



TESTING LABORATORY
CERTIFICATE #4820.01



FCC PART 15.247 TEST REPORT

For

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

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518052

FCC ID: V7TN301V5

| | |
|--|---|
| Report Type: Original Report | Product Name: Wireless N300 Easy Setup Router |
| Report Number: | RDG200608005-00A |
| Report Date: | 2020-06-23 |
| Reviewed By: | Ivan Cao  |
| Test Laboratory: | Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn |

TABLE OF CONTENTS

| | |
|---|-----------|
| GENERAL INFORMATION..... | 4 |
| PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)..... | 4 |
| OBJECTIVE..... | 4 |
| RELATED SUBMITTAL(S)/GRANT(S)..... | 4 |
| TEST METHODOLOGY..... | 4 |
| MEASUREMENT UNCERTAINTY..... | 5 |
| TEST FACILITY..... | 5 |
| DECLARATIONS..... | 5 |
| SYSTEM TEST CONFIGURATION..... | 6 |
| DESCRIPTION OF TEST CONFIGURATION..... | 6 |
| EUT EXERCISE SOFTWARE..... | 6 |
| EQUIPMENT MODIFICATIONS..... | 9 |
| LOCAL SUPPORT EQUIPMENT LIST AND DETAILS..... | 9 |
| SUPPORT CABLE LIST AND DETAILS..... | 9 |
| BLOCK DIAGRAM OF TEST SETUP..... | 10 |
| SUMMARY OF TEST RESULTS..... | 11 |
| FCC §15.247 (i) & §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)..... | 12 |
| APPLICABLE STANDARD..... | 12 |
| FCC §15.203 - ANTENNA REQUIREMENT..... | 13 |
| APPLICABLE STANDARD..... | 13 |
| ANTENNA CONNECTOR CONSTRUCTION..... | 13 |
| FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS..... | 14 |
| APPLICABLE STANDARD..... | 14 |
| EUT SETUP..... | 14 |
| EMI TEST RECEIVER SETUP..... | 14 |
| TEST PROCEDURE..... | 15 |
| CORRECTED AMPLITUDE & MARGIN CALCULATION..... | 15 |
| TEST EQUIPMENT LIST AND DETAILS..... | 15 |
| TEST DATA..... | 16 |
| FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS..... | 18 |
| APPLICABLE STANDARD..... | 18 |
| EUT SETUP..... | 18 |
| EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP..... | 19 |
| TEST PROCEDURE..... | 19 |
| CORRECTED AMPLITUDE & MARGIN CALCULATION..... | 19 |
| TEST EQUIPMENT LIST AND DETAILS..... | 20 |
| TEST DATA..... | 20 |
| FCC §15.247(a) (2)–6 dB EMISSION BANDWIDTH..... | 32 |
| APPLICABLE STANDARD..... | 32 |
| TEST PROCEDURE..... | 32 |
| TEST EQUIPMENT LIST AND DETAILS..... | 32 |
| TEST DATA..... | 32 |
| FCC §15.247(b) (3) - MAXIMUM PEAK CONDUCTED OUTPUT POWER..... | 40 |
| APPLICABLE STANDARD..... | 40 |
| TEST PROCEDURE..... | 40 |

TEST EQUIPMENT LIST AND DETAILS.....40
TEST DATA40

FCC §15.247(d)- 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE.....42

APPLICABLE STANDARD42
TEST PROCEDURE42
TEST EQUIPMENT LIST AND DETAILS.....42
TEST DATA43

FCC §15.247(e) - POWER SPECTRAL DENSITY52

APPLICABLE STANDARD52
TEST PROCEDURE52
TEST EQUIPMENT LIST AND DETAILS.....52
TEST DATA52

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

| | | |
|---|----------------|--|
| EUT Name: | | Wireless N300 Easy Setup Router |
| EUT Model: | | N301 |
| Operation Frequency: | | 2412-2462 MHz(802.11b/g/n ht20), 2422-2452 MHz(802.11n ht40) |
| Maximum Peak Output Power (Conducted): | | 23.26 dBm |
| Modulation Type: | | DSSS, OFDM |
| Adapter Information | Model: | BN049-A05009U |
| | Input: | 100-240V~ 50/60Hz 0.3A |
| | Output: | 9V-600mA |
| Rated Input Voltage: | | DC 9V from adapter |
| Serial Number: | | RDG200608005-RF-S1 |
| EUT Received Date: | | 2020.06.10 |
| EUT Received Status: | | Good |

Objective

This report is prepared on behalf of **SHENZHEN TENDA TECHNOLOGY CO.,LTD.** in accordance with Part 2, Subpart J, Part 15, Subparts A and C of the Federal Communications Commission's rules.

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

Related Submittal(s)/Grant(s)

No related submittal.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And 558074 D01 15.247 Meas Guidance v05r02.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Measurement Uncertainty

| Parameter | Measurement Uncertainty |
|-----------------------------------|---|
| Occupied Channel Bandwidth | ±5 % |
| RF output power, conducted | ±0.61dB |
| Power Spectral Density, conducted | ±0.61 dB |
| Unwanted Emissions, radiated | 30M~200MHz: 4.55 dB,200M~1GHz: 5.92 dB,1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB |
| Unwanted Emissions, conducted | ±1.5 dB |
| Temperature | ±1 °C |
| Humidity | ±5% |
| DC and low frequency voltages | ±0.4% |
| Duty Cycle | 1% |
| AC Power Lines Conducted Emission | 3.12 dB (150 kHz to 30 MHz) |

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “△”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in Engineering Mode, which was provided by the manufacturer.

For 2.4GHz band, total 11 channels are provided:

| 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 | / | / |

For 802.11b, 802.11g, and 802.11n ht20 modes were test with channel 1, 6, 11.

For 802.11n ht40 modes were test with channel 3, 6, 9. And additional channels were tested with bandedge per verified the output power in different power level.

The worst-case data rates are determined to be as follows for each mode based upon investigations by measuring the average power and PSD across all data rates bandwidths, and modulations. The device supports SISO in all modes, and MIMO in 802.11n modes, per pretest, 2TX mode was the worst mode and reported for 802.11n modes.

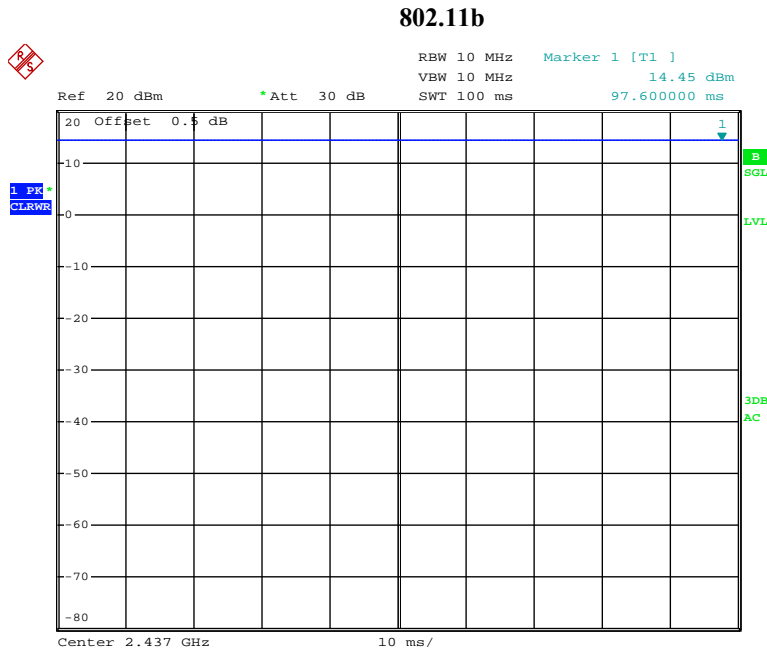
EUT Exercise Software

The software “cmd.exe” was used for testing, which was provided by manufacturer. The maximum power was configured as below table, that provided by the manufacturer:

| Mode | Frequency (MHz) | Data Rate | Power level Setting | |
|--------------|-----------------|-----------|---------------------|---------|
| | | | Chain 0 | Chain 1 |
| 802.11 b | 2412 | 1Mbps | 13 | 8 |
| | 2437 | 1Mbps | 15 | 9 |
| | 2462 | 1Mbps | 16 | 9 |
| 802.11 g | 2412 | 6Mbps | 16 | 13 |
| | 2437 | 6Mbps | 16 | 14 |
| | 2462 | 6Mbps | 16 | 14 |
| 802.11n ht20 | 2412 | MCS8 | 12 | 12 |
| | 2437 | MCS8 | 14 | 14 |
| | 2462 | MCS8 | 12 | 12 |
| 802.11n ht40 | 2422 | MCS8 | 9 | 9 |
| | 2427 | MCS8 | 10 | 10 |
| | 2432 | MCS8 | 11 | 11 |
| | 2437 | MCS8 | 15 | 15 |
| | 2442 | MCS8 | 12 | 12 |
| | 2447 | MCS8 | 10 | 10 |
| | 2452 | MCS8 | 9 | 9 |

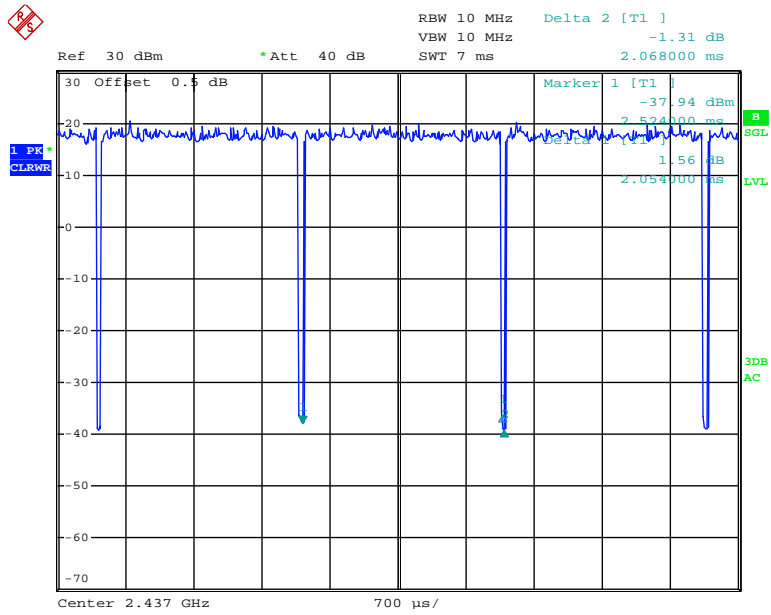
The maximum duty cycle as following table:

| Test mode | T _{on} (ms) | T _{on+off} (ms) | Duty Cycle (%) |
|--------------|-------------------------|-----------------------------|-------------------|
| 802.11b | 100 | 100 | 100 |
| 802.11g | 2.054 | 2.068 | 99.32 |
| 802.11n ht20 | 0.992 | 1.020 | 97.25 |
| 802.11n ht40 | 0.504 | 0.532 | 94.74 |



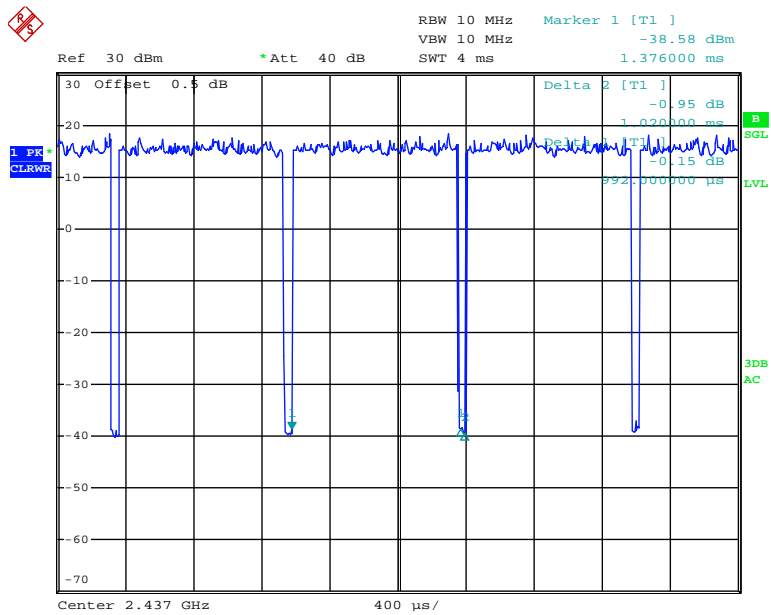
Date: 15.JUN.2020 16:05:05

802.11g



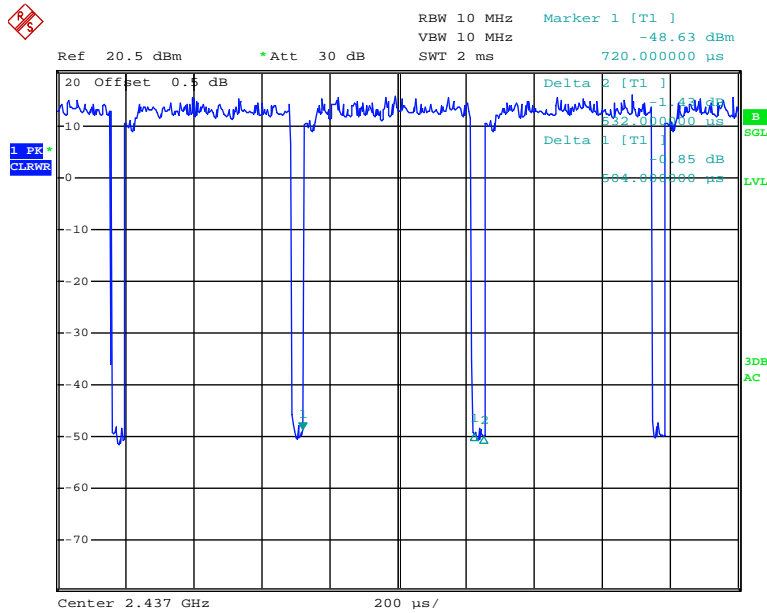
Date: 15.JUN.2020 16:12:49

802.11n ht20



Date: 15.JUN.2020 16:38:49

802.11n ht40



Date: 15.JUN.2020 16:30:40

Equipment Modifications

No modification was made to the EUT.

