

# FCC TEST REPORT

according to

## FCC Rules and Regulations

### Part 15 Subpart E

Applicant	:	NETGEAR, INC.
Address	:	4500 GREAT AMERICA PARKWAY, SANTA CLARA, CA 95054 U.S.A.
Equipment	:	5GHz Wireless-N HD Access Point / Bridge
Model No.	:	WNHDE111
FCC ID	:	PY307300070
Trade Name	:	NETGEAR

Laboratory accreditation



- The test result refers exclusively to the test presented test model / sample.,
- The test result does not include DFS test for 5250 ~ 5350 MHz.
- Without written approval of **Exclusive Certification Corp.** the test report shall not be reproduced except in full.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

## CONTENTS

1.	Report of Measurements and Examinations.....	5
1.1.	List of Measurements and Examinations .....	5
2.	Test Configuration of Equipment under Test.....	6
2.1.	Feature of Equipment under Test.....	6
2.2.	RF Specifications .....	6
2.3.	Carrier Frequency of Channels .....	7
2.4.	Test Mode and Test Software.....	8
2.5.	Description of Test System.....	9
2.6.	Connection Diagram of Test System.....	9
2.7.	General Information of Test.....	10
2.8.	History of this test report .....	11
3.	Antenna Requirements .....	12
3.1.	Standard Applicable .....	12
3.2.	Antenna Construction and Directional Gain.....	12
4.	Test of Conducted Emission .....	13
4.1.	Test Procedures .....	13
4.2.	Typical Test Setup Layout of Conducted Emission.....	14
4.3.	Conducted Emission Requirement .....	14
4.4.	Measurement equipment .....	14
4.5.	Test Result and Data.....	15
4.6.	Test Photographs .....	27
5.	Test of Radiated Emission .....	28
5.1.	Test Procedures .....	28
5.2.	Typical Test Setup Layout of Radiated Emission.....	29
5.3.	Measurement equipment .....	29
5.4.	Test Result of Radiated Emission .....	30
5.5.	Photographs of Radiated Emission Test.....	270
6.	Peak Transmit Power.....	271
6.1.	Test Procedure .....	271
6.2.	Test Setup Layout .....	271
6.3.	Measurement equipment .....	271
6.4.	Test Result and Data.....	271
7.	Peak Power Excursion.....	336
7.1.	Test Procedure .....	336
7.2.	Test Setup Layout .....	336
7.3.	Measurement equipment .....	336
7.4.	Test Result and Data.....	336
8.	Peak Power Spectral Density.....	369
8.1.	Test Procedure .....	369
8.2.	Test Setup Layout .....	369
8.3.	Measurement equipment .....	369
8.4.	Test Result and Data.....	369
9.	Frequency Stability.....	402
9.1.	Test Procedure .....	402
9.2.	Test Setup Layout .....	402
9.3.	Measurement equipment .....	402

9.4. Test Result and Data.....403

10. Band Edges Measurement ..... 404

    10.1. Test Procedure ..... 404

    10.2. Measurement equipment ..... 404

    10.3. Test Result and Data ..... 404

    10.4. Restrict Band Emission Measurement Data ..... 417

11. Restricted Bands of Operation..... 420

    11.1. Labeling Requirement..... 420

12. RF Exposure ..... 421

    12.1. Limit for Maximum Permissible Exposure (MPE) ..... 421

    12.2. MPE Calculations..... 422

    12.3. FCC Radiation Exposure Statement ..... 422

Appendix A. Photographs of EUT.....A1 ~ A10

# CERTIFICATE OF COMPLIANCE

according to

## FCC Rules and Regulations

### Part 15 Subpart E

Applicant	:	NETGEAR, INC.
Address	:	4500 GREAT AMERICA PARKWAY, SANTA CLARA, CA 95054 U.S.A.
Equipment	:	5GHz Wireless-N HD Access Point / Bridge
Model No.	:	WNHDE111
FCC ID	:	PY307300070

**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 E (2003)**.

The test was carried out on Dec. 12, 2007 at **Exclusive Certification Corp.**

Signature

  
Anson Chou / Manager

## 1. Report of Measurements and Examinations

### 1.1. List of Measurements and Examinations

For Frequency 5.15GHz ~ 5.25GHZ

Applied Standard : FCC Part 15, Subpart E (Section 15.407)		
FCC Rule	Description of Test	Result
15.407(b)(5)	. Conducted Emission	Pass
15.407(b/1/2/3)(b)(5)	. Radiated Emission	Pass
15.407(a/1/2/3)	. Peak Transmit Power	Pass
15.407(a)(6)	. Peak Power Excursion	Pass
15.407(a/1/2/3)	. Peak Power Spectral Density	Pass
15.407(g)	. Frequency Stability	Pass

## 2. Test Configuration of Equipment under Test

### 2.1. Feature of Equipment under Test

- Complies with the IEEE 802.11a Orthogonal Frequency Division Multiplex (OFDM) and pre-11n draft standard
- Complies with IEEE 802.3, IEEE802.3u
- Supports data rate at 6,9,12,18,24,36,48 and 54Mbps data rate on IEEE802.11a of wireless interface and pre-11n MIMO technology data throughput at 135Mbps at 20MHz and 300Mbps at 40MHz respective channel bandwidth.
- Supports 2-port 10/100Mbps 10BASE-T and 100BASE-T Data Rate on the Ethernet interface.
- Security solutions provide WEP, WPA (pre-share key).
- WEP 64-bit/128-bit data encryption for security.
- Web browser management.
- Reset to factory default parameters.
- External Power adapter 12V@1.2A.

### 2.2. RF Specifications

Spreading 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, 20MHz: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, 40MHz: OFDM (64QAM, 16QAM, QPSK, BPSK)
Frequency Range 5150 ~ 5250 MHz, 5725 ~ 5825 MHz
Number of Channels 802.11a, 802.11an (20MHz) 5150 ~ 5250 MHz: 4 Channels 5725 ~ 5850 MHz: 5 Channels 802.11an (40MHz) 5150 ~ 5250 MHz: 3 Channels 5725 ~ 5850 MHz: 3 Channels
Data Rate 802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n, 20MHz: 135, 117, 104, 78, 52, 39, 26, 13 Mbps 802.11n, 40MHz: 300,270, 243, 216, 162, 108, 81, 54, 27 Mbps
Modulation 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, 20MHz: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n, 40MHz: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Antenna Number: ANT-L1, ANT-L2, ANT-L3, ANT-R1, ANT-R2, ANT-R3, Antenna Type: Printed Antenna Antenna Gain: ANT-L1 (3.143 dBi), ANT-L2 (2.378 dBi), ANT-L3 (4.321 dBi) ANT-R1 (2.922 dBi), ANT-R2 (3.769 dBi), ANT-R3 (-0.0363 dBi)
Transmit Power FCC: 802.11a 5150 ~ 5250 MHz: 17 dBm 5725 ~ 5850 MHz: 21 dBm 802.11n, 20MHz: 5150 ~ 5250 MHz: 17 dBm 5725 ~ 5850 MHz: 21 dBm 802.11n, 40MHz: 5150 ~ 5250 MHz: 17 dBm 5725 ~ 5850 MHz: 21 dBm

### 2.3. Carrier Frequency of Channels

802.11a, 802.11Draft n, 20MHz (5150 ~ 5250MHz, 5725 ~ 5825MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	149	5745
40	5200	153	5765
44	5220	157	5785
48	5240	161	5805
---	---	165	5825

802.11Draft n, 40MHz (5150 ~ 5250MHz, 5725 ~ 5825MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
38	5190	151	5755
42	5210	155	5775
46	5230	159	5795

## 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:
  - 802.11a:  
CH 36: 5180MHz, CH 44: 5220MHz, CH 48: 5240MHz
  - 802.11Draft n, 20MHz  
CH 36: 5180MHz, CH 44: 5220MHz, CH 48: 5240MHz
  - 802.11Draft n, 40MHz  
CH 38: 5190MHz, CH 42: 5210MHz, CH 46: 5230MHz
- e. The following test mode included two kind of power adapter, four kind of antenna, and four kind modulation types:

Test Mode	Modulation type	Antenna Number	Adapter Model
Test Mode 1	802.11a	ANT-L1	DSA-20P-10 US 120144
Test Mode 2	802.11a	ANT-L3	DSA-20P-10 US 120144
Test Mode 3	802.11a	ANT-R1	DSA-20P-10 US 120144
Test Mode 4	802.11a	ANT-R3	DSA-20P-10 US 120144
Test Mode 5	802.11Draft n , 20MHz	ANT-L1 + ANT-L3	DSA-20P-10 US 120144
Test Mode 6	802.11Draft n , 20MHz	ANT-L1 + ANT-R3	DSA-20P-10 US 120144
Test Mode 7	802.11Draft n , 20MHz	ANT-R1 + ANT-L3	DSA-20P-10 US 120144
Test Mode 8	802.11Draft n , 20MHz	ANT-L1 + ANT-R3	DSA-20P-10 US 120144
Test Mode 9	802.11Draft n , 40MHz	ANT-L1 + ANT-L3	DSA-20P-10 US 120144
Test Mode 10	802.11Draft n , 40MHz	ANT-L1 + ANT-R3	DSA-20P-10 US 120144
Test Mode 11	802.11Draft n , 40MHz	ANT-R1 + ANT-L3	DSA-20P-10 US 120144
Test Mode 12	802.11Draft n , 40MHz	ANT-L1 + ANT-R3	DSA-20P-10 US 120144
Test Mode 13	802.11a	ANT-L1	MT18-Y120120-A1
Test Mode 14	802.11a	ANT-L3	MT18-Y120120-A1
Test Mode 15	802.11a	ANT-R1	MT18-Y120120-A1
Test Mode 16	802.11a	ANT-R3	MT18-Y120120-A1
Test Mode 17	802.11Draft n , 20MHz	ANT-L1 + ANT-L3	MT18-Y120120-A1
Test Mode 18	802.11Draft n , 20MHz	ANT-L1 + ANT-R3	MT18-Y120120-A1
Test Mode 19	802.11Draft n , 20MHz	ANT-R1 + ANT-L3	MT18-Y120120-A1
Test Mode 20	802.11Draft n , 20MHz	ANT-L1 + ANT-R3	MT18-Y120120-A1
Test Mode 21	802.11Draft n , 40MHz	ANT-L1 + ANT-L3	MT18-Y120120-A1
Test Mode 22	802.11Draft n , 40MHz	ANT-L1 + ANT-R3	MT18-Y120120-A1
Test Mode 23	802.11Draft n , 40MHz	ANT-R1 + ANT-L3	MT18-Y120120-A1
Test Mode 24	802.11Draft n , 40MHz	ANT-L1 + ANT-R3	MT18-Y120120-A1

- f. For Radiated emission test, Test Mode 1 ~ Test Mode 24 would be chosen to do final test.
- g. For Conducted emission test, Test Mode 1 ~ Test Mode 12 would be chosen to do final test.
- h. For AC power line conducted emission test, Test Mode 1, 5, 9, 13, 17, 21 would be chosen to do final test.

Notes: The device will automatically discontinue transmission, when the transmitting or operating stop.



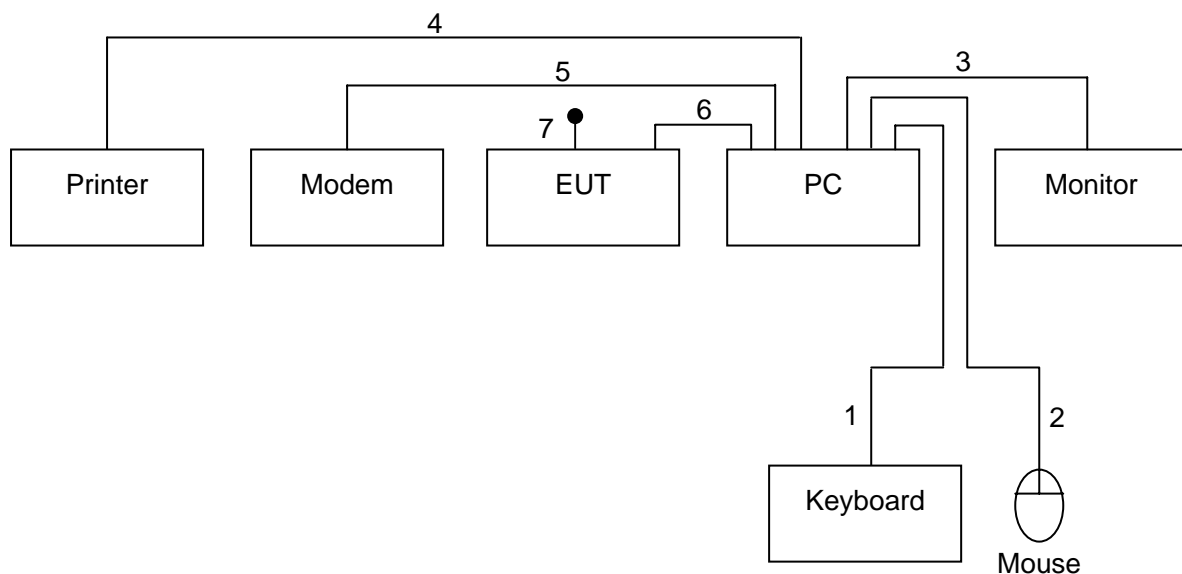
## 2.5. Description of Test System

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	Description
RJ45	Unshielding, 1.5m
RJ45	Unshielding, 3.0m

## 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. This RJ45 cable is 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.
FCC Registration Number :	632249
IC Registration Number :	6597A-1
VCCI Registration Number :	T-182 for Telecommunication Test C-2188 for Conducted emission test R-1902 for Radiated emission test
Test Voltage:	AC 120V/ 60Hz
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart E
Frequency Range Investigated:	AC Power Conducted Emission : from 150kHz to 30 MHz Radiated and conducted Emission: from 30 MHz to 40 GHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

## 2.8. History of this test report

ORIGINAL.

Additional attachment as following record:

Attachment No.	Issue Date	Description

### 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 15.407 (a), 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

ANT-L1:

Antenna type: Printed Antenna

Antenna Gain: 3.143 dBi

ANT-L2:

Antenna type: Printed Antenna

Antenna Gain: 2.378 dBi

ANT-L3:

Antenna type: Printed Antenna

Antenna Gain: 4.321 dBi

ANT-R1:

Antenna type: Printed Antenna

Antenna Gain: 2.922 dBi

ANT-R2:

Antenna type: Printed Antenna

Antenna Gain: 3.769 dBi

ANT-R3:

Antenna type: Printed Antenna

Antenna Gain: -0.0363 dBi

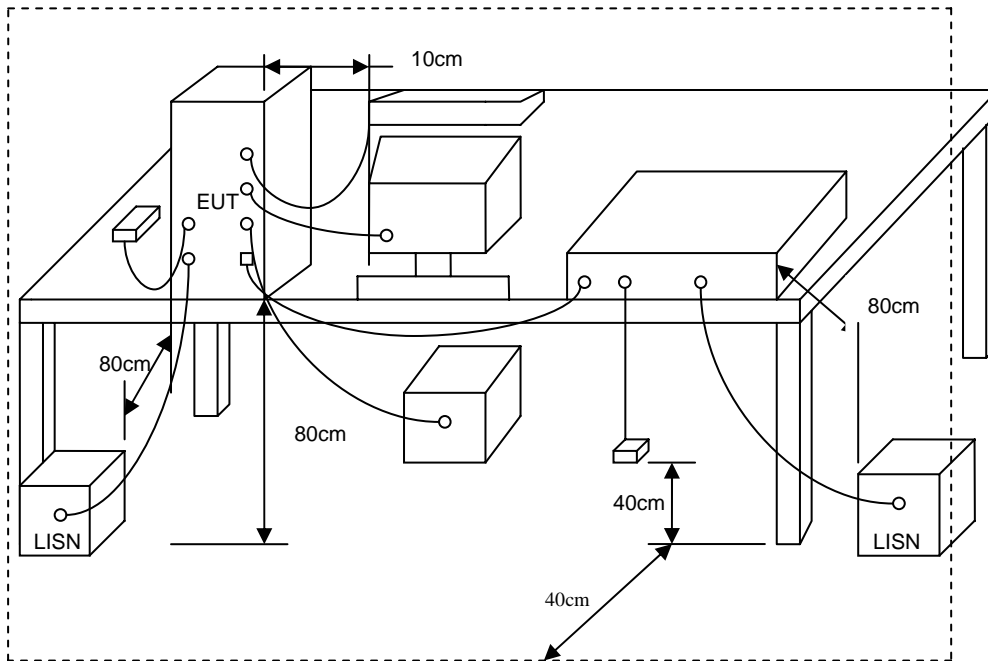
## 4. Test of Conducted Emission

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 1.3.1. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

### 4.1. 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.

### 4.2. Typical Test Setup Layout of Conducted Emission



### 4.3. Conducted Emission Requirement

Except for A digital devices, for equipment that is designed to be connected to the public utility (AC) power line on any frequency voltage that is conducted back onto the AC power line on ant frequency or frequencies within the band 150KHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 ohms line impeddance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the Radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

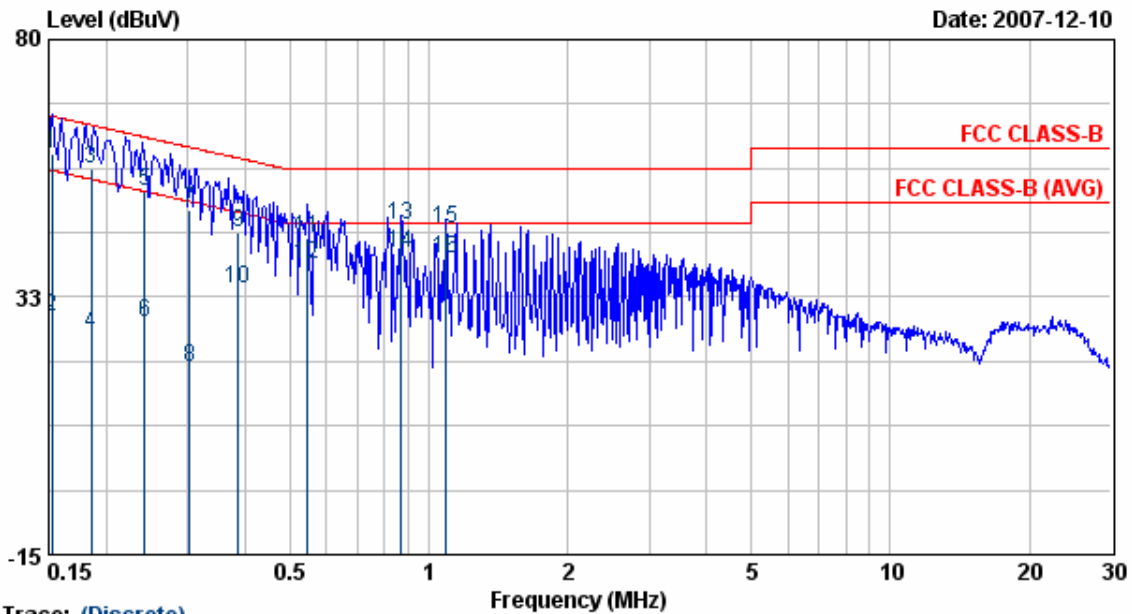
Frequency (MHz)	Quasi Peak (dB $\mu$ V)	Average (dB $\mu$ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

### 4.4. Measurement equipment

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

4.5. Test Result and Data

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 1	: 802.11a CH36	Temperature	: 25 °C
Memo	: DSA-20P-10 US 120144	Humidity	: 51 %

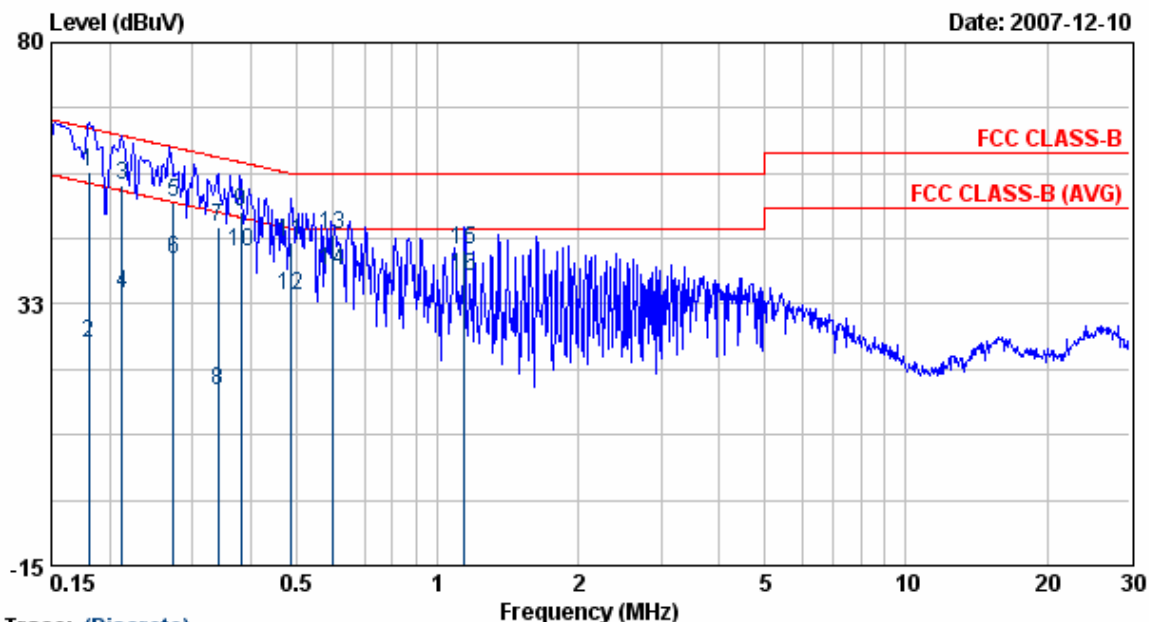


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.15	58.99	0.10	59.09	65.85	-6.75	QP
2	0.15	28.94	0.10	29.04	55.85	-26.81	AVERAGE
3	0.19	56.10	0.10	56.21	64.23	-8.02	QP
4	0.19	25.58	0.10	25.69	54.23	-28.55	AVERAGE
5	0.24	51.83	0.11	51.95	62.02	-10.08	QP
6	0.24	27.59	0.11	27.70	52.02	-24.32	AVERAGE
7	0.30	48.43	0.12	48.55	60.15	-11.61	QP
8	0.30	19.39	0.12	19.51	50.15	-30.65	AVERAGE
9	0.39	44.42	0.12	44.54	58.13	-13.59	QP
10	0.39	33.84	0.12	33.96	48.13	-14.18	AVERAGE
11	0.54	43.09	0.13	43.22	56.00	-12.78	QP
12	0.54	38.50	0.13	38.63	46.00	-7.37	AVERAGE
13	0.87	45.66	0.15	45.81	56.00	-10.19	QP
14	0.87	40.31	0.15	40.46	46.00	-5.54	AVERAGE
15	1.09	44.89	0.16	45.05	56.00	-10.95	QP
16	1.09	39.45	0.16	39.61	46.00	-6.39	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  4. The data is worse case.

Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 1	: 802.11a CH36	Temperature	: 25 °C
Memo	: DSA-20P-10 US 120144	Humidity	: 51 %



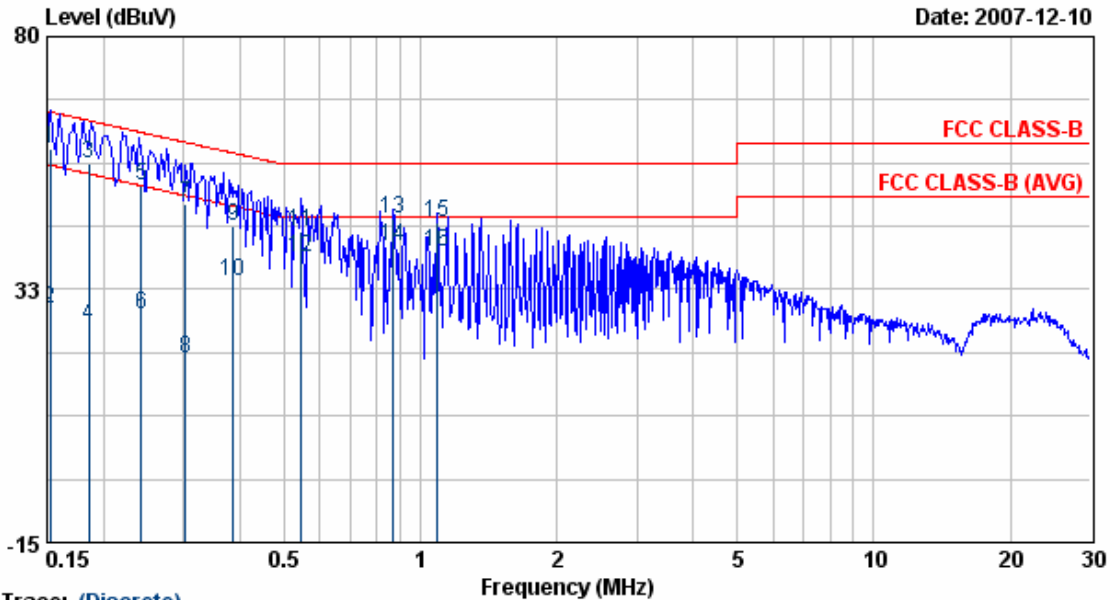
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.18	56.37	0.09	56.46	64.46	-7.99	QP
2	0.18	25.31	0.09	25.40	54.46	-29.06	AVERAGE
3	0.21	53.89	0.09	53.98	63.12	-9.13	QP
4	0.21	34.35	0.09	34.44	53.12	-18.68	AVERAGE
5	0.27	50.94	0.10	51.04	61.00	-9.97	QP
6	0.27	40.40	0.10	40.50	51.00	-10.51	AVERAGE
7	0.34	46.28	0.11	46.39	59.18	-12.79	QP
8	0.34	16.68	0.11	16.78	49.18	-32.40	AVERAGE
9	0.38	49.19	0.11	49.30	58.27	-8.97	QP
10	0.38	41.94	0.11	42.05	48.27	-6.22	AVERAGE
11	0.49	43.66	0.12	43.78	56.21	-12.42	QP
12	0.49	33.83	0.12	33.95	46.21	-12.26	AVERAGE
13	0.60	44.95	0.13	45.08	56.00	-10.92	QP
14	0.60	38.48	0.13	38.61	46.00	-7.39	AVERAGE
15	1.14	42.32	0.16	42.48	56.00	-13.52	QP
16	1.14	37.40	0.16	37.56	46.00	-8.44	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  4. The data is worse case.



Power	: AC 120V	Pol/Phase	: LINE
Test Mode 5	: 802.11Draft n, 20MHz CH36	Temperature	: 25 °C
Memo	: DSA-20P-10 US 120144	Humidity	: 51 %

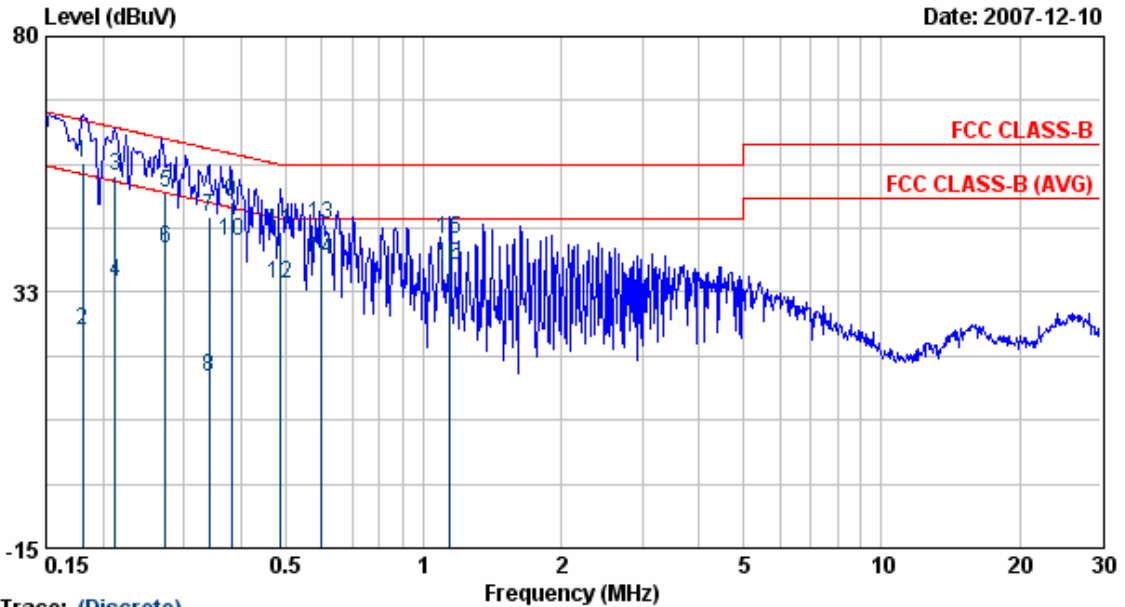


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.15	58.94	0.10	59.04	65.85	-6.80	QP
2	0.15	28.94	0.10	29.04	55.85	-26.81	AVERAGE
3	0.19	56.10	0.10	56.21	64.23	-8.02	QP
4	0.19	25.58	0.10	25.69	54.23	-28.55	AVERAGE
5	0.24	51.83	0.11	51.95	62.02	-10.08	QP
6	0.24	27.59	0.11	27.70	52.02	-24.32	AVERAGE
7	0.30	48.43	0.12	48.55	60.15	-11.61	QP
8	0.30	19.39	0.12	19.51	50.15	-30.65	AVERAGE
9	0.39	44.42	0.12	44.54	58.13	-13.59	QP
10	0.39	33.84	0.12	33.96	48.13	-14.18	AVERAGE
11	0.54	43.09	0.13	43.22	56.00	-12.78	QP
12	0.54	38.50	0.13	38.63	46.00	-7.37	AVERAGE
13	0.87	45.66	0.15	45.81	56.00	-10.19	QP
14	0.87	40.31	0.15	40.46	46.00	-5.54	AVERAGE
15	1.09	44.89	0.16	45.05	56.00	-10.95	QP
16	1.09	39.45	0.16	39.61	46.00	-6.39	AVERAGE

- Remarks:
- Level = Read Level + Factor
  - Factor = LISN(ISN) Factor + Cable Loss
  - According to technical experiences, all spurious emission of 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  - The data is worse case.

Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 5	: 802.11Draft n, 20MHz CH36	Temperature	: 25 °C
Memo	: DSA-20P-10 US 120144	Humidity	: 51 %

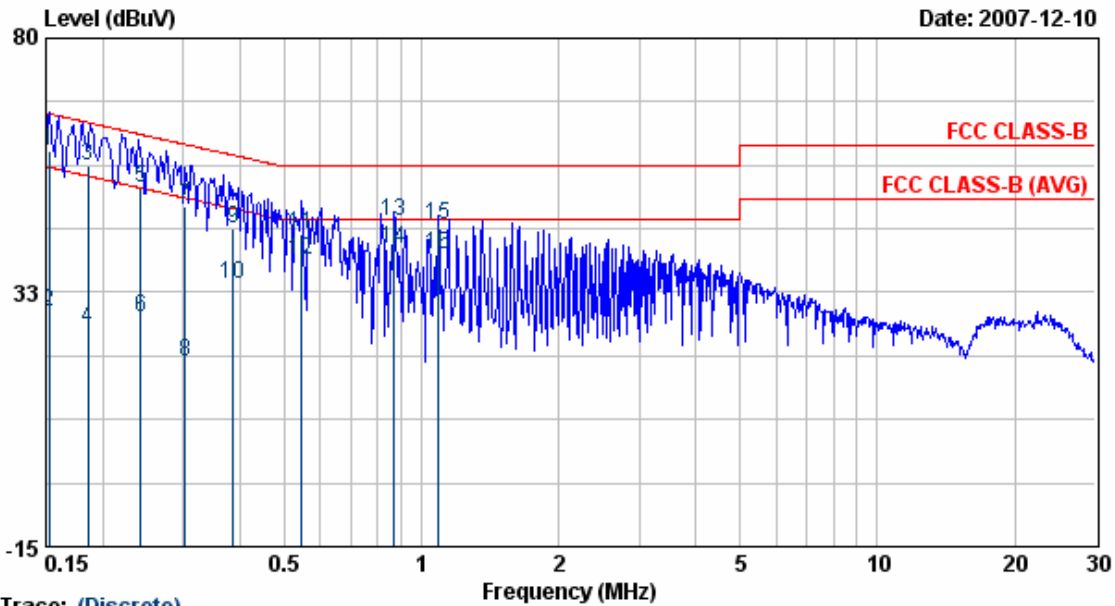


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.18	56.37	0.09	56.46	64.46	-7.99	QP
2	0.18	25.37	0.09	25.46	54.46	-29.00	AVERAGE
3	0.21	53.89	0.09	53.98	63.12	-9.13	QP
4	0.21	34.35	0.09	34.44	53.12	-18.68	AVERAGE
5	0.27	50.94	0.10	51.04	61.00	-9.97	QP
6	0.27	40.40	0.10	40.50	51.00	-10.51	AVERAGE
7	0.34	46.28	0.11	46.39	59.18	-12.79	QP
8	0.34	16.68	0.11	16.78	49.18	-32.40	AVERAGE
9	0.38	49.19	0.11	49.30	58.27	-8.97	QP
10	0.38	41.94	0.11	42.05	48.27	-6.22	AVERAGE
11	0.49	43.66	0.12	43.78	56.21	-12.42	QP
12	0.49	33.83	0.12	33.95	46.21	-12.26	AVERAGE
13	0.60	44.95	0.13	45.08	56.00	-10.92	QP
14	0.60	38.48	0.13	38.61	46.00	-7.39	AVERAGE
15	1.14	42.32	0.16	42.48	56.00	-13.52	QP
16	1.14	37.40	0.16	37.56	46.00	-8.44	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  4. The data is worse case.

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 9	: 802.11Draft n, 40MHz CH38	Temperature	: 25 °C
Memo	: DSA-20P-10 US 120144	Humidity	: 51 %

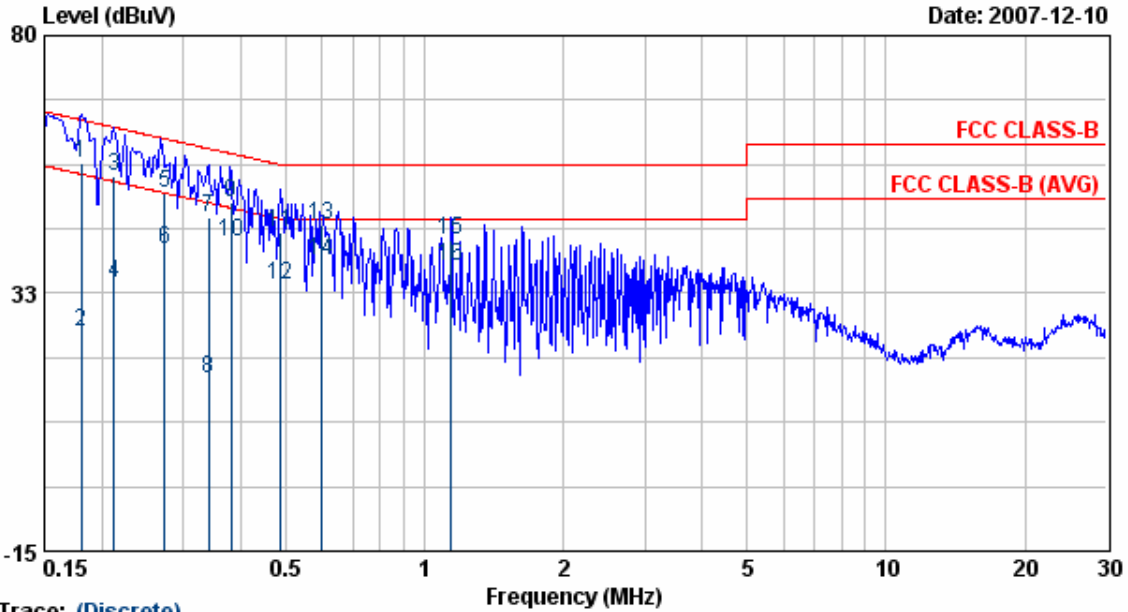


Trace: (Discrete)

Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	0.15	58.94	0.10	59.04	65.85	-6.80	QP
2	0.15	28.91	0.10	29.01	55.85	-26.84	AVERAGE
3	0.19	56.14	0.10	56.24	64.23	-7.99	QP
4	0.19	25.52	0.10	25.62	54.23	-28.61	AVERAGE
5	0.24	51.83	0.11	51.95	62.02	-10.08	QP
6	0.24	27.59	0.11	27.70	52.02	-24.32	AVERAGE
7	0.30	48.43	0.12	48.55	60.15	-11.61	QP
8	0.30	19.39	0.12	19.51	50.15	-30.65	AVERAGE
9	0.39	44.42	0.12	44.54	58.13	-13.59	QP
10	0.39	33.84	0.12	33.96	48.13	-14.18	AVERAGE
11	0.54	43.09	0.13	43.22	56.00	-12.78	QP
12	0.54	38.50	0.13	38.63	46.00	-7.37	AVERAGE
13	0.87	45.66	0.15	45.81	56.00	-10.19	QP
14	0.87	40.31	0.15	40.46	46.00	-5.54	AVERAGE
15	1.09	44.89	0.16	45.05	56.00	-10.95	QP
16	1.09	39.45	0.16	39.61	46.00	-6.39	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
  4. The data is worse case.

Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 9	: 802.11Draft n, 40MHz CH38	Temperature	: 25 °C
Memo	: DSA-20P-10 US 120144	Humidity	: 51 %

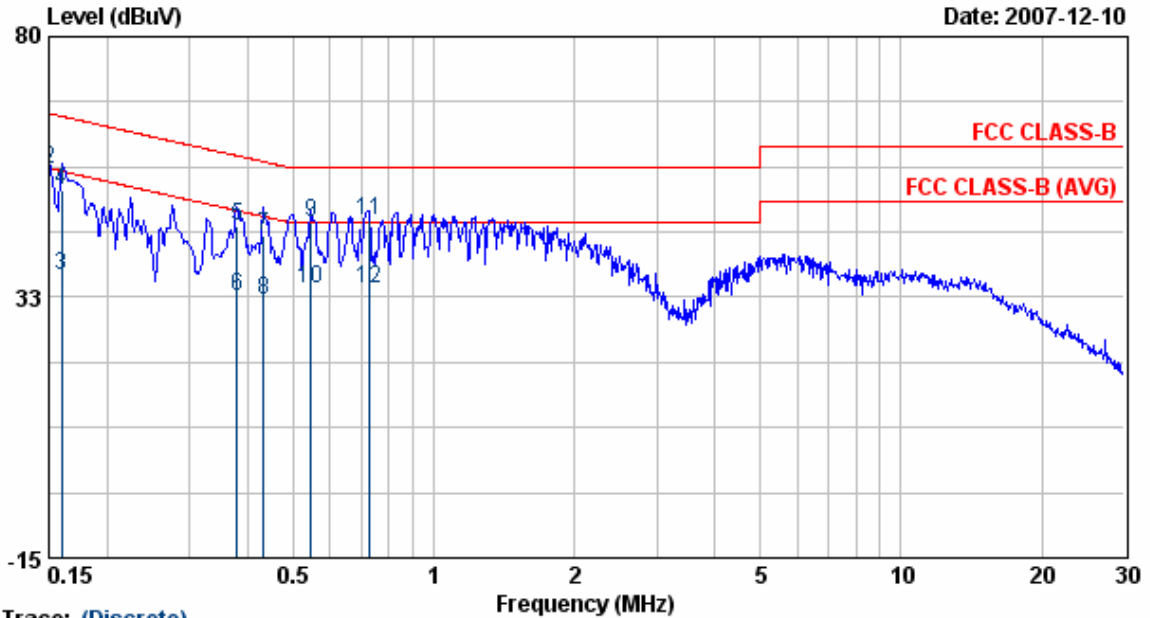


Trace: (Discrete)

Item	Freq MHz	Read Value dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dBuV	Remark
1	0.18	56.33	0.09	56.42	64.46	-8.03	QP
2	0.18	25.31	0.09	25.40	54.46	-29.06	AVERAGE
3	0.21	53.89	0.09	53.98	63.12	-9.13	QP
4	0.21	34.35	0.09	34.44	53.12	-18.68	AVERAGE
5	0.27	50.94	0.10	51.04	61.00	-9.97	QP
6	0.27	40.40	0.10	40.50	51.00	-10.51	AVERAGE
7	0.34	46.28	0.11	46.39	59.18	-12.79	QP
8	0.34	16.68	0.11	16.78	49.18	-32.40	AVERAGE
9	0.38	49.19	0.11	49.30	58.27	-8.97	QP
10	0.38	41.94	0.11	42.05	48.27	-6.22	AVERAGE
11	0.49	43.66	0.12	43.78	56.21	-12.42	QP
12	0.49	33.83	0.12	33.95	46.21	-12.26	AVERAGE
13	0.60	44.95	0.13	45.08	56.00	-10.92	QP
14	0.60	38.48	0.13	38.61	46.00	-7.39	AVERAGE
15	1.14	42.32	0.16	42.48	56.00	-13.52	QP
16	1.14	37.40	0.16	37.56	46.00	-8.44	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss  
 3. According to technical experiences, all spurious emission of 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.  
 4. The data is worse case.

