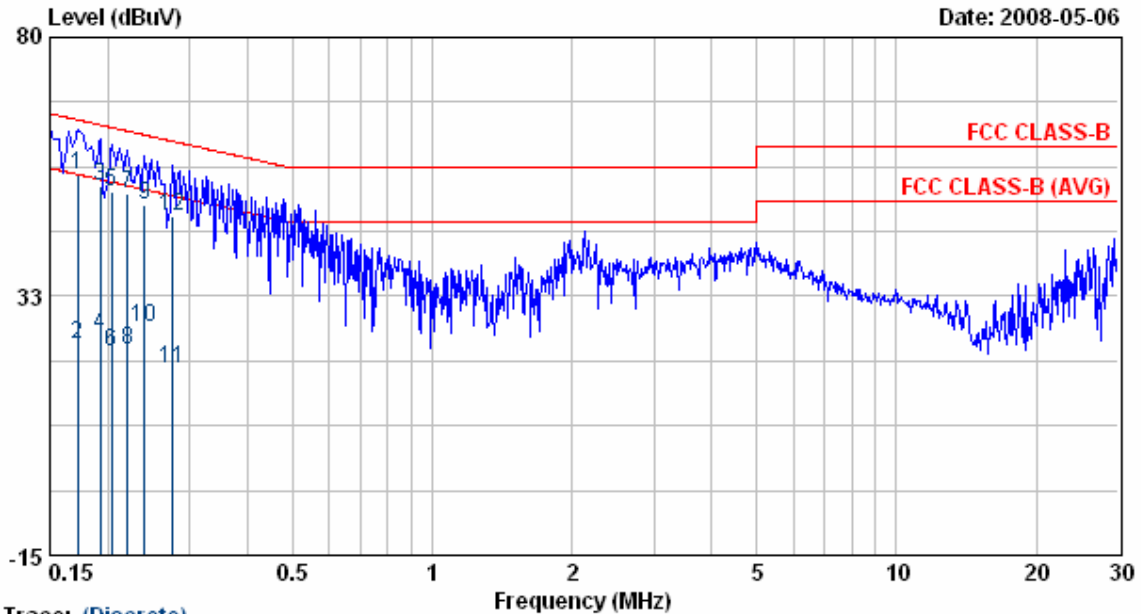
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	31.81	0.10	31.91	55.47	-23.56	AVERAGE
2	0.16	54.66	0.10	54.76	65.47	-10.72	QP
3	0.18	25.50	0.10	25.60	54.68	-29.08	AVERAGE
4	0.18	54.15	0.10	54.25	64.68	-10.43	QP
5	0.20	51.45	0.10	51.56	63.76	-12.20	QP
6	0.20	38.17	0.10	38.28	53.76	-15.48	AVERAGE
7	0.23	31.07	0.11	31.18	52.35	-21.17	AVERAGE
8	0.23	49.36	0.11	49.47	62.35	-12.88	QP
9	0.25	48.82	0.11	48.93	61.69	-12.75	QP
10	0.25	30.99	0.11	31.10	51.69	-20.59	AVERAGE
11	2.00	45.71	0.20	45.91	56.00	-10.09	QP
12	2.00	33.50	0.20	33.70	46.00	-12.30	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	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 2	: 802.11n, HT20 CH1	Temperature	: 24 °C
Memo	: DSA-12G-12 AUS 120120	Humidity	: 55 %



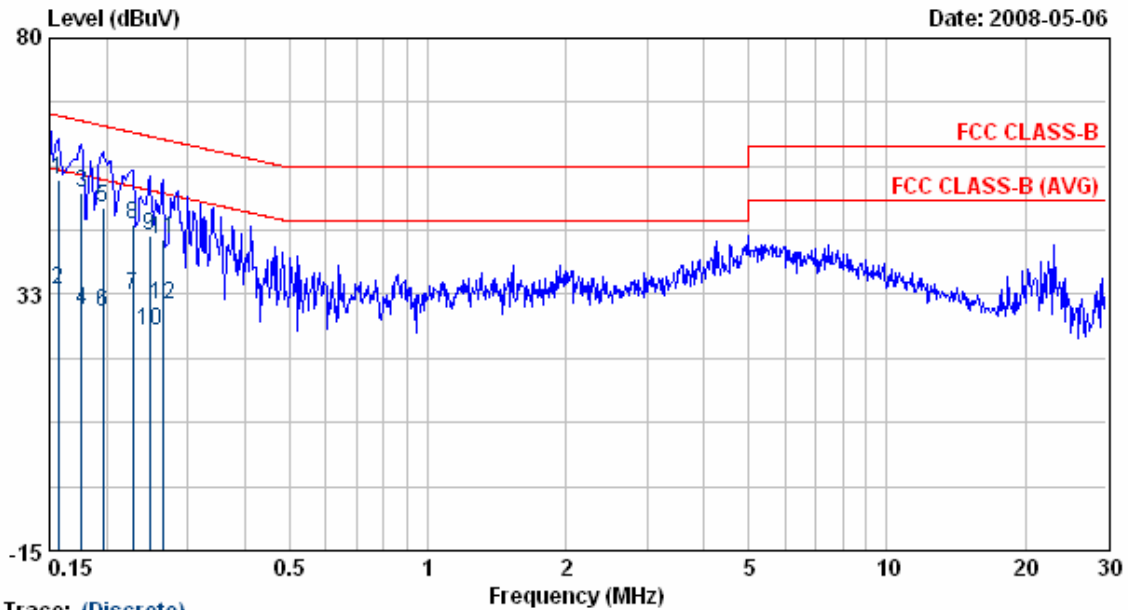
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.17	54.65	0.09	54.74	64.86	-10.12	QP
2	0.17	23.47	0.09	23.56	54.86	-31.30	AVERAGE
3	0.19	52.46	0.09	52.55	63.93	-11.39	QP
4	0.19	25.37	0.09	25.46	53.93	-28.47	AVERAGE
5	0.20	51.61	0.09	51.70	63.45	-11.75	QP
6	0.20	22.16	0.09	22.25	53.45	-31.19	AVERAGE
7	0.22	51.08	0.09	51.17	62.79	-11.62	QP
8	0.22	22.72	0.09	22.81	52.79	-29.98	AVERAGE
9	0.24	49.08	0.09	49.18	62.08	-12.91	QP
10	0.24	26.81	0.09	26.91	52.08	-25.18	AVERAGE
11	0.28	18.96	0.09	19.06	50.94	-31.88	AVERAGE
12	0.28	47.15	0.09	47.24	60.94	-13.70	QP

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	: AC 120V	Pol/Phase	: LINE
Test Mode 3	: 802.11n, HT40 CH3	Temperature	: 24 °C
Memo	: DSA-12G-12 AUS 120120	Humidity	: 55 %



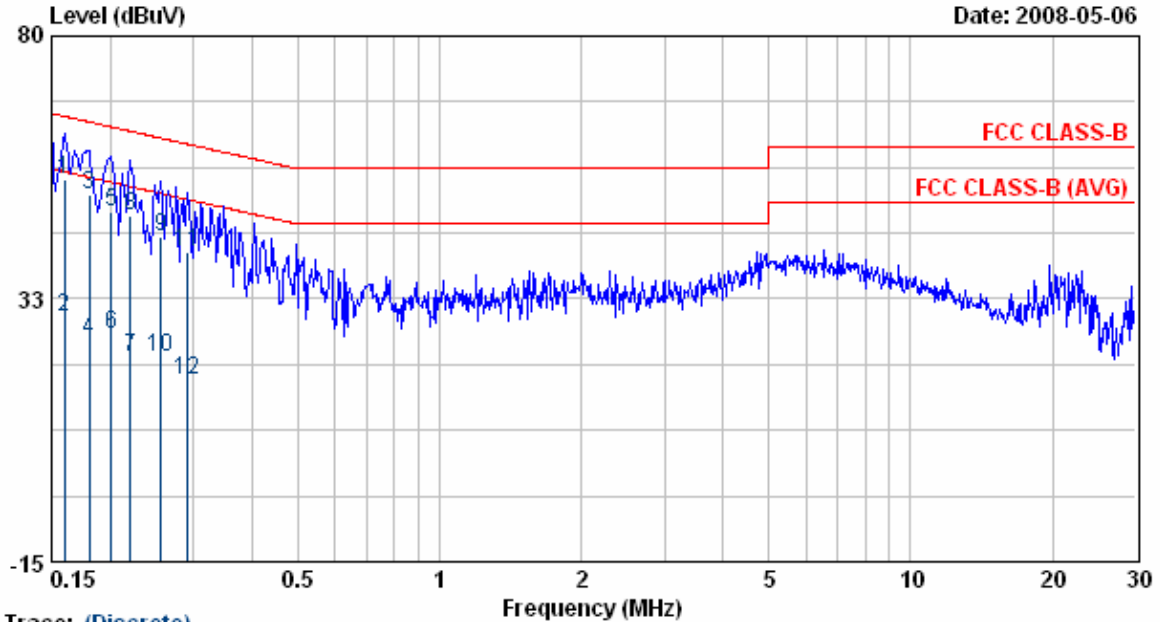
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	53.78	0.10	53.88	65.65	-11.77	QP
2	0.16	33.42	0.10	33.52	55.65	-22.12	AVERAGE
3	0.18	51.26	0.10	51.37	64.68	-13.31	QP
4	0.18	29.61	0.10	29.71	54.68	-24.97	AVERAGE
5	0.20	48.50	0.10	48.60	63.76	-15.16	QP
6	0.20	29.07	0.10	29.17	53.76	-24.58	AVERAGE
7	0.23	32.12	0.11	32.23	52.52	-20.30	AVERAGE
8	0.23	45.44	0.11	45.55	62.52	-16.98	QP
9	0.25	43.11	0.11	43.23	61.82	-18.59	QP
10	0.25	25.76	0.11	25.87	51.82	-25.95	AVERAGE
11	0.26	42.53	0.11	42.65	61.29	-18.65	QP
12	0.26	30.49	0.11	30.61	51.29	-20.68	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	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 3	: 802.11n, HT40 CH3	Temperature	: 24 °C
Memo	: DSA-12G-12 AUS 120120	Humidity	: 55 %



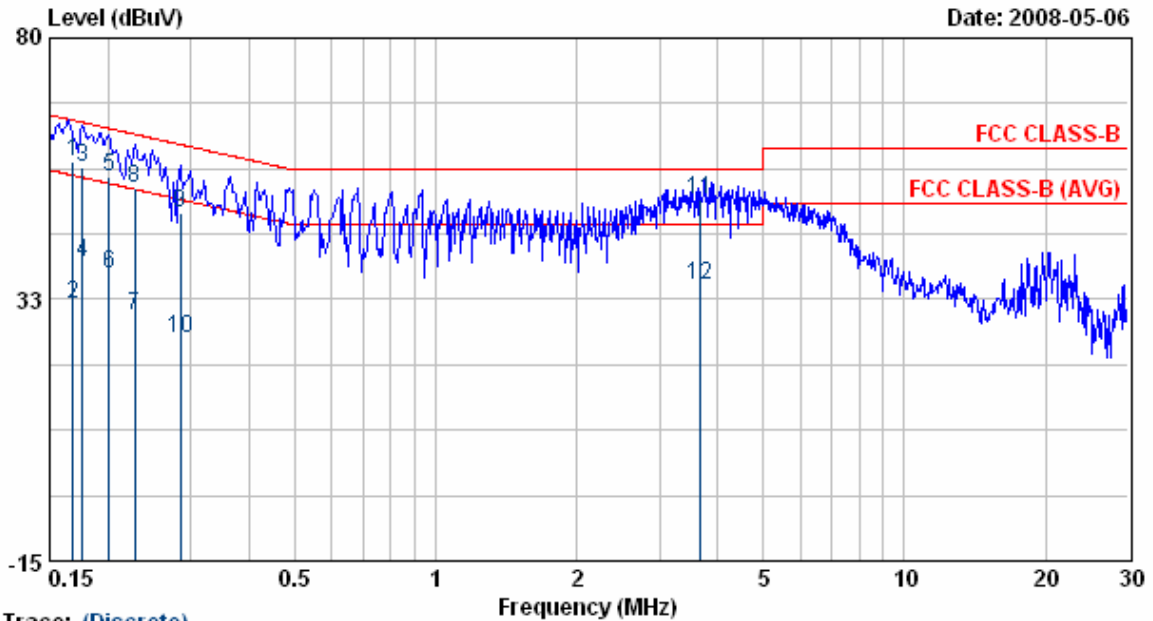
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	54.06	0.09	54.15	65.47	-11.32	QP
2	0.16	29.29	0.09	29.38	55.47	-26.10	AVERAGE
3	0.18	51.19	0.09	51.28	64.46	-13.18	QP
4	0.18	25.05	0.09	25.14	54.46	-29.32	AVERAGE
5	0.20	48.29	0.09	48.38	63.58	-15.20	QP
6	0.20	26.12	0.09	26.21	53.58	-27.37	AVERAGE
7	0.22	21.78	0.09	21.87	52.79	-30.92	AVERAGE
8	0.22	47.50	0.09	47.59	62.79	-15.20	QP
9	0.26	43.46	0.09	43.56	61.56	-18.00	QP
10	0.26	21.87	0.09	21.96	51.56	-29.59	AVERAGE
11	0.29	40.70	0.10	40.80	60.46	-19.66	QP
12	0.29	17.74	0.10	17.84	50.46	-32.62	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	: AC 120V	Pol/Phase	: LINE
Test Mode 4	: 802.11g CH1	Temperature	: 24 °C
Memo	: MT12-Y120100-A1	Humidity	: 55 %

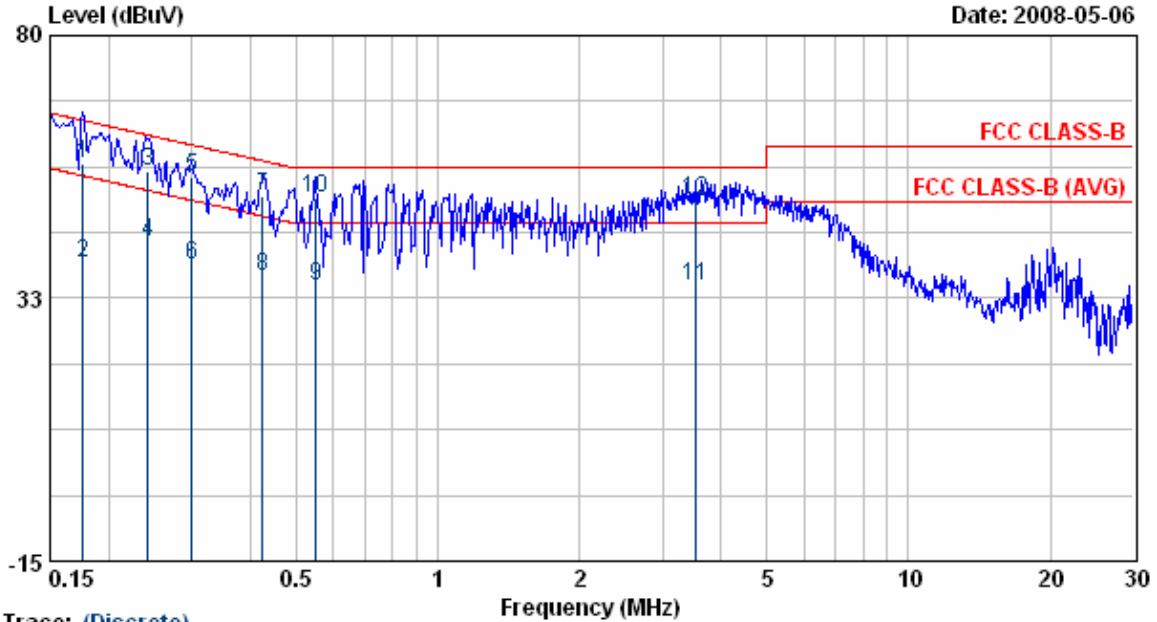


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.17	57.38	0.10	57.49	65.03	-7.55	QP
2	0.17	31.42	0.10	31.52	55.03	-23.51	AVERAGE
3	0.18	56.45	0.10	56.55	64.68	-8.13	QP
4	0.18	39.00	0.10	39.10	54.68	-15.58	AVERAGE
5	0.20	54.74	0.10	54.84	63.58	-8.74	QP
6	0.20	37.15	0.10	37.26	53.58	-16.32	AVERAGE
7	0.23	29.29	0.11	29.39	52.52	-23.13	AVERAGE
8	0.23	52.48	0.11	52.59	62.52	-9.94	QP
9	0.28	48.22	0.11	48.34	60.68	-12.34	QP
10	0.28	25.46	0.11	25.58	50.68	-25.10	AVERAGE
11	3.66	50.39	0.23	50.62	56.00	-5.38	QP
12	3.66	34.94	0.23	35.16	46.00	-10.84	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	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 4	: 802.11g CH1	Temperature	: 24 °C
Memo	: MT12-Y120100-A1	Humidity	: 55 %

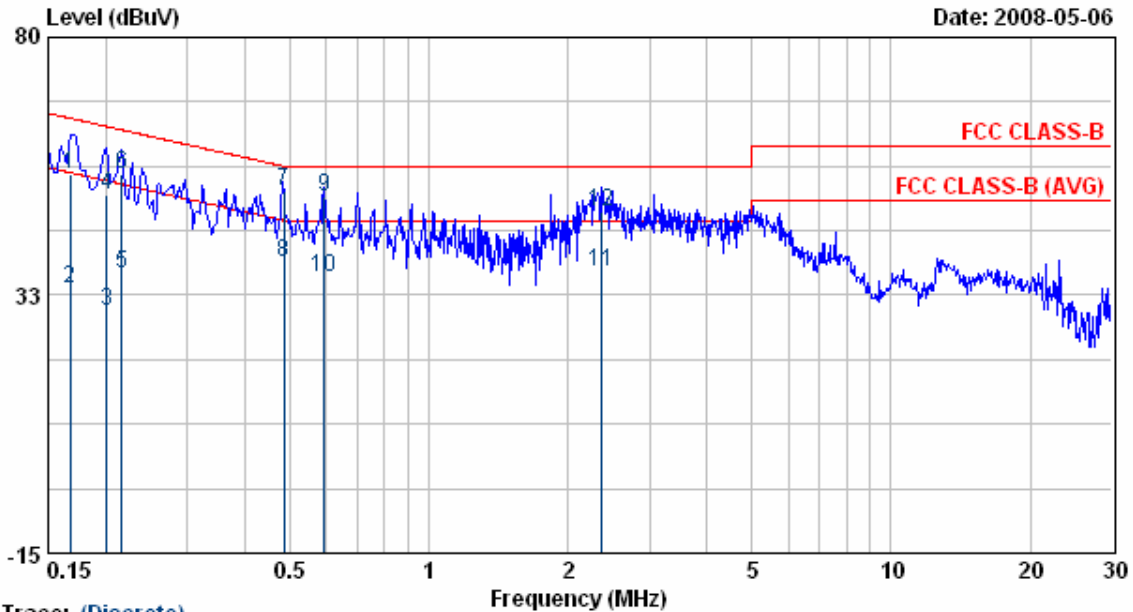


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.18	56.79	0.09	56.88	64.68	-7.80	QP
2	0.18	38.64	0.09	38.73	54.68	-15.95	AVERAGE
3	0.24	55.25	0.09	55.35	62.01	-6.66	QP
4	0.24	42.44	0.09	42.54	52.01	-9.47	AVERAGE
5	0.30	54.34	0.10	54.44	60.24	-5.80	QP
6	0.30	38.46	0.10	38.55	50.24	-11.68	AVERAGE
7	0.42	50.84	0.10	50.94	57.37	-6.43	QP
8	0.42	36.37	0.10	36.47	47.37	-10.90	AVERAGE
9	0.55	34.67	0.11	34.79	46.00	-11.21	AVERAGE
10	0.55	50.68	0.11	50.79	56.00	-5.21	QP
11	3.54	34.41	0.24	34.64	46.00	-11.36	AVERAGE
12	3.54	49.96	0.24	50.20	56.00	-5.80	QP

- Remarks:
1. Level = Read Level + Factor
 2. Factor = LISN(ISN) Factor + Cable Loss
 3. All emission below 1GHz at 802.11g 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	: AC 120V	Pol/Phase	: LINE
Test Mode 5	: 802.11n, HT20 CH1	Temperature	: 24 °C
Memo	: MT12-Y120100-A1	Humidity	: 55 %



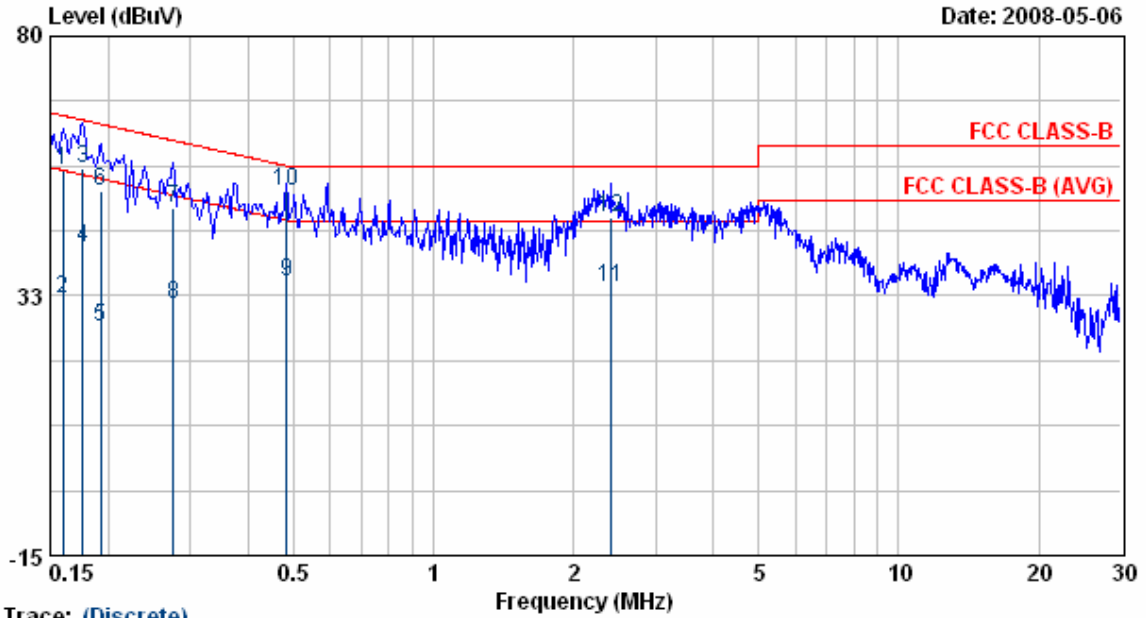
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.17	54.61	0.10	54.71	65.09	-10.37	QP
2	0.17	33.71	0.10	33.81	55.09	-21.28	AVERAGE
3	0.20	29.41	0.10	29.51	53.58	-24.07	AVERAGE
4	0.20	50.93	0.10	51.03	63.58	-12.55	QP
5	0.22	36.37	0.11	36.48	52.96	-16.49	AVERAGE
6	0.22	54.79	0.11	54.90	62.96	-8.06	QP
7	0.48	51.68	0.12	51.80	56.26	-4.46	QP
8	0.48	38.38	0.12	38.49	46.26	-7.77	AVERAGE
9	0.59	50.62	0.12	50.74	56.00	-5.26	QP
10	0.59	35.65	0.12	35.77	46.00	-10.23	AVERAGE
11	2.37	36.51	0.21	36.71	46.00	-9.29	AVERAGE
12	2.37	47.57	0.21	47.77	56.00	-8.23	QP

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	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 5	: 802.11n, HT20 CH1	Temperature	: 24 °C
Memo	: MT12-Y120100-A1	Humidity	: 55 %



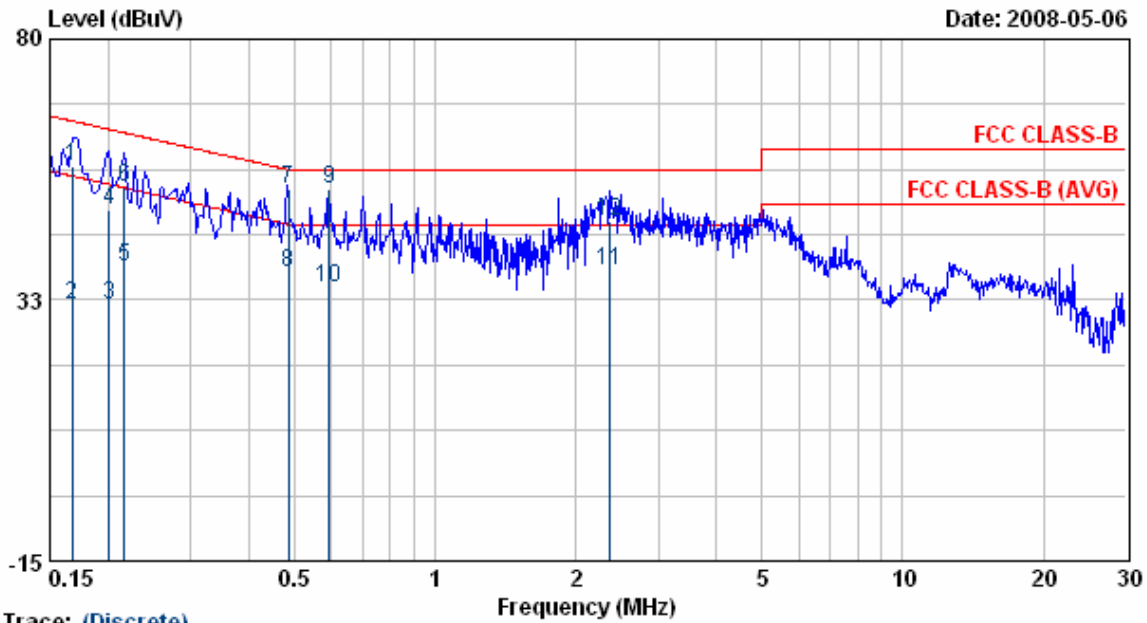
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	55.26	0.09	55.35	65.47	-10.12	QP
2	0.16	31.95	0.09	32.04	55.47	-23.43	AVERAGE
3	0.18	55.58	0.09	55.67	64.68	-9.01	QP
4	0.18	41.08	0.09	41.17	54.68	-13.51	AVERAGE
5	0.19	26.62	0.09	26.71	53.93	-27.22	AVERAGE
6	0.19	51.66	0.09	51.75	63.93	-12.18	QP
7	0.28	48.39	0.09	48.48	60.94	-12.46	QP
8	0.28	30.76	0.09	30.85	50.94	-20.09	AVERAGE
9	0.48	34.85	0.11	34.96	46.27	-11.31	AVERAGE
10	0.48	51.59	0.11	51.70	56.27	-4.58	QP
11	2.42	33.74	0.21	33.95	46.00	-12.05	AVERAGE
12	2.42	46.67	0.21	46.88	56.00	-9.12	QP

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	: AC 120V	Pol/Phase	: LINE
Test Mode 6	: 802.11n, HT40 CH3	Temperature	: 24 °C
Memo	: MT12-Y120100-A1	Humidity	: 55 %



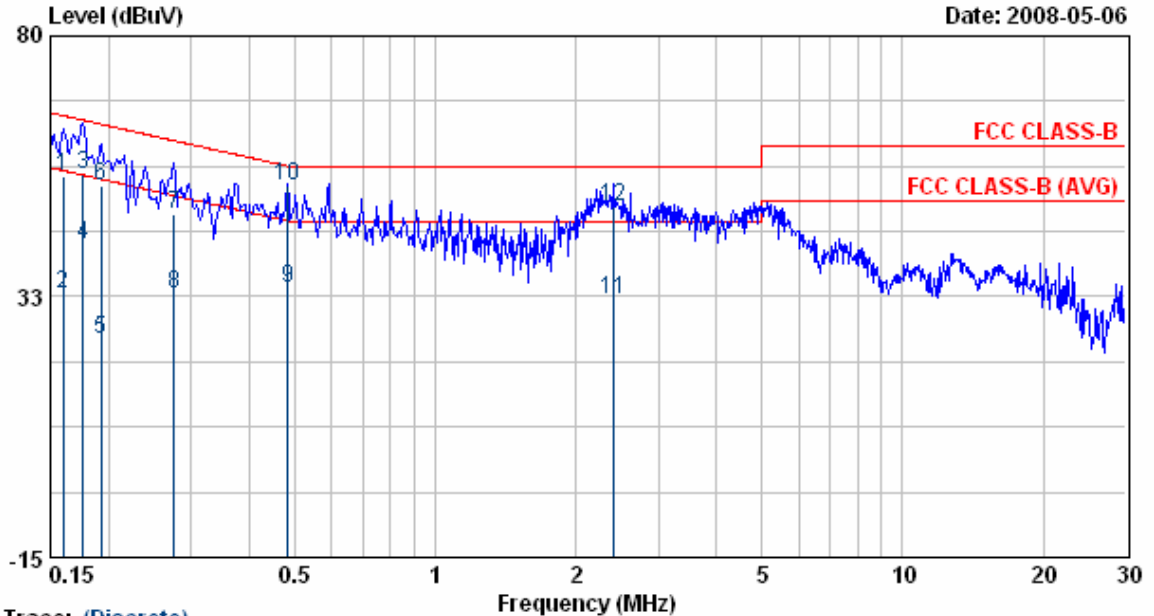
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.17	56.61	0.10	56.71	65.09	-8.37	QP
2	0.17	31.71	0.10	31.81	55.09	-23.28	AVERAGE
3	0.20	31.41	0.10	31.51	53.58	-22.07	AVERAGE
4	0.20	48.93	0.10	49.03	63.58	-14.55	QP
5	0.22	38.37	0.11	38.48	52.96	-14.49	AVERAGE
6	0.22	52.79	0.11	52.90	62.96	-10.06	QP
7	0.48	52.68	0.12	52.80	56.26	-3.46	QP
8	0.48	37.38	0.12	37.49	46.26	-8.77	AVERAGE
9	0.59	52.62	0.12	52.74	56.00	-3.26	QP
10	0.59	34.65	0.12	34.77	46.00	-11.23	AVERAGE
11	2.37	37.51	0.21	37.71	46.00	-8.29	AVERAGE
12	2.37	46.57	0.21	46.77	56.00	-9.23	QP

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	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 6	: 802.11n, HT40 CH3	Temperature	: 24 °C
Memo	: MT12-Y120100-A1	Humidity	: 55 %



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	54.26	0.09	54.35	65.47	-11.12	QP
2	0.16	32.95	0.09	33.04	55.47	-22.43	AVERAGE
3	0.18	54.58	0.09	54.67	64.68	-10.01	QP
4	0.18	42.08	0.09	42.17	54.68	-12.51	AVERAGE
5	0.19	24.62	0.09	24.71	53.93	-29.22	AVERAGE
6	0.19	52.66	0.09	52.75	63.93	-11.18	QP
7	0.28	47.39	0.09	47.48	60.94	-13.46	QP
8	0.28	32.76	0.09	32.85	50.94	-18.09	AVERAGE
9	0.48	33.85	0.11	33.96	46.27	-12.31	AVERAGE
10	0.48	52.59	0.11	52.70	56.27	-3.58	QP
11	2.42	31.74	0.21	31.95	46.00	-14.05	AVERAGE
12	2.42	48.67	0.21	48.88	56.00	-7.12	QP

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

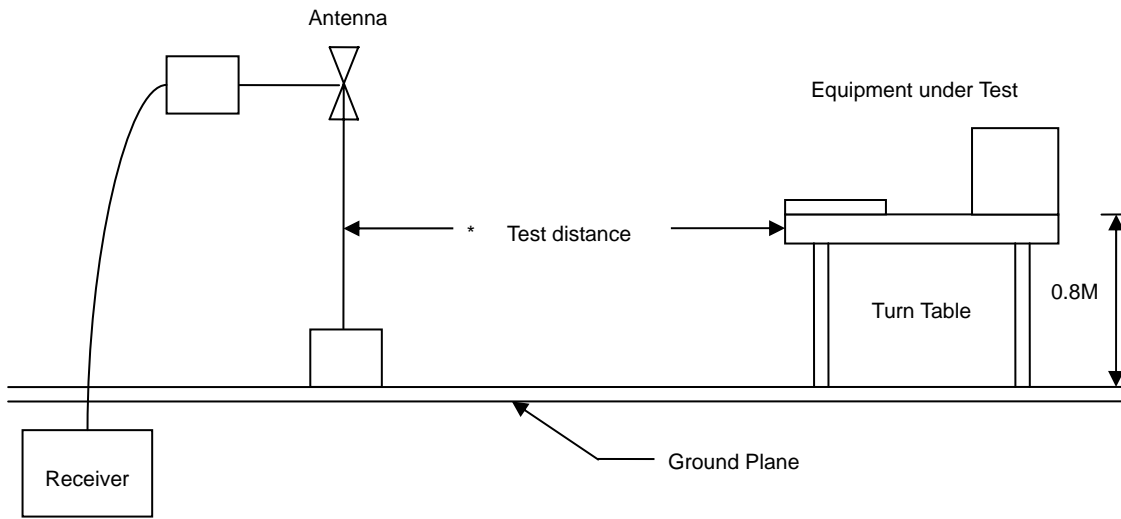
For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

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

5.2 Test Procedures

- 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.

