



FCC PART 15.247



MEASUREMENT AND TEST REPORT

For

SAGEMCOM SAS

250 Route de l'Empereur- RUEIL MALMAISON CEDEX 92848, France

FCC ID: VW3FAST1704N

| | |
|--|--|
| Report Type: Original Report | Product Type: Wireless ADSL Router |
| Test Engineer: Tiger Ye | <i>Tiger Ye</i> |
| Report Number: RSZ120912003-00A | |
| Report Date: 2012-09-24 | |
| Reviewed By: RF Leader | <i>Alvin Huang</i> |
| Test Laboratory: | Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn |

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report **must not** be used by the customer to claim product certification, approval, or endorsement by NVLAP*, NIST, or any agency of the Federal Government.

* This report may contain data that are not covered by the NVLAP accreditation and shall be marked with an asterisk "★"

TABLE OF CONTENTS

GENERAL INFORMATION.....4

 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)4

 OBJECTIVE4

 RELATED SUBMITTAL(S)/GRANT(S).....4

 TEST METHODOLOGY4

 TEST FACILITY4

SYSTEM TEST CONFIGURATION.....6

 DESCRIPTION OF TEST CONFIGURATION6

 EUT EXERCISE SOFTWARE6

 EQUIPMENT MODIFICATIONS6

 SUPPORT EQUIPMENT LIST AND DETAILS6

 EXTERNAL I/O CABLE.....7

 CONFIGURATION OF TEST SETUP8

 BLOCK DIAGRAM OF TEST SETUP8

SUMMARY OF TEST RESULTS9

FCC §15.247 (i) & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE).....10

 APPLICABLE STANDARD10

FCC §15.203 - ANTENNA REQUIREMENT.....11

 APPLICABLE STANDARD11

 ANTENNA CONNECTOR CONSTRUCTION11

FCC §15.207 (a) - CONDUCTED EMISSIONS12

 APPLICABLE STANDARD12

 MEASUREMENT UNCERTAINTY12

 EUT SETUP12

 EMI TEST RECEIVER SETUP13

 TEST EQUIPMENT LIST AND DETAILS13

 TEST PROCEDURE13

 TEST RESULTS SUMMARY13

 TEST DATA13

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS.....16

 APPLICABLE STANDARD16

 MEASUREMENT UNCERTAINTY16

 EUT SETUP16

 EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP17

 TEST EQUIPMENT LIST AND DETAILS17

 TEST PROCEDURE17

 CORRECTED AMPLITUDE & MARGIN CALCULATION18

 TEST RESULTS SUMMARY18

 TEST DATA18

FCC §15.247(a) (2) – 6 dB BANDWIDTH TESTING.....33

 APPLICABLE STANDARD33

 TEST EQUIPMENT LIST AND DETAILS.....33

 TEST PROCEDURE33

 TEST DATA33

FCC §15.247(b) (3) - MAXIMUM PEAK OUTPUT POWER41

APPLICABLE STANDARD41
TEST EQUIPMENT LIST AND DETAILS.....41
TEST PROCEDURE41
TEST DATA41

FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE.....49

APPLICABLE STANDARD49
TEST EQUIPMENT LIST AND DETAILS.....49
TEST PROCEDURE49
TEST DATA49

FCC §15.247(e) - POWER SPECTRAL DENSITY55

APPLICABLE STANDARD55
TEST EQUIPMENT LIST AND DETAILS.....55
TEST PROCEDURE55
TEST DATA55

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The SAGEMCOM SAS 's product, model number: *F@ST 1704N (FCC ID: VW3FAST1704N)* or the "EUT" as referred to in this report is a *Wireless ADSL Router*, which measures approximately: 14.0 cm (L) x 12.2 cm (W) x 4.3 cm (H), rated input voltage: DC 12V adapter.

Adapter Information: Switching power supply
Model: S006DM1200050;
Input: 100-240V~50/60Hz 300mA;
Output: 12.0V 500mA.

** All measurement and test data in this report was gathered from production sample serial number: 1209040 (Assigned by BACL, Shenzhen). The EUT was received on 2012-09-12.*

Objective

This type approval report is prepared on behalf of SAGEMCOM SAS in accordance with Part 2, Subpart J, Part 15, Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: VW3FAST1704N.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, Shihua Road, Futian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on December 06, 2010. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratories Corp. (Shenzhen) is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (Lab Code 200707-0).



The current scope of accreditations can be found at <http://ts.nist.gov/Standards/scopes/2007070.htm>

SYSTEM TEST CONFIGURATION

Description of Test Configuration

For 802.11b, 802.11g, 802.11n-HT20 and 802.11n-HT40 mode, 11 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|
| 1 | 2412 | 7 | 2442 |
| 2 | 2417 | 8 | 2447 |
| 3 | 2422 | 9 | 2452 |
| 4 | 2427 | 10 | 2457 |
| 5 | 2432 | 11 | 2462 |
| 6 | 2437 | / | / |

EUT for 802.11b, 802.11g and 802.11n-HT20 modes were tested with Channel 1, 6 and 11. 802.11n-HT40 modes were tested with Channel 3, 6 and 9.

EUT Exercise Software

Test software: run cmd.exe and input relative command (provided by the Applicant)

The test was performed under:

802.11b: Data rate: 1 Mbps.

802.11g: Data rate: 6 Mbps.

802.11n-HT20: Data rate: 6.5 Mbps.

802.11n-HT40: Data rate: 13.5 Mbps.

Equipment Modifications

No modification was made to the unit tested.

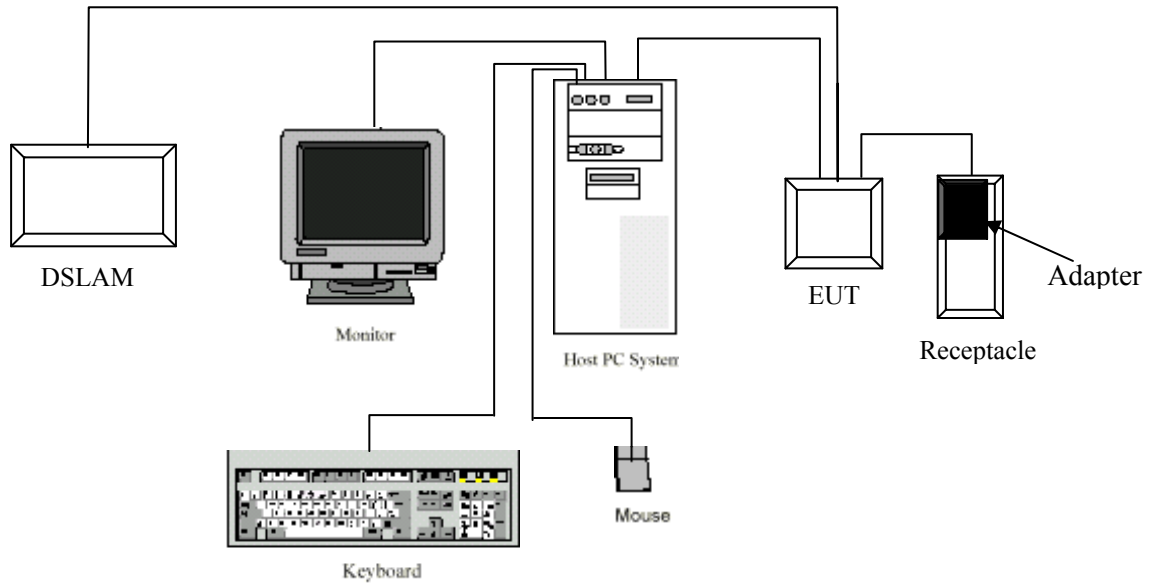
Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|-------------|--------------------------|
| DELL | PC | VOSTRO 220S | 127BP2X |
| DELL | Keyboard | L100 | CNORH656658907BL05DC |
| DELL | Mouse | MOC5UO | G1900NKD |
| DELL | LCD Monitor | E178WFPC | CN-OWY564-64180-7C4-2SQH |
| Huawei | DSLAM | MA5105 | N/A |

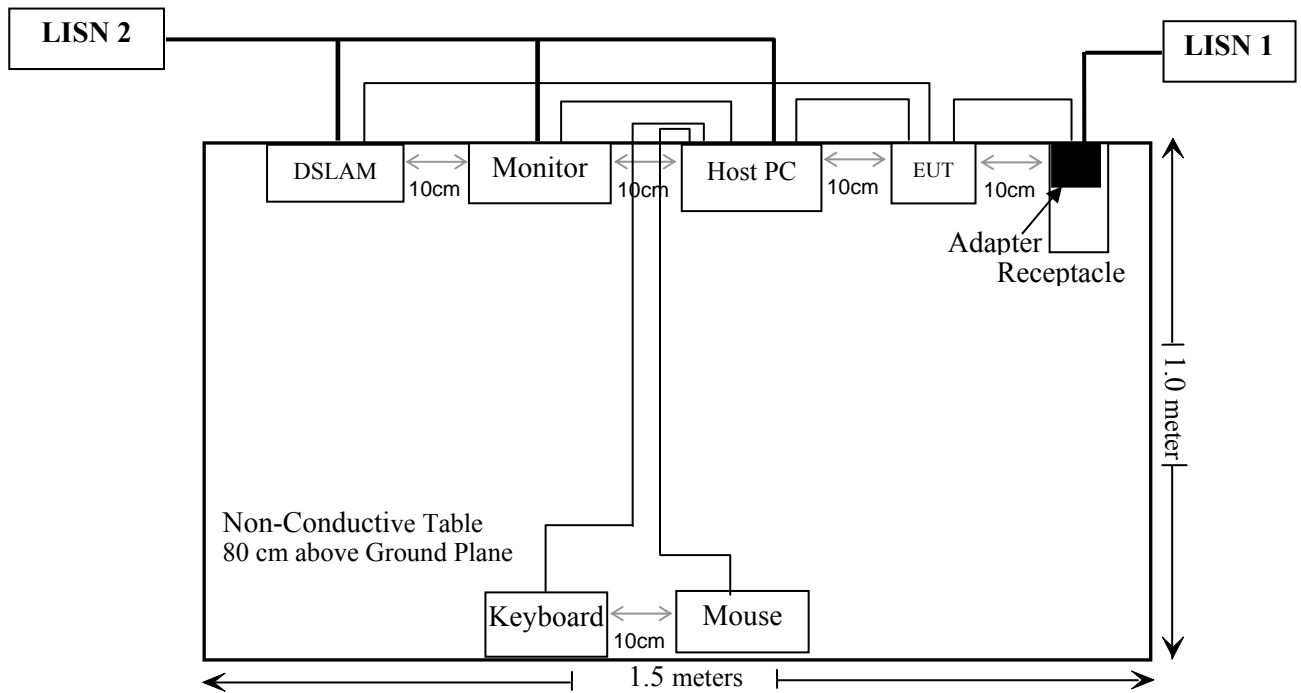
External I/O Cable

| Cable Description | Length (m) | From/Port | To |
|----------------------------------|-------------------|------------------|-----------|
| Shielded Detachable Mouse Cable | 1.5 | Host PC | Mouse |
| Shielded Detachable K/B Cable | 1.5 | Host PC | Keyboard |
| Shielded Detachable VGA Cable | 1.5 | Host PC | Monitor |
| Unshielded Detachable RJ45 Cable | 1.5 | EUT | Host PC |
| Unshielded Detachable RJ11 Cable | 2.0 | EUT | DSLAM |
| Unshielded Detachable AC Cable | 2.0 | EUT | Adapter |

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|--------------------------------------|---|---------------|
| §15.247 (i), §1.1307 (b)(1), §2.1091 | Maximum Permissible exposure (MPE) | Compliance |
| §15.203 | Antenna Requirement | Compliance |
| §15.207 (a), | Conducted Emissions | Compliance |
| §15.247(d) | Spurious Emissions at Antenna Port | Compliance |
| §15.205, §15.209, §15.247(d) | Spurious Emissions | Compliance |
| §15.247 (a)(2) | 6 dB Bandwidth | Compliance |
| §15.247(b)(3) | Maximum Peak Output Power | Compliance |
| §15.247(d) | 100kHz Bandwidth of Frequency Band Edge | Compliance |
| §15.247(e) | Power Spectral Density | Compliance |

FCC §15.247 (i) & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247(i) and subpart §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

| (B) Limits for General Population/Uncontrolled Exposure | | | | |
|--|--------------------------------------|--------------------------------------|--|---------------------------------|
| Frequency Range (MHz) | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm²) | Averaging Time (minutes) |
| 0.3–1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34–30 | 824/f | 2.19/f | *(180/f ²) | 30 |
| 30–300 | 27.5 | 0.073 | 0.2 | 30 |
| 300–1500 | / | / | f/1500 | 30 |
| 1500–100,000 | / | / | 1.0 | 30 |

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = PG/4\pi R^2$$

Where S = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = Antenna gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

| Mode | Frequency (MHz) | Antenna Gain | | Conducted Power | | Evaluation Distance (cm) | Power Density (mW/cm²) | MPE Limit (mW/cm²) |
|--------------|------------------------|---------------------|------------------|------------------------|-------------|---------------------------------|--|--------------------------------------|
| | | (dBi) | (numeric) | (dBm) | (mW) | | | |
| 802.11b | 2462 | 2 | 1.58 | 24.07 | 255.27 | 20 | 0.0803 | 1.0 |
| 802.11g | 2462 | 2 | 1.58 | 23.89 | 244.91 | 20 | 0.0770 | 1.0 |
| 802.11n-HT20 | 2462 | 2 | 1.58 | 23.71 | 234.96 | 20 | 0.0739 | 1.0 |
| 802.11n-HT40 | 2452 | 2 | 1.58 | 21.43 | 139.00 | 20 | 0.0437 | 1.0 |

Result: The device meets FCC MPE at 20 cm distance.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

This product has a PCB antenna with maximum gain 2 dBi, fulfill the requirement of this section, and please refer to the internal photos.

Result: Compliant.

FCC §15.207 (a) - CONDUCTED EMISSIONS

Applicable Standard

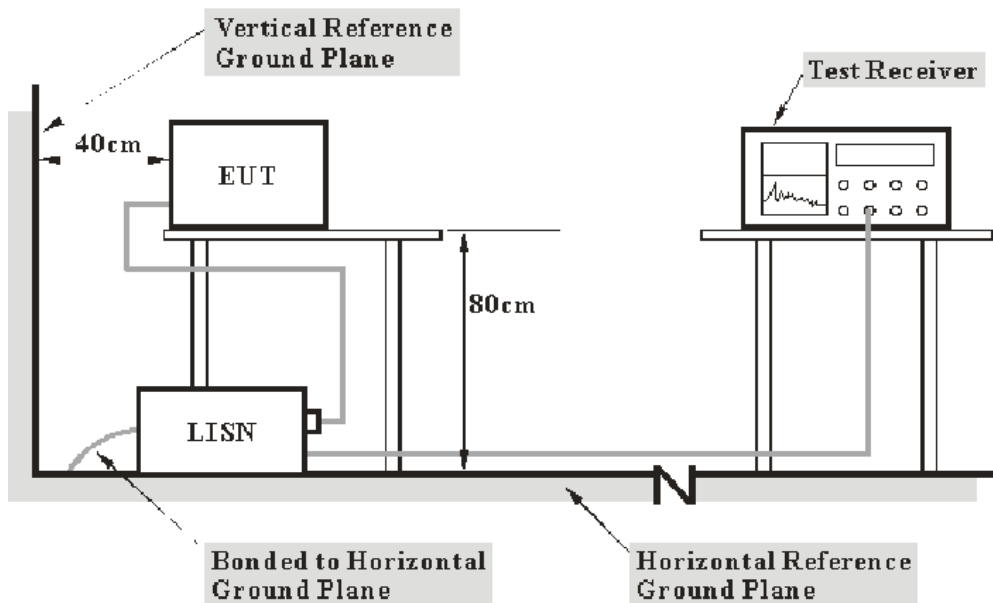
FCC§15.207

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on CISPR 16-4-4, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Laboratory Corp. (Shenzhen) is 2.4 dB ($k=2$, 95% level of confidence), and the uncertainty will not be taken into consideration for all the test data recorded in the report.

EUT Setup



- Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2009 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| | |
|-------------------------------|----------------------|
| <i>Frequency Range</i> | <i>IF B/W</i> |
| 150 kHz – 30 MHz | 9 kHz |

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-------------------|---------|---------------|------------------|----------------------|
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 100176 | 2011-11-24 | 2012-11-23 |
| Rohde & Schwarz | L.I.S.N. | ESH2-Z5 | 892107/021 | 2011-11-17 | 2012-11-16 |
| Com-Power | L.I.S.N. | LI-200 | 12208 | N/A | N/A |
| Com-Power | L.I.S.N. | LI-200 | 12208 | N/A | N/A |
| Rohde & Schwarz | Pulse limiter | ESH3Z2 | DE25985 | 2012-07-08 | 2013-07-07 |
| BACL | CE Test software | BACL-CE | V1.0 | - | - |

* **Statement of Traceability:** Bay Area Compliance Laboratory Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

During the conducted emission test, the adapter was connected to the first LISN, and the other relevant equipments were connected to the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

10.16 dB at 1.005 MHz in the **Neutral** conductor mode

Test Data

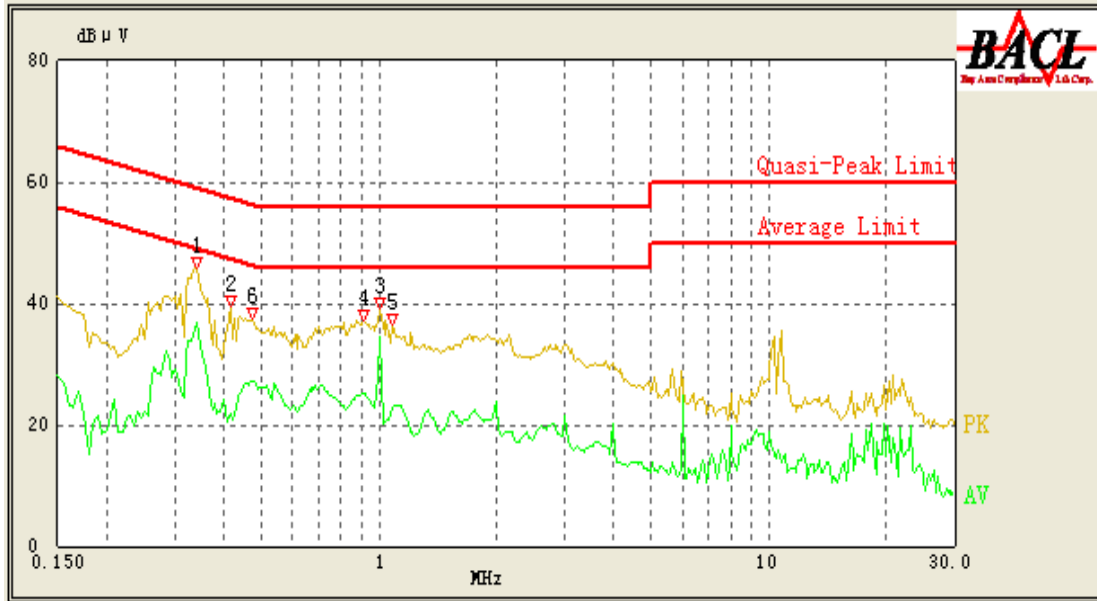
Environmental Conditions

| | |
|---------------------------|-----------|
| Temperature: | 24 ° C |
| Relative Humidity: | 55 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Tiger Ye on 2012-09-13.

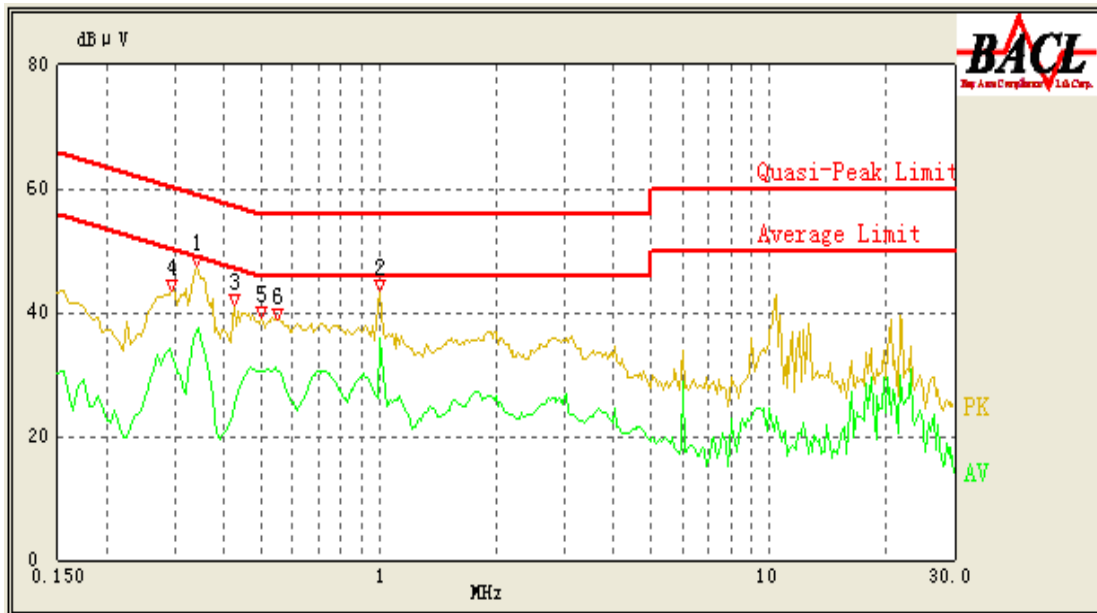
Test Mode: Transmitting

AC 120V / 60Hz, Line :



| Conducted Emissions | | | FCC Part 15.207 | | |
|---------------------|-------------------------|-----------------------|-----------------|-------------|------------------------|
| Frequency (MHz) | Corrected Result (dBμV) | Corrected Factor (dB) | Limit (dBμV) | Margin (dB) | Detector (PK /QP/Ave.) |
| 1.000 | 34.50 | 10.17 | 46.00 | 11.50 | Ave. |
| 0.340 | 36.83 | 10.26 | 50.57 | 13.74 | Ave. |
| 1.000 | 37.24 | 10.17 | 56.00 | 18.76 | QP |
| 0.340 | 41.80 | 10.26 | 60.57 | 18.77 | QP |
| 0.475 | 27.06 | 10.26 | 46.71 | 19.65 | Ave. |
| 0.915 | 25.21 | 10.18 | 46.00 | 20.79 | Ave. |
| 0.915 | 33.41 | 10.18 | 56.00 | 22.59 | QP |
| 1.085 | 22.83 | 10.17 | 46.00 | 23.17 | Ave. |
| 0.475 | 33.46 | 10.26 | 56.71 | 23.25 | QP |
| 1.085 | 31.23 | 10.17 | 56.00 | 24.77 | QP |
| 0.415 | 21.96 | 10.26 | 48.43 | 26.47 | Ave. |
| 0.415 | 30.71 | 10.26 | 58.43 | 27.72 | QP |

AC 120V / 60Hz, Neutral:



| Conducted Emissions | | | FCC Part 15.207 | | |
|---------------------|-------------------------|-----------------------|-----------------|-------------|----------------------|
| Frequency (MHz) | Corrected Result (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Detector (PK/QP/Ave) |
| 1.005 | 35.84 | 10.17 | 46.00 | 10.16 | Ave. |
| 0.340 | 36.70 | 10.25 | 50.57 | 13.87 | Ave. |
| 0.550 | 30.61 | 10.24 | 46.00 | 15.39 | Ave. |
| 0.500 | 30.42 | 10.24 | 46.00 | 15.58 | Ave. |
| 0.340 | 43.21 | 10.25 | 60.57 | 17.36 | QP |
| 1.005 | 37.47 | 10.17 | 56.00 | 18.53 | QP |
| 0.295 | 33.10 | 10.25 | 51.86 | 18.76 | Ave. |
| 0.550 | 35.16 | 10.24 | 56.00 | 20.84 | QP |
| 0.500 | 34.59 | 10.24 | 56.00 | 21.41 | QP |
| 0.425 | 25.26 | 10.25 | 48.14 | 22.88 | Ave. |
| 0.295 | 38.58 | 10.25 | 61.86 | 23.28 | QP |
| 0.425 | 33.54 | 10.25 | 58.14 | 24.60 | QP |

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

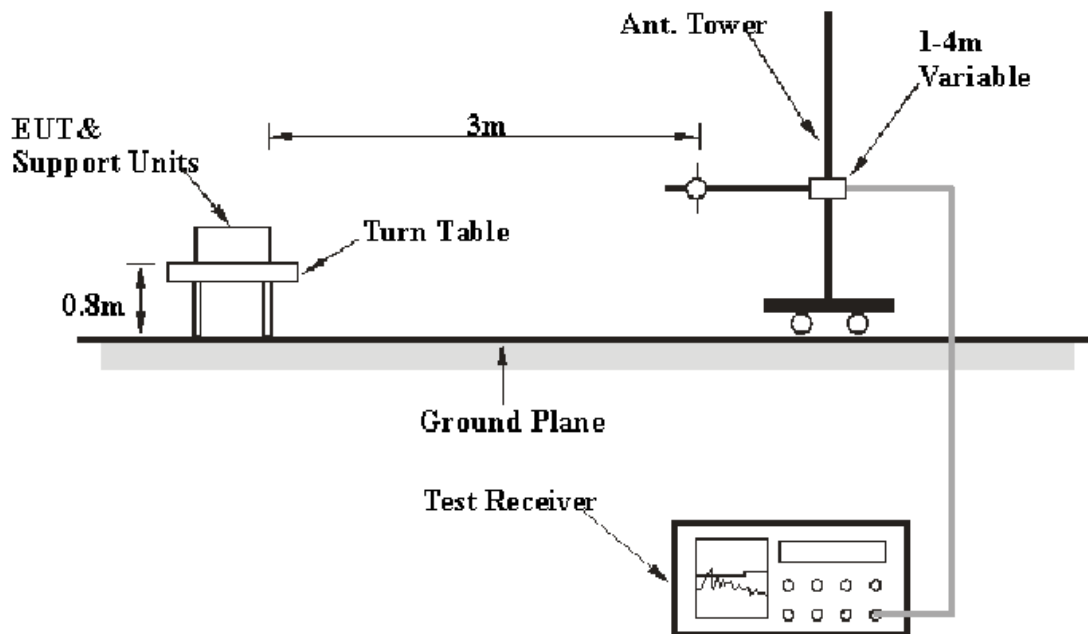
FCC §15.247 (d); §15.209; §15.205;

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-4, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Laboratories Corp. (Shenzhen) is 4.0 dB(k=2, 95% level of confidence), and the uncertainty will not be taken into consideration for all the test data recorded in the report.

