

ETS Dr.Genx Taiwan PS Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679

Accredited Testing Laboratory



A2LA Cert.No.: 2300.01

PTCRB Accredited Type Certification Test House

FCC

TEST - REPORT

FCC Part 15 C for IEEE 802.11 g device

FCC ID : RXZ-WP71RL

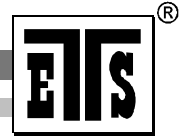
Test report no.: W6M20603-6773-C-2



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

TABLE OF CONTENTS

| | | |
|-----------------|---------------------------------------------------------|-----------|
| 1 | GENERAL INFORMATION | 3 |
| 1.1 | NOTES | 3 |
| 1.2 | TESTING LABORATORY | 4 |
| 1.2.1 | Location | 4 |
| 1.2.2 | Details of accreditation status | 4 |
| 1.3 | DETAILS OF APPROVAL HOLDER | 4 |
| 1.4 | APPLICATION DETAILS | 5 |
| 1.5 | GENERAL INFORMATION OF TEST ITEM | 5 |
| 1.6 | TEST STANDARDS | 6 |
| 2 | TECHNICAL TEST | 7 |
| 2.1 | SUMMARY OF TEST RESULTS | 7 |
| 2.2 | TEST ENVIRONMENT | 7 |
| 2.3 | TEST EQUIPMENT LIST | 8 |
| 3 | TEST RESULTS (ENCLOSURE) | 13 |
| 3.1 | PEAK OUTPUT POWER (TRANSMITTER) | 14 |
| 3.2 | EQUIVALENT ISOTROPIC RADIATED POWER | 15 |
| 3.2.1 | Transmitter | 15 |
| 3.3 | RF EXPOSURE COMPLIANCE REQUIREMENTS | 15 |
| 3.4 | TRANSMITTER RADIATED EMISSIONS IN RESTRICTED BANDS | 16 |
| 3.5 | SPURIOUS EMISSIONS (TX) | 17 |
| 3.6 | MINIMUM 6 dB BANDWIDTH | 21 |
| 3.7 | PEAK POWER SPECTRAL DENSITY | 22 |
| 3.8 | RADIATED EMISSIONS FROM RECEIVER SECTION OF TRANSCEIVER | 23 |
| 3.9 | POWER LINE CONDUCTED EMISSION | 26 |
| APPENDIX | | 28 |
| APPENDIX A | | 29 |
| APPENDIX B | | 30 |
| APPENDIX C | | 31 |
| APPENDIX D | | 32 |
| APPENDIX E | | 33 |
| APPENDIX F | | 34 |
| APPENDIX G | | 35 |
| APPENDIX H | | 36 |



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has Passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the ETS DR. GENZ TAIWAN PS CO., LTD.

Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

The test sample is able to work according IEEE 802.11 g.

This report is related to FCC Part 15 C (OFDM device).

Tester:

April 17, 2006

Orville Chung

Date

ETS-Lab.

Name

Signature

Technical responsibility for area of testing:

April 17, 2006

Steven Chung

Date

ETS

Name

Signature



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

1.2 Testing laboratory

1.2.1 Location

OATS
No.5-1, Shuang Sing Village,
LiShuei Rd., Wanli Township,
Taipei County 207, Taiwan (R.O.C.)

Company
ETS Dr.Genx Taiwan PS Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA-registration number: 2300.01

FCC filed test laboratory Reg. No. 930600

Industry Canada filed test laboratory Reg. No. IC 5679

PTCRB Accredited Type Certification Test House

1.3 Details of approval holder

| | |
|-----------|-----------------------------------|
| Name | : Pro-Nets Technology Corporation |
| Street | : 7F,No.95,Lide St,Chung Ho City |
| Town | : Taipei 235 |
| Country | : Taiwan, R.O.C. |
| Telephone | : +886-2-8221-8385#713 |
| Fax | : +886-2-3234-5818 |
| Contact | : Mr. SAM YU |
| Telephone | : +886-2-8221-8385#713 |

Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

1.4 Application details

Date of receipt of application : March 31, 2006
Date of receipt of test item : April 06, 2006
Date of test : from April 06, 2006 to April 17, 2006

1.5 General information of Test item

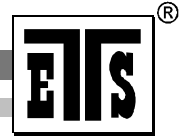
Type of test item : Wireless PCI Card
Model Number : WP71RL
Serial Model Number : ./.
Brand Name : PRO-NETS,Speed Com+,Jet Com,Medilink
Hardware : 1.0
Software : 1.0.2.0
Serial number : without
Photos : see Annex

Technical data

Frequency band : 2.4 GHz – 2.4835 GHz
Frequency (ch A) : 2.412 GHz
Frequency (ch B) : 2.437 GHz
Frequency (ch C) : 2.462 GHz
Number of Channels : 11
Operation modes : duplex
Modulation Type : DSSS / OFDM

Fixed point-to-point operation: Yes / No
Type of Antenna 1 (TX) : Dipole Antenna
Type of Antenna 2 (RX) : Dipole Antenna
Type of Antenna 3 (RX) : Dipole Antenna
Antenna gain of Antenna 1 (TX) : 2.09 dBi
Antenna gain of Antenna 2 (RX) : 2.09 dBi
Antenna gain of Antenna 3 (RX) : 2.09 dBi
Power supply : 120 VAC (power on pc)
Emission designator : 17M8W7D

Remark: There are 3 antennas in this case. One of the TX antenna in the middle, and the other 2 RX antennas in the two side of TX. When testing TX mode, only TX antenna in the middle will operate. When testing RX mode, the TX antenna in the middle will not operate, but the other 2 RX antennas in the two side of TX will operate at the same time.



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

Host device: none

Classification :

| | |
|----------------------------------------------|-------------------------------------|
| Fixed Device | <input checked="" type="checkbox"/> |
| Mobile Device (Human Body distance > 20cm) | <input type="checkbox"/> |
| Portable Device (Human Body distance < 20cm) | <input type="checkbox"/> |

Transmitter

Unom

Power (ch A) : Conducted: 16.08dBm
Power (ch B) : Conducted: 16.42dBm
Power (ch C) : Conducted: 16.49dBm

Manufacturer:

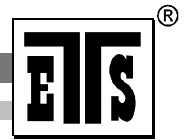
(if different from applicant)

Name : ./.
 Street : ./.
 Town : ./.
 Country : ./.

Additional information: The sample is using WLAN technology according IEEE 802.11 b/g. For this report the function according IEEE 802.11g is considered only. The scheme for frequency generation, spectrum spreading, receiver parameters, synchronization procedure, and other parameters are determined by the mentioned standard above.

1.6 Test standards

Technical standard : FCC RULES PART 15 SUBPART B / SUBPART C § 15.247



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.

or

The deviations as specified in 2.5 were ascertained in the course of the tests performed.

2.2 Test environment

| | |
|-------------------------------|---------------------------|
| Temperature | : 23 °C |
| Relative humidity content | : 20 ... 75 % |
| Air pressure | : 86 ... 103 kPa |
| Details of power supply | : 120 VAC (power on pc) |
| Extreme conditions parameters | : -- |

Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

2.3 Test Equipment List

| No. | Test equipment | Type | Serial No. | Manufacturer | Cal. Date | Next Cal. Date |
|--------------|--------------------------------------------------------|------------------------|-------------|---------------------------------------|------------|----------------|
| ETSTW-CE 001 | EMI TEST RECEIVER | ESHS10 | 842121/013 | R&S | 2005/10/27 | 2006/10/26 |
| ETSTW-CE 003 | AC POWER SOURCE | APS-9102 | D161137 | GW | | |
| ETSTW-CE 004 | ZWEILEITER-V- NETZNACHBILDUNG TWO-LINE V-NETWORK | ESH3-Z5 | 840731/011 | R&S | 2005/10/25 | 2006/10/24 |
| ETSTW-CE 005 | Line-Impedance Stabilisation Network | NNBM 8126D | 137 | Schwarzbeck | 2005/10/21 | 2006/10/20 |
| ETSTW-CE 006 | IMPULS-BEGRENZER PULSE LIMITER | ESH3-Z2 | 100226 | R&S | 2004/11/11 | 2006/11/10 |
| ETSTW-CE 008 | ABSORBING CLAMP | MDS 21 | 3469 | ABSORPTIONS- MESSWANDLER- ZANGE | 2005/10/24 | 2007/10/23 |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER | GTH-225-40- 1P-U | MAA0305-009 | GIANT FORCE | 2005/8/18 | 2006/8/17 |
| ETSTW-CS 001 | SIGNAL GENERATOR | SMX | 849254/003 | R&S | 2005/10/14 | 2006/10/13 |
| ETSTW-CS 002 | COUPLING AND DECOUPLING NETWORK | CDN S751 | 19263 | SCHAFFNER | 2005/10/14 | 2006/10/13 |
| ETSTW-CS 003 | COUPLING AND DECOUPLING NETWORK | CDN T400 | 19820 | SCHAFFNER | 2005/10/14 | 2006/10/13 |
| ETSTW-CS 004 | COUPLING AND DECOUPLING NETWORK | CDN M016 | 20053 | SCHAFFNER | 2005/10/27 | 2006/10/26 |
| ETSTW-CS 005 | RF Power Amplifier | 100A250A | 306547 | AR | 2005/10/14 | 2006/10/13 |
| ETSTW-CS 004 | 6 dB Attenuator | HFP-5100-3/06 N M/F | 2010876106 | | | |
| ETSTW-RE 002 | Function Generator | 33220A | MY43004982 | Agilent | 2005/10/14 | 2007/10/13 |
| ETSTW-RE 003 | EMI TEST RECEIVER | ESI 26 | 831438/001 | R&S | 2005/10/24 | 2006/10/23 |
| ETSTW-RE 004 | EMI TEST RECEIVER | ESI 40 | 832427/004 | R&S | 2005/10/29 | 2006/10/30 |
| ETSTW-RE 005 | EMI TEST RECEIVER | ESVS10 | 843207/020 | R&S | 2005/10/16 | 2006/10/15 |
| ETSTW-RE 015 | ANTENNA | HK116 | 841489/003 | R&S | 2005/1/14 | 2007/1/11 |
| ETSTW-RE 016 | ANTENNA | HL223 | 848953/006 | R&S | 2005/1/14 | 2007/1/11 |
| ETSTW-RE 017 | ANTENNA | HL025 | 352886/001 | R&S | 2005/9/6 | 2007/9/3 |
| ETSTW-RE 018 | ANTENNA | AT4560 | 27212 | AR | 2004/11/8 | 2007/11/7 |
| ETSTW-RE 021 | SWEEP GENERATOR | SWM05 | 835130/010 | R&S | 2005/10/14 | 2006/10/13 |
| ETSTW-RE 022 | AMPLIFIER | 8447D | 2944A09837 | Brüel&Kjær | 2005/10/14 | 2006/10/13 |

Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

| | | | | | | |
|---------------|---------------------------------------|-------------|---------------|-------------|------------|------------|
| ETSTW-RE 027 | Passive Loop Antenna | 6512 | 34563 | EMCO | 2004/6/30 | 2007/6/29 |
| ETSTW-RE 030 | Double-Ridged Waveguide Horn Antenna | 3117 | 35224 | EMCO | 2004/5/5 | 2006/5/4 |
| ETSTW-RE 032 | Millivoltmeter | URV 55 | 849086/013 | R&S | 2005/10/17 | 2006/10/16 |
| ETSTW-RE 034 | Power Sensor | URV5-Z4 | 839313/006 | R&S | 2005/10/17 | 2006/10/16 |
| ETSTW-RE 048 | Triple Loop Antenna | HXYZ 9170 | HXYZ 9170-134 | Schwarzbeck | 2005/3/22 | 2008/3/21 |
| ETSTW-RE 049 | TRILOG Super Broadband test Antenna | VULB 9160 | 9160-3185 | Schwarzbeck | 2005/5/19 | 2007/5/18 |
| ETSTW-RE 055 | SPECTRUM ANALYZER | FSU-26 | 200074 | R&S | 2005/9/6 | 2006/9/5 |
| ETSTW-EMI 001 | HARMONICS 1000 | HAR1000-1P | 93 | EMC-PARTNER | 2005/9/11 | 2006/11/10 |
| ETSTW-EMS 001 | Clamp BASELSTRASSE 160 CH-4242 LAUFEN | CN-EFT1000 | 354 | EMC-PARTNER | 2004/11/2 | 2006/11/1 |
| ETSTW-EMS 003 | EMC Immunity Test System | TRA2000IN6 | 579 | EMC-PARTNER | 2005/10/27 | 2006/10/26 |
| ETSTW-EMS 004 | ESD generator minizap | ESD2000 | 016 | EMC-PARTNER | 2005/10/27 | 2006/10/26 |
| ETSTW-EMS 008 | Safety Test Solutions | ELT-400 | E-0039 | Narda | 2005/1/4 | 2007/1/3 |
| ETSTW-EMS 009 | Magnetic Field Antenna | MF1000-1 | 104 | EMC-PARTNER | 2004/12/3 | 2007/12/2 |
| ETSTW-EMS 010 | Coupling De-coupling Network | CDN-UTP8 | 014 | EMC-PARTNER | 2005/9/1 | 2008/8/31 |
| ETSTW-EMS 012 | EM Injection Clamp | F-2031-23MM | 476 | FCC | 2005/8/11 | 2007/8/11 |
| ETSTW-RS 003 | RF Power Amplifier | 30S1G3 | 306933 | AR | | |
| ETSTW-RS 004 | RF Power Amplifier | 150W1000 | 307009 | AR | 2005/10/21 | 2006/10/20 |
| ETSTW-RS 005 | Electric Field Probe Type 8.3 | EMR-20 | BN 2244/20 | Narda | 2005/9/7 | 2006/9/6 |
| ETSTW-RS 006 | SIGNAL GENERATOR | SML03 | 101551 | R&S | 2005/10/21 | 2006/10/20 |
| ETSTW-GSM 01 | SIM Simulator | IT3 | B2004-50106 | ORGA | 2005/9/15 | 2006/9/14 |
| ETSTW-GSM 02 | Universal Radio Communication Tester | CMU 200 | 103489 | R&S | 2005/11/15 | 2006/11/14 |
| ETSTW-GSM 03 | Agilent 8960 Test Set 1 | E5515C | GB44052675 | Agilent | 2004/7/14 | 2006/7/13 |
| ETSTW-GSM 04 | Agilent 8960 Test Set 2 | E5515C | GB44052665 | Agilent | 2004/7/14 | 2006/7/13 |
| ETSTW-GSM 05 | Agilent 8960 Test Set 3 | E5515C | GB44052652 | Agilent | 2004/7/17 | 2006/7/16 |
| ETSTW-GSM 06 | Agilent 8960 Test Set 4 | E5515C | GB44052684 | Agilent | 2004/7/16 | 2006/7/15 |
| ETSTW-GSM 07 | Agilent 8960 Test Set 5 | E5515C | GB44052658 | Agilent | 2004/7/14 | 2006/7/13 |
| ETSTW-GSM 08 | Agilent 8960 Test Set 6 | E5515C | GB44052666 | Agilent | 2004/7/16 | 2006/7/15 |

Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

| | | | | | | |
|--------------|-----------------------------------|-----------------|------------|----------------|------------|------------|
| ETSTW-GSM 10 | Combiner Wessex / Anite | B4605/100 | 053 | Wessex / Anite | 2004/7/14 | 2006/7/13 |
| ETSTW-GSM 11 | GSM 850,900,1800,1900 Test system | TS8950G | | R&S | 2005/11/1 | 2006/10/31 |
| ETSTW-GSM 12 | Acoustical Calibrator | 4231 | 2463874 | Brüel&Kjær | 2005/10/31 | 2006/10/30 |
| ETSTW-GSM 13 | Conditioning Amplifier | 2690--0S2 | 2437856 | Brüel&Kjær | | |
| ETSTW-GSM 14 | Telephone Test Head | 4602B | 2465324 | Brüel&Kjær | | |
| ETSTW-GSM 15 | Mouth Simulator | 4227 | 2462516 | Brüel&Kjær | | |
| ETSTW-GSM 16 | TEMP.&HUMIDITY CHAMBER | GTH-120-40-1P-U | MAA0501002 | GIANT FORCE | 2005/12/29 | 2006/12/28 |
| ETSTW-GSM 17 | ANTENNT COPLER | CMU-Z10 | 100988 | R&S | | |
| ETSTW-GSM 18 | AUDIO ANALYZER | UPL16 | 100173 | R&S | 2005/10/29 | 2006/10/28 |
| ETSTW-GSM 23 | SPLITTER | 4901.19.A | None | SUHNER | | |
| ETSTW-GSM 24 | Vibration Testing System | VS-100V | 5494 | Vibration | 2005/12/20 | 2006/12/19 |

Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 using a 50 μ H LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2003 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was 23°C with a humidity of 40 %.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB μ V) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

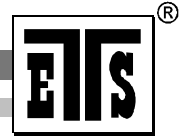
Freq (MHz) METER READING + ACF + CABLE LOSS (to the receiver) = FS
33 20 dB μ V + 10.36 dB + 6 dB = 36.36 dB μ V/m @3m

The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2003 Section 13.1.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

Measurements were made by ETS Dr.Genx Taiwan PS Co., Ltd. at the registered open field test site located at No.5-1, Shuang Sing Village, LiShuei Rd., Wanli Township, Taipei County 207, Taiwan (R.O.C.) The Registration Number: 930600.



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:

Average = Peak + Duty Factor

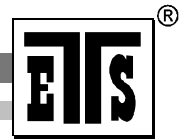
Duty Factor = $20 \log (\text{dwell time}/T)$

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANTENNA & GROUND:

This unit uses Dipole Antenna (see photos)

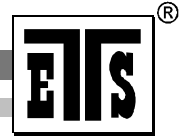


Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3 Test results (enclosure)

| TEST CASE | Para. Number | Required | Test passed | Test failed |
|-------------------------------------------------------|--------------|-------------------------------------|-------------------------------------|--------------------------|
| Peak Output Power | 15.247(b)(3) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equivalent radiated Power | 15.247(b)(3) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions radiated – Transmitter operating | 15.247(c) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Band Edge Measurement | 15.247(c) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Minimum 6 dB Bandwidth | 15.247(a)(2) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Peak Power Spectral Density | 15.247(d) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Radiated Emission from Digital Part And Receiver L.O. | 15.109 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Power Line Conducted Emission | 15.207 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The follows is intended to leave blank.



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

| Test condition | | Conducted Power | | |
|------------------------------------------------------|--------------------|-----------------|-----------|-----------|
| | | Channel A | Channel B | Channel C |
| | | [dBm] | [dBm] | [dBm] |
| $T_{nom} = \langle BZT_TEMP_NORM \rangle ^\circ C$ | $V_{nom} = 120\ V$ | 16.08 | 16.42 | 16.49 |
| Measurement uncertainty | | < 3 dB | | |

| Test condition | Signal Field strength TX highest power mode |
|------------------------------------------|---------------------------------------------|
| $T_{nom} = 23^\circ C, V_{nom} = 120\ V$ | dB $\mu V/m$ |
| Frequency [MHz] | |
| 2437 | 110.38 |
| Measurement uncertainty | < 3 dB |

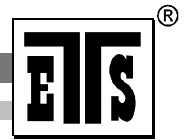
Remarks: The diagrams for the field strength measurements are included in Appendix.

Limits:

| Frequency MHz | Power dBm |
|------------------|--------------|
| 902 - 928 | 30 |
| 2400 – 2483.5 | 30 |
| 5725 – 5850 | 30 |

In case of employing transmitter antennas having antenna gain > 6 dBi and using fixed point-to-point operation consider §15.247 (b)(4)

Test equipment used: ETSTW-RE 003 , ETSTW-RE 012 , ETSTW-RE 017 , ETSTW-RE 024



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain
 EIRP = 16.49dBm + 2.09dBi
 = 18.58dBm

Limit: EIRP = +36 dBm for Antenna gain <6dBi

3.2.1 Transmitter

Integral Antenna:

At the transmitter the measurement was transacted with the modulation declared by the manufacturer and the maximum available output power of the EUT.

In this arrangement the EUT fulfils the requirements of the FCC rules § 15.247, subpart C, section b.

3.3 RF Exposure Compliance Requirements

The test sample is a WLAN access point intended for fixed installation.

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density

P – Output power ERP

R – Distance

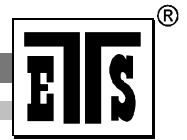
D – Cable Loss

AG – Antenna Gain G = AG-D

| Item | Unit | Value | Remarks |
|------|--------------------|----------|------------------|
| P | mW | 44.57 | Peak value |
| D | dB | | |
| AG | dBi | 2.09 | |
| G | | 1.6 | Calculated Value |
| R | cm | 20 | Assumed value |
| S | mW/cm ² | 0.014187 | Calculated value |

Limits:

| Limit for General Population / Uncontrolled Exposure | |
|------------------------------------------------------|-------------------------------------|
| Frequency (MHz) | Power Density (mW/cm ²) |
| 1500 – 100.000 | 1,0 |



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.4 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35

Radiated emission measurements were performed from 30 MHz to 1000 MHz.

For radiated emission tests, the analyzer setting was as followings:

Frequency \leq 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)

Frequency $>$ 1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)

Frequency $>$ 1 GHz , RBW:1 MHz , VBW: 100Hz (Average measurements)

Limits.

For frequencies below 1GHz:

| Frequency of Emission (MHz) | Field strength (microvolts/meter) | Field Strength (dB microvolts/meter) |
|-----------------------------|-----------------------------------|--------------------------------------|
| 30 - 88 | 100 | 40.0 |
| 88 - 216 | 150 | 43.5 |
| 216 - 960 | 200 | 46.0 |
| Above | 500 | 54.0 |

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of DSSS Systems:

“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

$$\text{Duty cycle correction} = 20 \log (\text{dwell time} / 100\text{ms})$$

No duty cycle correction was added to the reading.

$$54.0\text{dB } \mu\text{V/m} + 20 \text{ dB} = 74 \text{ dB } \mu\text{V/m}$$

Remarks: see attached diagrams

Test equipment used: ETS 0125, ETS 0271



Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

3.5 Spurious Emissions (tx)

Spurious emission was measured with modulation (declared by manufacturer).

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

FCC Rule: 15.247(c), 15.35

For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies below 1GHz:

Max. reading – 20 dB

110.38dB μ V/m- 20 dB= 90.38dB μ V/m

Guidance on Measurement of DSSS Systems:

“If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = $20 \log(\text{dwell time}/100\text{ms})$

For frequencies above 1GHz (Peak measurements).

Limit = max. aver. Reading-20dB+20dB(because Peak detector is used)

90.38dB μ V/m

For frequencies above 1GHz (Average measurements).

Max. reading – 20dB

No duty cycle correction was added to the reading

110.38dB μ V/m- 20 dB= 90.38dB μ V/m

Remarks: see attached diagrams

Test equipment used: ETSTW-RE 003 , ETSTW-RE 012 , ETSTW-RE 015 , ETSTW-RE 016 , ETSTW-RE 017 , ETSTW-RE 024

Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits.

In the Table being listed the critical peak and average value and exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Duty-Cycle Correction Factor".

Summary table with radiated data of the test plots

Channel 1

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| V | 35.791583 | 28.79 | 13.26 | PK | 42.05 | 90.38 | 48.33 | 185 |
| | 162.525050 | 18.33 | 15.35 | PK | 33.68 | 43.52 | 9.84 | 133 |
| | 360.320641 | 16.31 | 16.69 | PK | 33.0 | 90.38 | 57.38 | 313 |
| | 480.561122 | 15.33 | 19.59 | PK | 34.92 | 90.38 | 55.46 | 133 |
| | 2390.0 | 56.27 | 2.05 | PK | 58.32 | 74 | 15.68 | 162 |
| | 2390.0 | 41.06 | 2.05 | AV | 43.11 | 54 | 10.89 | 162 |
| | 4018.40247 | 44.80 | 3.32 | PK | 48.12 | 54 | 5.88 | 108 |

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| H | 35.791583 | 19.32 | 13.26 | PK | 32.58 | 90.38 | 57.80 | 277 |
| | 162.525050 | 25.56 | 13.35 | PK | 40.91 | 90.38 | 49.47 | 208 |
| | 432.464930 | 16.79 | 18.49 | PK | 35.28 | 90.38 | 5.51 | 173 |
| | 964.729459 | 12.93 | 27.24 | PK | 40.17 | 90.38 | 50.21 | 305 |
| | 2390.0 | 71.06 | 2.05 | PK | 73.11 | 74 | 0.89 | 108 |
| | 2390.0 | 51.23 | 2.05 | AV | 53.28 | 54 | 0.72 | 108 |
| | 4018.50576 | 55 | 3.32 | PK | 58.32 | 74 | 15.68 | 102 |
| | 4018.50576 | 43.13 | 3.32 | AV | 46.45 | 54 | 7.55 | 102 |

Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

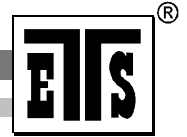
Channel 6

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuv) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| V | 36.132265 | 23.48 | 13.31 | PK | 36.79 | 90.38 | 53.59 | 181 |
| | 162.525050 | 23.19 | 15.35 | PK | 38.54 | 43.52 | 4.98 | 133 |
| | 360.320641 | 18.17 | 16.69 | PK | 34.86 | 90.38 | 55.52 | 321 |
| | 480.561122 | 13.38 | 19.59 | PK | 32.97 | 90.38 | 57.41 | 141 |
| | 1595.190381 | 56.34 | -7.06 | PK | 49.28 | 54 | 4.72 | 108 |
| | 4056.112224 | 42.97 | 3.57 | PK | 46.54 | 54 | 7.46 | 110 |

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| H | 36.132265 | 19.53 | 13.31 | PK | 32.84 | 90.38 | 57.54 | 276 |
| | 162.525050 | 20.19 | 15.35 | PK | 35.54 | 43.52 | 7.98 | 2.08 |
| | 432.464930 | 15.84 | 18.49 | PK | 34.33 | 90.38 | 56.05 | 181 |
| | 963.126253 | 11.79 | 27.24 | PK | 39.03 | 54 | 14.97 | 308 |
| | 2390.0 | 53.82 | 2.05 | PK | 55.87 | 74 | 18.13 | 108 |
| | 2390.0 | 40.51 | 2.05 | AV | 42.56 | 54 | 11.44 | 108 |
| | 2483.5 | 58.63 | -1.09 | PK | 59.72 | 74 | 14.28 | 165 |
| | 2483.5 | 43.89 | -1.09 | AV | 44.98 | 54 | 9.02 | 165 |
| | 4056.112224 | 46.59 | 3.57 | PK | 50.16 | 54 | 3.84 | 108 |

Channel 11

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuv) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| V | 36.132265 | 21.77 | 13.31 | PK | 35.08 | 90.38 | 55.3 | 186 |
| | 162.525050 | 22.29 | 15.35 | PK | 37.64 | 43.52 | 5.86 | 141 |
| | 358.717435 | 14.54 | 16.67 | PK | 31.21 | 90.38 | 59.17 | 317 |
| | 480.561122 | 13.99 | 19.59 | PK | 33.58 | 90.38 | 56.8 | 141 |
| | 2390.0 | 51.66 | 2.05 | PK | 53.71 | 54 | 0.29 | 108 |
| | 2483.5 | 72.42 | -1.09 | PK | 71.33 | 74 | 2.67 | 103 |
| | 2483.5 | 54.30 | -1.09 | AV | 53.21 | 54 | 0.79 | 103 |



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| H | 92.004008 | 24.78 | 10.83 | PK | 35.61 | 90.38 | 54.77 | 88 |
| | 162.525050 | 20.57 | 15.35 | PK | 35.92 | 43.52 | 7.6 | 214 |
| | 432.464930 | 14.78 | 18.49 | PK | 33.27 | 90.38 | 57.11 | 178 |
| | 964.729459 | 12.85 | 27.24 | PK | 40.09 | 54 | 13.91 | 133 |
| | 2384.11623 | 53.63 | 2.04 | PK | 55.67 | 74 | 18.33 | 108 |
| | 2384.11623 | 42.62 | 2.04 | AV | 44.66 | 54 | 9.34 | 108 |
| | 2483.5 | 66.41 | -1.09 | PK | 65.32 | 74 | 8.68 | 96 |
| | 2483.5 | 51.97 | -1.09 | AV | 50.88 | 54 | 3.12 | 96 |
| | 4123.712432 | 45.48 | 2.75 | PK | 48.23 | 54 | 5.77 | 164 |

- Note :**
1. Correction Factor = Antenna Factor + Cable Loss – Preamplifier.
 2. The formula of measured value as: Test Result = Corrected Reading + Correction Factor.
 3. Detector function in the form: P = Peak, QP = Quasi Peak, AV=Average.

Freq. – Frequency Range:

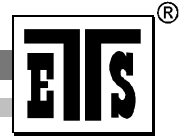
- 1: 30 - 200 MHz
- 2: 200 - 1000 MHz
- 3: 1 - 4 GHz
- 4: 4 - 8 GHz
- 5: 8 - 12 GHz
- 6: 12 - 17 GHz
- 7: 17 - 26.5 GHz

All not in the table noted test results are more than 20 dB below the relevant limits.
 All other not noted test polts do not contain significant test results in relation to the limits.

TEST RESULT (Transmitter): The unit DOES meet the FCC requirements.

Comment: see attached diagrams

Test equipment used: ETSTW-RE 003, ETSTW-RE 015, ETSTW-RE 016, ETSTW-RE 017, ETSTW-RE 024



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.6 Minimum 6 dB Bandwidth

The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission. The 6 dB bandwidth is the frequency difference between the two markers.

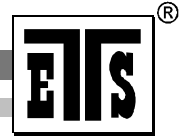
| Test conditions | | 6 dB Bandwidth | | |
|-------------------------|-------------------|------------------|------------------|------------------|
| | | Channel A | Channel B | Channel C |
| $T_{nom} = 23^{\circ}C$ | $V_{nom} = 120 V$ | 16.570512821 MHz | 16.570512821 MHz | 16.602564103 MHz |
| Measurement uncertainty | | | < 10 Hz | |

Limits:

| Frequency Range MHz | Limits |
|---------------------|-------------|
| 902-928 | min 500 kHz |
| 2400-2483.5 | min 500 kHz |
| 5725-5850 | min 500 kHz |

Test equipment used: ETSTW-CE 003 , ETSTW-RE 003

Comment: see attached diagram



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.7 Peak Power Spectral Density

Peak Power Spectral density is a measured at low, middle and high channel.
 The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

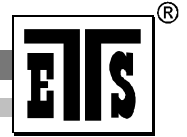
| Test conditions | | Peak Power Spectral Density (3 kHz) | | |
|-------------------------|--------------------|-------------------------------------|--------------------|--------------------|
| | | Channel A [dBm] | Channel B [dBm] | Channel C [dBm] |
| $T_{nom} = 23^{\circ}C$ | $V_{nom} = 120\ V$ | -14.11 | -13.94 | -14.28 |
| Measurement uncertainty | | < 3 Hz | | |

Limits:

| Frequency Range MHz | dBm |
|------------------------|-----|
| 902-928 | 8 |
| 2400-2483,5 | 8 |
| 5725-5850 | 8 |

Test equipment used: ETSTW-CE 003 , ETSTW-RE 003

Comment: see attached diagram



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.8 Radiated Emissions from Receiver Section of Transceiver

FCC Rule: 15.109

Summary table with radiated data of the test plots (RX)

Channel 1

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuv) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| V | 36.09844698 | 18.44 | 13.31 | QP | 31.75 | 40 | 8.25 | 241 |
| | 162.525050 | 22.58 | 15.35 | PK | 37.93 | 43.5 | 5.57 | 131 |
| | 302.605210 | 15.29 | 15.25 | PK | 30.54 | 46 | 15.46 | 201 |
| | 361.923848 | 14.87 | 16.70 | PK | 31.57 | 46 | 14.43 | 245 |
| | 631.262525 | 12.15 | 22.33 | PK | 34.48 | 46 | 11.52 | 247 |
| | 1595.190381 | 54.15 | -7.06 | PK | 47.09 | 54 | 6.91 | 129 |

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| H | 36.10345691 | 13.01 | 13.31 | QP | 26.32 | 40 | 13.68 | 265 |
| | 162.525050 | 20.78 | 15.35 | PK | 36.13 | 43.5 | 7.37 | 177 |
| | 240.080160 | 22.92 | 13.57 | PK | 36.49 | 46 | 9.51 | 172 |
| | 563.927856 | 12.69 | 22.84 | PK | 35.53 | 46 | 10.47 | 243 |
| | 963.126253 | 12.73 | 27.24 | PK | 39.97 | 54 | 14.03 | 216 |
| | 1595.190381 | 49.9 | -7.06 | PK | 42.84 | 54 | 11.16 | 129 |

Channel 6

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuv) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| V | 36.07840681 | 16.91 | 13.31 | QP | 30.22 | 40 | 9.78 | 247 |
| | 162.525050 | 22.88 | 15.35 | PK | 38.23 | 43.5 | 5.27 | 193 |
| | 358.717435 | 13.92 | 19.67 | PK | 33.59 | 46 | 12.41 | 198 |
| | 480.561122 | 12.92 | 19.59 | PK | 32.52 | 46 | 13.48 | 241 |
| | 631.262525 | 11.75 | 22.33 | PK | 34.08 | 46 | 11.92 | 246 |
| | 1595.190381 | 54.39 | -7.06 | PK | 47.33 | 54 | 6.67 | 136 |

Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| H | 35.791583 | 19.62 | 13.26 | PK | 32.88 | 40 | 7.12 | 241 |
| | 162.525050 | 21.62 | 15.35 | PK | 36.97 | 43.5 | 6.53 | 131 |
| | 238.476954 | 20.16 | 13.37 | PK | 33.53 | 46 | 12.47 | 185 |
| | 565.531062 | 12.84 | 22.85 | PK | 35.69 | 46 | 10.31 | 249 |
| | 964.729459 | 11.57 | 27.24 | PK | 38.81 | 54 | 15.19 | 211 |
| | 1595.190381 | 49.78 | -7.06 | PK | 42.72 | 54 | 11.28 | 133 |

Channel 11

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| V | 35.791583 | 23.29 | 13.26 | PK | 36.55 | 40 | 3.45 | 243 |
| | 162.525050 | 22.03 | 15.35 | PK | 37.38 | 43.5 | 6.12 | 191 |
| | 360.320641 | 18.37 | 16.69 | PK | 35.06 | 46 | 10.94 | 197 |
| | 480.561122 | 13.46 | 19.59 | PK | 33.05 | 46 | 12.95 | 239 |
| | 631.262525 | 12.53 | 22.33 | PK | 34.86 | 46 | 11.14 | 249 |
| | 1595.190381 | 53.98 | -7.06 | PK | 46.92 | 54 | 7.08 | 126 |

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|
| H | 36.132265 | 20.26 | 13.31 | PK | 33.57 | 40 | 6.43 | 248 |
| | 162.525050 | 20.61 | 15.35 | PK | 35.96 | 43.5 | 7.54 | 180 |
| | 430.861723 | 13.72 | 18.46 | PK | 32.18 | 46 | 13.82 | 231 |
| | 563.927856 | 15.8 | 22.84 | PK | 34.64 | 46 | 11.36 | 301 |
| | 631.262525 | 12.5 | 22.33 | PK | 34.83 | 46 | 11.17 | 245 |
| | 1595.190381 | 49.62 | -7.06 | PK | 42.56 | 54 | 11.44 | 132 |

Note : 1. Correction Factor = Antenna Factor + Cable Loss – Preamplifier.

2. The formula of measured value as: Test Result = Corrected Reading + Correction Factor.

3. Detector function in the form: P = Peak, QP = Quasi Peak, AV=Average.

Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

(Digital)

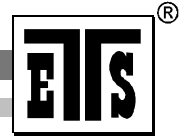
| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuv) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) | Antenna Height (cm) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|---------------------|
| V | 36.07339679 | 18.80 | 13.31 | QP | 32.11 | 40 | 7.89 | 271 | 192 |
| | 95.07014 | 20.66 | 11.00 | PK | 31.66 | 43.5 | 11.84 | 83 | 208 |
| | 155.03006 | 18.36 | 15.42 | PK | 33.78 | 43.5 | 9.72 | 143 | 124 |
| | 301.002004 | 13.25 | 15.26 | PK | 28.51 | 46 | 17.49 | 82 | 277 |
| | 358.717435 | 17.10 | 16.61 | PK | 33.71 | 46 | 12.29 | 317 | 311 |
| | 480.561122 | 17.04 | 19.59 | PK | 36.63 | 46 | 9.37 | 262 | 132 |

| Antenna Polarization | Frequency Marker (MHz) | Corrected Reading (dBuV) | Correction Factor (dB) | Detector | Test Result (dBuV/m) | Compliance Limit (dBuV/m) | Margin (dB) | Table Azimuth (degree) | Antenna Height (cm) |
|----------------------|------------------------|--------------------------|------------------------|----------|----------------------|---------------------------|-------------|------------------------|---------------------|
| H | 36.096442 | 16.35 | 13.31 | QP | 29.66 | 40 | 10.34 | 245 | 278 |
| | 95.070140 | 21.53 | 11.00 | PK | 32.53 | 43.5 | 10.97 | 79 | 172 |
| | 162.52505 | 20.98 | 15.35 | PK | 36.33 | 43.5 | 7.17 | 168 | 205 |
| | 238.476954 | 22.42 | 13.26 | PK | 35.68 | 46 | 10.32 | 315 | 323 |
| | 432.464930 | 16.64 | 18.54 | PK | 35.18 | 46 | 10.82 | 225 | 171 |
| | 631.262525 | 14.37 | 22.41 | PK | 36.78 | 46 | 9.22 | 318 | 218 |
| | 963.126253 | 11.44 | 27.24 | PK | 38.68 | 54 | 15.32 | 201 | 312 |

- Note :**
- 1. Correction Factor = Antenna Factor + Cable Loss – Preamplifier.**
 - 2. The formula of measured value as: Test Result = Corrected Reading + Correction Factor.**
 - 3. Detector function in the form: P = Peak, QP = Quasi Peak, AV=Average.**

Test equipment used: ETSTW-RE 015, ETSTW-RE 016, ETSTW-RE 017, ETSTW-CS 001, ETSTW-RE 026, ETSTW-RE 003, ETSTW-RE 025

Comment: see attached diagram



Registration number: W6M20603-6773-C-2
 FCC ID: RXZ-WP71RL

3.9 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

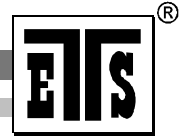
This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

| Frequency | Level (dBµV) | |
|-----------|------------------|------------------|
| | quasi-peak | average |
| 150 kHz | lower limit line | Lower limit line |

| LISN type | Frequency Marker | Corrected Reading (dBuV) | | Correction Factor | Test Result (dBuV) | | Compliance Limit (dBuV) | | Margin (dB) | |
|-----------|------------------|--------------------------|------|-------------------|--------------------|------|-------------------------|----|-------------|------|
| | | QP | AV | | dB | QP | AV | QP | AV | QP |
| N | MHz | QP | AV | dB | QP | AV | QP | AV | QP | AV |
| | 1.07778 | 34.5 | 33.4 | 10,1 | 44.5 | 43.5 | 56 | 46 | 11.5 | 12.5 |
| | 1.35939 | 34.3 | 33.4 | 10,1 | 44.4 | 43.5 | 56 | 46 | 11.5 | 2.5 |
| | 4.02140 | 27.3 | 21.8 | 10,1 | 37.4 | 31.9 | 56 | 46 | 28.6 | 14.1 |

| LISN type | Frequency Marker | Corrected Reading (dBuV) | | Correction Factor | Test Result (dBuV) | | Compliance Limit (dBuV) | | Margin (dB) | |
|-----------|------------------|--------------------------|------|-------------------|--------------------|------|-------------------------|----|-------------|------|
| | | QP | AV | | dB | QP | AV | QP | AV | QP |
| L1 | MHz | QP | AV | dB | QP | AV | QP | AV | QP | AV |
| | 0.68988 | 28.1 | 27.3 | 10,1 | 38.2 | 37.4 | 56 | 46 | 17.8 | 8.6 |
| | 1.07413 | 29.1 | 28.4 | 10,1 | 39.2 | 38.5 | 56 | 46 | 16.2 | 7.5 |
| | 4.08090 | 22.8 | 18.0 | 10,1 | 32.9 | 28.1 | 56 | 46 | 23.1 | 17.9 |

- Note :**
1. Correction Factor = Antenna Factor + Cable Loss – Preamplifier.
 2. The formula of measured value as: Test Result = Corrected Reading + Correction Factor.
 3. Detector function in the form: P = Peak, QP = Quasi Peak, AV=Average.



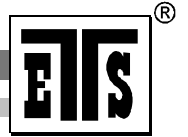
Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

Limits:

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|-----------------------------|------------------------|----------|
| | Quasi Peak | Average |
| 0.15-0.5 | 66 to 56 | 56 to 46 |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

Test equipment used: ETSTW-CE 004, ETSTW-CE 001, ETSTW-RE 023

Comment: see attached diagram



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

Appendix

- A Peak Output Power
- B Spurious Emissions radiated – Transmitter operating
- C Band Edge Measurement
- D Minimum 6dB Bandwidth
- E Peak Power Spectral Density
- F Radiated Emissions from Receiver Section of Transceiver
- G Power Line Conducted Emission
- H Pictures



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

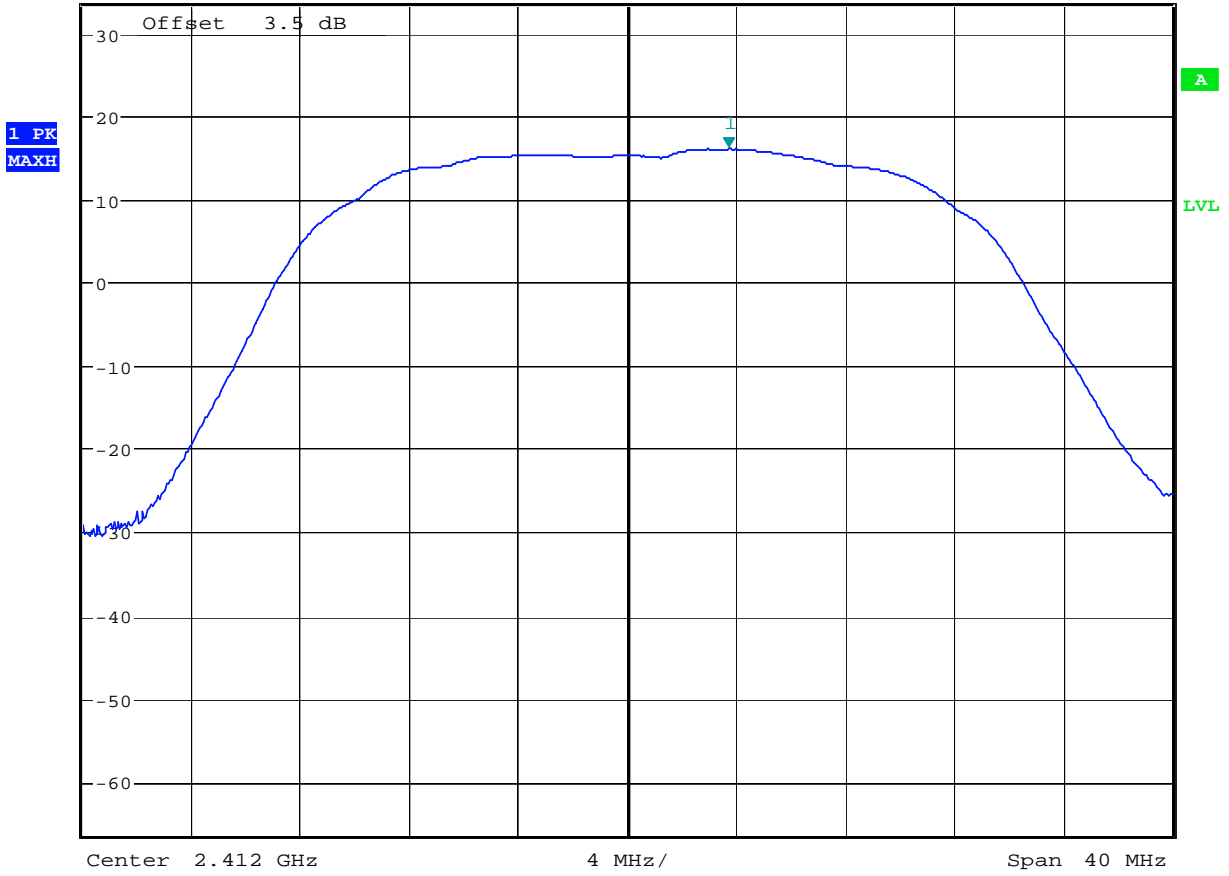
Appendix A

Peak Output Power

The measurement diagram are wideband pre-scan results; only for reference.



