# Test Report

Product Name ： EZ N wireless router
Model No. ： RT-N10
FCC ID. ： MSQ-RTN10

Applicant ： ASUSTeK COMPUTER INC.
Address ： No. 15, Li-Te Rd., Peitou, Taipei 112,Taiwan

Date of Receipt ： 2009/06/18
Issued Date ： 2009/07/02
Report No. ： 096301R-RFUSP05V01
Report Version ： V1.0

# Test Report Certification

Issued Date : 2009/07/02
Report No. : 096301R-RFUSP05V01

QuieTek

| | | |
|---|---|---|
| Product Name | : | EZ N wireless router |
| Applicant | : | ASUSTeK COMPUTER INC. |
| Address | : | No. 15, Li-Te Rd., Peitou, Taipei 112,Taiwan |
| Manufacturer | : | Compal Networking (KunShan) Co., Ltd. |
| Model No. | : | RT-N10 |
| FCC ID. | : | MSQ-RTN10 |
| Rated Voltage | : | AC 120 V / 60 Hz |
| EUT Voltage | : | AC 120 V / 60 Hz |
| Trade Name | : | ASUS |
| Applicable Standard | : | FCC CFR Title 47 Part 15 Subpart C Section 15.247:2008 |
| Test Result | : | Complied |

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : Carol Tsai
( Carol Tsai / Engineering Adm. Specialist )

Reviewed By : Sheena Huang
( Sheena Huang / Engineer )

Approved By : Roy Wang
( Roy Wang / Manager )

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# 1. General Information

## 1.1. EUT Description

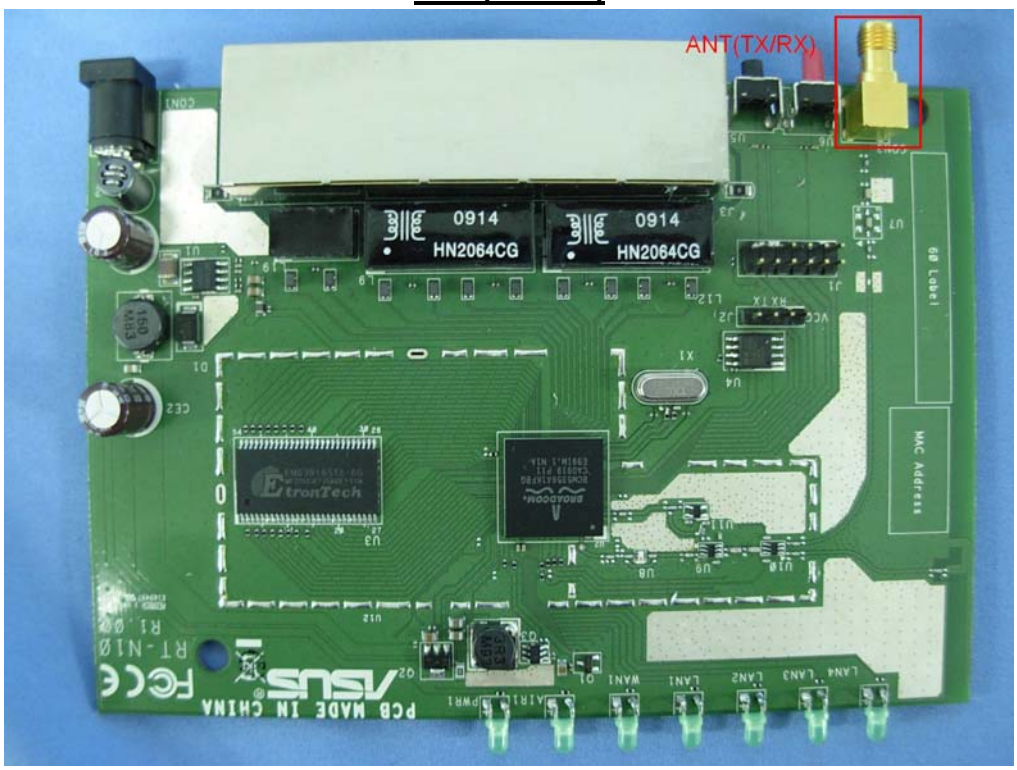
| | |
|---|---|
| Product Name | EZ N wireless router |
| Product Type | WLAN(1TX, 1RX) |
| Trade Name | ASUS |
| Model No. | RT-N10 |
| Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz) | 2412~2462MHz |
| Frequency Range- IEEE 802.11n (40MHz) | 2422~2452MHz |
| Channel Number (IEEE 802.11b/g & IEEE 802.11n (20MHz)) | 11 |
| Channel Number- IEEE 802.11n (40MHz) | 7 |
| Type of Modulation (IEEE 802.11b) | Direct Sequence Spread Spectrum (DSSS) |
| Type of Modulation (IEEE 802.11g) | Orthogonal Frequency Division Multiplexing (OFDM) |
| Data Speed (IEEE 802.11b) | 1Mbps, 2Mbps, 5.5Mbps, 11Mbps |
| Data Speed (IEEE 802.11g) | 6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps |
| Data Speed (IEEE 802.11n) | Support a subset of the combination of GI, MCS 0~MCS 7 and bandwidth defined in 802.11n |
| Antenna Gain | 2 dBi |
| Channel Control | Manual |
| Antenna Type | Monopole |

| Component | |
|---|---|
| LAN Cable | Non-Shielded, 1m |
| Power Adapter | LEADER ELECTRONICS INC. MT12-Y090100-A1<br>I/P: 120V 60Hz 0.3A<br>O/P: 9V, 1.0A<br>Cable Out: Non-Shielded, 1.48m |

**ANT-TX / Rx & Bandwidth**

| ANT-TX / Rx | TX | | Rx | |
|---|---|---|---|---|
| Mode/ Channel Bandwidth | 20MHz | 40MHz | 20MHz | 40MHz |
| IEEE802.11b | ✓ | | ✓ | |
| IEEE802.11g | ✓ | | | |
| Draft 11n | ✓ | ✓ | ✓ | ✓ |

**ANT (TX / RX)**



**Draft 11n Spec.**

| MCS Index | Nss | Modulation | R | NBPSC | NCBPS | | NDBPS | | Data rate (Mbps) 800nsGI | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 20MHz | 40MHz | 20MHz | 40MHz | 20MHz | 40MHz |
| 0 | 1 | BPSK | 1/2 | 1 | 52 | 108 | 26 | 54 | 6.5 | 13.5 |
| 1 | 1 | QPSK | 1/2 | 2 | 104 | 216 | 52 | 108 | 13.0 | 27.0 |
| 2 | 1 | QPSK | 3/4 | 2 | 104 | 216 | 78 | 162 | 19.5 | 40.5 |
| 3 | 1 | 16-QAM | 1/2 | 4 | 208 | 432 | 104 | 216 | 26.0 | 54.0 |
| 4 | 1 | 16-QAM | 3/4 | 4 | 208 | 432 | 156 | 324 | 39.0 | 81.0 |
| 5 | 1 | 64-QAM | 2/3 | 6 | 312 | 648 | 208 | 432 | 52.0 | 108.0 |
| 6 | 1 | 64-QAM | 3/4 | 6 | 312 | 648 | 234 | 486 | 58.5 | 121.5 |
| 7 | 1 | 64-QAM | 5/6 | 6 | 312 | 648 | 260 | 540 | 65.0 | 135.0 |

| Symbol | Explanation |
|---|---|
| NSS | Number of spatial streams |
| R | Code rate |
| NBPSC | Number of coded bits per single carrier |
| NCBPS | Number of coded bits per symbol |
| NDBPS | Number of data bits per symbol |
| GI | guard interval |

IEEE 802.11b/g & IEEE 802.11n (20MHz)

| Working Frequency of Each Channel | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 001 | 2412 MHz | 002 | 2417 MHz | 003 | 2422 MHz | 004 | 2427 MHz |
| 005 | 2432 MHz | 006 | 2437 MHz | 007 | 2442 MHz | 008 | 2447 MHz |
| 009 | 2452 MHz | 010 | 2457 MHz | 011 | 2462 MHz | | |

IEEE 802.11n (40MHz)

| Working Frequency of Each Channel | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 003 | 2422 MHz | 004 | 2427 MHz | 005 | 2432 MHz | 006 | 2437 MHz |
| 007 | 2442 MHz | 008 | 2447 MHz | 009 | 2452 MHz | | |

Note:

1. This device is an EZ N wireless router, which including 2.4GHz b/g and 11n (1x1) transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 096301R-RFUSP01V02under Declaration of Conformity.

## 1.3. Test Mode

QuieTek has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

| TX | Mode 1: Transmit |
|---|---|

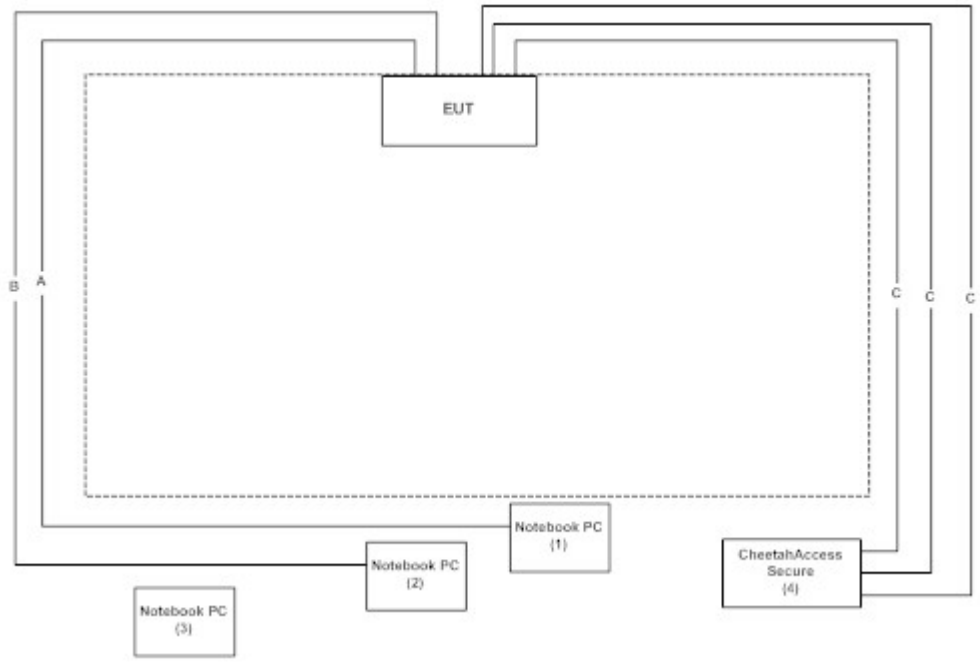
| Test Items | Mode1 | Channel | Antenna | Result |
|---|---|---|---|---|
| Conducted Emission | b/g/11n(20M)/11n (40MHz) | 6 | A | Complies |
| Peak Power Output | b/g | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (20MHz) | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (40MHz) | 3 /6/ 9 | A | Complies |
| Radiated Emission | b/g | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (20MHz) | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (40MHz) | 3 /6/ 9 | A | Complies |
| RF antenna conducted test | b/g | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (20MHz) | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (40MHz) | 3 /6/ 9 | A | Complies |
| Radiated Emission Band Edge | b/g | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (20MHz) | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (40MHz) | 3 /6/ 9 | A | Complies |
| Occupied Bandwidth | b/g | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (20MHz) | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (40MHz) | 3 /6/ 9 | A | Complies |
| Power Density | b/g | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (20MHz) | 1 /6/ 11 | A | Complies |
| | 11n-MCS7 (40MHz) | 3 /6/ 9 | A | Complies |

## 1.4. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product | | Manufacturer | Model No. | Serial No. | FCC ID | Power Cord |
|---|---|---|---|---|---|---|
| 1 | Notebook PC | DELL | LATITUDE D400 | GK43D1S | DoC | Non-Shielded, 1.7m, One ferrite core bonded |
| 2 | Notebook PC | DELL | LATITUDE D400 | HK43D1S | DoC | Non-Shielded, 1.7m, One ferrite core bonded |
| 3 | Notebook PC | DELL | Precision M65 | 28G9NIS | DoC | Non-Shielded, 1.8m |
| 4 | CheetahAccess Secure | Accton | AC-IG1104 | N/A | DoC | Non-Shielded, 1.8m |

## 1.5. Configuration of tested System

| Connection Diagram |
|---|
|  |



| Signal Cable Type | | Signal cable Description |
|---|---|---|
| A | LAN Cable | Non-Shielded, 10m |
| B | LAN Cable | Non-Shielded, 10m |
| C | LAN Cable | Non-Shielded, 10m, 3 Pcs |

## 1.6. EUT Exercise Software

| | |
|---|---|
| 1 | Setup the EUT and simulators as shown on 1.5. |
| 2 | Turn on the power of all equipment. |
| 3 | Boot the Notebook PC from Hard Disk. |
| 4 | Data will communicate by connecting to LAN port of Notebook PC. |
| 5 | The Notebook PC ‘s monitor will show the transmitting and receiving characteristics when the communication is success. |
| 6 | Repeat the above procedure (4) to (5). |

## 1.7. Test Facility

Ambient conditions in the laboratory:

| Items | Test Item | Required (IEC 68-1) | Actual |
|---|---|---|---|
| Temperature (°C) | FCC PART 15 C 15.207 Conducted Emission | 15 - 35 | 20 |
| Humidity (%RH) | | 25 - 75 | 50 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Peak Power Output (DSSS) | 15 - 35 | 25 |
| Humidity (%RH) | | 25 - 75 | 48 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Radiated Emission (DSSS) | 15 - 35 | 25 |
| Humidity (%RH) | | 25 - 75 | 65 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Band Edge (DSSS) | 15 - 35 | 26 |
| Humidity (%RH) | | 25 - 75 | 65 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Occupied Bandwidth (DSSS) | 15 - 35 | 24 |
| Humidity (%RH) | | 25 - 75 | 49 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Power Density (DSSS) | 15 - 35 | 25 |
| Humidity (%RH) | | 25 - 75 | 47 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |

Site Description:

January 24, 2005 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520

Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2010

Testing Laboratory 1313

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2009

NVLAP Lab Code : 200347-0

Site Name: Quietek Corporation
Site Address: No.75-1, Wang-Yeh Valley, Yung-Hsing,
Chiung-Lin, Hsin-Chu County,
Taiwan, R.O.C.
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

# 2. Conducted Emission

## 2.1. Test Equipment

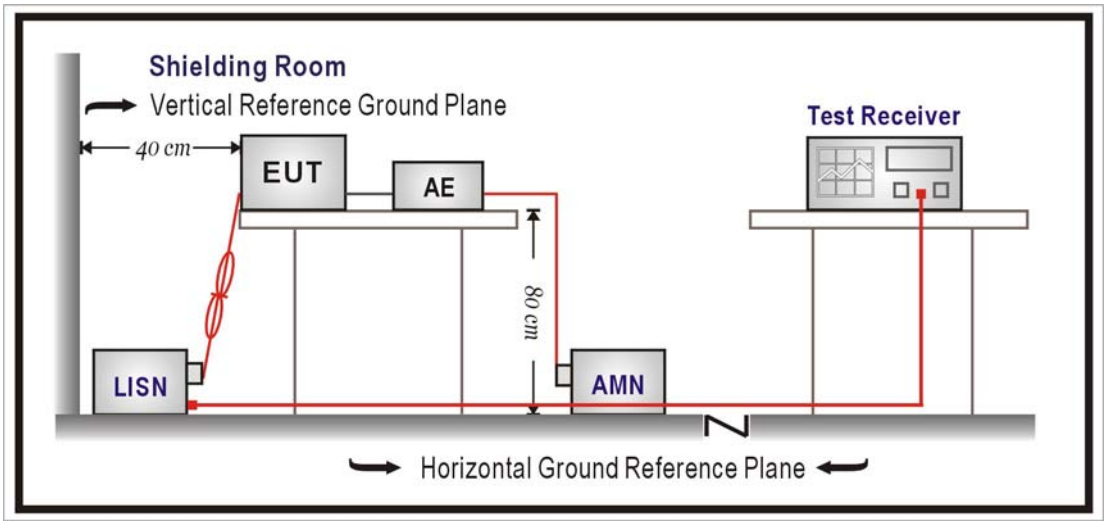
The following test equipments are used during the test:

Conducted Emission / SR2

| Instrument | Manufacturer | Type No. | Serial No | Cal. Date |
|---|---|---|---|---|
| 4-Wire ISN | R & S | ENY 41 | 837032/001 | 2009/04/15 |
| Artificial Mains Network | R & S | ENV4200 | 848411/010 | 2009/03/13 |
| Double 2-Wire ISN | R & S | ENY 22 | 835354/008 | 2009/04/15 |
| LISN | R & S | ESH3-Z5 | 825562/002 | 2009/03/31 |
| Pulse Limiter | R & S | ZSH3Z2 | 357.8810.54 | 2008/07/19 |
| Test Receiver | R & S | ESCS 30 | 100122 | 2009/02/21 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

## 2.2. Test Setup



## 2.3. Limits

| FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV) | | |
|---|---|---|
| Frequency MHz | QP | AV |
| 0.15 - 0.50 | 66-56 | 56-46 |
| 0.50-5.0 | 56 | 46 |
| 5.0 - 30 | 60 | 50 |

Remarks： In the above table, the tighter limit applies at the band edges.

## 2.4. Test Procedure

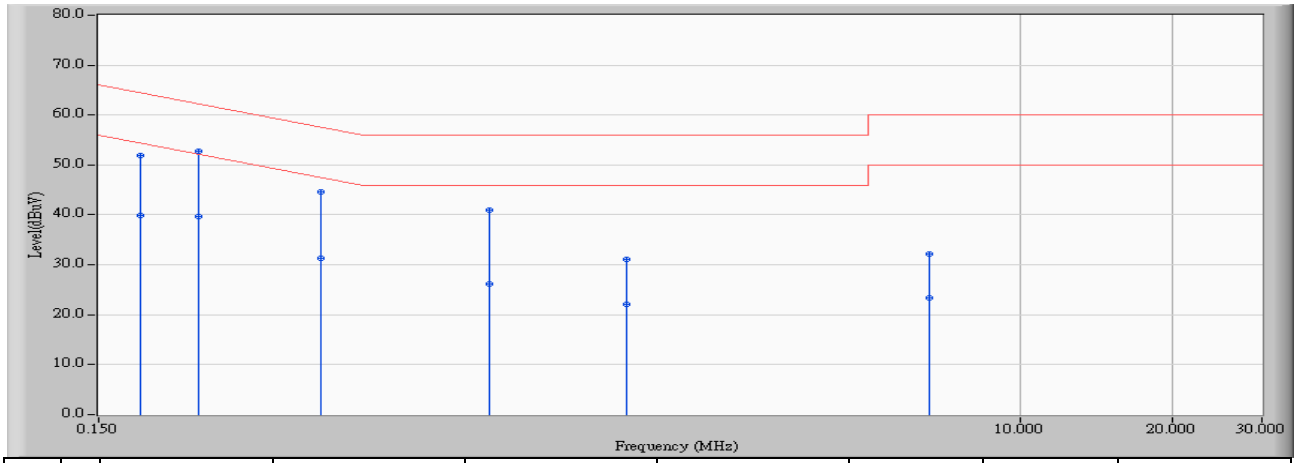
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9KHz.

## 2.5. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

## 2.6. Test Result

| | |
|---|---|
| **Site : SR2** | **Time : 2009/06/26 - 10:31** |
| **Limit : CISPR_B_00M_QP** | **Margin : 10** |
| **Probe : SR2-LISN(16A) - Line1** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : Mode 1: Transmit-N(40M)** |

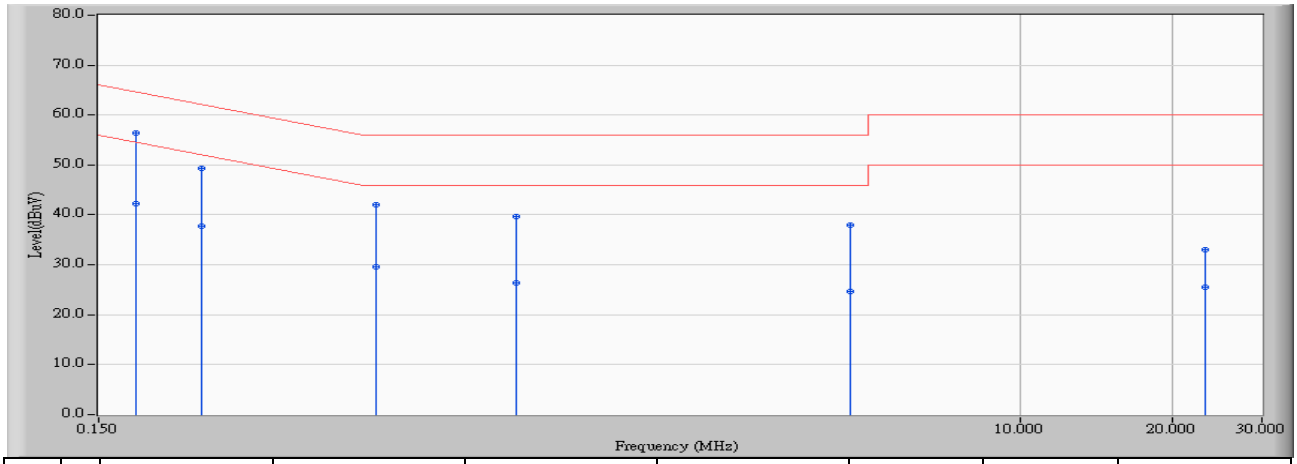



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV) | Margin (dB) | Limit (dBuV) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.181 | 9.655 | 42.220 | 51.875 | -12.553 | 64.428 | QUASIPEAK |
| 2 | | 0.181 | 9.655 | 30.330 | 39.985 | -14.443 | 54.428 | AVERAGE |
| 3 | * | 0.236 | 9.678 | 43.190 | 52.867 | -9.371 | 62.238 | QUASIPEAK |
| 4 | | 0.236 | 9.678 | 29.910 | 39.587 | -12.651 | 52.238 | AVERAGE |
| 5 | | 0.412 | 9.772 | 34.810 | 44.582 | -13.032 | 57.614 | QUASIPEAK |
| 6 | | 0.412 | 9.772 | 21.560 | 31.332 | -16.282 | 47.614 | AVERAGE |
| 7 | | 0.888 | 9.820 | 31.110 | 40.930 | -15.070 | 56.000 | QUASIPEAK |
| 8 | | 0.888 | 9.820 | 16.450 | 26.270 | -19.730 | 46.000 | AVERAGE |
| 9 | | 1.662 | 9.813 | 21.340 | 31.153 | -24.847 | 56.000 | QUASIPEAK |
| 10 | | 1.662 | 9.813 | 12.280 | 22.093 | -23.907 | 46.000 | AVERAGE |
| 11 | | 6.576 | 9.921 | 22.160 | 32.081 | -27.919 | 60.000 | QUASIPEAK |
| 12 | | 6.576 | 9.921 | 13.380 | 23.301 | -26.699 | 50.000 | AVERAGE |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : SR2** | **Time : 2009/06/26 - 10:36** |
| **Limit : CISPR_B_00M_QP** | **Margin : 10** |
| **Probe : SR2-LISN(16A) - Line2** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note :Mode 1: Transmit-N(40M)** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV) | Margin (dB) | Limit (dBuV) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 0.177 | 9.703 | 46.630 | 56.333 | -8.276 | 64.609 | QUASIPEAK |
| 2 | | 0.177 | 9.703 | 32.590 | 42.293 | -12.316 | 54.609 | AVERAGE |
| 3 | | 0.240 | 9.696 | 39.580 | 49.276 | -12.826 | 62.102 | QUASIPEAK |
| 4 | | 0.240 | 9.696 | 28.040 | 37.736 | -14.366 | 52.102 | AVERAGE |
| 5 | | 0.529 | 9.810 | 32.140 | 41.950 | -14.050 | 56.000 | QUASIPEAK |
| 6 | | 0.529 | 9.810 | 19.870 | 29.680 | -16.320 | 46.000 | AVERAGE |
| 7 | | 1.005 | 9.810 | 29.930 | 39.740 | -16.260 | 56.000 | QUASIPEAK |
| 8 | | 1.005 | 9.810 | 16.600 | 26.410 | -19.590 | 46.000 | AVERAGE |
| 9 | | 4.615 | 9.839 | 28.100 | 37.939 | -18.061 | 56.000 | QUASIPEAK |
| 10 | | 4.615 | 9.839 | 14.880 | 24.719 | -21.281 | 46.000 | AVERAGE |
| 11 | | 23.129 | 10.516 | 22.610 | 33.126 | -26.874 | 60.000 | QUASIPEAK |
| 12 | | 23.129 | 10.516 | 14.950 | 25.466 | -24.534 | 50.000 | AVERAGE |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

## 3. Peak Power Output

### 3.1. Test Equipment

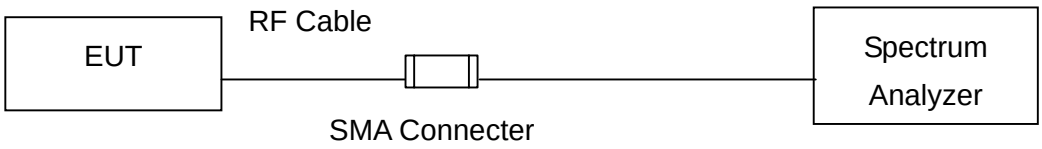
The following test equipments are used during the test:

| Item | Equipment | Manufacturer | Model No. / Serial No. | Last Cal. |
|---|---|---|---|---|
| 1 | Spectrum Analyzer | R & S | FSP / 100561 | Jan., 2009 |
| 2 | No.1 OATS | | | Sep., 2008 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 3.2. Test Setup

IEEE 802.11 b / g / n ( 20M / 40M ) MODE




### 3.3. Test procedures

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

### 3.4. Limits

The maximum peak power shall be less 1 Watt.

### 3.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

### 3.6. Test Result

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Peak Power Output | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE 802.11b | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | 18.45 | 1Watt= 30 dBm | Pass |
| 6 | 2437 | 18.64 | 1Watt= 30 dBm | Pass |
| 11 | 2462 | 18.75 | 1Watt= 30 dBm | Pass |

| Peak Power Output Value (dBm) | | | | | | |
|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate | | | | Required Limit |
| | | 1 Mbps | 2Mbps | 5.5Mbps | 11Mbps | |
| 1 | 2412.00 | 18.45 | 18.40 | 18.41 | 18.42 | 1Watt= 30 dBm |
| 6 | 2437.00 | 18.64 | 18.53 | 18.55 | 18.62 | 1Watt= 30 dBm |
| 11 | 2462.00 | 18.75 | 18.73 | 18.71 | 18.74 | 1Watt= 30 dBm |

Note: Measure Level =Reading value + cable loss

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Peak Power Output | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE 802.11g | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | 22.51 | 1Watt= 30 dBm | Pass |
| 6 | 2437 | 22.76 | 1Watt= 30 dBm | Pass |
| 11 | 2462 | 22.81 | 1Watt= 30 dBm | Pass |

| Peak Power Output Value(dBm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 6 Mbps | 9 Mbps | 12 Mbps | 18 Mbps | 24 Mbps | 36 Mbps | 48 Mbps | 54 Mbps | |
| 1 | 2412.00 | 19.48 | 19.39 | 18.36 | 19.25 | 22.44 | 22.41 | 22.39 | 22.51 | 1Watt= 30 dBm |
| 6 | 2437.00 | 19.73 | 19.64 | 18.55 | 19.45 | 22.69 | 22.66 | 22.64 | 22.76 | 1Watt= 30 dBm |
| 11 | 2462.00 | 20.88 | 20.79 | 19.10 | 20.60 | 22.74 | 22.71 | 22.69 | 22.81 | 1Watt= 30 dBm |

Note: Measure Level =Reading value + cable loss

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Peak Power Output | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

IEEE 802.11n 20MHz_Tx

The worst emission of data rate is 65Mbps.

| Peak Power Output (dBm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MCS Index | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Required Limit |
| Channel No | Frequency (MHz) | Data Rate | | | | | | | | |
| | | 6.5 | 13 | 19.5 | 26 | 39 | 52 | 58.5 | 65 | |
| 1 | 2412 | 19.89 | 20.32 | 20.06 | 22.61 | 22.72 | 22.65 | 22.62 | 22.72 | 30dBm |
| 6 | 2437 | 20.07 | 20.43 | 20.18 | 22.73 | 22.82 | 22.77 | 22.74 | 22.84 | 30dBm |
| 11 | 2462 | 20.16 | 20.52 | 20.27 | 22.78 | 22.85 | 22.86 | 22.83 | 22.93 | 30dBm |

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Peak Power Output | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE 802.11n MCS7 20MHz_Tx ; ANT A | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | 22.72 | 1Watt= 30 dBm | Pass |
| 6 | 2437 | 22.84 | 1Watt= 30 dBm | Pass |
| 11 | 2462 | 22.93 | 1Watt= 30 dBm | Pass |

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Peak Power Output | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

IEEE802.11n 40MHz_Tx

The worst emission of data rate is 135Mbps

| Peak Power Output (dBm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MCS Index | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Required Limit |
| Channel No | Frequency (MHz) | Data Rate | | | | | | | | |
| | | 13.5 | 27 | 40.5 | 54 | 81 | 108 | 121 | 135 | |
| 3 | 2422 | 19.54 | 21.89 | 19.93 | 22.06 | 21.97 | 21.84 | 22.04 | 22.14 | 30dBm |
| 6 | 2437 | 19.71 | 22.06 | 20.10 | 22.23 | 22.08 | 22.11 | 22.21 | 22.31 | 30dBm |
| 9 | 2452 | 20.09 | 22.43 | 20.48 | 22.61 | 22.46 | 22.49 | 22.59 | 22.69 | 30dBm |

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Peak Power Output | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE802.11n ;MCS7 40MHz_Tx ; ANT A | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | 22.14 | 1Watt= 30 dBm | Pass |
| 6 | 2437 | 22.31 | 1Watt= 30 dBm | Pass |
| 9 | 2452 | 22.69 | 1Watt= 30 dBm | Pass |

# 4. Radiated Emission

## 4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / Site1

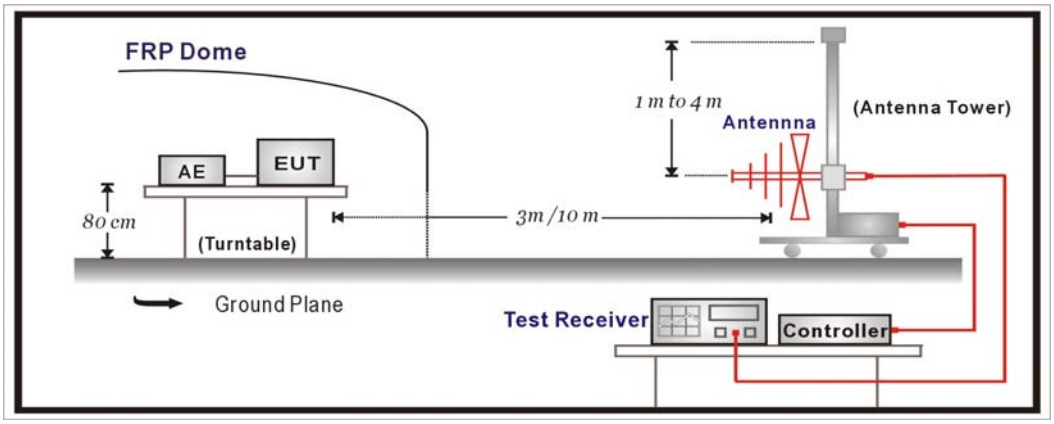
| Instrument | Manufacturer | Type No. | Serial No | Cal. Date |
|---|---|---|---|---|
| Bilog Antenna | Schaffner Chase | CBL6112B | 2895 | 2008/09/03 |
| Horn Antenna | Electro Metrics | EM-6961 | 103325 | 2009/03/15 |
| Pre-Amplifier | HP | 8449B | 3008A01123 | 2008/11/15 |
| Pre-Amplifier | Quietek | AP-025C | N/A | N/A |
| Spectrum Analyzer | R & S | FSP40 | 100005 | 2008/08/25 |
| Spectrum Analyzer | Advantest | R3162 | 120300649 | 2008/11/24 |
| Test Receiver | R & S | ESCS 30 | 825442/017 | 2009/02/13 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

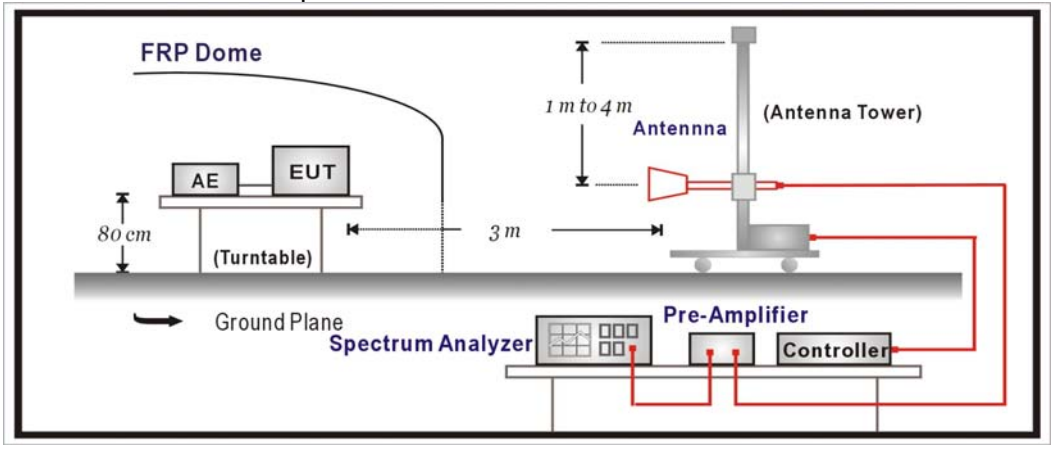
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

## 4.2. Test Setup

Under 1GHz Test Setup:




Above 1GHz Test Setup:



## 4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

| FCC Part 15 Subpart C Paragraph 15.209 Limits | | |
|---|---|---|
| Frequency MHz | dBuV/m | dBuV/m |
| 30-88 | 100 | 40 |
| 88-216 | 150 | 43.5 |
| 216-960 | 200 | 46 |
| Above 960 | 500 | 54 |

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

## 4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

## 4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2008

## 4.6. Uncertainty

The measurement uncertainty

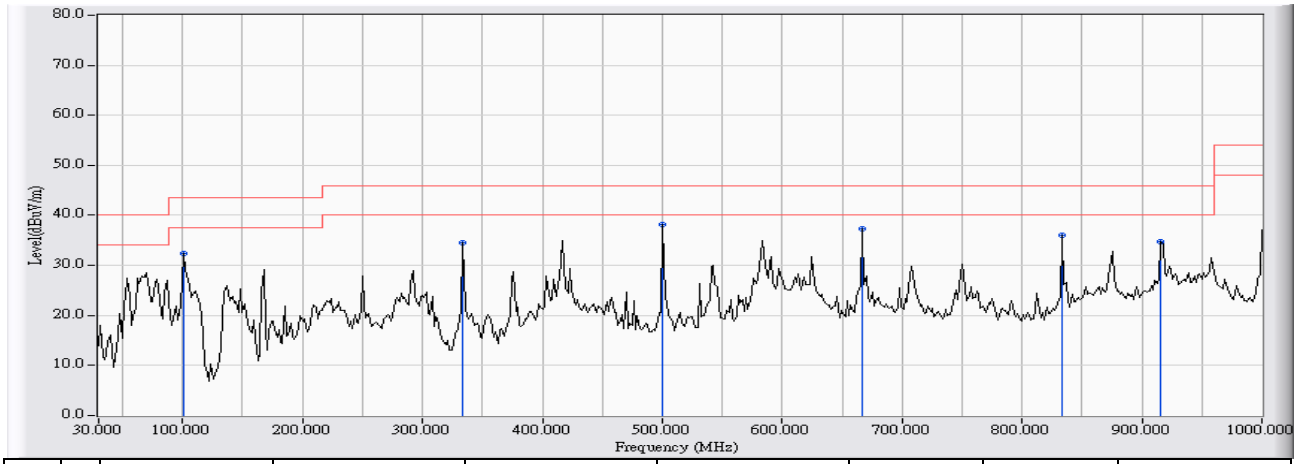
30MHz～1GHz as ±3.19dB

1GHz～26.5Ghz as ±3.9dB

## 4.7. Test Result

### 30MHz-1GHz Spurious

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:07** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : B** |

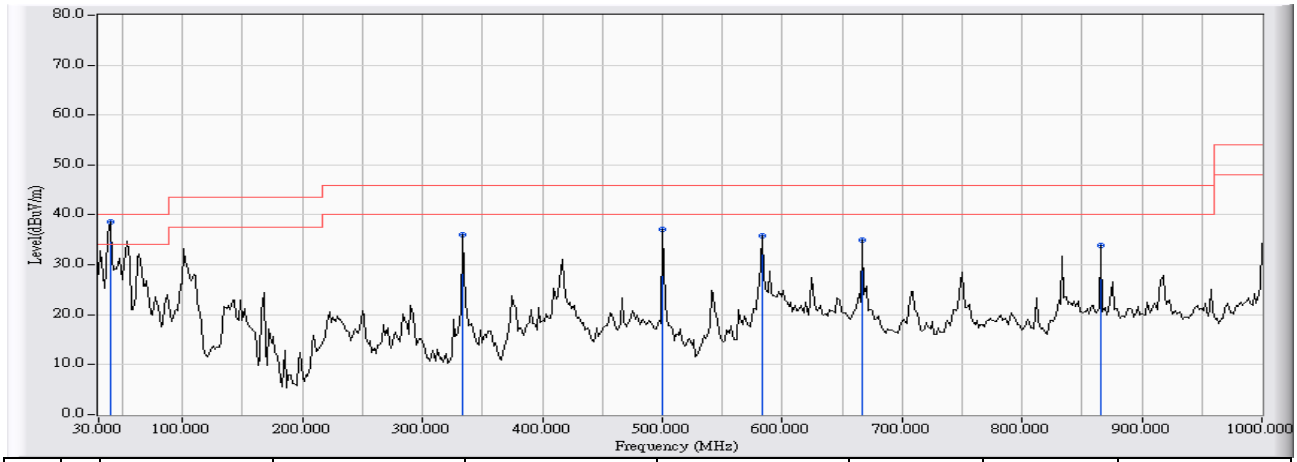



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 101.133 | -14.649 | 46.954 | 32.305 | -11.195 | 43.500 | QUASIPEAK |
| 2 | | 333.933 | -11.933 | 46.469 | 34.535 | -11.465 | 46.000 | QUASIPEAK |
| 3 | * | 500.450 | -7.421 | 45.518 | 38.098 | -7.902 | 46.000 | QUASIPEAK |
| 4 | | 666.967 | -3.598 | 40.909 | 37.311 | -8.689 | 46.000 | QUASIPEAK |
| 5 | | 833.483 | -3.660 | 39.763 | 36.103 | -9.897 | 46.000 | QUASIPEAK |
| 6 | | 915.933 | -1.288 | 36.092 | 34.804 | -11.196 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:10** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : B** |

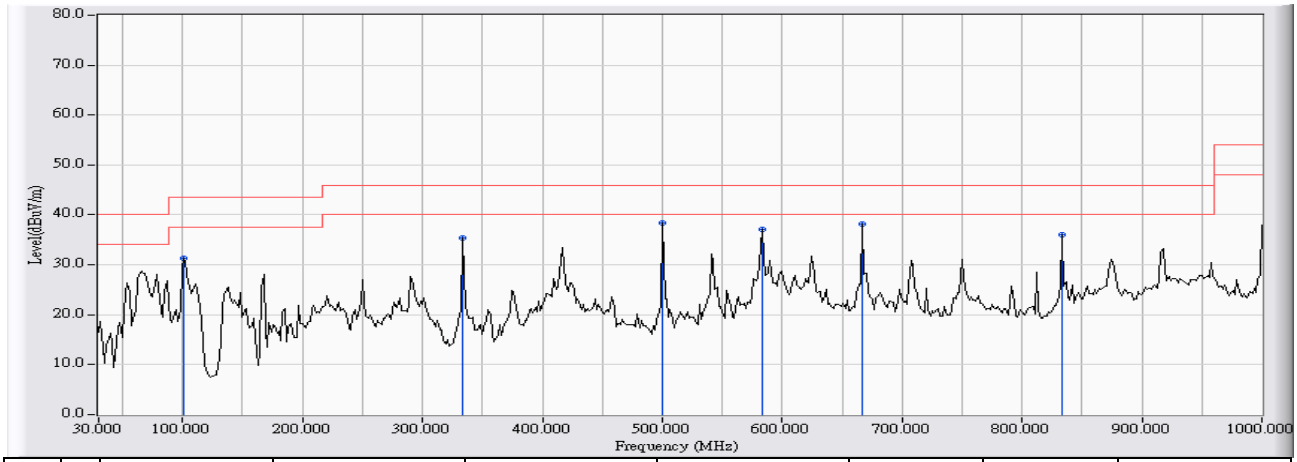



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 39.700 | -8.933 | 47.557 | 38.625 | -1.375 | 40.000 | QUASIPEAK |
| 2 | | 333.933 | -11.656 | 47.753 | 36.097 | -9.903 | 46.000 | QUASIPEAK |
| 3 | | 500.450 | -6.739 | 43.948 | 37.210 | -8.790 | 46.000 | QUASIPEAK |
| 4 | | 582.900 | -6.219 | 42.033 | 35.814 | -10.186 | 46.000 | QUASIPEAK |
| 5 | | 666.967 | -3.607 | 38.558 | 34.951 | -11.049 | 46.000 | QUASIPEAK |
| 6 | | 865.817 | -2.763 | 36.709 | 33.946 | -12.054 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:19** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : G** |

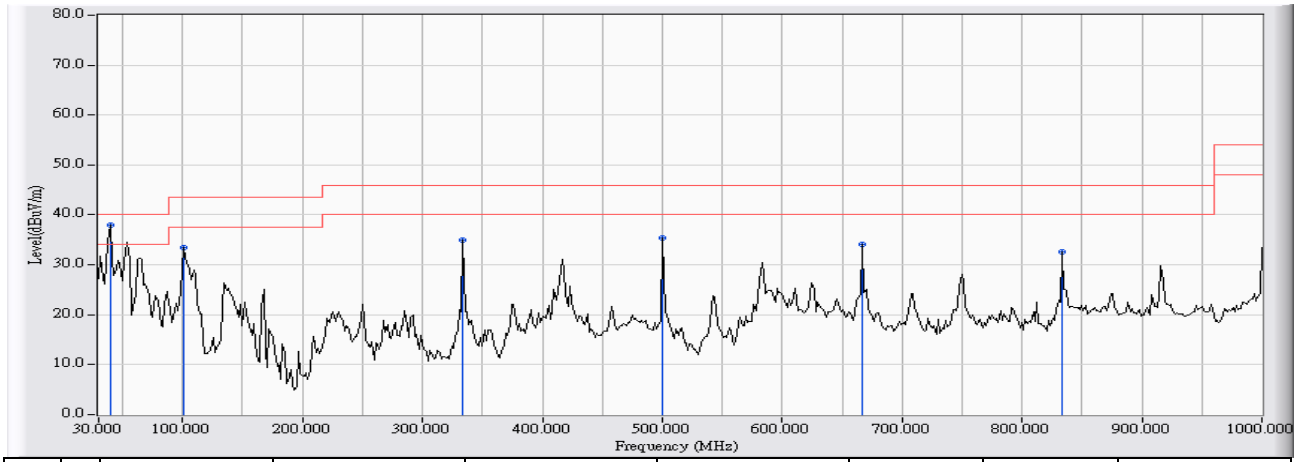



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 101.133 | -14.649 | 45.951 | 31.302 | -12.198 | 43.500 | QUASIPEAK |
| 2 | | 333.933 | -11.933 | 47.285 | 35.351 | -10.649 | 46.000 | QUASIPEAK |
| 3 | * | 500.450 | -7.421 | 45.719 | 38.299 | -7.701 | 46.000 | QUASIPEAK |
| 4 | | 582.900 | -5.586 | 42.653 | 37.067 | -8.933 | 46.000 | QUASIPEAK |
| 5 | | 666.967 | -3.598 | 41.799 | 38.201 | -7.799 | 46.000 | QUASIPEAK |
| 6 | | 833.483 | -3.660 | 39.676 | 36.016 | -9.984 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:22** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : G** |