EUT Setup



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC 15.209, and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

| <i>Frequency Range</i> | <i>RBW</i> | <i>Video B/W</i> | <i>Detector</i> |
|------------------------|------------|------------------|-----------------|
| 30MHz – 1000 MHz | 100 kHz | 300 kHz | QP |
| 1000 MHz – 25 GHz | 1 MHz | 3 MHz | PK |
| 1000 MHz – 25 GHz | 1 MHz | 10 Hz | Ave. |

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------------------|--------------------|----------|---------------|------------------|----------------------|
| HP | Amplifier | HP8447D | 2944A09795 | 2011-11-24 | 2012-11-23 |
| Rohde & Schwarz | EMI Test Receiver | ESCI | 101122 | 2012-08-08 | 2013-08-07 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-2 | 2011-11-28 | 2012-11-27 |
| Mini-Circuits | Amplifier | ZVA-213+ | T-E27H | 2012-03-08 | 2013-03-08 |
| Sunol Sciences | Horn Antenna | DRH-118 | A052304 | 2011-12-01 | 2012-11-30 |
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2011-11-24 | 2012-11-23 |
| the electro-Mechanics Co. | Horn Antenna | 3116 | 9510-2270 | 2011-10-14 | 2012-10-13 |
| R&S | Auto test Software | EMC32 | V6.30 | - | - |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

For the radiated emissions test, the adapter and other relevant equipments were connected to the AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz and peak and Average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247, with the worst margin reading of:

1.14 dB at 2389.8 MHz in the **Horizontal** polarization for 802.11n-HT20 mode

Test Data

Environmental Conditions

| | |
|---------------------------|-----------|
| Temperature: | 25°C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Tiger Ye on 2012-09-14

Test Mode: Transmitting

30 MHz-25 GHz

802.11b mode:

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|---------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBµV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| Low Channel (2412 MHz) | | | | | | | | | | |
| 2412 | 106.35 | PK | 59 | 1.20 | H | 6.13 | 112.48 | / | / | Fund. |
| 2412 | 93.36 | Ave. | 59 | 1.20 | H | 6.13 | 99.49 | / | / | Fund. |
| 2412 | 105.33 | PK | 223 | 1.30 | V | 6.13 | 111.46 | / | / | Fund. |
| 2412 | 93.25 | Ave. | 223 | 1.30 | V | 6.13 | 99.38 | / | / | Fund. |
| 250 | 58.70 | QP | 120 | 1.20 | H | -15.80 | 42.90 | 46.00 | 3.10* | Spurious |
| 500 | 46.90 | QP | 224 | 1.40 | V | -10.10 | 36.80 | 46.00 | 9.20 | Spurious |
| 2388.3 | 37.83 | Ave. | 32 | 1.20 | H | 6.13 | 43.96 | 54.00 | 10.04 | Spurious |
| 4824 | 31.22 | Ave. | 15 | 1.20 | H | 12.40 | 43.62 | 54.00 | 10.38 | Harmonic |
| 2388.3 | 55.93 | PK | 32 | 1.20 | H | 6.13 | 62.06 | 74.00 | 11.94 | Spurious |
| 4824 | 47.96 | PK | 15 | 1.20 | H | 12.40 | 60.36 | 74.00 | 13.64 | Harmonic |
| 9648 | 17.42 | Ave. | 33 | 1.20 | V | 19.29 | 36.71 | 54.00 | 17.29 | Harmonic |
| 2491.4 | 28.86 | Ave. | 58 | 1.30 | V | 6.81 | 35.67 | 54.00 | 18.33 | Spurious |
| 7236 | 18.52 | Ave. | 42 | 1.20 | H | 16.62 | 35.14 | 54.00 | 18.86 | Harmonic |
| 2334.3 | 28.57 | Ave. | 163 | 1.10 | V | 5.48 | 34.05 | 54.00 | 19.95 | Spurious |
| 9648 | 33.29 | PK | 33 | 1.20 | V | 19.29 | 52.58 | 74.00 | 21.42 | Harmonic |
| 7236 | 33.69 | PK | 42 | 1.20 | H | 16.62 | 50.31 | 74.00 | 23.69 | Harmonic |
| 2491.4 | 43.29 | PK | 58 | 1.30 | V | 6.81 | 50.10 | 74.00 | 23.90 | Spurious |
| 2334.3 | 43.67 | PK | 163 | 1.10 | V | 5.48 | 49.15 | 74.00 | 24.85 | Spurious |
| Middle Channel (2437 MHz) | | | | | | | | | | |
| 2437 | 106.33 | PK | 68 | 1.20 | H | 6.13 | 112.46 | / | / | Fund. |
| 2437 | 93.65 | Ave. | 68 | 1.20 | H | 6.13 | 99.78 | / | / | Fund. |
| 2437 | 105.29 | PK | 56 | 1.20 | V | 6.13 | 111.42 | / | / | Fund. |
| 2437 | 93.57 | Ave. | 56 | 1.20 | V | 6.13 | 99.70 | / | / | Fund. |
| 250 | 58.30 | QP | 135 | 1.50 | H | -15.80 | 42.50 | 46.00 | 3.50* | Spurious |
| 500 | 49.00 | QP | 116 | 1.20 | V | -10.10 | 38.90 | 46.00 | 7.10 | Spurious |
| 4874 | 30.94 | Ave. | 35 | 1.20 | H | 12.46 | 43.40 | 54.00 | 10.60 | Harmonic |
| 4874 | 47.66 | PK | 35 | 1.20 | H | 12.46 | 60.12 | 74.00 | 13.88 | Harmonic |
| 9748 | 17.52 | Ave. | 123 | 1.20 | V | 19.40 | 36.92 | 54.00 | 17.08 | Harmonic |
| 2388.2 | 30.29 | Ave. | 36 | 1.20 | H | 6.13 | 36.42 | 54.00 | 17.58 | Spurious |
| 2486.4 | 28.99 | Ave. | 65 | 1.30 | V | 6.81 | 35.80 | 54.00 | 18.20 | Spurious |
| 7311 | 18.55 | Ave. | 225 | 1.30 | H | 16.49 | 35.04 | 54.00 | 18.96 | Harmonic |
| 2336.3 | 29.03 | Ave. | 24 | 1.10 | V | 5.48 | 34.51 | 54.00 | 19.49 | Spurious |
| 9748 | 33.26 | PK | 123 | 1.20 | V | 19.40 | 52.66 | 74.00 | 21.34 | Harmonic |
| 2388.2 | 45.22 | PK | 36 | 1.20 | H | 6.13 | 51.35 | 74.00 | 22.65 | Spurious |
| 7311 | 33.65 | PK | 225 | 1.30 | H | 16.49 | 50.14 | 74.00 | 23.86 | Harmonic |
| 2486.4 | 43.29 | PK | 65 | 1.30 | V | 6.81 | 50.10 | 74.00 | 23.90 | Spurious |
| 2336.3 | 43.66 | PK | 24 | 1.10 | V | 5.48 | 49.14 | 74.00 | 24.86 | Spurious |

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|-------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBuV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| High Channel (2462 MHz) | | | | | | | | | | |
| 2462 | 107.88 | PK | 96 | 1.30 | H | 7.21 | 115.09 | / | / | Fund. |
| 2462 | 94.31 | Ave. | 96 | 1.30 | H | 7.21 | 101.52 | / | / | Fund. |
| 2462 | 105.26 | PK | 98 | 1.30 | V | 6.81 | 112.07 | / | / | Fund. |
| 2462 | 93.67 | Ave. | 98 | 1.30 | V | 6.81 | 100.48 | / | / | Fund. |
| 250 | 57.60 | QP | 235 | 1.20 | H | -15.80 | 41.80 | 46.00 | 4.20 | Spurious |
| 500 | 48.70 | QP | 148 | 1.30 | V | -10.10 | 38.60 | 46.00 | 7.40 | Spurious |
| 4924 | 31.86 | Ave. | 85 | 1.20 | H | 12.50 | 44.36 | 54.00 | 9.64 | Harmonic |
| 2485.7 | 34.42 | Ave. | 3 | 1.30 | V | 6.81 | 41.23 | 54.00 | 12.77 | Spurious |
| 4924 | 48.39 | PK | 85 | 1.20 | H | 12.50 | 60.89 | 74.00 | 13.11 | Harmonic |
| 2485.7 | 50.83 | PK | 3 | 1.30 | V | 6.81 | 57.64 | 74.00 | 16.36 | Spurious |
| 9848 | 17.09 | Ave. | 44 | 1.20 | V | 19.39 | 36.48 | 54.00 | 17.52 | Harmonic |
| 2386.6 | 29.27 | Ave. | 26 | 1.20 | H | 6.13 | 35.40 | 54.00 | 18.60 | Spurious |
| 2337.1 | 29.25 | Ave. | 36 | 1.20 | V | 5.48 | 34.73 | 54.00 | 19.27 | Spurious |
| 7386 | 18.74 | Ave. | 75 | 1.10 | H | 15.91 | 34.65 | 54.00 | 19.35 | Harmonic |
| 9848 | 33.29 | PK | 44 | 1.20 | V | 19.39 | 52.68 | 74.00 | 21.32 | Harmonic |
| 2386.6 | 45.26 | PK | 26 | 1.20 | H | 6.13 | 51.39 | 74.00 | 22.61 | Spurious |
| 7386 | 33.96 | PK | 75 | 1.10 | H | 15.91 | 49.87 | 74.00 | 24.13 | Harmonic |
| 2337.1 | 44.15 | PK | 36 | 1.20 | V | 5.48 | 49.63 | 74.00 | 24.37 | Spurious |

*Within measurement uncertainty.

802.11g mode:

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|---------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBuV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| Low Channel (2412 MHz) | | | | | | | | | | |
| 2412 | 105.63 | PK | 265 | 1.20 | H | 6.13 | 111.76 | / | / | Fund. |
| 2412 | 91.58 | Ave. | 265 | 1.20 | H | 6.13 | 97.71 | / | / | Fund. |
| 2412 | 106.68 | PK | 56 | 1.30 | V | 6.13 | 112.81 | / | / | Fund. |
| 2412 | 91.57 | Ave. | 56 | 1.30 | V | 6.13 | 97.70 | / | / | Fund. |
| 2389.6 | 65.13 | PK | 85 | 1.20 | H | 6.13 | 71.26 | 74.00 | 2.74* | Spurious |
| 250 | 57.90 | QP | 152 | 1.20 | H | -15.80 | 42.10 | 46.00 | 3.90* | Spurious |
| 2389.6 | 40.95 | Ave. | 85 | 1.20 | H | 6.13 | 47.08 | 54.00 | 6.92 | Spurious |
| 500 | 48.80 | QP | 189 | 1.20 | V | -10.10 | 38.70 | 46.00 | 7.30 | Spurious |
| 4824 | 27.85 | Ave. | 39 | 1.30 | H | 12.40 | 40.25 | 54.00 | 13.75 | Harmonic |
| 4824 | 46.23 | PK | 39 | 1.30 | H | 12.40 | 58.63 | 74.00 | 15.37 | Harmonic |
| 2492.1 | 30.22 | Ave. | 78 | 1.20 | V | 6.81 | 37.03 | 54.00 | 16.97 | Spurious |
| 9648 | 17.58 | Ave. | 15 | 1.20 | V | 19.29 | 36.87 | 54.00 | 17.13 | Harmonic |
| 2331.5 | 30.26 | Ave. | 33 | 1.20 | V | 5.48 | 35.74 | 54.00 | 18.26 | Spurious |
| 7236 | 17.45 | Ave. | 94 | 1.10 | H | 16.62 | 34.07 | 54.00 | 19.93 | Harmonic |
| 9648 | 33.95 | PK | 15 | 1.20 | V | 19.29 | 53.24 | 74.00 | 20.76 | Harmonic |
| 2492.1 | 44.29 | PK | 78 | 1.20 | V | 6.81 | 51.10 | 74.00 | 22.90 | Spurious |
| 7236 | 33.69 | PK | 94 | 1.10 | H | 16.62 | 50.31 | 74.00 | 23.69 | Harmonic |
| 2331.5 | 44.56 | PK | 33 | 1.20 | V | 5.48 | 50.04 | 74.00 | 23.96 | Spurious |
| Middle Channel (2437 MHz) | | | | | | | | | | |
| 2437 | 105.33 | PK | 96 | 1.20 | H | 6.13 | 111.46 | / | / | Fund. |
| 2437 | 92.03 | Ave. | 96 | 1.20 | H | 6.13 | 98.16 | / | / | Fund. |
| 2437 | 107.55 | PK | 335 | 1.10 | V | 6.13 | 113.68 | / | / | Fund. |
| 2437 | 92.28 | Ave. | 335 | 1.10 | V | 6.13 | 98.41 | / | / | Fund. |
| 250 | 57.00 | QP | 254 | 1.30 | H | -15.80 | 41.20 | 46.00 | 4.80 | Spurious |
| 500 | 49.40 | QP | 220 | 1.30 | V | -10.10 | 39.30 | 46.00 | 6.70 | Spurious |
| 4874 | 28.31 | Ave. | 41 | 1.20 | H | 12.46 | 40.77 | 54.00 | 13.23 | Harmonic |
| 4874 | 46.29 | PK | 41 | 1.20 | H | 12.46 | 58.75 | 74.00 | 15.25 | Harmonic |
| 9748 | 17.68 | Ave. | 236 | 1.20 | V | 19.40 | 37.08 | 54.00 | 16.92 | Harmonic |
| 2337.8 | 31.25 | Ave. | 52 | 1.20 | V | 5.48 | 36.73 | 54.00 | 17.27 | Spurious |
| 2491.7 | 29.91 | Ave. | 42 | 1.20 | V | 6.81 | 36.72 | 54.00 | 17.28 | Spurious |
| 2382.2 | 29.98 | Ave. | 11 | 1.20 | H | 6.13 | 36.11 | 54.00 | 17.89 | Spurious |
| 7311 | 17.89 | Ave. | 128 | 1.20 | H | 16.49 | 34.38 | 54.00 | 19.62 | Harmonic |
| 9748 | 33.29 | PK | 236 | 1.20 | V | 19.40 | 52.69 | 74.00 | 21.31 | Harmonic |
| 7311 | 33.96 | PK | 128 | 1.20 | H | 16.49 | 50.45 | 74.00 | 23.55 | Harmonic |
| 2337.8 | 44.96 | PK | 52 | 1.20 | V | 5.48 | 50.44 | 74.00 | 23.56 | Spurious |
| 2382.2 | 44.29 | PK | 11 | 1.20 | H | 6.13 | 50.42 | 74.00 | 23.58 | Spurious |
| 2491.7 | 43.22 | PK | 42 | 1.20 | V | 6.81 | 50.03 | 74.00 | 23.97 | Spurious |

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|-------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBµV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| High Channel (2462 MHz) | | | | | | | | | | |
| 2462 | 106.33 | PK | 66 | 1.10 | H | 7.21 | 113.54 | / | / | Fund. |
| 2462 | 92.11 | Ave. | 66 | 1.10 | H | 7.21 | 99.32 | / | / | Fund. |
| 2462 | 106.83 | PK | 36 | 1.30 | V | 6.81 | 113.64 | / | / | Fund. |
| 2462 | 91.87 | Ave. | 36 | 1.30 | V | 6.81 | 98.68 | / | / | Fund. |
| 2483.5 | 64.04 | PK | 82 | 1.30 | V | 6.81 | 70.85 | 74.00 | 3.15* | Spurious |
| 2483.5 | 42.88 | Ave. | 82 | 1.30 | V | 6.81 | 49.69 | 54.00 | 4.31 | Spurious |
| 250 | 57.10 | QP | 160 | 1.20 | H | -15.80 | 41.30 | 46.00 | 4.70 | Spurious |
| 500 | 50.00 | QP | 138 | 1.40 | V | -10.10 | 39.90 | 46.00 | 6.10 | Spurious |
| 4924 | 27.83 | Ave. | 78 | 1.20 | H | 12.50 | 40.33 | 54.00 | 13.67 | Harmonic |
| 4924 | 45.67 | PK | 78 | 1.20 | H | 12.50 | 58.17 | 74.00 | 15.83 | Harmonic |
| 9848 | 17.88 | Ave. | 88 | 1.20 | V | 19.39 | 37.27 | 54.00 | 16.73 | Harmonic |
| 2387.3 | 29.97 | Ave. | 78 | 1.20 | H | 6.13 | 36.10 | 54.00 | 17.90 | Spurious |
| 2334.6 | 29.96 | Ave. | 98 | 1.30 | V | 5.48 | 35.44 | 54.00 | 18.56 | Spurious |
| 7386 | 19.21 | Ave. | 96 | 1.30 | H | 15.91 | 35.12 | 54.00 | 18.88 | Harmonic |
| 9848 | 33.25 | PK | 88 | 1.20 | V | 19.39 | 52.64 | 74.00 | 21.36 | Harmonic |
| 2387.3 | 43.85 | PK | 78 | 1.20 | H | 6.13 | 49.98 | 74.00 | 24.02 | Spurious |
| 7386 | 34.02 | PK | 96 | 1.30 | H | 15.91 | 49.93 | 74.00 | 24.07 | Harmonic |
| 2334.6 | 44.15 | PK | 98 | 1.30 | V | 5.48 | 49.63 | 74.00 | 24.37 | Spurious |

*Within measurement uncertainty.