5.3 Typical Test Setup

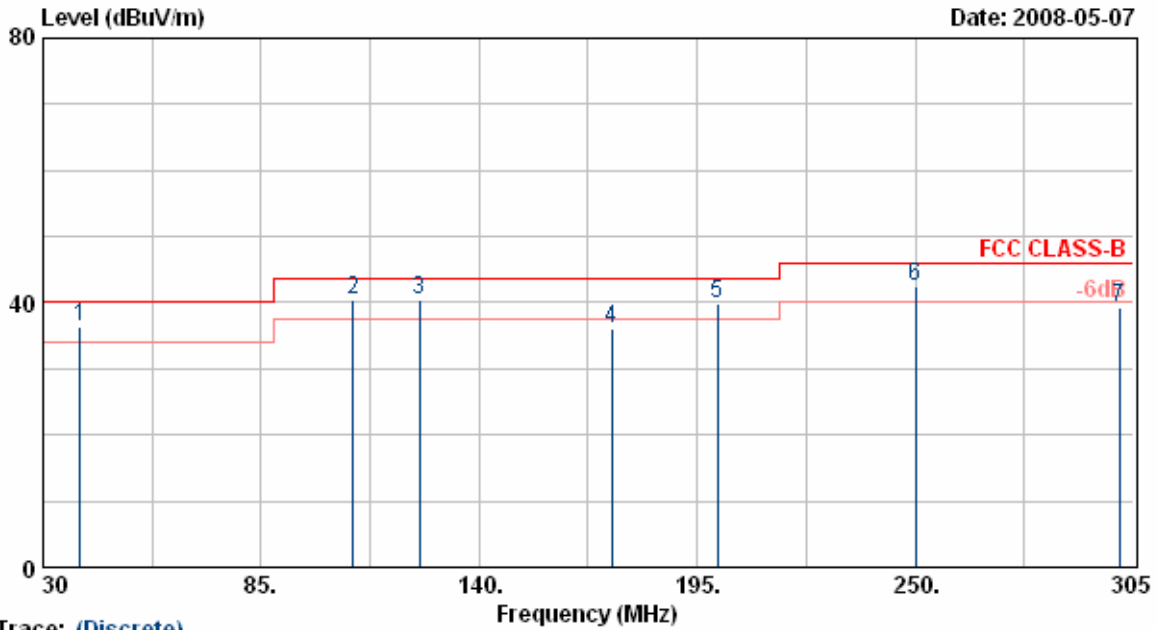


5.4 Measurement equipment

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	2008/02/22	2009/02/21
Horn Antenna	3115	EMCO	31589	2008/03/28	2009/03/27
Horn Antenna	3116	EMCO	31970	2008/04/08	2009/04/07
Bilog Antenna	CBL6112B	Schaffner	2840	2008/04/26	2009/04/25
Amplifier	8449B	Agilent	3008A01954	2008/01/24	2009/01/23
Amplifier	8447D	Agilent	2944A10531	2007/09/26	2008/09/25

5.5 Test Result and Data

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



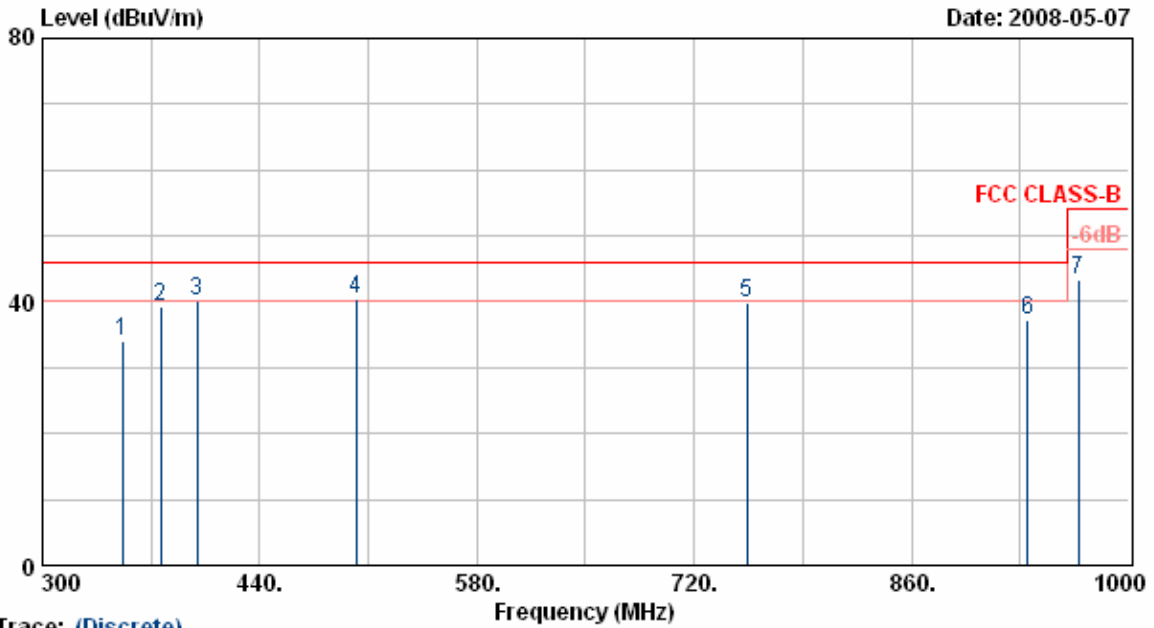
Trace: (Discrete)

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	39.35	47.69	-11.42	36.27	40.00	-3.73	QP	100	97
2	108.28	53.92	-13.54	40.38	43.50	-3.12	QP	100	155
3	125.04	53.79	-13.30	40.49	43.50	-3.01	QP	100	174
4	173.55	46.72	-10.51	36.21	43.50	-7.29	Peak	100	45
5	200.02	51.62	-11.75	39.87	43.50	-3.63	QP	100	52
6	250.00	55.47	-13.04	42.43	46.00	-3.57	QP	100	182
7	301.43	48.41	-9.09	39.32	46.00	-6.68	Peak	100	222

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



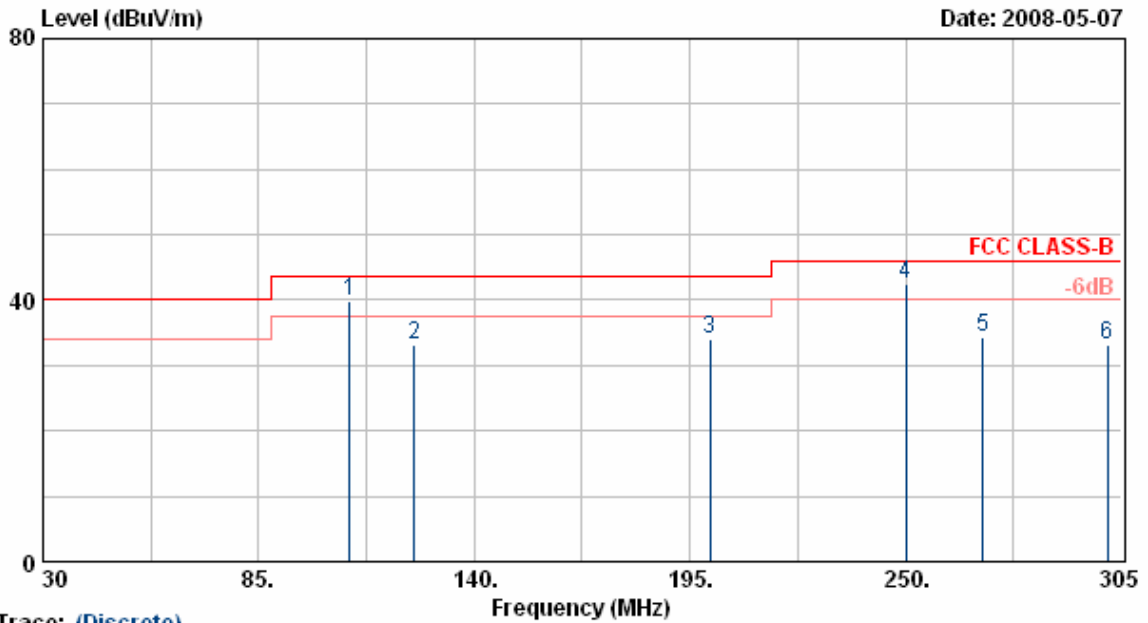
Trace: (Discrete)

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	351.80	44.66	-10.65	34.01	46.00	-11.99	Peak	100	142
2	376.30	48.55	-9.17	39.38	46.00	-6.62	Peak	100	111
3	399.40	48.72	-8.62	40.10	46.00	-5.90	QP	100	183
4	502.30	45.52	-4.95	40.57	46.00	-5.43	QP	100	183
5	754.30	39.96	-0.06	39.90	46.00	-6.10	Peak	100	221
6	934.90	38.41	-1.06	37.35	46.00	-8.65	Peak	100	119
7	967.80	40.00	3.25	43.25	54.00	-10.75	Peak	100	119

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



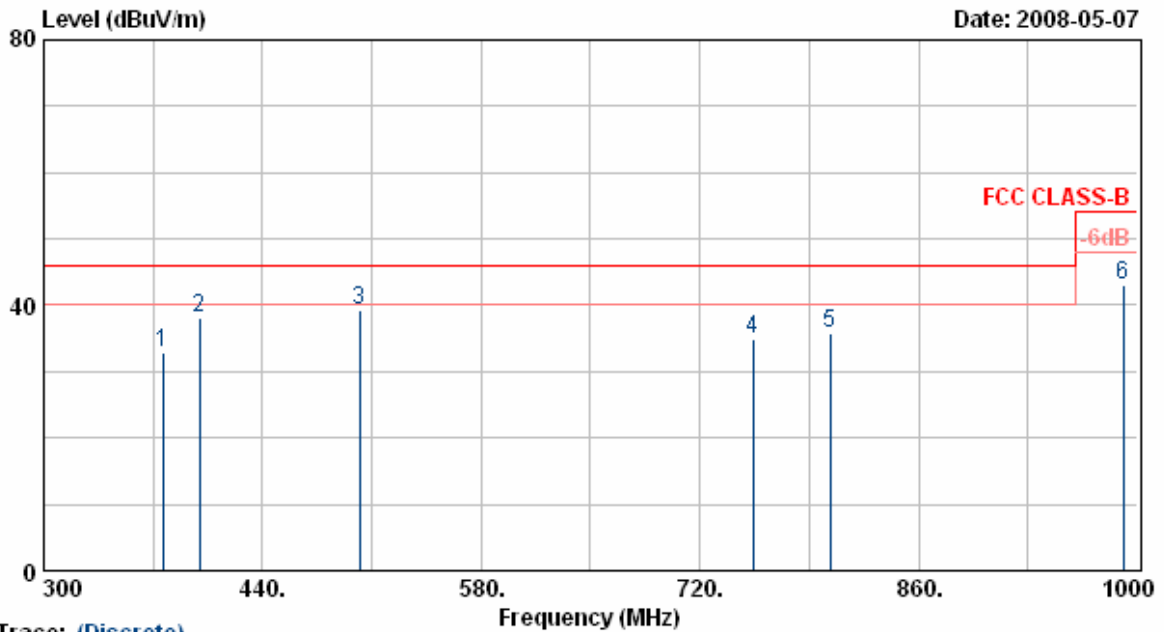
Trace: (Discrete)

Item	Freq MHz	Read Value dBuV/m	Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	108.22	59.11	-19.20	39.91	43.50	-3.59	QP	200	74
2	124.60	52.62	-19.46	33.16	43.50	-10.34	Peak	200	274
3	200.23	48.52	-14.58	33.94	43.50	-9.56	Peak	200	52
4	250.16	60.15	-17.63	42.52	46.00	-3.48	QP	200	52
5	269.80	49.72	-15.37	34.35	46.00	-11.65	Peak	200	0
6	301.50	47.36	-14.32	33.04	46.00	-12.96	Peak	200	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 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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



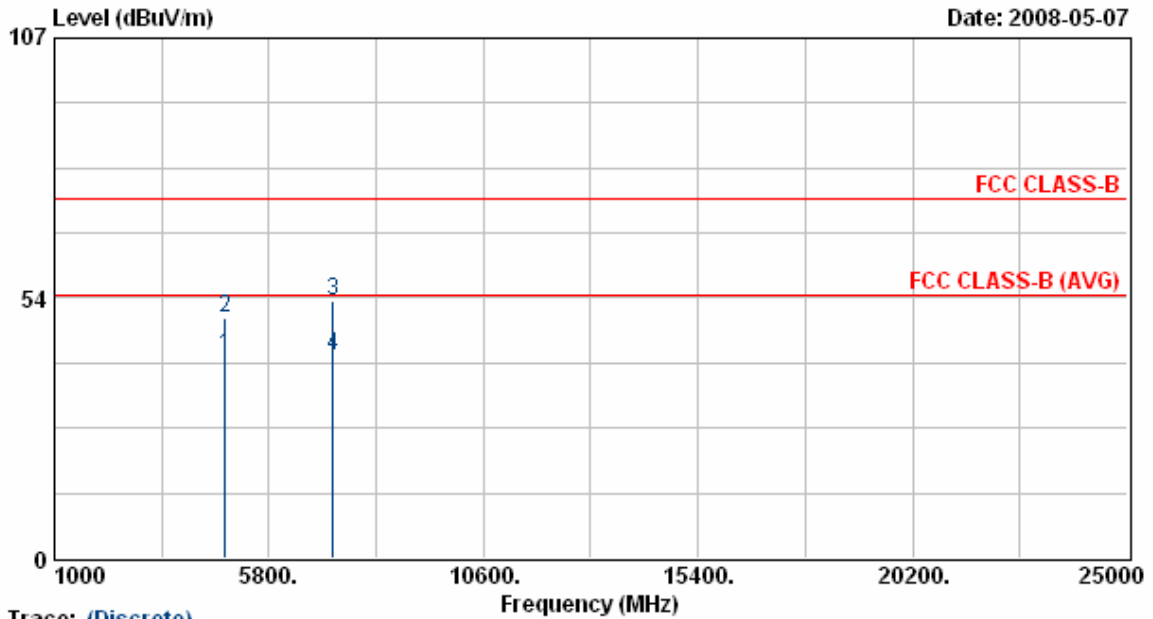
Trace: (Discrete)

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	376.30	43.71	-10.87	32.84	46.00	-13.16	Peak	200	88
2	399.40	49.21	-11.05	38.16	46.00	-7.84	Peak	200	88
3	502.30	44.21	-5.03	39.18	46.00	-6.82	Peak	200	88
4	754.30	35.15	-0.20	34.95	46.00	-11.05	Peak	200	177
5	803.30	36.14	-0.29	35.85	46.00	-10.15	Peak	200	222
6	990.90	36.52	6.48	43.00	54.00	-11.00	Peak	200	241

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 11Mbps



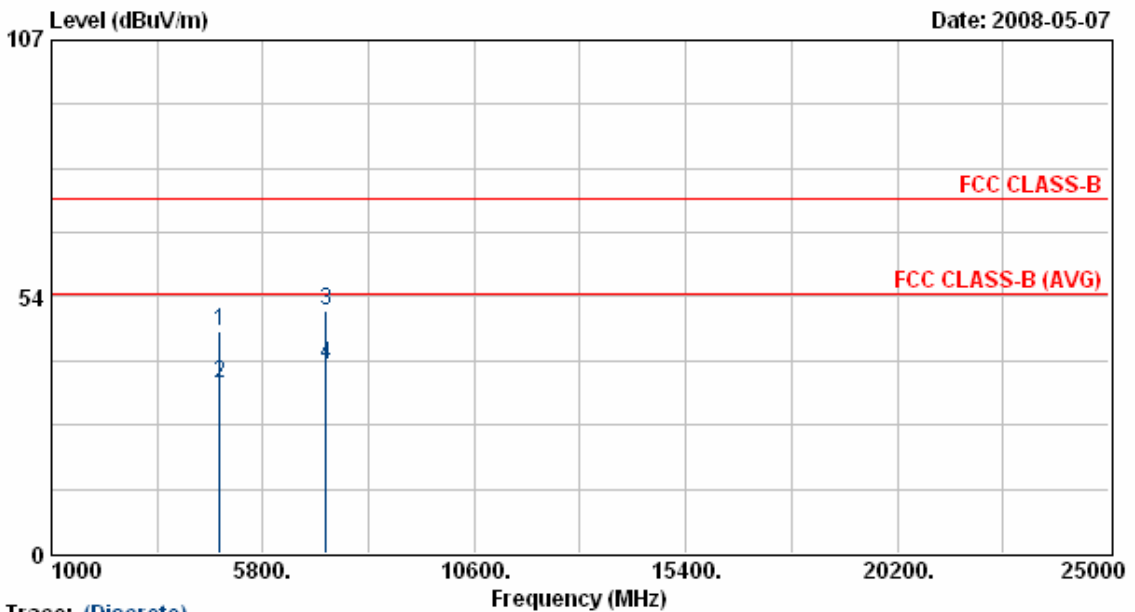
Trace: (Discrete)

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	4824.00	36.00	5.67	41.68	54.00	-12.32	Average	133	213
2	4824.00	43.88	5.67	49.56	74.00	-24.44	Peak	133	213
3	7235.38	43.93	9.14	53.07	74.00	-20.93	Peak	133	213
4	7235.38	32.40	9.14	41.54	54.00	-12.46	Average	133	213

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 11Mbps



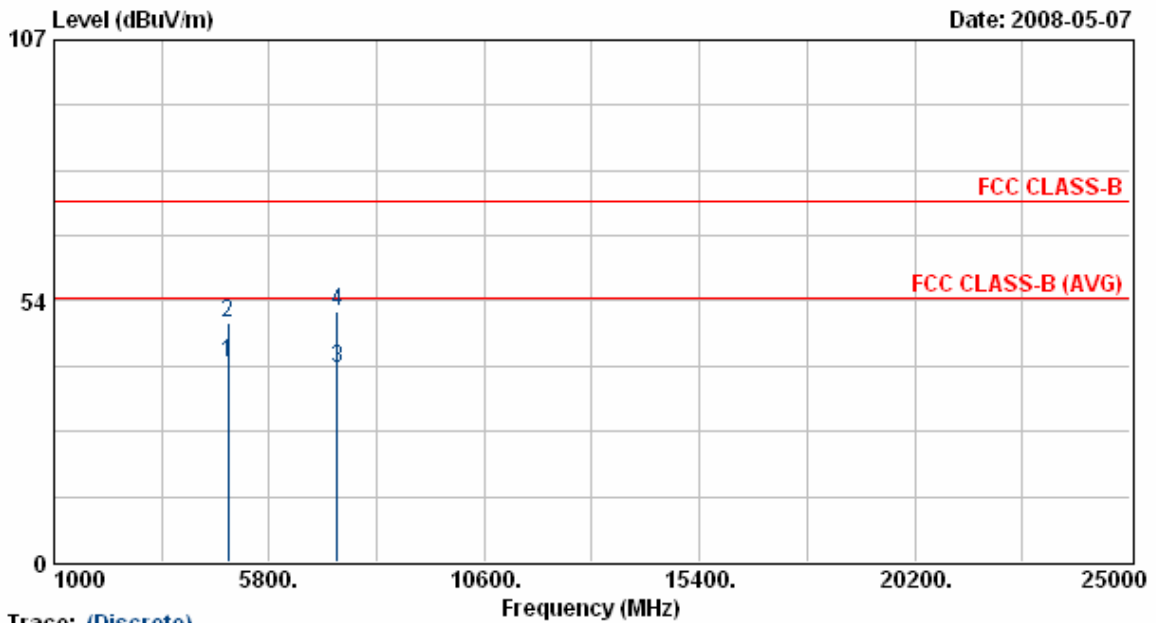
Trace: (Discrete)

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	4824.00	40.70	5.67	46.37	74.00	-27.63	Peak	100	85
2	4824.00	29.65	5.67	35.32	54.00	-18.68	Average	100	85
3	7236.13	41.41	9.14	50.55	74.00	-23.45	Peak	100	85
4	7236.13	30.21	9.14	39.36	54.00	-14.64	Average	100	85

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 6	Humidity	: 55 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 11Mbps



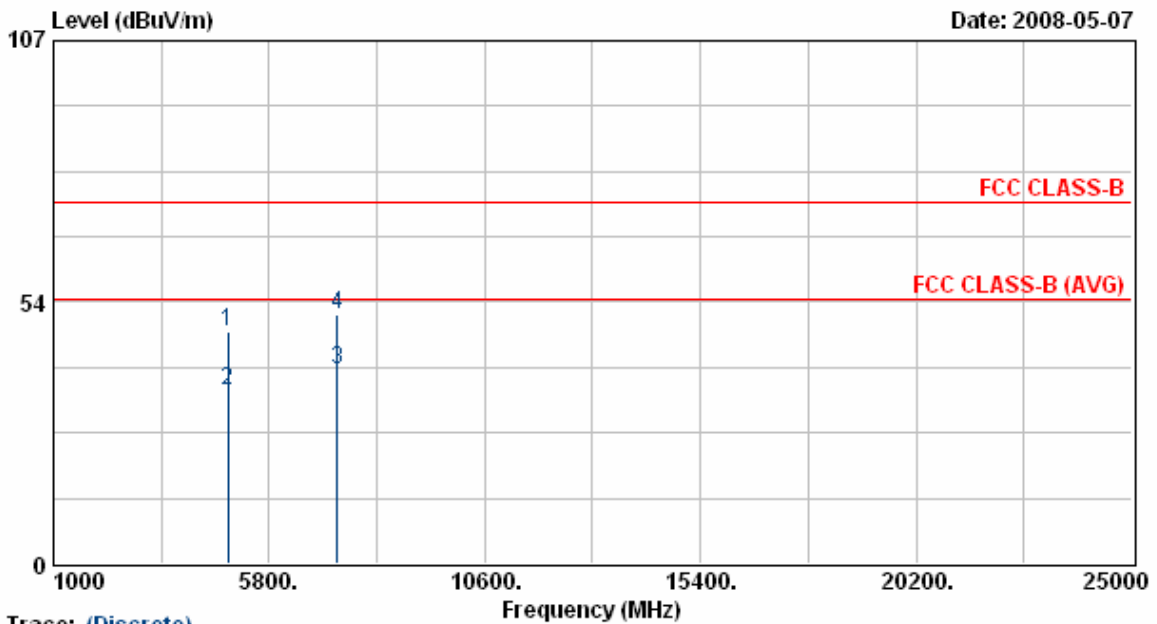
Trace: (Discrete)

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	4873.88	34.97	5.80	40.77	54.00	-13.23	Average	133	213
2	4873.88	43.26	5.80	49.06	74.00	-24.94	Peak	133	213
3	7310.75	30.39	9.47	39.86	54.00	-14.14	Average	133	213
4	7310.75	41.98	9.47	51.45	74.00	-22.55	Peak	133	213

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 6	Humidity	: 55 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 11Mbps



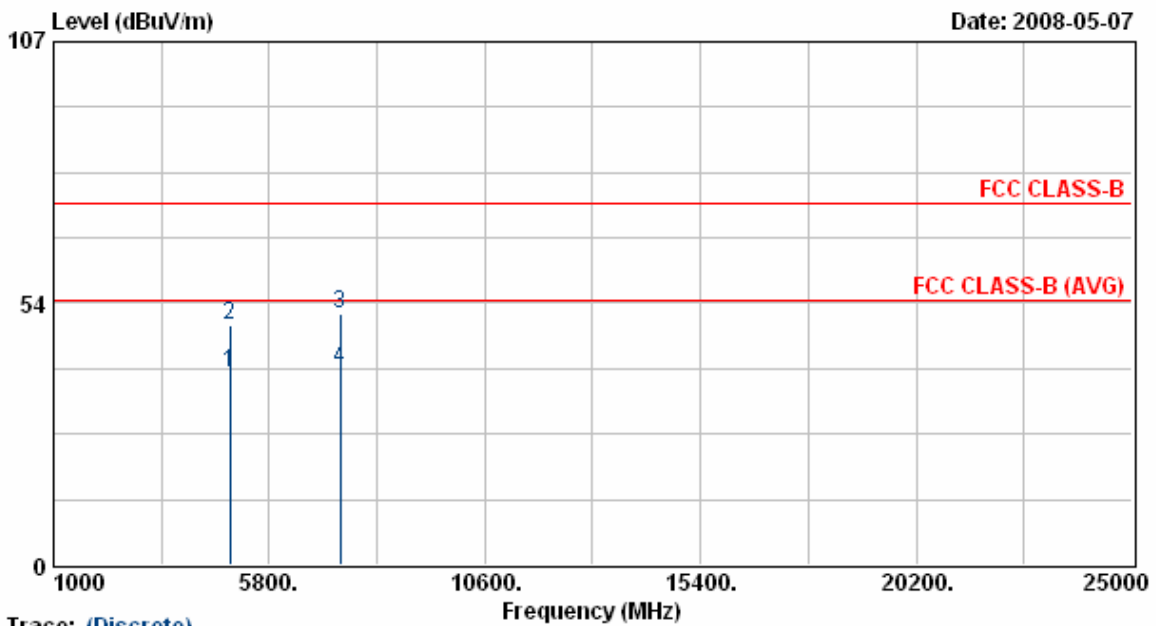
Trace: (Discrete)

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	4874.00	41.62	5.80	47.42	74.00	-26.58	Peak	100	85
2	4874.00	29.73	5.80	35.53	54.00	-18.47	Average	100	85
3	7310.88	30.13	9.47	39.61	54.00	-14.39	Average	100	85
4	7310.88	41.41	9.47	50.88	74.00	-23.12	Peak	100	85

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 11	Humidity	: 55 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 11Mbps



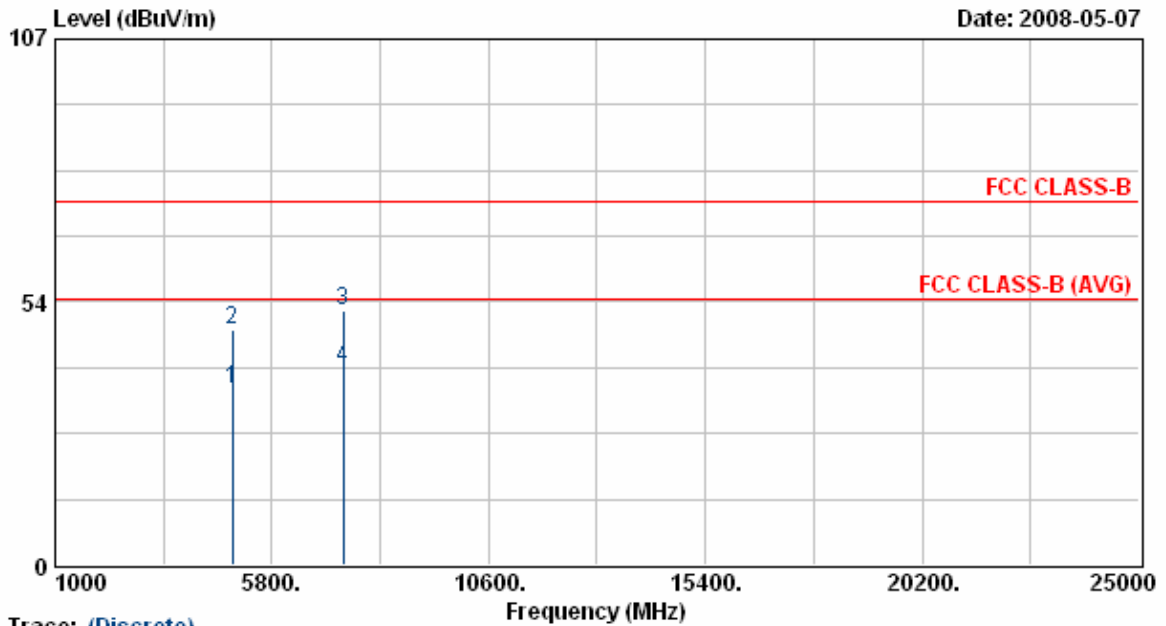
Trace: (Discrete)

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	4923.88	33.49	5.93	39.42	54.00	-14.58	Average	133	213
2	4923.88	43.28	5.93	49.22	74.00	-24.78	Peak	133	213
3	7386.00	41.46	9.80	51.26	74.00	-22.74	Peak	133	213
4	7386.00	30.27	9.80	40.07	54.00	-13.93	Average	133	213

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 11	Humidity	: 55 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 11Mbps



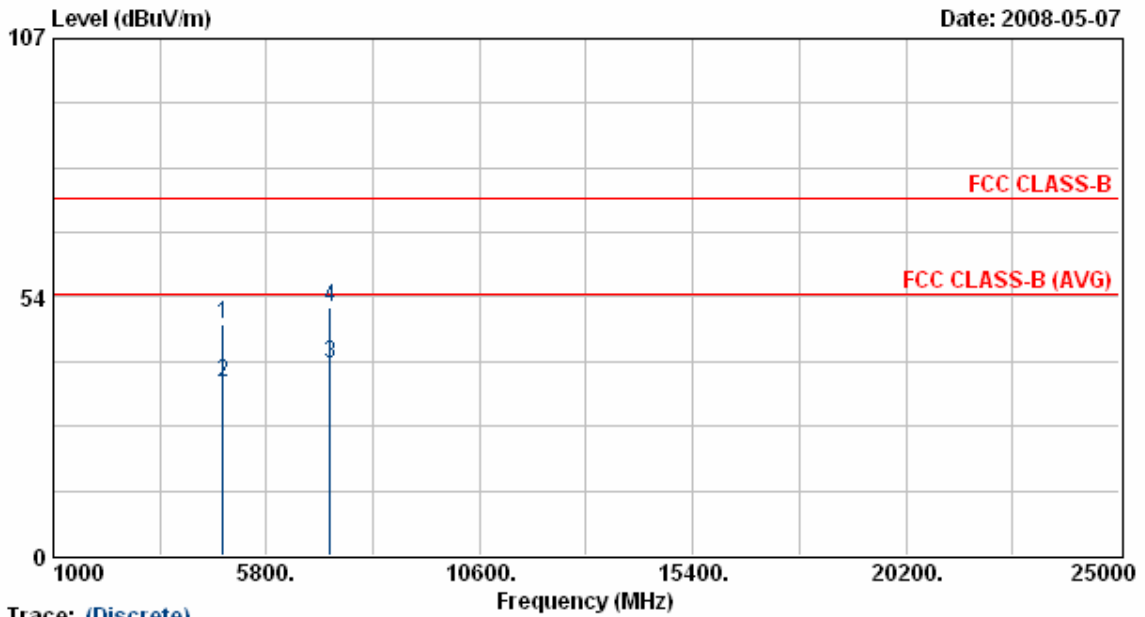
Trace: (Discrete)

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	4923.88	29.95	5.93	35.88	54.00	-18.12	Average	100	85
2	4923.88	41.97	5.93	47.90	74.00	-26.10	Peak	100	85
3	7386.00	41.98	9.80	51.78	74.00	-22.22	Peak	100	85
4	7386.00	30.18	9.80	39.98	54.00	-14.02	Average	100	85

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



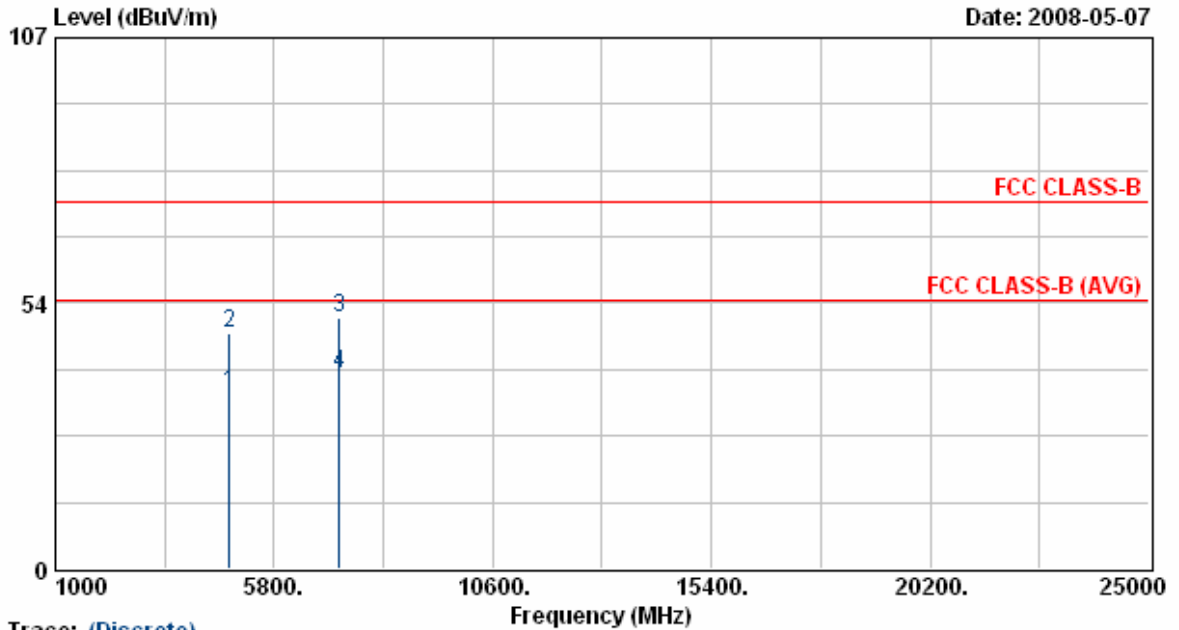
Trace: (Discrete)

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	4823.75	42.34	5.67	48.01	74.00	-25.99	Peak	133	213
2	4823.75	30.23	5.67	35.91	54.00	-18.09	Average	133	213
3	7235.88	30.57	9.14	39.71	54.00	-14.29	Average	133	213
4	7235.88	42.31	9.14	51.45	74.00	-22.55	Peak	133	213

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 1	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



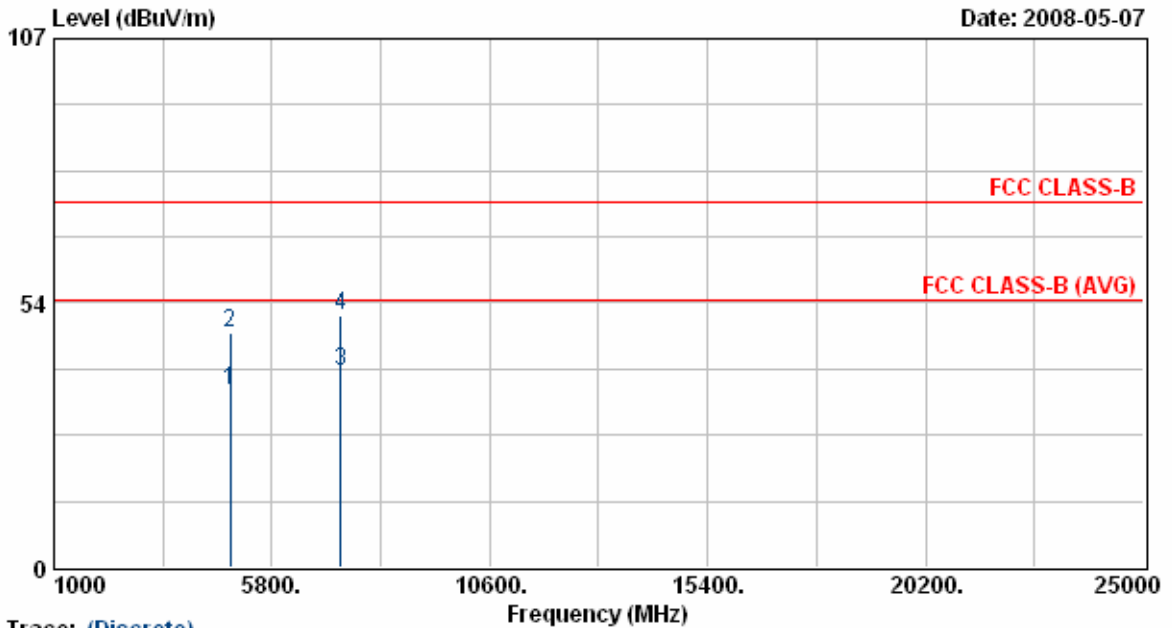
Trace: (Discrete)

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	4823.63	29.73	5.67	35.40	54.00	-18.60	Average	100	85
2	4823.63	41.64	5.67	47.31	74.00	-26.69	Peak	100	85
3	7235.88	41.56	9.14	50.71	74.00	-23.29	Peak	100	85
4	7235.88	30.27	9.14	39.42	54.00	-14.58	Average	100	85

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 6	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



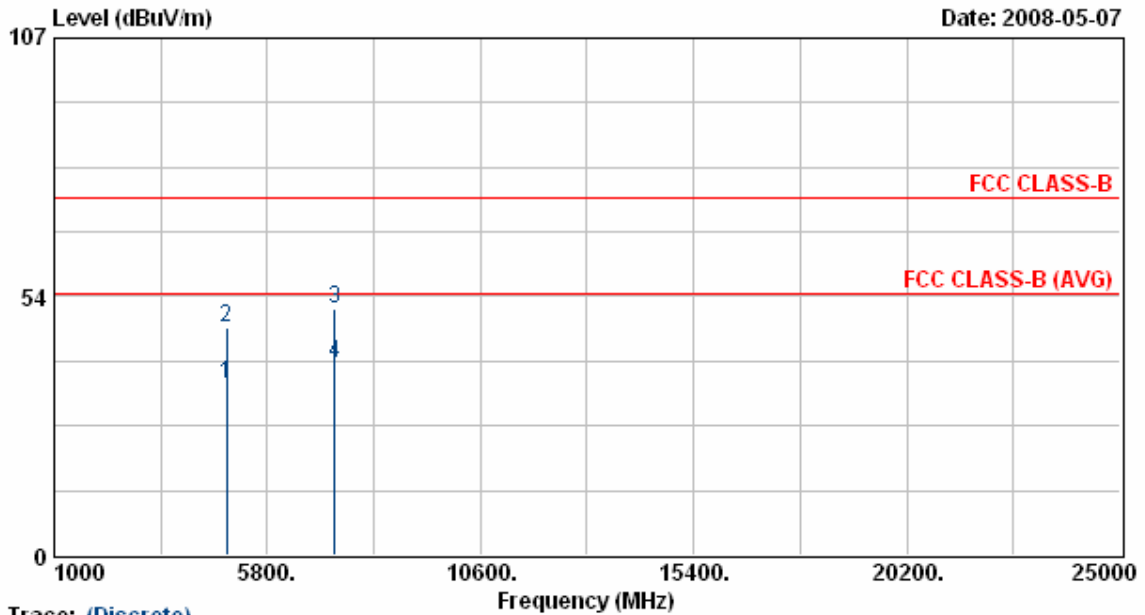
Trace: (Discrete)

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	4873.63	30.18	5.80	35.99	54.00	-18.01	Average	133	213
2	4873.63	41.47	5.80	47.28	74.00	-26.72	Peak	133	213
3	7310.88	30.34	9.47	39.82	54.00	-14.18	Average	133	213
4	7310.88	41.58	9.47	51.05	74.00	-22.95	Peak	133	213

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 6	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



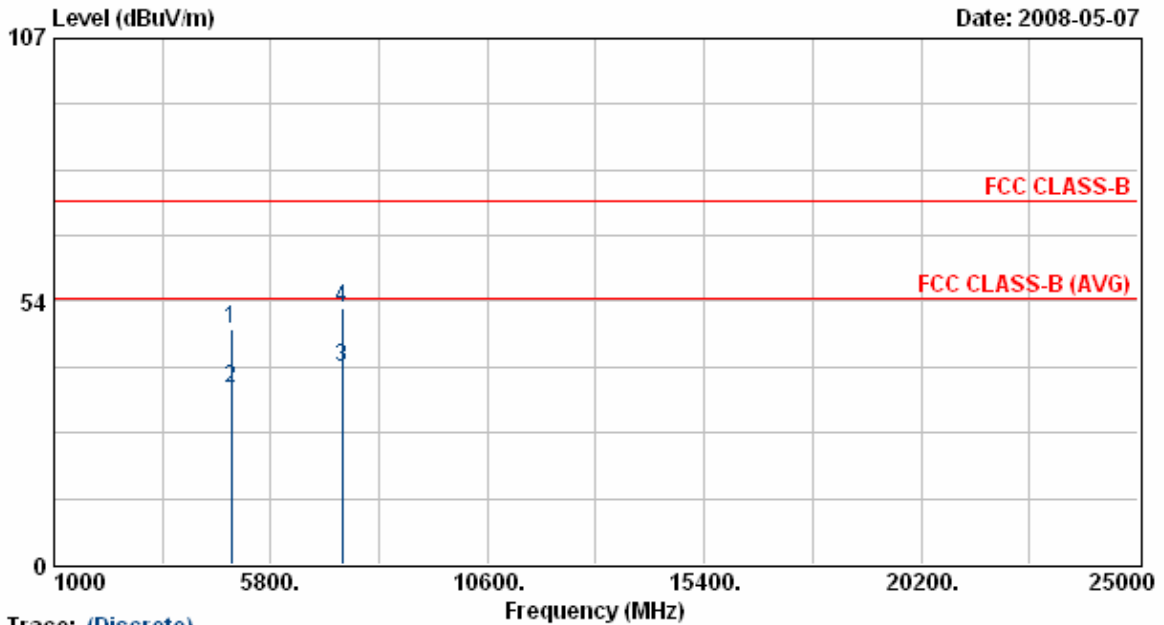
Trace: (Discrete)

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	4873.75	29.66	5.80	35.46	54.00	-18.54	Average	100	85
2	4873.75	41.09	5.80	46.89	74.00	-27.11	Peak	100	85
3	7311.63	41.65	9.47	51.12	74.00	-22.88	Peak	100	85
4	7311.63	30.20	9.47	39.67	54.00	-14.33	Average	100	85

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 11	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