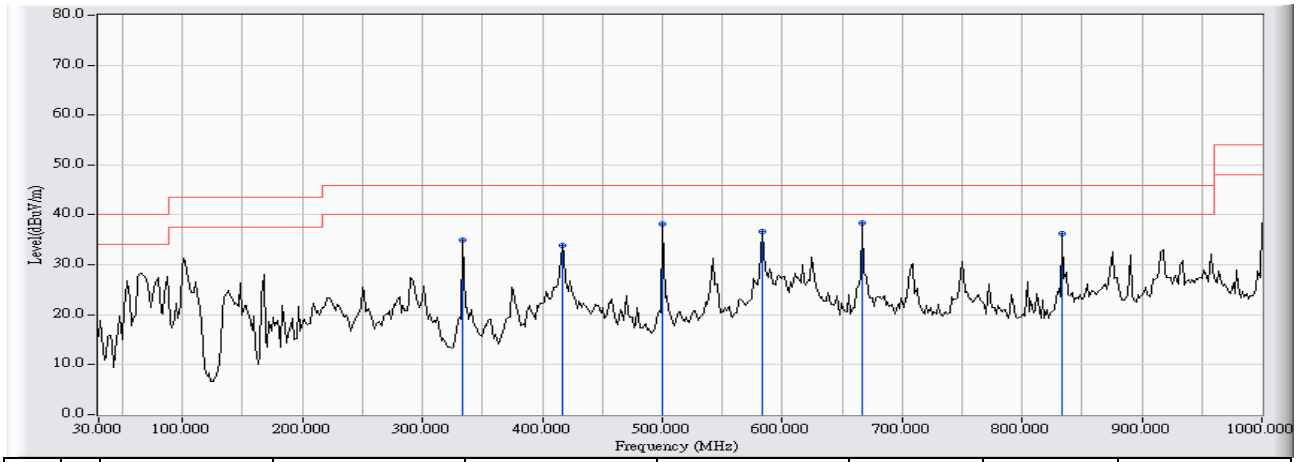



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 39.700 | -8.933 | 46.854 | 37.922 | -2.078 | 40.000 | QUASIPEAK |
| 2 | | 101.133 | -11.753 | 45.181 | 33.428 | -10.072 | 43.500 | QUASIPEAK |
| 3 | | 333.933 | -11.656 | 46.530 | 34.874 | -11.126 | 46.000 | QUASIPEAK |
| 4 | | 500.450 | -6.739 | 42.160 | 35.422 | -10.578 | 46.000 | QUASIPEAK |
| 5 | | 666.967 | -3.607 | 37.720 | 34.113 | -11.887 | 46.000 | QUASIPEAK |
| 6 | | 833.483 | -3.049 | 35.546 | 32.497 | -13.503 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:28** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : N(20M)** |

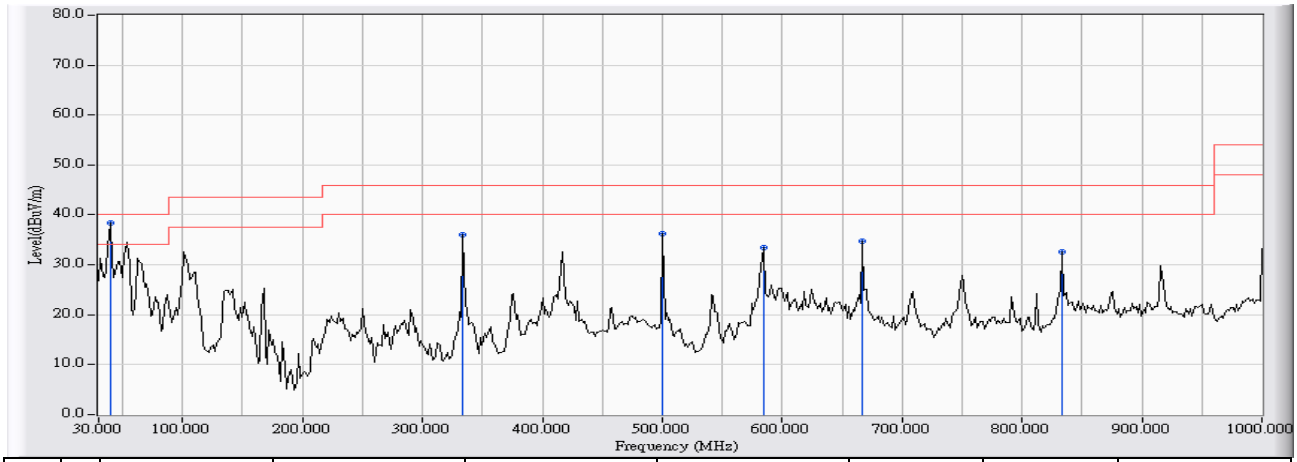



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 333.933 | -11.933 | 46.815 | 34.881 | -11.119 | 46.000 | QUASIPEAK |
| 2 | | 416.383 | -4.644 | 38.578 | 33.935 | -12.065 | 46.000 | QUASIPEAK |
| 3 | | 500.450 | -7.421 | 45.643 | 38.223 | -7.777 | 46.000 | QUASIPEAK |
| 4 | | 582.900 | -5.586 | 42.259 | 36.673 | -9.327 | 46.000 | QUASIPEAK |
| 5 | * | 666.967 | -3.598 | 42.033 | 38.435 | -7.565 | 46.000 | QUASIPEAK |
| 6 | | 833.483 | -3.660 | 39.964 | 36.304 | -9.696 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:31** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : N(20M)** |

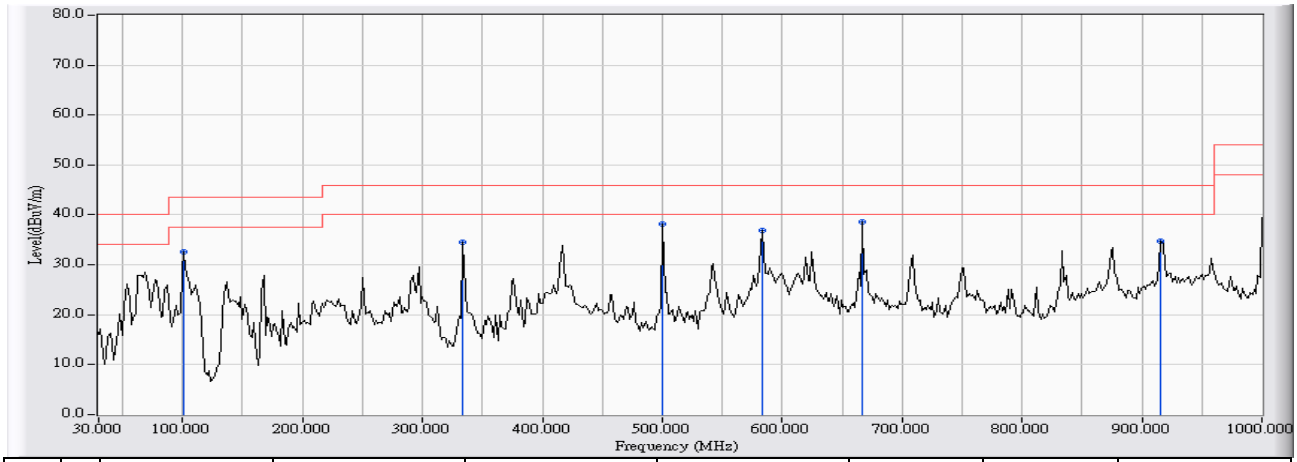



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 39.700 | -8.933 | 47.357 | 38.425 | -1.575 | 40.000 | QUASIPEAK |
| 2 | | 333.933 | -11.656 | 47.764 | 36.108 | -9.892 | 46.000 | QUASIPEAK |
| 3 | | 500.450 | -6.739 | 42.925 | 36.187 | -9.813 | 46.000 | QUASIPEAK |
| 4 | | 584.517 | -6.203 | 39.653 | 33.449 | -12.551 | 46.000 | QUASIPEAK |
| 5 | | 666.967 | -3.607 | 38.303 | 34.696 | -11.304 | 46.000 | QUASIPEAK |
| 6 | | 833.483 | -3.049 | 35.572 | 32.523 | -13.477 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:47** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : N(40M)** |

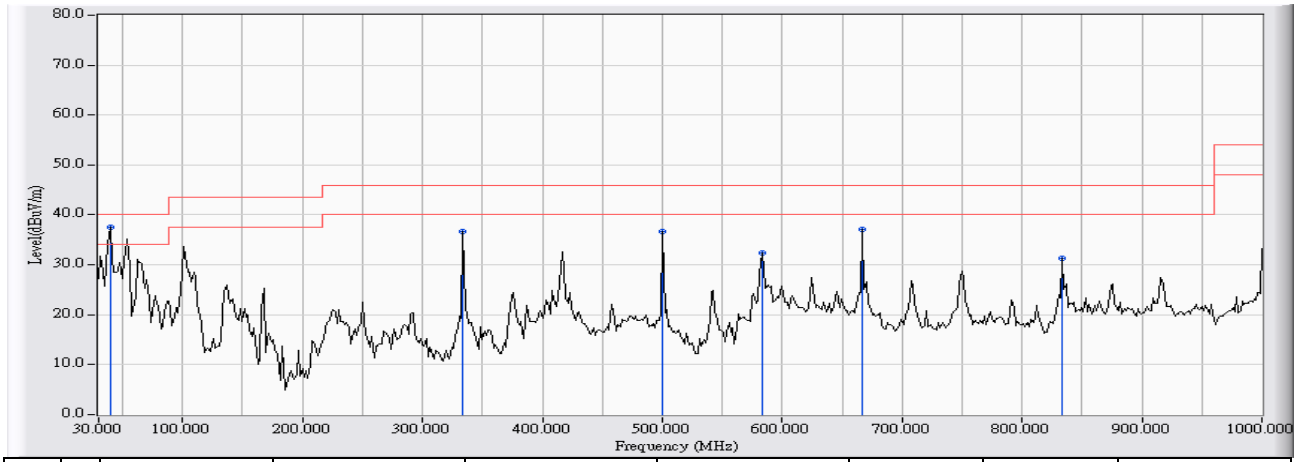



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 101.133 | -14.649 | 47.176 | 32.527 | -10.973 | 43.500 | QUASIPEAK |
| 2 | | 333.933 | -11.933 | 46.455 | 34.521 | -11.479 | 46.000 | QUASIPEAK |
| 3 | | 500.450 | -7.421 | 45.681 | 38.261 | -7.739 | 46.000 | QUASIPEAK |
| 4 | | 582.900 | -5.586 | 42.415 | 36.829 | -9.171 | 46.000 | QUASIPEAK |
| 5 | * | 666.967 | -3.598 | 42.161 | 38.563 | -7.437 | 46.000 | QUASIPEAK |
| 6 | | 915.933 | -1.288 | 35.953 | 34.665 | -11.335 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/18 - 16:50** |
| **Limit : FCC_CLASS_B_03M_QP** | **Margin : 6** |
| **Probe : CB3_FCC_30-1G(2009) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : N(40M)** |



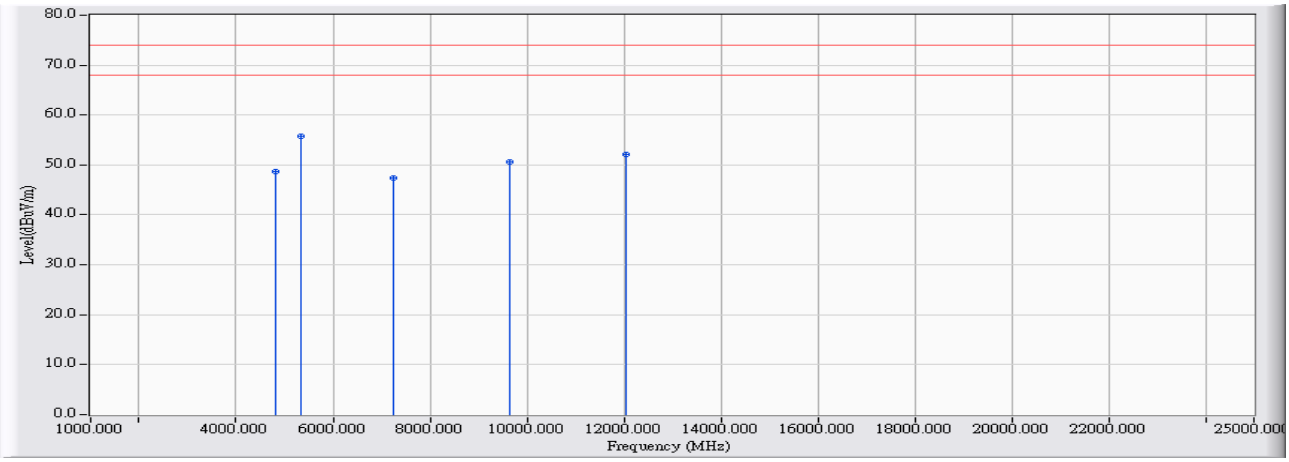

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 39.700 | -8.933 | 46.558 | 37.626 | -2.374 | 40.000 | QUASIPEAK |
| 2 | | 333.933 | -11.656 | 48.347 | 36.691 | -9.309 | 46.000 | QUASIPEAK |
| 3 | | 500.450 | -6.739 | 43.439 | 36.701 | -9.299 | 46.000 | QUASIPEAK |
| 4 | | 582.900 | -6.219 | 38.607 | 32.388 | -13.612 | 46.000 | QUASIPEAK |
| 5 | | 666.967 | -3.607 | 40.677 | 37.070 | -8.930 | 46.000 | QUASIPEAK |
| 6 | | 833.483 | -3.049 | 34.260 | 31.211 | -14.789 | 46.000 | QUASIPEAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

## Harmonic & Spurious:

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 11:46** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

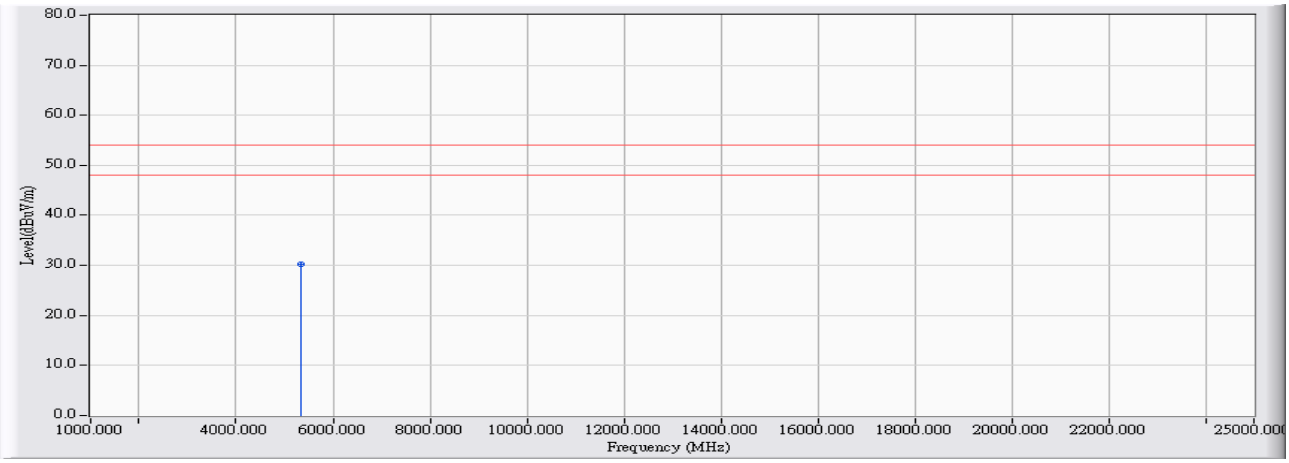



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4824.120 | 3.403 | 45.280 | 48.682 | -25.318 | 74.000 | 54.00 | PEAK |
| 2 | * | 5346.240 | 4.431 | 51.300 | 55.731 | -18.269 | 74.000 | 54.00 | PEAK |
| 3 | | 7236.040 | 9.886 | 37.490 | 47.376 | -26.624 | 74.000 | 54.00 | PEAK |
| 4 | | 9648.040 | 13.813 | 36.730 | 50.543 | -23.457 | 74.000 | 54.00 | PEAK |
| 5 | | 12060.020 | 18.620 | 33.460 | 52.079 | -21.921 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 11:47** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

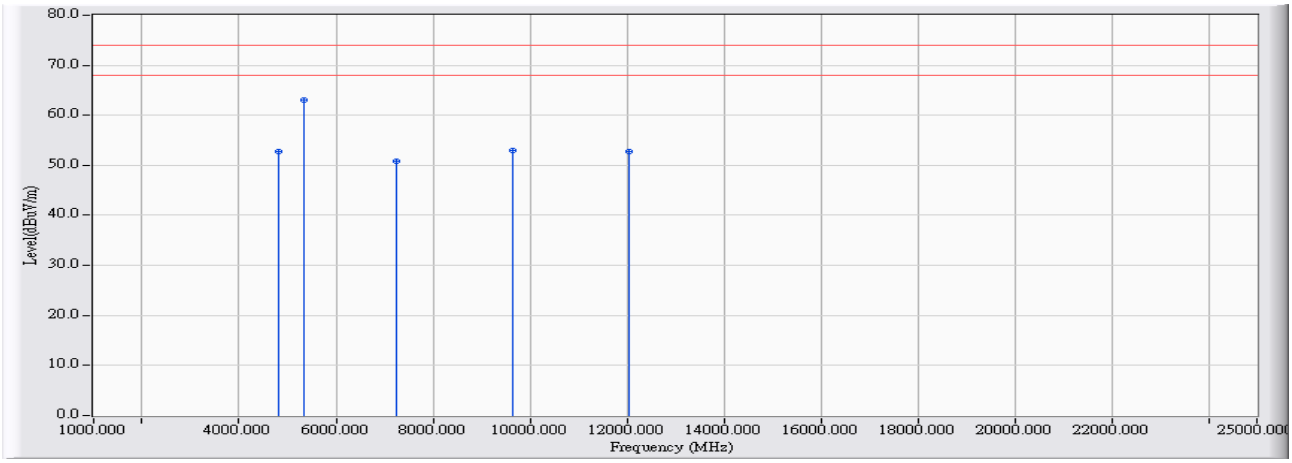



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 5352.160 | 4.440 | 25.860 | 30.301 | -23.699 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 13:16** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

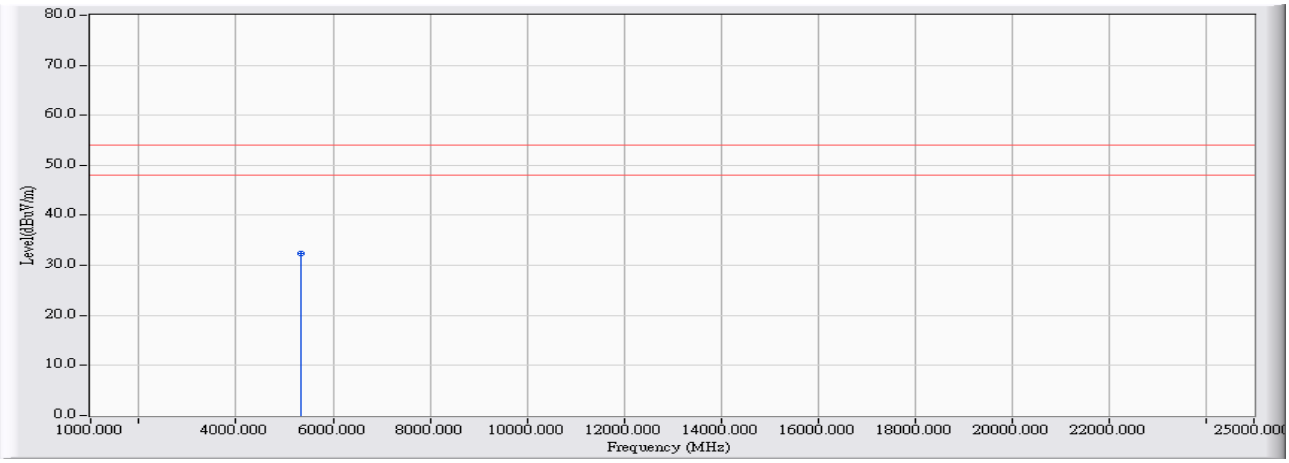



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4824.000 | 5.540 | 47.290 | 52.830 | -21.170 | 74.000 | 54.00 | PEAK |
| 2 | * | 5346.240 | 6.521 | 56.620 | 63.141 | -10.859 | 74.000 | 54.00 | PEAK |
| 3 | | 7236.039 | 9.461 | 41.400 | 50.861 | -23.139 | 74.000 | 54.00 | PEAK |
| 4 | | 9648.040 | 13.918 | 39.070 | 52.988 | -21.012 | 74.000 | 54.00 | PEAK |
| 5 | | 12060.020 | 17.353 | 35.430 | 52.782 | -21.218 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 13:17** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

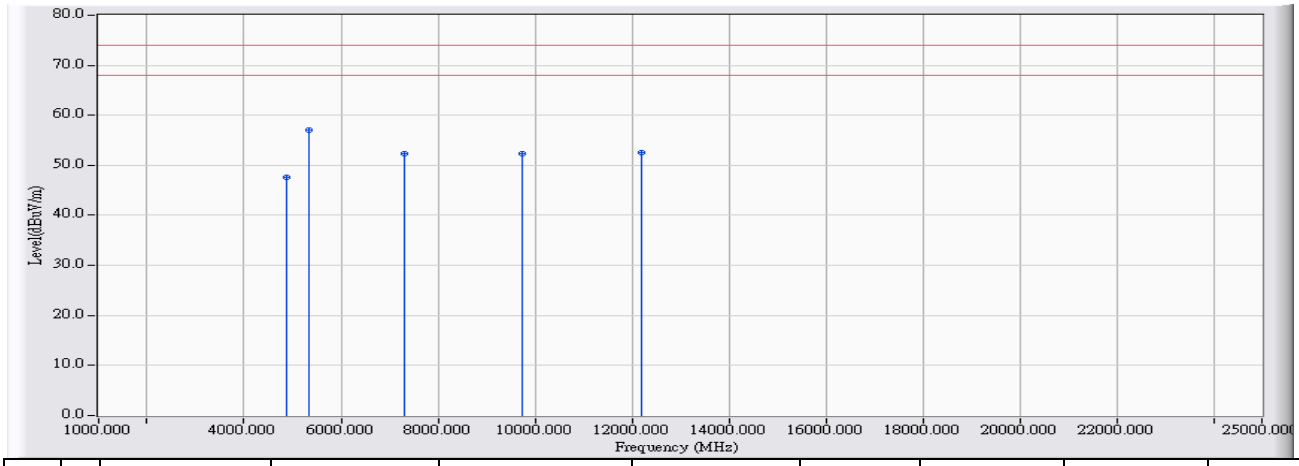



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 5347.100 | 6.523 | 25.920 | 32.443 | -21.557 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 13:42** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-B** |

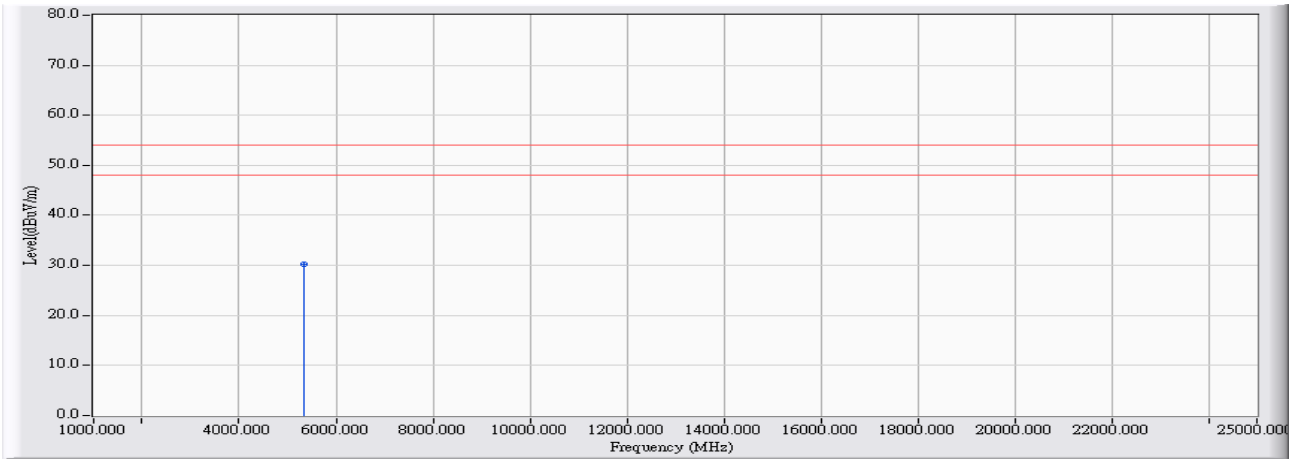



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 3.538 | 44.120 | 47.658 | -26.342 | 74.000 | 54.00 | PEAK |
| 2 | * | 5346.230 | 4.431 | 52.550 | 56.981 | -17.019 | 74.000 | 54.00 | PEAK |
| 3 | | 7314.500 | 10.241 | 42.120 | 52.361 | -21.639 | 74.000 | 54.00 | PEAK |
| 4 | | 9750.900 | 14.232 | 38.030 | 52.262 | -21.738 | 74.000 | 54.00 | PEAK |
| 5 | | 12188.020 | 18.103 | 34.440 | 52.543 | -21.457 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 13:43** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-B** |

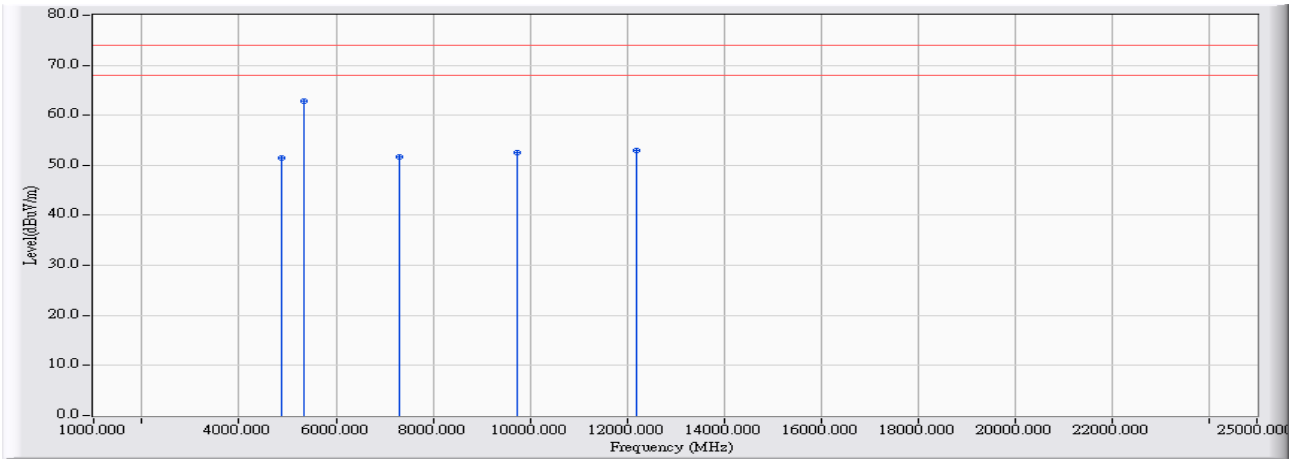



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 5346.700 | 4.432 | 25.770 | 30.202 | -23.798 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 14:07** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note :2437MHz-B** |

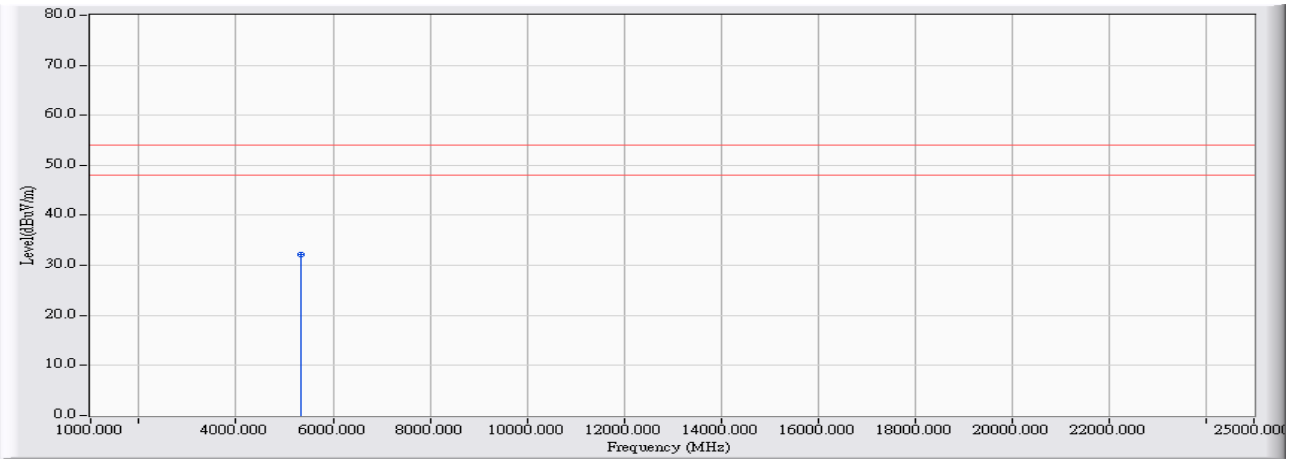



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 5.579 | 45.920 | 51.499 | -22.501 | 74.000 | 54.00 | PEAK |
| 2 | * | 5346.360 | 6.521 | 56.370 | 62.891 | -11.109 | 74.000 | 54.00 | PEAK |
| 3 | | 7314.450 | 9.609 | 42.030 | 51.639 | -22.361 | 74.000 | 54.00 | PEAK |
| 4 | | 9750.890 | 14.434 | 38.070 | 52.504 | -21.496 | 74.000 | 54.00 | PEAK |
| 5 | | 12188.230 | 17.115 | 35.760 | 52.874 | -21.126 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/19 - 14:09** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-B** |

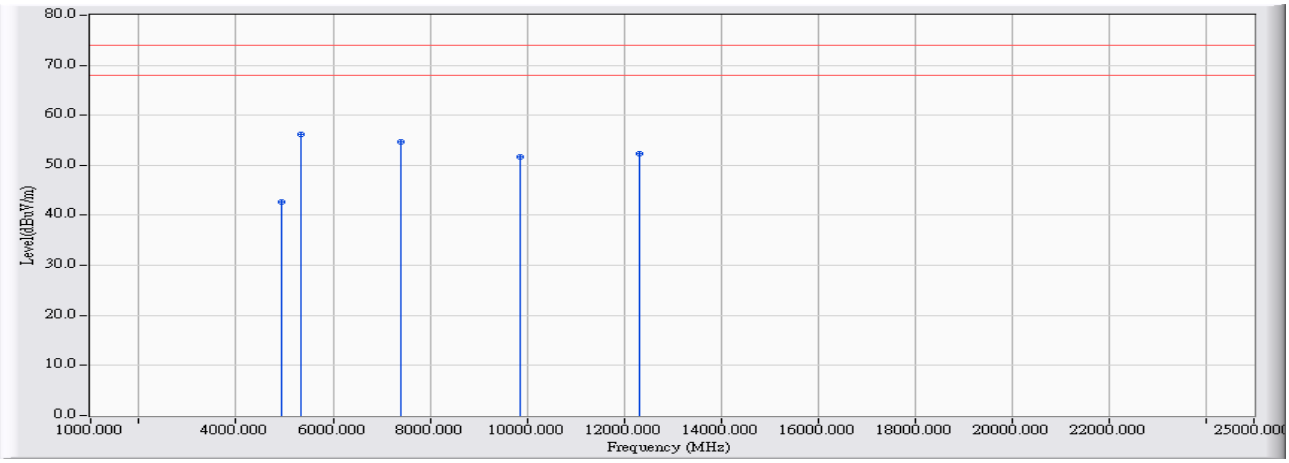



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 5347.300 | 6.523 | 25.690 | 32.213 | -21.787 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/20 - 10:08** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

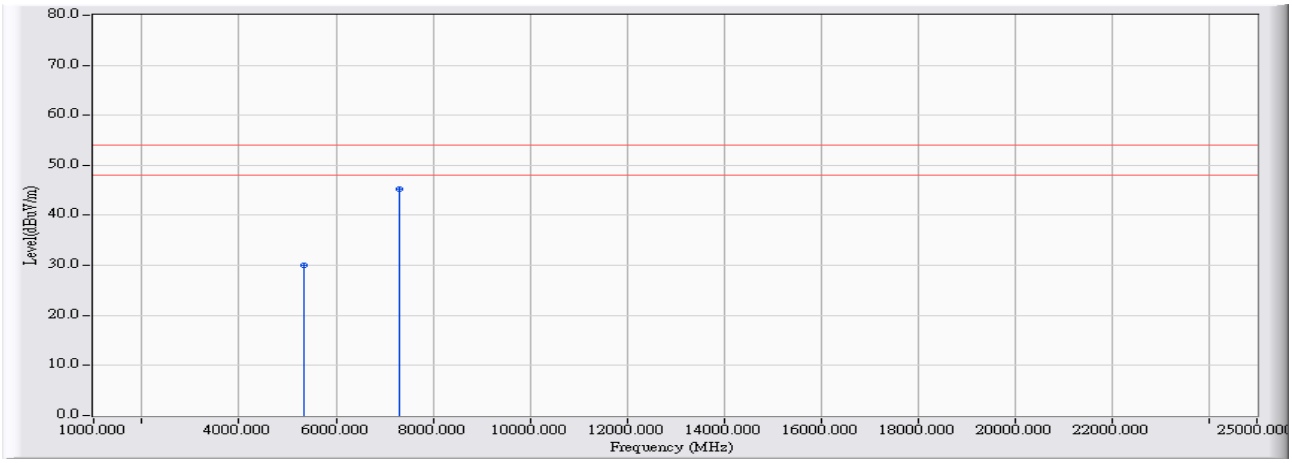



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4927.200 | 3.675 | 38.920 | 42.596 | -31.404 | 74.000 | 54.00 | PEAK |
| 2 | * | 5346.300 | 4.431 | 51.710 | 56.141 | -17.859 | 74.000 | 54.00 | PEAK |
| 3 | | 7389.400 | 10.599 | 44.120 | 54.720 | -19.280 | 74.000 | 54.00 | PEAK |
| 4 | | 9851.300 | 14.632 | 37.130 | 51.761 | -22.239 | 74.000 | 54.00 | PEAK |
| 5 | | 12313.200 | 17.624 | 34.750 | 52.373 | -21.627 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/20 - 11:57** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

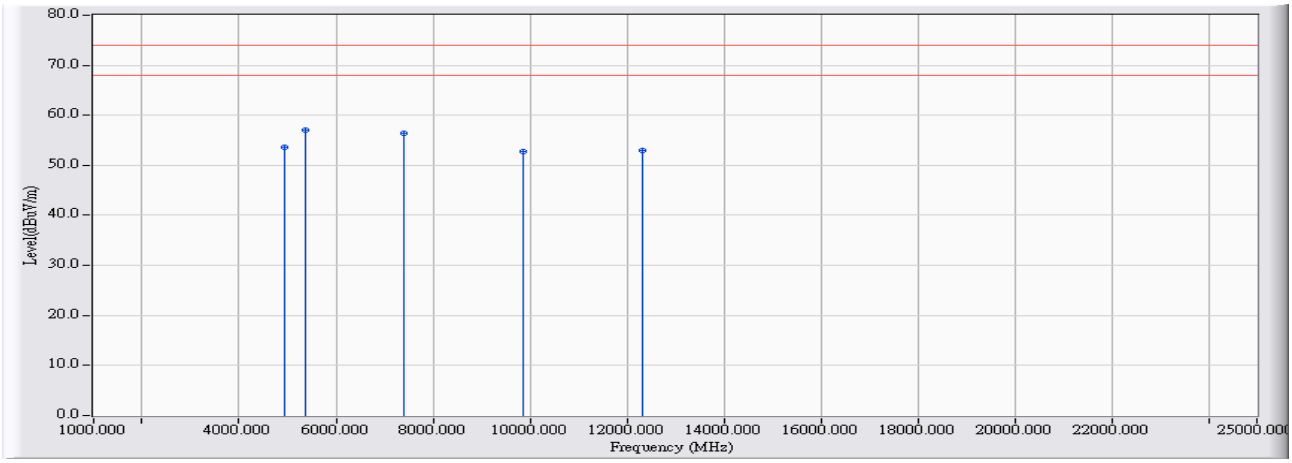



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 5347.570 | 4.433 | 25.610 | 30.043 | -23.957 | 74.000 | 54.00 | AVERAGE |
| 2 | * | 7319.250 | 10.264 | 35.020 | 45.284 | -8.716 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/20 - 12:09** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

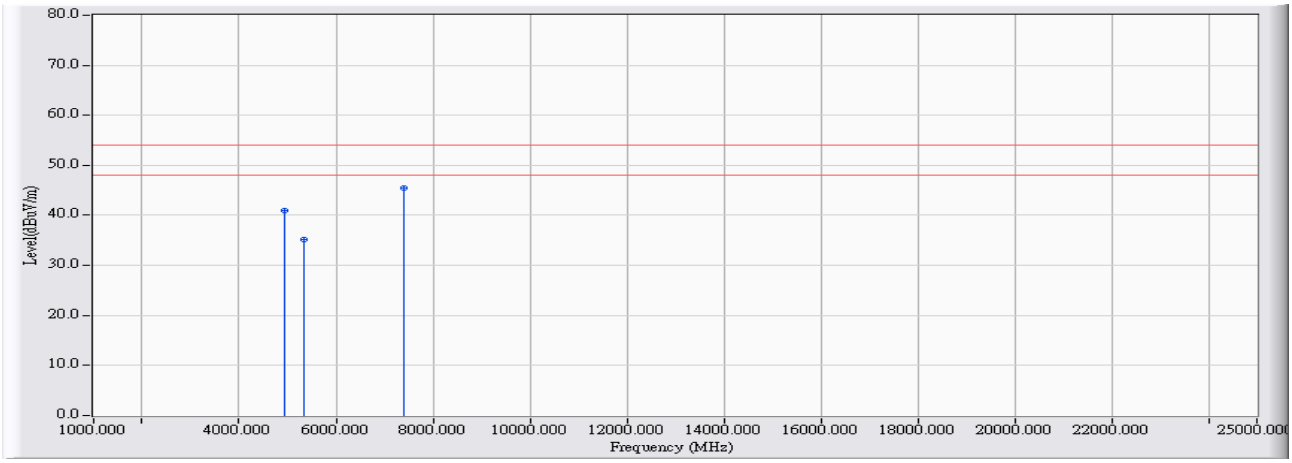



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4927.230 | 5.607 | 47.950 | 53.557 | -20.443 | 74.000 | 54.00 | PEAK |
| 2 | * | 5364.230 | 6.565 | 50.410 | 56.975 | -17.025 | 74.000 | 54.00 | PEAK |
| 3 | | 7389.390 | 9.768 | 46.570 | 56.339 | -17.661 | 74.000 | 54.00 | PEAK |
| 4 | | 9851.290 | 14.938 | 37.740 | 52.677 | -21.323 | 74.000 | 54.00 | PEAK |
| 5 | | 12313.280 | 16.889 | 36.080 | 52.969 | -21.031 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/20 - 12:22** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

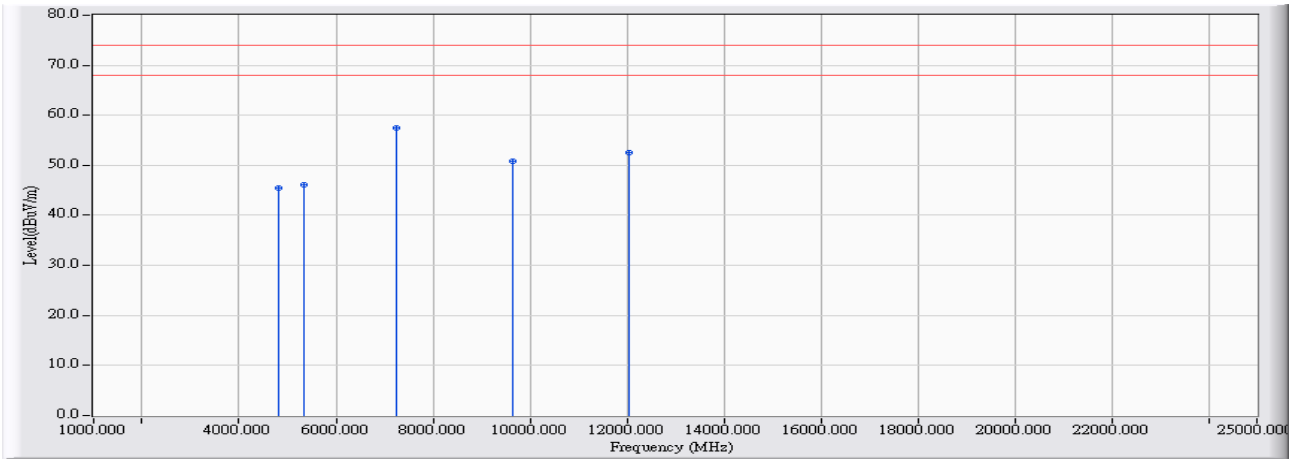



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4929.120 | 5.608 | 35.400 | 41.008 | -12.992 | 74.000 | 54.00 | AVERAGE |
| 2 | | 5346.260 | 6.521 | 28.680 | 35.201 | -18.799 | 74.000 | 54.00 | AVERAGE |
| 3 | * | 7394.830 | 9.779 | 35.700 | 45.479 | -8.521 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 09:31** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