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 13	: 802.11a CH36	Temperature	: 25 °C
Memo	: MT18-Y120120-A1	Humidity	: 51 %

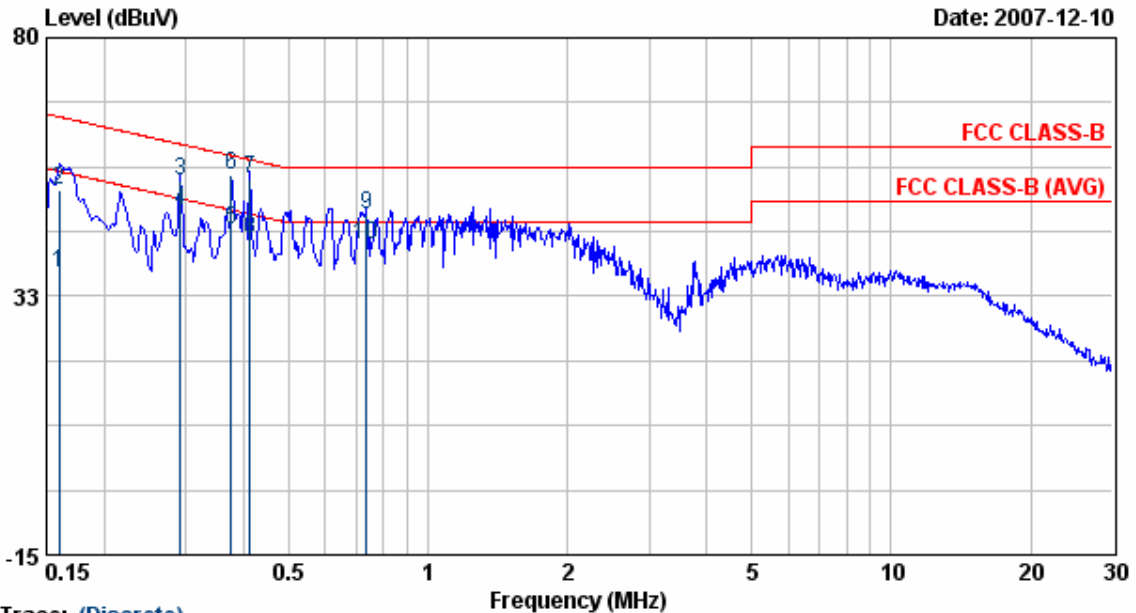


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.15	33.85	0.10	33.95	56.00	-22.05	AVERAGE
2	0.15	55.88	0.10	55.98	66.00	-10.02	QP
3	0.16	36.35	0.10	36.45	55.47	-19.02	AVERAGE
4	0.16	52.00	0.10	52.10	65.47	-13.37	QP
5	0.38	45.45	0.12	45.57	58.30	-12.73	QP
6	0.38	32.41	0.12	32.53	48.30	-15.77	AVERAGE
7	0.43	43.66	0.12	43.79	57.20	-13.41	QP
8	0.43	31.71	0.12	31.83	47.20	-15.37	AVERAGE
9	0.55	45.98	0.13	46.11	56.00	-9.89	QP
10	0.55	33.78	0.13	33.91	46.00	-12.09	AVERAGE
11	0.73	46.28	0.14	46.42	56.00	-9.58	QP
12	0.73	33.78	0.14	33.92	46.00	-12.08	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  4. The data is worse case.

Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 13	: 802.11a CH36	Temperature	: 25 °C
Memo	: MT18-Y120120-A1	Humidity	: 51 %

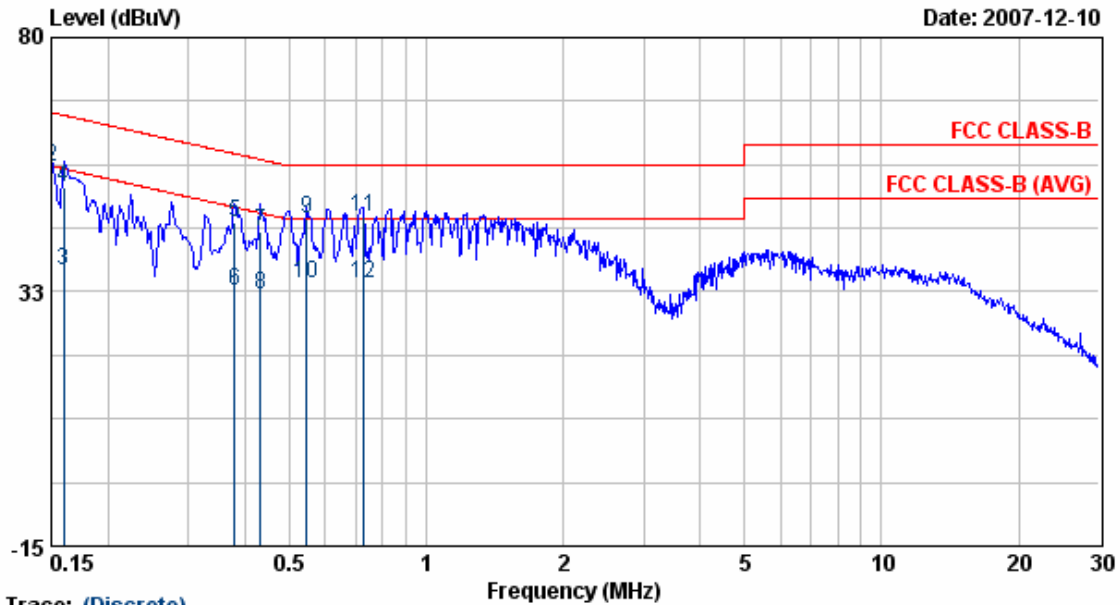


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	36.84	0.09	36.93	55.47	-18.54	AVERAGE
2	0.16	51.99	0.09	52.08	65.47	-13.39	QP
3	0.29	53.62	0.10	53.72	60.46	-6.74	QP
4	0.29	48.04	0.10	48.14	50.46	-2.32	AVERAGE
5	0.38	44.74	0.11	44.85	48.39	-3.54	AVERAGE
6	0.38	54.77	0.11	54.88	58.39	-3.50	QP
7	0.41	53.92	0.11	54.03	57.59	-3.56	QP
8	0.41	42.91	0.11	43.02	47.59	-4.57	AVERAGE
9	0.74	47.35	0.14	47.49	56.00	-8.51	QP
10	0.74	42.02	0.14	42.15	46.00	-3.85	AVERAGE

Remarks: 1. Level = Read Level + Factor  
 2. Factor = LISN(ISN) Factor + Cable Loss  
 3. According to technical experiences, all spurious emission of 802.11a mode at channel 36, 44, 48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.  
 4. The data is worse case.

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 17	: 802.11Draft n, 20MHz CH36	Temperature	: 25 °C
Memo	: MT18-Y120120-A1	Humidity	: 51 %

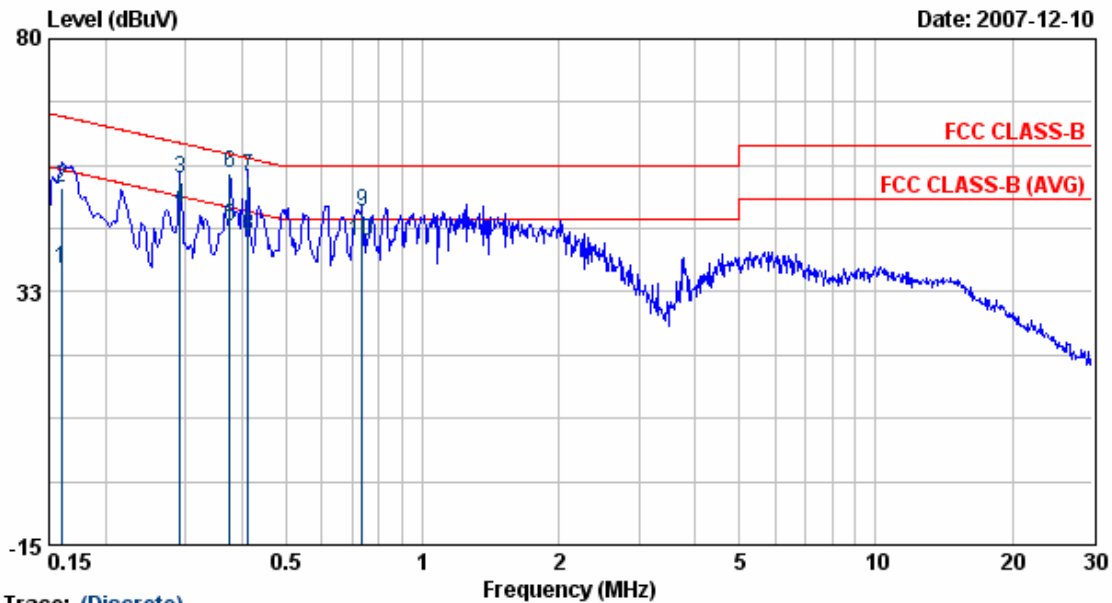


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.15	33.83	0.10	33.93	56.00	-22.07	AVERAGE
2	0.15	55.88	0.10	55.98	66.00	-10.02	QP
3	0.16	36.35	0.10	36.45	55.47	-19.02	AVERAGE
4	0.16	52.00	0.10	52.10	65.47	-13.37	QP
5	0.38	45.45	0.12	45.57	58.30	-12.73	QP
6	0.38	32.41	0.12	32.53	48.30	-15.77	AVERAGE
7	0.43	43.66	0.12	43.79	57.20	-13.41	QP
8	0.43	31.71	0.12	31.83	47.20	-15.37	AVERAGE
9	0.55	45.98	0.13	46.11	56.00	-9.89	QP
10	0.55	33.78	0.13	33.91	46.00	-12.09	AVERAGE
11	0.73	46.28	0.14	46.42	56.00	-9.58	QP
12	0.73	33.78	0.14	33.92	46.00	-12.08	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  4. The data is worse case.

Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 17	: 802.11Draft n, 20MHz CH36	Temperature	: 25 °C
Memo	: MT18-Y120120-A1	Humidity	: 51 %



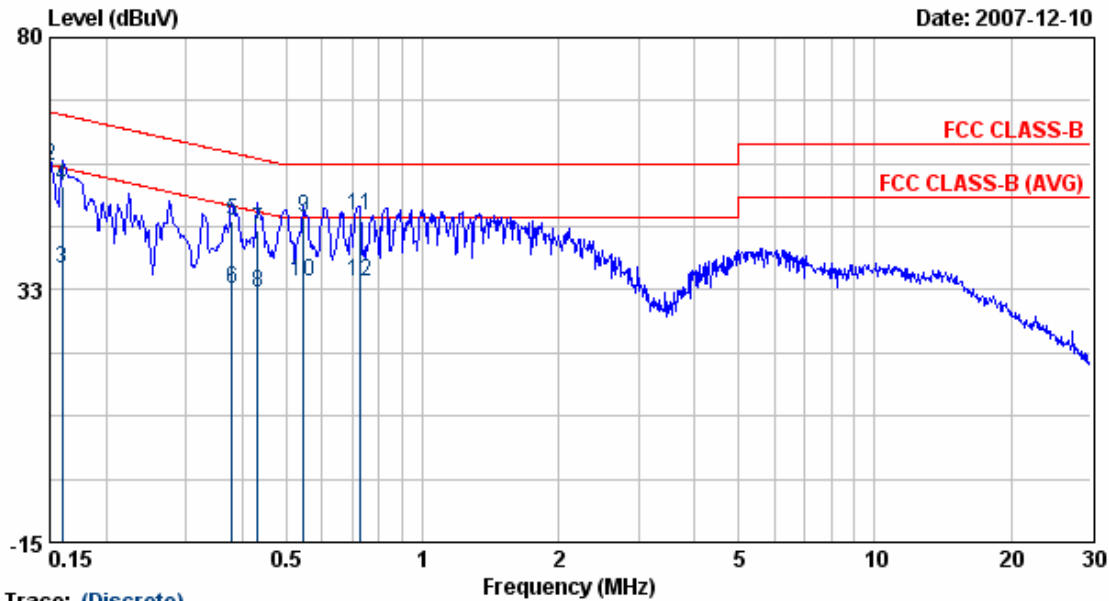
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	36.84	0.09	36.93	55.47	-18.54	AVERAGE
2	0.16	51.99	0.09	52.08	65.47	-13.39	QP
3	0.29	53.62	0.10	53.72	60.46	-6.74	QP
4	0.29	48.04	0.10	48.14	50.46	-2.32	AVERAGE
5	0.38	44.74	0.11	44.85	48.39	-3.54	AVERAGE
6	0.38	54.77	0.11	54.88	58.39	-3.50	QP
7	0.41	53.92	0.11	54.03	57.59	-3.56	QP
8	0.41	42.91	0.11	43.02	47.59	-4.57	AVERAGE
9	0.74	47.35	0.14	47.49	56.00	-8.51	QP
10	0.74	42.02	0.14	42.15	46.00	-3.85	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
  4. The data is worse case.



Power	: AC 120V	Pol/Phase	: LINE
Test Mode 21	: 802.11Draft n, 40MHz CH38	Temperature	: 25 °C
Memo	: MT18-Y120120-A1	Humidity	: 51 %

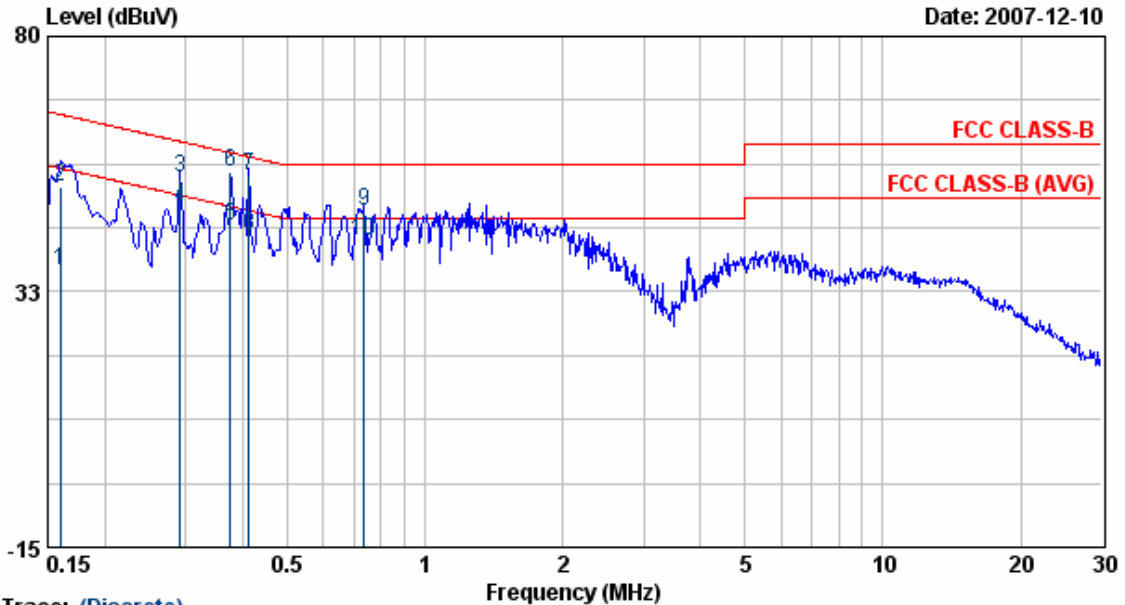


Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.15	33.83	0.10	33.93	56.00	-22.07	AVERAGE
2	0.15	55.88	0.10	55.98	66.00	-10.02	QP
3	0.16	36.35	0.10	36.45	55.47	-19.02	AVERAGE
4	0.16	52.00	0.10	52.10	65.47	-13.37	QP
5	0.38	45.45	0.12	45.57	58.30	-12.73	QP
6	0.38	32.41	0.12	32.53	48.30	-15.77	AVERAGE
7	0.43	43.66	0.12	43.79	57.20	-13.41	QP
8	0.43	31.71	0.12	31.83	47.20	-15.37	AVERAGE
9	0.55	45.98	0.13	46.11	56.00	-9.89	QP
10	0.55	33.78	0.13	33.91	46.00	-12.09	AVERAGE
11	0.73	46.28	0.14	46.42	56.00	-9.58	QP
12	0.73	33.78	0.14	33.92	46.00	-12.08	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
  4. The data is worse case.

Power	: AC 120V	Pol/Phase	: NEUTRAL
Test Mode 21	: 802.11Draft n, 40MHz CH38	Temperature	: 25 °C
Memo	: MT18-Y120120-A1	Humidity	: 51 %



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark
	MHz	dBuV	dB	dBuV	dBuV	dBuV	
1	0.16	36.44	0.09	36.53	55.47	-18.94	AVERAGE
2	0.16	51.94	0.09	52.03	65.47	-13.44	QP
3	0.29	53.62	0.10	53.72	60.46	-6.74	QP
4	0.29	48.04	0.10	48.14	50.46	-2.32	AVERAGE
5	0.38	44.74	0.11	44.85	48.39	-3.54	AVERAGE
6	0.38	54.77	0.11	54.88	58.39	-3.50	QP
7	0.41	53.92	0.11	54.03	57.59	-3.56	QP
8	0.41	42.91	0.11	43.02	47.59	-4.57	AVERAGE
9	0.74	47.35	0.14	47.49	56.00	-8.51	QP
10	0.74	42.02	0.14	42.15	46.00	-3.85	AVERAGE

- Remarks:
1. Level = Read Level + Factor
  2. Factor = LISN(ISN) Factor + Cable Loss
  3. According to technical experiences, all spurious emission of 802.11an HT40 mode at channel 38, 44, 48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
  4. The data is worse case.

Test engineer: Ben

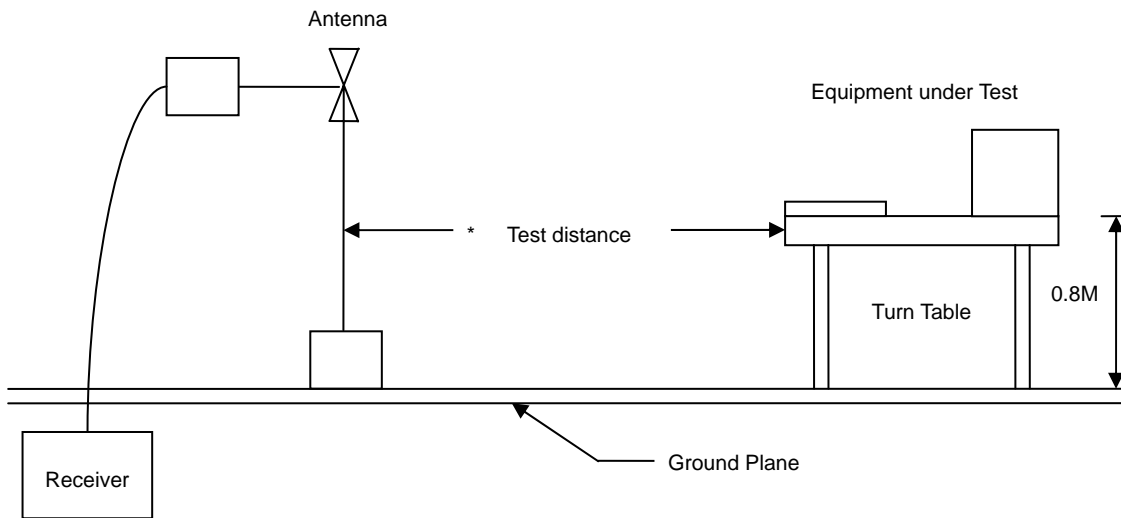
## 5. Test of Radiated Emission

Radiated emissions from 30 MHz to 40 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 1.4.2. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions

### 5.1. Test Procedures

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

### 5.2. Typical Test Setup Layout of Radiated Emission

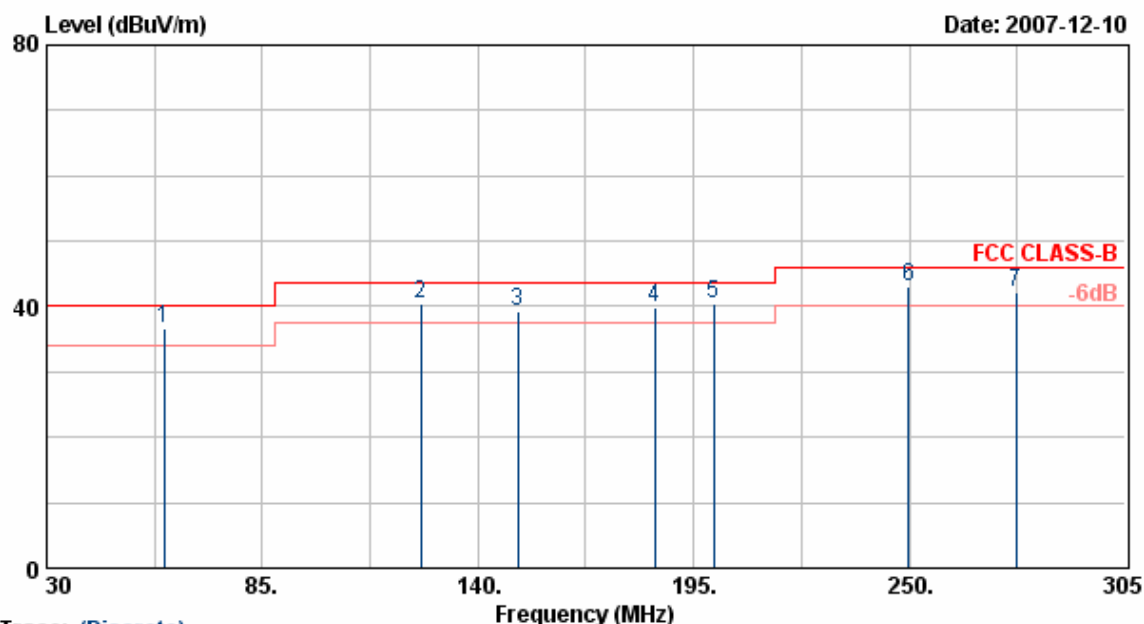


### 5.3. Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
EMI Receiver	85460A	HP	3807A00454	2007/06/05	2008/06/04
Spectrum Analyzer	FSP40	R&S	10047	2007/01/23	2008/01/22
Horn Antenna	3115	EMCO	31589	2007/03/05	2008/03/04
Horn Antenna	3116	EMCO	31970	2007/03/06	2008/03/05
Bilog Antenna	CBL6112B	Schaffner	2840	2007/04/26	2008/04/25
Amplifier	8449B	Agilent	3008A01954	2007/01/12	2008/01/11
Amplifier	8447D	Agilent	2944A10531	2007/09/26	2008/09/25
Amplifier	PA-840	Com-Power	711885	2007/08/28	2008/08/27

### 5.4. Test Result of Radiated Emission

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



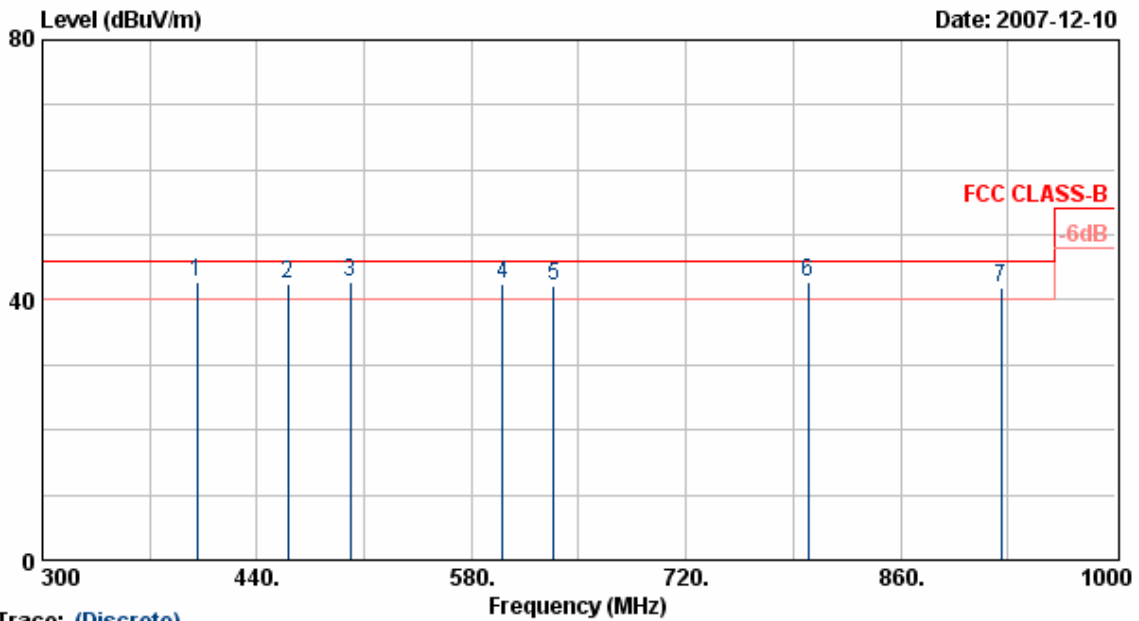
Trace: (Discrete)

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	59.98	54.40	-17.69	36.70	40.00	-3.30	QP	100	164
2	125.43	51.82	-11.45	40.37	43.50	-3.13	QP	100	171
3	150.18	52.36	-13.00	39.36	43.50	-4.14	QP	100	144
4	185.10	51.38	-11.55	39.83	43.50	-3.67	QP	100	185
5	200.23	53.14	-12.76	40.38	43.50	-3.12	QP	100	133
6	249.73	54.02	-11.07	42.94	46.00	-3.06	QP	100	174
7	277.23	54.62	-12.56	42.06	46.00	-3.94	QP	100	155

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



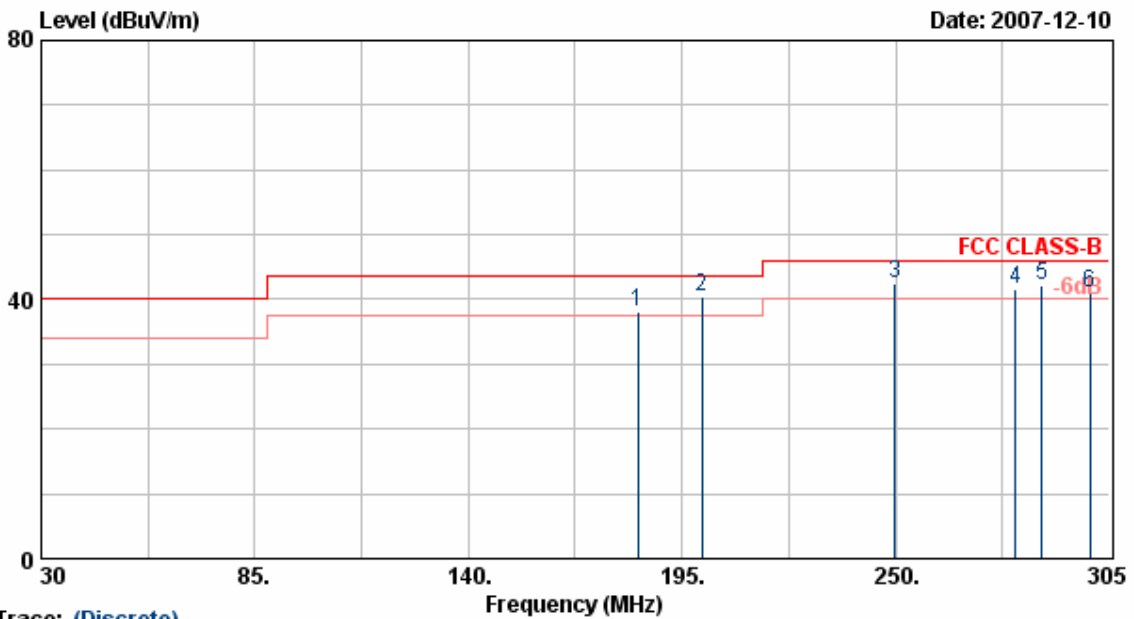
Trace: (Discrete)

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	400.80	52.71	-9.87	42.84	46.00	-3.16	QP	100	171
2	460.30	49.40	-6.92	42.48	46.00	-3.52	QP	100	144
3	500.90	47.49	-4.71	42.78	46.00	-3.22	QP	100	172
4	600.30	50.75	-8.34	42.40	46.00	-3.60	QP	100	155
5	633.90	45.70	-3.49	42.21	46.00	-3.79	QP	100	114
6	799.80	44.83	-1.93	42.90	46.00	-3.10	QP	100	117
7	925.80	38.66	3.25	41.91	46.00	-4.09	QP	100	145

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



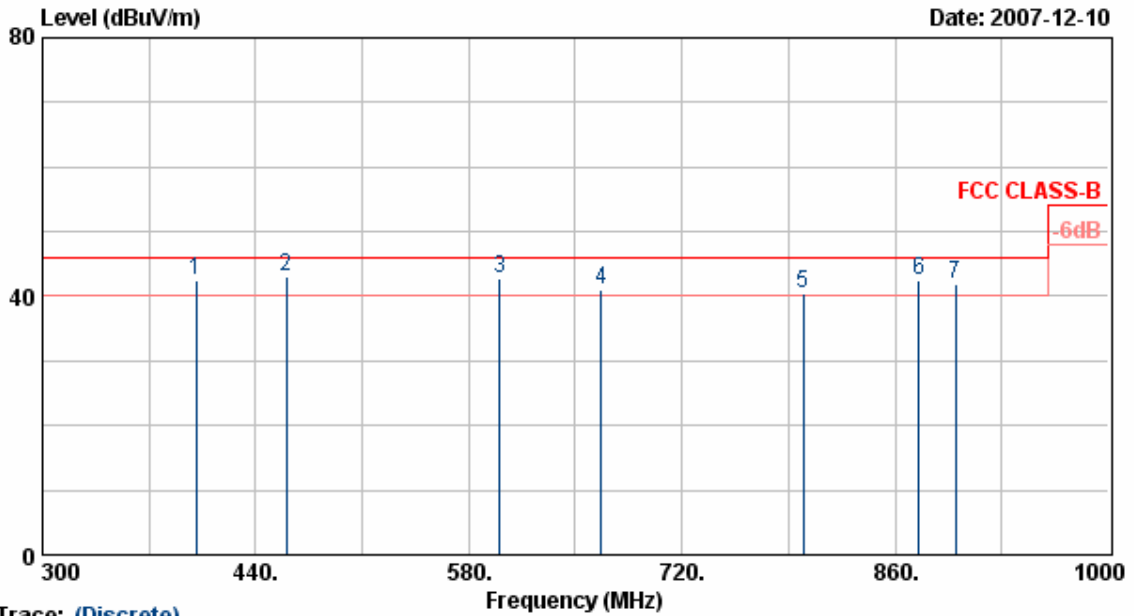
Trace: (Discrete)

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	183.73	59.48	-21.43	38.05	43.50	-5.45	QP	100	136
2	200.23	59.37	-18.99	40.38	43.50	-3.12	QP	100	154
3	249.73	58.16	-15.74	42.41	46.00	-3.59	QP	100	122
4	280.80	54.48	-12.84	41.64	46.00	-4.36	QP	100	157
5	287.68	57.32	-15.04	42.28	46.00	-3.72	QP	100	154
6	300.05	56.58	-15.50	41.08	46.00	-4.92	QP	100	166

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



Trace: (Discrete)

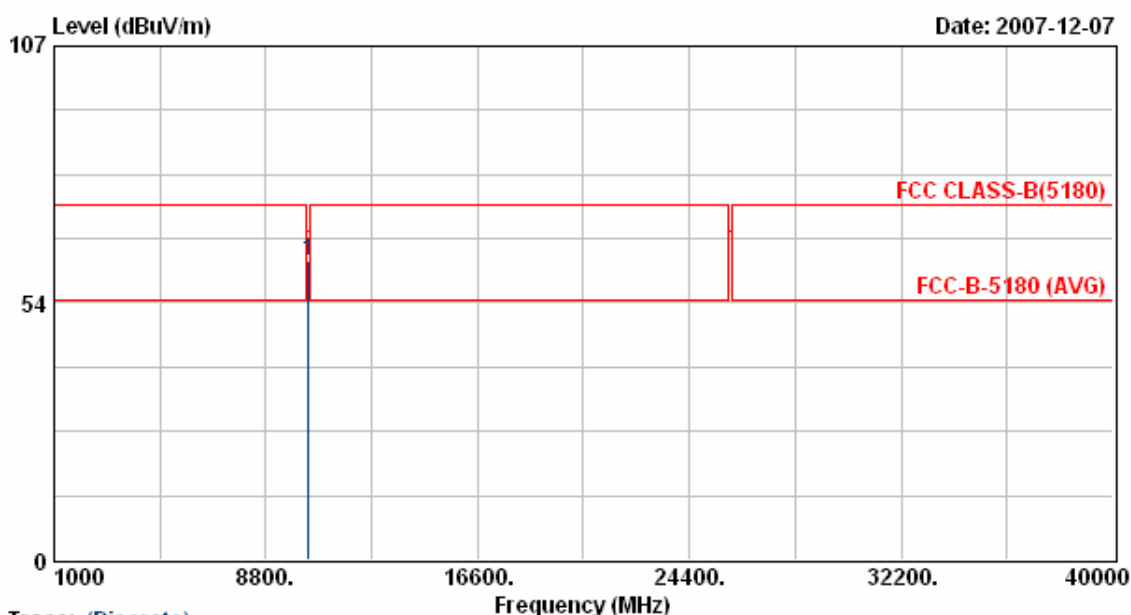
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	400.80	51.73	-9.18	42.55	46.00	-3.45	QP	100	195
2	460.30	50.52	-7.60	42.92	46.00	-3.08	QP	100	174
3	600.30	45.36	-2.54	42.82	46.00	-3.18	QP	100	166
4	666.80	44.32	-3.38	40.95	46.00	-5.05	QP	100	146
5	799.80	44.17	-3.63	40.54	46.00	-5.46	QP	100	188
6	875.40	42.31	0.11	42.41	46.00	-3.59	QP	100	174
7	899.90	39.59	2.40	41.98	46.00	-4.02	QP	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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



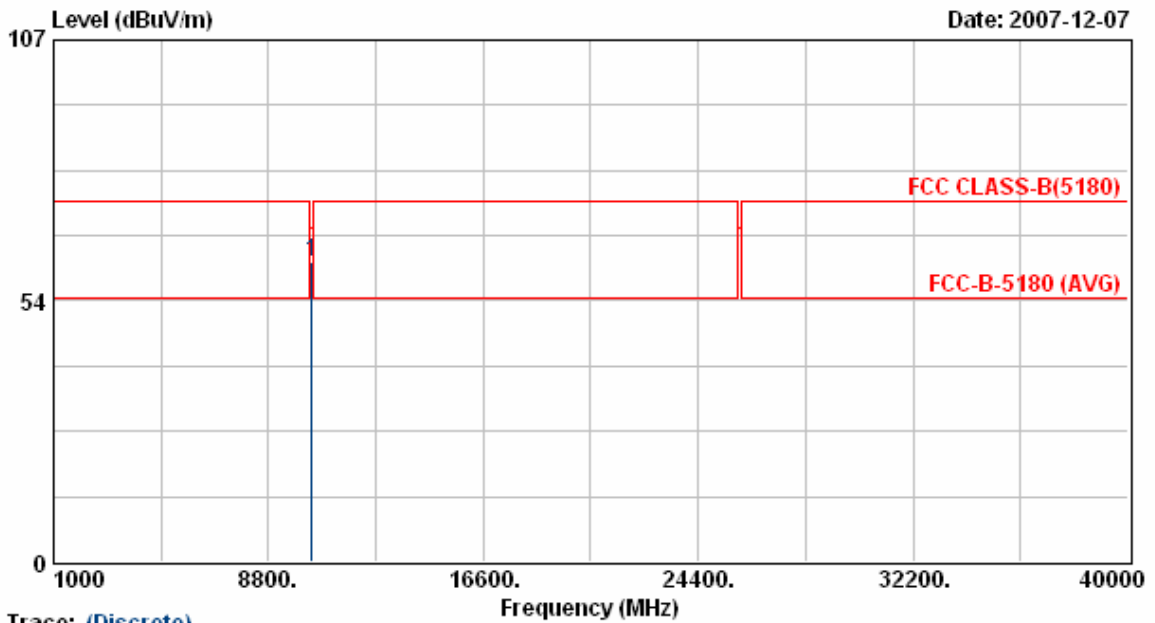
Trace: (Discrete)

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	10360.50	43.48	18.87	62.34	68.30	-5.96	Peak	100	214

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 10kHz 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	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



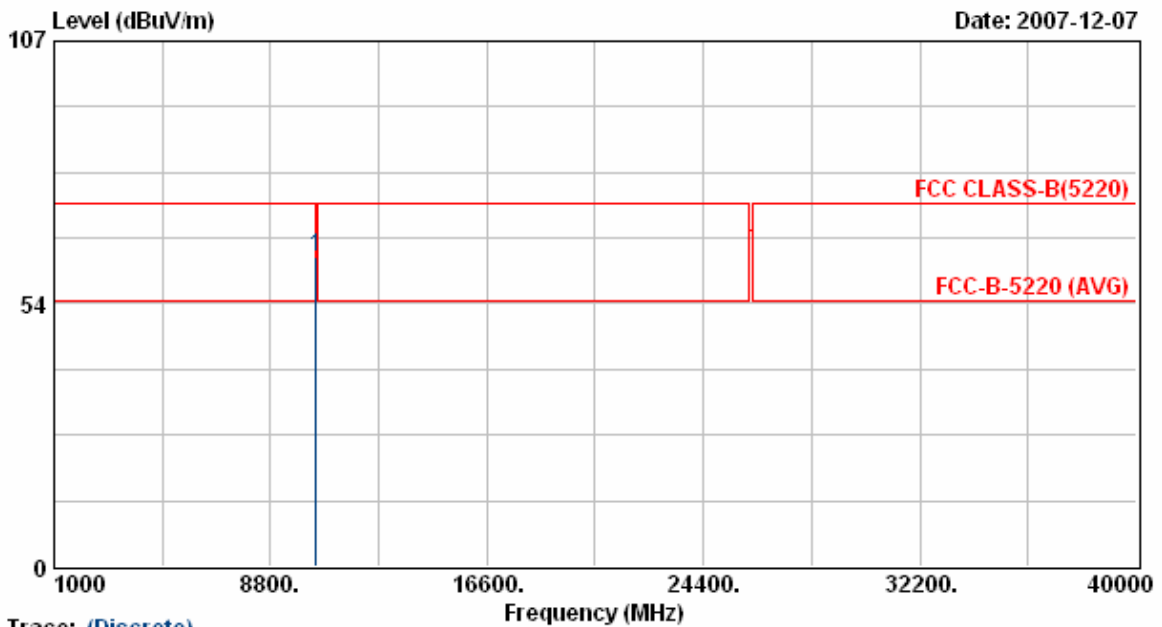
Trace: (Discrete)

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	10360.25	42.53	18.87	61.40	68.30	-6.90	Peak	100	201

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	: 22 °C
Operation Channel	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



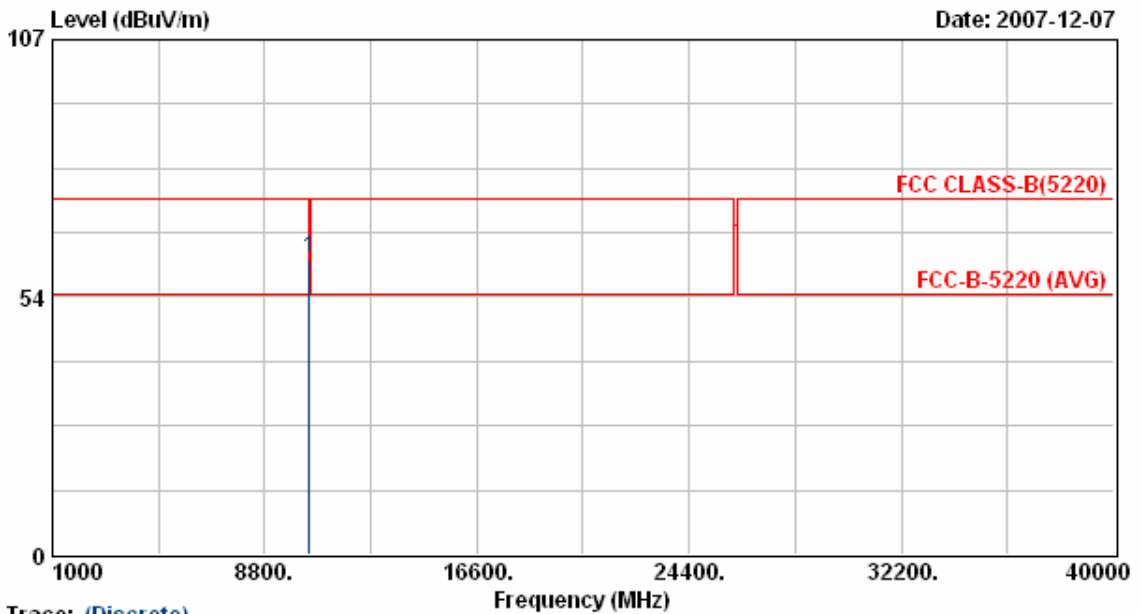
Trace: (Discrete)

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	10440.50	43.97	18.98	62.95	68.30	-5.35	Peak	100	214

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	: 22 °C
Operation Channel	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