802.11n-HT20 mode:

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|---------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBuV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| Low Channel (2412 MHz) | | | | | | | | | | |
| 2412 | 106.63 | PK | 125 | 1.20 | H | 6.13 | 112.76 | / | / | Fund. |
| 2412 | 91.56 | Ave. | 125 | 1.20 | H | 6.13 | 97.69 | / | / | Fund. |
| 2412 | 106.22 | PK | 14 | 1.30 | V | 6.13 | 112.35 | / | / | Fund. |
| 2412 | 91.25 | Ave. | 14 | 1.30 | V | 6.13 | 97.38 | / | / | Fund. |
| 2389.8 | 66.73 | PK | 7 | 1.20 | H | 6.13 | 72.86 | 74.00 | 1.14* | Spurious |
| 2389.8 | 43.67 | Ave. | 7 | 1.20 | H | 6.13 | 49.80 | 54.00 | 4.20 | Spurious |
| 250 | 56.60 | QP | 28 | 1.00 | H | -15.80 | 40.80 | 46.00 | 5.20 | Spurious |
| 500 | 49.50 | QP | 264 | 1.30 | V | -10.10 | 39.40 | 46.00 | 6.60 | Spurious |
| 4824 | 27.33 | Ave. | 96 | 1.30 | H | 12.40 | 39.73 | 54.00 | 14.27 | Harmonic |
| 4824 | 45.87 | PK | 96 | 1.30 | H | 12.40 | 58.27 | 74.00 | 15.73 | Harmonic |
| 9648 | 17.25 | Ave. | 7 | 1.20 | V | 19.29 | 36.54 | 54.00 | 17.46 | Harmonic |
| 2333.7 | 29.55 | Ave. | 9 | 1.20 | V | 5.48 | 35.03 | 54.00 | 18.97 | Spurious |
| 2483.5 | 27.49 | Ave. | 44 | 1.30 | V | 6.81 | 34.30 | 54.00 | 19.70 | Spurious |
| 7236 | 17.58 | Ave. | 35 | 1.30 | H | 16.62 | 34.20 | 54.00 | 19.80 | Harmonic |
| 9648 | 33.16 | PK | 7 | 1.20 | V | 19.29 | 52.45 | 74.00 | 21.55 | Harmonic |
| 7236 | 33.96 | PK | 35 | 1.30 | H | 16.62 | 50.58 | 74.00 | 23.42 | Harmonic |
| 2333.7 | 43.96 | PK | 9 | 1.20 | V | 5.48 | 49.44 | 74.00 | 24.56 | Spurious |
| 2483.5 | 41.26 | PK | 44 | 1.30 | V | 6.81 | 48.07 | 74.00 | 25.93 | Spurious |
| Middle Channel (2437 MHz) | | | | | | | | | | |
| 2437 | 107.11 | PK | 36 | 1.20 | H | 6.13 | 113.24 | / | / | Fund. |
| 2437 | 91.22 | Ave. | 36 | 1.20 | H | 6.13 | 97.35 | / | / | Fund. |
| 2437 | 105.28 | PK | 99 | 1.30 | V | 6.13 | 111.41 | / | / | Fund. |
| 2437 | 90.67 | Ave. | 99 | 1.30 | V | 6.13 | 96.80 | / | / | Fund. |
| 250 | 56.30 | QP | 118 | 1.40 | H | -15.80 | 40.50 | 46.00 | 5.50 | Spurious |
| 500 | 49.70 | QP | 254 | 1.30 | V | -10.10 | 39.60 | 46.00 | 6.40 | Spurious |
| 4874 | 26.38 | Ave. | 4 | 1.10 | H | 12.46 | 38.84 | 54.00 | 15.16 | Harmonic |
| 4874 | 44.75 | PK | 4 | 1.10 | H | 12.46 | 57.21 | 74.00 | 16.79 | Harmonic |
| 9748 | 17.05 | Ave. | 11 | 1.20 | V | 19.40 | 36.45 | 54.00 | 17.55 | Harmonic |
| 7311 | 17.85 | Ave. | 24 | 1.30 | H | 16.49 | 34.34 | 54.00 | 19.66 | Harmonic |
| 2388.3 | 28.03 | Ave. | 14 | 1.20 | H | 6.13 | 34.16 | 54.00 | 19.84 | Spurious |
| 2491.2 | 27.15 | Ave. | 325 | 1.20 | V | 6.81 | 33.96 | 54.00 | 20.04 | Spurious |
| 2332.8 | 27.88 | Ave. | 125 | 1.20 | V | 5.48 | 33.36 | 54.00 | 20.64 | Spurious |
| 9748 | 33.94 | PK | 11 | 1.20 | V | 19.40 | 53.34 | 74.00 | 20.66 | Harmonic |
| 2388.3 | 45.56 | PK | 14 | 1.20 | H | 6.13 | 51.69 | 74.00 | 22.31 | Spurious |
| 2491.2 | 44.62 | PK | 325 | 1.20 | V | 6.81 | 51.43 | 74.00 | 22.57 | Spurious |
| 2332.8 | 45.28 | PK | 125 | 1.20 | V | 5.48 | 50.76 | 74.00 | 23.24 | Spurious |
| 7311 | 34.02 | PK | 24 | 1.30 | H | 16.49 | 50.51 | 74.00 | 23.49 | Harmonic |

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|-------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBµV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| High Channel (2462 MHz) | | | | | | | | | | |
| 2462 | 107.93 | PK | 5 | 1.10 | H | 7.21 | 115.14 | / | / | Fund. |
| 2462 | 91.86 | Ave. | 5 | 1.10 | H | 7.21 | 99.07 | / | / | Fund. |
| 2462 | 105.19 | PK | 22 | 1.20 | V | 6.81 | 112.00 | / | / | Fund. |
| 2462 | 90.33 | Ave. | 22 | 1.20 | V | 6.81 | 97.14 | / | / | Fund. |
| 2483.5 | 65.39 | PK | 212 | 1.10 | V | 6.81 | 72.20 | 74.00 | 1.80* | Spurious |
| 2483.5 | 43.82 | Ave. | 212 | 1.10 | V | 6.81 | 50.63 | 54.00 | 3.37* | Spurious |
| 250 | 56.50 | QP | 89 | 1.50 | H | -15.80 | 40.70 | 46.00 | 5.30 | Spurious |
| 500 | 49.50 | QP | 115 | 1.20 | V | -10.10 | 39.40 | 46.00 | 6.60 | Spurious |
| 4924 | 27.71 | Ave. | 96 | 1.20 | H | 12.50 | 40.21 | 54.00 | 13.79 | Harmonic |
| 4924 | 45.41 | PK | 96 | 1.20 | H | 12.50 | 57.91 | 74.00 | 16.09 | Harmonic |
| 9848 | 17.73 | Ave. | 33 | 1.20 | V | 19.39 | 37.12 | 54.00 | 16.88 | Harmonic |
| 2386.9 | 27.99 | Ave. | 26 | 1.20 | H | 6.13 | 34.12 | 54.00 | 19.88 | Spurious |
| 7386 | 18.02 | Ave. | 85 | 1.20 | H | 15.91 | 33.93 | 54.00 | 20.07 | Harmonic |
| 2332.8 | 28.03 | Ave. | 25 | 1.30 | V | 5.48 | 33.51 | 54.00 | 20.49 | Spurious |
| 9848 | 33.67 | PK | 33 | 1.20 | V | 19.39 | 53.06 | 74.00 | 20.94 | Harmonic |
| 2386.9 | 44.26 | PK | 26 | 1.20 | H | 6.13 | 50.39 | 74.00 | 23.61 | Spurious |
| 7386 | 33.82 | PK | 85 | 1.20 | H | 15.91 | 49.73 | 74.00 | 24.27 | Harmonic |
| 2332.8 | 44.12 | PK | 25 | 1.30 | V | 5.48 | 49.60 | 74.00 | 24.40 | Spurious |

*Within measurement uncertainty.

802.11n-HT40 mode:

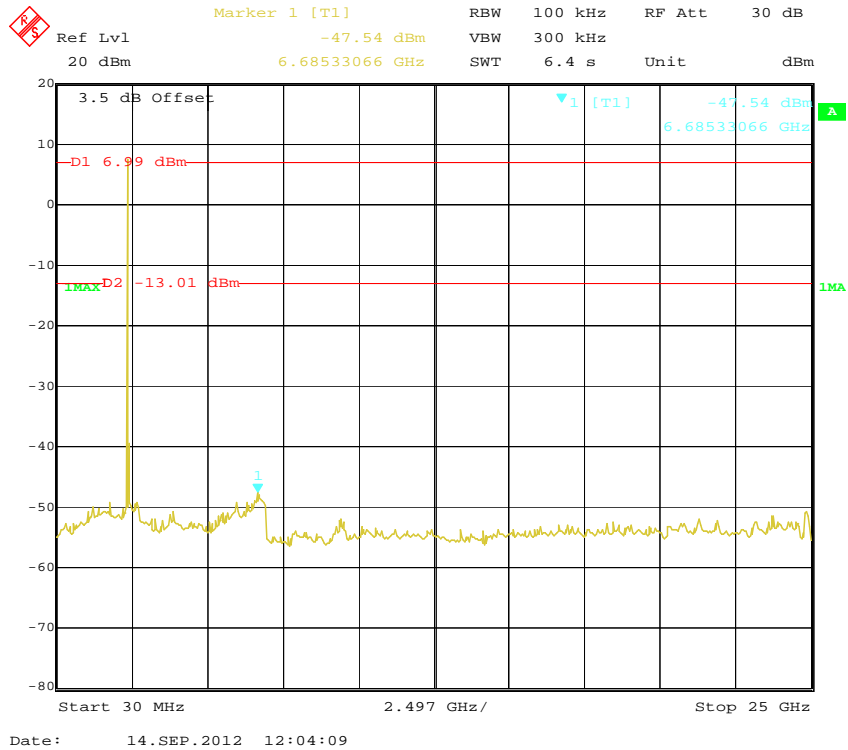
| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|---------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBµV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| Low Channel (2422 MHz) | | | | | | | | | | |
| 2422 | 105.28 | PK | 75 | 1.30 | H | 6.13 | 111.41 | / | / | Fund. |
| 2422 | 88.54 | Ave. | 75 | 1.30 | H | 6.13 | 94.67 | / | / | Fund. |
| 2422 | 100.39 | PK | 96 | 1.20 | V | 6.13 | 106.52 | / | / | Fund. |
| 2422 | 89.73 | Ave. | 96 | 1.20 | V | 6.13 | 95.86 | / | / | Fund. |
| 2390 | 66.71 | PK | 336 | 1.20 | H | 6.13 | 72.84 | 74.00 | 1.16* | Spurious |
| 2390 | 45.82 | Ave. | 336 | 1.20 | H | 6.13 | 51.95 | 54.00 | 2.05* | Spurious |
| 250 | 58.50 | QP | 36 | 1.30 | H | -15.80 | 42.70 | 46.00 | 3.30* | Spurious |
| 500 | 51.80 | QP | 155 | 1.10 | V | -10.10 | 41.70 | 46.00 | 4.30 | Spurious |
| 2491.3 | 38.67 | Ave. | 36 | 1.30 | V | 6.81 | 45.48 | 54.00 | 8.52 | Spurious |
| 2332.7 | 38.57 | Ave. | 26 | 1.30 | V | 5.48 | 44.05 | 54.00 | 9.95 | Spurious |
| 9688 | 17.16 | Ave. | 4 | 1.30 | V | 19.29 | 36.45 | 54.00 | 17.55 | Harmonic |
| 7266 | 17.45 | Ave. | 15 | 1.20 | H | 16.62 | 34.07 | 54.00 | 19.93 | Harmonic |
| 4844 | 21.11 | Ave. | 112 | 1.30 | H | 12.40 | 33.51 | 54.00 | 20.49 | Harmonic |
| 9688 | 33.26 | PK | 4 | 1.30 | V | 19.29 | 52.55 | 74.00 | 21.45 | Harmonic |
| 2491.3 | 44.12 | PK | 36 | 1.30 | V | 6.81 | 50.93 | 74.00 | 23.07 | Spurious |
| 7266 | 33.69 | PK | 15 | 1.20 | H | 16.62 | 50.31 | 74.00 | 23.69 | Harmonic |
| 4844 | 37.12 | PK | 112 | 1.30 | H | 12.40 | 49.52 | 74.00 | 24.48 | Harmonic |
| 2332.7 | 43.69 | PK | 26 | 1.30 | V | 5.48 | 49.17 | 74.00 | 24.83 | Spurious |
| Middle Channel (2437 MHz) | | | | | | | | | | |
| 2437 | 100.25 | PK | 63 | 1.20 | H | 6.13 | 106.38 | / | / | Fund. |
| 2437 | 84.56 | Ave. | 63 | 1.20 | H | 6.13 | 90.69 | / | / | Fund. |
| 2437 | 100.88 | PK | 11 | 1.20 | V | 6.13 | 107.01 | / | / | Fund. |
| 2437 | 84.29 | Ave. | 11 | 1.20 | V | 6.13 | 90.42 | / | / | Fund. |
| 250 | 58.60 | QP | 135 | 1.40 | H | -15.80 | 42.80 | 46.00 | 3.20* | Spurious |
| 500 | 52.00 | QP | 88 | 1.10 | V | -10.10 | 41.90 | 46.00 | 4.10 | Spurious |
| 9748 | 17.58 | Ave. | 25 | 1.20 | V | 19.40 | 36.98 | 54.00 | 17.02 | Harmonic |
| 2492.6 | 28.06 | Ave. | 253 | 1.30 | V | 6.81 | 34.87 | 54.00 | 19.13 | Spurious |
| 7311 | 17.42 | Ave. | 62 | 1.20 | H | 16.49 | 33.91 | 54.00 | 20.09 | Harmonic |
| 2332.2 | 28.26 | Ave. | 9 | 1.20 | V | 5.48 | 33.74 | 54.00 | 20.26 | Spurious |
| 2381.8 | 27.54 | Ave. | 88 | 1.20 | H | 6.13 | 33.67 | 54.00 | 20.33 | Spurious |
| 9748 | 33.29 | PK | 25 | 1.20 | V | 19.40 | 52.69 | 74.00 | 21.31 | Harmonic |
| 4874 | 20.11 | Ave. | 114 | 1.20 | H | 12.46 | 32.57 | 54.00 | 21.43 | Harmonic |
| 2492.6 | 45.31 | PK | 253 | 1.30 | V | 6.81 | 52.12 | 74.00 | 21.88 | Spurious |
| 2332.2 | 45.21 | PK | 9 | 1.20 | V | 5.48 | 50.69 | 74.00 | 23.31 | Spurious |
| 2381.8 | 44.26 | PK | 88 | 1.20 | H | 6.13 | 50.39 | 74.00 | 23.61 | Spurious |
| 7311 | 33.83 | PK | 62 | 1.20 | H | 16.49 | 50.32 | 74.00 | 23.68 | Harmonic |
| 4874 | 36.59 | PK | 114 | 1.20 | H | 12.46 | 49.05 | 74.00 | 24.95 | Harmonic |

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBuV/m) | FCC Part 15.209/15.247 | | |
|-------------------------|----------------|-----------------------|------------------|------------|-------------|-----------------------|------------------------------|------------------------|-------------|----------|
| | Reading (dBµV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBuV/m) | Margin (dB) | Comment |
| High Channel (2452 MHz) | | | | | | | | | | |
| 2452 | 99.87 | PK | 96 | 1.10 | H | 7.21 | 107.08 | / | / | Fund. |
| 2452 | 83.26 | Ave. | 96 | 1.10 | H | 7.21 | 90.47 | / | / | Fund. |
| 2452 | 96.07 | PK | 44 | 1.30 | V | 6.81 | 102.88 | / | / | Fund. |
| 2452 | 80.33 | Ave. | 44 | 1.30 | V | 6.81 | 87.14 | / | / | Fund. |
| 250 | 58.30 | QP | 147 | 1.10 | H | -15.80 | 42.50 | 46.00 | 3.50* | Spurious |
| 500 | 52.30 | QP | 79 | 1.30 | V | -10.10 | 42.20 | 46.00 | 3.80* | Spurious |
| 2484.1 | 39.67 | Ave. | 45 | 1.10 | V | 6.81 | 46.48 | 54.00 | 7.52 | Spurious |
| 2484.1 | 58.53 | PK | 45 | 1.10 | V | 6.81 | 65.34 | 74.00 | 8.66 | Spurious |
| 9808 | 17.25 | Ave. | 26 | 1.30 | V | 19.29 | 36.54 | 54.00 | 17.46 | Harmonic |
| 2387.2 | 29.61 | Ave. | 235 | 1.30 | H | 6.13 | 35.74 | 54.00 | 18.26 | Spurious |
| 2335.3 | 28.13 | Ave. | 85 | 1.30 | V | 5.48 | 33.61 | 54.00 | 20.39 | Spurious |
| 7356 | 17.42 | Ave. | 55 | 1.20 | H | 15.91 | 33.33 | 54.00 | 20.67 | Harmonic |
| 4904 | 20.17 | Ave. | 15 | 1.10 | H | 12.46 | 32.63 | 54.00 | 21.37 | Harmonic |
| 9808 | 32.86 | PK | 26 | 1.30 | V | 19.29 | 52.15 | 74.00 | 21.85 | Harmonic |
| 2387.2 | 45.28 | PK | 235 | 1.30 | H | 6.13 | 51.41 | 74.00 | 22.59 | Spurious |
| 2335.3 | 44.12 | PK | 85 | 1.30 | V | 5.48 | 49.60 | 74.00 | 24.40 | Spurious |
| 7356 | 33.29 | PK | 55 | 1.20 | H | 15.91 | 49.20 | 74.00 | 24.80 | Harmonic |
| 4904 | 36.06 | PK | 15 | 1.10 | H | 12.46 | 48.52 | 74.00 | 25.48 | Harmonic |

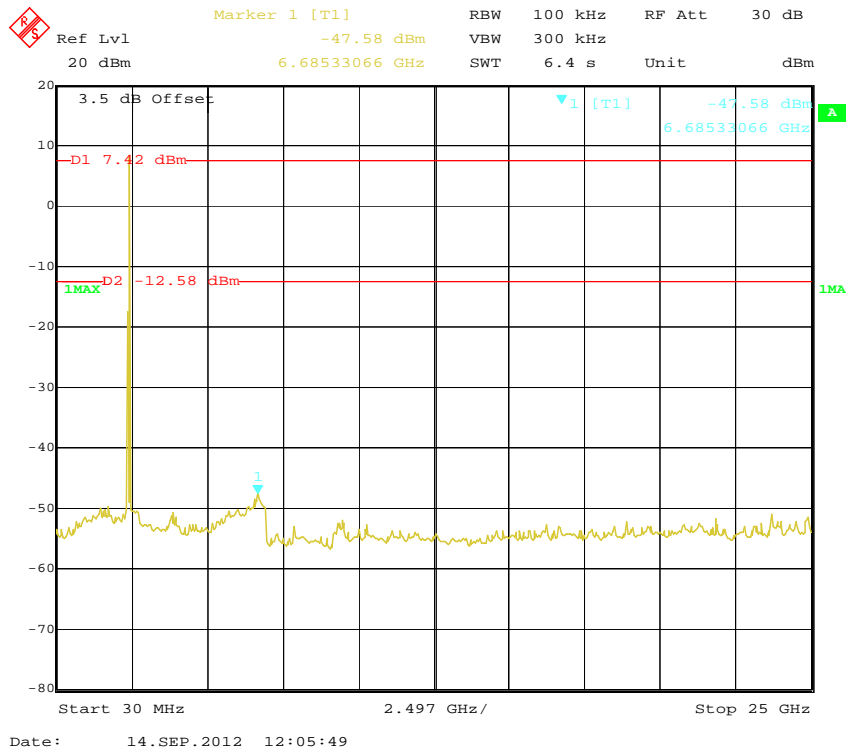
*Within measurement uncertainty.

Antenna Port Conducted Spurious Emissions:

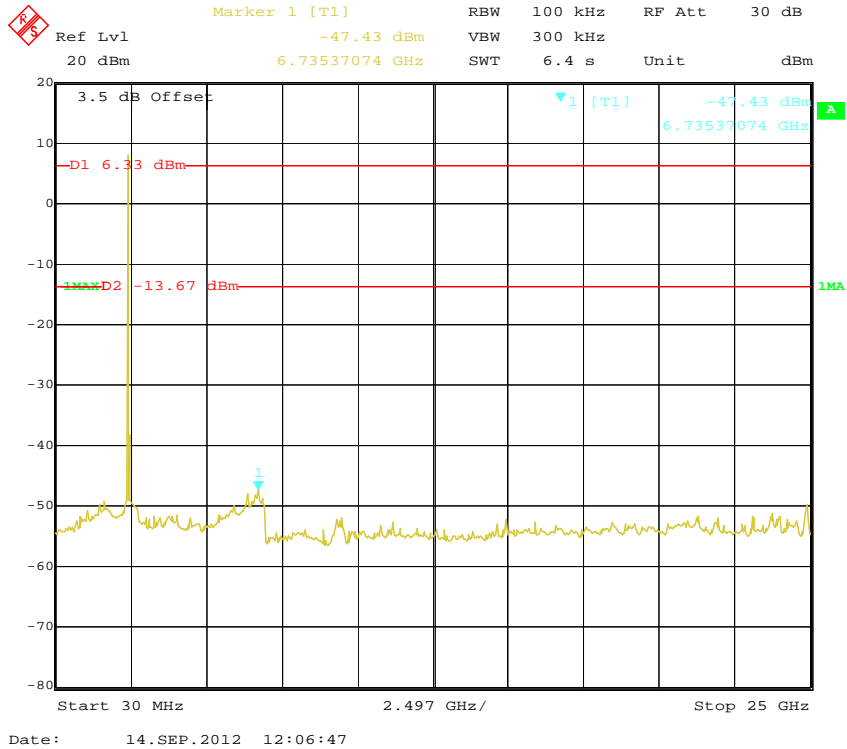
802.11b Low Channel



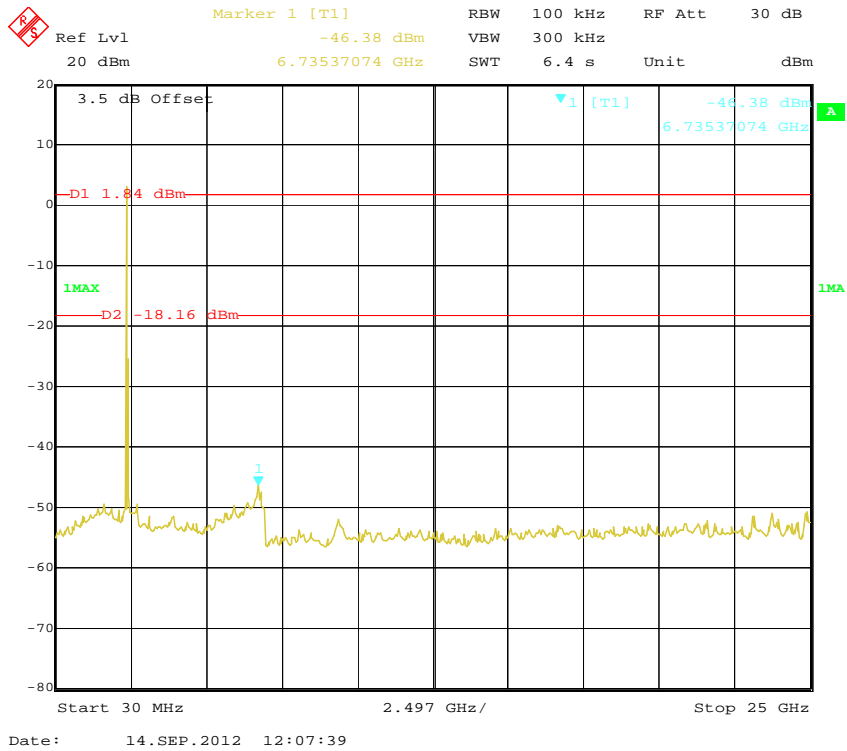
802.11b Middle Channel



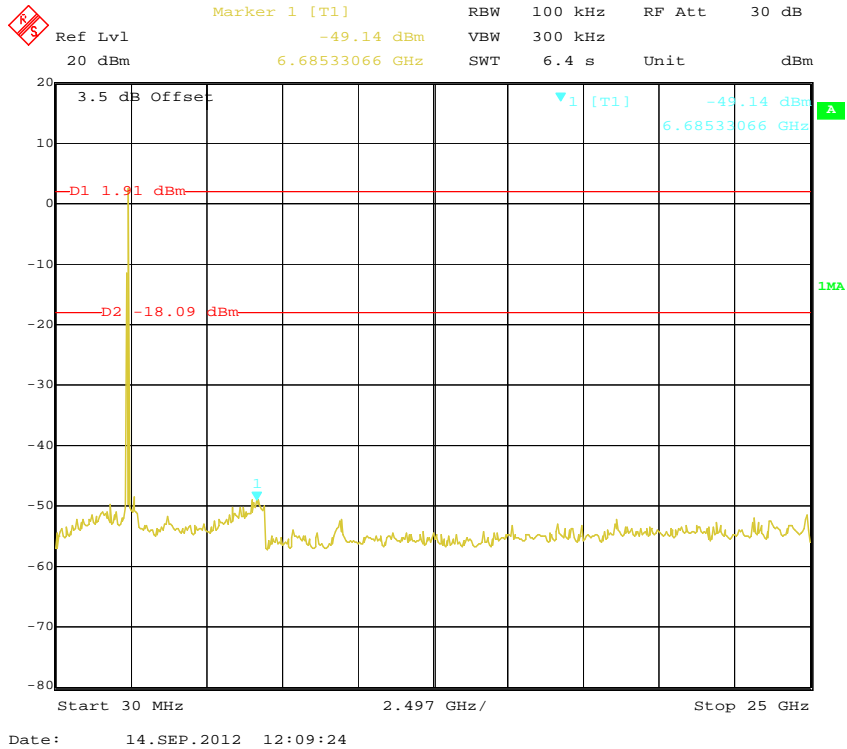
802.11b High Channel



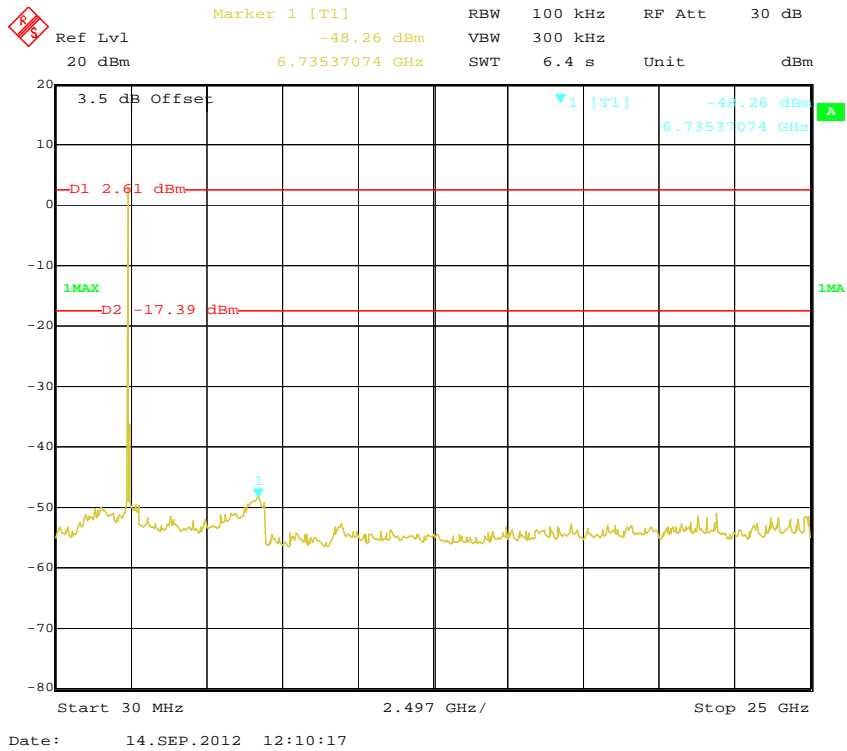
802.11g Low Channel



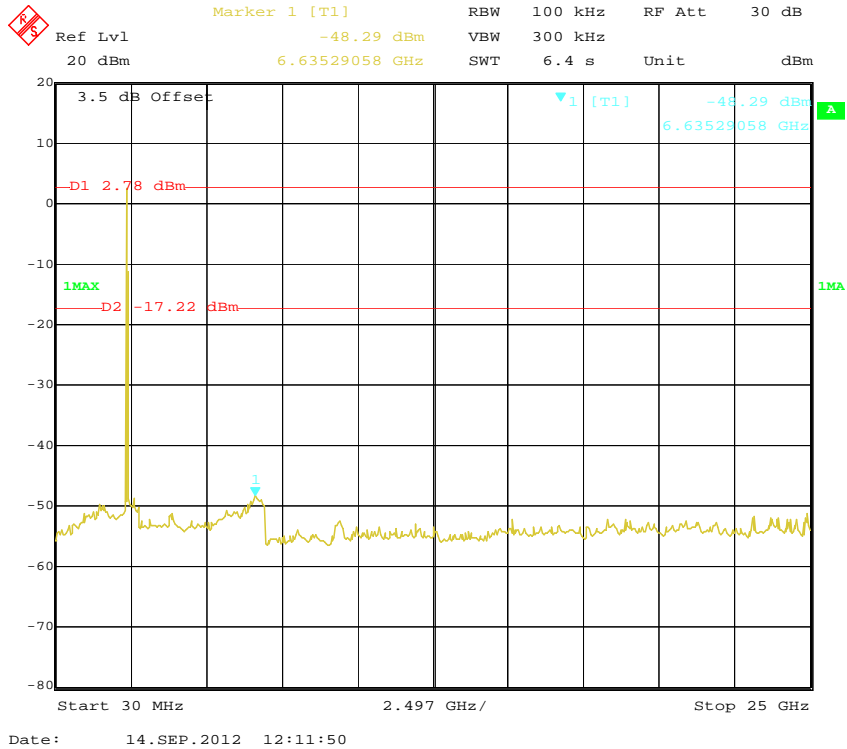
802.11g Middle Channel



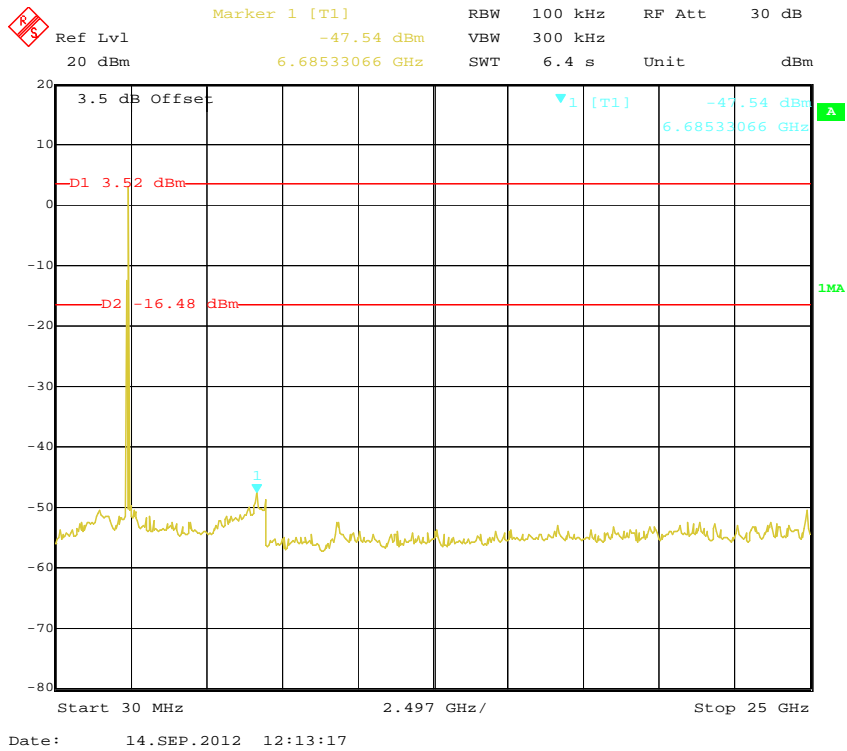
802.11g High Channel



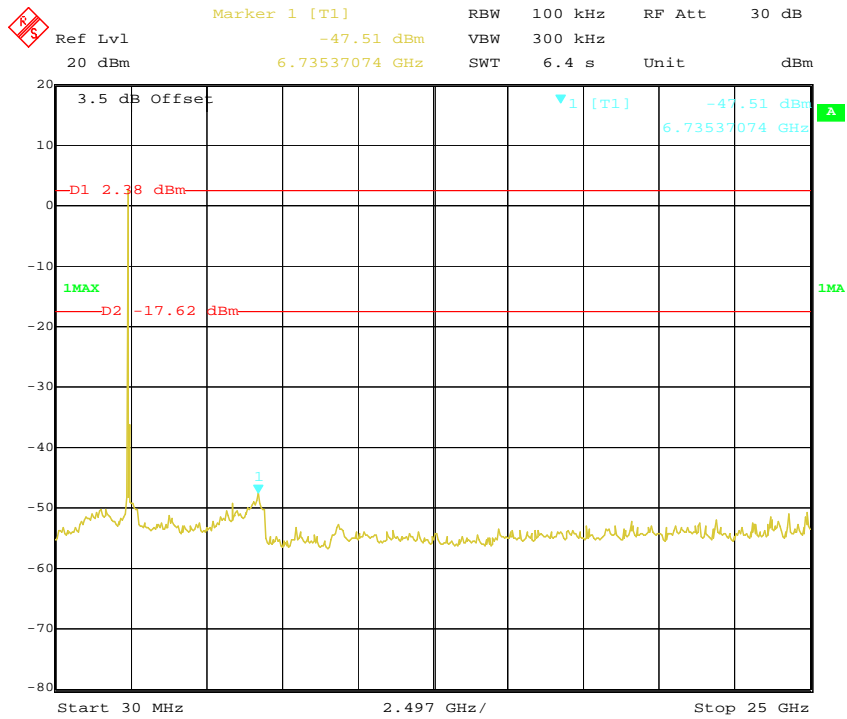
802.11n-HT20 Low Channel



802.11n-HT20 Middle Channel

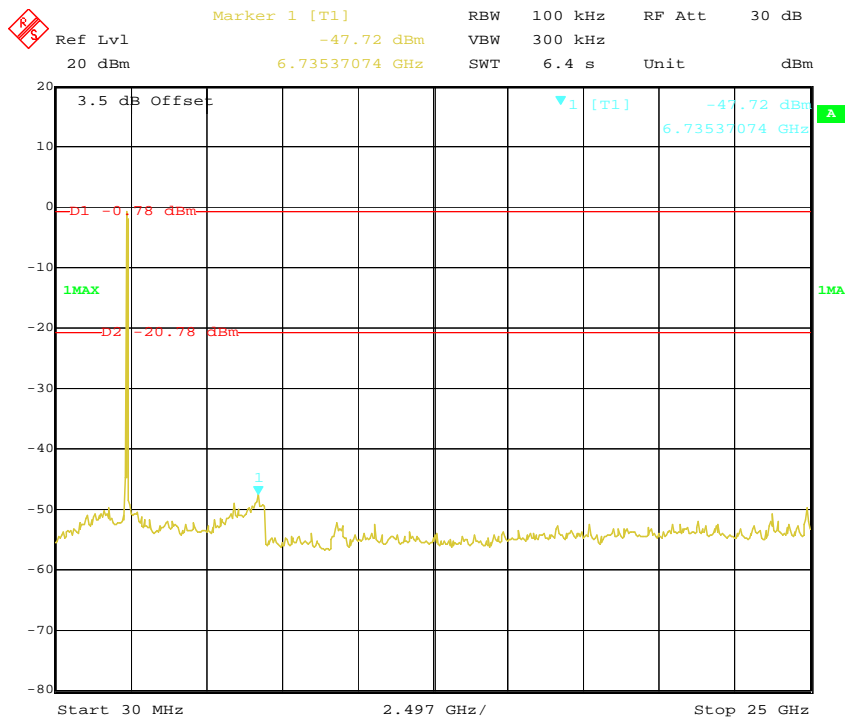


802.11n-HT20 High Channel



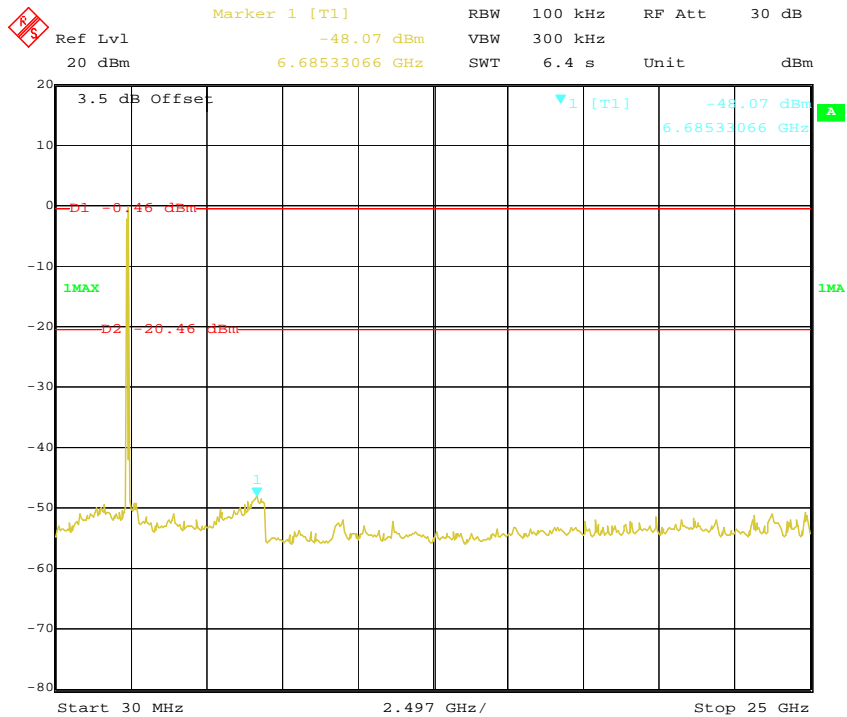
Date: 14.SEP.2012 12:14:03

802.11n-HT40 Low Channel

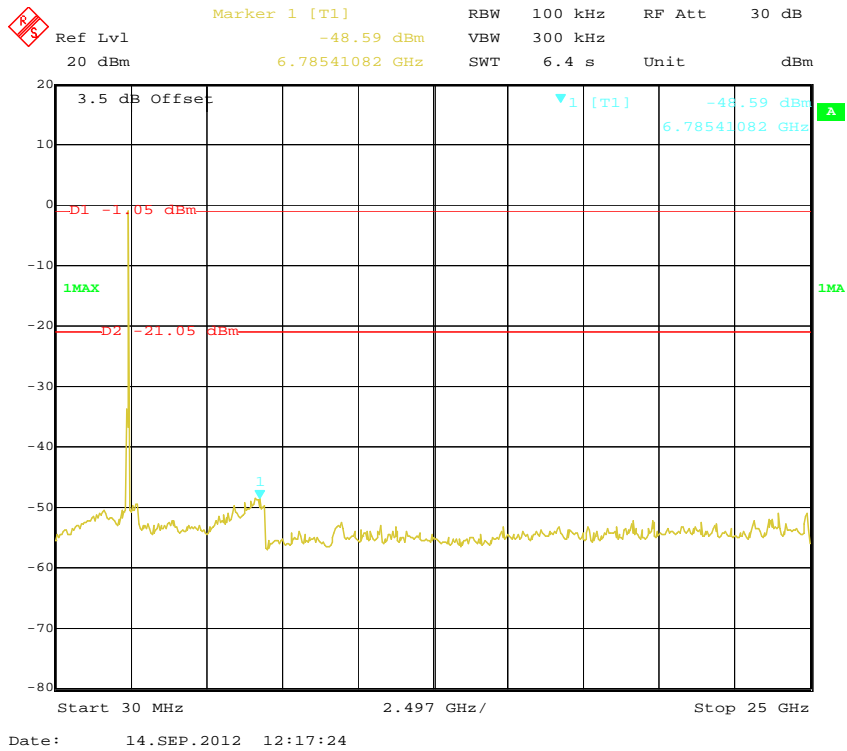


Date: 14.SEP.2012 12:15:06

802.11n-HT40 Middle Channel



802.11n-HT40 High Channel



FCC §15.247(a) (2) – 6 dB BANDWIDTH TESTING

Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

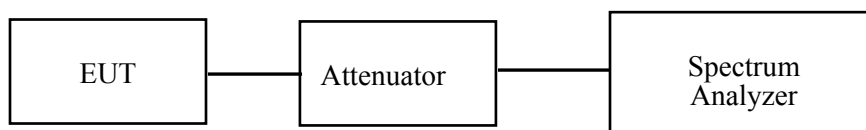
Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2011-11-24 | 2012-11-23 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 6 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.



Test Data

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 25 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Tiger Ye on 2012-09-14.

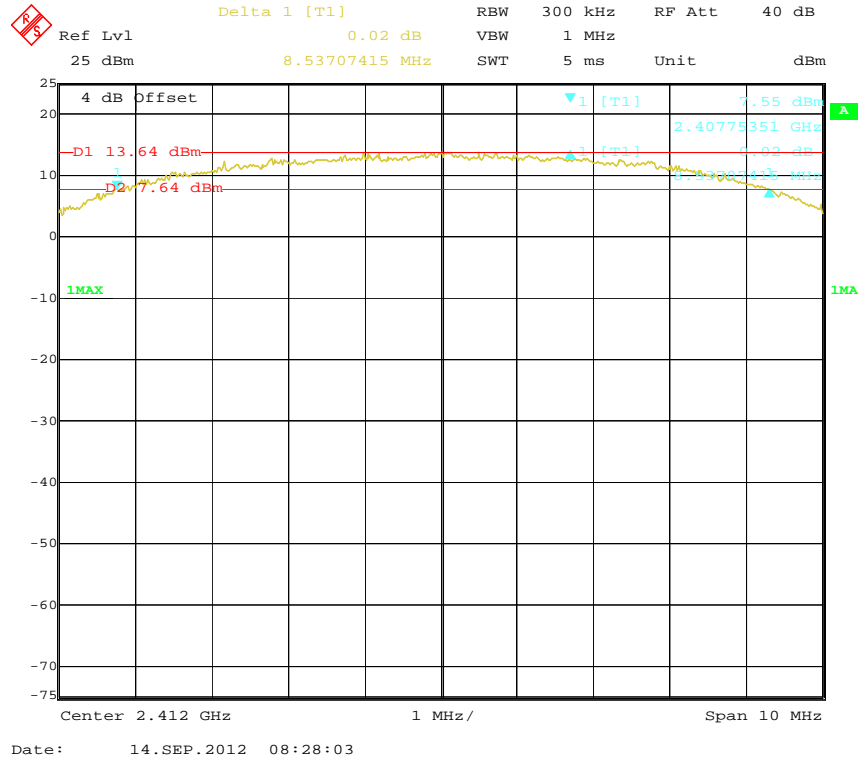
Test Mode: Transmitting

Test Result: Pass.

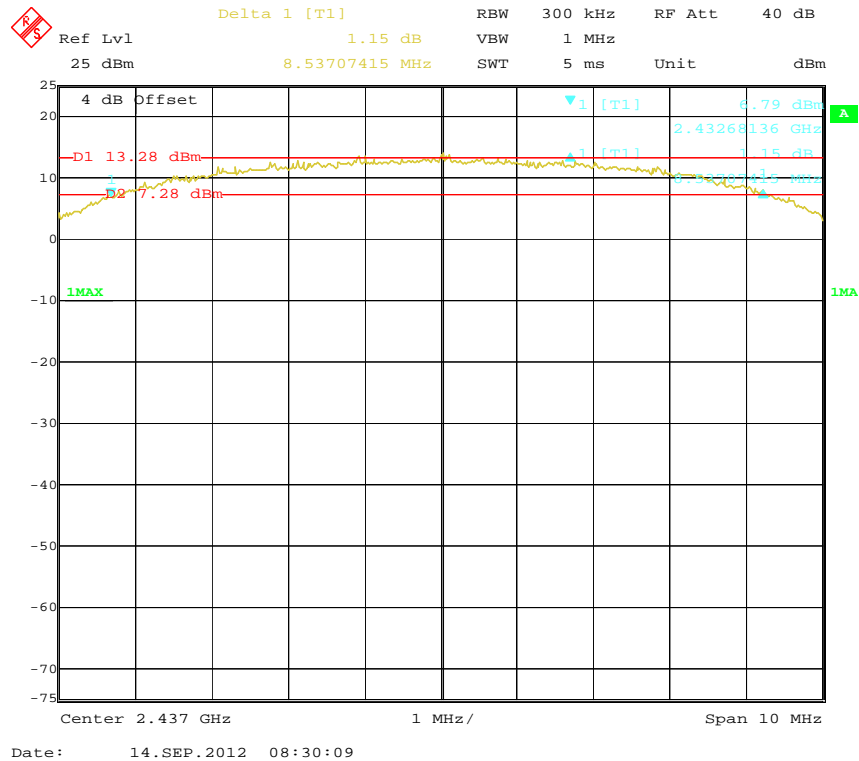
Please refer to the following tables and plots.

| Channel | Frequency (MHz) | Data Rate (Mbps) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|-------------------|-----------------|------------------|---------------------|-------------|--------|
| 802.11b mode | | | | | |
| Low | 2412 | 1 | 8.54 | ≥ 500 | Pass |
| Middle | 2437 | 1 | 8.54 | ≥ 500 | Pass |
| High | 2462 | 1 | 8.54 | ≥ 500 | Pass |
| 802.11g mode | | | | | |
| Low | 2412 | 6 | 16.11 | ≥ 500 | Pass |
| Middle | 2437 | 6 | 16.11 | ≥ 500 | Pass |
| High | 2462 | 6 | 16.11 | ≥ 500 | Pass |
| 802.11n-HT20 mode | | | | | |
| Low | 2412 | 6.5 | 17.52 | ≥ 500 | Pass |
| Middle | 2437 | 6.5 | 17.52 | ≥ 500 | Pass |
| High | 2462 | 6.5 | 17.52 | ≥ 500 | Pass |
| 802.11n-HT40 mode | | | | | |
| Low | 2422 | 13.5 | 36.23 | ≥ 500 | Pass |
| Middle | 2437 | 13.5 | 36.23 | ≥ 500 | Pass |
| High | 2452 | 13.5 | 36.23 | ≥ 500 | Pass |