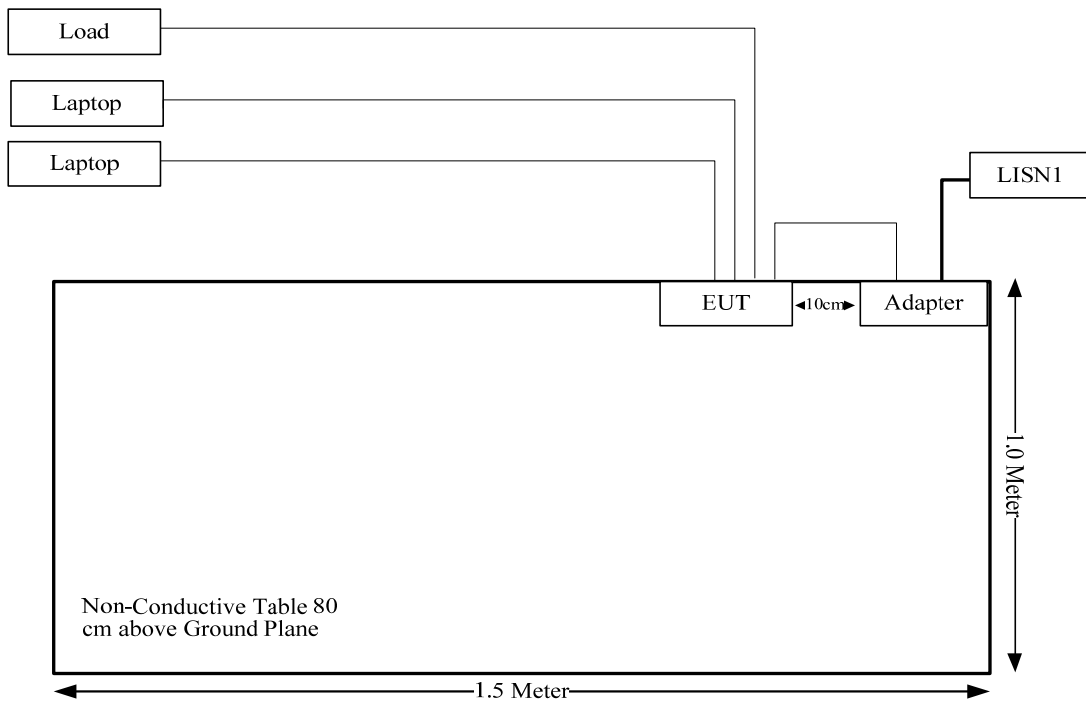
Local Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|-----------|---------------|
| DELL | Laptop | PP11L | QDS-BRCM1232 |
| DELL | Laptop | PP11L | QDS-BRCM1012 |
| Unknown | Load | RJ45 Load | 0078 |

Support Cable List and Details

| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port | To |
|-------------------|----------------|--------------|------------|-----------|--------|
| Adapter Cable | No | No | 1.2 | Adapter | EUT |
| RJ45 Cable | Yes | No | 1.0 | EUT | Laptop |
| RJ45 Cable | Yes | No | 10 | EUT | Laptop |
| RJ45 Cable*2 | Yes | No | 10 | EUT | Load |

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|-------------------------------------|--|---------------|
| FCC §15.247 (i) & §1.1310 & §2.1091 | Maximum Permissible Exposure (MPE) | Compliance |
| §15.203 | Antenna Requirement | Compliance |
| §15.207 (a) | AC Line Conducted Emissions | Compliance |
| §15.205, §15.209, §15.247(d) | Spurious Emissions | Compliance |
| §15.247 (a)(2) | 6 dB Bandwidth | Compliance |
| §15.247(b)(3) | Maximum Conducted Output Power | Compliance |
| §15.247(d) | 100 kHz Bandwidth of Frequency Band Edge | Compliance |
| §15.247(e) | Power Spectral Density | Compliance |

FCC §15.247 (i) & §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247(i) and subpart §1.1310, 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.

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

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

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

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

Calculated Data:

| Mode | Frequency (MHz) | Antenna Gain | | Conducted output power including Tune-up Tolerance | | Evaluation Distance (cm) | Power Density (mW/cm²) | MPE Limit (mW/cm²) |
|-------------|------------------------|---------------------|------------------|---|-------------|---------------------------------|--|--------------------------------------|
| | | (dBi) | (numeric) | (dBm) | (mW) | | | |
| WLAN | 2412-2462 | 5 | 3.16 | 27 | 501.19 | 20.00 | 0.32 | 1.0 |

Result: The device meet 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.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Antenna Connector Construction

The EUT has 2 antenna for 2.4G WLAN. The antennas permanently attached to the unit, fulfill the requirement of this section. Please refer to the EUT photos and below information:

| Antenna | Antenna Type | input impedance (Ohm) | Antenna Gain /Frequency Range |
|----------------|---------------------|------------------------------|--------------------------------------|
| Chain 0 | Dipole | 50 | 5 dBi/2.4-2.5GHz |
| Chain 1 | Dipole | 50 | 5 dBi/2.4-2.5GHz |

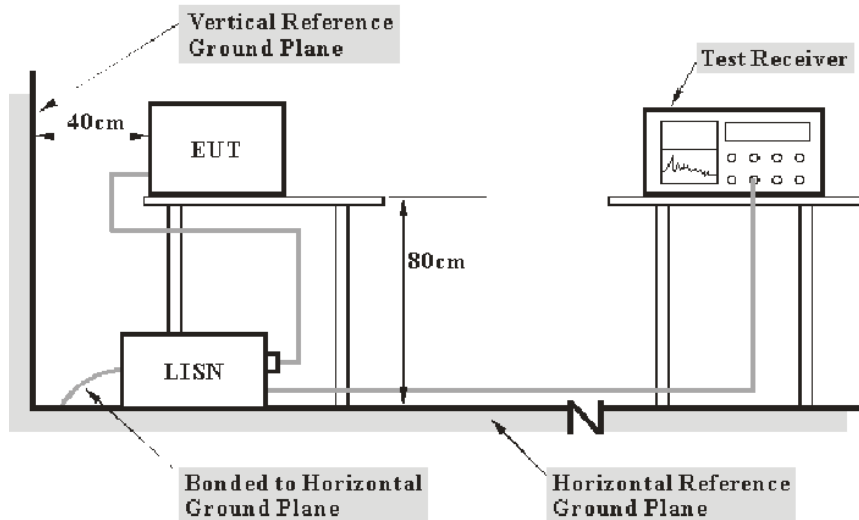
Result: Compliance.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207(a).

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 C63.10-2013 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 the main LISN with a 120 V/60 Hz AC 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:

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

Test Procedure

During the conducted emission test, the adapter was connected to the first LISN.

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

$$C_f = A_C + VDF$$

Herein,

V_C (cord. Reading): corrected voltage amplitude

V_R : reading voltage amplitude

A_C : attenuation caused by cable loss

VDF: voltage division factor of AMN

C_f : Correction Factor

The “**Margin**” column of the following data tables indicates the degree of compliance within 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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|-----------|---------------|------------------|----------------------|
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0200-01 | 2019-09-05 | 2020-09-05 |
| R&S | Test Software | EMC32 | Version8.53.0 | N/A | N/A |
| R&S | LISN | ENV 216 | 101614 | 2019-09-12 | 2020-09-12 |
| R&S | EMI Test Receiver | ESCI | 101121 | 2020-05-09 | 2021-05-09 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

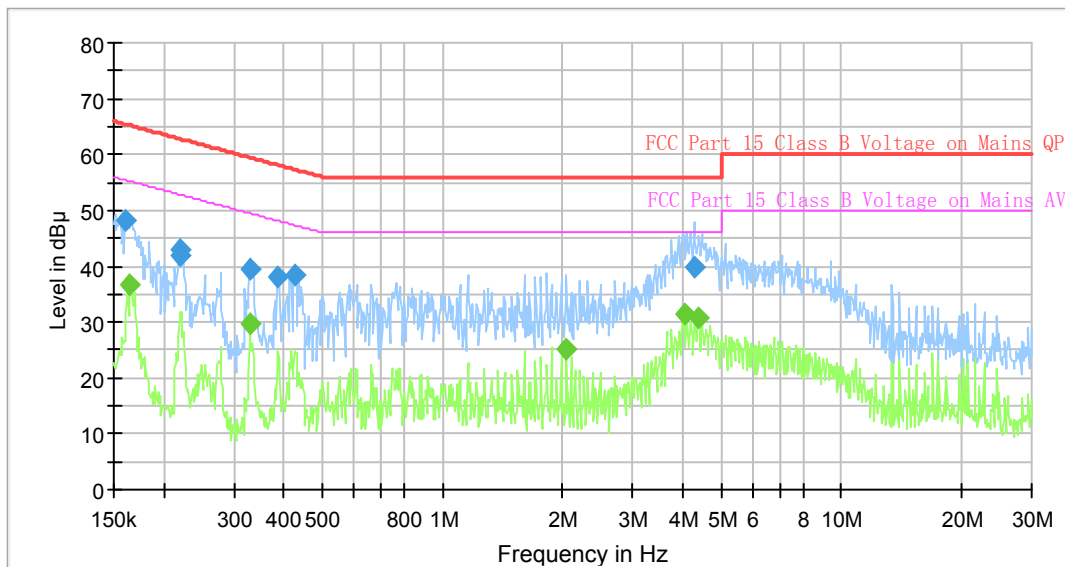
Test Data

Environmental Conditions

| | |
|---------------------------|------------|
| Temperature: | 27.4°C |
| Relative Humidity: | 65% |
| ATM Pressure: | 100.4kPa |
| Tester: | Barry Yang |
| Test Date: | 2020-06-16 |

Test Mode: Transmitting(802.11b mode chain 1 high channel was the worst)

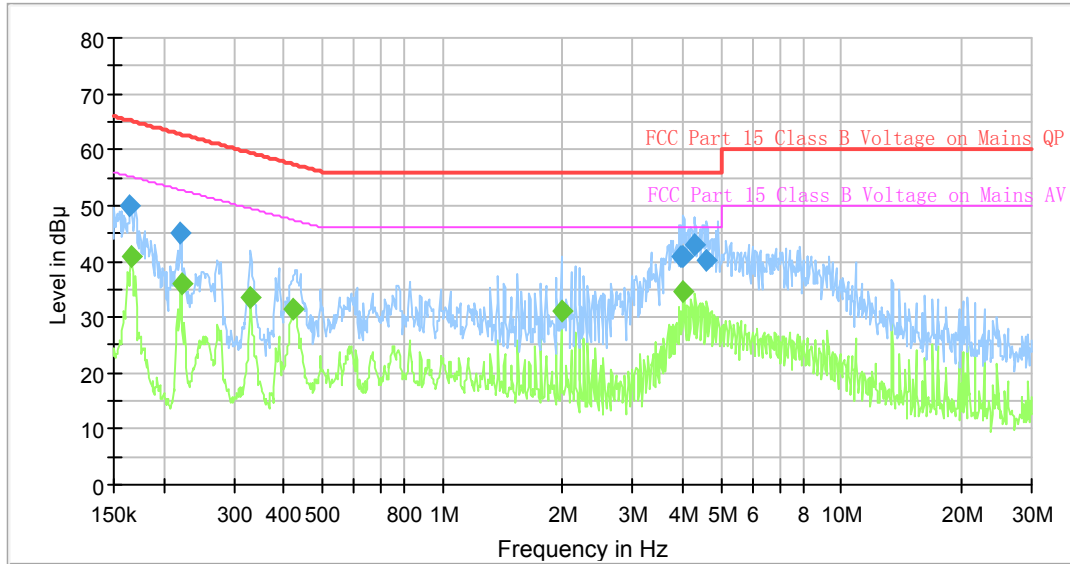
AC120 V, 60 Hz, Line:



Final Result

| Frequency (MHz) | QuasiPeak (dB μ V) | Average (dB μ V) | Limit (dB μ V) | Margin (dB) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|--------------------|------------------|----------------|-------------|-----------------|------|------------|
| 0.160048 | 48.25 | --- | 65.46 | 17.21 | 9.000 | L1 | 9.7 |
| 0.164910 | --- | 36.72 | 55.21 | 18.49 | 9.000 | L1 | 9.7 |
| 0.220231 | 42.90 | --- | 62.81 | 19.91 | 9.000 | L1 | 9.7 |
| 0.220231 | 42.06 | --- | 62.81 | 20.75 | 9.000 | L1 | 9.7 |
| 0.329860 | --- | 29.53 | 49.45 | 19.92 | 9.000 | L1 | 9.7 |
| 0.329860 | 39.49 | --- | 59.45 | 19.96 | 9.000 | L1 | 9.7 |
| 0.386939 | 38.23 | --- | 58.13 | 19.90 | 9.000 | L1 | 9.7 |
| 0.425401 | 38.40 | --- | 57.34 | 18.94 | 9.000 | L1 | 9.7 |
| 2.046952 | --- | 25.29 | 46.00 | 19.71 | 9.000 | L1 | 9.8 |
| 4.033592 | --- | 31.47 | 46.00 | 14.53 | 9.000 | L1 | 9.8 |
| 4.282376 | 39.92 | --- | 56.00 | 16.08 | 9.000 | L1 | 9.8 |
| 4.368668 | --- | 30.65 | 46.00 | 15.35 | 9.000 | L1 | 9.8 |