Ref 33.5 dBm *Att 30 dB *RBW 10 MHz Marker 1 [T1]
*VBW 10 MHz 16.08 dBm
*SWT 200 ms 2.415717949 GHz

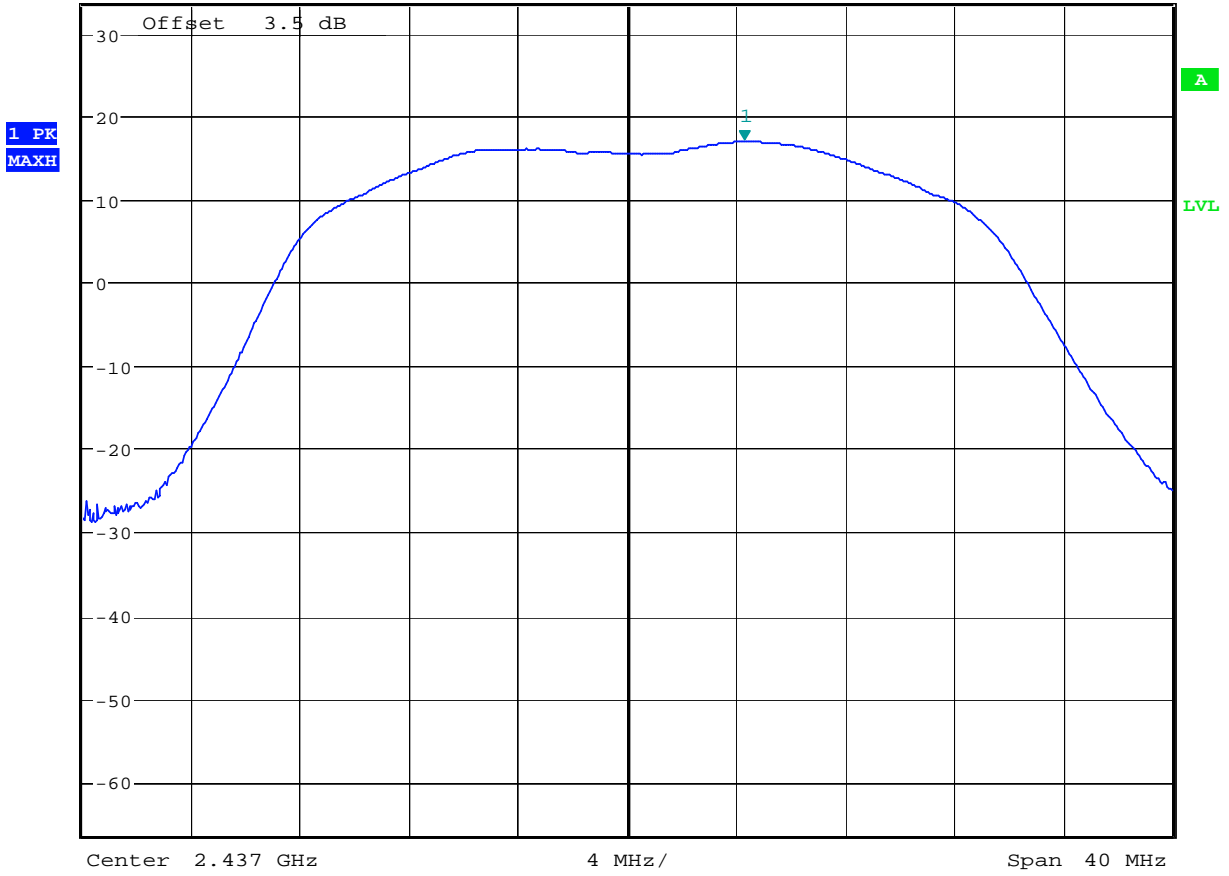


11G MAX OUTPUT POWER CH 1

Date: 14.APR.2006 10:23:22



Ref 33.5 dBm *Att 30 dB *RBW 10 MHz Marker 1 [T1]
*VBW 10 MHz 16.42 dBm
*SWT 200 ms 2.441294872 GHz

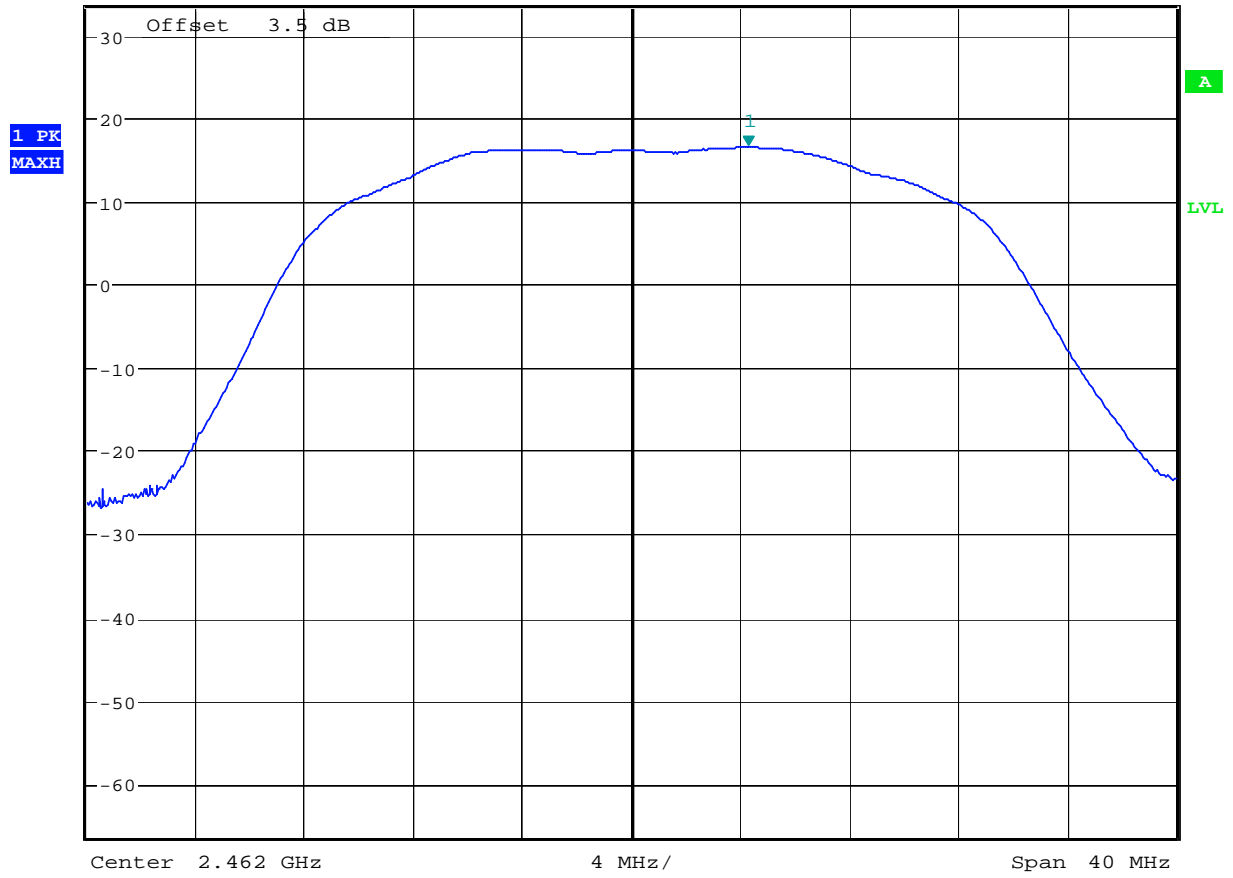


11G MAX OUTPUT POWER CH 6

Date: 14.APR.2006 10:31:56



Ref 33.5 dBm *Att 30 dB *RBW 10 MHz Marker 1 [T1]
*VBW 10 MHz 16.49 dBm
*SWT 200 ms 2.466294872 GHz



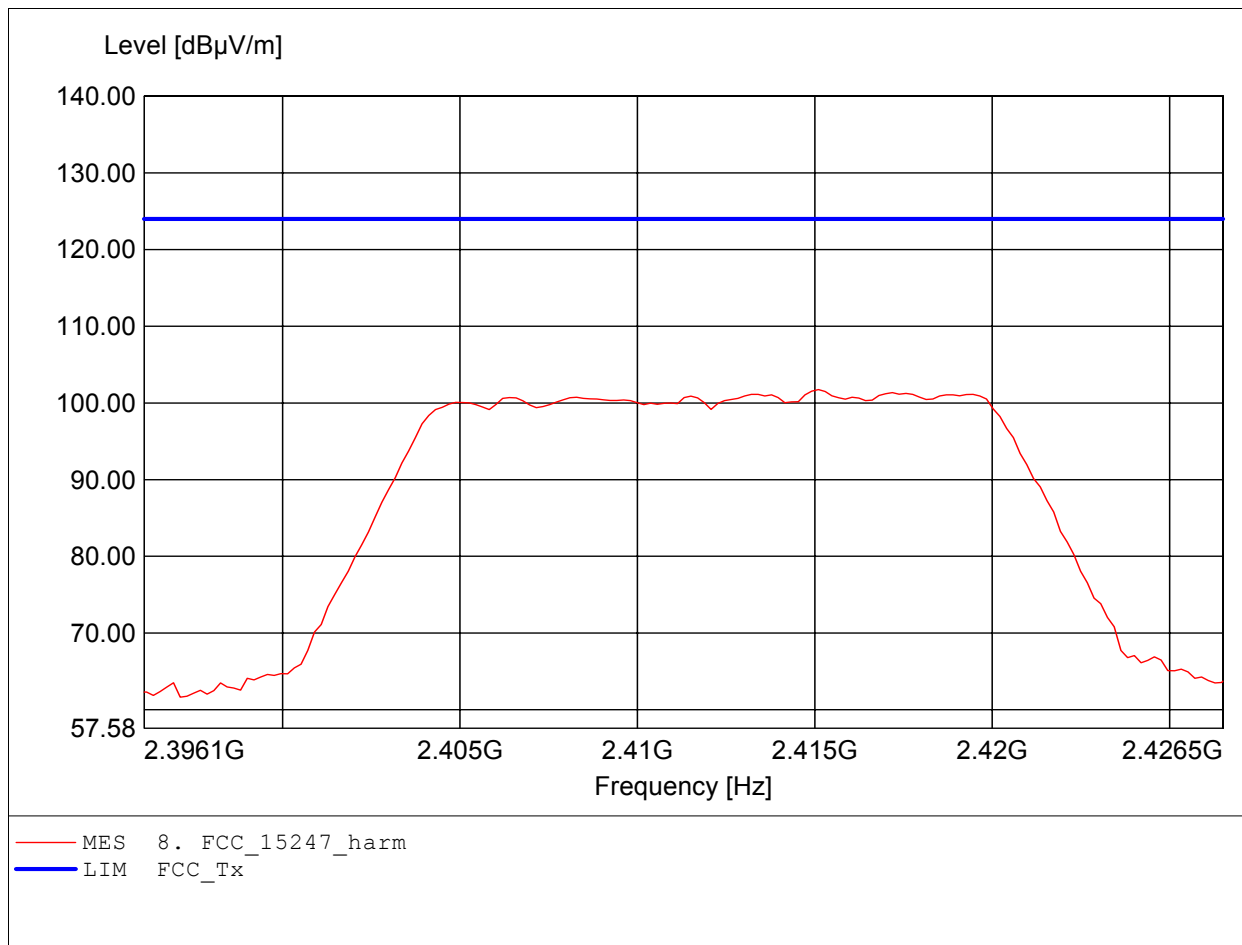
11G MAX OUTPUT POWER CH11

Date: 14.APR.2006 12:56:23

Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

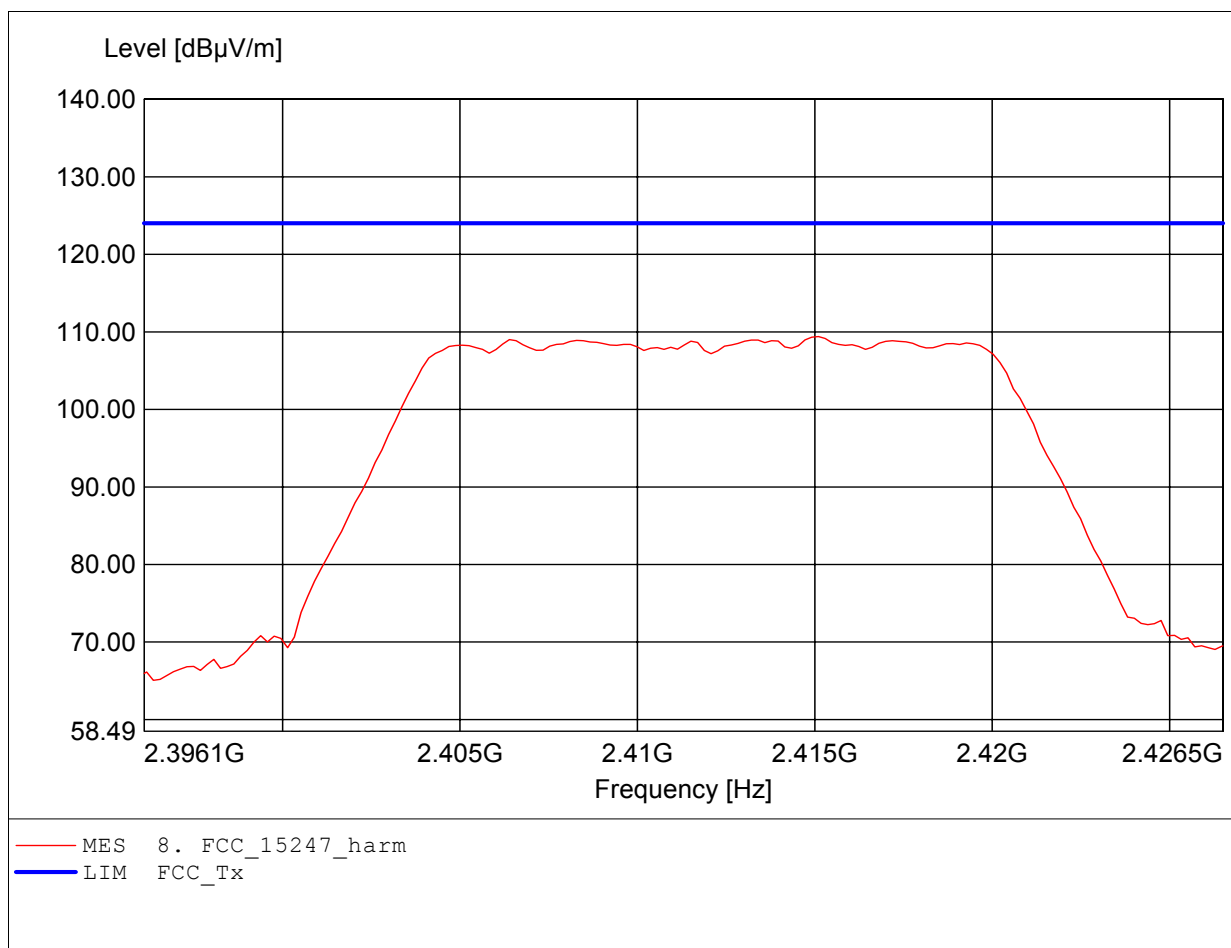
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Freq: 2.415GHz, Emax: 101.74dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

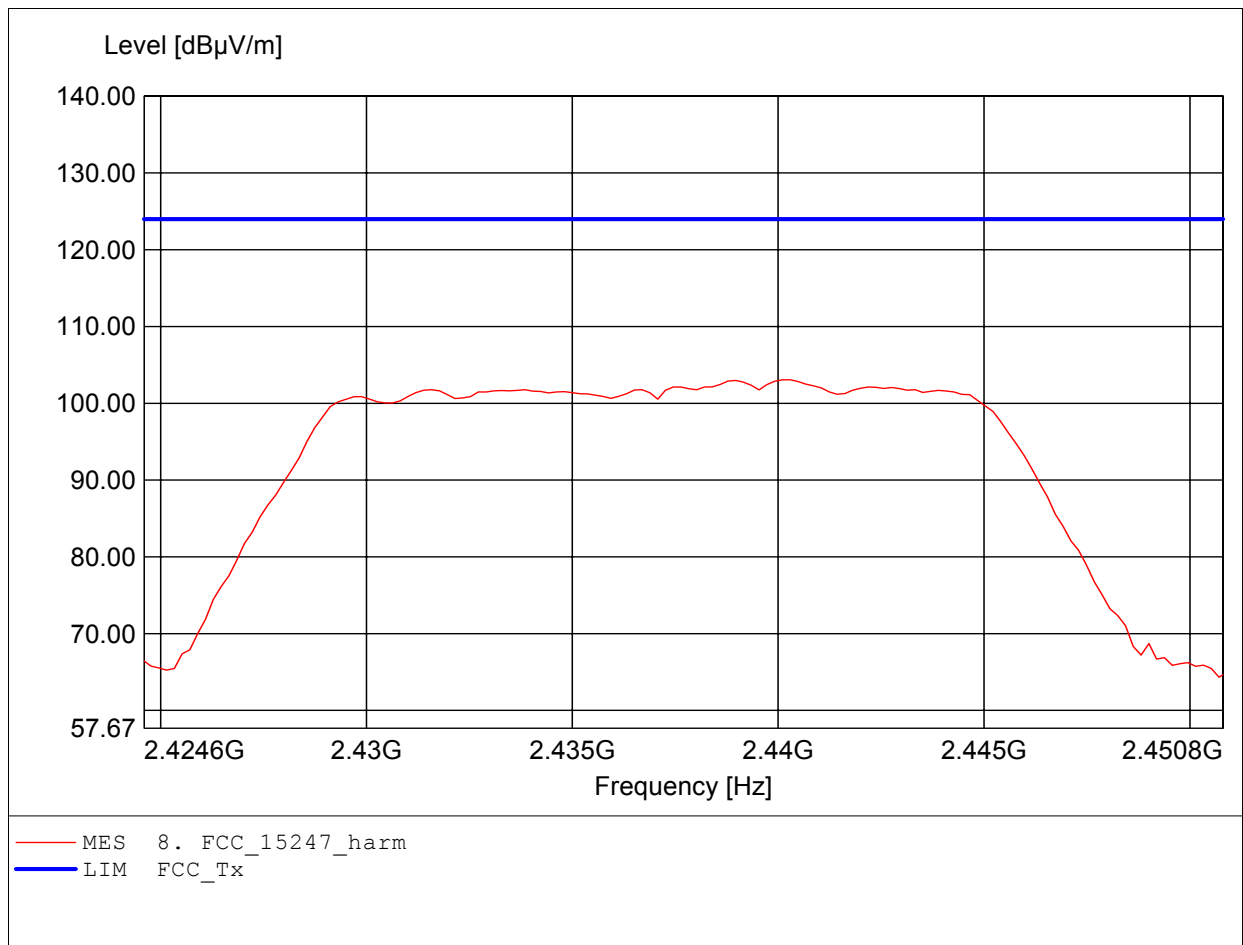
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Freq: 2.415GHz, Emax: 109.39dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

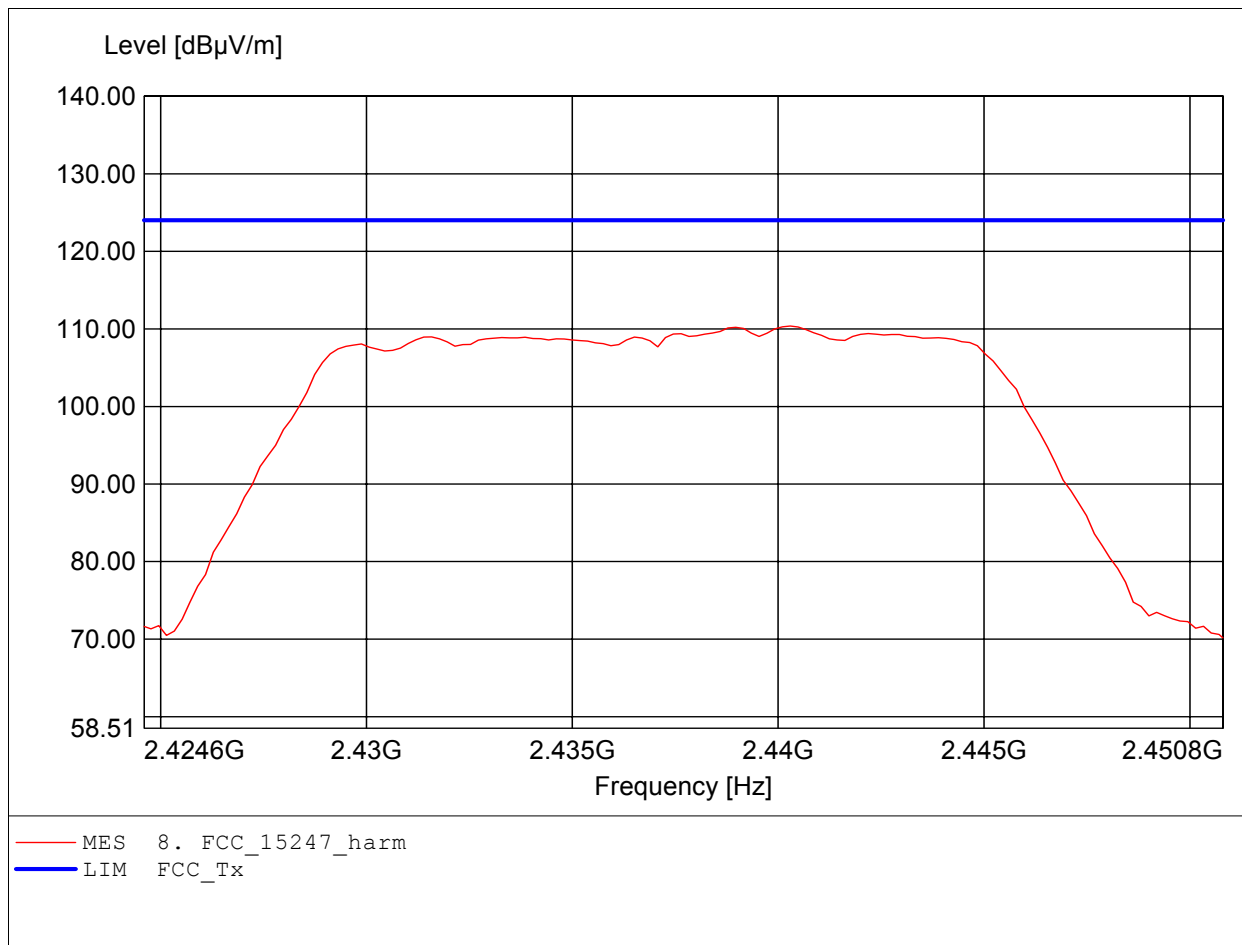
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Freq: 2.440GHz, Emax: 103.07dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

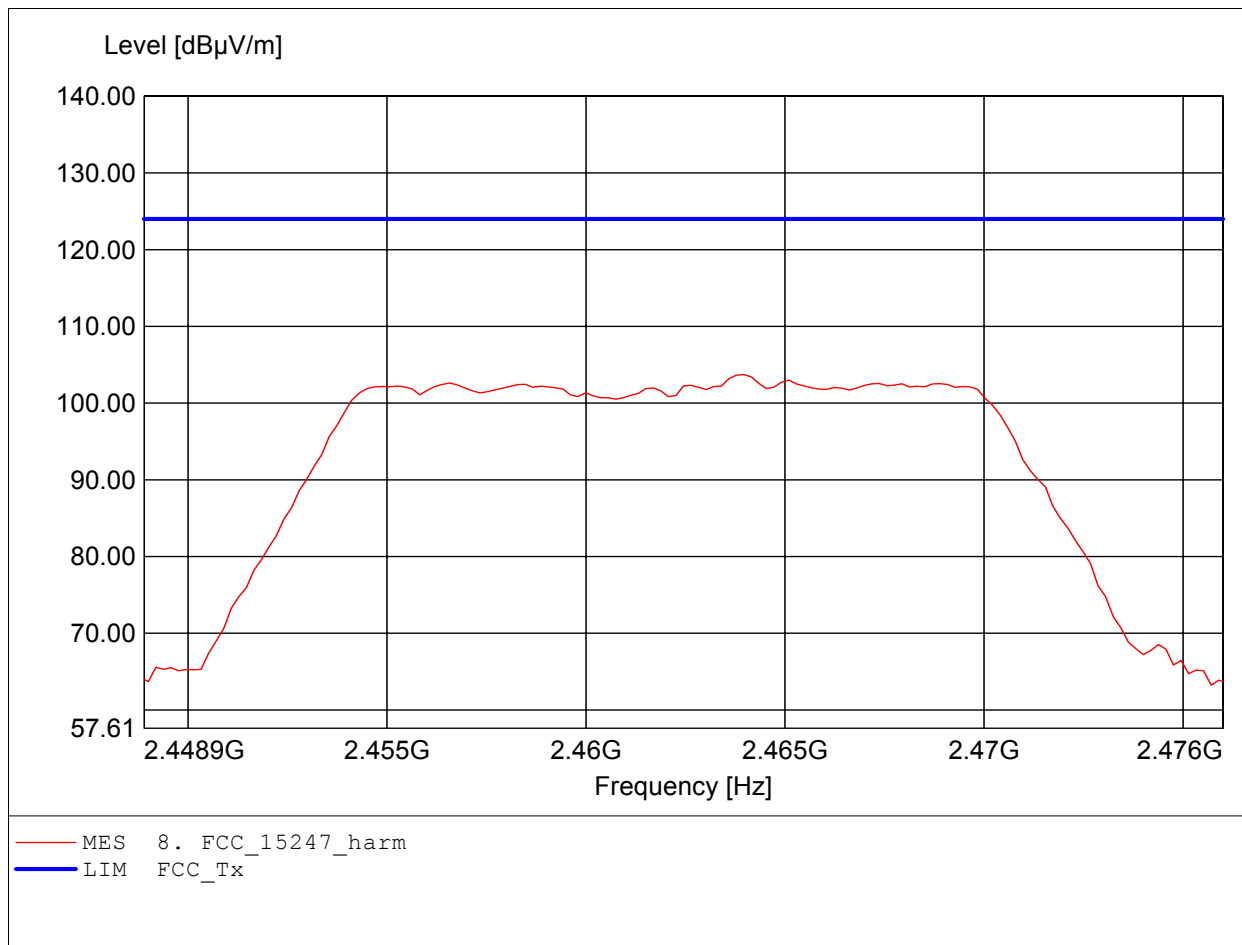
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Freq: 2.440GHz, Emax: 110.38dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

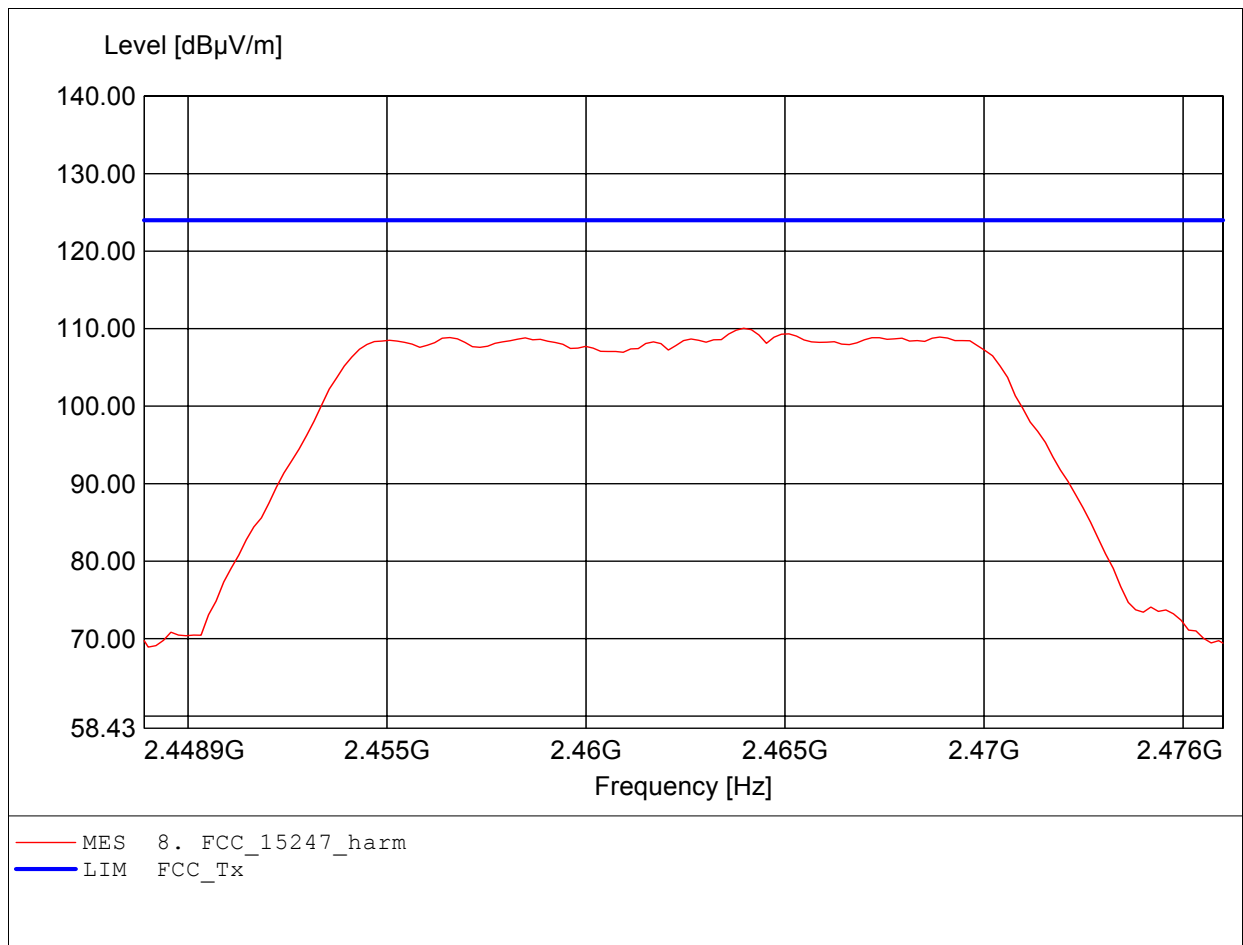
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Freq: 2.464GHz, Emax: 103.72dBµV/m, RBW: 1MHz



Carrier power (Field Strength)

FCC RULES PART 15, SUBPART C

EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL025
Freq: 2.464GHz, Emax: 110.05dBµV/m, RBW: 1MHz





Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

Appendix B

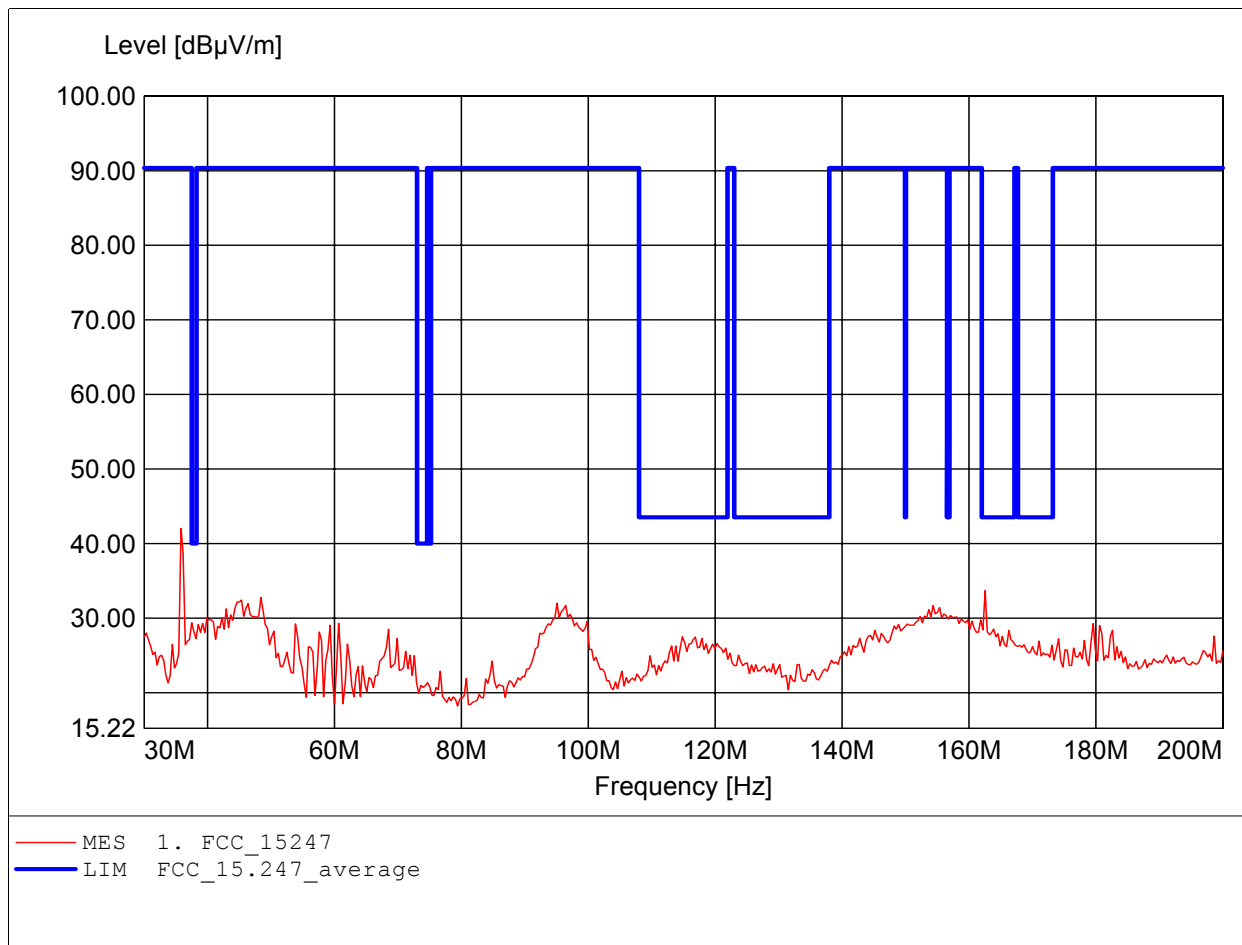
Spurious Emissions radiated – Transmitter operating

The measurement diagrams are wideband pre-scan results; only for reference. The final results are measured at OATS of 3 m. Please see final results as page 18 to 20.

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

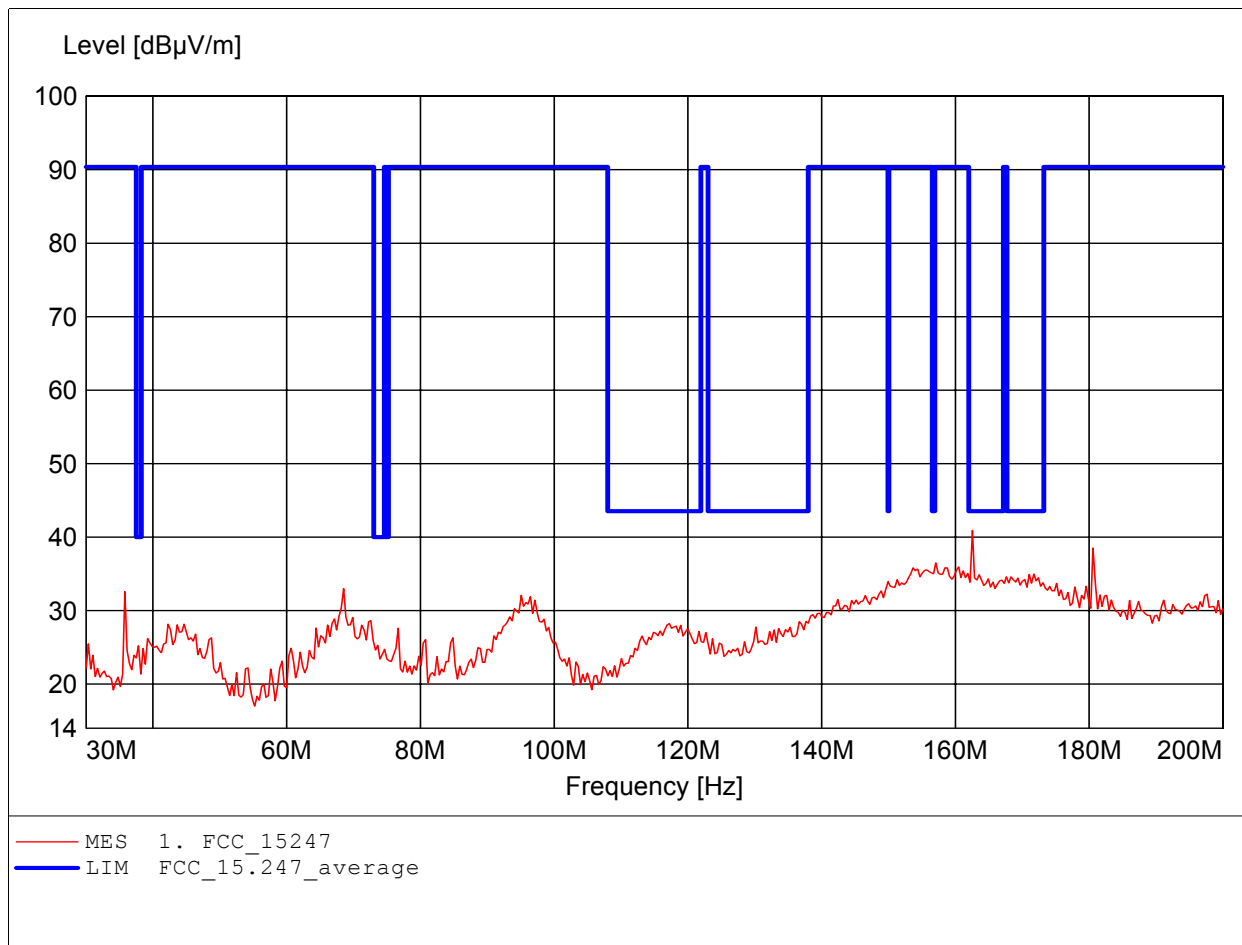
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 35.792MHz, Emax: 42.05dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

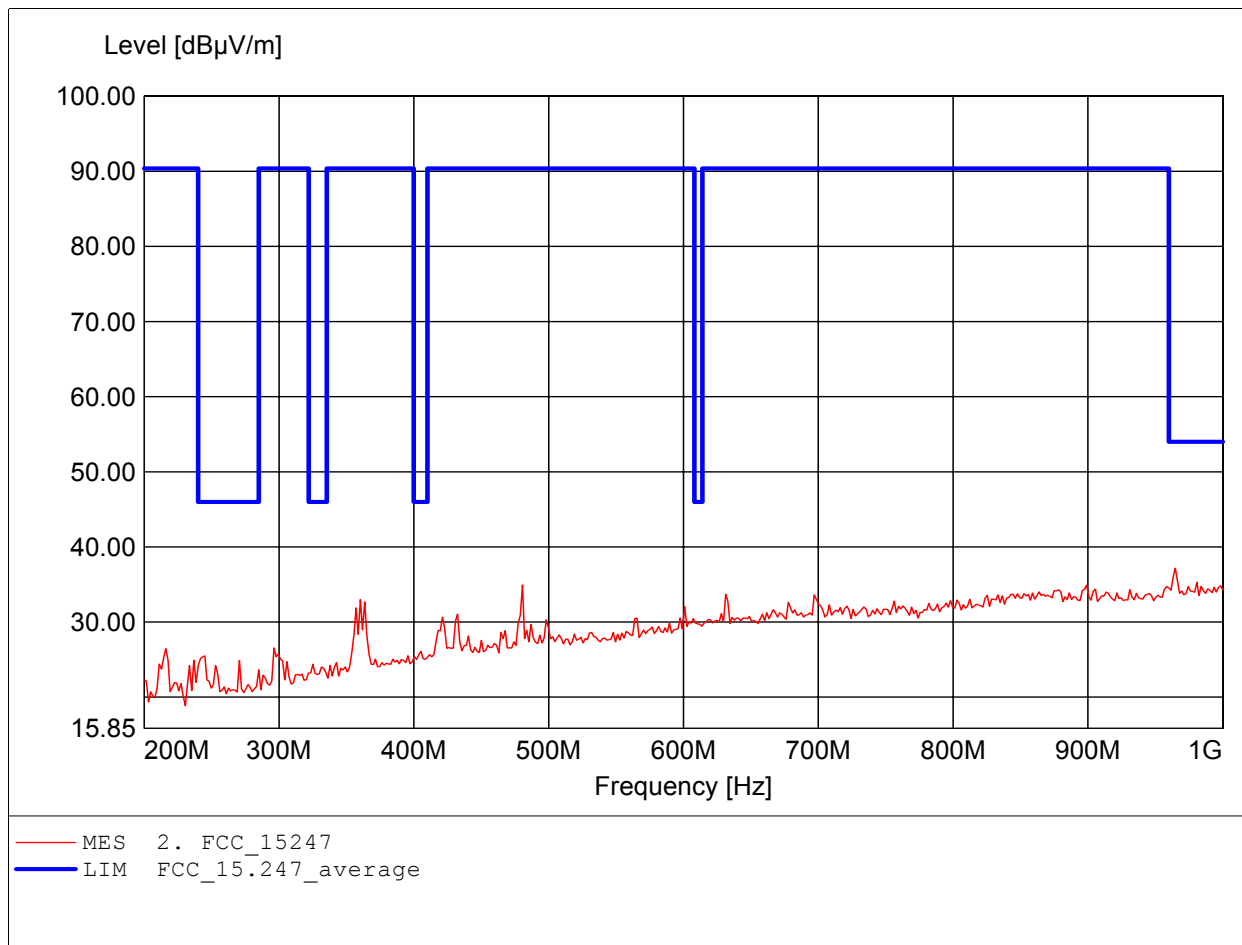
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 162.525MHz, Emax: 40.91dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

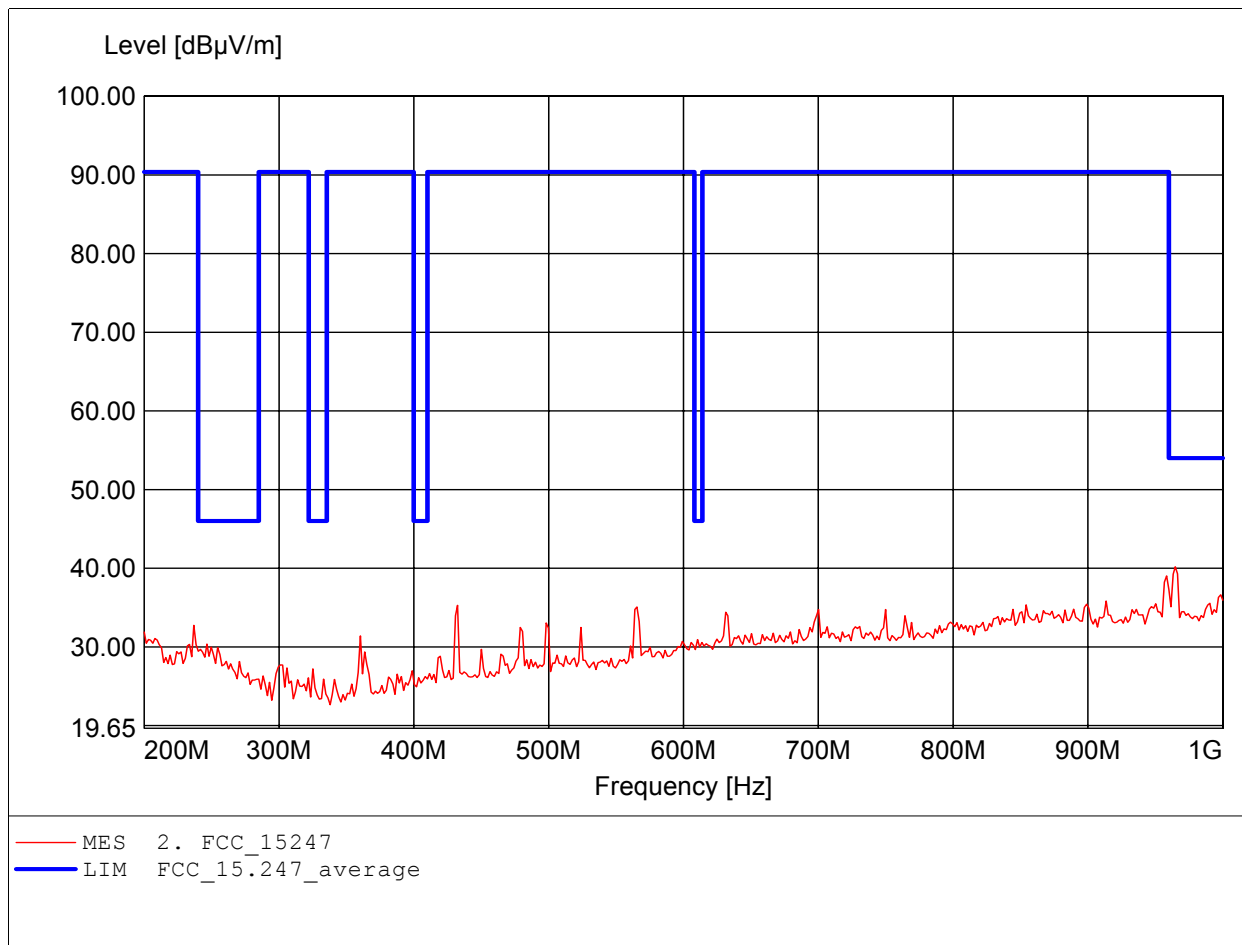
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 964.729MHz, Emax: 37.17dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

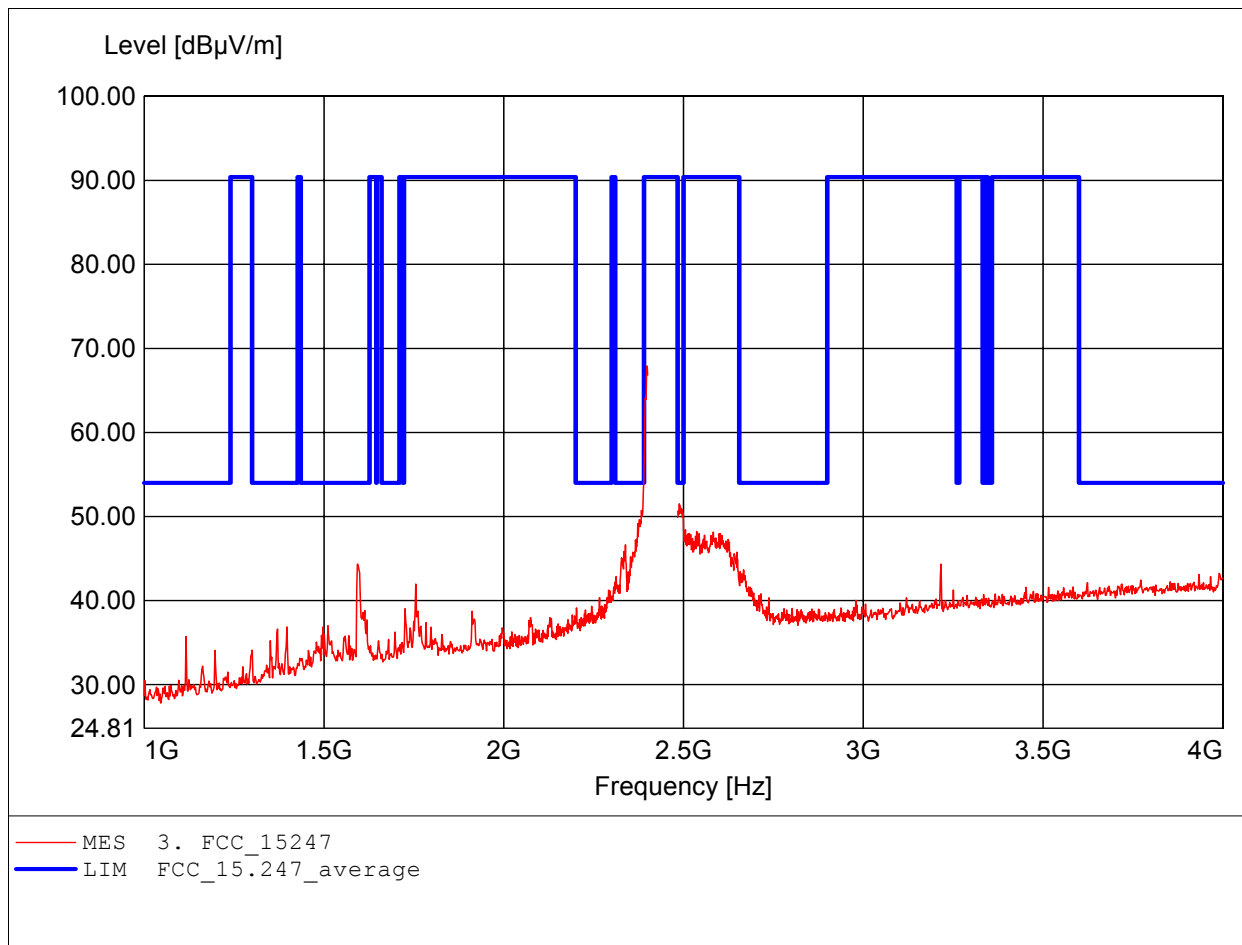
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 964.729MHz, Emax: 40.17dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

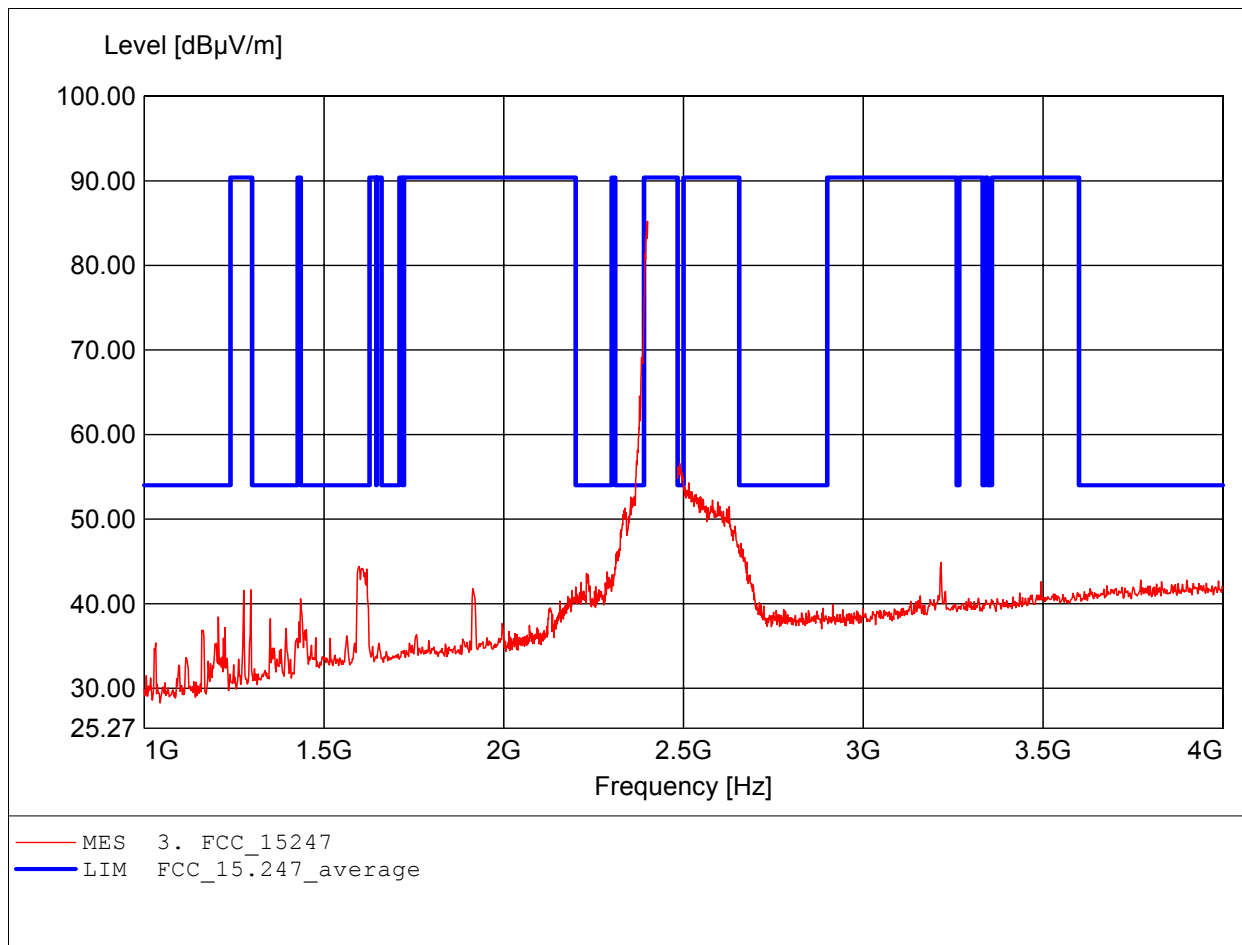
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.398GHz, Emax: 67.93dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

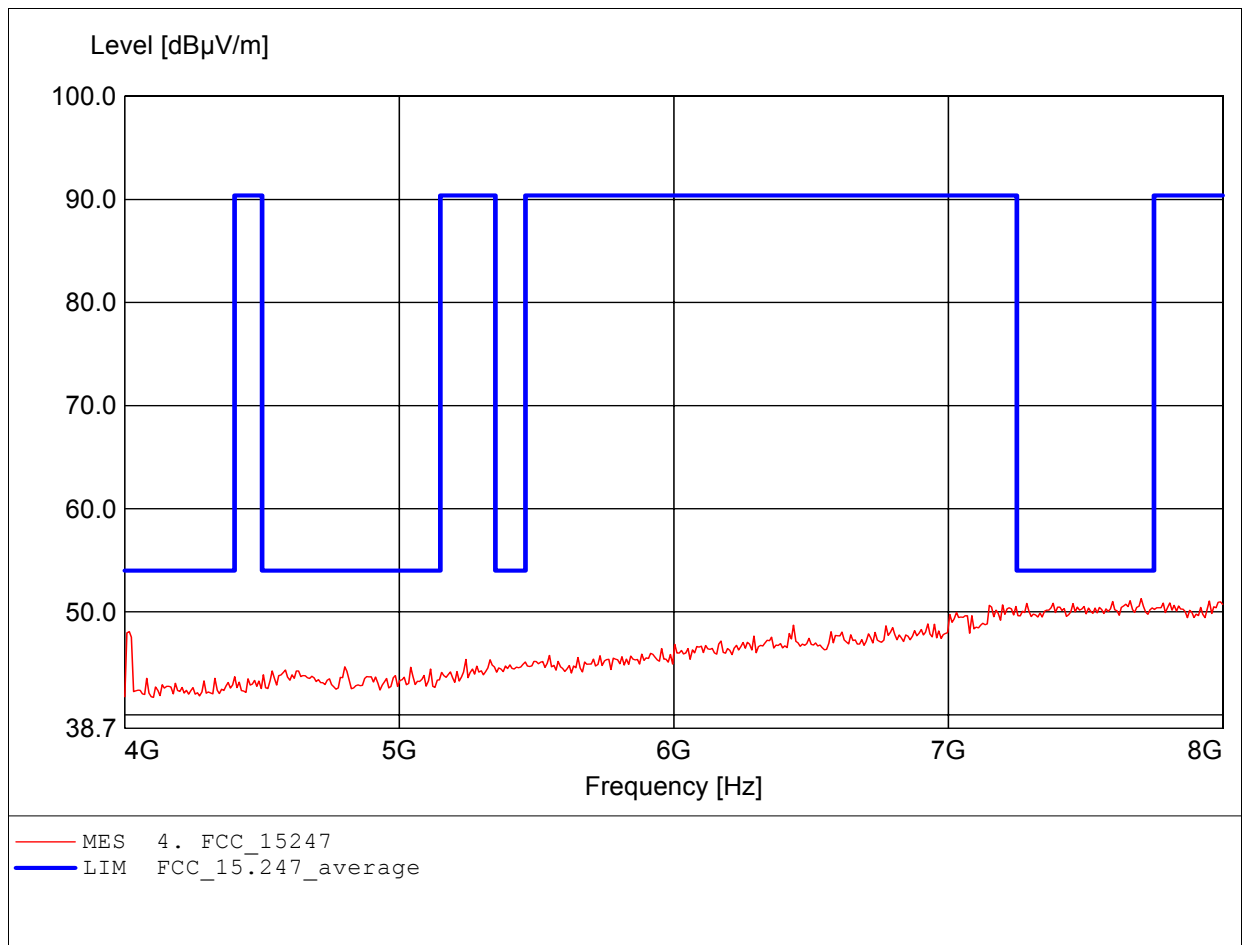
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.400GHz, Emax: 85.19dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

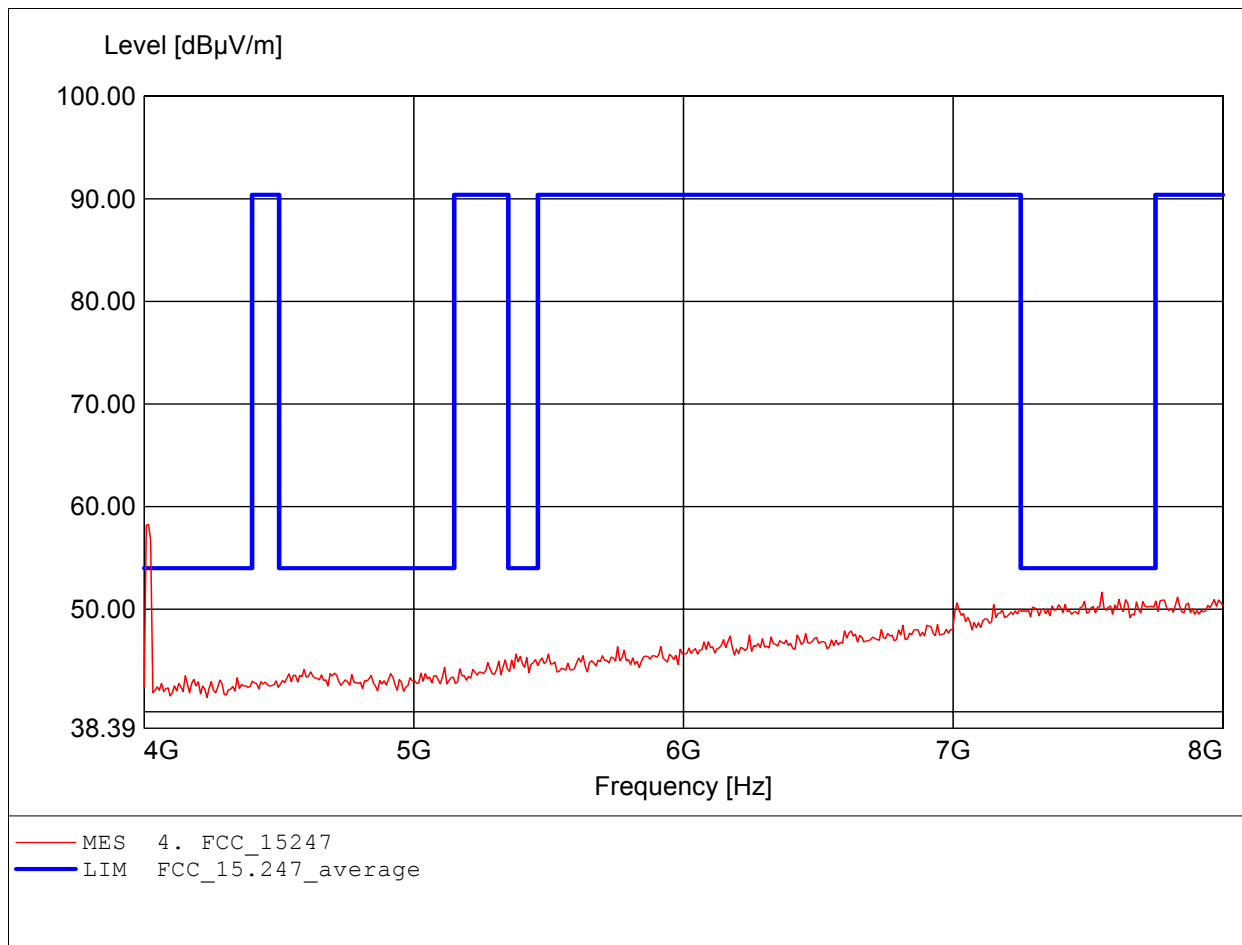
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.703GHz, Emax: 51.28dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