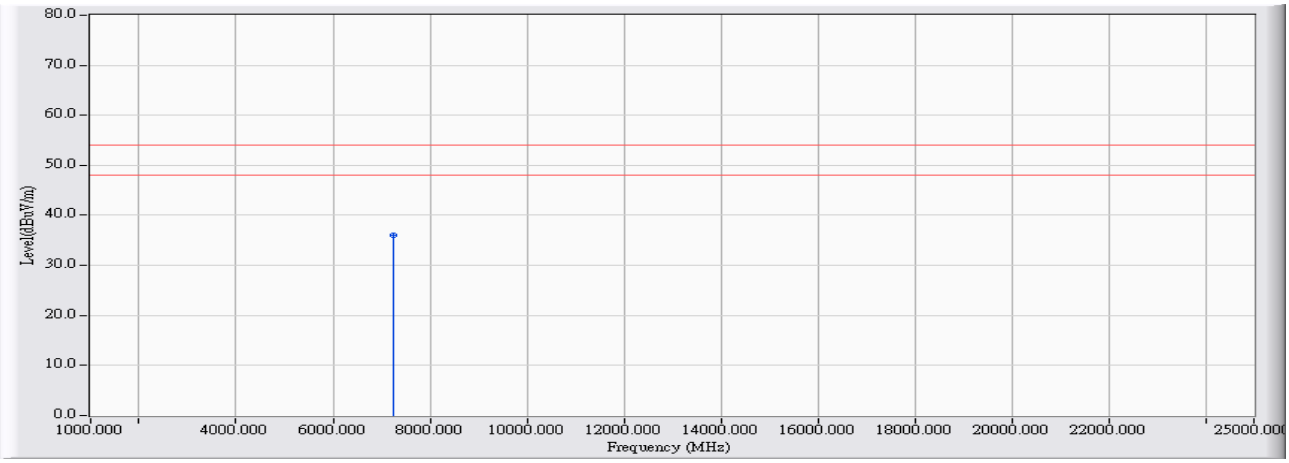



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4824.000 | 3.403 | 42.060 | 45.462 | -28.538 | 74.000 | 54.00 | PEAK |
| 2 | | 5346.230 | 4.431 | 41.590 | 46.021 | -27.979 | 74.000 | 54.00 | PEAK |
| 3 | * | 7236.039 | 9.886 | 47.630 | 57.516 | -16.484 | 74.000 | 54.00 | PEAK |
| 4 | | 9648.040 | 13.813 | 37.030 | 50.843 | -23.157 | 74.000 | 54.00 | PEAK |
| 5 | | 12060.020 | 18.620 | 33.920 | 52.539 | -21.461 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 09:37** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

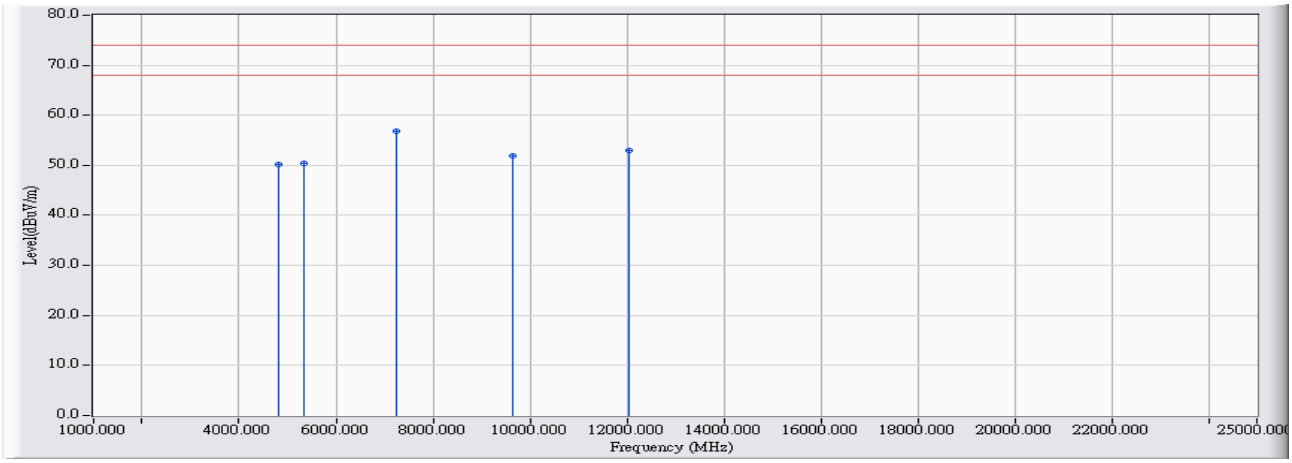



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7235.700 | 9.884 | 26.060 | 35.944 | -18.056 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 10:08** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

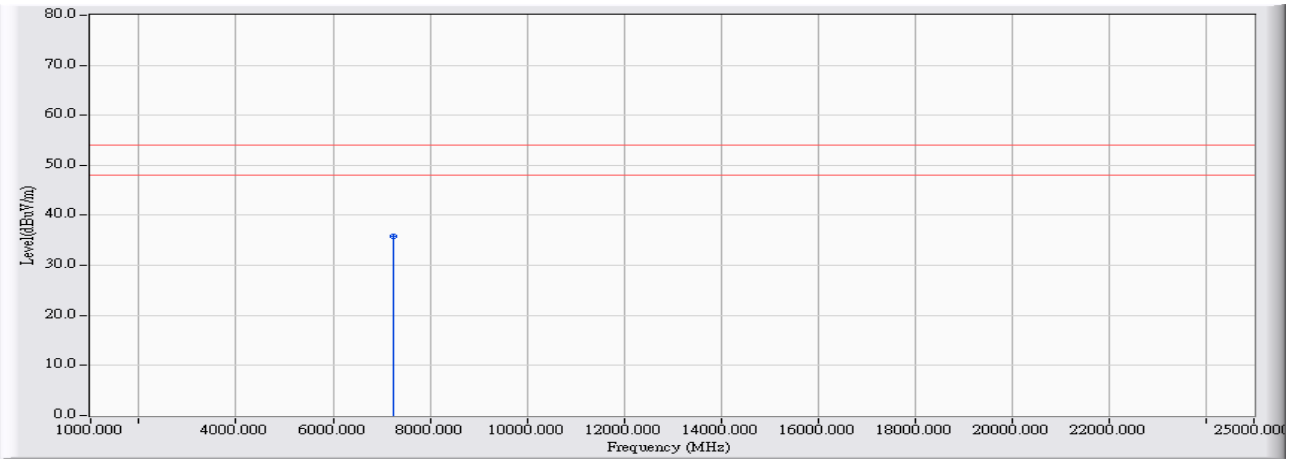



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4824.000 | 5.540 | 44.750 | 50.290 | -23.710 | 74.000 | 54.00 | PEAK |
| 2 | | 5346.250 | 6.521 | 43.950 | 50.471 | -23.529 | 74.000 | 54.00 | PEAK |
| 3 | * | 7236.040 | 9.461 | 47.440 | 56.901 | -17.099 | 74.000 | 54.00 | PEAK |
| 4 | | 9648.040 | 13.918 | 38.070 | 51.988 | -22.012 | 74.000 | 54.00 | PEAK |
| 5 | | 12060.380 | 17.351 | 35.600 | 52.951 | -21.049 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 10:09** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

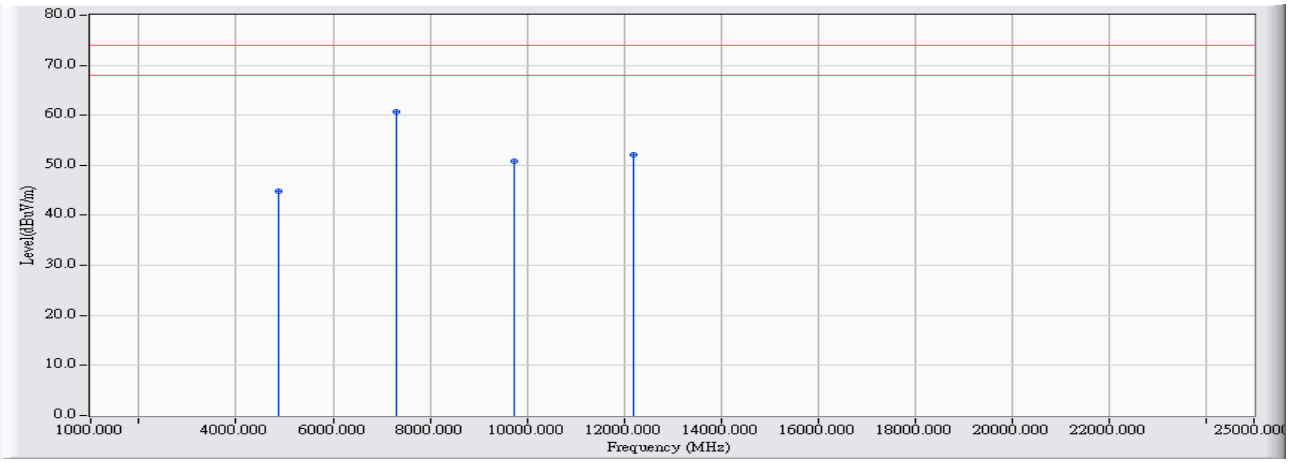



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7232.700 | 9.455 | 26.360 | 35.814 | -18.186 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 10:57** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-G** |

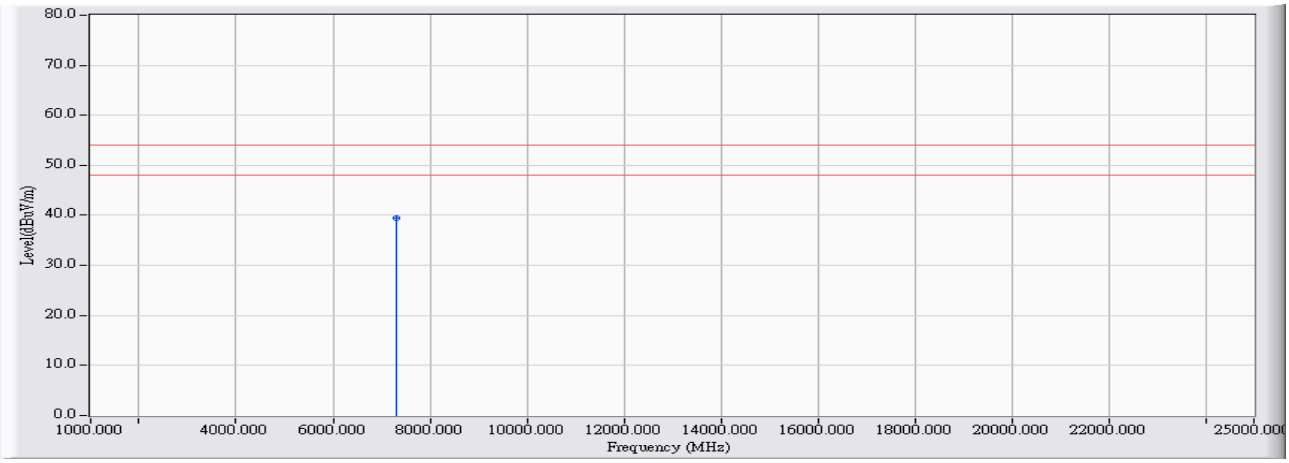



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 3.538 | 41.200 | 44.738 | -29.262 | 74.000 | 54.00 | PEAK |
| 2 | * | 7314.230 | 10.240 | 50.500 | 60.740 | -13.260 | 74.000 | 54.00 | PEAK |
| 3 | | 9750.900 | 14.232 | 36.620 | 50.852 | -23.148 | 74.000 | 54.00 | PEAK |
| 4 | | 12188.000 | 18.103 | 34.120 | 52.223 | -21.777 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 10:58** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-G** |

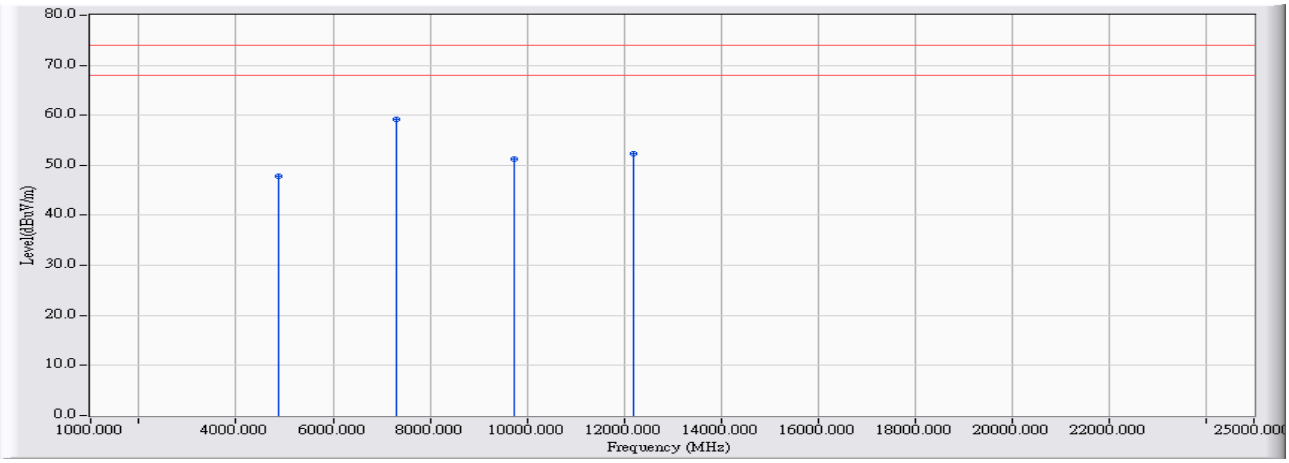



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7308.500 | 10.213 | 29.230 | 39.443 | -14.557 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 11:19** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-G** |

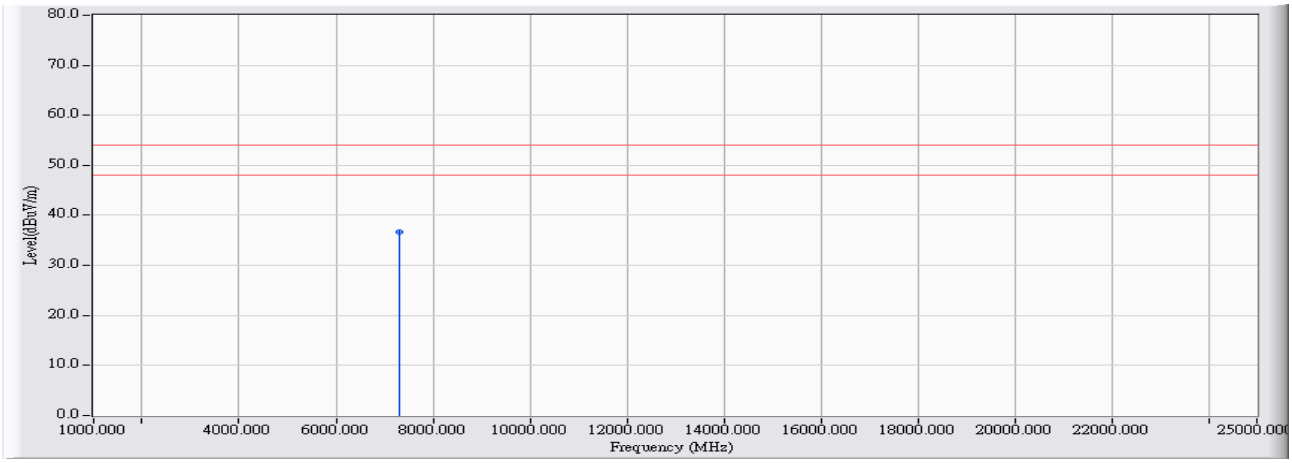



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 5.579 | 42.310 | 47.889 | -26.111 | 74.000 | 54.00 | PEAK |
| 2 | * | 7314.500 | 9.609 | 49.500 | 59.109 | -14.891 | 74.000 | 54.00 | PEAK |
| 3 | | 9750.000 | 14.430 | 36.760 | 51.190 | -22.810 | 74.000 | 54.00 | PEAK |
| 4 | | 12188.000 | 17.115 | 35.160 | 52.275 | -21.725 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 11:22** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-G** |

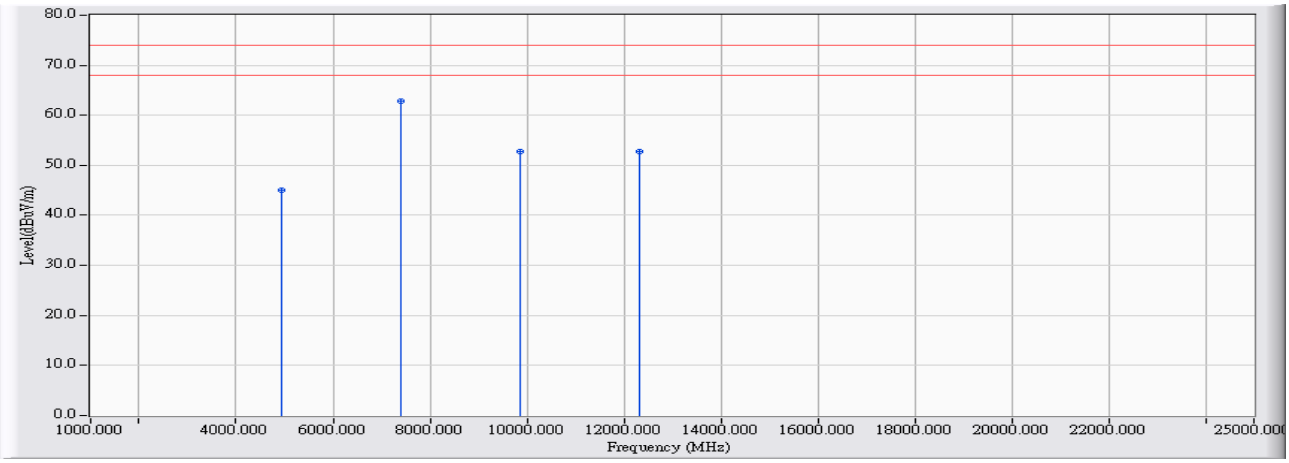



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7309.500 | 9.598 | 27.110 | 36.708 | -17.292 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 11:46** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

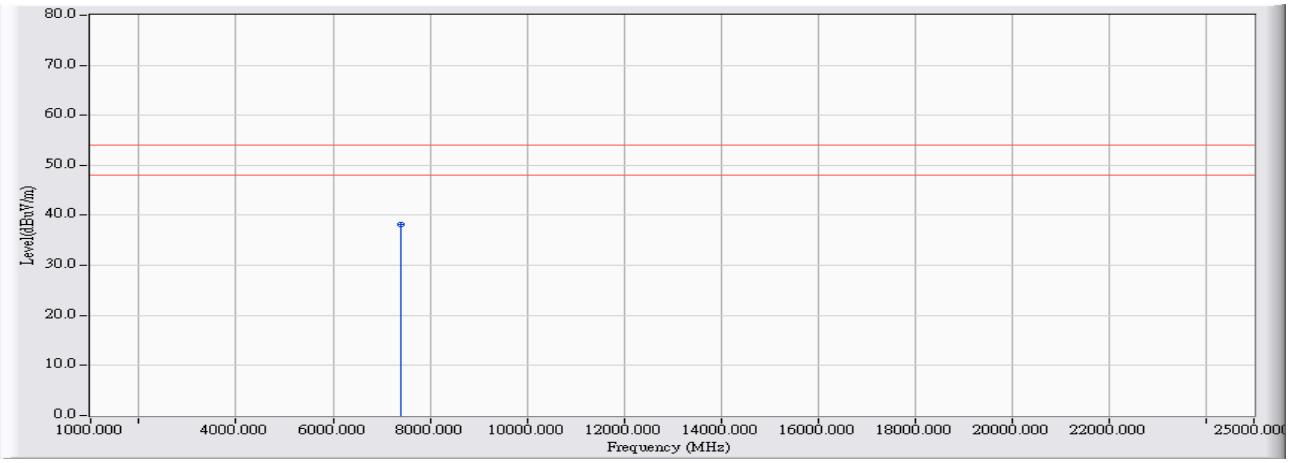



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4927.200 | 3.675 | 41.390 | 45.066 | -28.934 | 74.000 | 54.00 | PEAK |
| 2 | * | 7389.360 | 10.599 | 52.140 | 62.740 | -11.260 | 74.000 | 54.00 | PEAK |
| 3 | | 9851.300 | 14.632 | 38.160 | 52.791 | -21.209 | 74.000 | 54.00 | PEAK |
| 4 | | 12313.200 | 17.624 | 35.200 | 52.823 | -21.177 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 11:49** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

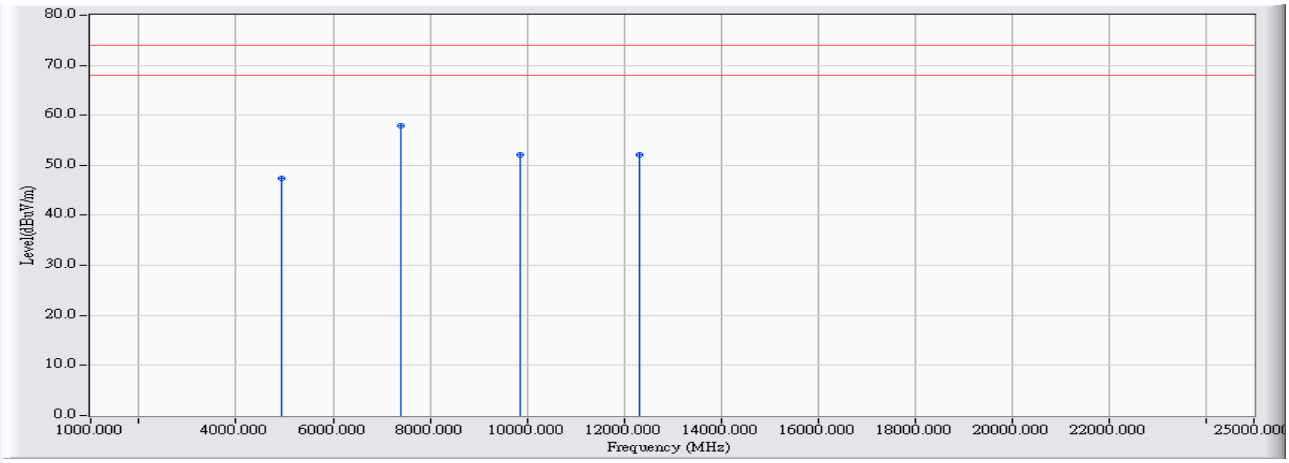



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7385.700 | 10.582 | 27.490 | 38.072 | -15.928 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 13:35** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

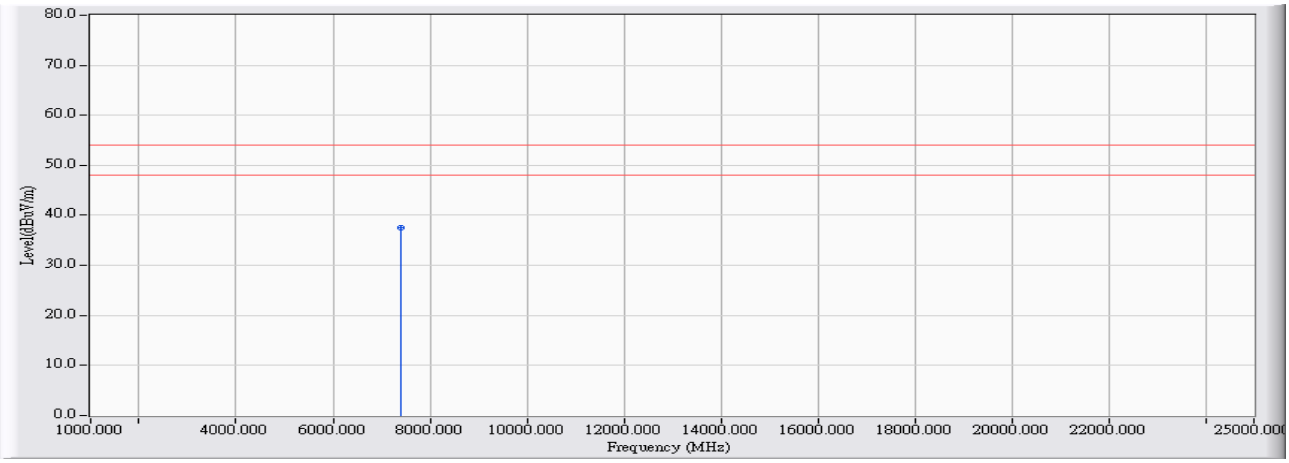



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4927.200 | 5.607 | 41.720 | 47.327 | -26.673 | 74.000 | 54.00 | PEAK |
| 2 | * | 7389.340 | 9.768 | 48.190 | 57.959 | -16.041 | 74.000 | 54.00 | PEAK |
| 3 | | 9851.230 | 14.937 | 37.270 | 52.207 | -21.793 | 74.000 | 54.00 | PEAK |
| 4 | | 12313.200 | 16.889 | 35.240 | 52.129 | -21.871 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 13:37** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

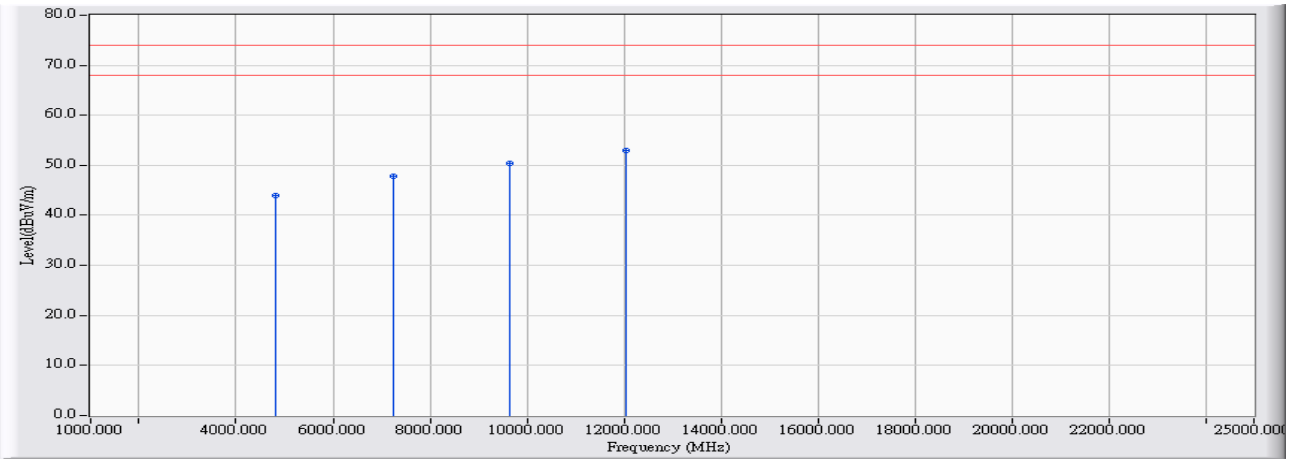



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7386.200 | 9.763 | 27.670 | 37.432 | -16.568 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 13:50** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-N(20M)** |

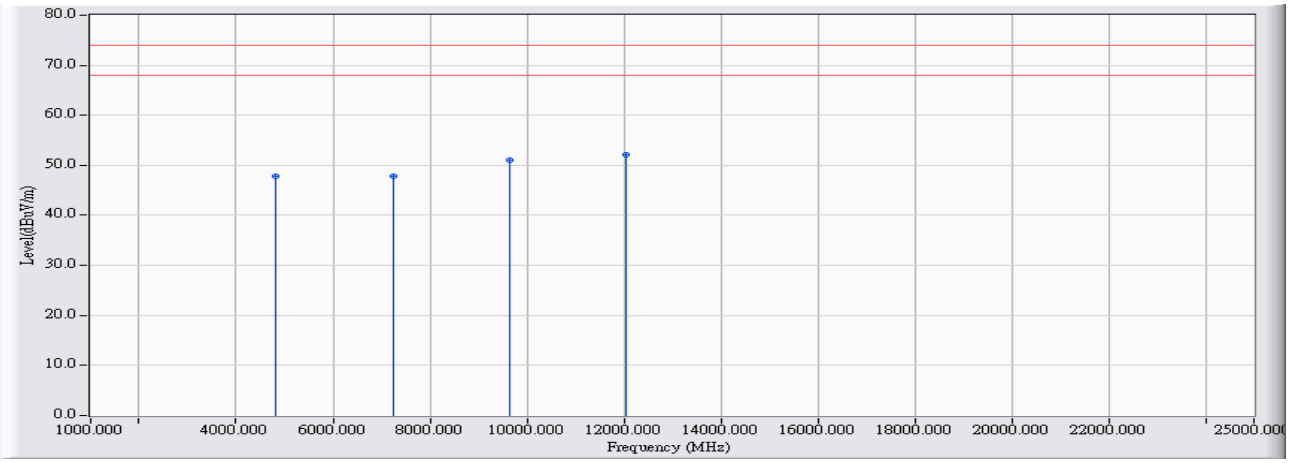



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4824.000 | 3.403 | 40.670 | 44.072 | -29.928 | 74.000 | 54.00 | PEAK |
| 2 | | 7236.040 | 9.886 | 37.880 | 47.766 | -26.234 | 74.000 | 54.00 | PEAK |
| 3 | | 9648.040 | 13.813 | 36.500 | 50.313 | -23.687 | 74.000 | 54.00 | PEAK |
| 4 | * | 12060.000 | 18.620 | 34.300 | 52.920 | -21.080 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 14:06** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-N(20M)** |

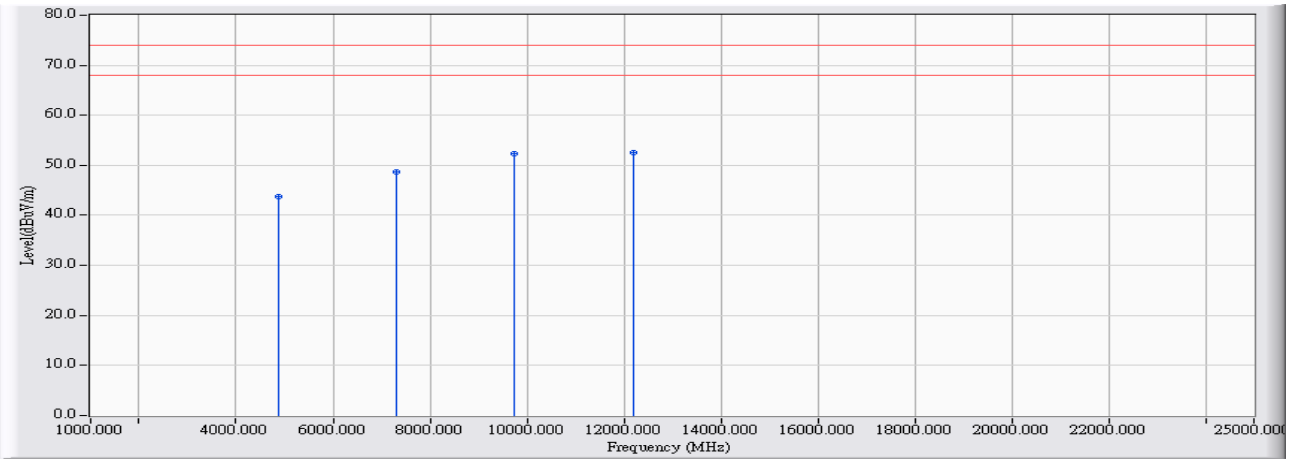



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4824.000 | 5.540 | 42.220 | 47.760 | -26.240 | 74.000 | 54.00 | PEAK |
| 2 | | 7236.040 | 9.461 | 38.290 | 47.751 | -26.249 | 74.000 | 54.00 | PEAK |
| 3 | | 9648.040 | 13.918 | 37.080 | 50.998 | -23.002 | 74.000 | 54.00 | PEAK |
| 4 | * | 12060.020 | 17.353 | 34.740 | 52.092 | -21.908 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 14:53** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-N(20M)** |

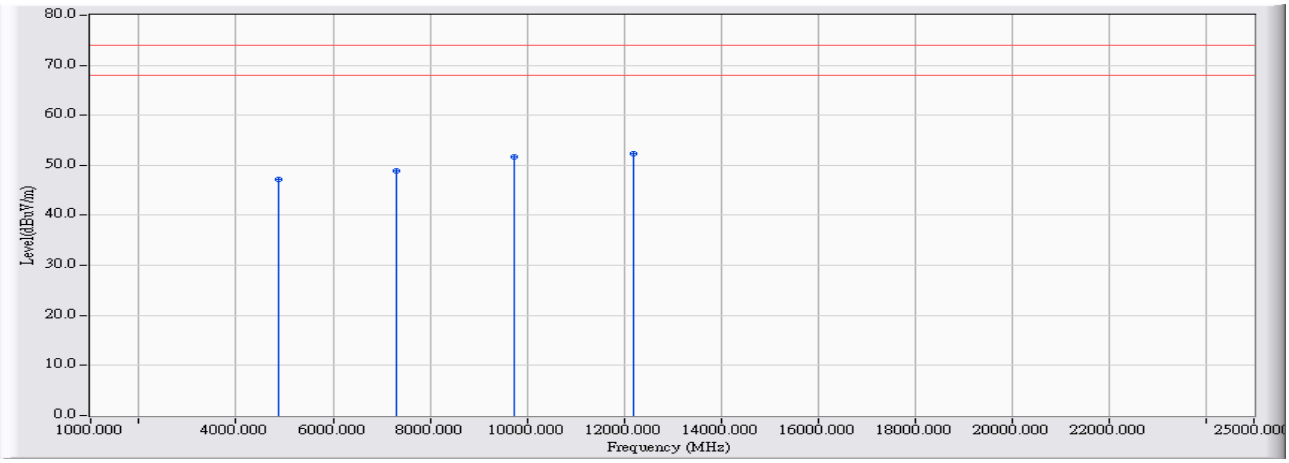



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 3.538 | 40.220 | 43.758 | -30.242 | 74.000 | 54.00 | PEAK |
| 2 | | 7314.500 | 10.241 | 38.410 | 48.651 | -25.349 | 74.000 | 54.00 | PEAK |
| 3 | | 9750.900 | 14.232 | 38.070 | 52.302 | -21.698 | 74.000 | 54.00 | PEAK |
| 4 | * | 12188.000 | 18.103 | 34.400 | 52.503 | -21.497 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 14:59** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-N(20M)** |

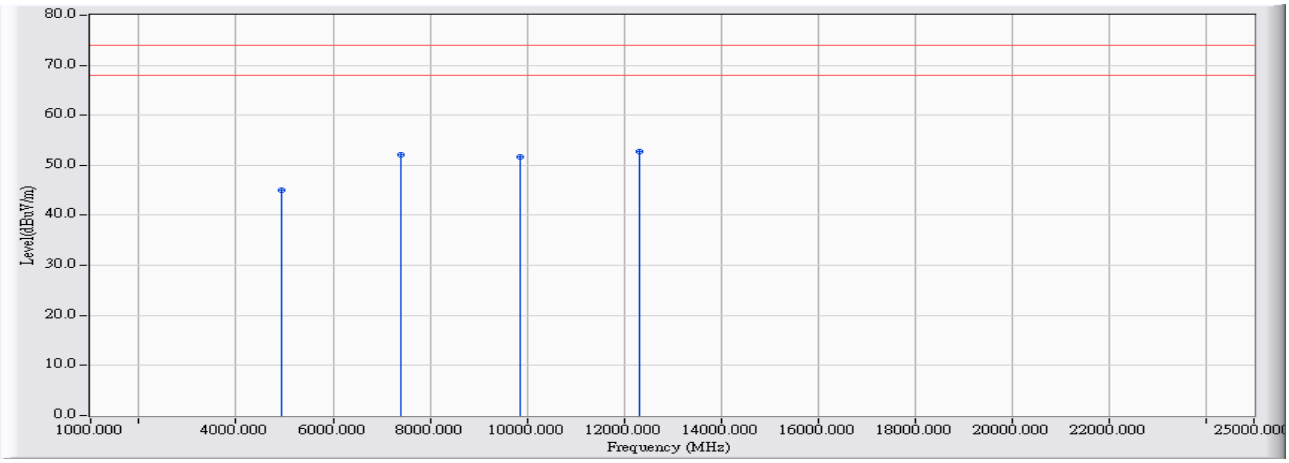



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 5.579 | 41.690 | 47.269 | -26.731 | 74.000 | 54.00 | PEAK |
| 2 | | 7314.500 | 9.609 | 39.280 | 48.889 | -25.111 | 74.000 | 54.00 | PEAK |
| 3 | | 9750.900 | 14.434 | 37.150 | 51.584 | -22.416 | 74.000 | 54.00 | PEAK |
| 4 | * | 12188.000 | 17.115 | 35.300 | 52.415 | -21.585 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 15:07** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-N(20M)** |

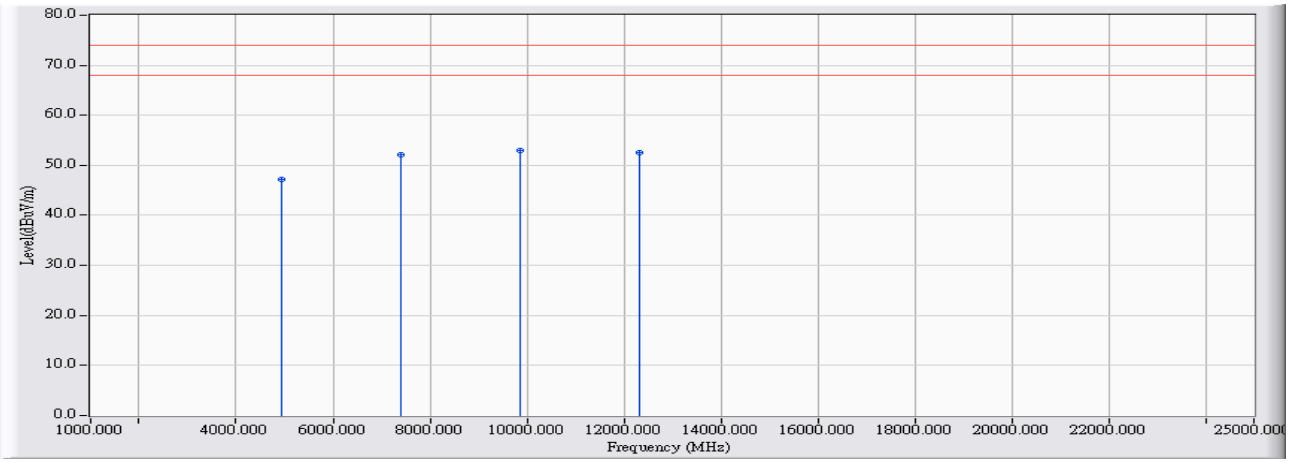



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4927.260 | 3.676 | 41.420 | 45.096 | -28.904 | 74.000 | 54.00 | PEAK |
| 2 | | 7389.560 | 10.601 | 41.550 | 52.151 | -21.849 | 74.000 | 54.00 | PEAK |
| 3 | | 9851.280 | 14.632 | 37.120 | 51.751 | -22.249 | 74.000 | 54.00 | PEAK |
| 4 | * | 12313.180 | 17.624 | 35.080 | 52.704 | -21.296 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 15:13** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-N(20M)** |

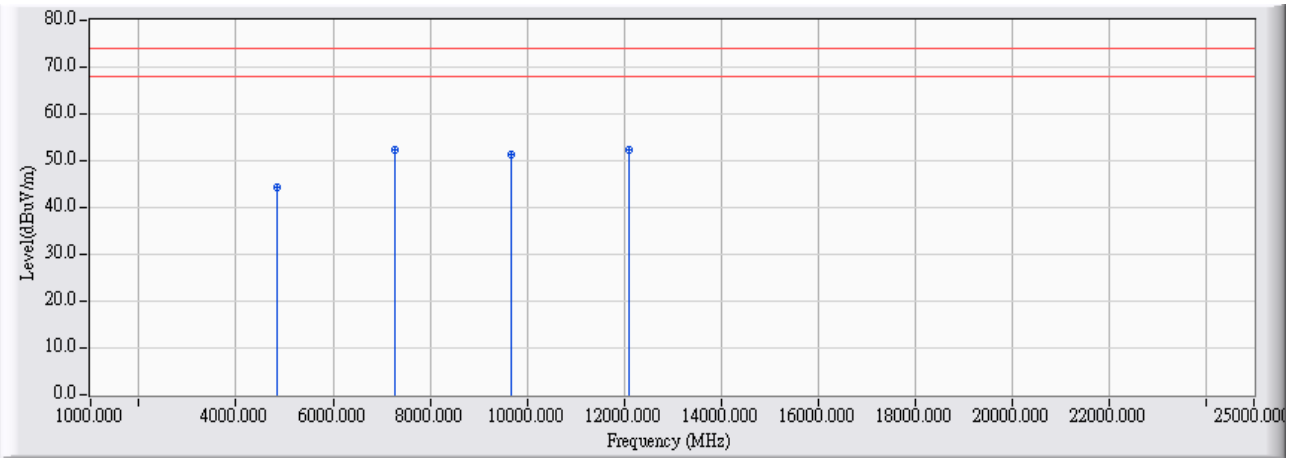



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4923.250 | 5.605 | 41.660 | 47.265 | -26.735 | 74.000 | 54.00 | PEAK |
| 2 | | 7389.360 | 9.768 | 42.400 | 52.169 | -21.831 | 74.000 | 54.00 | PEAK |
| 3 | * | 9851.270 | 14.938 | 37.950 | 52.887 | -21.113 | 74.000 | 54.00 | PEAK |
| 4 | | 12313.260 | 16.889 | 35.660 | 52.549 | -21.451 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 15:28** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2422MHz-N(40M)** |

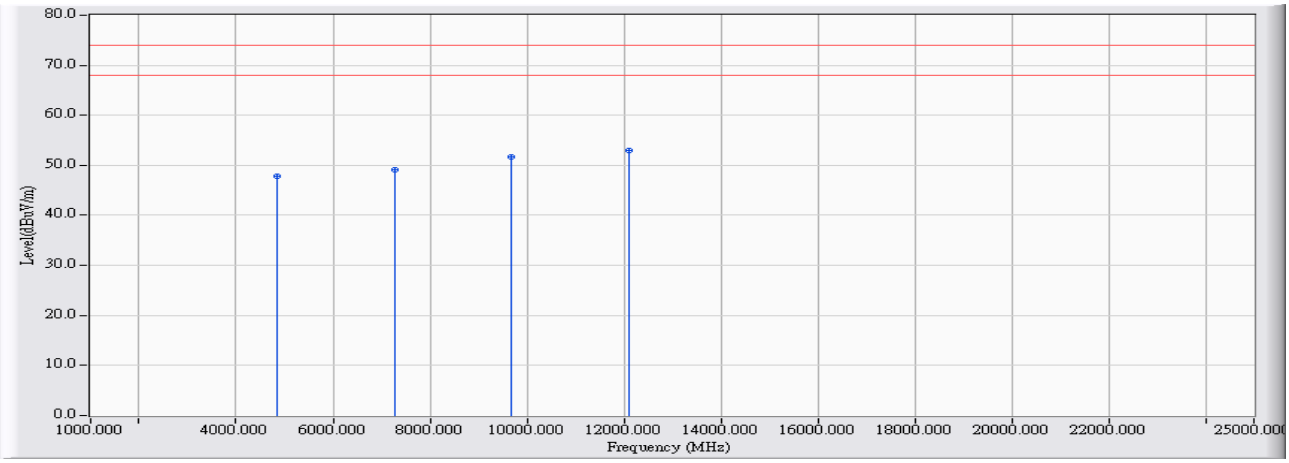



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4846.500 | 3.458 | 41.030 | 44.488 | -29.512 | 74.000 | 54.00 | PEAK |
| 2 | * | 7268.500 | 10.031 | 42.410 | 52.441 | -21.559 | 74.000 | 54.00 | PEAK |
| 3 | | 9690.500 | 13.980 | 37.480 | 51.460 | -22.540 | 74.000 | 54.00 | PEAK |
| 4 | | 12112.500 | 18.415 | 33.810 | 52.224 | -21.776 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 15:37** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2422MHz-N(40M)** |