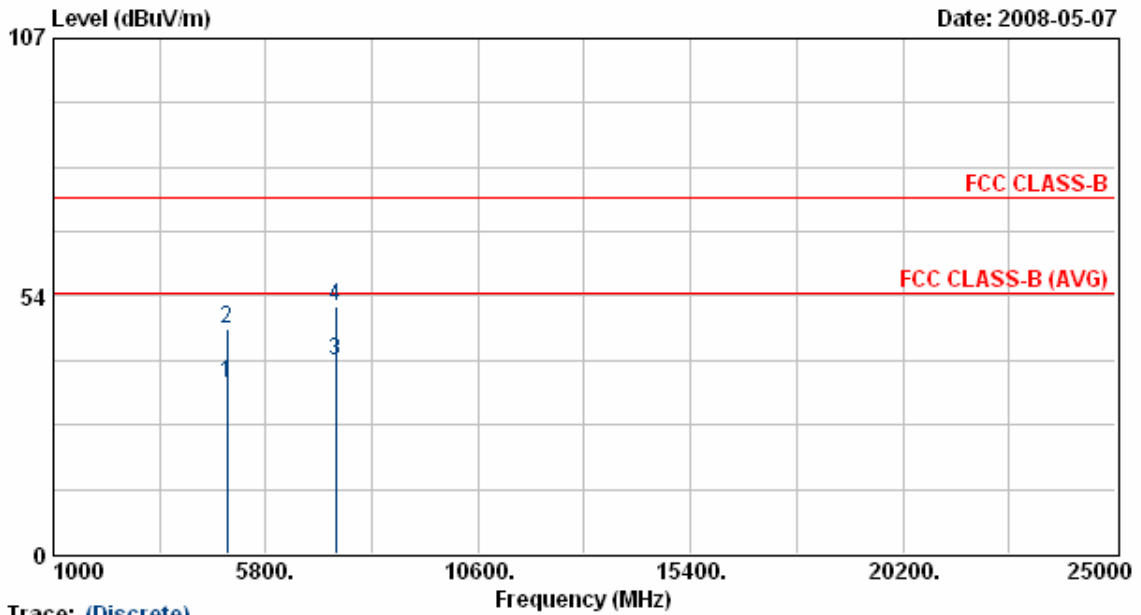
Trace: (Discrete)

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	4923.38	41.88	5.93	47.81	74.00	-26.19	Peak	133	213
2	4923.38	29.91	5.93	35.84	54.00	-18.16	Average	133	213
3	7386.63	30.40	9.80	40.21	54.00	-13.79	Average	133	213
4	7386.63	42.20	9.80	52.01	74.00	-21.99	Peak	133	213

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 24 °C
Operation Channel	: 11	Humidity	: 55 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6Mbps



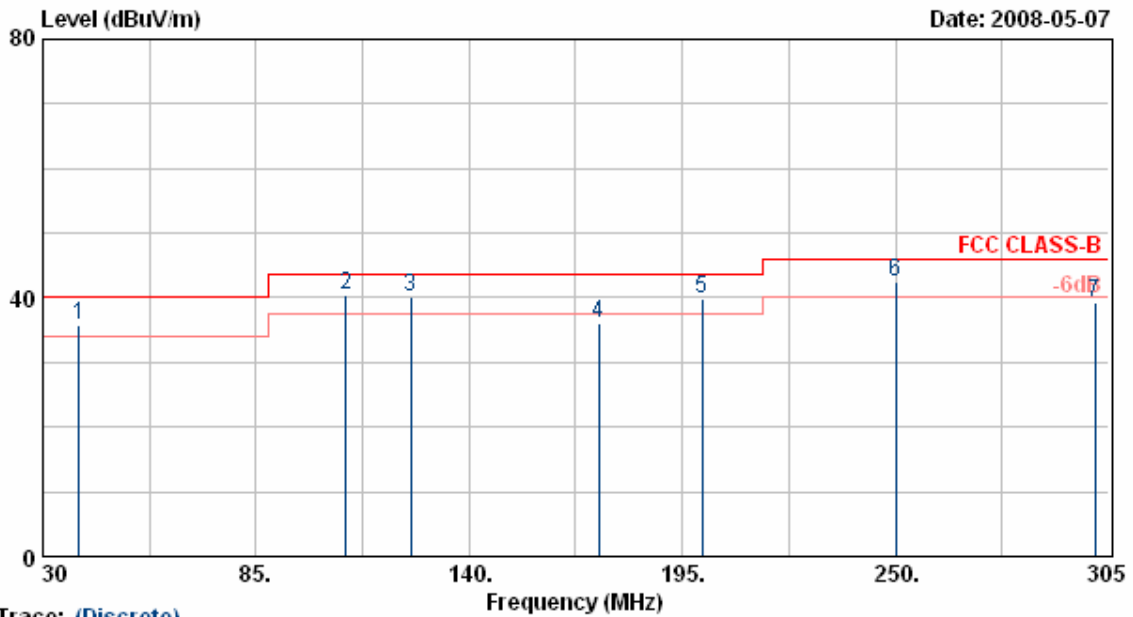
Trace: (Discrete)

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	4923.50	29.59	5.93	35.52	54.00	-18.48	Average	100	85
2	4923.50	40.84	5.93	46.77	74.00	-27.23	Peak	100	85
3	7385.63	30.17	9.80	39.97	54.00	-14.03	Average	100	85
4	7385.63	41.42	9.80	51.22	74.00	-22.78	Peak	100	85

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



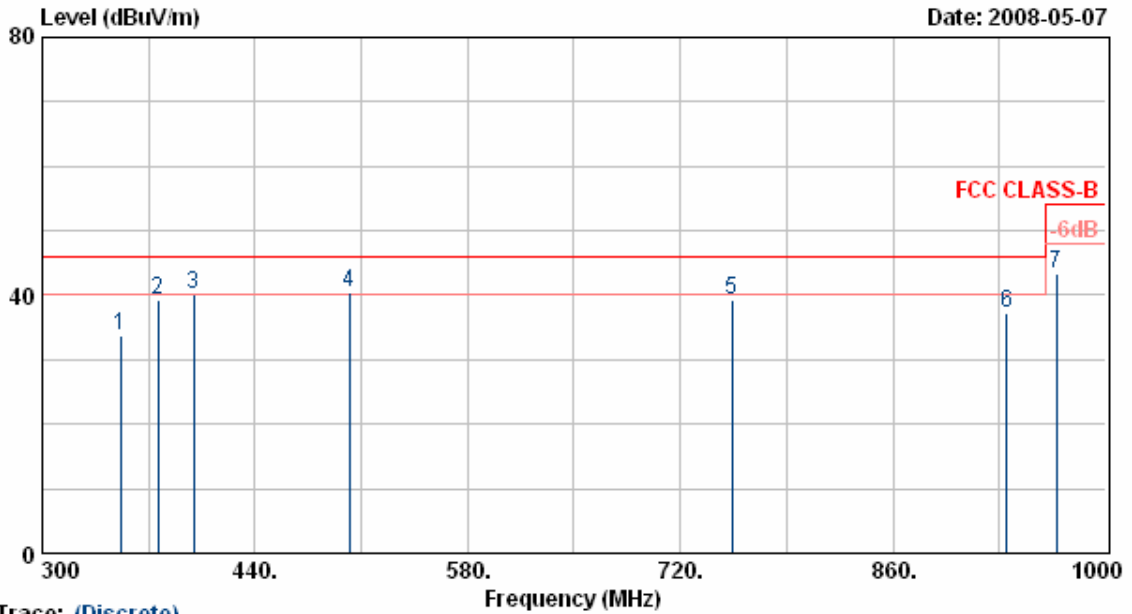
Trace: (Discrete)

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	39.35	47.24	-11.42	35.82	40.00	-4.18	QP	100	97
2	108.28	53.92	-13.54	40.38	43.50	-3.12	QP	100	155
3	125.04	53.50	-13.30	40.20	43.50	-3.30	QP	100	174
4	173.55	46.72	-10.51	36.21	43.50	-7.29	Peak	100	45
5	200.02	51.46	-11.75	39.71	43.50	-3.79	QP	100	52
6	250.00	55.47	-13.04	42.43	46.00	-3.57	QP	100	182
7	301.43	48.22	-9.09	39.13	46.00	-6.87	Peak	100	222

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



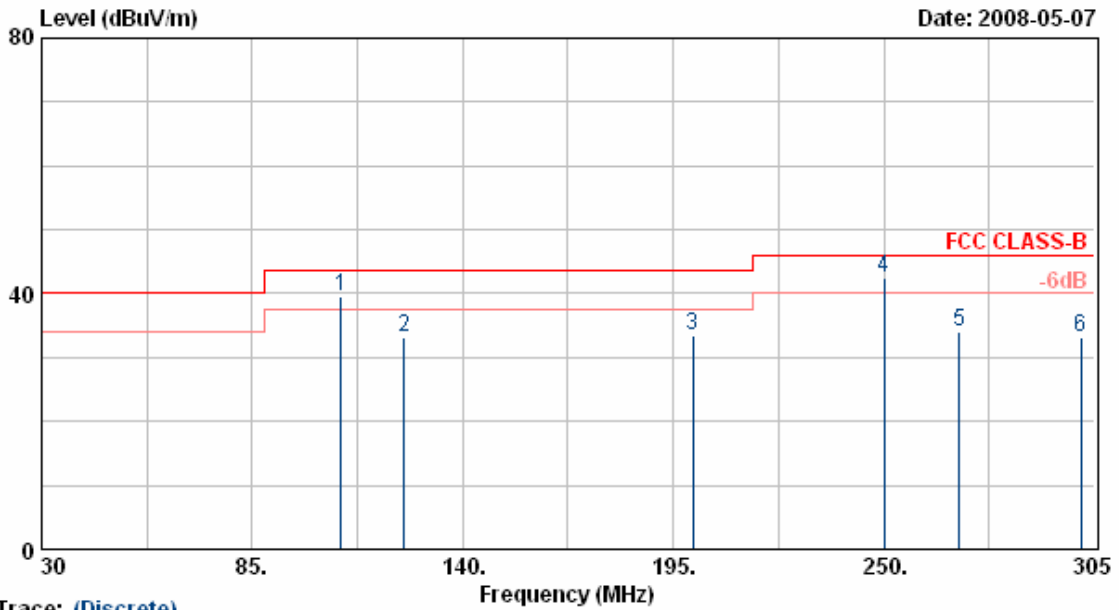
Trace: (Discrete)

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	351.80	44.54	-10.65	33.89	46.00	-12.11	Peak	100	142
2	376.30	48.55	-9.17	39.38	46.00	-6.62	Peak	100	111
3	399.40	48.69	-8.62	40.07	46.00	-5.93	QP	100	183
4	502.30	45.52	-4.95	40.57	46.00	-5.43	QP	100	183
5	754.30	39.47	-0.06	39.41	46.00	-6.59	Peak	100	221
6	934.90	38.41	-1.06	37.35	46.00	-8.65	Peak	100	119
7	967.80	40.12	3.25	43.37	54.00	-10.63	Peak	100	119

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



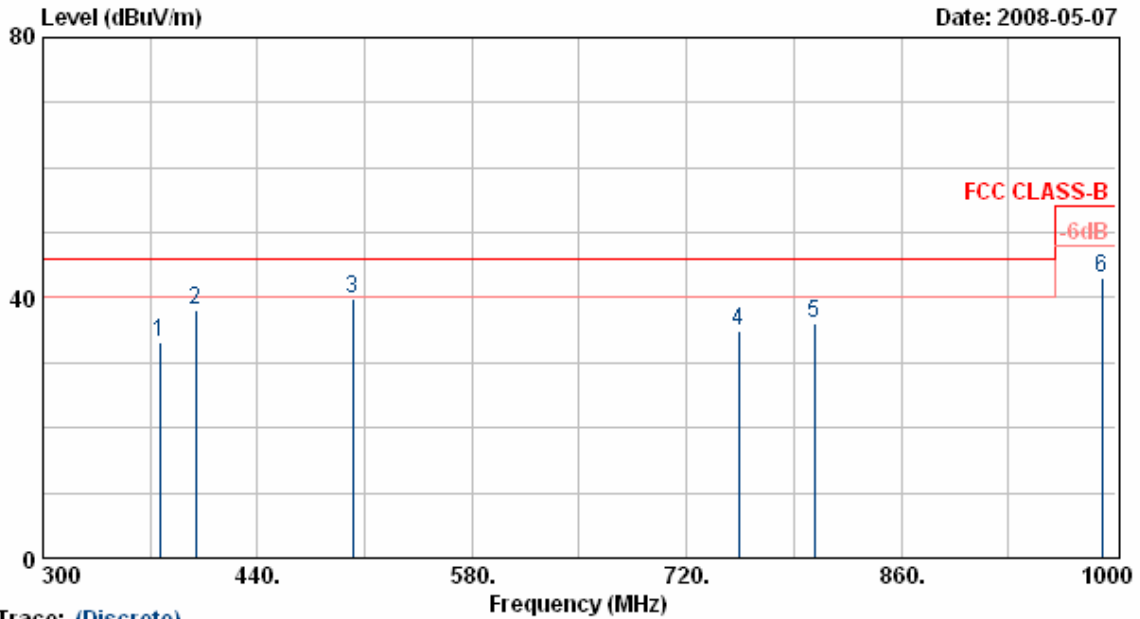
Trace: (Discrete)

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	108.22	58.85	-19.20	39.65	43.50	-3.85	QP	200	74
2	124.60	52.62	-19.46	33.16	43.50	-10.34	Peak	200	274
3	200.23	48.14	-14.58	33.56	43.50	-9.94	Peak	200	52
4	250.16	60.15	-17.63	42.52	46.00	-3.48	QP	200	52
5	269.80	49.27	-15.37	33.90	46.00	-12.10	Peak	200	0
6	301.50	47.36	-14.32	33.04	46.00	-12.96	Peak	200	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. 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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



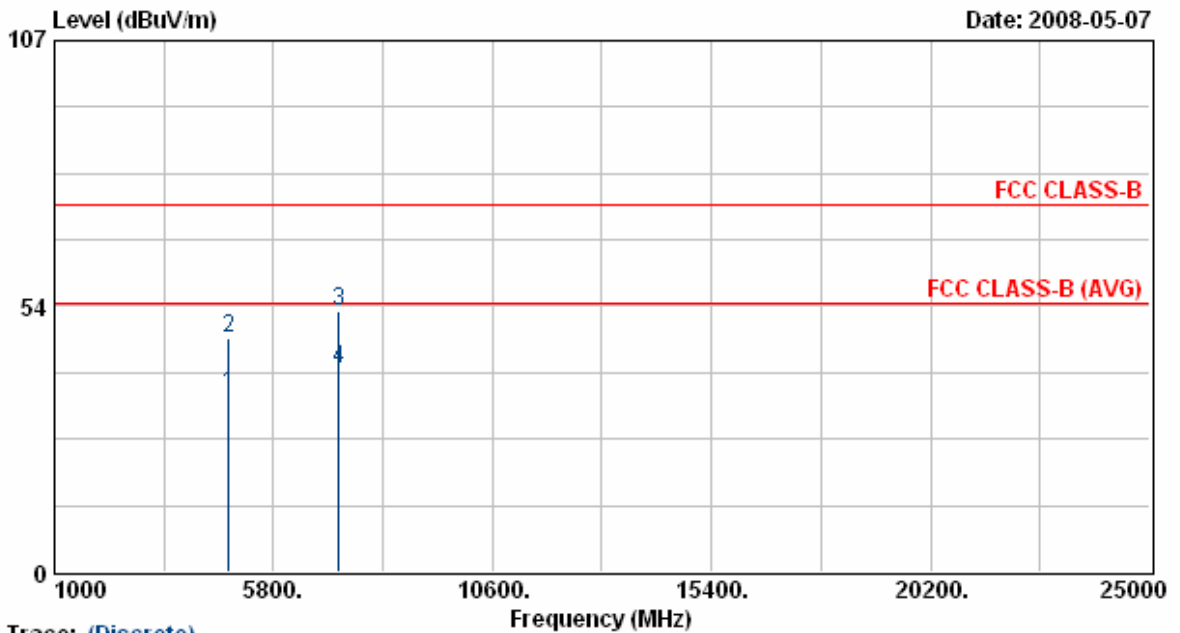
Trace: (Discrete)

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	376.30	43.95	-10.87	33.08	46.00	-12.92	Peak	200	88
2	399.40	49.21	-11.05	38.16	46.00	-7.84	Peak	200	88
3	502.30	44.74	-5.03	39.71	46.00	-6.29	Peak	200	88
4	754.30	35.15	-0.20	34.95	46.00	-11.05	Peak	200	177
5	803.30	36.22	-0.29	35.93	46.00	-10.07	Peak	200	222
6	990.90	36.52	6.48	43.00	54.00	-11.00	Peak	200	241

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



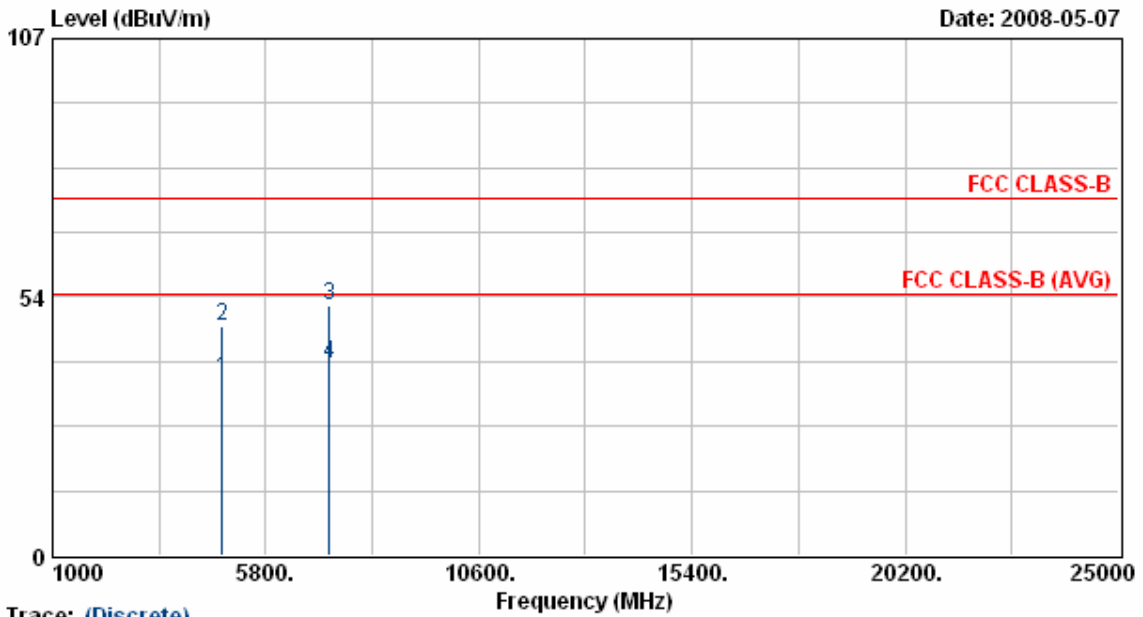
Trace: (Discrete)

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	4824.00	30.02	5.67	35.70	54.00	-18.30	Average	138	192
2	4824.00	41.30	5.67	46.97	74.00	-27.03	Peak	138	192
3	7237.63	43.22	9.15	52.37	74.00	-21.63	Peak	138	192
4	7237.63	31.70	9.15	40.85	54.00	-13.15	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



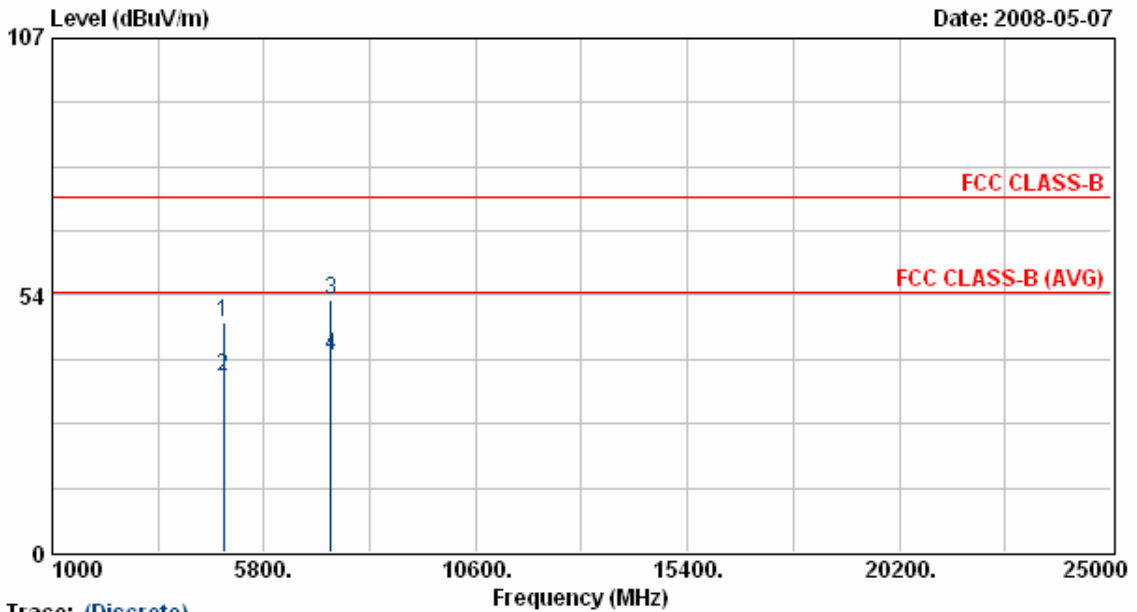
Trace: (Discrete)

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	4824.00	31.01	5.67	36.69	54.00	-17.31	Average	133	165
2	4824.00	41.65	5.67	47.33	74.00	-26.67	Peak	133	165
3	7235.63	42.54	9.14	51.68	74.00	-22.32	Peak	133	165
4	7235.63	30.50	9.14	39.64	54.00	-14.36	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



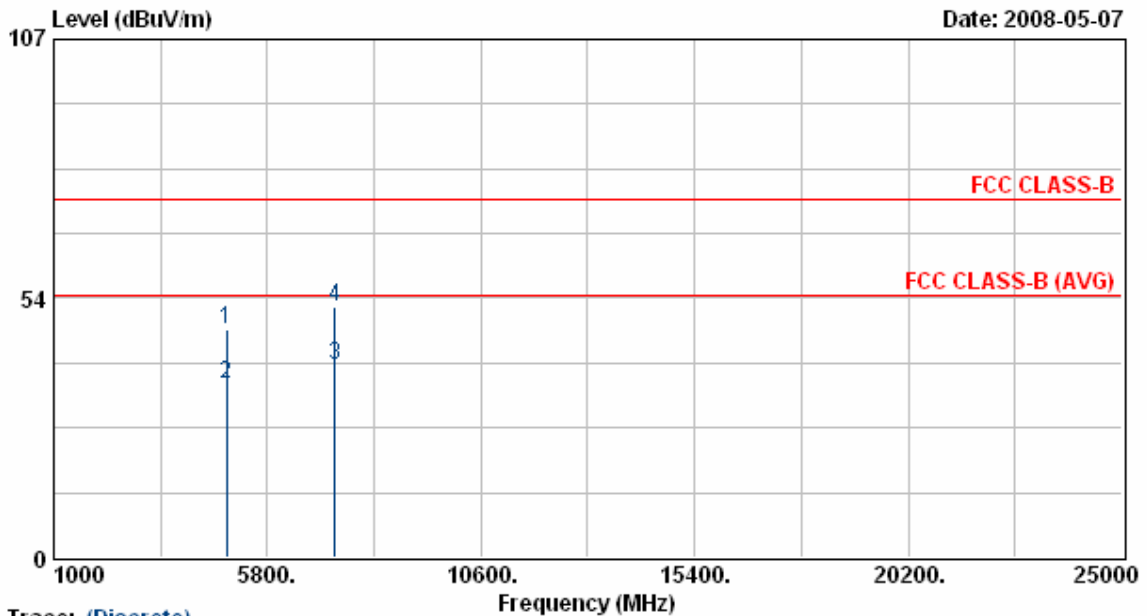
Trace: (Discrete)

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	4874.00	41.99	5.80	47.80	74.00	-26.20	Peak	138	192
2	4874.00	30.86	5.80	36.67	54.00	-17.33	Average	138	192
3	7312.75	43.23	9.48	52.71	74.00	-21.29	Peak	138	192
4	7312.75	31.22	9.48	40.70	54.00	-13.30	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



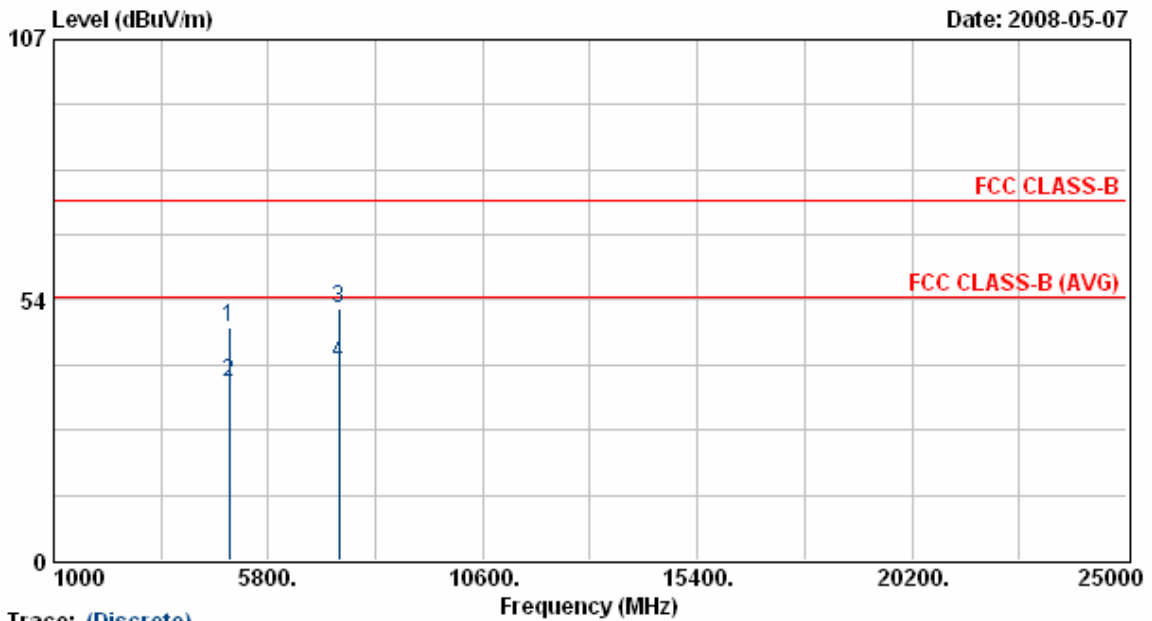
Trace: (Discrete)

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	4874.00	41.43	5.80	47.23	74.00	-26.77	Peak	133	165
2	4874.00	30.09	5.80	35.89	54.00	-18.11	Average	133	165
3	7310.38	30.36	9.47	39.83	54.00	-14.17	Average	133	165
4	7310.38	42.18	9.47	51.65	74.00	-22.35	Peak	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



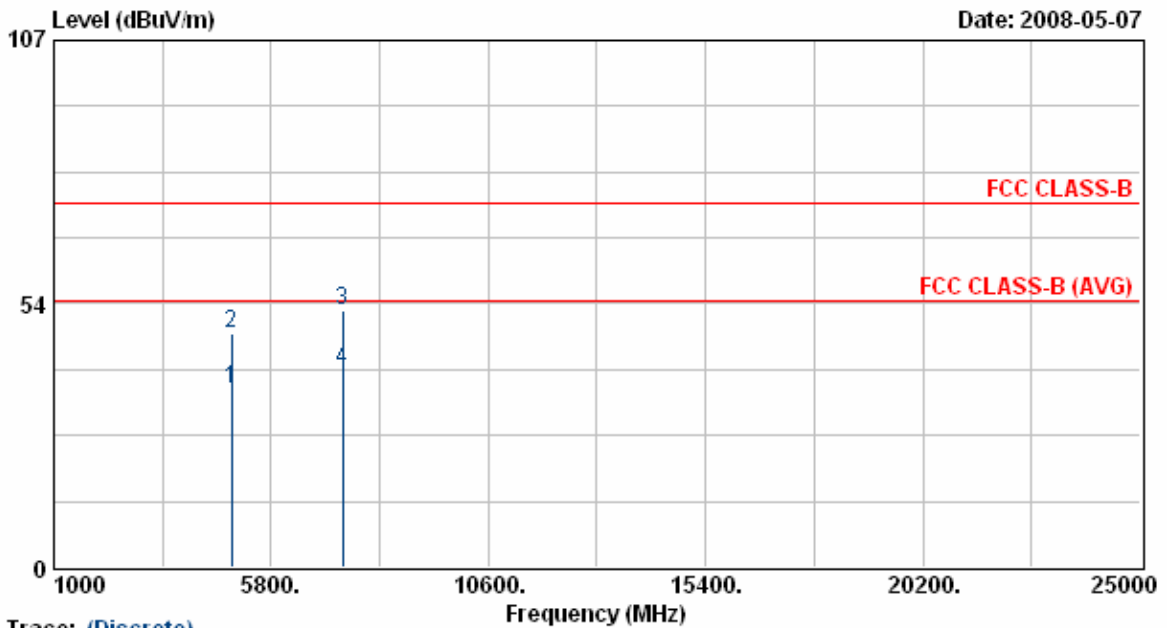
Trace: (Discrete)

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	4924.00	42.01	5.93	47.94	74.00	-26.06	Peak	138	192
2	4924.00	30.48	5.93	36.42	54.00	-17.58	Average	138	192
3	7388.38	41.90	9.81	51.71	74.00	-22.29	Peak	138	192
4	7388.38	30.75	9.81	40.56	54.00	-13.44	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 6.5Mbps



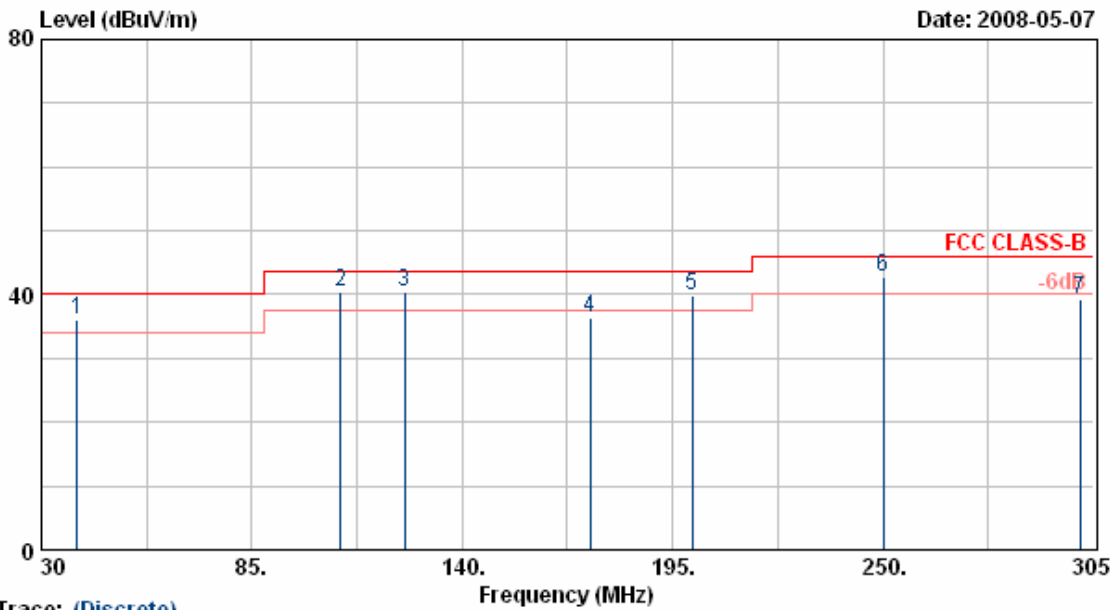
Trace: (Discrete)

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	4924.00	30.10	5.93	36.03	54.00	-17.97	Average	133	165
2	4924.00	41.44	5.93	47.38	74.00	-26.62	Peak	133	165
3	7387.00	42.17	9.81	51.98	74.00	-22.02	Peak	133	165
4	7387.00	30.35	9.81	40.15	54.00	-13.85	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



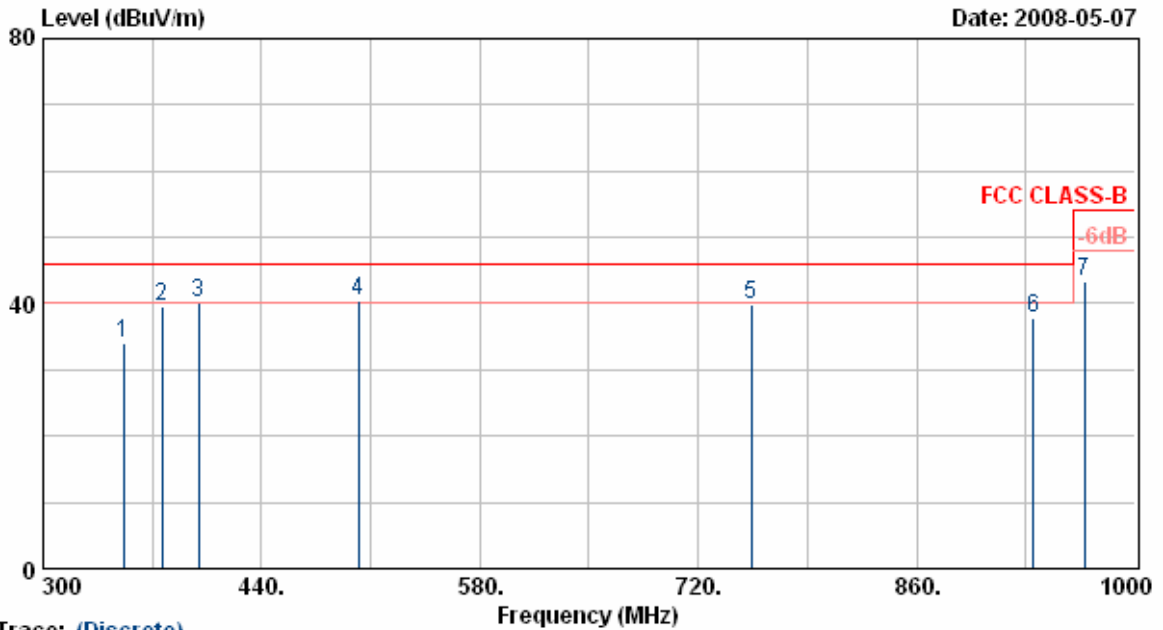
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Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	39.35	47.55	-11.42	36.13	40.00	-3.87	QP	100	97
2	108.28	53.90	-13.54	40.36	43.50	-3.14	QP	100	155
3	125.04	53.79	-13.30	40.49	43.50	-3.01	QP	100	174
4	173.55	46.88	-10.51	36.37	43.50	-7.13	Peak	100	45
5	200.02	51.62	-11.75	39.87	43.50	-3.63	QP	100	52
6	250.00	55.69	-13.04	42.65	46.00	-3.35	QP	100	182
7	301.43	48.41	-9.09	39.32	46.00	-6.68	Peak	100	222

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



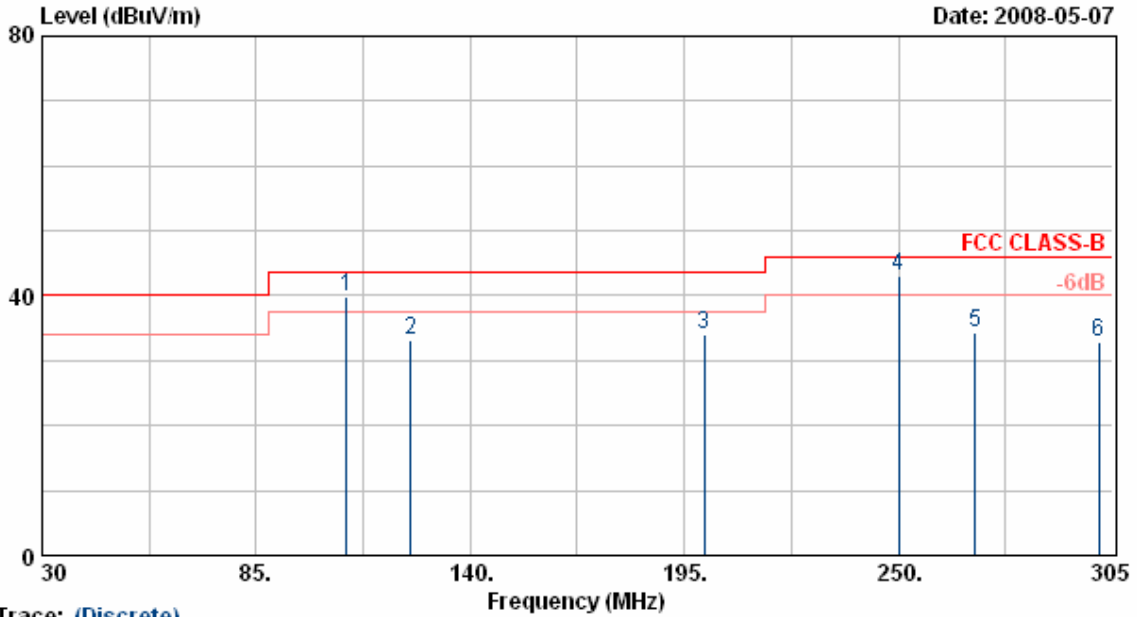
Trace: (Discrete)

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	351.80	44.66	-10.65	34.01	46.00	-11.99	Peak	100	142
2	376.30	48.83	-9.17	39.66	46.00	-6.34	Peak	100	111
3	399.40	48.72	-8.62	40.10	46.00	-5.90	QP	100	183
4	502.30	45.35	-4.95	40.40	46.00	-5.60	QP	100	183
5	754.30	39.96	-0.06	39.90	46.00	-6.10	Peak	100	221
6	934.90	38.79	-1.06	37.73	46.00	-8.27	Peak	100	119
7	967.80	40.00	3.25	43.25	54.00	-10.75	Peak	100	119