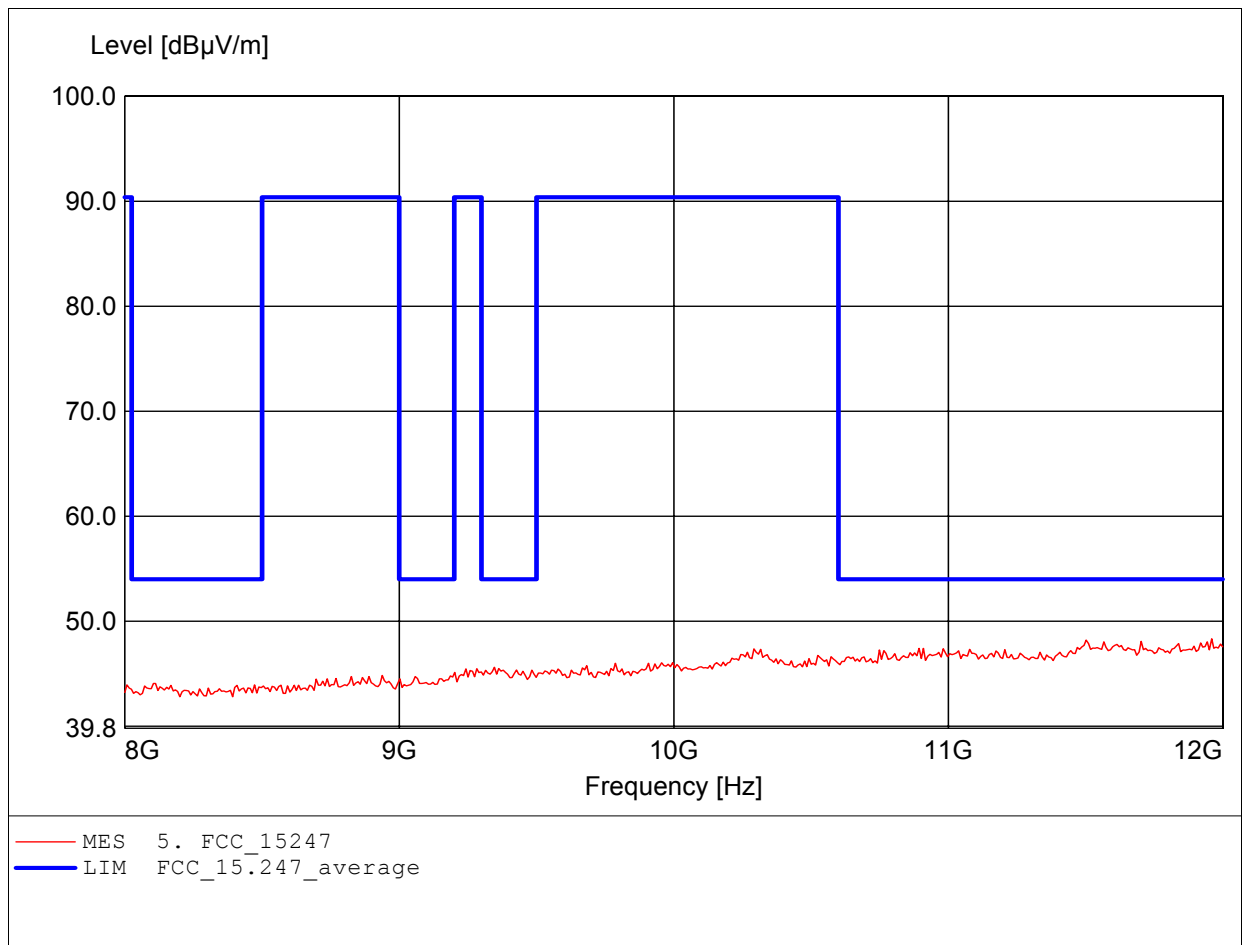
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 4.016GHz, Emax: 58.26dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

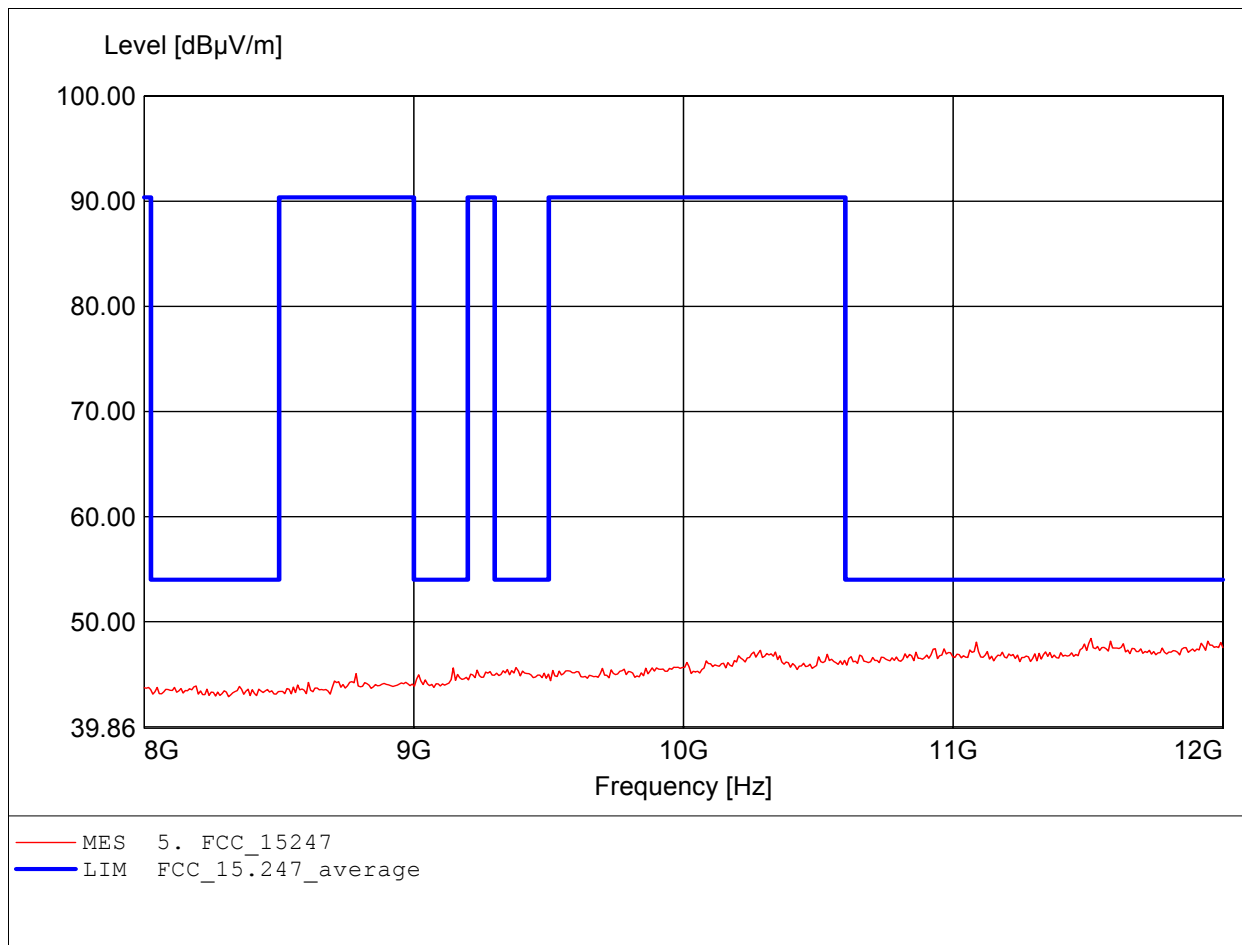
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.960GHz, Emax: 48.33dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

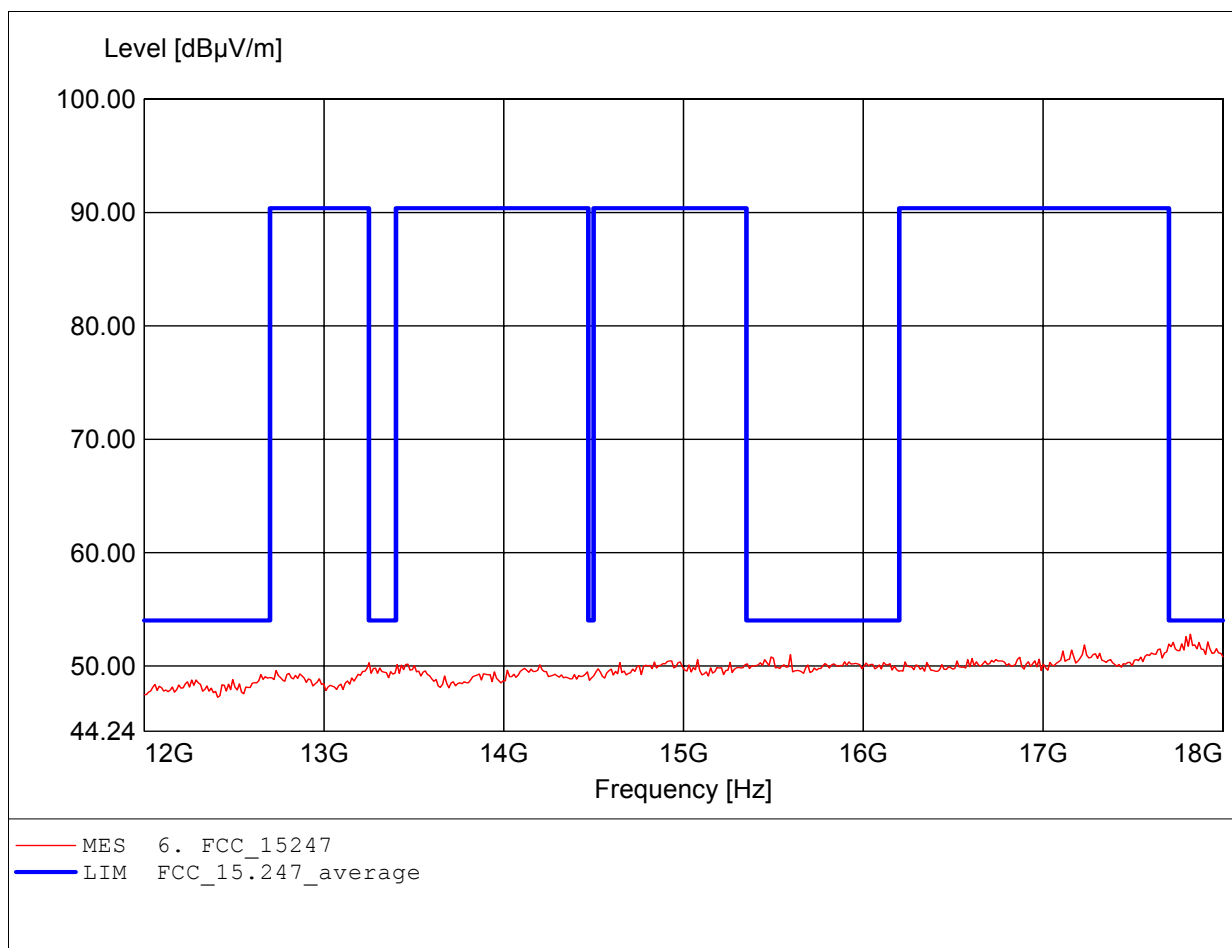
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.511GHz, Emax: 48.40dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

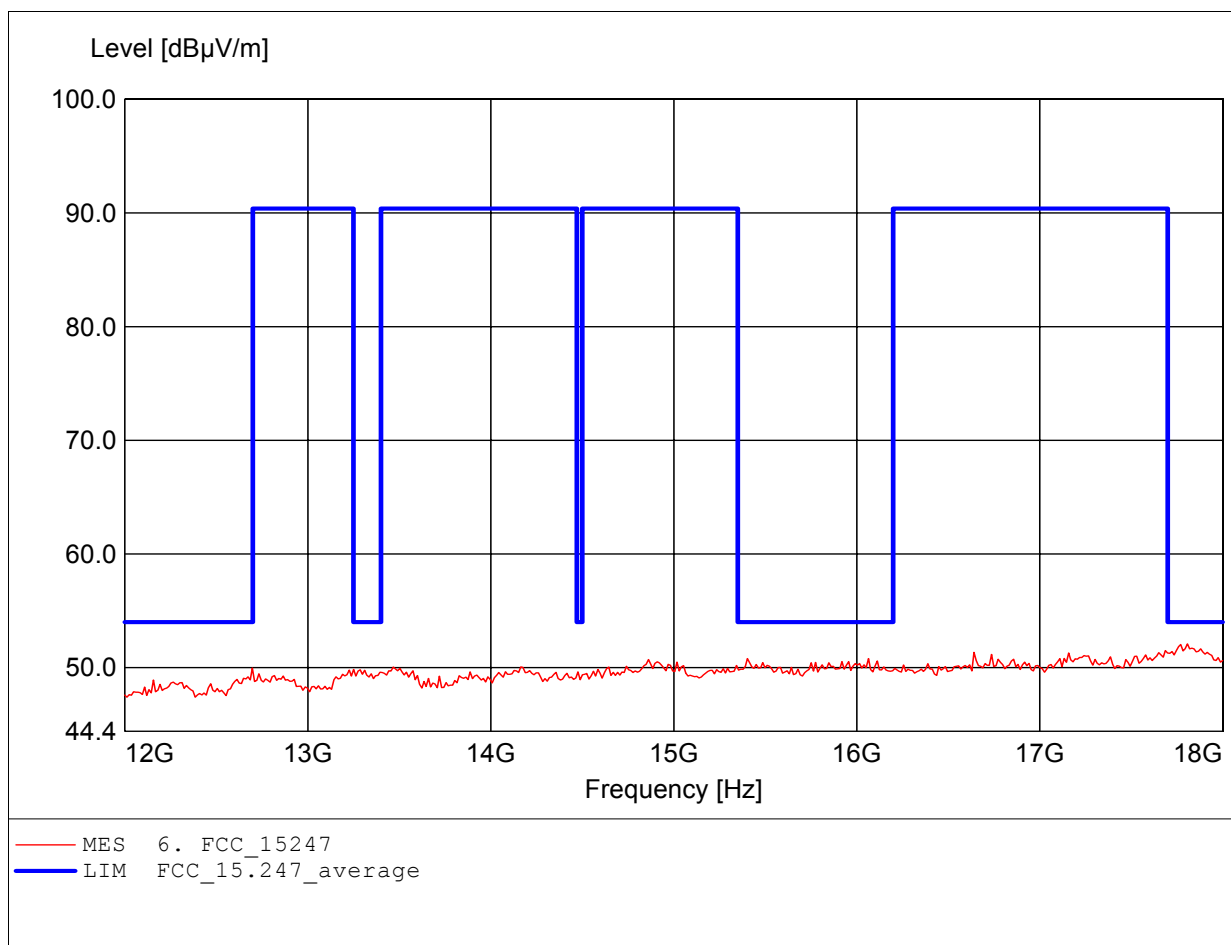
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.820GHz, Emax: 52.80dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

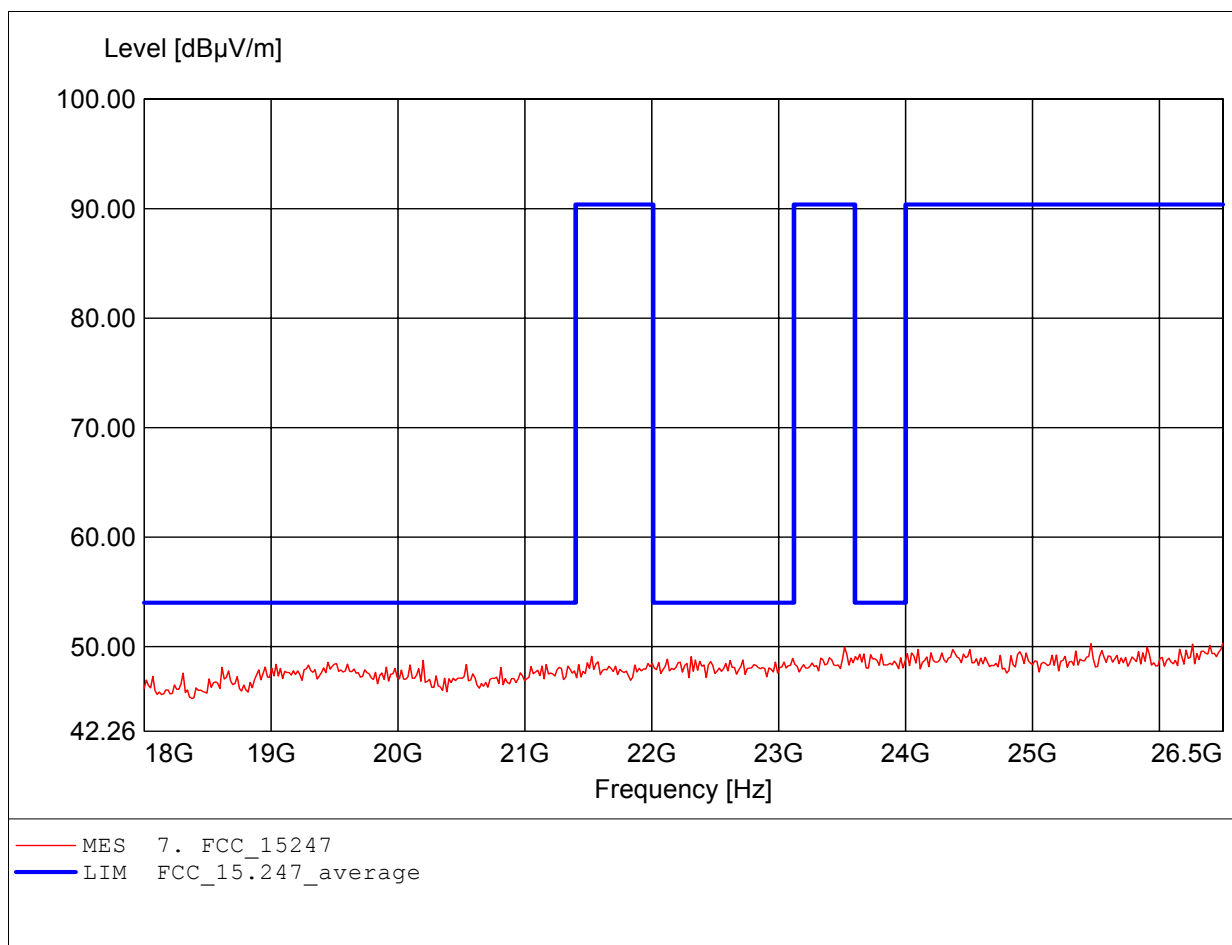
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.808GHz, Emax: 52.08dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

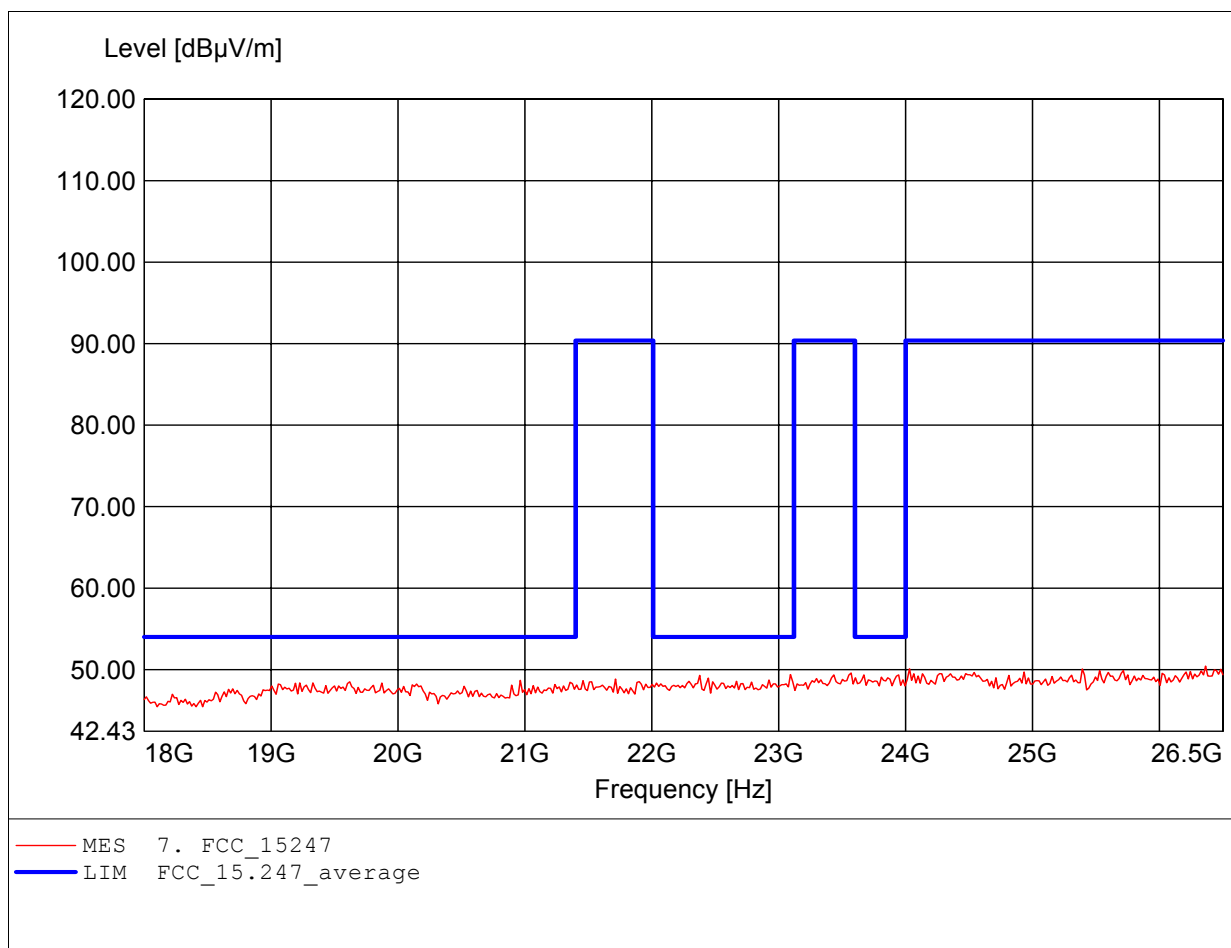
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.500GHz, Emax: 50.30dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

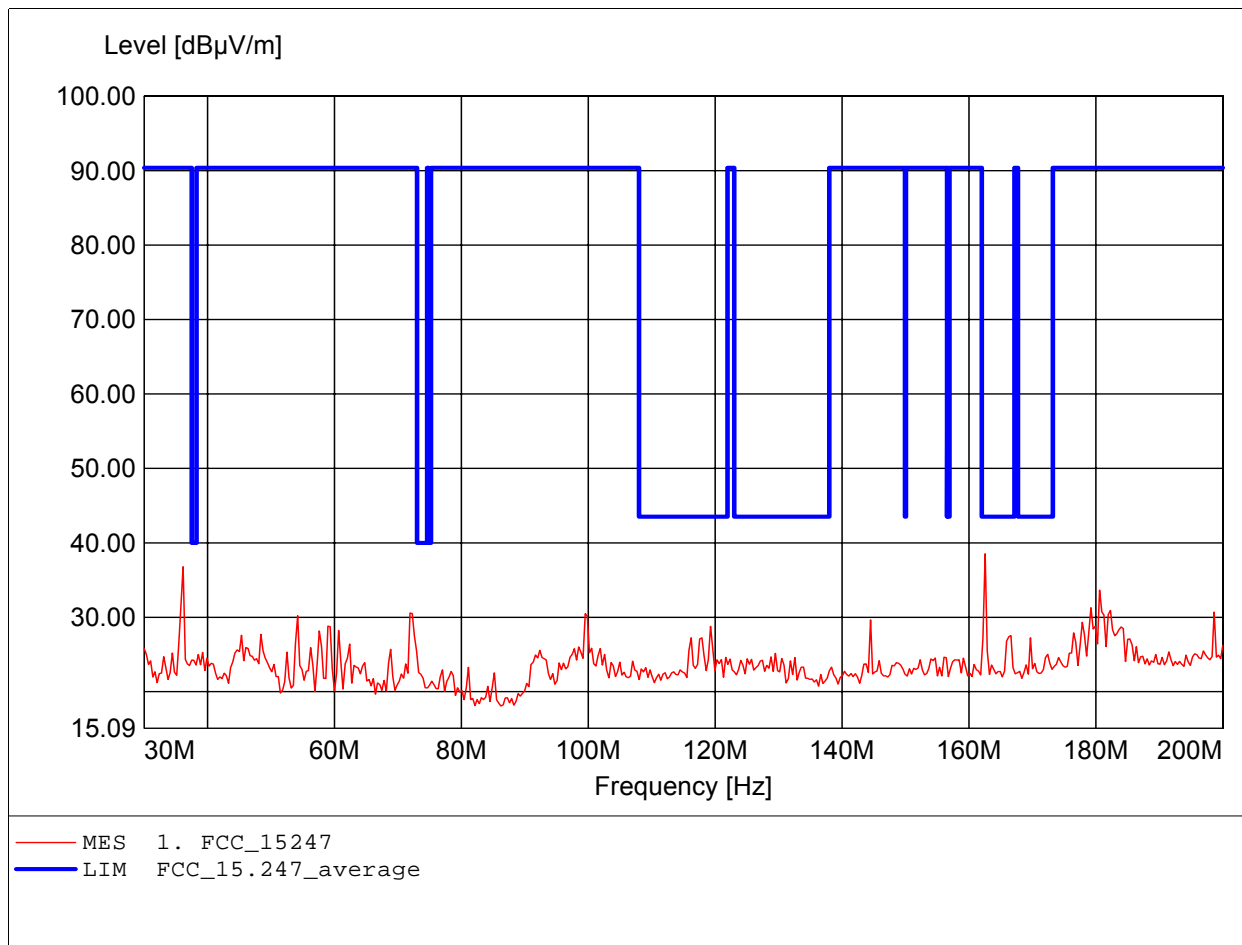
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.364GHz, Emax: 50.43dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

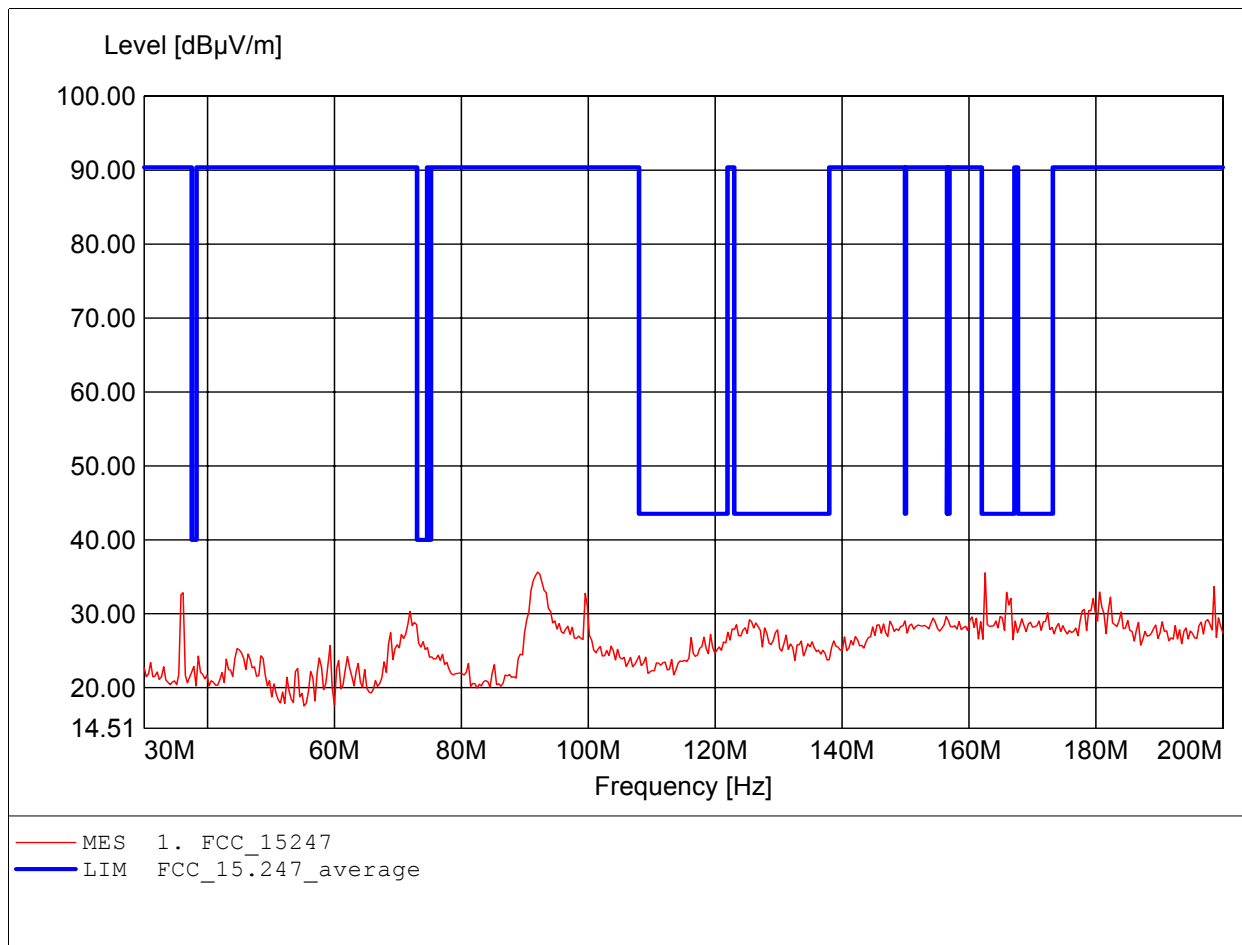
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 162.525MHz, Emax: 38.54dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

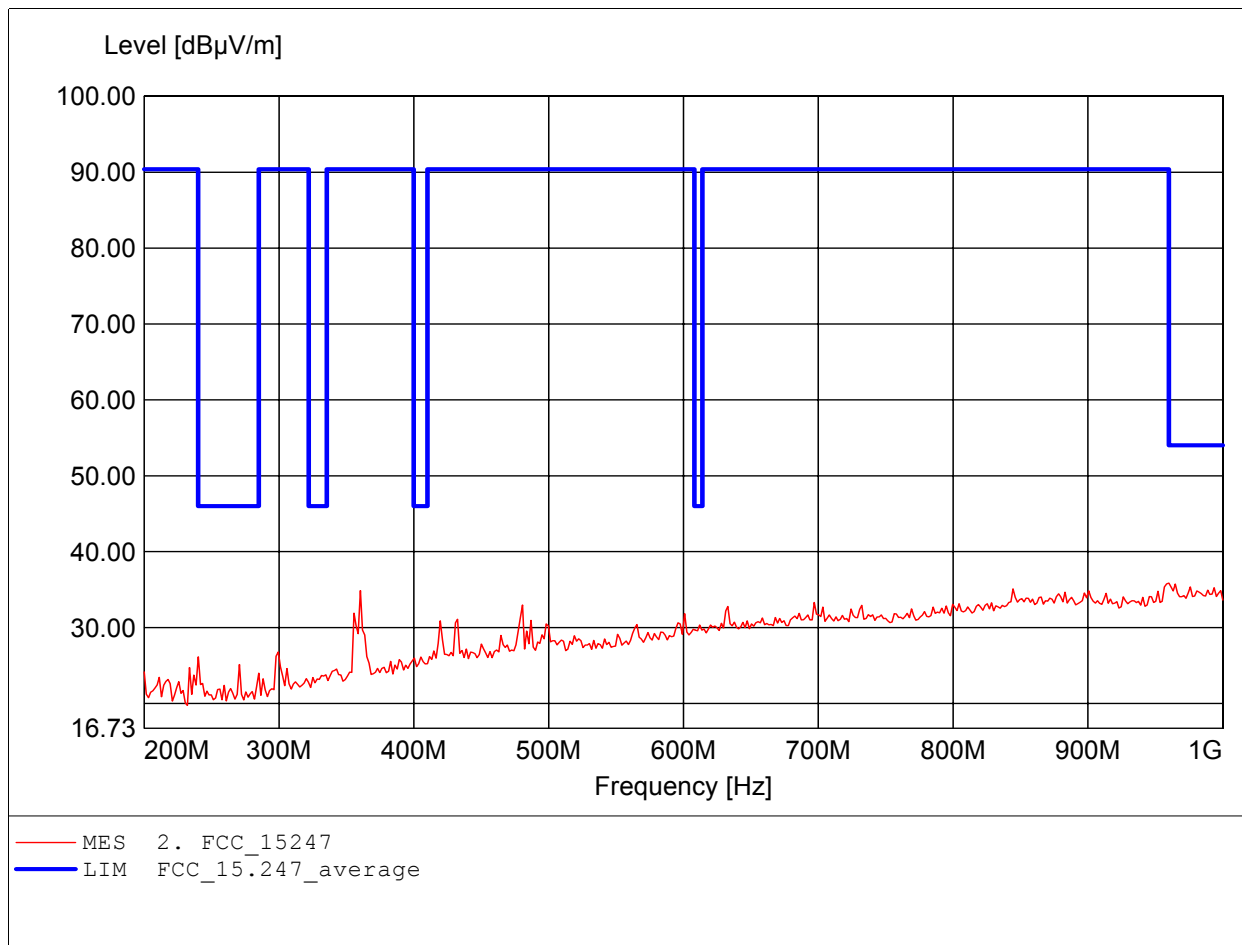
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 92.004MHz, Emax: 35.63dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

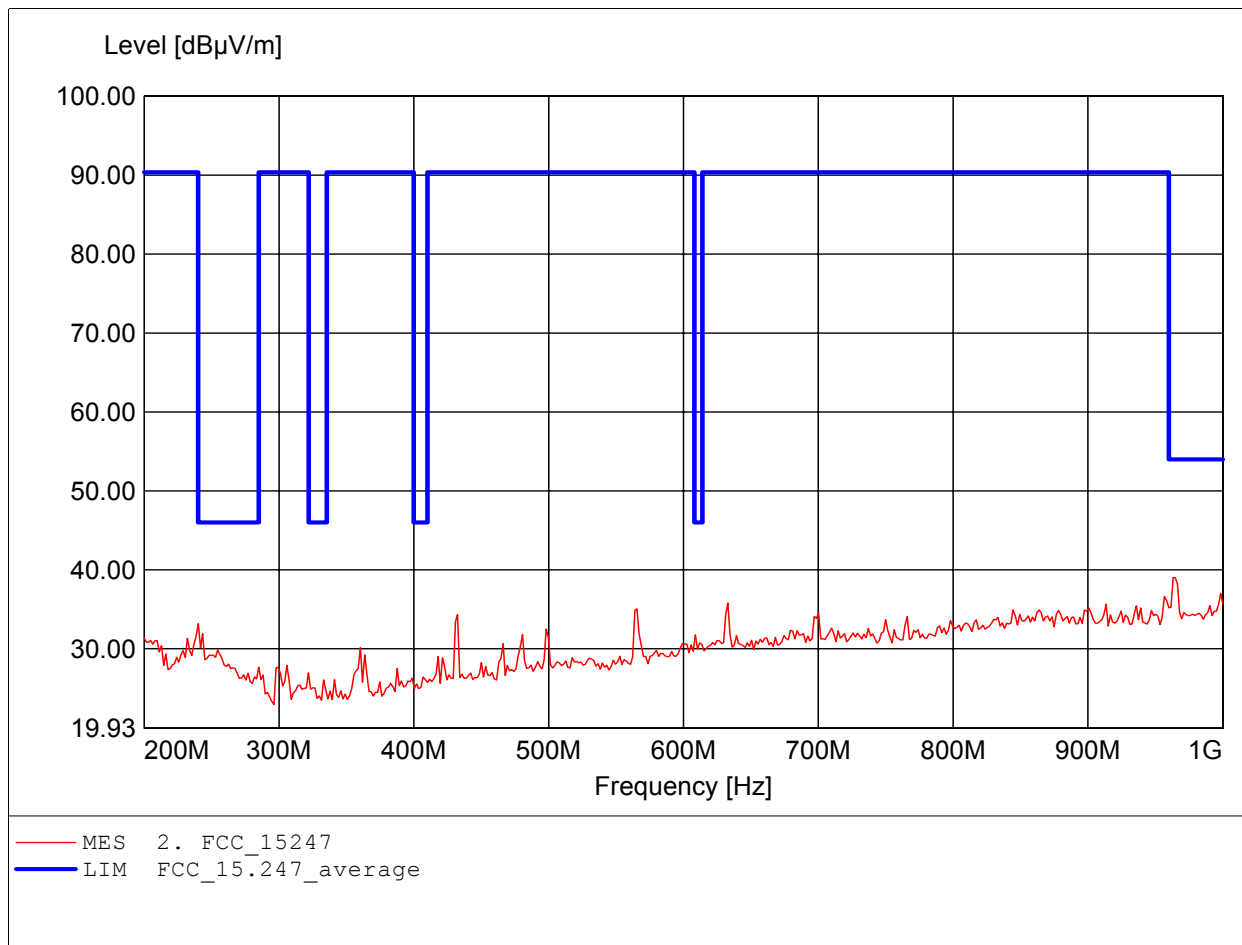
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 959.920MHz, Emax: 35.86dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

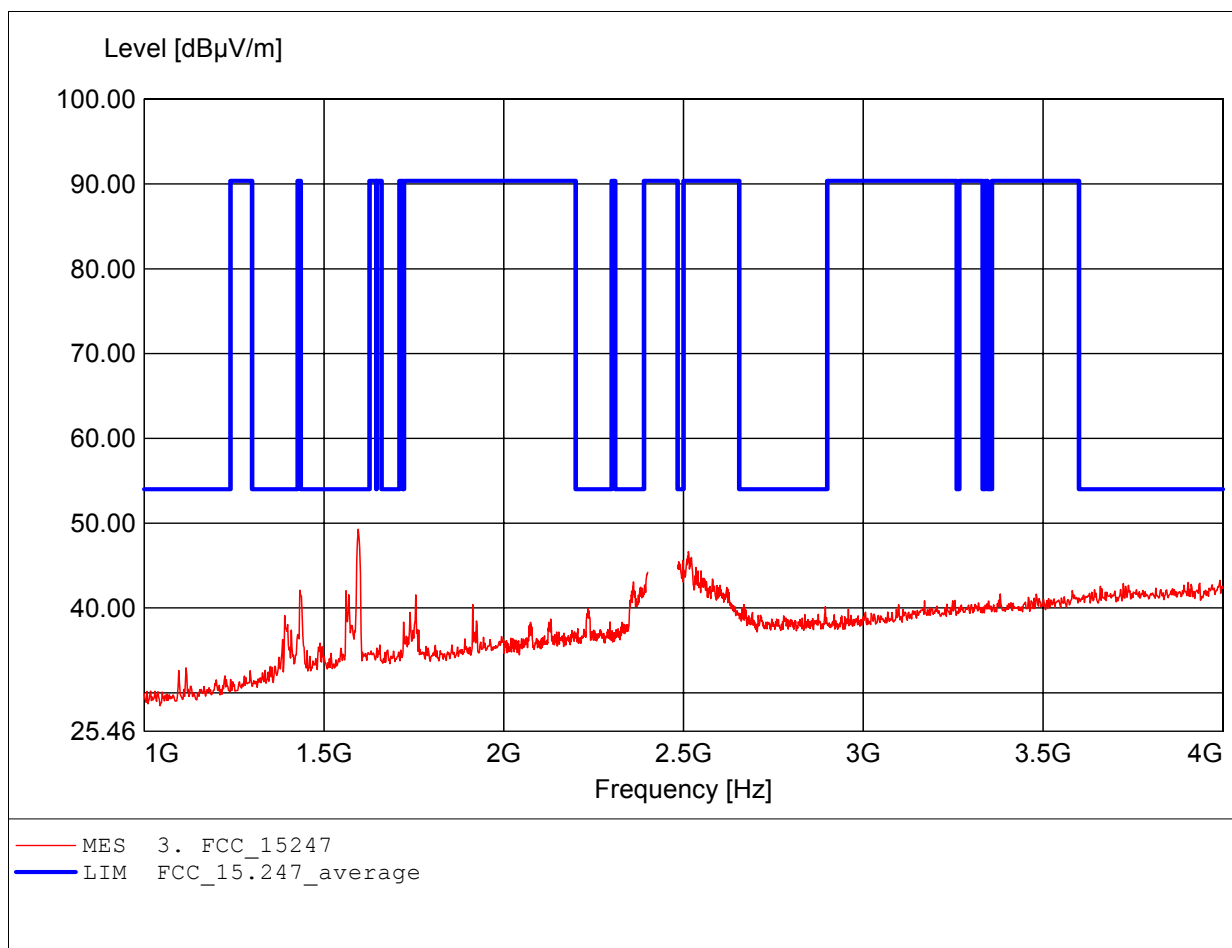
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 963.126MHz, Emax: 39.03dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

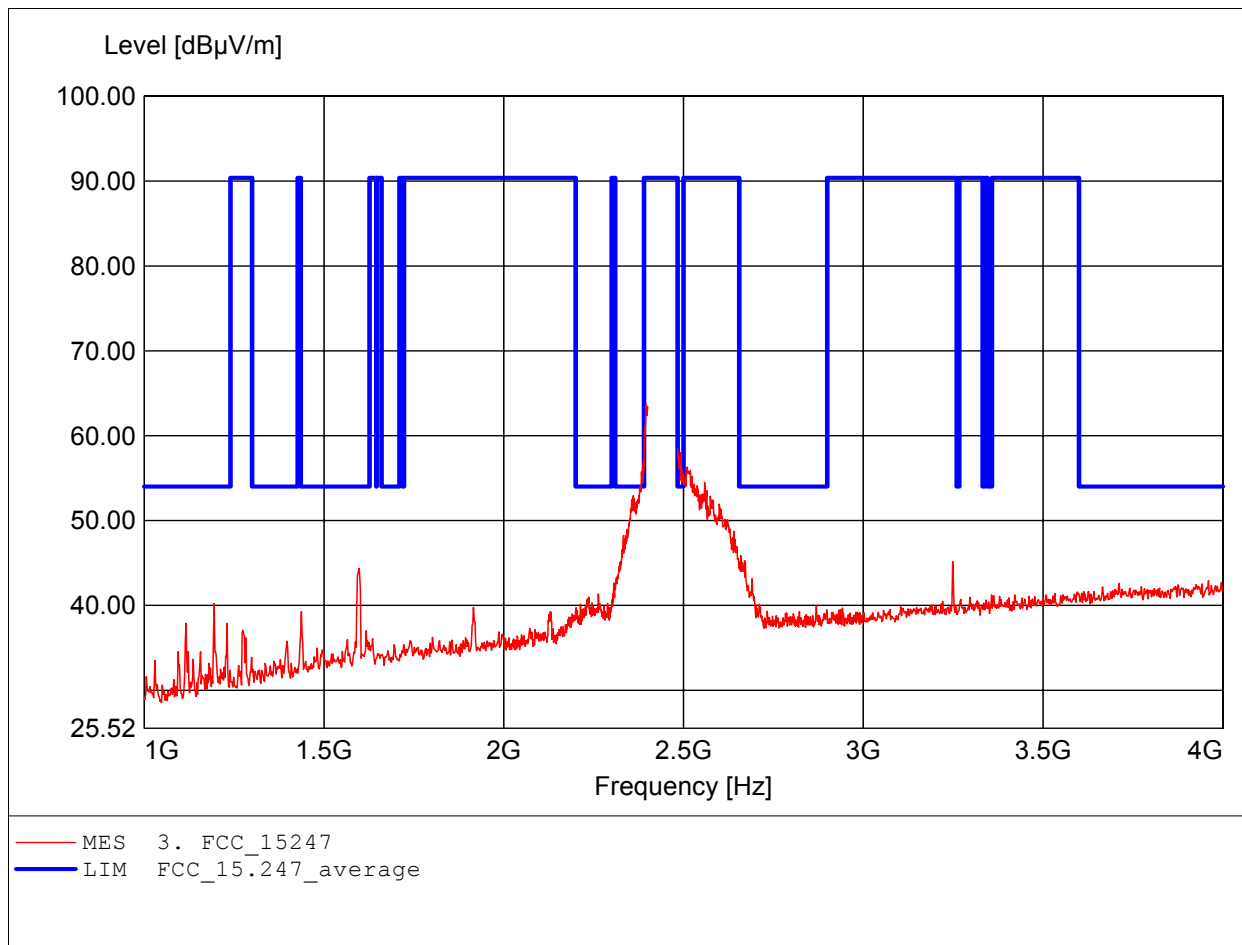
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 1.595GHz, Emax: 49.28dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

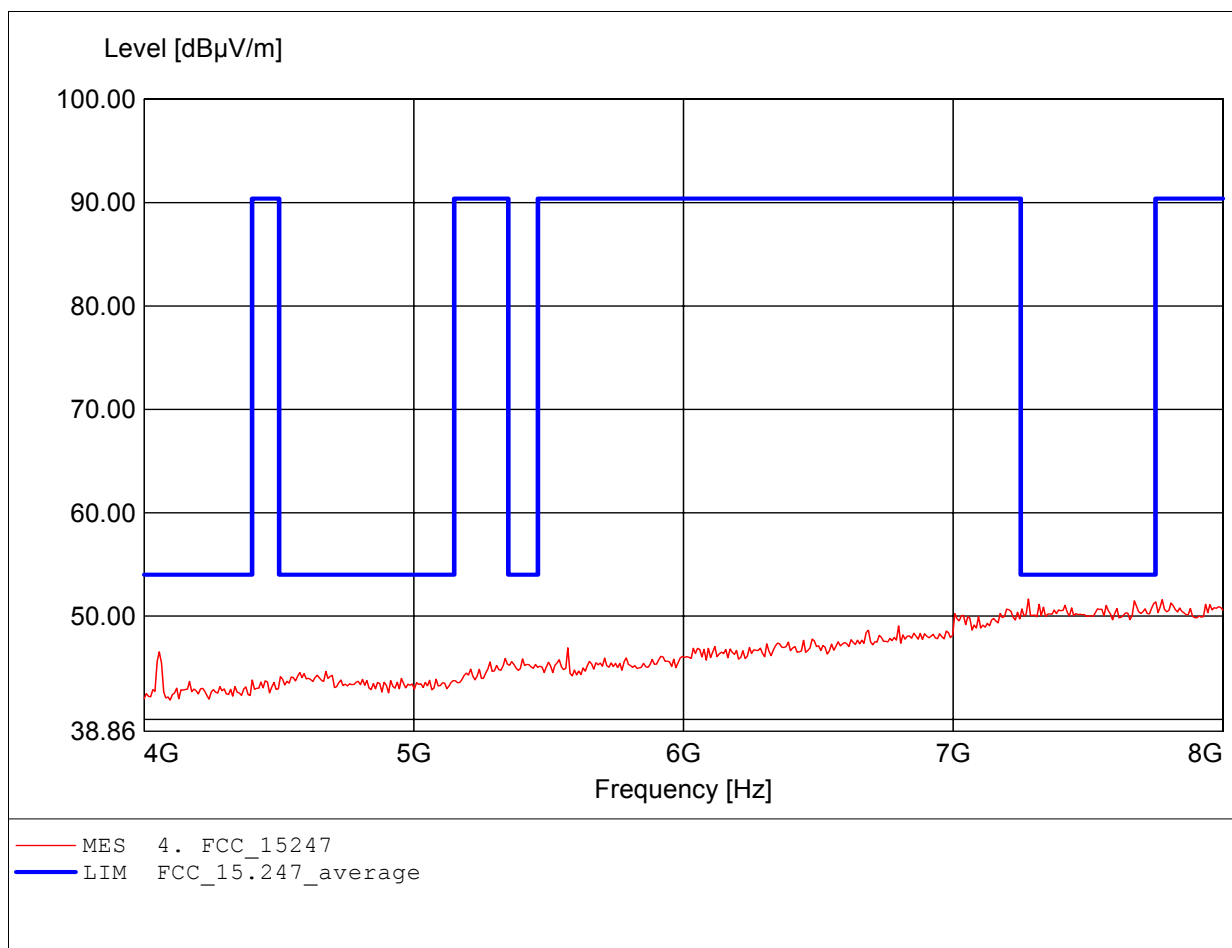
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (ac/dc adaptor)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.396GHz, Emax: 63.66dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