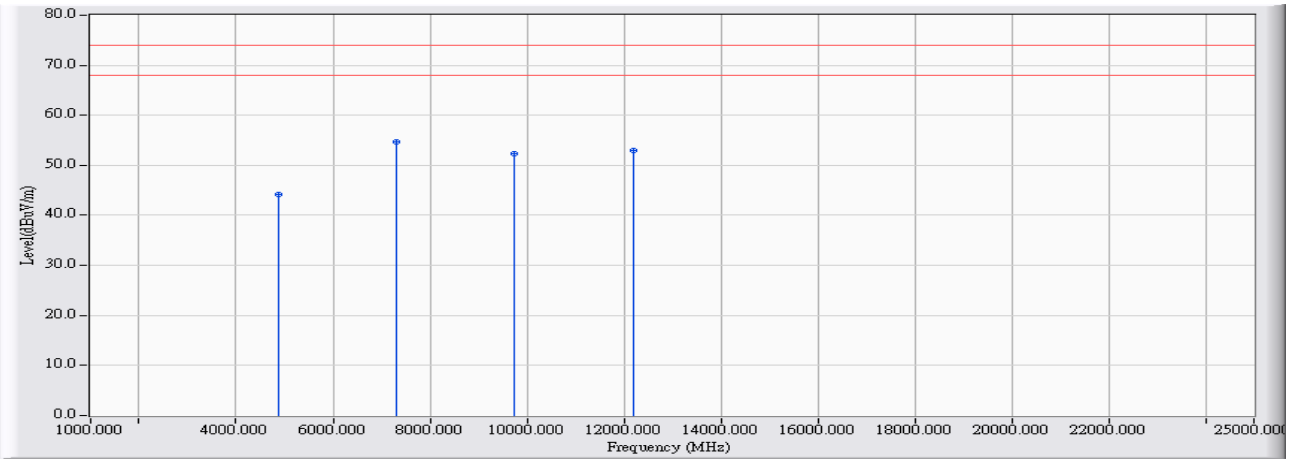



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4844.500 | 5.557 | 42.170 | 47.727 | -26.273 | 74.000 | 54.00 | PEAK |
| 2 | | 7266.560 | 9.517 | 39.690 | 49.207 | -24.793 | 74.000 | 54.00 | PEAK |
| 3 | | 9688.000 | 14.121 | 37.620 | 51.741 | -22.259 | 74.000 | 54.00 | PEAK |
| 4 | * | 12110.000 | 17.261 | 35.620 | 52.880 | -21.120 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 15:45** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-N(40M)** |

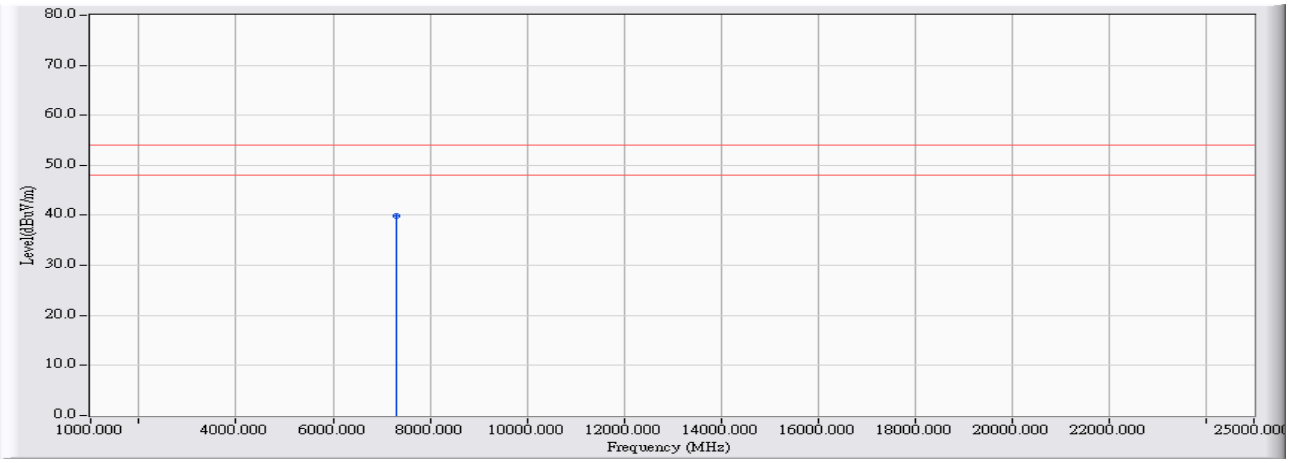



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 3.538 | 40.620 | 44.158 | -29.842 | 74.000 | 54.00 | PEAK |
| 2 | * | 7314.500 | 10.241 | 44.410 | 54.651 | -19.349 | 74.000 | 54.00 | PEAK |
| 3 | | 9750.000 | 14.229 | 38.170 | 52.399 | -21.601 | 74.000 | 54.00 | PEAK |
| 4 | | 12188.000 | 18.103 | 34.820 | 52.923 | -21.077 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 16:01** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-N(40M)** |

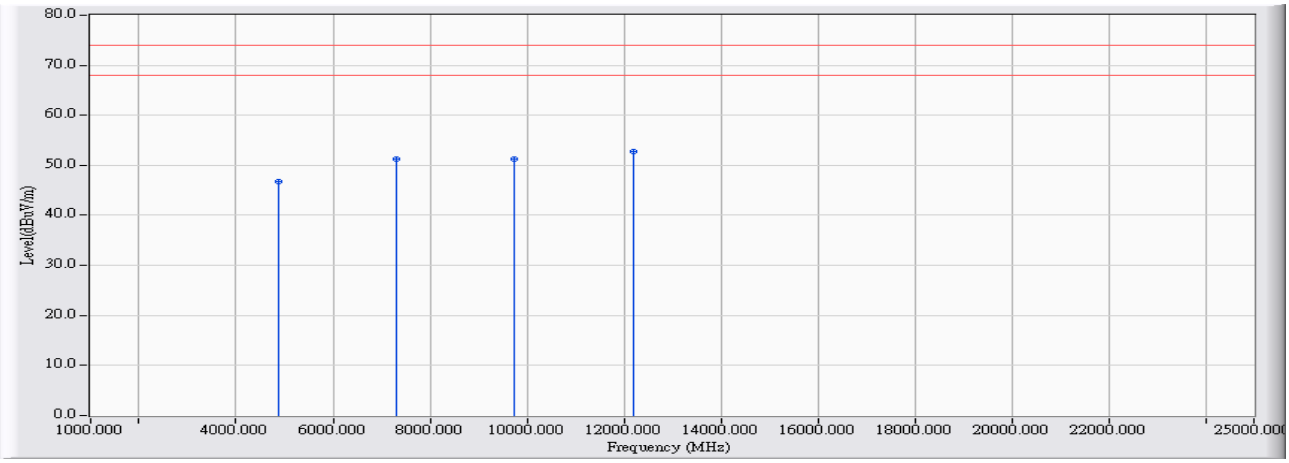



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7304.700 | 10.197 | 29.700 | 39.896 | -14.104 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 16:10** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2437MHz-N(40M)** |

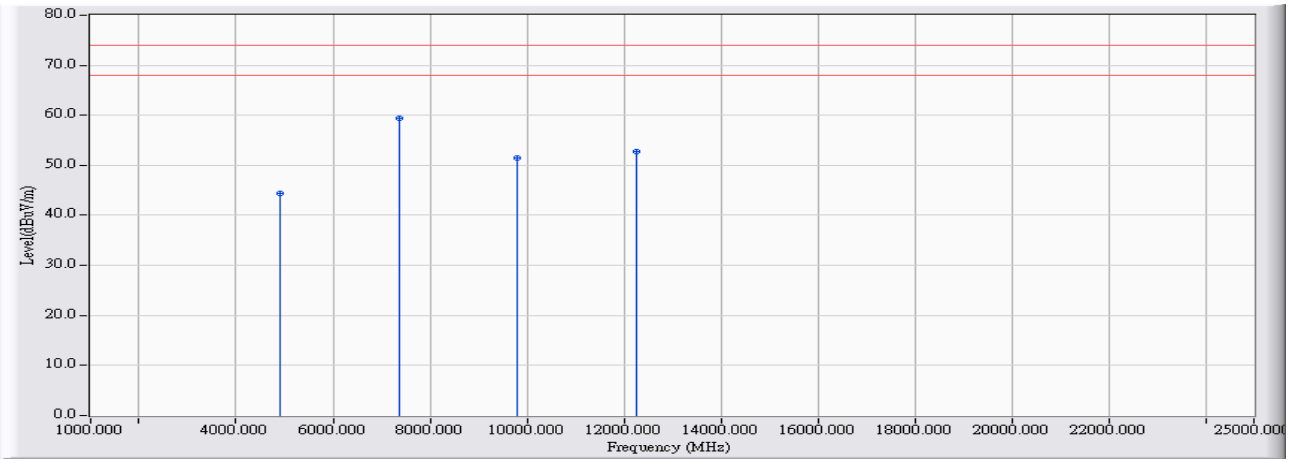



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4877.000 | 5.579 | 41.240 | 46.819 | -27.181 | 74.000 | 54.00 | PEAK |
| 2 | | 7314.500 | 9.609 | 41.620 | 51.229 | -22.771 | 74.000 | 54.00 | PEAK |
| 3 | | 9750.900 | 14.434 | 36.780 | 51.214 | -22.786 | 74.000 | 54.00 | PEAK |
| 4 | * | 12188.000 | 17.115 | 35.640 | 52.755 | -21.245 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 16:24** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |

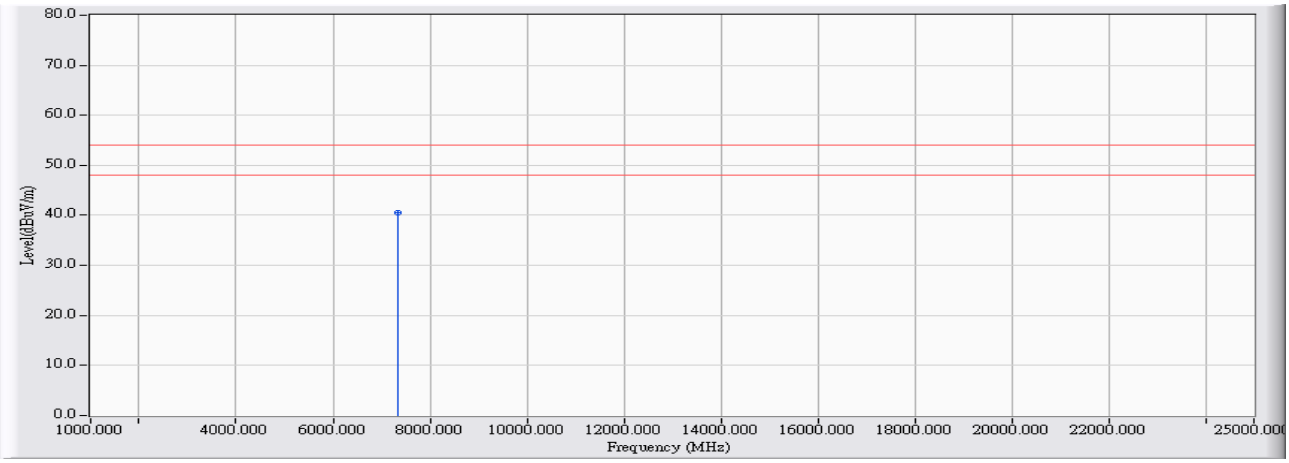



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4894.000 | 3.588 | 40.760 | 44.348 | -29.652 | 74.000 | 54.00 | PEAK |
| 2 | * | 7356.700 | 10.444 | 49.040 | 59.484 | -14.516 | 74.000 | 54.00 | PEAK |
| 3 | | 9808.000 | 14.461 | 36.920 | 51.381 | -22.619 | 74.000 | 54.00 | PEAK |
| 4 | | 12260.700 | 17.829 | 35.010 | 52.839 | -21.161 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 16:28** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |

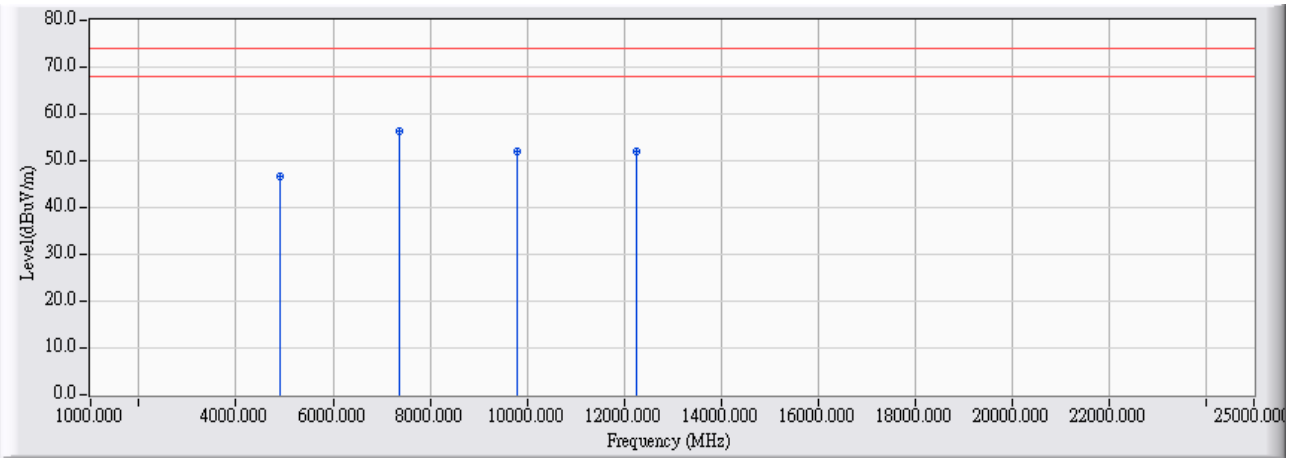



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7349.200 | 10.413 | 30.180 | 40.593 | -13.407 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 16:42** |
| **Limit : FCC_SpartC_15.247_H_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |

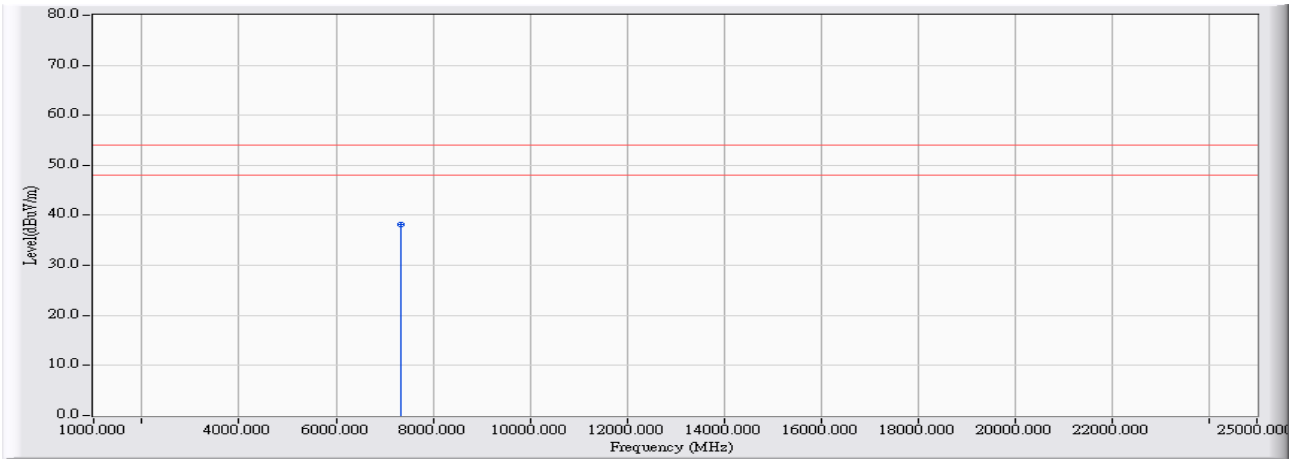



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 4894.000 | 5.585 | 41.140 | 46.725 | -27.275 | 74.000 | 54.00 | PEAK |
| 2 | * | 7356.700 | 9.690 | 46.610 | 56.300 | -17.700 | 74.000 | 54.00 | PEAK |
| 3 | | 9808.700 | 14.722 | 37.360 | 52.082 | -21.918 | 74.000 | 54.00 | PEAK |
| 4 | | 12260.700 | 16.987 | 35.080 | 52.067 | -21.933 | 74.000 | 54.00 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/22 - 16:47** |
| **Limit : FCC_SpartC_15.247_H_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Average Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | * | 7349.700 | 9.679 | 28.460 | 38.139 | -15.861 | 74.000 | 54.00 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

# 5. RF antenna conducted test

## 5.1. Test Equipment

The following test equipments are used during the test:

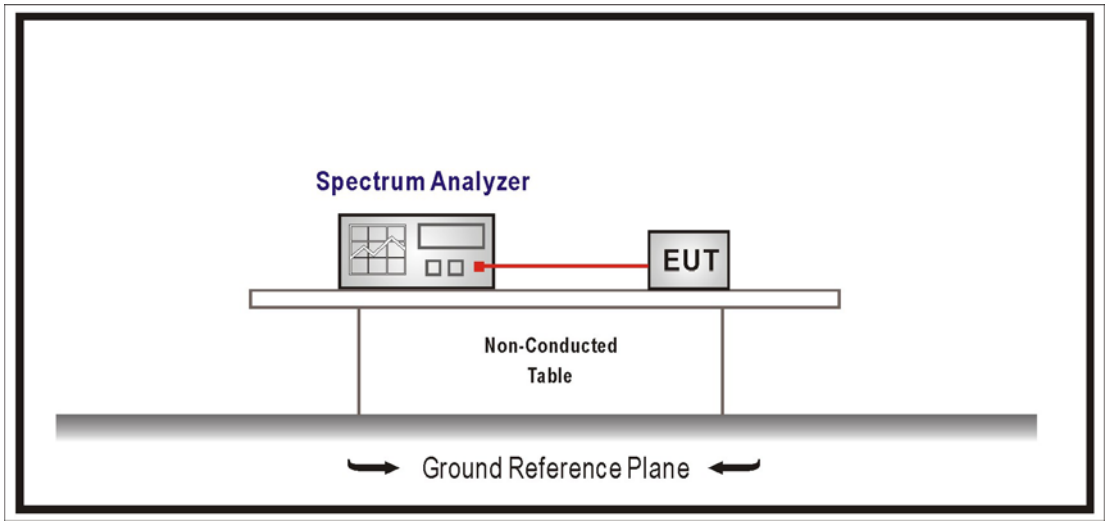
| RF Conducted Measurement: | | | | |
|---|---|---|---|---|
| Item | Equipment | Manufacturer | Model No. / Serial No. | Last Cal. |
| 1 | Spectrum Analyzer | R & S | FSP / 100561 | Mar., 2009 |
| 2 | No.1 OATS | | | Sep., 2008 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

2. Test instruments are marked with “X” are used to measure the final test results.

## 5.2. Test Setup

RF Antenna Conducted Measurement:



## 5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

## 5.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

## 5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2008

## 5.6. Uncertainty

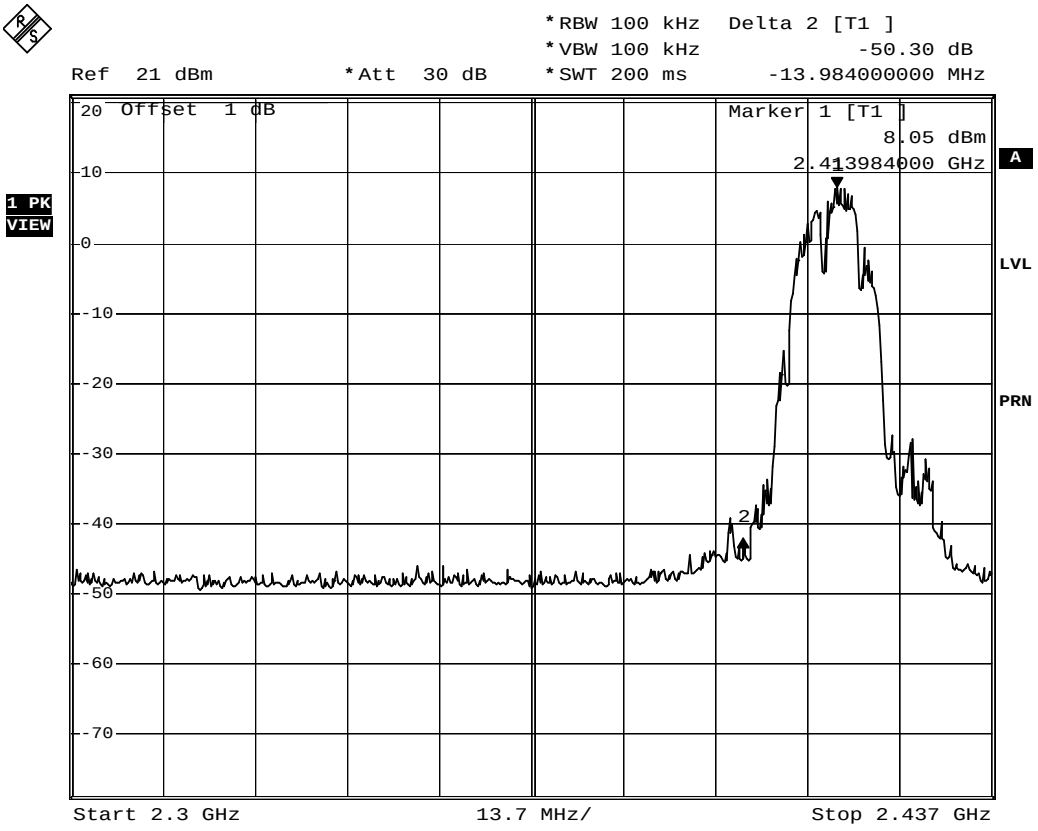
Conducted is defined as ± 1.27dB

## 5.7. Test Result

| Product | Wireless Router | | |
|---|---|---|---|
| Test Item | RF antenna conducted test | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/24 | Test Site | No.1 OATS |

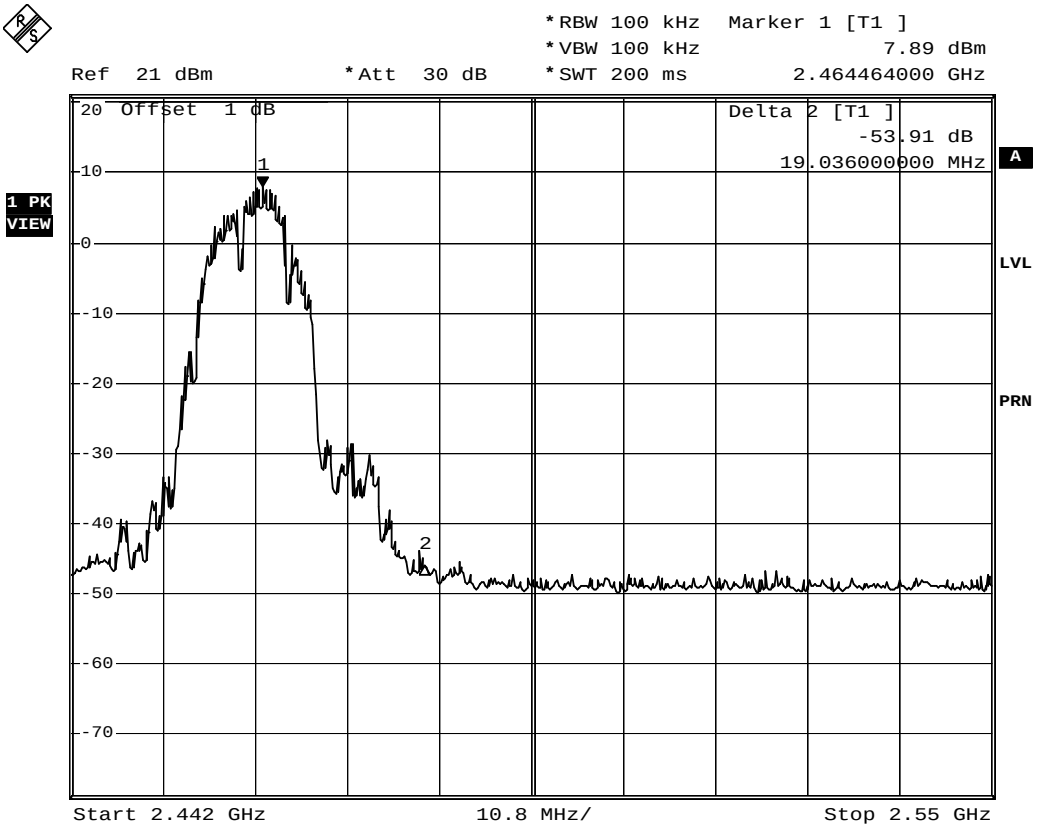
| IEEE 802.11b, Antenna Gain: 2dBi, Duty Cycle: 1 | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBc) | Limit (dBc) | Result |
| 1 | 2412 | 50.30 | ≥20 | Pass |
| 11 | 2462 | 53.91 | ≥20 | Pass |

**Channel 01 (2412MHz)**




Date: 24.JUN.2009 02:01:27

## Channel 11 (2462MHz)

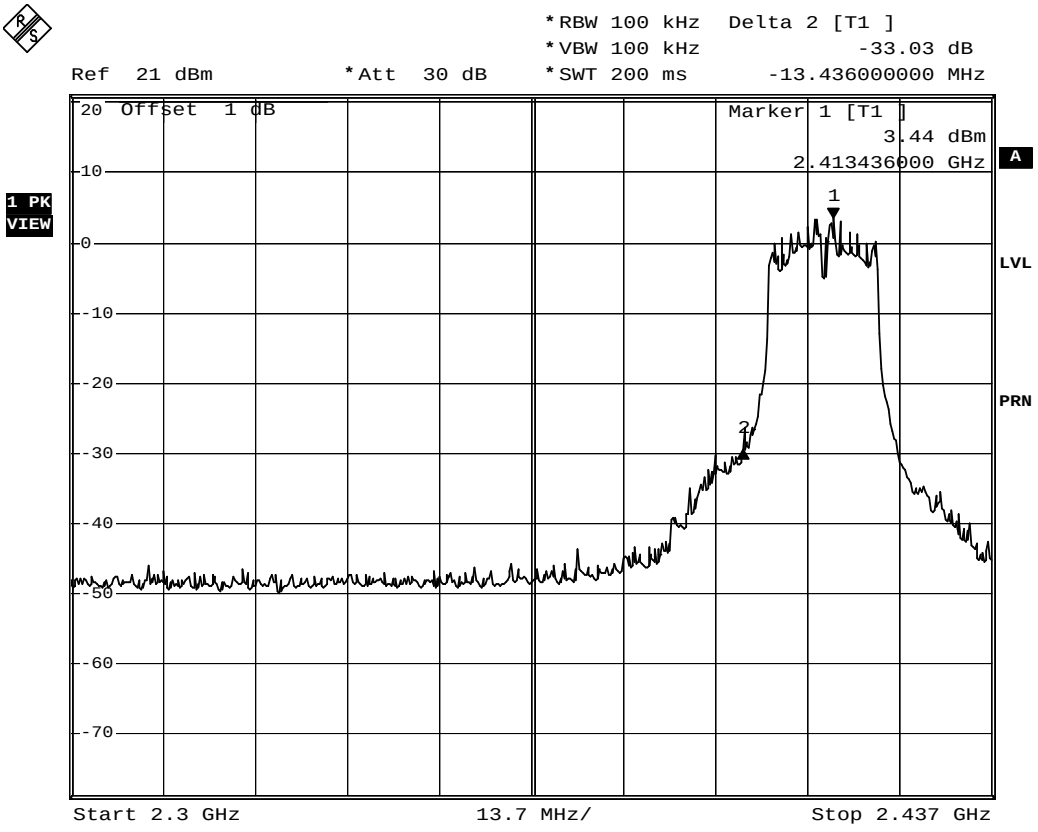



Date: 23.JUN.2009 18:30:37

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | RF antenna conducted test | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/24 | Test Site | No.1 OATS |

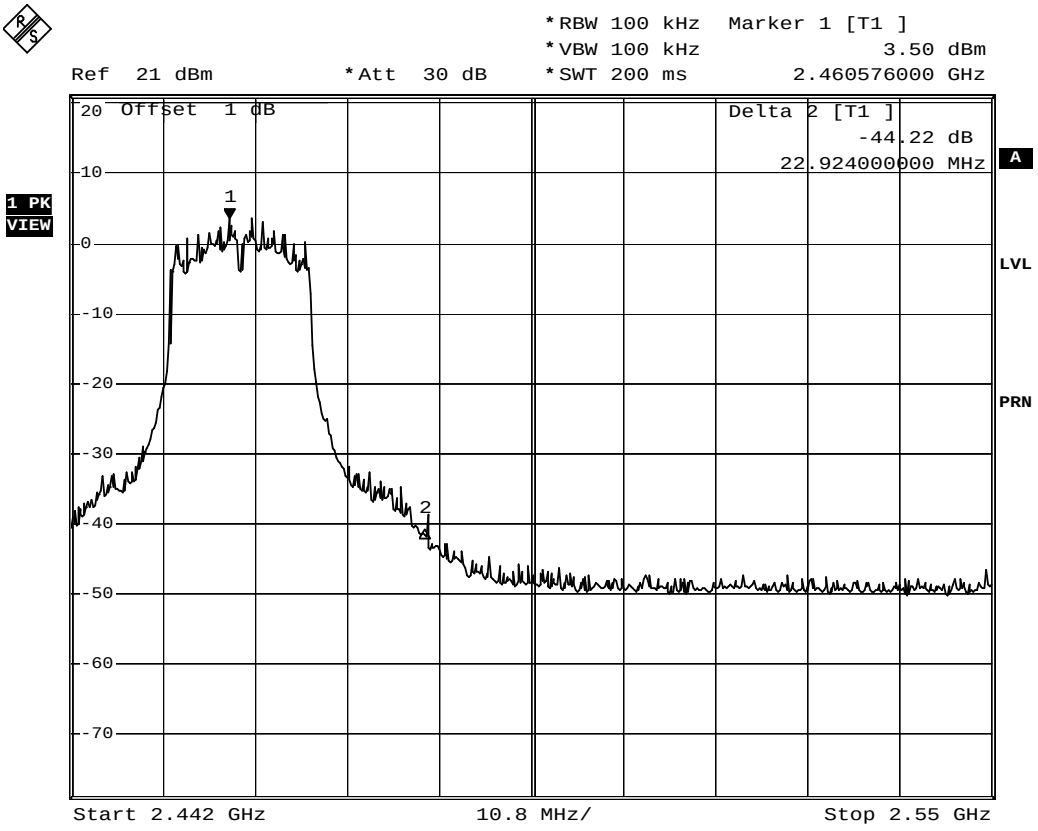
| IEEE 802.11g, Antenna Gain: 2dBi, Duty Cycle: 1 | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBc) | Limit (dBc) | Result |
| 1 | 2412 | 33.03 | ≥20 | Pass |
| 11 | 2462 | 44.22 | ≥20 | Pass |

**Channel 01 (2412MHz)**




Date: 24.JUN.2009 01:59:20

## Channel 11 (2462MHz)

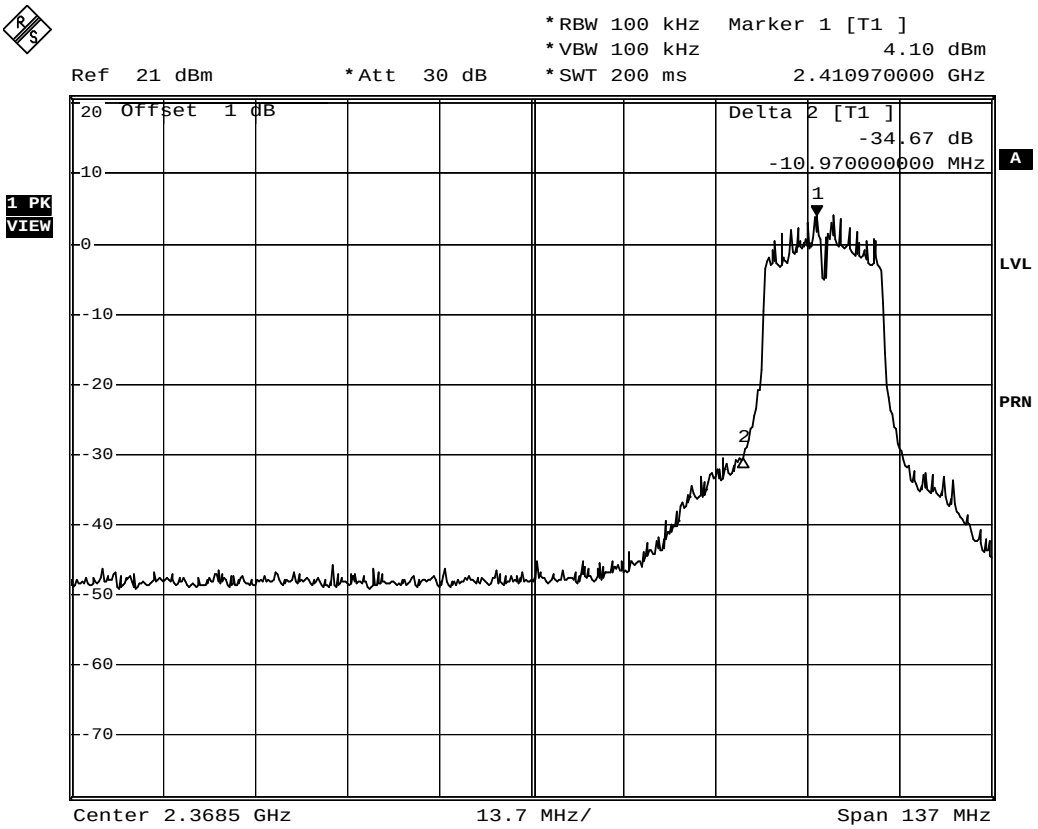



Date: 23.JUN.2009 18:31:50

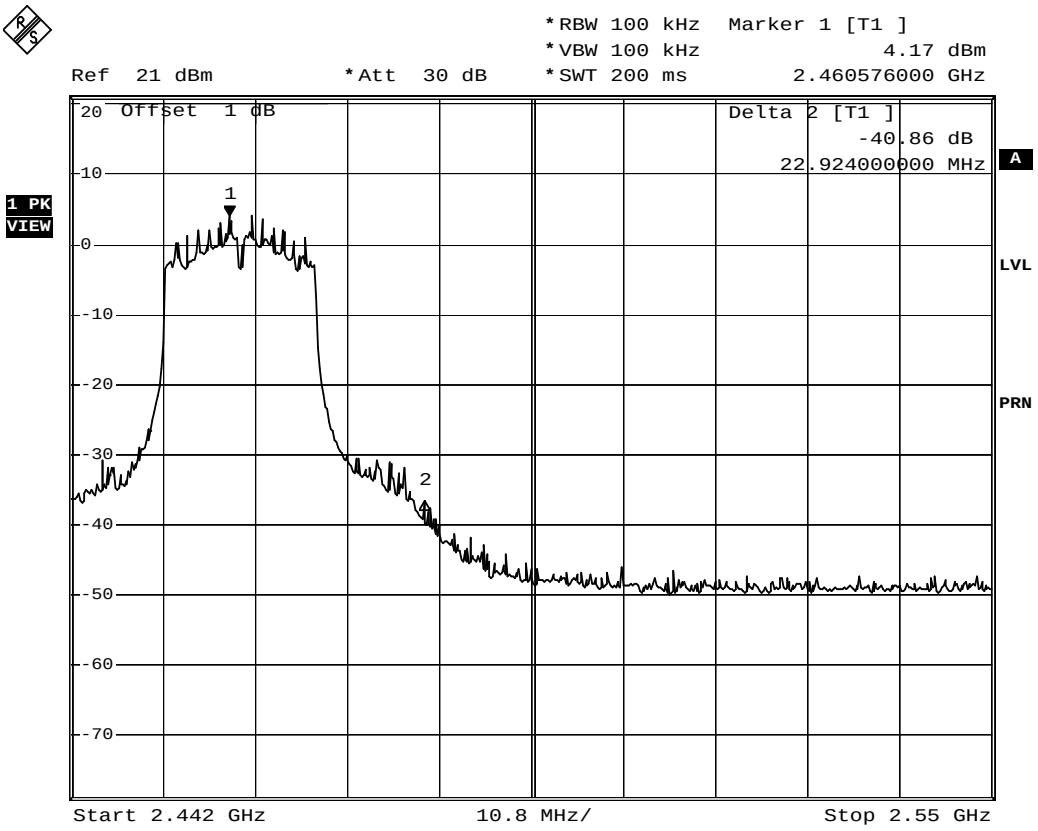
| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | RF antenna conducted test | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/24 | Test Site | No.1 OATS |

| IEEE 802.11n (ANT A (20MHz)), Antenna Gain: 2dBi, Duty Cycle: 1 | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBc) | Limit (dBc) | Result |
| 1 | 2412 | 34.67 | ≥20 | Pass |
| 11 | 2462 | 40.86 | ≥20 | Pass |

**Channel 1 (2412MHz)**



## Channel 11 (2462MHz)

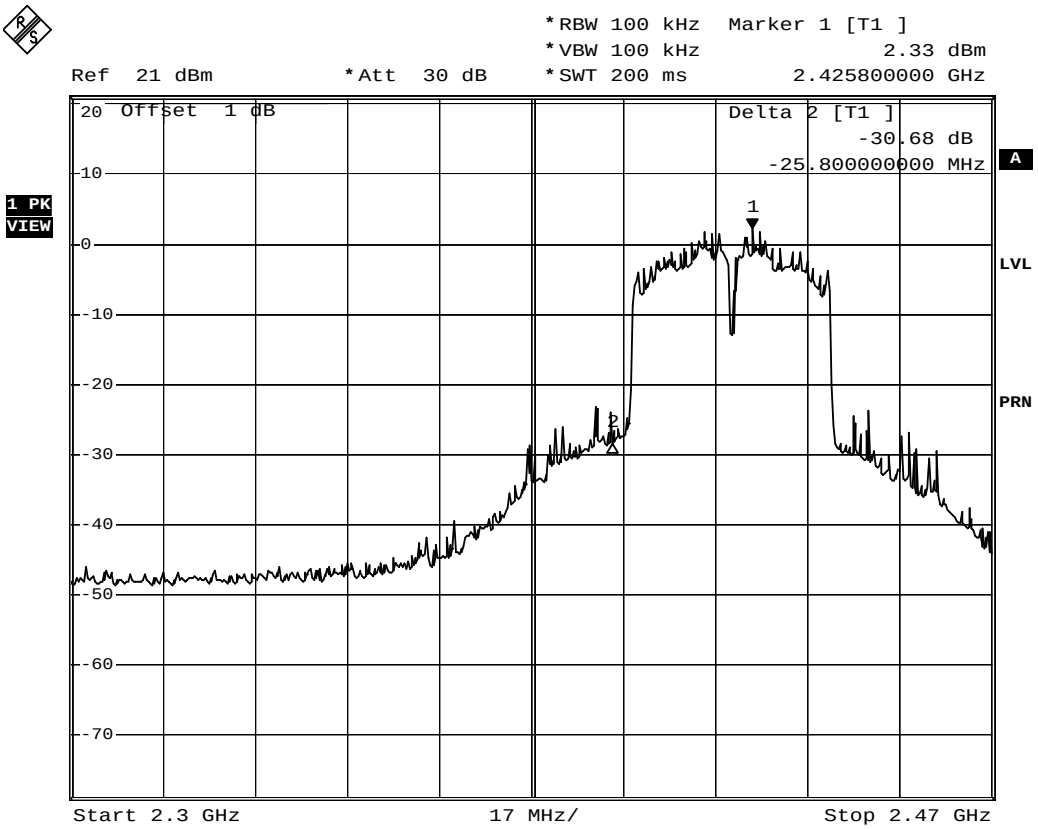



Date: 23.JUN.2009 18:33:04

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | RF antenna conducted test | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/24 | Test Site | No.1 OATS |

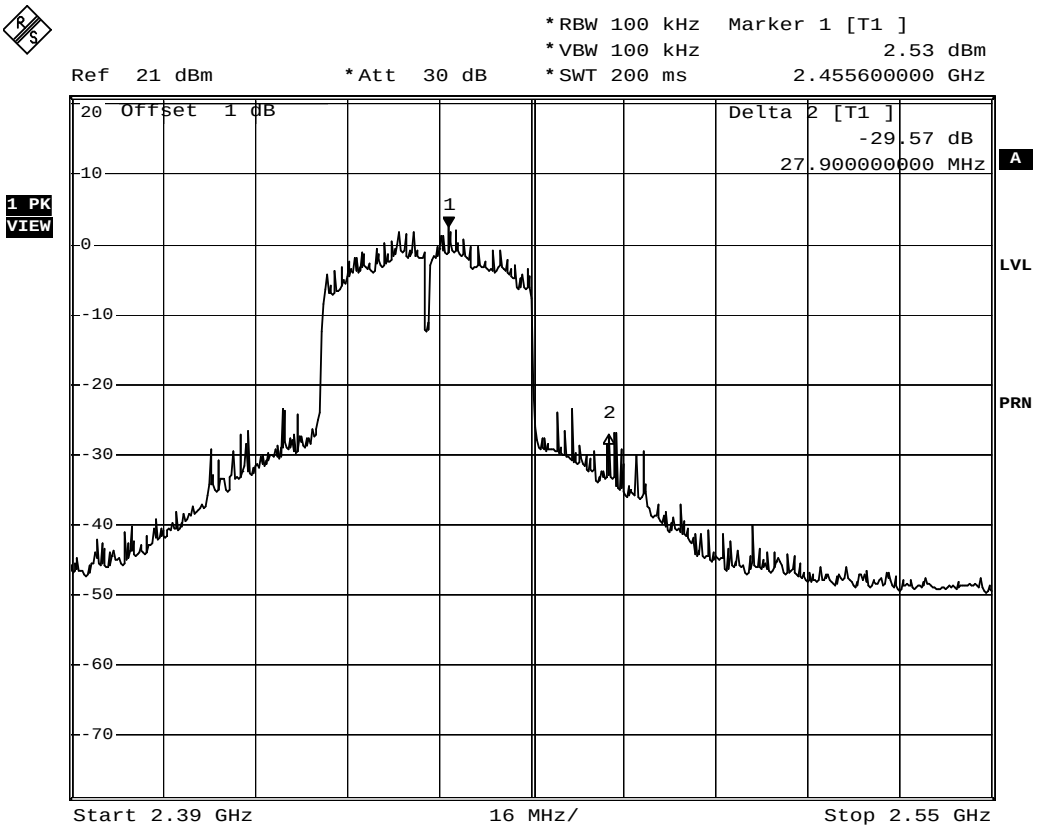
| IEEE 802.11n (ANT A (40MHz)), Antenna Gain: 2dBi, Duty Cycle: 1 | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | 25.80 | ≥20 | Pass |
| 9 | 2452 | 27.90 | ≥20 | Pass |