AC120 V, 60 Hz, Neutral:



Final Result

| Frequency (MHz) | QuasiPeak (dB µ V) | Average (dB µ V) | Limit (dB µ V) | Margin (dB) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|--------------------|------------------|----------------|-------------|-----------------|------|------------|
| 0.164089 | 50.11 | --- | 65.25 | 15.14 | 9.000 | N | 9.7 |
| 0.165734 | --- | 40.89 | 55.17 | 14.28 | 9.000 | N | 9.7 |
| 0.220231 | 45.06 | --- | 62.81 | 17.75 | 9.000 | N | 9.7 |
| 0.221332 | --- | 36.04 | 52.77 | 16.73 | 9.000 | N | 9.7 |
| 0.331509 | --- | 33.50 | 49.41 | 16.91 | 9.000 | N | 9.6 |
| 0.423284 | --- | 31.52 | 47.38 | 15.86 | 9.000 | N | 9.6 |
| 1.986604 | --- | 30.96 | 46.00 | 15.04 | 9.000 | N | 9.6 |
| 3.953919 | 40.78 | --- | 56.00 | 15.22 | 9.000 | N | 9.6 |
| 4.013525 | --- | 34.55 | 46.00 | 11.45 | 9.000 | N | 9.7 |
| 4.013525 | 40.92 | --- | 56.00 | 15.08 | 9.000 | N | 9.7 |
| 4.282376 | 42.86 | --- | 56.00 | 13.14 | 9.000 | N | 9.7 |
| 4.592082 | 40.01 | --- | 56.00 | 15.99 | 9.000 | N | 9.7 |

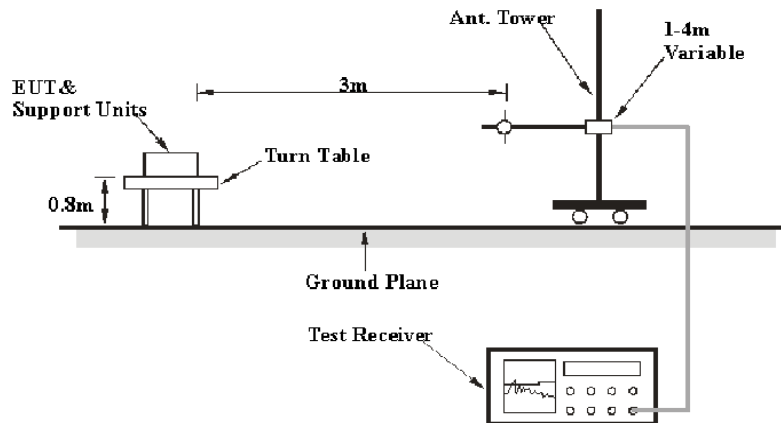
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

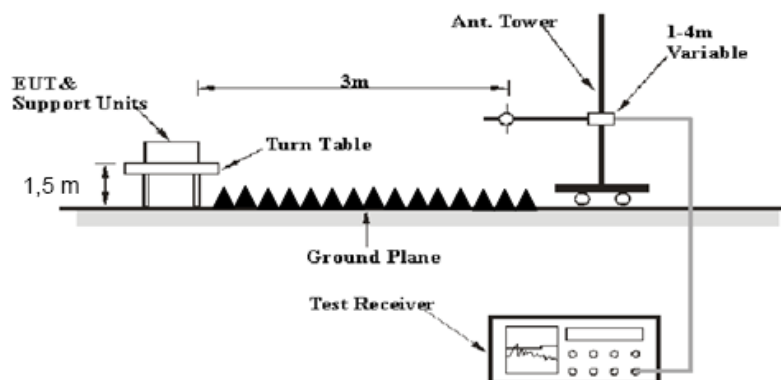
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission below 1GHz tests were performed in the 3 meters chamber test site A, above 1GHz tests were performed in the 3 meters chamber test site B, using the setup accordance with the ANSI C63.10-2013. 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.

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:

30MHz-1000MHz:

| Measurement | RBW | Video B/W | IF B/W |
|-------------|---------|-----------|--------|
| QP | 120 kHz | 300 kHz | 120kHz |

1GHz- 25GHz:

| Measurement | Duty cycle | RBW | Video B/W |
|-------------|------------|------|-----------|
| PK | Any | 1MHz | 3 MHz |
| AV | >98% | 1MHz | 10 Hz |
| | <98% | 1MHz | 1/T |

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Test Procedure

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, 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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-------------------|--------------------|--------------------|------------------|----------------------|
| Radiation Below 1GHz | | | | | |
| Sunol Sciences | Antenna | JB3 | A060611-1 | 2017-11-10 | 2020-11-10 |
| R&S | EMI Test Receiver | ESR3 | 102453 | 2019-09-12 | 2020-09-12 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0075-01 | 2019-09-05 | 2020-09-05 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0400-01 | 2019-09-05 | 2020-09-05 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-1400-01 | 2020-05-06 | 2021-05-06 |
| HP | Amplifier | 8447D | 2727A05902 | 2019-09-05 | 2020-09-05 |
| Farad | Test Software | EZ-EMC | V1.1.4.2 | N/A | N/A |
| Radiation Above 1GHz | | | | | |
| ETS-Lindgren | Horn Antenna | 3115 | 000 527 35 | 2018-10-12 | 2021-10-12 |
| Ducommun Technologies | Horn Antenna | ARH-4223-02 | 1007726-01 1304 | 2017-12-06 | 2020-12-05 |
| Agilent | Spectrum Analyzer | E4440A | SG43360054 | 2020-05-09 | 2021-05-09 |
| Unknown | Coaxial Cable | C-SJSJ-50 | C-0800-01 | 2019-09-05 | 2020-09-05 |
| Unknown | Coaxial Cable | C-2.4J2.4J-50 | C-0700-02 | 2019-06-27 | 2020-06-27 |
| Mini-Circuit | Amplifier | ZVA-213-S+ | 54201245 | 2019-09-05 | 2020-09-05 |
| Quinstar | Amplifier | QLW-18405536-JO | 15964001001 | 2019-06-27 | 2020-06-27 |
| E-Microwave | Band-stop Filters | OBSF-2400-2483.5-S | OE01601525 | 2020-06-16 | 2021-06-16 |
| Micro-tronics | High Pass Filter | HPM50111 | S/N-G217 | 2020-06-16 | 2021-06-16 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

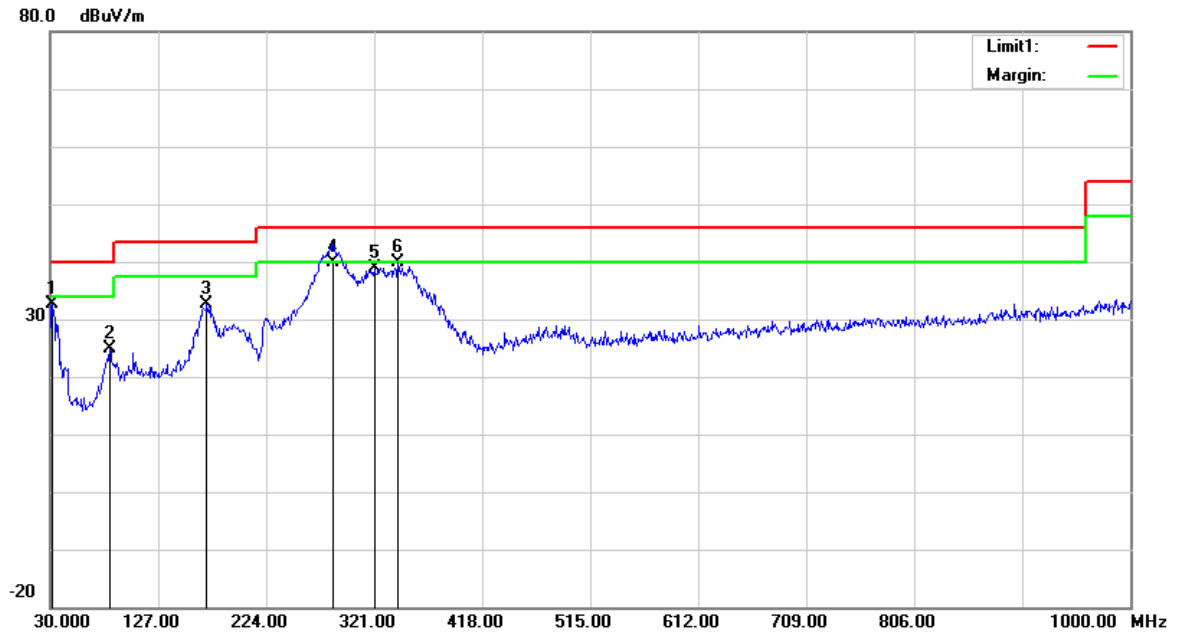
| Test Items | Radiation Below 1GHz | Radiation Above 1GHz |
|---------------------------|----------------------|----------------------|
| Temperature: | 25.5°C | 23.6°C |
| Relative Humidity: | 53 % | 53% |
| ATM Pressure: | 100.1kPa | 100.9kPa |
| Tester: | Leo Long | Band Qin |
| Test Date: | 2020-06-13 | 2020-06-22 |

Test Result: Compliance, please Refer to the following data

Test Mode: Transmitting

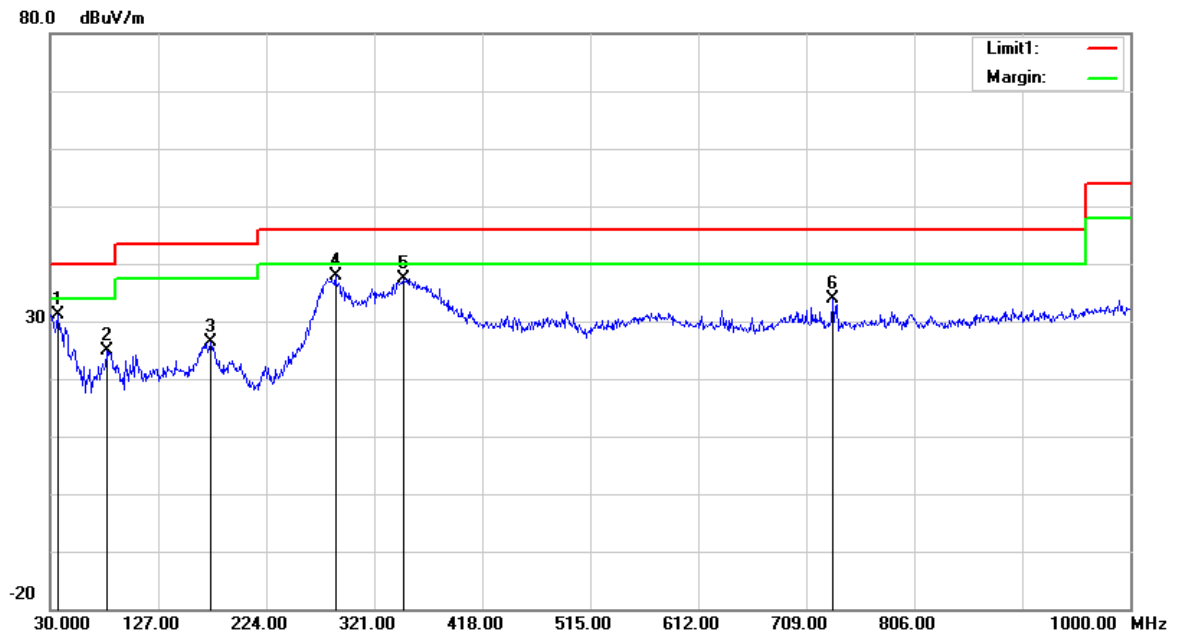
1) 30MHz-1GHz(802.11b_Chain 1 High channel was the worst)

Horizontal:



| Frequency (MHz) | Receiver Reading (dBuV) | Detector | Correction Factor (dB/m) | Cord. Amp. (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
|-----------------|-------------------------|----------|--------------------------|---------------------|----------------|-------------|
| 31.9400 | 32.45 | peak | 0.19 | 32.64 | 40.00 | 7.36 |
| 83.3500 | 36.12 | peak | -11.34 | 24.78 | 40.00 | 15.22 |
| 170.6500 | 39.27 | peak | -6.63 | 32.64 | 43.50 | 10.86 |
| 284.1400 | 43.95 | QP | -4.05 | 39.90 | 46.00 | 6.10 |
| 321.0000 | 42.42 | peak | -3.43 | 38.99 | 46.00 | 7.01 |
| 342.3400 | 43.19 | peak | -3.34 | 39.85 | 46.00 | 6.15 |

Vertical:



| Frequency (MHz) | Receiver Reading (dBuV) | Detector | Correction Factor (dB/m) | Cord. Amp. (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
|-----------------|-------------------------|----------|--------------------------|---------------------|----------------|-------------|
| 36.7900 | 34.55 | peak | -3.38 | 31.17 | 40.00 | 8.83 |
| 80.4400 | 36.15 | peak | -11.24 | 24.91 | 40.00 | 15.09 |
| 174.5300 | 33.22 | peak | -6.88 | 26.34 | 43.50 | 17.16 |
| 286.0800 | 41.83 | peak | -4.03 | 37.80 | 46.00 | 8.20 |
| 347.1900 | 40.53 | peak | -3.15 | 37.38 | 46.00 | 8.62 |
| 733.2500 | 30.66 | peak | 3.24 | 33.90 | 46.00 | 12.10 |