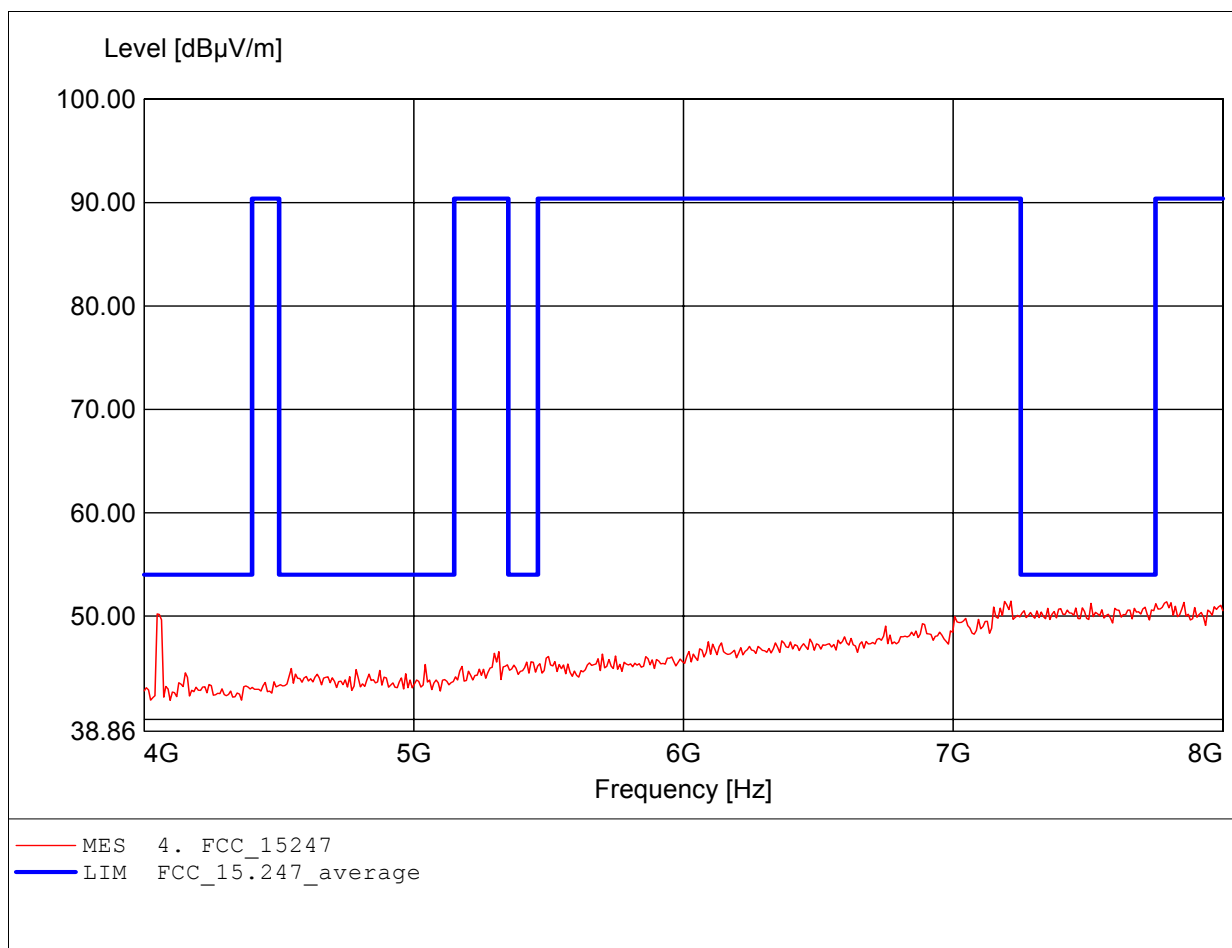
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.279GHz, Emax: 51.66dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

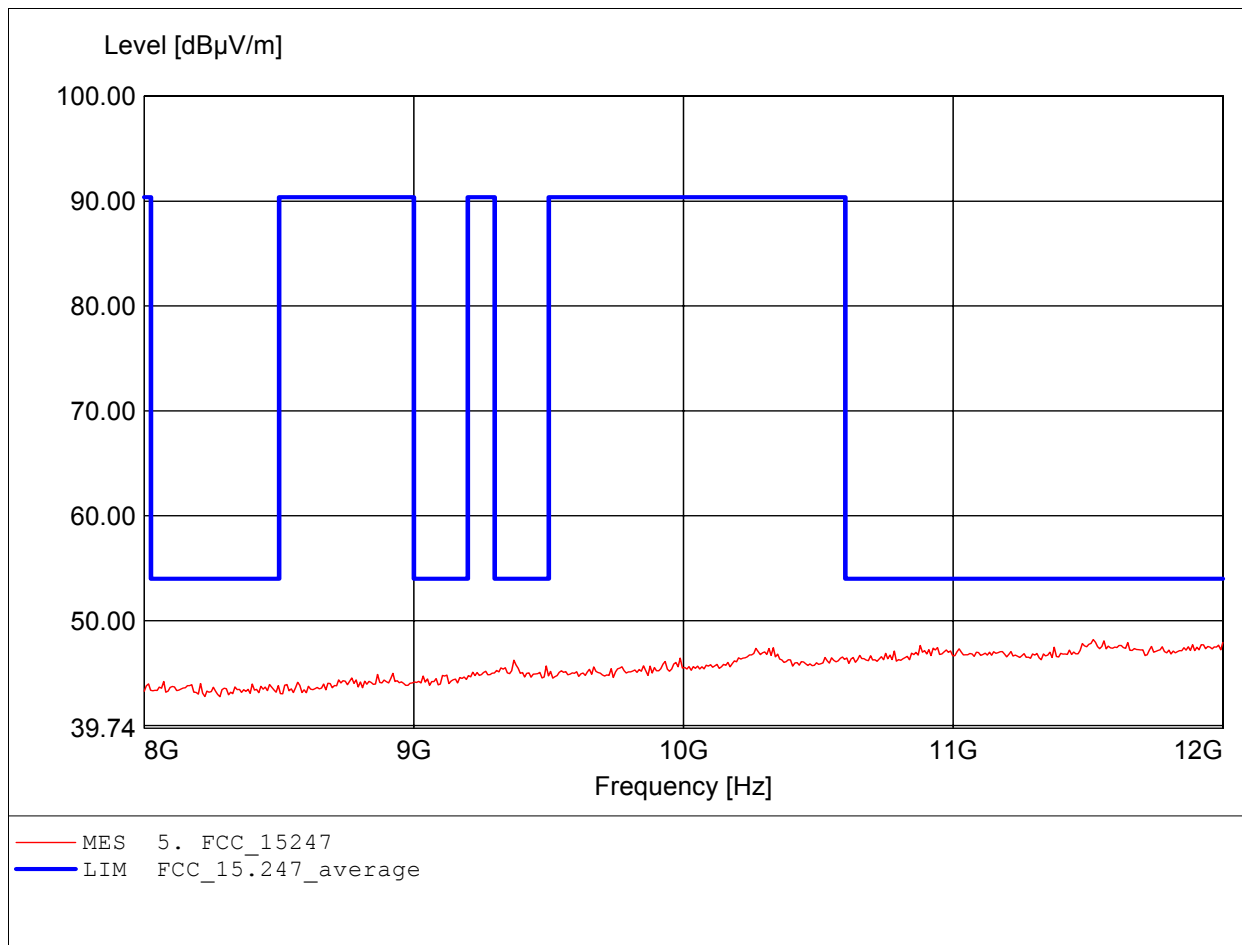
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.214GHz, Emax: 51.45dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

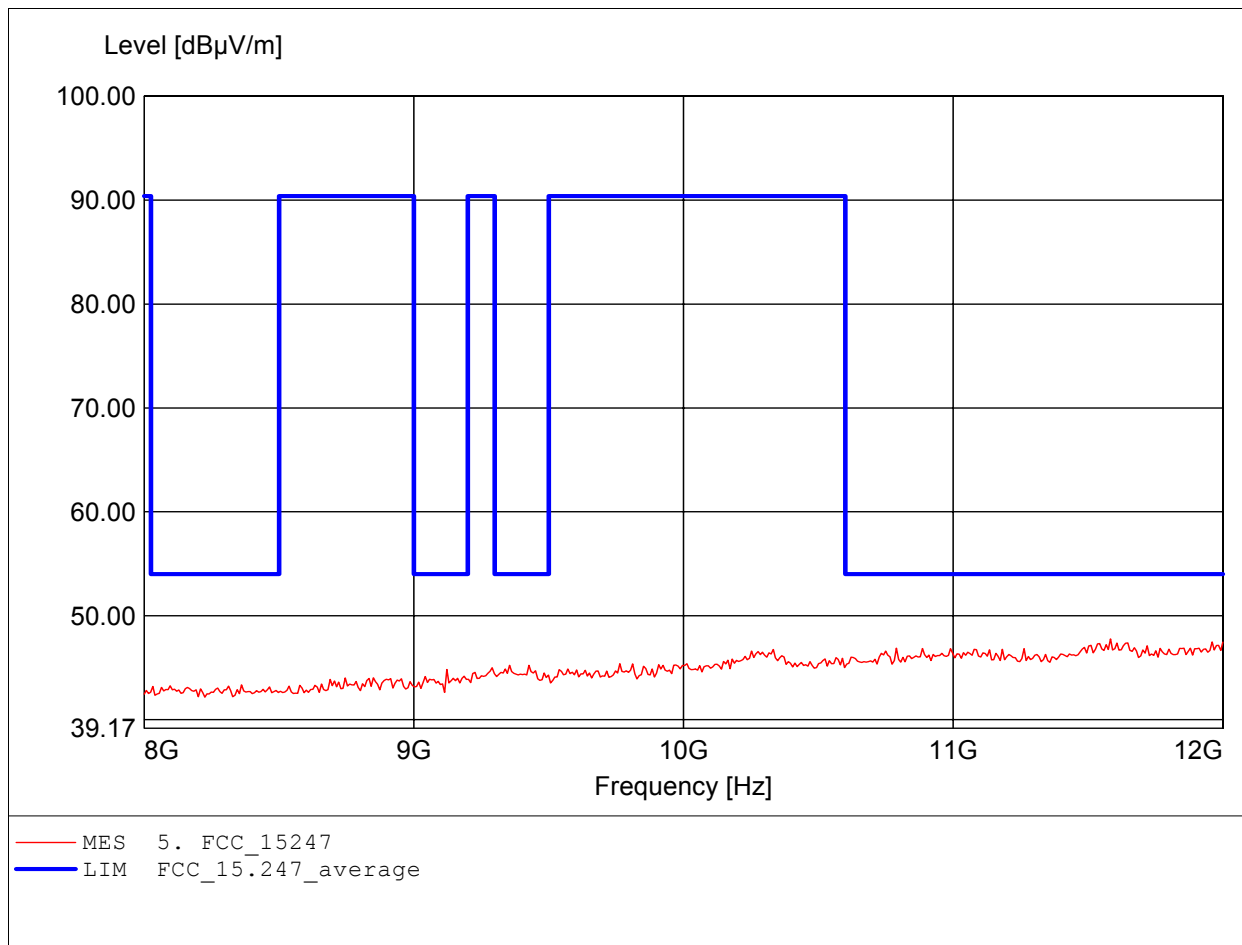
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.519GHz, Emax: 48.21dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

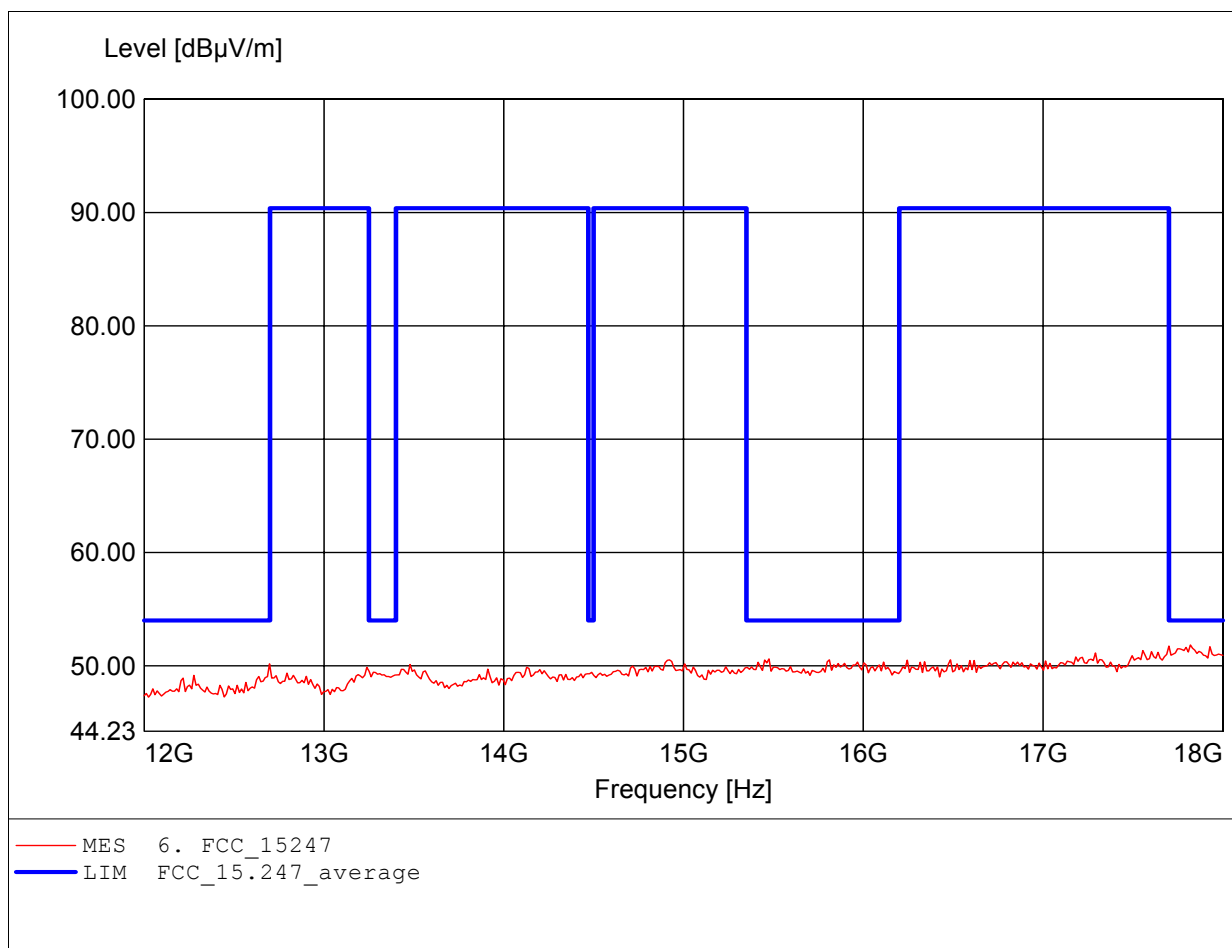
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.583GHz, Emax: 47.77dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

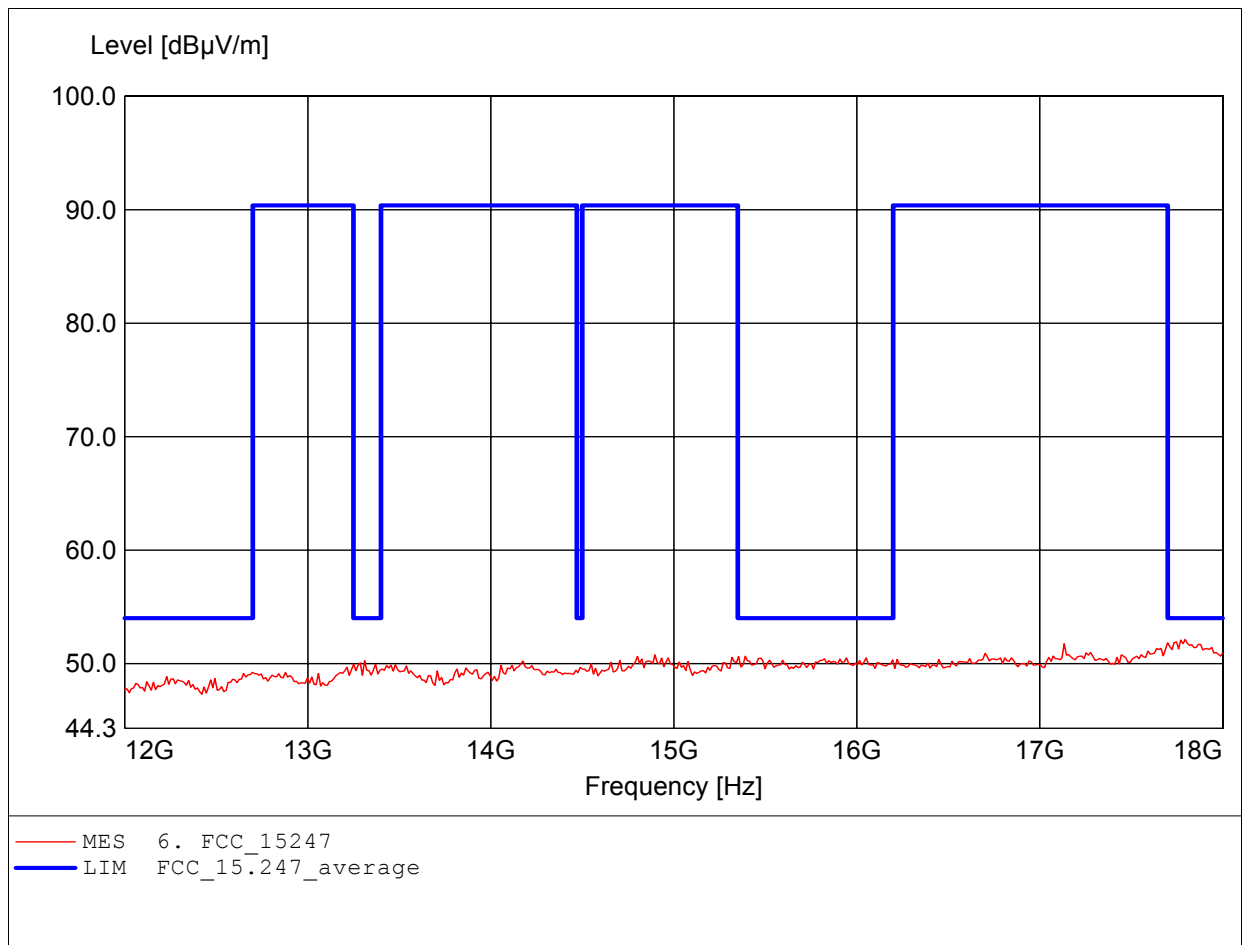
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.820GHz, Emax: 51.83dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

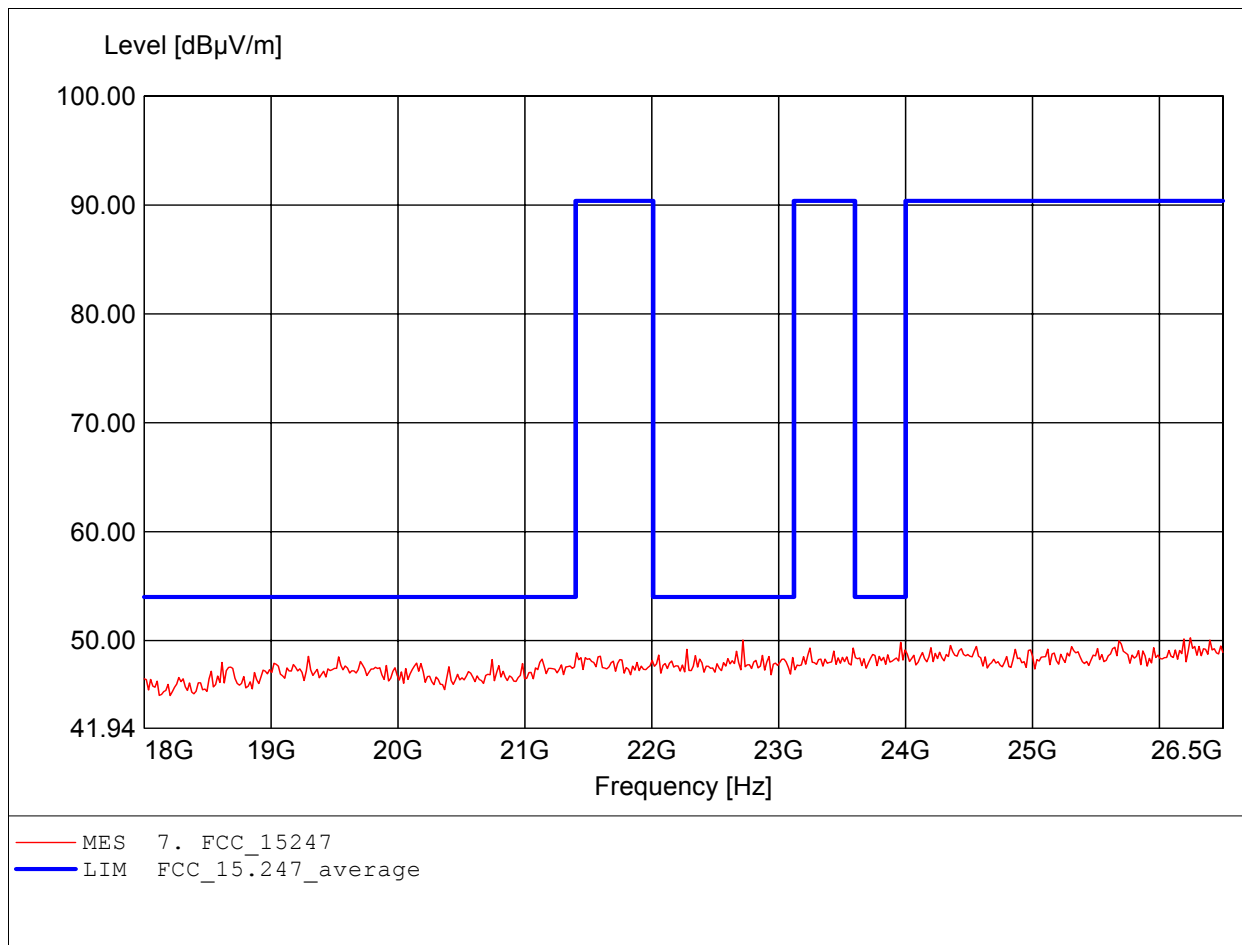
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.796GHz, Emax: 52.13dB μ V/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

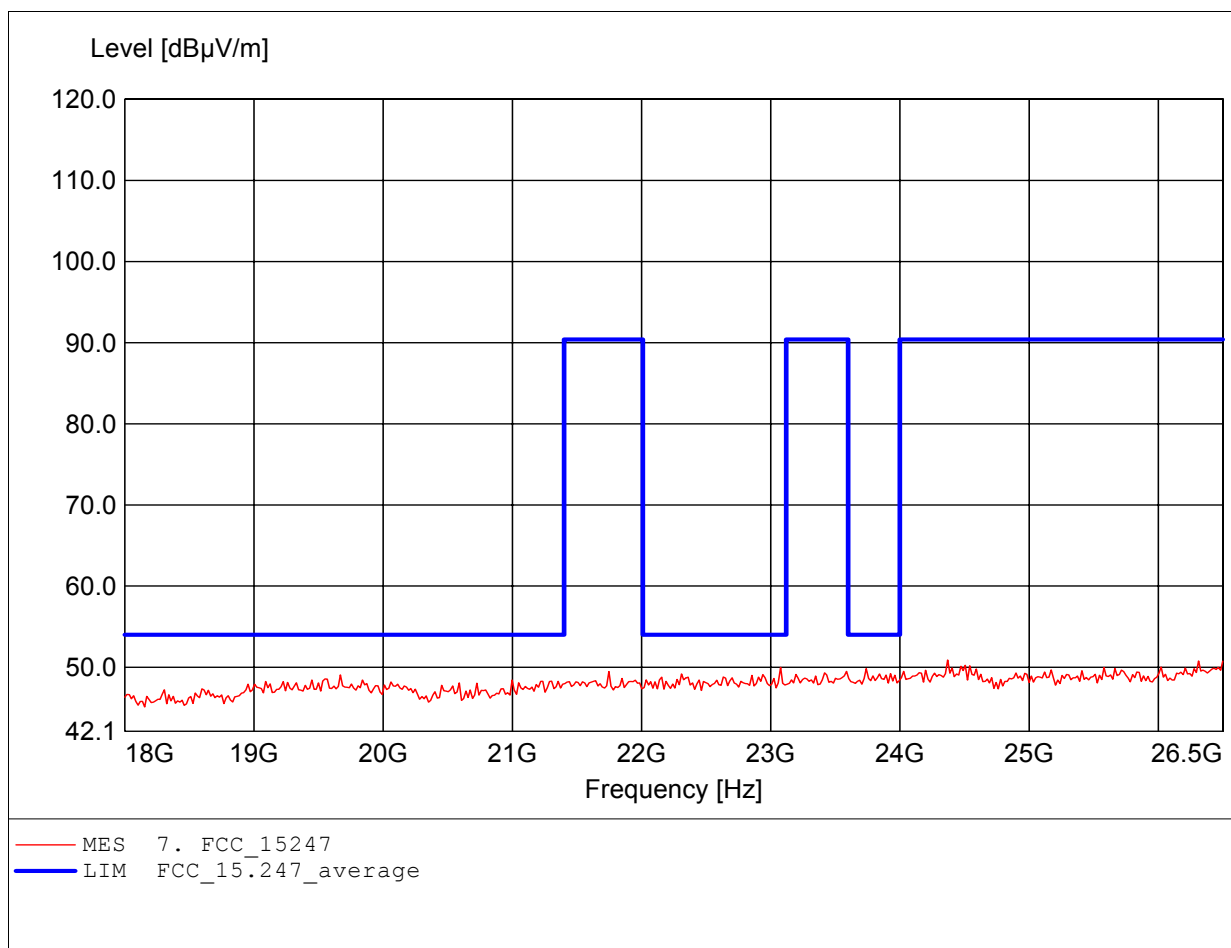
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.244GHz, Emax: 50.25dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

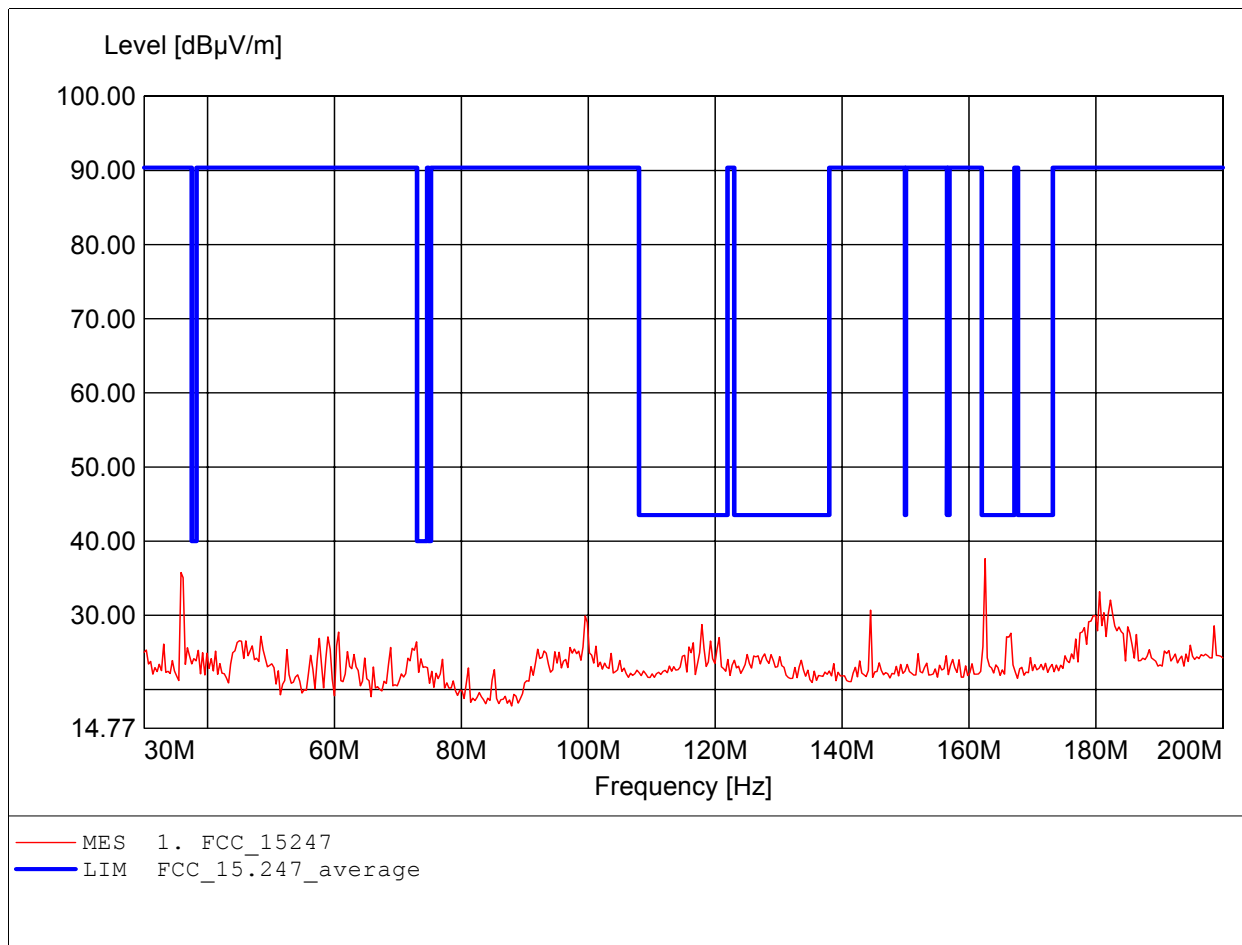
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 24.371GHz, Emax: 50.87dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

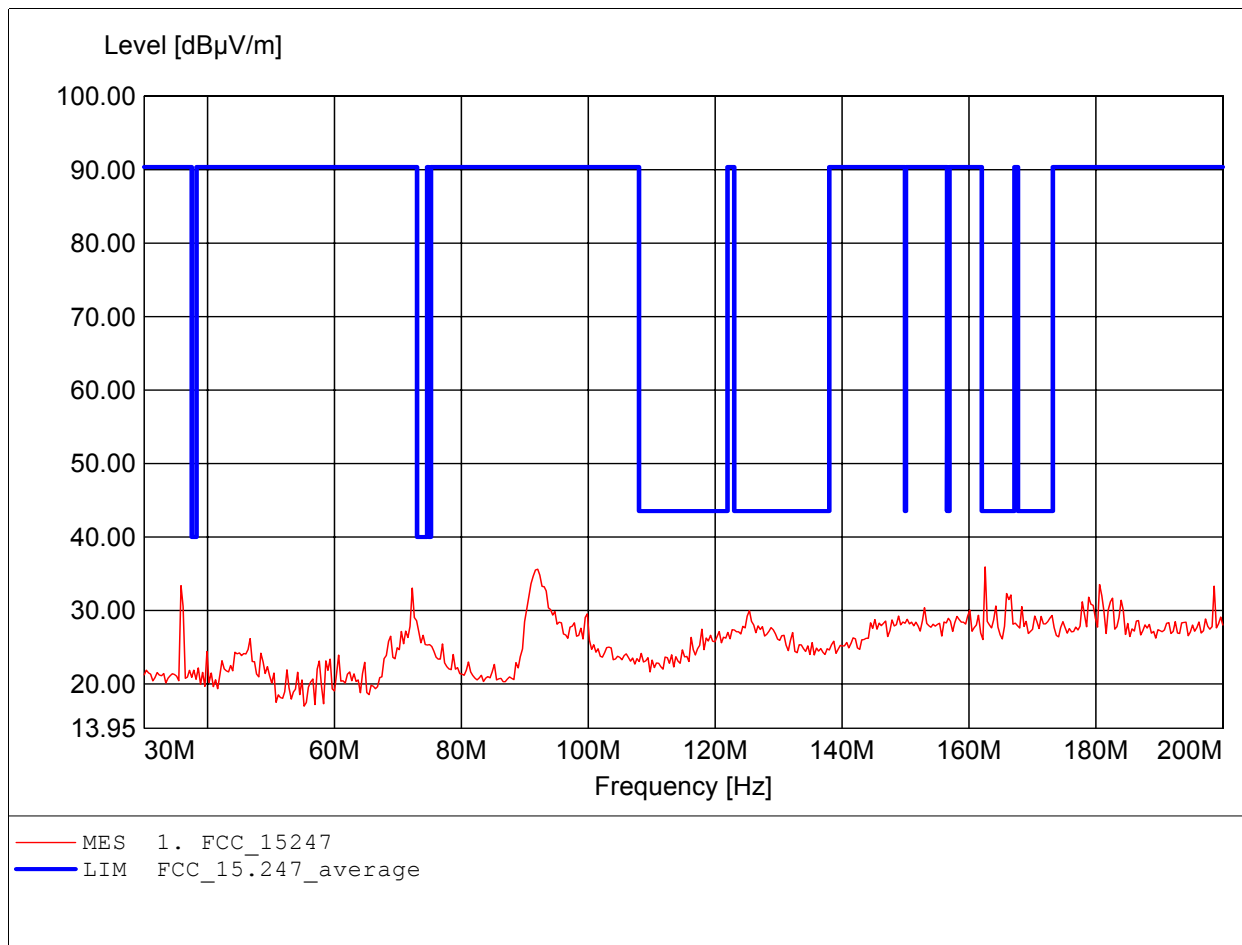
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 162.525MHz, Emax: 37.64dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

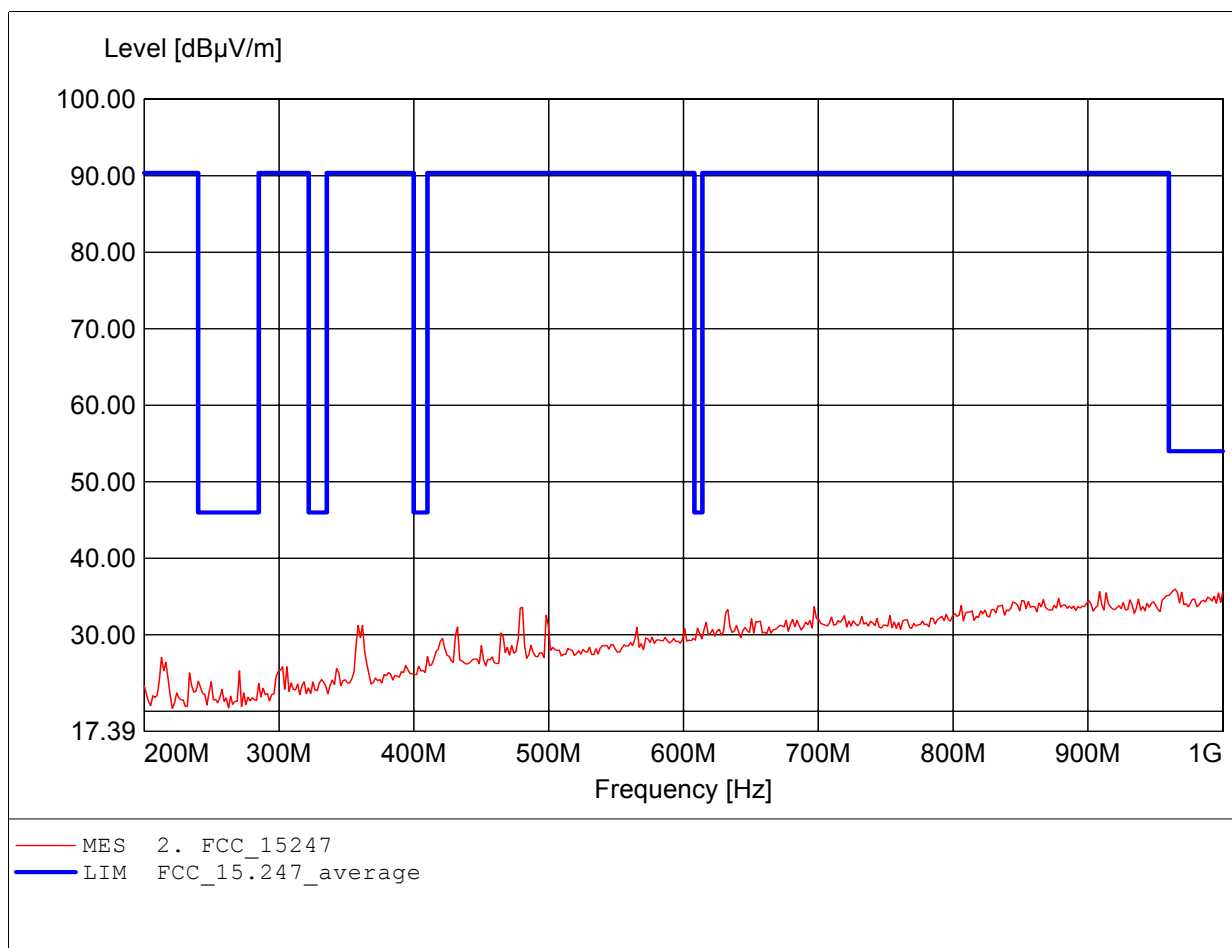
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 162.525MHz, Emax: 35.92dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

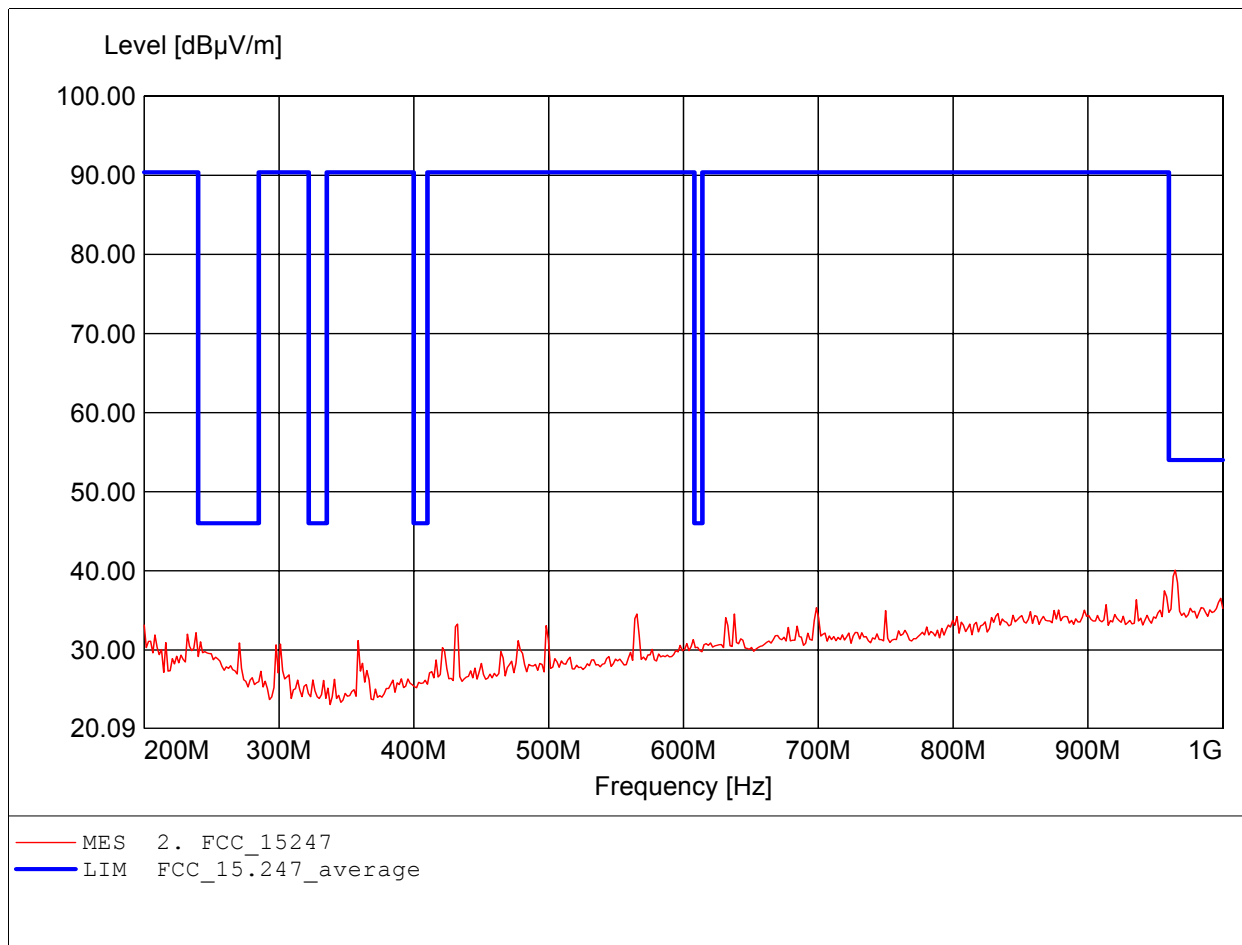
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 964.729MHz, Emax: 35.98dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

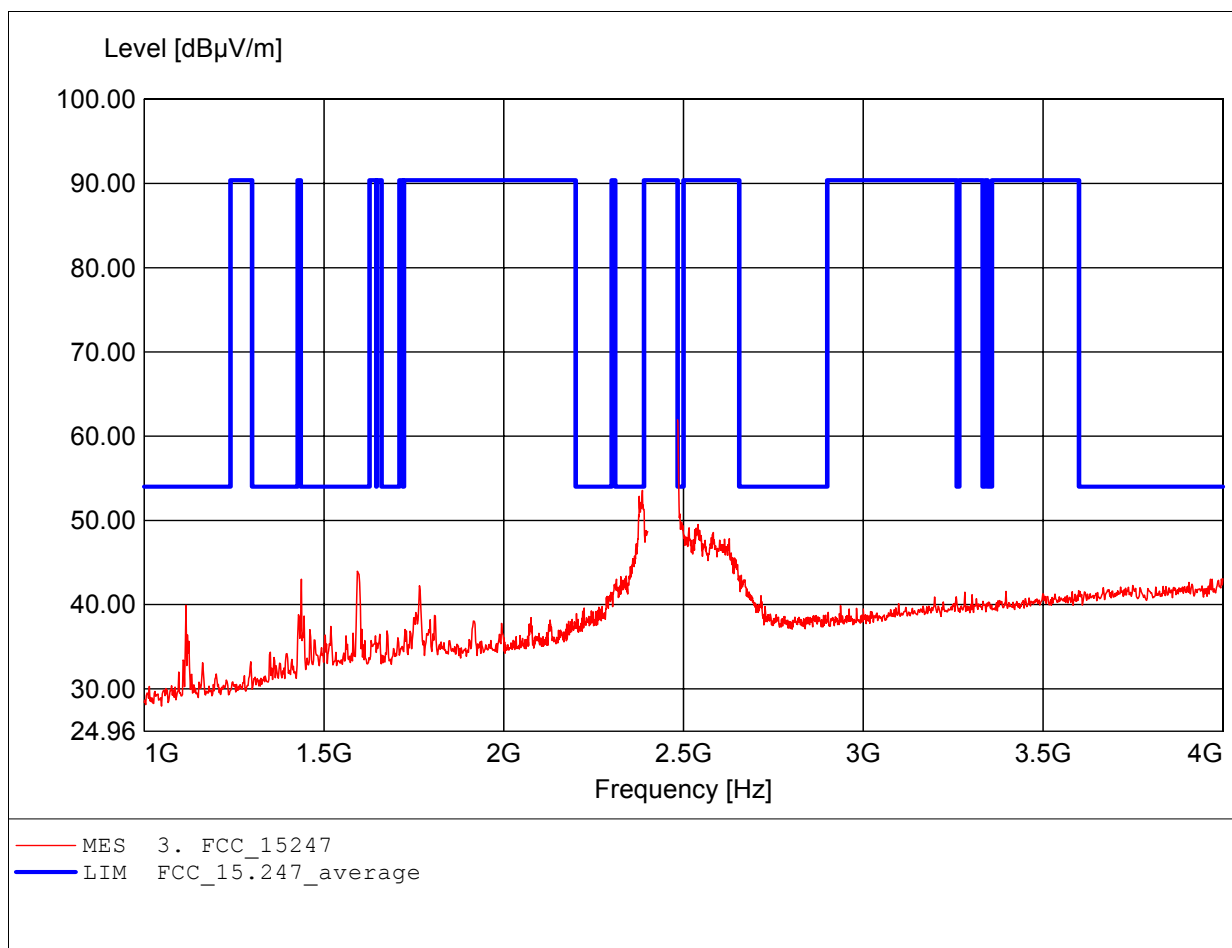
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247
Comment 1: Dist.: 3m, Ant.: HL 223,
Freq: 964.729MHz, Emax: 40.09dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

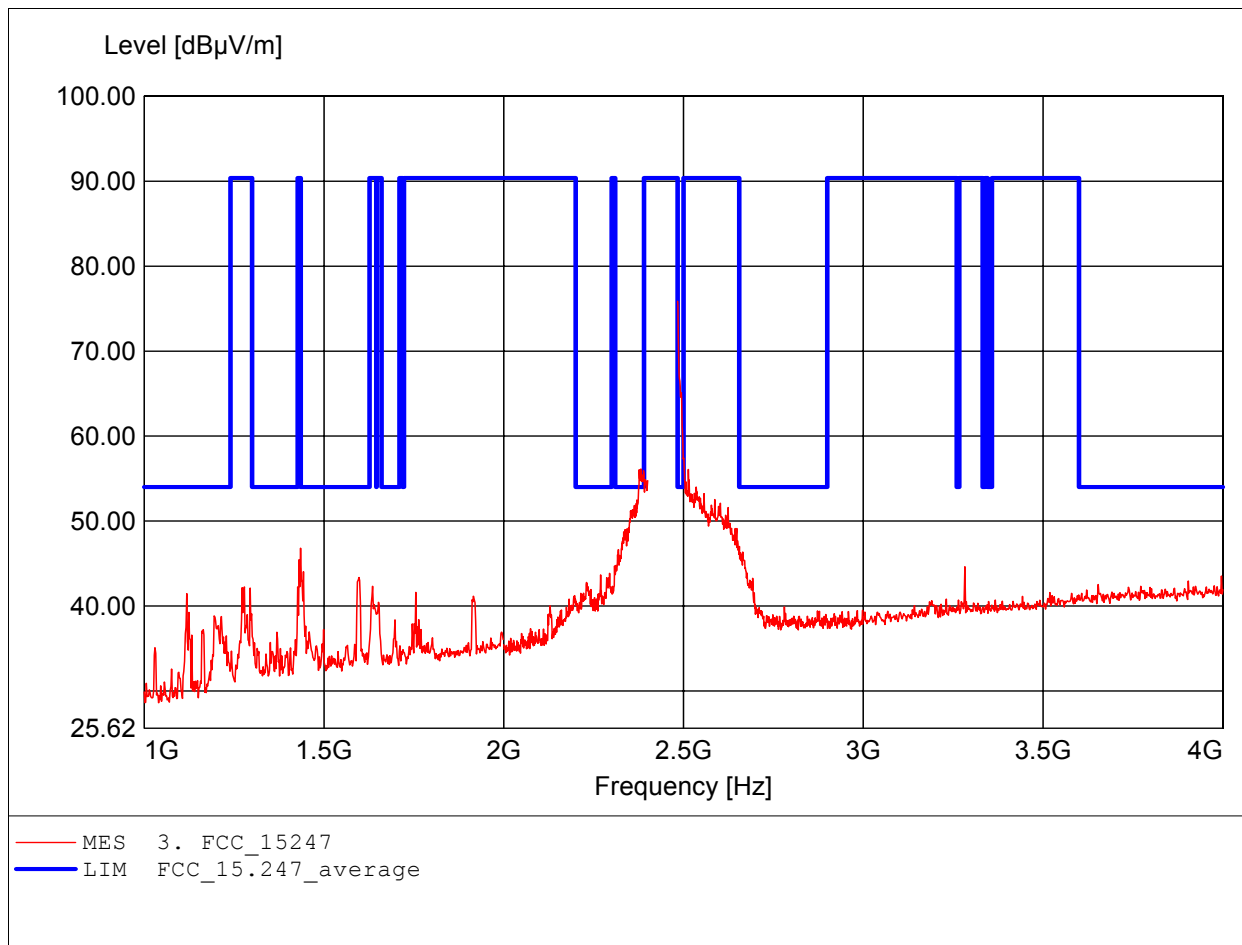
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.484GHz, Emax: 61.95dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

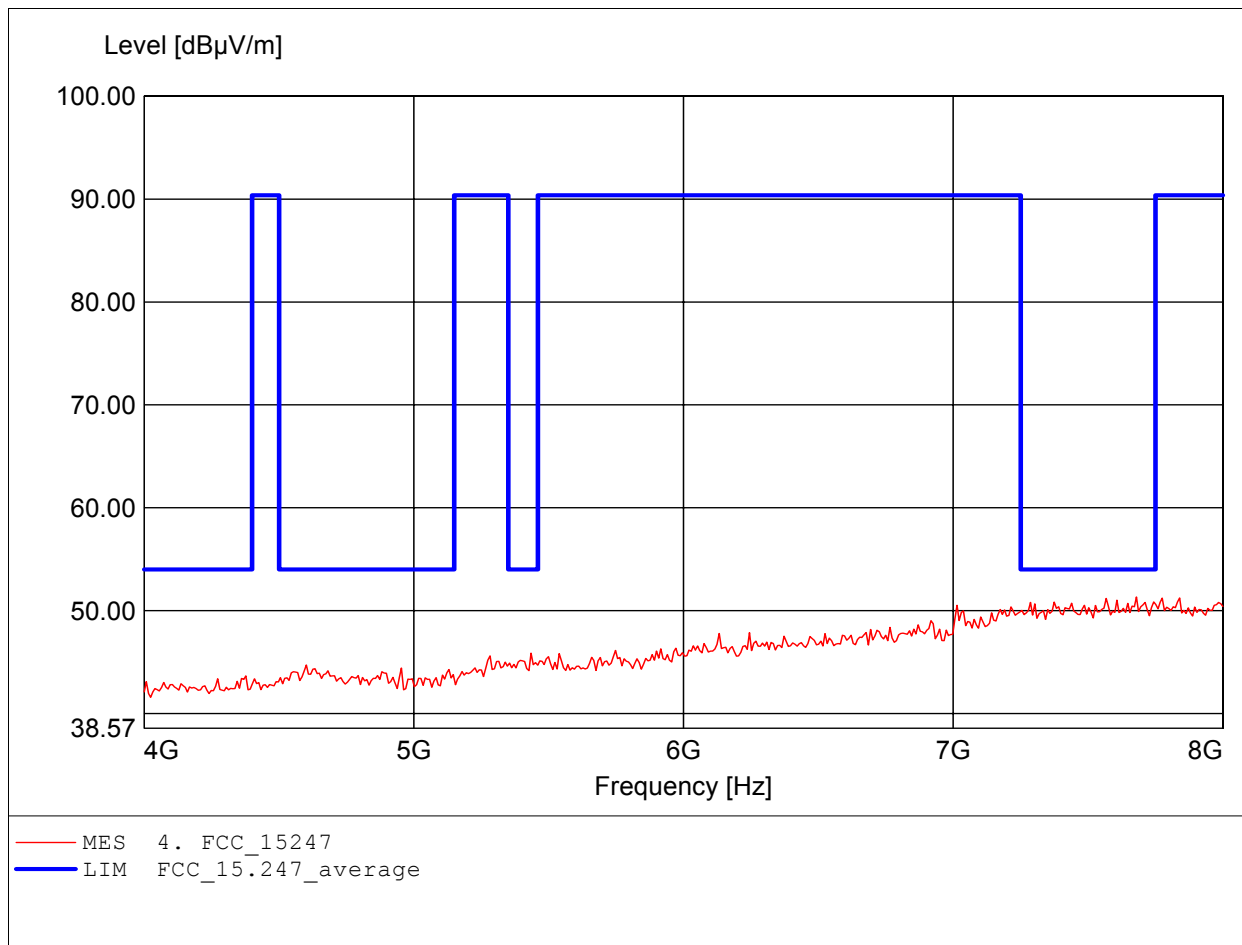
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 2.484GHz, Emax: 75.88dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