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



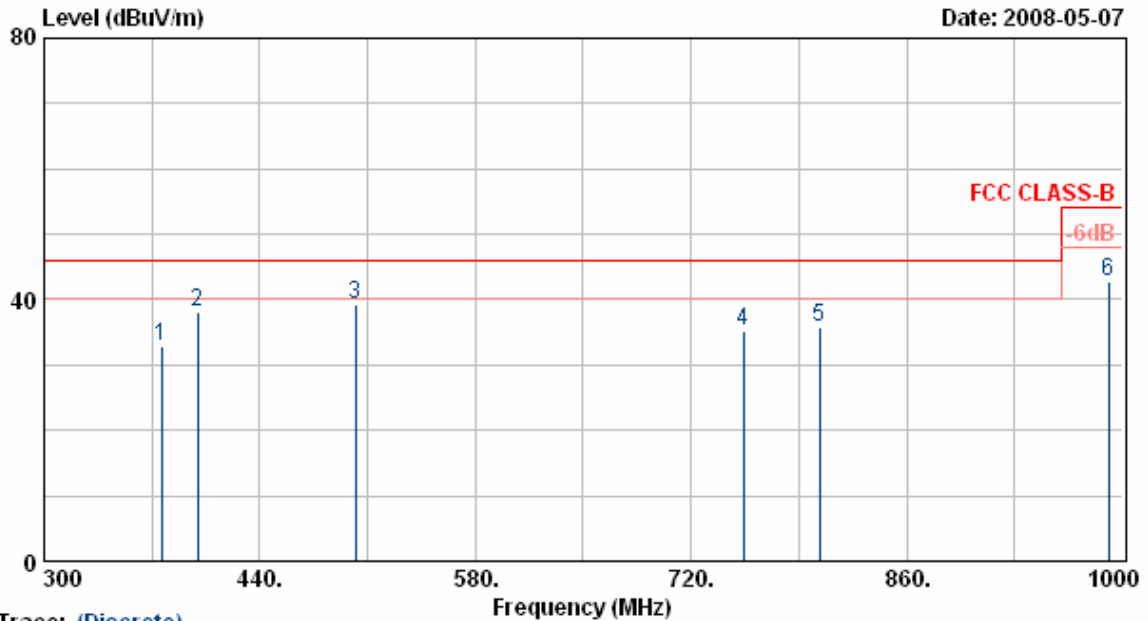
Trace: (Discrete)

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	108.22	59.11	-19.20	39.91	43.50	-3.59	QP	200	74
2	124.60	52.60	-19.46	33.14	43.50	-10.36	Peak	200	274
3	200.23	48.52	-14.58	33.94	43.50	-9.56	Peak	200	52
4	250.16	60.61	-17.63	42.98	46.00	-3.02	QP	200	52
5	269.80	49.72	-15.37	34.35	46.00	-11.65	Peak	200	0
6	301.50	47.30	-14.32	32.98	46.00	-13.02	Peak	200	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. 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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



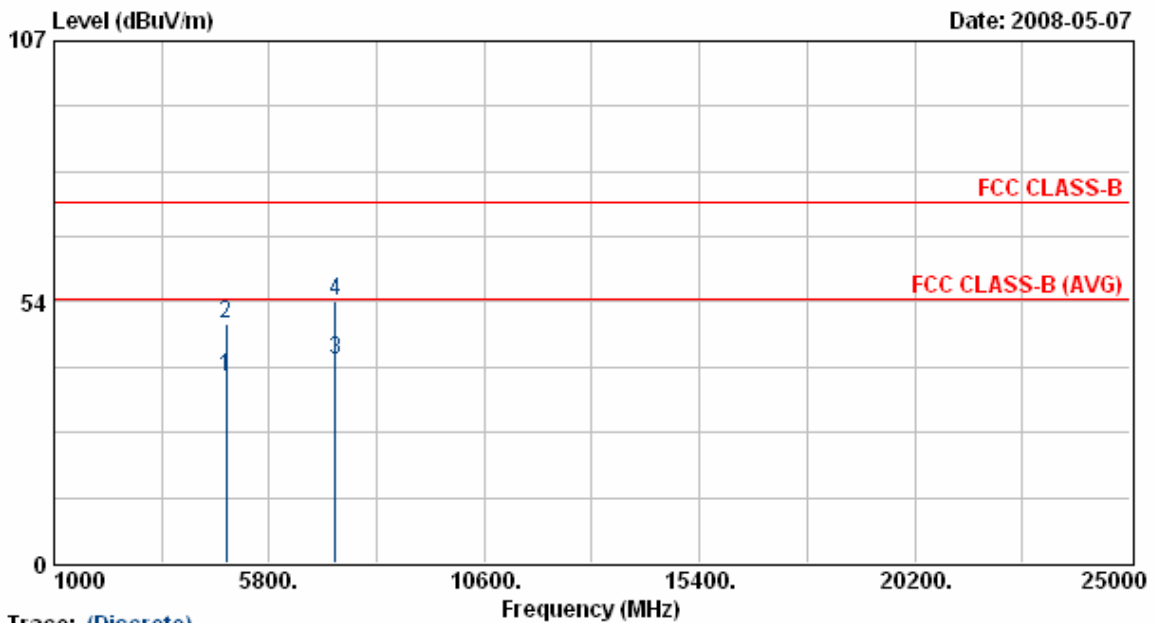
Trace: (Discrete)

Item	Freq MHz	Read Value dBuV/m	Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	376.30	43.71	-10.87	32.84	46.00	-13.16	Peak	200	88
2	399.40	49.29	-11.05	38.24	46.00	-7.76	Peak	200	88
3	502.30	44.21	-5.03	39.18	46.00	-6.82	Peak	200	88
4	754.30	35.55	-0.20	35.35	46.00	-10.65	Peak	200	177
5	803.30	36.14	-0.29	35.85	46.00	-10.15	Peak	200	222
6	990.90	36.42	6.48	42.90	54.00	-11.10	Peak	200	241

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



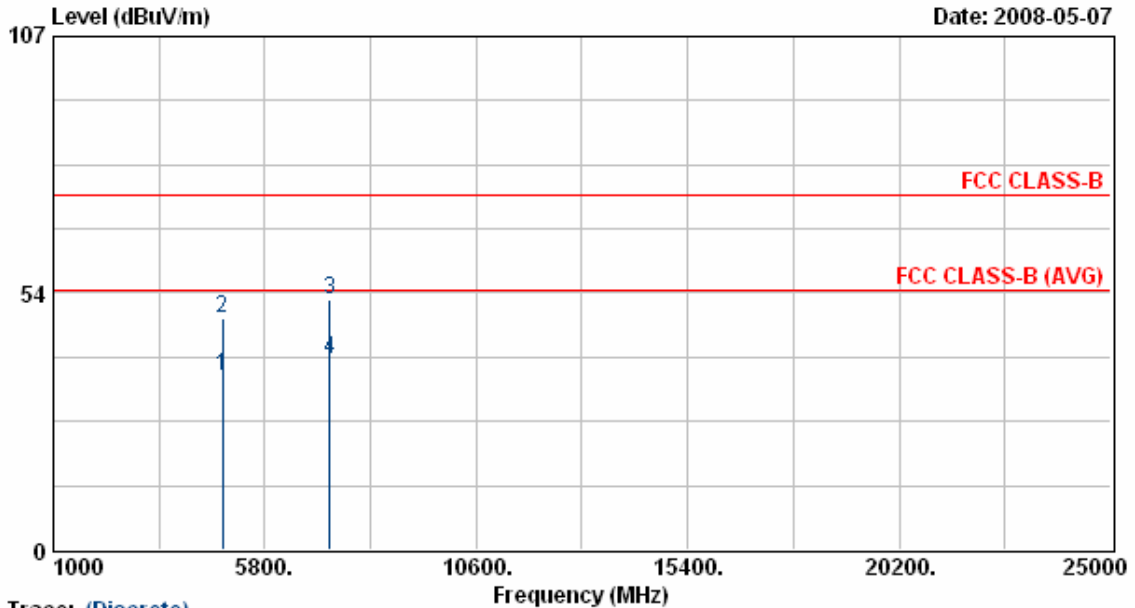
Trace: (Discrete)

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	4843.25	32.40	5.72	38.12	54.00	-15.88	Average	116	119
2	4843.25	43.29	5.72	49.01	74.00	-24.99	Peak	116	119
3	7266.25	32.16	9.28	41.44	54.00	-12.56	Average	116	119
4	7266.25	44.48	9.28	53.76	74.00	-20.24	Peak	116	119

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



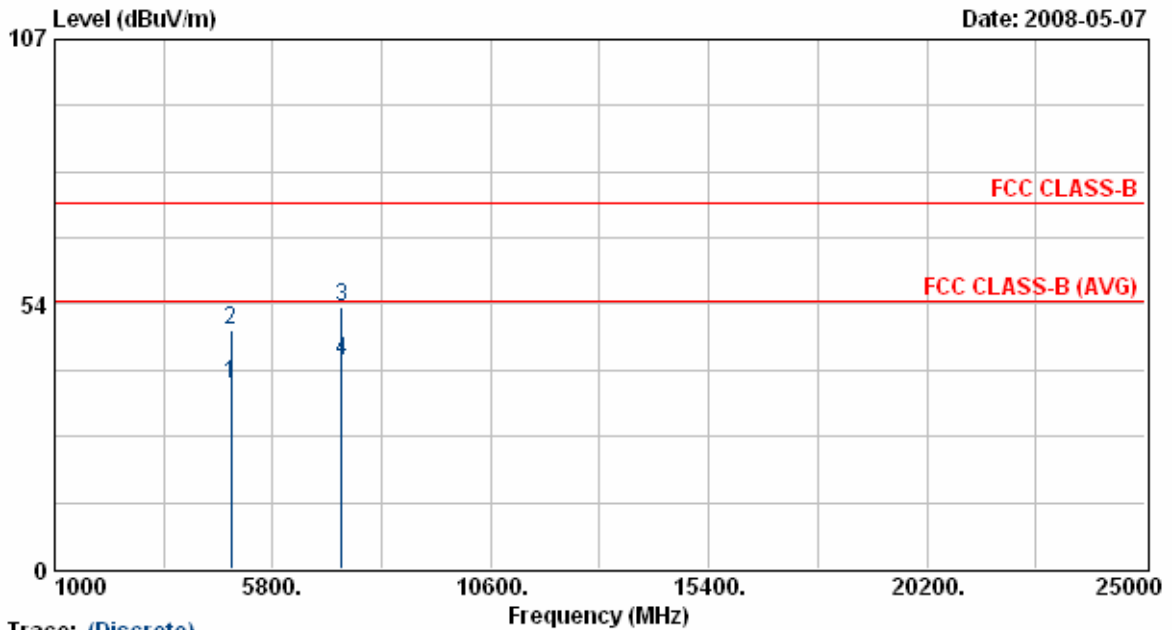
Trace: (Discrete)

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	4843.63	30.55	5.72	36.27	54.00	-17.73	Average	118	148
2	4843.63	42.52	5.72	48.25	74.00	-25.75	Peak	118	148
3	7266.00	42.93	9.28	52.20	74.00	-21.80	Peak	118	148
4	7266.00	30.45	9.28	39.73	54.00	-14.27	Average	118	148

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



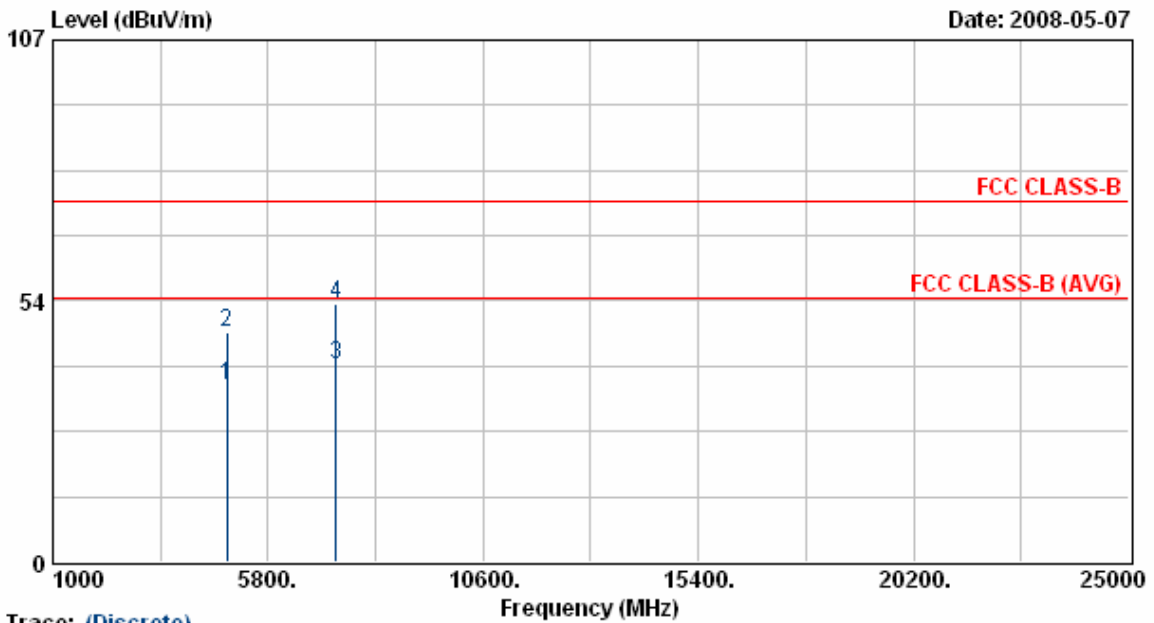
Trace: (Discrete)

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	4873.63	31.47	5.80	37.27	54.00	-16.73	Average	128	204
2	4873.63	42.37	5.80	48.17	74.00	-25.83	Peak	128	204
3	7311.38	43.29	9.47	52.76	74.00	-21.24	Peak	128	204
4	7311.38	32.47	9.47	41.94	54.00	-12.06	Average	128	204

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



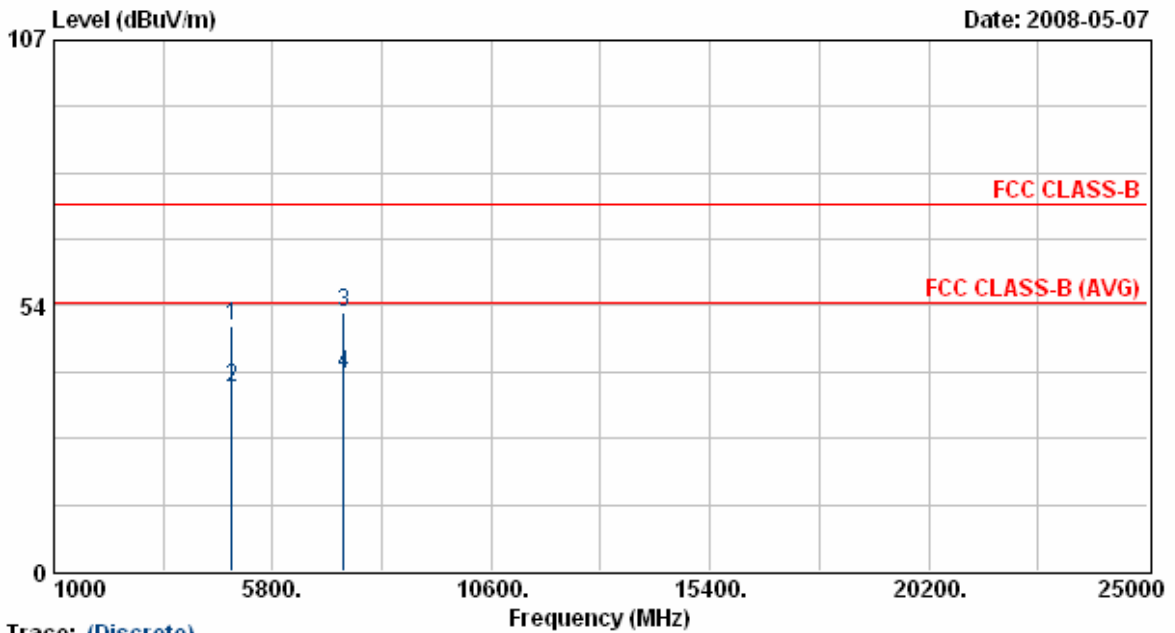
Trace: (Discrete)

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	4874.13	30.51	5.80	36.31	54.00	-17.69	Average	124	218
2	4874.13	41.46	5.80	47.26	74.00	-26.74	Peak	124	218
3	7311.00	30.94	9.47	40.41	54.00	-13.59	Average	124	218
4	7311.00	43.63	9.47	53.10	74.00	-20.90	Peak	124	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.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 9	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



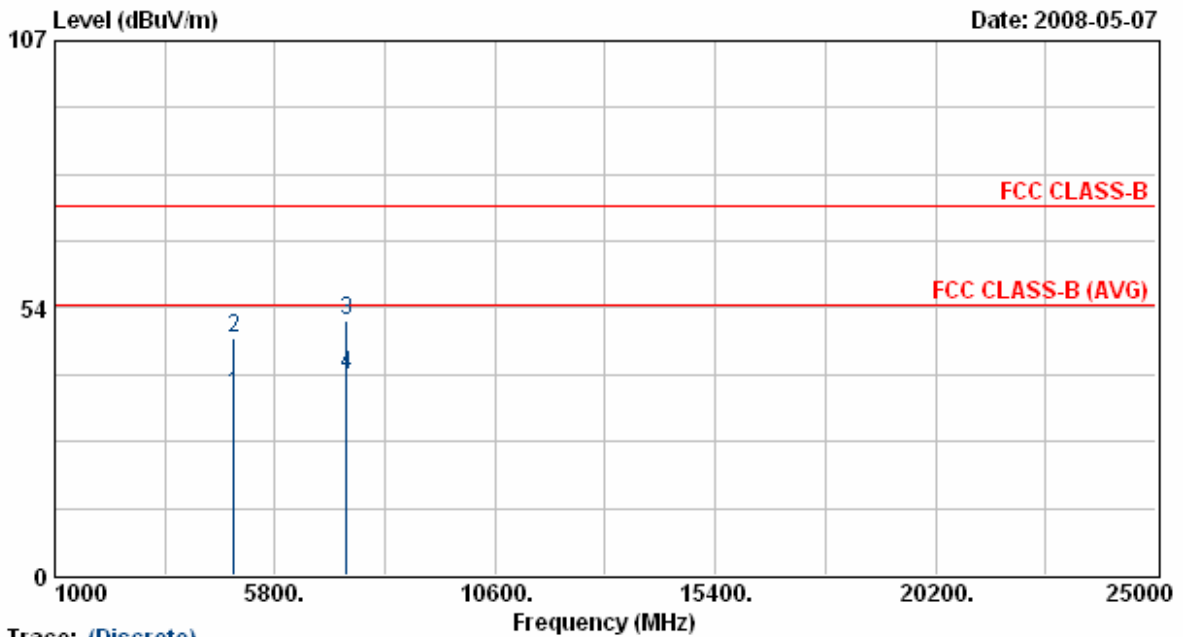
Trace: (Discrete)

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	4904.75	43.68	5.88	49.56	74.00	-24.44	Peak	137	14
2	4904.75	31.09	5.88	36.97	54.00	-17.03	Average	137	14
3	7356.75	42.43	9.67	52.10	74.00	-21.90	Peak	137	14
4	7356.75	30.02	9.67	39.69	54.00	-14.31	Average	137	14

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 9	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-12G-12 AUS 120120	Rate	: 13.5Mbps



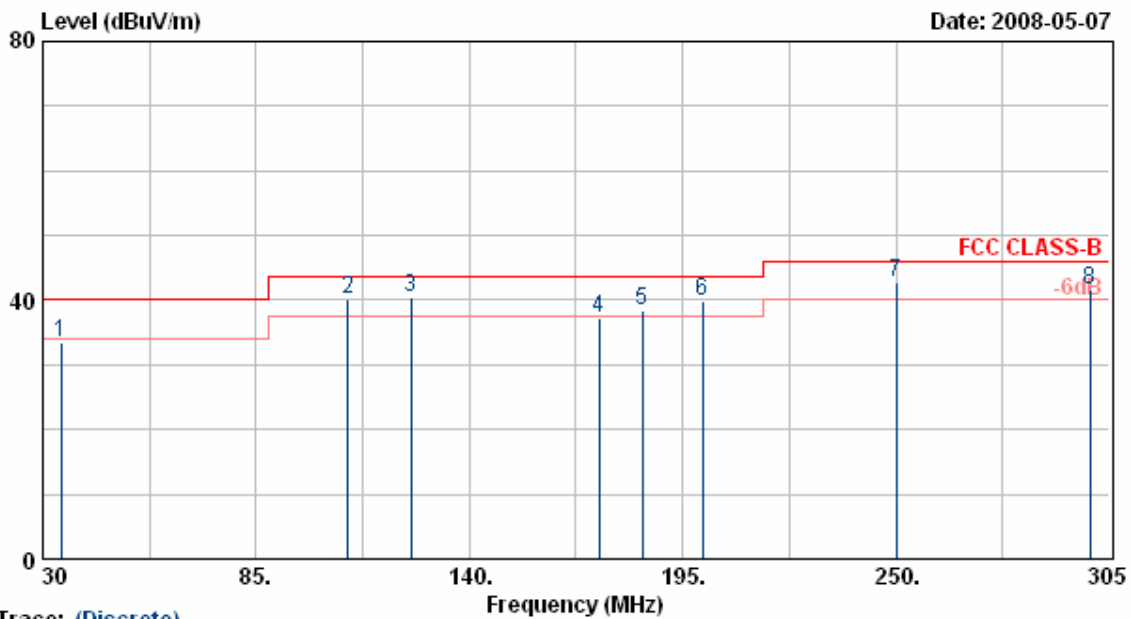
Trace: (Discrete)

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	4903.63	30.26	5.88	36.14	54.00	-17.86	Average	136	171
2	4903.63	41.59	5.88	47.47	74.00	-26.53	Peak	136	171
3	7355.88	41.44	9.67	51.11	74.00	-22.89	Peak	136	171
4	7355.88	30.57	9.67	40.24	54.00	-13.76	Average	136	171

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



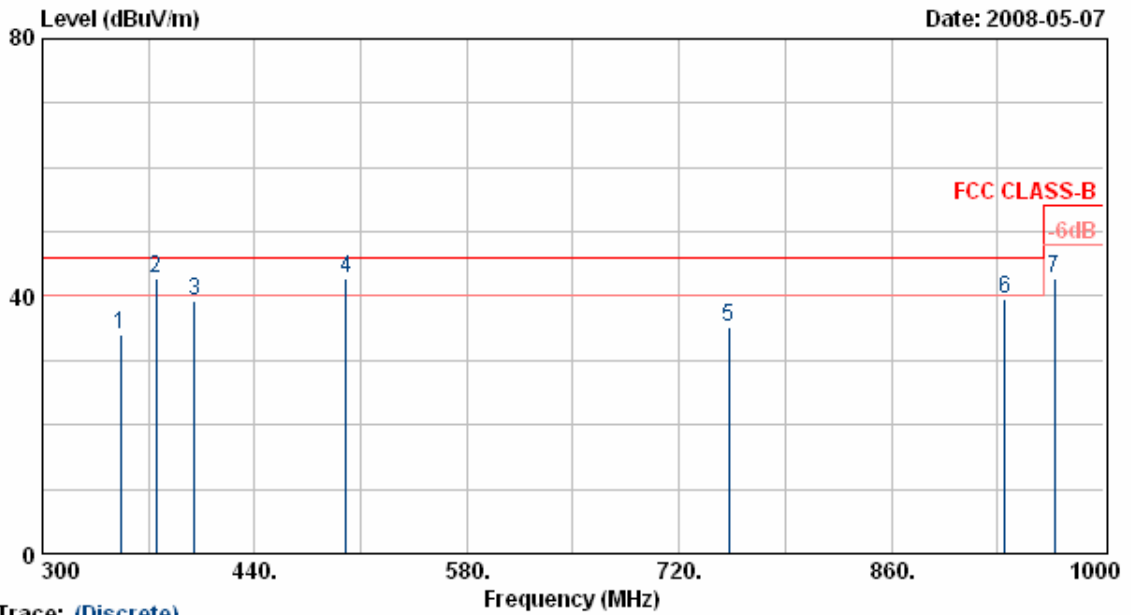
Trace: (Discrete)

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	34.67	41.50	-8.08	33.42	40.00	-6.58	Peak	100	52
2	108.80	53.50	-13.49	40.01	43.50	-3.49	QP	100	52
3	125.01	53.63	-13.29	40.34	43.50	-3.16	QP	100	85
4	173.55	47.82	-10.51	37.31	43.50	-6.19	Peak	100	85
5	184.60	47.88	-9.51	38.37	43.50	-5.13	QP	100	152
6	200.00	51.62	-11.75	39.87	43.50	-3.63	QP	100	0
7	250.00	55.70	-13.04	42.66	46.00	-3.34	QP	100	0
8	300.00	51.17	-9.50	41.67	46.00	-4.33	QP	100	50

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



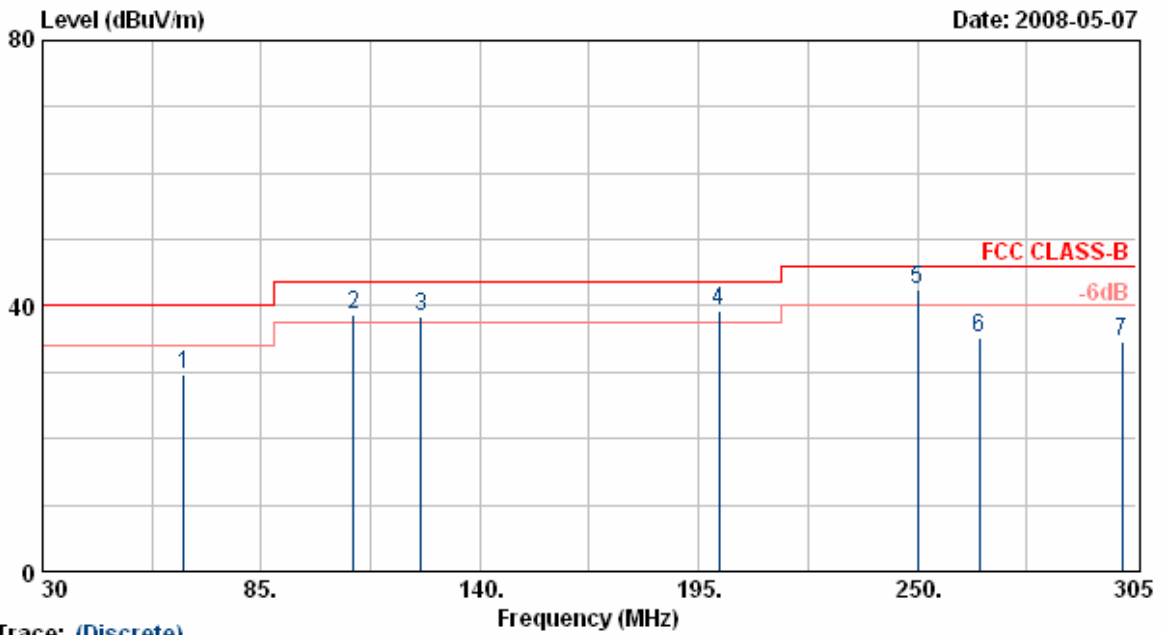
Trace: (Discrete)

Item	Freq MHz	Read Value dBUV/m	Factor dB	Result dBUV/m	Limit dBUV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	351.80	44.82	-10.65	34.17	46.00	-11.83	Peak	100	88
2	375.00	51.47	-8.84	42.63	46.00	-3.37	QP	100	52
3	400.00	48.20	-8.86	39.34	46.00	-6.66	Peak	100	112
4	500.05	47.73	-4.86	42.87	46.00	-3.13	QP	100	89
5	752.90	34.82	0.38	35.20	46.00	-10.80	Peak	100	89
6	934.90	40.61	-1.06	39.55	46.00	-6.45	Peak	100	188
7	967.80	39.66	3.25	42.91	54.00	-11.09	Peak	100	188

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



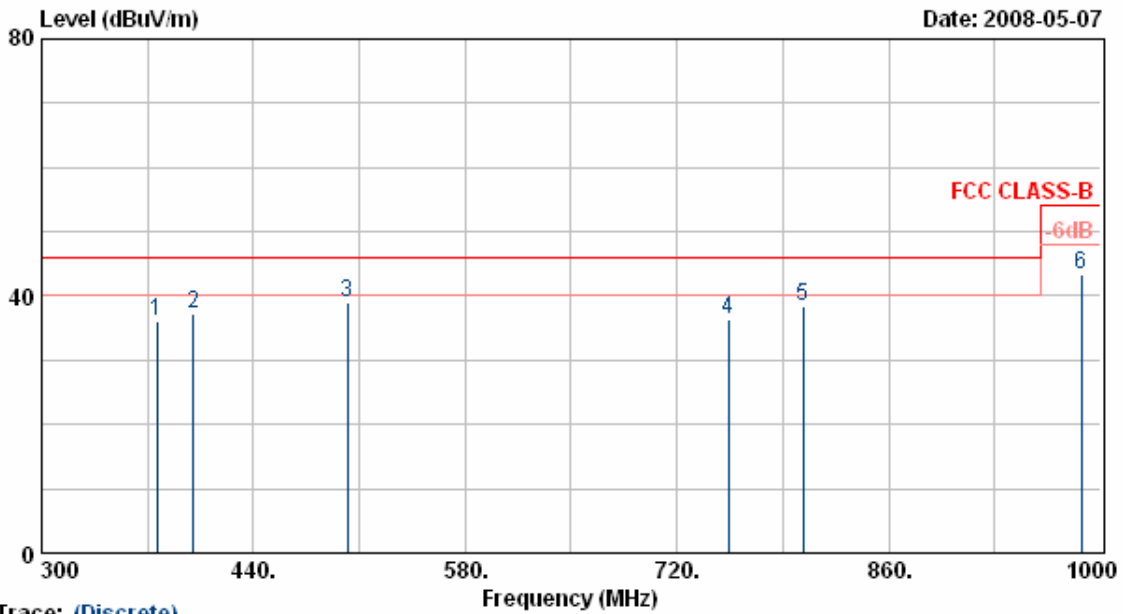
Trace: (Discrete)

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	65.50	54.82	-25.11	29.71	40.00	-10.29	Peak	200	86
2	108.25	57.82	-19.20	38.62	43.50	-4.88	QP	200	99
3	125.25	57.89	-19.56	38.33	43.50	-5.17	QP	200	99
4	200.00	53.71	-14.49	39.22	43.50	-4.28	QP	200	99
5	250.00	60.15	-17.68	42.47	46.00	-3.53	QP	200	100
6	265.68	50.66	-15.50	35.16	46.00	-10.84	Peak	200	152
7	301.50	49.00	-14.32	34.68	46.00	-11.32	Peak	200	152

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



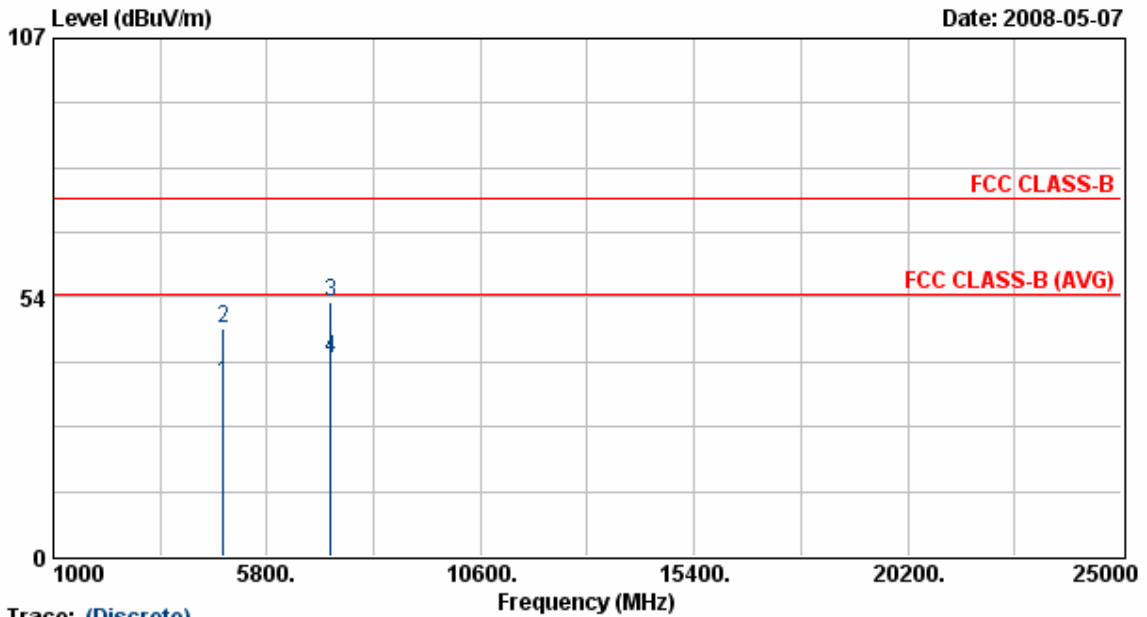
Trace: (Discrete)

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	376.30	46.82	-10.87	35.95	46.00	-10.05	Peak	200	144
2	400.03	48.45	-11.30	37.15	46.00	-8.85	Peak	200	144
3	502.30	43.96	-5.03	38.93	46.00	-7.07	Peak	200	144
4	754.30	36.62	-0.20	36.42	46.00	-9.58	Peak	200	88
5	803.30	38.63	-0.29	38.34	46.00	-7.66	Peak	200	66
6	987.40	37.58	5.81	43.39	54.00	-10.61	Peak	200	185

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 11Mbps



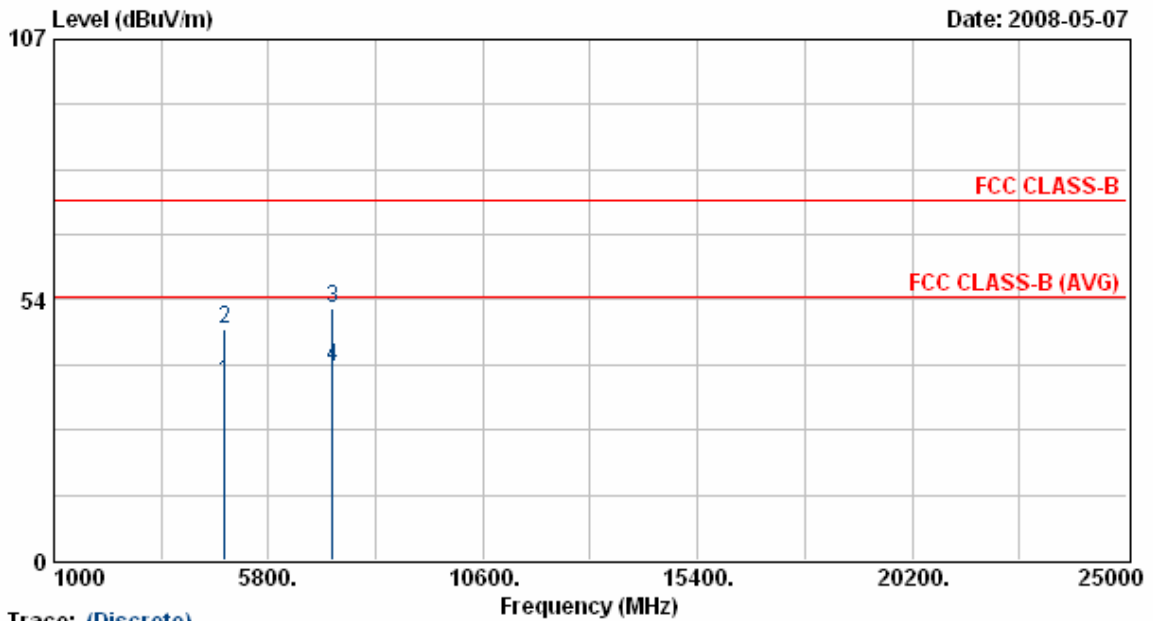
Trace: (Discrete)

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	4824.00	30.02	5.67	35.70	54.00	-18.30	Average	138	192
2	4824.00	41.30	5.67	46.97	74.00	-27.03	Peak	138	192
3	7237.63	43.22	9.15	52.37	74.00	-21.63	Peak	138	192
4	7237.63	31.70	9.15	40.85	54.00	-13.15	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 11Mbps