**2) 1-25GHz:
802.11b Mode:
Chain 0**

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) |
|--------------------------|----------------------|----------|-------------|---------------|-----------------|---------------------|------------------------------------|----------------------|-------------|
| | Reading (dB μ V) | Detector | Polar (H/V) | Factor (dB/m) | | | | | |
| Low Channel: 2412 MHz | | | | | | | | | |
| 2412.00 | 65.15 | PK | H | 28.12 | 1.81 | 0.00 | 95.08 | N/A | N/A |
| 2412.00 | 62.23 | AV | H | 28.12 | 1.81 | 0.00 | 92.16 | N/A | N/A |
| 2412.00 | 73.75 | PK | V | 28.12 | 1.81 | 0.00 | 103.68 | N/A | N/A |
| 2412.00 | 70.89 | AV | V | 28.12 | 1.81 | 0.00 | 100.82 | N/A | N/A |
| 2390.00 | 30.06 | PK | V | 28.08 | 1.80 | 0.00 | 59.94 | 74.00 | 14.06 |
| 2390.00 | 17.36 | AV | V | 28.08 | 1.80 | 0.00 | 47.24 | 54.00 | 6.76 |
| 4824.00 | 46.75 | PK | V | 32.95 | 3.19 | 25.62 | 57.27 | 74.00 | 16.73 |
| 4824.00 | 41.68 | AV | V | 32.95 | 3.19 | 25.62 | 52.20 | 54.00 | 1.80 |
| 7236.00 | 36.44 | PK | V | 35.81 | 4.77 | 25.64 | 51.38 | 74.00 | 22.62 |
| 7236.00 | 23.14 | AV | V | 35.81 | 4.77 | 25.64 | 38.08 | 54.00 | 15.92 |
| Middle Channel: 2437 MHz | | | | | | | | | |
| 2437.00 | 66.19 | PK | H | 28.17 | 1.82 | 0.00 | 96.18 | N/A | N/A |
| 2437.00 | 63.04 | AV | H | 28.17 | 1.82 | 0.00 | 93.03 | N/A | N/A |
| 2437.00 | 74.78 | PK | V | 28.17 | 1.82 | 0.00 | 104.77 | N/A | N/A |
| 2437.00 | 71.44 | AV | V | 28.17 | 1.82 | 0.00 | 101.43 | N/A | N/A |
| 4874.00 | 44.85 | PK | V | 33.05 | 3.26 | 25.65 | 55.51 | 74.00 | 18.49 |
| 4874.00 | 42.15 | AV | V | 33.05 | 3.26 | 25.65 | 52.81 | 54.00 | 1.19 |
| 7311.00 | 35.53 | PK | V | 36.01 | 4.64 | 25.71 | 50.47 | 74.00 | 23.53 |
| 7311.00 | 22.64 | AV | V | 36.01 | 4.64 | 25.71 | 37.58 | 54.00 | 16.42 |
| High Channel: 2462 MHz | | | | | | | | | |
| 2462.00 | 68.02 | PK | H | 28.22 | 1.83 | 0.00 | 98.07 | N/A | N/A |
| 2462.00 | 64.89 | AV | H | 28.22 | 1.83 | 0.00 | 94.94 | N/A | N/A |
| 2462.00 | 76.04 | PK | V | 28.22 | 1.83 | 0.00 | 106.09 | N/A | N/A |
| 2462.00 | 73.05 | AV | V | 28.22 | 1.83 | 0.00 | 103.10 | N/A | N/A |
| 2483.50 | 30.06 | PK | V | 28.27 | 1.84 | 0.00 | 60.17 | 74.00 | 13.83 |
| 2483.50 | 18.01 | AV | V | 28.27 | 1.84 | 0.00 | 48.12 | 54.00 | 5.88 |
| 4924.00 | 44.69 | PK | V | 33.15 | 3.27 | 25.65 | 55.46 | 74.00 | 18.54 |
| 4924.00 | 41.80 | AV | V | 33.15 | 3.27 | 25.65 | 52.57 | 54.00 | 1.43 |
| 7386.00 | 35.94 | PK | V | 36.20 | 4.51 | 25.79 | 50.86 | 74.00 | 23.14 |
| 7386.00 | 22.88 | AV | V | 36.20 | 4.51 | 25.79 | 37.80 | 54.00 | 16.20 |

Chain 1:

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) |
|--------------------------|----------------------|----------|-------------|---------------|-----------------|---------------------|------------------------------------|----------------------|-------------|
| | Reading (dB μ V) | Detector | Polar (H/V) | Factor (dB/m) | | | | | |
| Low Channel: 2412 MHz | | | | | | | | | |
| 2412.00 | 52.32 | PK | H | 28.12 | 1.81 | 0.00 | 82.25 | N/A | N/A |
| 2412.00 | 49.25 | AV | H | 28.12 | 1.81 | 0.00 | 79.18 | N/A | N/A |
| 2412.00 | 69.94 | PK | V | 28.12 | 1.81 | 0.00 | 99.87 | N/A | N/A |
| 2412.00 | 66.99 | AV | V | 28.12 | 1.81 | 0.00 | 96.92 | N/A | N/A |
| 2390.00 | 31.99 | PK | V | 28.08 | 1.80 | 0.00 | 61.87 | 74.00 | 12.13 |
| 2390.00 | 16.26 | AV | V | 28.08 | 1.80 | 0.00 | 46.14 | 54.00 | 7.86 |
| 4824.00 | 45.08 | PK | V | 32.95 | 3.19 | 25.62 | 55.60 | 74.00 | 18.40 |
| 4824.00 | 41.18 | AV | V | 32.95 | 3.19 | 25.62 | 51.70 | 54.00 | 2.30 |
| 7236.00 | 35.57 | PK | V | 35.81 | 4.77 | 25.64 | 50.51 | 74.00 | 23.49 |
| 7236.00 | 22.64 | AV | V | 35.81 | 4.77 | 25.64 | 37.58 | 54.00 | 16.42 |
| Middle Channel: 2437 MHz | | | | | | | | | |
| 2437.00 | 54.63 | PK | H | 28.17 | 1.82 | 0.00 | 84.62 | N/A | N/A |
| 2437.00 | 51.47 | AV | H | 28.17 | 1.82 | 0.00 | 81.46 | N/A | N/A |
| 2437.00 | 71.00 | PK | V | 28.17 | 1.82 | 0.00 | 100.99 | N/A | N/A |
| 2437.00 | 68.00 | AV | V | 28.17 | 1.82 | 0.00 | 97.99 | N/A | N/A |
| 4874.00 | 45.66 | PK | V | 33.05 | 3.26 | 25.65 | 56.32 | 74.00 | 17.68 |
| 4874.00 | 42.94 | AV | V | 33.05 | 3.26 | 25.65 | 53.60 | 54.00 | 0.40 |
| 7311.00 | 35.65 | PK | V | 36.01 | 4.64 | 25.71 | 50.59 | 74.00 | 23.41 |
| 7311.00 | 22.72 | AV | V | 36.01 | 4.64 | 25.71 | 37.66 | 54.00 | 16.34 |
| High Channel: 2462 MHz | | | | | | | | | |
| 2462.00 | 55.88 | PK | H | 28.22 | 1.83 | 0.00 | 85.93 | N/A | N/A |
| 2462.00 | 51.67 | AV | H | 28.22 | 1.83 | 0.00 | 81.72 | N/A | N/A |
| 2462.00 | 72.11 | PK | V | 28.22 | 1.83 | 0.00 | 102.16 | N/A | N/A |
| 2462.00 | 68.98 | AV | V | 28.22 | 1.83 | 0.00 | 99.03 | N/A | N/A |
| 2483.50 | 27.77 | PK | V | 28.27 | 1.84 | 0.00 | 57.88 | 74.00 | 16.12 |
| 2483.50 | 15.36 | AV | V | 28.27 | 1.84 | 0.00 | 45.47 | 54.00 | 8.53 |
| 4924.00 | 45.31 | PK | V | 33.15 | 3.27 | 25.65 | 56.08 | 74.00 | 17.92 |
| 4924.00 | 42.82 | AV | V | 33.15 | 3.27 | 25.65 | 53.59 | 54.00 | 0.41 |
| 7386.00 | 35.72 | PK | V | 36.20 | 4.51 | 25.79 | 50.64 | 74.00 | 23.36 |
| 7386.00 | 22.68 | AV | V | 36.20 | 4.51 | 25.79 | 37.60 | 54.00 | 16.40 |

**802.11g Mode:
Chain 0**

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) |
|--------------------------|-------------------------|----------|----------------|------------------|-----------------------|---------------------------|--|-------------------------|----------------|
| | Reading (dB μ V) | Detector | Polar (H/V) | Factor (dB/m) | | | | | |
| Low Channel: 2412 MHz | | | | | | | | | |
| 2412.00 | 71.49 | PK | H | 28.12 | 1.81 | 0.00 | 101.42 | N/A | N/A |
| 2412.00 | 62.38 | AV | H | 28.12 | 1.81 | 0.00 | 92.31 | N/A | N/A |
| 2412.00 | 82.58 | PK | V | 28.12 | 1.81 | 0.00 | 112.51 | N/A | N/A |
| 2412.00 | 73.49 | AV | V | 28.12 | 1.81 | 0.00 | 103.42 | N/A | N/A |
| 2390.00 | 36.68 | PK | V | 28.08 | 1.80 | 0.00 | 66.56 | 74.00 | 7.44 |
| 2390.00 | 22.19 | AV | V | 28.08 | 1.80 | 0.00 | 52.07 | 54.00 | 1.93 |
| 4824.00 | 50.11 | PK | V | 32.95 | 3.19 | 25.62 | 60.63 | 74.00 | 13.37 |
| 4824.00 | 37.26 | AV | V | 32.95 | 3.19 | 25.62 | 47.78 | 54.00 | 6.22 |
| 7236.00 | 41.18 | PK | V | 35.81 | 4.77 | 25.64 | 56.12 | 74.00 | 17.88 |
| 7236.00 | 28.36 | AV | V | 35.81 | 4.77 | 25.64 | 43.30 | 54.00 | 10.70 |
| Middle Channel: 2437 MHz | | | | | | | | | |
| 2437.00 | 75.32 | PK | H | 28.17 | 1.82 | 0.00 | 105.31 | N/A | N/A |
| 2437.00 | 65.42 | AV | H | 28.17 | 1.82 | 0.00 | 95.41 | N/A | N/A |
| 2437.00 | 86.59 | PK | V | 28.17 | 1.82 | 0.00 | 116.58 | N/A | N/A |
| 2437.00 | 76.88 | AV | V | 28.17 | 1.82 | 0.00 | 106.87 | N/A | N/A |
| 4874.00 | 52.71 | PK | V | 33.05 | 3.26 | 25.65 | 63.37 | 74.00 | 10.63 |
| 4874.00 | 40.51 | AV | V | 33.05 | 3.26 | 25.65 | 51.17 | 54.00 | 2.83 |
| 7311.00 | 43.98 | PK | V | 36.01 | 4.64 | 25.71 | 58.92 | 74.00 | 15.08 |
| 7311.00 | 30.37 | AV | V | 36.01 | 4.64 | 25.71 | 45.31 | 54.00 | 8.69 |
| High Channel: 2462 MHz | | | | | | | | | |
| 2462.00 | 70.06 | PK | H | 28.22 | 1.83 | 0.00 | 100.11 | N/A | N/A |
| 2462.00 | 59.87 | AV | H | 28.22 | 1.83 | 0.00 | 89.92 | N/A | N/A |
| 2462.00 | 81.21 | PK | V | 28.22 | 1.83 | 0.00 | 111.26 | N/A | N/A |
| 2462.00 | 71.65 | AV | V | 28.22 | 1.83 | 0.00 | 101.70 | N/A | N/A |
| 2483.50 | 38.74 | PK | V | 28.27 | 1.84 | 0.00 | 68.85 | 74.00 | 5.15 |
| 2483.50 | 22.97 | AV | V | 28.27 | 1.84 | 0.00 | 53.08 | 54.00 | 0.92 |
| 4924.00 | 45.53 | PK | V | 33.15 | 3.27 | 25.65 | 56.30 | 74.00 | 17.70 |
| 4924.00 | 33.26 | AV | V | 33.15 | 3.27 | 25.65 | 44.03 | 54.00 | 9.97 |
| 7386.00 | 39.06 | PK | V | 36.20 | 4.51 | 25.79 | 53.98 | 74.00 | 20.02 |
| 7386.00 | 26.55 | AV | V | 36.20 | 4.51 | 25.79 | 41.47 | 54.00 | 12.53 |

Chain 1:

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) |
|--------------------------|----------------------|----------|-------------|---------------|-----------------|---------------------|------------------------------------|----------------------|-------------|
| | Reading (dB μ V) | Detector | Polar (H/V) | Factor (dB/m) | | | | | |
| Low Channel: 2412 MHz | | | | | | | | | |
| 2412.00 | 64.02 | PK | H | 28.12 | 1.81 | 0.00 | 93.95 | N/A | N/A |
| 2412.00 | 55.11 | AV | H | 28.12 | 1.81 | 0.00 | 85.04 | N/A | N/A |
| 2412.00 | 79.94 | PK | V | 28.12 | 1.81 | 0.00 | 109.87 | N/A | N/A |
| 2412.00 | 70.59 | AV | V | 28.12 | 1.81 | 0.00 | 100.52 | N/A | N/A |
| 2390.00 | 34.01 | PK | V | 28.08 | 1.80 | 0.00 | 63.89 | 74.00 | 10.11 |
| 2390.00 | 20.30 | AV | V | 28.08 | 1.80 | 0.00 | 50.18 | 54.00 | 3.82 |
| 4824.00 | 55.47 | PK | V | 32.95 | 3.19 | 25.62 | 65.99 | 74.00 | 8.01 |
| 4824.00 | 42.43 | AV | V | 32.95 | 3.19 | 25.62 | 52.95 | 54.00 | 1.05 |
| 7236.00 | 35.74 | PK | V | 35.81 | 4.77 | 25.64 | 50.68 | 74.00 | 23.32 |
| 7236.00 | 23.62 | AV | V | 35.81 | 4.77 | 25.64 | 38.56 | 54.00 | 15.44 |
| Middle Channel: 2437 MHz | | | | | | | | | |
| 2437.00 | 63.87 | PK | H | 28.17 | 1.82 | 0.00 | 93.86 | N/A | N/A |
| 2437.00 | 54.67 | AV | H | 28.17 | 1.82 | 0.00 | 84.66 | N/A | N/A |
| 2437.00 | 79.63 | PK | V | 28.17 | 1.82 | 0.00 | 109.62 | N/A | N/A |
| 2437.00 | 70.60 | AV | V | 28.17 | 1.82 | 0.00 | 100.59 | N/A | N/A |
| 4874.00 | 55.27 | PK | V | 33.05 | 3.26 | 25.65 | 65.93 | 74.00 | 8.07 |
| 4874.00 | 42.30 | AV | V | 33.05 | 3.26 | 25.65 | 52.96 | 54.00 | 1.04 |
| 7311.00 | 35.50 | PK | V | 36.01 | 4.64 | 25.71 | 50.44 | 74.00 | 23.56 |
| 7311.00 | 23.28 | AV | V | 36.01 | 4.64 | 25.71 | 38.22 | 54.00 | 15.78 |
| High Channel: 2462 MHz | | | | | | | | | |
| 2462.00 | 66.23 | PK | H | 28.22 | 1.83 | 0.00 | 96.28 | N/A | N/A |
| 2462.00 | 57.37 | AV | H | 28.22 | 1.83 | 0.00 | 87.42 | N/A | N/A |
| 2462.00 | 80.53 | PK | V | 28.22 | 1.83 | 0.00 | 110.58 | N/A | N/A |
| 2462.00 | 71.73 | AV | V | 28.22 | 1.83 | 0.00 | 101.78 | N/A | N/A |
| 2483.50 | 35.67 | PK | V | 28.27 | 1.84 | 0.00 | 65.78 | 74.00 | 8.22 |
| 2483.50 | 21.04 | AV | V | 28.27 | 1.84 | 0.00 | 51.15 | 54.00 | 2.85 |
| 4924.00 | 55.80 | PK | V | 33.15 | 3.27 | 25.65 | 66.57 | 74.00 | 7.43 |
| 4924.00 | 42.63 | AV | V | 33.15 | 3.27 | 25.65 | 53.40 | 54.00 | 0.60 |
| 7386.00 | 35.86 | PK | V | 36.20 | 4.51 | 25.79 | 50.78 | 74.00 | 23.22 |
| 7386.00 | 23.52 | AV | V | 36.20 | 4.51 | 25.79 | 38.44 | 54.00 | 15.56 |

802.11n ht20 Mode (2Tx was the worst):

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) |
|--------------------------|----------------------|----------|-------------|---------------|-----------------|---------------------|------------------------------------|----------------------|-------------|
| | Reading (dB μ V) | Detector | Polar (H/V) | Factor (dB/m) | | | | | |
| Low Channel: 2412 MHz | | | | | | | | | |
| 2412.00 | 69.51 | PK | H | 28.12 | 1.81 | 0.00 | 99.44 | N/A | N/A |
| 2412.00 | 59.45 | AV | H | 28.12 | 1.81 | 0.00 | 89.38 | N/A | N/A |
| 2412.00 | 81.56 | PK | V | 28.12 | 1.81 | 0.00 | 111.49 | N/A | N/A |
| 2412.00 | 71.60 | AV | V | 28.12 | 1.81 | 0.00 | 101.53 | N/A | N/A |
| 2390.00 | 35.06 | PK | V | 28.08 | 1.80 | 0.00 | 64.94 | 74.00 | 9.06 |
| 2390.00 | 22.07 | AV | V | 28.08 | 1.80 | 0.00 | 51.95 | 54.00 | 2.05 |
| 4824.00 | 53.27 | PK | V | 32.95 | 3.19 | 25.62 | 63.79 | 74.00 | 10.21 |
| 4824.00 | 41.12 | AV | V | 32.95 | 3.19 | 25.62 | 51.64 | 54.00 | 2.36 |
| 7236.00 | 35.63 | PK | V | 35.81 | 4.77 | 25.64 | 50.57 | 74.00 | 23.43 |
| 7236.00 | 24.11 | AV | V | 35.81 | 4.77 | 25.64 | 39.05 | 54.00 | 14.95 |
| Middle Channel: 2437 MHz | | | | | | | | | |
| 2437.00 | 70.54 | PK | H | 28.17 | 1.82 | 0.00 | 100.53 | N/A | N/A |
| 2437.00 | 61.38 | AV | H | 28.17 | 1.82 | 0.00 | 91.37 | N/A | N/A |
| 2437.00 | 82.73 | PK | V | 28.17 | 1.82 | 0.00 | 112.72 | N/A | N/A |
| 2437.00 | 73.56 | AV | V | 28.17 | 1.82 | 0.00 | 103.55 | N/A | N/A |
| 4874.00 | 54.54 | PK | V | 33.05 | 3.26 | 25.65 | 65.20 | 74.00 | 8.80 |
| 4874.00 | 42.04 | AV | V | 33.05 | 3.26 | 25.65 | 52.70 | 54.00 | 1.30 |
| 7311.00 | 35.78 | PK | V | 36.01 | 4.64 | 25.71 | 50.72 | 74.00 | 23.28 |
| 7311.00 | 24.23 | AV | V | 36.01 | 4.64 | 25.71 | 39.17 | 54.00 | 14.83 |
| High Channel: 2462 MHz | | | | | | | | | |
| 2462.00 | 69.47 | PK | H | 28.22 | 1.83 | 0.00 | 99.52 | N/A | N/A |
| 2462.00 | 59.83 | AV | H | 28.22 | 1.83 | 0.00 | 89.88 | N/A | N/A |
| 2462.00 | 81.50 | PK | V | 28.22 | 1.83 | 0.00 | 111.55 | N/A | N/A |
| 2462.00 | 71.96 | AV | V | 28.22 | 1.83 | 0.00 | 102.01 | N/A | N/A |
| 2483.50 | 34.89 | PK | V | 28.27 | 1.84 | 0.00 | 65.00 | 74.00 | 9.00 |
| 2483.50 | 22.22 | AV | V | 28.27 | 1.84 | 0.00 | 52.33 | 54.00 | 1.67 |
| 4924.00 | 53.26 | PK | V | 33.15 | 3.27 | 25.65 | 64.03 | 74.00 | 9.97 |
| 4924.00 | 40.13 | AV | V | 33.15 | 3.27 | 25.65 | 50.90 | 54.00 | 3.10 |
| 7386.00 | 36.29 | PK | V | 36.20 | 4.51 | 25.79 | 51.21 | 74.00 | 22.79 |
| 7386.00 | 24.56 | AV | V | 36.20 | 4.51 | 25.79 | 39.48 | 54.00 | 14.52 |

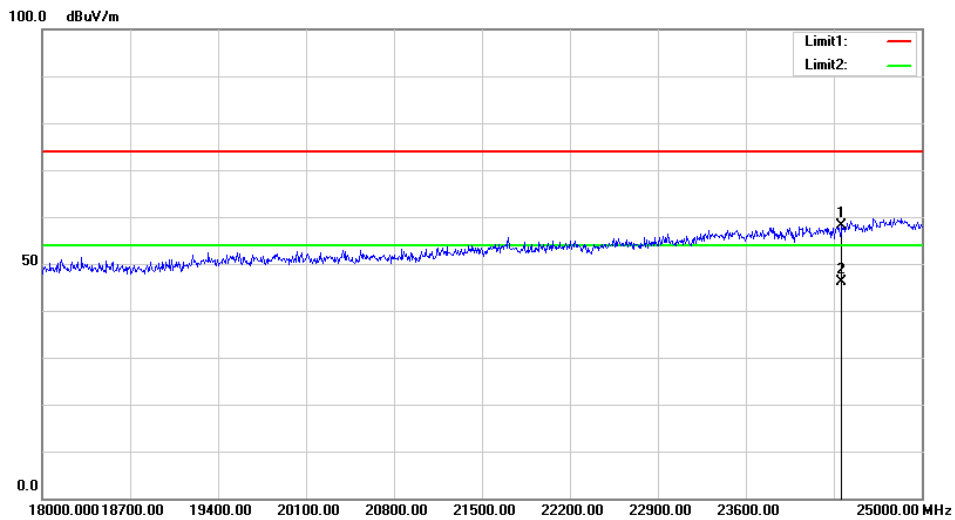
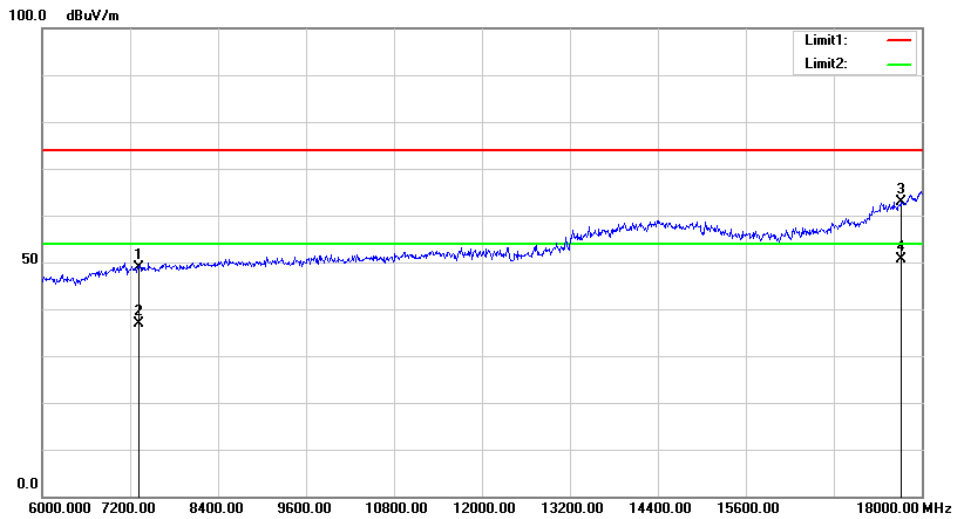
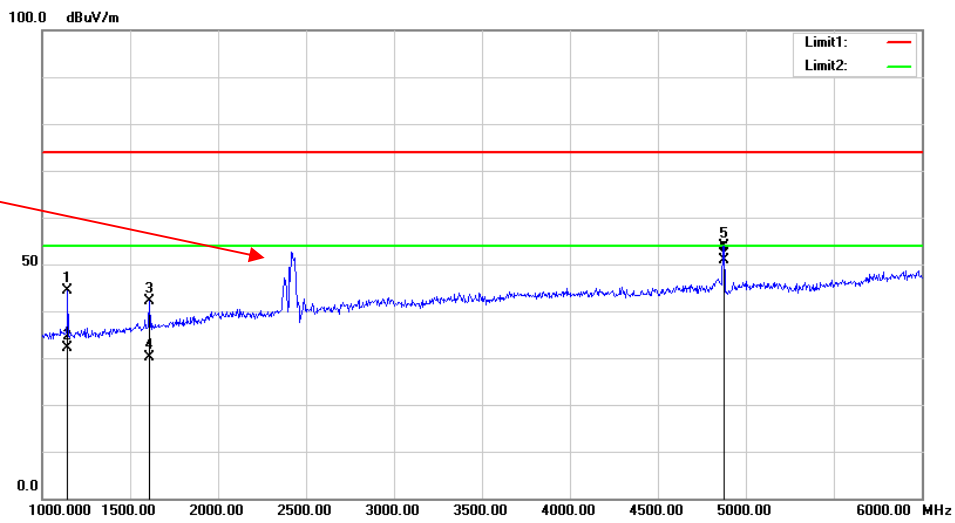
802.11n ht40 Mode (2Tx was the worst):