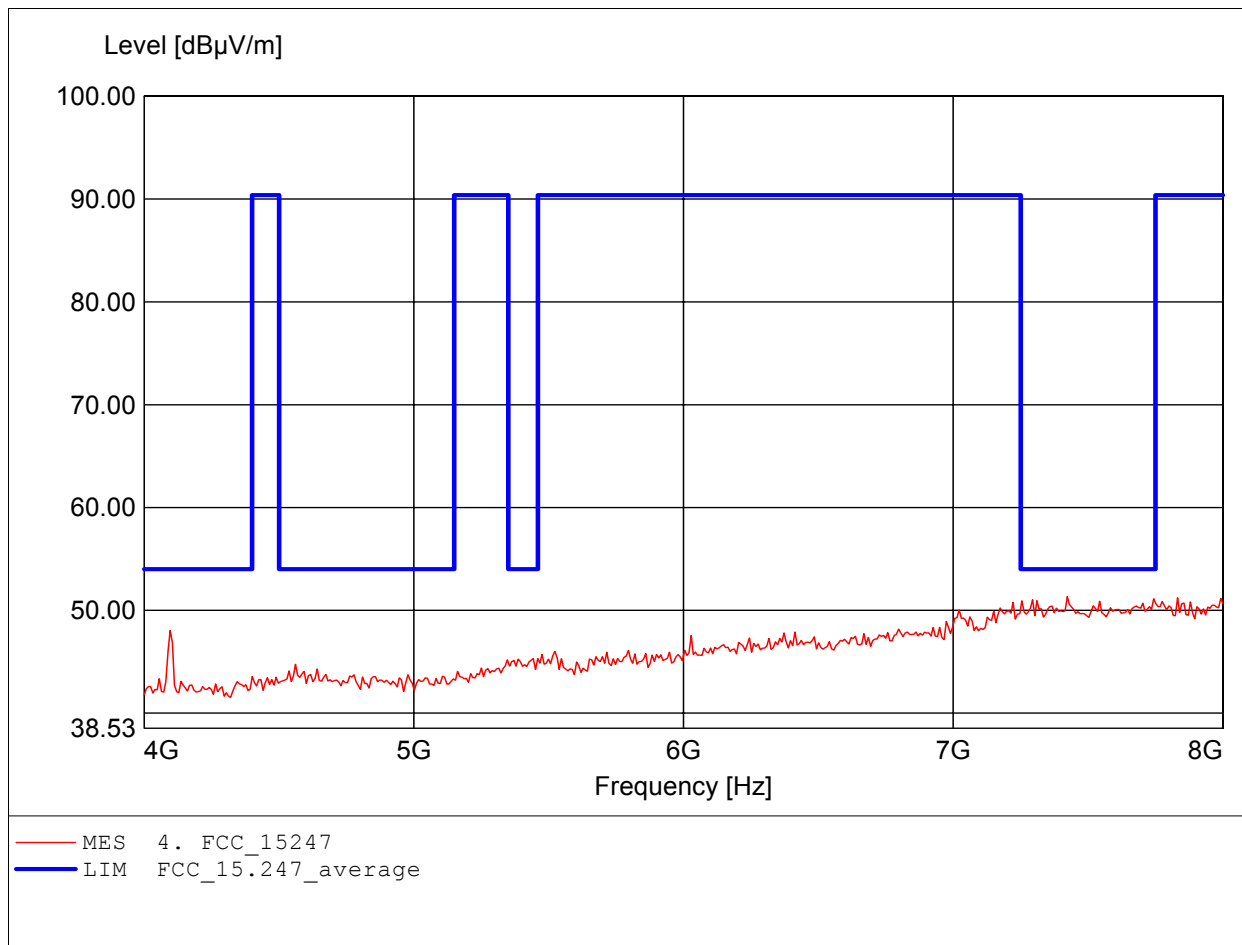
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.679GHz, Emax: 51.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

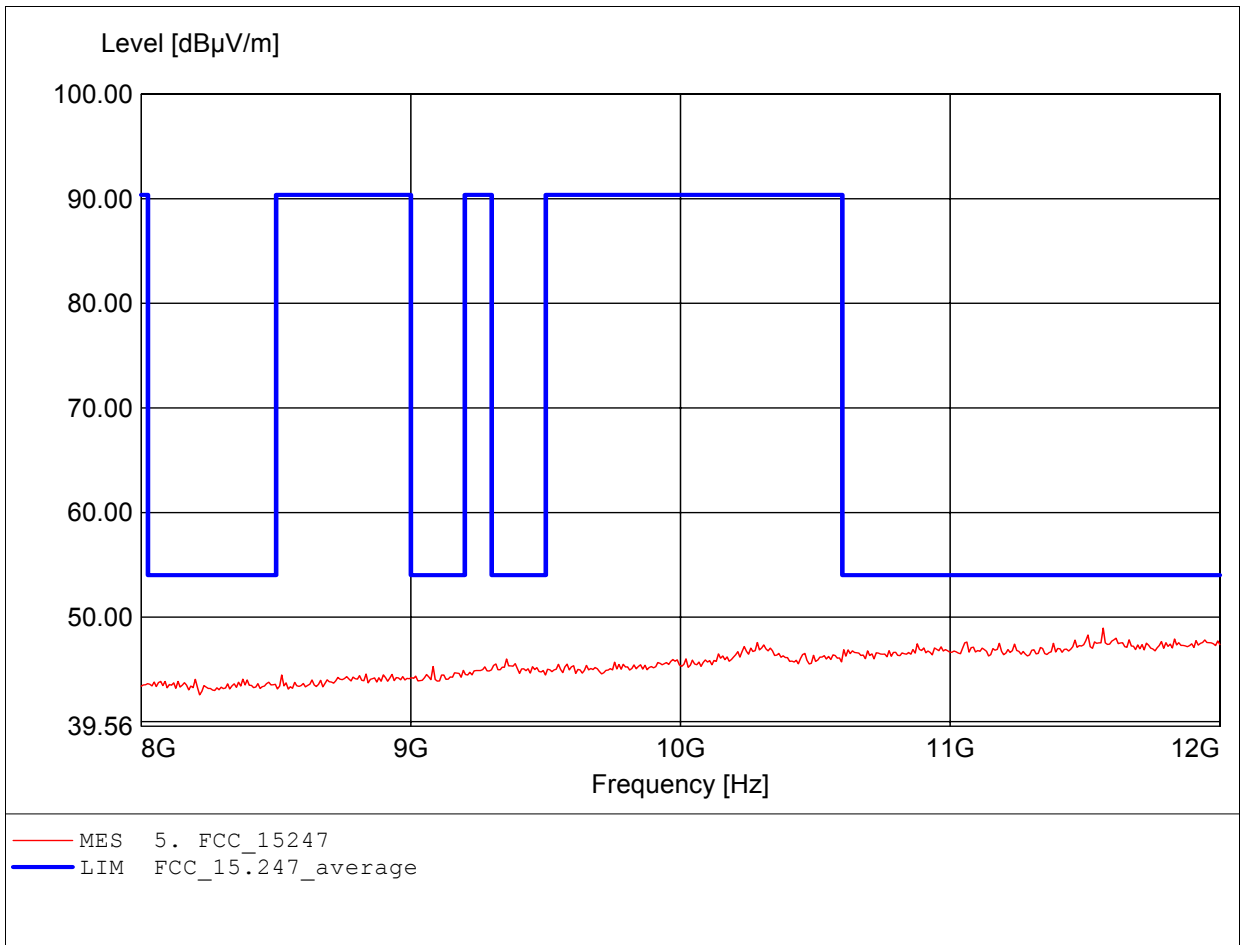
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.423GHz, Emax: 51.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

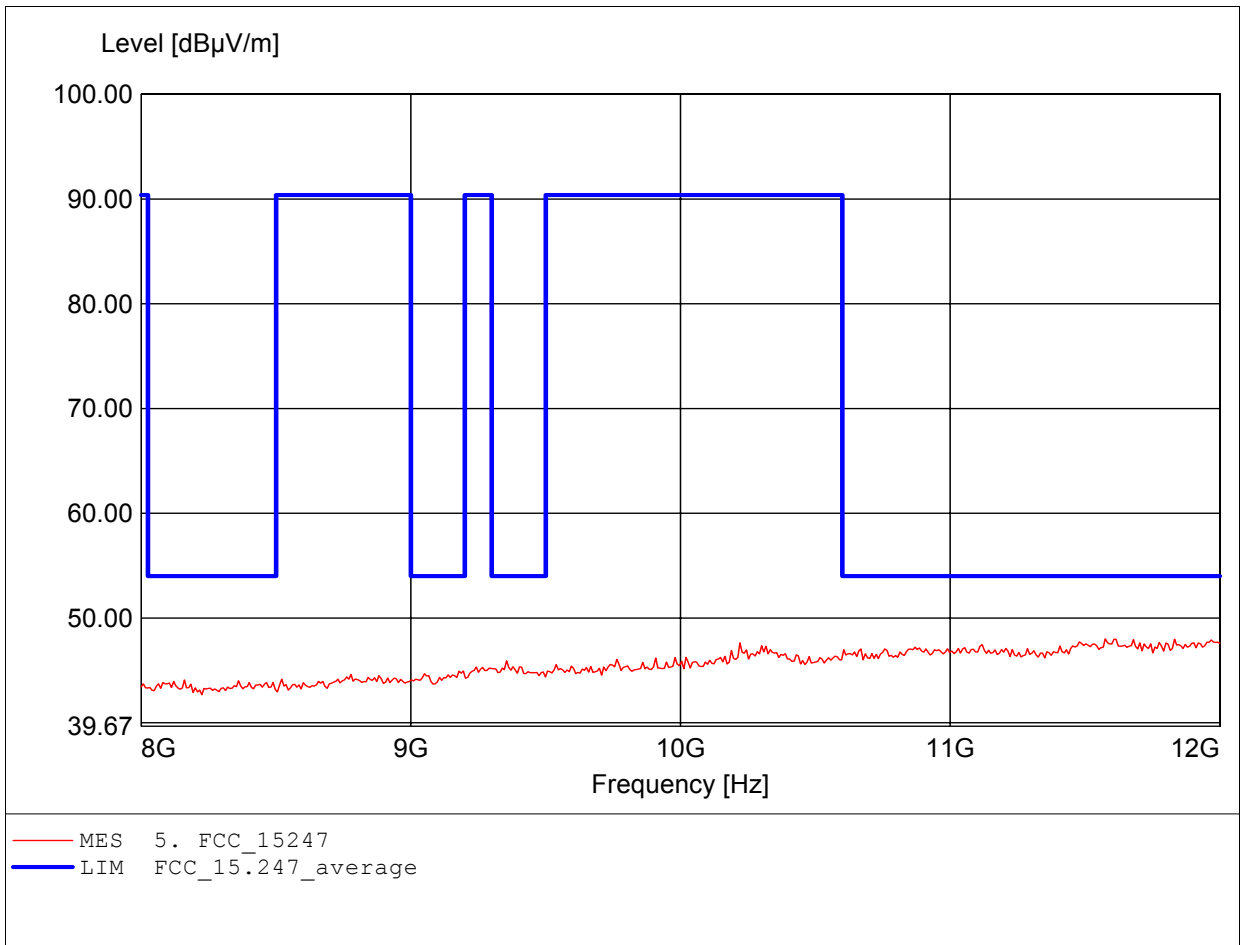
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.567GHz, Emax: 48.94dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

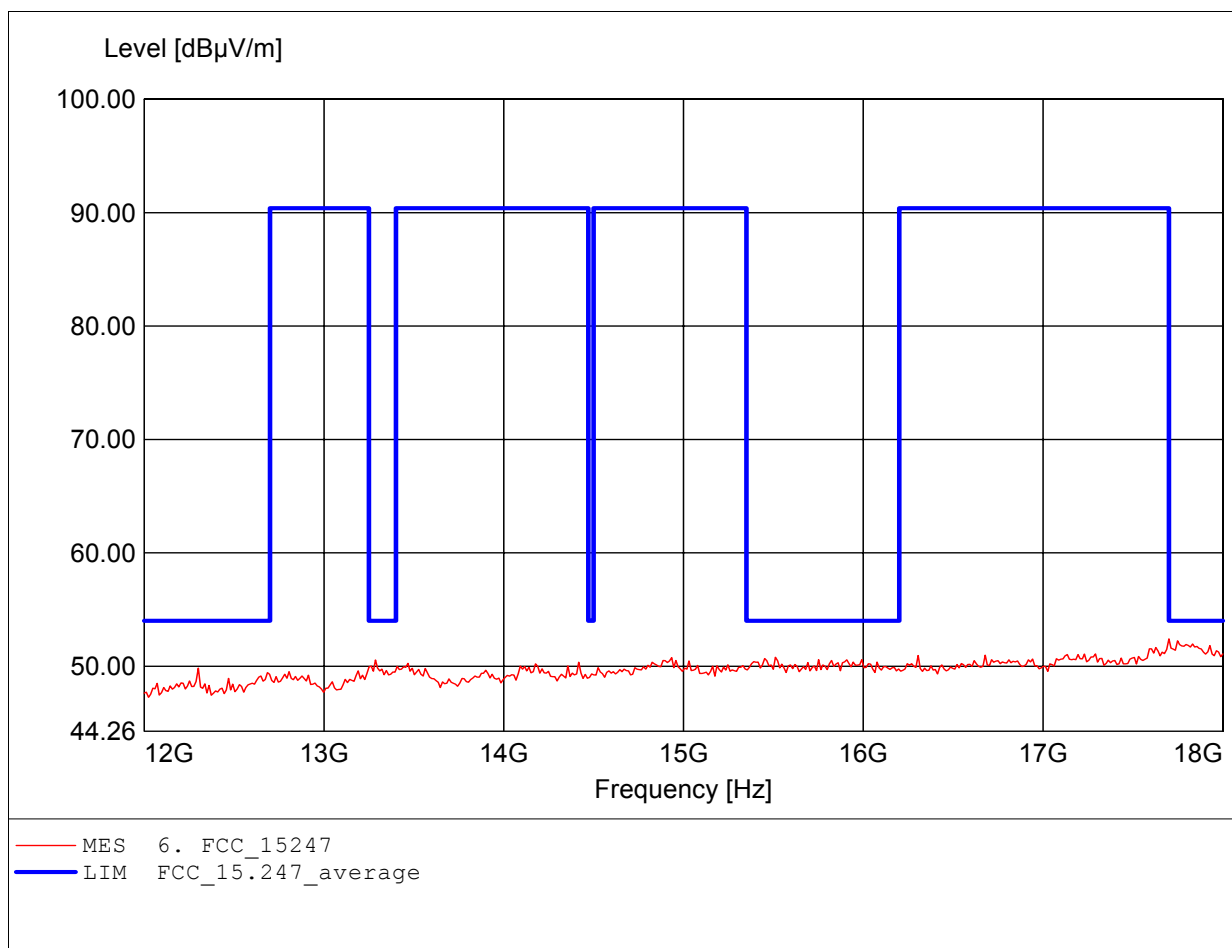
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.575GHz, Emax: 48.01dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

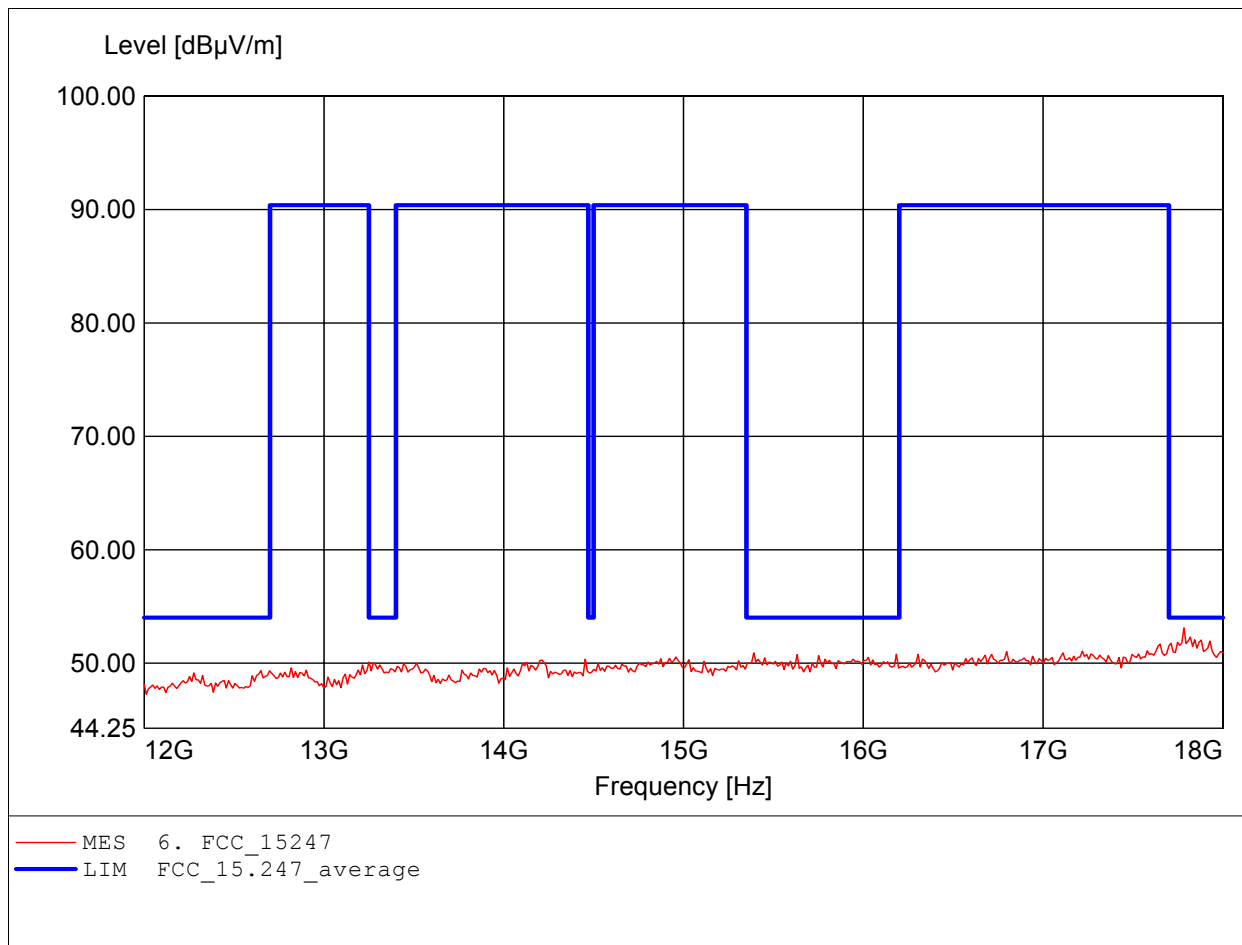
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.699GHz, Emax: 52.41dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

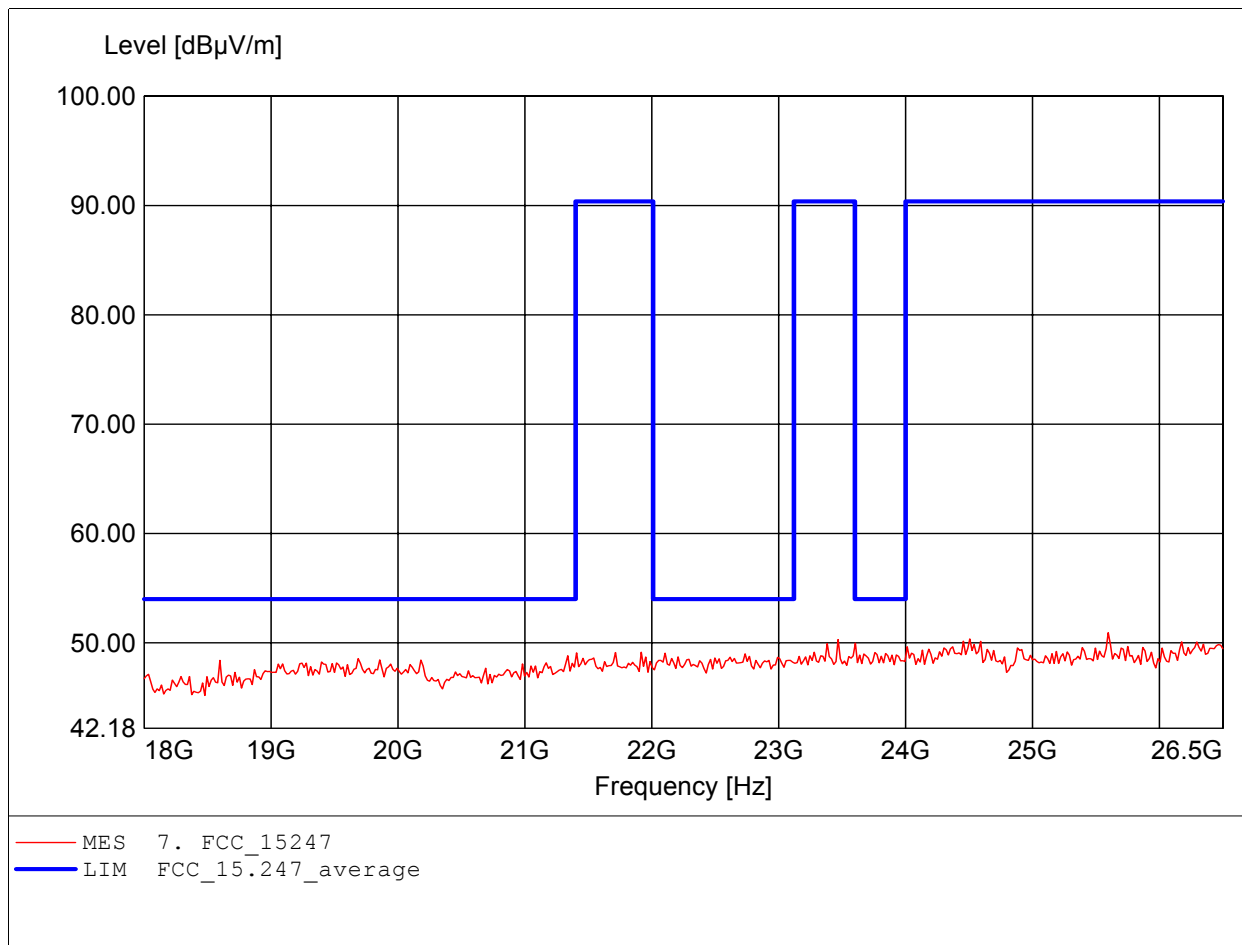
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.784GHz, Emax: 53.10dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

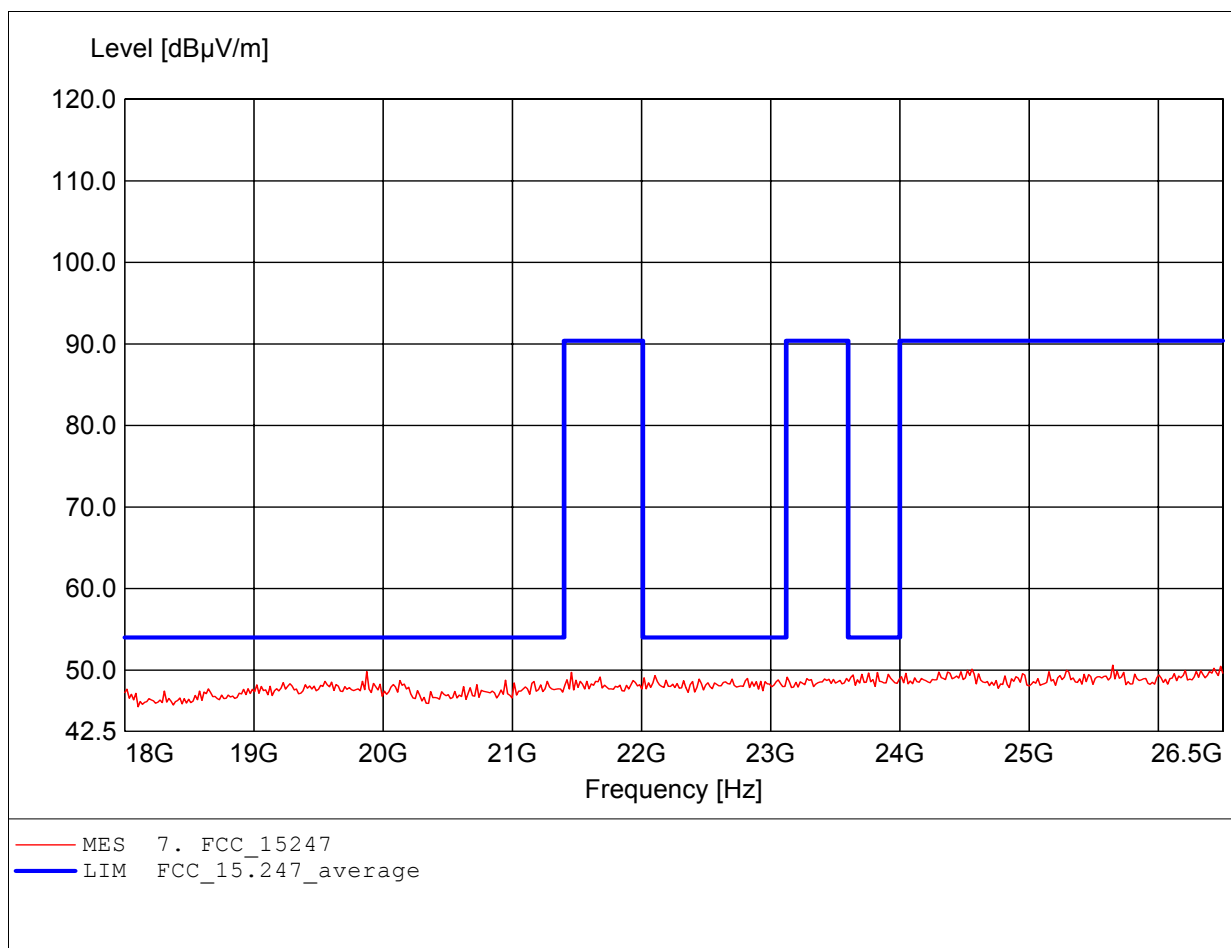
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.597GHz, Emax: 50.92dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to §15.247, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.648GHz, Emax: 50.61dBµV/m, RBW: 1MHz





Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

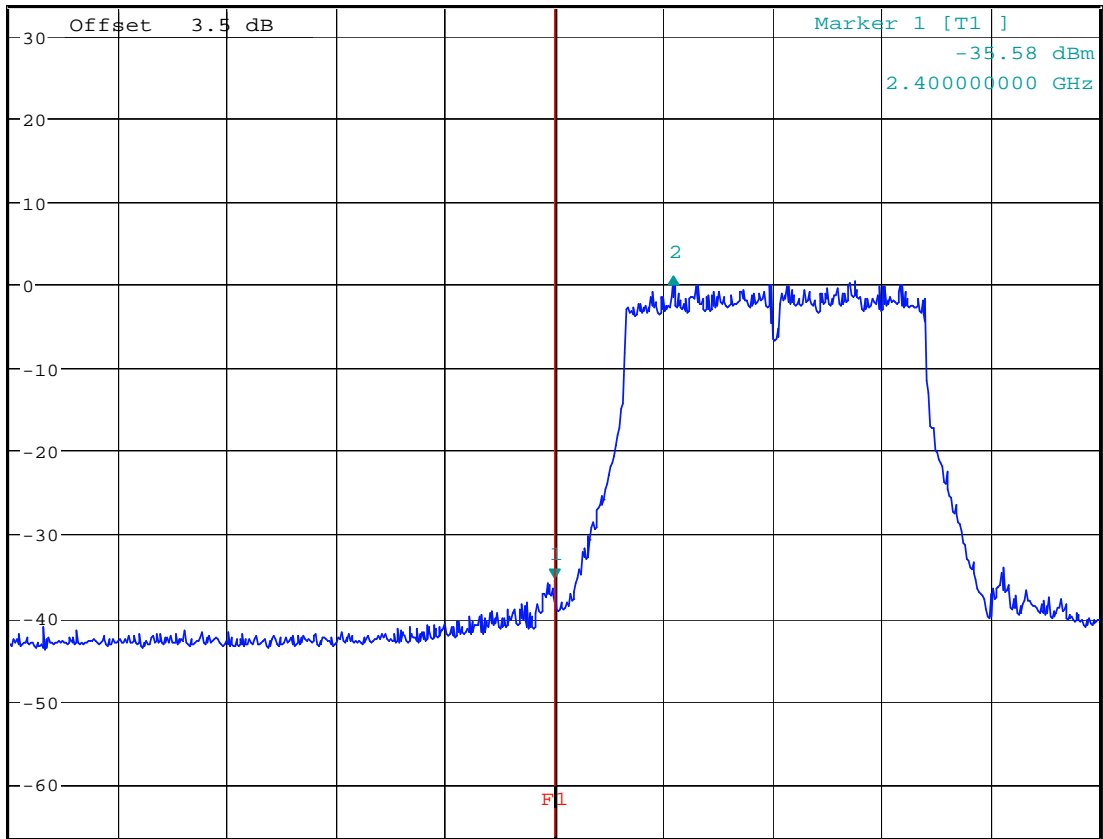
Appendix C

Band Edge Measurement



Ref 33.5 dBm *Att 30 dB *RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 36.36 dB
*SWT 200 ms 6.519230769 MHz

1 PK
MAXH



Center 2.4 GHz 6 MHz/ Span 60 MHz

BANDEDGE COMPLIANCE 802.11g CH1

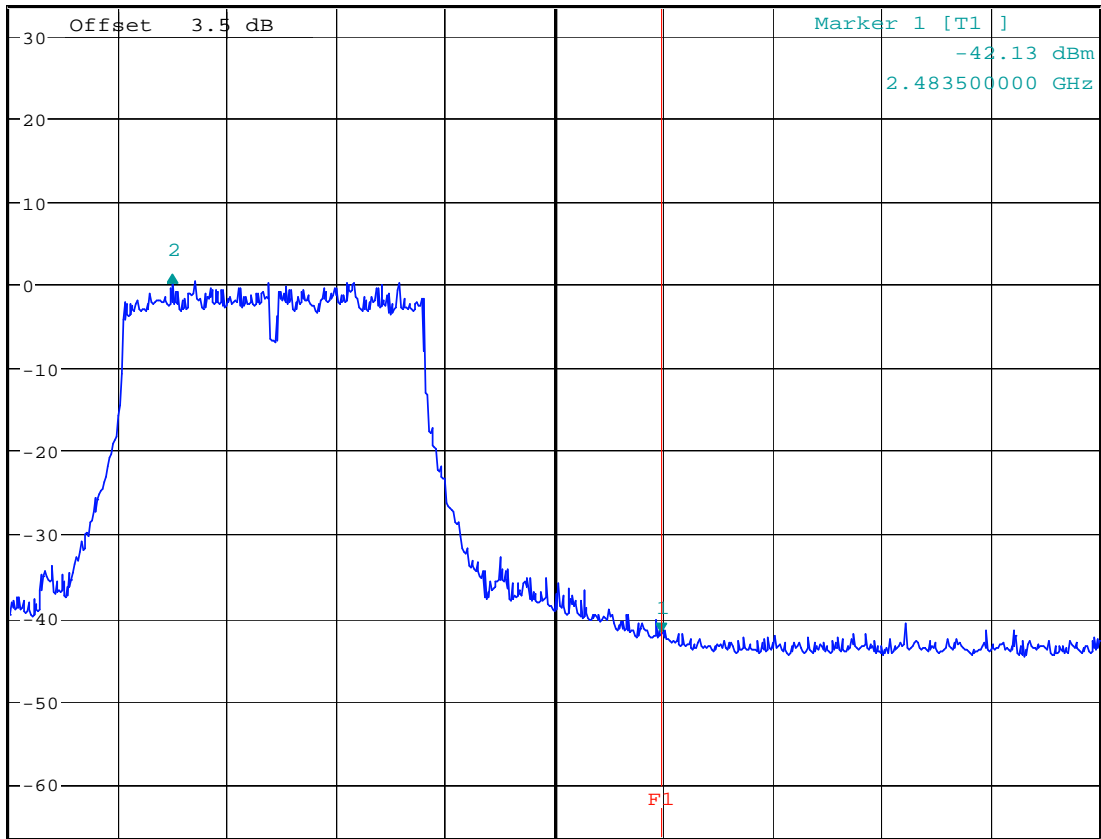
Date: 14.APR.2006 10:02:51



*RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 43.10 dB
*SWT 200 ms -26.957692308 MHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Center 2.4776 GHz

6 MHz/

Span 60 MHz

BANDEDGE COMPLIANCE 802.11g CH11

Date: 14.APR.2006 10:06:20



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

Appendix D

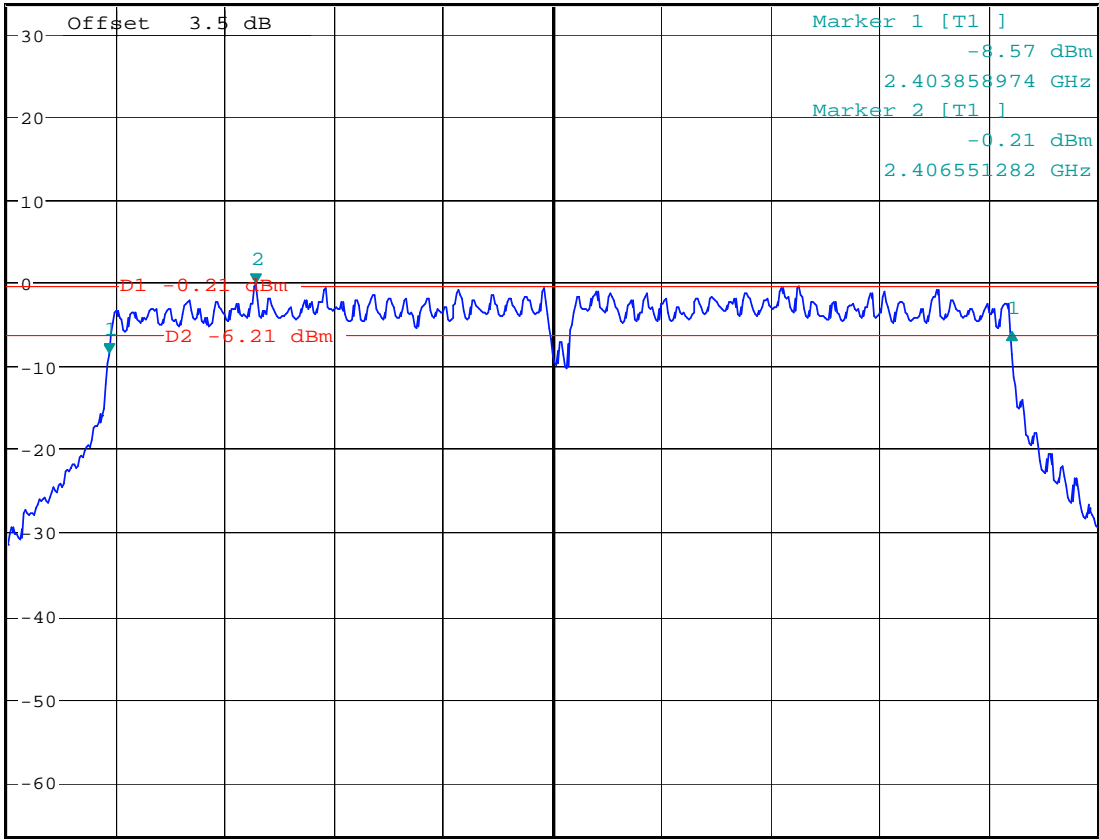
Minimum 6dB Bandwidth



*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz 2.43 dB
*SWT 200 ms 16.570512821 MHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Center 2.412 GHz 2 MHz/ Span 20 MHz

11G 6dB BANDWIDTH CH1

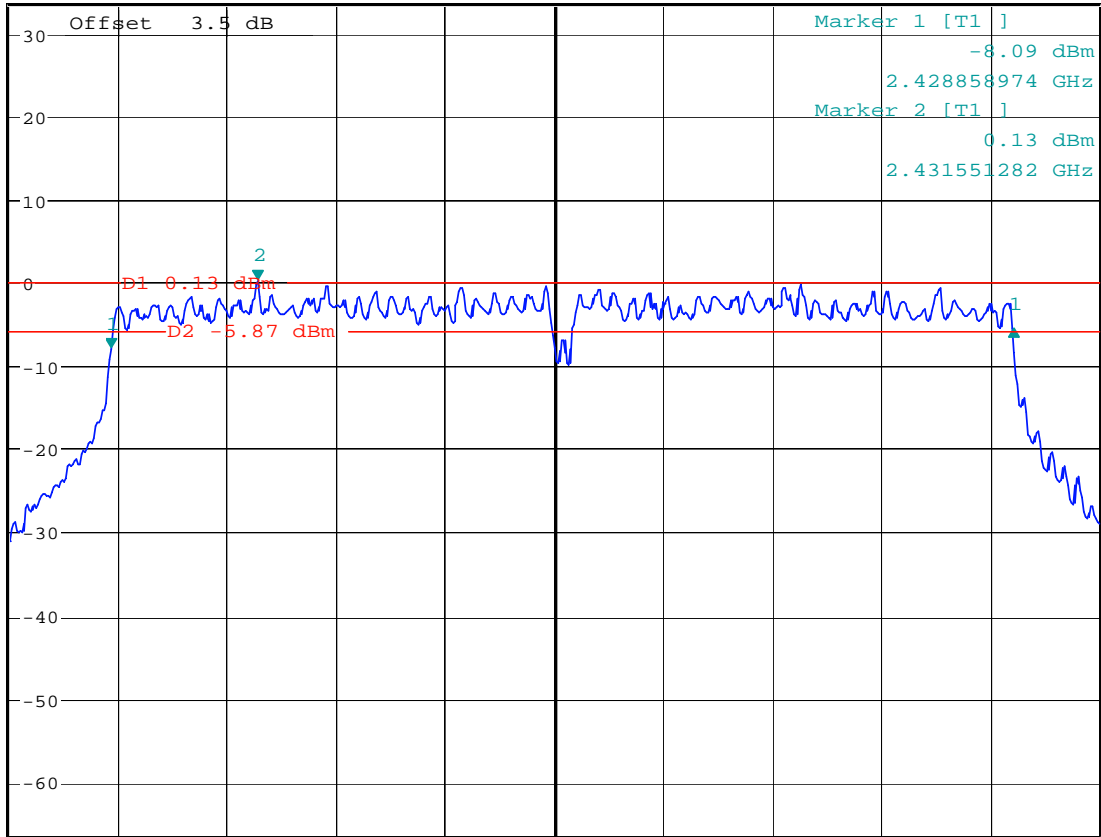
Date: 8.APR.2006 11:25:04



*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz 2.32 dB
*SWT 200 ms 16.570512821 MHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Center 2.437 GHz 2 MHz/ Span 20 MHz

11G 6dB BANDWIDTH CH6

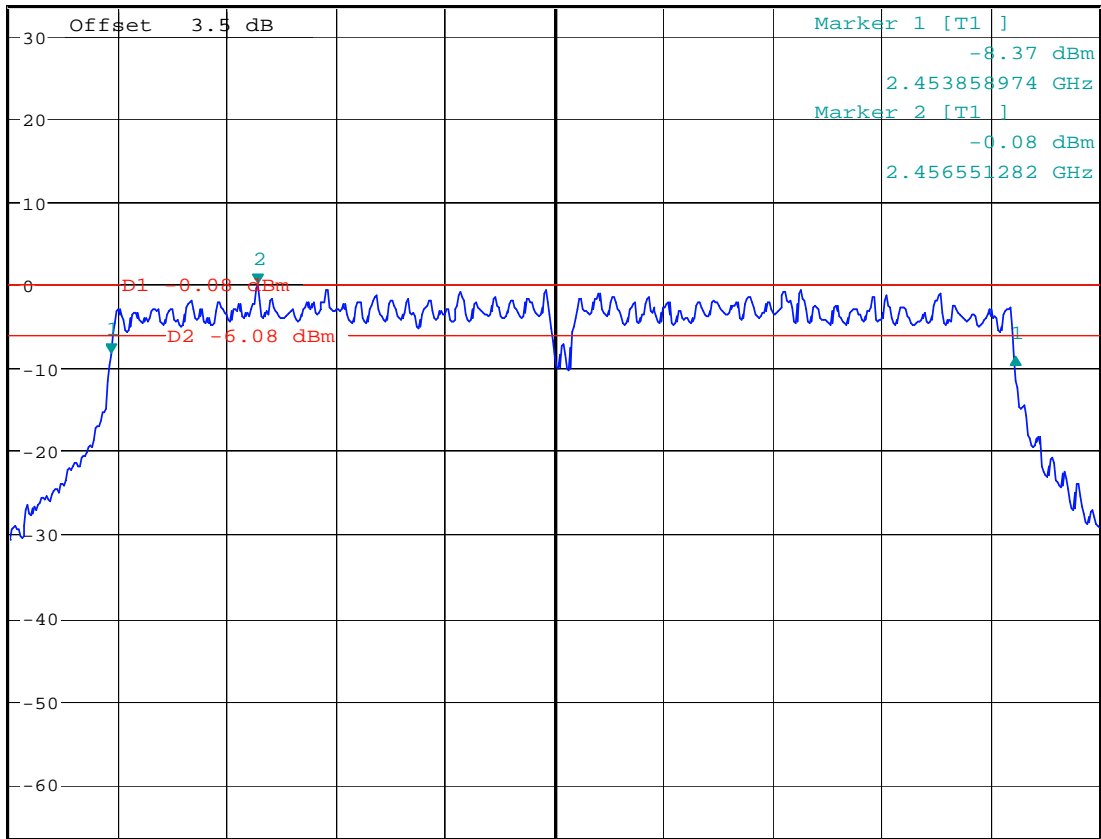
Date: 8.APR.2006 11:22:59



*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz -0.43 dB
*SWT 200 ms 16.602564103 MHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Center 2.462 GHz

2 MHz/

Span 20 MHz

11G 6dB BANDWIDTH CH11

Date: 8.APR.2006 11:20:35



Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

Appendix E

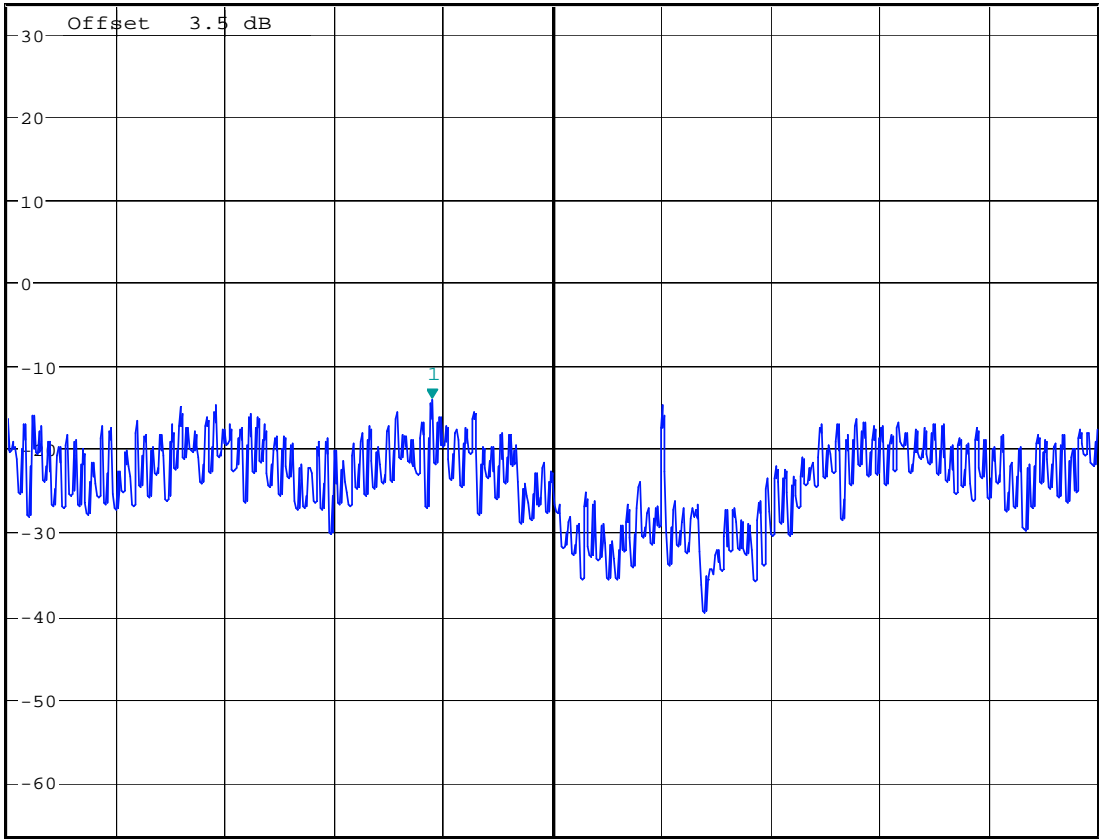
Peak Power Spectral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 100 kHz -14.11 dBm
*SWT 500 s 2.411834135 GHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Offset 3.5 dB
Center 2.412 GHz 150 kHz/ Span 1.5 MHz

11G POWER DENSITY CH1

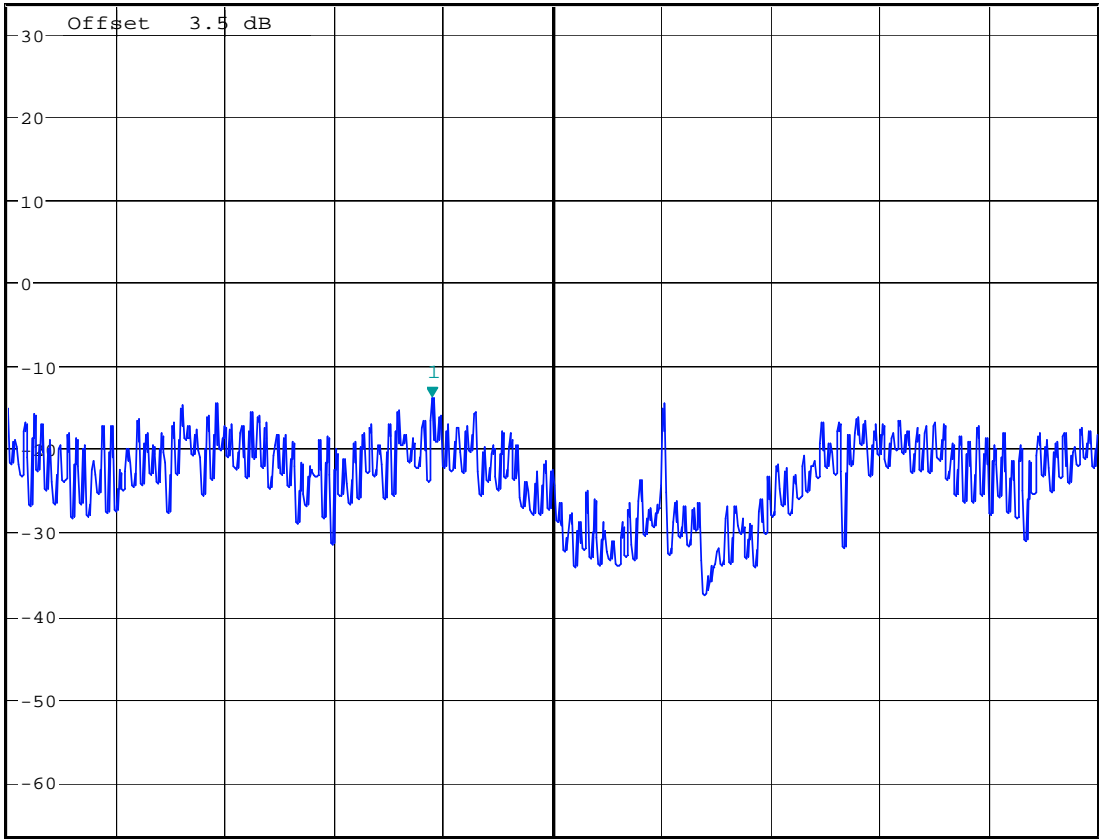
Date: 8.APR.2006 11:47:26



*RBW 3 kHz Marker 1 [T1]
*VBW 100 kHz -13.94 dBm
*SWT 500 s 2.436834135 GHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Center 2.437 GHz 150 kHz/ Span 1.5 MHz

11G POWER DENSITY CH6

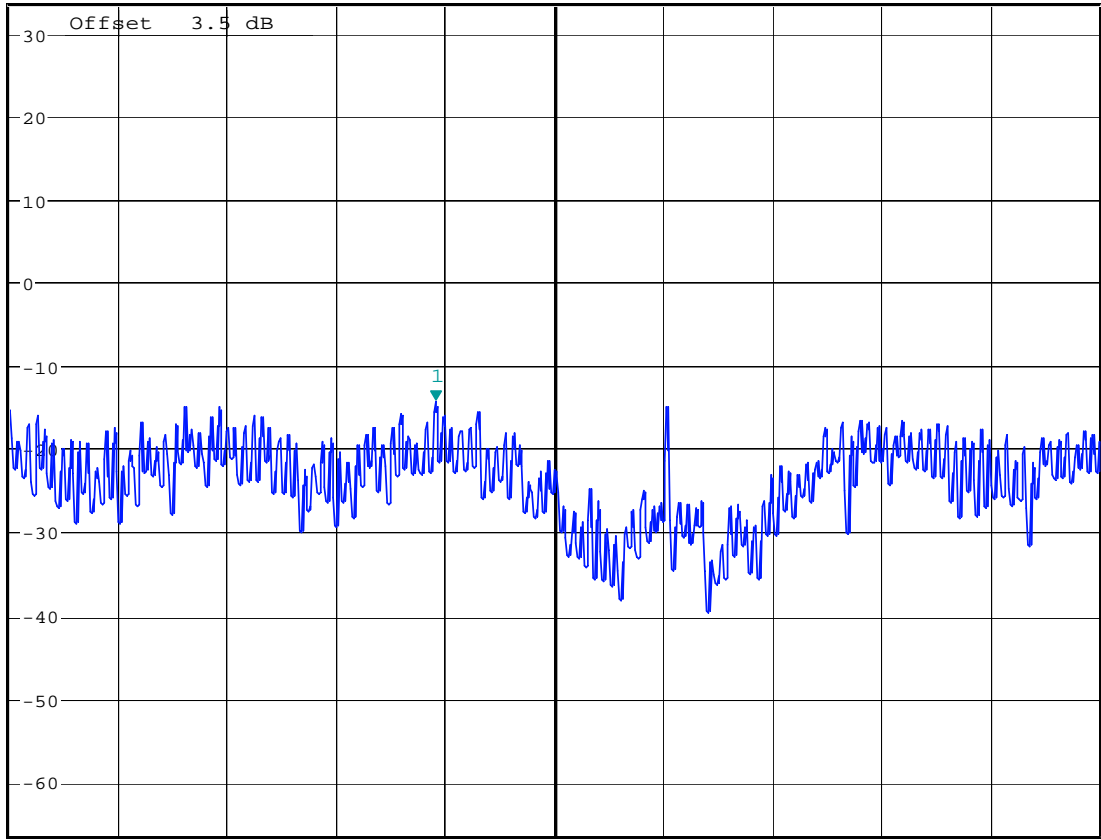
Date: 8.APR.2006 11:48:13



*RBW 3 kHz Marker 1 [T1]
*VBW 100 kHz -14.28 dBm
*SWT 500 s 2.461836538 GHz

Ref 33.5 dBm *Att 30 dB

1 PK
MAXH



Center 2.462 GHz 150 kHz/ Span 1.5 MHz

11G POWER DENSITY CH11

Date: 8.APR.2006 11:41:28



Registration number: W6M20603-6773-C-2

FCC ID: RXZ-WP71RL

Appendix F

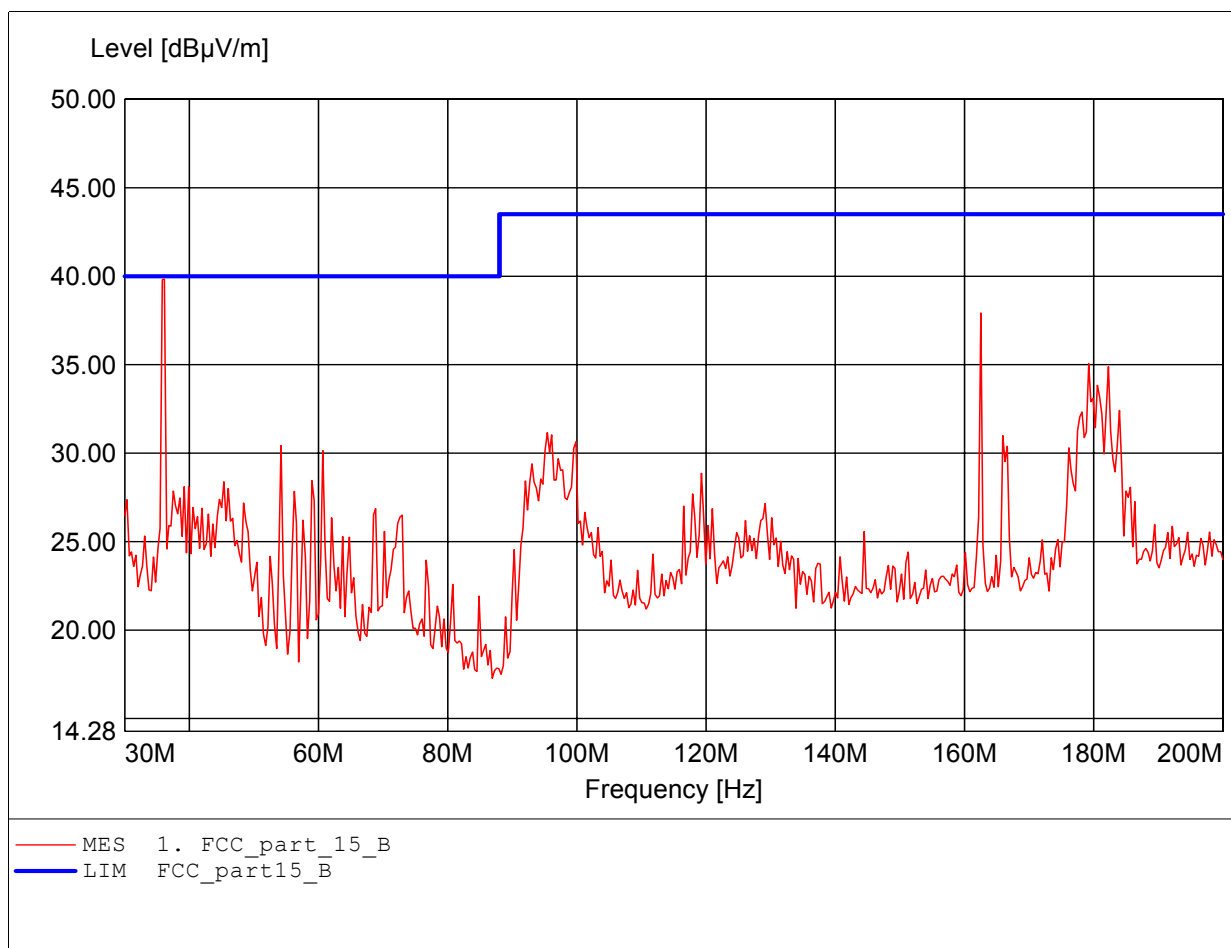
Radiated Emissions from Receiver Section of Transceiver

The measurement diagrams are wideband pre-scan results; only for reference. The final results are measured at OATS of 3 m. Please see final results as page 23 to 25.

Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

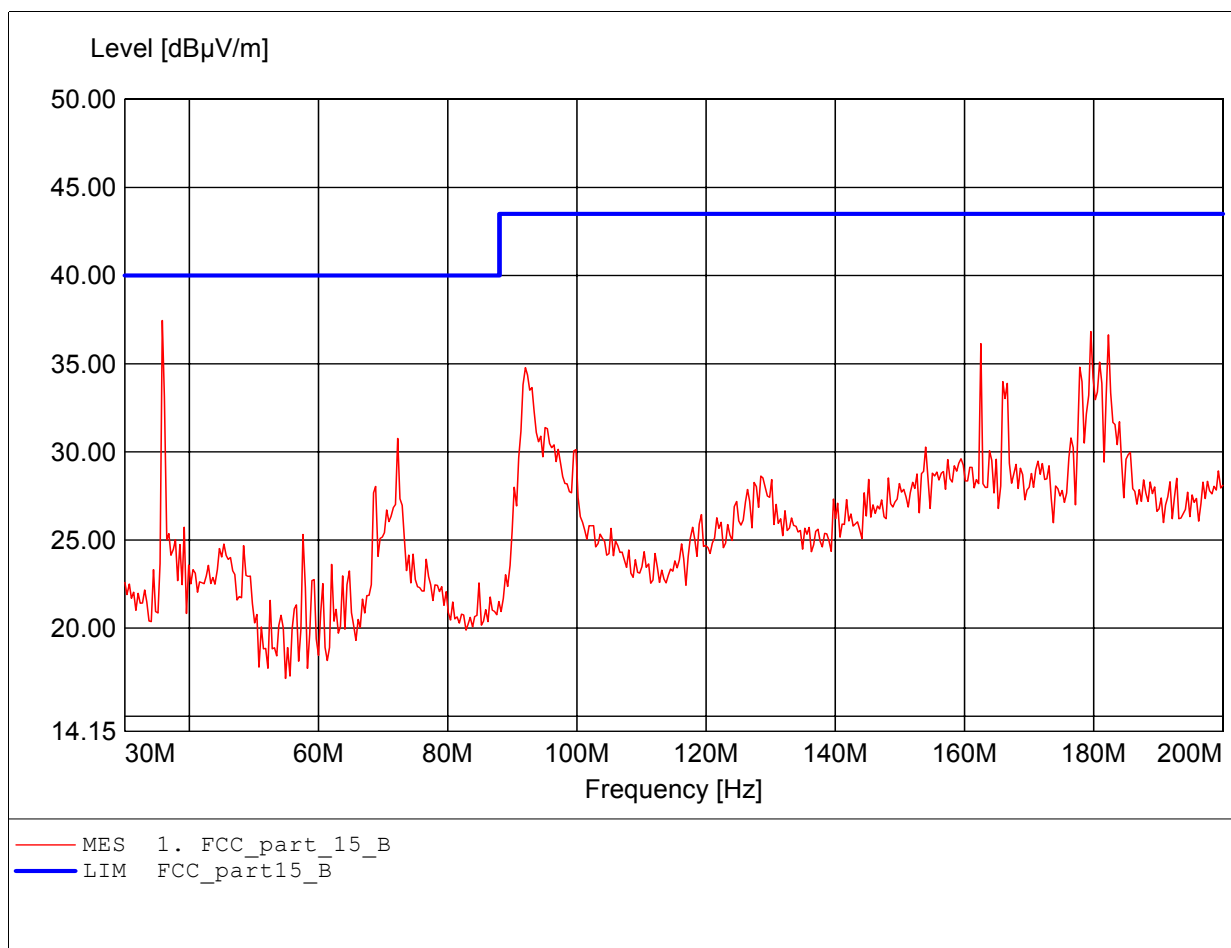
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:36.132MHz Emax:39.84dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

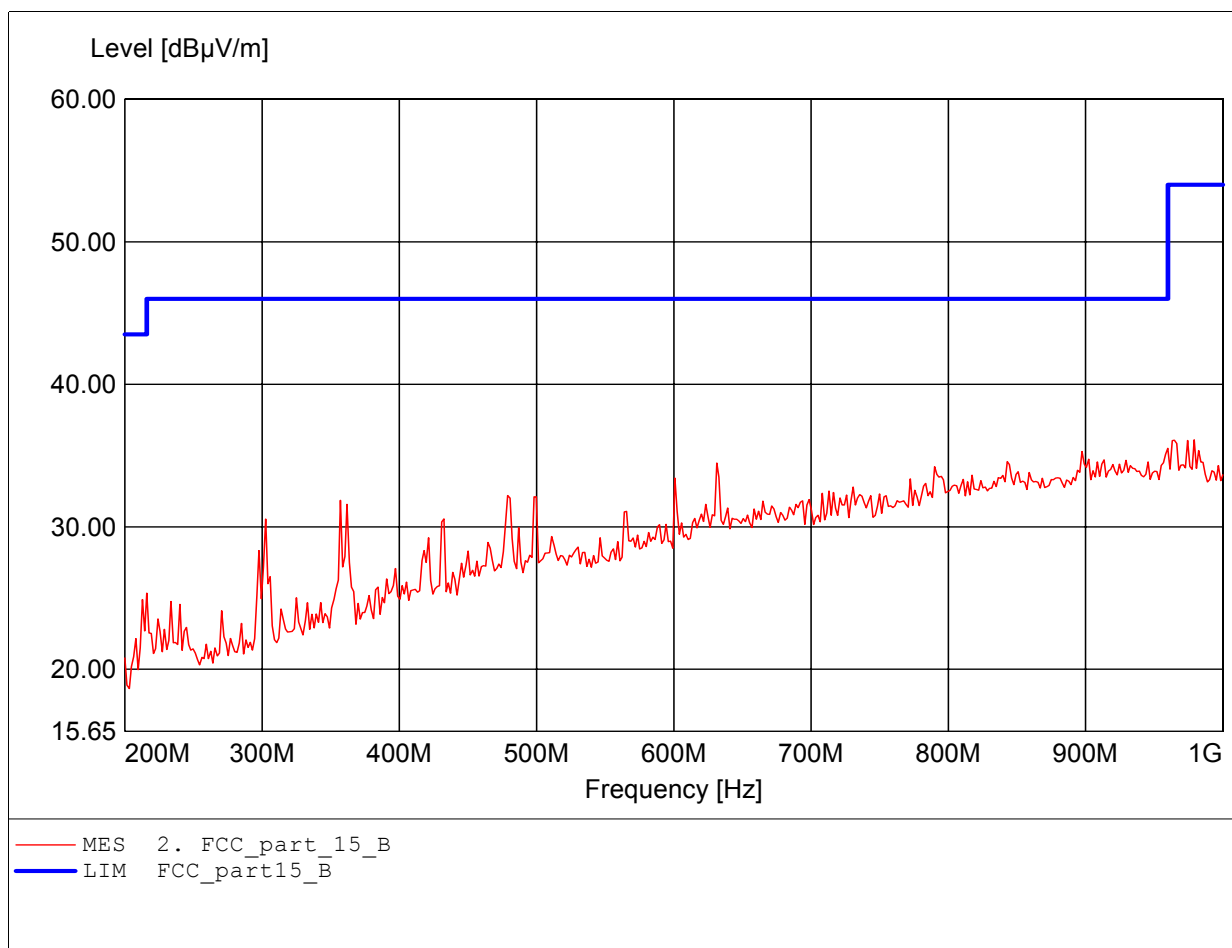
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:35.792MHz Emax:37.45dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

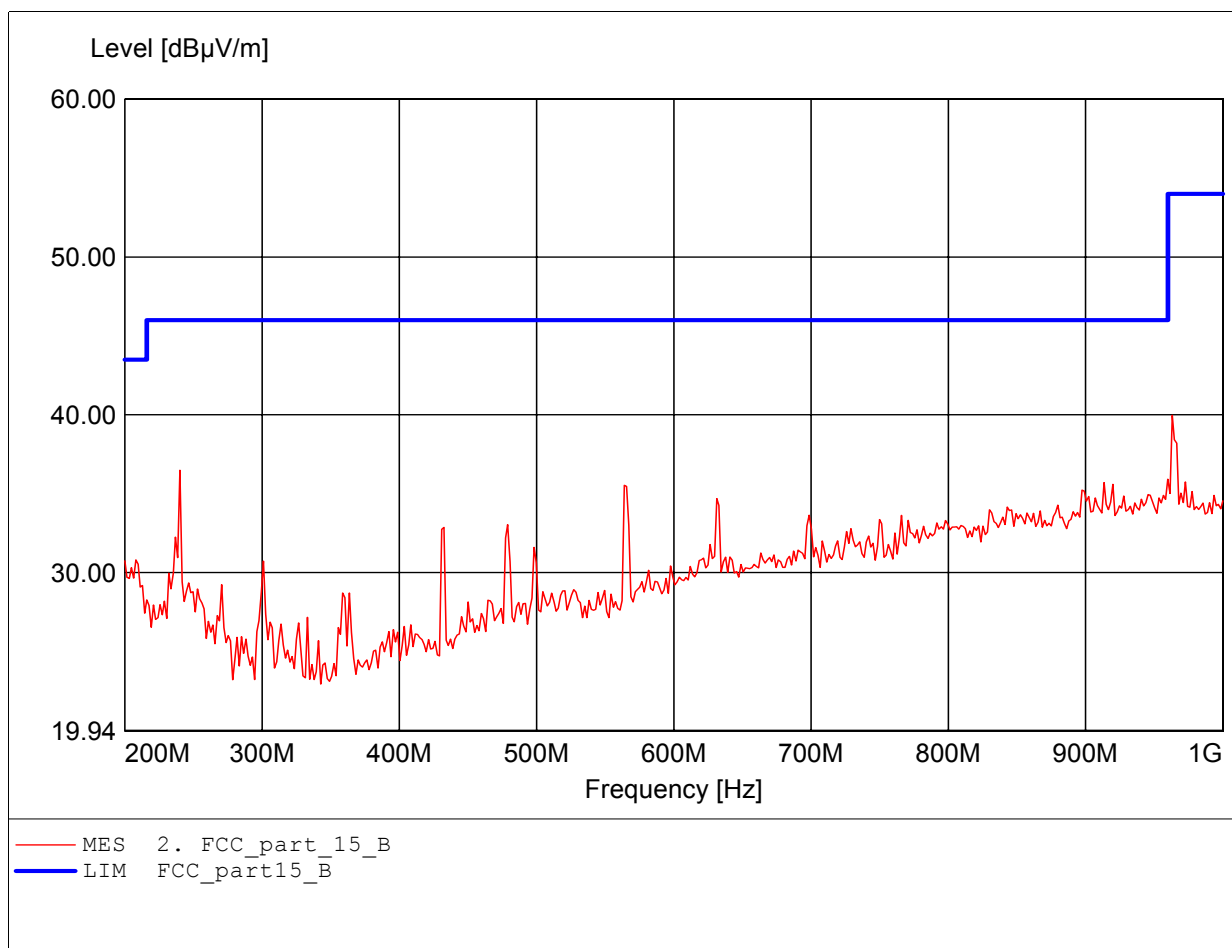
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:979.158MHz Emax:36.10dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

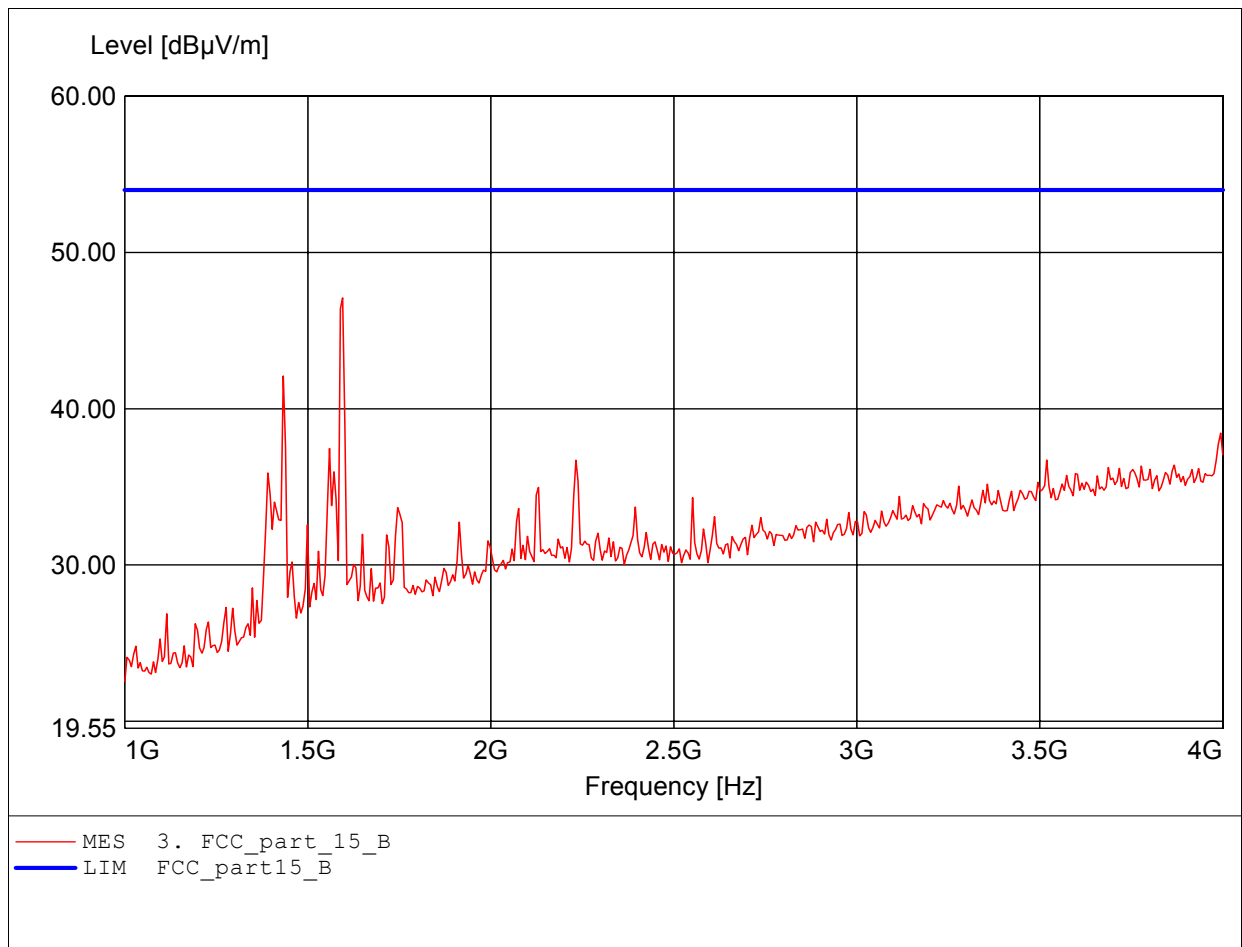
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:963.126MHz Emax:39.97dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

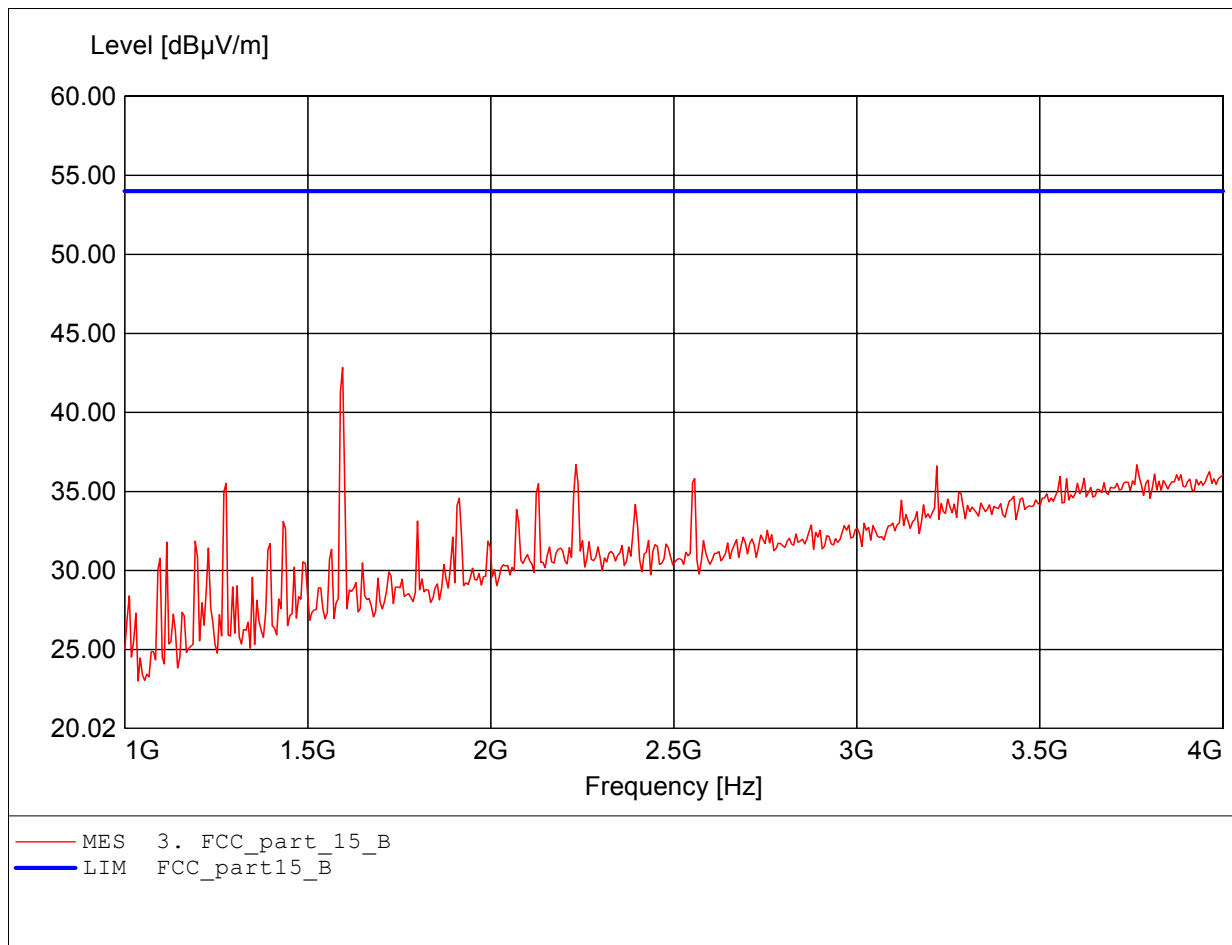
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:1.595GHz Emax:47.09dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

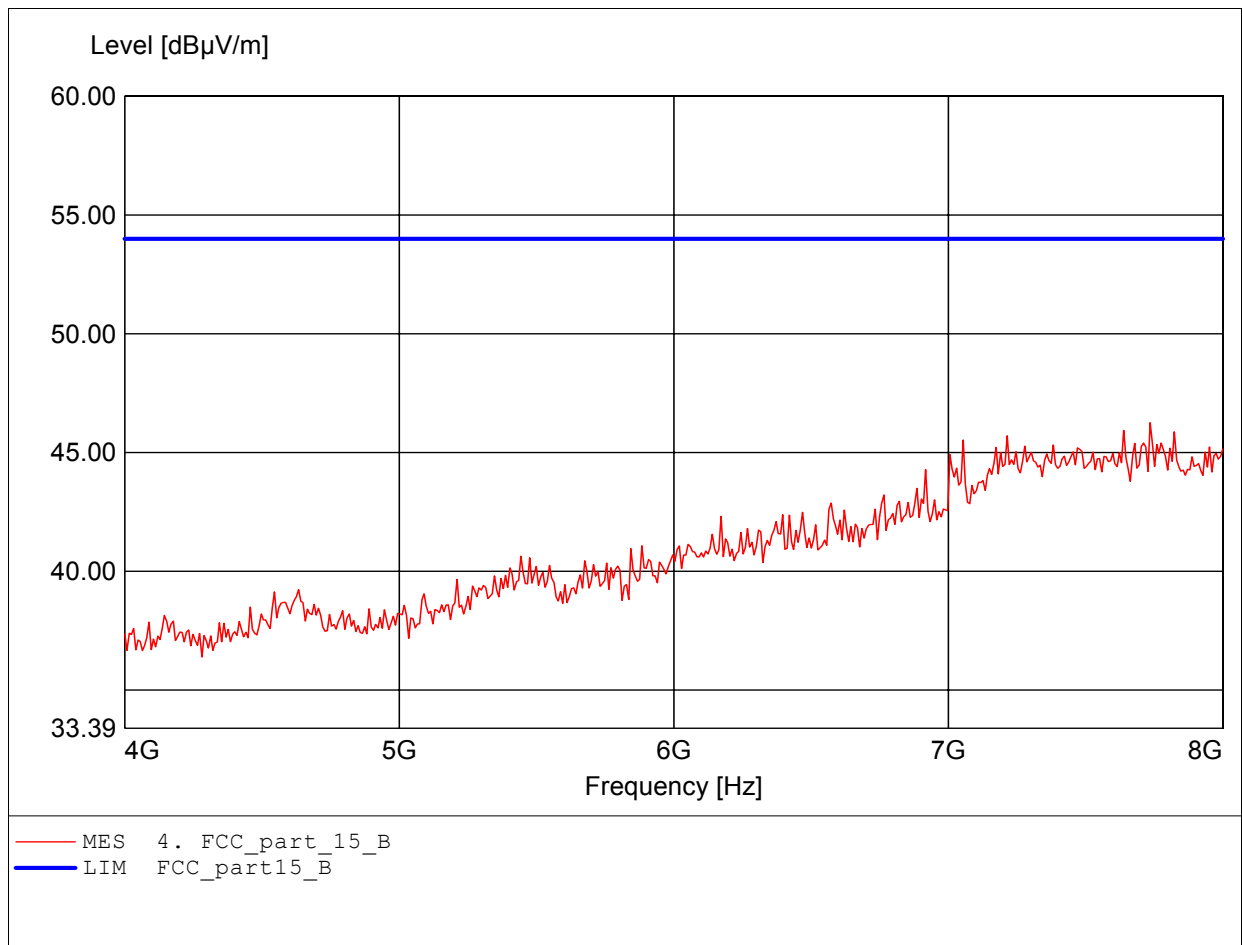
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:1.595GHz Emax:42.84dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

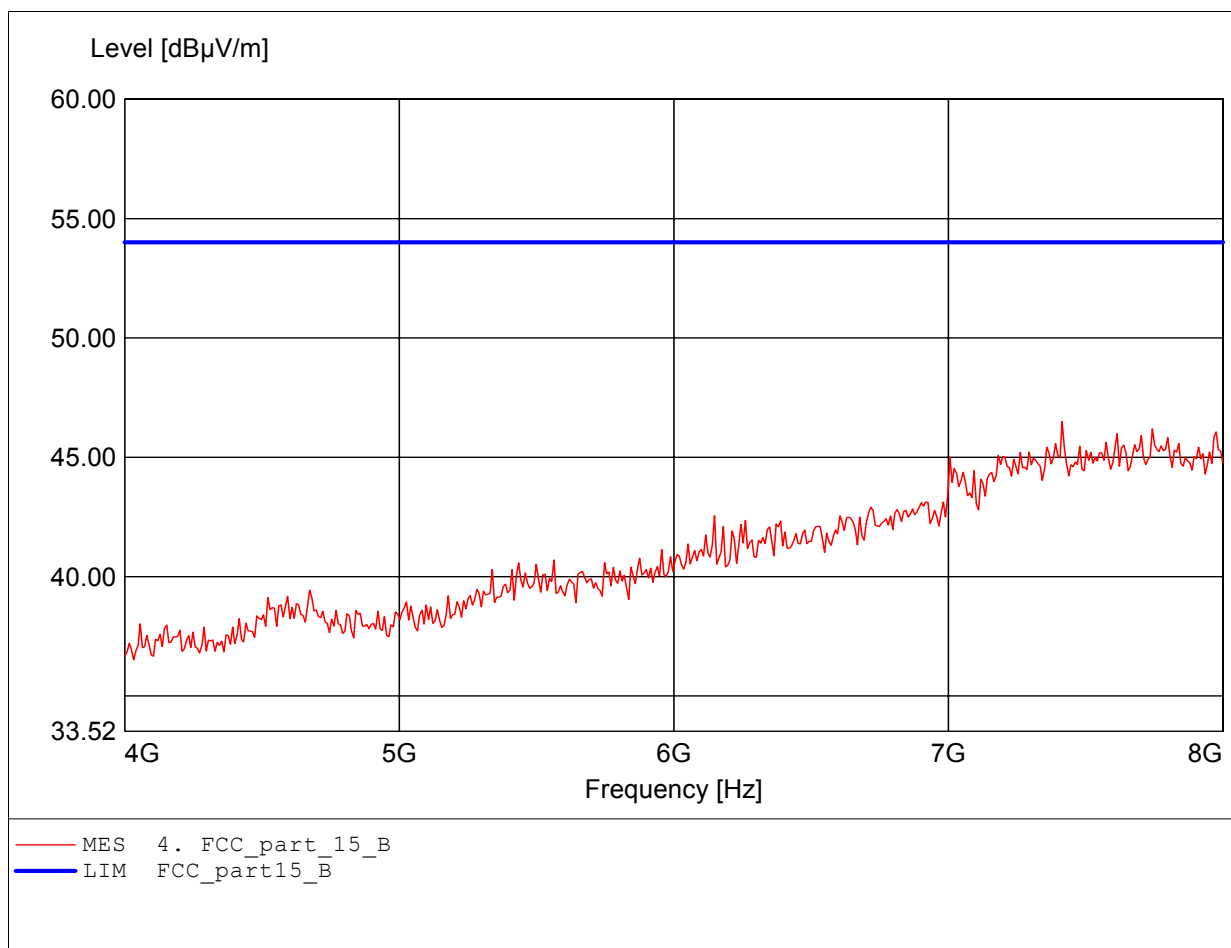
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.735GHz Emax:46.26dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

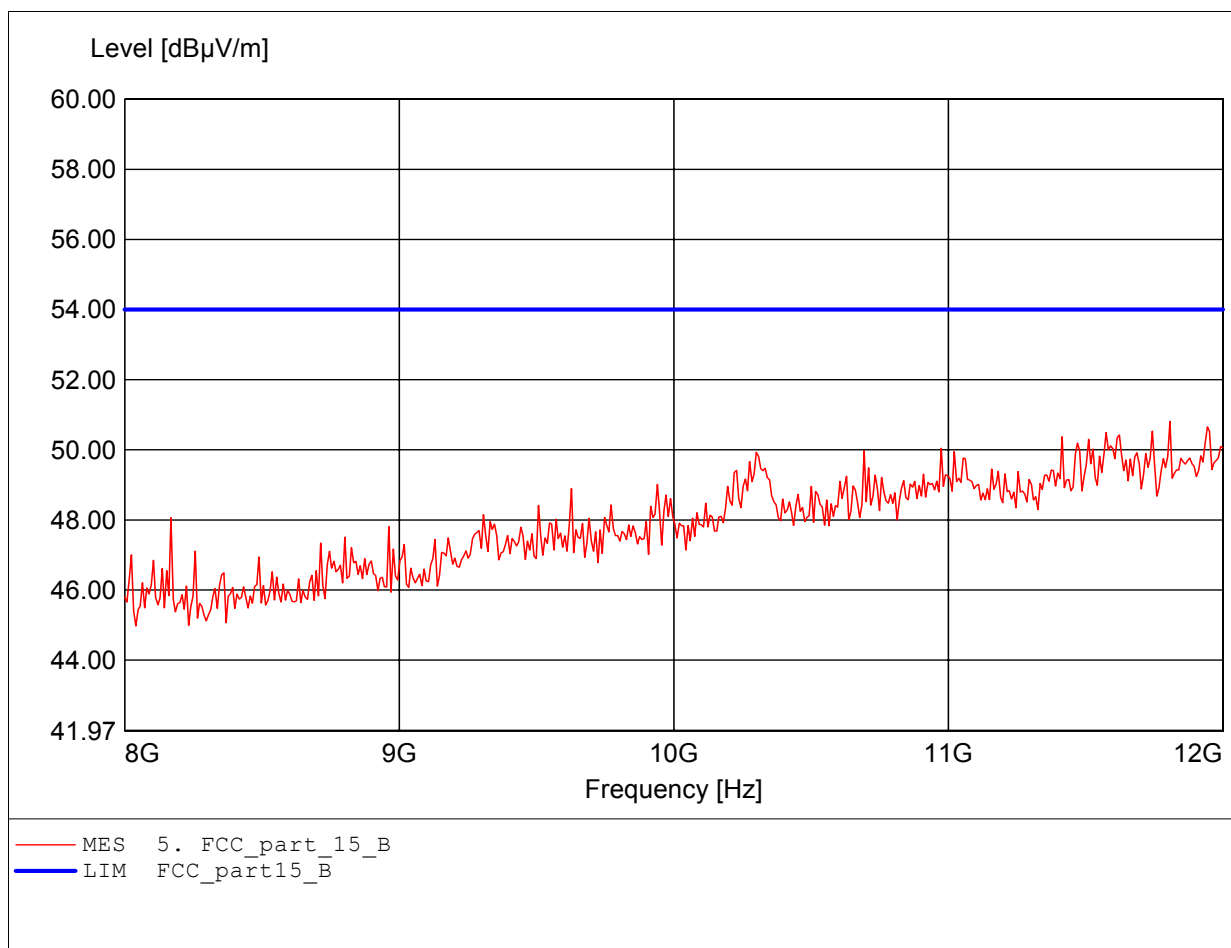
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.415GHz Emax:46.50dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

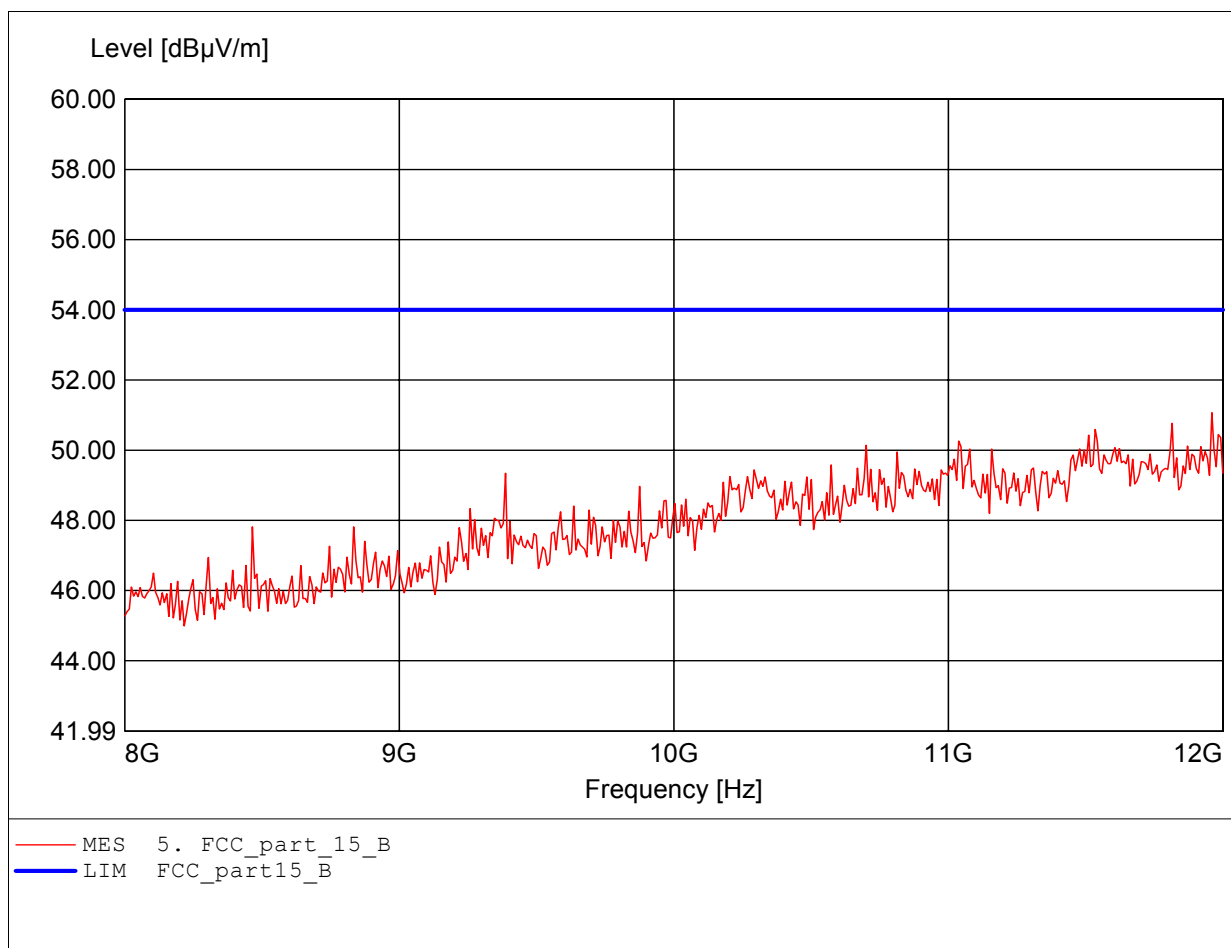
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.808GHz Emax:50.81dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

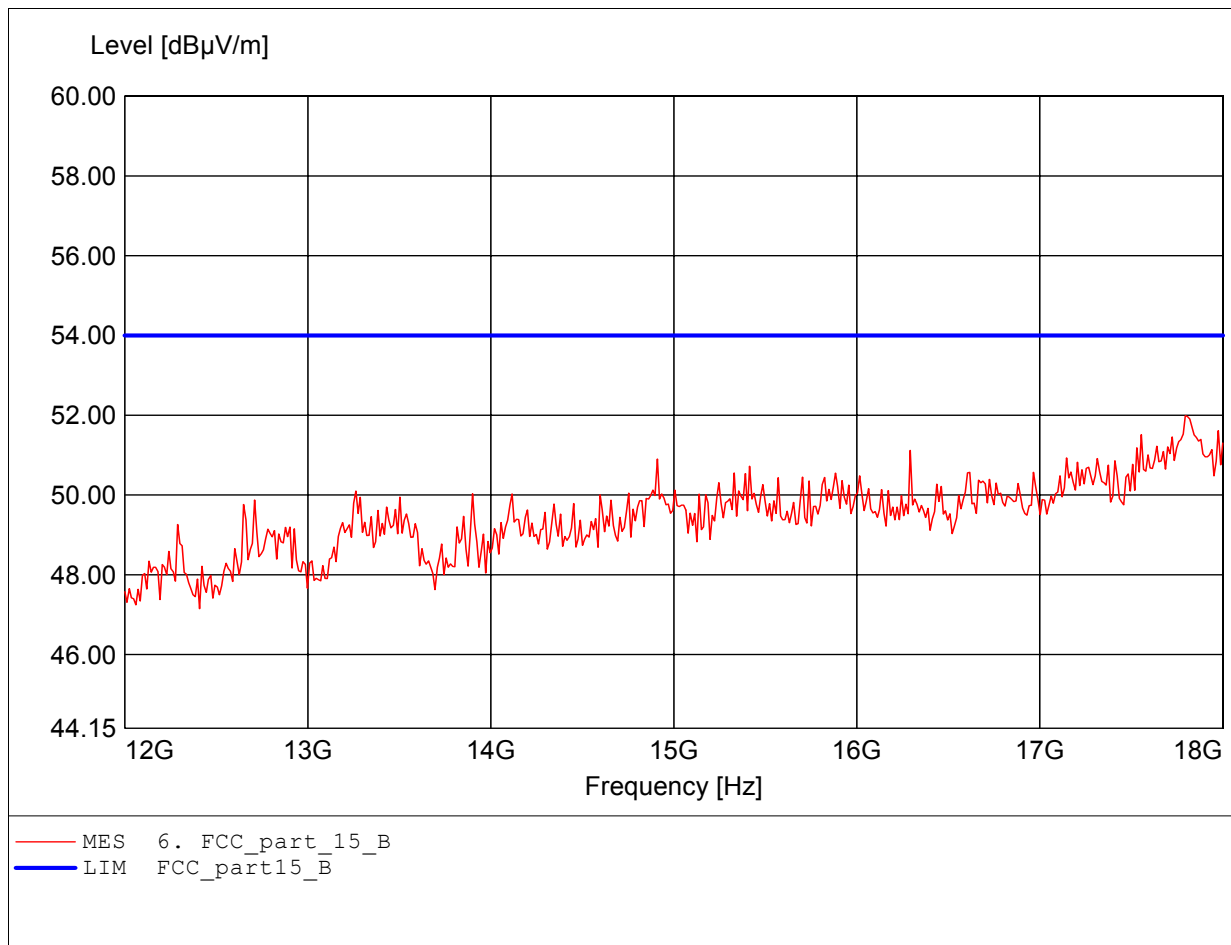
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.960GHz Emax:51.07dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

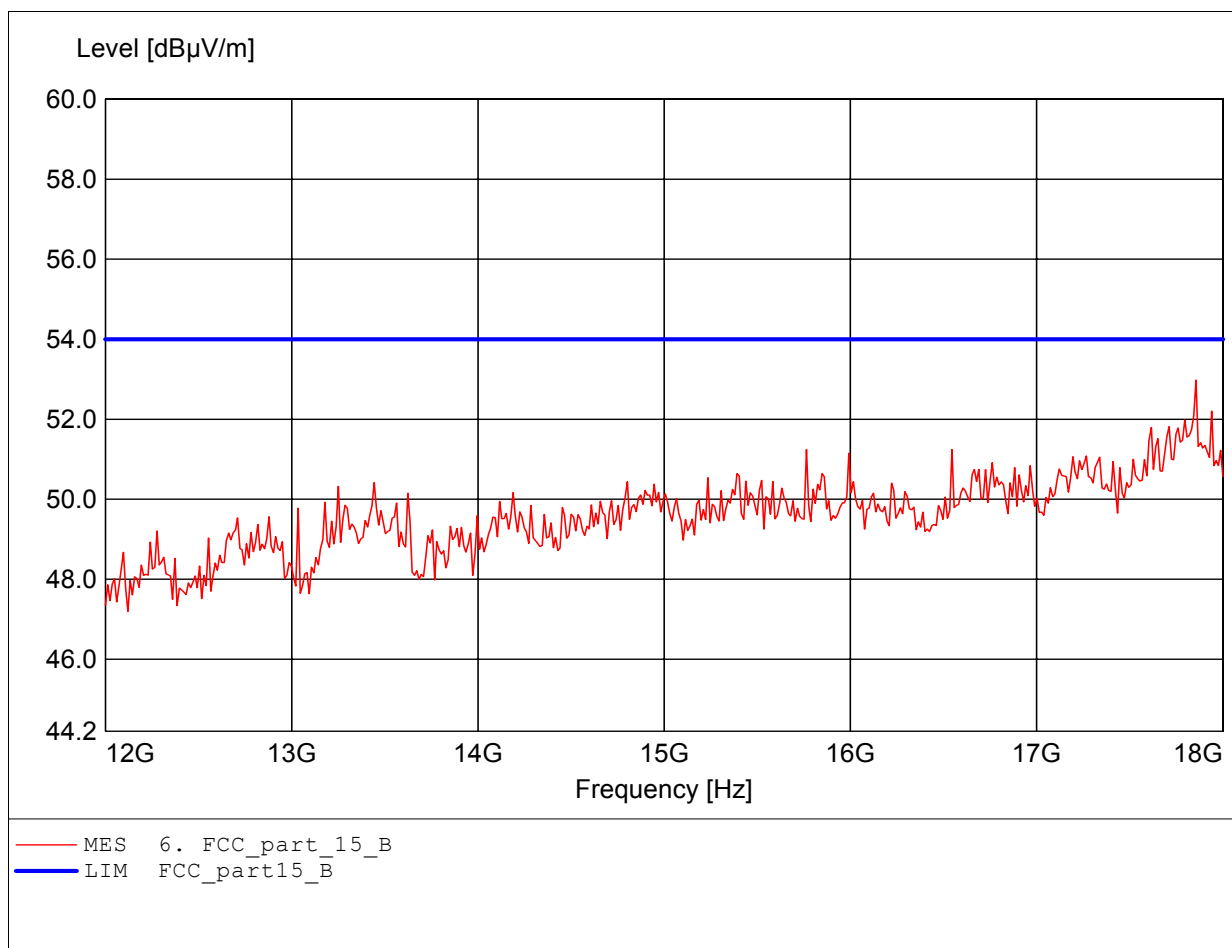
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.796GHz Emax:51.99dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

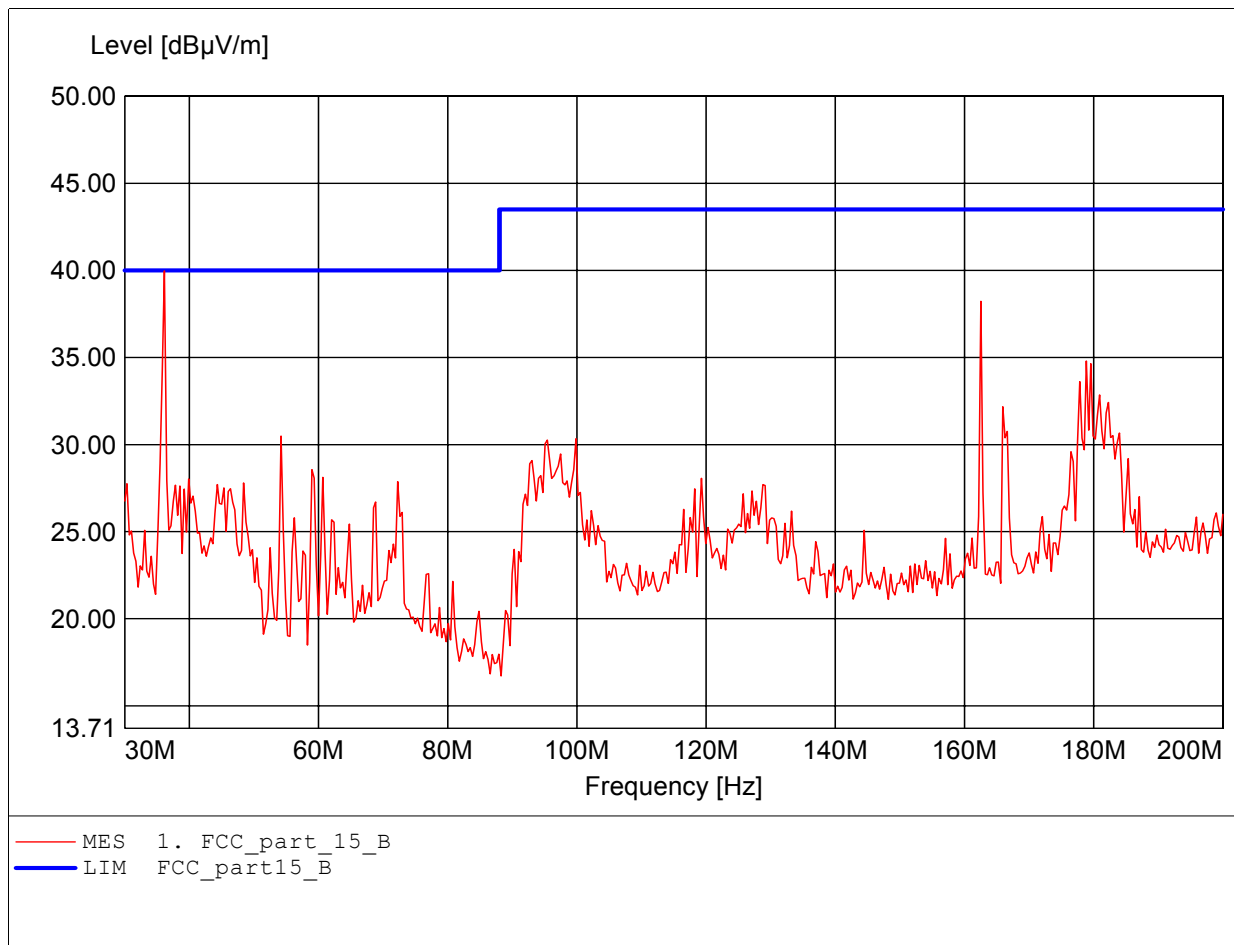
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 1
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.856GHz Emax:52.98dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

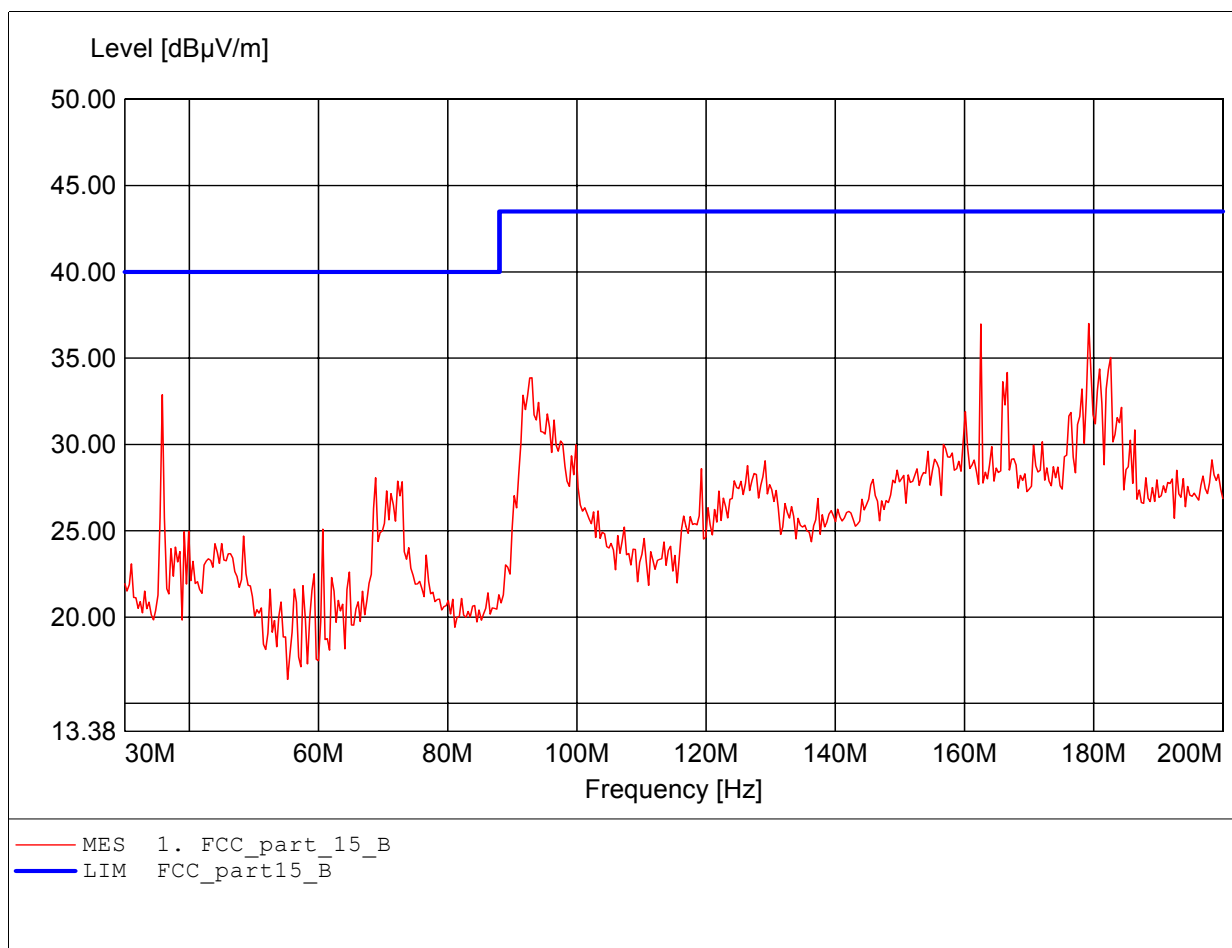
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:36.132MHz Emax:39.97dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