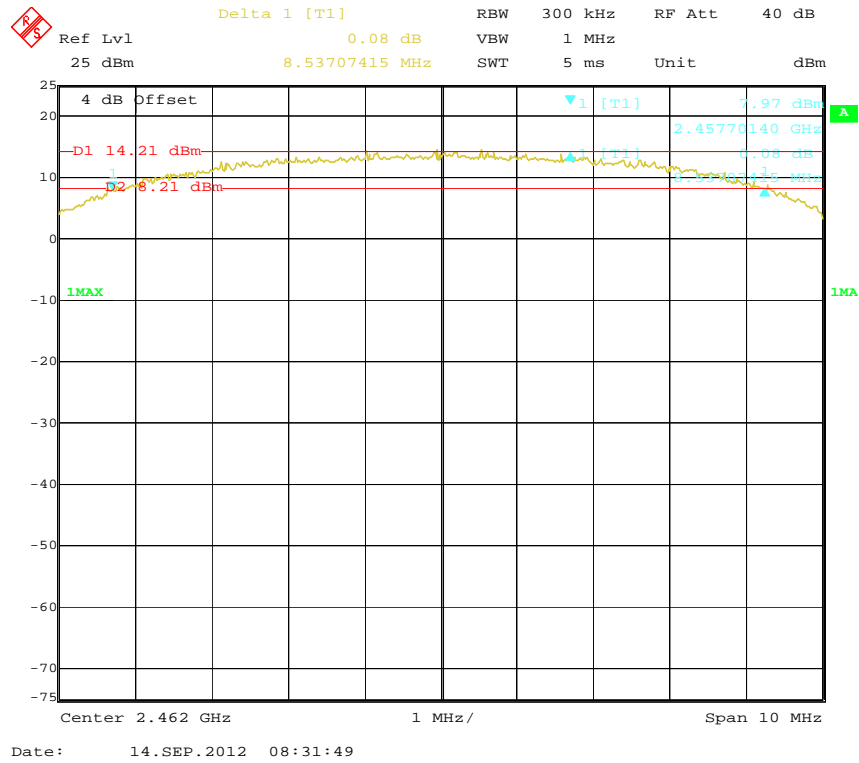
802.11b Low Channel



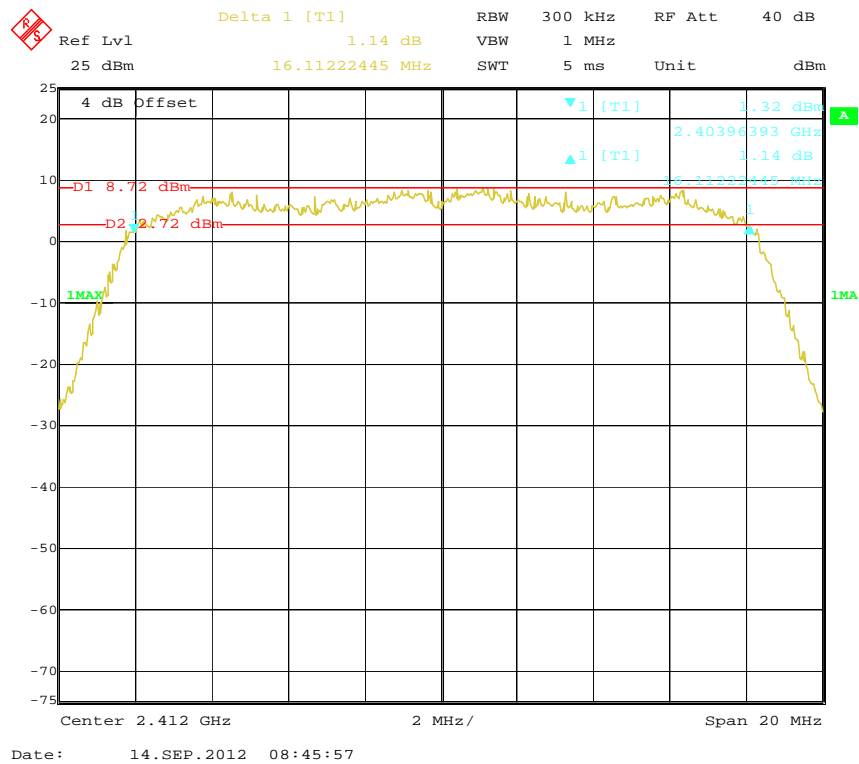
802.11b Middle Channel



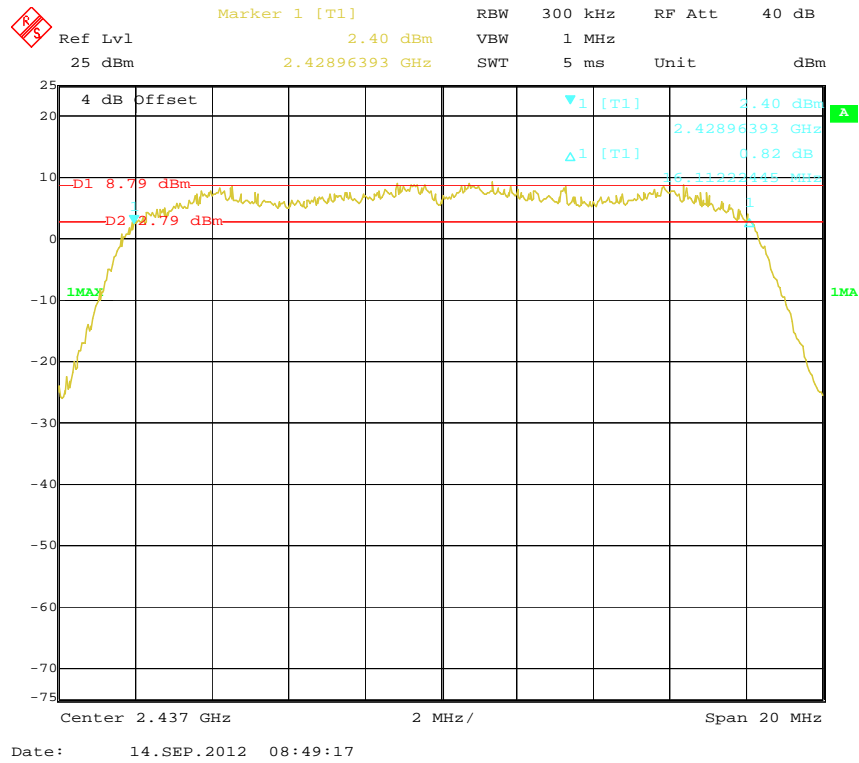
802.11b High Channel



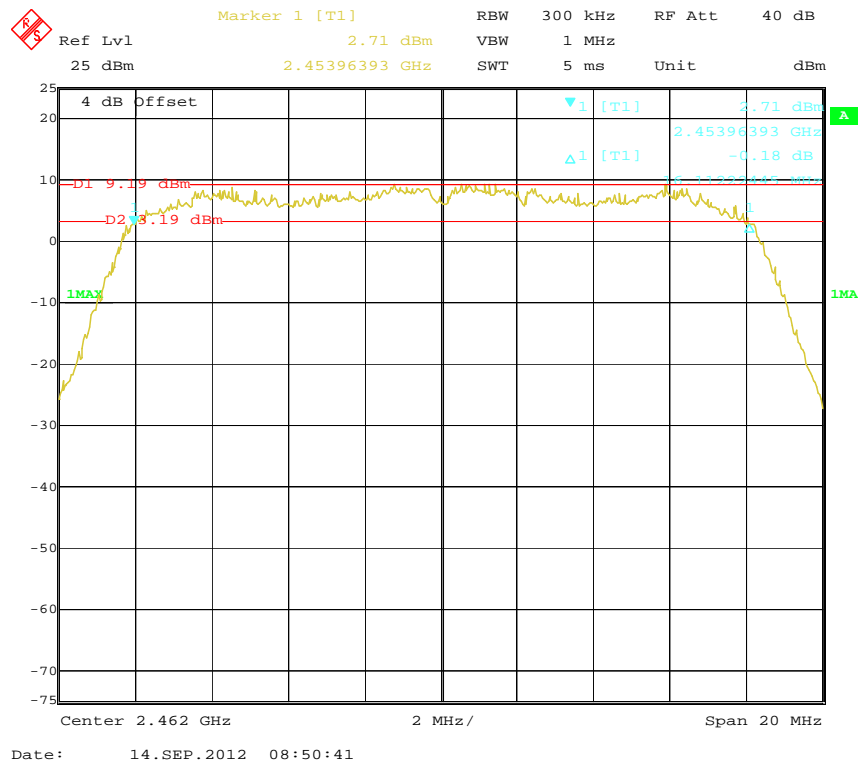
802.11g Low Channel



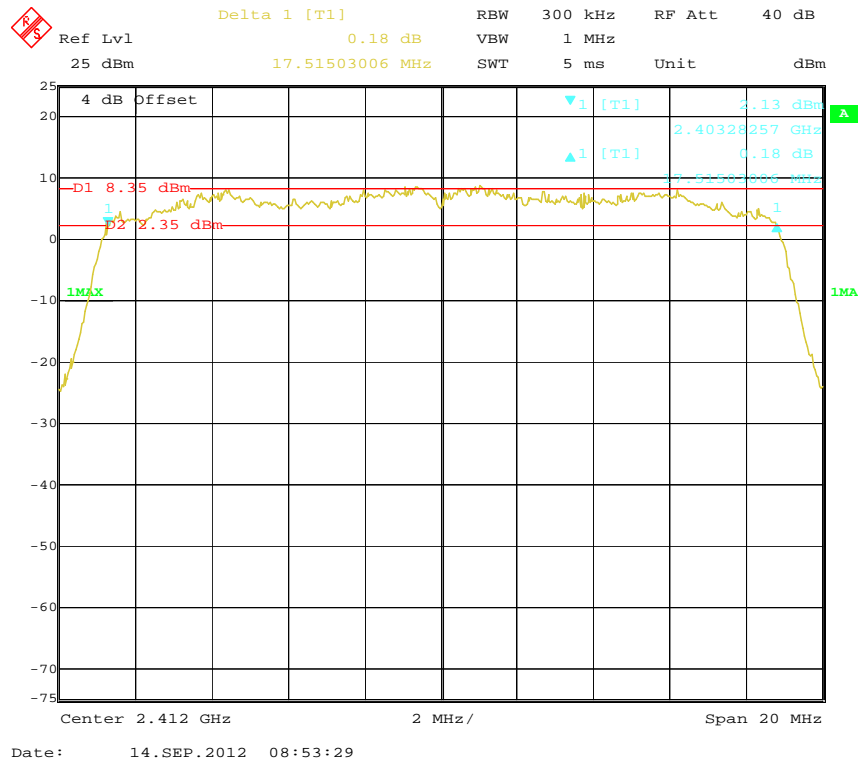
802.11g Middle Channel



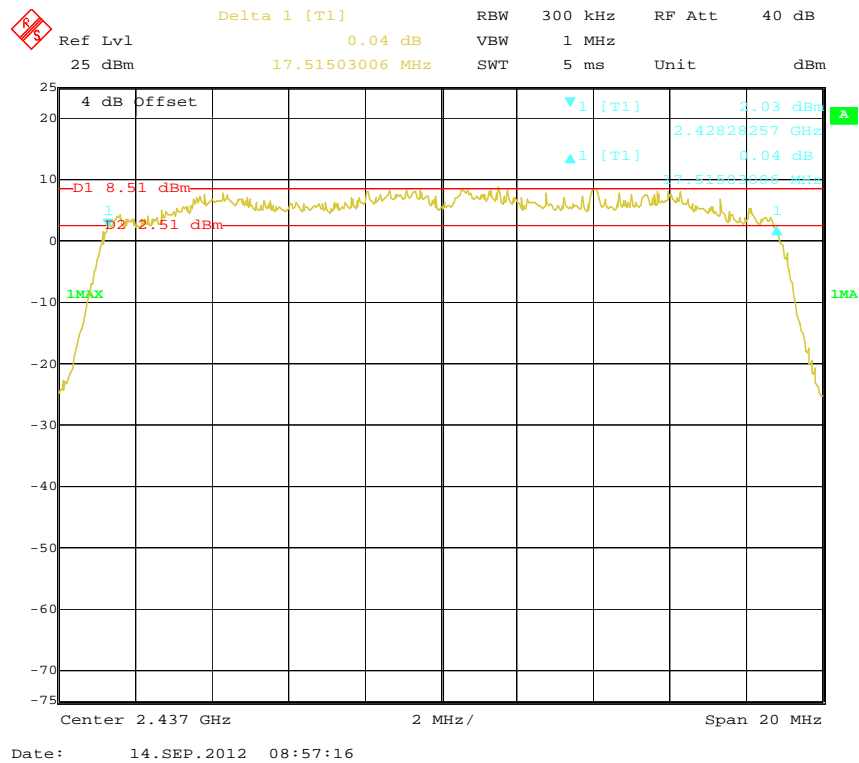
802.11g High Channel



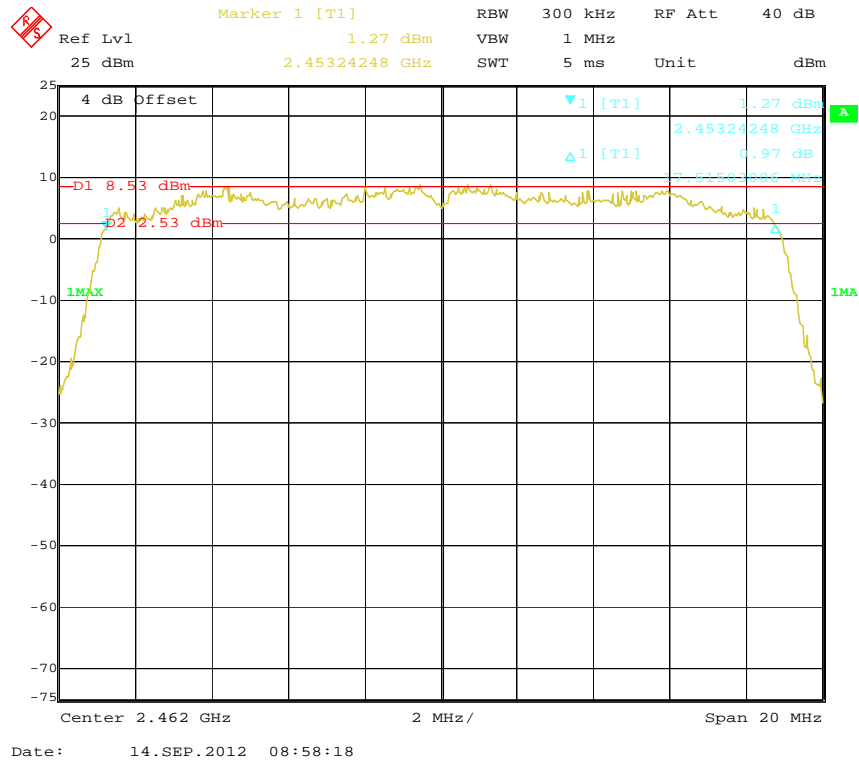
802.11n-HT20 Low Channel



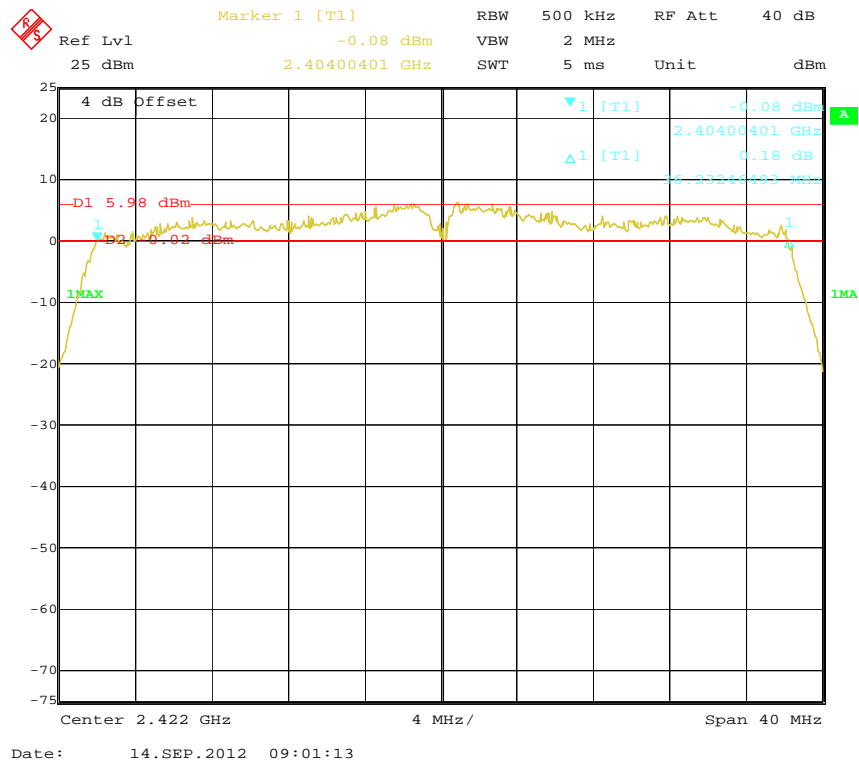
802.11n-HT20 Middle Channel



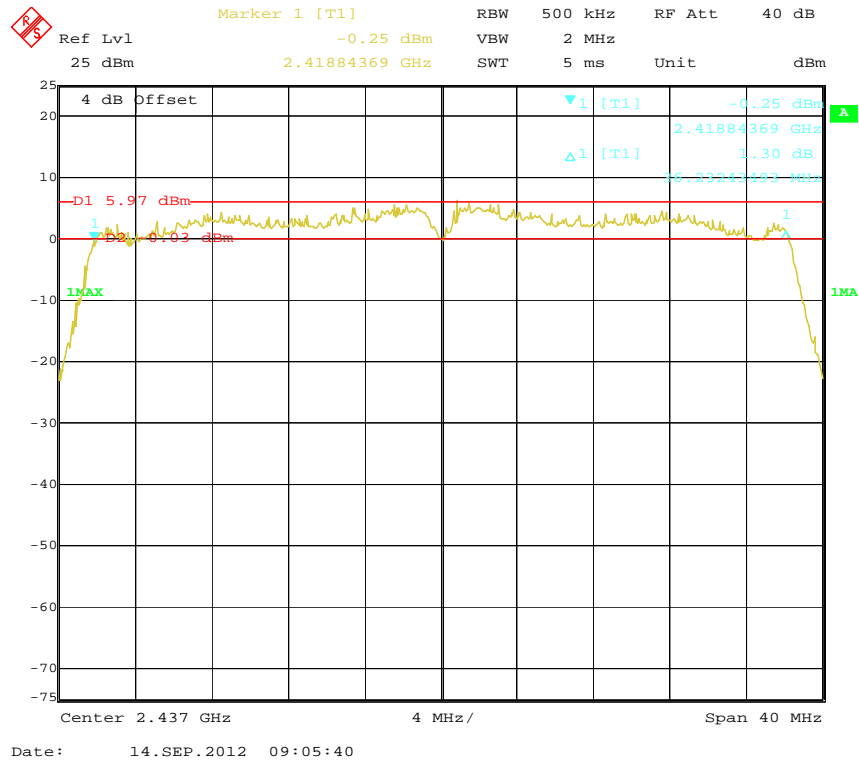
802.11n-HT20 High Channel



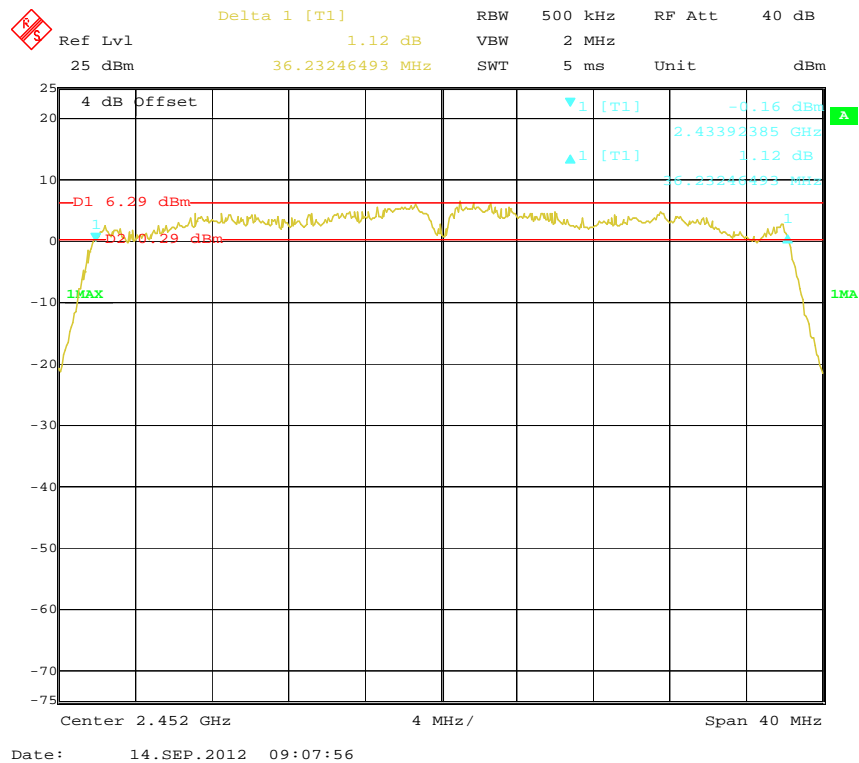
802.11n-HT40 Low Channel



802.11n-HT40 Middle Channel



802.11n-HT40 High Channel



FCC §15.247(b) (3) - MAXIMUM PEAK OUTPUT POWER

Applicable Standard

According to §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

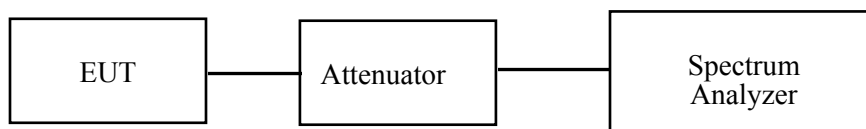
Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2011-11-24 | 2012-11-23 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to an EMI Test Receiver.
3. Add a correction factor to the display.



Test Data

Environmental Conditions

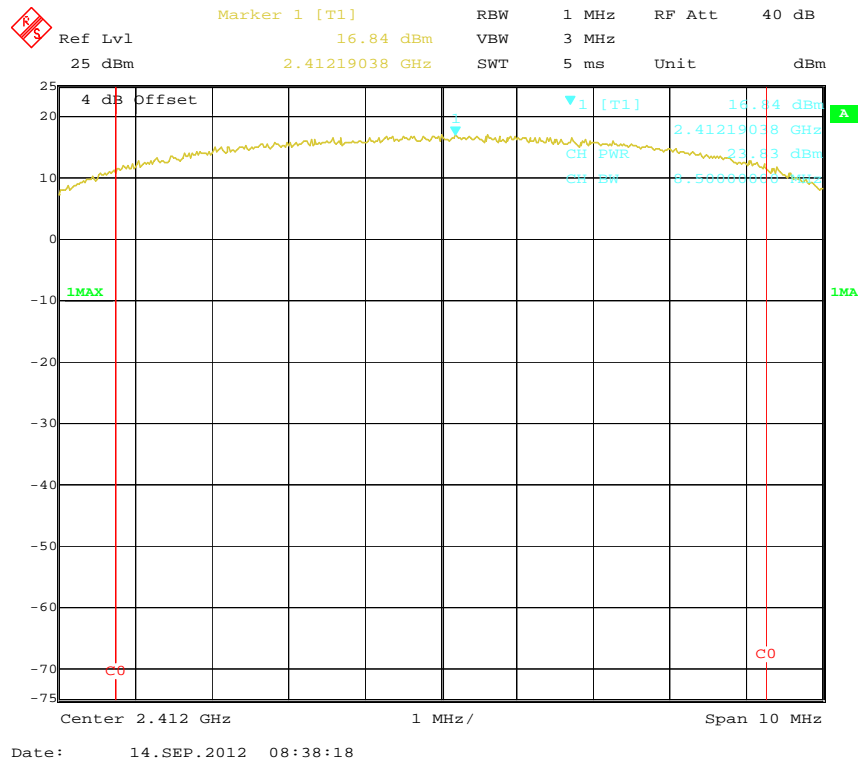
| | |
|--------------------|-----------|
| Temperature: | 25 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Tiger Ye on 2012-09-14.