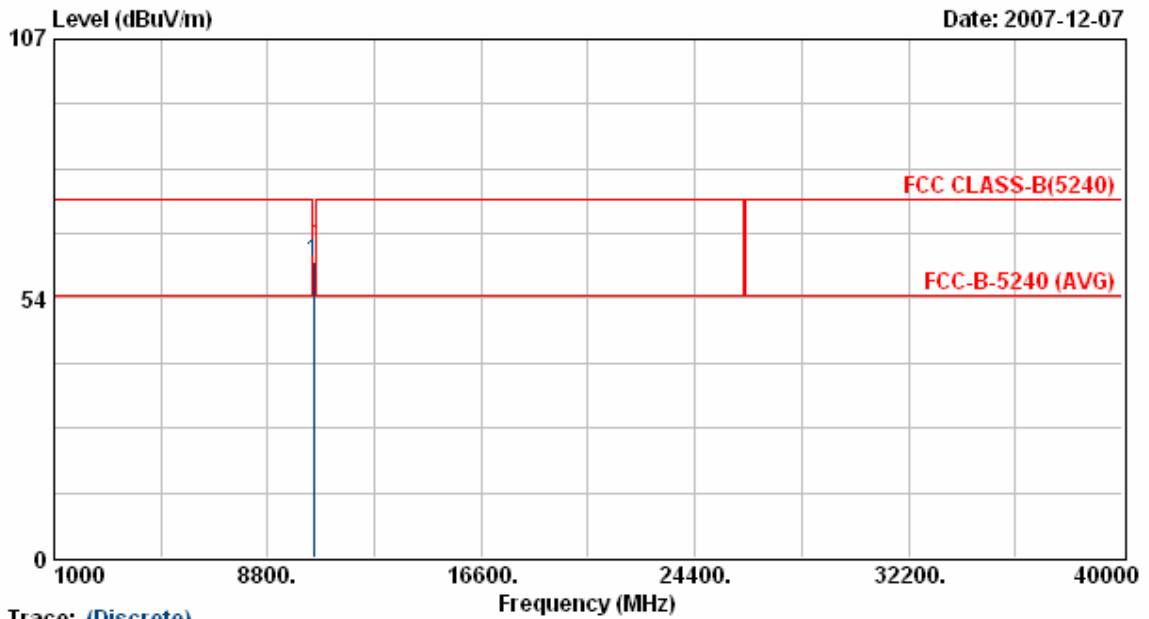
Trace: (Discrete)

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	10440.38	42.48	18.98	61.46	68.30	-6.84	Peak	100	201

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	: 22 °C
Operation Channel	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



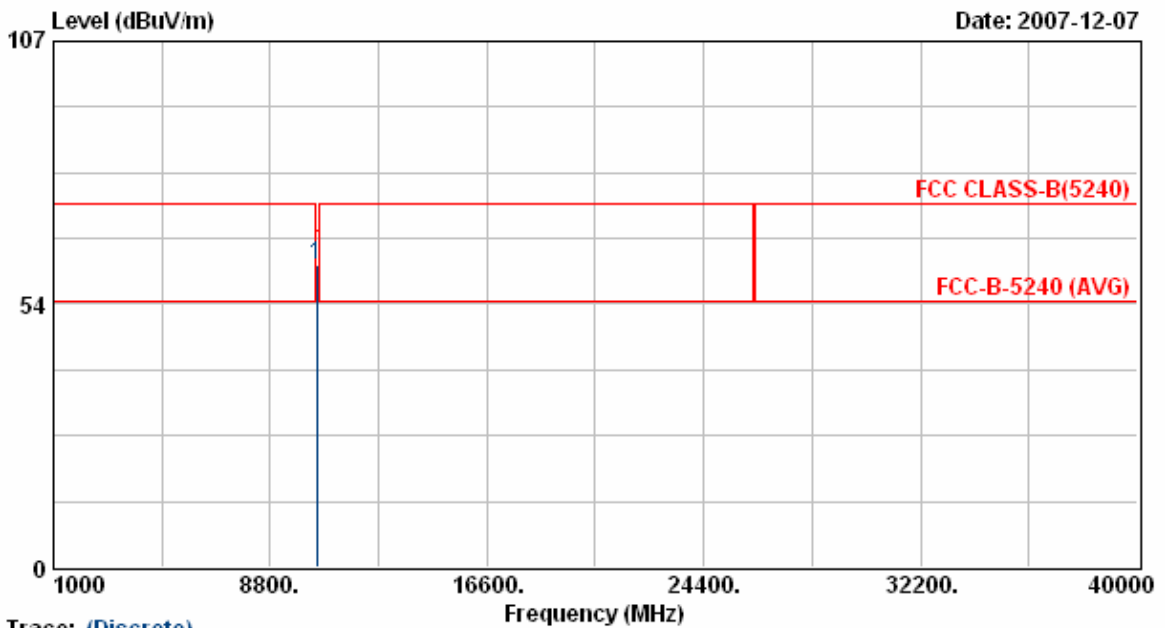
Trace: (Discrete)

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	10480.50	41.91	19.04	60.95	68.30	-7.35	Peak	100	214

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	: 22 °C
Operation Channel	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1	Rate	: 6Mbps



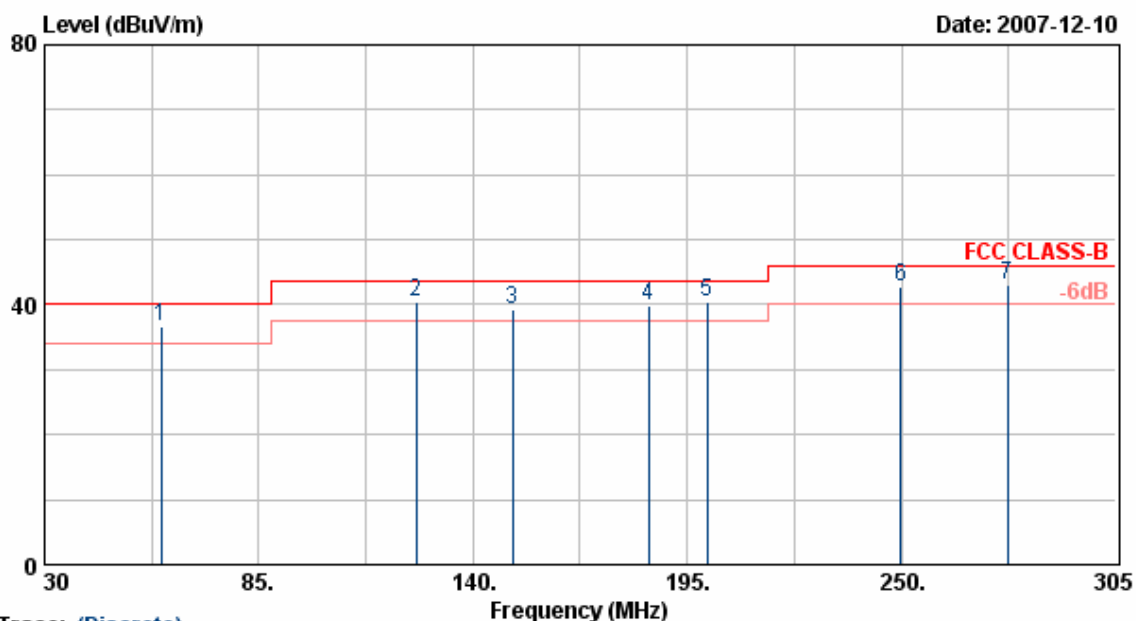
Trace: (Discrete)

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	10480.63	42.40	19.04	61.44	68.30	-6.86	Peak	100	201

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



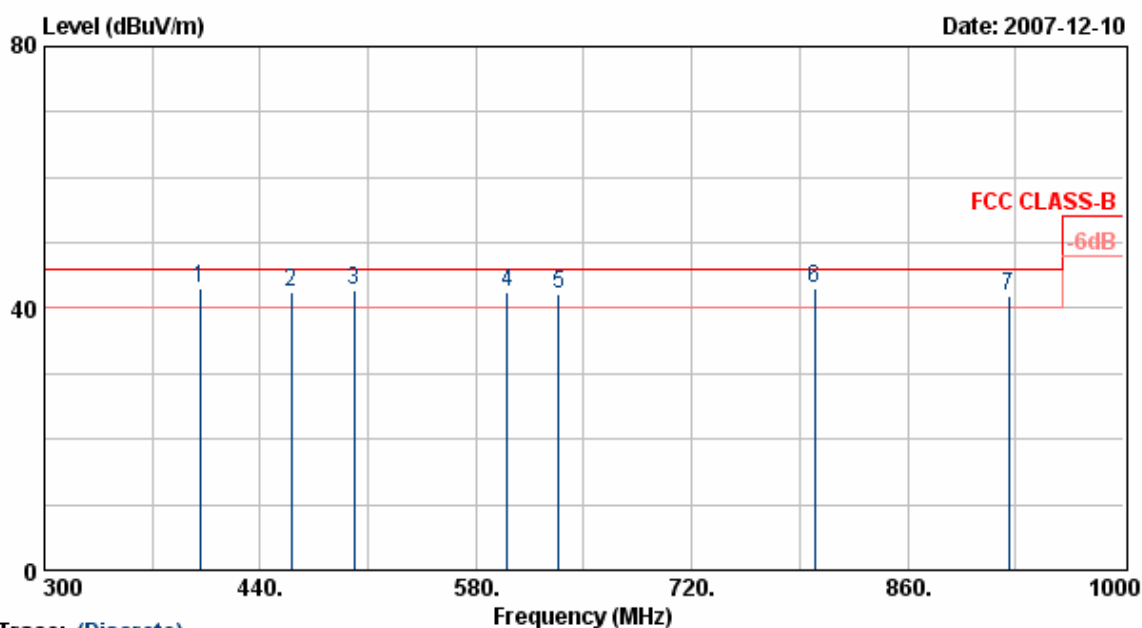
Trace: (Discrete)

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	59.98	54.23	-17.69	36.54	40.00	-3.46	QP	100	164
2	125.43	51.78	-11.45	40.33	43.50	-3.17	QP	100	171
3	150.18	52.37	-13.00	39.37	43.50	-4.13	QP	100	144
4	185.10	51.36	-11.55	39.81	43.50	-3.69	QP	100	185
5	200.23	53.22	-12.76	40.46	43.50	-3.04	QP	100	133
6	249.73	53.77	-11.07	42.70	46.00	-3.30	QP	100	174
7	277.23	55.47	-12.56	42.91	46.00	-3.09	QP	100	155

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



Trace: (Discrete)

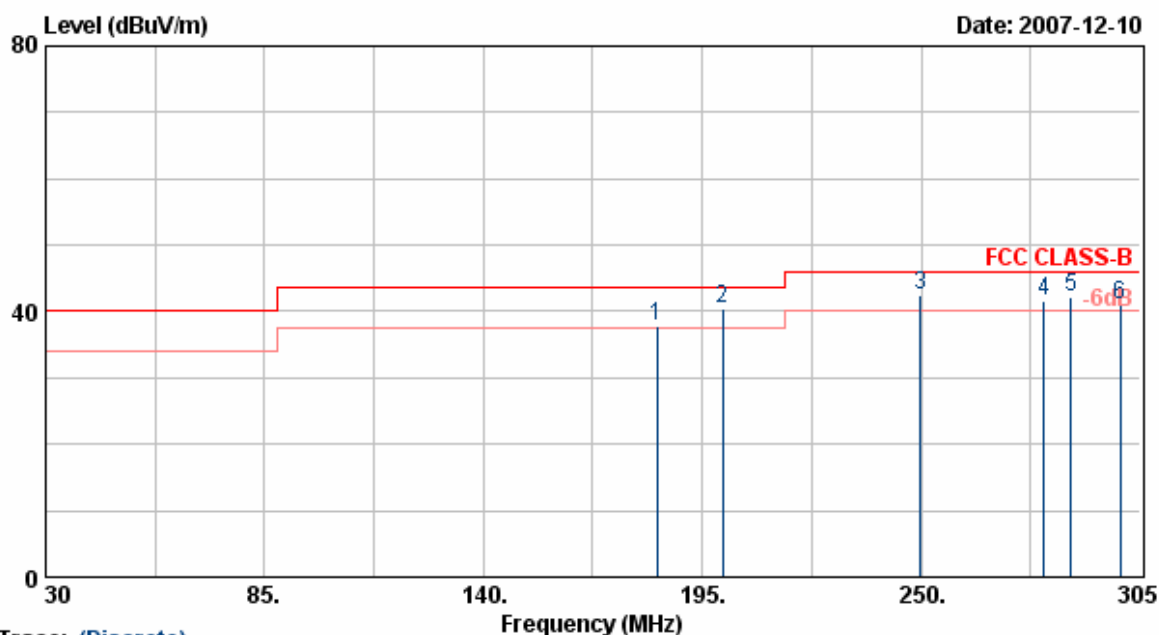
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	400.80	52.78	-9.87	42.91	46.00	-3.09	QP	100	171
2	460.30	49.34	-6.92	42.42	46.00	-3.58	QP	100	144
3	500.90	47.52	-4.71	42.80	46.00	-3.20	QP	100	172
4	600.30	50.77	-8.34	42.43	46.00	-3.57	QP	100	155
5	633.90	45.63	-3.49	42.13	46.00	-3.87	QP	100	114
6	799.80	44.89	-1.93	42.96	46.00	-3.04	QP	100	117
7	925.80	38.63	3.25	41.88	46.00	-4.12	QP	100	145

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



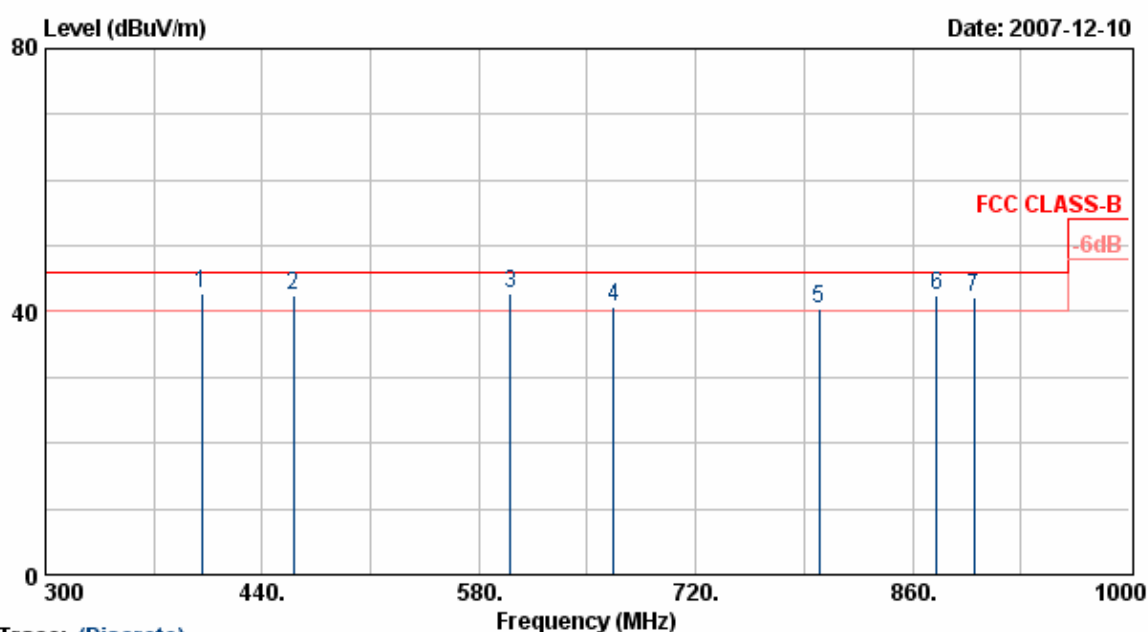
Trace: (Discrete)

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	183.73	59.38	-21.43	37.95	43.50	-5.55	QP	100	136
2	200.23	59.37	-18.99	40.38	43.50	-3.12	QP	100	154
3	249.73	58.16	-15.74	42.41	46.00	-3.59	QP	100	122
4	280.80	54.48	-12.84	41.64	46.00	-4.36	QP	100	157
5	287.68	57.32	-15.04	42.28	46.00	-3.72	QP	100	154
6	300.05	56.58	-15.50	41.08	46.00	-4.92	QP	100	166

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



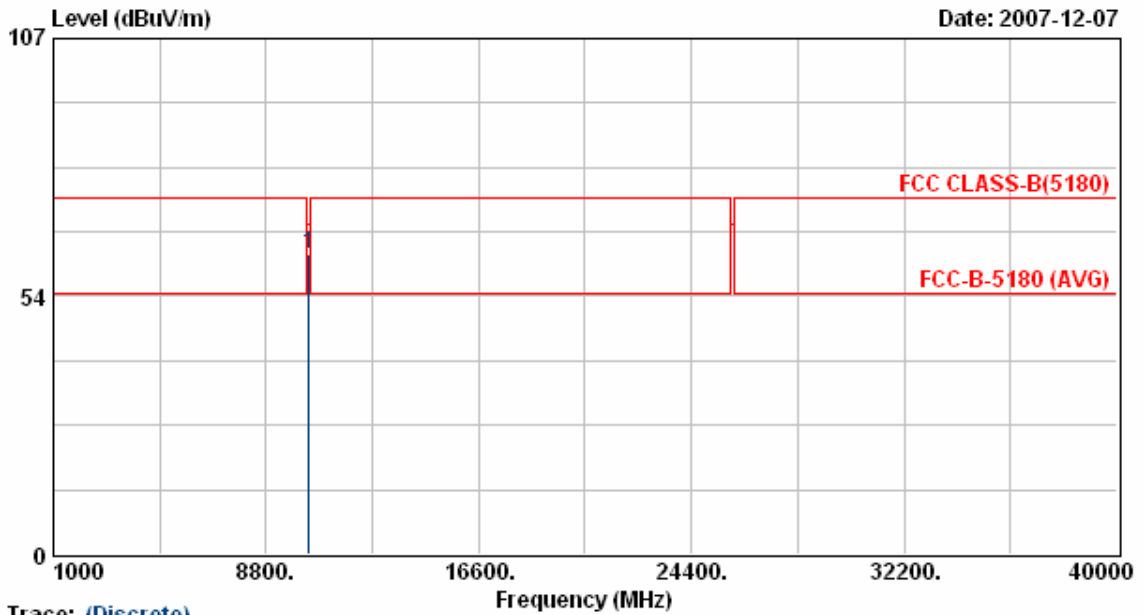
Trace: (Discrete)

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	400.80	51.93	-9.18	42.75	46.00	-3.25	QP	100	195
2	460.30	50.19	-7.60	42.58	46.00	-3.42	QP	100	174
3	600.30	45.39	-2.54	42.85	46.00	-3.15	QP	100	166
4	666.80	44.25	-3.38	40.87	46.00	-5.13	QP	100	146
5	799.80	44.12	-3.63	40.49	46.00	-5.51	QP	100	188
6	875.40	42.40	0.11	42.50	46.00	-3.50	QP	100	174
7	899.90	39.79	2.40	42.19	46.00	-3.81	QP	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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



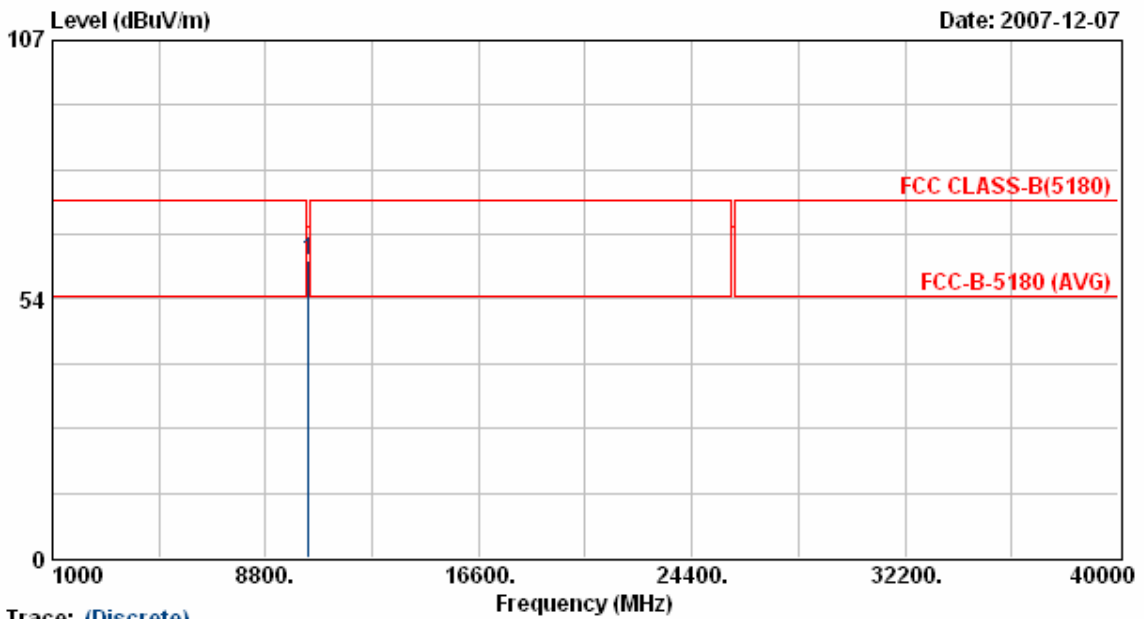
Trace: (Discrete)

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	10360.50	43.48	18.87	62.34	68.30	-5.96	Peak	100	214

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



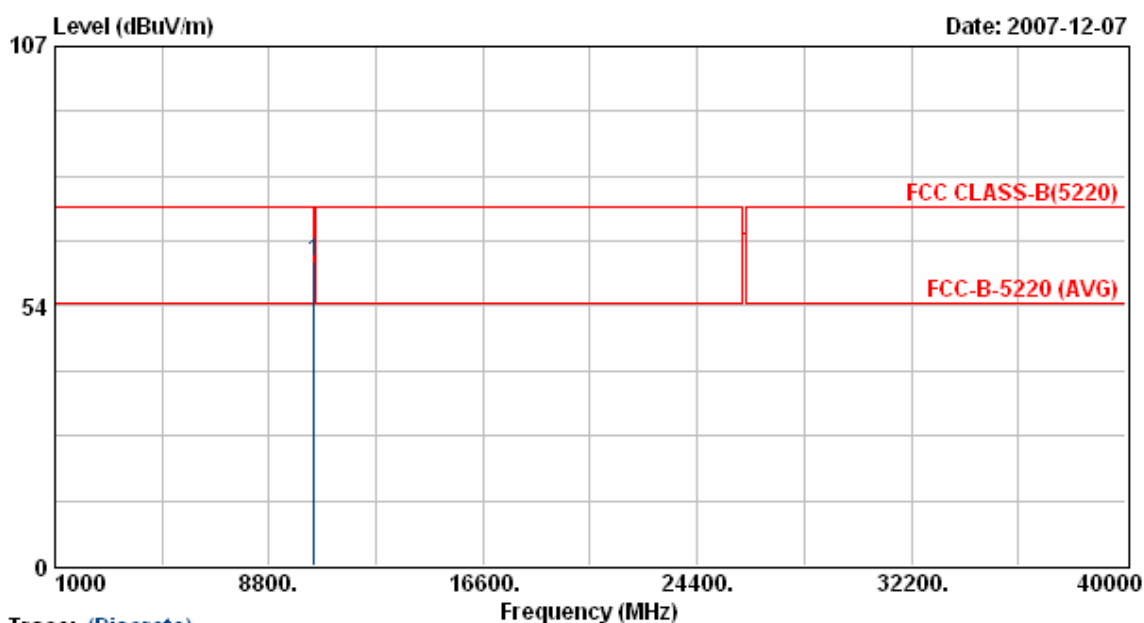
Trace: (Discrete)

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	10360.25	42.53	18.87	61.39	68.30	-6.91	Peak	100	201

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



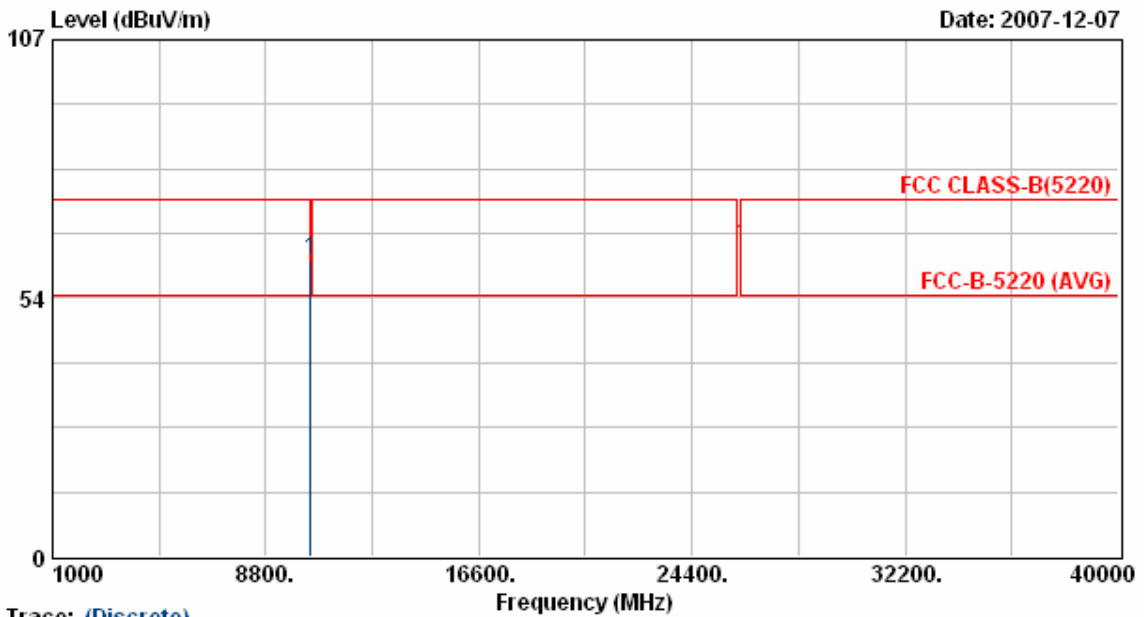
Trace: (Discrete)

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	10440.50	43.52	18.98	62.50	68.30	-5.80	Peak	100	214

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



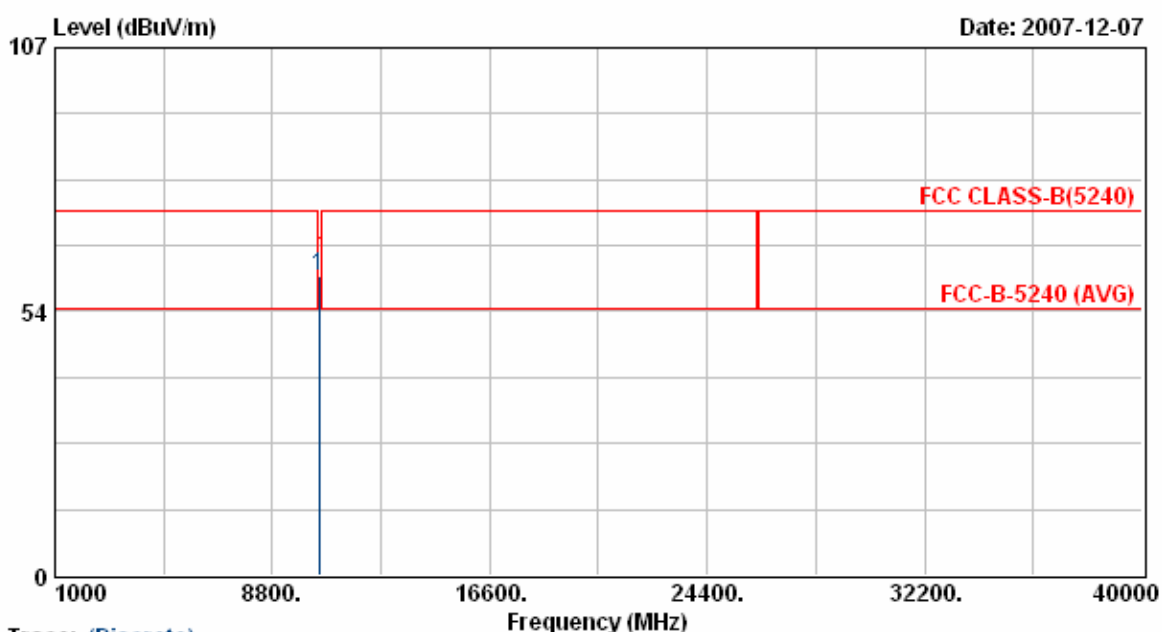
Trace: (Discrete)

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	10440.38	42.48	18.98	61.46	68.30	-6.84	Peak	100	201

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



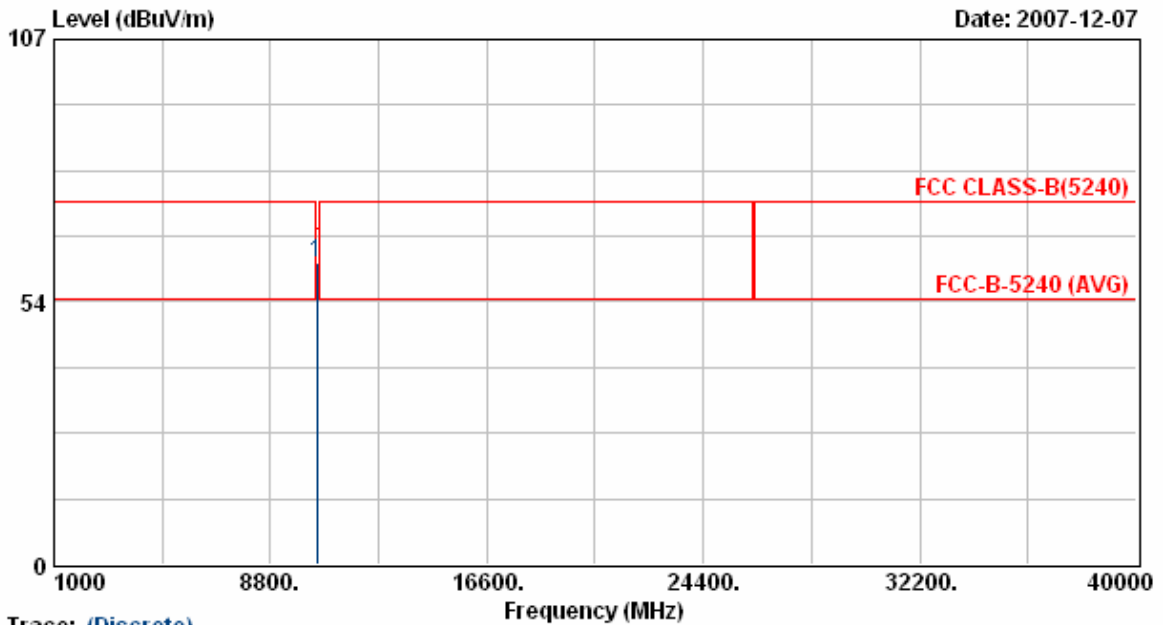
Trace: (Discrete)

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	10480.50	41.81	19.04	60.85	68.30	-7.45	Peak	100	214

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L3	Rate	: 6Mbps



Trace: (Discrete)

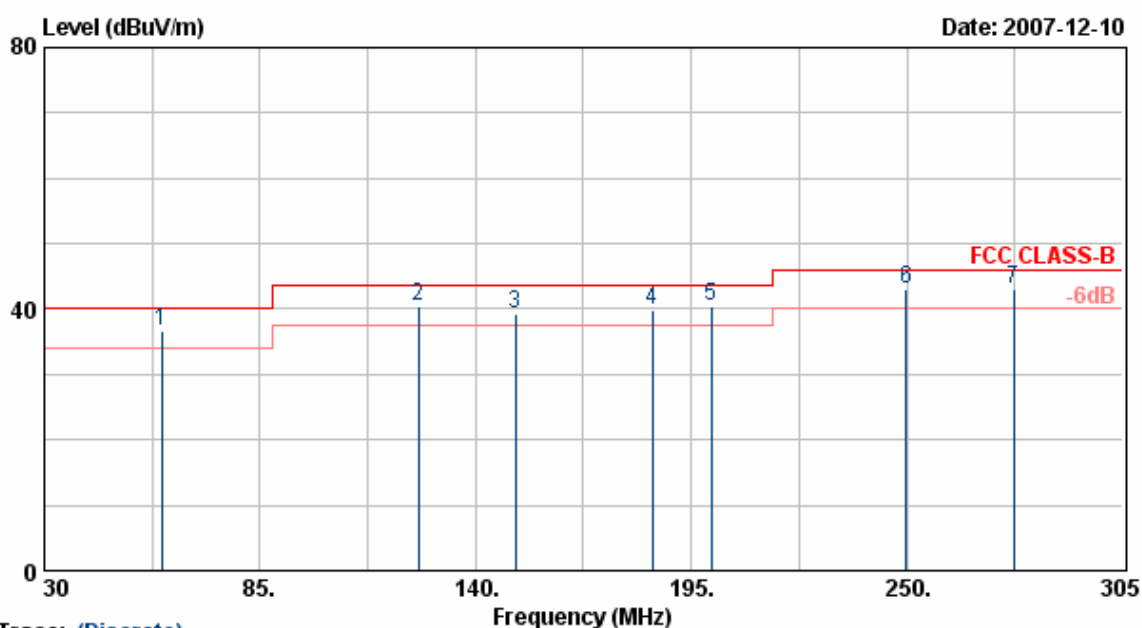
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10480.63	42.30	19.04	61.34	68.30	-6.96	Peak	100	201

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



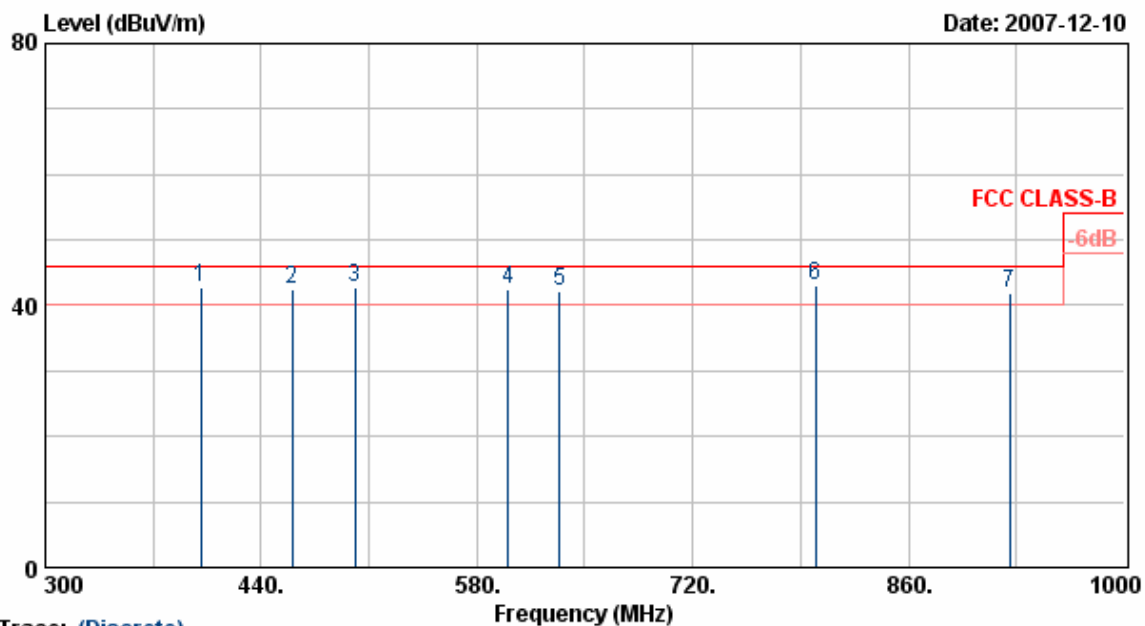
Trace: (Discrete)

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	59.98	54.23	-17.69	36.54	40.00	-3.46	QP	100	164
2	125.43	51.82	-11.45	40.37	43.50	-3.13	QP	100	171
3	150.18	52.37	-13.00	39.37	43.50	-4.13	QP	100	144
4	185.10	51.38	-11.55	39.83	43.50	-3.67	QP	100	185
5	200.23	53.22	-12.76	40.46	43.50	-3.04	QP	100	133
6	249.73	54.02	-11.07	42.94	46.00	-3.06	QP	100	174
7	277.23	55.47	-12.56	42.91	46.00	-3.09	QP	100	155

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



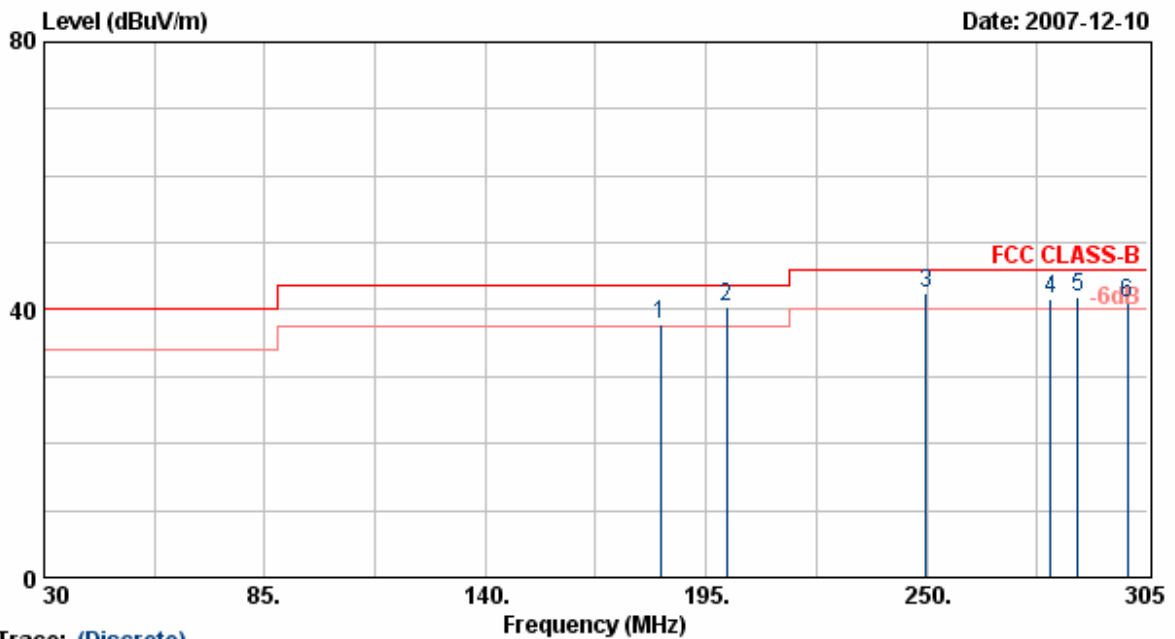
Trace: (Discrete)

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	400.80	52.71	-9.87	42.84	46.00	-3.16	QP	100	171
2	460.30	49.34	-6.92	42.42	46.00	-3.58	QP	100	144
3	500.90	47.49	-4.71	42.78	46.00	-3.22	QP	100	172
4	600.30	50.77	-8.34	42.43	46.00	-3.57	QP	100	155
5	633.90	45.70	-3.49	42.21	46.00	-3.79	QP	100	114
6	799.80	44.89	-1.93	42.96	46.00	-3.04	QP	100	117
7	925.80	38.66	3.25	41.91	46.00	-4.09	QP	100	145

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



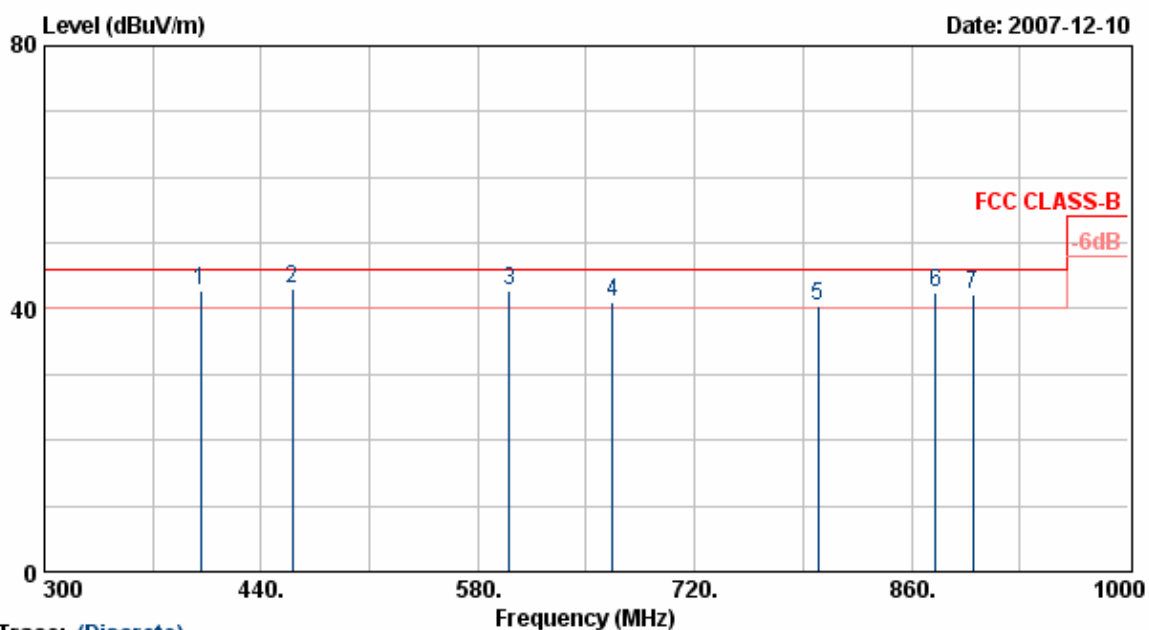
Trace: (Discrete)