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|------------------------------|----------------|----------|-------------|---------------|-----------------|---------------------|------------------------------|----------------|-------------|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB/m) | | | | | |
| Low Channel: 2422 MHz | | | | | | | | | |
| 2422.00 | 60.99 | PK | H | 28.14 | 1.81 | 0.00 | 90.94 | N/A | N/A |
| 2422.00 | 50.85 | AV | H | 28.14 | 1.81 | 0.00 | 80.80 | N/A | N/A |
| 2422.00 | 74.85 | PK | V | 28.14 | 1.81 | 0.00 | 104.80 | N/A | N/A |
| 2422.00 | 64.93 | AV | V | 28.14 | 1.81 | 0.00 | 94.88 | N/A | N/A |
| 2390.00 | 34.54 | PK | V | 28.08 | 1.80 | 0.00 | 64.42 | 74.00 | 9.58 |
| 2390.00 | 23.80 | AV | V | 28.08 | 1.80 | 0.00 | 53.68 | 54.00 | 0.32 |
| 4844.00 | 43.56 | PK | V | 32.99 | 3.22 | 25.63 | 54.14 | 74.00 | 19.86 |
| 4844.00 | 32.67 | AV | V | 32.99 | 3.22 | 25.63 | 43.25 | 54.00 | 10.75 |
| 7266.00 | 35.61 | PK | V | 35.89 | 4.72 | 25.67 | 50.55 | 74.00 | 23.45 |
| 7266.00 | 24.36 | AV | V | 35.89 | 4.72 | 25.67 | 39.30 | 54.00 | 14.70 |
| Middle Channel: 2437 MHz | | | | | | | | | |
| 2437.00 | 67.87 | PK | H | 28.17 | 1.82 | 0.00 | 97.86 | N/A | N/A |
| 2437.00 | 57.73 | AV | H | 28.17 | 1.82 | 0.00 | 87.72 | N/A | N/A |
| 2437.00 | 81.80 | PK | V | 28.17 | 1.82 | 0.00 | 111.79 | N/A | N/A |
| 2437.00 | 71.47 | AV | V | 28.17 | 1.82 | 0.00 | 101.46 | N/A | N/A |
| 4874.00 | 51.45 | PK | V | 33.05 | 3.26 | 25.65 | 62.11 | 74.00 | 11.89 |
| 4874.00 | 40.68 | AV | V | 33.05 | 3.26 | 25.65 | 51.34 | 54.00 | 2.66 |
| 7311.00 | 35.67 | PK | V | 36.01 | 4.64 | 25.71 | 50.61 | 74.00 | 23.39 |
| 7311.00 | 24.53 | AV | V | 36.01 | 4.64 | 25.71 | 39.47 | 54.00 | 14.53 |
| High Channel: 2452 MHz | | | | | | | | | |
| 2452.00 | 61.71 | PK | H | 28.20 | 1.83 | 0.00 | 91.74 | N/A | N/A |
| 2452.00 | 51.56 | AV | H | 28.20 | 1.83 | 0.00 | 81.59 | N/A | N/A |
| 2452.00 | 75.58 | PK | V | 28.20 | 1.83 | 0.00 | 105.61 | N/A | N/A |
| 2452.00 | 65.92 | AV | V | 28.20 | 1.83 | 0.00 | 95.95 | N/A | N/A |
| 2483.50 | 34.31 | PK | V | 28.27 | 1.84 | 0.00 | 64.42 | 74.00 | 9.58 |
| 2483.50 | 22.66 | AV | V | 28.27 | 1.84 | 0.00 | 52.77 | 54.00 | 1.23 |
| 4904.00 | 46.35 | PK | V | 33.11 | 3.30 | 25.67 | 57.09 | 74.00 | 16.91 |
| 4904.00 | 34.26 | AV | V | 33.11 | 3.30 | 25.67 | 45.00 | 54.00 | 9.00 |
| 7356.00 | 35.63 | PK | V | 36.13 | 4.56 | 25.76 | 50.56 | 74.00 | 23.44 |
| 7356.00 | 24.58 | AV | V | 36.13 | 4.56 | 25.76 | 39.51 | 54.00 | 14.49 |
| Additional Channel: 2427 MHz | | | | | | | | | |
| 2427.00 | 63.02 | PK | H | 28.15 | 1.81 | 0.00 | 92.98 | N/A | N/A |
| 2427.00 | 53.40 | AV | H | 28.15 | 1.81 | 0.00 | 83.36 | N/A | N/A |
| 2427.00 | 71.76 | PK | V | 28.15 | 1.81 | 0.00 | 101.72 | N/A | N/A |
| 2427.00 | 61.68 | AV | V | 28.15 | 1.81 | 0.00 | 91.64 | N/A | N/A |
| 2390.00 | 27.73 | PK | V | 28.08 | 1.80 | 0.00 | 57.61 | 74.00 | 16.39 |
| 2390.00 | 17.45 | AV | V | 28.08 | 1.80 | 0.00 | 47.33 | 54.00 | 6.67 |
| Additional Channel: 2432 MHz | | | | | | | | | |
| 2432.00 | 63.40 | PK | H | 28.16 | 1.82 | 0.00 | 93.38 | N/A | N/A |
| 2432.00 | 53.42 | AV | H | 28.16 | 1.82 | 0.00 | 83.40 | N/A | N/A |
| 2432.00 | 72.52 | PK | V | 28.16 | 1.82 | 0.00 | 102.50 | N/A | N/A |
| 2432.00 | 62.55 | AV | V | 28.16 | 1.82 | 0.00 | 92.53 | N/A | N/A |
| 2390.00 | 28.13 | PK | V | 28.08 | 1.80 | 0.00 | 58.01 | 74.00 | 15.99 |
| 2390.00 | 17.87 | AV | V | 28.08 | 1.80 | 0.00 | 47.75 | 54.00 | 6.25 |

| Additional Channel: 2442 MHz | | | | | | | | | |
|------------------------------|-------|----|---|-------|------|------|--------|-------|-------|
| 2442.00 | 63.74 | PK | H | 28.18 | 1.82 | 0.00 | 93.74 | N/A | N/A |
| 2442.00 | 53.78 | AV | H | 28.18 | 1.82 | 0.00 | 83.78 | N/A | N/A |
| 2442.00 | 73.23 | PK | V | 28.18 | 1.82 | 0.00 | 103.23 | N/A | N/A |
| 2442.00 | 63.72 | AV | V | 28.18 | 1.82 | 0.00 | 93.72 | N/A | N/A |
| 2483.50 | 30.85 | PK | V | 28.27 | 1.84 | 0.00 | 60.96 | 74.00 | 13.04 |
| 2483.50 | 19.60 | AV | V | 28.27 | 1.84 | 0.00 | 49.71 | 54.00 | 4.29 |
| High Channel: 2447 MHz | | | | | | | | | |
| 2447.00 | 60.67 | PK | H | 28.19 | 1.82 | 0.00 | 90.68 | N/A | N/A |
| 2447.00 | 50.45 | AV | H | 28.19 | 1.82 | 0.00 | 80.46 | N/A | N/A |
| 2447.00 | 70.08 | PK | V | 28.19 | 1.82 | 0.00 | 100.09 | N/A | N/A |
| 2447.00 | 60.03 | AV | V | 28.19 | 1.82 | 0.00 | 90.04 | N/A | N/A |
| 2483.50 | 28.87 | PK | V | 28.27 | 1.84 | 0.00 | 58.98 | 74.00 | 15.02 |
| 2483.50 | 17.88 | AV | V | 28.27 | 1.84 | 0.00 | 47.99 | 54.00 | 6.01 |

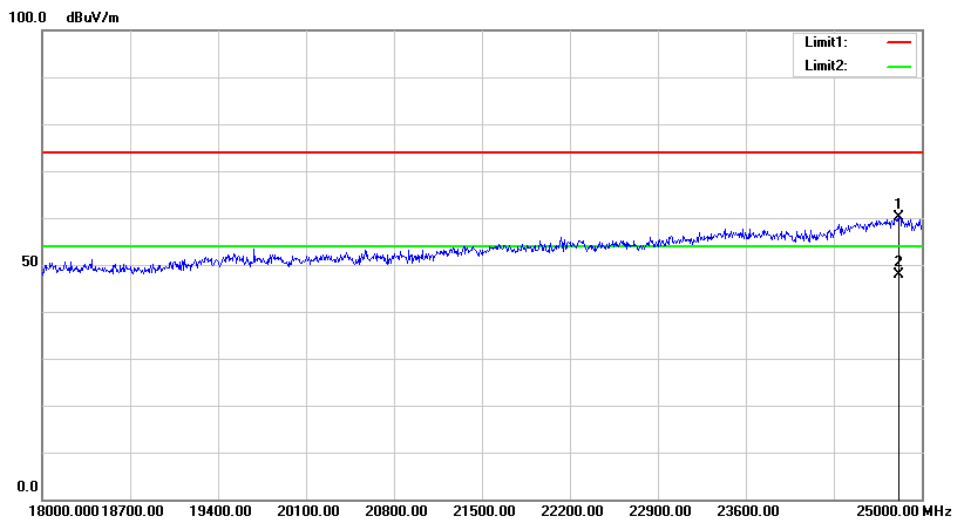
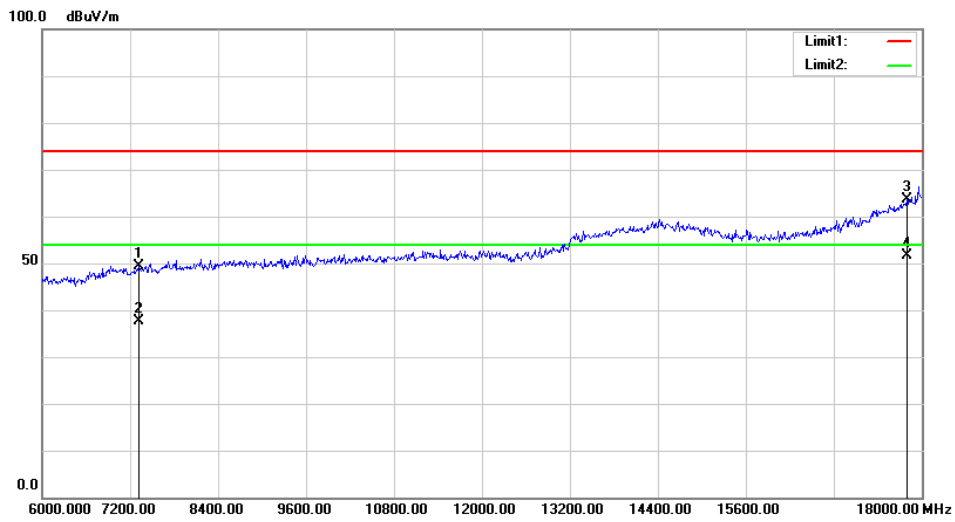
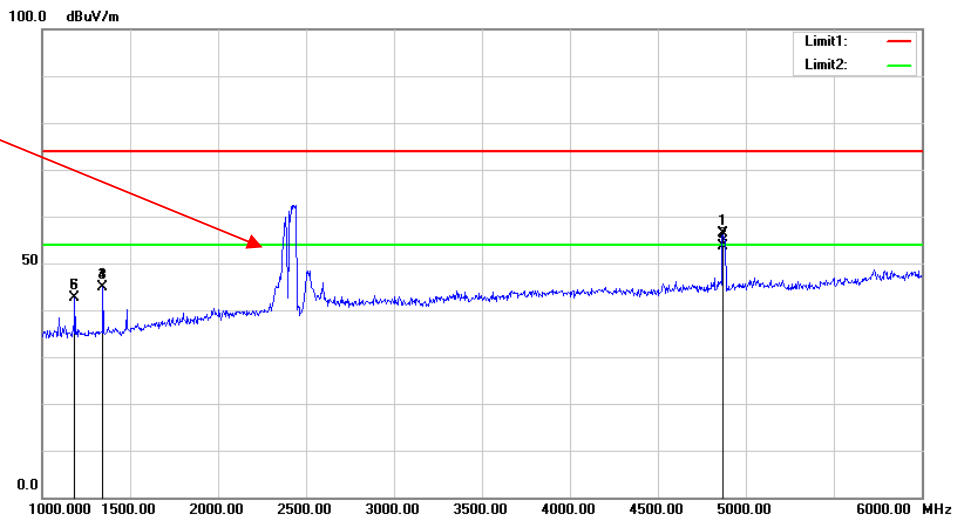
Test plots(802.11b Chain 1, Middle channel was the worst)
Horizontal:

Fundamental
Test with Band
Rejection Filter



Vertical:

Fundamental
Test with Band
Rejection Filter



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

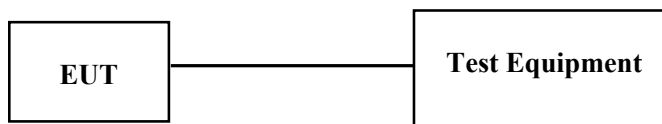
Applicable Standard

According to FCC §15.247(a) (2)

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 Procedure

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|-------------|---------------|------------------|----------------------|
| R&S | EMI Test Receiver | ESCI | 100035 | 2019-09-19 | 2020-09-19 |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/03 | Each time | N/A |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

| | |
|--------------------|-----------------------|
| Temperature: | 27.6 ~27.9°C |
| Relative Humidity: | 56~67% |
| ATM Pressure: | 100.5~100.9 kPa |
| Test by: | Chris Mo |
| Test Date: | 2020-06-15~2020-06-18 |

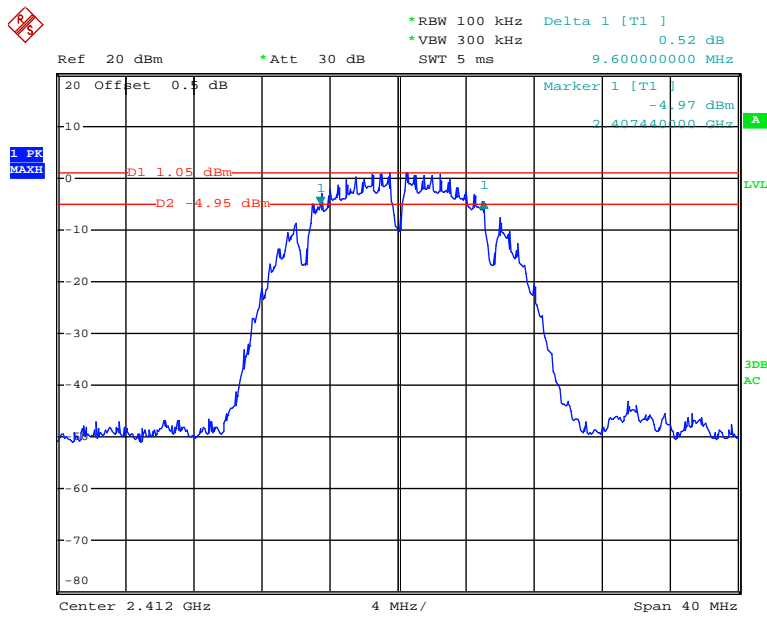
Test Mode: Transmitting

Test Result: Compliance. Test only was performed at chain 0, please refer to the following table and plots.

| Test mode | Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) |
|--------------|---------|-----------------|----------------------|-------------|
| 802.11b | Low | 2412 | 9.600 | ≥ 0.5 |
| | Middle | 2437 | 9.680 | ≥ 0.5 |
| | High | 2462 | 10.000 | ≥ 0.5 |
| 802.11g | Low | 2412 | 15.200 | ≥ 0.5 |
| | Middle | 2437 | 15.040 | ≥ 0.5 |
| | High | 2462 | 13.920 | ≥ 0.5 |
| 802.11n ht20 | Low | 2412 | 15.040 | ≥ 0.5 |
| | Middle | 2437 | 15.040 | ≥ 0.5 |
| | High | 2462 | 15.200 | ≥ 0.5 |
| 802.11n ht40 | Low | 2422 | 33.920 | ≥ 0.5 |
| | Middle | 2437 | 32.480 | ≥ 0.5 |
| | High | 2452 | 32.480 | ≥ 0.5 |