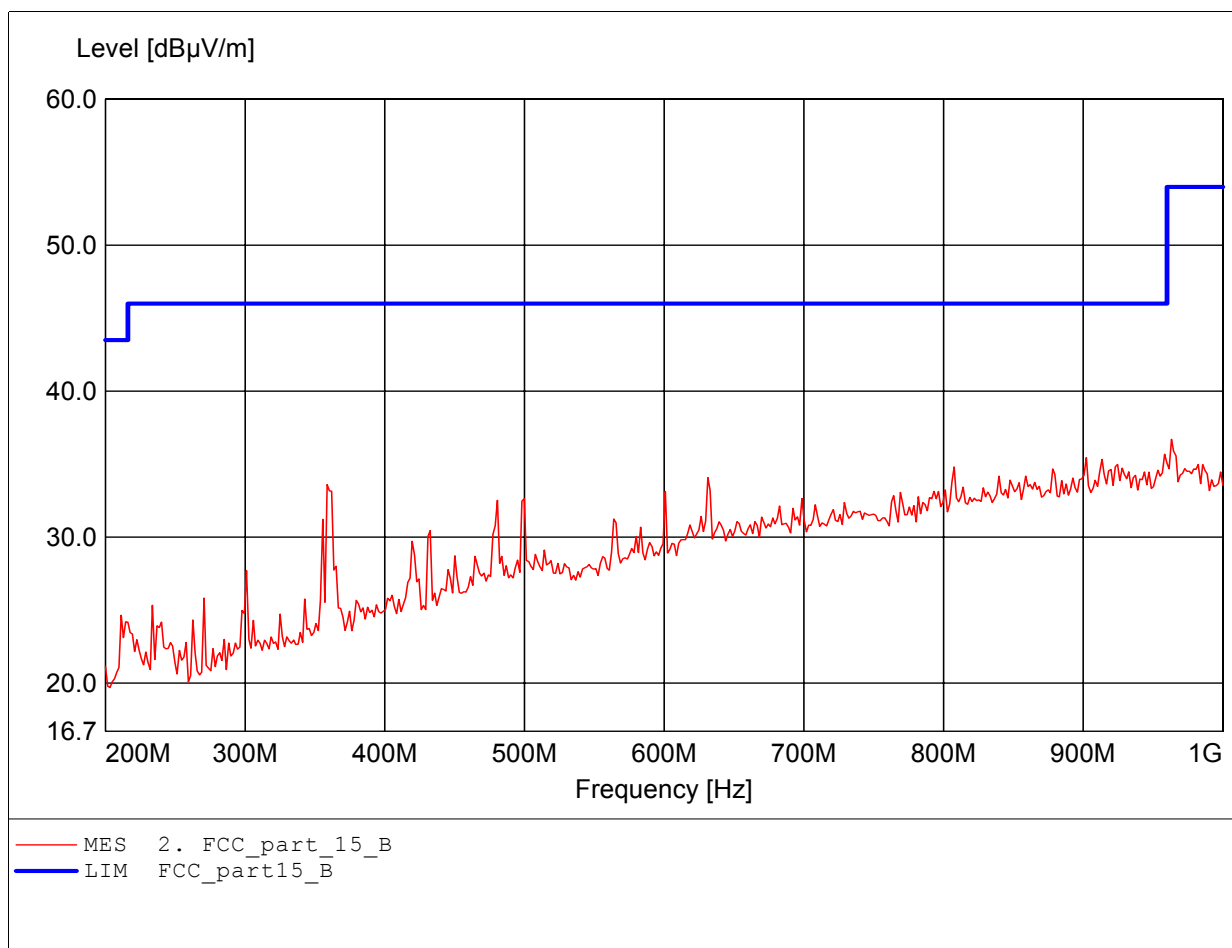
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:179.218MHz Emax:37.01dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

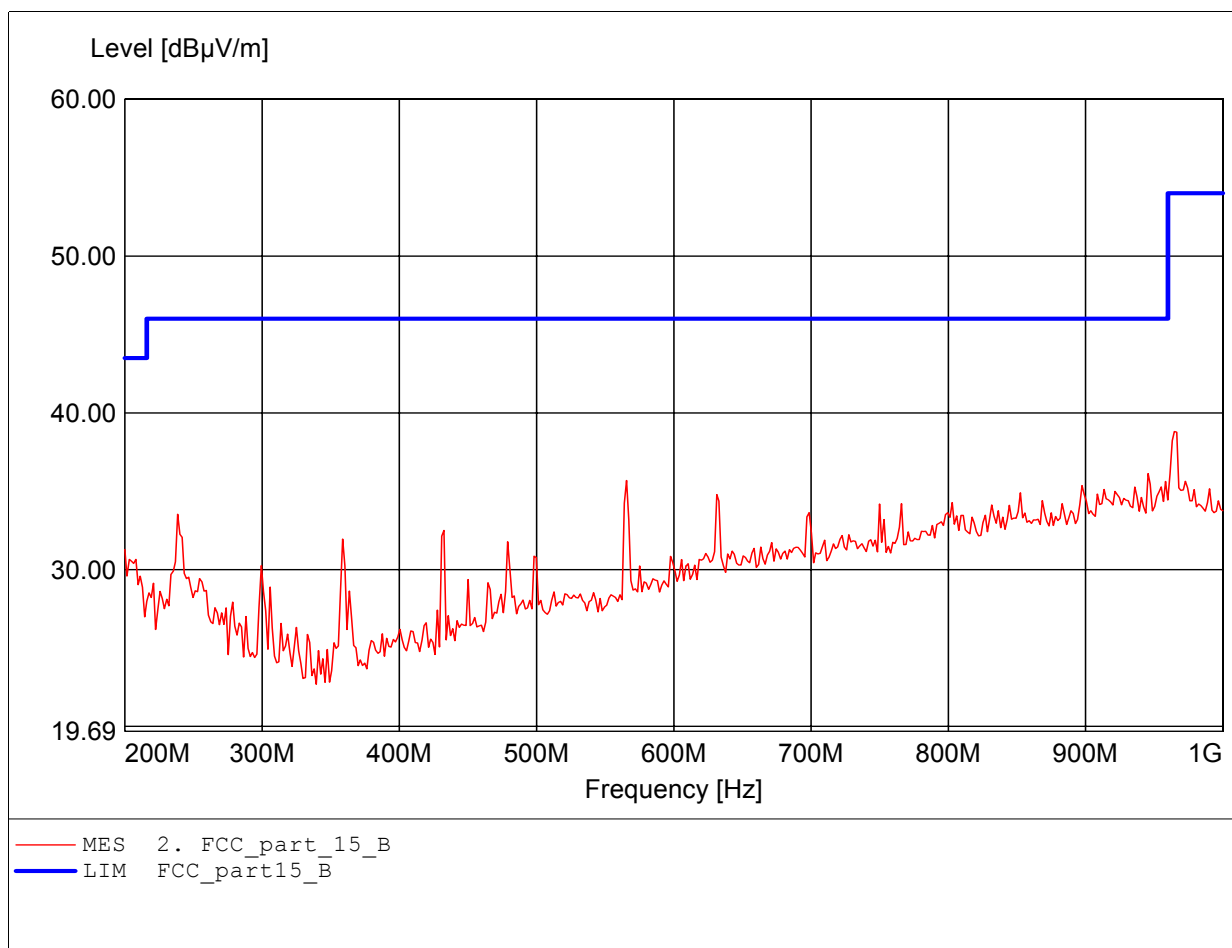
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:963.126MHz Emax:36.70dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

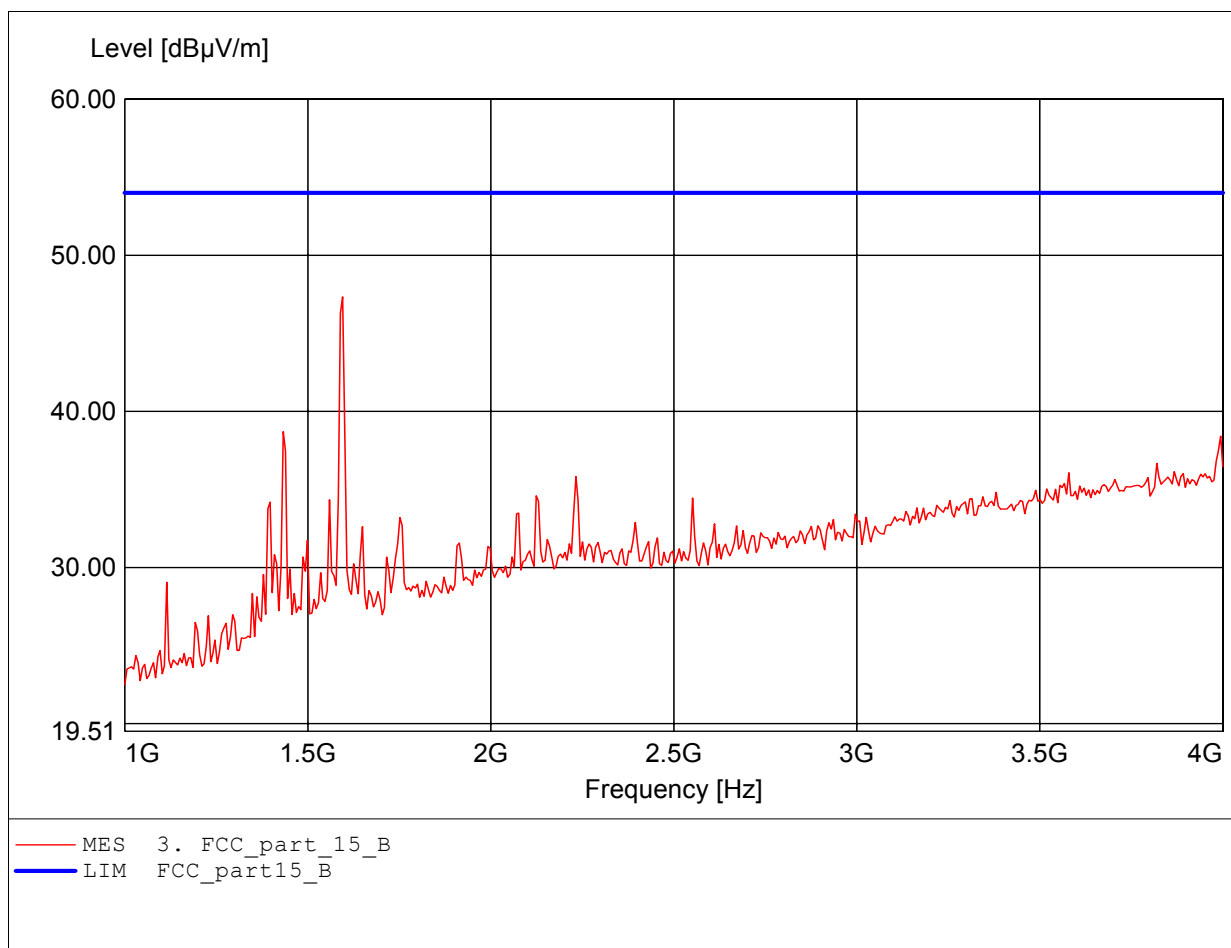
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:964.729MHz Emax:38.81dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

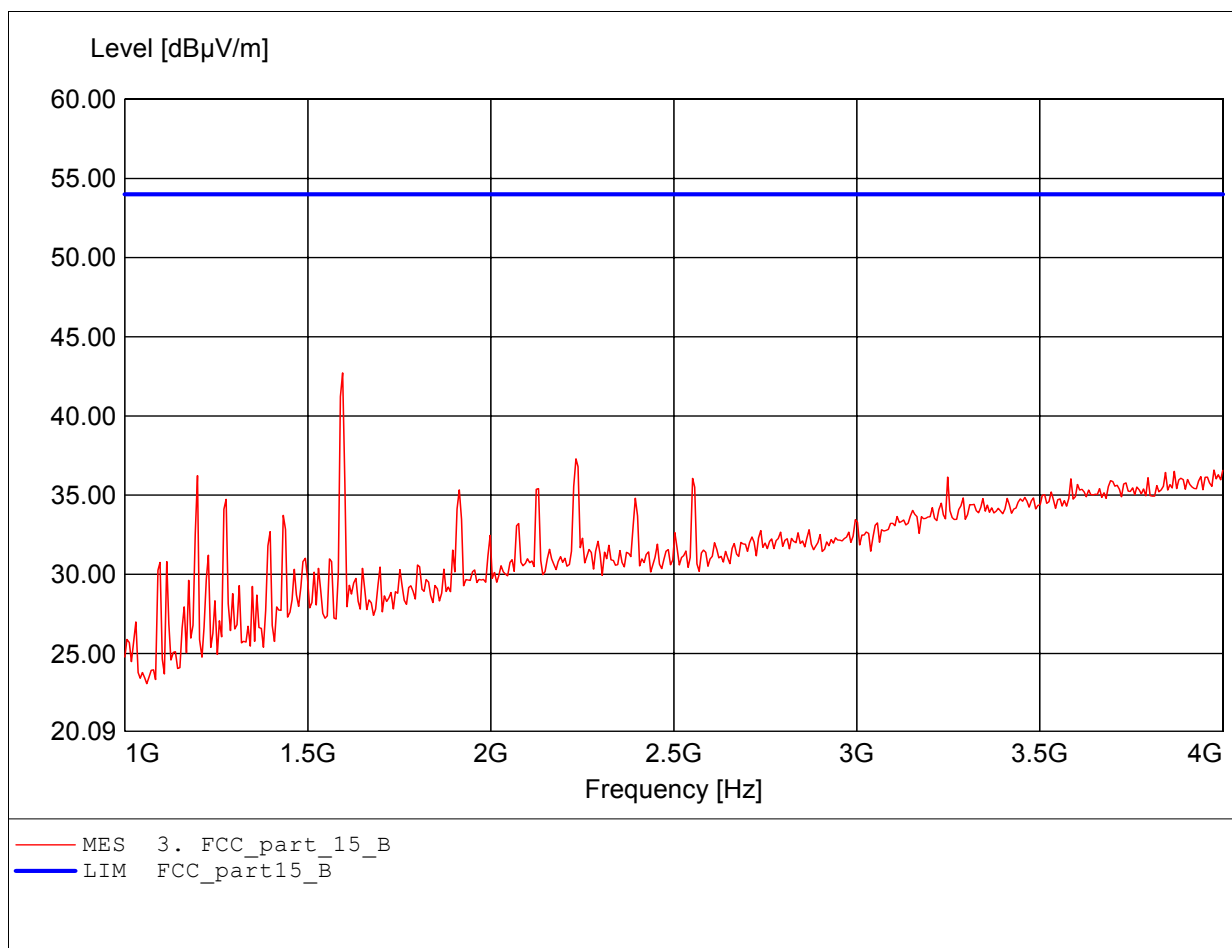
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:1.595GHz Emax:47.33dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

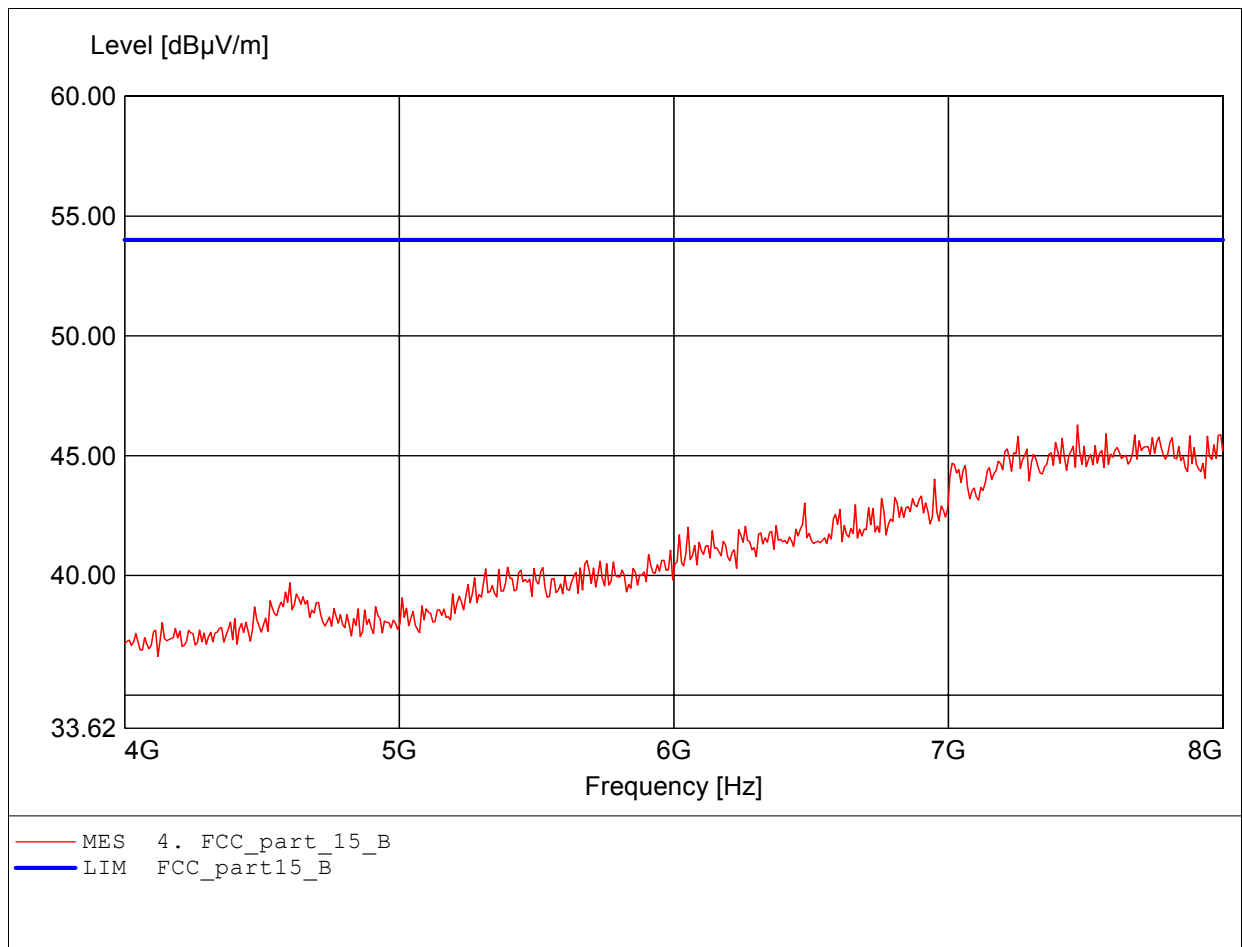
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:1.595GHz Emax:42.72dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

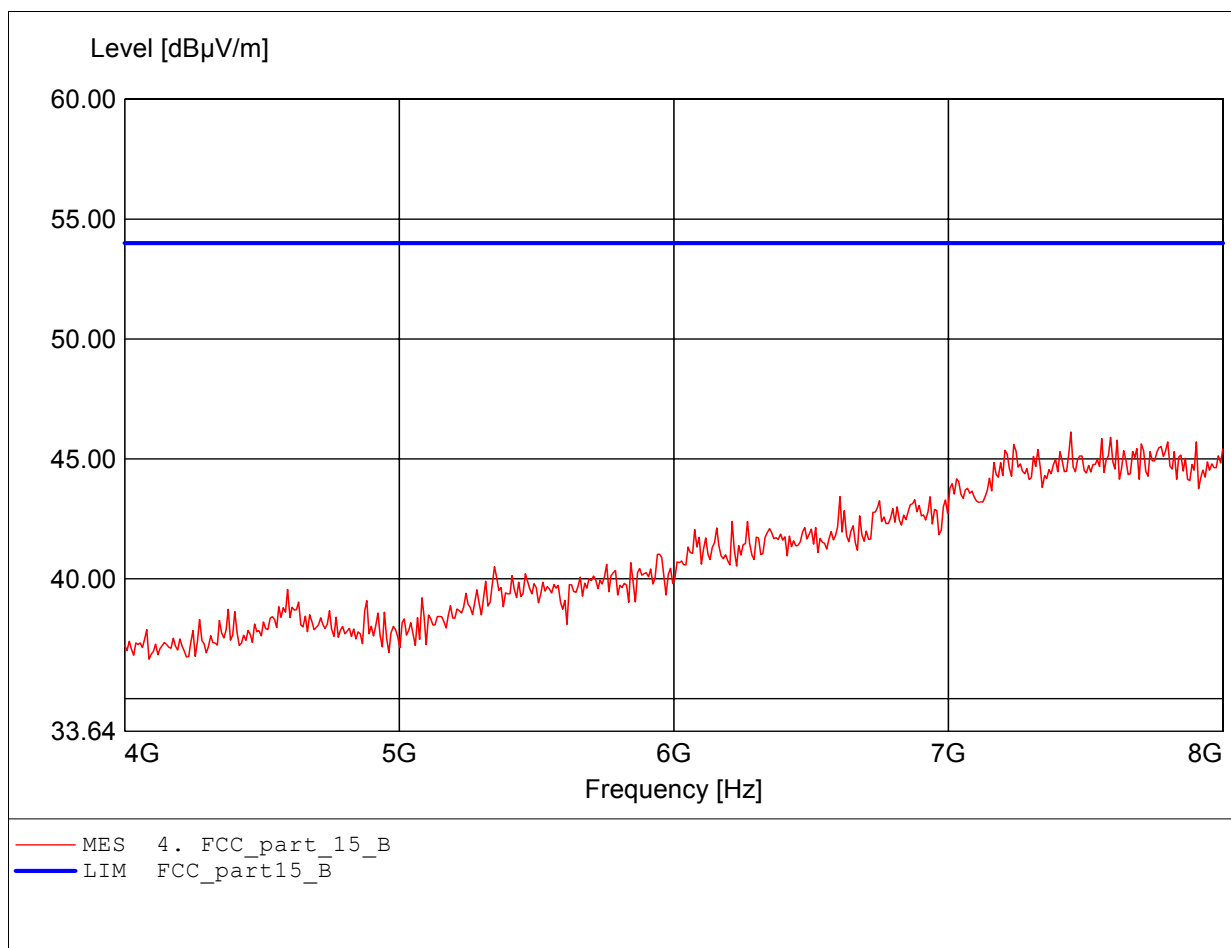
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.471GHz Emax:46.28dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

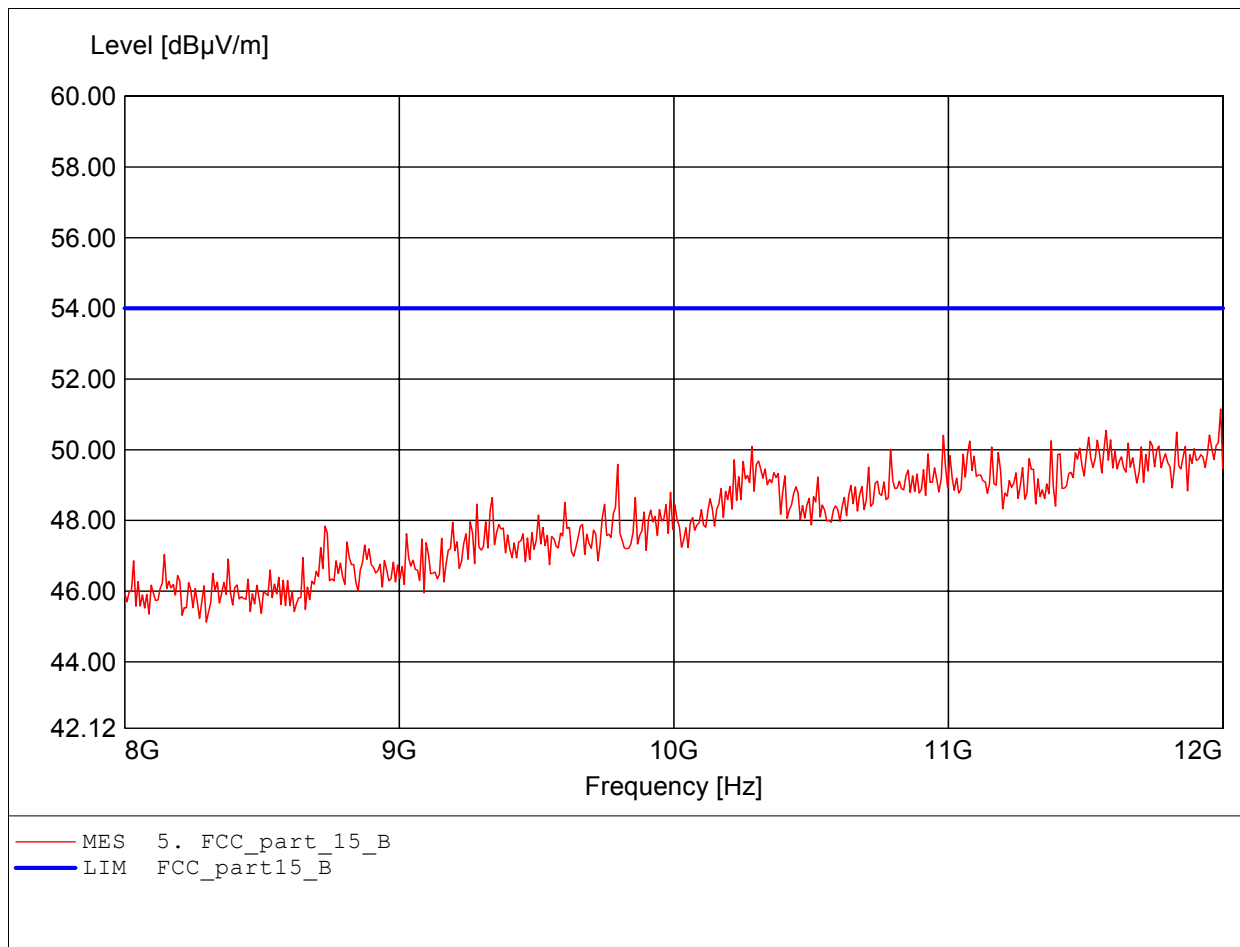
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.447GHz Emax:46.13dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

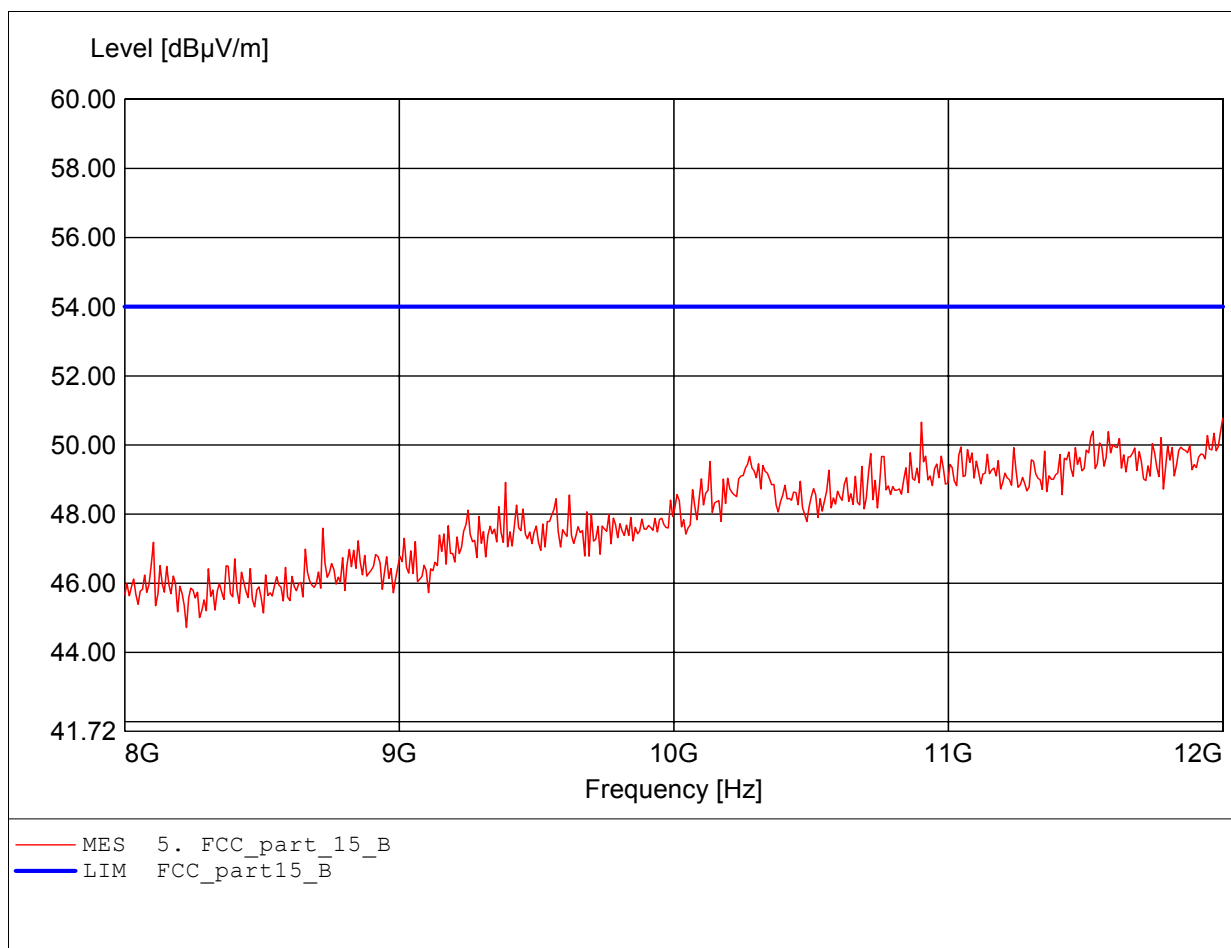
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.992GHz Emax:51.15dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

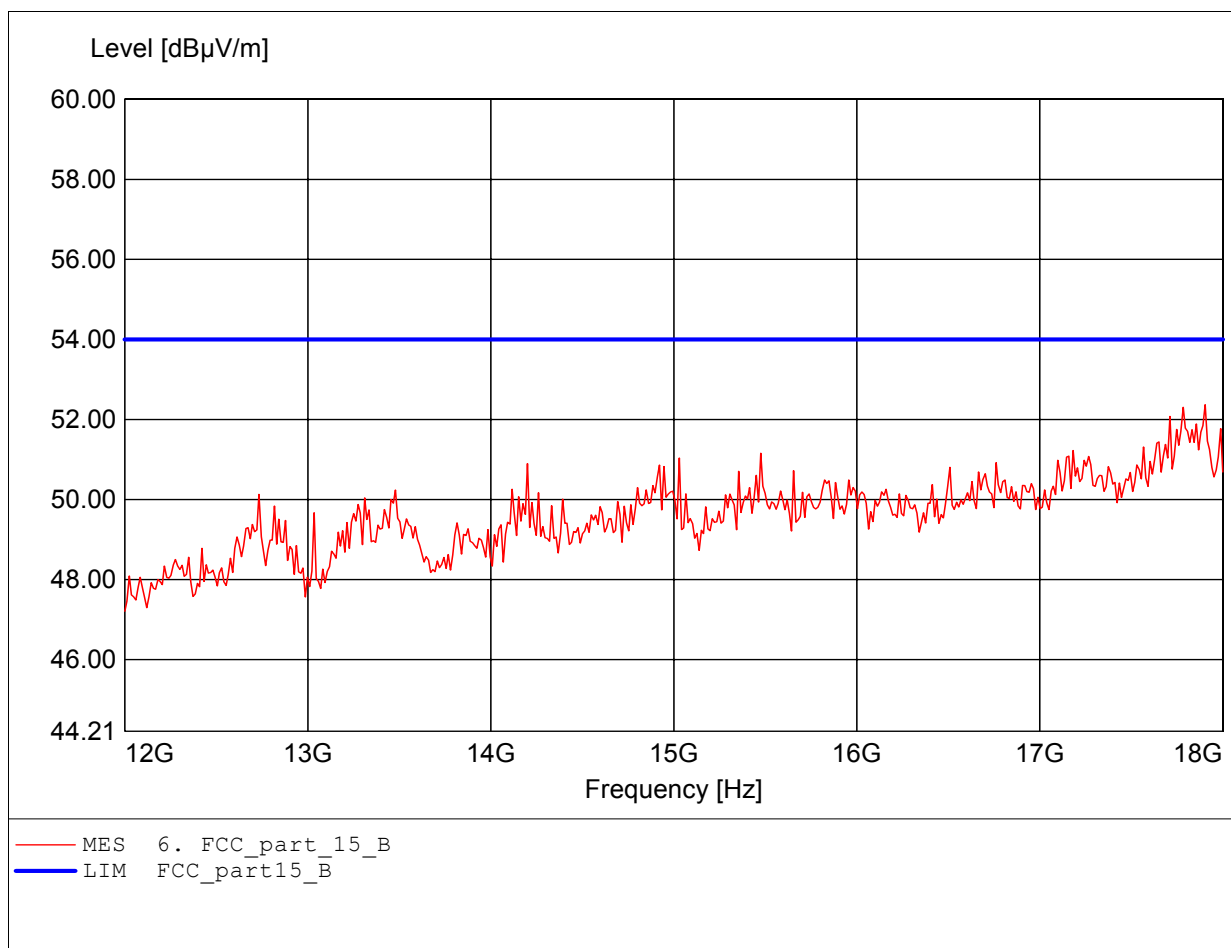
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:12.000GHz Emax:50.77dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

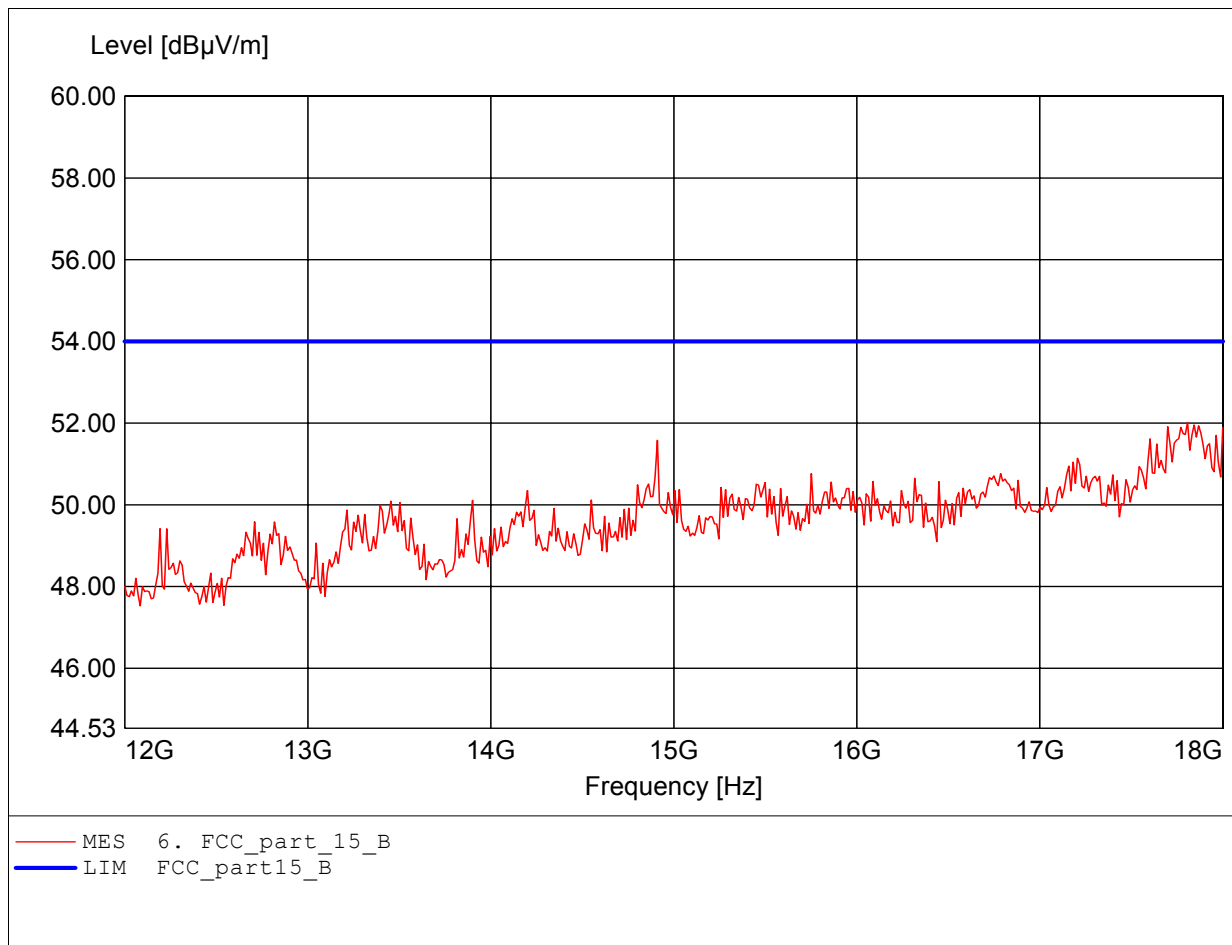
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.904GHz Emax:52.37dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

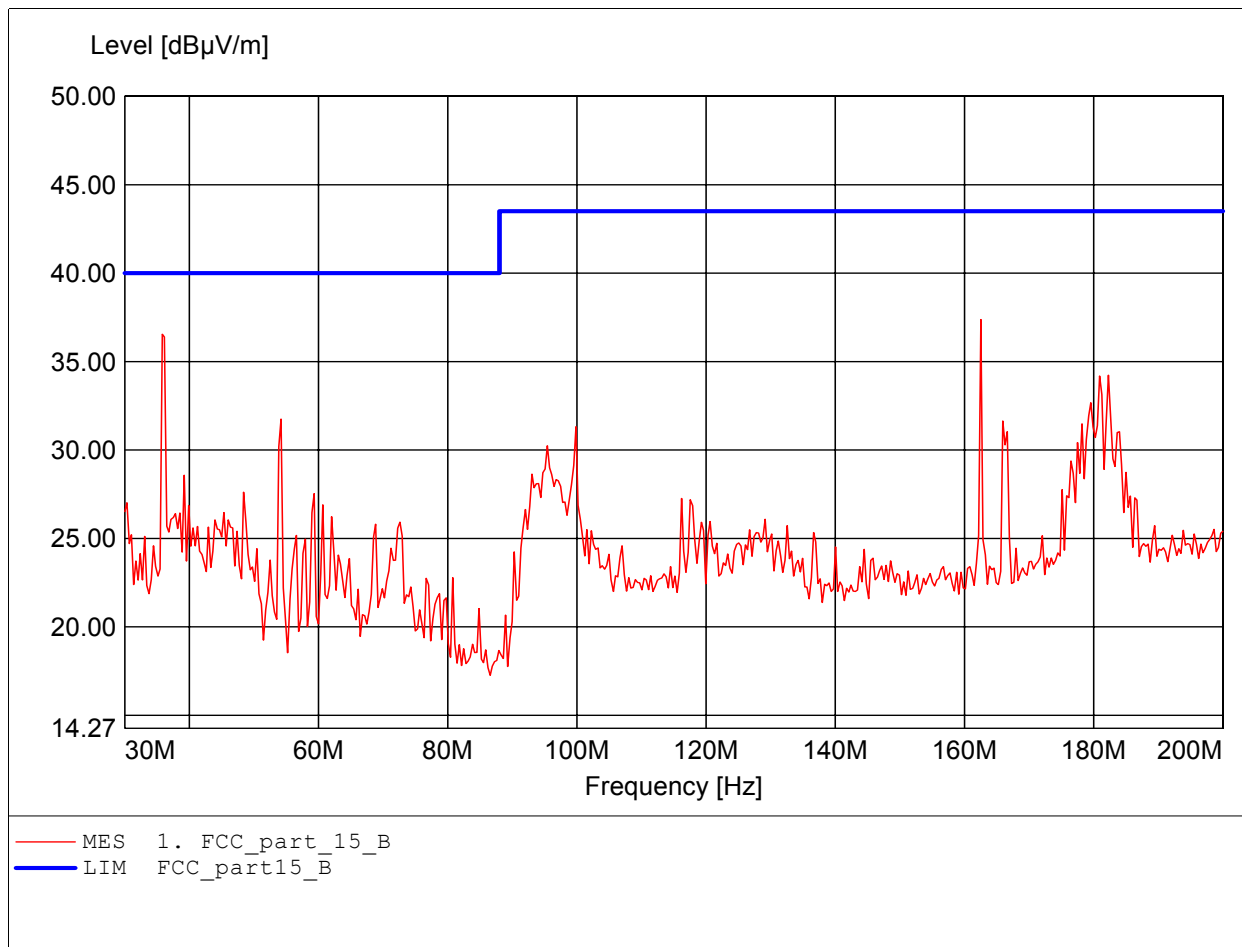
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 6
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.808GHz Emax:52.02dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

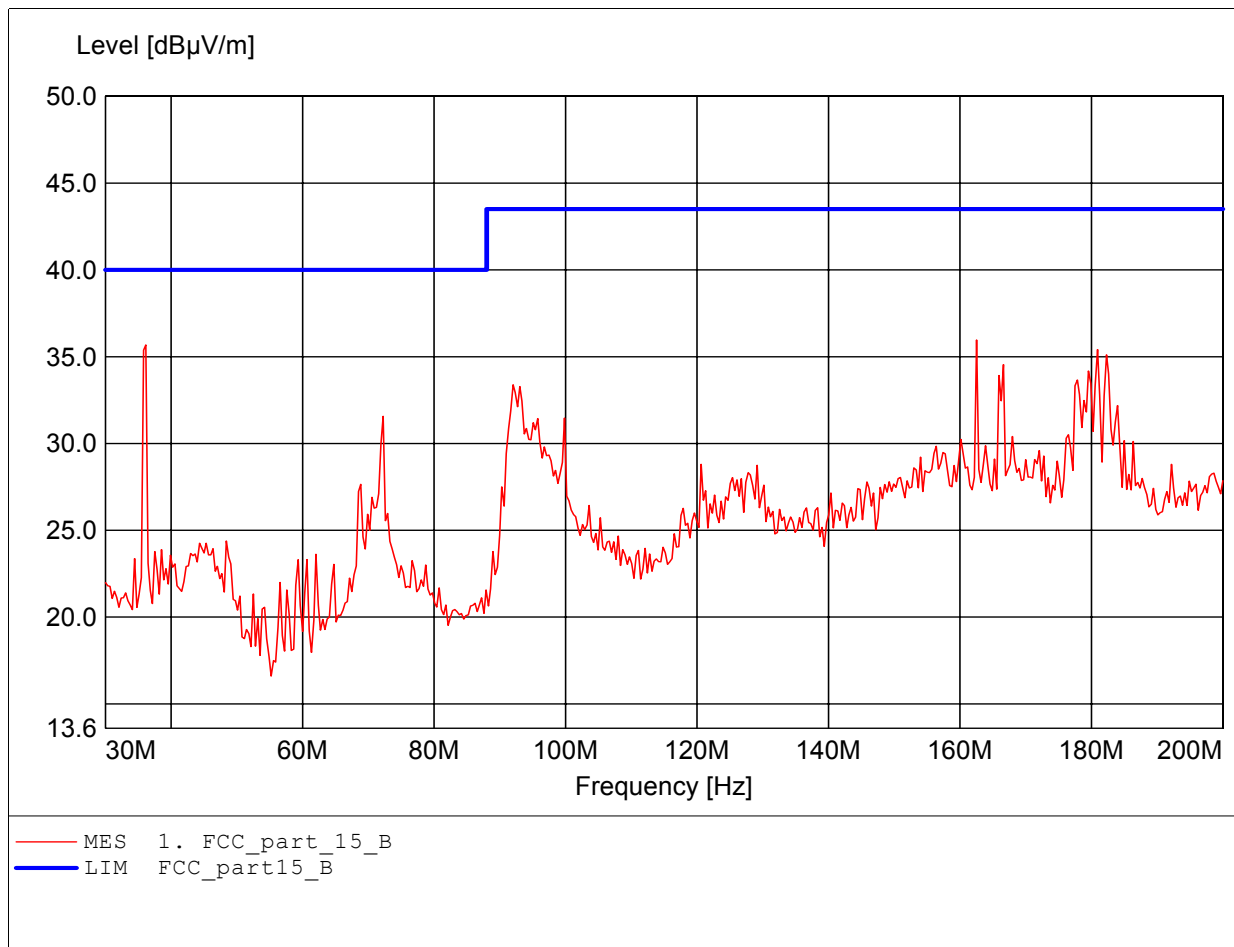
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:162.525MHz Emax:37.38dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

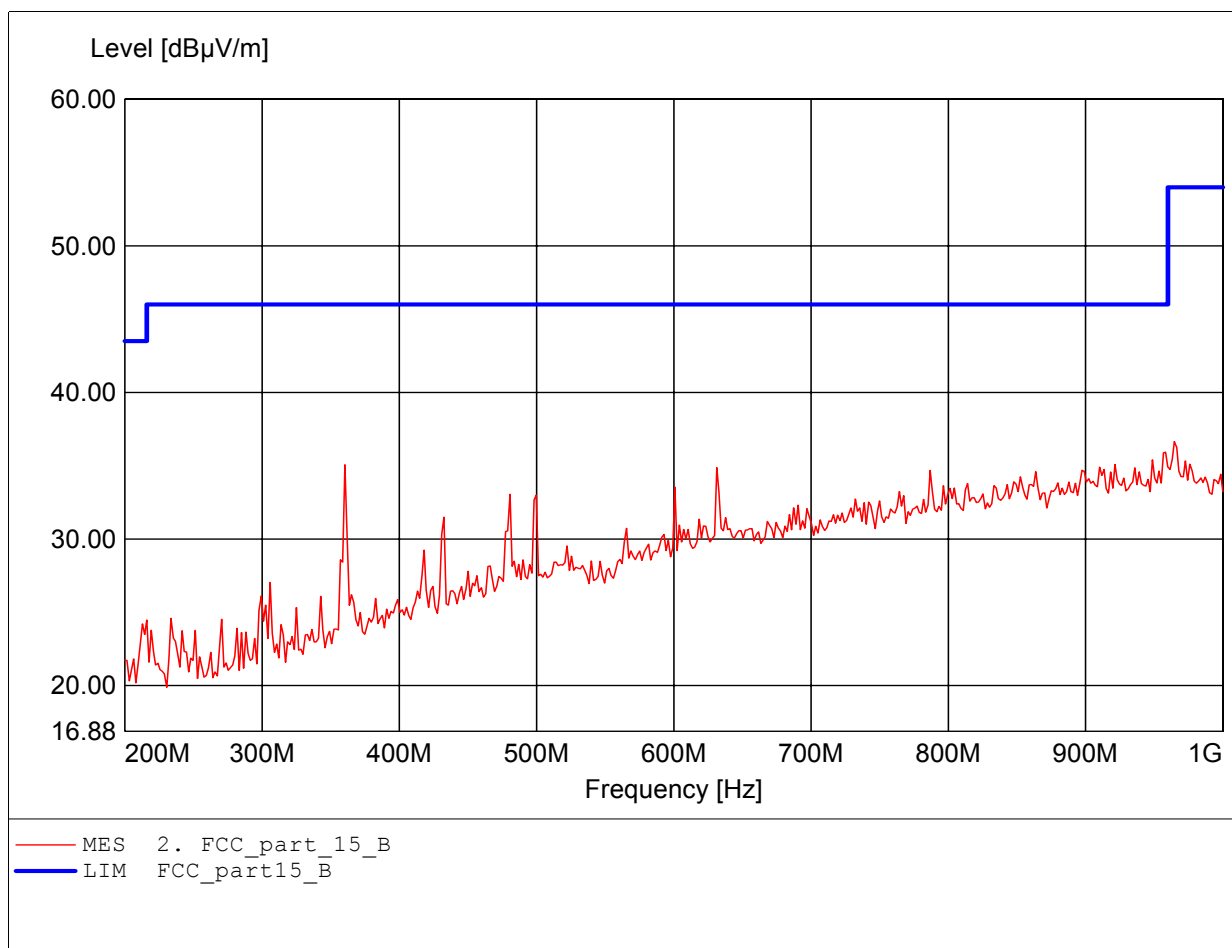
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:162.525MHz Emax:35.96dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

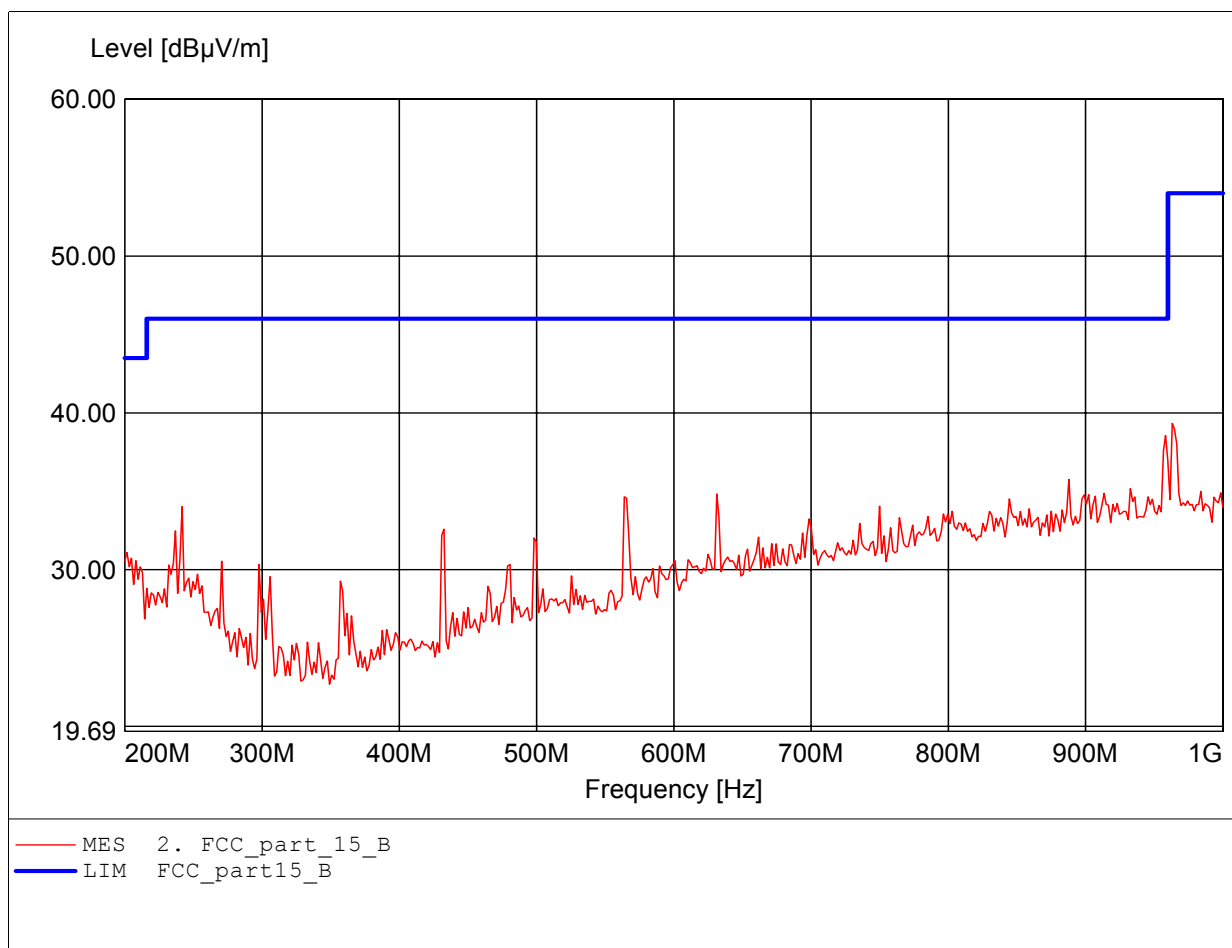
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:964.729MHz Emax:36.64dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