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	183.73	59.24	-21.43	37.81	43.50	-5.69	QP	100	136
2	200.23	59.37	-18.99	40.38	43.50	-3.12	QP	100	154
3	249.73	58.12	-15.74	42.37	46.00	-3.63	QP	100	122
4	280.80	54.48	-12.84	41.64	46.00	-4.36	QP	100	157
5	287.68	57.03	-15.04	41.99	46.00	-4.01	QP	100	154
6	300.05	56.58	-15.50	41.08	46.00	-4.92	QP	100	166

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



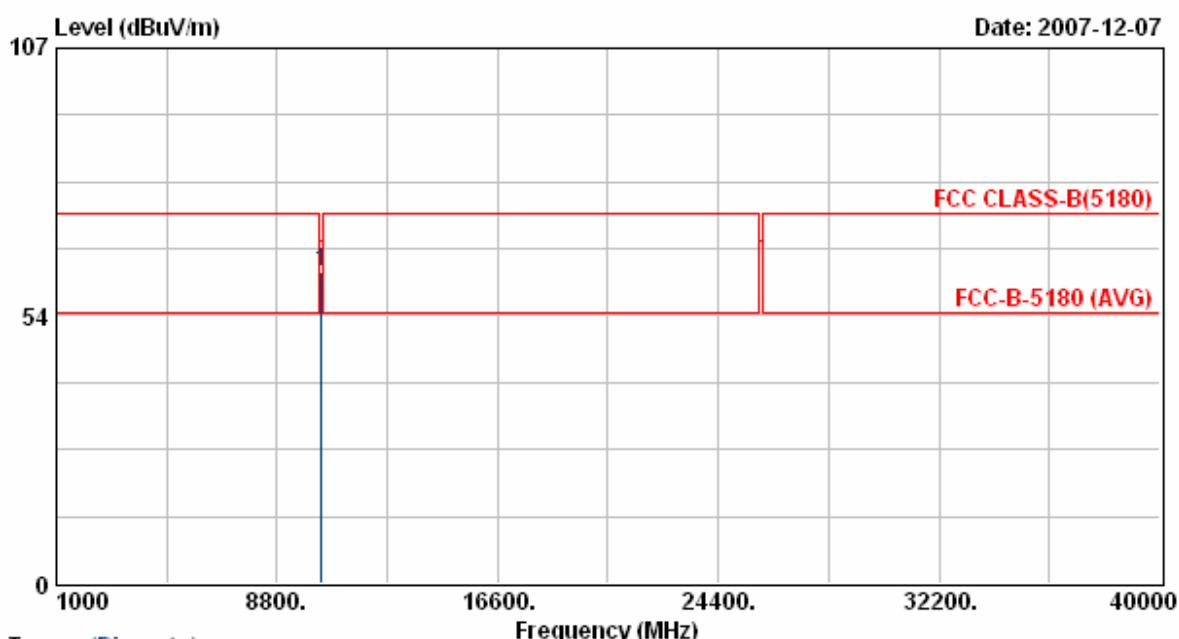
Trace: (Discrete)

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	400.80	51.93	-9.18	42.75	46.00	-3.25	QP	100	195
2	460.30	50.52	-7.60	42.92	46.00	-3.08	QP	100	174
3	600.30	45.39	-2.54	42.85	46.00	-3.15	QP	100	166
4	666.80	44.32	-3.38	40.95	46.00	-5.05	QP	100	146
5	799.80	44.12	-3.63	40.49	46.00	-5.51	QP	100	188
6	875.40	42.31	0.11	42.41	46.00	-3.59	QP	100	174
7	899.90	39.79	2.40	42.19	46.00	-3.81	QP	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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



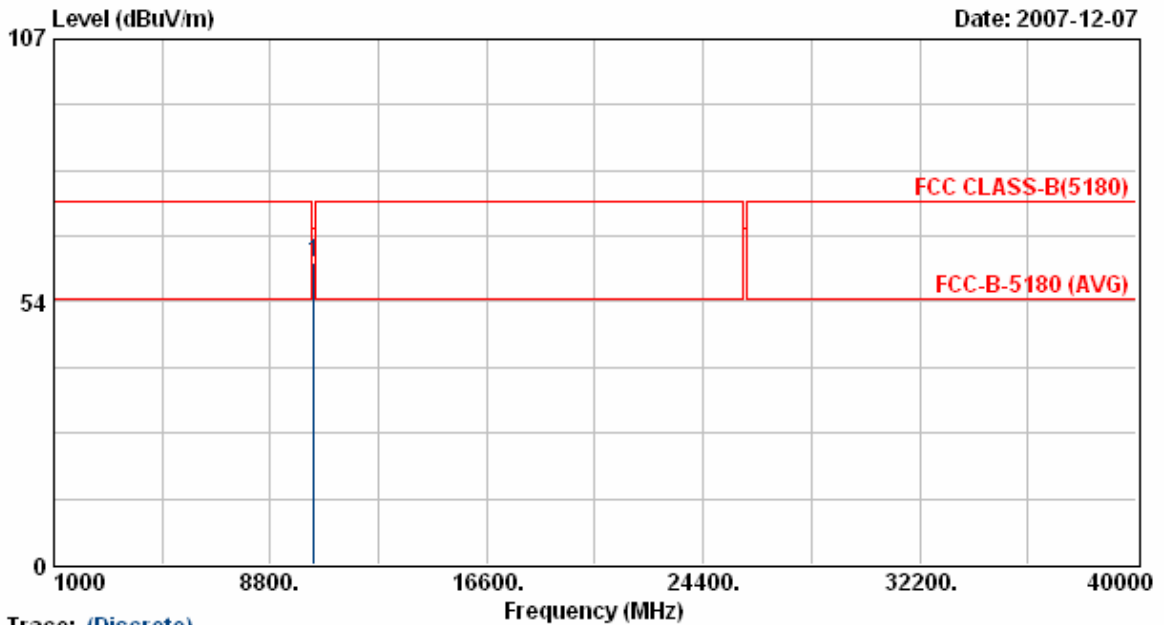
Trace: (Discrete)

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	10360.50	43.50	18.87	62.36	68.30	-5.94	Peak	100	214

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



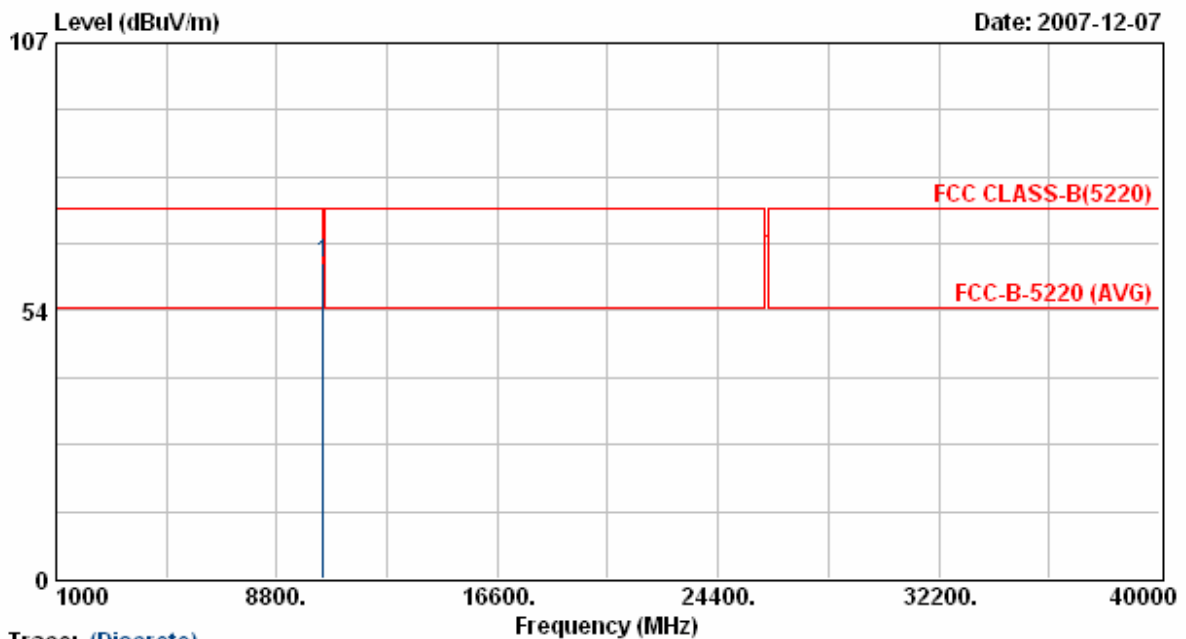
Trace: (Discrete)

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	10360.25	42.55	18.87	61.42	68.30	-6.88	Peak	100	201

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



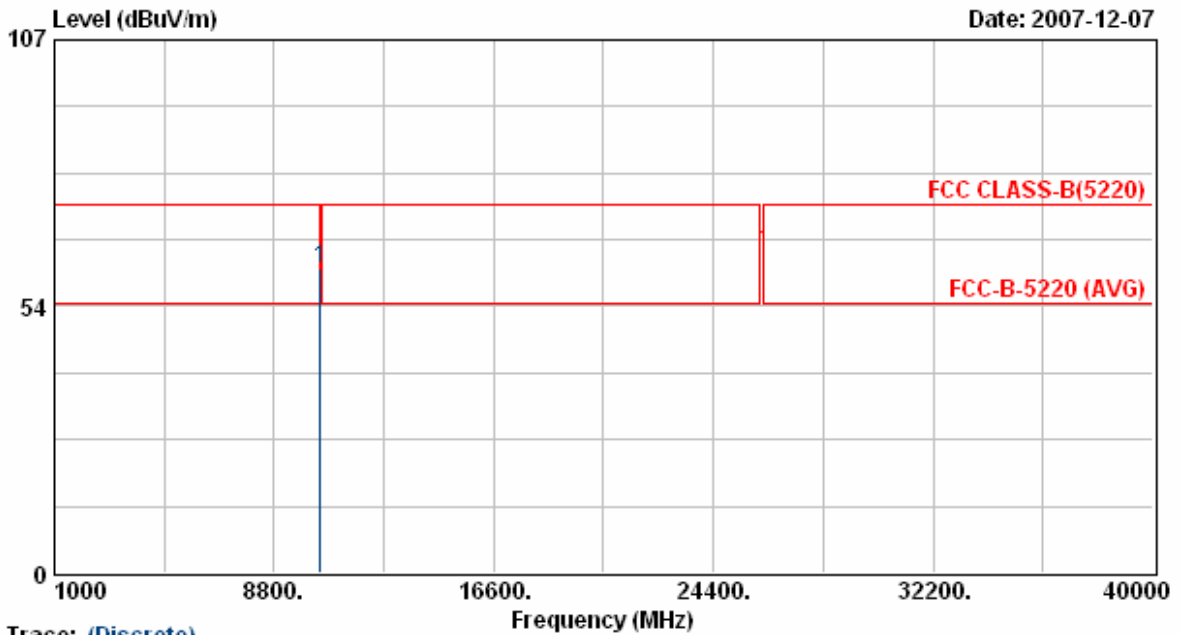
Trace: (Discrete)

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	10440.50	43.95	18.98	62.93	68.30	-5.37	Peak	100	214

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



Trace: (Discrete)

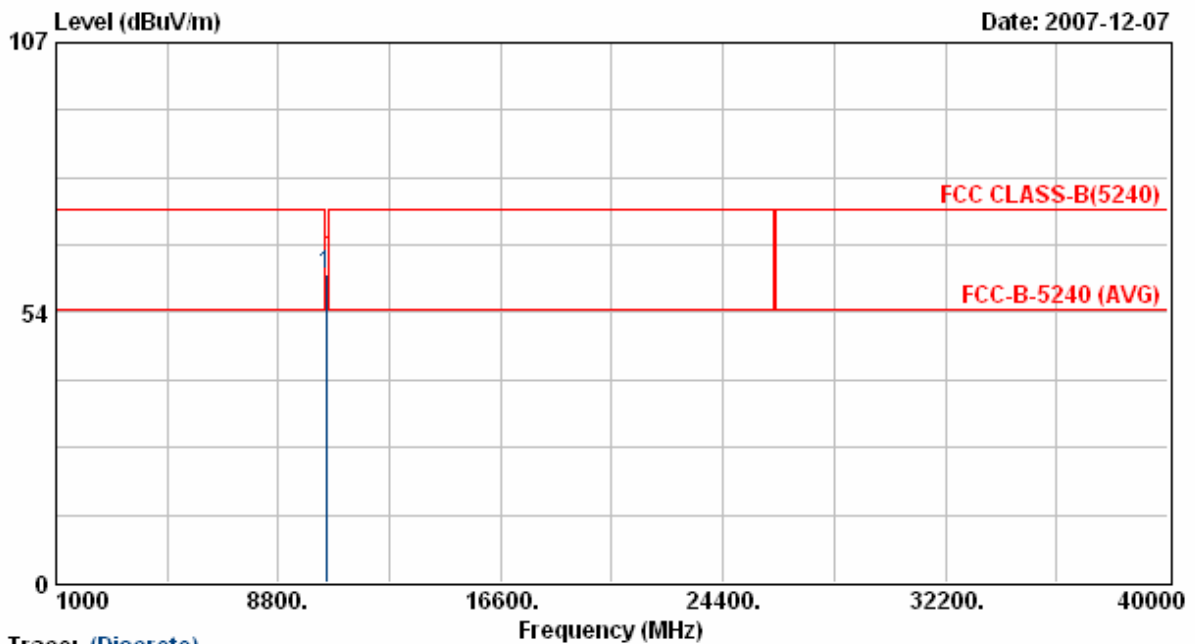
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10440.38	42.25	18.98	61.23	68.30	-7.07	Peak	100	201

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



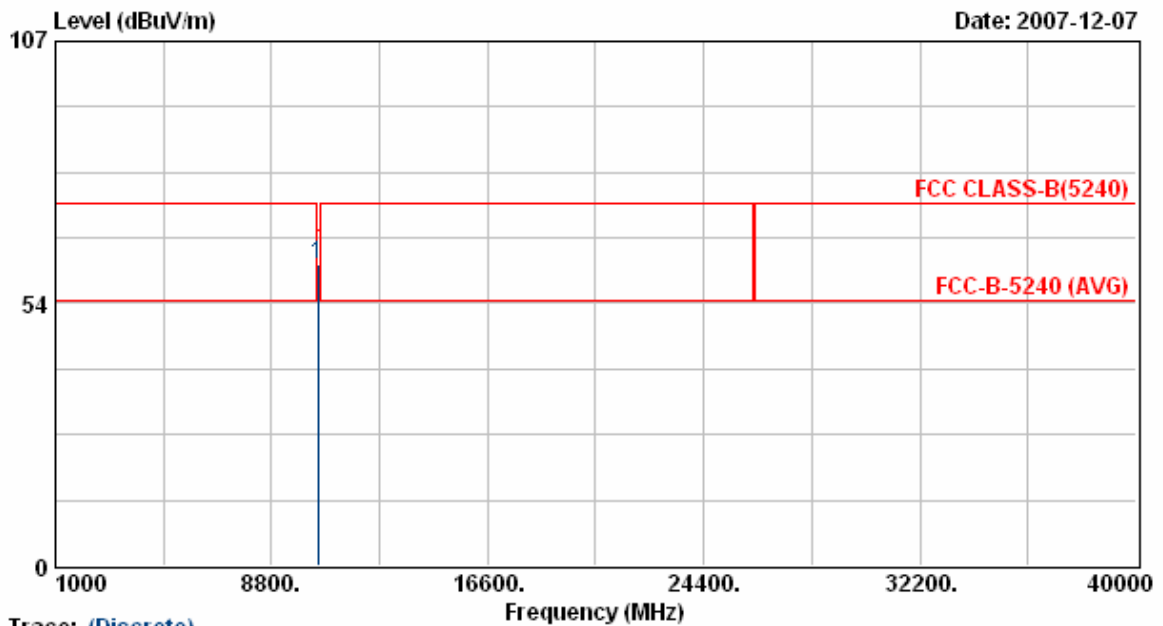
Trace: (Discrete)

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	10480.50	41.98	19.04	61.02	68.30	-7.28	Peak	100	214

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1	Rate	: 6Mbps



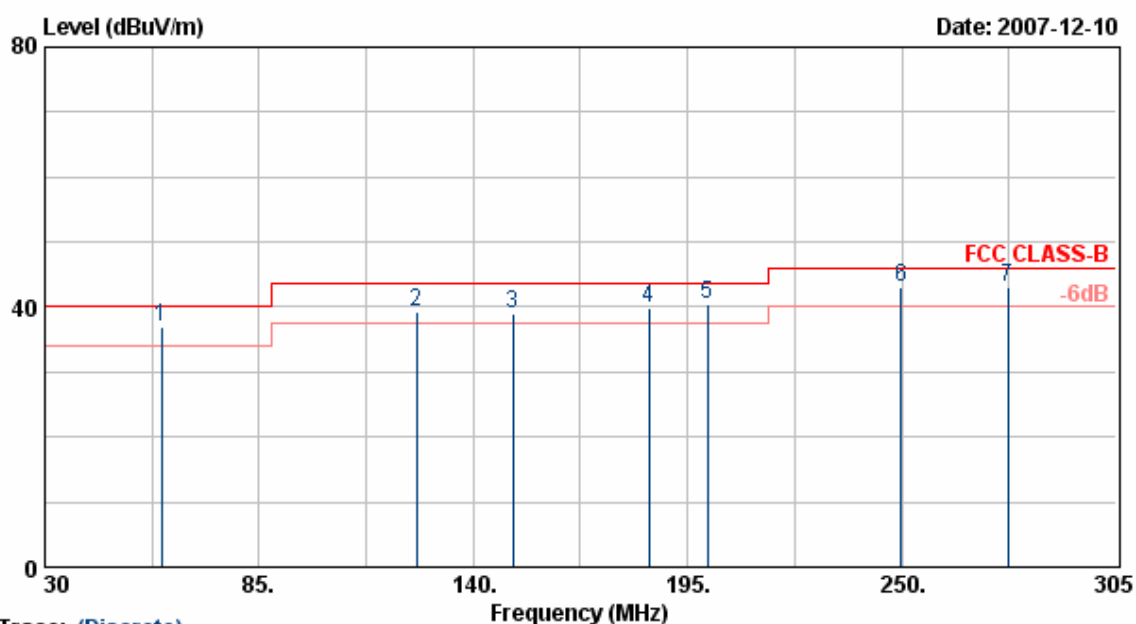
Trace: (Discrete)

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	10480.63	42.40	19.04	61.44	68.30	-6.86	Peak	100	201

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



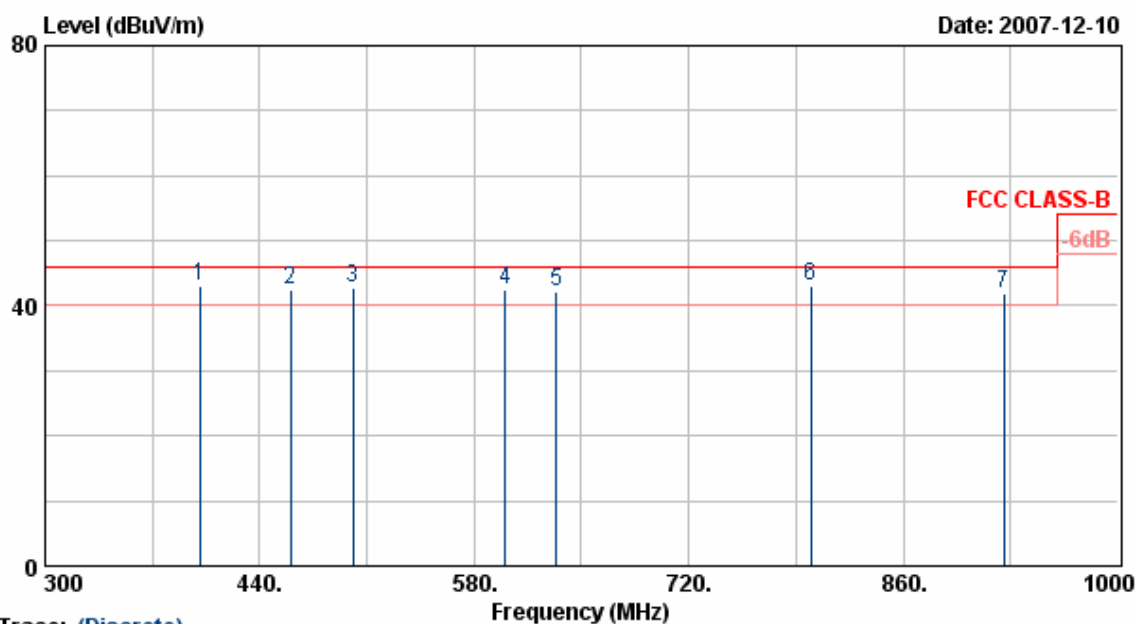
Trace: (Discrete)

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	59.98	54.53	-17.69	36.84	40.00	-3.16	QP	100	164
2	125.43	50.82	-11.45	39.37	43.50	-4.13	QP	100	171
3	150.18	52.12	-13.00	39.12	43.50	-4.38	QP	100	144
4	185.10	51.36	-11.55	39.81	43.50	-3.69	QP	100	185
5	200.23	53.22	-12.76	40.46	43.50	-3.04	QP	100	133
6	249.73	54.02	-11.07	42.94	46.00	-3.06	QP	100	174
7	277.23	55.47	-12.56	42.91	46.00	-3.09	QP	100	155

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



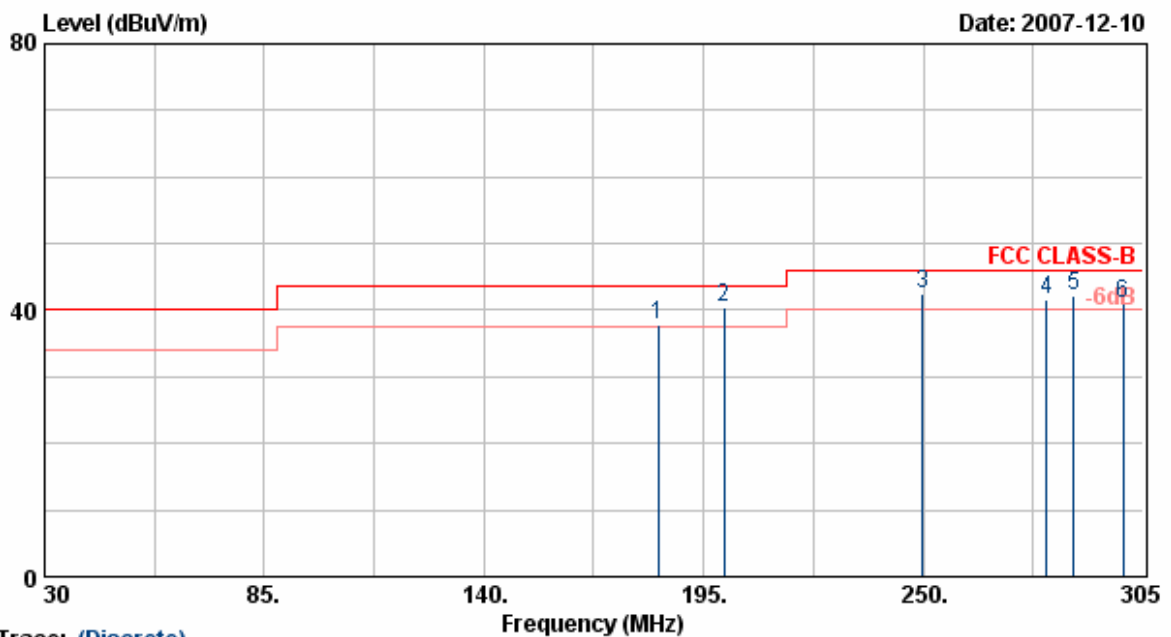
Trace: (Discrete)

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	400.80	52.78	-9.87	42.91	46.00	-3.09	QP	100	171
2	460.30	49.34	-6.92	42.42	46.00	-3.58	QP	100	144
3	500.90	47.44	-4.71	42.73	46.00	-3.27	QP	100	172
4	600.30	50.77	-8.34	42.43	46.00	-3.57	QP	100	155
5	633.90	45.76	-3.49	42.27	46.00	-3.73	QP	100	114
6	799.80	44.89	-1.93	42.96	46.00	-3.04	QP	100	117
7	925.80	38.63	3.25	41.88	46.00	-4.12	QP	100	145

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



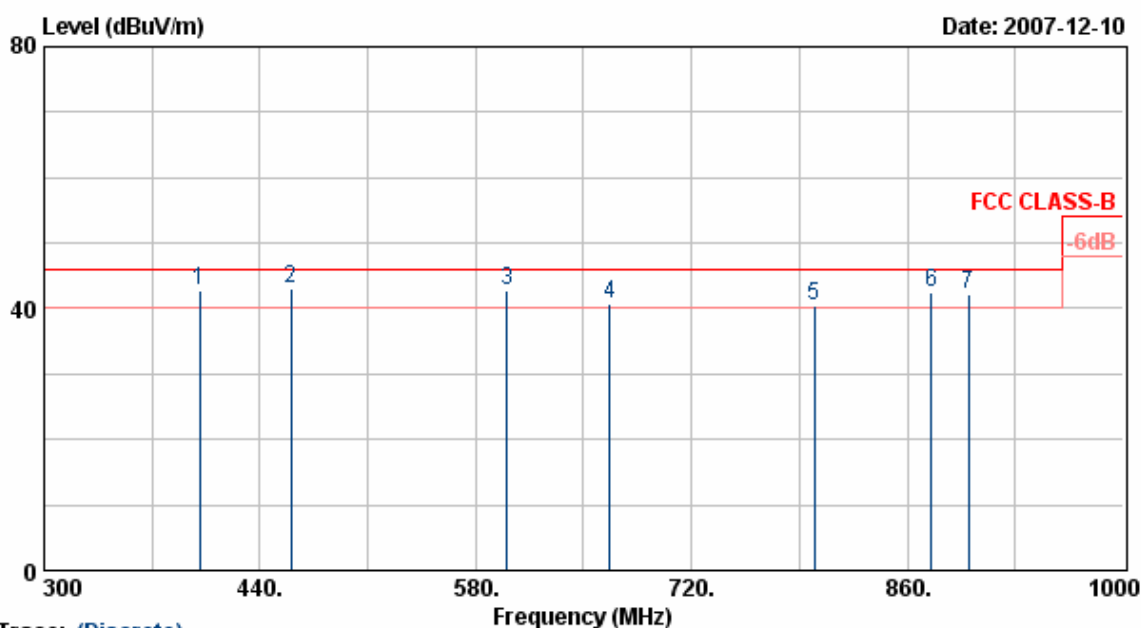
Trace: (Discrete)

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	183.73	59.38	-21.43	37.95	43.50	-5.55	QP	100	136
2	200.23	59.37	-18.99	40.38	43.50	-3.12	QP	100	154
3	249.73	58.36	-15.74	42.61	46.00	-3.39	QP	100	122
4	280.80	54.48	-12.84	41.64	46.00	-4.36	QP	100	157
5	287.68	57.12	-15.04	42.08	46.00	-3.92	QP	100	154
6	300.05	56.58	-15.50	41.08	46.00	-4.92	QP	100	166

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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



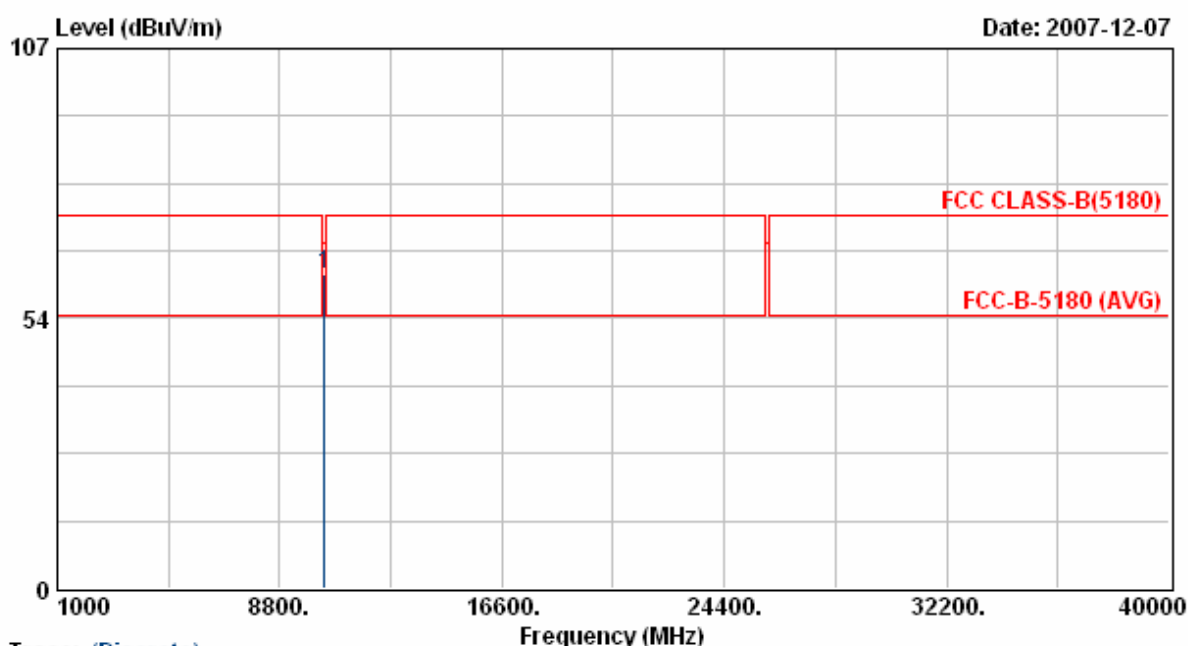
Trace: (Discrete)

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	400.80	51.93	-9.18	42.75	46.00	-3.25	QP	100	195
2	460.30	50.59	-7.60	42.98	46.00	-3.02	QP	100	174
3	600.30	45.39	-2.54	42.85	46.00	-3.15	QP	100	166
4	666.80	44.15	-3.38	40.77	46.00	-5.23	QP	100	146
5	799.80	44.12	-3.63	40.49	46.00	-5.51	QP	100	188
6	875.40	42.36	0.11	42.46	46.00	-3.54	QP	100	174
7	899.90	39.79	2.40	42.19	46.00	-3.81	QP	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 802.11a mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



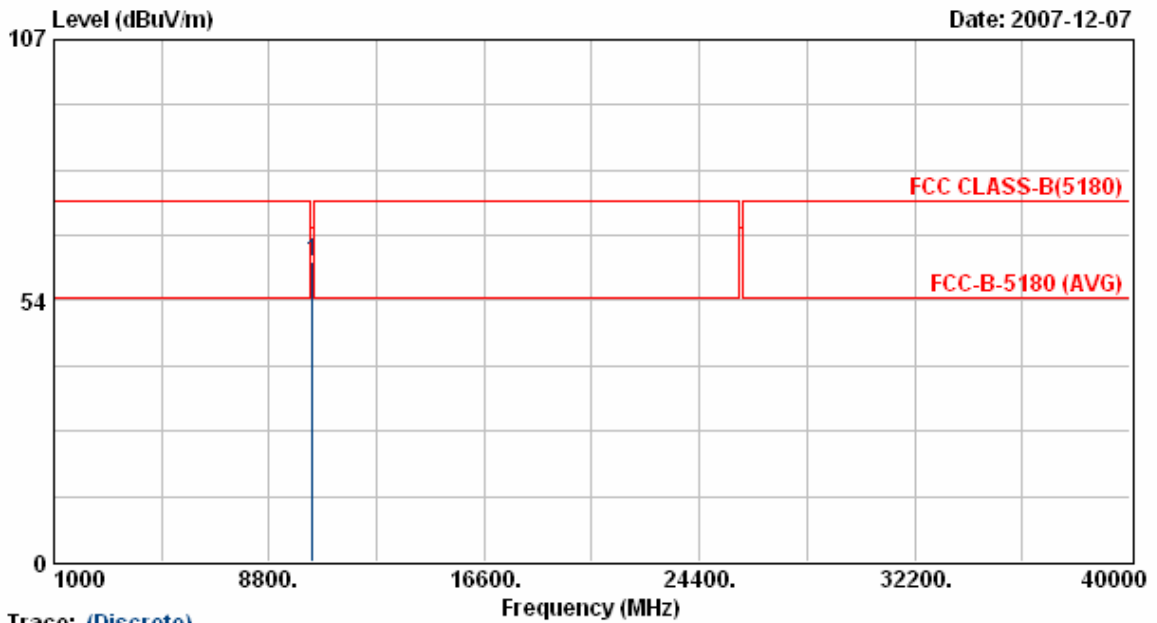
Trace: (Discrete)

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	10360.50	43.48	18.87	62.34	68.30	-5.96	Peak	100	214

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



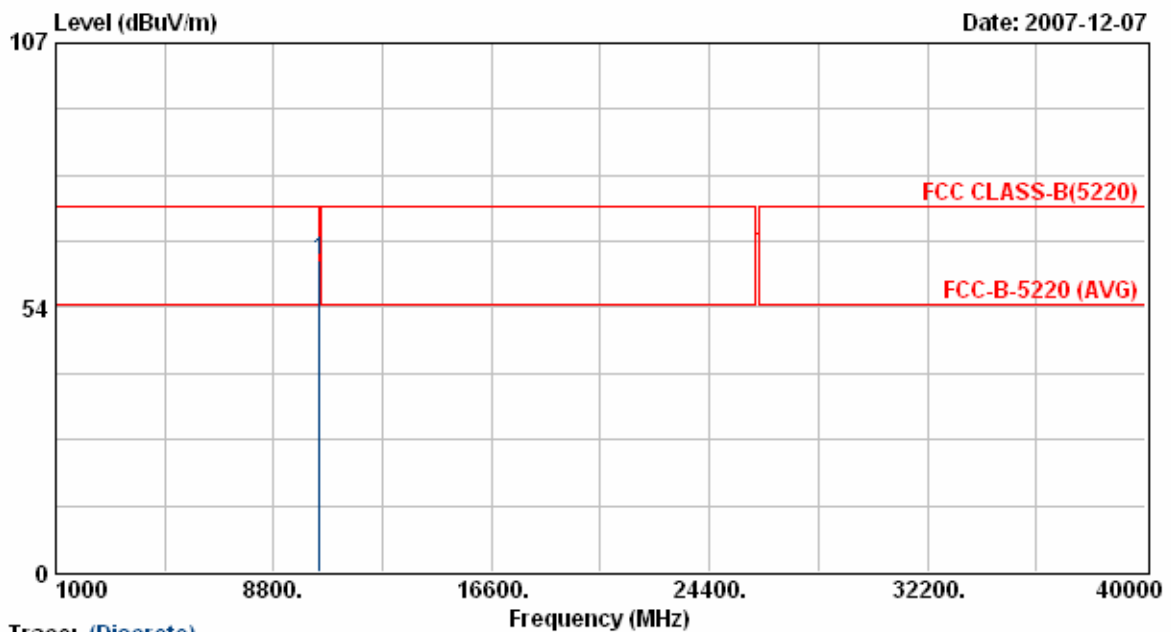
Item	Trace	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	(Discrete)	10360.25	42.53	18.87	61.39	68.30	-6.91	Peak	100	201

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



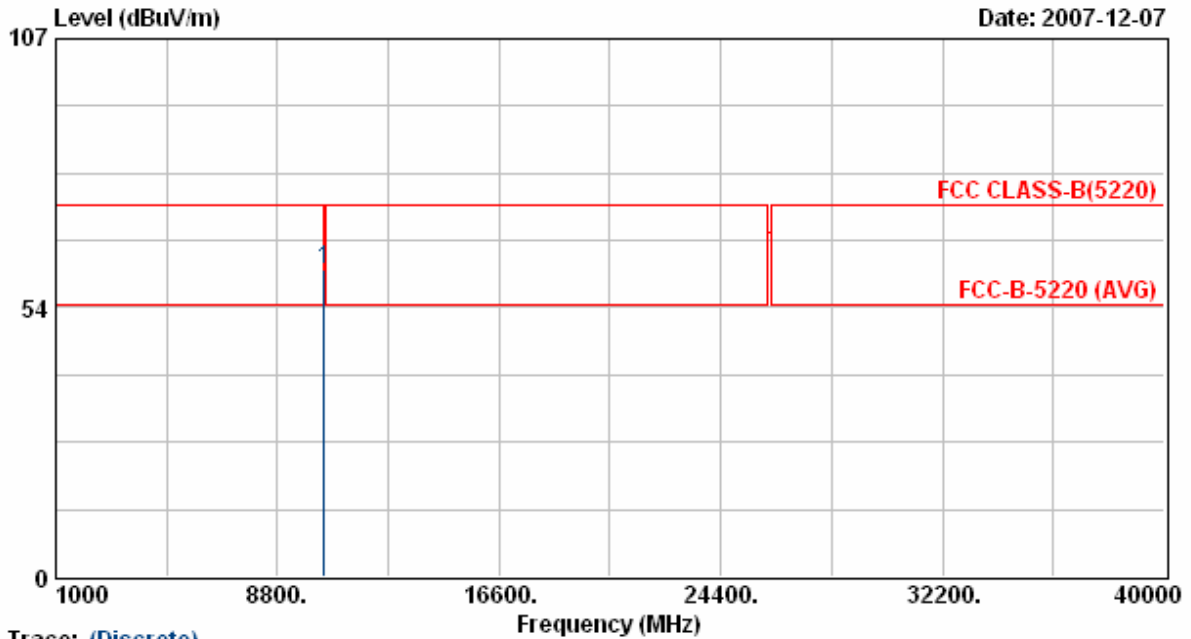
Trace: (Discrete)

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	10440.50	43.93	18.98	62.91	68.30	-5.39	Peak	100	214

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



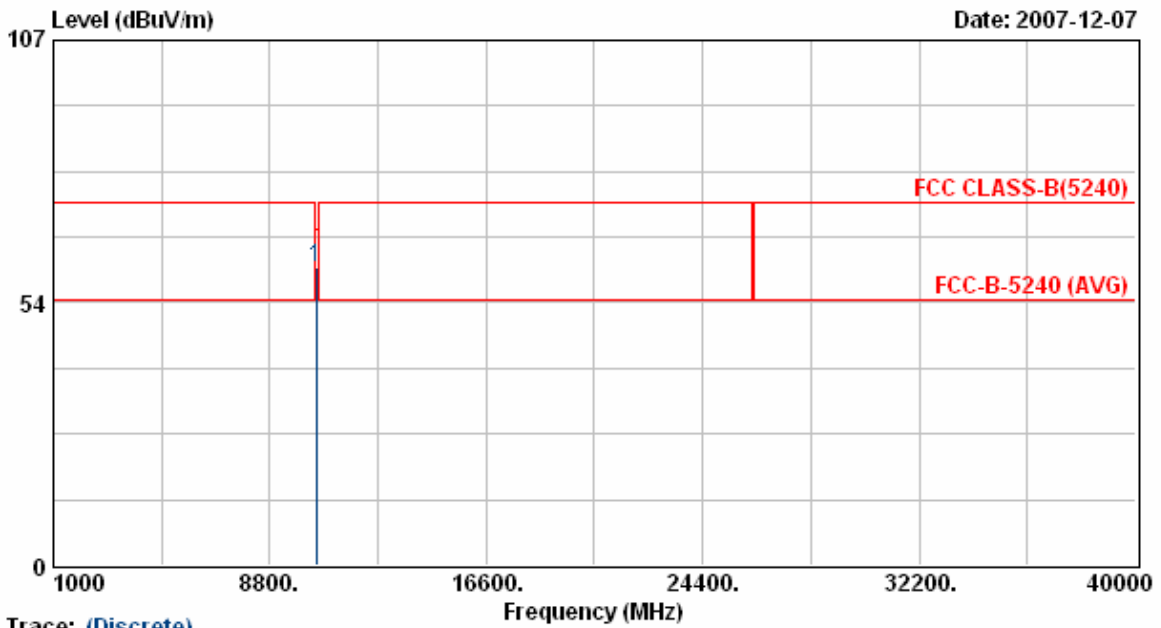
Trace: (Discrete)

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	10440.38	42.25	18.98	61.23	68.30	-7.07	Peak	100	201

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



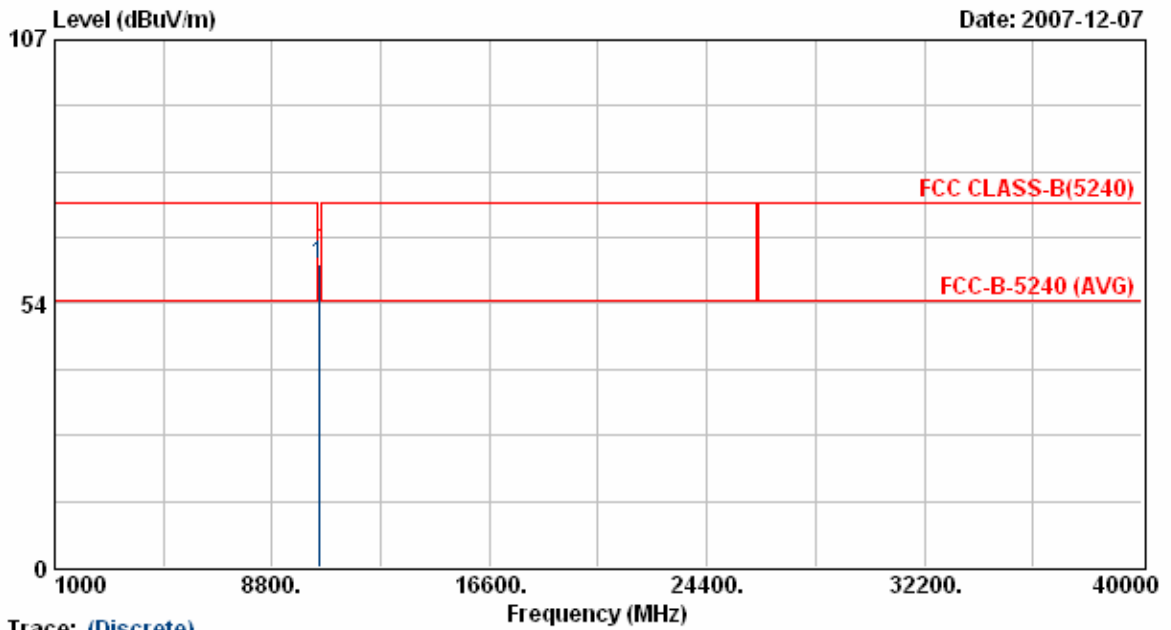
Trace: (Discrete)