**Channel 3 (2422MHz)**




Date: 24.JUN.2009 02:06:59

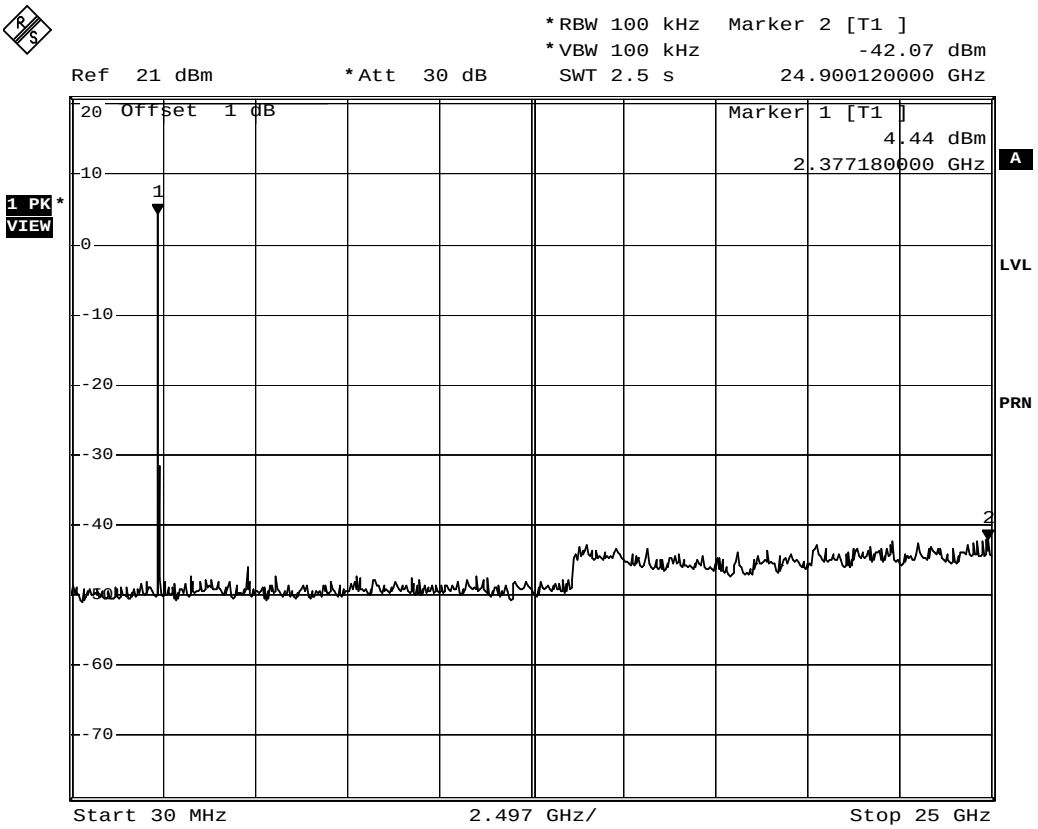
## Channel 9 (2452MHz)




Date: 23.JUN.2009 18:34:29

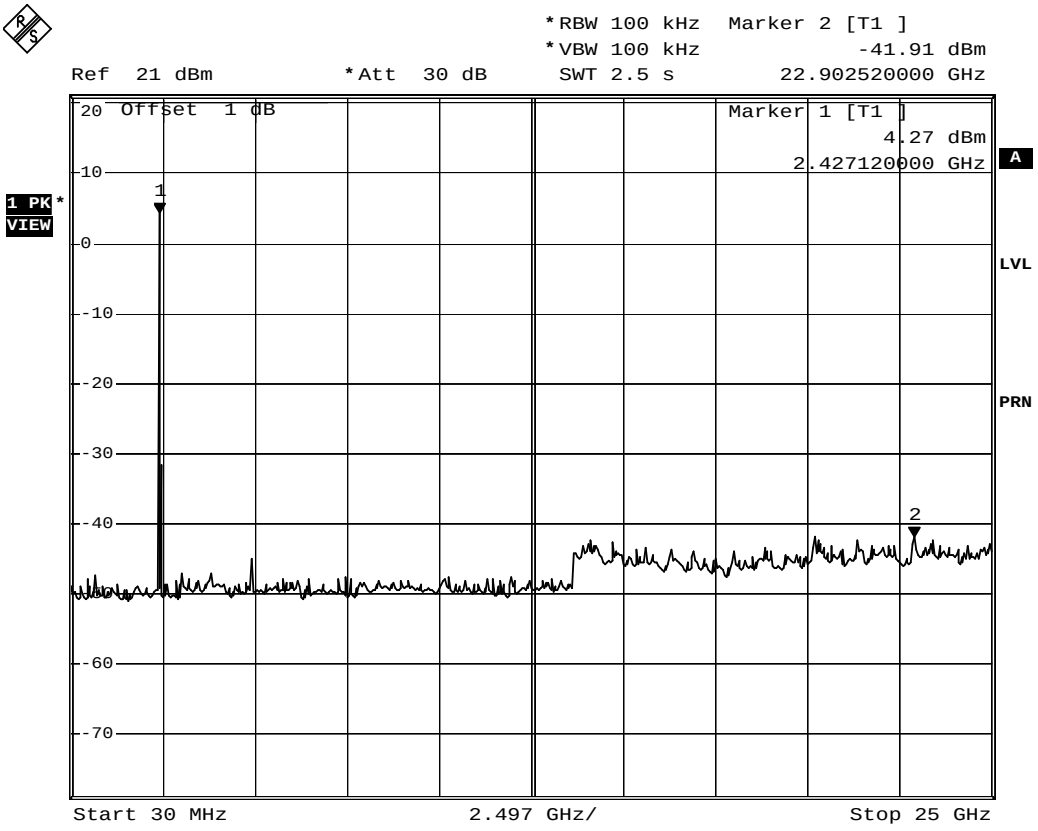
| Product | EZ N wireless router | | |
|---|---|---|---|
| Test Item | RF antenna conducted test | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/23 | Test Site | No.1 OATS |

**2412MHz (30MHz-2.5Gz)-B**



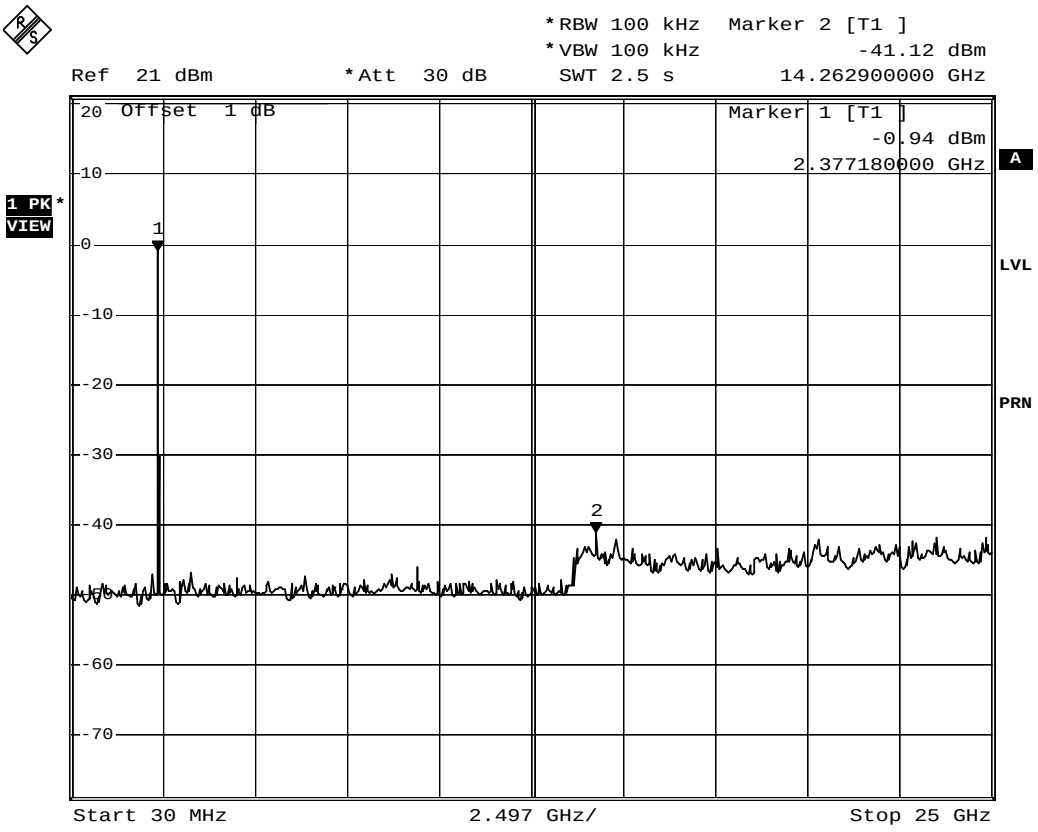

Date: 23.JUN.2009 20:37:17

## 2462MHz (30MHz-2.5Gz)-B



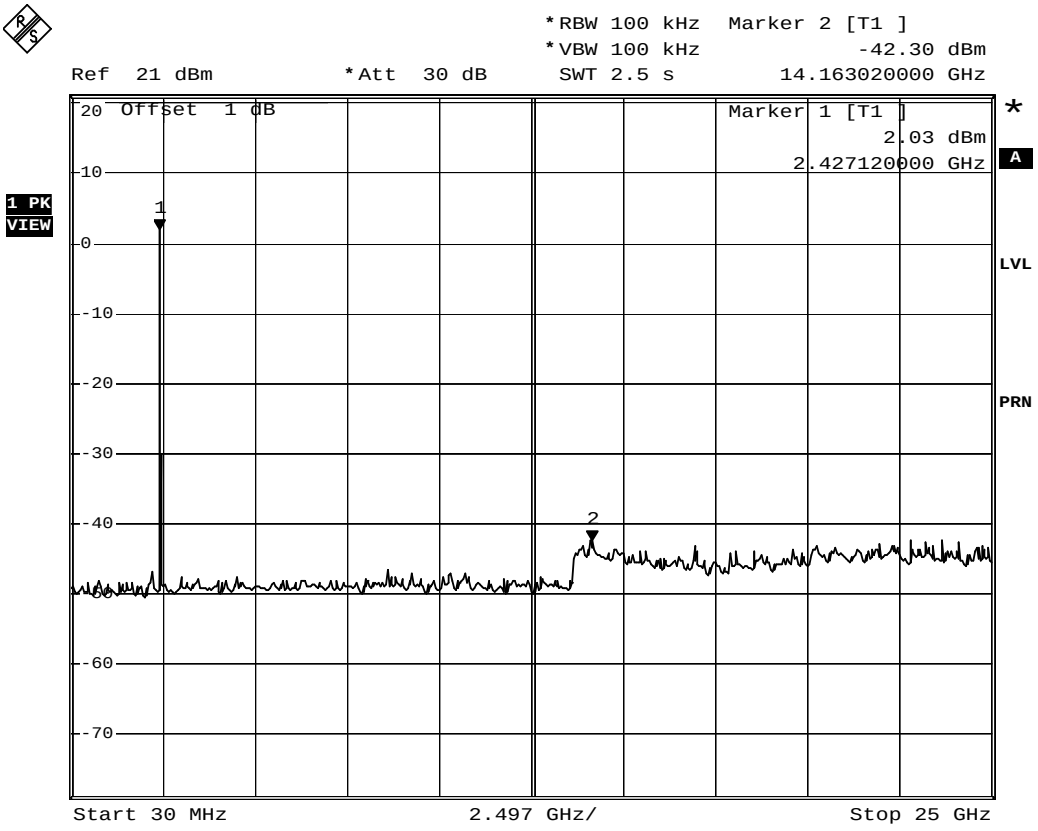

Date: 23.JUN.2009 20:40:04

## 2412MHz (30MHz-2.5GHz)-G



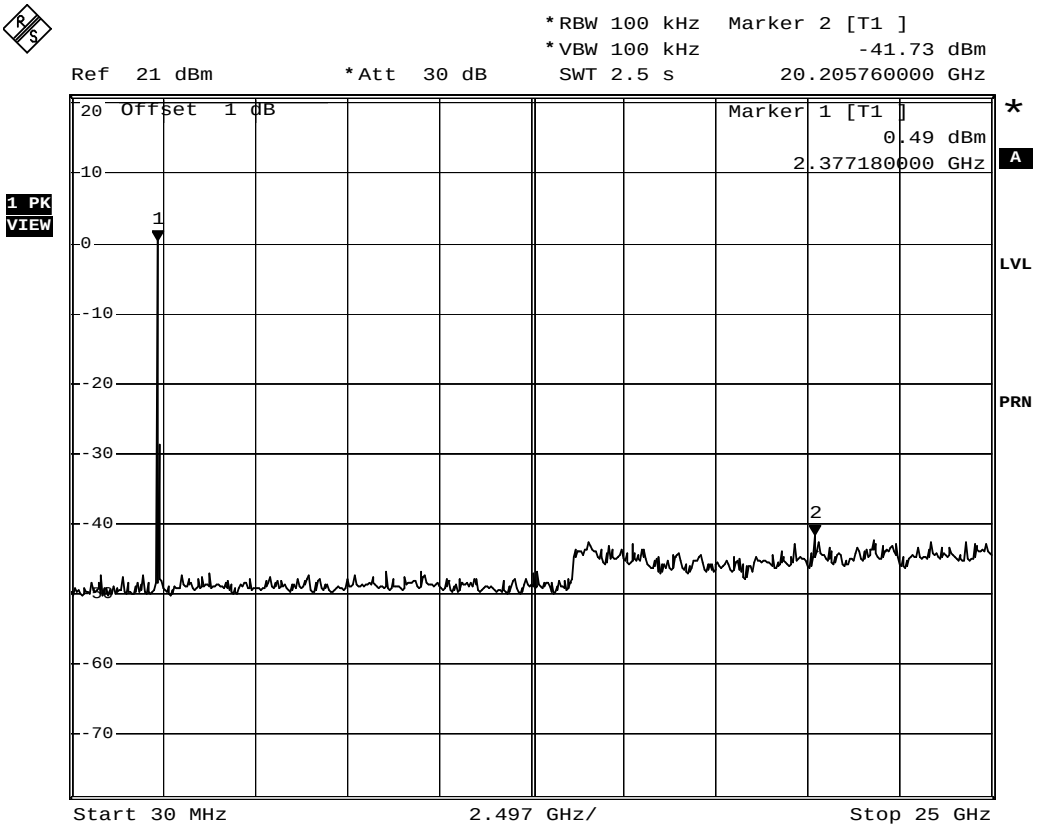

Date: 23.JUN.2009 20:49:01

## 2462MHz (30MHz-2.5GHz)-G



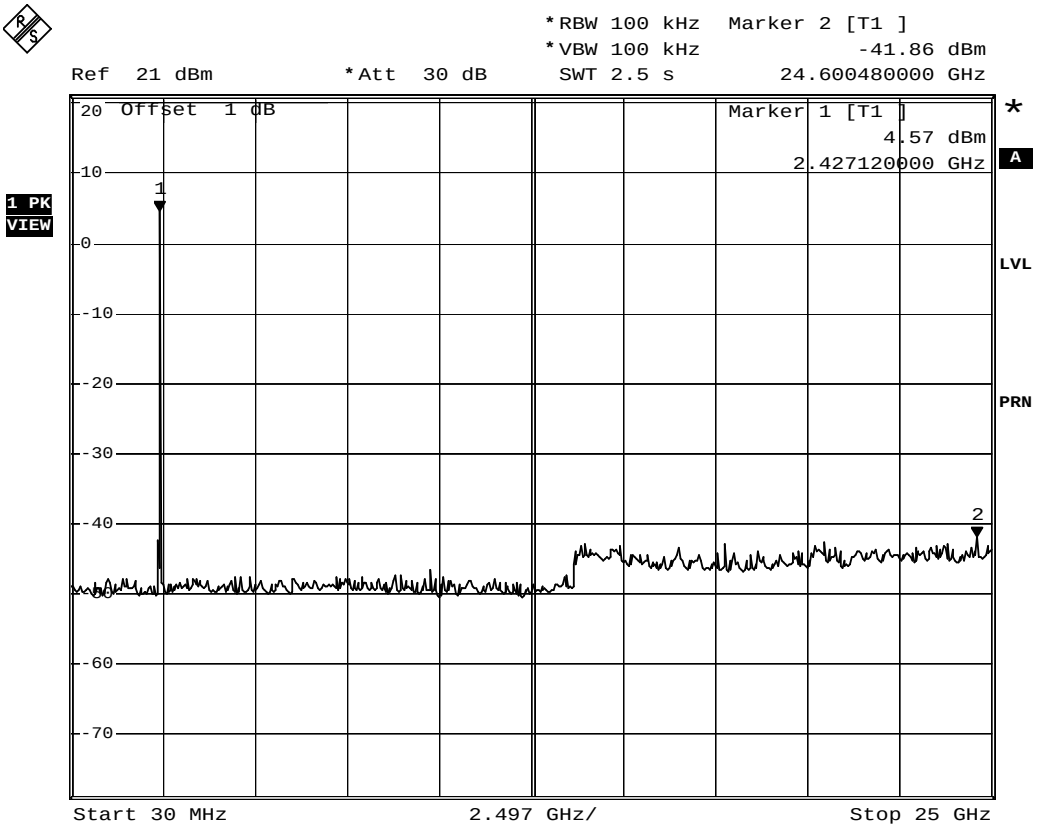

Date: 23.JUN.2009 20:54:15

## 2412MHz (30MHz-2.5Gz)-N (20M)



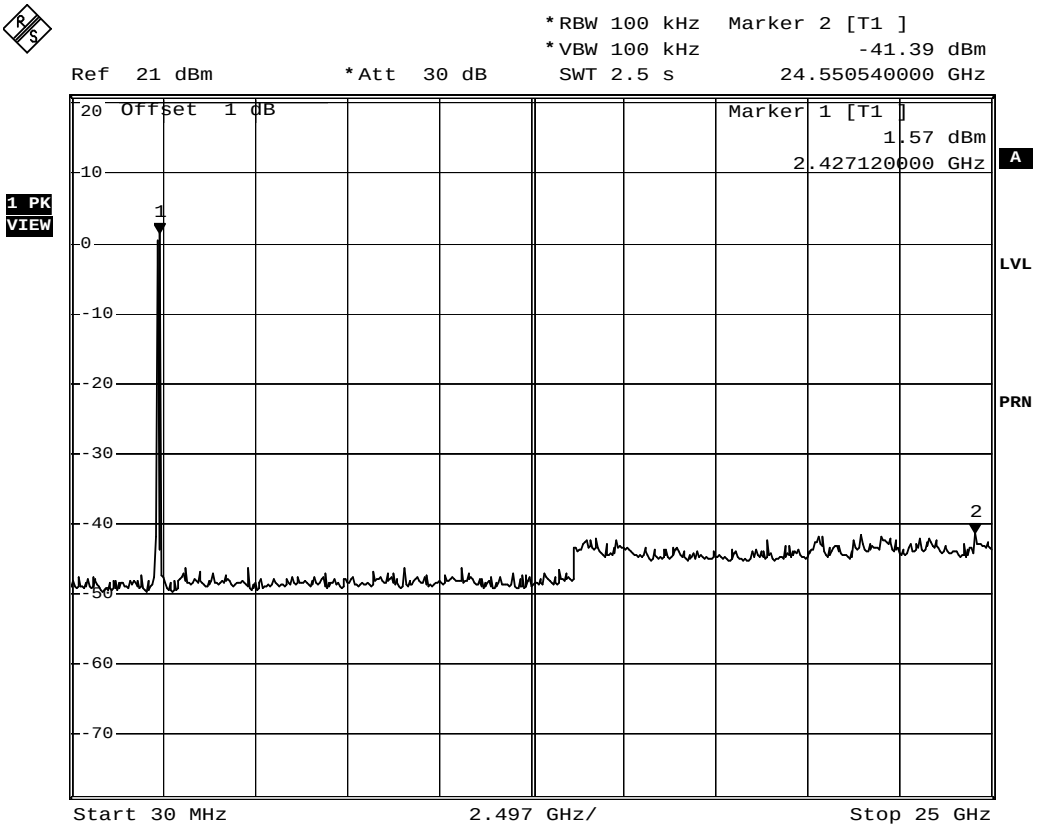

Date: 23.JUN.2009 21:02:00

## 2462MHz (30MHz-2.5Gz)-N (20M)



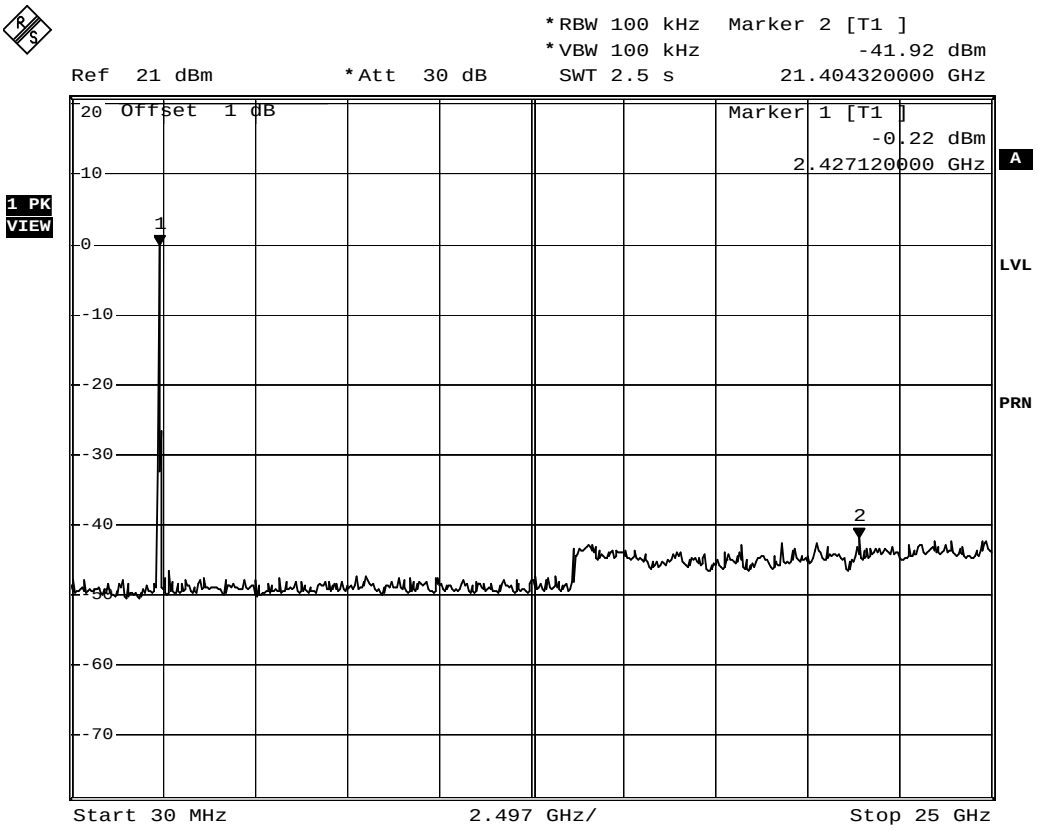

Date: 23.JUN.2009 21:04:12

## 2422MHz (30MHz-2.5Gz)-N (40M)




Date: 23.JUN.2009 21:15:48

## 2452MHz (30MHz-2.5Gz)-N (40M)




Date: 23.JUN.2009 21:20:44

# 6. Radiated Emission Band Edge

## 6.1. Test Equipment

The following test equipments are used during the test:

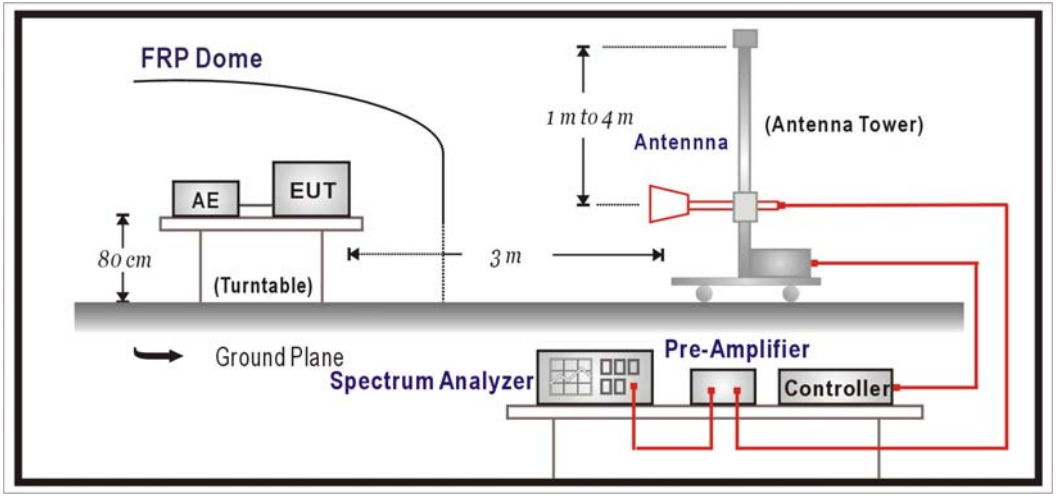
| RF Radiated Measurement: | | | | | |
|---|---|---|---|---|---|
| Item | Equipment | | Manufacturer | Model No. / Serial No. | Last Cal. |
| 1 | X | Spectrum Analyzer | R & S | FSP40 / 100005 | Aug., 2008 |
| 2 | X | Pre-Amplifier | HP | 8449B / 3008A01123 | Feb., 2009 |
| 3 | | Loop Antenna | R & S | HFH2-Z2 / 833799/004 | Sep., 2008 |
| 4 | | BiconiLog Antenna | Schwarzbeck | VULB 9166 / 1061 | Sep., 2008 |
| 5 | | Bilog Antenna | Chase | CBL6112B / 2455 | Sep., 2008 |
| 6 | X | Horn Antenna | Schwarzbeck | BBHA 9120D / BBHA9120D312 | Sep., 2008 |
| 7 | No.1 OATS | | | | Sep., 2008 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

2. Test instruments are marked with “X” are used to measure the final test results.

## 6.2. Test Setup

RF Radiated Measurement:



## 6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

## 6.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

## 6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2008

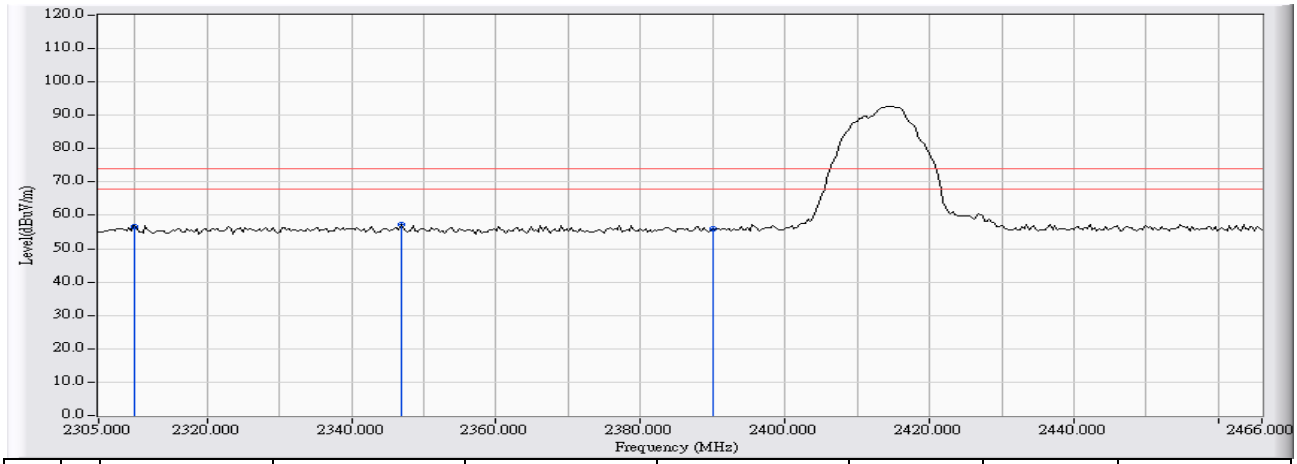
## 6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

## 6.7. Test Result

**Radiated is defined as**

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:38** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

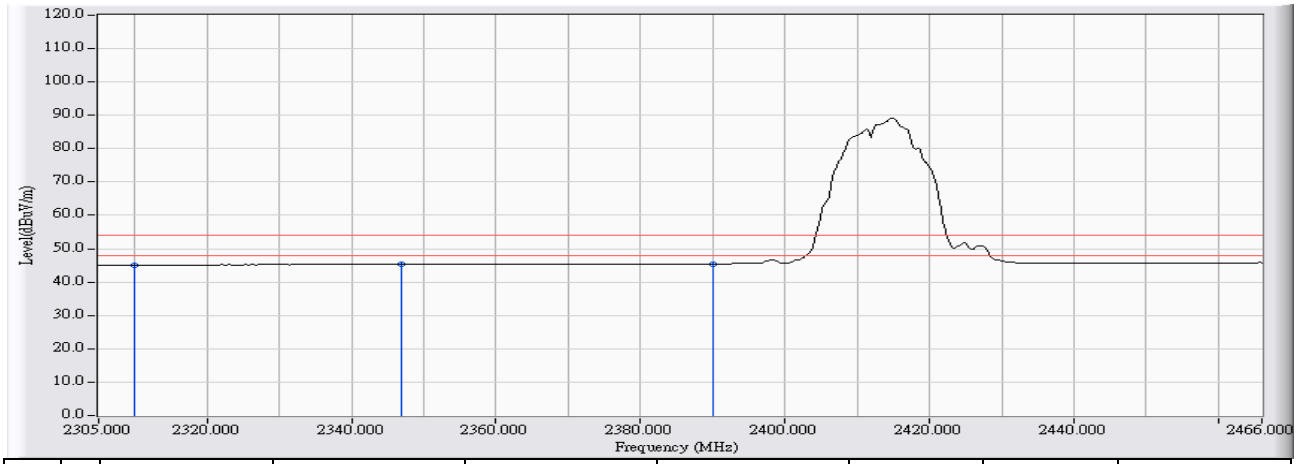



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 25.034 | 56.691 | -17.309 | 74.000 | PEAK |
| 2 | * | 2346.860 | 31.827 | 25.325 | 57.151 | -16.849 | 74.000 | PEAK |
| 3 | | 2390.000 | 32.036 | 23.954 | 55.990 | -18.010 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:40** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

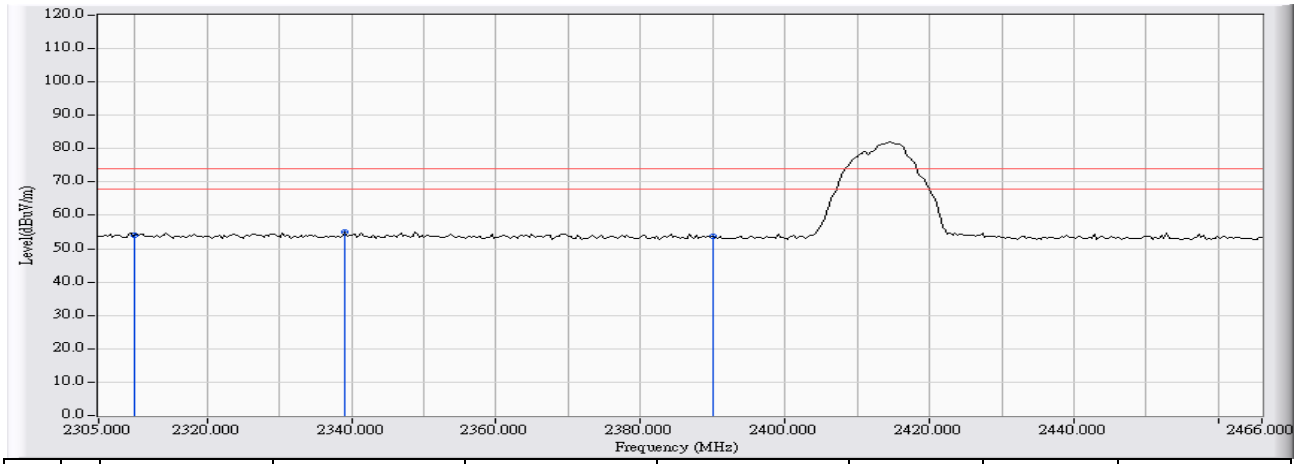



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 13.517 | 45.174 | -8.826 | 54.000 | AVERAGE |
| 2 | | 2346.860 | 31.827 | 13.415 | 45.241 | -8.759 | 54.000 | AVERAGE |
| 3 | * | 2390.000 | 32.036 | 13.439 | 45.475 | -8.525 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:49** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

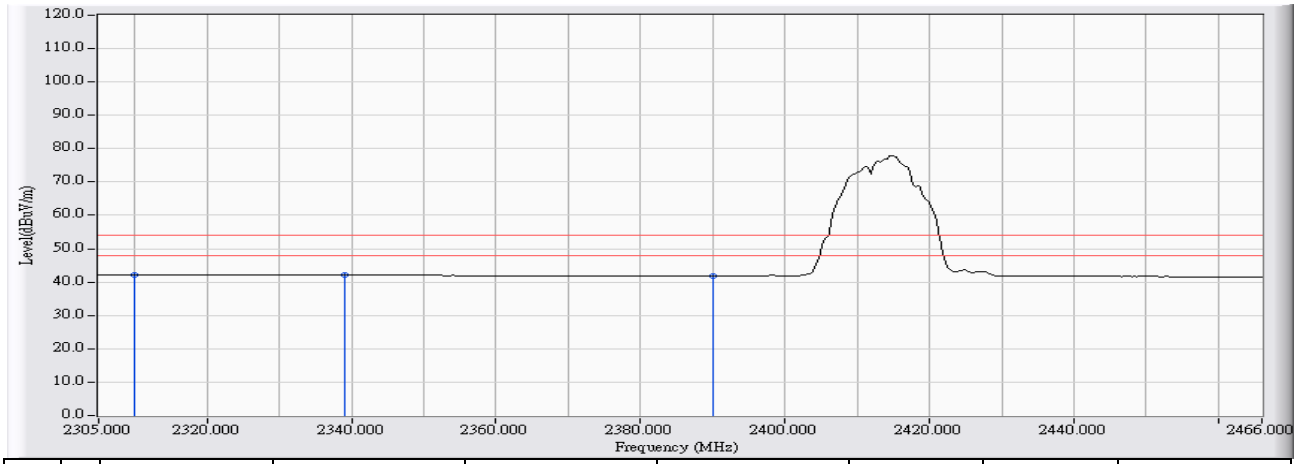



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 28.738 | 25.361 | 54.098 | -19.902 | 74.000 | PEAK |
| 2 | * | 2339.132 | 28.634 | 26.239 | 54.873 | -19.127 | 74.000 | PEAK |
| 3 | | 2390.000 | 28.470 | 25.150 | 53.620 | -20.380 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:50** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-B** |

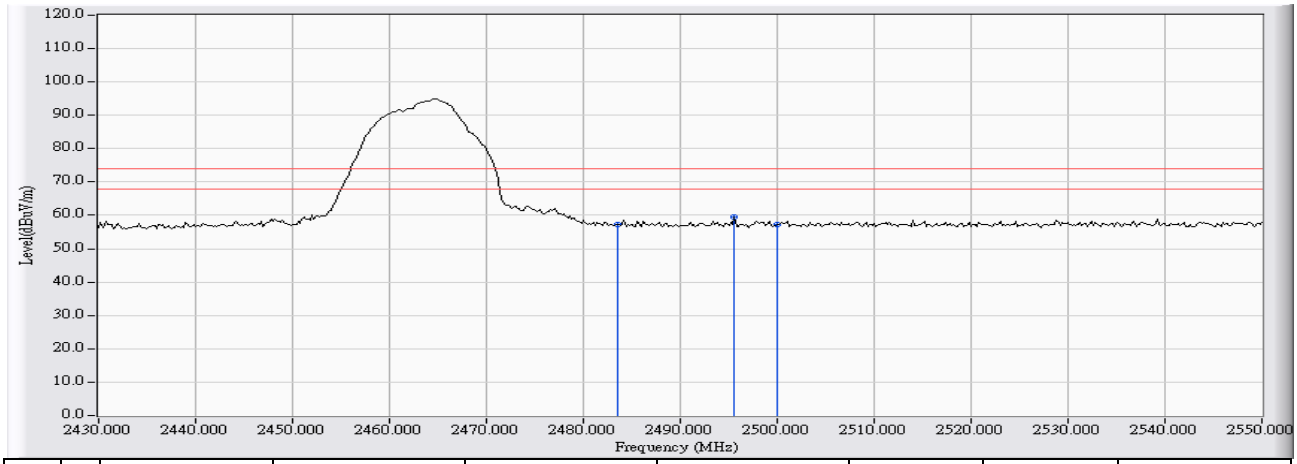



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2310.000 | 28.738 | 13.503 | 42.240 | -11.760 | 54.000 | AVERAGE |
| 2 | | 2339.132 | 28.634 | 13.431 | 42.065 | -11.935 | 54.000 | AVERAGE |
| 3 | | 2390.000 | 28.470 | 13.416 | 41.886 | -12.114 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 17:02** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

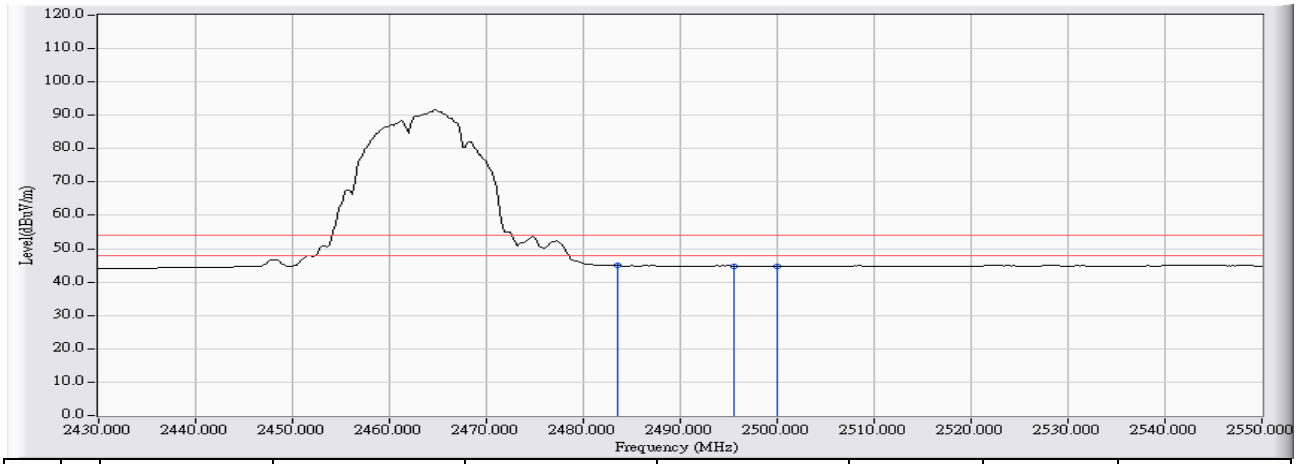



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 32.480 | 24.755 | 57.235 | -16.765 | 74.000 | PEAK |
| 2 | * | 2495.600 | 32.539 | 26.953 | 59.492 | -14.508 | 74.000 | PEAK |
| 3 | | 2500.000 | 32.557 | 24.734 | 57.292 | -16.708 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 17:03** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

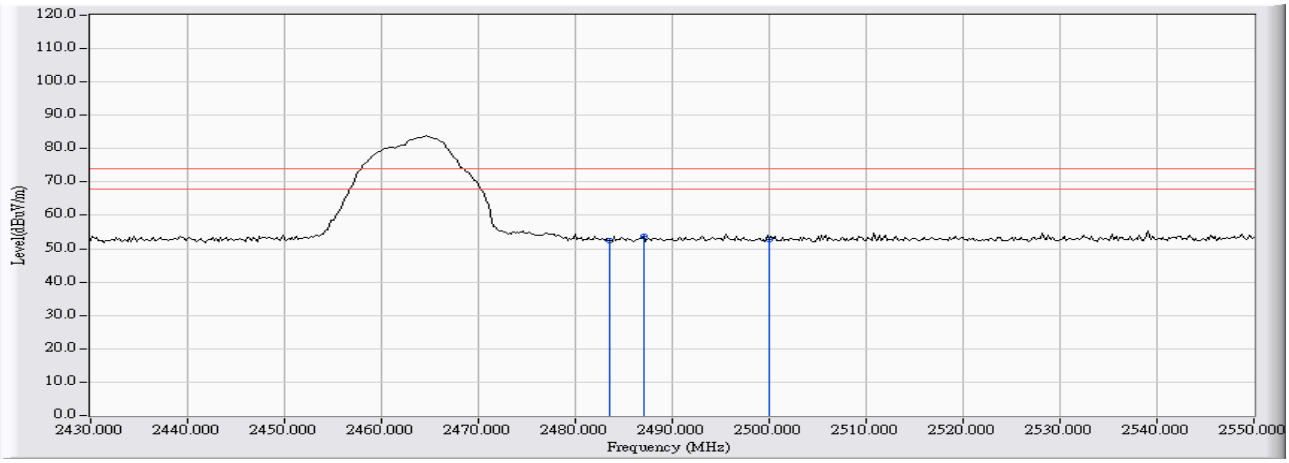



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 32.480 | 12.503 | 44.983 | -9.017 | 54.000 | AVERAGE |
| 2 | | 2495.600 | 32.539 | 12.332 | 44.871 | -9.129 | 54.000 | AVERAGE |
| 3 | | 2500.000 | 32.557 | 12.307 | 44.865 | -9.135 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:13** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

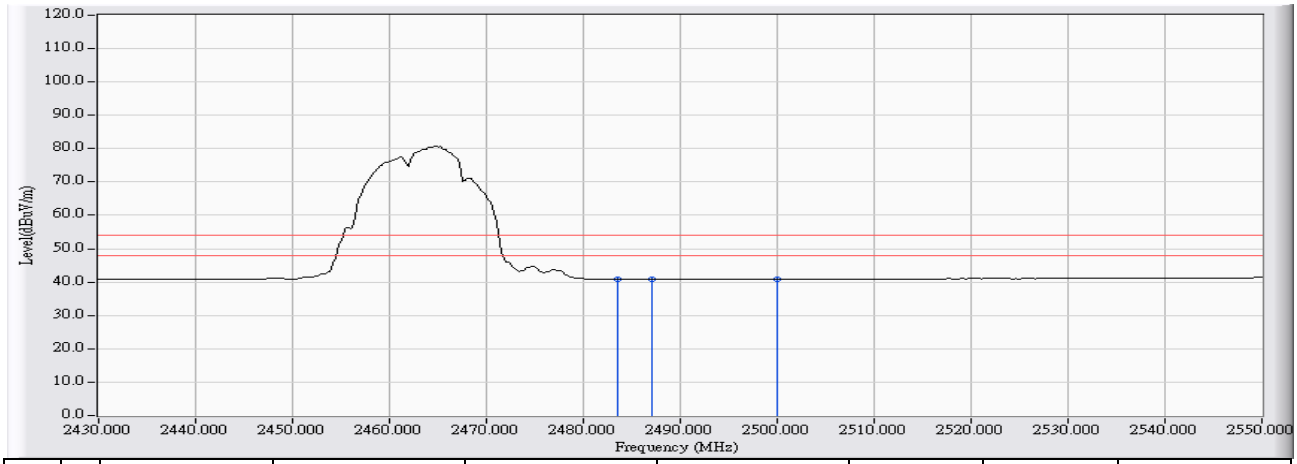



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 28.156 | 24.327 | 52.482 | -21.518 | 74.000 | PEAK |
| 2 | * | 2487.000 | 28.142 | 25.609 | 53.751 | -20.249 | 74.000 | PEAK |
| 3 | | 2500.000 | 28.142 | 24.511 | 52.653 | -21.347 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:17** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-B** |