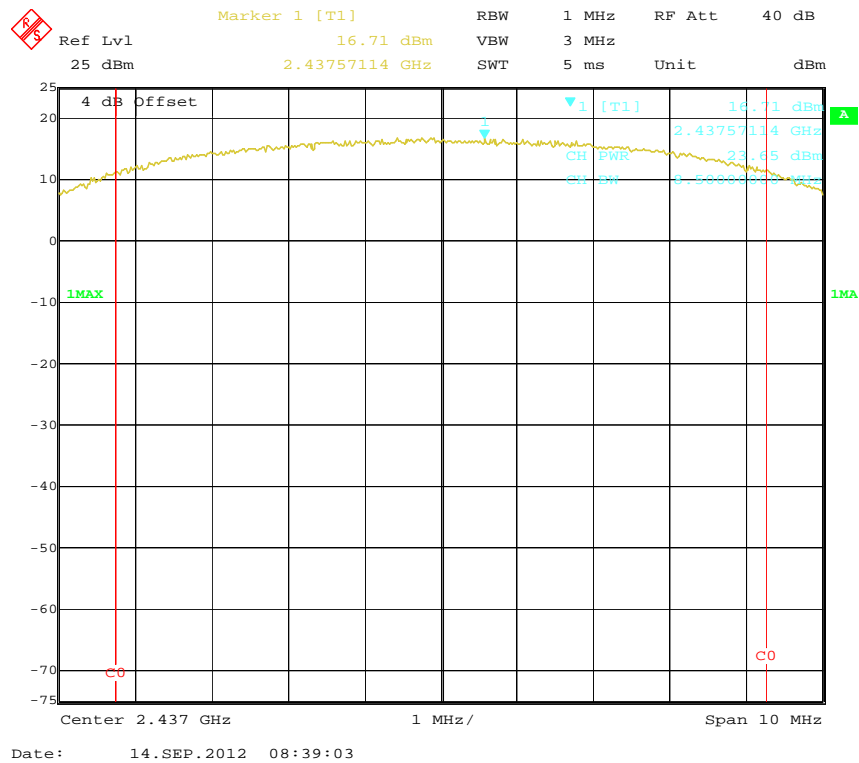
Test Mode: Transmitting

| Channel | Frequency (MHz) | Data Rate (Mbps) | Output Power (dBm) | Limit (dBm) | Result |
|-------------------|-----------------|------------------|--------------------|-------------|--------|
| 802.11b mode | | | | | |
| Low | 2412 | 1 | 23.83 | 30 | Pass |
| Middle | 2437 | 1 | 23.65 | 30 | Pass |
| High | 2462 | 1 | 24.07 | 30 | Pass |
| 802.11g mode | | | | | |
| Low | 2412 | 6 | 23.34 | 30 | Pass |
| Middle | 2437 | 6 | 23.39 | 30 | Pass |
| High | 2462 | 6 | 23.89 | 30 | Pass |
| 802.11n-HT20 mode | | | | | |
| Low | 2412 | 6.5 | 23.24 | 30 | Pass |
| Middle | 2437 | 6.5 | 24.51 | 30 | Pass |
| High | 2462 | 6.5 | 23.71 | 30 | Pass |
| 802.11n-HT40 mode | | | | | |
| Low | 2422 | 13.5 | 21.18 | 30 | Pass |
| Middle | 2437 | 13.5 | 21.31 | 30 | Pass |
| High | 2452 | 13.5 | 21.43 | 30 | Pass |

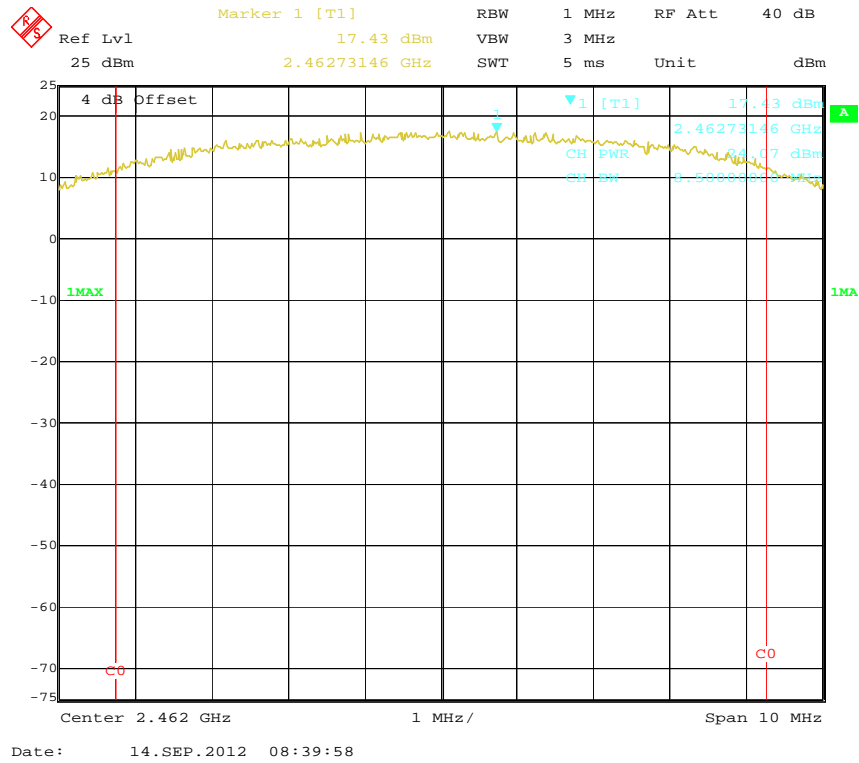
802.11b RF Output Power, Low Channel



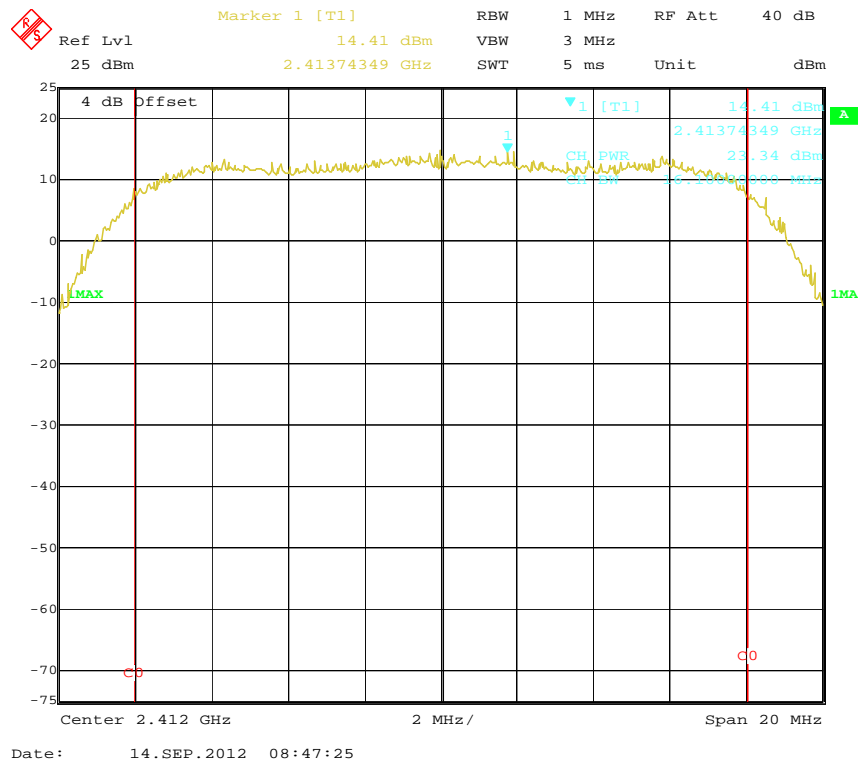
802.11b RF Output Power, Middle Channel



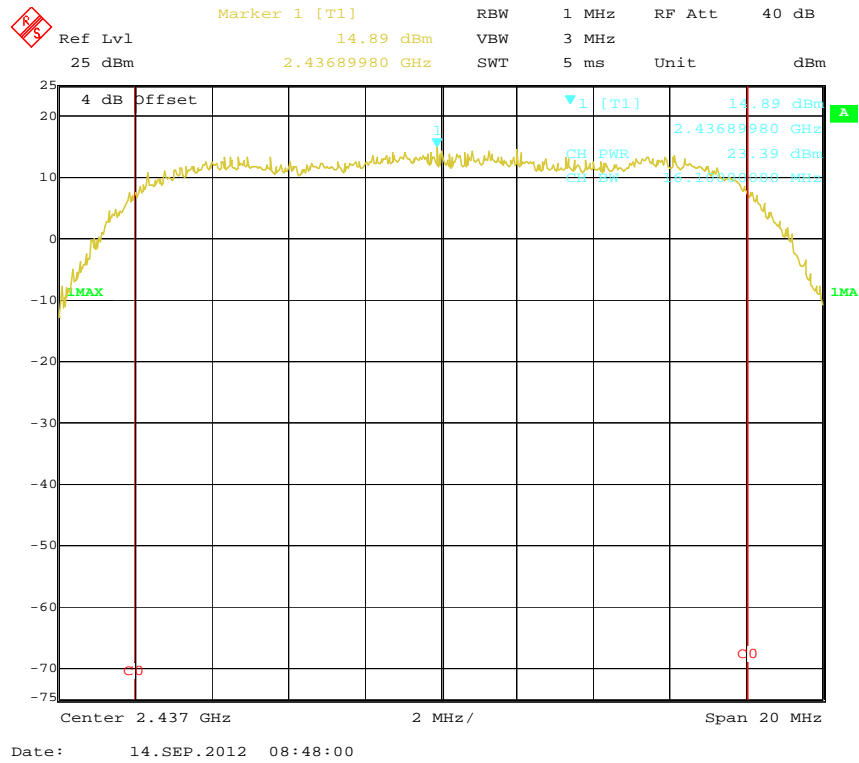
802.11b RF Output Power, High Channel



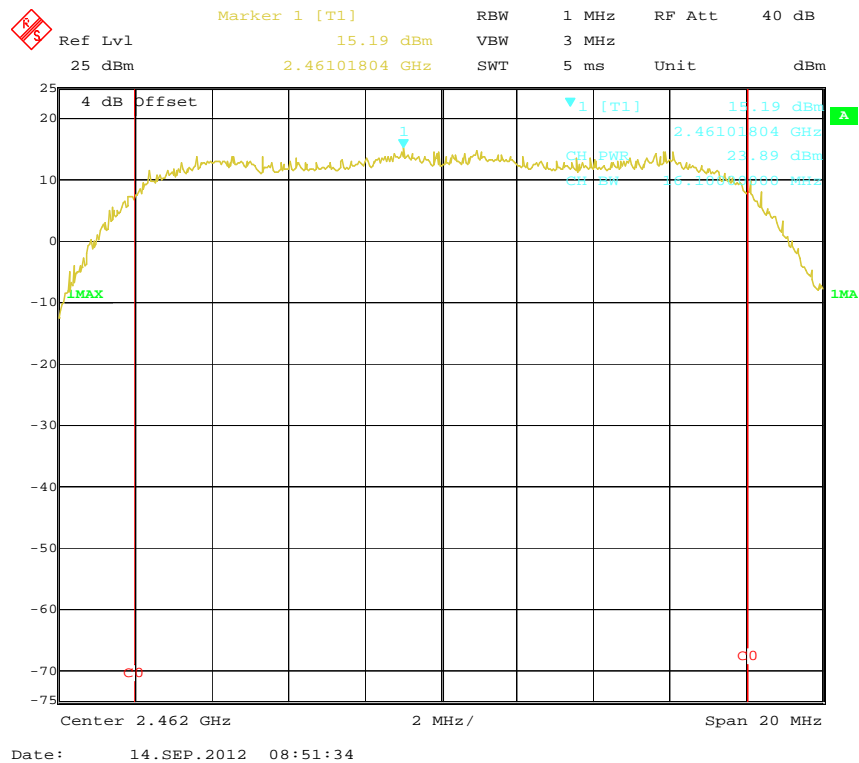
802.11g RF Output Power, Low Channel



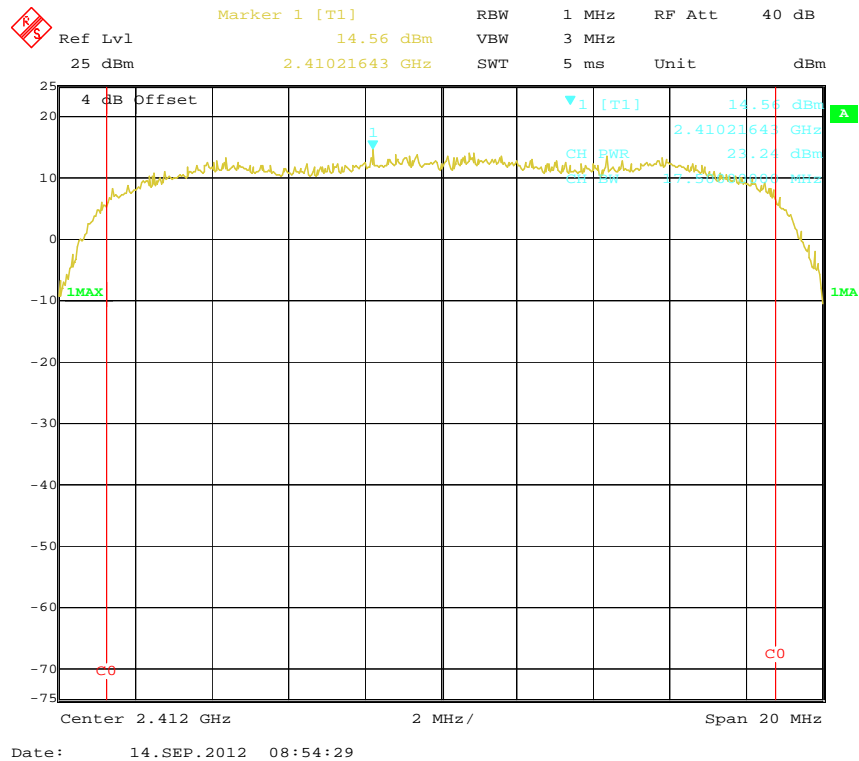
802.11g RF Output Power, Middle Channel



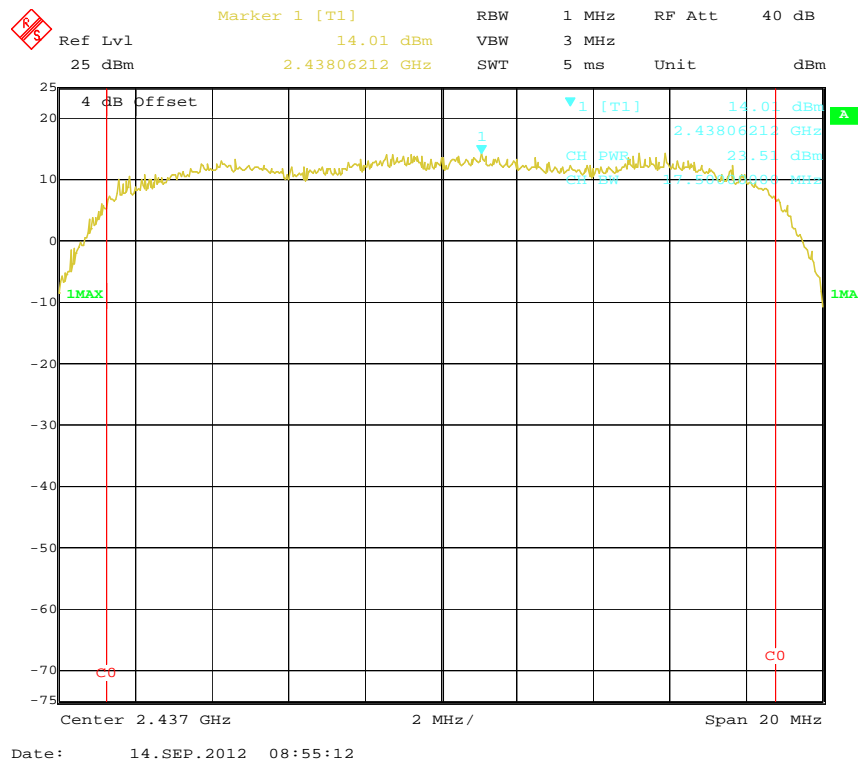
802.11g RF Output Power, High Channel



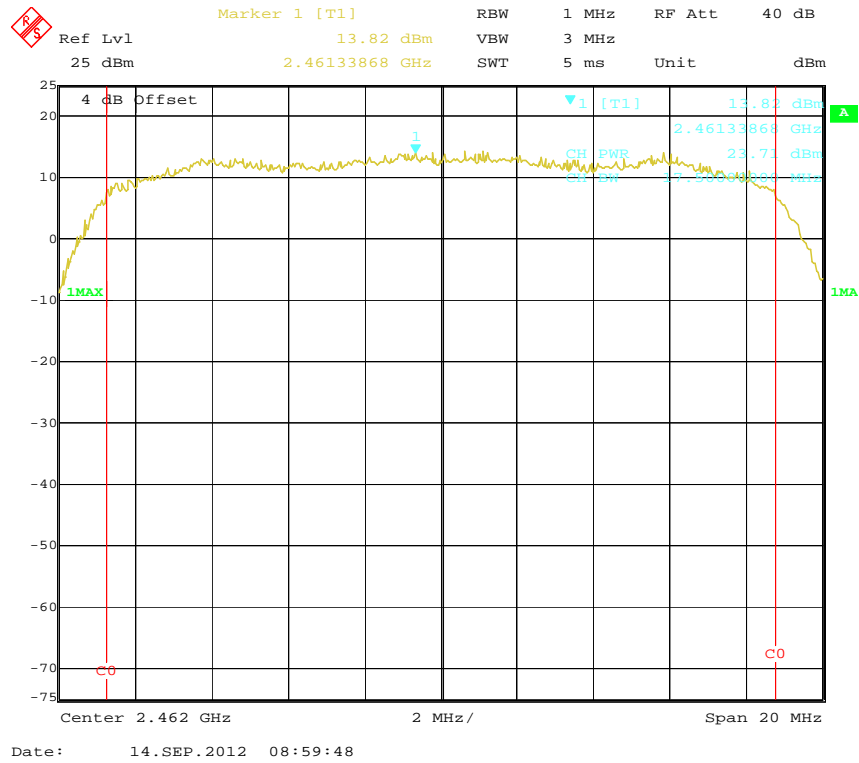
802.11n-HT20 RF Output Power, Low Channel



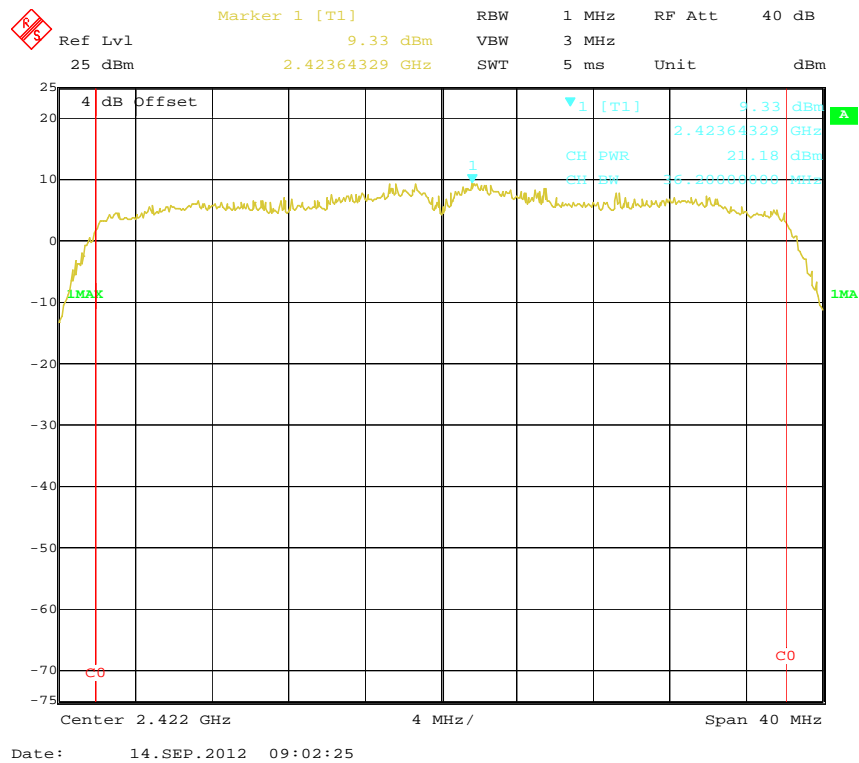
802.11n-HT20 RF Output Power, Middle Channel



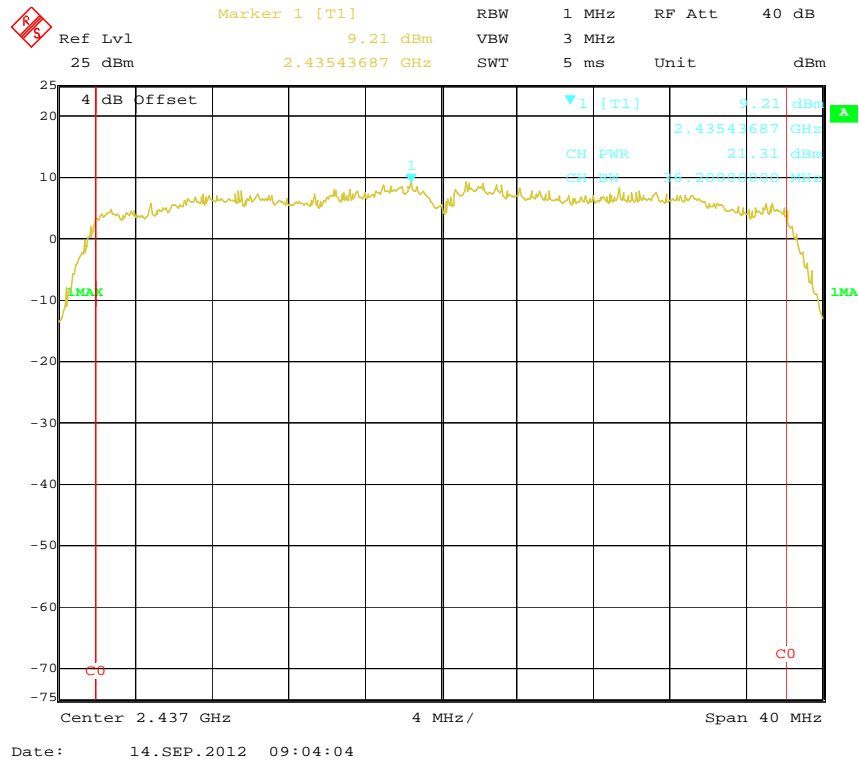
802.11n-HT20 RF Output Power, High Channel



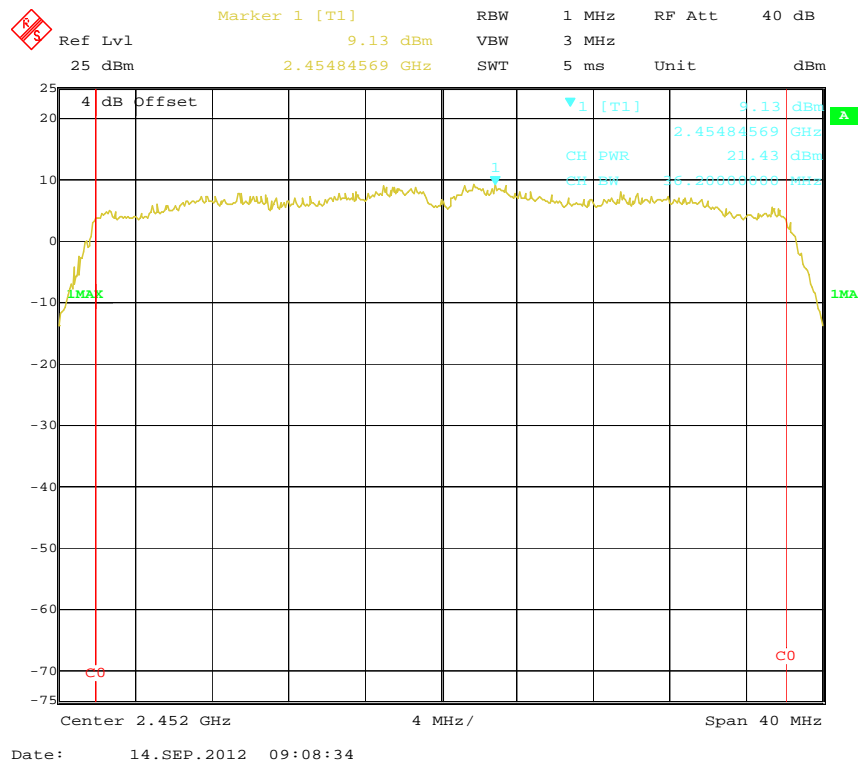
802.11n-HT40 RF Output Power, Low Channel



802.11n-HT40 RF Output Power, Middle Channel



802.11n-HT40 RF Output Power, High Channel



FCC §15.247(d) – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. 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)).