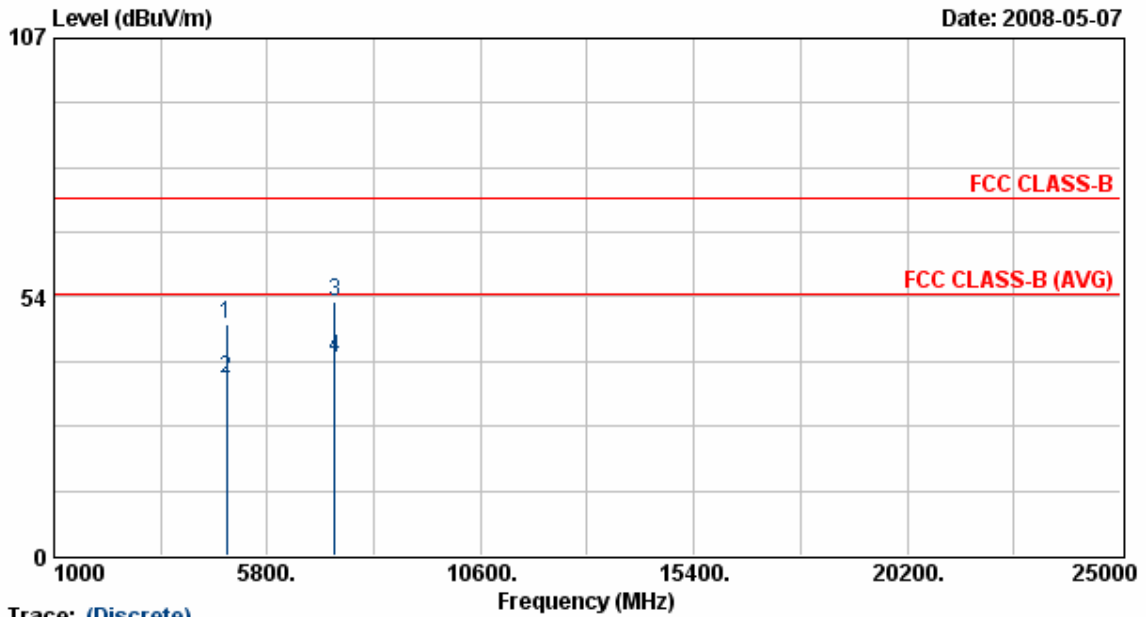
Trace: (Discrete)

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	4824.00	31.01	5.67	36.69	54.00	-17.31	Average	133	165
2	4824.00	41.65	5.67	47.33	74.00	-26.67	Peak	133	165
3	7235.63	42.54	9.14	51.68	74.00	-22.32	Peak	133	165
4	7235.63	30.50	9.14	39.64	54.00	-14.36	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 11Mbps



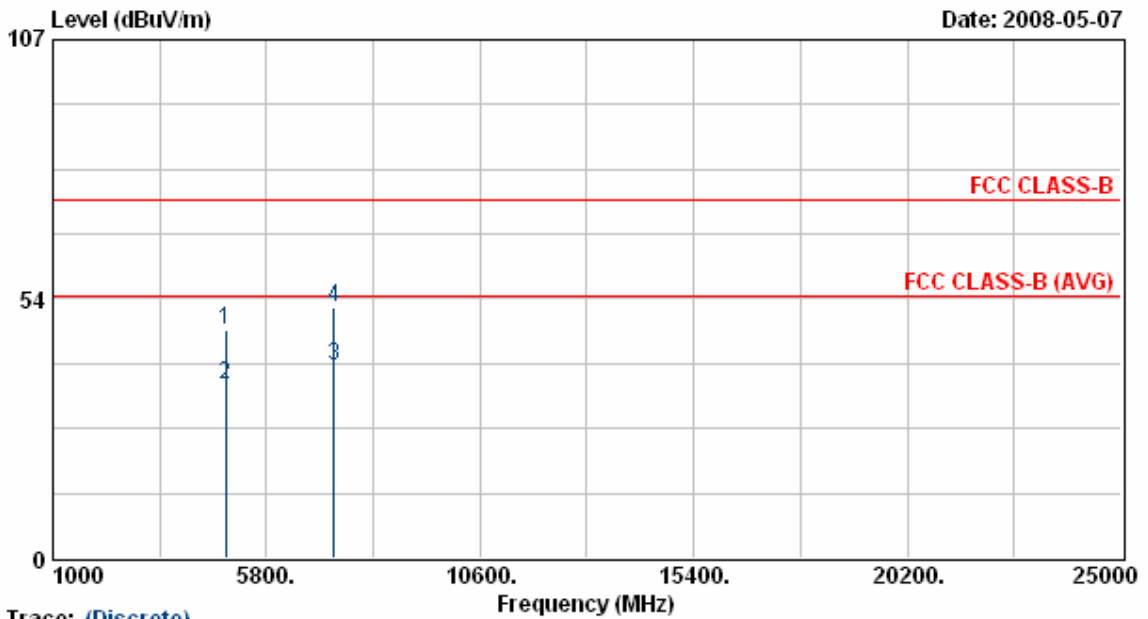
Trace: (Discrete)

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	4874.00	41.99	5.80	47.80	74.00	-26.20	Peak	138	192
2	4874.00	30.86	5.80	36.67	54.00	-17.33	Average	138	192
3	7312.75	43.23	9.48	52.71	74.00	-21.29	Peak	138	192
4	7312.75	31.22	9.48	40.70	54.00	-13.30	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 11Mbps



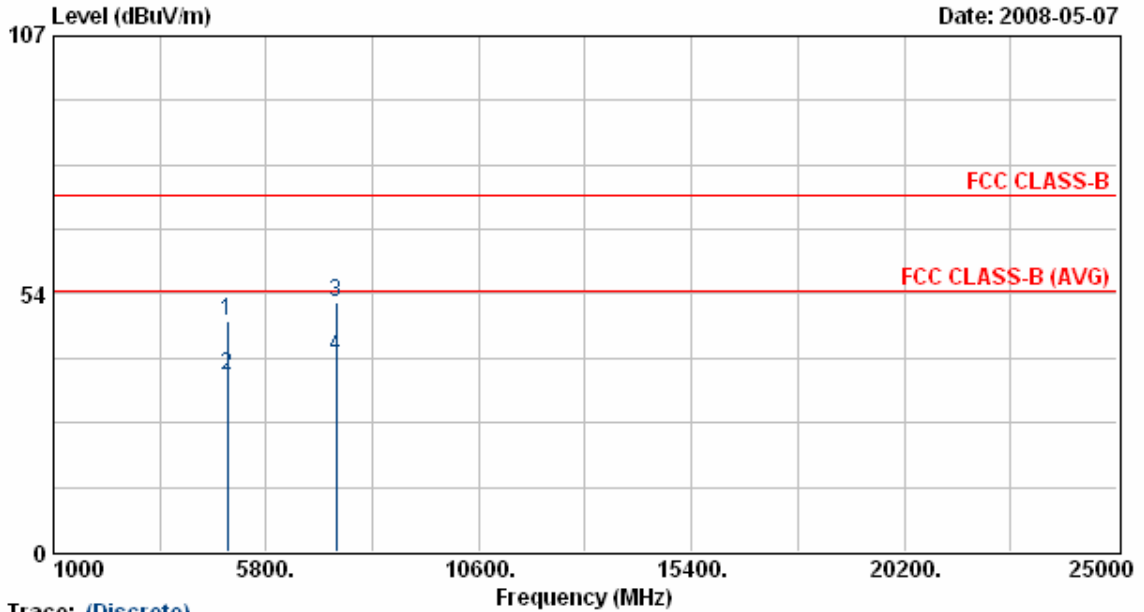
Trace: (Discrete)

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	4874.00	41.43	5.80	47.23	74.00	-26.77	Peak	133	165
2	4874.00	30.09	5.80	35.89	54.00	-18.11	Average	133	165
3	7310.38	30.36	9.47	39.83	54.00	-14.17	Average	133	165
4	7310.38	42.18	9.47	51.65	74.00	-22.35	Peak	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 11Mbps



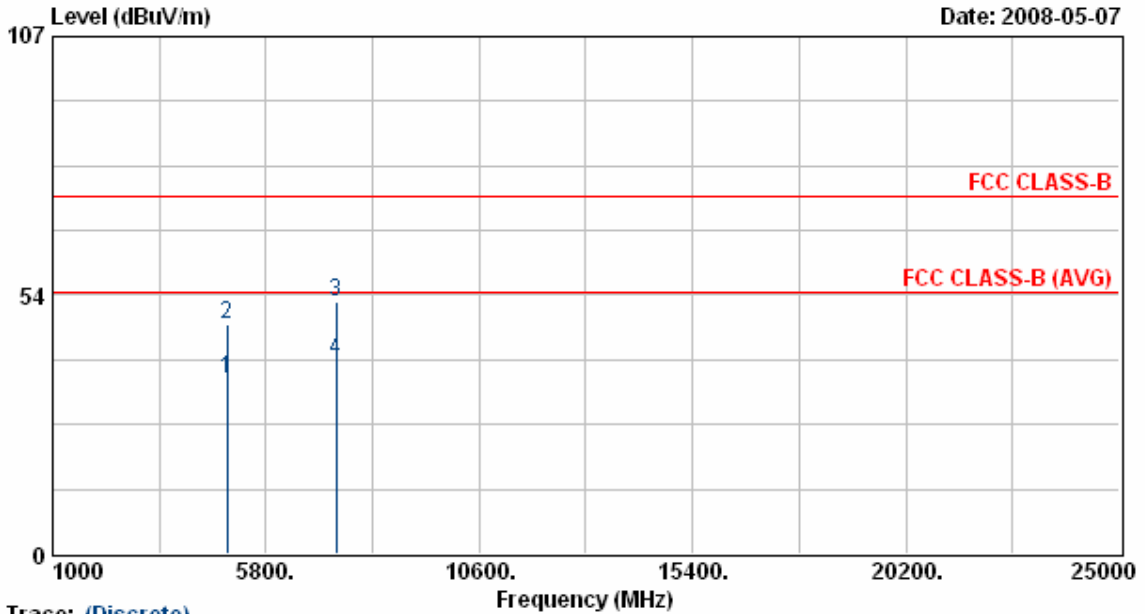
Trace: (Discrete)

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	4924.00	42.01	5.93	47.94	74.00	-26.06	Peak	138	192
2	4924.00	30.48	5.93	36.42	54.00	-17.58	Average	138	192
3	7388.38	41.90	9.81	51.71	74.00	-22.29	Peak	138	192
4	7388.38	30.75	9.81	40.56	54.00	-13.44	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 11Mbps



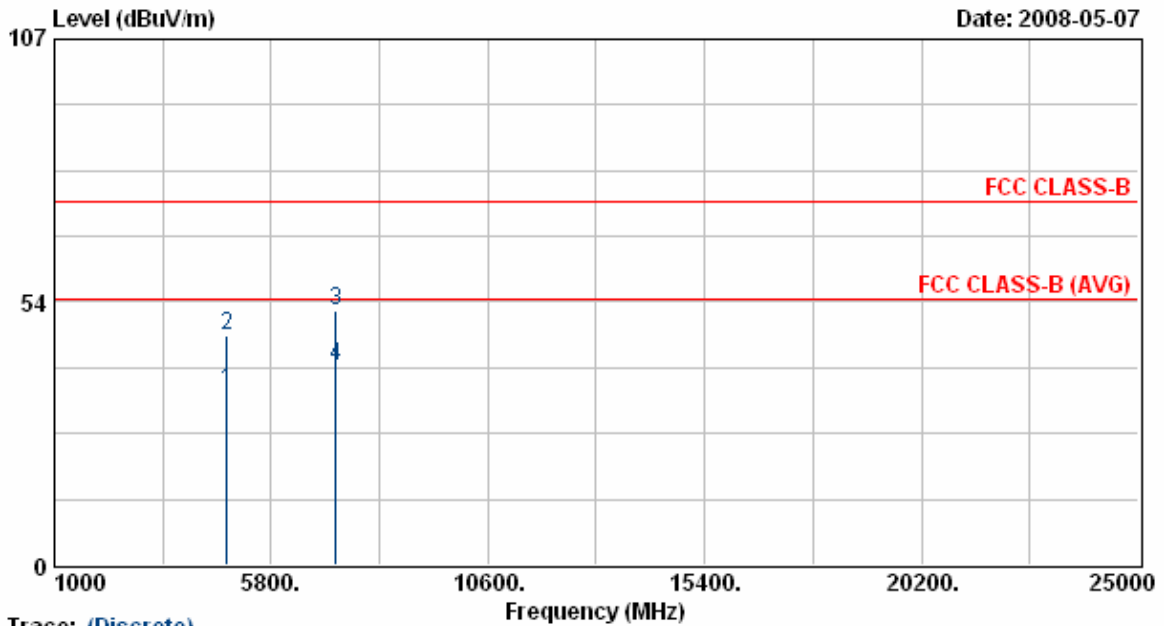
Trace: (Discrete)

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	4924.00	30.10	5.93	36.03	54.00	-17.97	Average	133	165
2	4924.00	41.44	5.93	47.38	74.00	-26.62	Peak	133	165
3	7387.00	42.17	9.81	51.98	74.00	-22.02	Peak	133	165
4	7387.00	30.35	9.81	40.15	54.00	-13.85	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



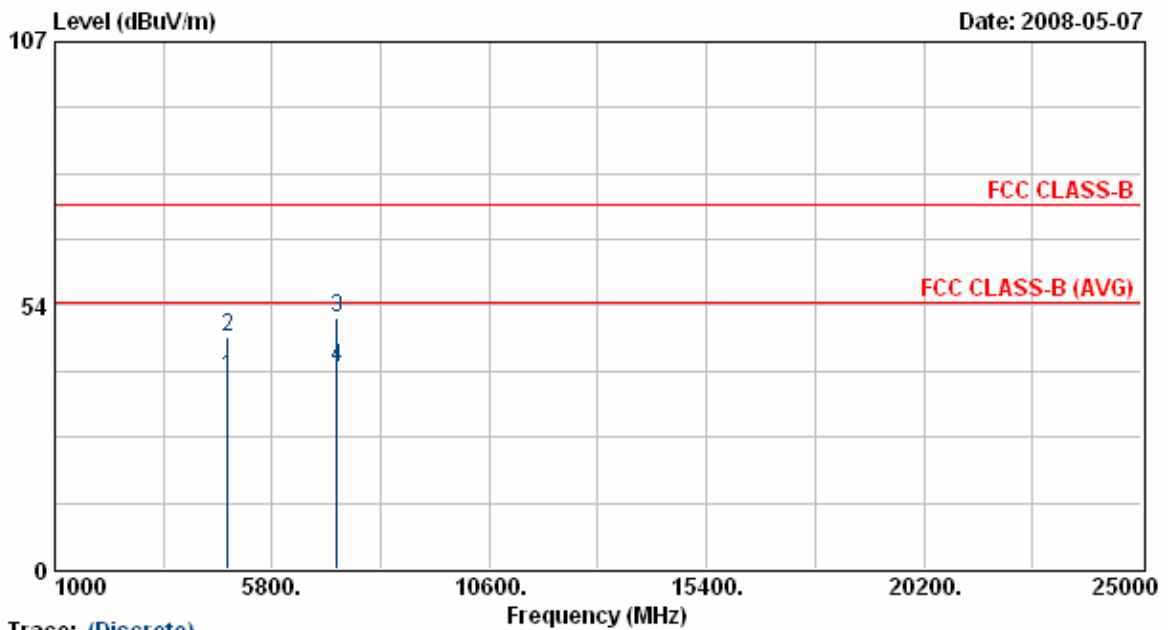
Trace: (Discrete)

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	4824.00	29.73	5.67	35.41	54.00	-18.59	Average	138	192
2	4824.00	41.13	5.67	46.80	74.00	-27.20	Peak	138	192
3	7235.38	42.63	9.14	51.77	74.00	-22.23	Peak	138	192
4	7235.38	31.16	9.14	40.30	54.00	-13.70	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



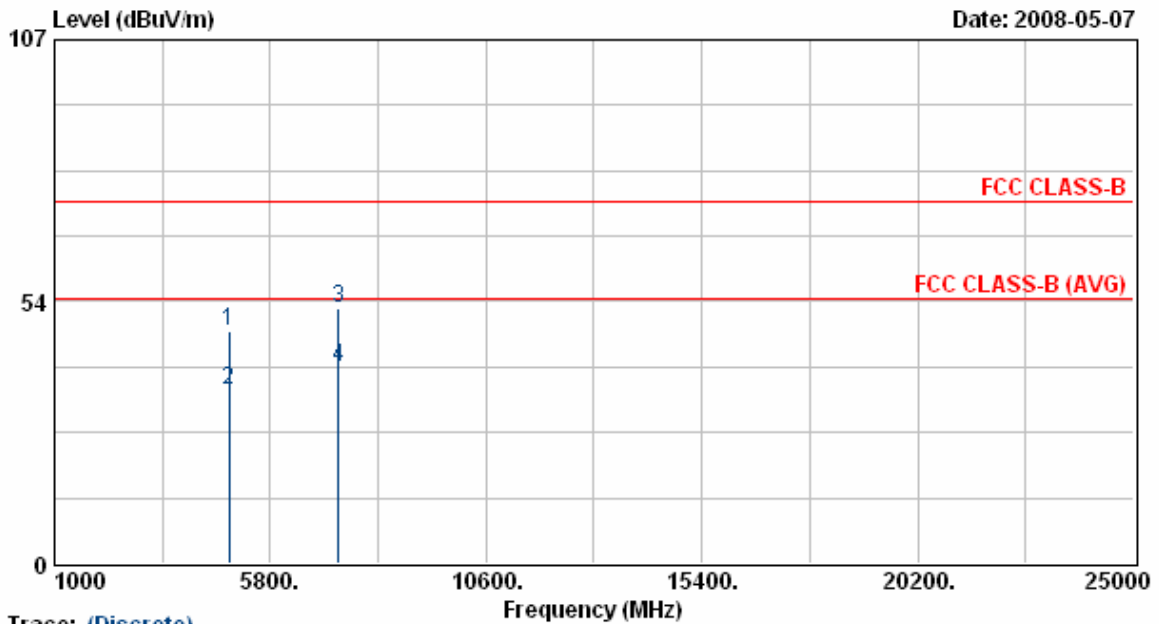
Trace: (Discrete)

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	4824.13	33.41	5.67	39.08	54.00	-14.92	Average	133	165
2	4824.13	41.32	5.67	46.99	74.00	-27.01	Peak	133	165
3	7235.88	41.72	9.14	50.86	74.00	-23.14	Peak	133	165
4	7235.88	31.61	9.14	40.75	54.00	-13.25	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



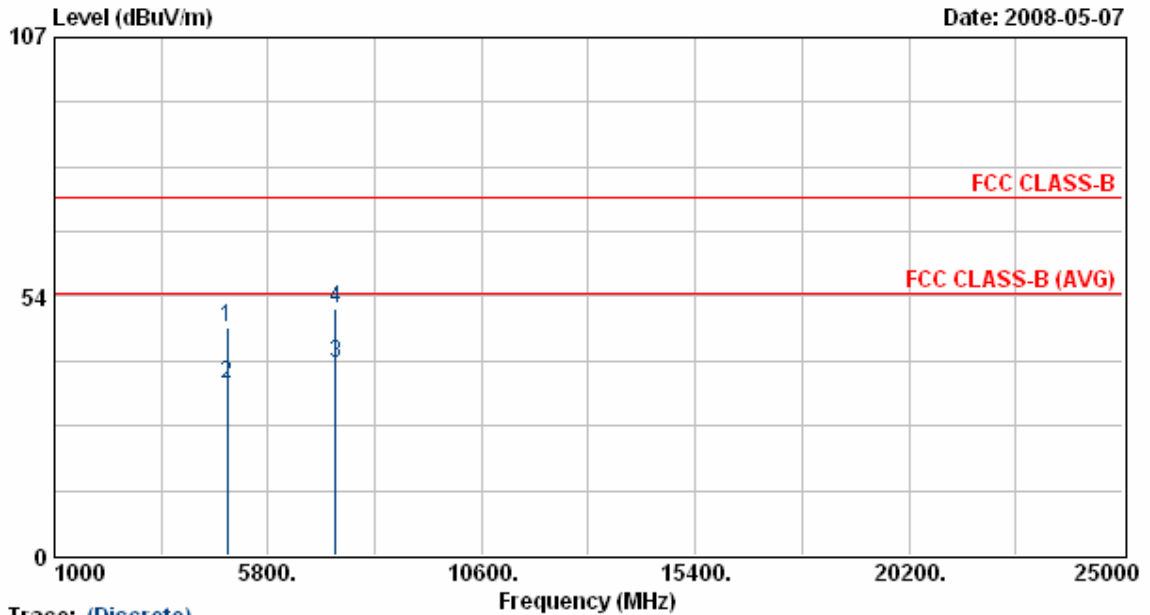
Trace: (Discrete)

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	4874.25	41.57	5.80	47.37	74.00	-26.63	Peak	138	192
2	4874.25	29.73	5.80	35.53	54.00	-18.47	Average	138	192
3	7311.00	42.77	9.47	52.24	74.00	-21.76	Peak	138	192
4	7311.00	30.67	9.47	40.14	54.00	-13.86	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



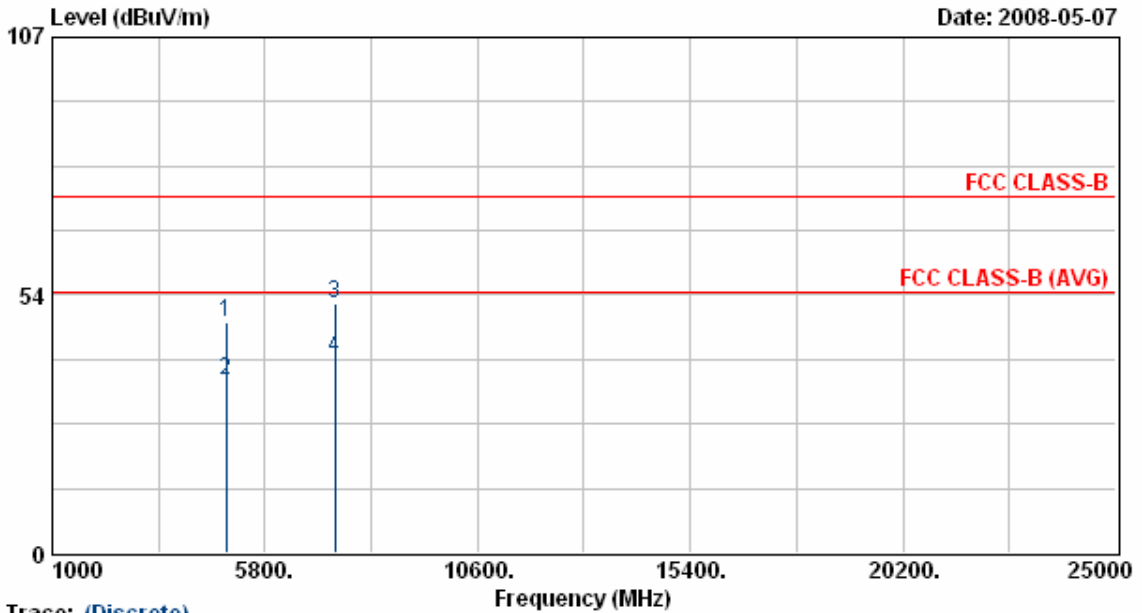
Trace: (Discrete)

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	4873.63	41.34	5.80	47.14	74.00	-26.86	Peak	133	165
2	4873.63	29.71	5.80	35.52	54.00	-18.48	Average	133	165
3	7309.88	30.28	9.47	39.74	54.00	-14.26	Average	133	165
4	7309.88	41.47	9.47	50.93	74.00	-23.07	Peak	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



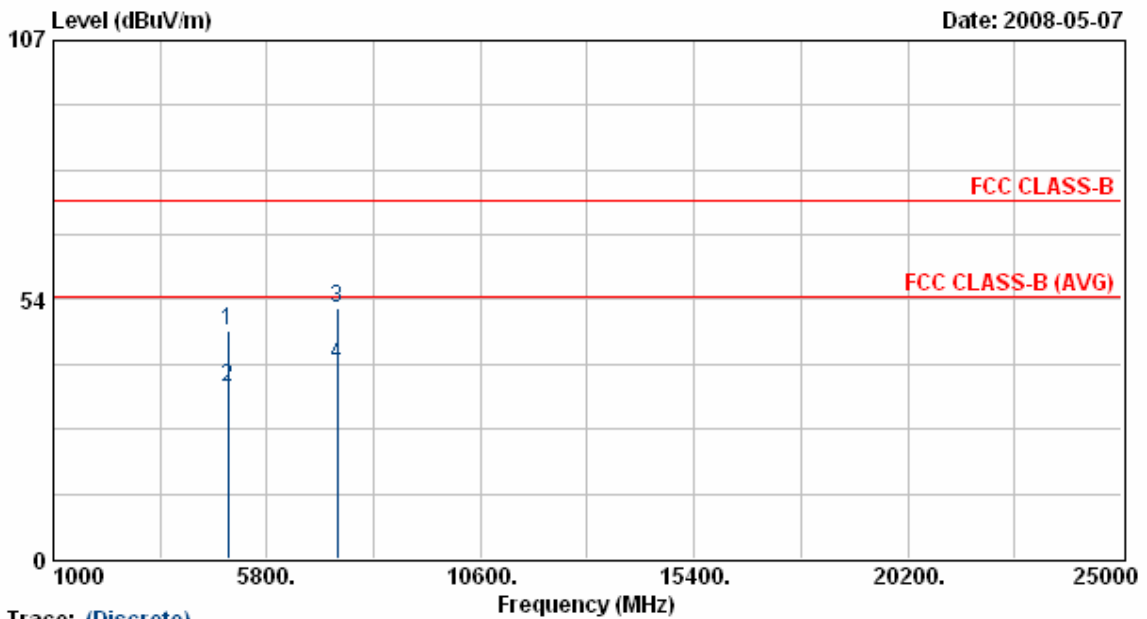
Trace: (Discrete)

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	4924.63	41.74	5.93	47.67	74.00	-26.33	Peak	138	192
2	4924.63	29.69	5.93	35.62	54.00	-18.38	Average	138	192
3	7385.88	42.05	9.80	51.85	74.00	-22.15	Peak	138	192
4	7385.88	30.54	9.80	40.34	54.00	-13.66	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22°C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6Mbps



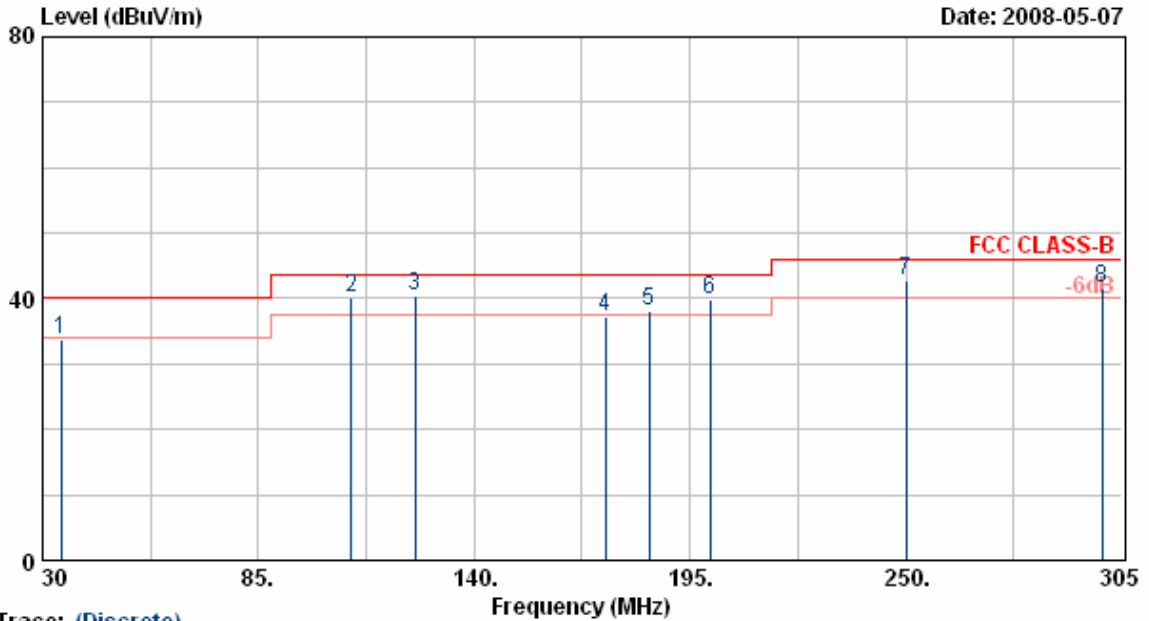
Trace: (Discrete)

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	4923.88	40.99	5.93	46.92	74.00	-27.08	Peak	133	165
2	4923.88	29.64	5.93	35.58	54.00	-18.42	Average	133	165
3	7386.00	41.86	9.80	51.66	74.00	-22.34	Peak	133	165
4	7386.00	30.23	9.80	40.03	54.00	-13.97	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



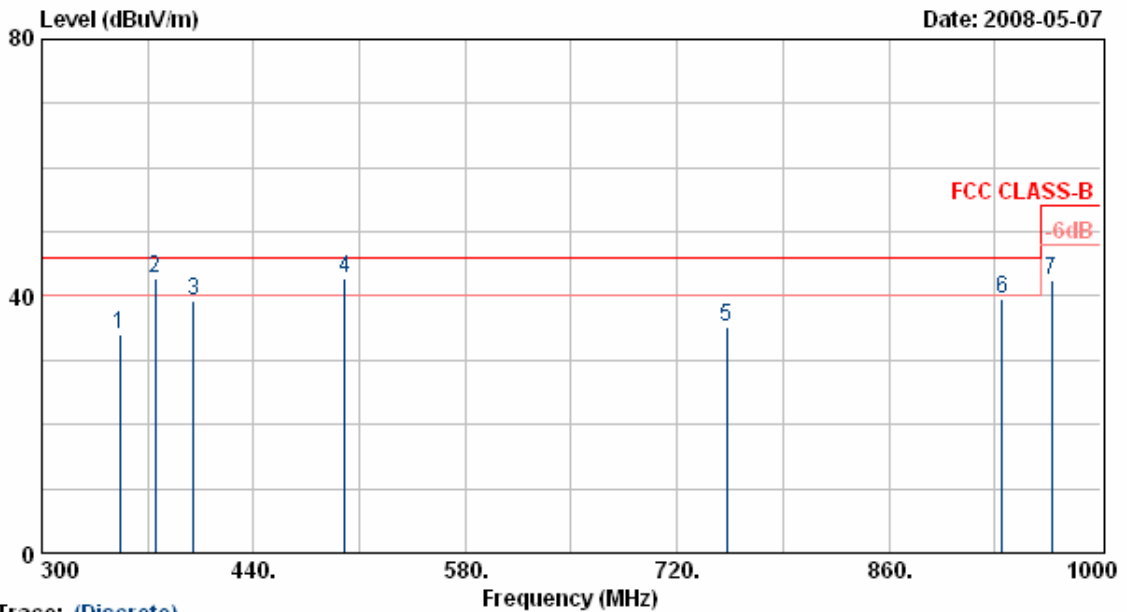
Trace: (Discrete)

Item	Freq MHz	Read Value dBuV/m	Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark	Ant Pos cm	Tab Pos Deg
1	34.67	41.88	-8.08	33.80	40.00	-6.20	Peak	100	52
2	108.80	53.50	-13.49	40.01	43.50	-3.49	QP	100	52
3	125.01	53.74	-13.29	40.45	43.50	-3.05	QP	100	85
4	173.55	47.82	-10.51	37.31	43.50	-6.19	Peak	100	85
5	184.60	47.63	-9.51	38.12	43.50	-5.38	QP	100	152
6	200.00	51.62	-11.75	39.87	43.50	-3.63	QP	100	0
7	250.00	55.78	-13.04	42.74	46.00	-3.26	QP	100	0
8	300.00	51.17	-9.50	41.67	46.00	-4.33	QP	100	50

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



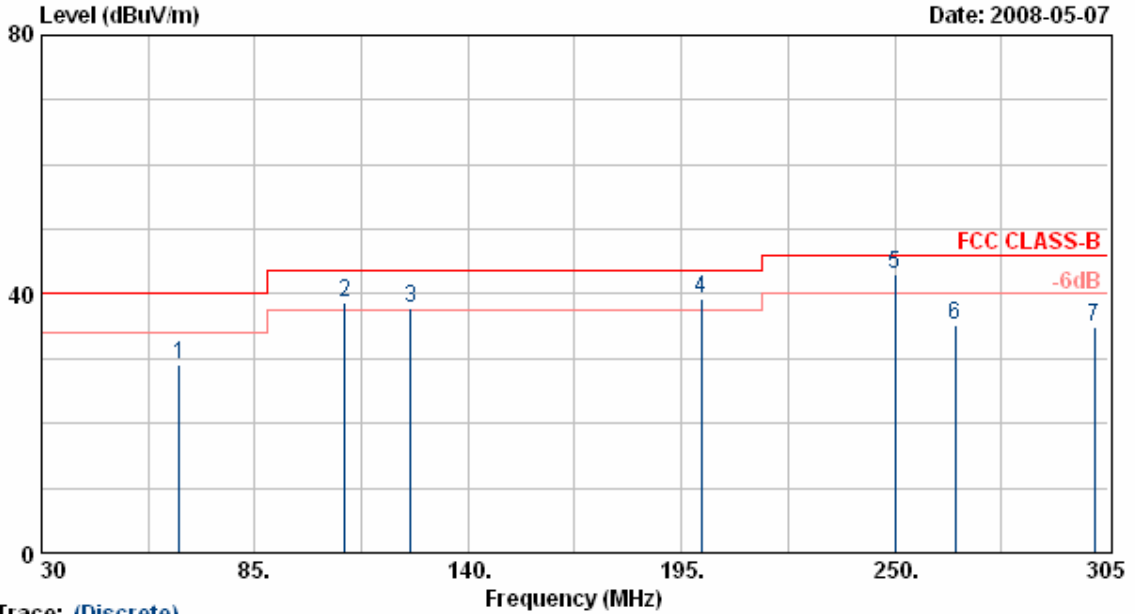
Trace: (Discrete)

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	351.80	44.66	-10.65	34.01	46.00	-11.99	Peak	100	88
2	375.00	51.47	-8.84	42.63	46.00	-3.37	QP	100	52
3	400.00	48.23	-8.86	39.37	46.00	-6.63	Peak	100	112
4	500.05	47.73	-4.86	42.87	46.00	-3.13	QP	100	89
5	752.90	34.71	0.38	35.09	46.00	-10.91	Peak	100	89
6	934.90	40.61	-1.06	39.55	46.00	-6.45	Peak	100	188
7	967.80	39.32	3.25	42.57	54.00	-11.43	Peak	100	188

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



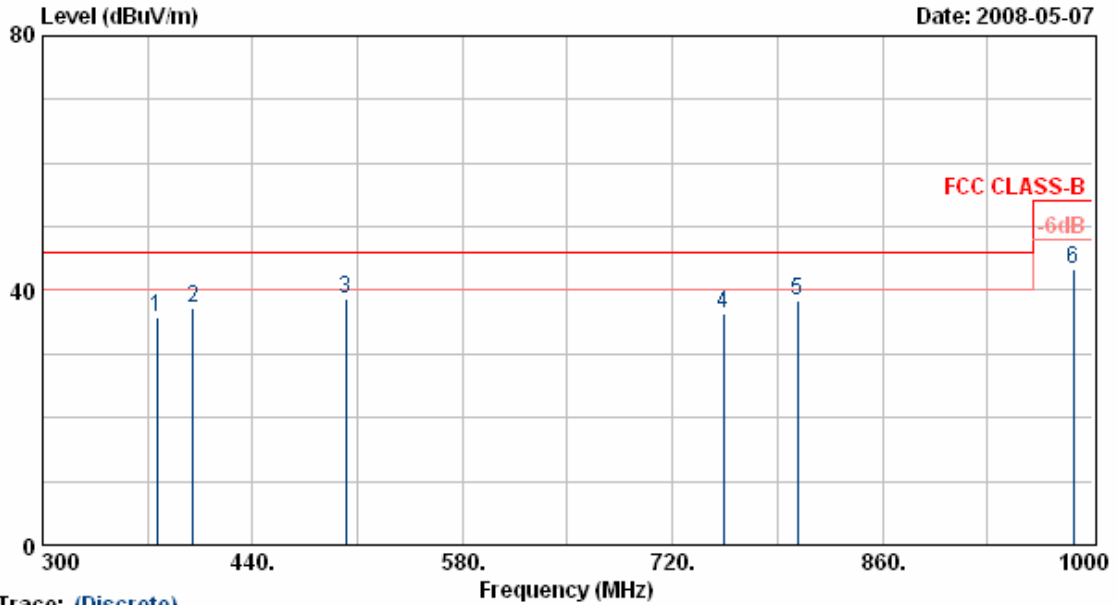
Trace: (Discrete)

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	65.50	54.26	-25.11	29.15	40.00	-10.85	Peak	200	86
2	108.25	57.82	-19.20	38.62	43.50	-4.88	QP	200	99
3	125.25	57.44	-19.56	37.88	43.50	-5.62	QP	200	99
4	200.00	53.71	-14.49	39.22	43.50	-4.28	QP	200	99
5	250.00	60.66	-17.68	42.98	46.00	-3.02	QP	200	100
6	265.68	50.66	-15.50	35.16	46.00	-10.84	Peak	200	152
7	301.50	49.10	-14.32	34.78	46.00	-11.22	Peak	200	152