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	10480.50	41.81	19.04	60.85	68.30	-7.45	Peak	100	214

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11a	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R3	Rate	: 6Mbps



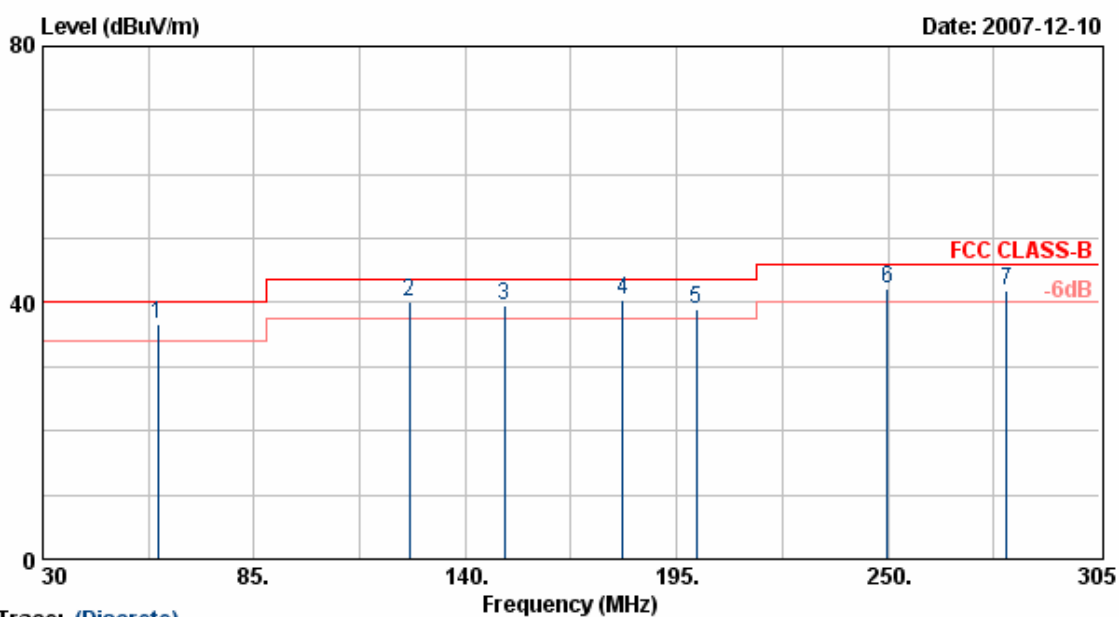
Trace: (Discrete)

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	10480.63	42.37	19.04	61.41	68.30	-6.89	Peak	100	201

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



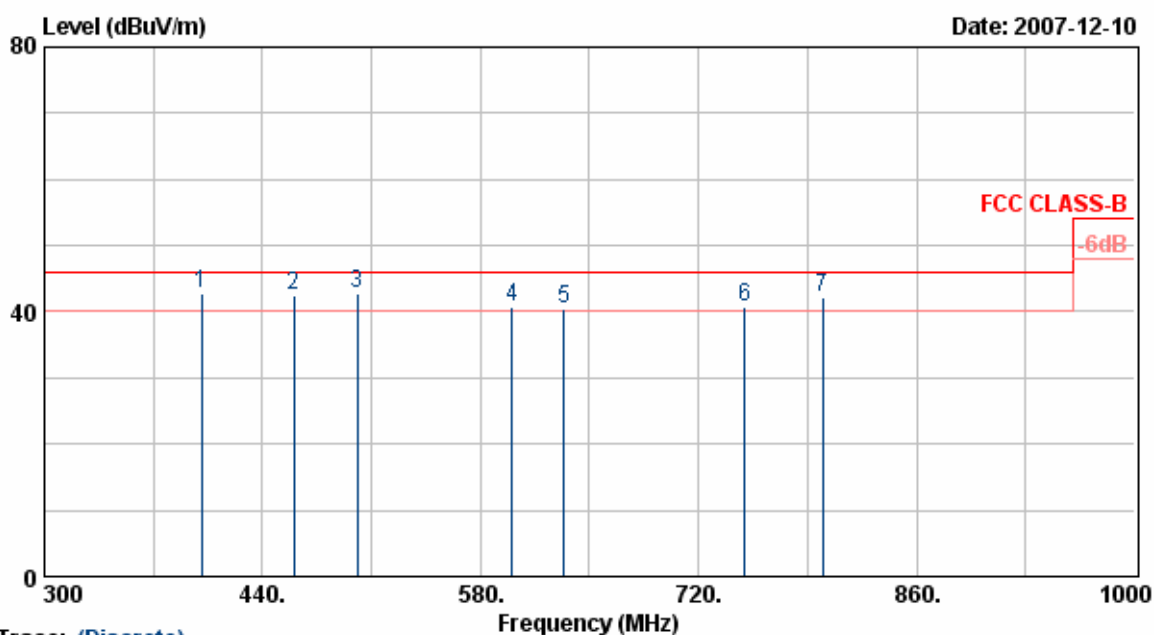
Trace: (Discrete)

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	59.98	54.34	-17.69	36.65	40.00	-3.35	QP	100	174
2	125.43	51.48	-11.45	40.03	43.50	-3.47	QP	100	122
3	150.18	52.67	-13.00	39.67	43.50	-3.83	QP	100	178
4	180.98	51.84	-11.35	40.48	43.50	-3.02	QP	100	166
5	200.23	51.79	-12.76	39.04	43.50	-4.46	QP	100	200
6	249.73	53.17	-11.07	42.10	46.00	-3.90	QP	100	177
7	280.80	52.79	-10.89	41.90	46.00	-4.10	QP	100	189

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



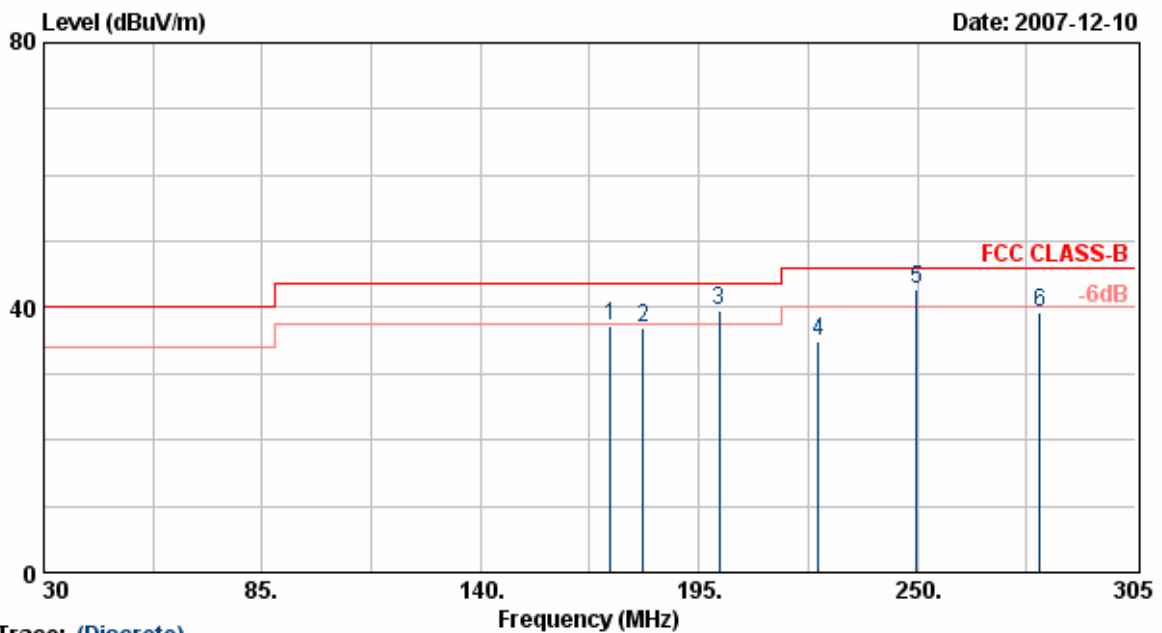
Trace: (Discrete)

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	400.80	52.73	-9.87	42.87	46.00	-3.13	QP	100	155
2	460.30	49.36	-6.92	42.44	46.00	-3.56	QP	100	174
3	500.90	47.35	-4.71	42.64	46.00	-3.36	QP	100	133
4	600.30	49.01	-8.34	40.67	46.00	-5.33	QP	100	137
5	633.90	43.96	-3.49	40.46	46.00	-5.54	QP	100	188
6	749.40	43.74	-3.16	40.58	46.00	-5.42	QP	100	172
7	799.80	44.18	-1.93	42.25	46.00	-3.75	QP	100	111

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



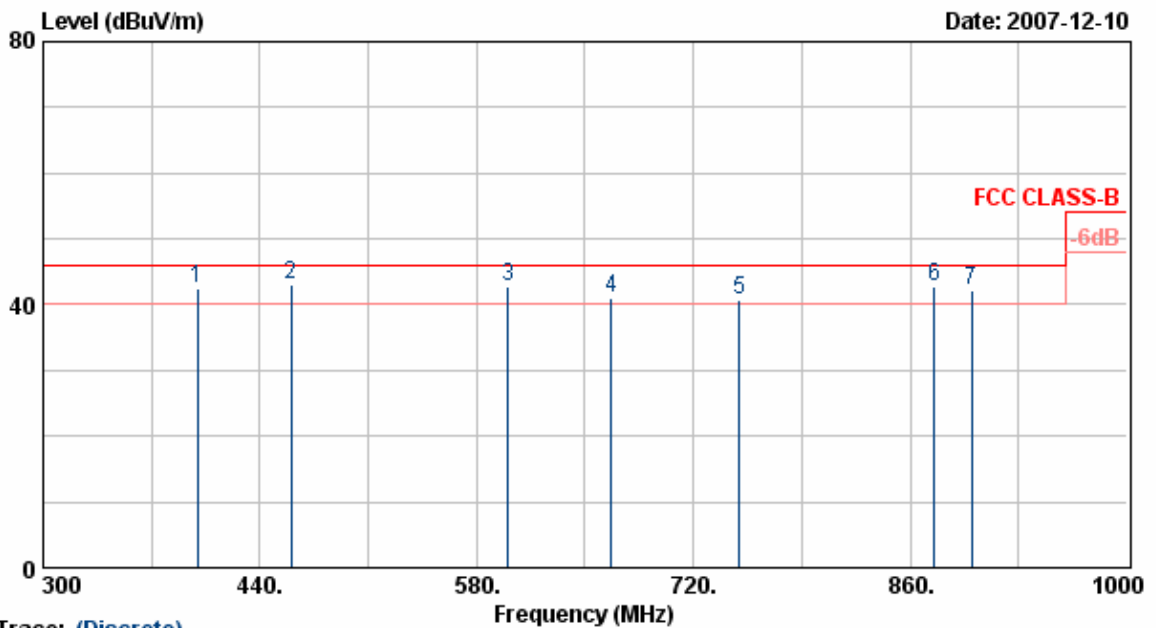
Trace: (Discrete)

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	172.73	57.75	-20.39	37.35	43.50	-6.15	Peak	100	175
2	180.98	58.59	-21.63	36.96	43.50	-6.54	Peak	100	164
3	200.23	58.50	-18.99	39.51	43.50	-3.99	QP	100	144
4	224.98	52.66	-17.88	34.78	46.00	-11.22	Peak	100	122
5	249.73	58.46	-15.74	42.71	46.00	-3.29	QP	100	185
6	280.80	52.11	-12.84	39.27	46.00	-6.73	Peak	100	133

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



Trace: (Discrete)

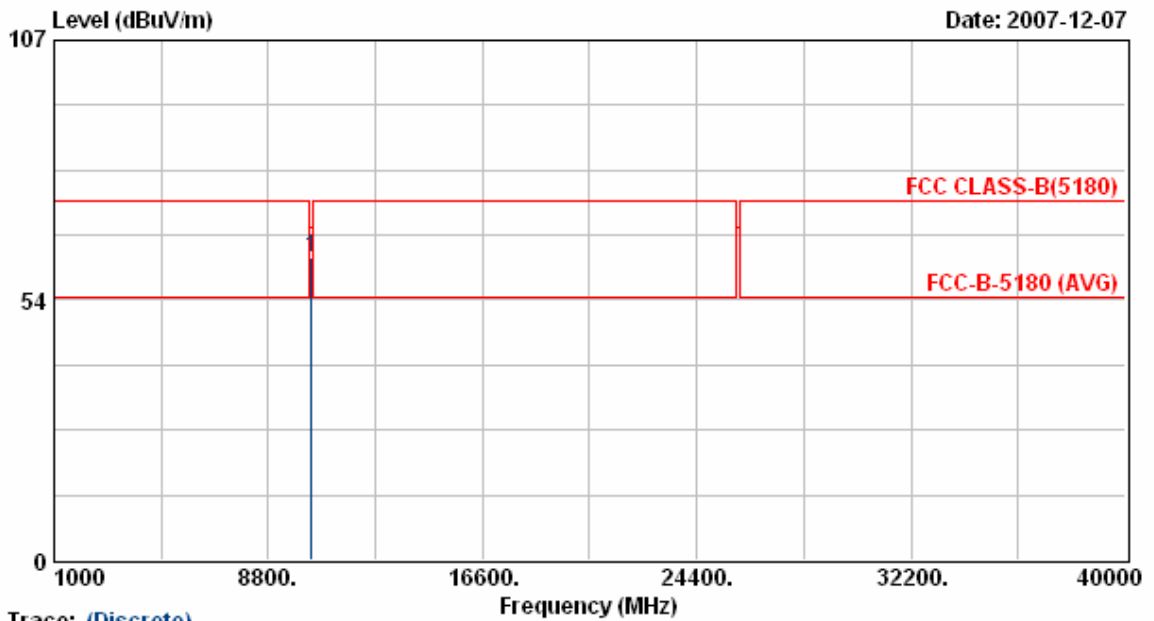
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	51.70	-9.29	42.42	46.00	-3.58	QP	100	202
2	460.30	50.53	-7.60	42.92	46.00	-3.08	QP	100	138
3	600.30	45.29	-2.54	42.75	46.00	-3.25	QP	100	177
4	666.80	44.38	-3.38	41.01	46.00	-4.99	QP	100	158
5	749.40	46.00	-5.16	40.83	46.00	-5.17	QP	100	111
6	875.40	42.53	0.11	42.63	46.00	-3.37	QP	100	145
7	899.90	39.72	2.40	42.12	46.00	-3.88	QP	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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps

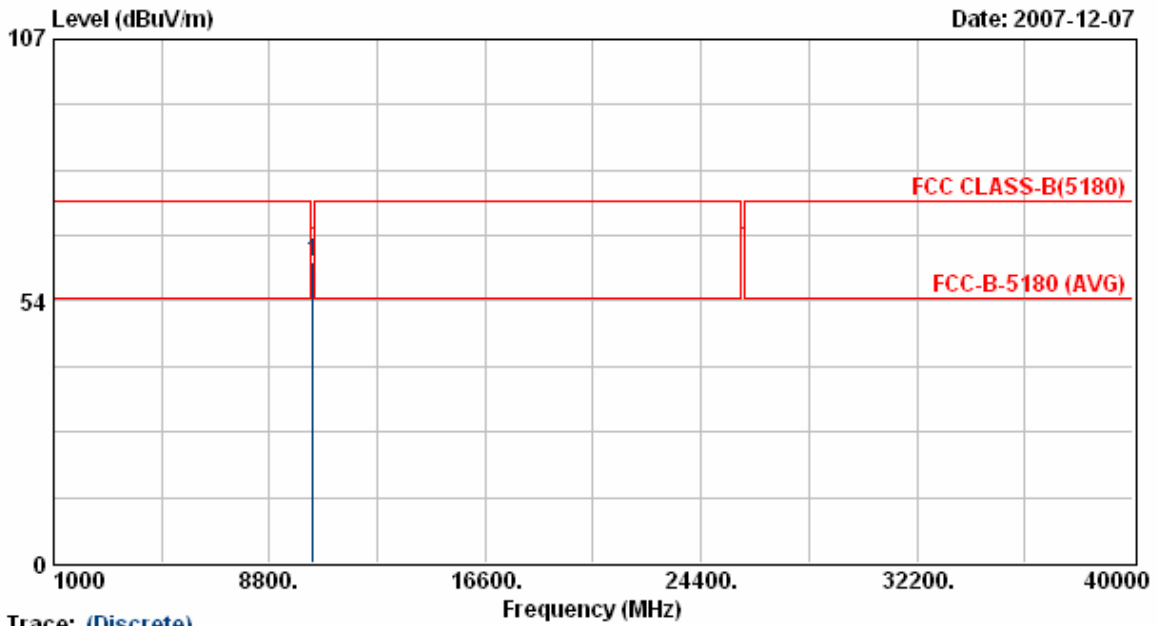


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10360.50	43.47	18.87	62.33	68.30	-5.97	Peak	100	214

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



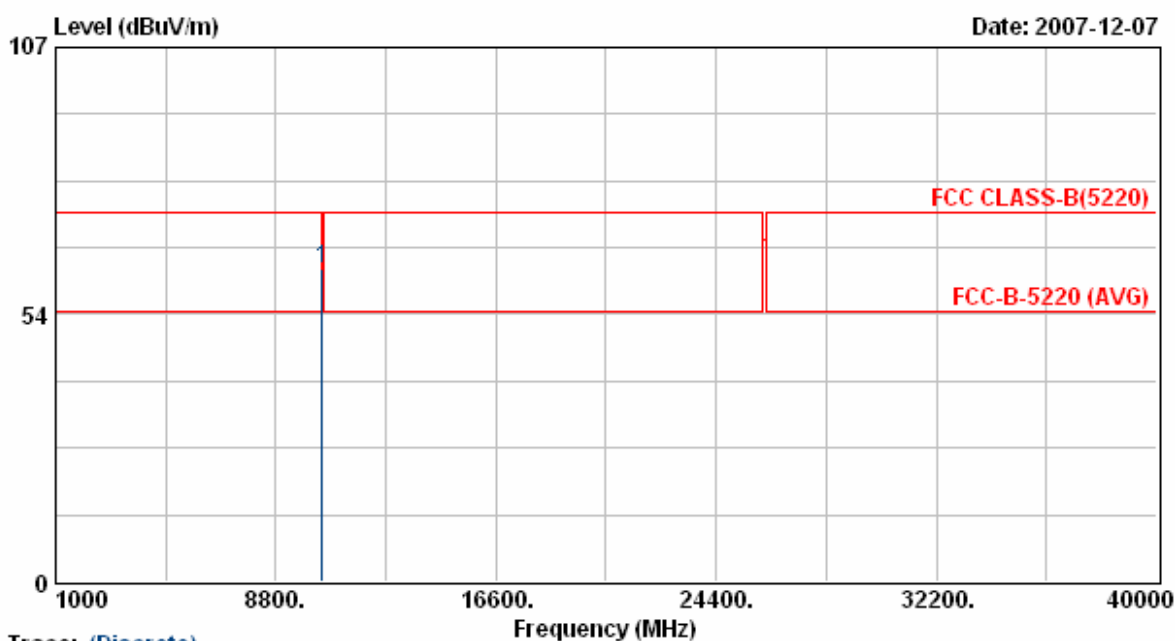
Trace: (Discrete)

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	10360.25	42.45	18.87	61.32	68.30	-6.98	Peak	100	201

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



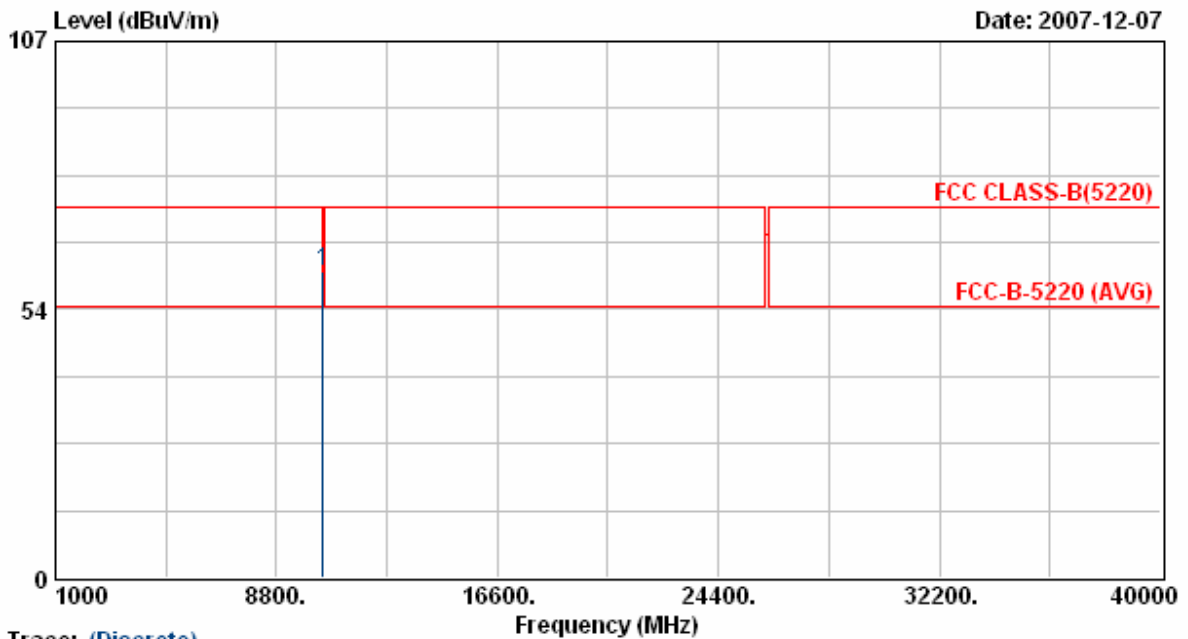
Trace: (Discrete)

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	10440.50	43.52	18.98	62.50	68.30	-5.80	Peak	100	214

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



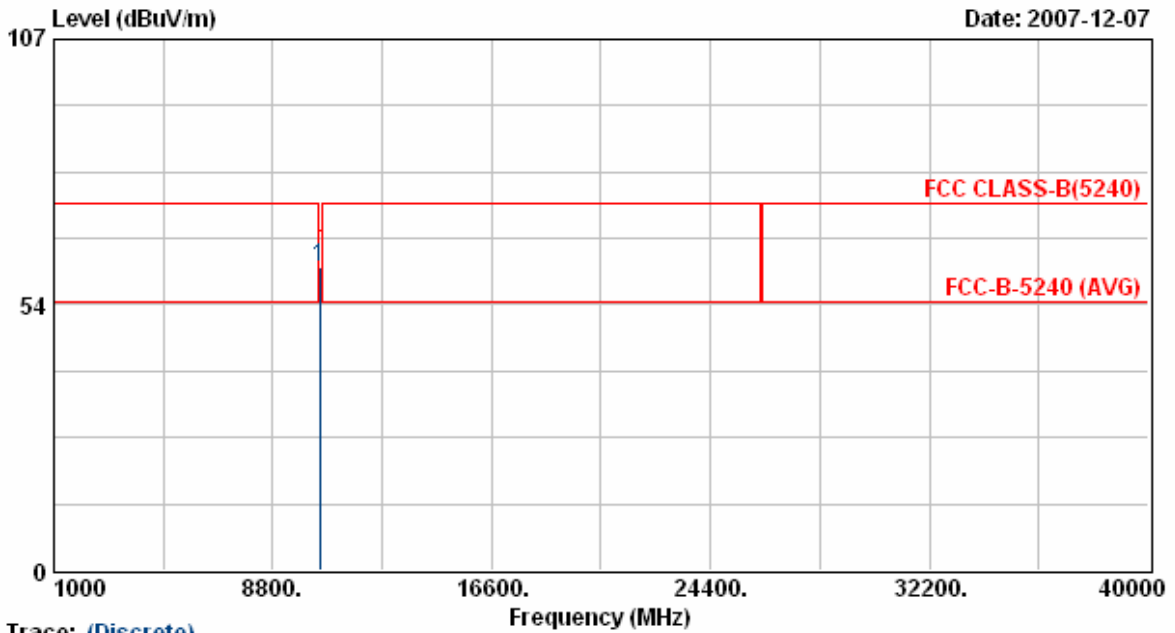
Trace: (Discrete)

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	10440.38	42.28	18.98	61.26	68.30	-7.04	Peak	100	201

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps

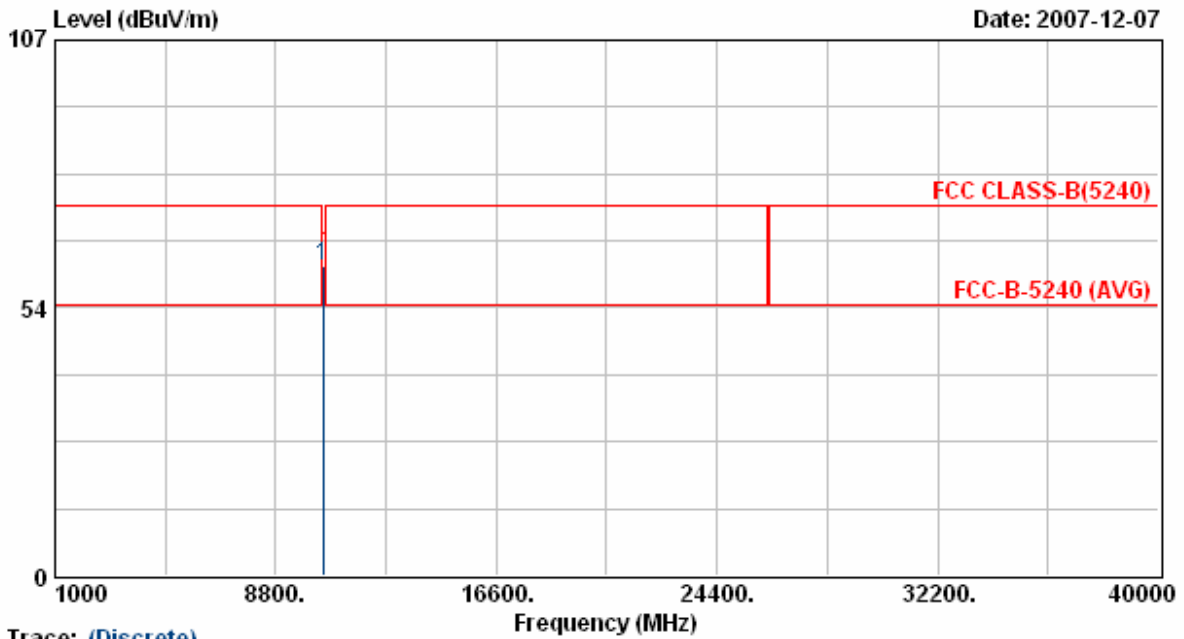


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10480.50	41.98	19.04	61.02	68.30	-7.28	Peak	100	214

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 130Mbps



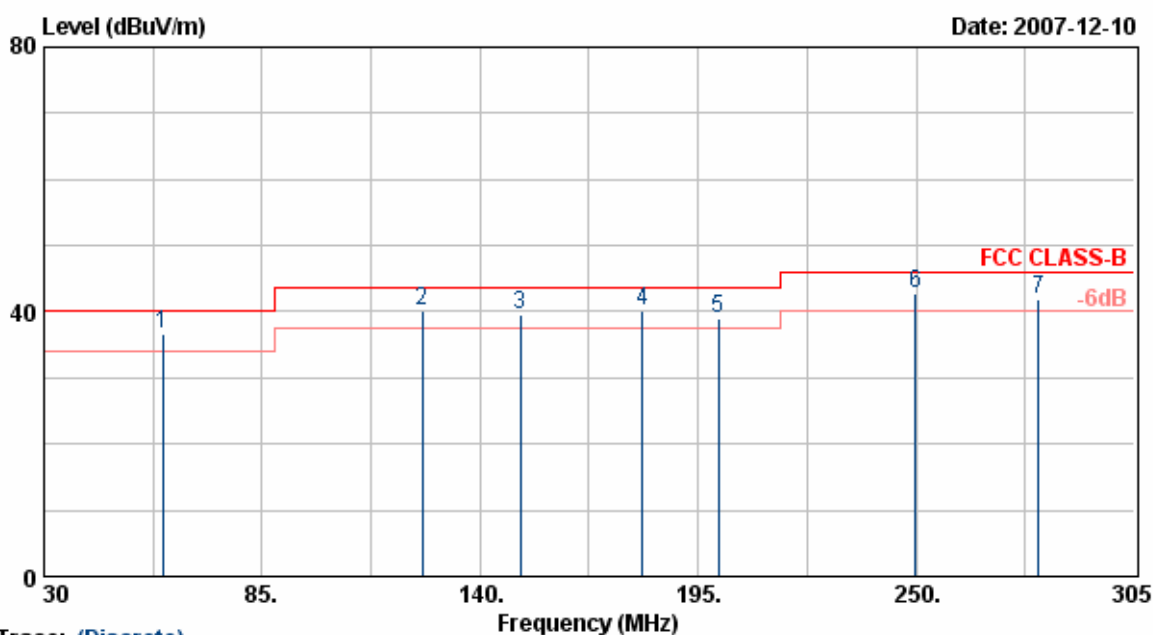
Trace: (Discrete)

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	10480.63	42.99	19.04	62.03	68.30	-6.27	Peak	100	201

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



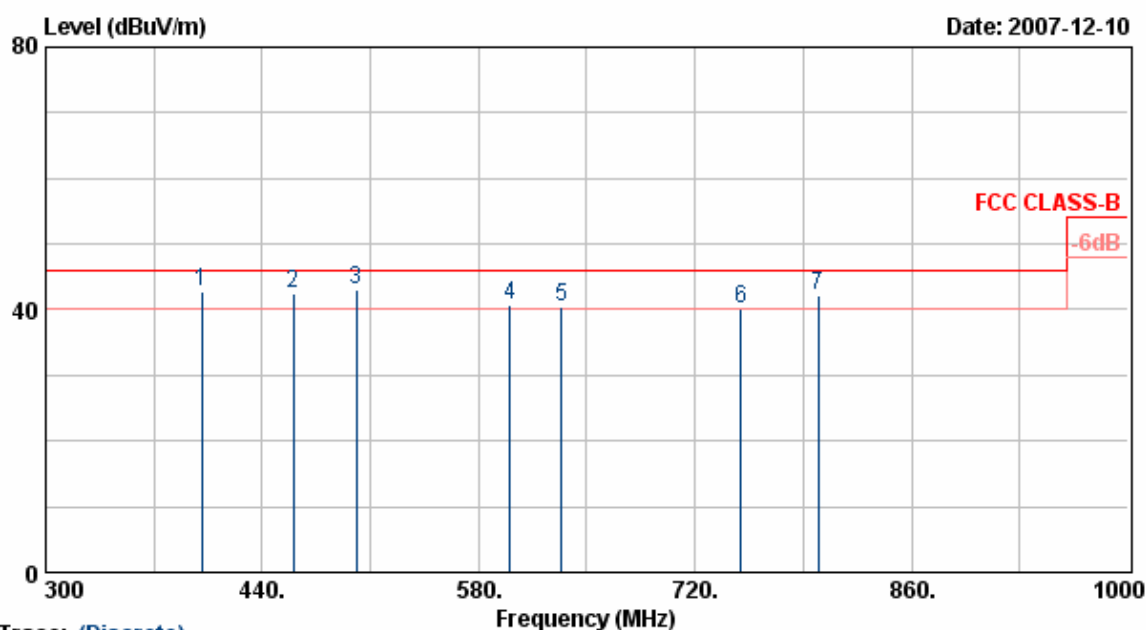
Trace: (Discrete)

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	59.98	54.34	-17.69	36.65	40.00	-3.35	QP	100	174
2	125.43	51.46	-11.45	40.01	43.50	-3.49	QP	100	122
3	150.18	52.67	-13.00	39.67	43.50	-3.83	QP	100	178
4	180.98	51.48	-11.35	40.13	43.50	-3.37	QP	100	166
5	200.23	51.79	-12.76	39.04	43.50	-4.46	QP	100	200
6	249.73	53.82	-11.07	42.74	46.00	-3.26	QP	100	177
7	280.80	52.79	-10.89	41.90	46.00	-4.10	QP	100	189

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



Trace: (Discrete)

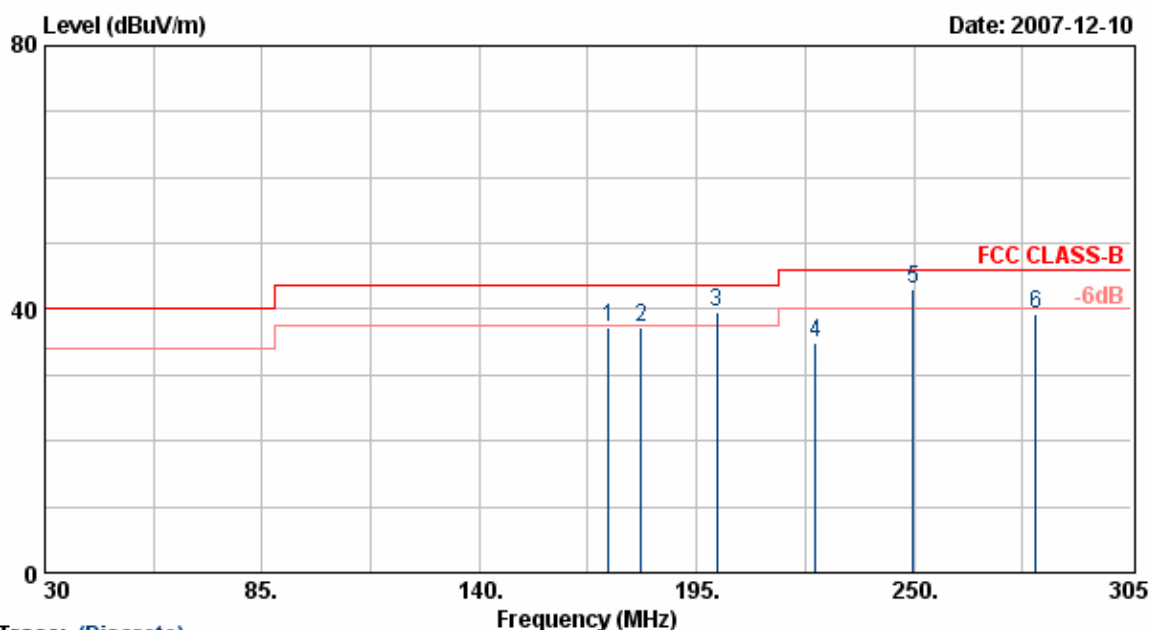
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	400.80	52.71	-9.87	42.85	46.00	-3.15	QP	100	155
2	460.30	49.35	-6.92	42.43	46.00	-3.57	QP	100	174
3	500.90	47.65	-4.71	42.94	46.00	-3.06	QP	100	133
4	600.30	49.03	-8.34	40.69	46.00	-5.31	QP	100	137
5	633.90	43.91	-3.49	40.41	46.00	-5.59	QP	100	188
6	749.40	43.44	-3.16	40.28	46.00	-5.72	QP	100	172
7	799.80	44.19	-1.93	42.26	46.00	-3.74	QP	100	111

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



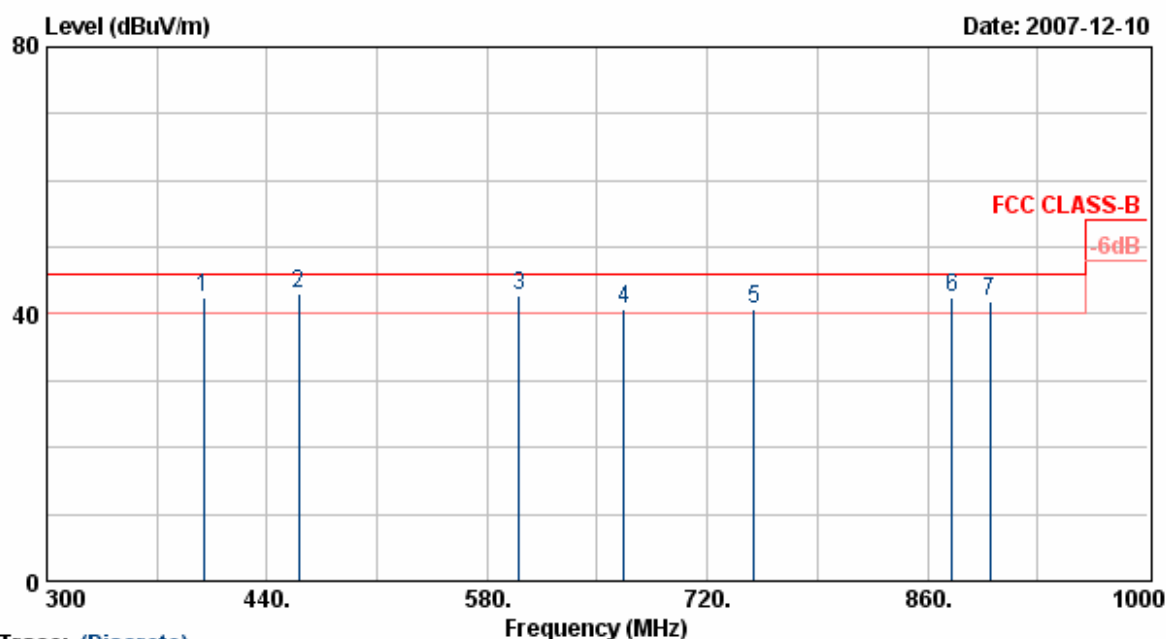
Trace: (Discrete)

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	172.73	57.50	-20.39	37.11	43.50	-6.39	Peak	100	175
2	180.98	58.89	-21.63	37.26	43.50	-6.24	Peak	100	164
3	200.23	58.45	-18.99	39.47	43.50	-4.03	QP	100	144
4	224.98	52.66	-17.88	34.78	46.00	-11.22	Peak	100	122
5	249.73	58.66	-15.74	42.91	46.00	-3.09	QP	100	185
6	280.80	52.11	-12.84	39.27	46.00	-6.73	Peak	100	133

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



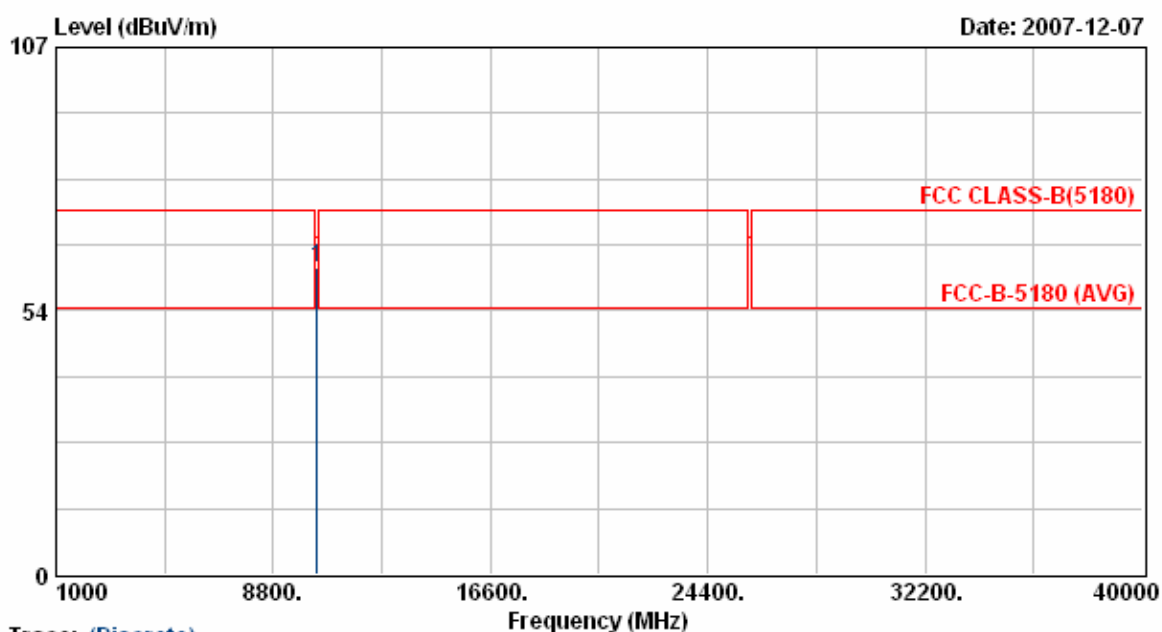
Trace: (Discrete)