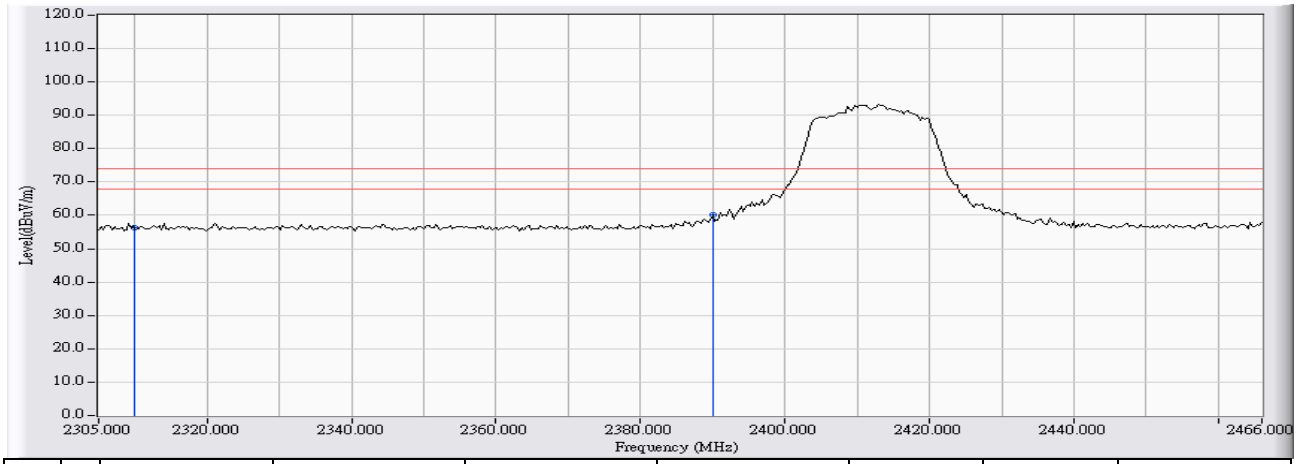



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 28.156 | 12.737 | 40.892 | -13.108 | 54.000 | AVERAGE |
| 2 | | 2487.000 | 28.142 | 12.735 | 40.877 | -13.123 | 54.000 | AVERAGE |
| 3 | * | 2500.000 | 28.142 | 12.753 | 40.895 | -13.105 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:42** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

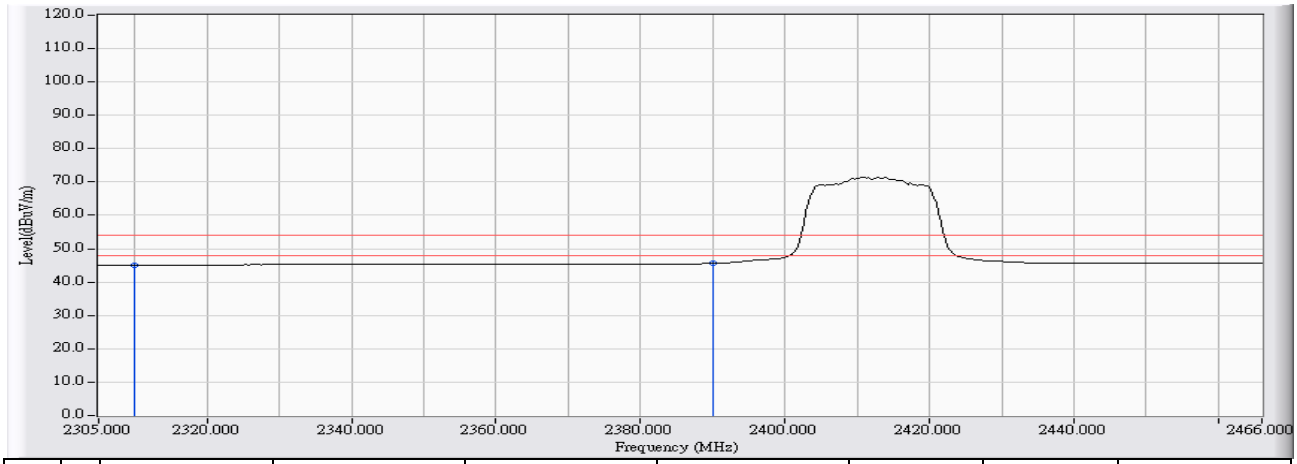



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 24.624 | 56.281 | -17.719 | 74.000 | PEAK |
| 2 | * | 2390.000 | 32.036 | 28.132 | 60.168 | -13.832 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:43** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

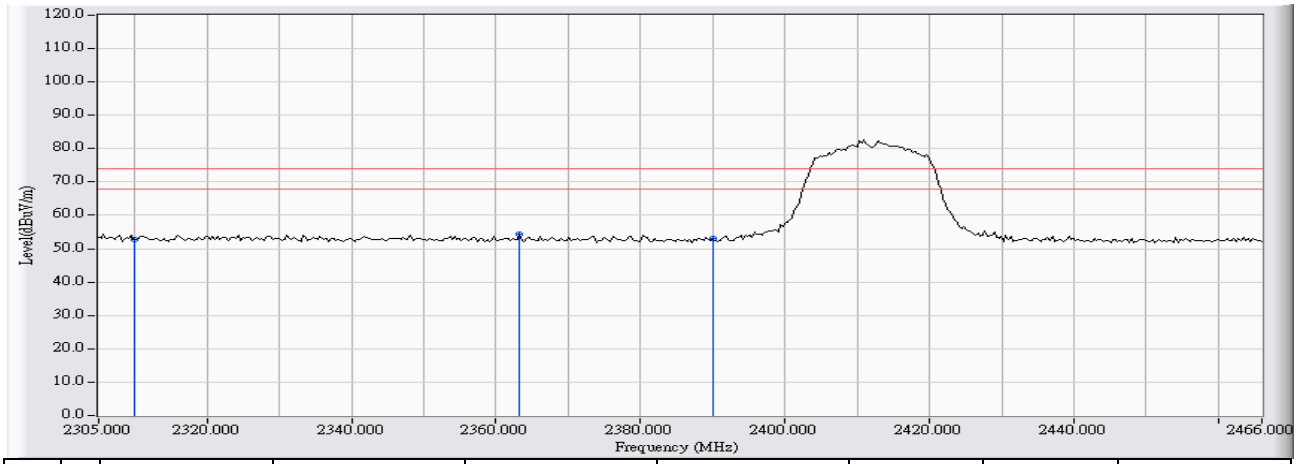



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 13.503 | 45.160 | -8.840 | 54.000 | AVERAGE |
| 2 | * | 2390.000 | 32.036 | 13.561 | 45.597 | -8.403 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:51** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

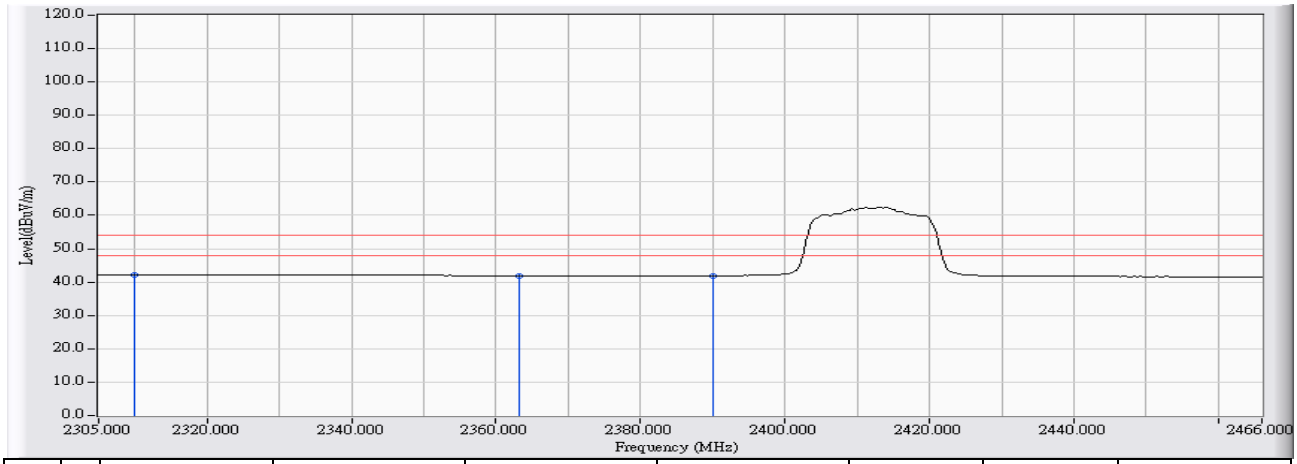



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 28.738 | 24.066 | 52.803 | -21.197 | 74.000 | PEAK |
| 2 | * | 2363.282 | 28.556 | 25.659 | 54.215 | -19.785 | 74.000 | PEAK |
| 3 | | 2390.000 | 28.470 | 24.589 | 53.059 | -20.941 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 11:53** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-G** |

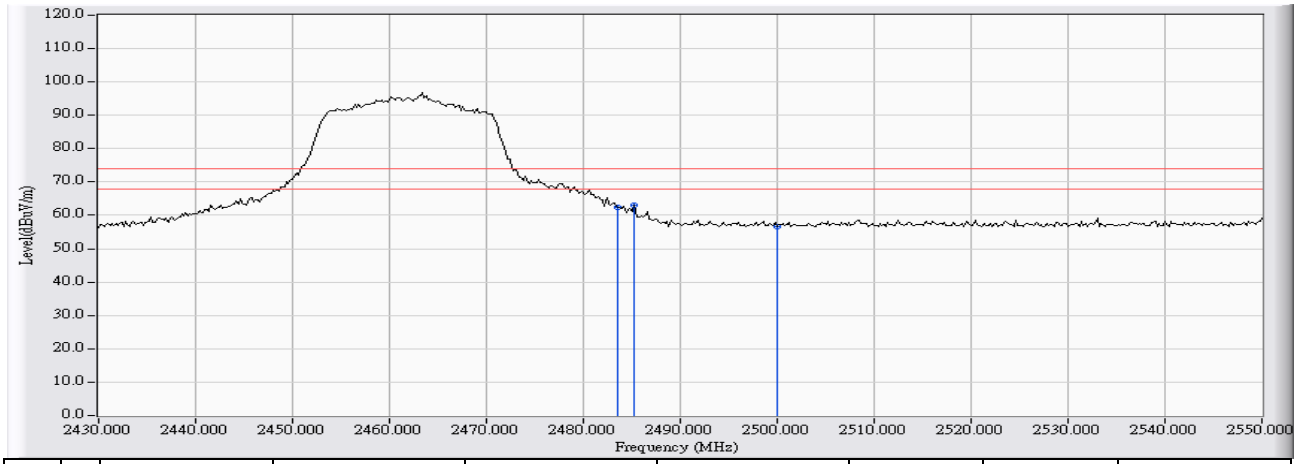



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2310.000 | 28.738 | 13.521 | 42.258 | -11.742 | 54.000 | AVERAGE |
| 2 | | 2363.282 | 28.556 | 13.368 | 41.924 | -12.076 | 54.000 | AVERAGE |
| 3 | | 2390.000 | 28.470 | 13.423 | 41.893 | -12.107 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 17:06** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

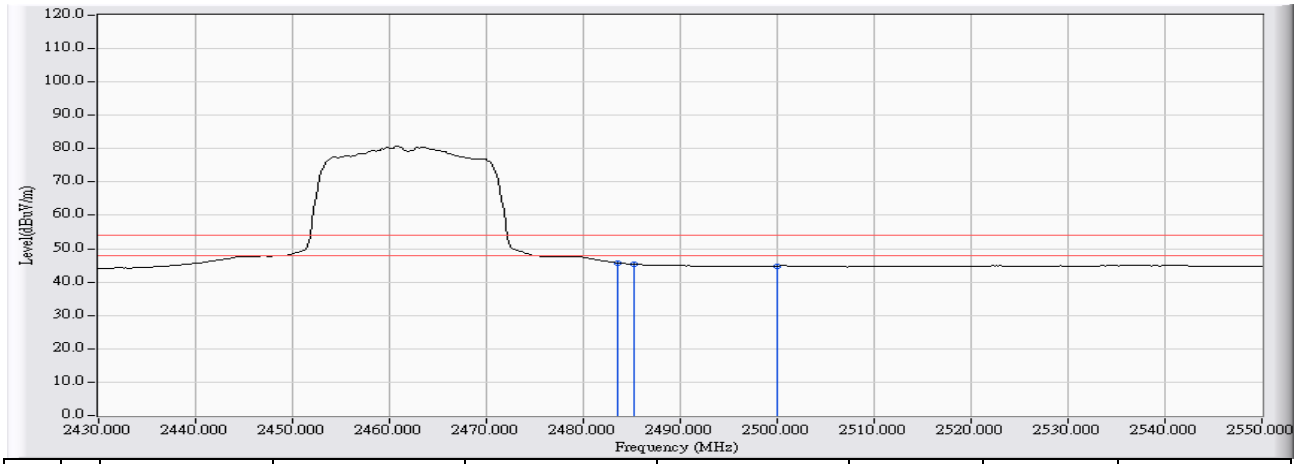



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 32.480 | 29.964 | 62.444 | -11.556 | 74.000 | PEAK |
| 2 | * | 2485.200 | 32.489 | 30.727 | 63.215 | -10.785 | 74.000 | PEAK |
| 3 | | 2500.000 | 32.557 | 24.144 | 56.702 | -17.298 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 17:07** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

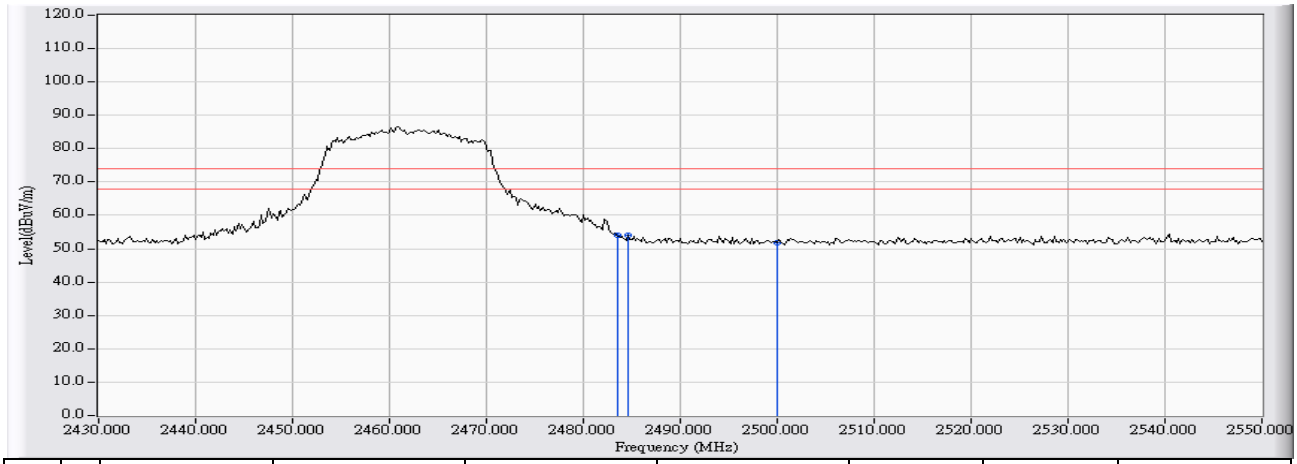



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 32.480 | 13.318 | 45.798 | -8.202 | 54.000 | AVERAGE |
| 2 | | 2485.200 | 32.489 | 12.836 | 45.324 | -8.676 | 54.000 | AVERAGE |
| 3 | | 2500.000 | 32.557 | 12.296 | 44.854 | -9.146 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:18** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

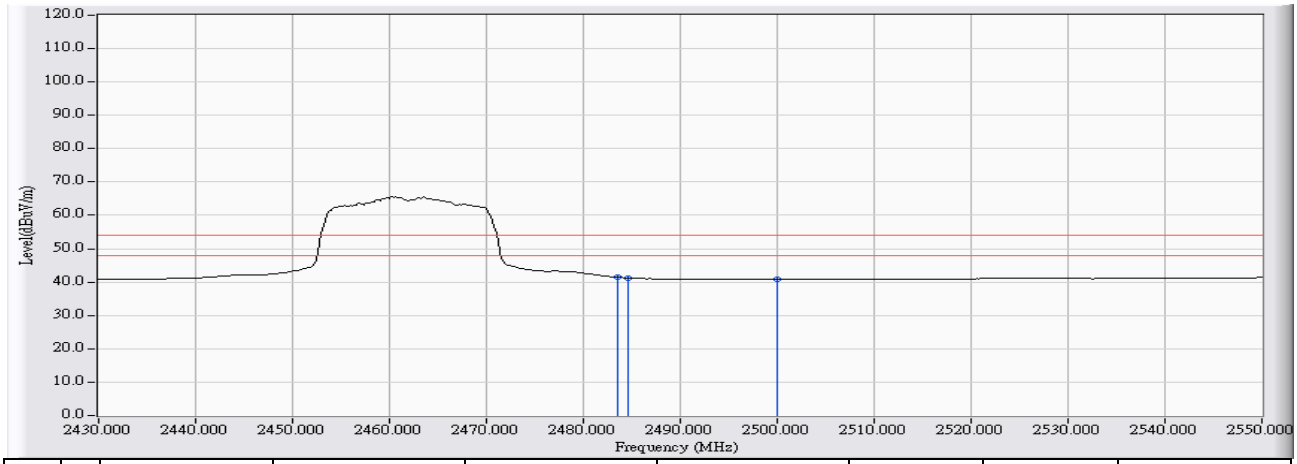



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 28.156 | 26.002 | 54.157 | -19.843 | 74.000 | PEAK |
| 2 | * | 2484.600 | 28.151 | 26.027 | 54.178 | -19.822 | 74.000 | PEAK |
| 3 | | 2500.000 | 28.142 | 23.629 | 51.771 | -22.229 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:19** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-G** |

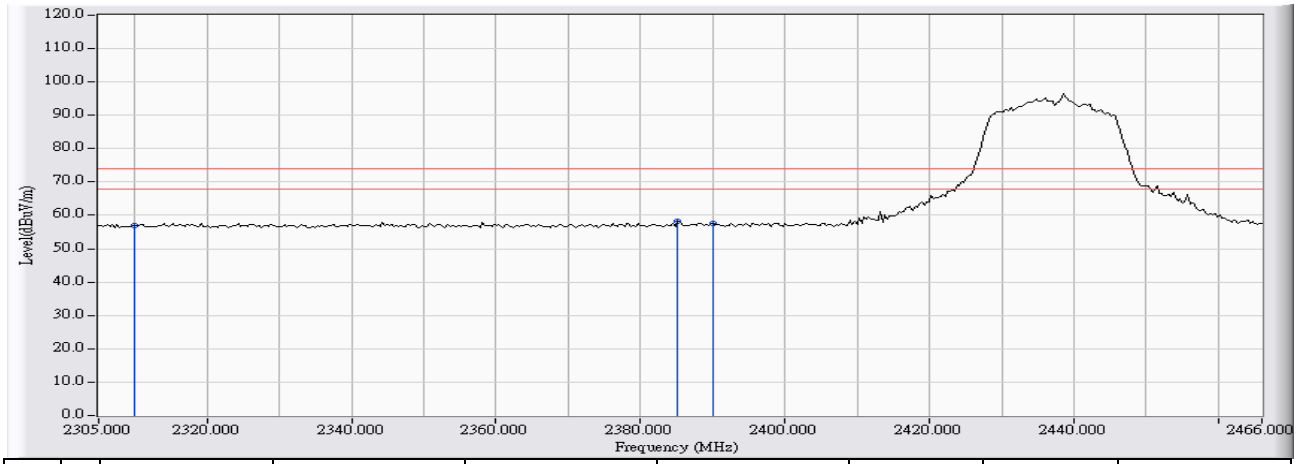



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 28.156 | 13.287 | 41.442 | -12.558 | 54.000 | AVERAGE |
| 2 | | 2484.600 | 28.151 | 13.083 | 41.234 | -12.766 | 54.000 | AVERAGE |
| 3 | | 2500.000 | 28.142 | 12.751 | 40.893 | -13.107 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 12:01** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-N(20M)** |

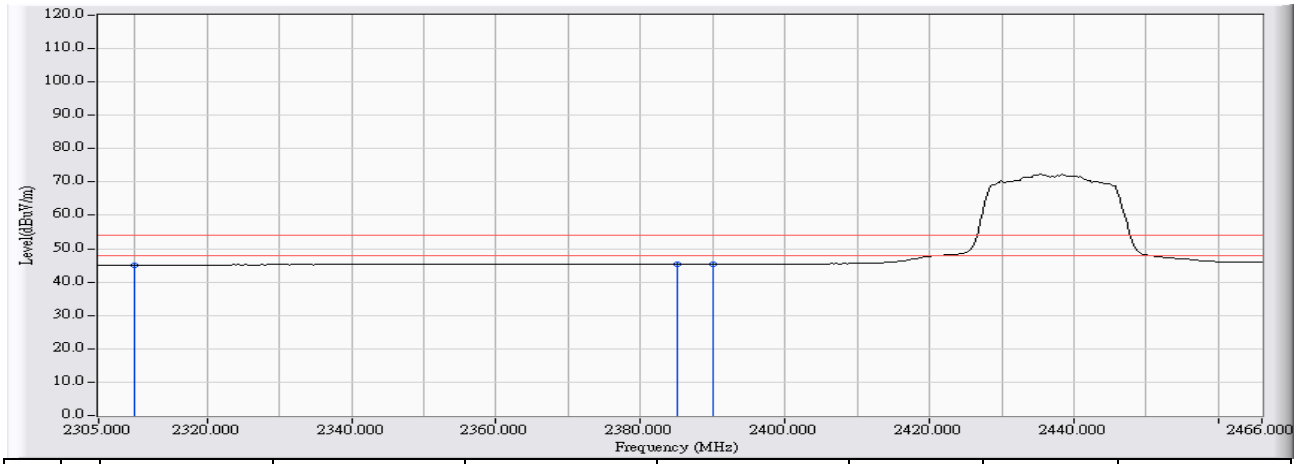



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 25.217 | 56.874 | -17.126 | 74.000 | PEAK |
| 2 | * | 2385.178 | 32.013 | 26.161 | 58.173 | -15.827 | 74.000 | PEAK |
| 3 | | 2390.000 | 32.036 | 25.487 | 57.523 | -16.477 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 12:02** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-N(20M)** |

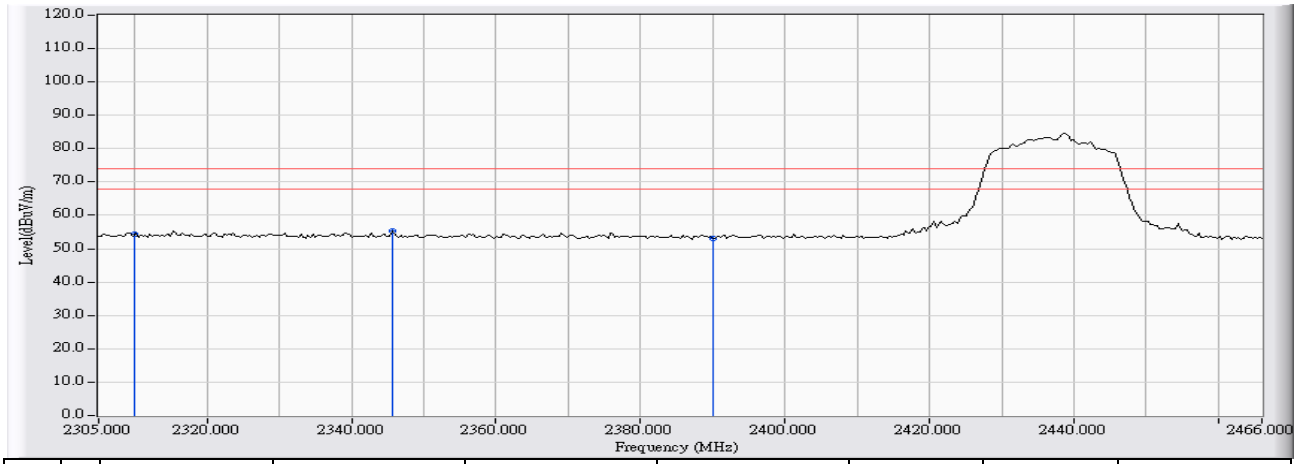



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 13.503 | 45.160 | -8.840 | 54.000 | AVERAGE |
| 2 | | 2385.178 | 32.013 | 13.382 | 45.394 | -8.606 | 54.000 | AVERAGE |
| 3 | * | 2390.000 | 32.036 | 13.400 | 45.436 | -8.564 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 13:10** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-N(20M)** |

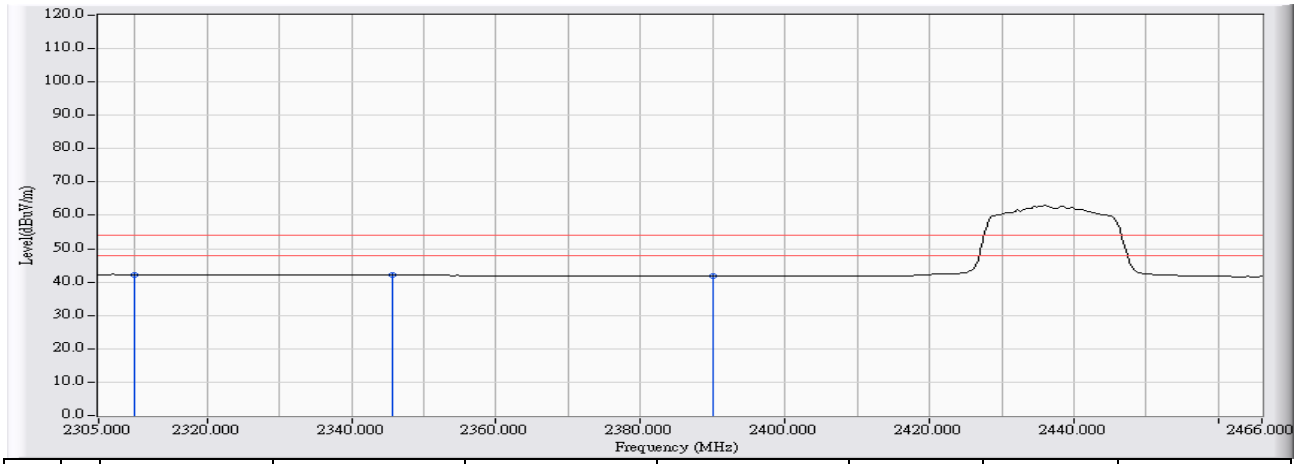



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 28.738 | 25.580 | 54.317 | -19.683 | 74.000 | PEAK |
| 2 | * | 2345.572 | 28.613 | 26.566 | 55.179 | -18.821 | 74.000 | PEAK |
| 3 | | 2390.000 | 28.470 | 24.694 | 53.164 | -20.836 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 13:12** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2412MHz-N(20M)** |

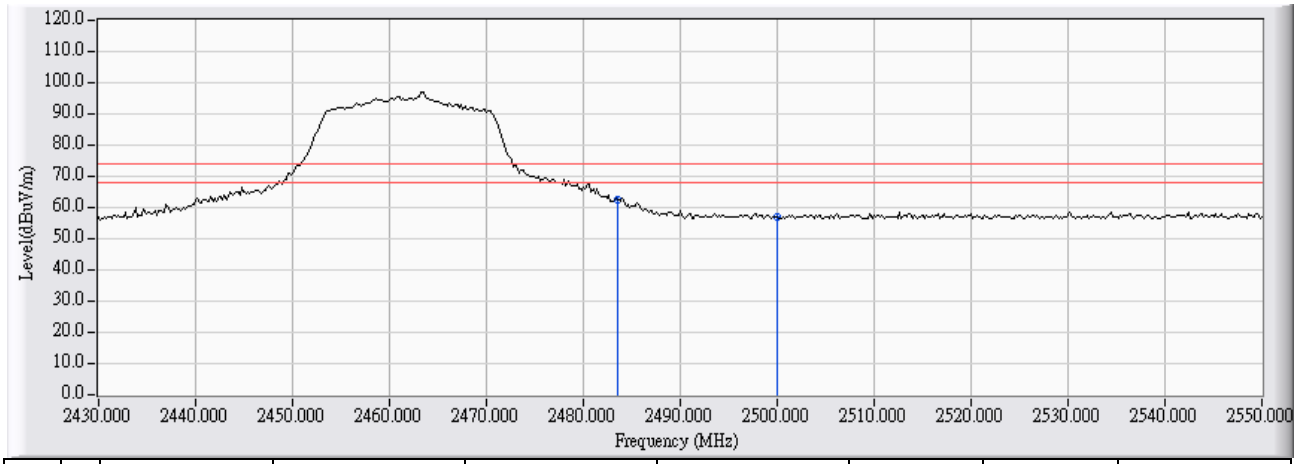



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2310.000 | 28.738 | 13.506 | 42.243 | -11.757 | 54.000 | AVERAGE |
| 2 | | 2345.572 | 28.613 | 13.447 | 42.060 | -11.940 | 54.000 | AVERAGE |
| 3 | | 2390.000 | 28.470 | 13.425 | 41.895 | -12.105 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/25 - 21:08** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-N(20M)** |

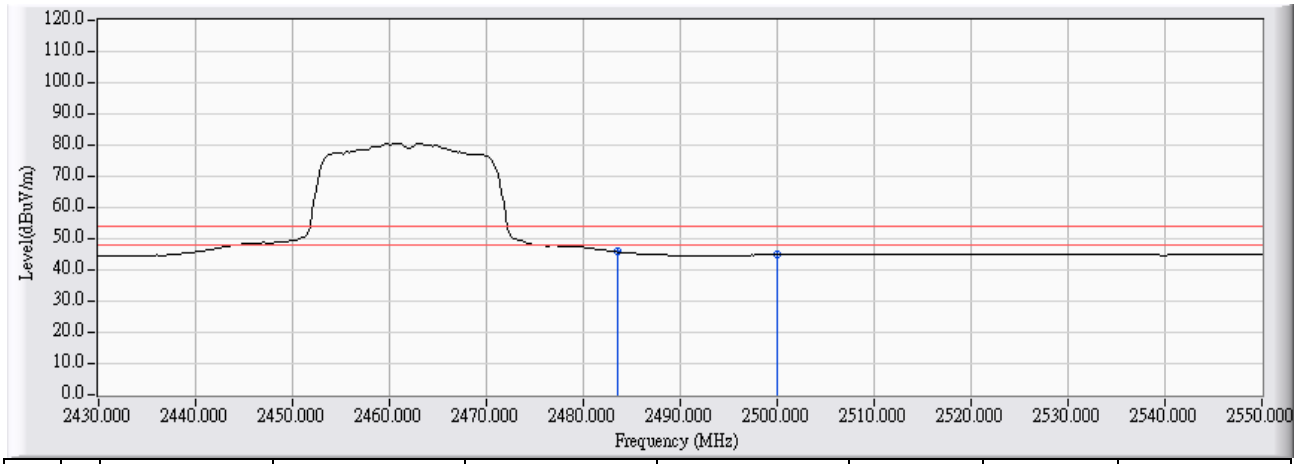



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 32.480 | 30.223 | 62.703 | -11.297 | 74.000 | PEAK |
| 2 | | 2500.000 | 32.557 | 24.357 | 56.915 | -17.085 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/25 - 21:08** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-N(20M)** |

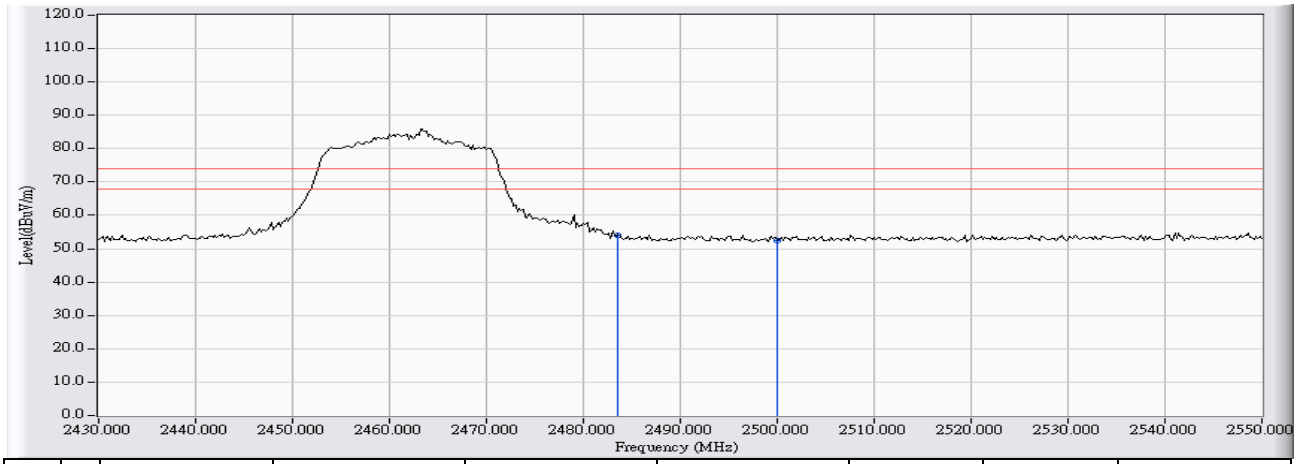



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 32.480 | 13.306 | 45.786 | -8.214 | 54.000 | AVERAGE |
| 2 | | 2500.000 | 32.557 | 12.337 | 44.895 | -9.105 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:20** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-N(20M)** |

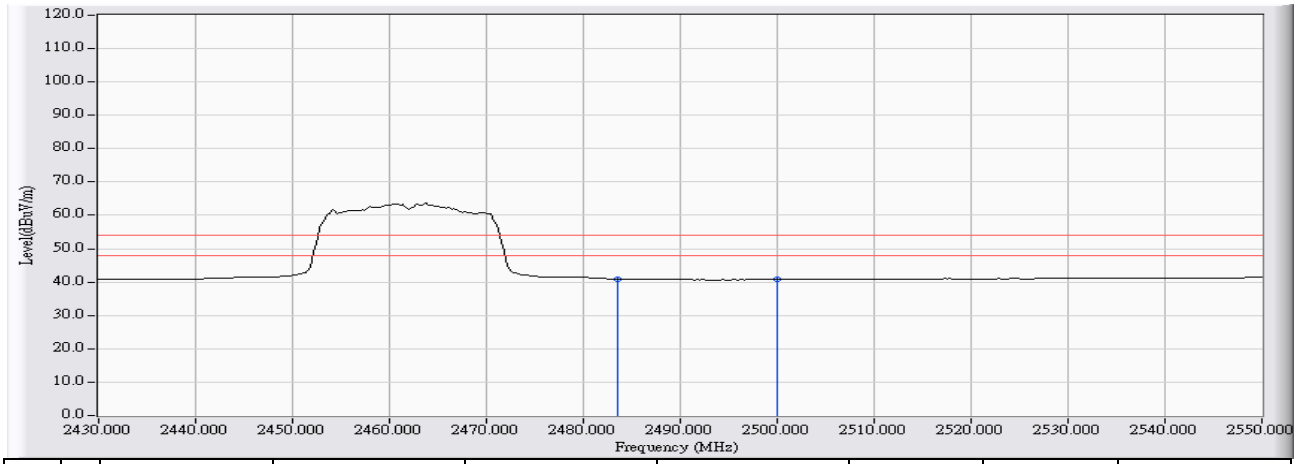



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 28.156 | 25.787 | 53.942 | -20.058 | 74.000 | PEAK |
| 2 | | 2500.000 | 28.142 | 24.324 | 52.466 | -21.534 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:21** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2462MHz-N(20M)** |

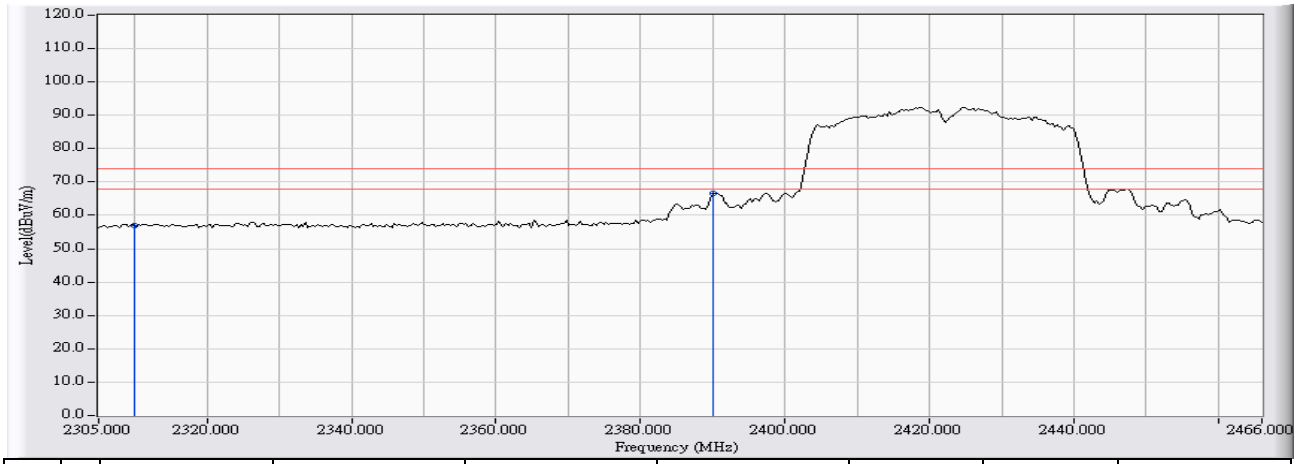



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 28.156 | 12.779 | 40.934 | -13.066 | 54.000 | AVERAGE |
| 2 | | 2500.000 | 28.142 | 12.628 | 40.770 | -13.230 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 13:22** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2422MHz-N(40M)** |

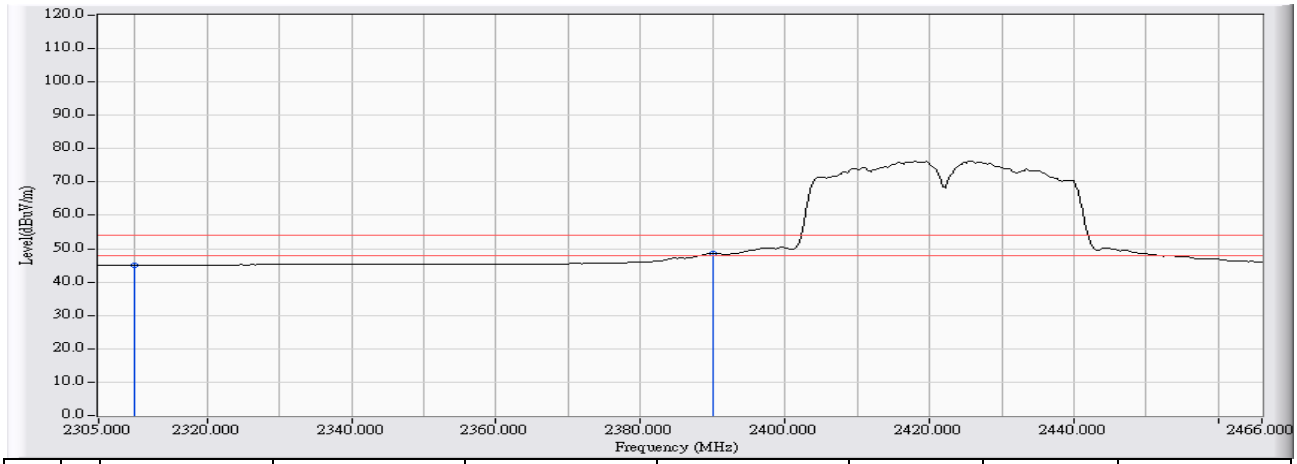



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 25.292 | 56.949 | -17.051 | 74.000 | PEAK |
| 2 | * | 2390.000 | 32.036 | 34.559 | 66.595 | -7.405 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 13:23** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2422MHz-N(40M)** |

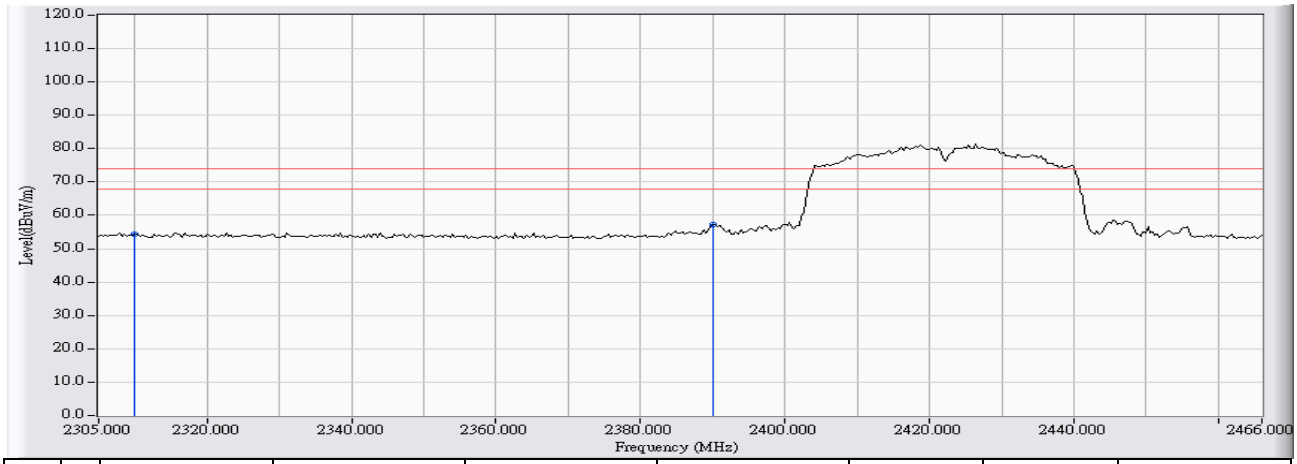



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 31.658 | 13.491 | 45.148 | -8.852 | 54.000 | AVERAGE |
| 2 | * | 2390.000 | 32.036 | 16.438 | 48.474 | -5.526 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 13:29** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2422MHz-N(40M)** |