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



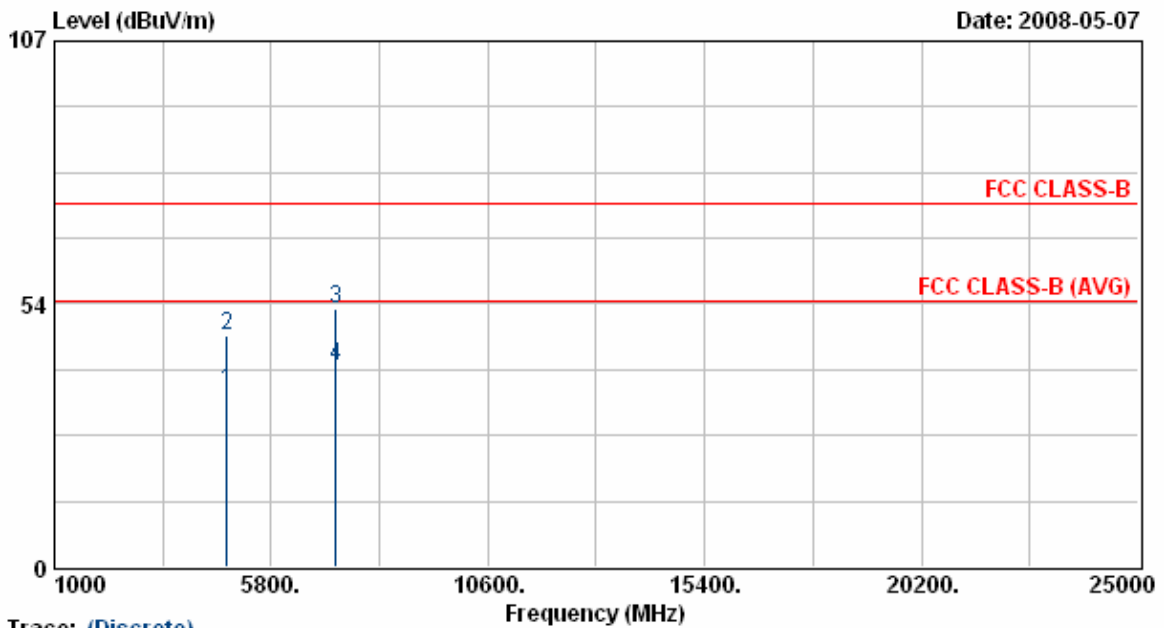
Trace: (Discrete)

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	376.30	46.63	-10.87	35.76	46.00	-10.24	Peak	200	144
2	400.03	48.45	-11.30	37.15	46.00	-8.85	Peak	200	144
3	502.30	43.78	-5.03	38.75	46.00	-7.25	Peak	200	144
4	754.30	36.62	-0.20	36.42	46.00	-9.58	Peak	200	88
5	803.30	38.69	-0.29	38.40	46.00	-7.60	Peak	200	66
6	987.40	37.58	5.81	43.39	54.00	-10.61	Peak	200	185

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



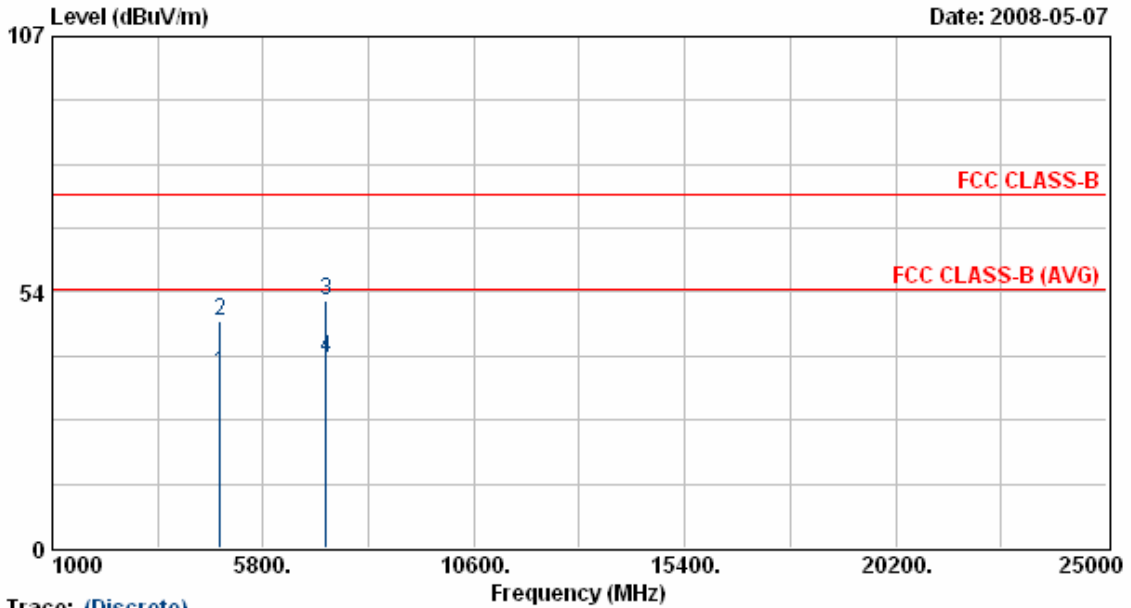
Trace: (Discrete)

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	4824.00	30.02	5.67	35.70	54.00	-18.30	Average	138	192
2	4824.00	41.30	5.67	46.97	74.00	-27.03	Peak	138	192
3	7237.63	43.22	9.15	52.37	74.00	-21.63	Peak	138	192
4	7237.63	31.70	9.15	40.85	54.00	-13.15	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 1	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



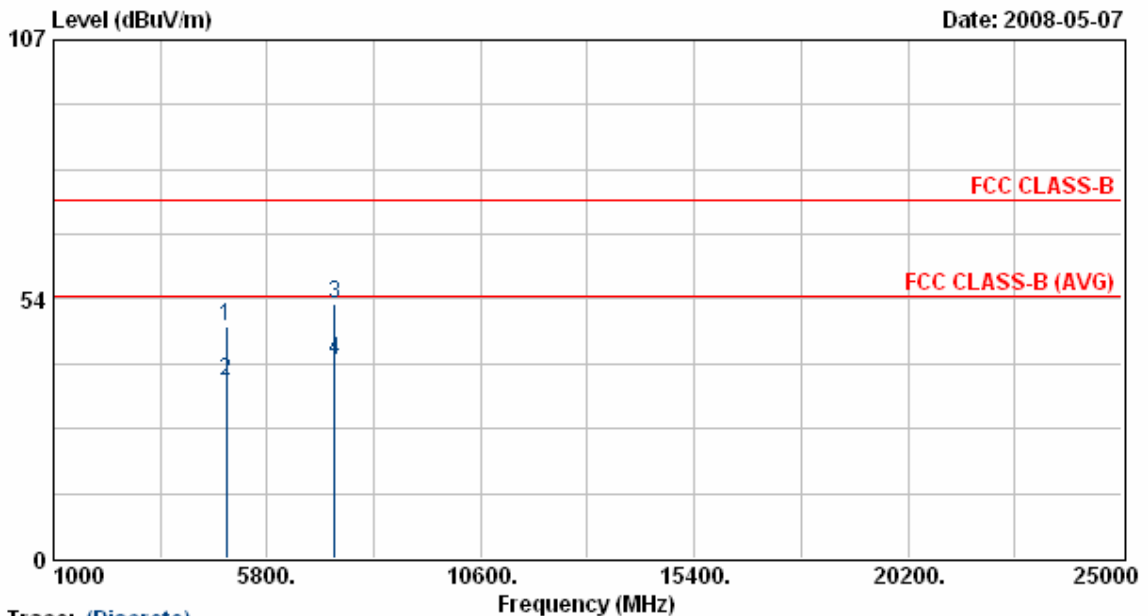
Trace: (Discrete)

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	4824.00	31.01	5.67	36.69	54.00	-17.31	Average	133	165
2	4824.00	41.65	5.67	47.33	74.00	-26.67	Peak	133	165
3	7235.63	42.54	9.14	51.68	74.00	-22.32	Peak	133	165
4	7235.63	30.50	9.14	39.64	54.00	-14.36	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



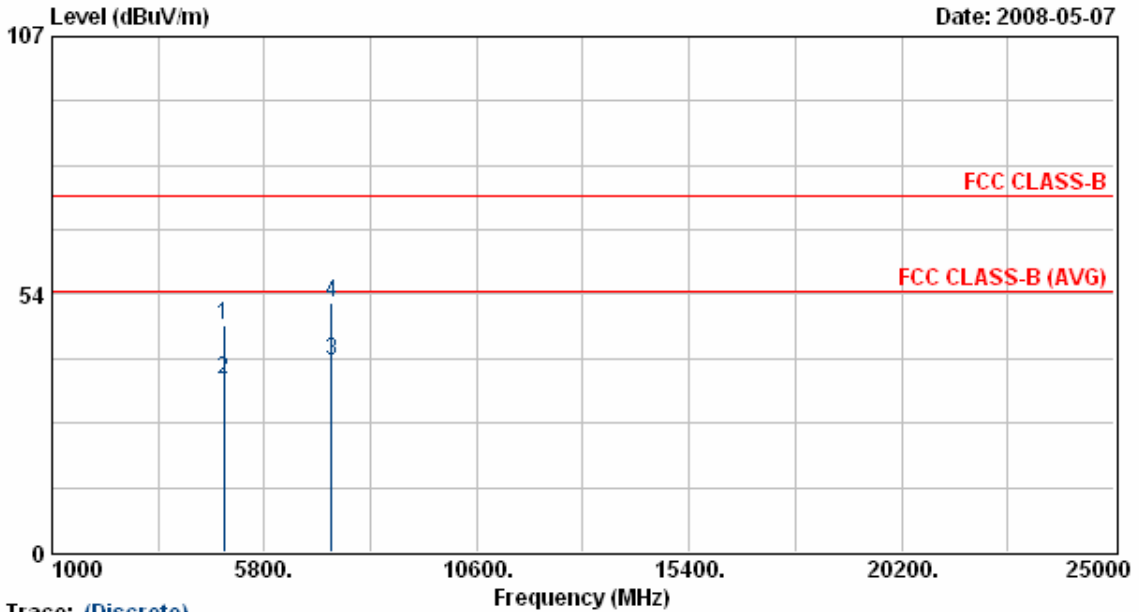
Trace: (Discrete)

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	4874.00	41.99	5.80	47.80	74.00	-26.20	Peak	138	192
2	4874.00	30.86	5.80	36.67	54.00	-17.33	Average	138	192
3	7312.75	43.23	9.48	52.71	74.00	-21.29	Peak	138	192
4	7312.75	31.22	9.48	40.70	54.00	-13.30	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



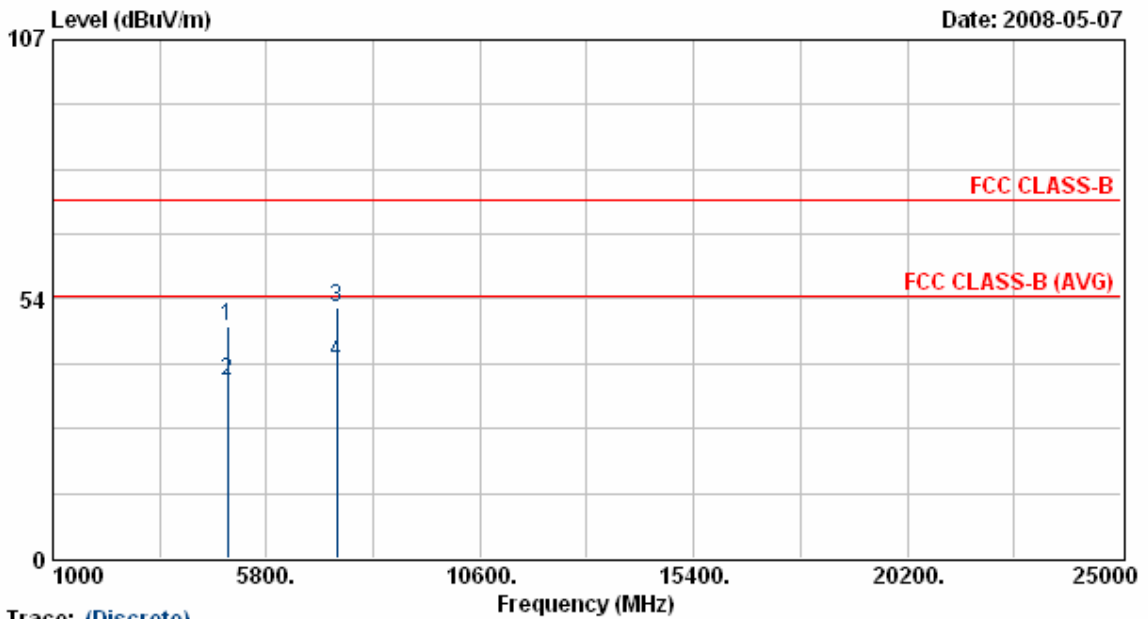
Trace: (Discrete)

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	4874.00	41.43	5.80	47.23	74.00	-26.77	Peak	133	165
2	4874.00	30.09	5.80	35.89	54.00	-18.11	Average	133	165
3	7310.38	30.36	9.47	39.83	54.00	-14.17	Average	133	165
4	7310.38	42.18	9.47	51.65	74.00	-22.35	Peak	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



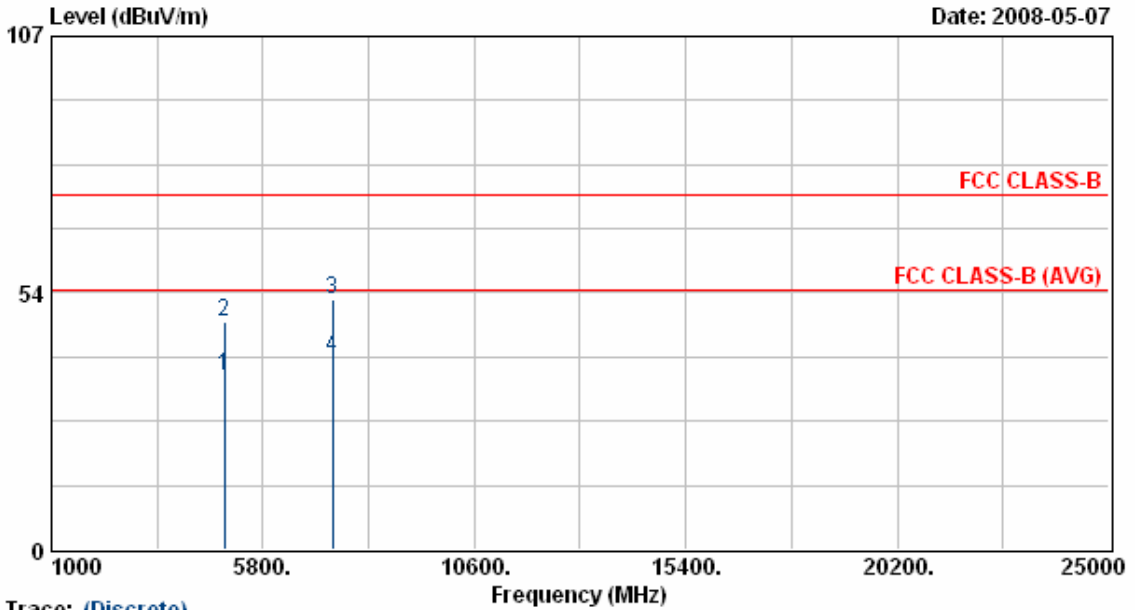
Trace: (Discrete)

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	4924.00	42.01	5.93	47.94	74.00	-26.06	Peak	138	192
2	4924.00	30.48	5.93	36.42	54.00	-17.58	Average	138	192
3	7388.38	41.90	9.81	51.71	74.00	-22.29	Peak	138	192
4	7388.38	30.75	9.81	40.56	54.00	-13.44	Average	138	192

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 5	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 11	Humidity	: 70 %
Modulation Type	: 802.11n, HT20	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 6.5Mbps



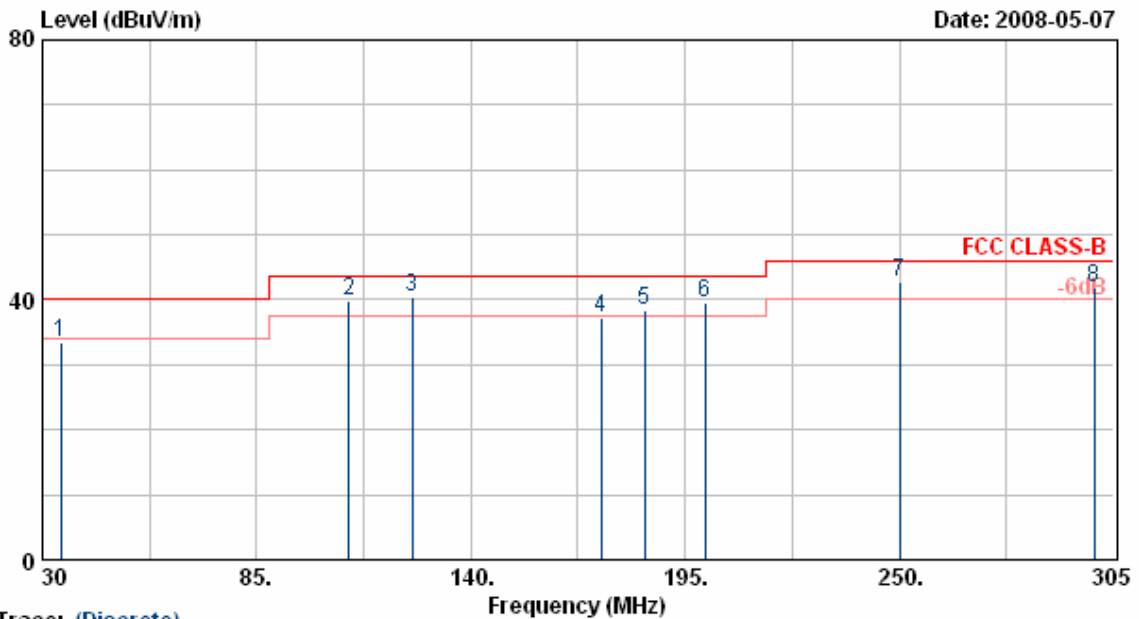
Trace: (Discrete)

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	4924.00	30.10	5.93	36.03	54.00	-17.97	Average	133	165
2	4924.00	41.44	5.93	47.38	74.00	-26.62	Peak	133	165
3	7387.00	42.17	9.81	51.98	74.00	-22.02	Peak	133	165
4	7387.00	30.35	9.81	40.15	54.00	-13.85	Average	133	165

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



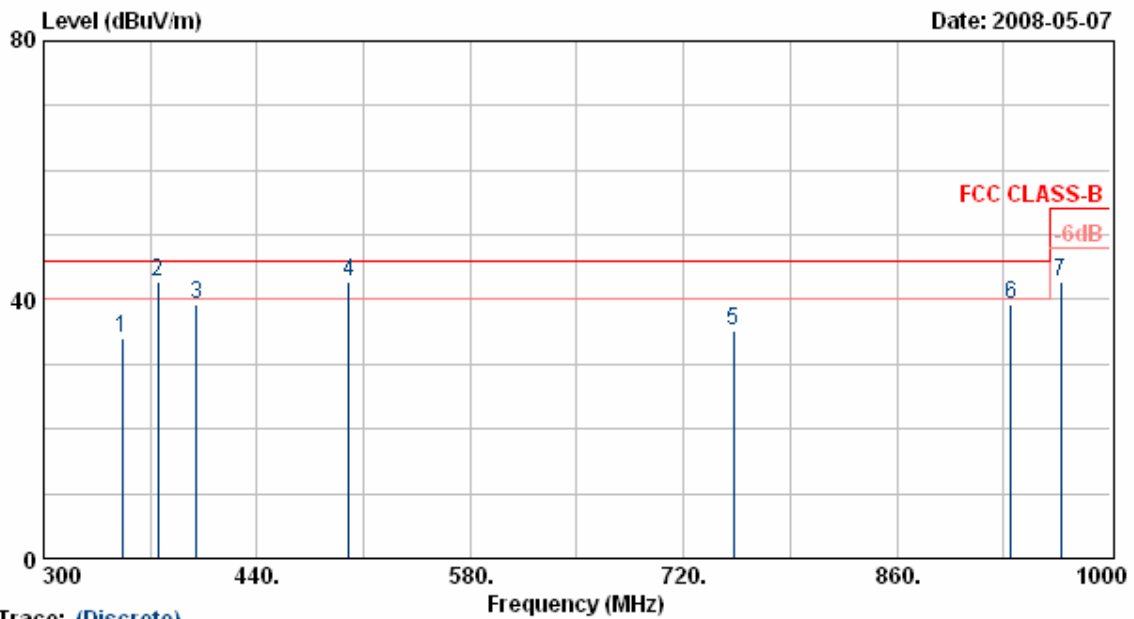
Trace: (Discrete)

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	34.67	41.50	-8.08	33.42	40.00	-6.58	Peak	100	52
2	108.80	53.32	-13.49	39.83	43.50	-3.67	QP	100	52
3	125.01	53.63	-13.29	40.34	43.50	-3.16	QP	100	85
4	173.55	47.88	-10.51	37.37	43.50	-6.13	Peak	100	85
5	184.60	47.88	-9.51	38.37	43.50	-5.13	QP	100	152
6	200.00	51.43	-11.75	39.68	43.50	-3.82	QP	100	0
7	250.00	55.70	-13.04	42.66	46.00	-3.34	QP	100	0
8	300.00	51.30	-9.50	41.80	46.00	-4.20	QP	100	50

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



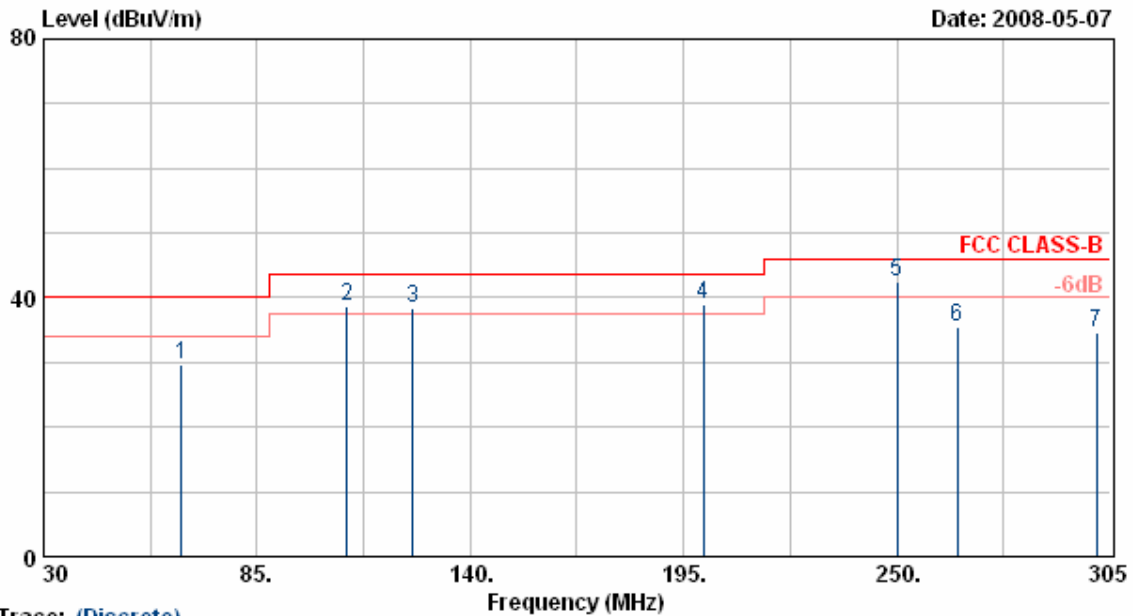
Trace: (Discrete)

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	351.80	44.82	-10.65	34.17	46.00	-11.83	Peak	100	88
2	375.00	51.63	-8.84	42.79	46.00	-3.21	QP	100	52
3	400.00	48.20	-8.86	39.34	46.00	-6.66	Peak	100	112
4	500.05	47.70	-4.86	42.84	46.00	-3.16	QP	100	89
5	752.90	34.82	0.38	35.20	46.00	-10.80	Peak	100	89
6	934.90	40.22	-1.06	39.16	46.00	-6.84	Peak	100	188
7	967.80	39.66	3.25	42.91	54.00	-11.09	Peak	100	188

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



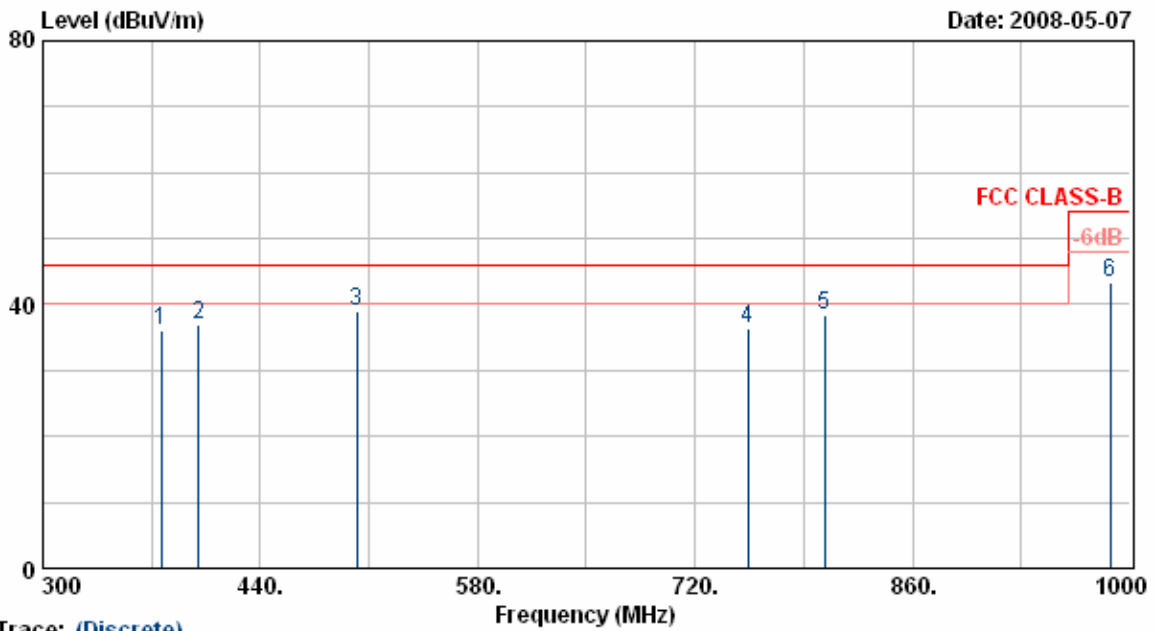
Trace: (Discrete)

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	65.50	54.82	-25.11	29.71	40.00	-10.29	Peak	200	86
2	108.25	57.89	-19.20	38.69	43.50	-4.81	QP	200	99
3	125.25	57.94	-19.56	38.38	43.50	-5.12	QP	200	99
4	200.00	53.42	-14.49	38.93	43.50	-4.57	QP	200	99
5	250.00	60.15	-17.68	42.47	46.00	-3.53	QP	200	100
6	265.68	50.85	-15.50	35.35	46.00	-10.65	Peak	200	152
7	301.50	49.00	-14.32	34.68	46.00	-11.32	Peak	200	152

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



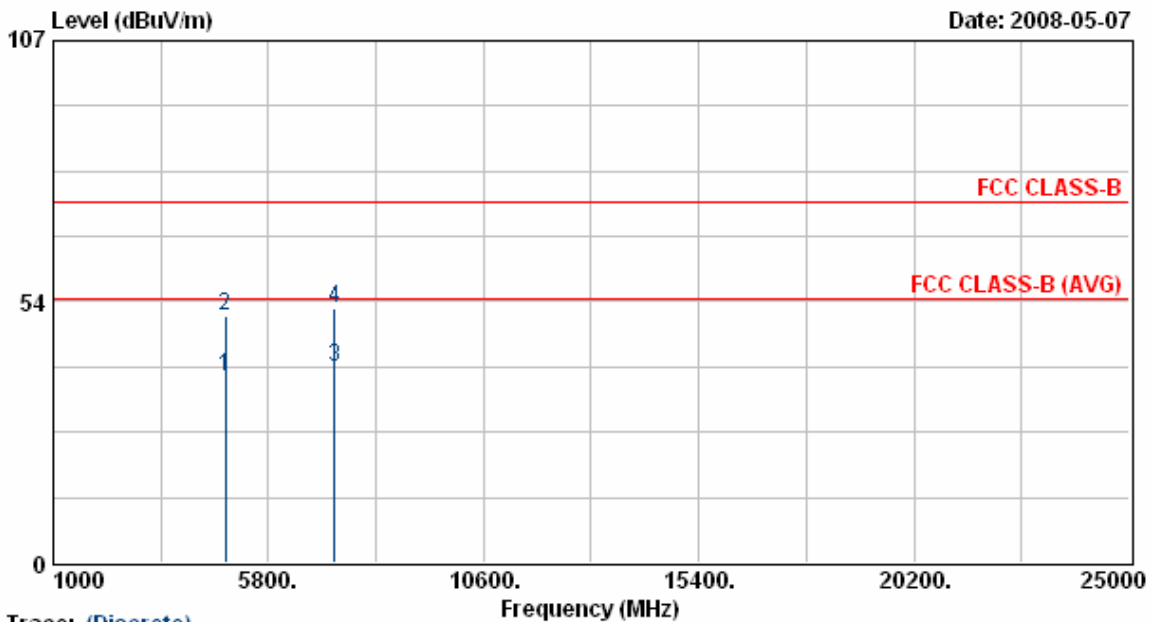
Trace: (Discrete)

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	376.30	46.82	-10.87	35.95	46.00	-10.05	Peak	200	144
2	400.03	48.33	-11.30	37.03	46.00	-8.97	Peak	200	144
3	502.30	43.96	-5.03	38.93	46.00	-7.07	Peak	200	144
4	754.30	36.69	-0.20	36.49	46.00	-9.51	Peak	200	88
5	803.30	38.63	-0.29	38.34	46.00	-7.66	Peak	200	66
6	987.40	37.48	5.81	43.29	54.00	-10.71	Peak	200	185

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



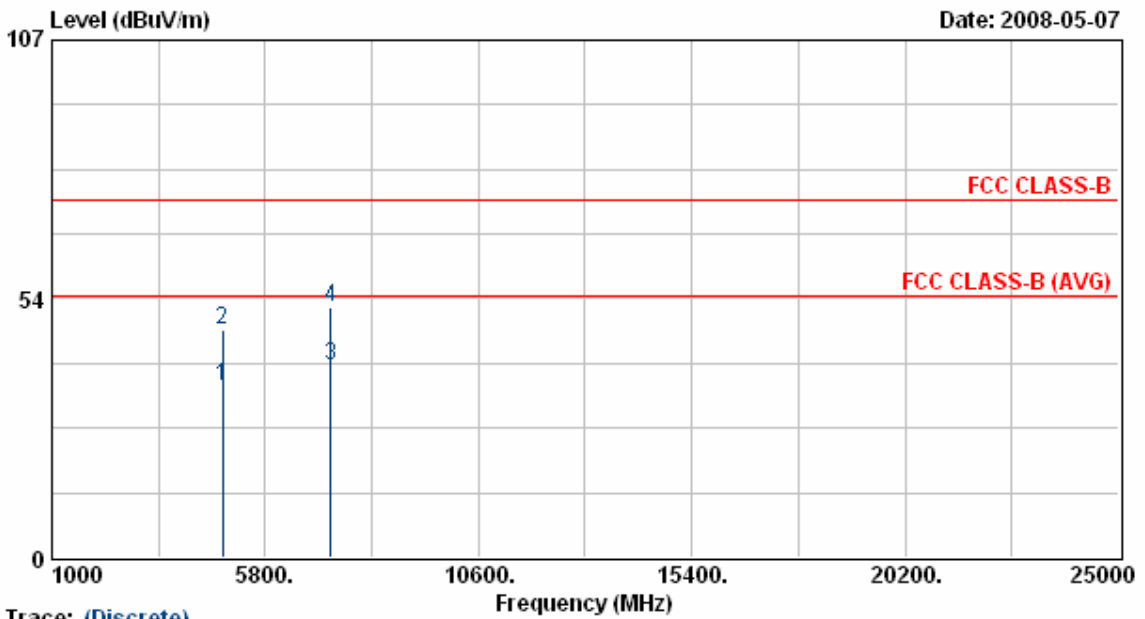
Trace: (Discrete)

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	4843.50	32.44	5.72	38.16	54.00	-15.84	Average	119	119
2	4843.50	44.74	5.72	50.46	74.00	-23.54	Peak	119	119
3	7266.38	30.97	9.28	40.24	54.00	-13.76	Average	119	119
4	7266.38	42.96	9.28	52.24	74.00	-21.76	Peak	119	119

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 3	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



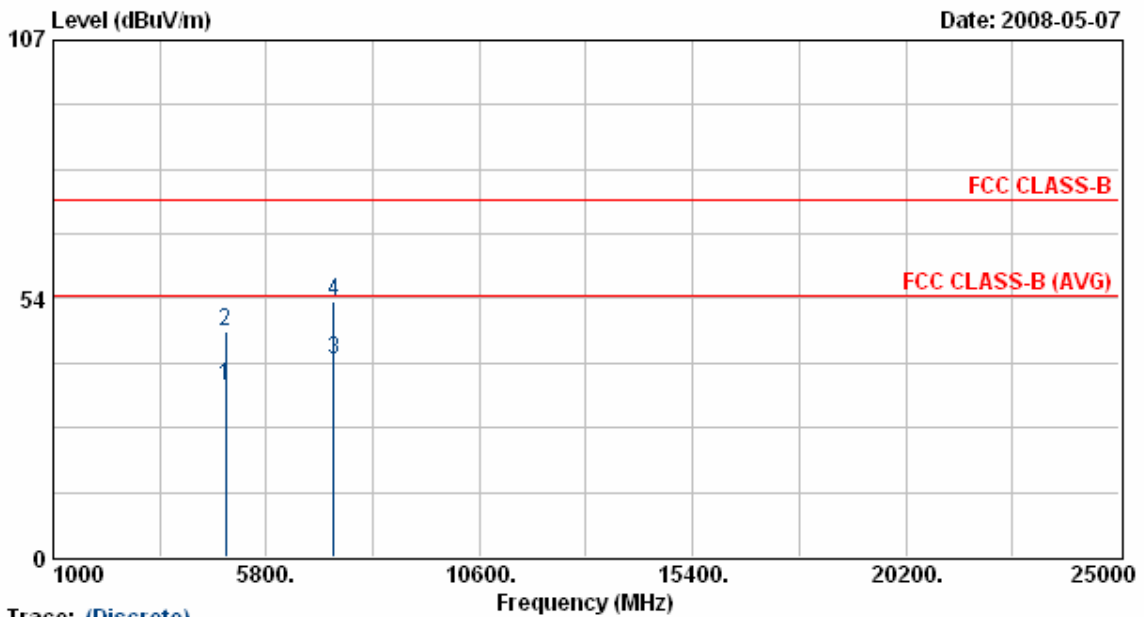
Trace: (Discrete)

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	4843.13	29.67	5.72	35.39	54.00	-18.61	Average	114	211
2	4843.13	41.51	5.72	47.23	74.00	-26.77	Peak	114	211
3	7266.88	30.53	9.28	39.80	54.00	-14.20	Average	114	211
4	7266.88	42.54	9.28	51.82	74.00	-22.18	Peak	114	211

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



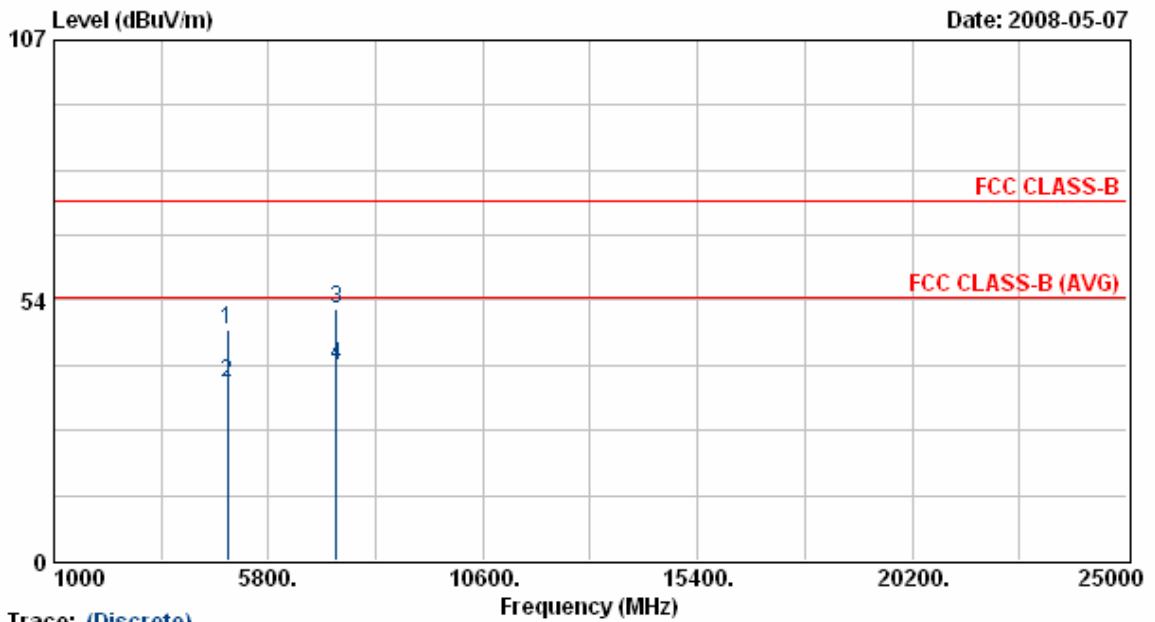
Trace: (Discrete)

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	4873.88	29.52	5.80	35.32	54.00	-18.68	Average	115	200
2	4873.88	40.74	5.80	46.54	74.00	-27.46	Peak	115	200
3	7309.75	31.33	9.47	40.80	54.00	-13.20	Average	115	200
4	7309.75	43.47	9.47	52.93	74.00	-21.07	Peak	115	200

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	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 6	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