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	399.40	51.71	-9.29	42.43	46.00	-3.57	QP	100	202
2	460.30	50.57	-7.60	42.97	46.00	-3.03	QP	100	138
3	600.30	45.17	-2.54	42.63	46.00	-3.37	QP	100	177
4	666.80	44.18	-3.38	40.81	46.00	-5.19	QP	100	158
5	749.40	45.96	-5.16	40.79	46.00	-5.21	QP	100	111
6	875.40	42.51	0.11	42.62	46.00	-3.38	QP	100	145
7	899.90	39.52	2.40	41.92	46.00	-4.08	QP	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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



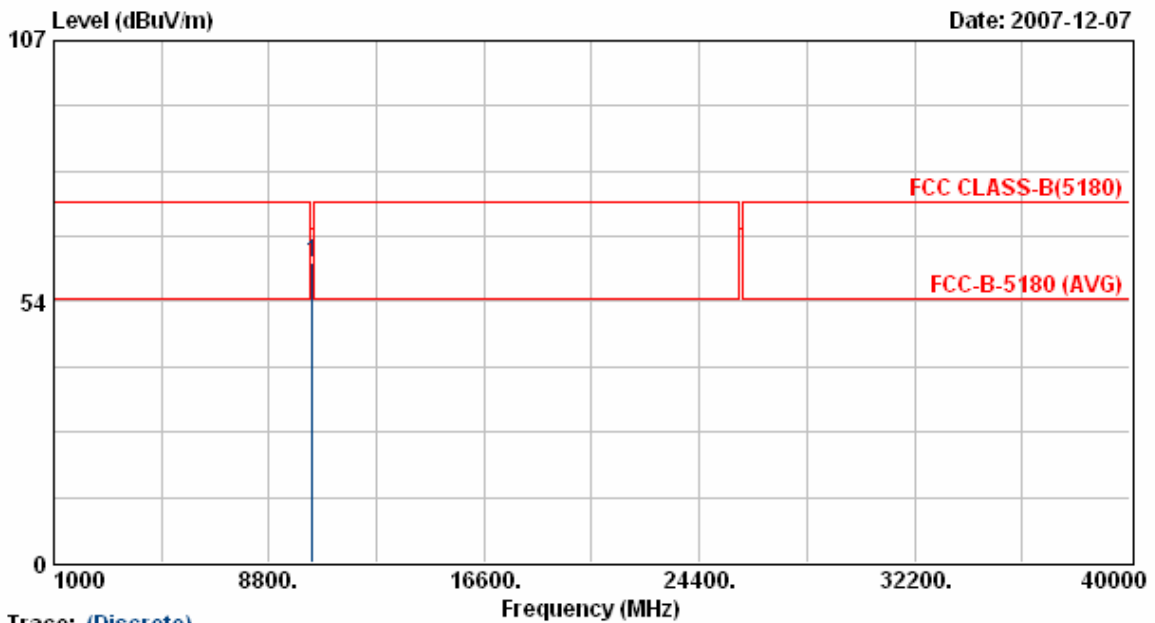
Trace: (Discrete)

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	10360.50	43.48	18.87	62.34	68.30	-5.96	Peak	100	214

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	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



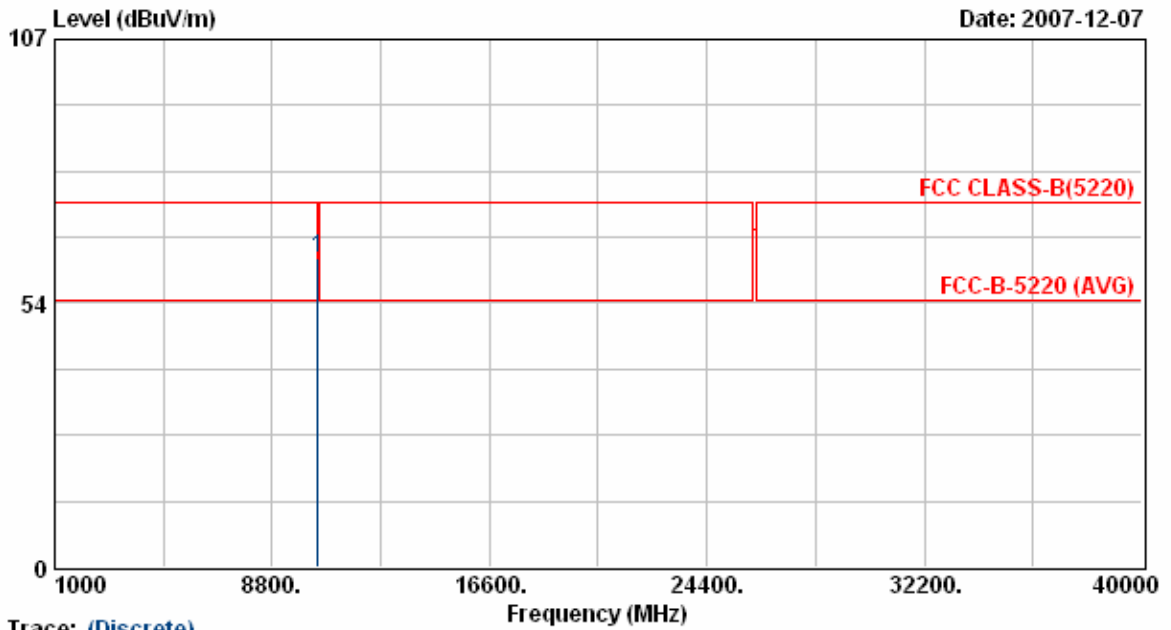
Trace: (Discrete)

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	10360.25	42.53	18.87	61.39	68.30	-6.91	Peak	100	201

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



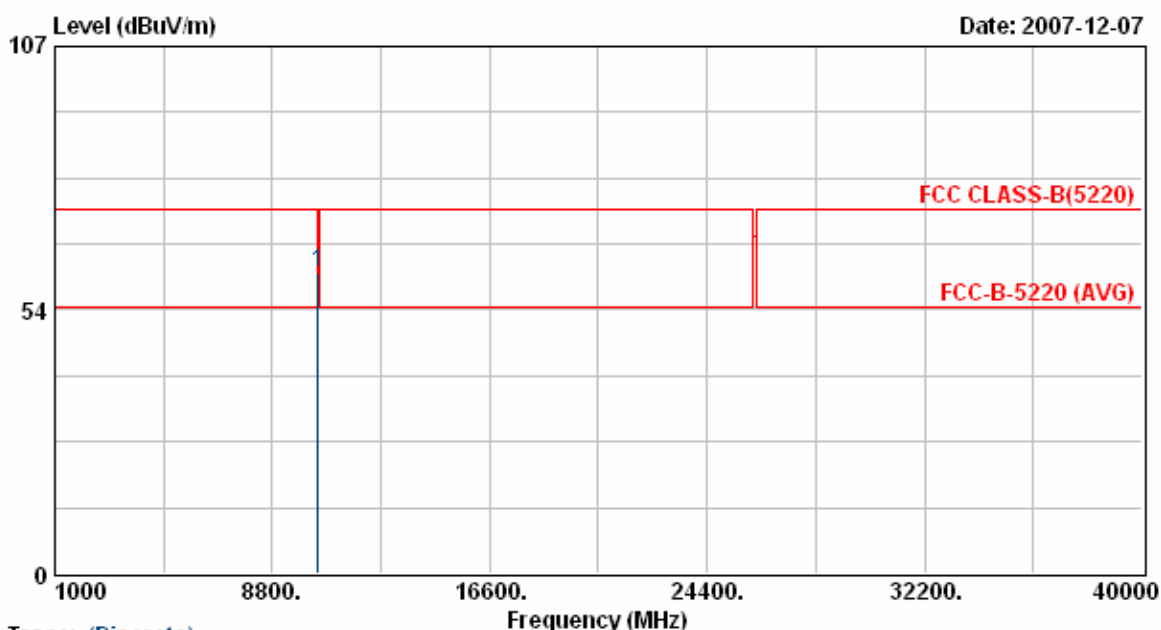
Trace: (Discrete)

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	10440.50	43.52	18.98	62.50	68.30	-5.80	Peak	100	214

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	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



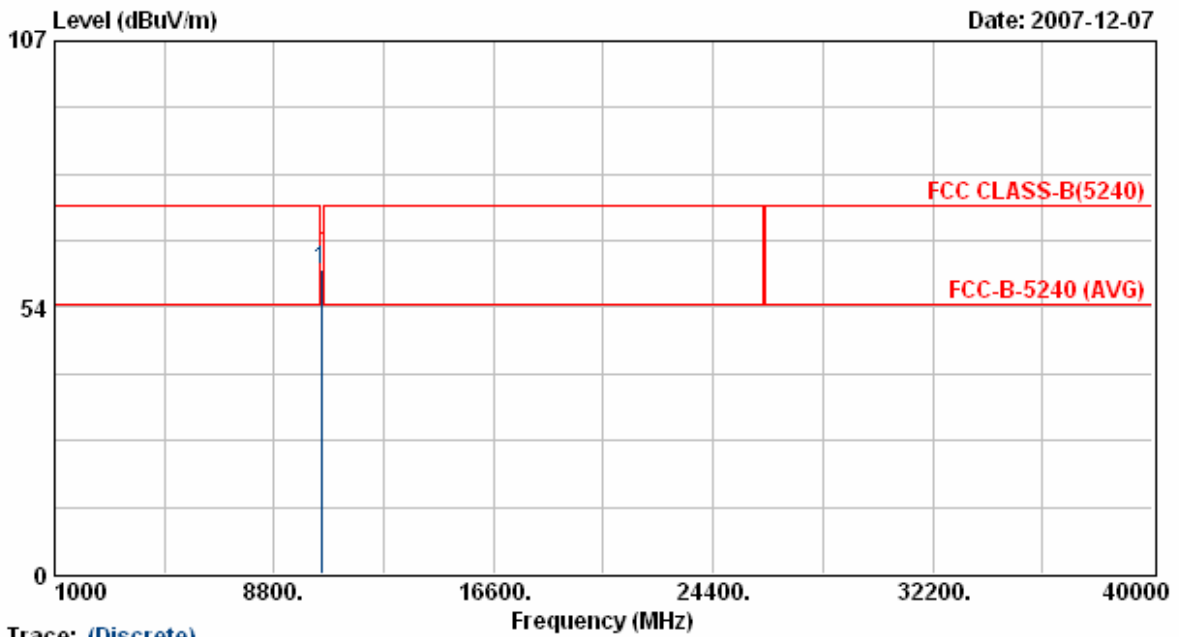
Trace: (Discrete)

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	10440.38	42.28	18.98	61.26	68.30	-7.04	Peak	100	201

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps

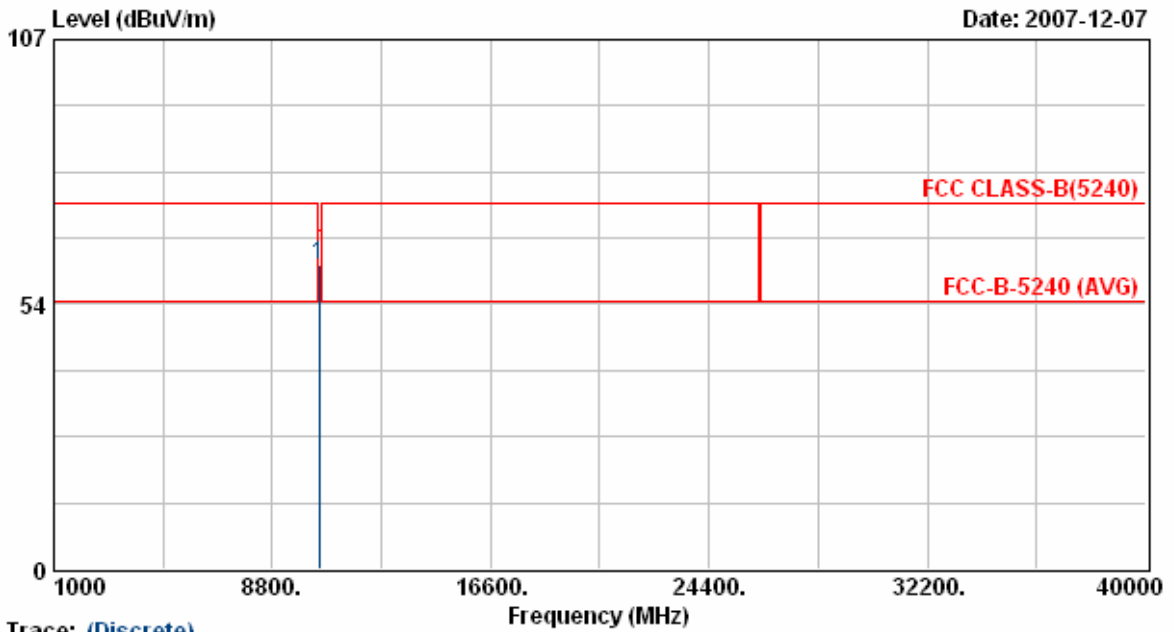


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10480.50	41.91	19.04	60.95	68.30	-7.35	Peak	100	214

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	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 130Mbps



Trace: (Discrete)

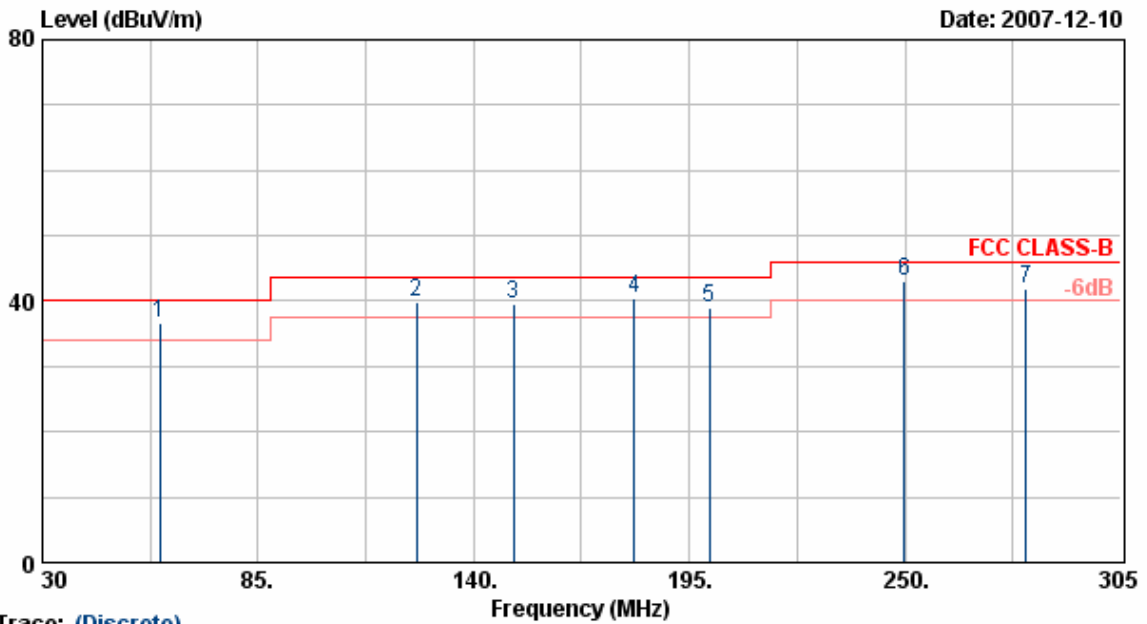
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10480.63	42.30	19.04	61.34	68.30	-6.96	Peak	100	201

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 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



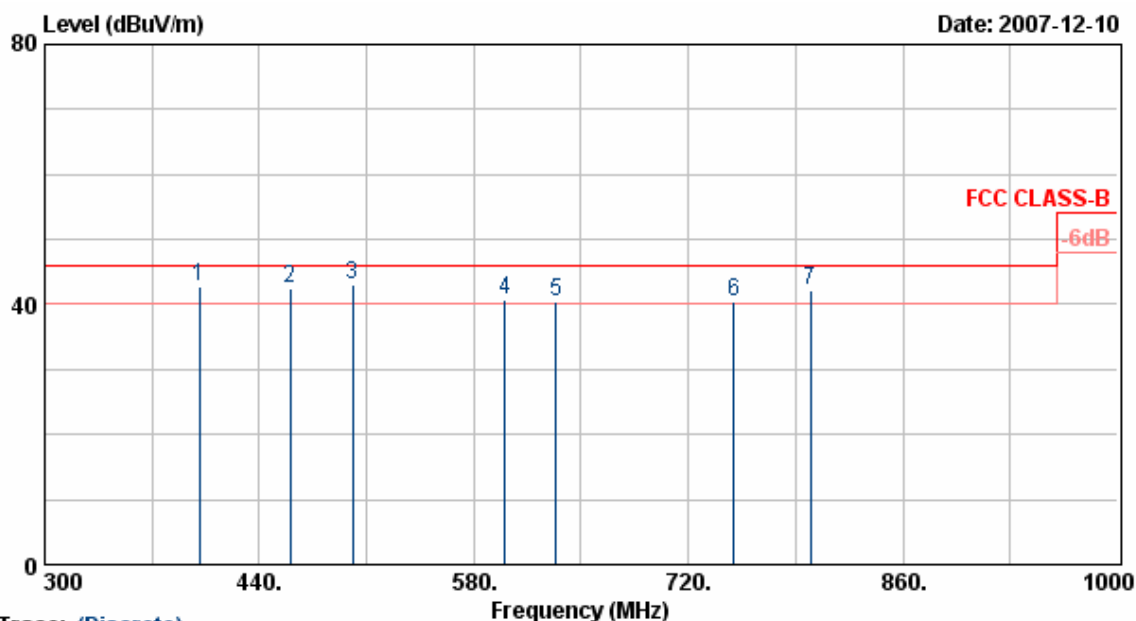
Trace: (Discrete)

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	59.98	54.33	-17.69	36.64	40.00	-3.36	QP	100	174
2	125.43	51.44	-11.45	39.99	43.50	-3.51	QP	100	122
3	150.18	52.55	-13.00	39.55	43.50	-3.95	QP	100	178
4	180.98	51.68	-11.35	40.33	43.50	-3.17	QP	100	166
5	200.23	51.73	-12.76	38.97	43.50	-4.53	QP	100	200
6	249.73	54.01	-11.07	42.94	46.00	-3.06	QP	100	177
7	280.80	52.90	-10.89	42.00	46.00	-4.00	QP	100	189

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



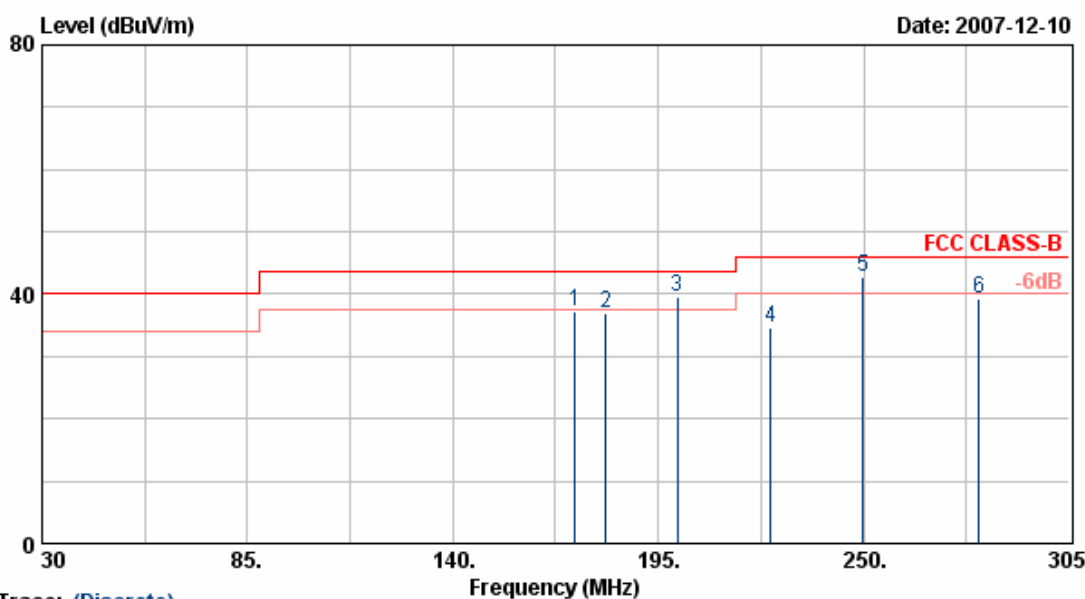
Trace: (Discrete)

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	400.80	52.71	-9.87	42.85	46.00	-3.15	QP	100	155
2	460.30	49.32	-6.92	42.40	46.00	-3.60	QP	100	174
3	500.90	47.65	-4.71	42.94	46.00	-3.06	QP	100	133
4	600.30	49.04	-8.34	40.69	46.00	-5.31	QP	100	137
5	633.90	43.91	-3.49	40.41	46.00	-5.59	QP	100	188
6	749.40	43.72	-3.16	40.56	46.00	-5.44	QP	100	172
7	799.80	44.19	-1.93	42.26	46.00	-3.74	QP	100	111

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



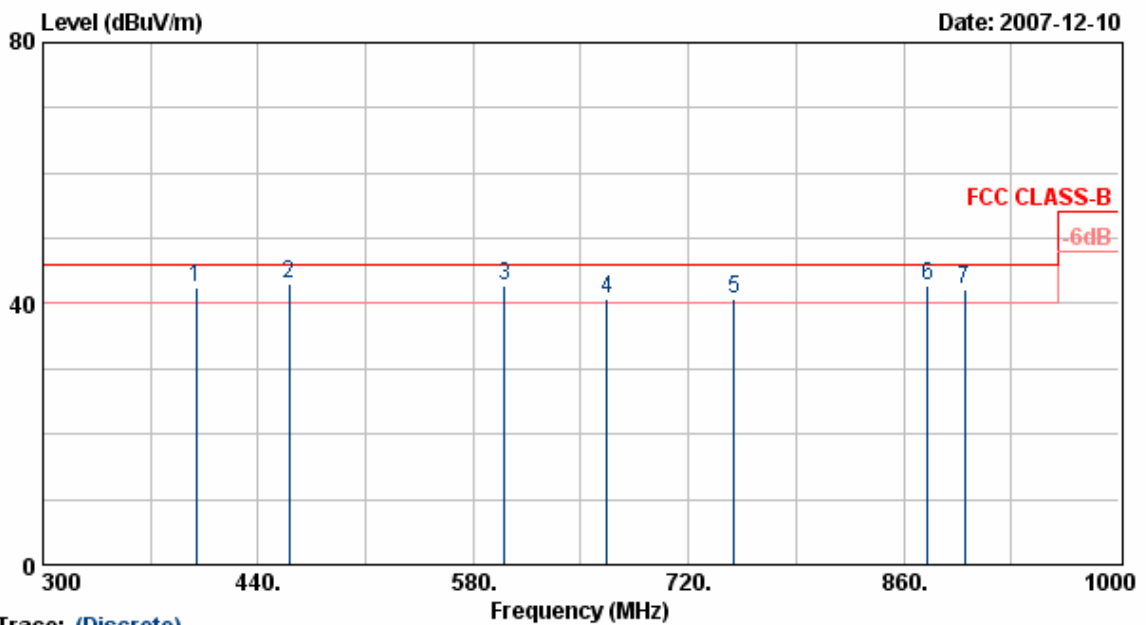
Trace: (Discrete)

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	172.73	57.70	-20.39	37.31	43.50	-6.19	Peak	100	175
2	180.98	58.59	-21.63	36.96	43.50	-6.54	Peak	100	164
3	200.23	58.65	-18.99	39.66	43.50	-3.84	QP	100	144
4	224.98	52.60	-17.88	34.71	46.00	-11.29	Peak	100	122
5	249.73	58.63	-15.74	42.88	46.00	-3.12	QP	100	185
6	280.80	52.18	-12.84	39.34	46.00	-6.66	Peak	100	133

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



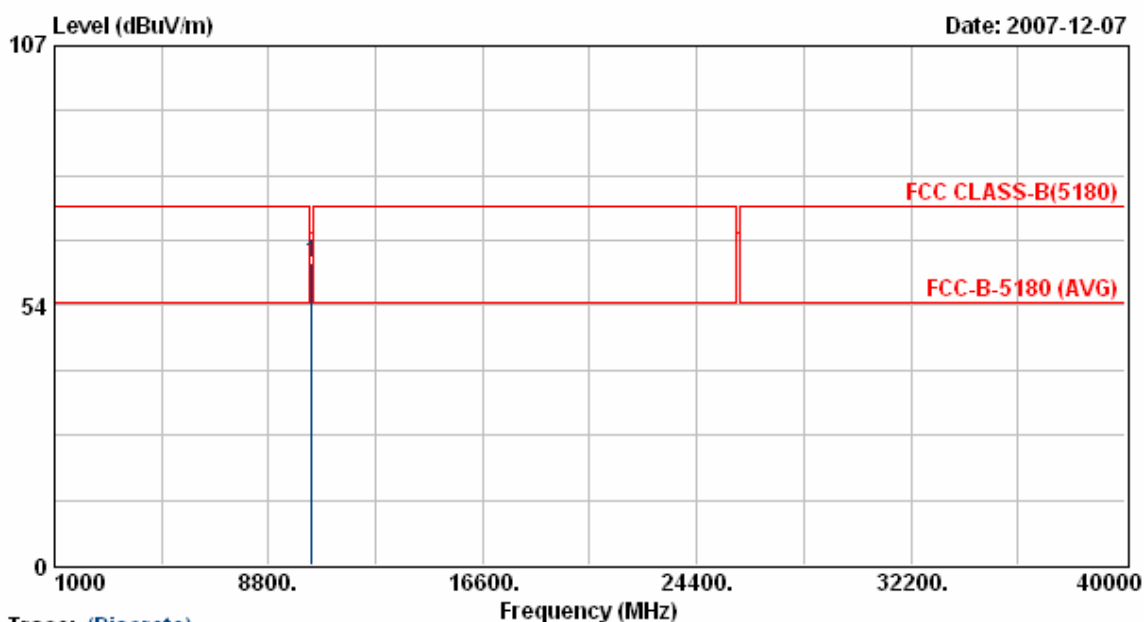
Trace: (Discrete)

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	399.40	51.70	-9.29	42.42	46.00	-3.58	QP	100	202
2	460.30	50.53	-7.60	42.92	46.00	-3.08	QP	100	138
3	600.30	45.29	-2.54	42.75	46.00	-3.25	QP	100	177
4	666.80	44.15	-3.38	40.77	46.00	-5.23	QP	100	158
5	749.40	46.00	-5.16	40.83	46.00	-5.17	QP	100	111
6	875.40	42.53	0.11	42.63	46.00	-3.37	QP	100	145
7	899.90	39.72	2.40	42.12	46.00	-3.88	QP	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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



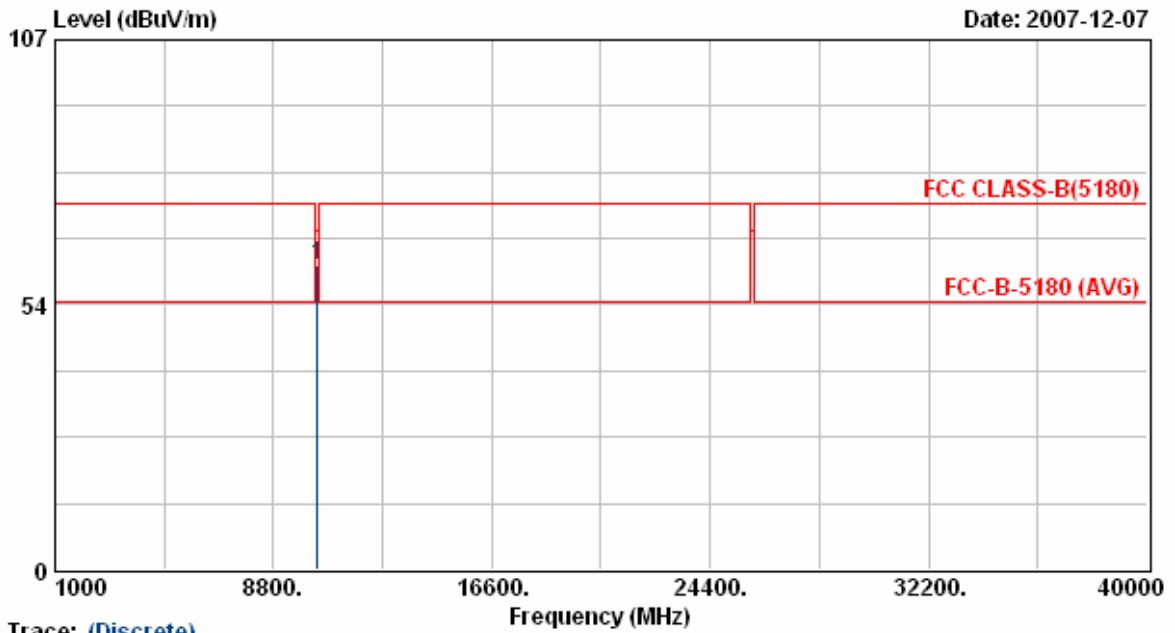
Trace: (Discrete)

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	10360.50	43.58	18.87	62.44	68.30	-5.86	Peak	100	214

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 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



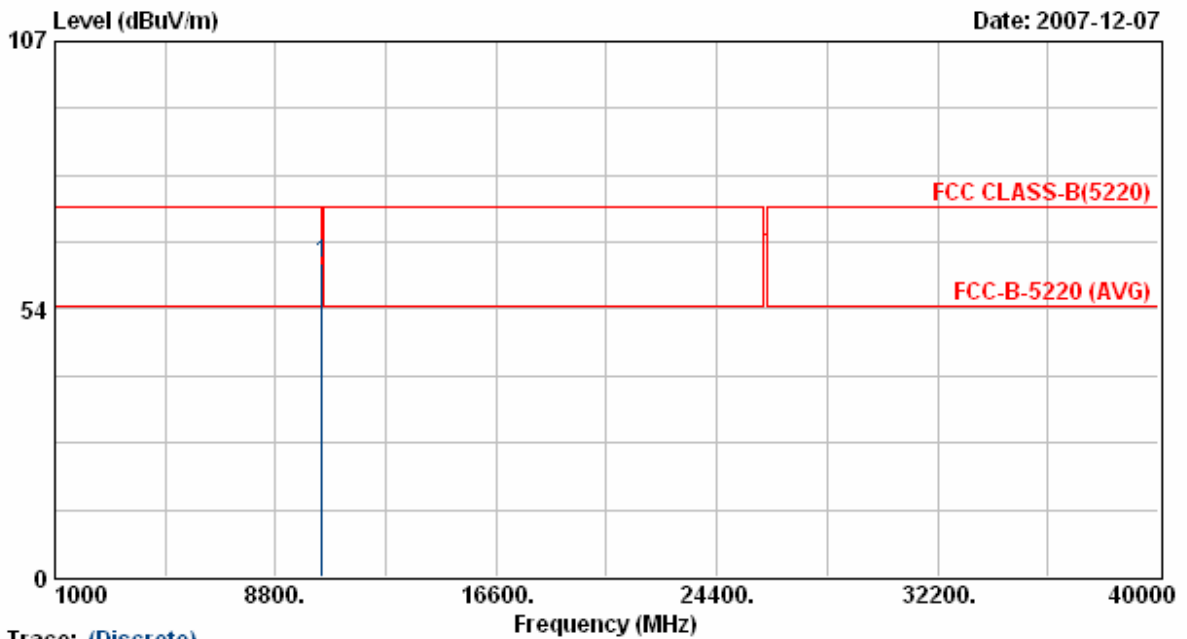
Trace: (Discrete)

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	10360.25	42.45	18.87	61.32	68.30	-6.98	Peak	100	201

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 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



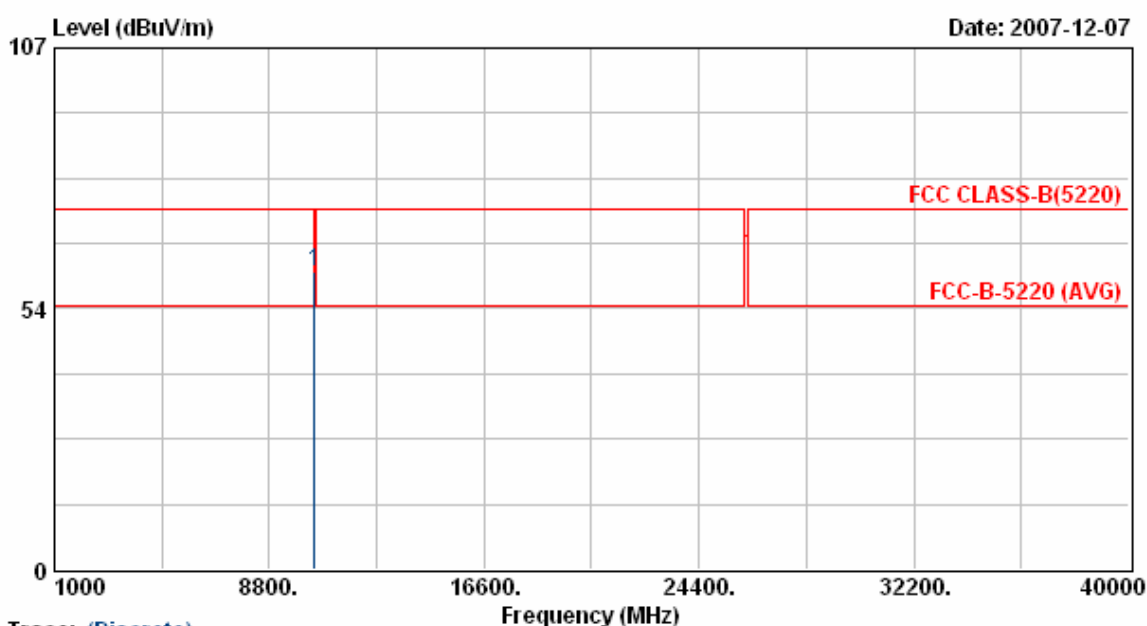
Trace: (Discrete)

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	10440.50	43.82	18.98	62.80	68.30	-5.50	Peak	100	214

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 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



Trace: (Discrete)

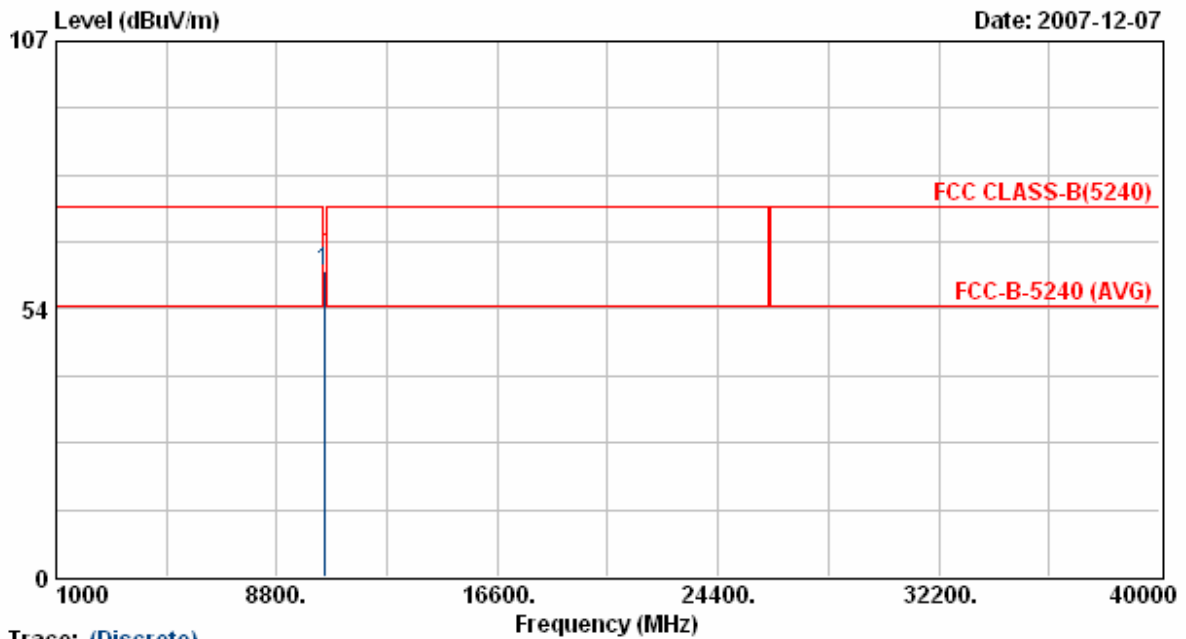
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10440.38	42.26	18.98	61.24	68.30	-7.06	Peak	100	201

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 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



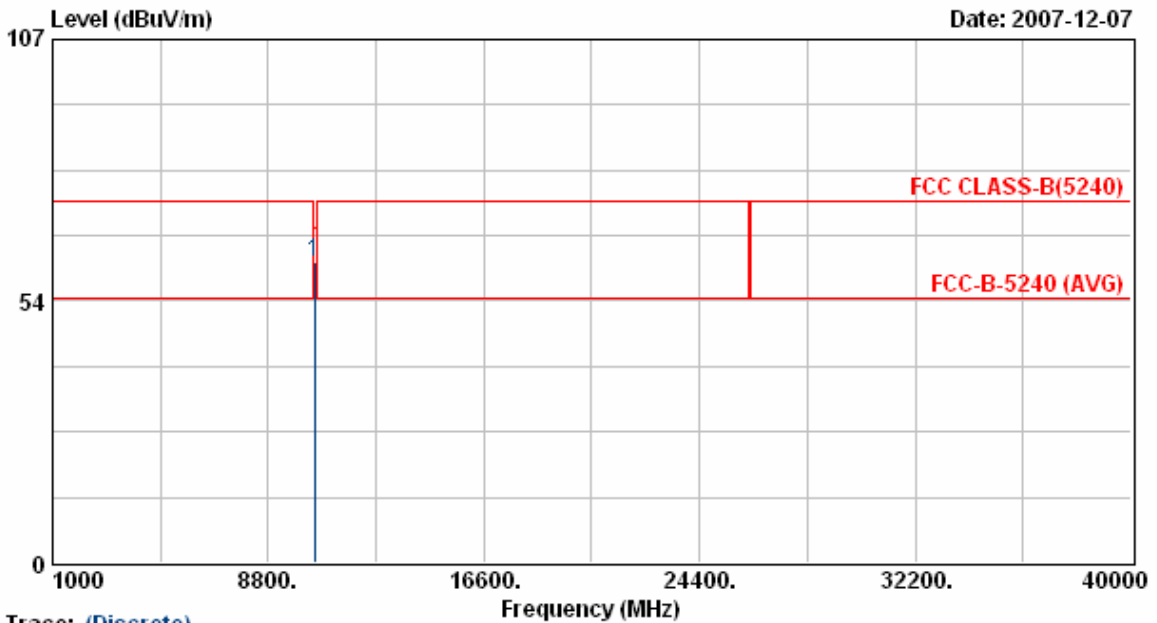
Trace: (Discrete)

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	10480.50	41.91	19.04	60.95	68.30	-7.35	Peak	100	214

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 7	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 130Mbps



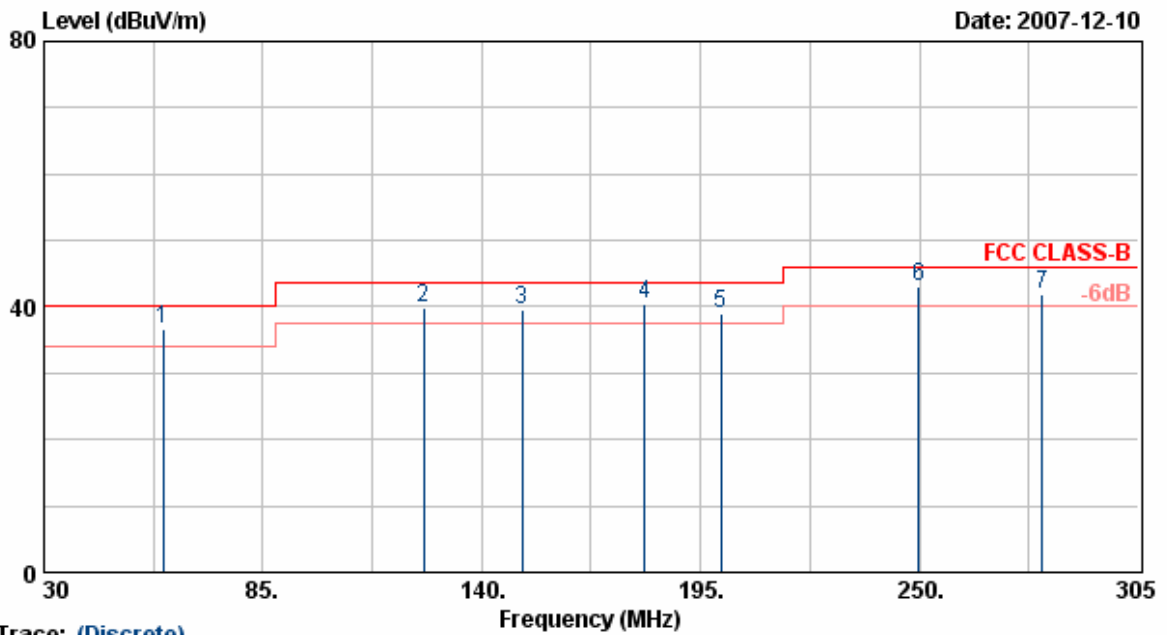
Trace: (Discrete)

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	10480.63	42.50	19.04	61.54	68.30	-6.76	Peak	100	201

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 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