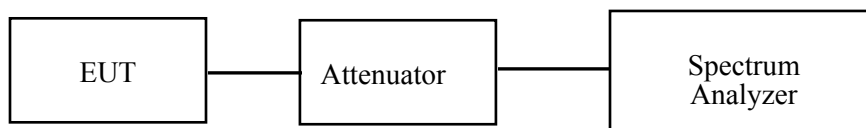
Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2011-11-24 | 2012-11-23 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
4. Repeat above procedures until all measured frequencies were complete.



Test Data

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 25~26 °C |
| Relative Humidity: | 54~56 % |
| ATM Pressure: | 100.0 kPa |

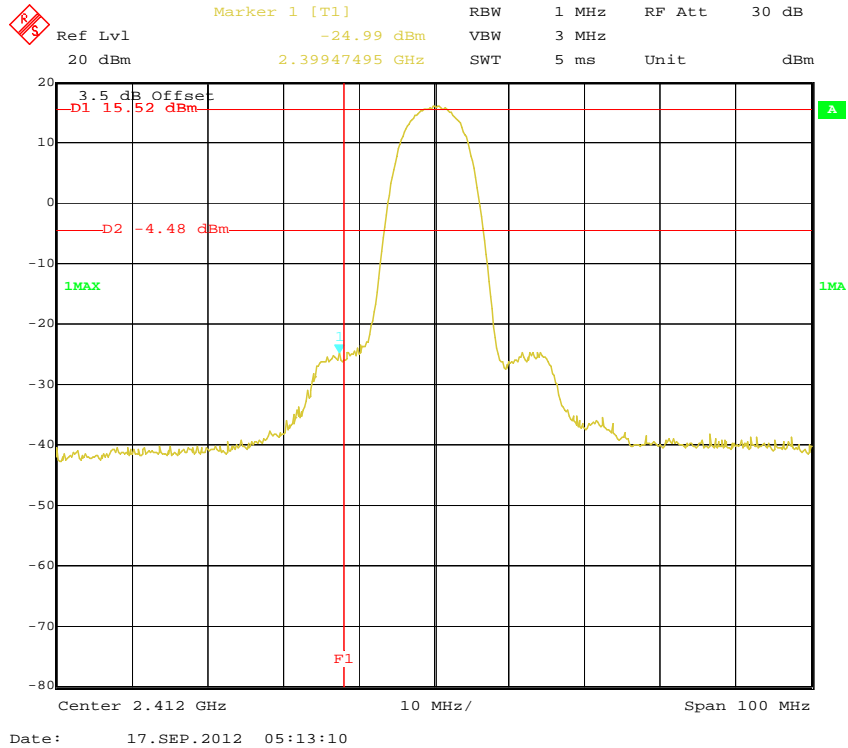
The testing was performed by Tiger Ye on 2012-06-30 and 2012-07-02.

Test Result: *Compliance.*

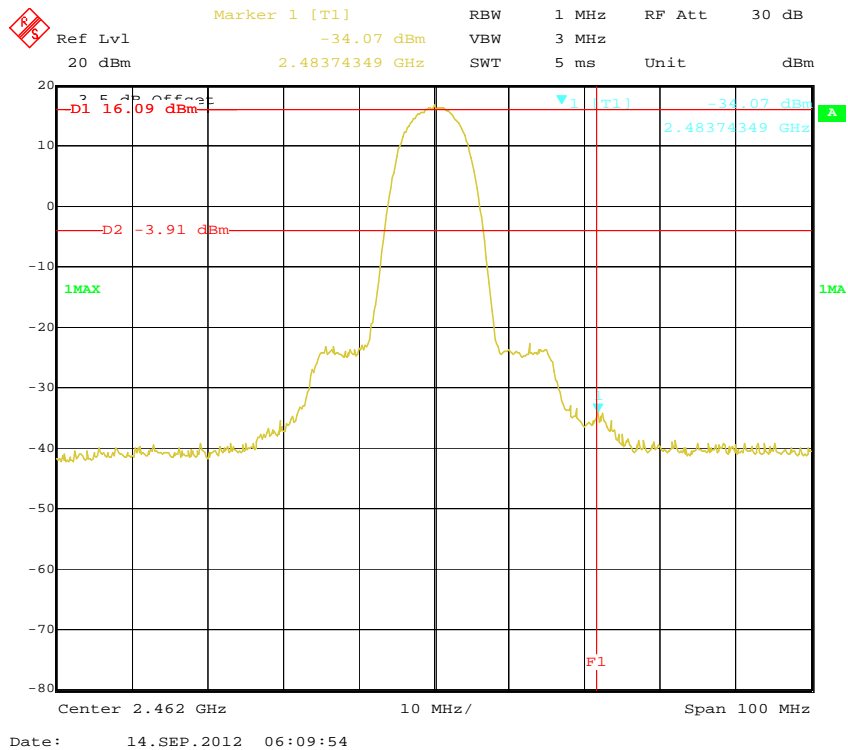
Please refer to following table and plots:

| Band edge | Delta Peak to Band Emission (dBc) | Delta Limit (dBc) | Result |
|-------------------|-----------------------------------|-------------------|--------|
| 802.11b mode | | | |
| Left side | 40.51 | 20 | Pass |
| Right side | 50.16 | 20 | Pass |
| 802.11g mode | | | |
| Left side | 27.54 | 20 | Pass |
| Right side | 36.19 | 20 | Pass |
| 802.11n-HT20 mode | | | |
| Left side | 31.05 | 20 | Pass |
| Right side | 33.74 | 20 | Pass |
| 802.11n-HT40 mode | | | |
| Left side | 31.62 | 20 | Pass |
| Right side | 34.25 | 20 | Pass |

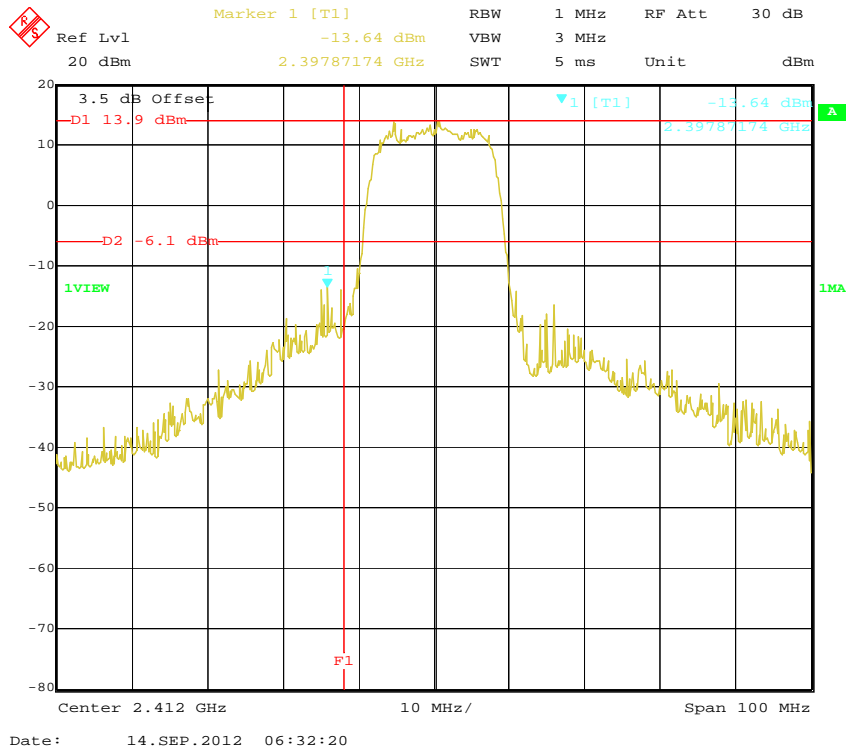
802.11b Band Edge, Left Side



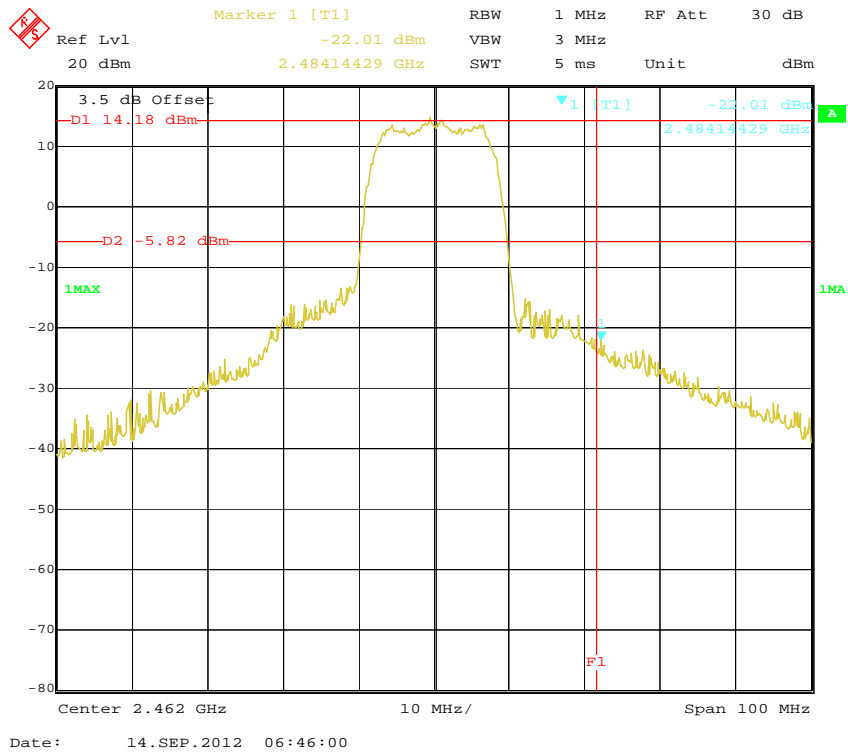
802.11b Band Edge, Right Side



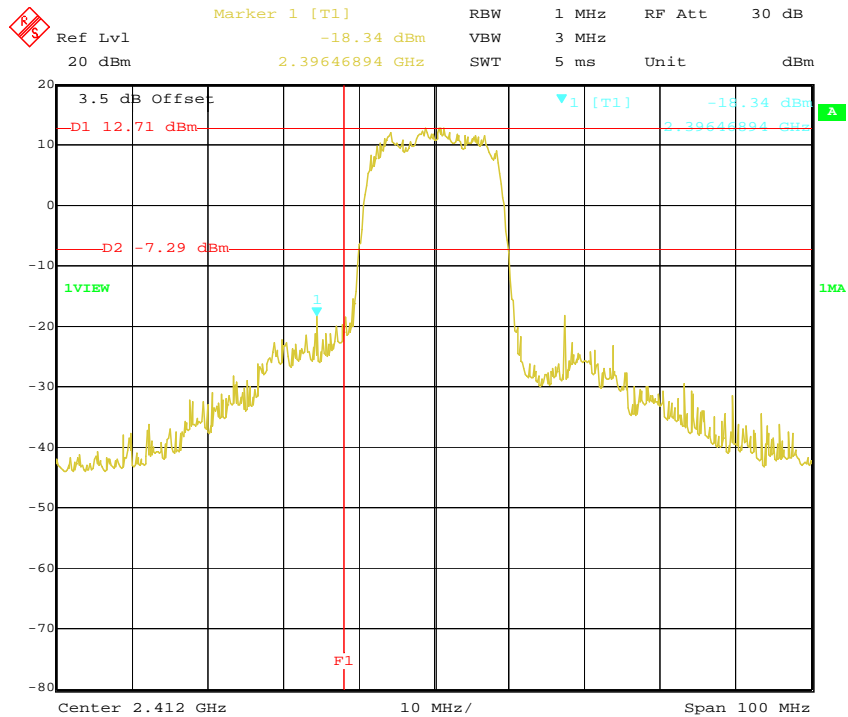
802.11g Band Edge, Left Side



802.11g Band Edge, Right Side

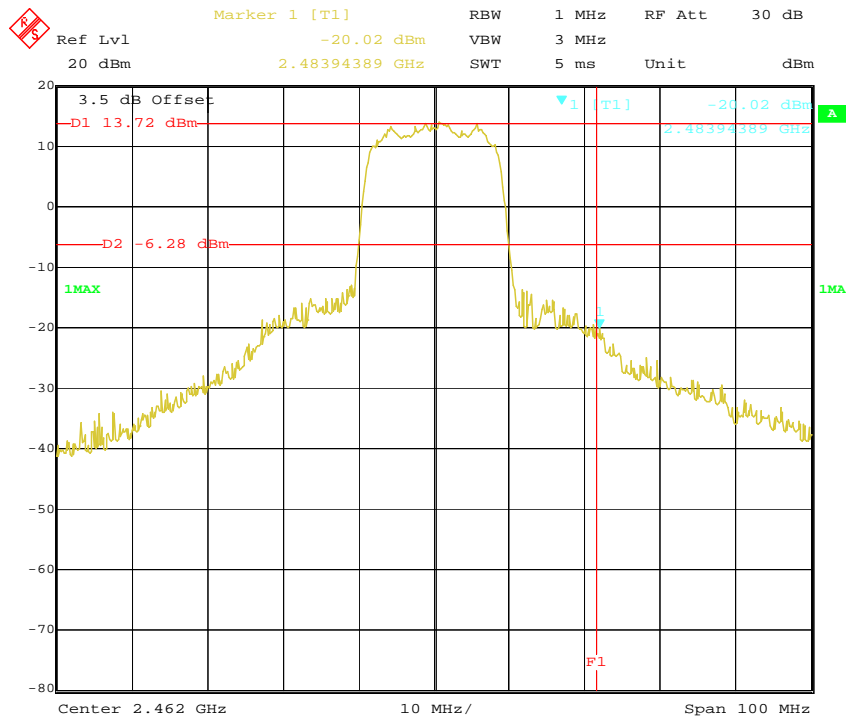


802.11n-HT20 Band Edge, Left Side



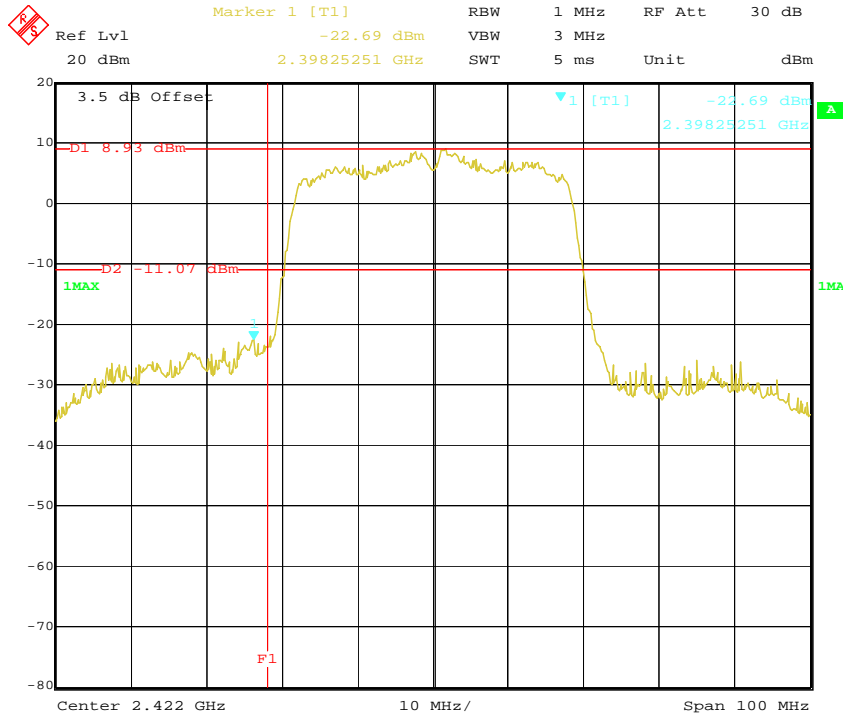
Date: 14.SEP.2012 11:12:38

802.11n-HT20 Band Edge, Right Side

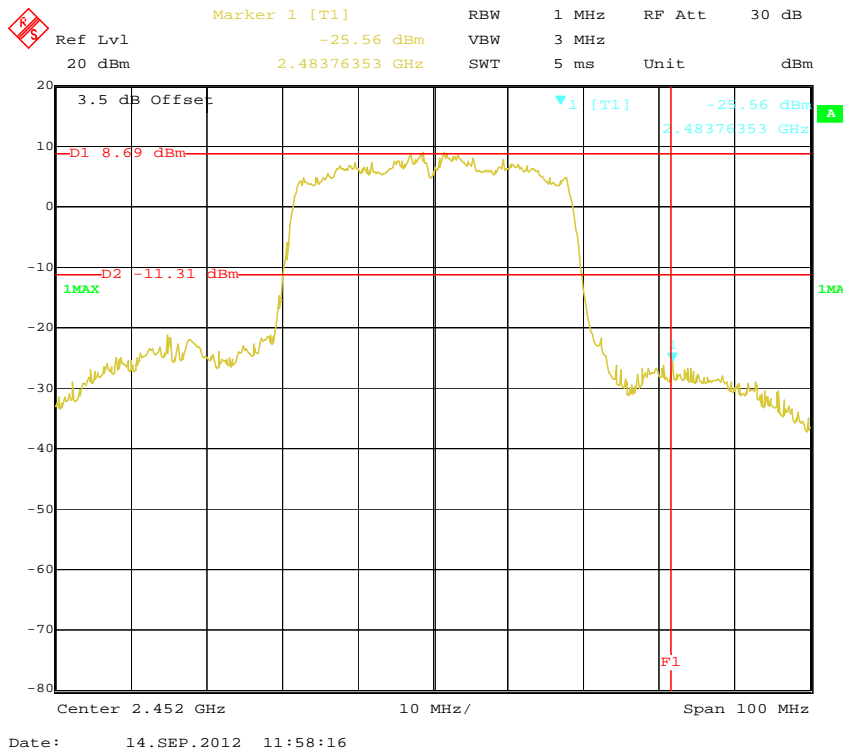


Date: 14.SEP.2012 11:29:47

802.11n-HT40 Band Edge, Left Side



802.11n-HT40 Band Edge, Right Side



FCC §15.247(e) - POWER SPECTRAL DENSITY

Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

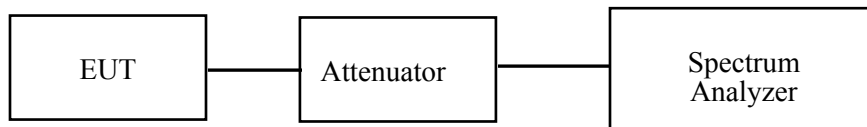
Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2011-11-24 | 2012-11-23 |

* **Statement of Traceability:** Bay Area Compliance Lab Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 100 kHz.
3. Set the VBW ≥ 300 kHz.
4. Set the span to 5-30 % greater than the EBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
10. Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(3\text{ kHz}/100\text{ kHz} = -15.2\text{ dB})$.
11. The resulting peak PSD level must be ≤ 8 dBm.



Test Data

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 25 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

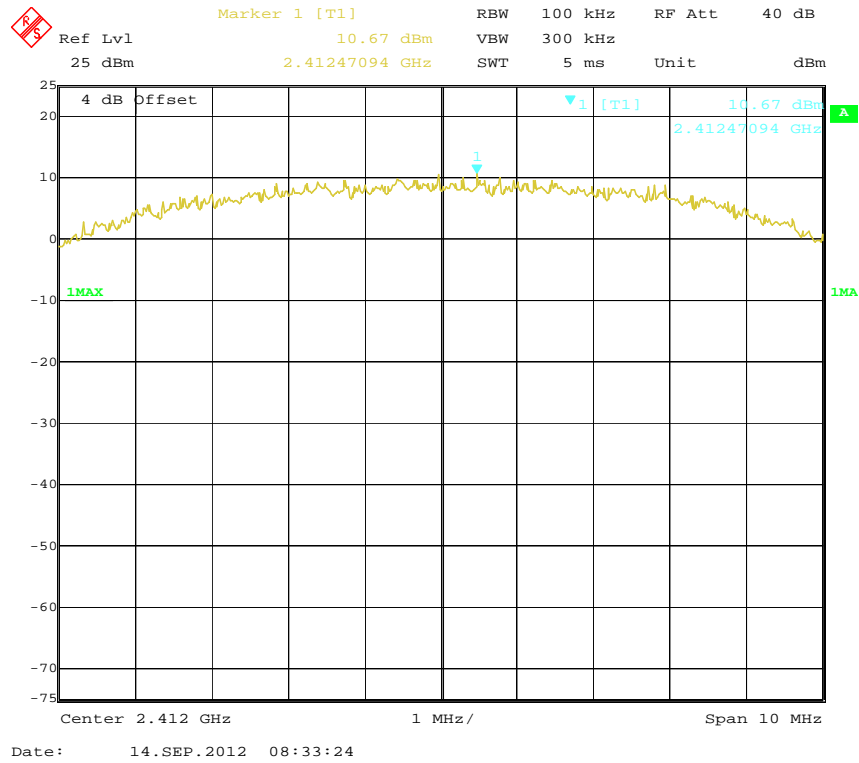
The testing was performed by Tiger Ye on 2012-09-14.