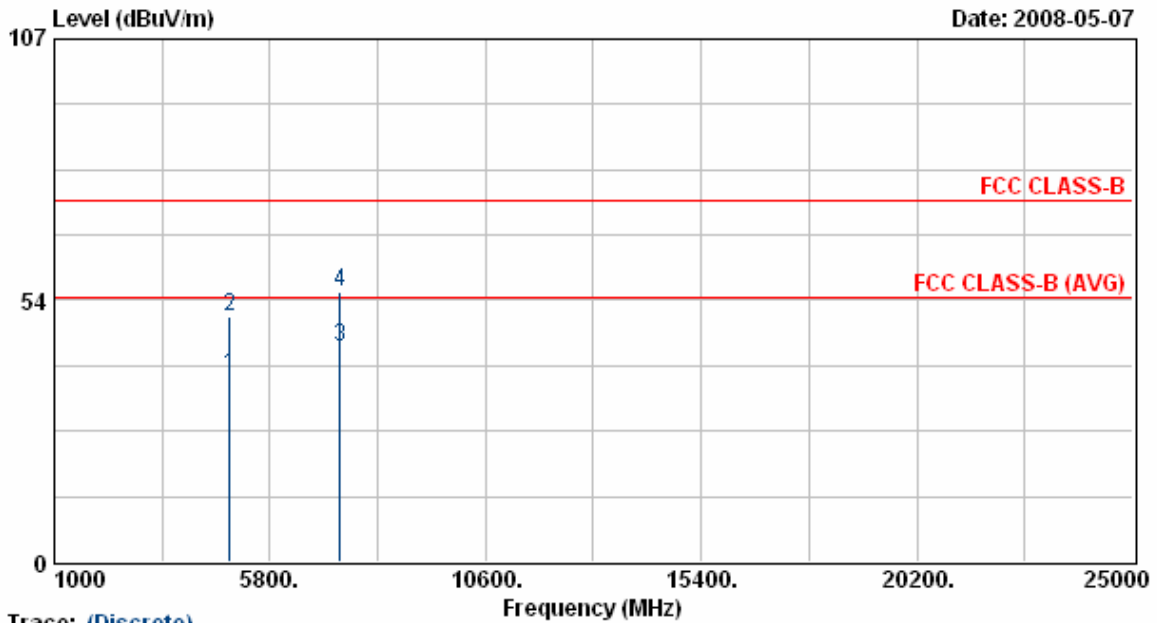
Trace: (Discrete)

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	4873.88	41.82	5.80	47.62	74.00	-26.38	Peak	114	210
2	4873.88	30.87	5.80	36.67	54.00	-17.33	Average	114	210
3	7311.38	42.21	9.47	51.68	74.00	-22.32	Peak	114	210
4	7311.38	30.42	9.47	39.89	54.00	-14.11	Average	114	210

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 9	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



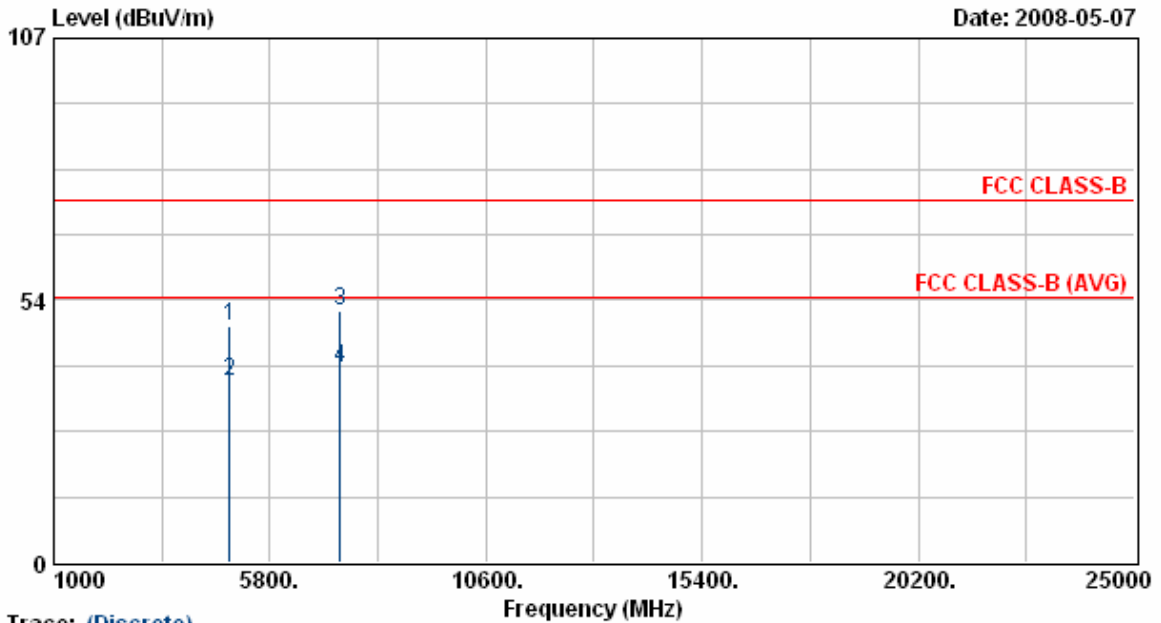
Trace: (Discrete)

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	4904.63	32.39	5.88	38.27	54.00	-15.73	Average	136	135
2	4904.63	44.18	5.88	50.06	74.00	-23.94	Peak	136	135
3	7356.00	34.22	9.67	43.89	54.00	-10.11	Average	136	135
4	7356.00	45.42	9.67	55.09	74.00	-18.91	Peak	136	135

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	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 6	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 9	Humidity	: 70 %
Modulation Type	: 802.11n, HT40	Atmospheric Pressure	: 1010 hPa
Memo	: MT12-Y120100-A1	Rate	: 13.5Mbps



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	4904.13	42.31	5.88	48.19	74.00	-25.81	Peak	118	212
2	4904.13	30.91	5.88	36.79	54.00	-17.21	Average	118	212
3	7356.25	41.57	9.67	51.24	74.00	-22.76	Peak	118	212
4	7356.25	30.10	9.67	39.77	54.00	-14.23	Average	118	212

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

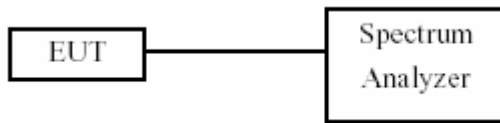
6.1 Test Limit

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	2008/02/22	2009/02/21

6.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11b (11Mbps), ANT1

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	11.80
06	2437	11.30
11	2462	11.60

- (2) Modulation Standard: IEEE 802.11g (6Mbps), ANT1

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	16.30
06	2437	16.40
11	2462	16.40

- (3) Modulation Standard: IEEE 802.11b (11Mbps), ANT3

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	11.80
06	2437	11.20
11	2462	11.20

- (4) Modulation Standard: IEEE 802.11g (6Mbps), ANT3

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	6dB Bandwidth (MHz)
01	2412	16.30
06	2437	16.40
11	2462	16.40

(5) Modulation Standard: IEEE 802.11n, HT20 (6.5Mbps)

Test Date: May. 07, 2008 Temperature: 20°C Humidity: 60% Atmospheric pressure: 1008 hPa

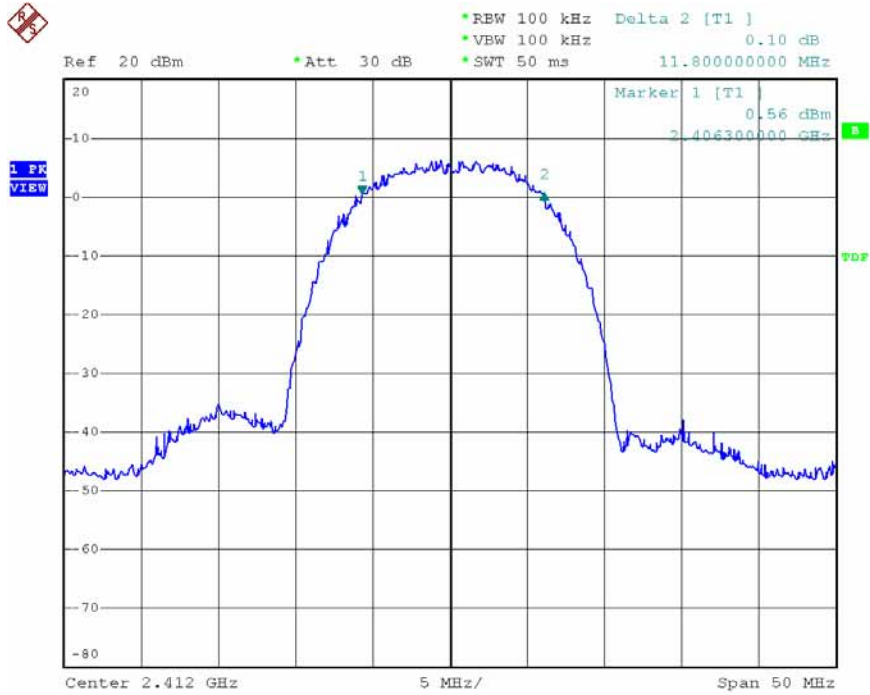
Channel	Frequency (MHz)	6dB Bandwidth –ANT1 (MHz)	6dB Bandwidth –ANT3 (MHz)
01	2412	17.30	17.50
06	2437	17.60	17.60
11	2462	17.50	17.50

(6) Modulation Standard: IEEE 802.11, HT40 (13.5Mbps)

Test Date: May. 07, 2008 Temperature: 20°C Humidity: 60% Atmospheric pressure: 1008 hPa

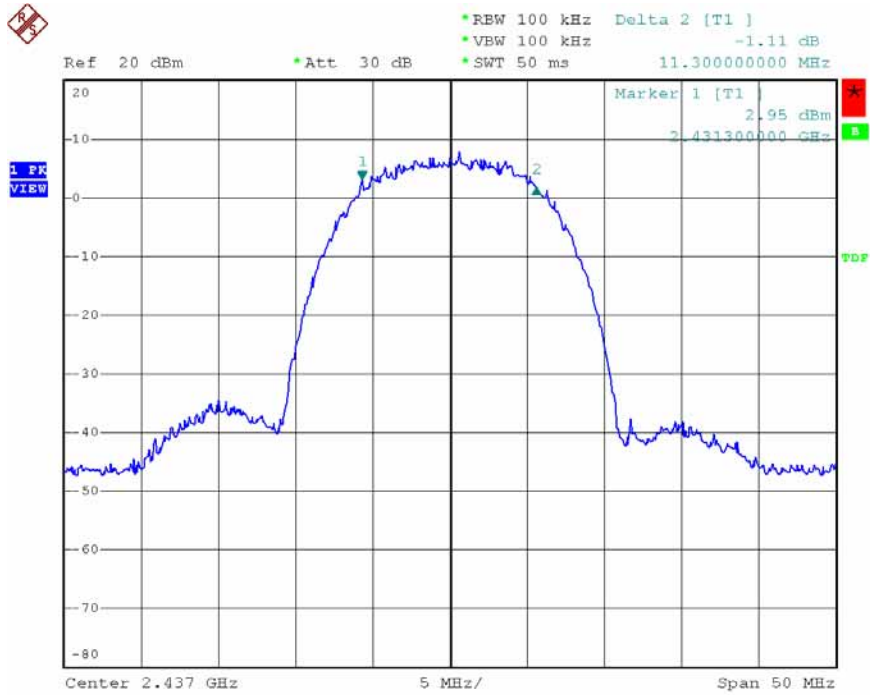
Channel	Frequency (MHz)	6dB Bandwidth –ANT1 (MHz)	6dB Bandwidth –ANT3 (MHz)
03	2422	36.20	36.00
06	2437	36.60	36.60
09	2452	36.40	36.40

Modulation Standard: 802.11b (11Mbps), ANT1
 Channel: 01



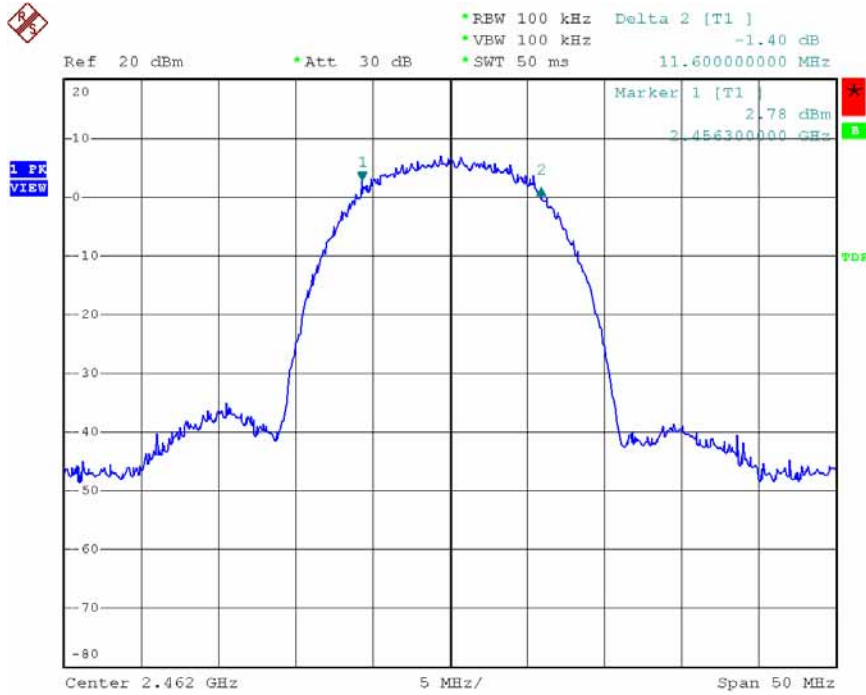
Date: 7.MAY.2008 11:39:17

Modulation Standard: 802.11b (11Mbps) , ANT1
 Channel: 06



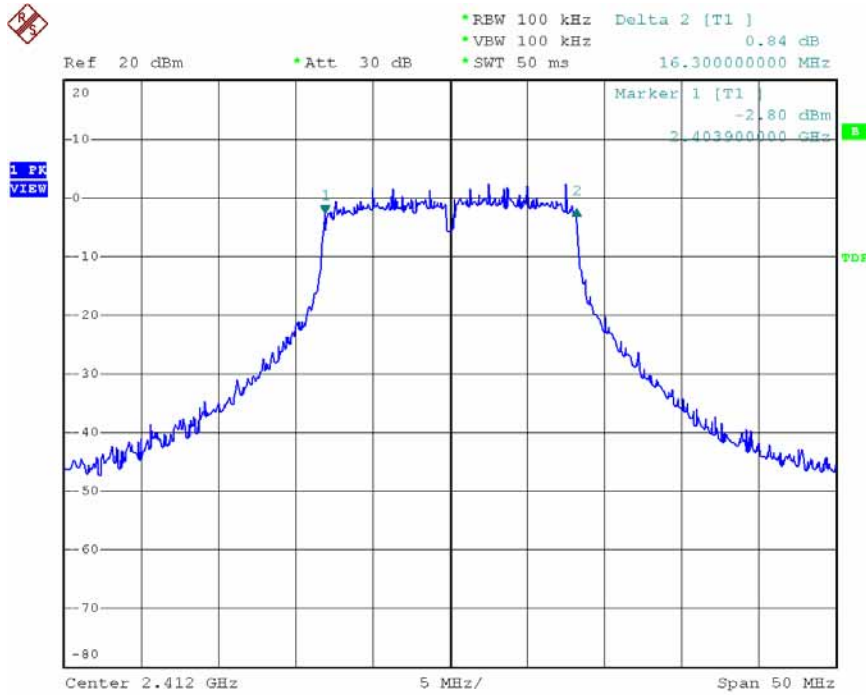
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Modulation Standard: 802.11b (11Mbps) , ANT1
 Channel: 11



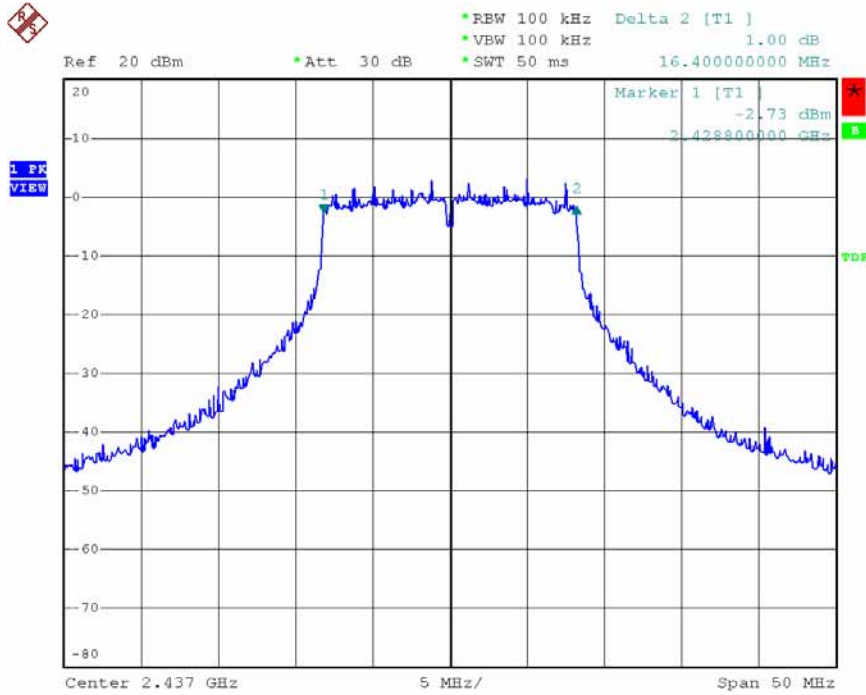
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Modulation Standard: 802.11g (6Mbps) , ANT1
 Channel: 01



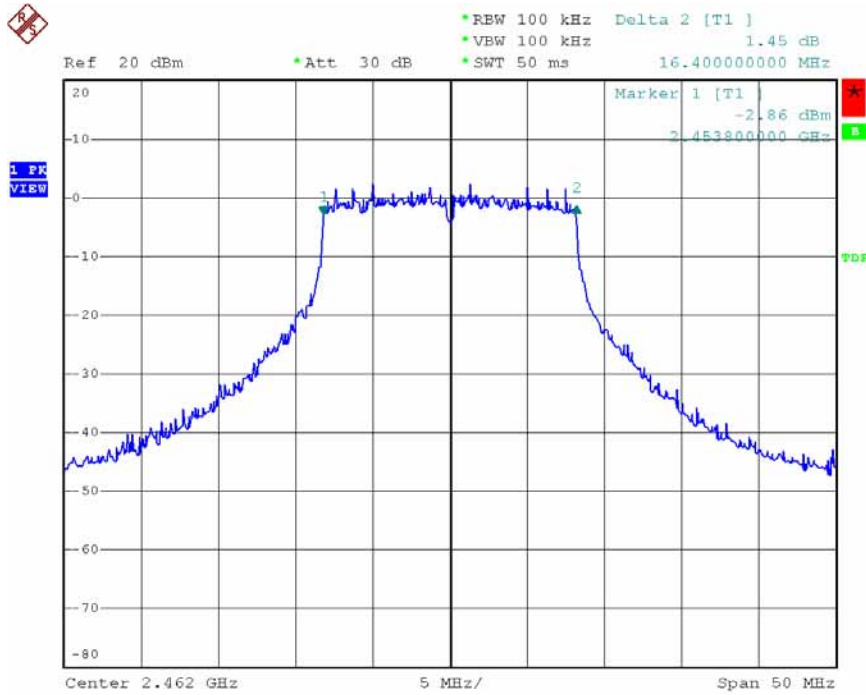
Date: 7.MAY.2008 11:43:28

Modulation Standard: 802.11g (6Mbps) , ANT1
 Channel: 06



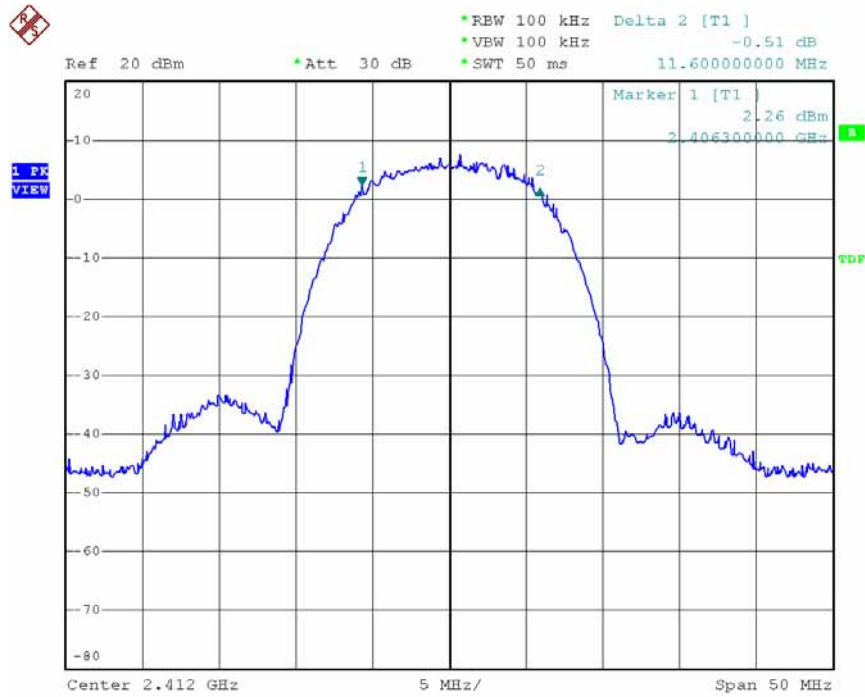
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Modulation Standard: 802.11g (6Mbps) , ANT1
 Channel: 11



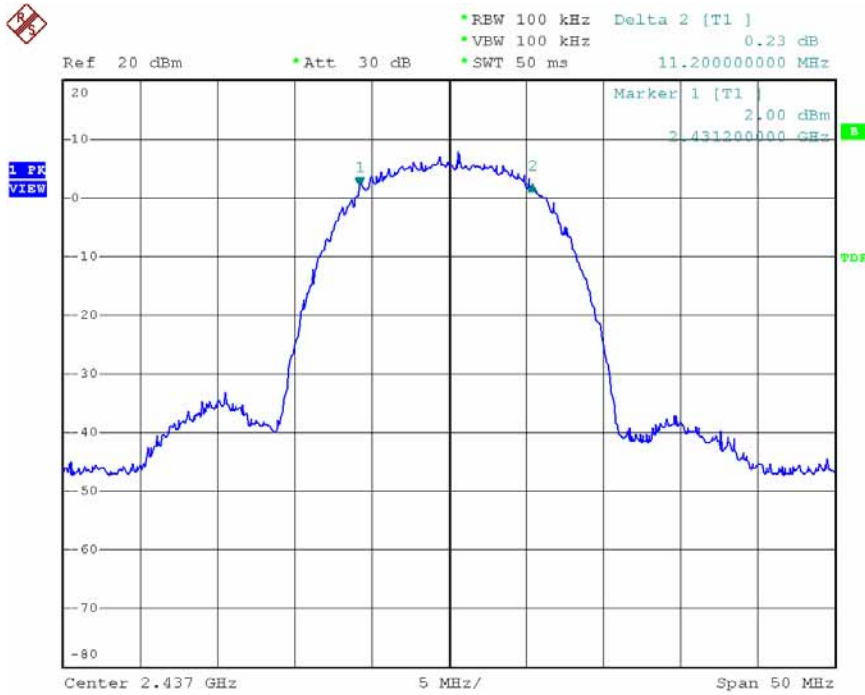
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Modulation Standard: 802.11b (11Mbps) , ANT3
 Channel: 01



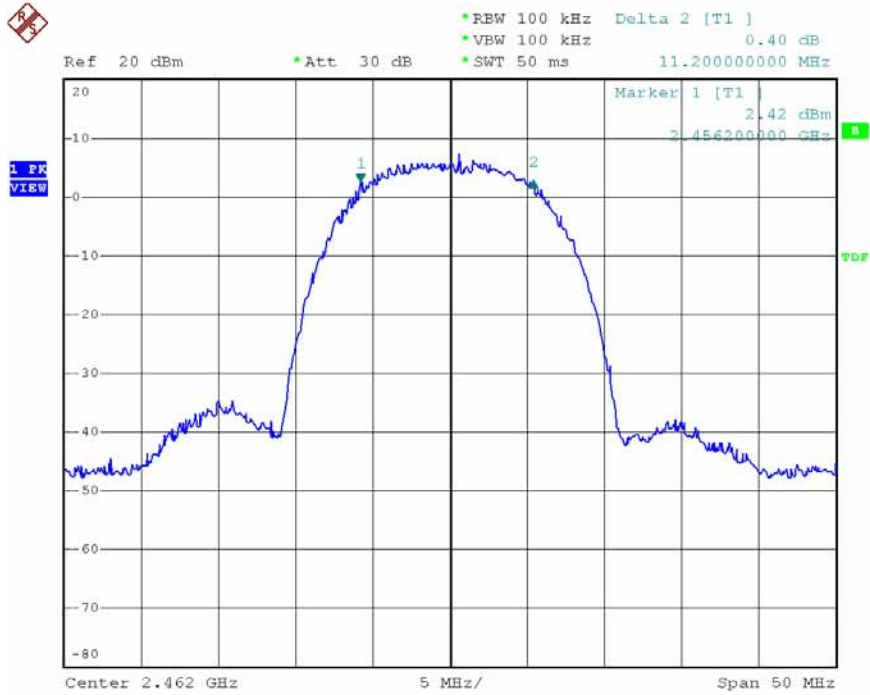
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Modulation Standard: 802.11b (11Mbps) , ANT3
 Channel: 06



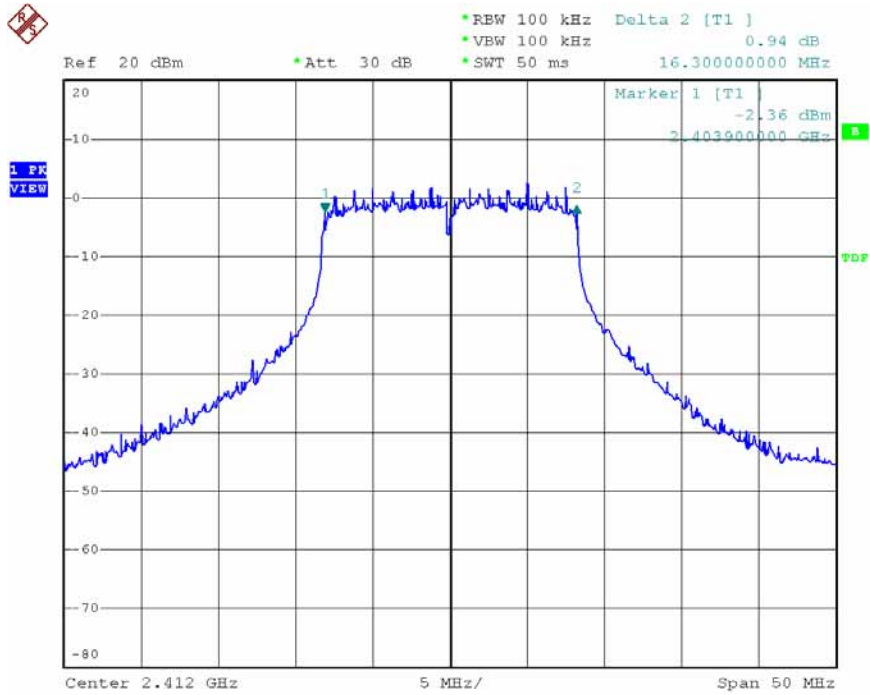
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Modulation Standard: 802.11b (11Mbps) , ANT3
 Channel: 11



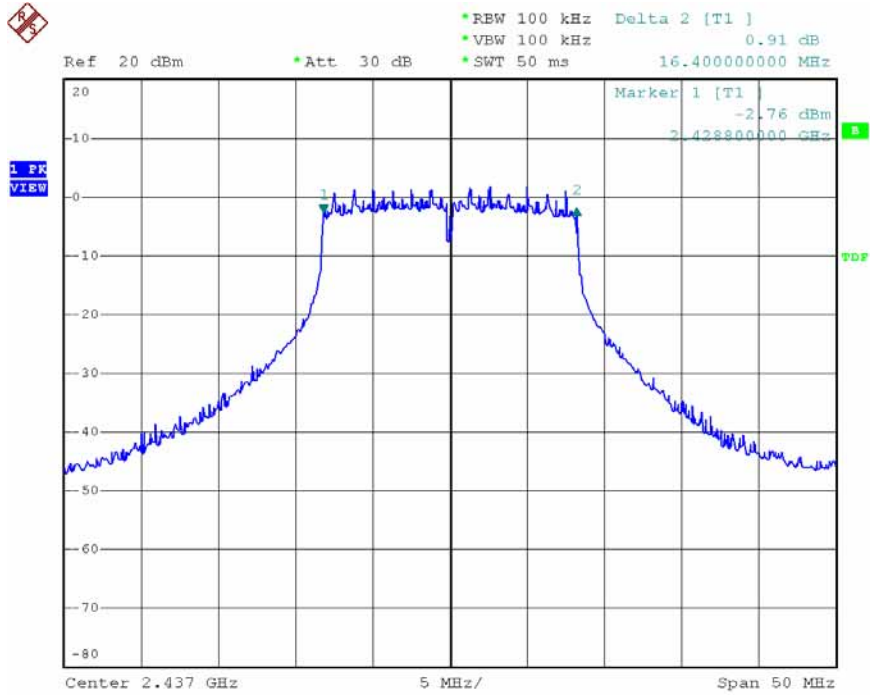
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Modulation Standard: 802.11g (6Mbps) , ANT3
 Channel: 01



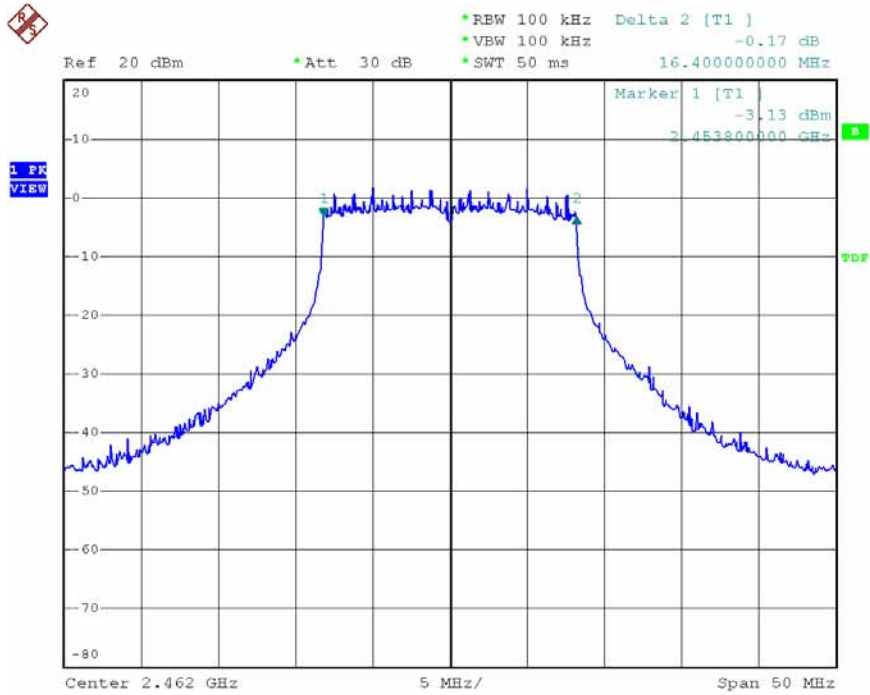
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Modulation Standard: 802.11g (6Mbps) , ANT3
 Channel: 06



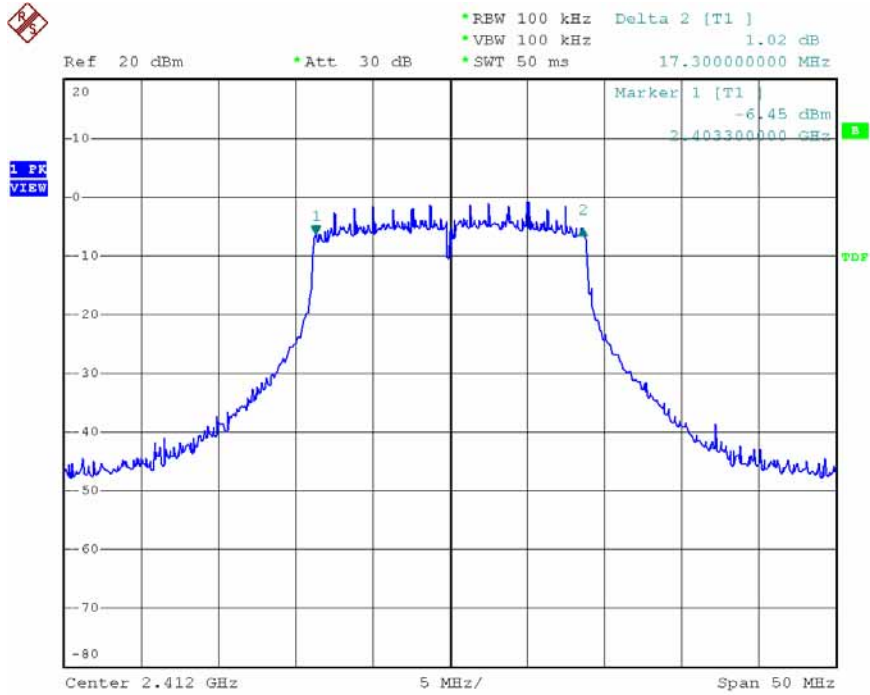
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Modulation Standard: 802.11g (6Mbps) , ANT3
 Channel: 11



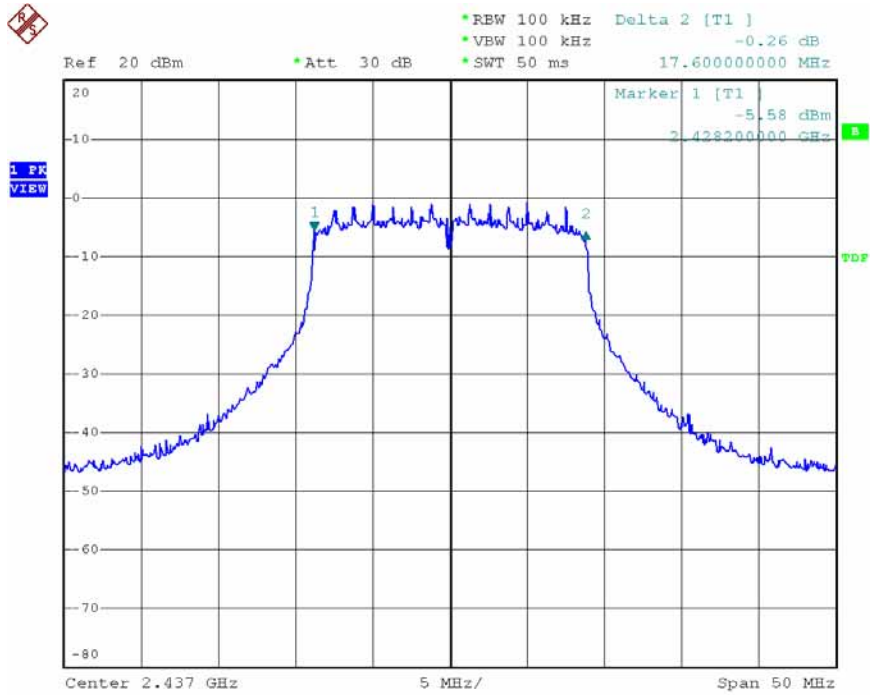
Date: 7.MAY.2008 11:07:05

Modulation Standard: 802.11n, HT20 (6.5Mbps) , ANT1
 Channel: 01



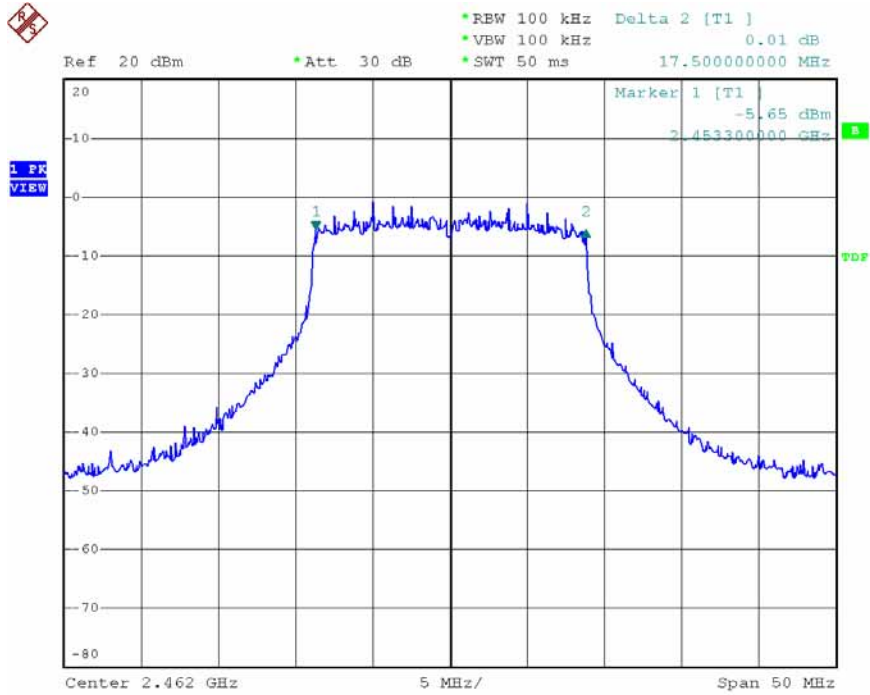
Date: 7.MAY.2008 13:39:55

Modulation Standard: 802.11n, HT20 (6.5Mbps) , ANT1
 Channel: 06



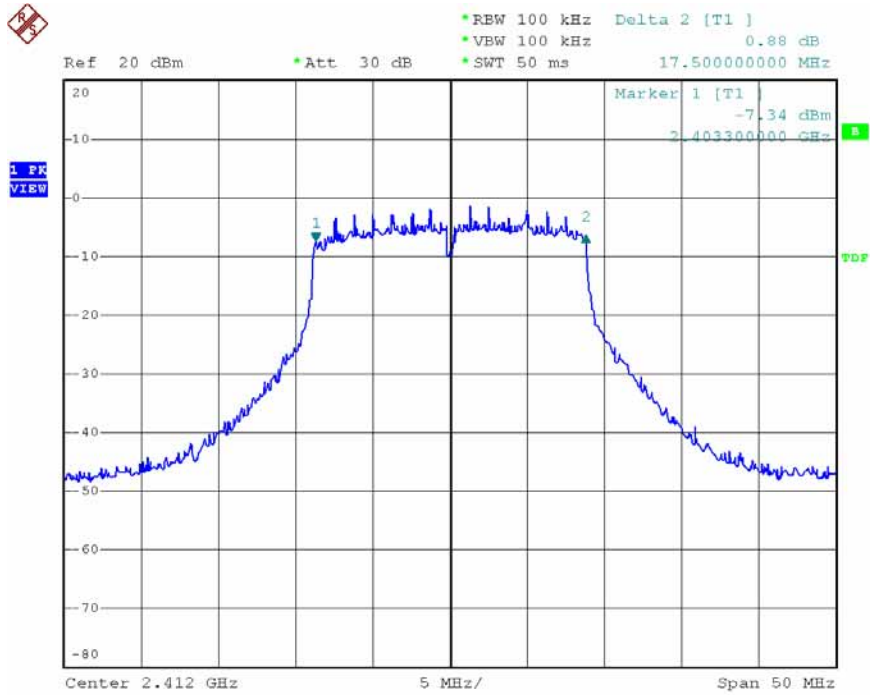
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Modulation Standard: 802.11n, HT20 (6.5Mbps) , ANT1
 Channel: 11