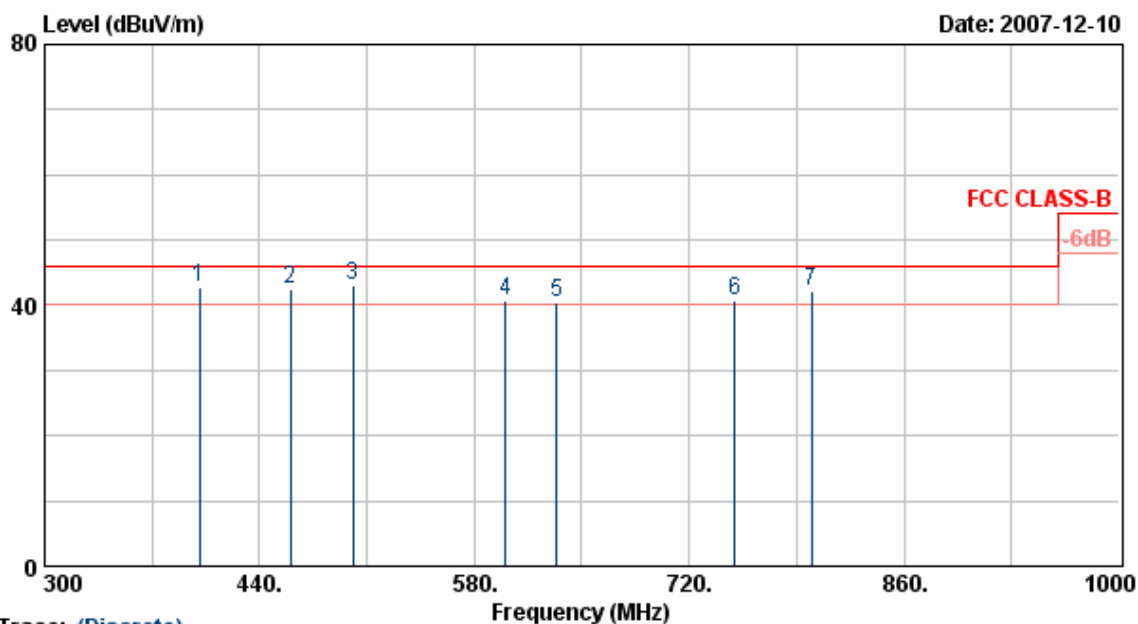
Trace: (Discrete)

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	59.98	54.34	-17.69	36.65	40.00	-3.35	QP	100	174
2	125.43	51.44	-11.45	39.99	43.50	-3.51	QP	100	122
3	150.18	52.67	-13.00	39.67	43.50	-3.83	QP	100	178
4	180.98	51.68	-11.35	40.33	43.50	-3.17	QP	100	166
5	200.23	51.79	-12.76	39.04	43.50	-4.46	QP	100	200
6	249.73	54.01	-11.07	42.94	46.00	-3.06	QP	100	177
7	280.80	52.79	-10.89	41.90	46.00	-4.10	QP	100	189

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



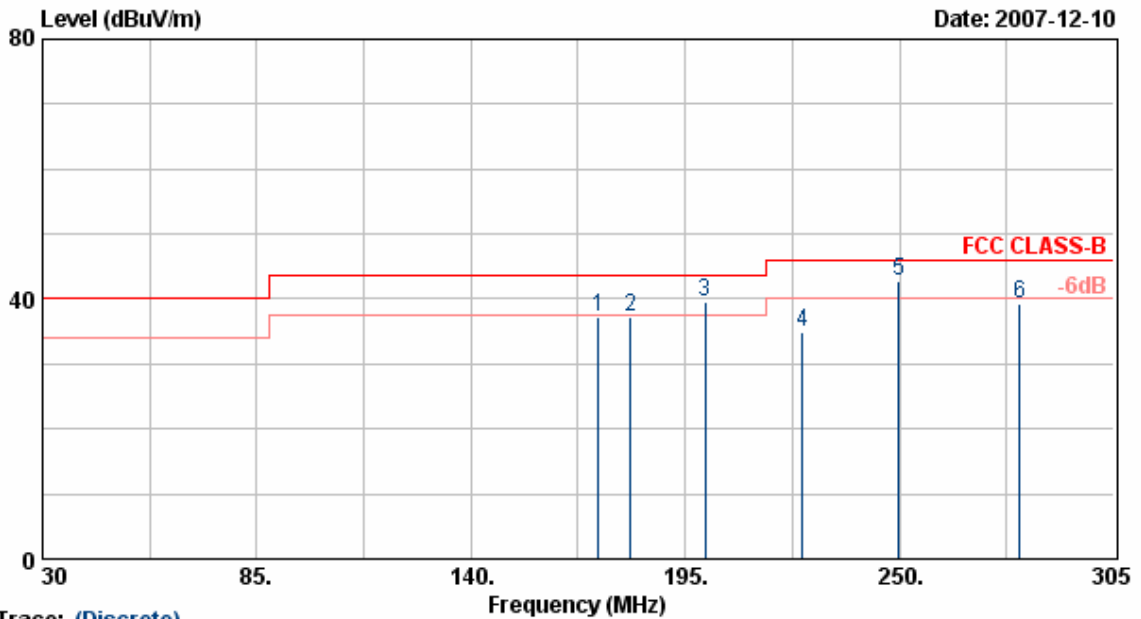
Trace: (Discrete)

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	400.80	52.71	-9.87	42.85	46.00	-3.15	QP	100	155
2	460.30	49.36	-6.92	42.44	46.00	-3.56	QP	100	174
3	500.90	47.65	-4.71	42.94	46.00	-3.06	QP	100	133
4	600.30	49.01	-8.34	40.67	46.00	-5.33	QP	100	137
5	633.90	43.91	-3.49	40.41	46.00	-5.59	QP	100	188
6	749.40	43.74	-3.16	40.58	46.00	-5.42	QP	100	172
7	799.80	44.19	-1.93	42.26	46.00	-3.74	QP	100	111

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



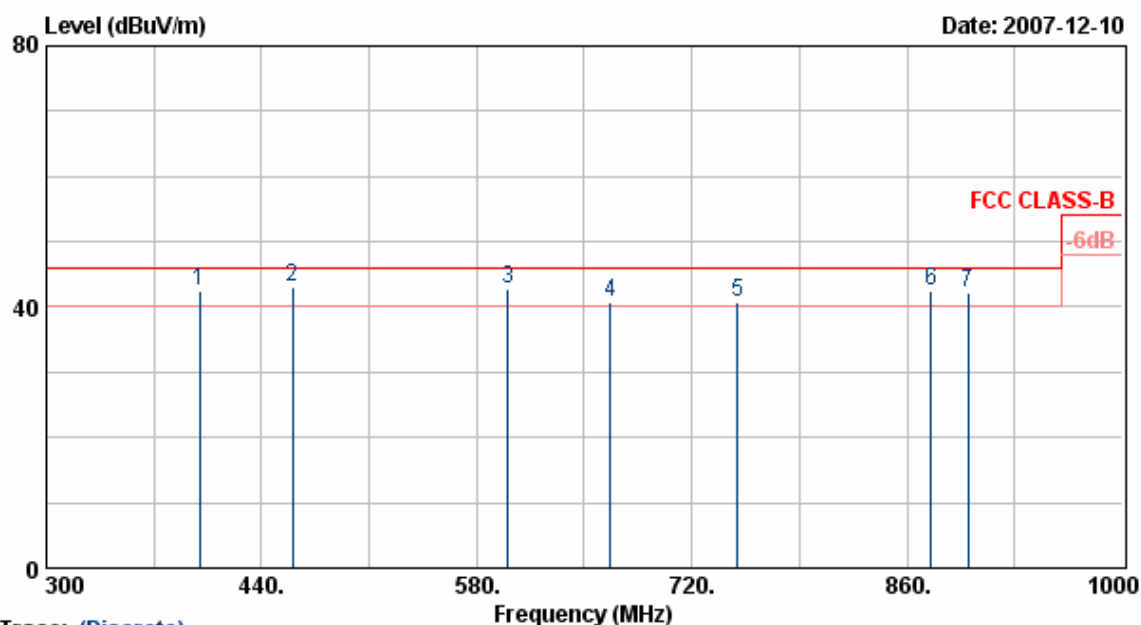
Trace: (Discrete)

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	172.73	57.70	-20.39	37.31	43.50	-6.19	Peak	100	175
2	180.98	58.89	-21.63	37.26	43.50	-6.24	Peak	100	164
3	200.23	58.65	-18.99	39.66	43.50	-3.84	QP	100	144
4	224.98	52.66	-17.88	34.78	46.00	-11.22	Peak	100	122
5	249.73	58.63	-15.74	42.88	46.00	-3.12	QP	100	185
6	280.80	52.11	-12.84	39.27	46.00	-6.73	Peak	100	133

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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



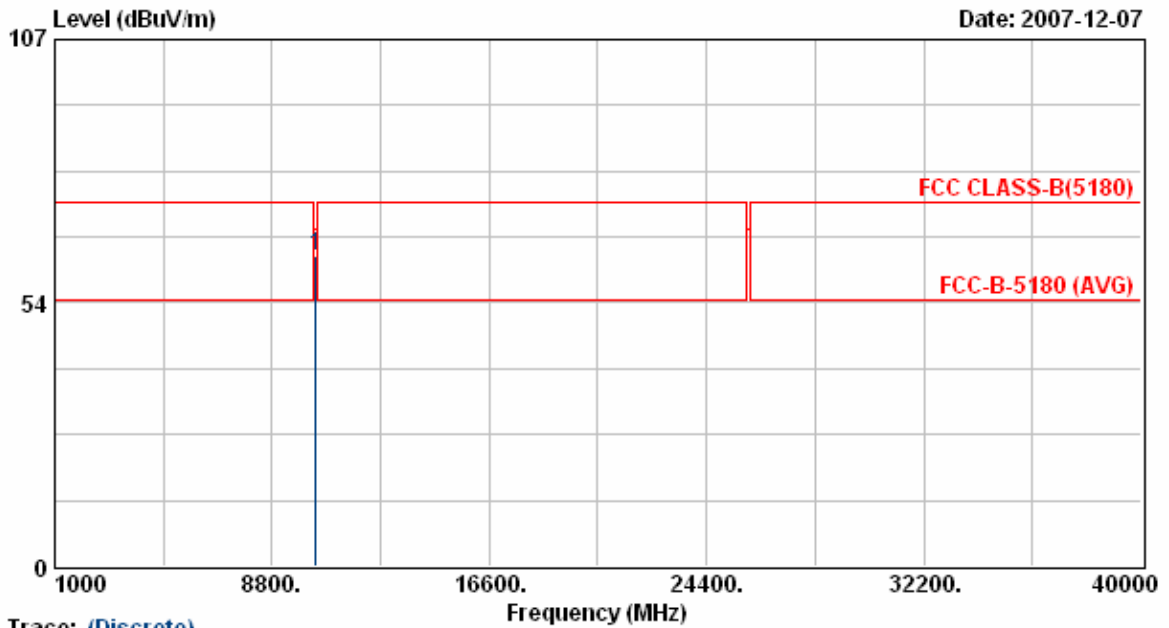
Trace: (Discrete)

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	399.40	51.70	-9.29	42.42	46.00	-3.58	QP	100	202
2	460.30	50.57	-7.60	42.97	46.00	-3.03	QP	100	138
3	600.30	45.29	-2.54	42.75	46.00	-3.25	QP	100	177
4	666.80	44.18	-3.38	40.81	46.00	-5.19	QP	100	158
5	749.40	46.00	-5.16	40.83	46.00	-5.17	QP	100	111
6	875.40	42.51	0.11	42.62	46.00	-3.38	QP	100	145
7	899.90	39.72	2.40	42.12	46.00	-3.88	QP	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 802.11an HT20 mode at channel 36,44,48 are almost the same below 1GHz, so that the channel 36 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



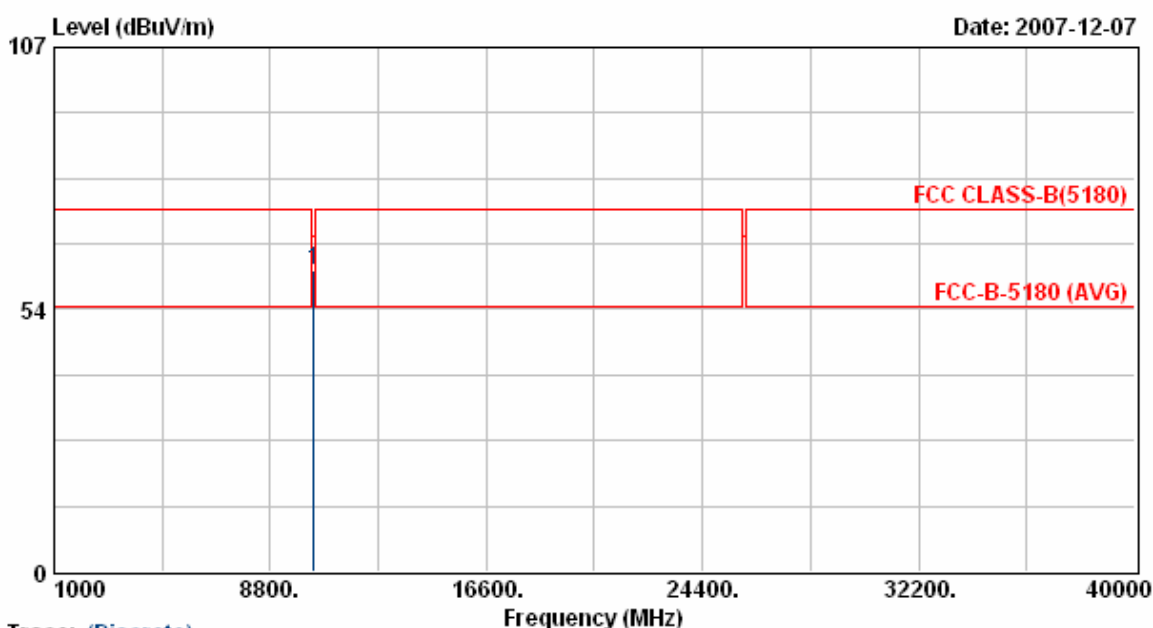
Trace: (Discrete)

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	10360.50	43.98	18.87	62.84	68.30	-5.46	Peak	100	214

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 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 36	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



Trace: (Discrete)

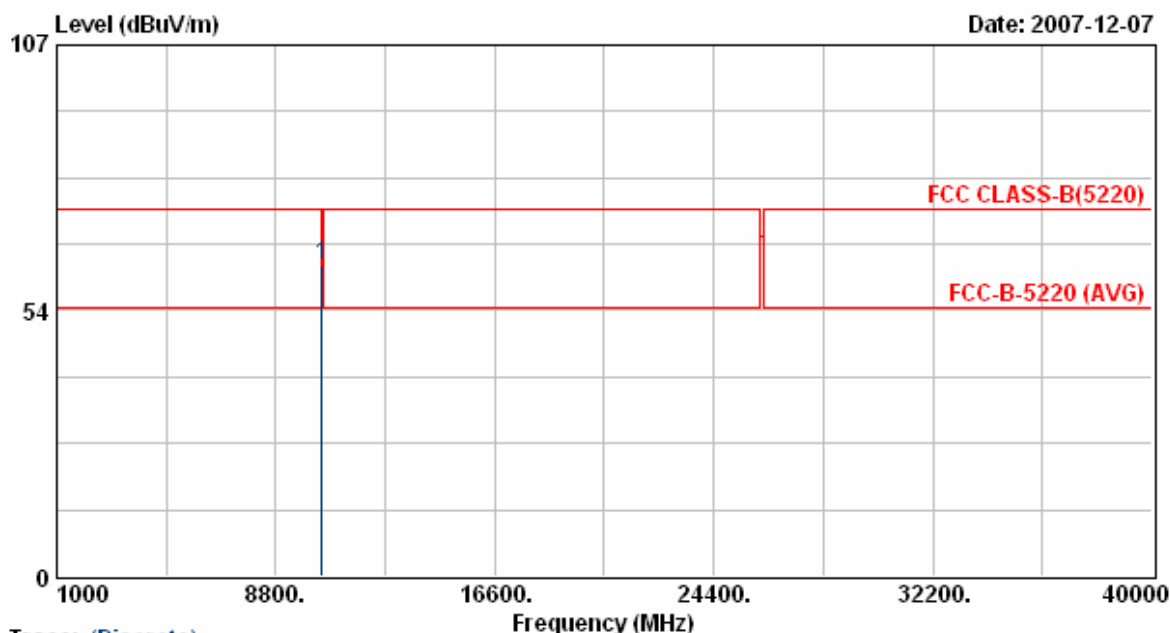
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10360.25	42.53	18.87	61.39	68.30	-6.91	Peak	100	201

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 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



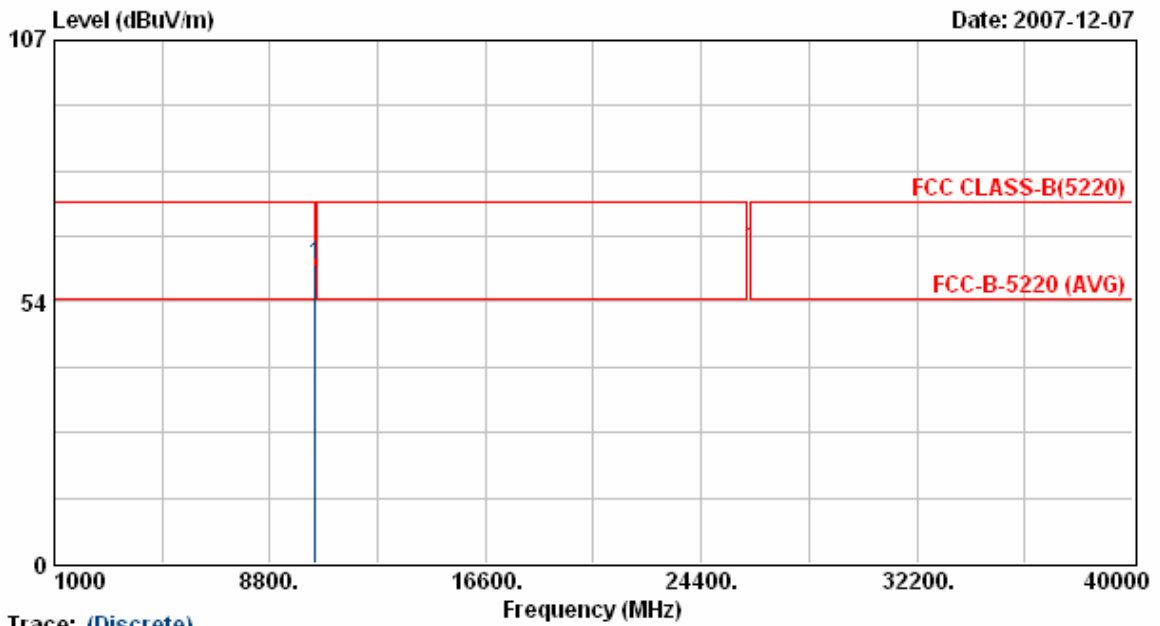
Trace: (Discrete)

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	10440.50	43.52	18.98	62.50	68.30	-5.80	Peak	100	214

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 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 44	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



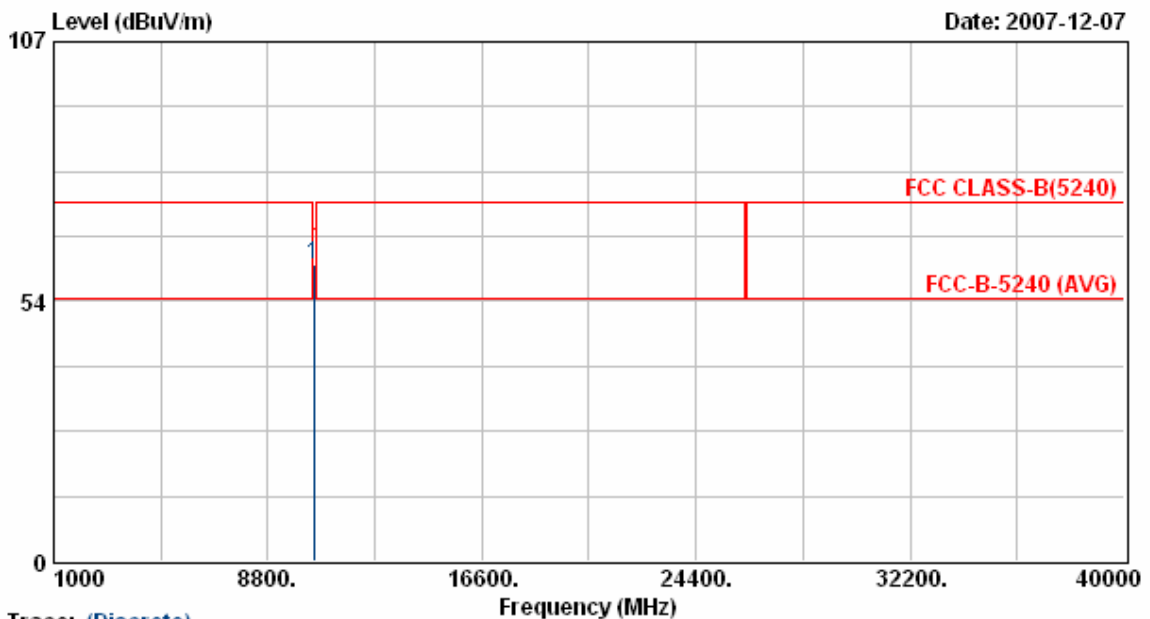
Trace: (Discrete)

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	10440.38	42.28	18.98	61.26	68.30	-7.04	Peak	100	201

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 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



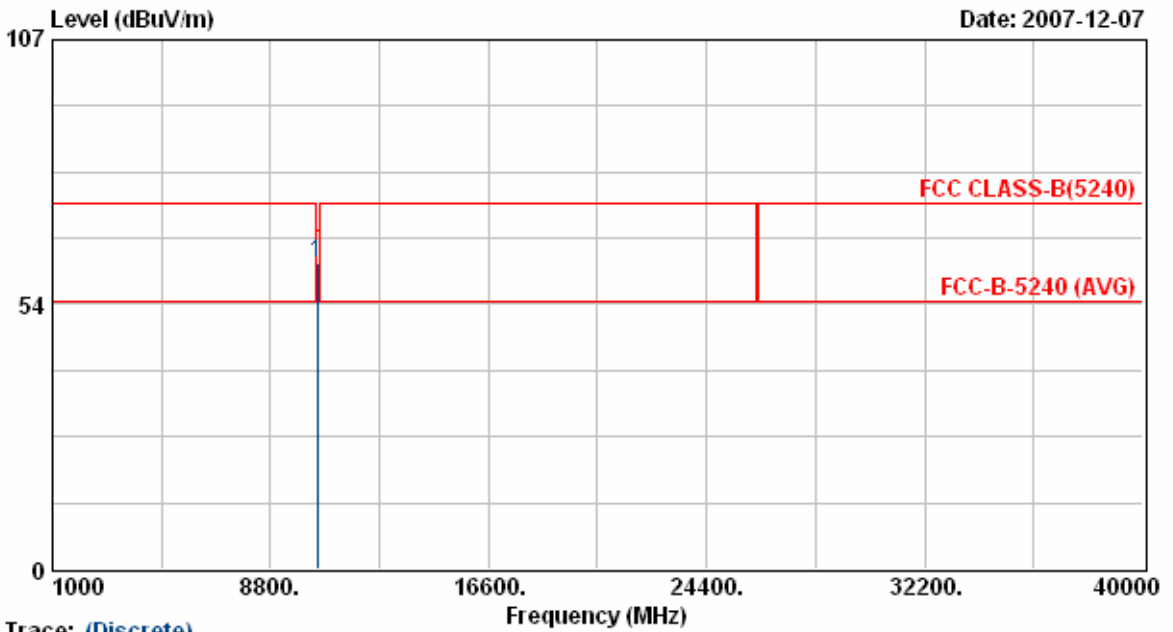
Trace: (Discrete)

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	10480.50	41.91	19.04	60.95	68.30	-7.35	Peak	100	214

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 8	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 48	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 20MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-R3	Rate	: 130Mbps



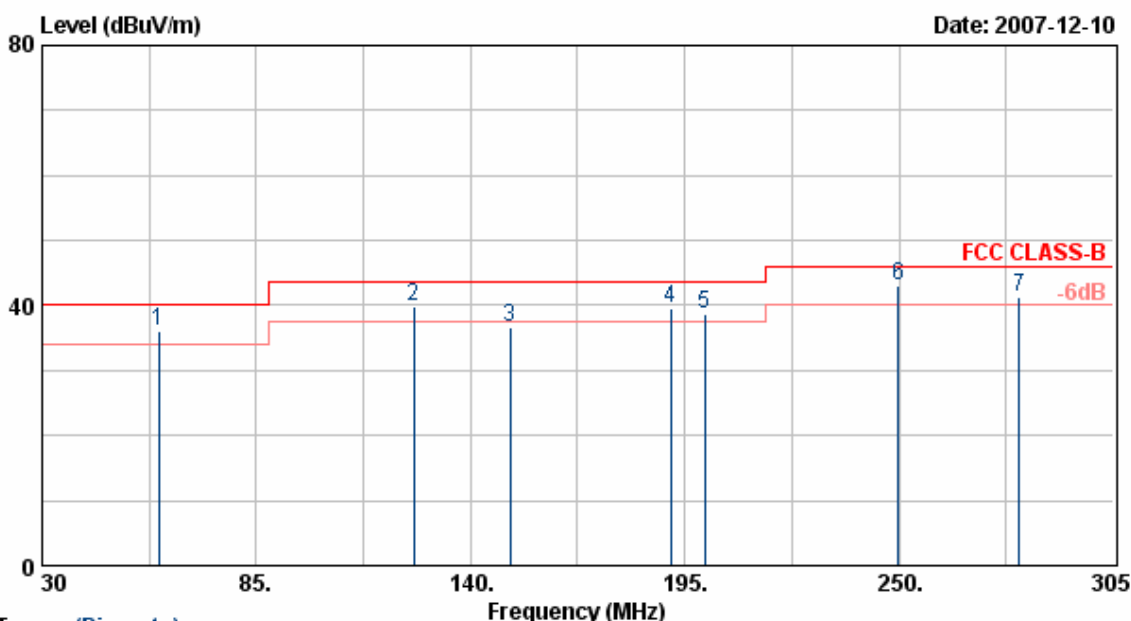
Trace: (Discrete)

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	10480.63	43.00	19.04	62.04	68.30	-6.26	Peak	100	201

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 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



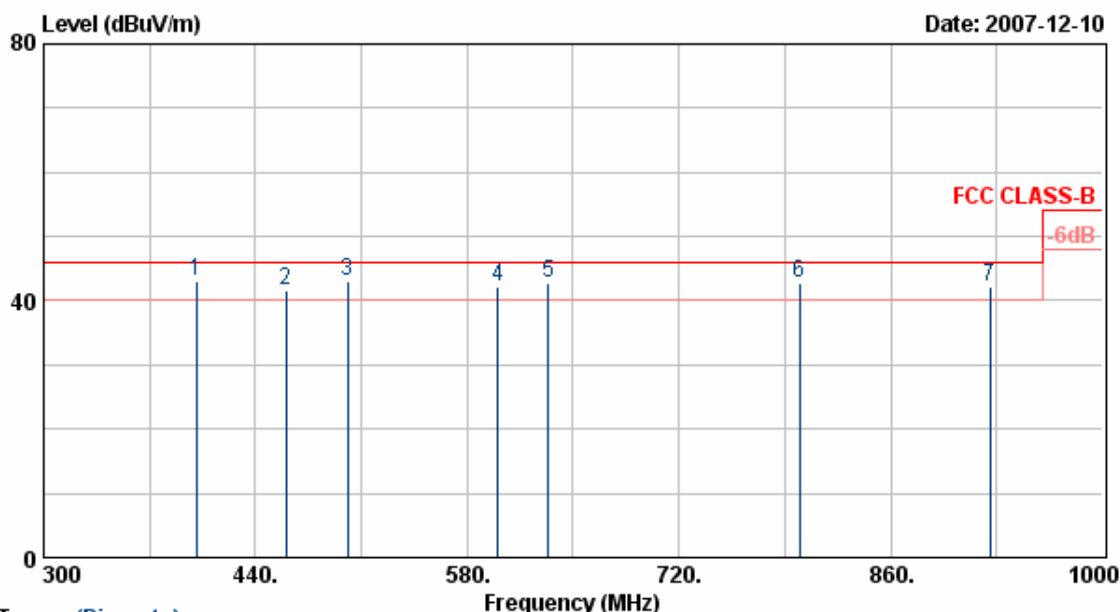
Trace: (Discrete)

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	59.98	53.87	-17.69	36.17	40.00	-3.83	QP	100	178
2	125.43	51.32	-11.45	39.88	43.50	-3.62	QP	100	155
3	150.18	49.63	-13.00	36.63	43.50	-6.87	Peak	100	173
4	191.43	52.01	-12.55	39.46	43.50	-4.04	QP	100	133
5	200.23	51.58	-12.76	38.82	43.50	-4.68	QP	100	187
6	249.73	54.07	-11.07	43.00	46.00	-3.00	QP	100	196
7	280.80	52.30	-10.89	41.41	46.00	-4.59	QP	100	166

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



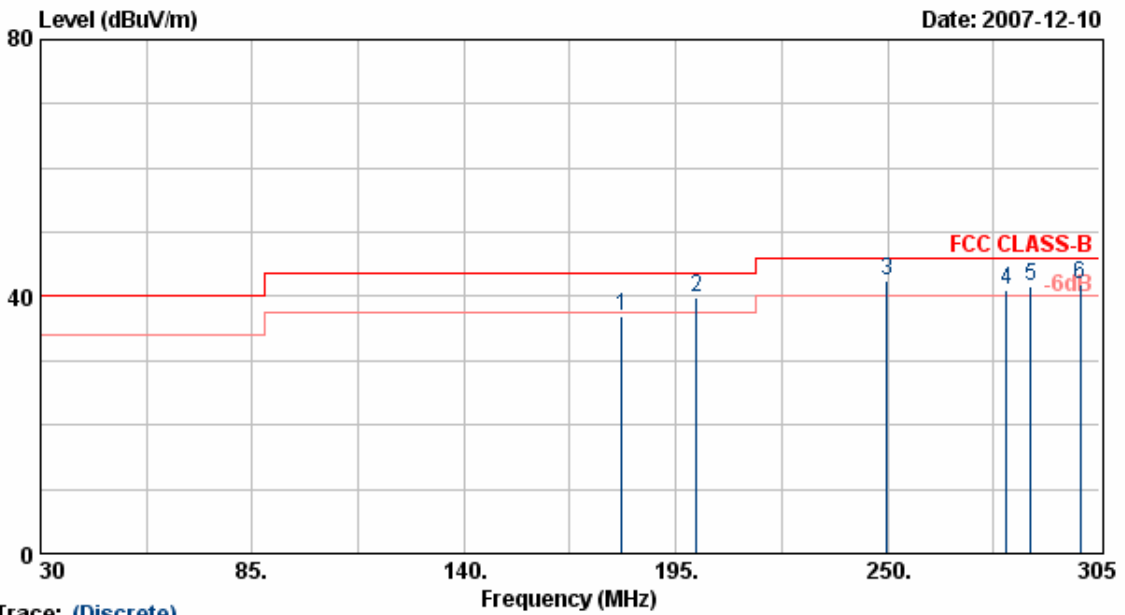
Trace: (Discrete)

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	400.80	52.86	-9.87	42.99	46.00	-3.01	QP	100	177
2	460.30	48.47	-6.92	41.55	46.00	-4.45	QP	100	167
3	500.90	47.64	-4.71	42.93	46.00	-3.07	QP	100	152
4	600.30	50.39	-8.34	42.04	46.00	-3.96	QP	100	137
5	633.90	46.31	-3.49	42.82	46.00	-3.18	QP	100	155
6	799.80	44.62	-1.93	42.69	46.00	-3.31	QP	100	178
7	925.80	38.95	3.25	42.20	46.00	-3.80	QP	100	180

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps

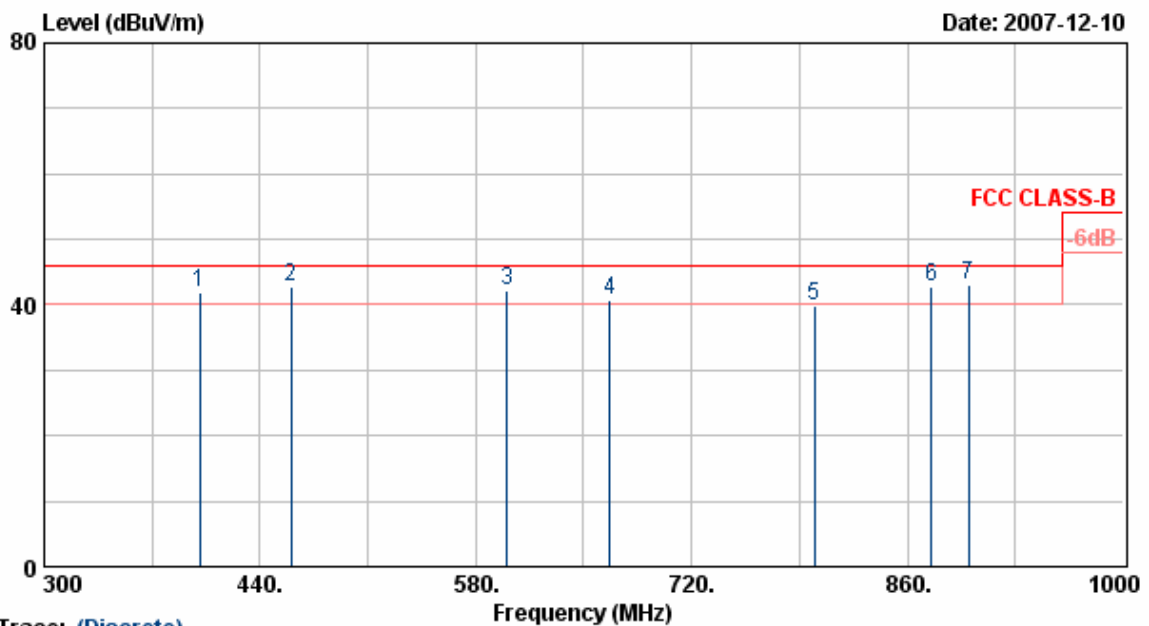


Trace: (Discrete)

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	181.04	58.63	-21.63	37.00	43.50	-6.50	Peak	100	189
2	200.24	58.84	-18.99	39.85	43.50	-3.65	QP	100	221
3	249.84	58.18	-15.72	42.46	46.00	-3.54	QP	100	201
4	280.88	53.96	-12.87	41.08	46.00	-4.92	QP	100	197
5	287.28	56.65	-15.00	41.65	46.00	-4.35	QP	100	118
6	300.08	57.49	-15.51	41.98	46.00	-4.02	QP	100	150

- Notes:
1. Result = Read Value + Factor
  2. Factor = Antenna Factor + Cable Loss - Amplifier
  3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
  4. According to technical experiences, all spurious emission of 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
  5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



Trace: (Discrete)

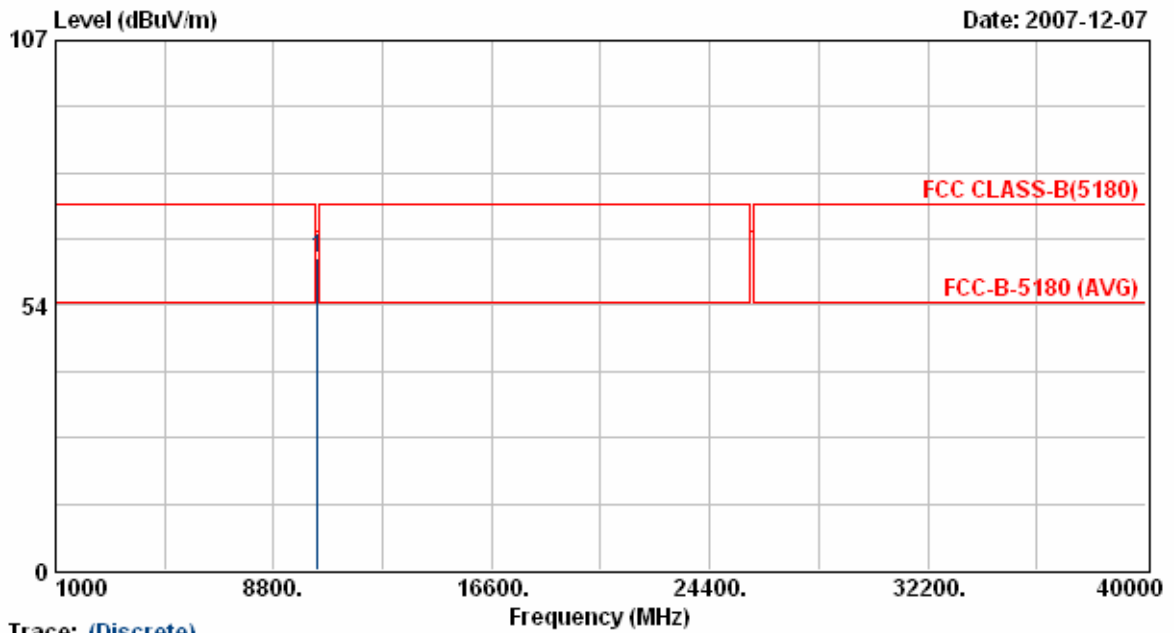
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	400.80	51.12	-9.18	41.94	46.00	-4.06	QP	100	168
2	460.30	50.47	-7.60	42.86	46.00	-3.14	QP	100	187
3	600.30	44.79	-2.54	42.25	46.00	-3.75	QP	100	154
4	666.80	44.12	-3.38	40.74	46.00	-5.26	QP	100	122
5	799.80	43.60	-3.63	39.97	46.00	-6.03	Peak	100	142
6	875.40	42.74	0.11	42.84	46.00	-3.16	QP	100	147
7	899.90	40.53	2.40	42.92	46.00	-3.08	QP	100	163

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



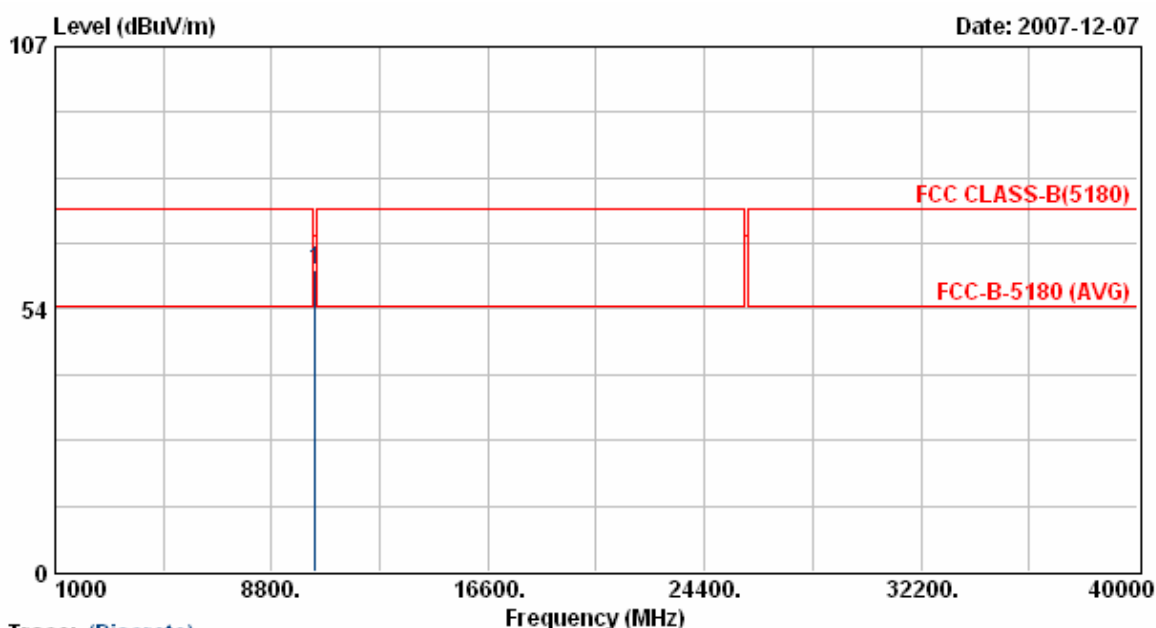
Trace: (Discrete)

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	10380.50	43.95	18.90	62.84	68.30	-5.46	Peak	100	214

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 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