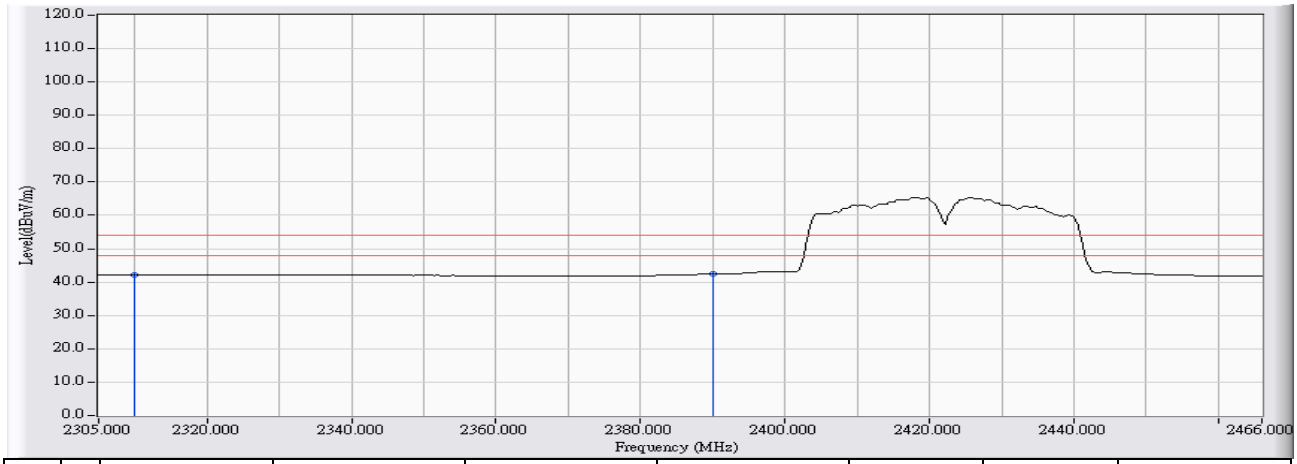



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 28.738 | 25.490 | 54.227 | -19.773 | 74.000 | PEAK |
| 2 | * | 2390.000 | 28.470 | 28.715 | 57.185 | -16.815 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 13:31** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2422MHz-N(40M)** |

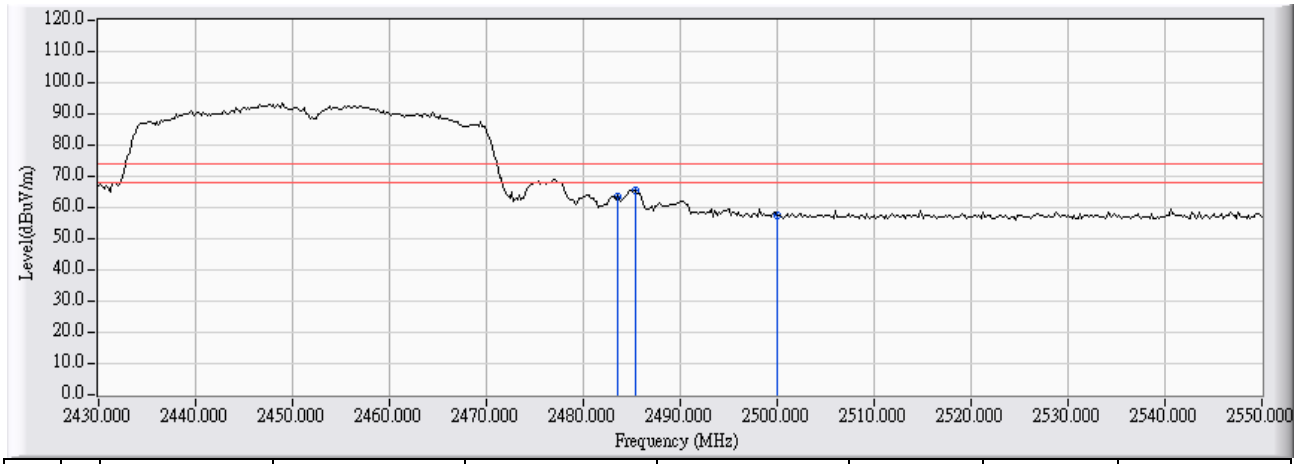



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2310.000 | 28.738 | 13.488 | 42.225 | -11.775 | 54.000 | AVERAGE |
| 2 | * | 2390.000 | 28.470 | 14.046 | 42.516 | -11.484 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/25 - 21:30** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |

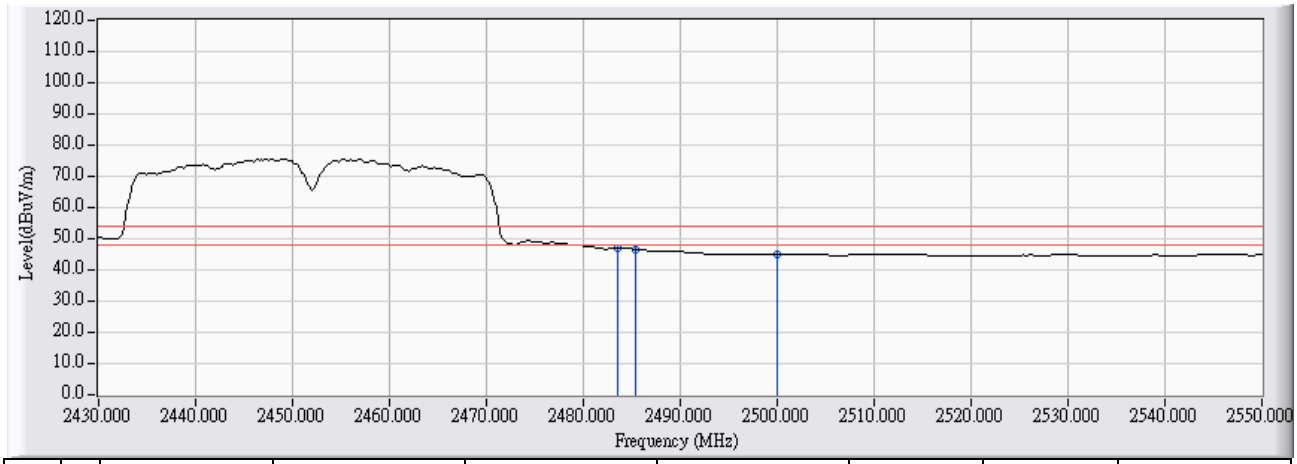



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 32.480 | 30.805 | 63.285 | -10.715 | 74.000 | PEAK |
| 2 | * | 2485.400 | 32.489 | 32.799 | 65.288 | -8.712 | 74.000 | PEAK |
| 3 | | 2500.000 | 32.557 | 24.845 | 57.403 | -16.597 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/25 - 21:31** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |

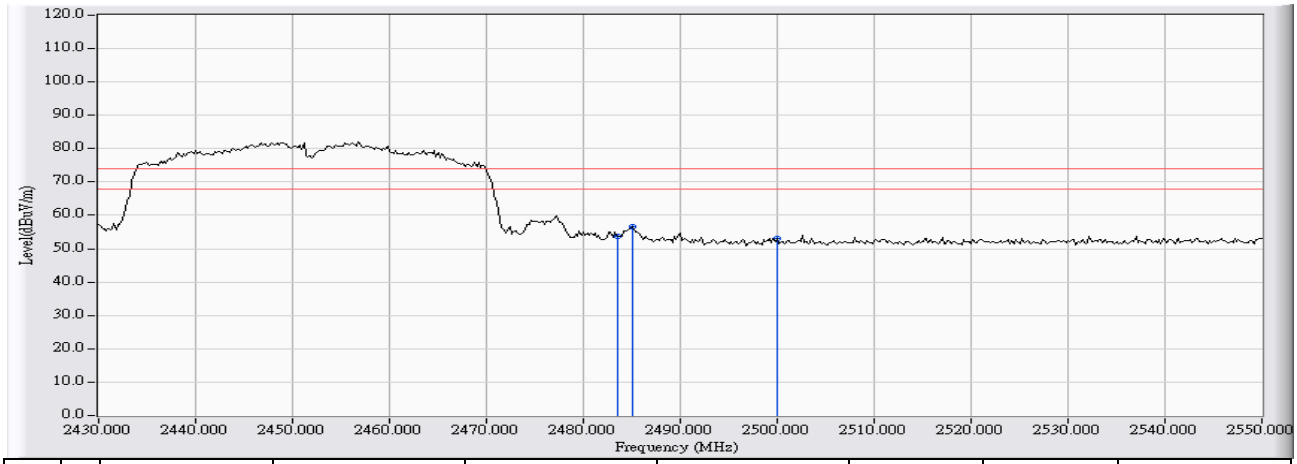



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 32.480 | 14.521 | 47.001 | -6.999 | 54.000 | AVERAGE |
| 2 | | 2485.400 | 32.489 | 14.192 | 46.681 | -7.319 | 54.000 | AVERAGE |
| 3 | | 2500.000 | 32.557 | 12.305 | 44.863 | -9.137 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:50** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |

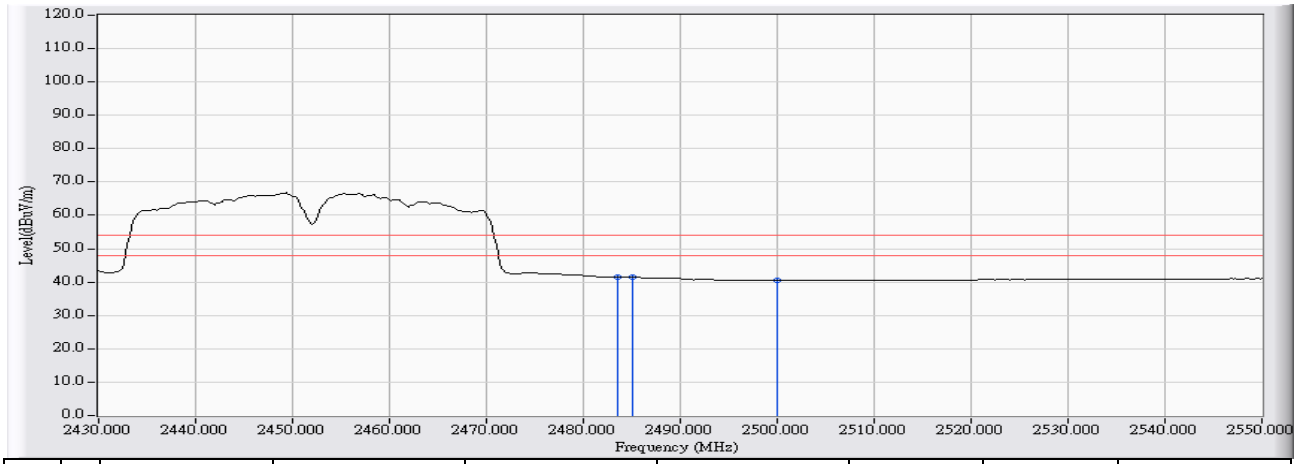



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2483.500 | 28.156 | 25.716 | 53.871 | -20.129 | 74.000 | PEAK |
| 2 | * | 2485.000 | 28.150 | 28.390 | 56.540 | -17.460 | 74.000 | PEAK |
| 3 | | 2500.000 | 28.142 | 25.028 | 53.170 | -20.830 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

| | |
|---|---|
| **Site : Site 1** | **Time : 2009/06/23 - 16:51** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 6** |
| **Probe : FCC_EFS_1-18G(2009-06) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : EZ N wireless router** | **Note : 2452MHz-N(40M)** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2483.500 | 28.156 | 13.328 | 41.483 | -12.517 | 54.000 | AVERAGE |
| 2 | | 2485.000 | 28.150 | 13.304 | 41.454 | -12.546 | 54.000 | AVERAGE |
| 3 | | 2500.000 | 28.142 | 12.447 | 40.589 | -13.411 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

# 7. Occupied Bandwidth

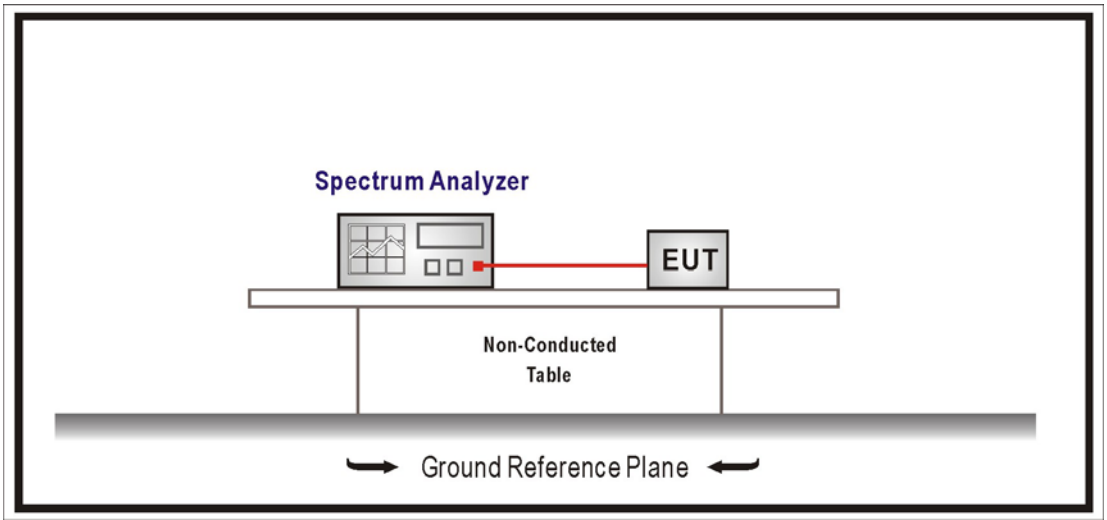
## 7.1. Test Equipment

The following test equipments are used during the test:

| Item | Equipment | Manufacturer | Model No. / Serial No. | Last Cal. |
|---|---|---|---|---|
| 1 | Spectrum Analyzer | R & S | FSP / 100561 | Mar., 2009 |
| 2 | No.1 OATS | | | Sep., 2008 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

## 7.2. Test Setup




## 7.3. Test Procedures

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

## 7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

## 7.5. Uncertainty

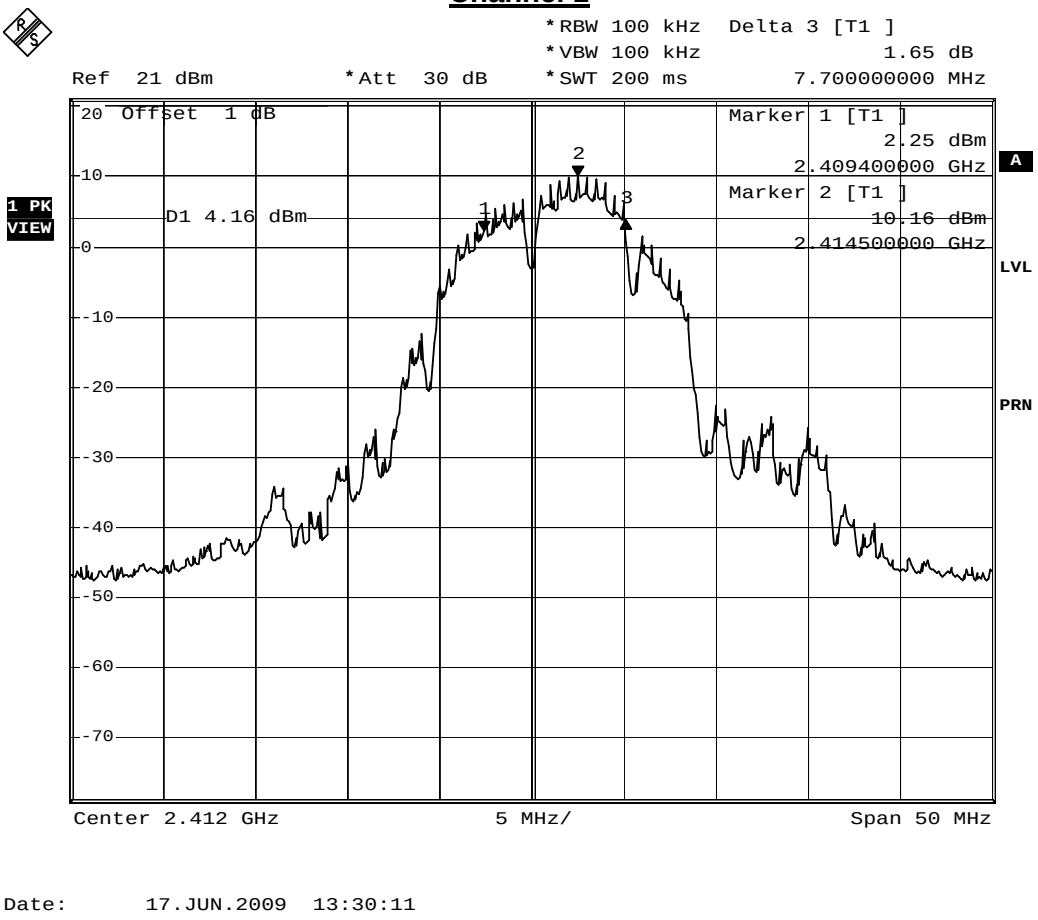
The measurement uncertainty is defined as ±150Hz

## 7.6. Test Result

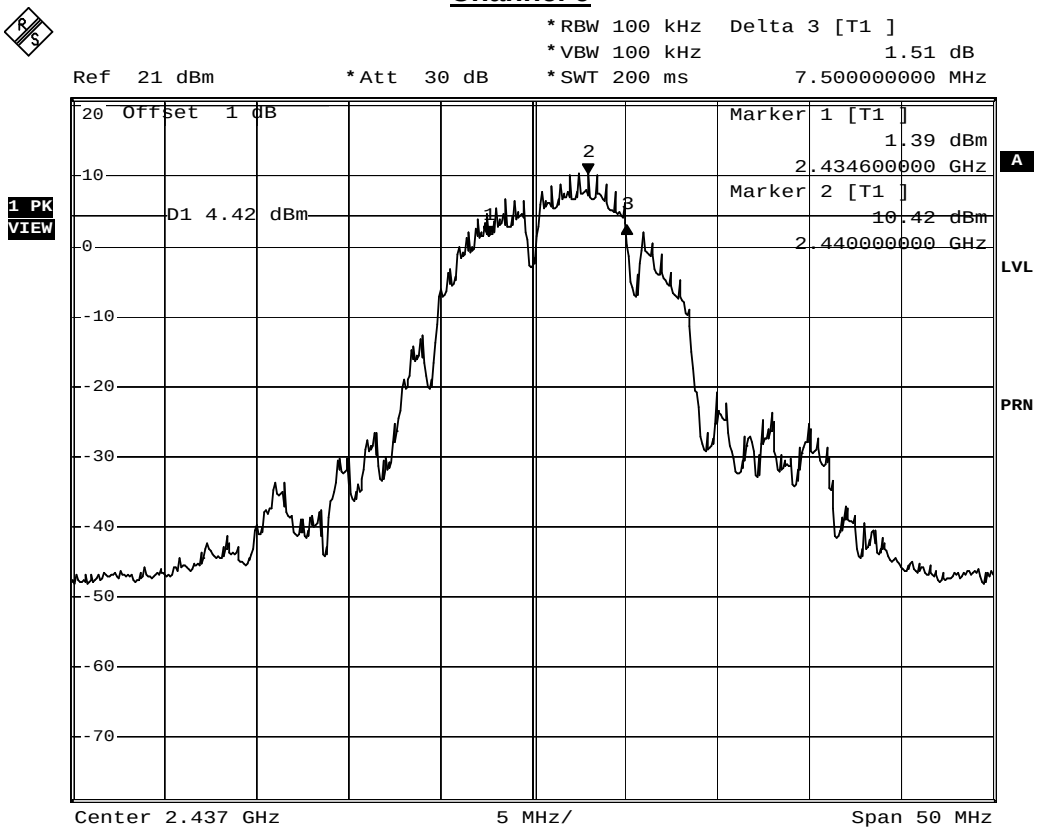
| Product | EZ N wireless router | | |
|---|---|---|---|
| Test Item | Occupied Bandwidth | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| 802.11 b | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
| 1 | 2412.00 | 7700 | ≥500 | Pass |
| 6 | 2437.00 | 7500 | ≥500 | Pass |
| 11 | 2462.00 | 7500 | ≥500 | Pass |

**Channel 1**

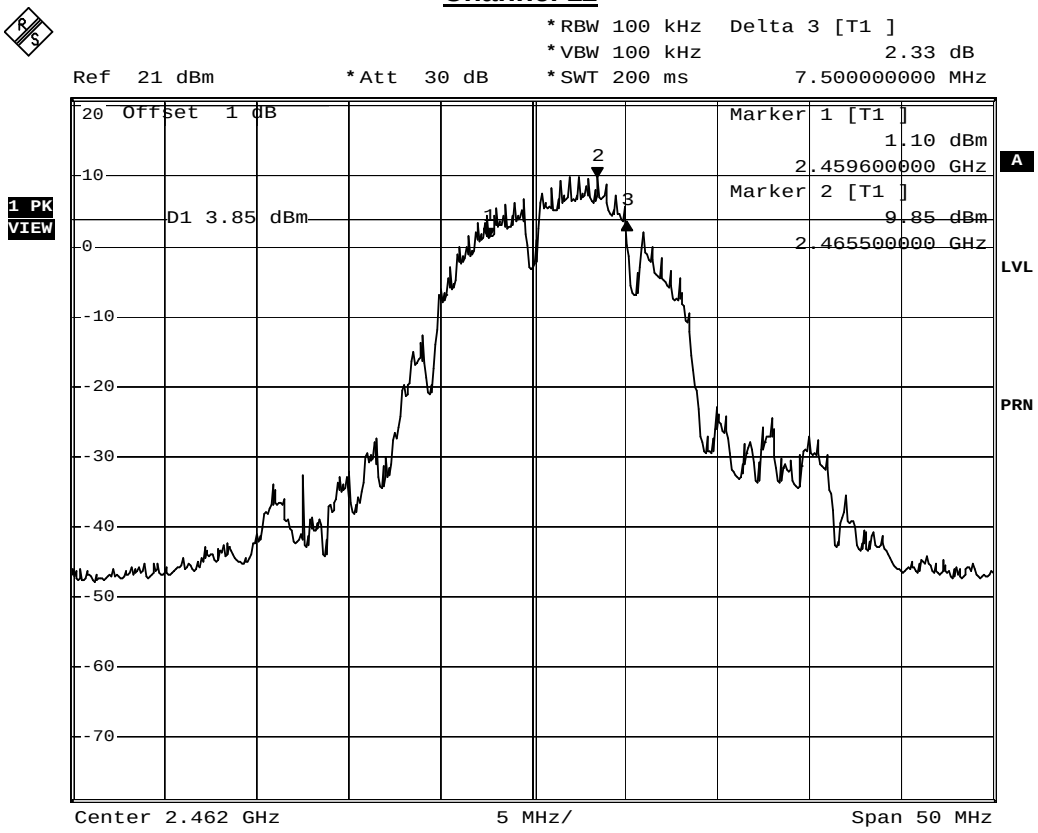


## Channel 6




Date: 17.JUN.2009 13:24:24

## Channel 11

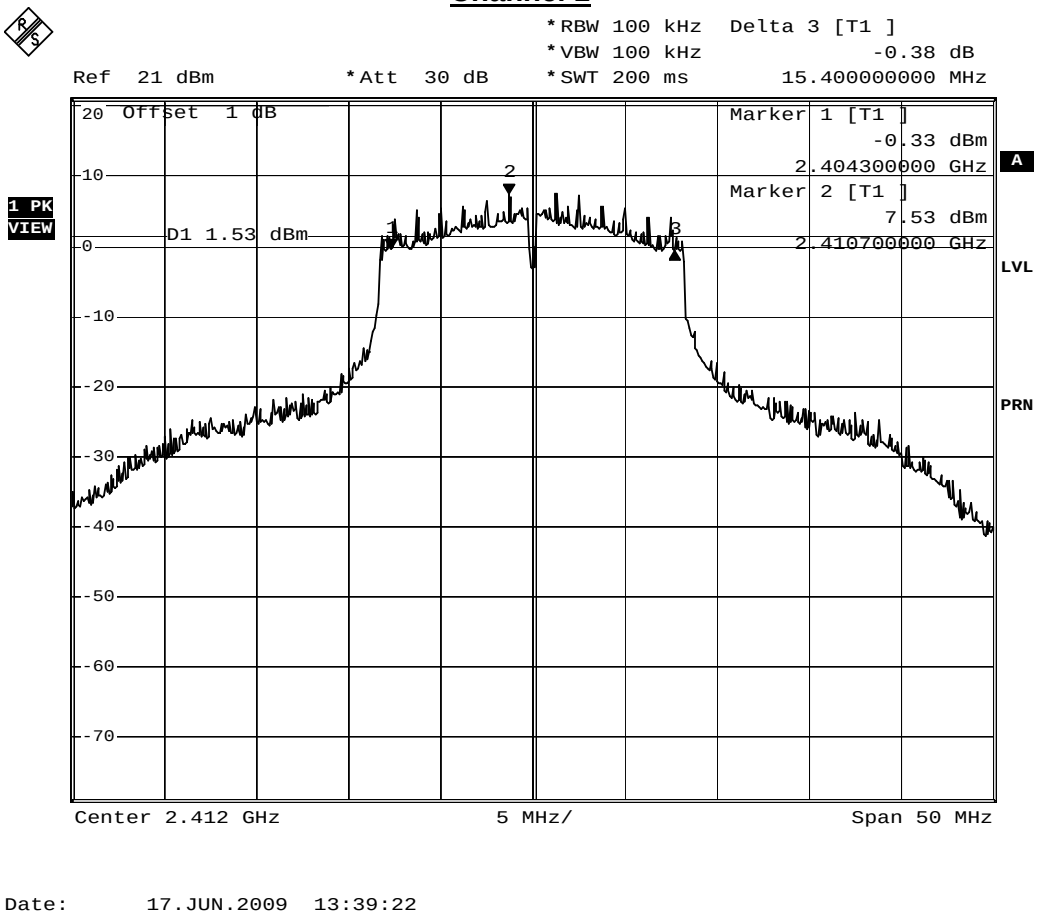



Date: 17.JUN.2009 13:34:45

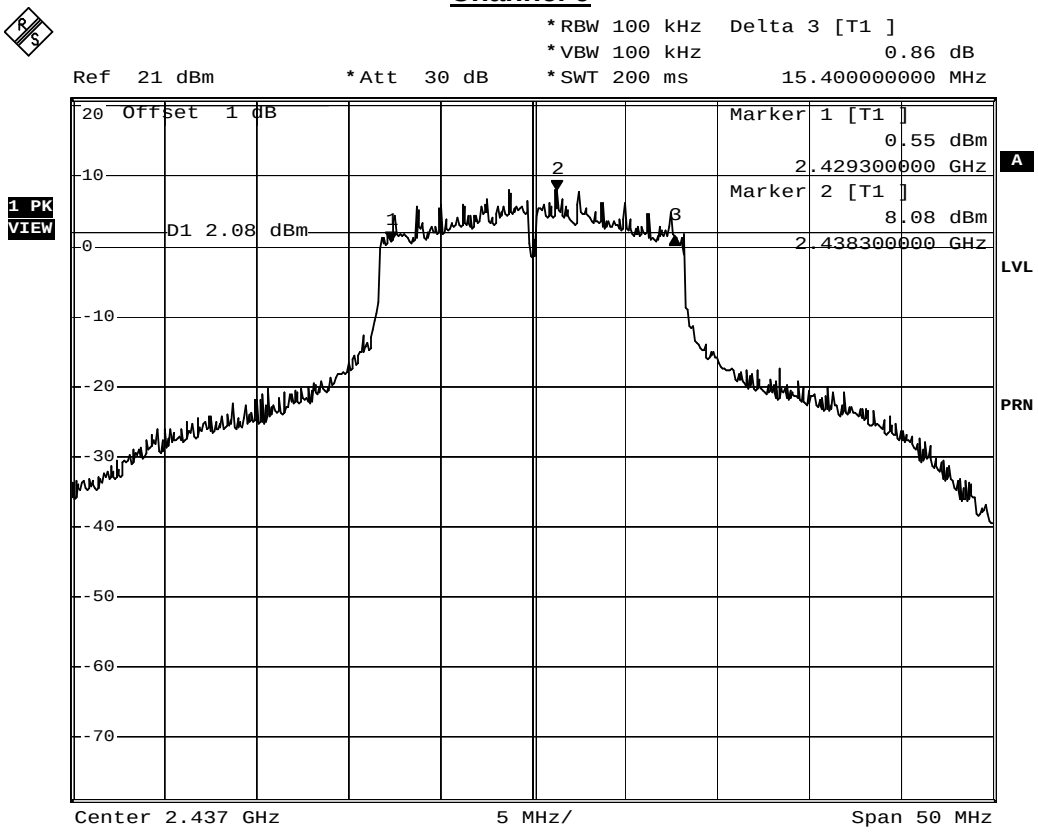
| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE 802.11g | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
| 1 | 2412.00 | 15400 | ≥500 | Pass |
| 6 | 2437.00 | 15400 | ≥500 | Pass |
| 11 | 2462.00 | 15400 | ≥500 | Pass |

**Channel 1**

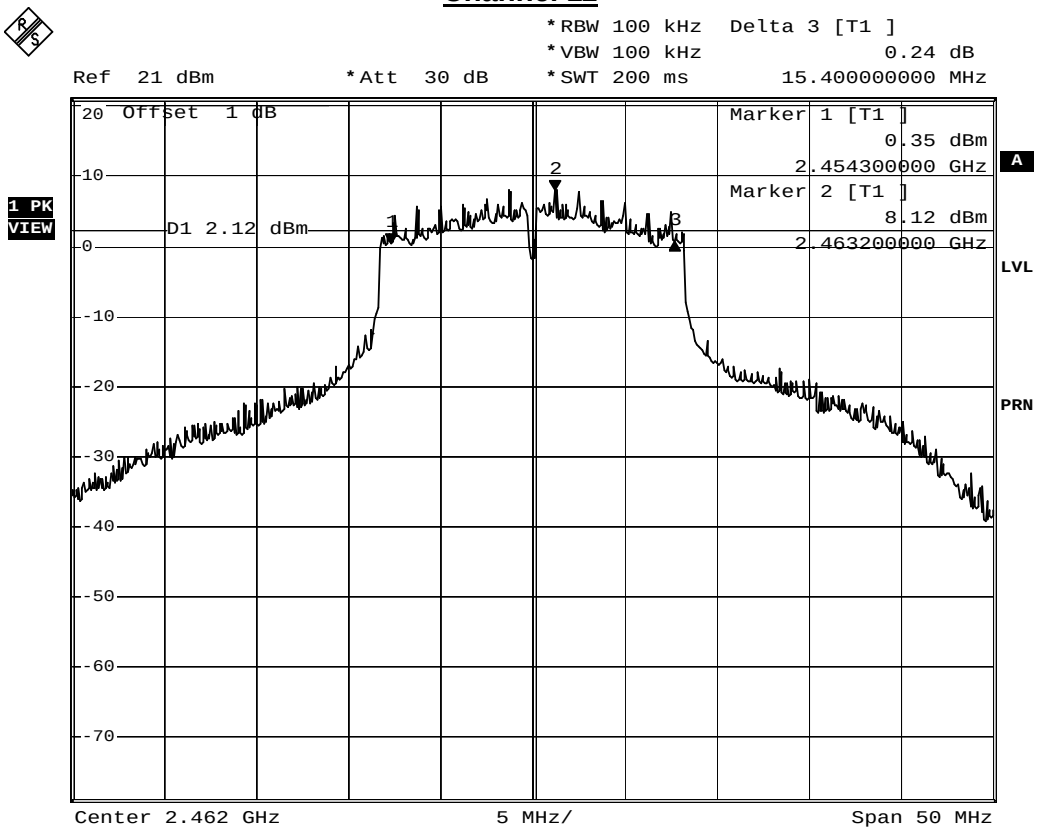


## Channel 6




Date: 17.JUN.2009 13:48:06

## Channel 11

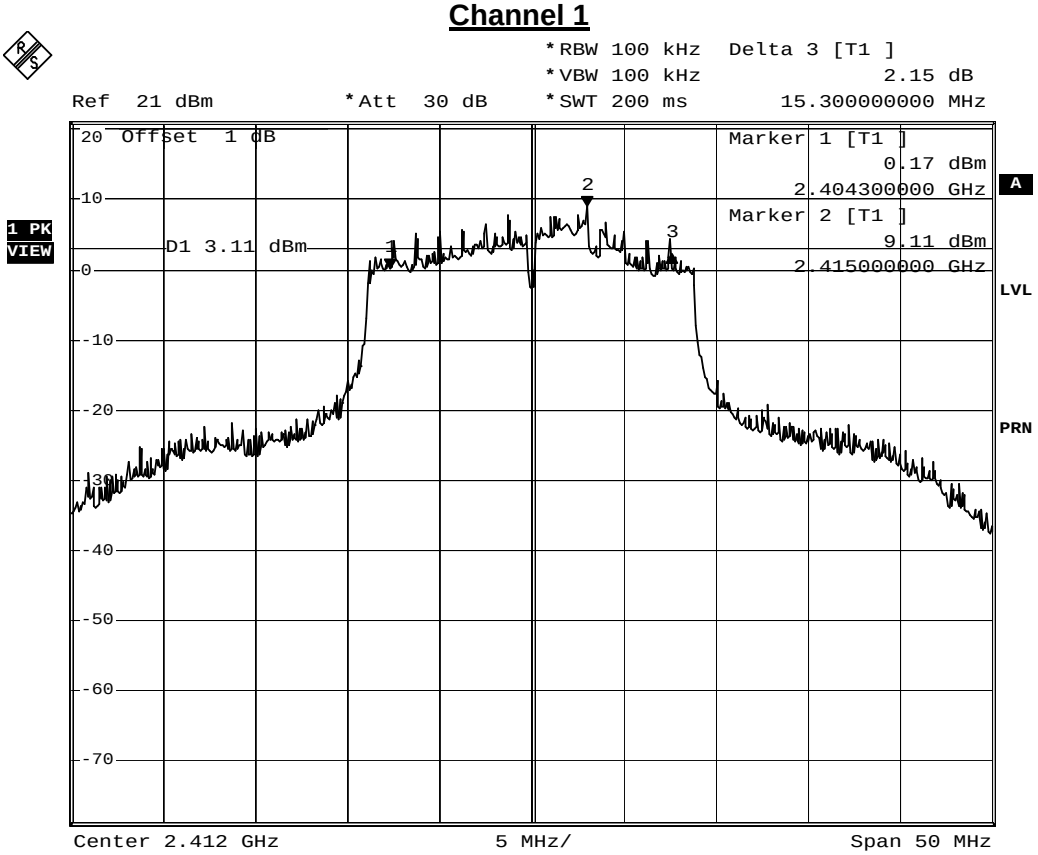



Date: 17.JUN.2009 14:01:22

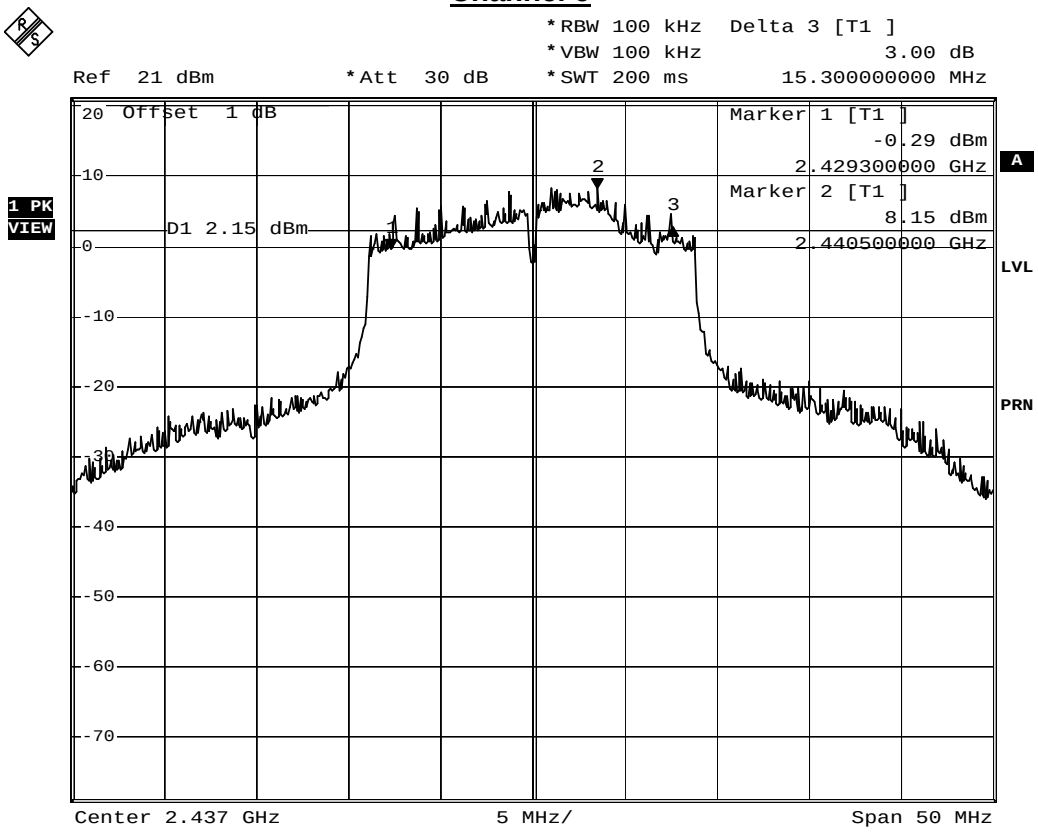
| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE 802.11n (ANT A (20MHz)) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
| 1 | 2412.00 | 15300 | ≥500 | Pass |
| 6 | 2437.00 | 15300 | ≥500 | Pass |
| 11 | 2462.00 | 14900 | ≥500 | Pass |

**Channel 1**

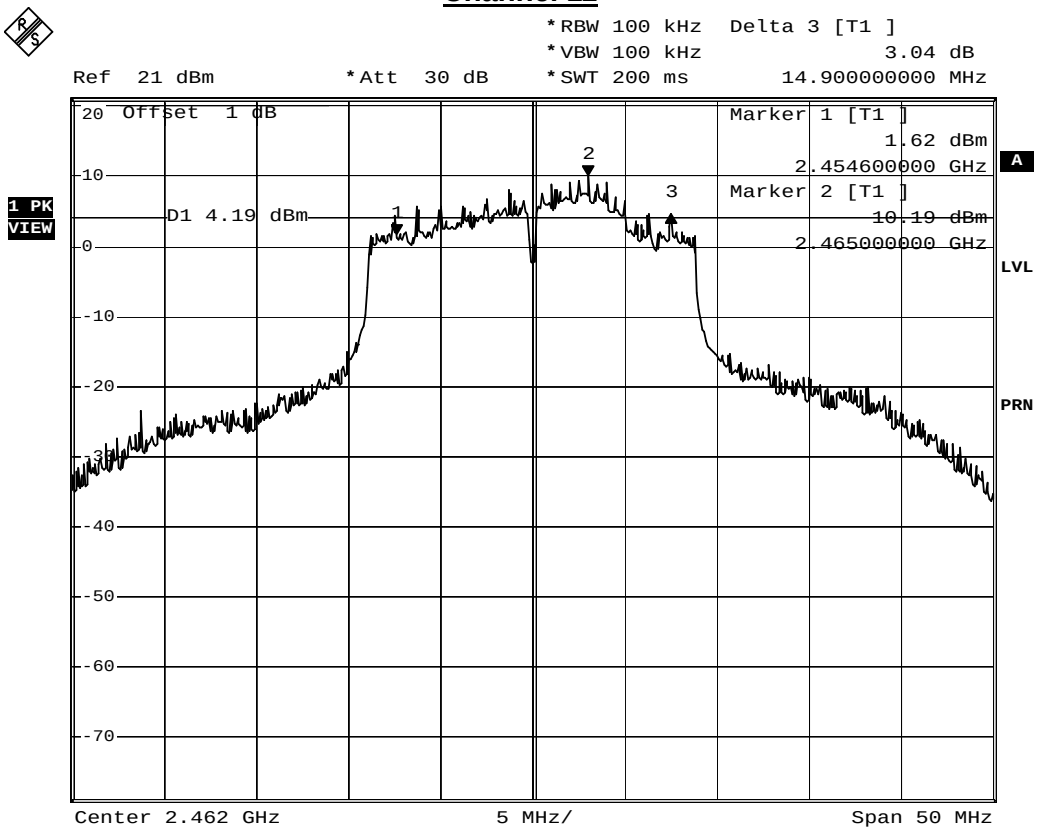


## Channel 6




Date: 17.JUN.2009 14:21:56

## Channel 11

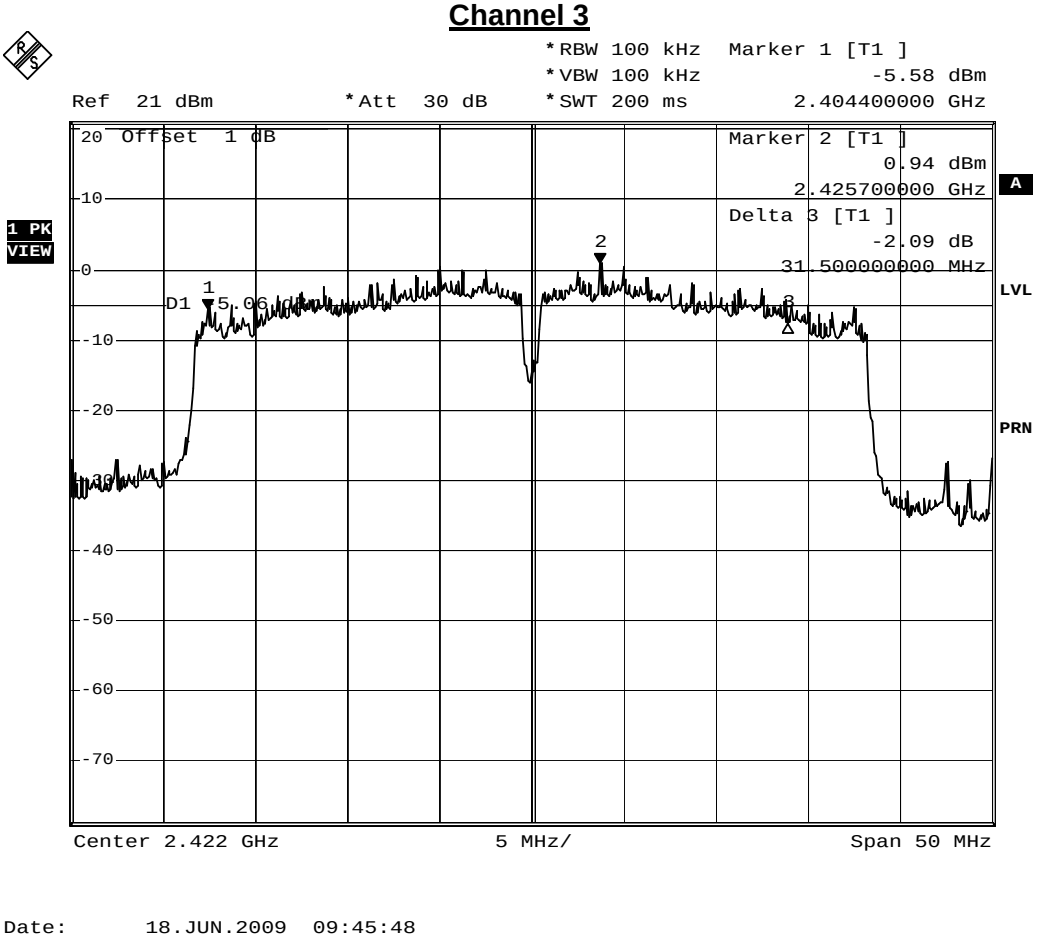



Date: 17.JUN.2009 14:26:38

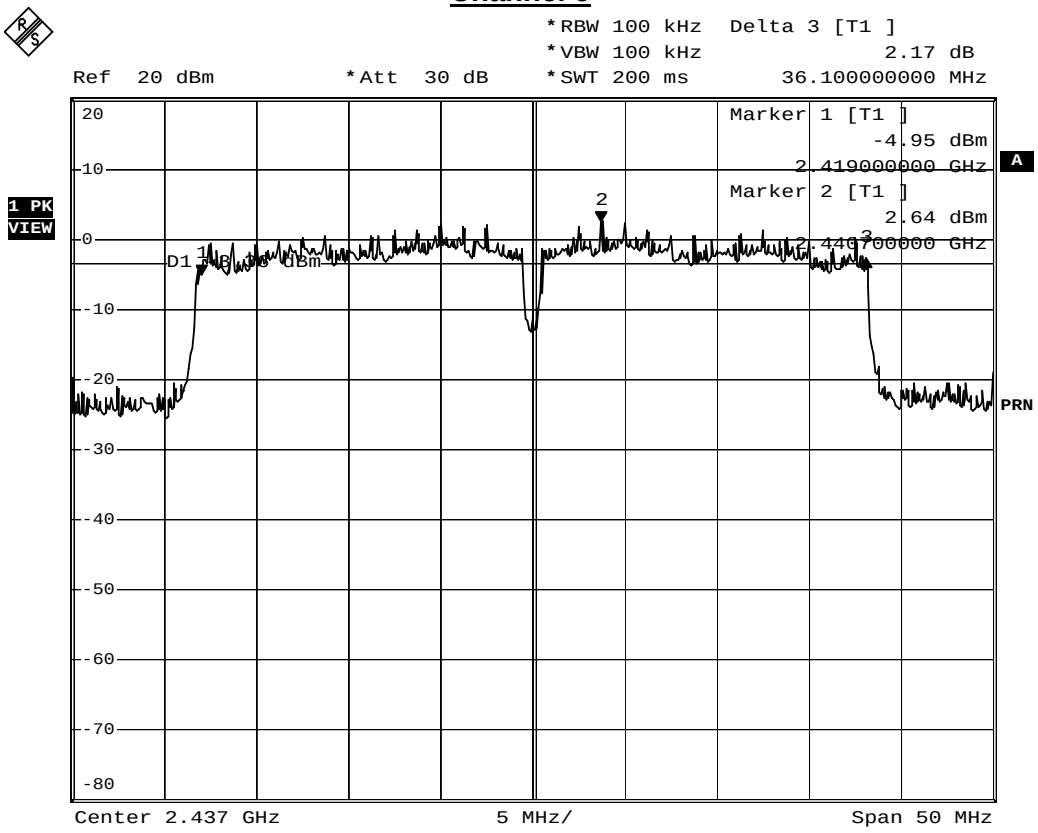
| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/17 | Test Site | No.1 OATS |

| IEEE 802.11n (ANT A (40MHz)) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
| 3 | 2422 | 31500 | ≥500 | Pass |
| 6 | 2437 | 36100 | ≥500 | Pass |
| 9 | 2452 | 35500 | ≥500 | Pass |