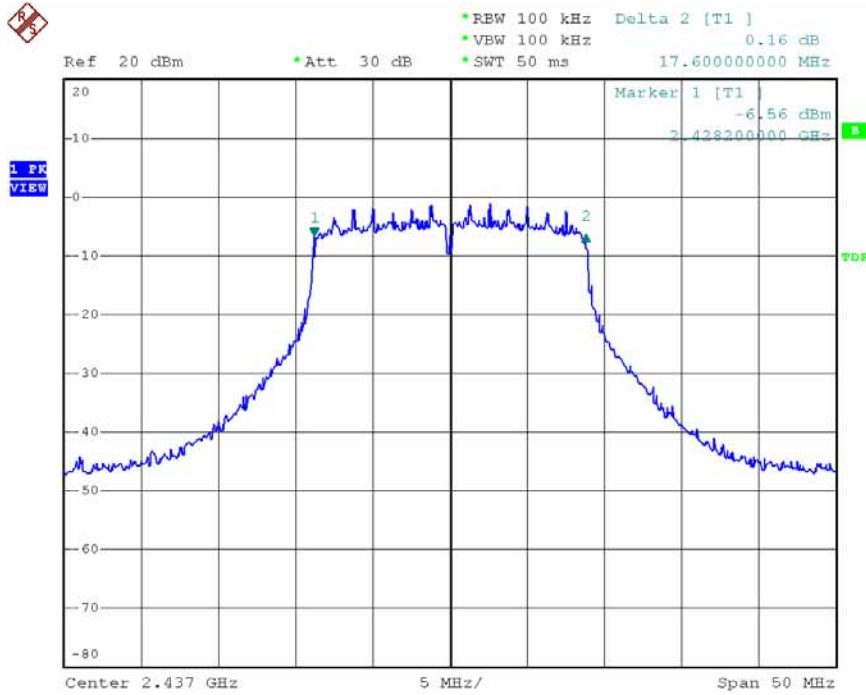
Date: 7.MAY.2008 13:46:09

Modulation Standard: 802.11n, HT20 (6.5Mbps) , ANT3
 Channel: 01



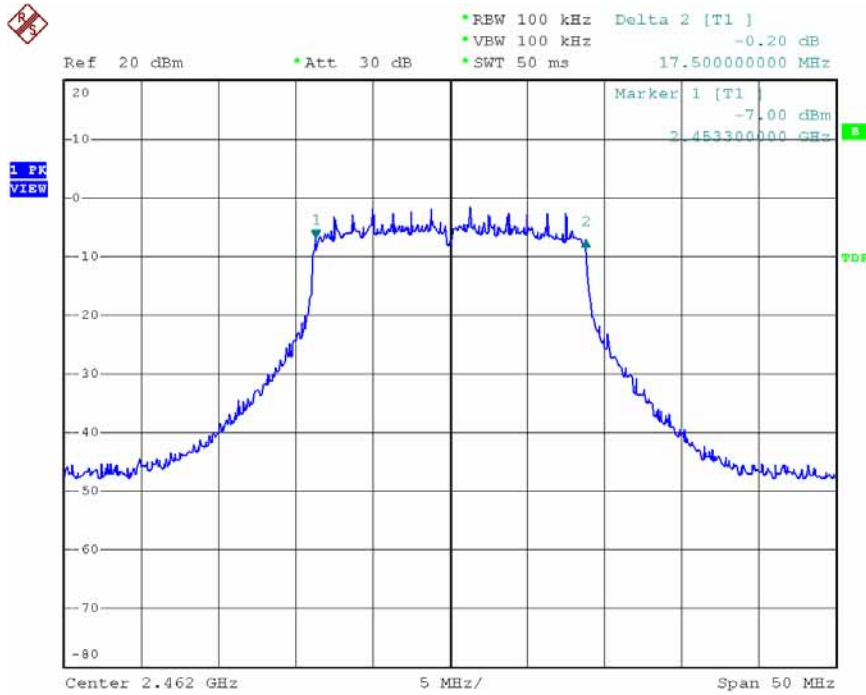
Date: 7.MAY.2008 13:38:30

Modulation Standard: 802.11n, HT20 (6.5Mbps) , ANT3
 Channel: 06



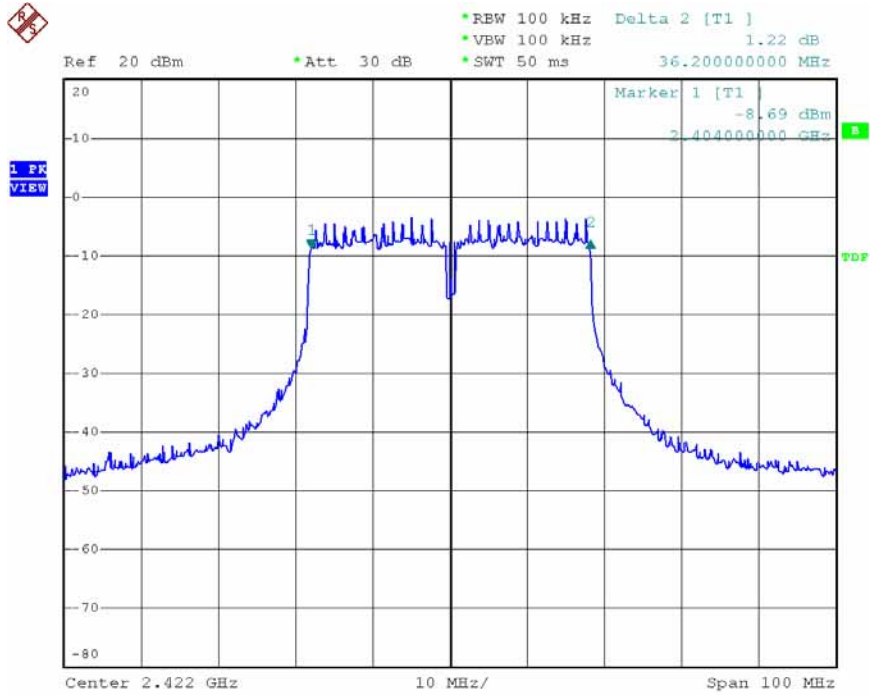
Date: 7.MAY.2008 13:43:51

Modulation Standard: 802.11n, HT20 (6.5Mbps) , ANT3
 Channel: 11



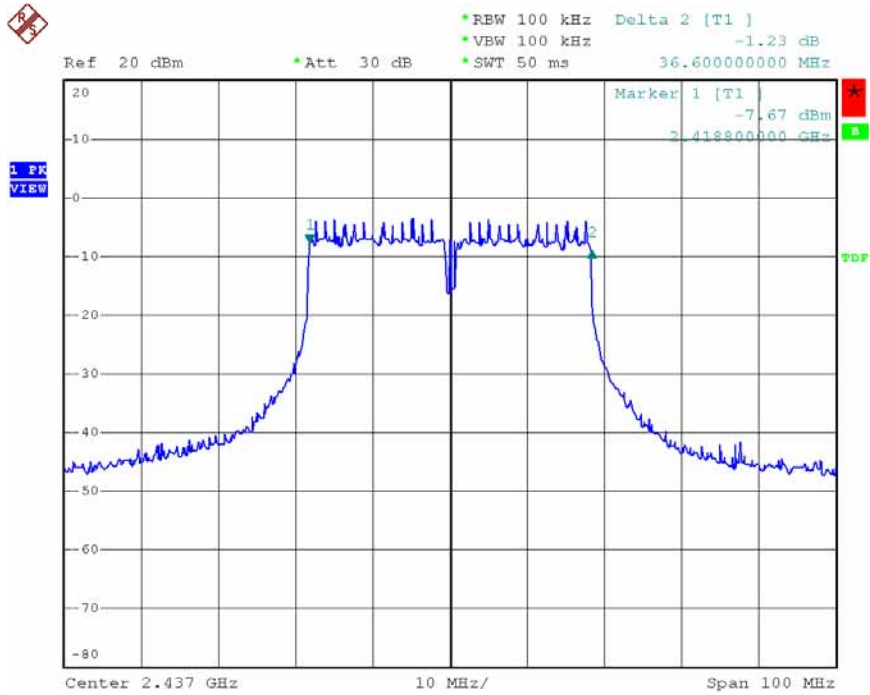
Date: 7.MAY.2008 13:45:09

Modulation Standard: 802.11n, HT40 (13.5Mbps) , ANT1
 Channel: 03



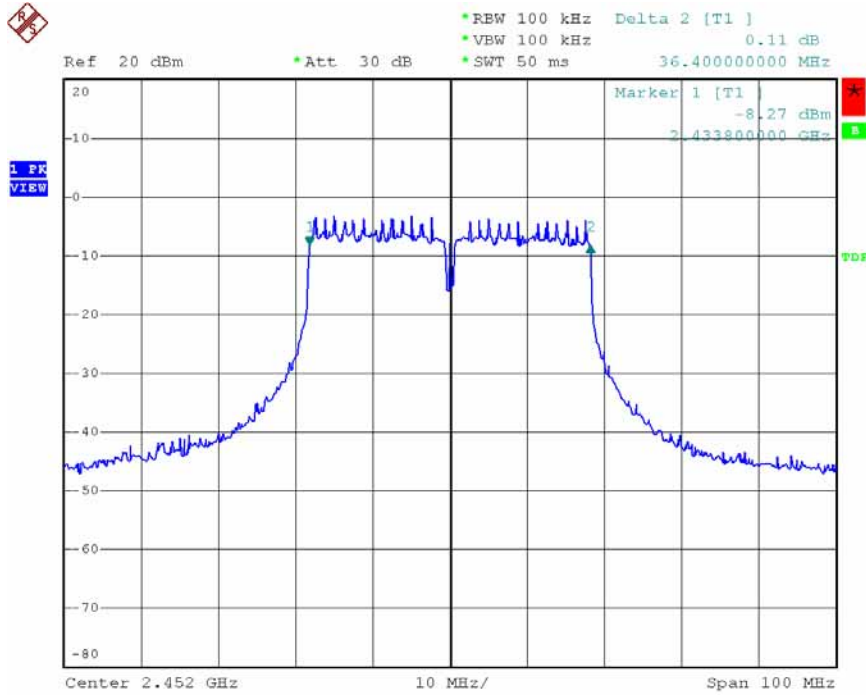
Date: 7.MAY.2008 14:38:29

Modulation Standard: 802.11n, HT40 (13.5Mbps) , ANT1
 Channel: 06



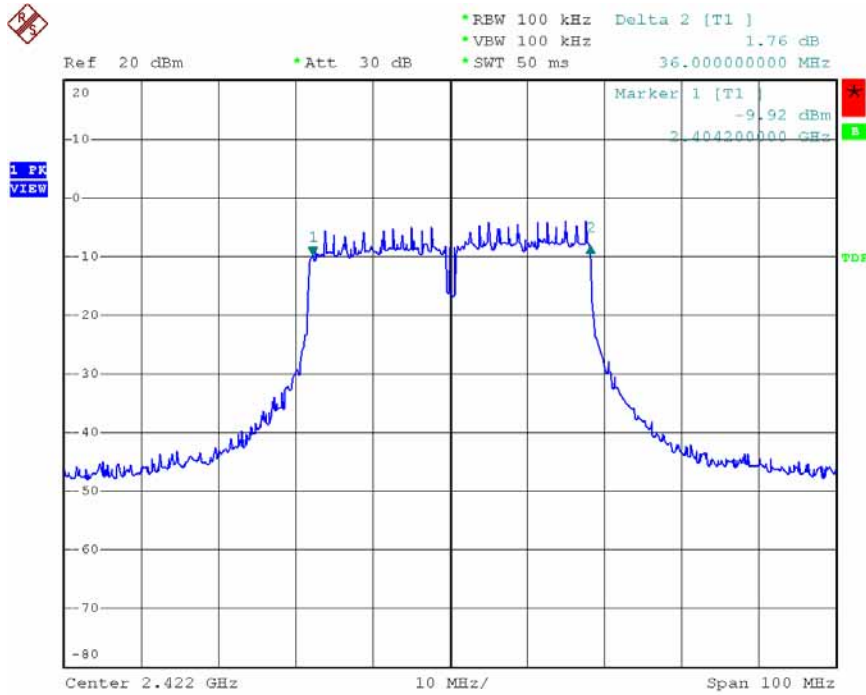
Date: 7.MAY.2008 14:39:44

Modulation Standard: 802.11n, HT40 (13.5Mbps) , ANT1
 Channel: 09



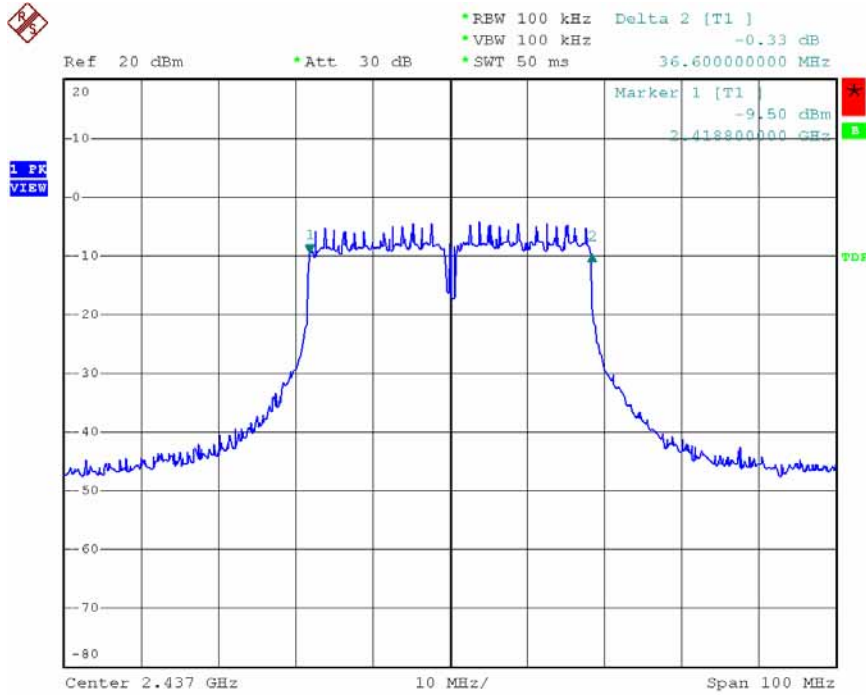
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Modulation Standard: 802.11n, HT40 (13.5Mbps) , ANT3
 Channel: 03



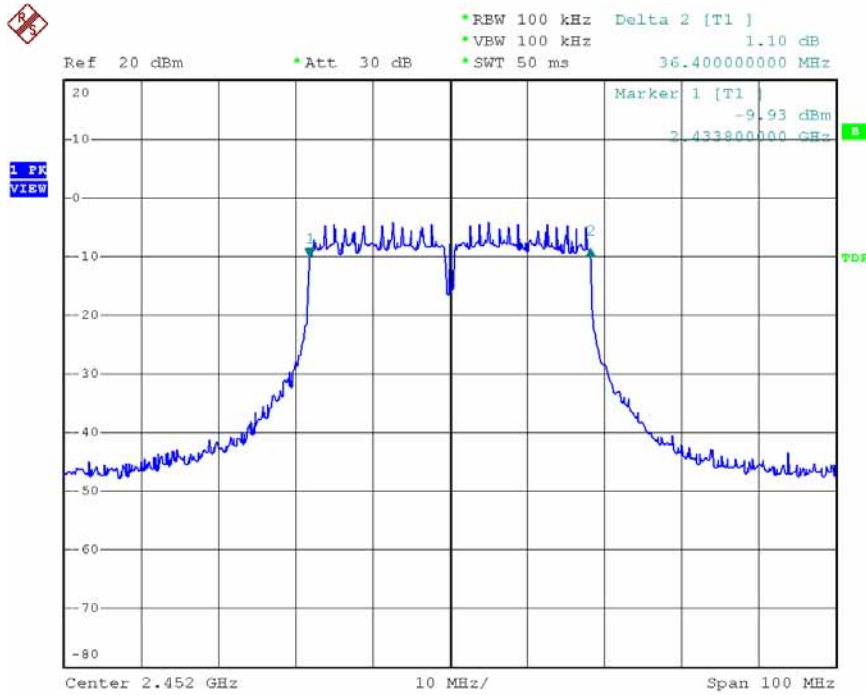
Date: 7.MAY.2008 14:46:36

Modulation Standard: 802.11n, HT40 (13.5Mbps) , ANT3
 Channel: 06



Date: 7.MAY.2008 14:45:32

Modulation Standard: 802.11n, HT40 (13.5Mbps) , ANT3
 Channel: 09



Date: 7.MAY.2008 14:43:34

7. Maximum Peak Output Power

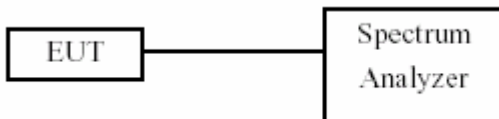
7.1 Test Limit

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	10047	2008/02/22	2009/02/21

7.5 Test Result and Data

- (1) Modulation Standard: IEEE 802.11b (11Mbps) , ANT1

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	23.12	205.10
06	2437	23.02	200.40
11	2462	22.88	194.10

- (2) Modulation Standard: IEEE 802.11g (6Mbps) , ANT1

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	22.78	189.70
06	2437	22.91	195.40
11	2462	22.88	194.10

- (3) Modulation Standard: IEEE 802.11b (11Mbps) , ANT3

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	23.03	200.90
06	2437	23.07	202.80
11	2462	23.20	208.90

- (4) Modulation Standard: IEEE 802.11g (6Mbps) , ANT3

Test Date: May. 07, 2008 Temperature: 20 Humidity: 60% Atmospheric pressure: 1008 hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	23.02	200.40
06	2437	23.00	199.50
11	2462	22.84	192.30

(5) Modulation Standard: IEEE 802.11n, HT20 (6.5Mbps),

Test Date: May. 07, 2008 Temperature: 20°C Humidity: 60% Atmospheric pressure: 1008 hPa

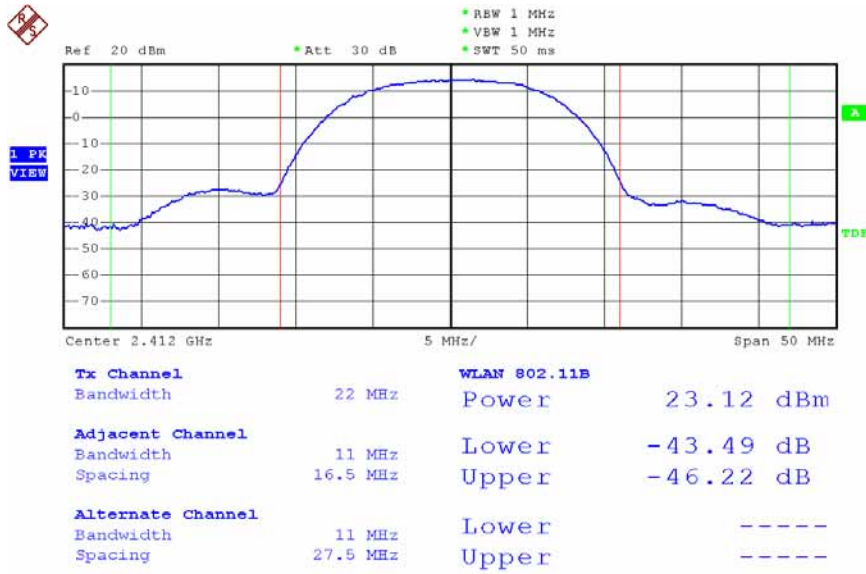
Channel	Frequency (MHz)	Peak Power Output of ANT1 (dBm)	Peak Power Output of ANT3 (dBm)	Peak Power Output of Total (dBm)	Peak Power Output of Total (mW)
01	2412	19.00	18.25	21.65	146.27
06	2437	19.42	19.16	22.30	169.91
11	2462	19.26	18.88	22.08	161.60

(6) Modulation Standard: IEEE 802.11n, HT40 (13.5Mbps),

Test Date: May. 07, 2008 Temperature: 20°C Humidity: 60% Atmospheric pressure: 1008 hPa

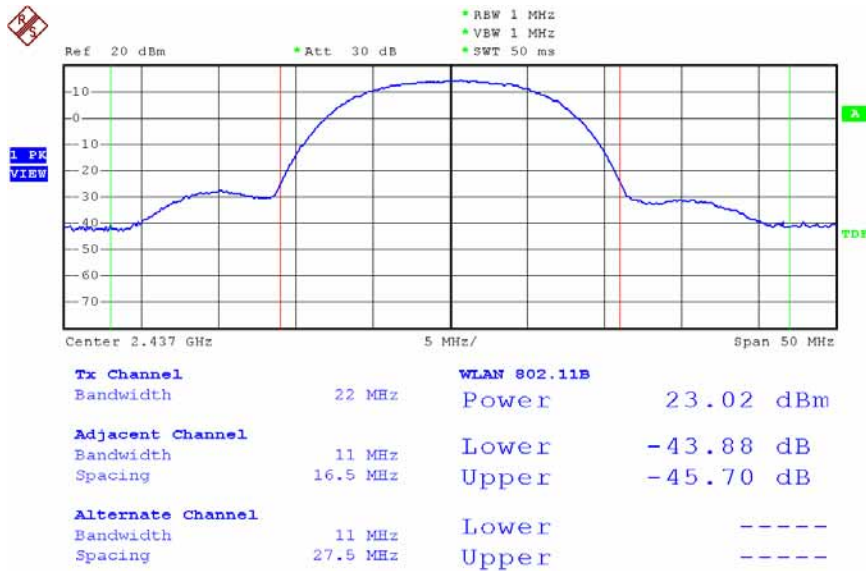
Channel	Frequency (MHz)	Peak Power Output of ANT1 (dBm)	Peak Power Output of ANT3 (dBm)	Peak Power Output of Total (dBm)	Peak Power Output of Total (mW)
03	2422	19.87	19.16	22.54	179.46
06	2437	19.83	18.95	22.42	174.68
09	2452	19.80	19.02	22.44	175.30

Modulation Standard: 802.11b (11Mbps), ANT1
 Channel: 01



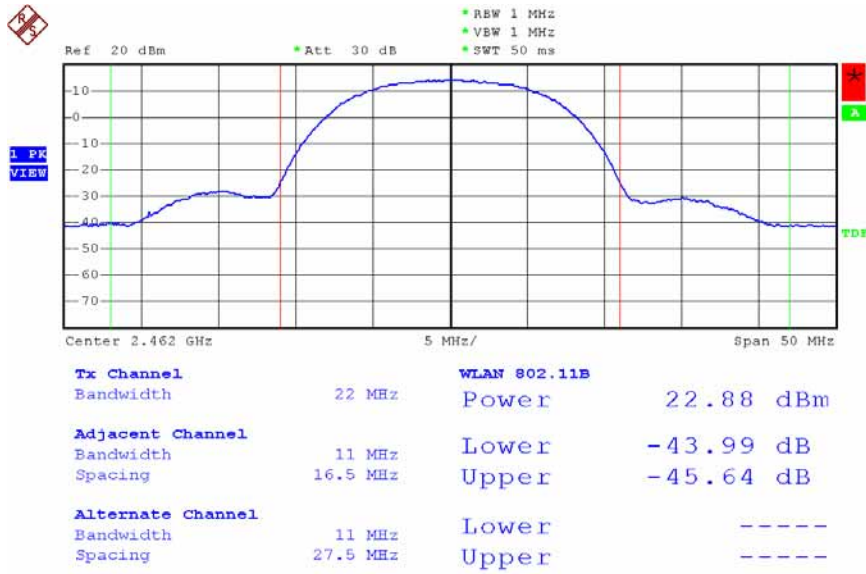
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Modulation Standard: 802.11b (11Mbps) , ANT1
 Channel: 06



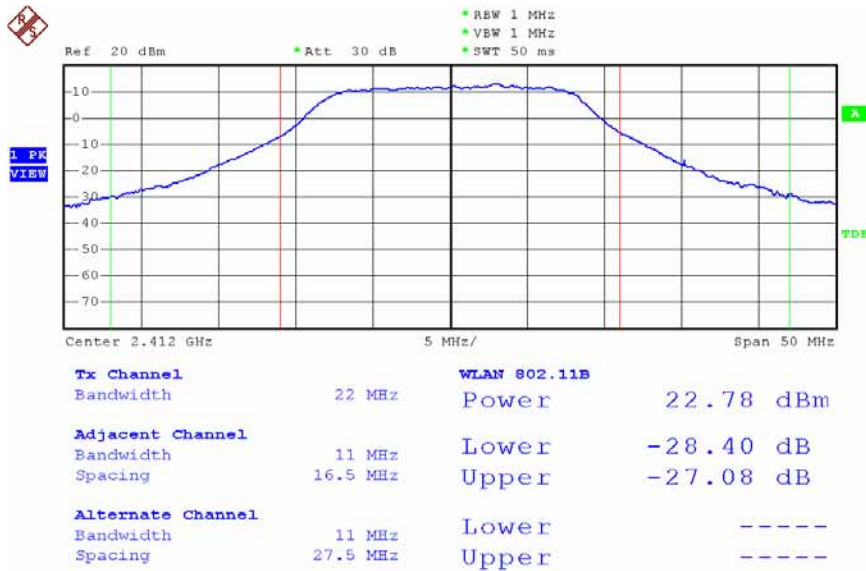
Date: 7.MAY.2008 11:37:02

Modulation Standard: 802.11b (11Mbps) , ANT1
 Channel: 11



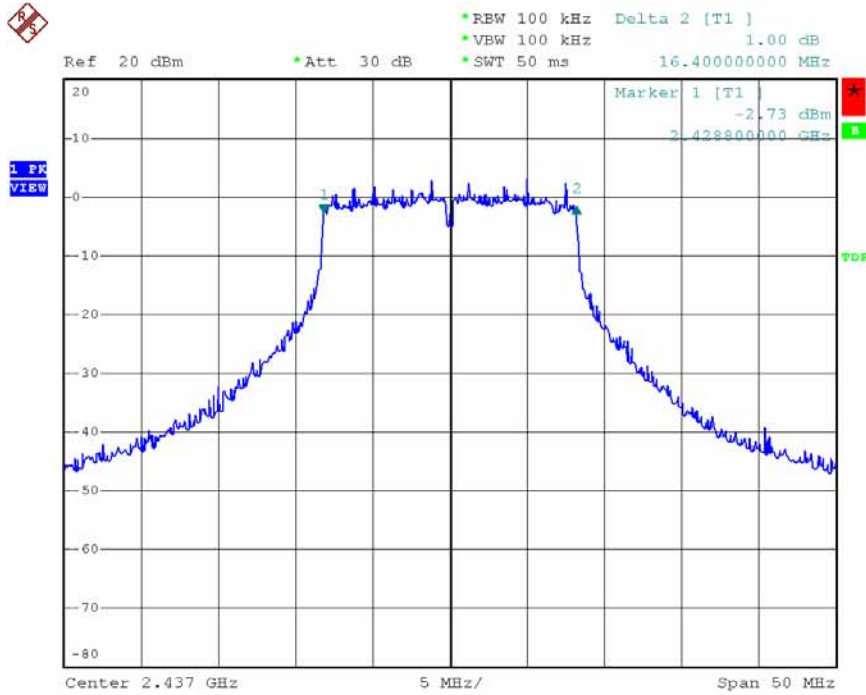
Date: 7.MAY.2008 11:37:57

Modulation Standard: 802.11g (6Mbps) , ANT1
 Channel: 01



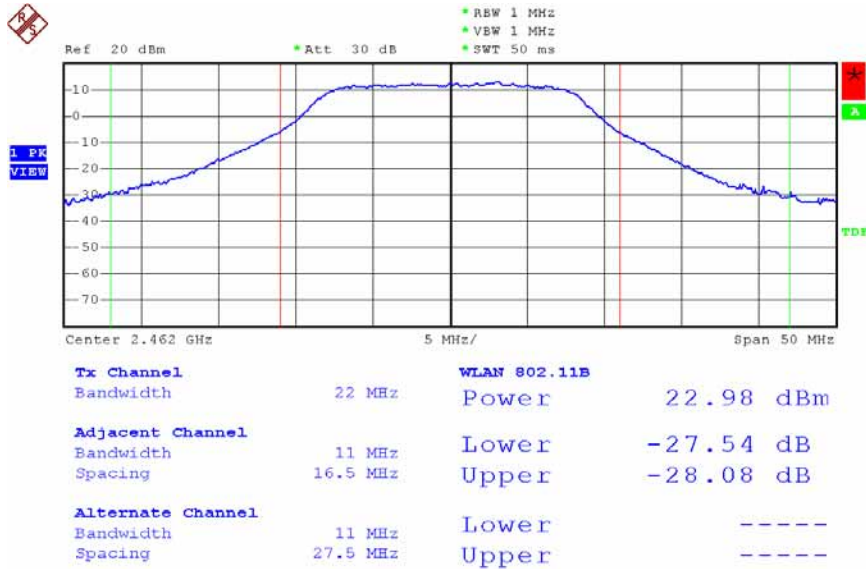
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Modulation Standard: 802.11g (6Mbps) , ANT1
 Channel: 06



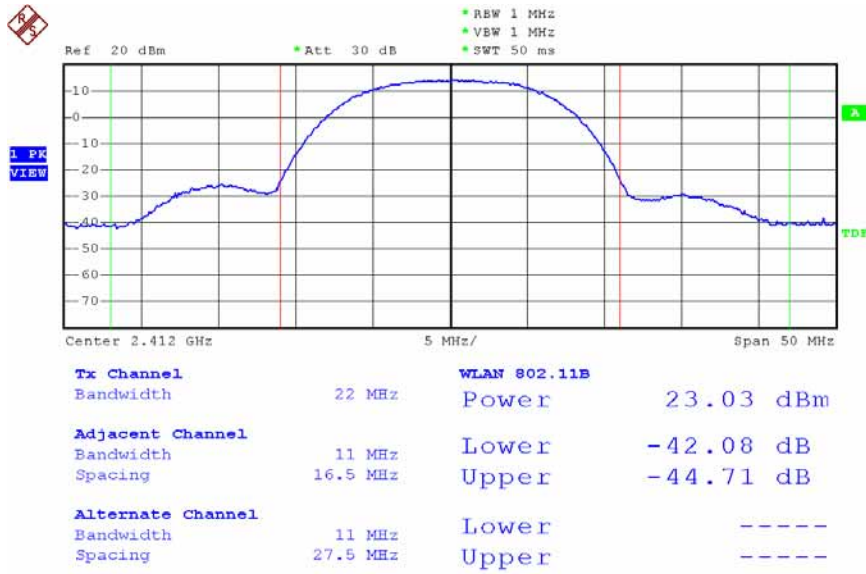
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Modulation Standard: 802.11g (6Mbps) , ANT1
 Channel: 11



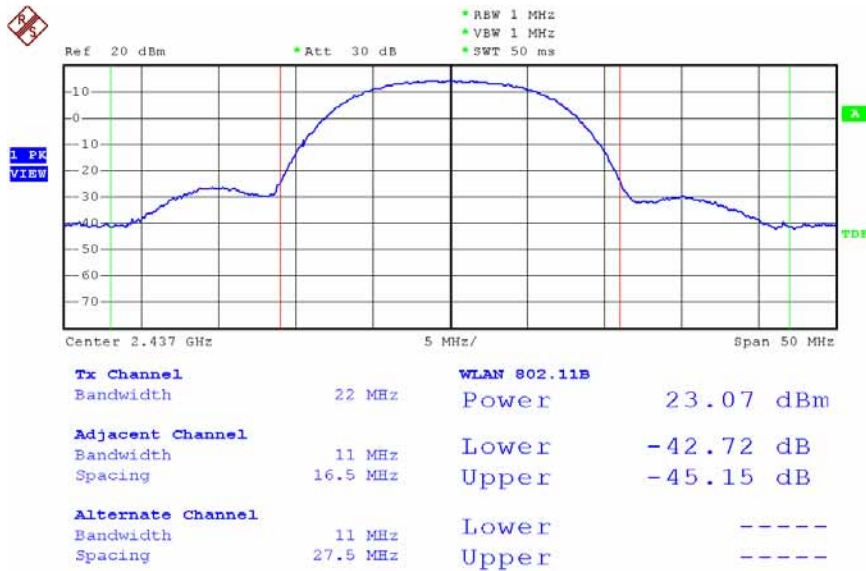
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Modulation Standard: 802.11b (11Mbps) , ANT3
 Channel: 01



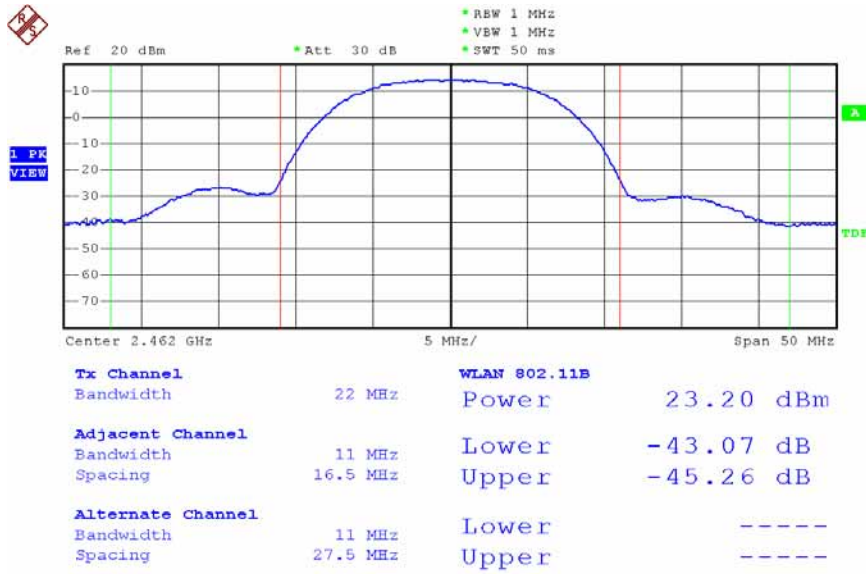
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Modulation Standard: 802.11b (11Mbps) , ANT3
 Channel: 06



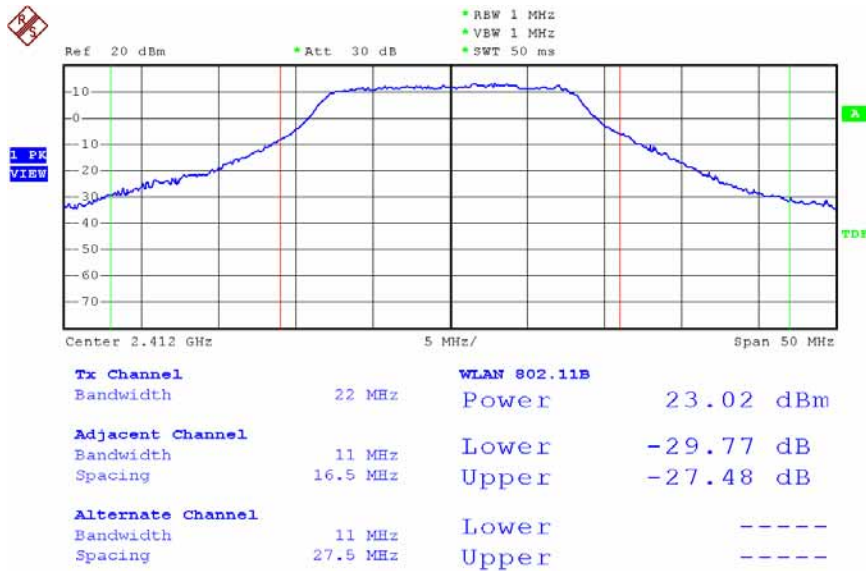
Date: 7.MAY.2008 10:36:51

Modulation Standard: 802.11b (11Mbps) , ANT3
 Channel: 11



Date: 7.MAY.2008 10:36:15

Modulation Standard: 802.11g (6Mbps) , ANT3
 Channel: 01



Date: 7.MAY.2008 10:29:11