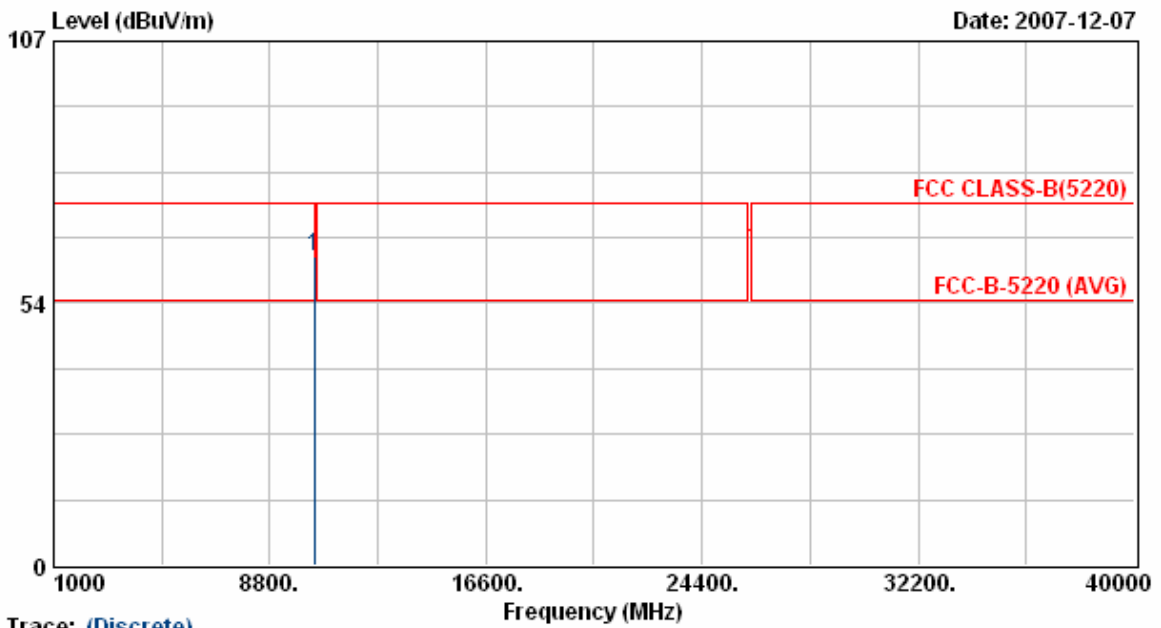
Trace: (Discrete)

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	10380.25	42.50	18.90	61.39	68.30	-6.91	Peak	100	201

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 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 42	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



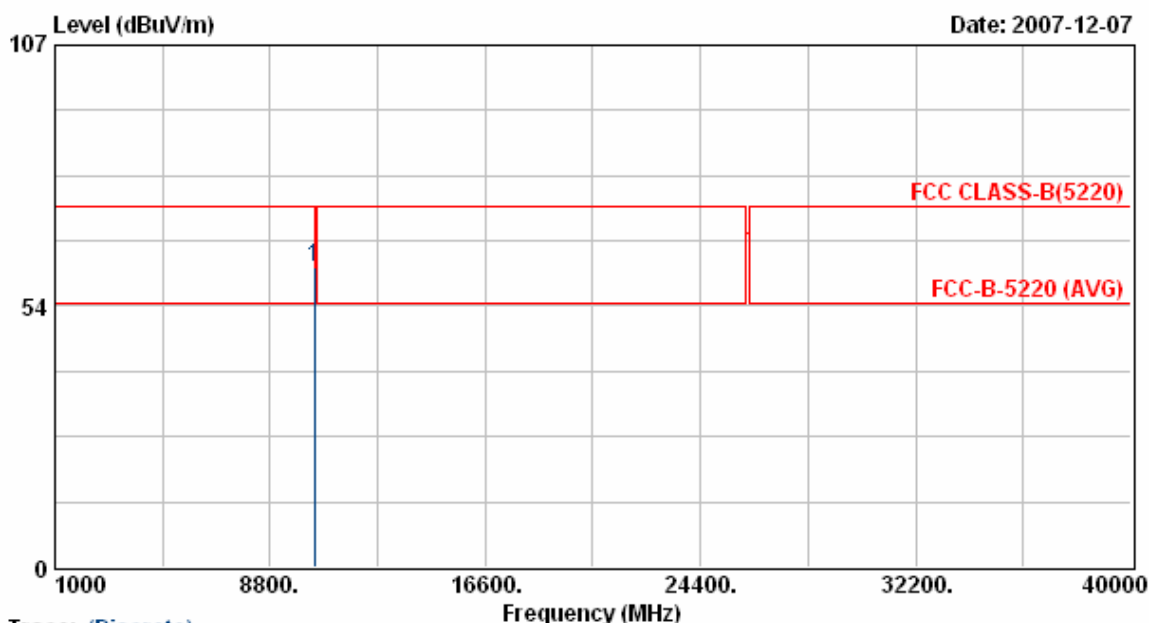
Trace: (Discrete)

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	10420.50	43.95	18.95	62.90	68.30	-5.40	Peak	100	214

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 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 42	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



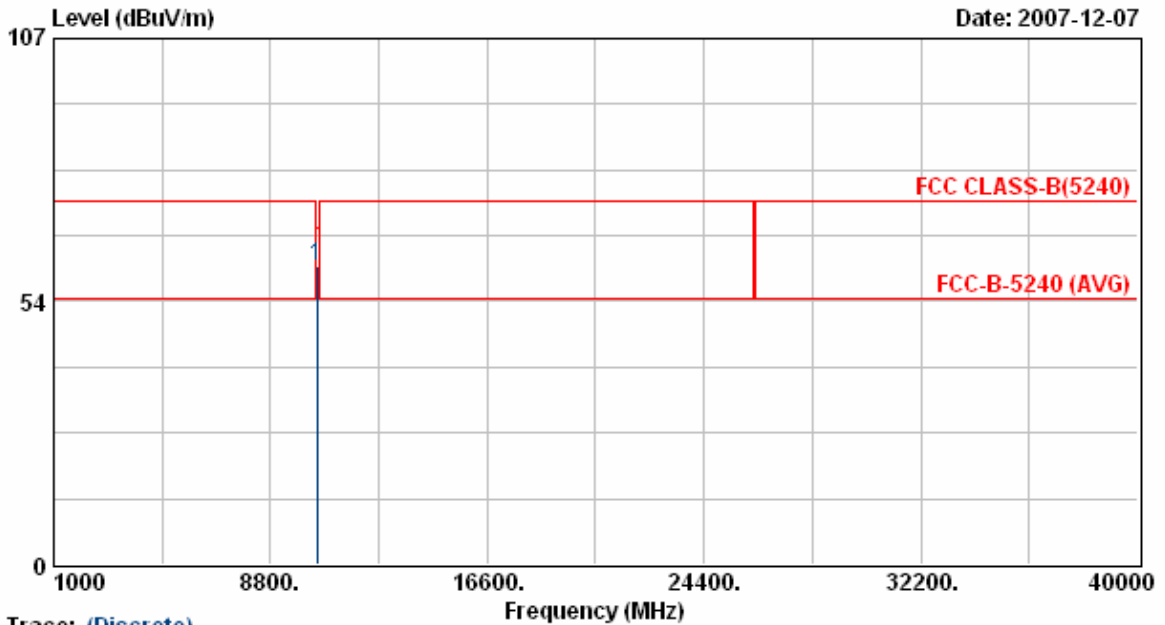
Trace: (Discrete)

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	10420.38	42.51	18.95	61.46	68.30	-6.84	Peak	100	201

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 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 46	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps



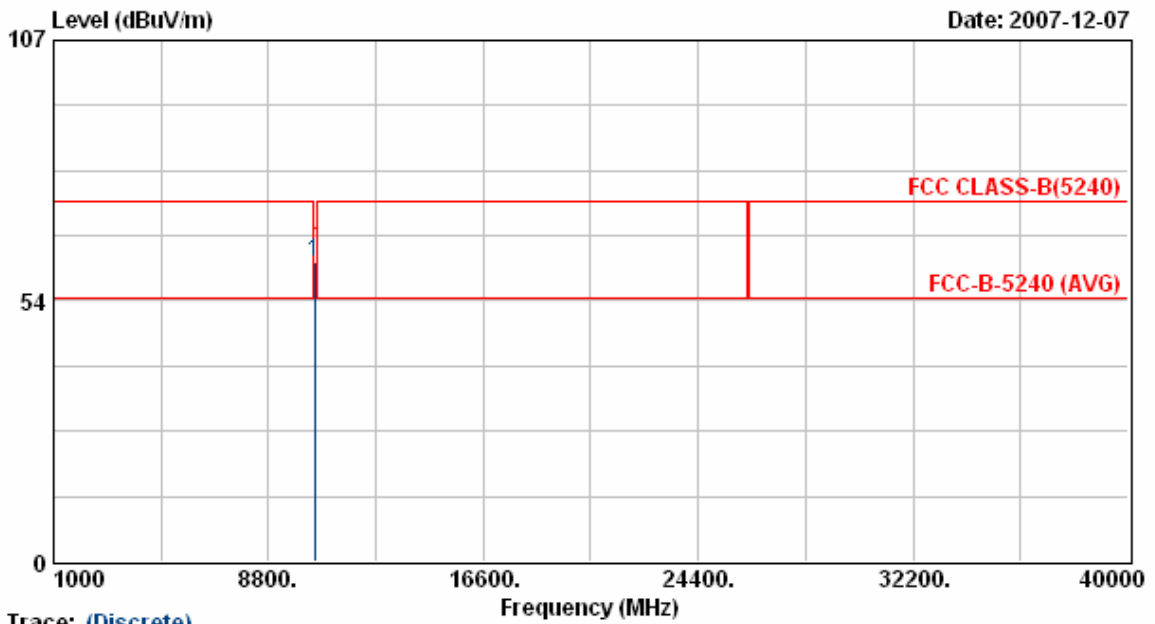
Trace: (Discrete)

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	10460.50	41.84	19.01	60.85	68.30	-7.45	Peak	100	214

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 9	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 46	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-L3	Rate	: 270Mbps

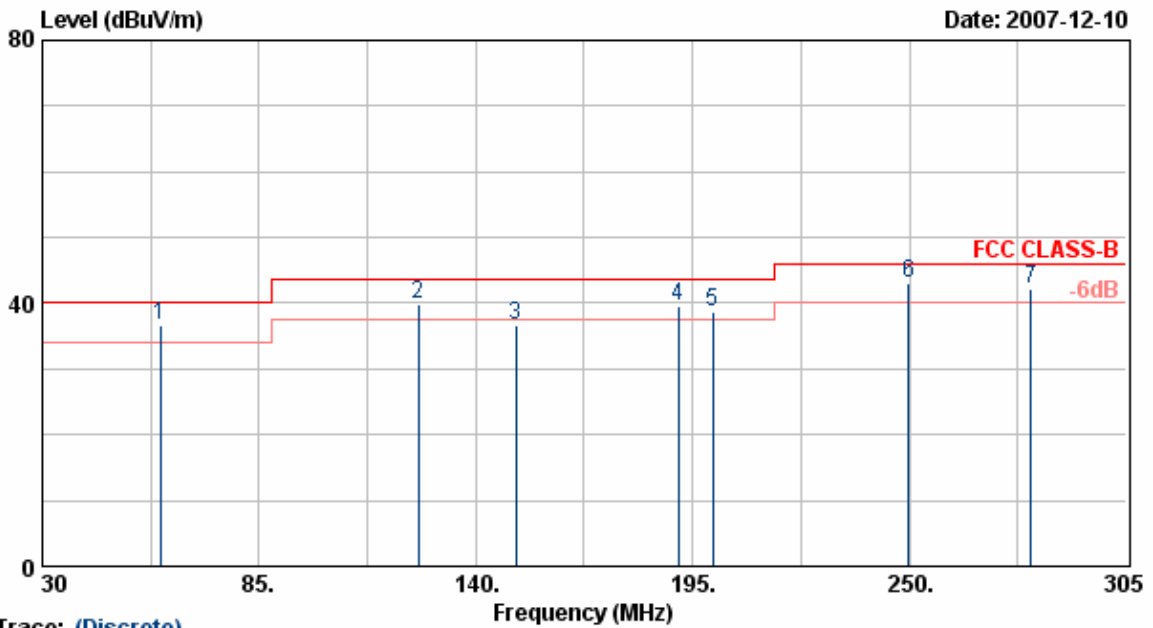


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10460.63	42.33	19.01	61.34	68.30	-6.96	Peak	100	201

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 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



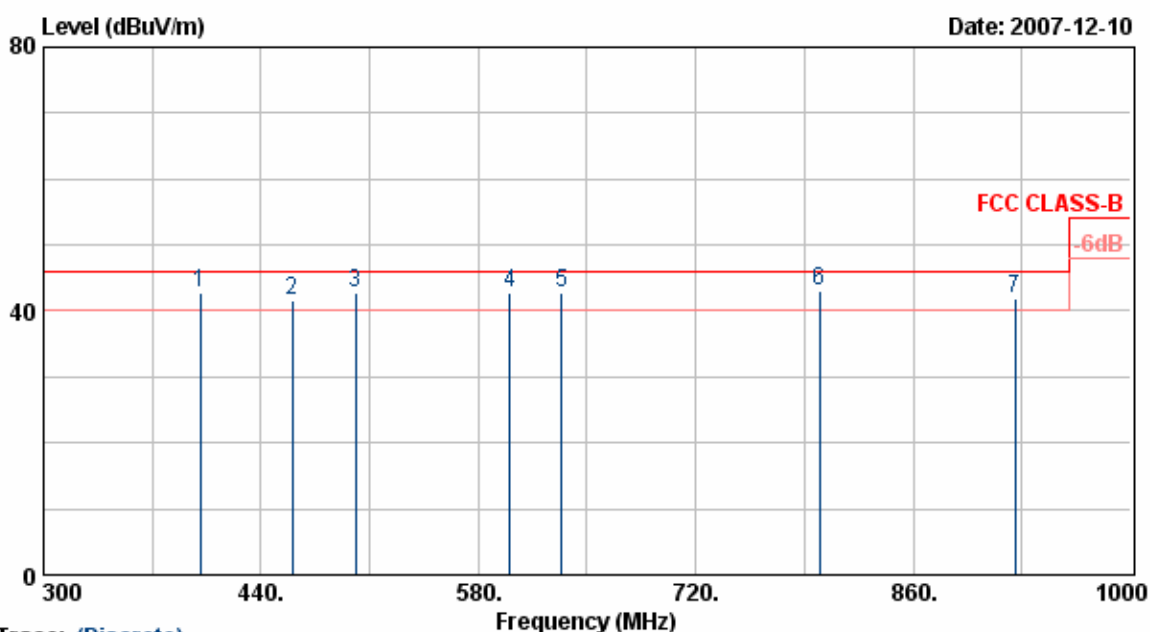
Trace: (Discrete)

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	59.98	54.33	-17.69	36.63	40.00	-3.37	QP	100	178
2	125.43	51.32	-11.45	39.88	43.50	-3.62	QP	100	155
3	150.18	49.57	-13.00	36.57	43.50	-6.93	Peak	100	173
4	191.43	52.01	-12.55	39.46	43.50	-4.04	QP	100	133
5	200.23	51.45	-12.76	38.69	43.50	-4.81	QP	100	187
6	249.73	54.07	-11.07	43.00	46.00	-3.00	QP	100	196
7	280.80	53.00	-10.89	42.11	46.00	-3.89	QP	100	166

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



Trace: (Discrete)

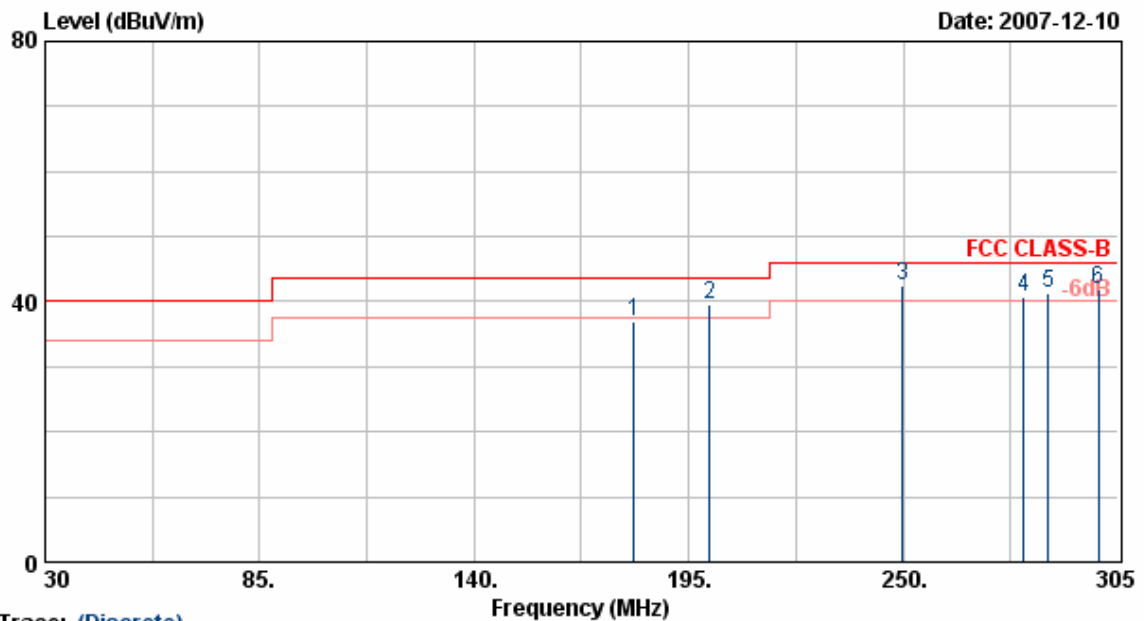
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	400.80	52.59	-9.87	42.72	46.00	-3.28	QP	100	177
2	460.30	48.48	-6.92	41.56	46.00	-4.44	QP	100	167
3	500.90	47.61	-4.71	42.89	46.00	-3.11	QP	100	152
4	600.30	51.08	-8.34	42.74	46.00	-3.26	QP	100	137
5	633.90	46.23	-3.49	42.73	46.00	-3.27	QP	100	155
6	799.80	44.92	-1.93	42.99	46.00	-3.01	QP	100	178
7	925.80	38.76	3.25	42.01	46.00	-3.99	QP	100	180

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



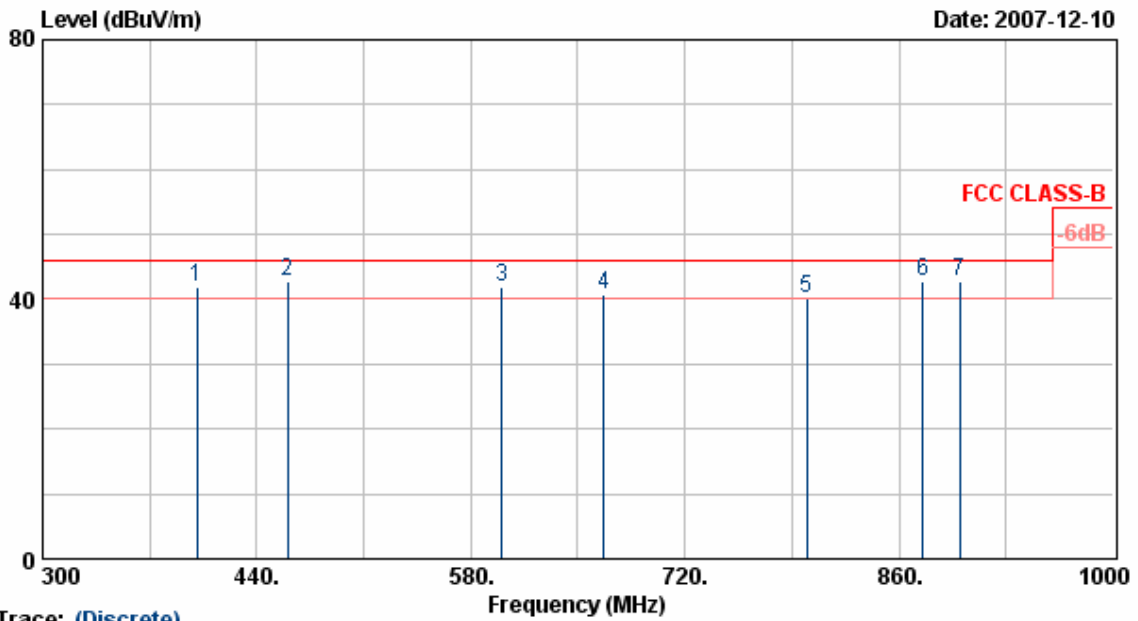
Trace: (Discrete)

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	181.04	58.61	-21.63	36.99	43.50	-6.51	Peak	100	189
2	200.24	58.67	-18.99	39.68	43.50	-3.82	QP	100	221
3	249.84	58.15	-15.72	42.43	46.00	-3.57	QP	100	201
4	280.88	53.66	-12.87	40.78	46.00	-5.22	QP	100	197
5	287.28	56.43	-15.00	41.44	46.00	-4.56	QP	100	118
6	300.08	57.48	-15.51	41.97	46.00	-4.03	QP	100	150

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



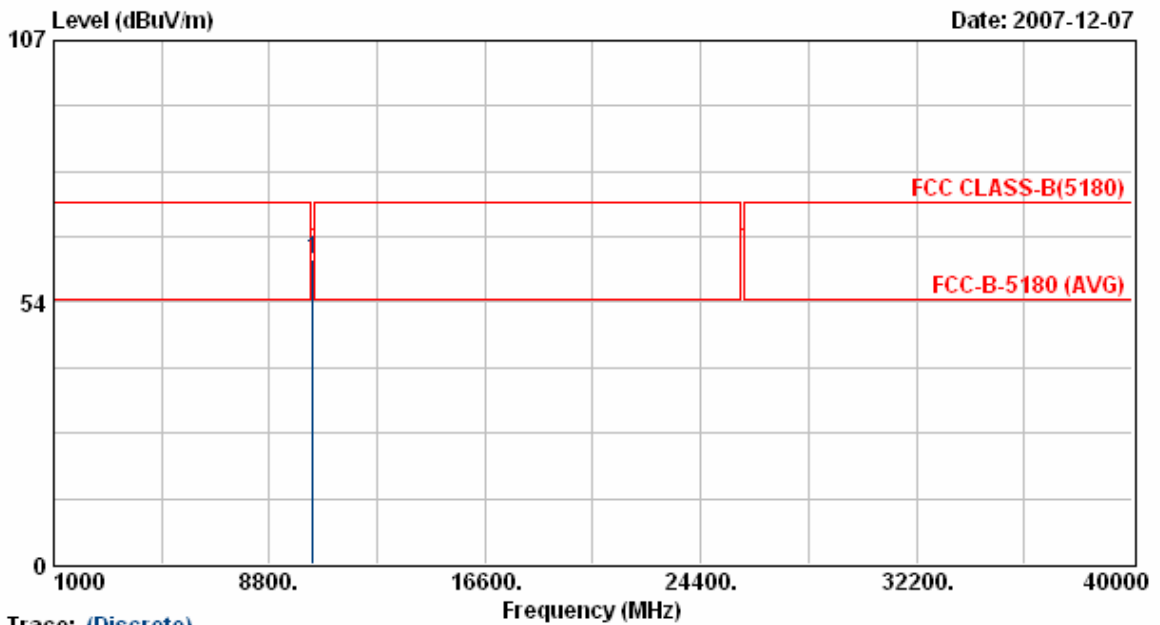
Trace: (Discrete)

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	400.80	51.12	-9.18	41.94	46.00	-4.06	QP	100	168
2	460.30	50.46	-7.60	42.85	46.00	-3.15	QP	100	187
3	600.30	44.42	-2.54	41.88	46.00	-4.12	QP	100	154
4	666.80	44.12	-3.38	40.74	46.00	-5.26	QP	100	122
5	799.80	43.66	-3.63	40.03	46.00	-5.97	QP	100	142
6	875.40	42.78	0.11	42.88	46.00	-3.12	QP	100	147
7	899.90	40.33	2.40	42.72	46.00	-3.28	QP	100	163

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



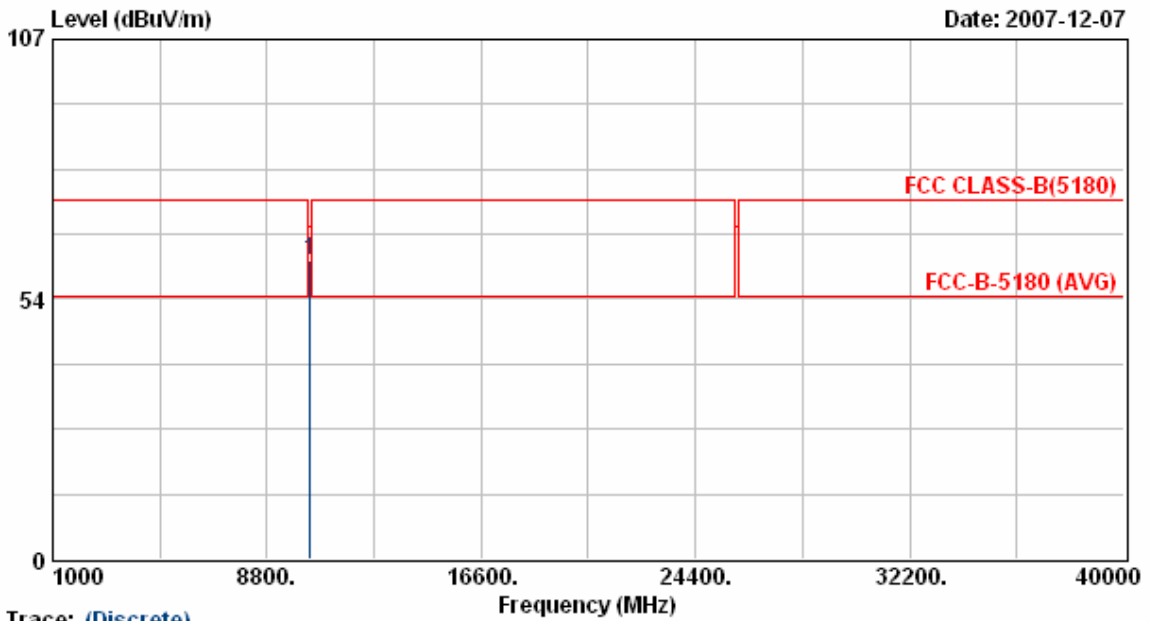
Trace: (Discrete)

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	10380.50	43.45	18.90	62.34	68.30	-5.96	Peak	100	214

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 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



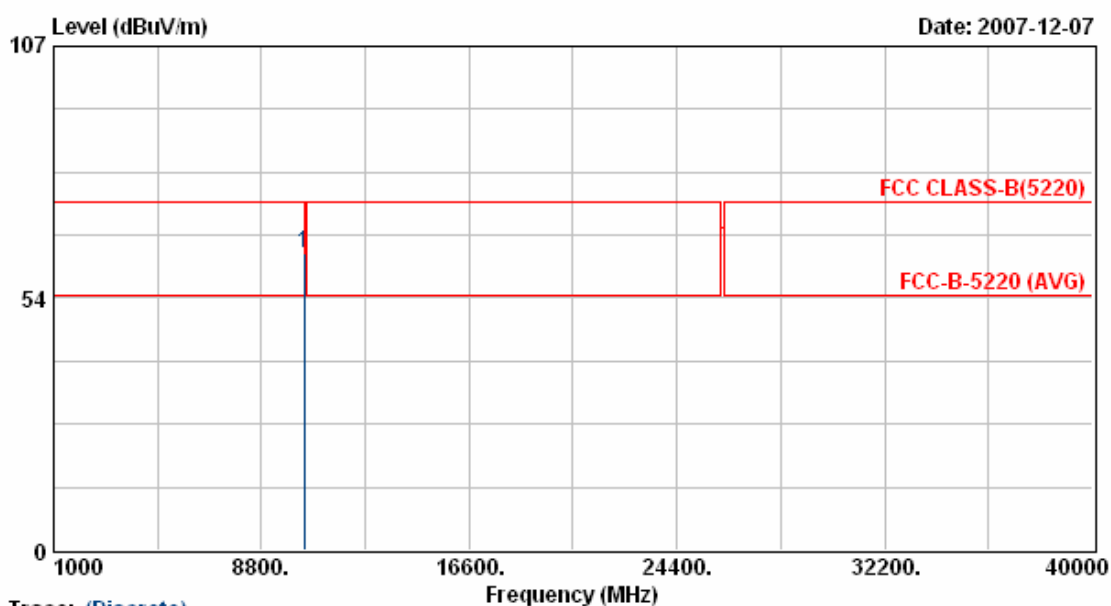
Trace: (Discrete)

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	10380.25	42.50	18.90	61.39	68.30	-6.91	Peak	100	201

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 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 42	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps

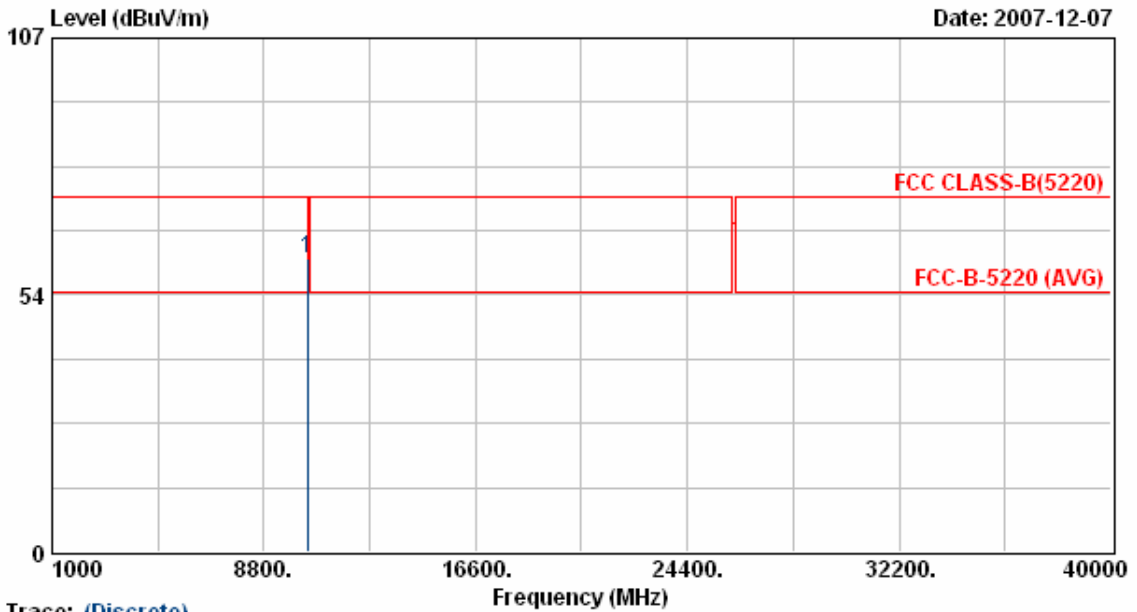


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10420.50	43.99	18.95	62.94	68.30	-5.36	Peak	100	214

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 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 42	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



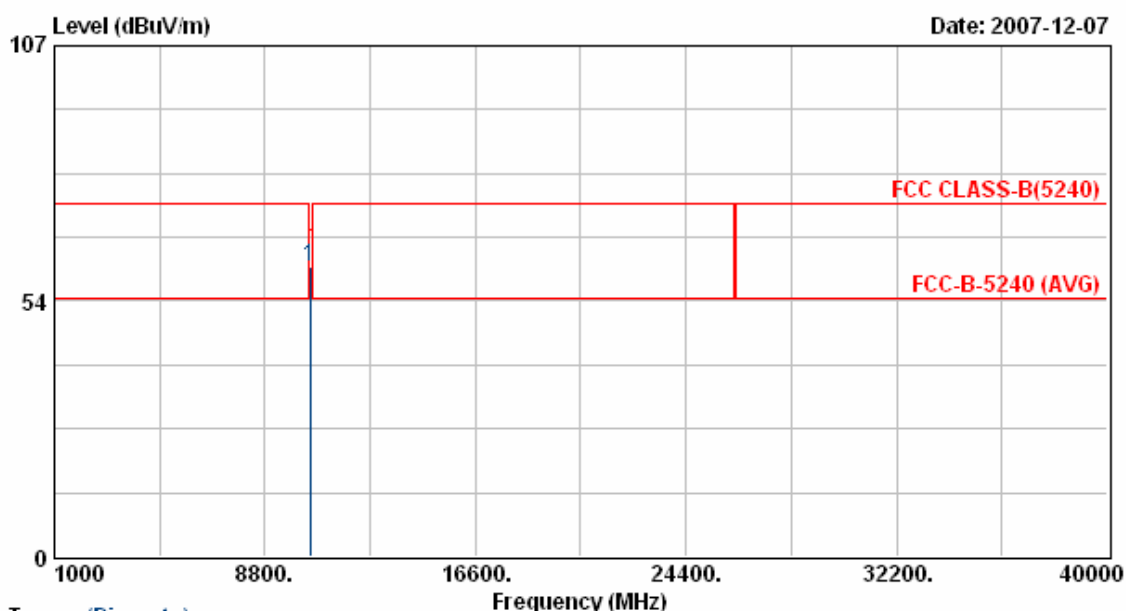
Trace: (Discrete)

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	10420.38	42.31	18.95	61.26	68.30	-7.04	Peak	100	201

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 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 46	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



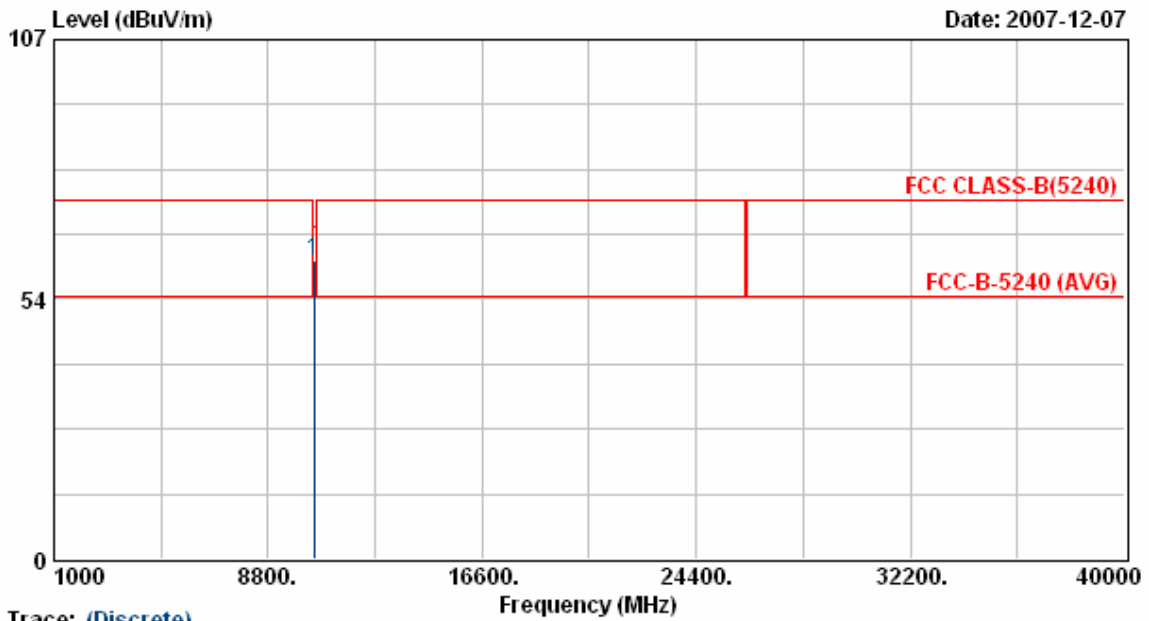
Trace: (Discrete)

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	10460.50	41.76	19.01	60.77	68.30	-7.53	Peak	100	214

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 10	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 46	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-L1 + ANT-R3	Rate	: 270Mbps



Trace: (Discrete)

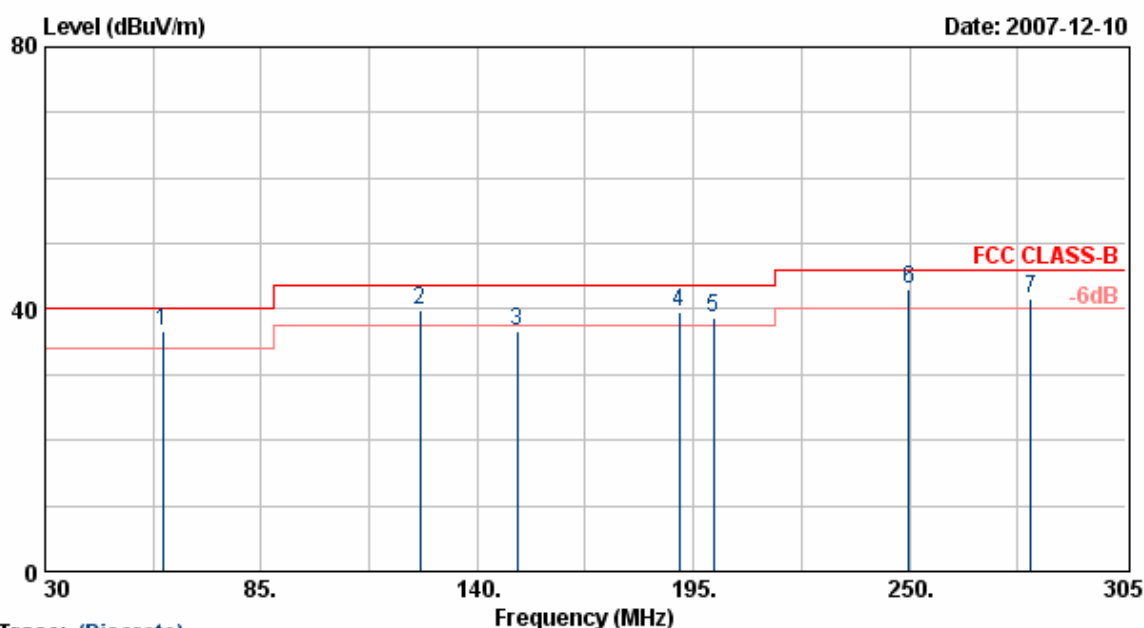
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	10460.63	42.33	19.01	61.34	68.30	-6.96	Peak	100	201

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 11	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 270Mbps



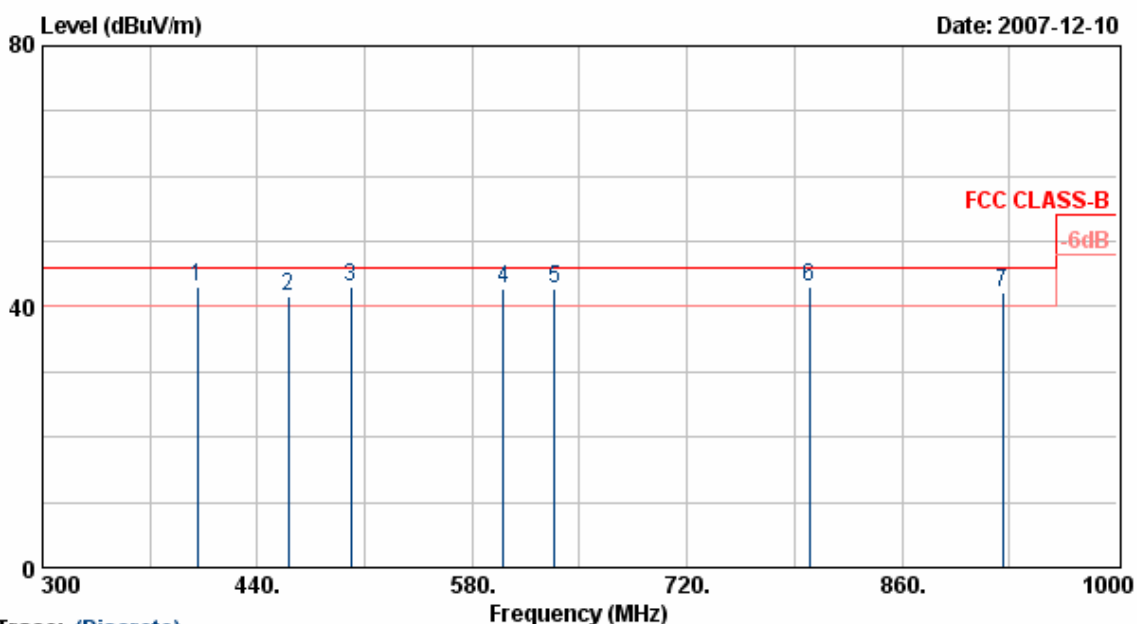
Trace: (Discrete)

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	59.98	54.39	-17.69	36.69	40.00	-3.31	QP	100	178
2	125.43	51.42	-11.45	39.97	43.50	-3.52	QP	100	155
3	150.18	49.58	-13.00	36.58	43.50	-6.92	Peak	100	173
4	191.43	52.21	-12.55	39.66	43.50	-3.84	QP	100	133
5	200.23	51.47	-12.76	38.71	43.50	-4.79	QP	100	187
6	249.73	54.03	-11.07	42.96	46.00	-3.04	QP	100	196
7	280.80	52.50	-10.89	41.61	46.00	-4.39	QP	100	166

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 11	: Transmit / Receive	Temperature	: 22 °C
Operation Channel	: 38	Humidity	: 70 %
Modulation Type	: 802.11Draft n, 40MHz	Atmospheric Pressure	: 1010 hPa
Memo	: DSA-20P-10 US 120144 ANT-R1 + ANT-L3	Rate	: 270Mbps



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	400.80	52.86	-9.87	42.99	46.00	-3.01	QP	100	177
2	460.30	48.44	-6.92	41.52	46.00	-4.48	QP	100	167
3	500.90	47.64	-4.71	42.93	46.00	-3.07	QP	100	152
4	600.30	51.05	-8.34	42.71	46.00	-3.29	QP	100	137
5	633.90	46.31	-3.49	42.82	46.00	-3.18	QP	100	155
6	799.80	44.88	-1.93	42.95	46.00	-3.05	QP	100	178
7	925.80	38.95	3.25	42.20	46.00	-3.80	QP	100	180

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 802.11an HT40 mode at channel 38,44,48 are almost the same below 1GHz, so that the channel 38 was chosen as representative in final test.
5. The data is worse case.