**Channel 3**

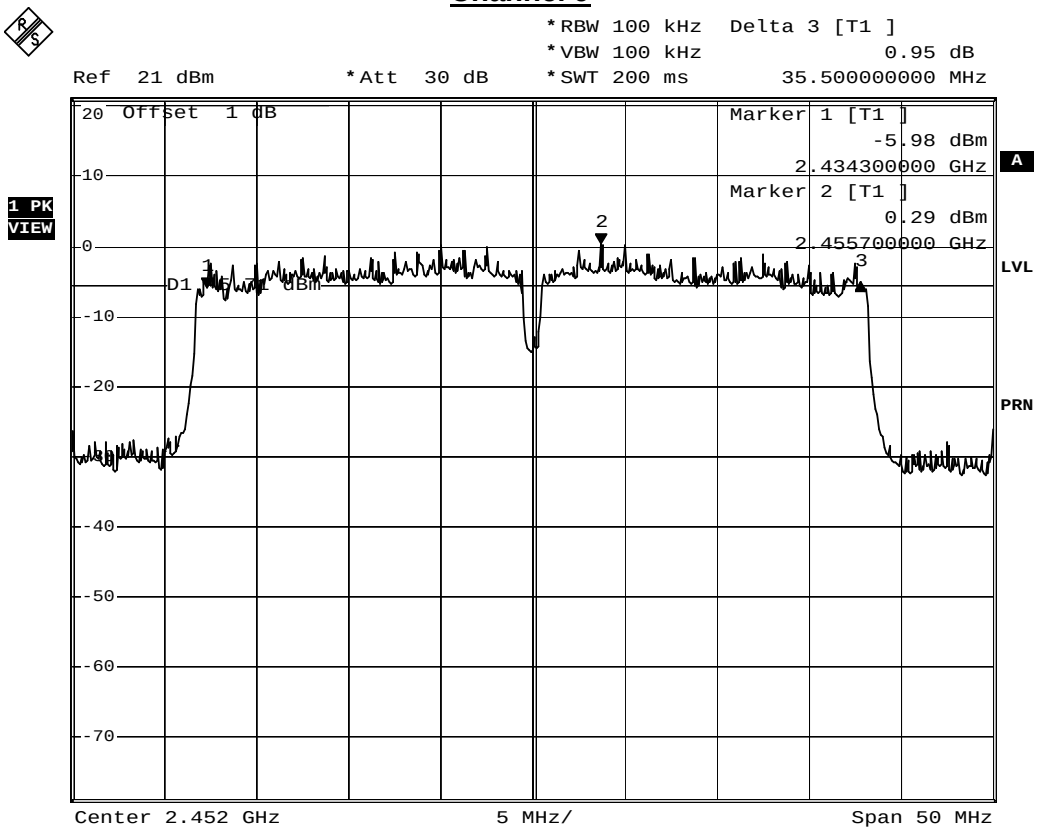


## Channel 6




Date: 25.JUN.2009 14:45:01

## Channel 9




Date: 18.JUN.2009 09:54:30

# 8. Power Density

## 8.1. Test Equipment

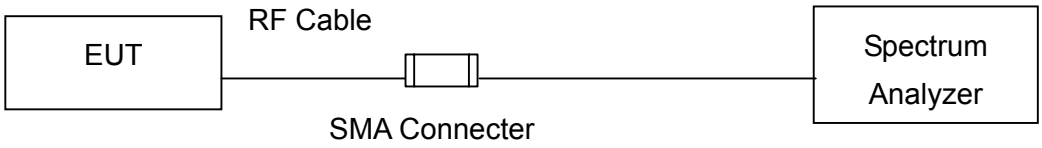
The following test equipment are used during the test:

| Item | Equipment | Manufacturer | Model No. / Serial No. | Last Cal. |
|---|---|---|---|---|
| 1 | Spectrum Analyzer | R & S | FSP / 100561 | Mar., 2009 |
| 2 | No.1 OATS | | | Sep., 2008 |

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

## 8.2. Test Setup

IEEE 802.11 b / g / n ( 20M / 40M ) MODE




## 8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

## 8.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 3 kHz, Set VBW≧ 9 kHz, Sweep time=Auto, Set detector=Peak detector

## 8.5. Uncertainty

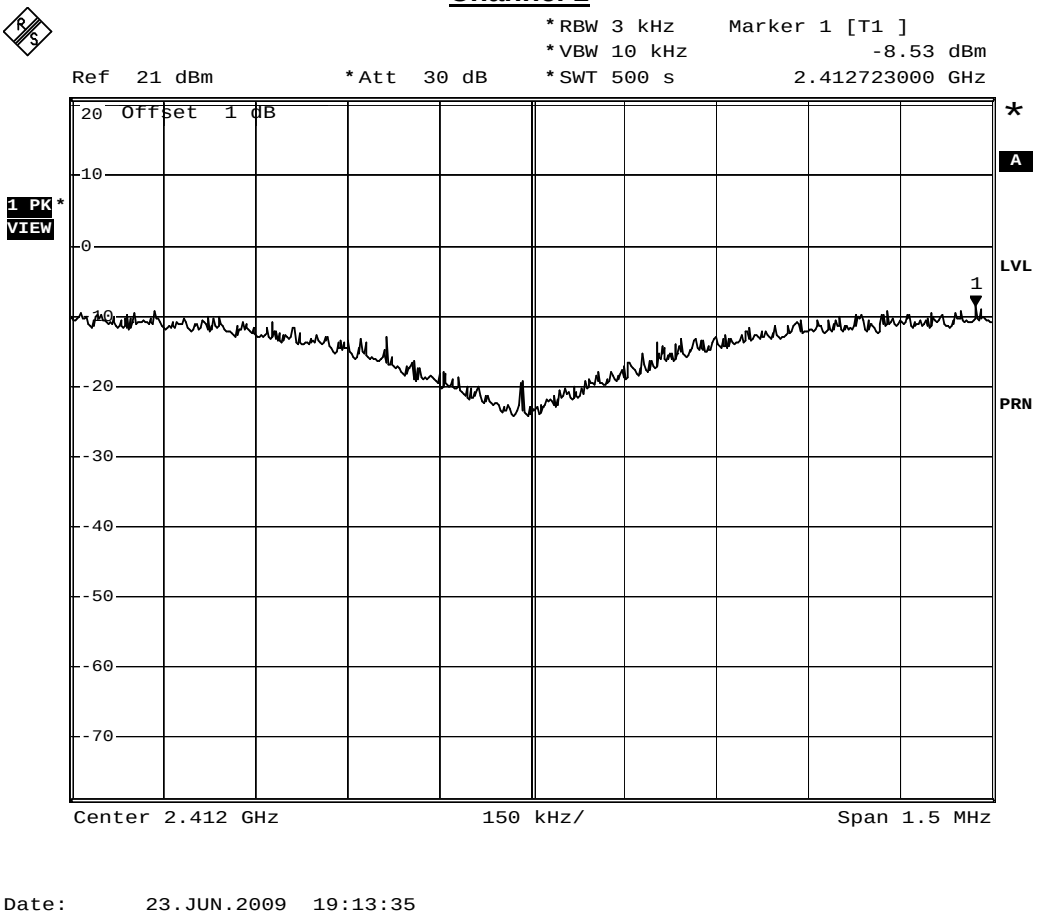
The measurement uncertainty is defined as ±1.27dB.

## 8.6. Test Result

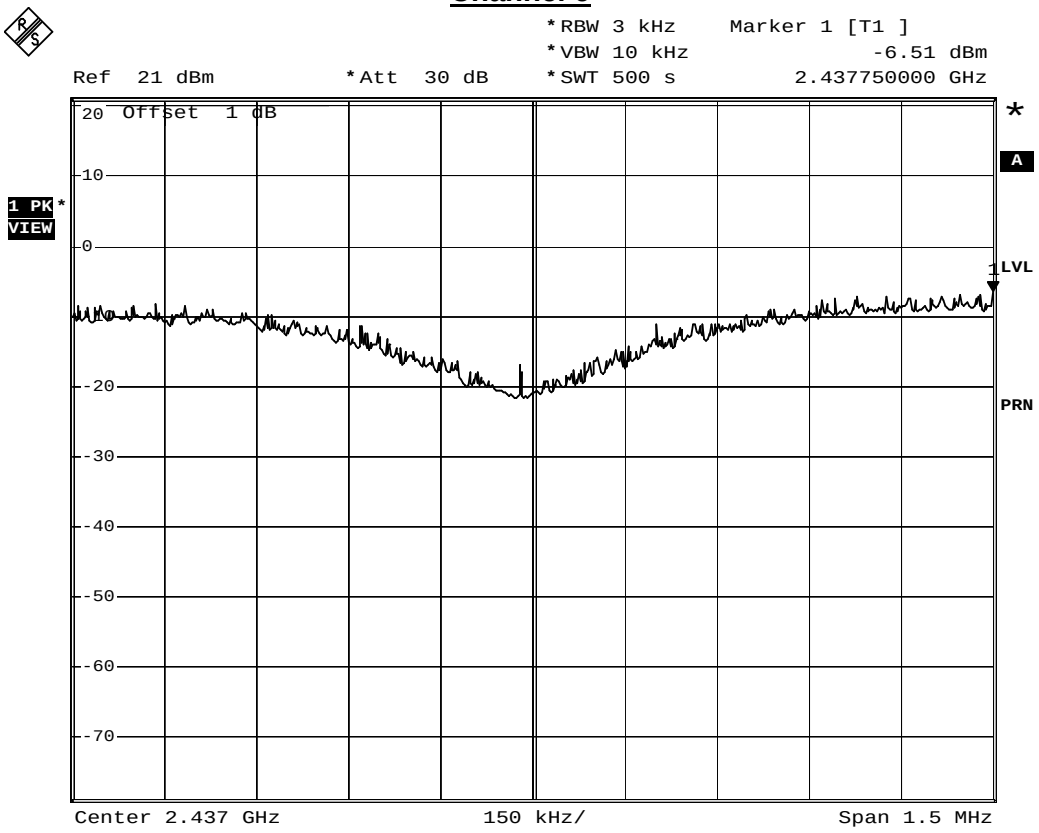
| Product | EZ N wireless router | | |
|---|---|---|---|
| Test Item | Power Density | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/23 | Test Site | No.1 OATS |

| IEEE 802.11b | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -8.53 | ≤8 | Pass |
| 6 | 2437 | -6.51 | ≤8 | Pass |
| 11 | 2462 | -6.46 | ≤8 | Pass |

**Channel 1**

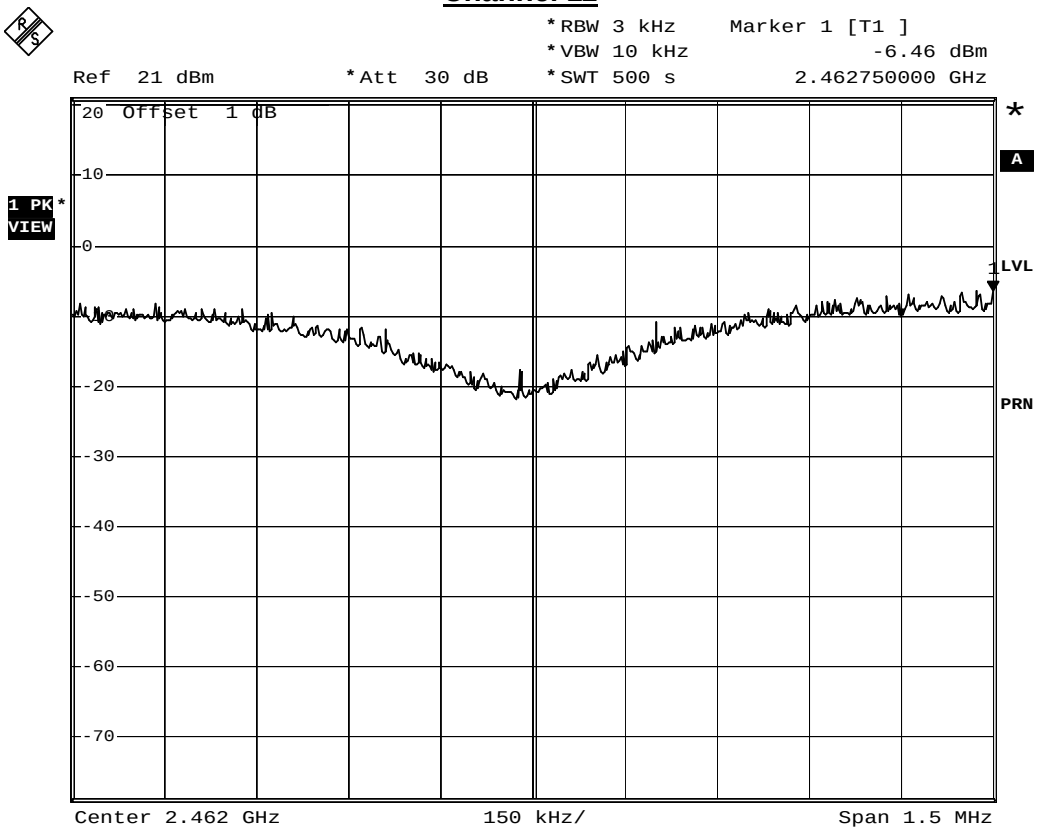


## Channel 6




Date: 23.JUN.2009 19:28:18

## Channel 11

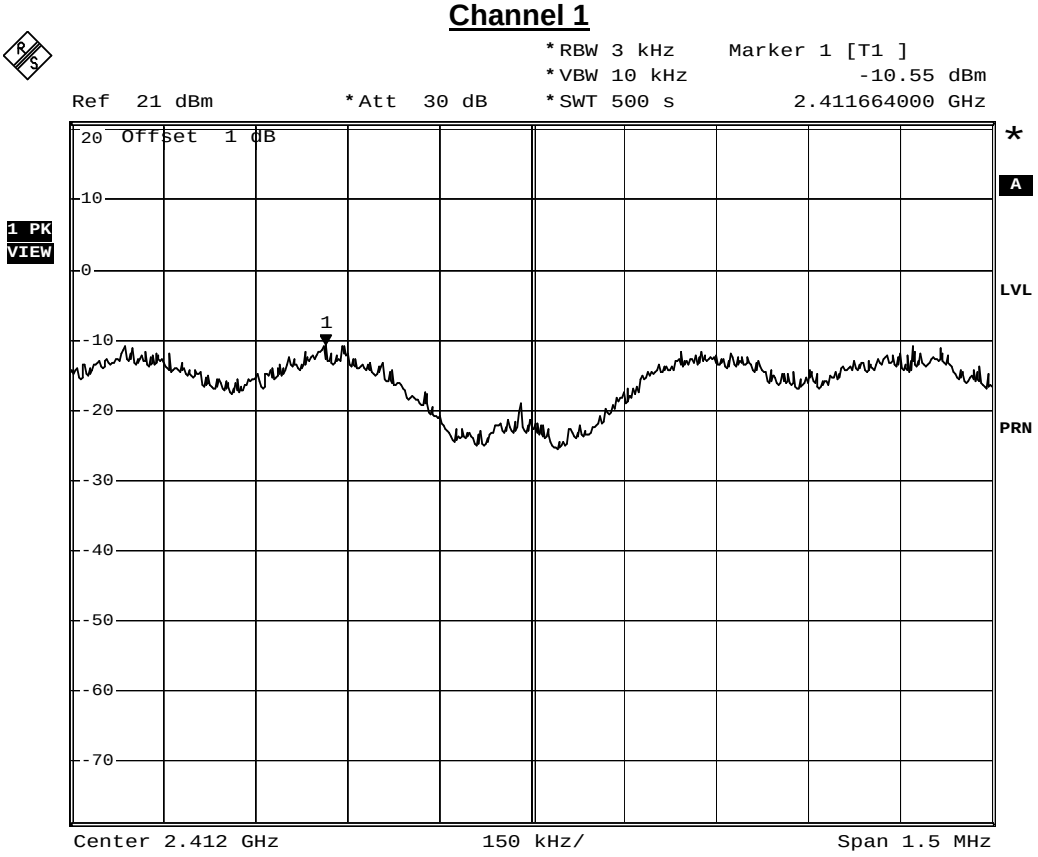



Date: 23.JUN.2009 19:32:32

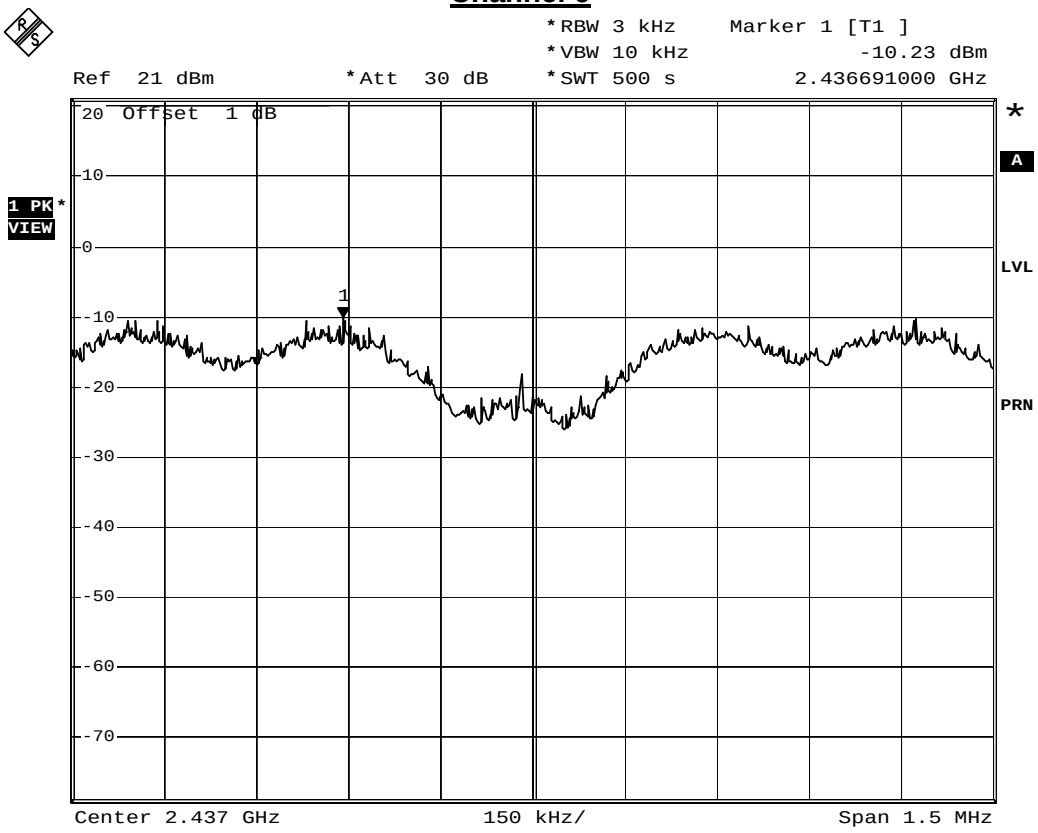
| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Power Density | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/23 | Test Site | No.1 OATS |

| IEEE 802.11g | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -10.55 | ≤8 | Pass |
| 6 | 2437 | -10.23 | ≤8 | Pass |
| 11 | 2462 | -10.37 | ≤8 | Pass |

**Channel 1**

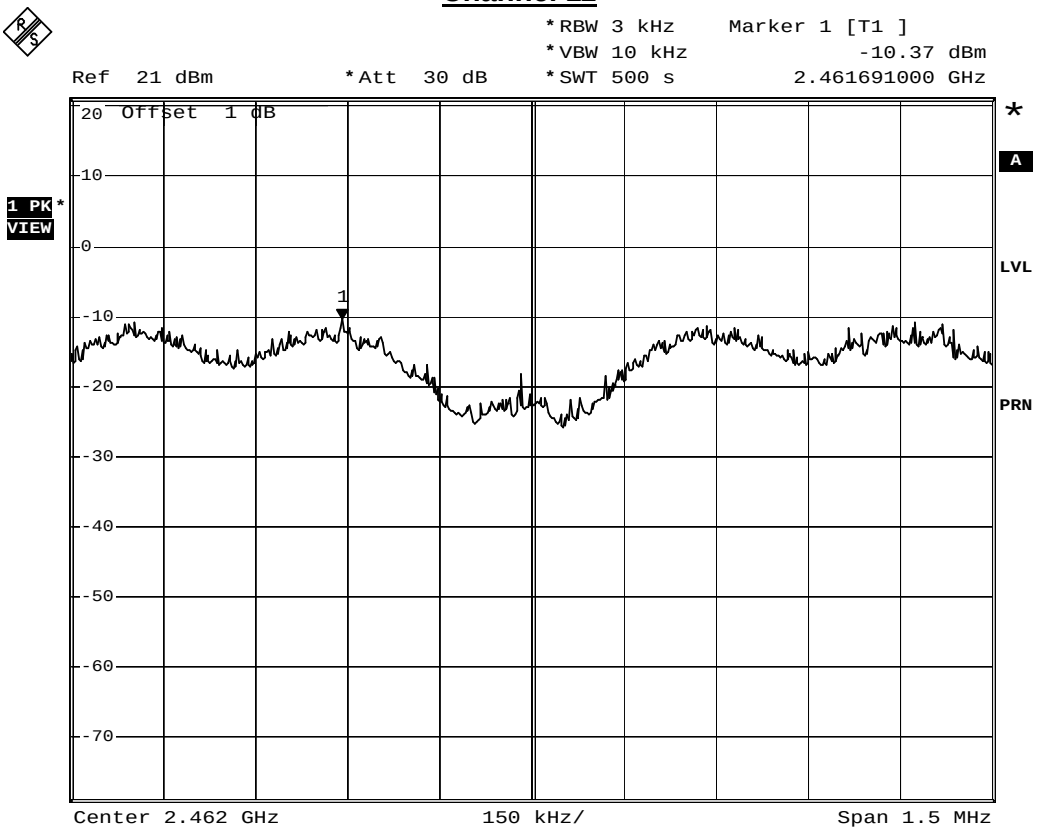


## Channel 6




Date: 23.JUN.2009 19:48:40

## Channel 11



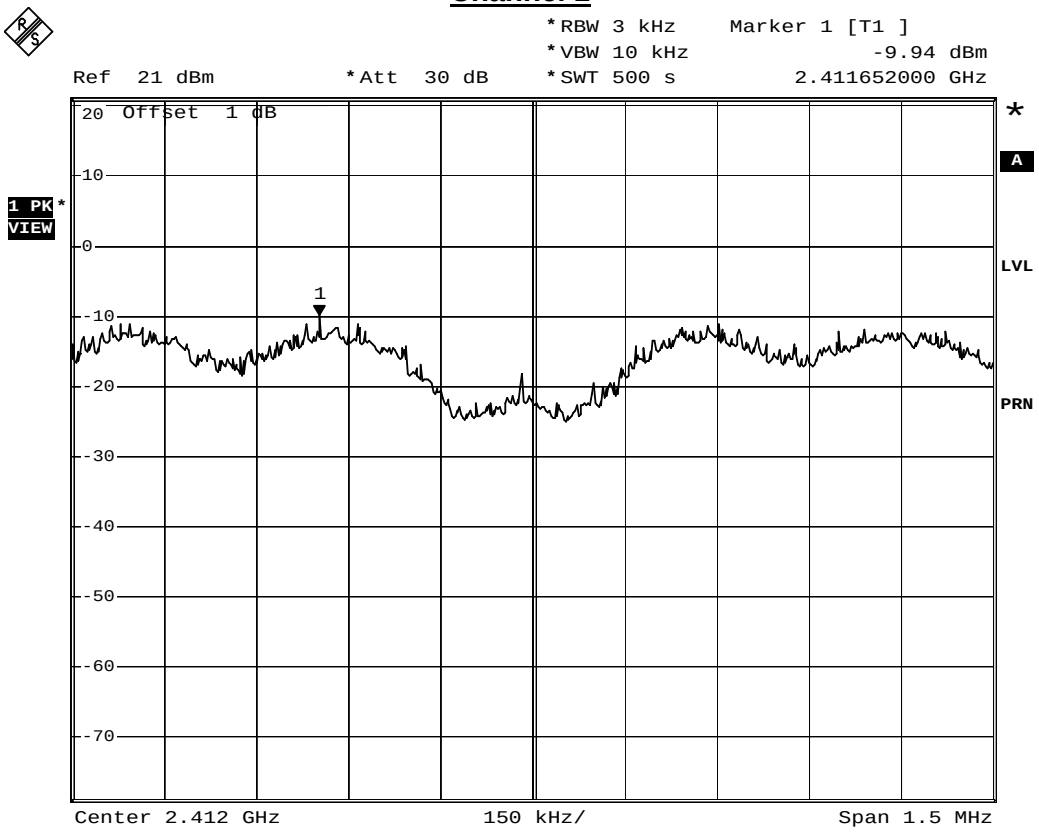

Date: 23.JUN.2009 19:44:28

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Power Density | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/23 | Test Site | No.1 OATS |

| IEEE802.11n MCS0 20MHz_Tx; ANT A | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412.00 | -9.94 | ≤8 | Pass |
| 6 | 2437.00 | -10.40 | ≤8 | Pass |
| 11 | 2462.00 | -9.51 | ≤8 | Pass |

## IEEE802.11n MCS0 20MHz_Tx; ANT A

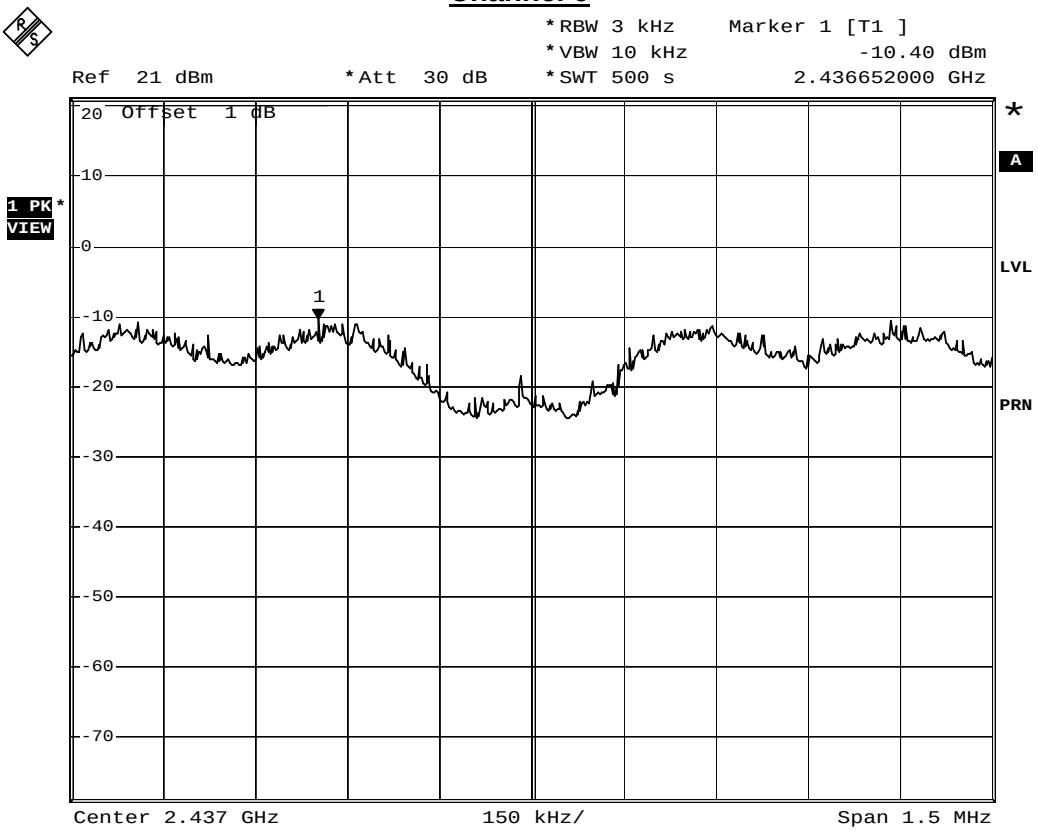
**Channel 1**




Date: 23.JUN.2009 19:51:10

## IEEE802.11n MCS0 20MHz_Tx; ANT A

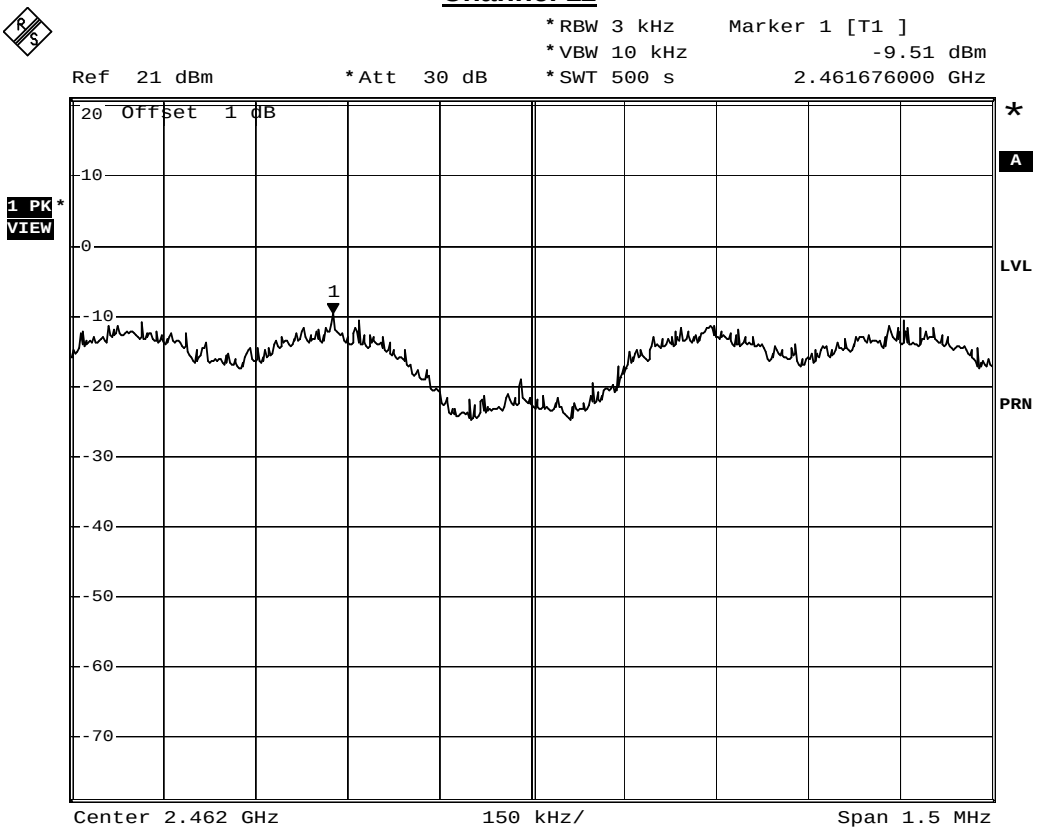
**Channel 6**




Date: 23.JUN.2009 19:53:36

## IEEE802.11n MCS0 20MHz_Tx; ANT A

**Channel 11**



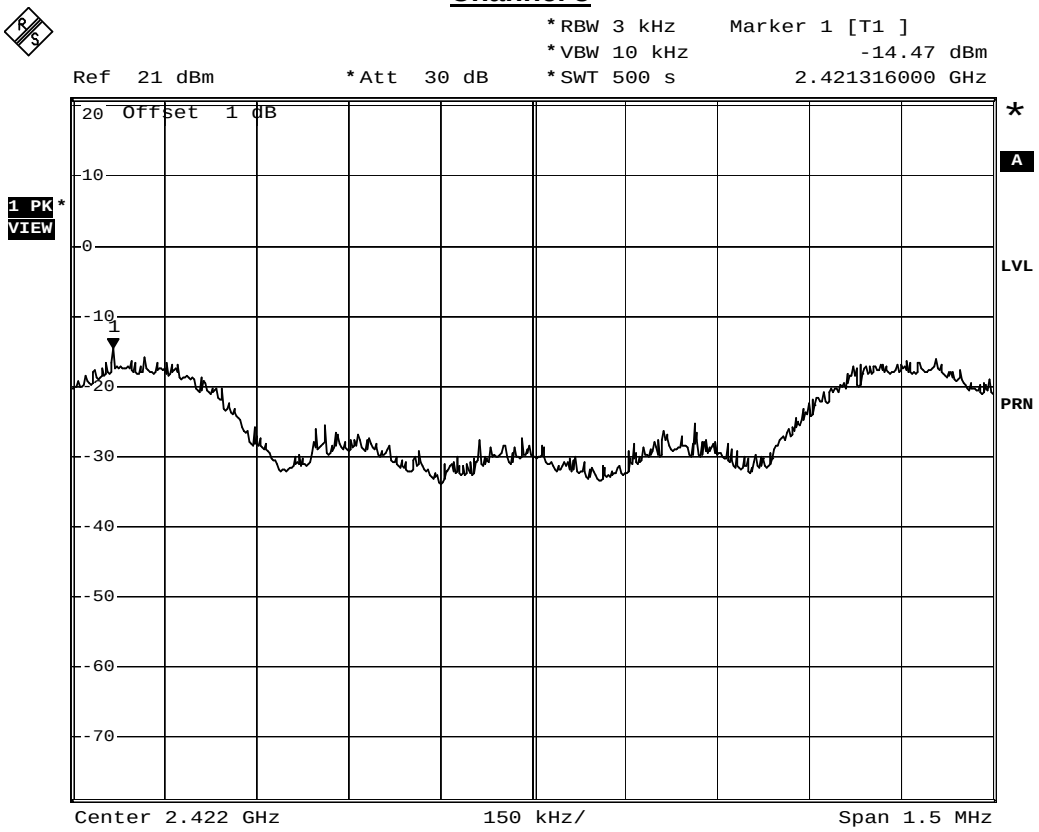

Date: 23.JUN.2009 19:56:15

| | | | |
|---|---|---|---|
| Product | EZ N wireless router | | |
| Test Item | Power Density | | |
| Test Mode | Transmit | | |
| Date of Test | 2009/06/23 | Test Site | No.1 OATS |

| IEEE 802.11n MCS0 40MHz_Tx ; ANT A | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | -14.47 | ≦8 | Pass |
| 6 | 2437 | -16.42 | ≦8 | Pass |
| 9 | 2452 | -16.36 | ≦8 | Pass |

## IEEE 802.11n MCS0 40MHz_Tx ; ANT A

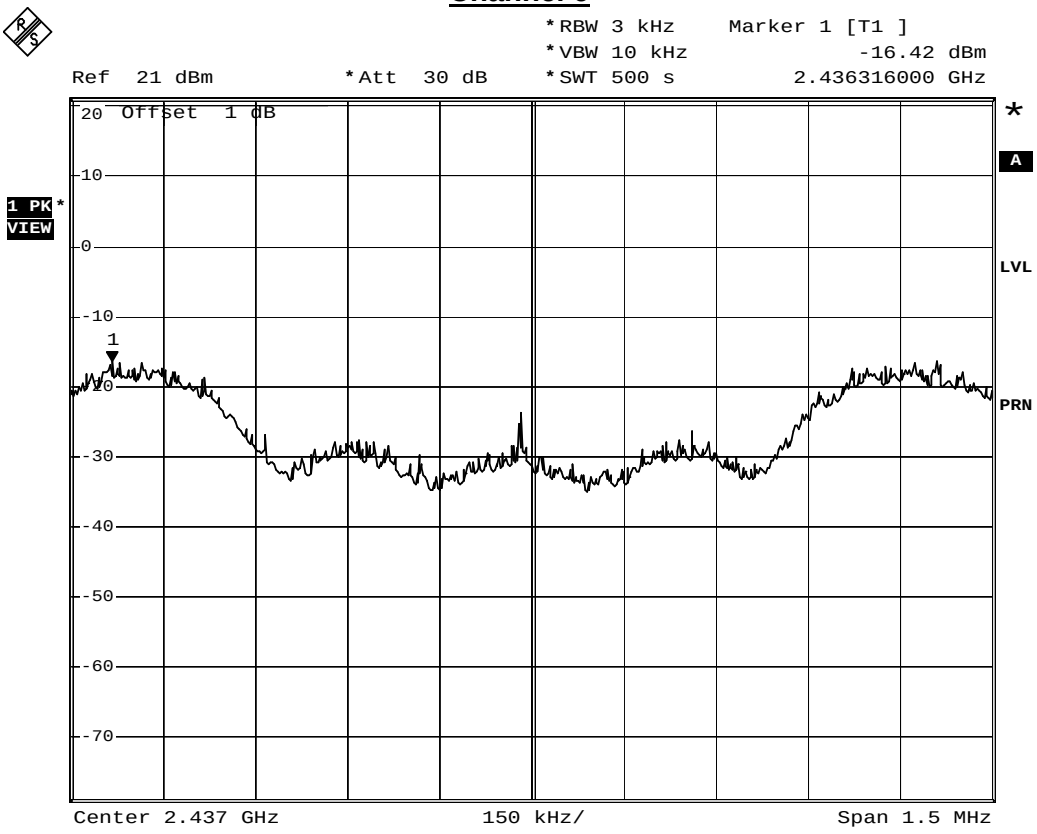
**Channel 3**




Date: 23.JUN.2009 20:00:13

## IEEE 802.11n MCS0 40MHz_Tx ; ANT A

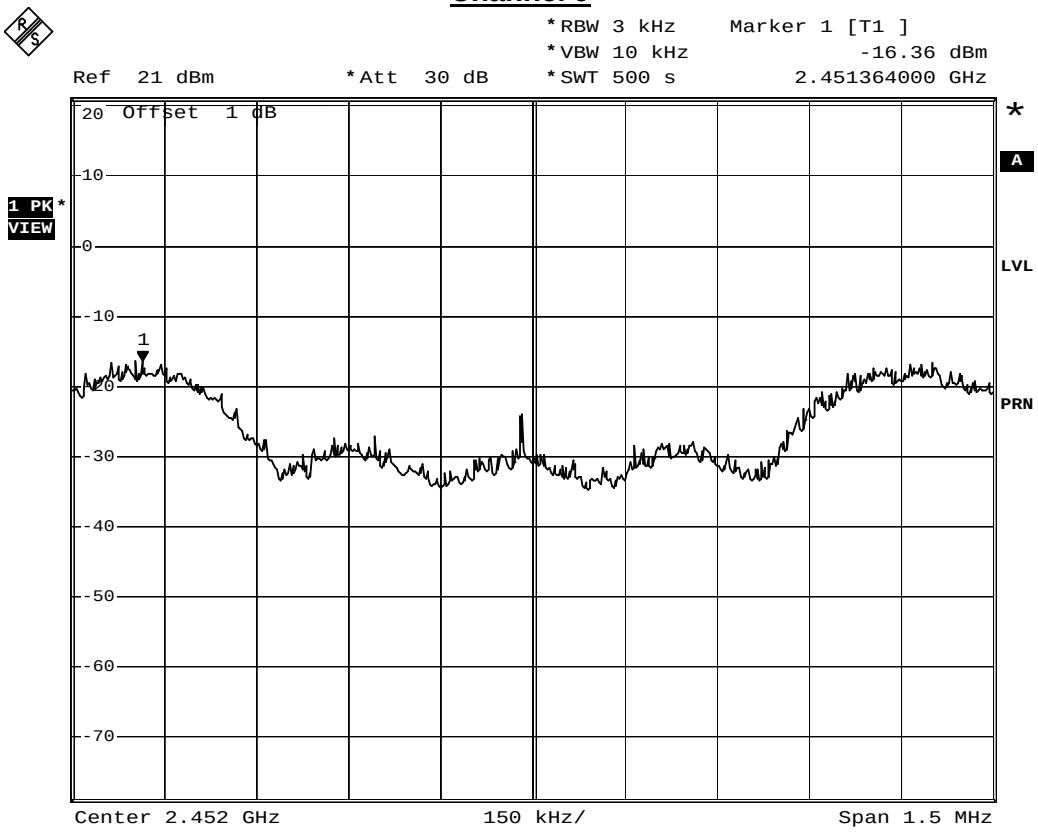
**Channel 6**




Date: 23.JUN.2009 20:02:23

## IEEE 802.11n MCS0 40MHz_Tx ; ANT A

**Channel 9**




Date: 23.JUN.2009 20:04:38