Test Mode: Transmitting

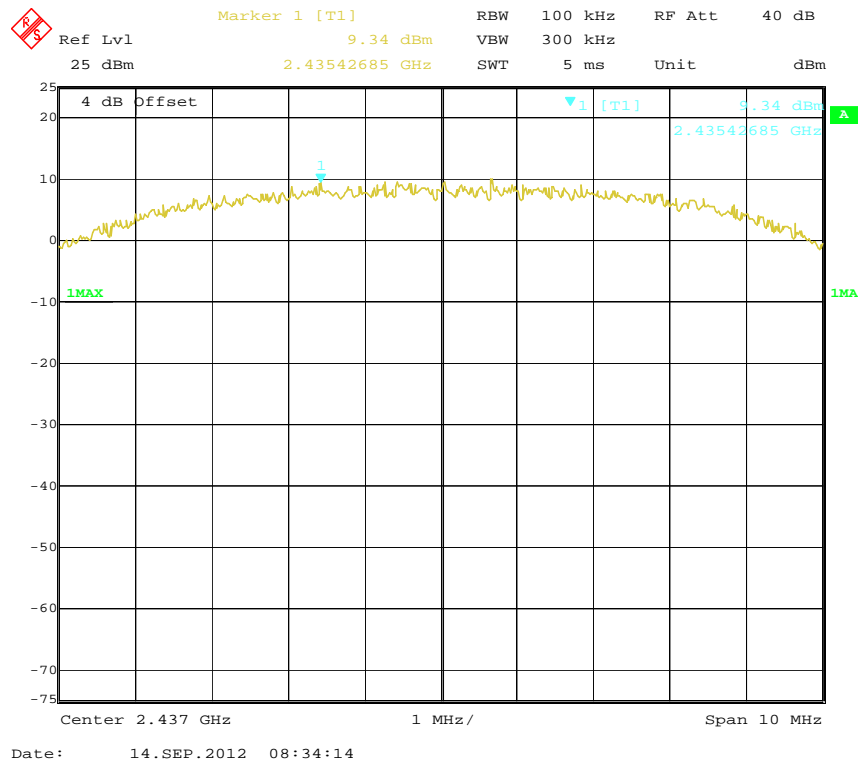
Test Result: Pass

| Channel | Frequency (MHz) | Data Rate (Mbps) | Power spectral density (dBm/100kHz) | BWCF (dB) | Power spectral density (dBm/3kHz) | Limit (dBm/3kHz) |
|--------------|-----------------|------------------|-------------------------------------|-----------|-----------------------------------|------------------|
| 802.11b | | | | | | |
| Low | 2412 | 1 | 10.67 | -15.2 | -4.53 | ≤8 |
| Middle | 2437 | 1 | 9.34 | -15.2 | -5.86 | ≤8 |
| High | 2462 | 1 | 9.38 | -15.2 | -5.82 | ≤8 |
| 802.11g | | | | | | |
| Low | 2412 | 6 | 4.56 | -15.2 | -10.64 | ≤8 |
| Middle | 2437 | 6 | 4.82 | -15.2 | -10.38 | ≤8 |
| High | 2462 | 6 | 5.03 | -15.2 | -10.17 | ≤8 |
| 802.11n-HT20 | | | | | | |
| Low | 2412 | 6.5 | 4.48 | -15.2 | -10.72 | ≤8 |
| Middle | 2437 | 6.5 | 4.87 | -15.2 | -10.33 | ≤8 |
| High | 2462 | 6.5 | 4.72 | -15.2 | -10.48 | ≤8 |
| 802.11n-HT40 | | | | | | |
| Low | 2422 | 13.5 | -0.17 | -15.2 | -15.37 | ≤8 |
| Middle | 2437 | 13.5 | -0.18 | -15.2 | -15.38 | ≤8 |
| High | 2452 | 13.5 | -0.10 | -15.2 | -15.30 | ≤8 |

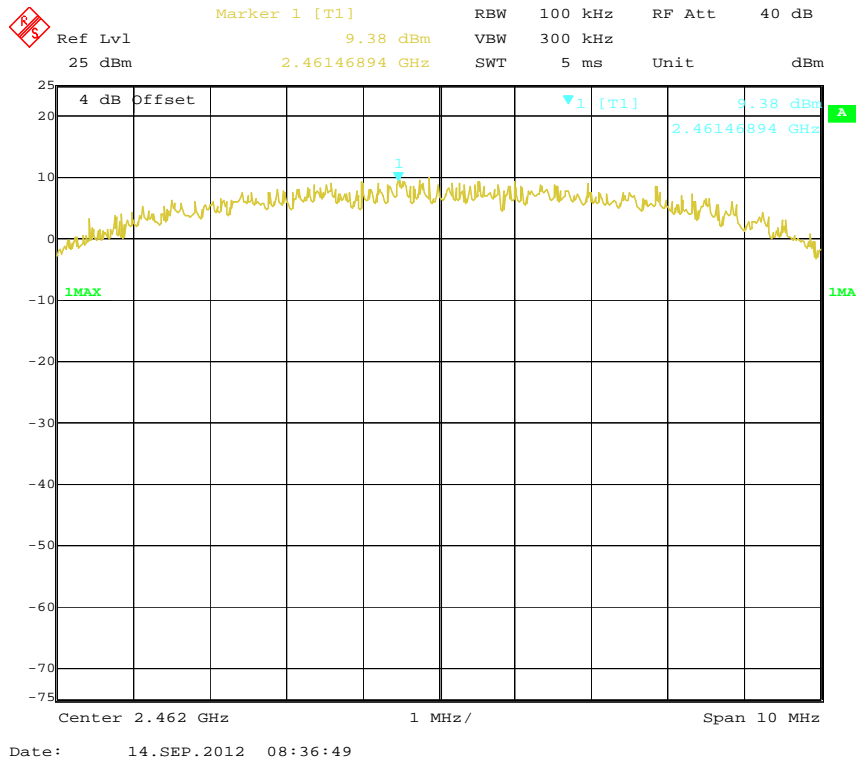
Power Spectral Density, 802.11b Low Channel



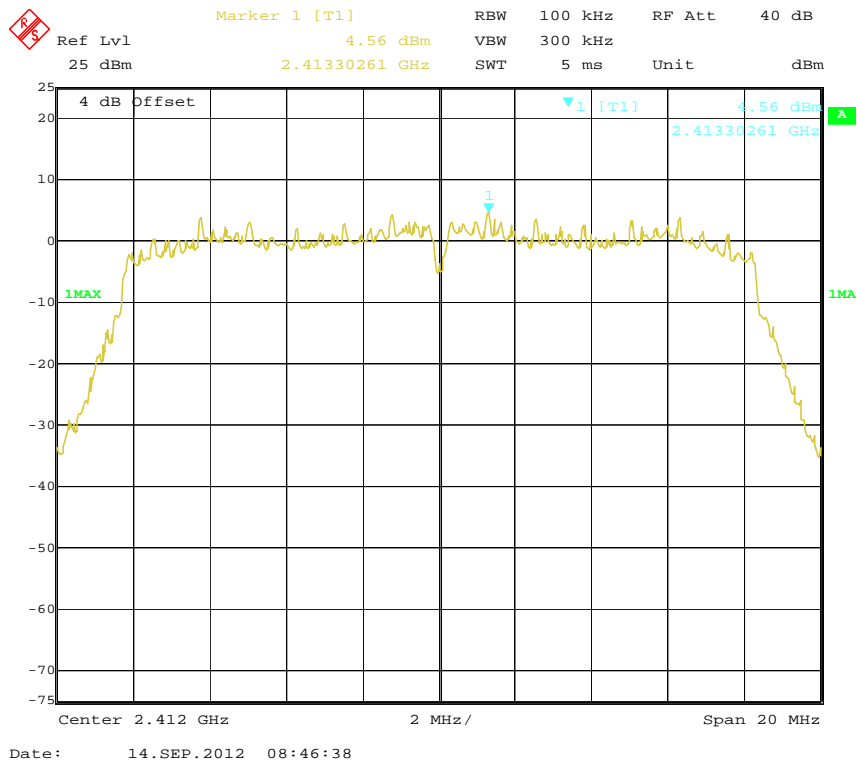
Power Spectral Density, 802.11b Middle Channel



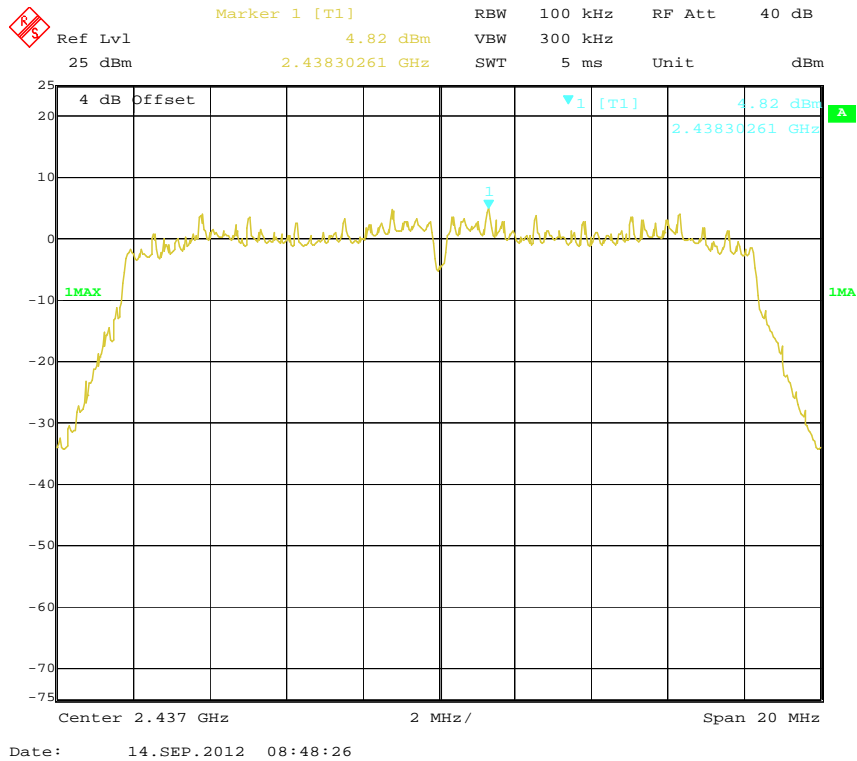
Power Spectral Density, 802.11b High Channel



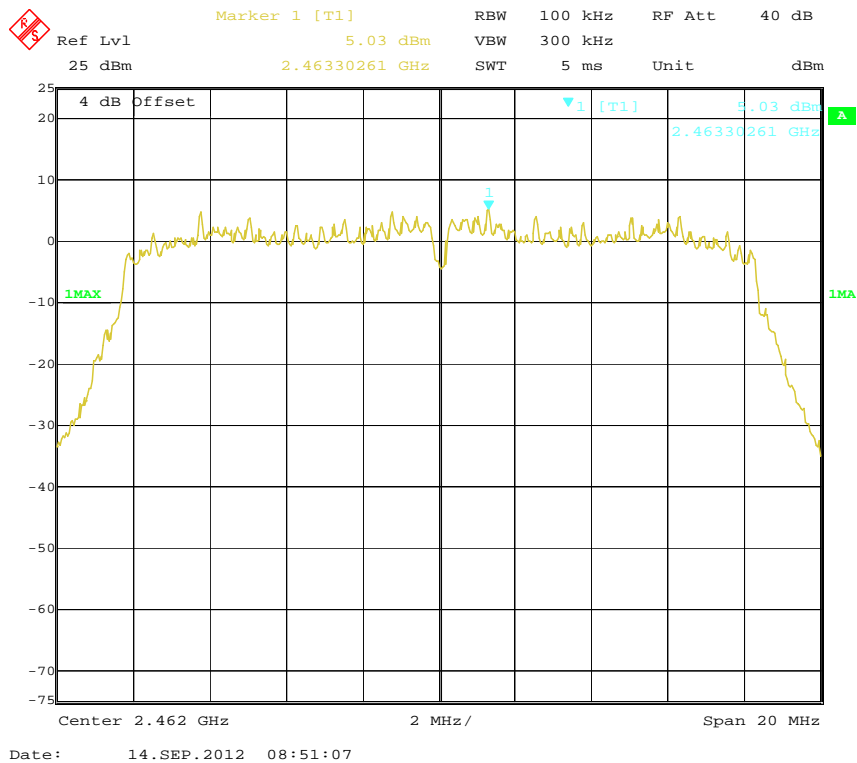
Power Spectral Density, 802.11g Low Channel



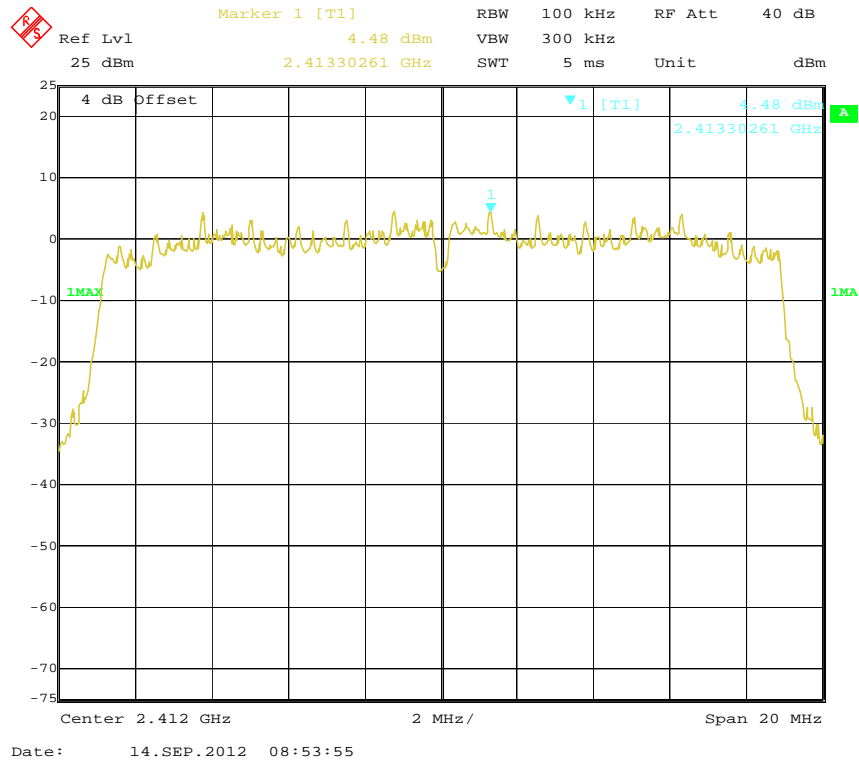
Power Spectral Density, 802.11g Middle Channel



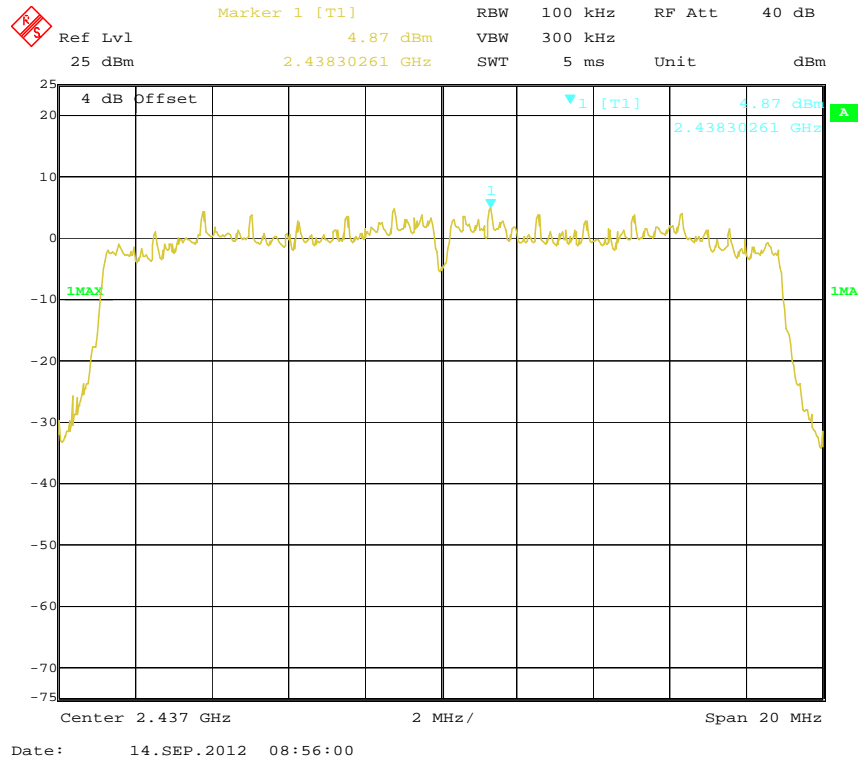
Power Spectral Density, 802.11g High Channel



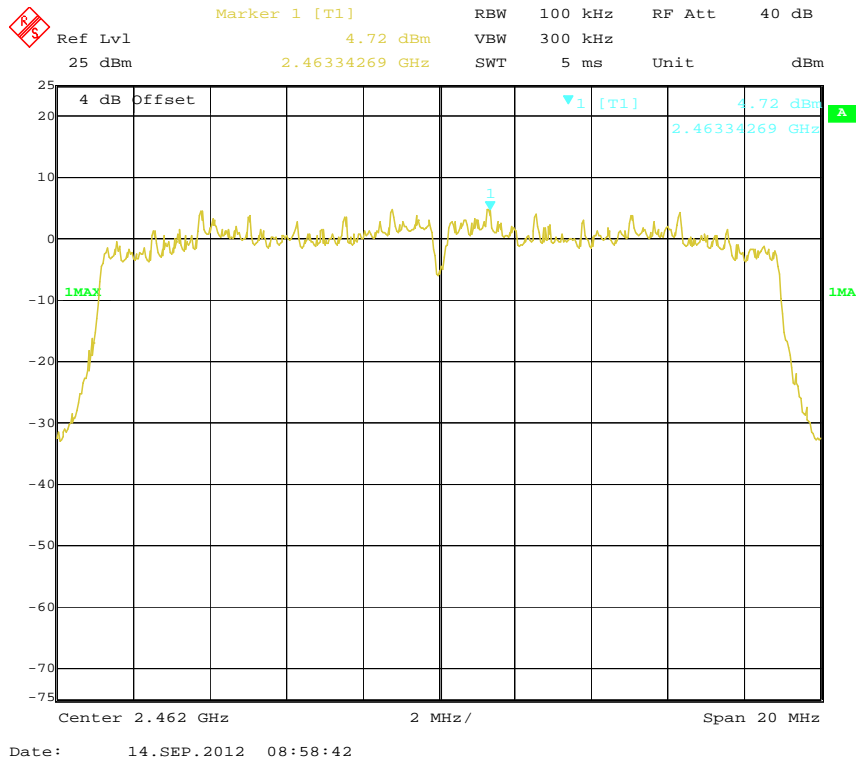
Power Spectral Density, 802.11n-HT20 Low Channel



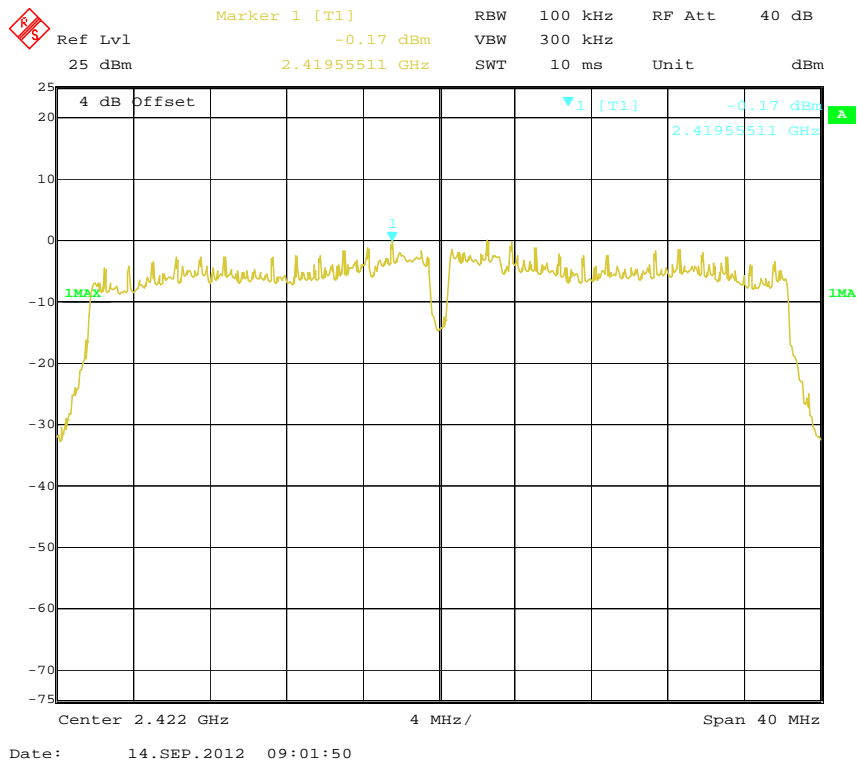
Power Spectral Density, 802.11n-HT20 Middle Channel



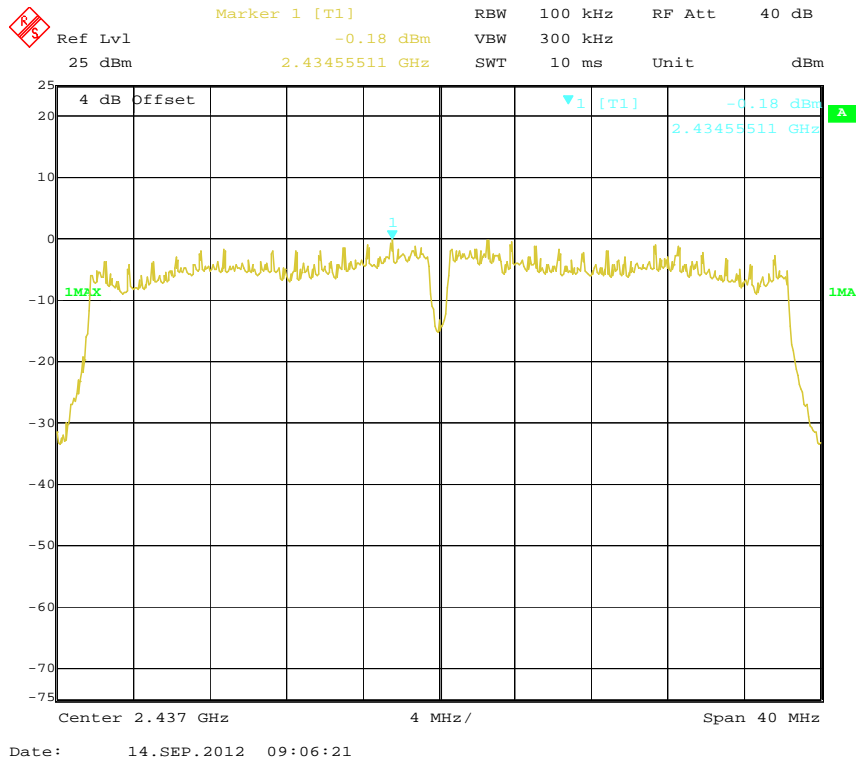
Power Spectral Density, 802.11n-HT20 High Channel



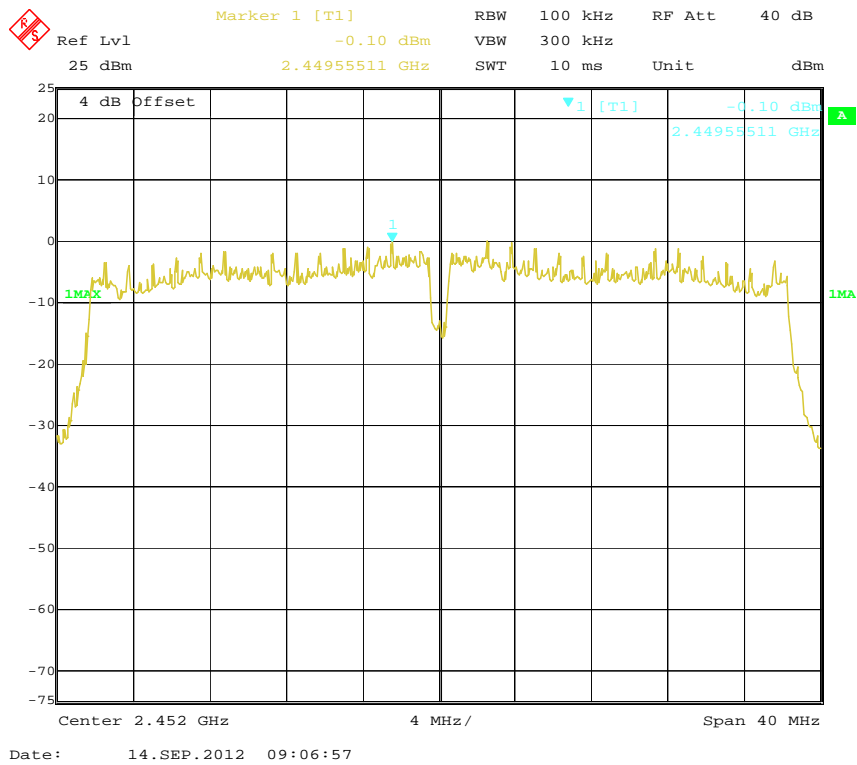
Power Spectral Density, 802.11n-HT40 Low Channel



Power Spectral Density, 802.11n-HT40 Middle Channel



Power Spectral Density, 802.11n-HT40 High Channel



***** END OF REPORT *****