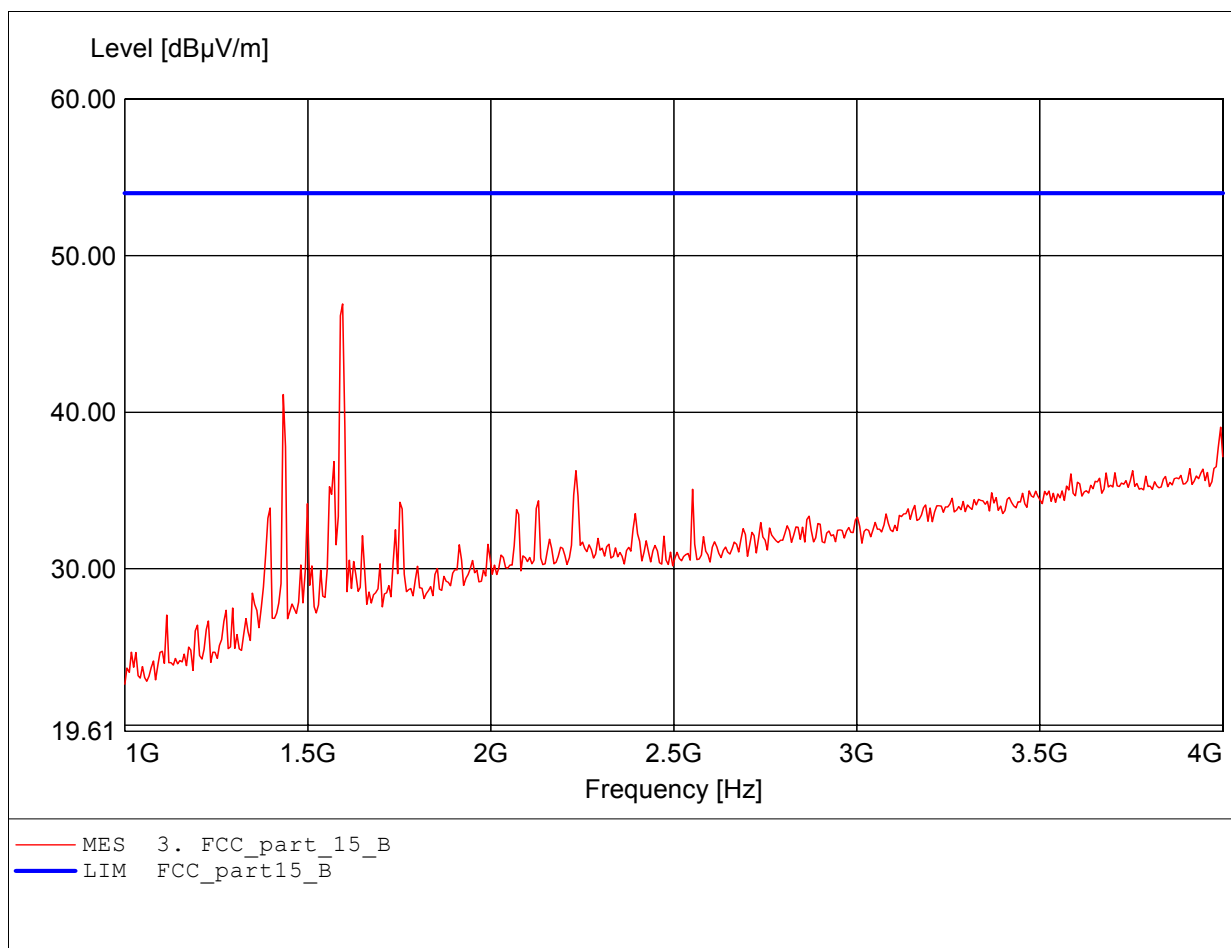
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:963.126MHz Emax:39.33dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

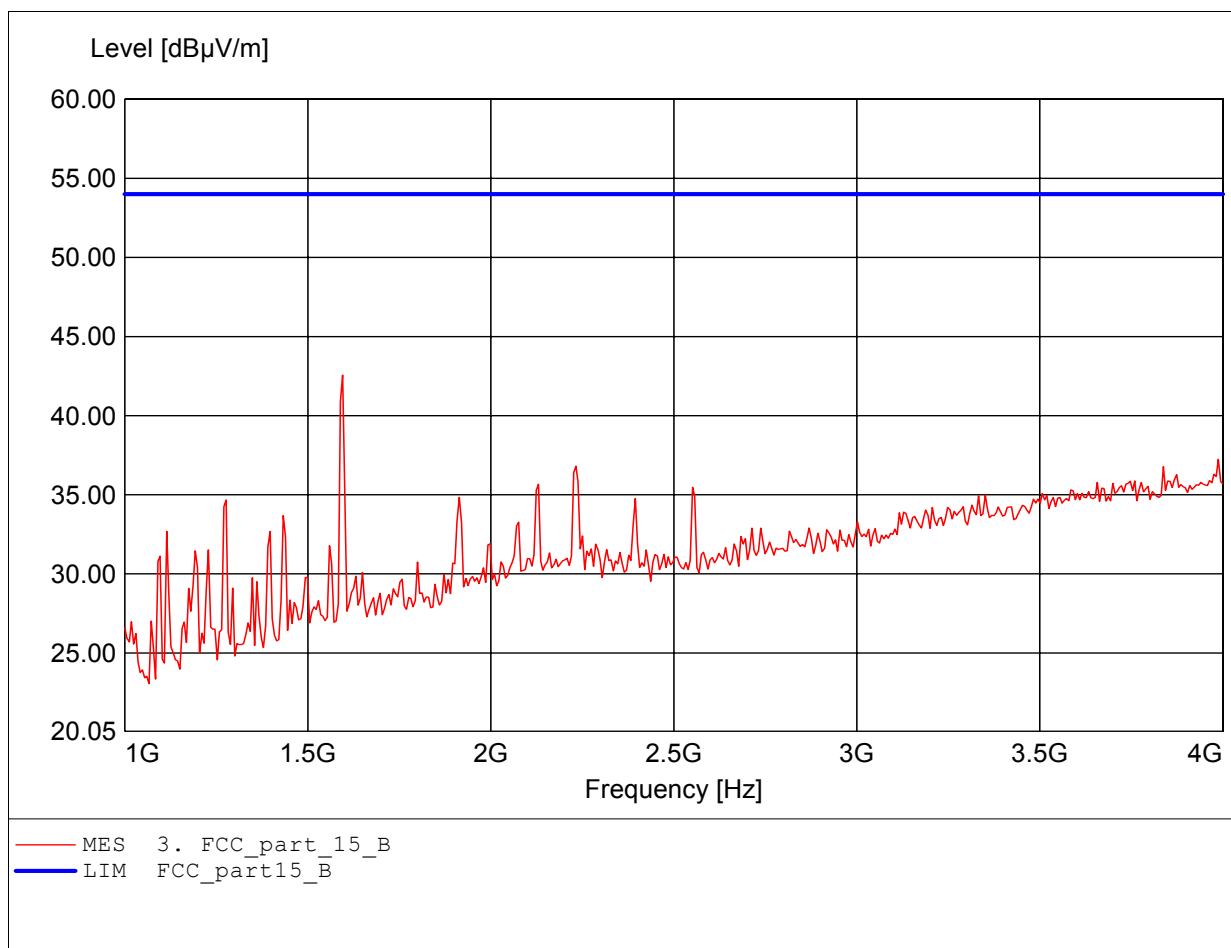
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:1.595GHz Emax:46.92dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

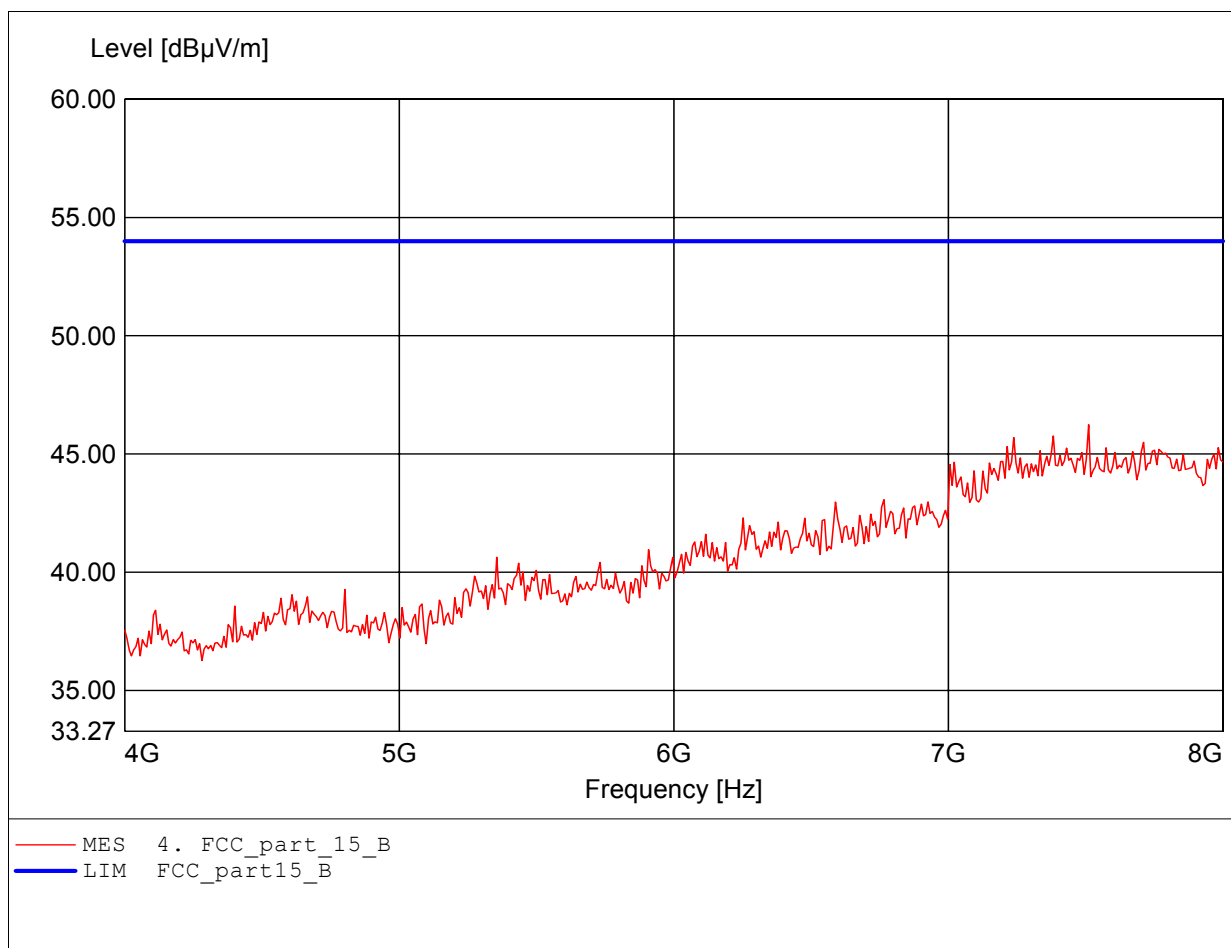
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:1.595GHz Emax:42.56dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

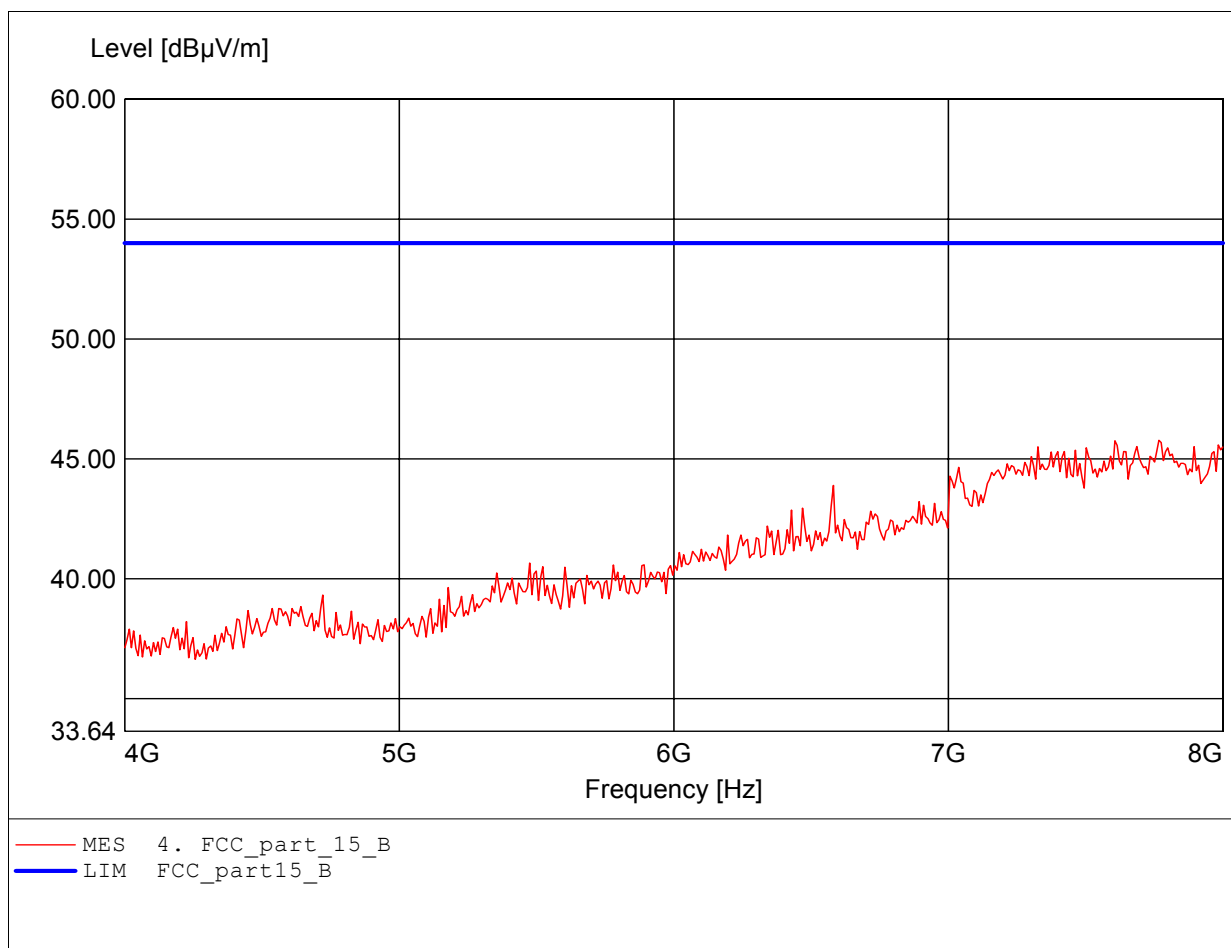
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.511GHz Emax:46.23dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

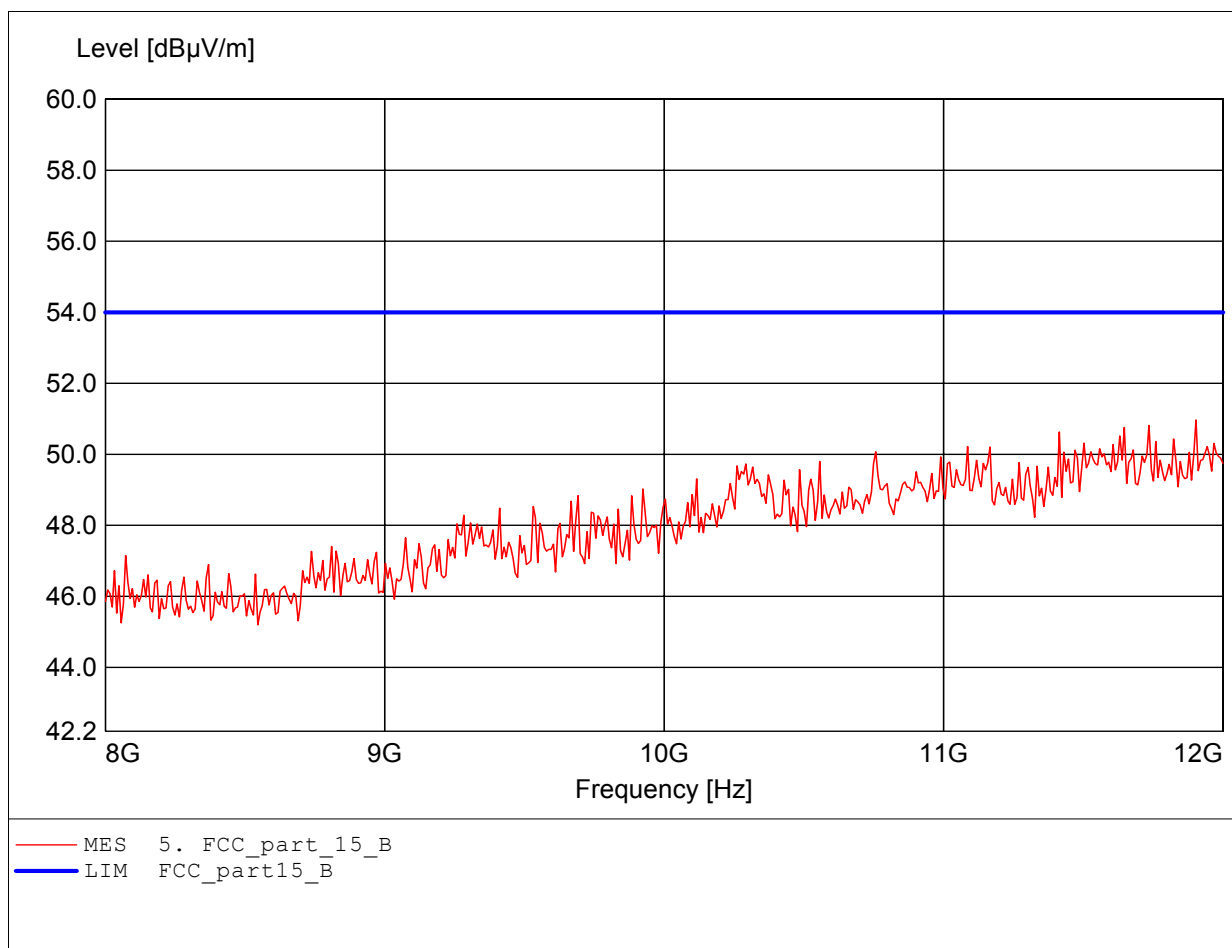
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.768GHz Emax:45.78dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

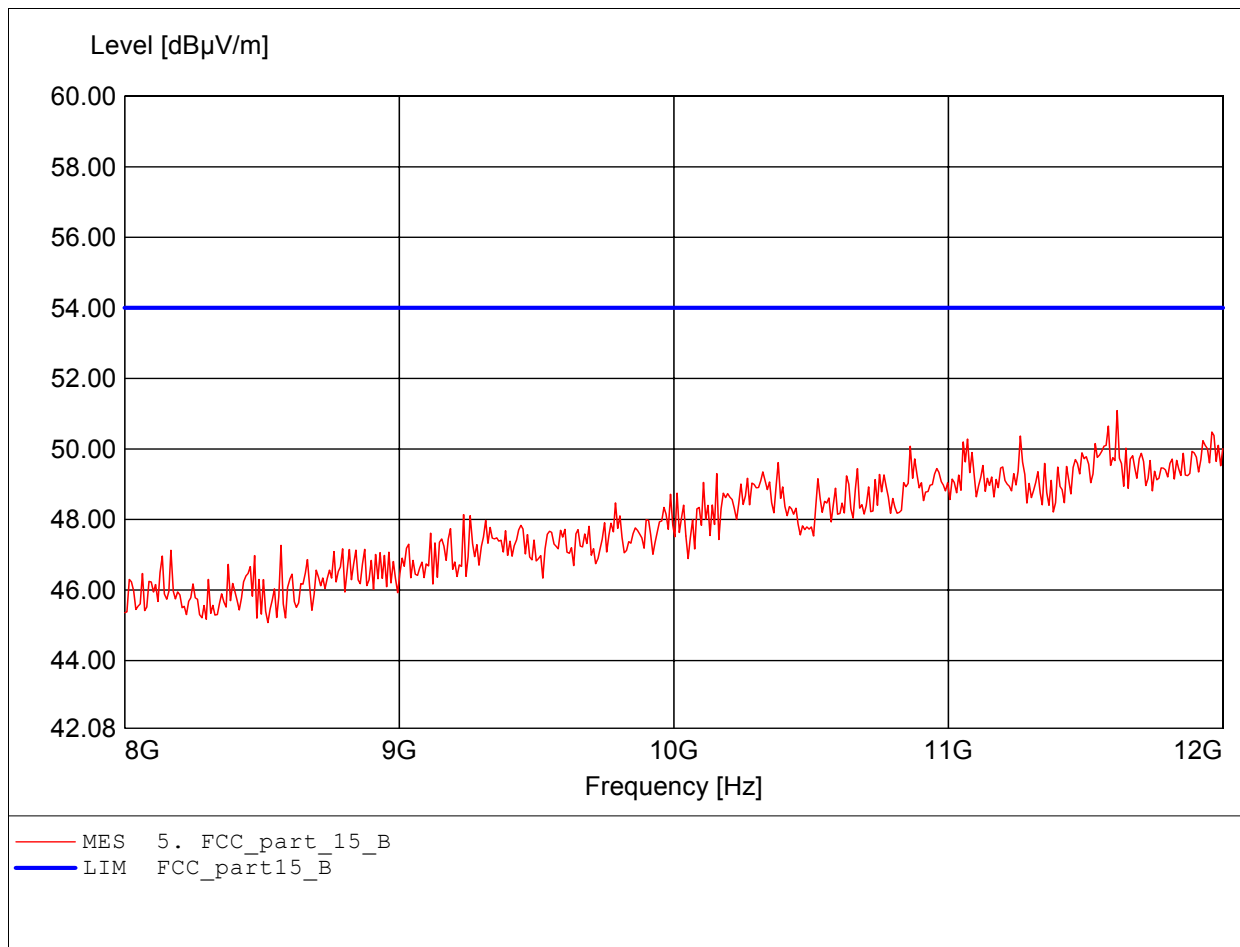
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.904GHz Emax:50.97dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

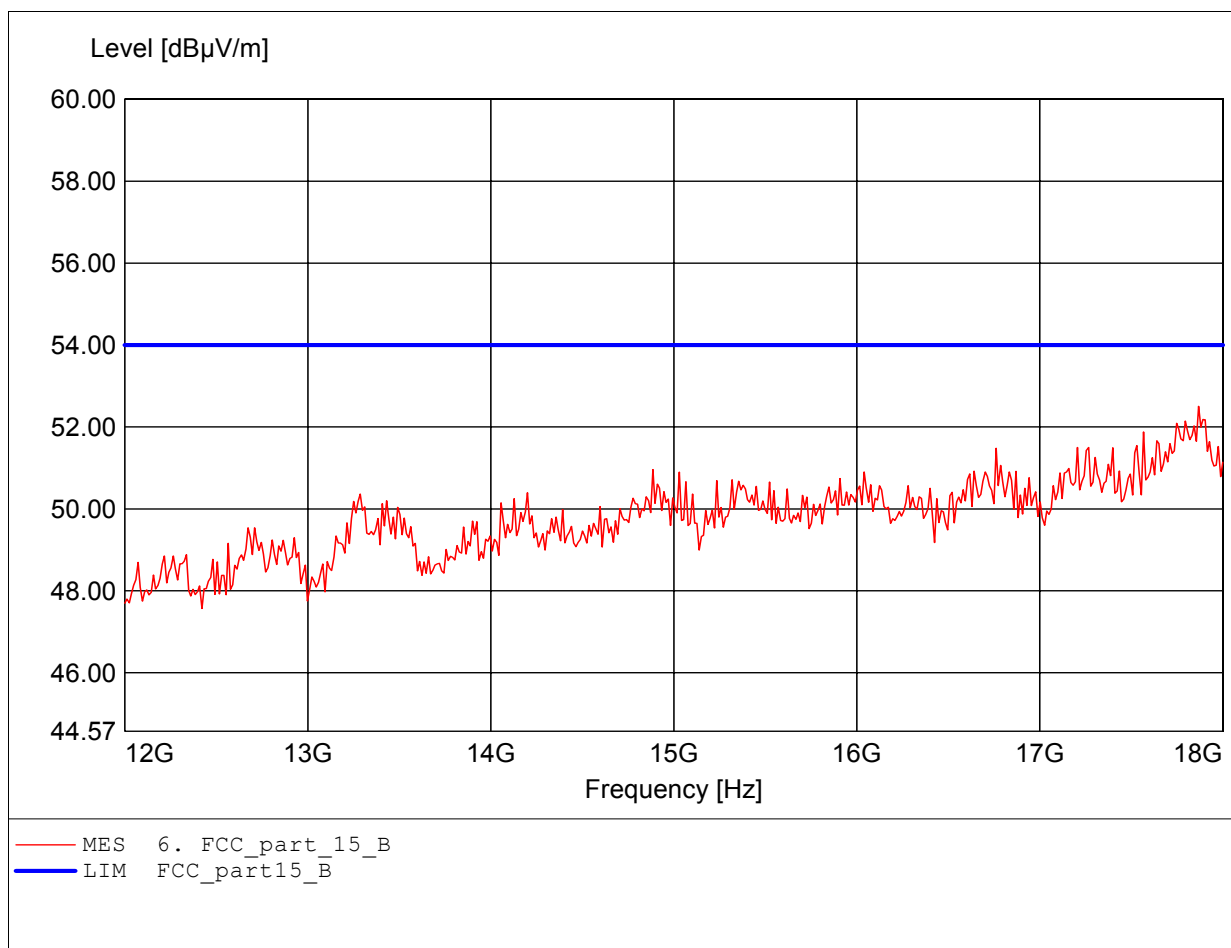
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.615GHz Emax:51.09dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

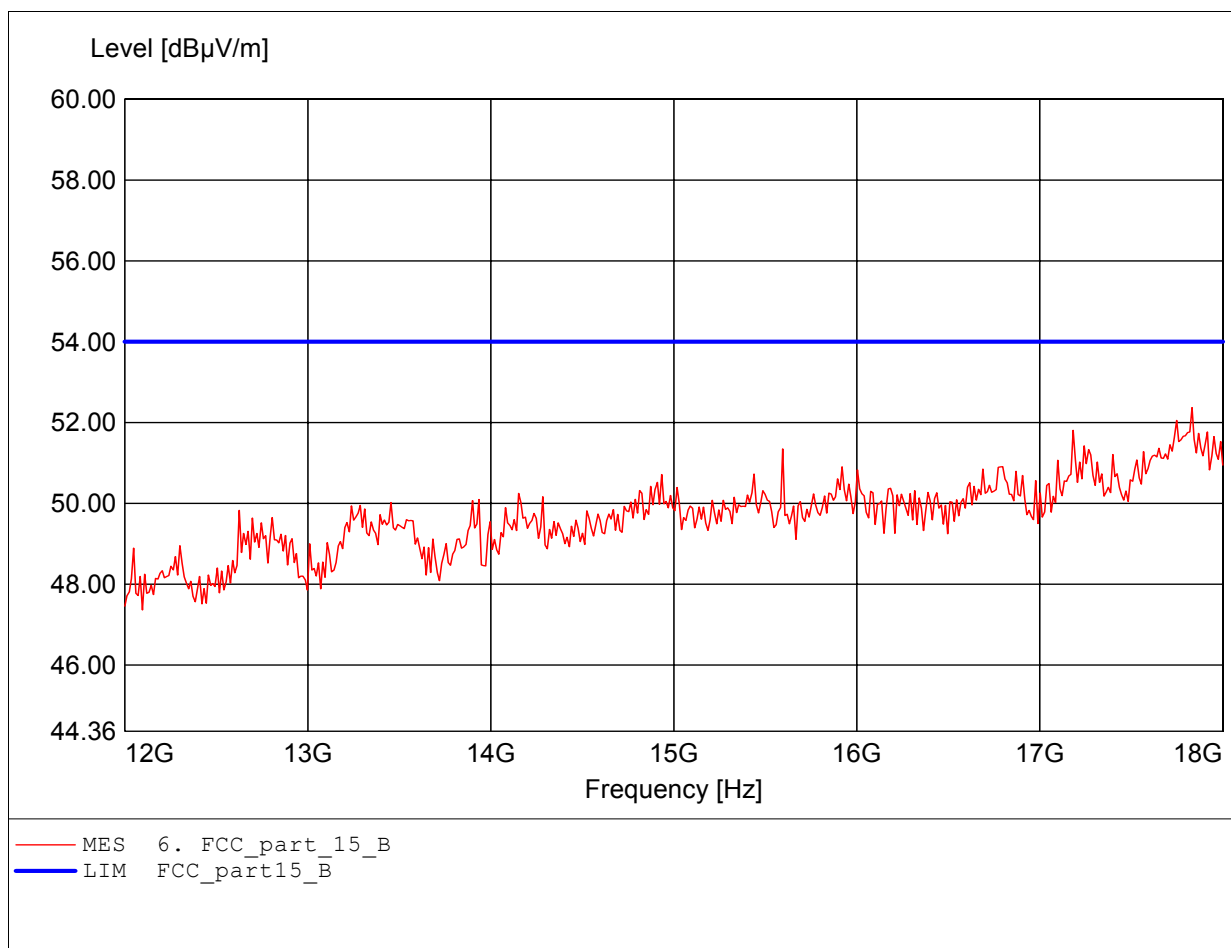
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.868GHz Emax:52.50dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

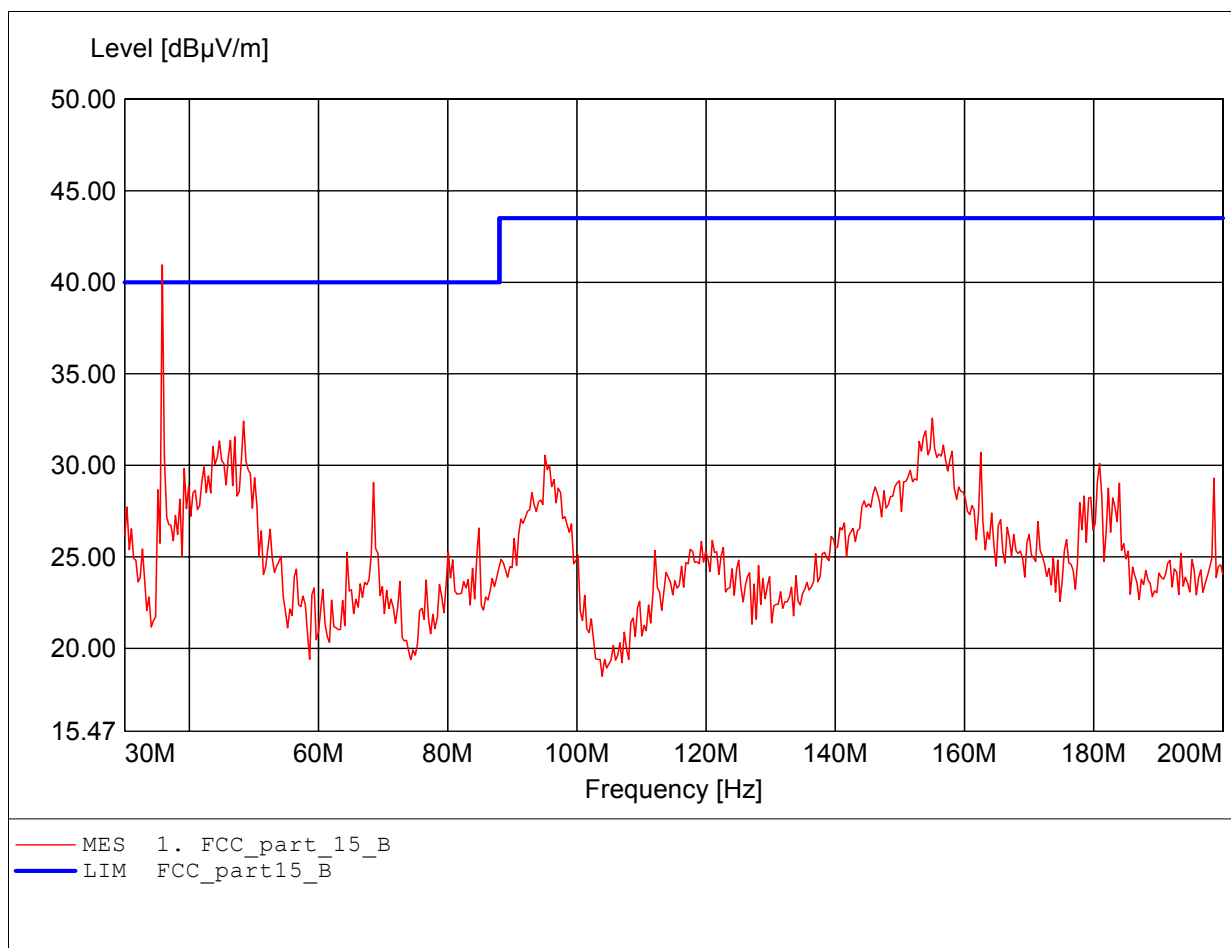
EUT: Wireless PCI Card
MODEL NO.: WP71RL 802.11g channel 11
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.832GHz Emax:52.37dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

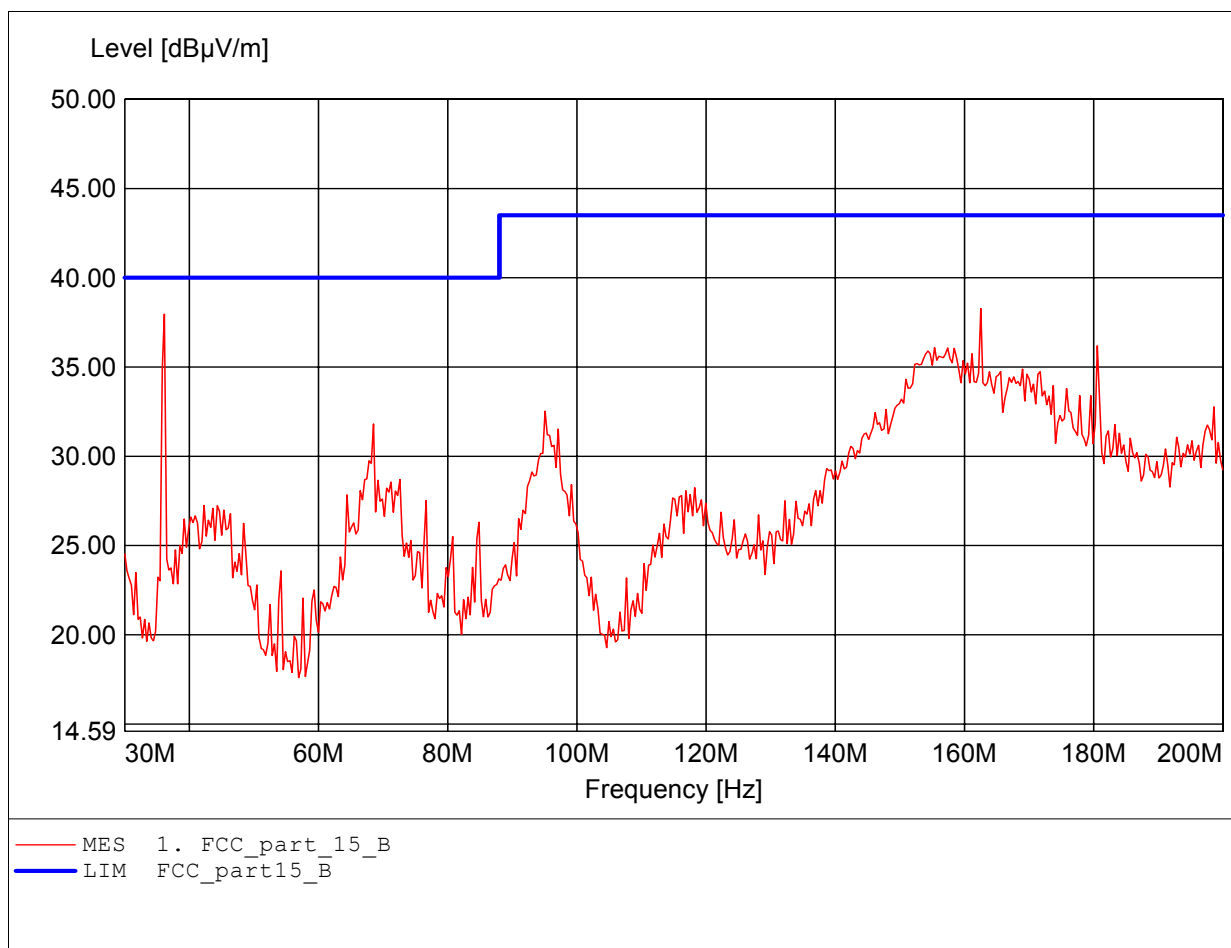
EUT: Wireless PCI Card
MODEL NO.: WP71RL
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:35.792MHz Emax:40.95dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

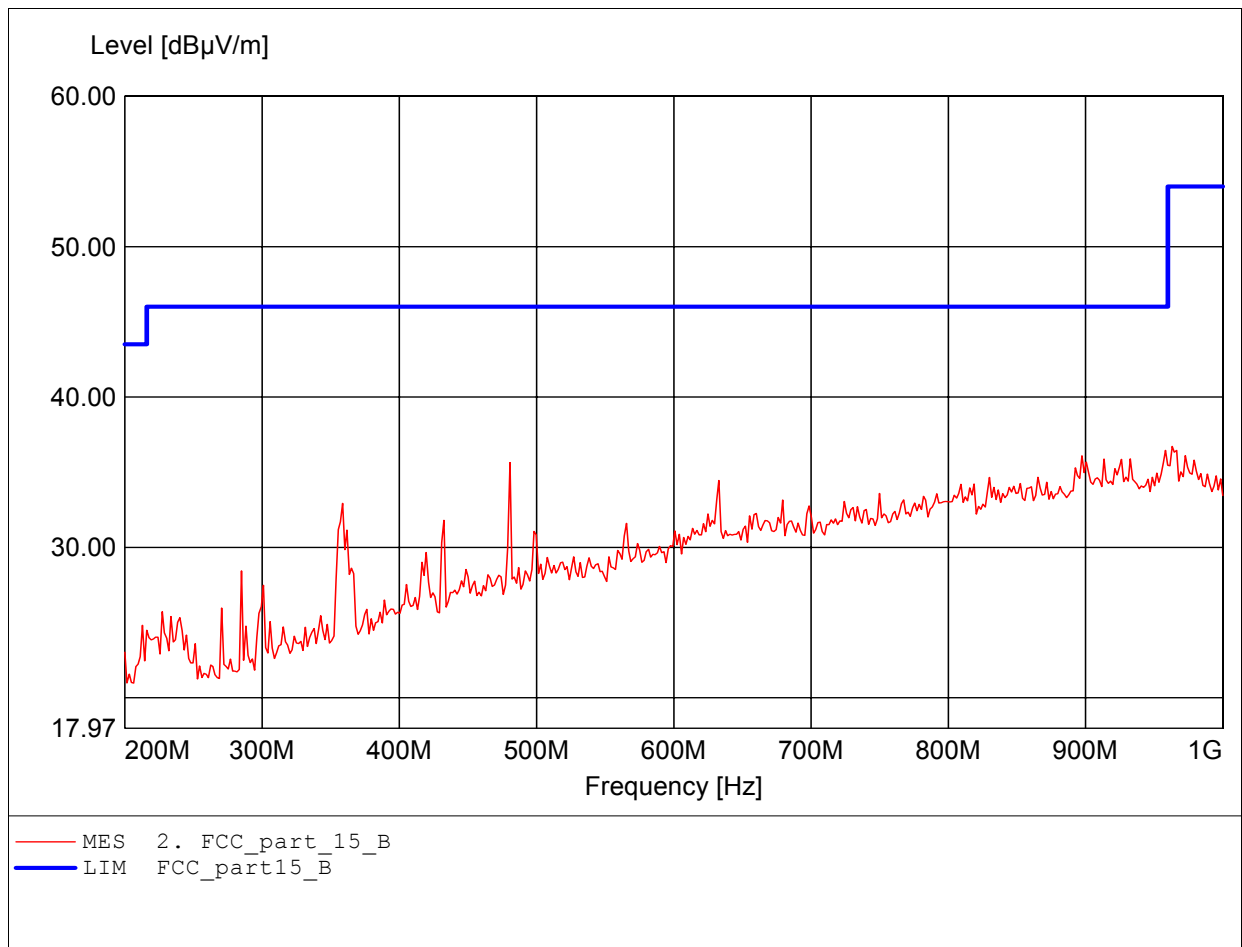
EUT: Wireless PCI Card
MODEL NO.: WP71RL
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:162.525MHz Emax:38.27dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

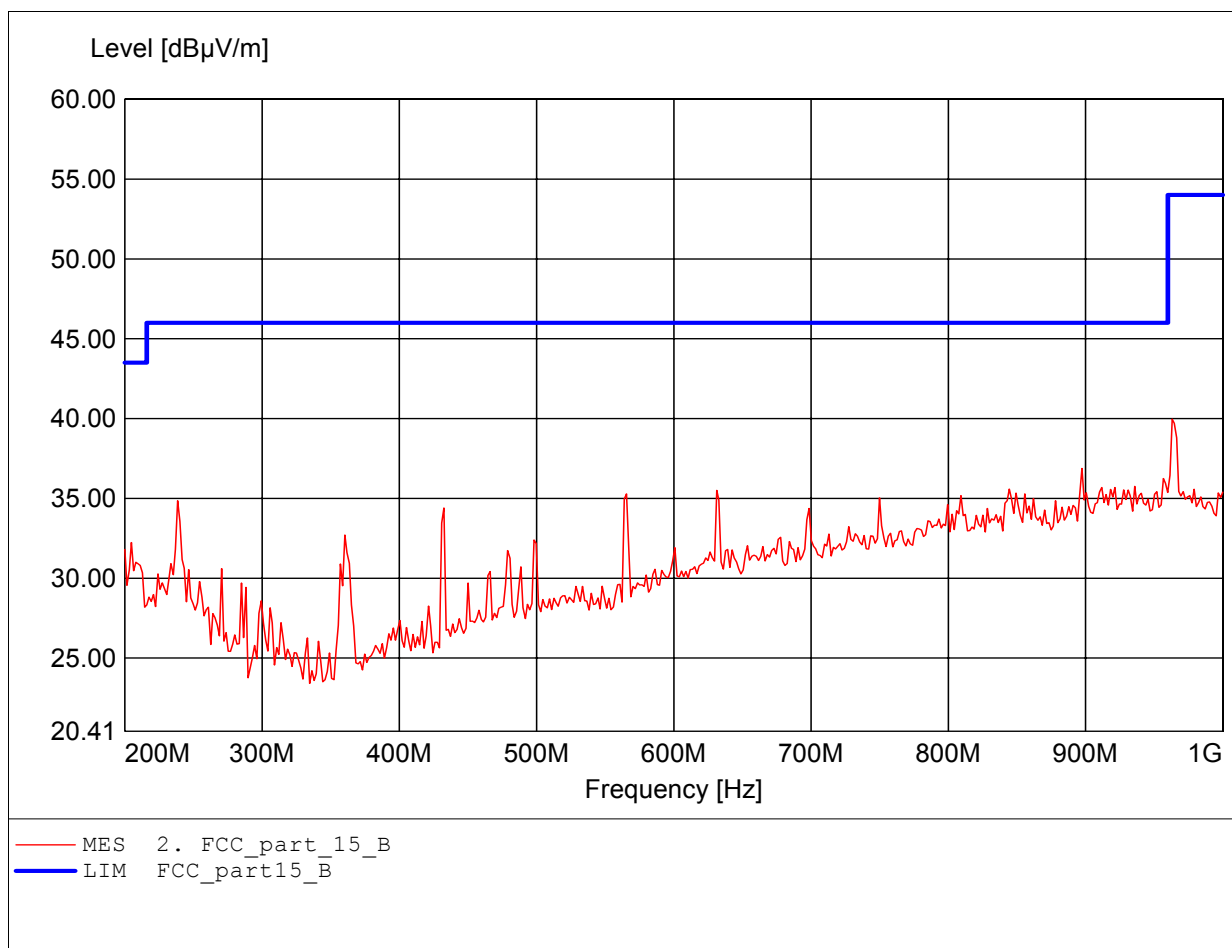
EUT: Wireless PCI Card
MODEL NO.: WP71RL
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:963.126MHz Emax:36.72dBµV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

EUT: Wireless PCI Card
MODEL NO.: WP71RL
Approval Holder: Pro-Nets Technology Corporation
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.9°C/ Unom.: 120VAC (power on pc)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:963.126MHz Emax:39.96dBμV/m RBW: 100 kHz





Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

Appendix G

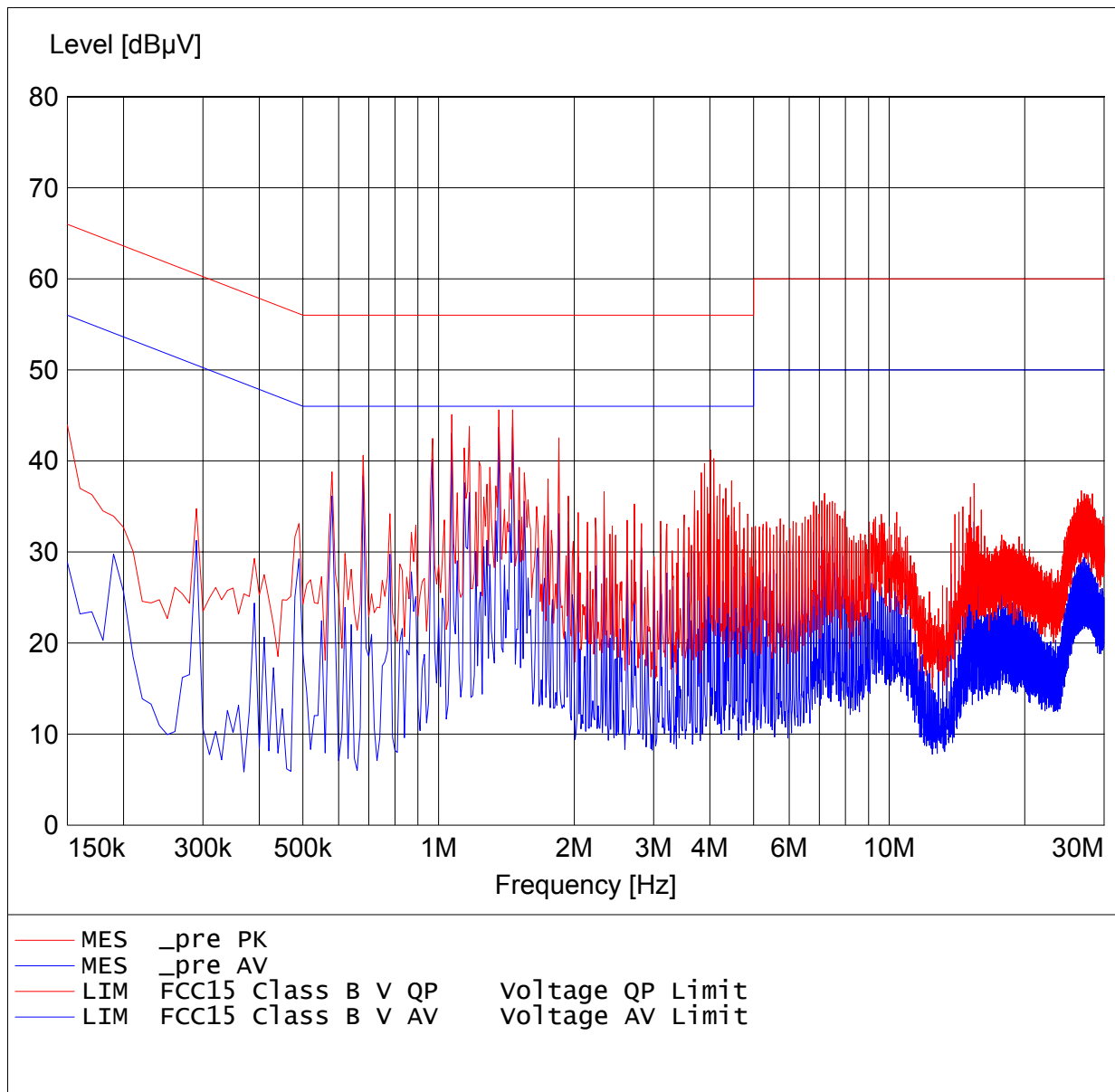
Power Line Conducted Emission

The measurement diagrams are wideband pre-scan results; only for reference. Please see final results as page 26.

EMI voltage test in the ac-mains according to FCC Part 15

Class B

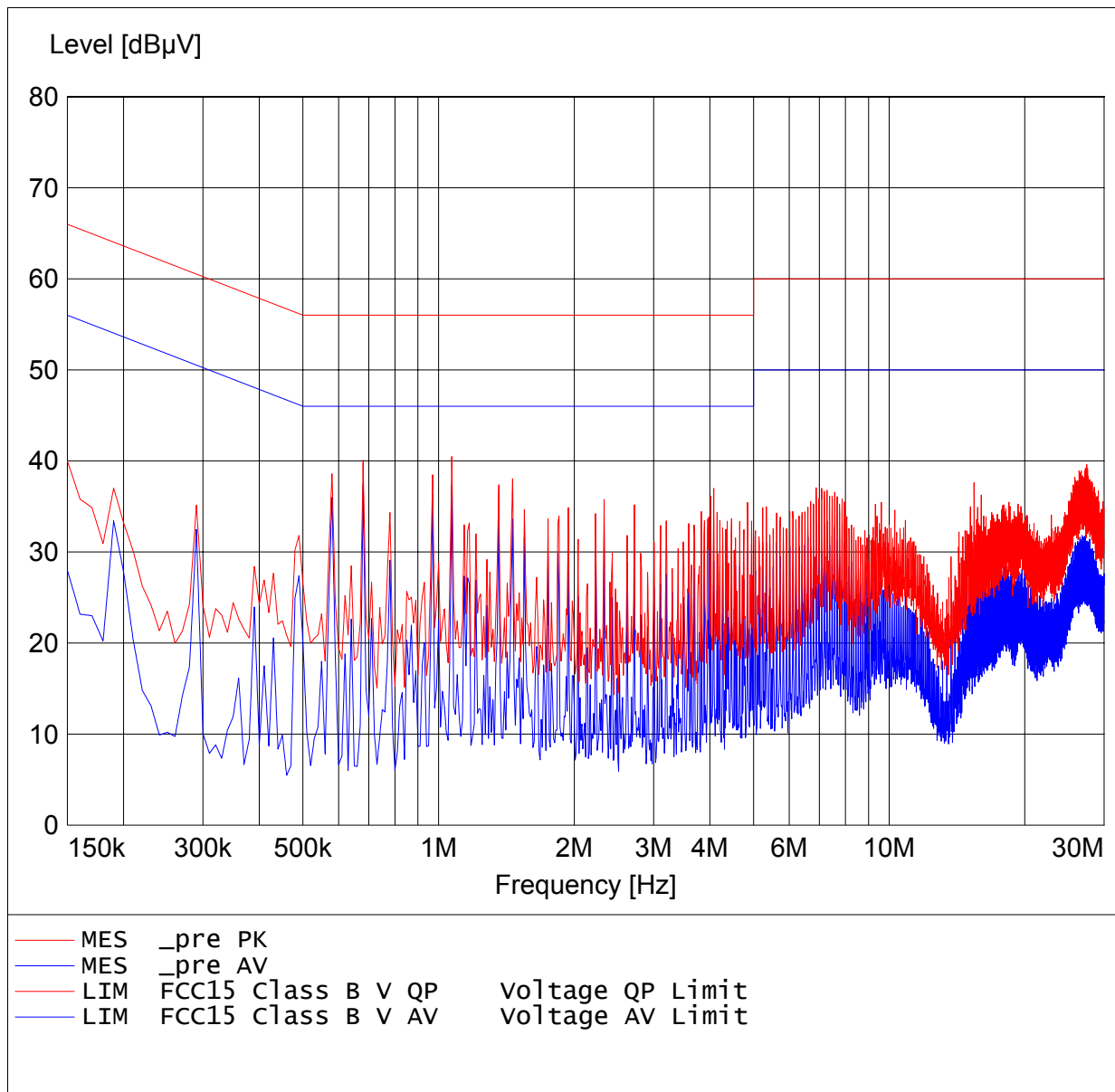
EUT: Wireless PCI Card
Manufacturer: Pro-Nets Technology Corporation
Operating Condition: Unom : 120 VAC (Power on PC) , Tnom : 24.2°C
Test Site: ETS
Operator: Daren
Test Specification: V-network: ESH3-Z5 N
Comment: model: WP71RL mode: active



EMI voltage test in the ac-mains according to FCC Part 15

Class B

EUT: Wireless PCI Card
Manufacturer: Pro-Nets Technology Corporation
Operating Condition: Unom : 120 VAC (Power on PC) , Tnom : 24.2°C
Test Site: ETS
Operator: Daren
Test Specification: V-network: ESH3-Z5 L1
Comment: model: WP71RL mode: active





Registration number: W6M20603-6773-C-2
FCC ID: RXZ-WP71RL

Appendix H

Pictures