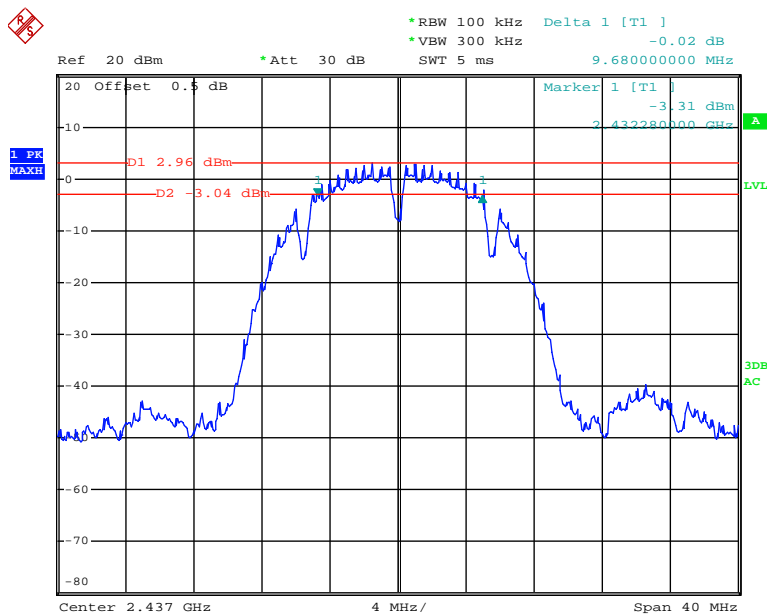
6dB Emission Bandwidth:

802.11b Low Channel



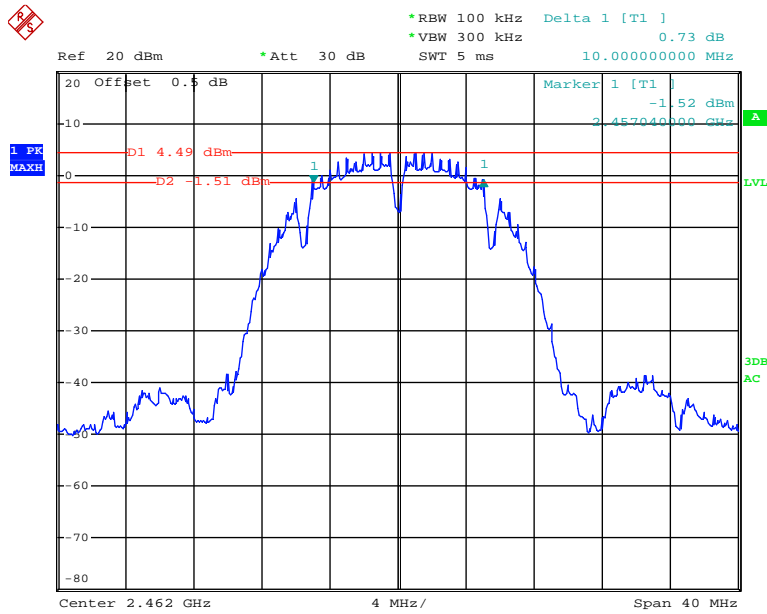
Date: 15.JUN.2020 16:01:21

802.11b Middle Channel



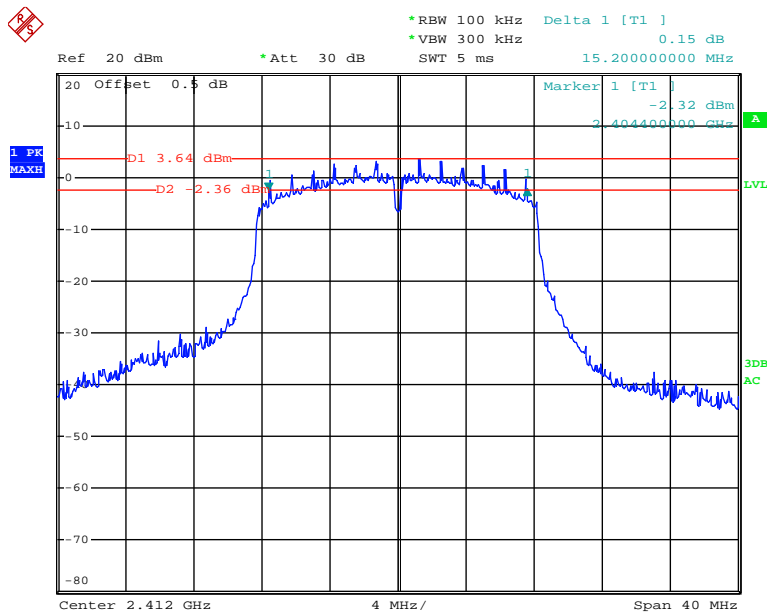
Date: 15.JUN.2020 16:03:00

802.11b High Channel



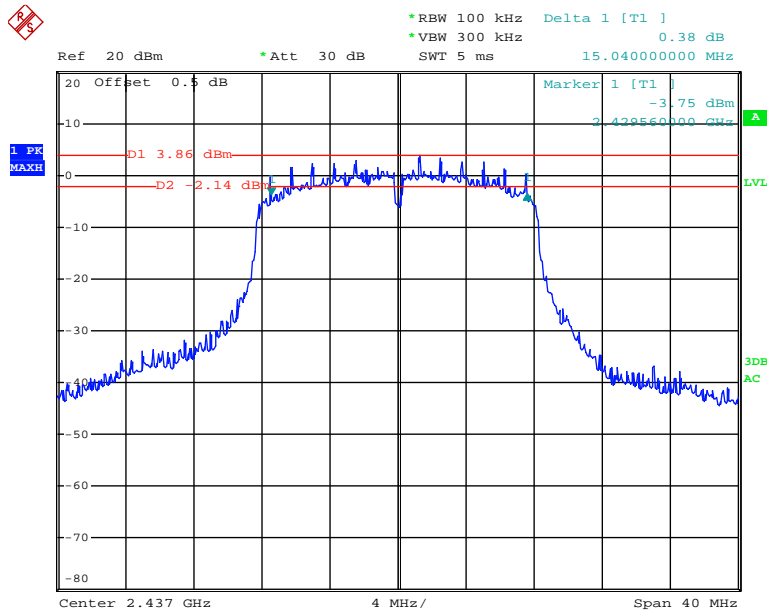
Date: 15.JUN.2020 16:05:39

802.11g Low Channel



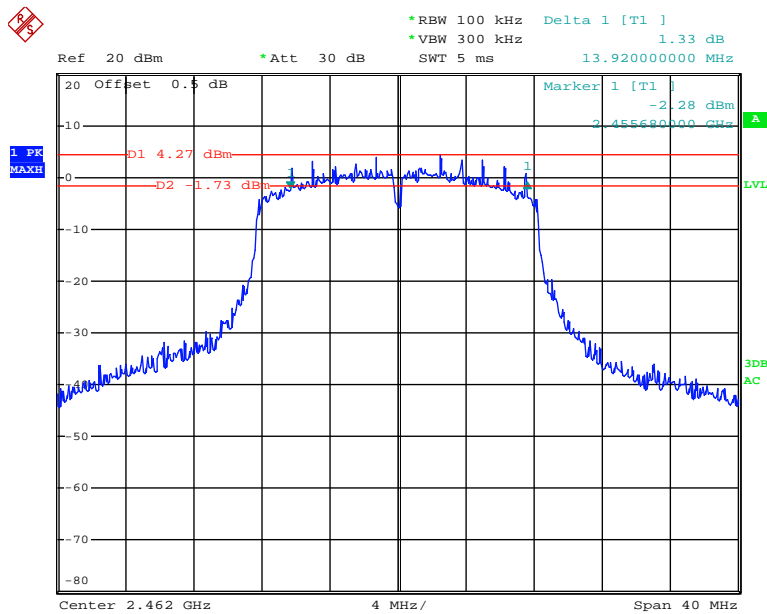
Date: 15.JUN.2020 16:08:43

802.11g Middle Channel



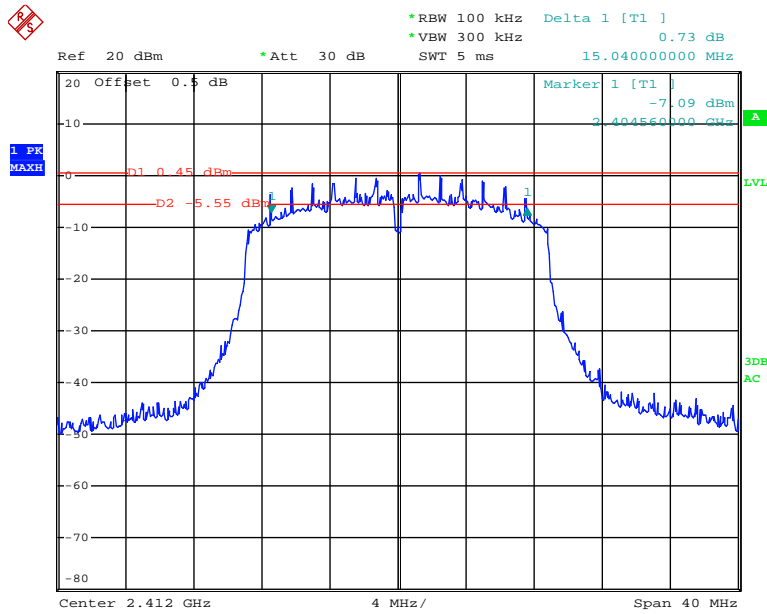
Date: 15.JUN.2020 16:10:33

802.11g High Channel



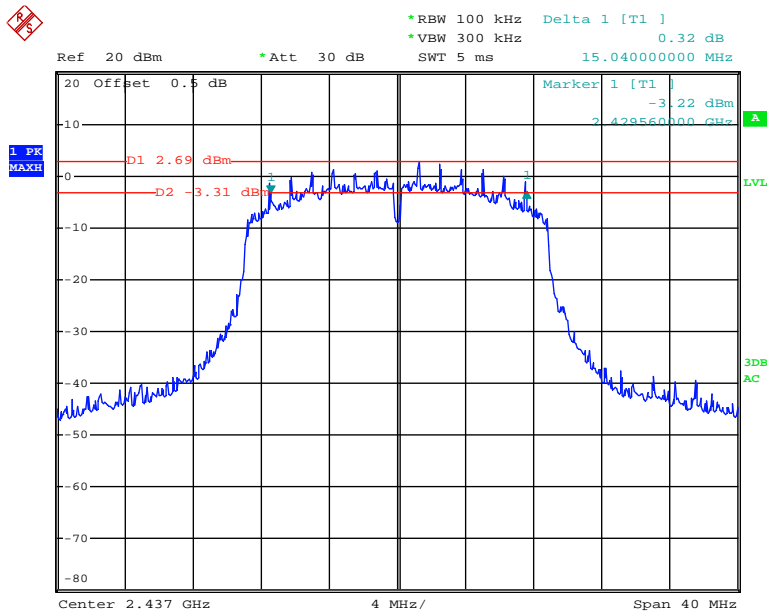
Date: 15.JUN.2020 16:14:52

802.11n ht20 Low Channel



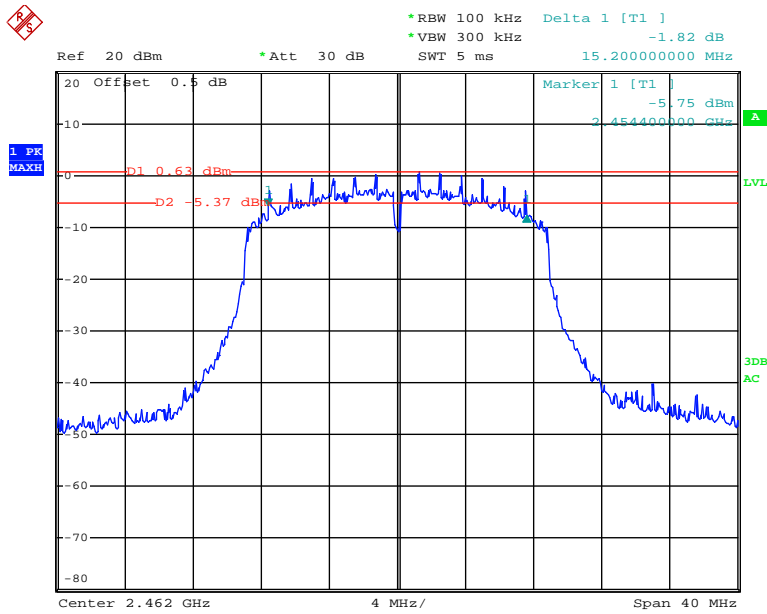
Date: 15.JUN.2020 16:19:34

802.11n ht20 Middle Channel



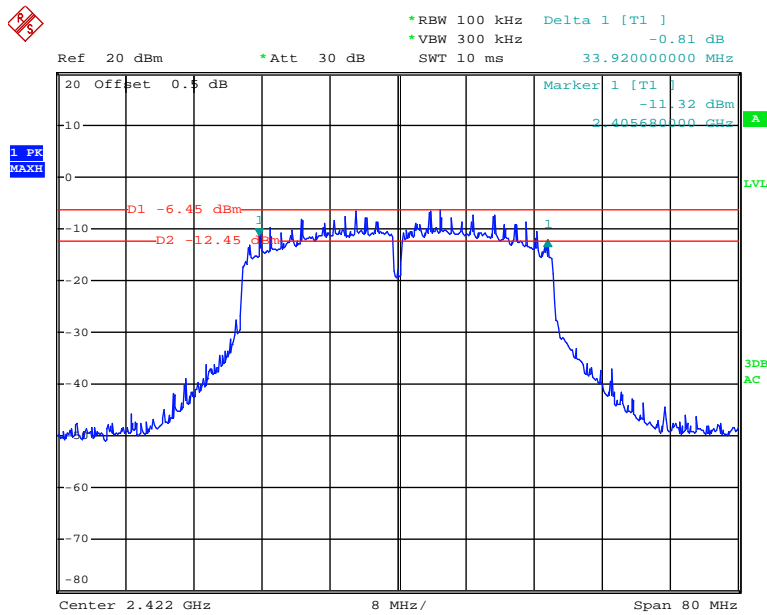
Date: 15.JUN.2020 16:21:10

802.11n ht20 High Channel



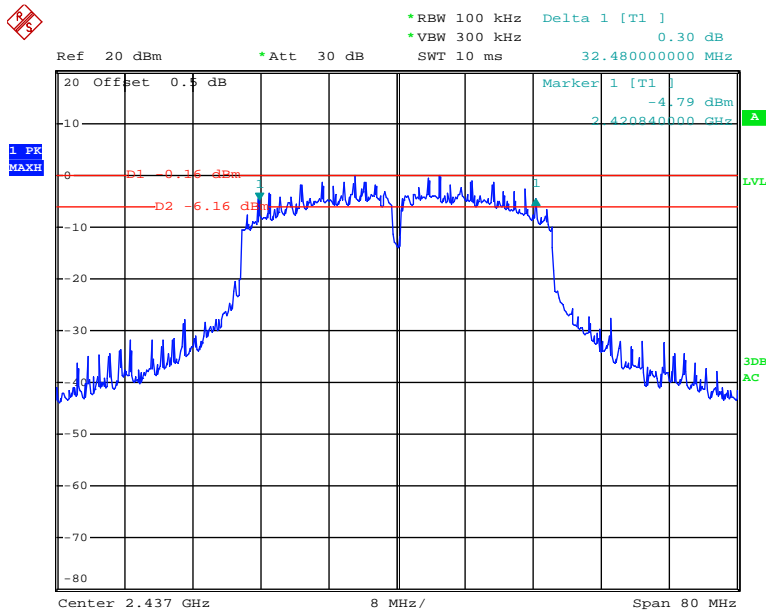
Date: 15.JUN.2020 16:22:35

802.11n ht40 Low Channel



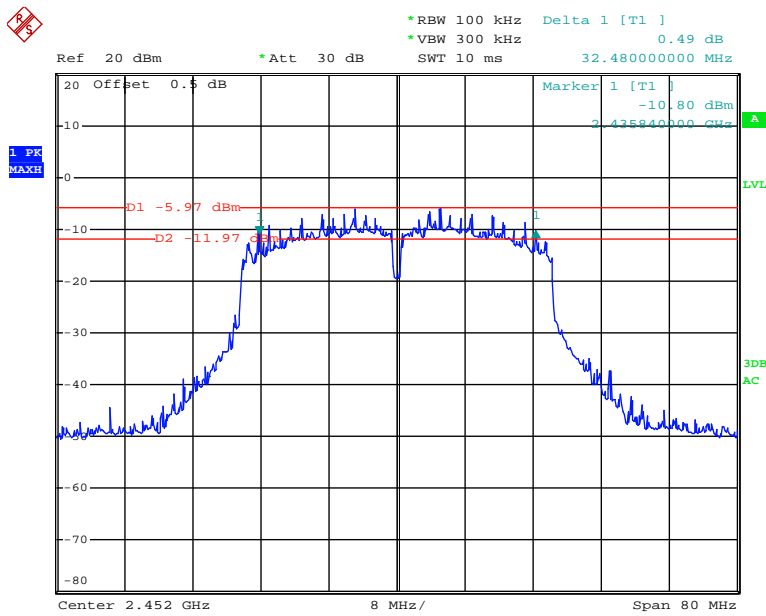
Date: 15.JUN.2020 16:24:49

802.11n ht40 Middle Channel



Date: 15.JUN.2020 16:27:34

802.11n ht40 High Channel



Date: 15.JUN.2020 16:34:38

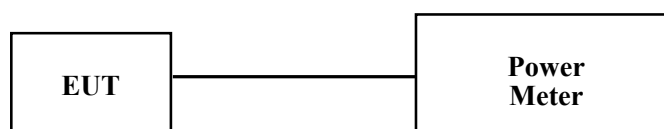
FCC §15.247(b) (3) - MAXIMUM PEAK CONDUCTED OUTPUT POWER

Applicable Standard

According to FCC §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 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 test equipment.
3. Add a correction factor to the display.
4. Set the power meter to test average output power, record the result as average power.



Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|---------------------------|-------------|---------------|------------------|----------------------|
| Unknown | Attenuator | UNAT-3+ | 15529 | Each time | N/A |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/03 | Each time | N/A |
| Agilent | USB Wideband Power Sensor | U2021XA | MY5425009 | 2020-05-09 | 2021-05-09 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

| | |
|---------------------------|------------|
| Temperature: | 27.6 °C |
| Relative Humidity: | 71 % |
| ATM Pressure: | 100.4 kPa |
| Test by: | Chris Mo |
| Test Date: | 2020-06-22 |

Test Mode: Transmitting

Test Result: Compliance. Please refer to the following table.

| Mode | Frequency (MHz) | Conducted Peak Output Power (dBm) | | | Limit (dBm) |
|--------------|-----------------|-----------------------------------|---------|-------|-------------|
| | | Chain 0 | Chain 1 | Total | |
| 802.11 b | 2412 | 13.66 | 10.54 | / | 30 |
| | 2437 | 15.87 | 11.59 | / | 30 |
| | 2462 | 17.01 | 11.76 | / | 30 |
| 802.11 g | 2412 | 21.73 | 20.23 | / | 30 |
| | 2437 | 21.82 | 20.86 | / | 30 |
| | 2462 | 21.84 | 20.55 | / | 30 |
| 802.11n ht20 | 2412 | 17.71 | 19.70 | 21.83 | 30 |
| | 2437 | 19.56 | 20.85 | 23.26 | 30 |
| | 2462 | 18.11 | 19.30 | 21.76 | 30 |
| 802.11n ht40 | 2422 | 13.01 | 14.83 | 17.02 | 30 |
| | 2427 | 15.33 | 17.25 | 19.41 | 30 |
| | 2432 | 17.53 | 18.36 | 20.98 | 30 |
| | 2437 | 19.01 | 20.07 | 22.58 | 30 |
| | 2442 | 17.15 | 18.83 | 21.08 | 30 |
| | 2447 | 15.32 | 16.76 | 19.11 | 30 |
| | 2452 | 13.36 | 14.39 | 16.92 | 30 |

Note:

The maximum antenna gain is 5dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

So:

Directional gain = 5dBi

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

Applicable Standard

According to FCC§15.247(d):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 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. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. 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.
5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------------|--------------------|--------------|----------------------|-------------------------|-----------------------------|
| R&S | EMI Test Receiver | ESCI | 100035 | 2019-09-19 | 2020-09-19 |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/03 | Each time | N/A |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

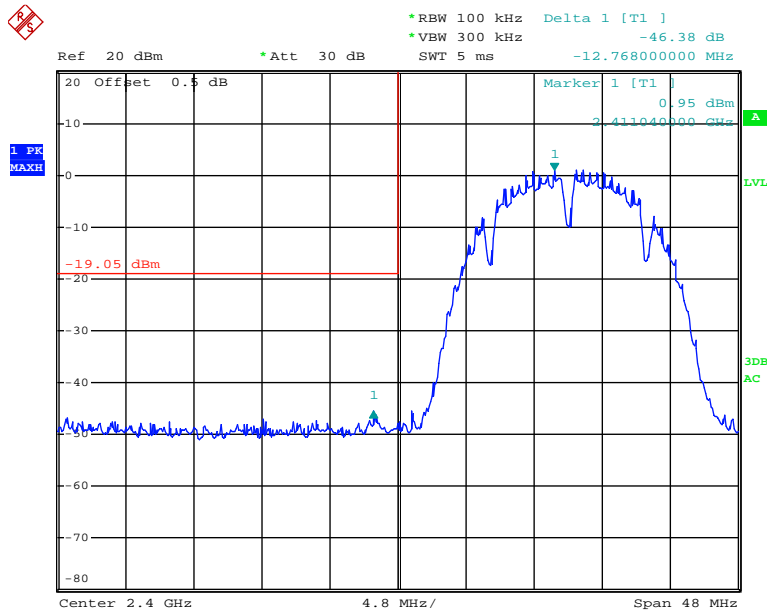
Environmental Conditions

| | |
|---------------------------|-----------------------|
| Temperature: | 27.6~27.9 °C |
| Relative Humidity: | 56~71% |
| ATM Pressure: | 100.4~100.9 kPa |
| Test by: | Chris Mo |
| Test Date: | 2020-06-15~2020-06-18 |

Test mode: Transmitting

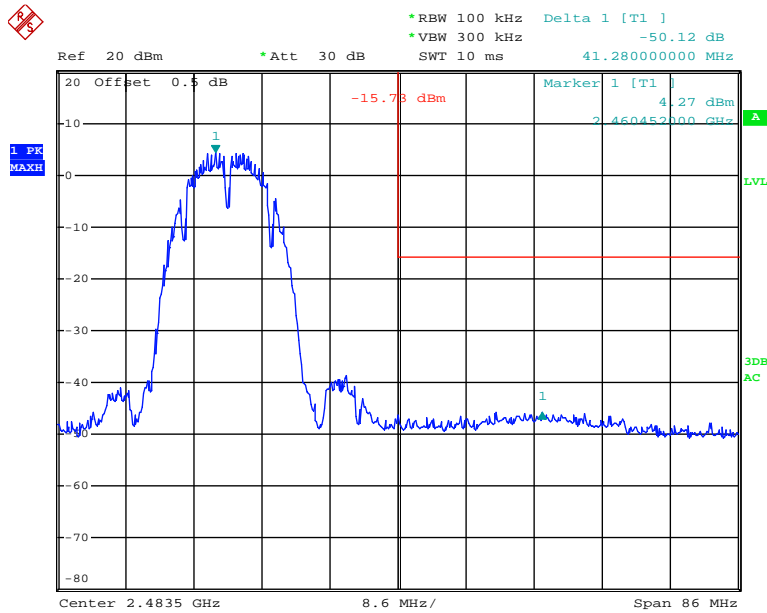
Test Result: Compliance. Please refer to following plots.

Chain 0, 802.11b: Band Edge, Left Side



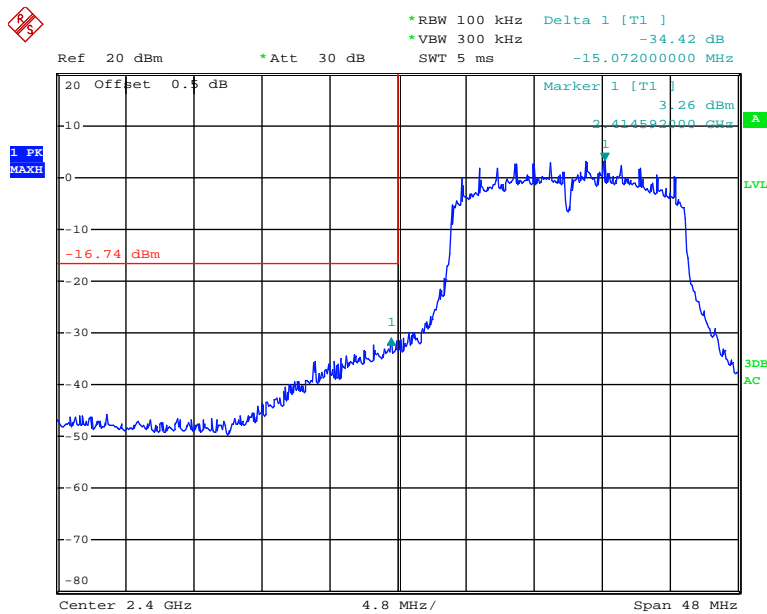
Date: 15.JUN.2020 16:50:23

Chain 0,802.11b: Band Edge, Right Side



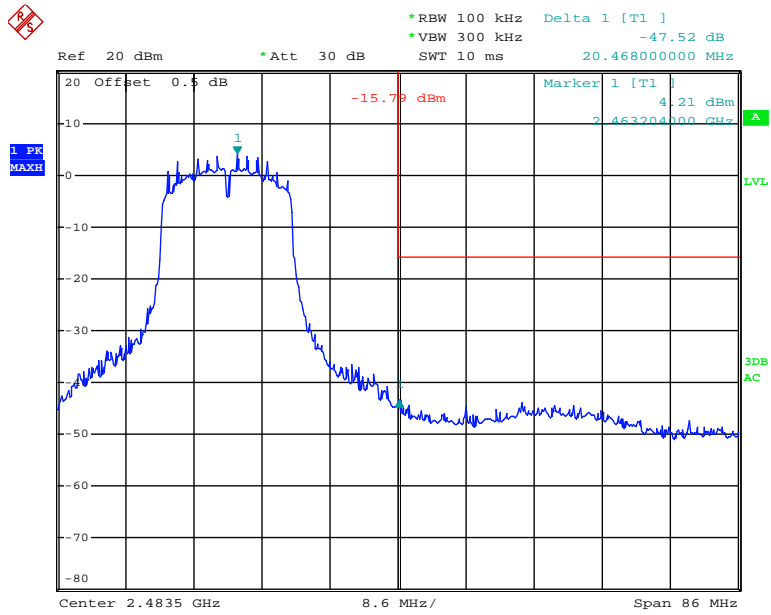
Date: 15.JUN.2020 16:06:22

Chain 0,802.11g: Band Edge, Left Side



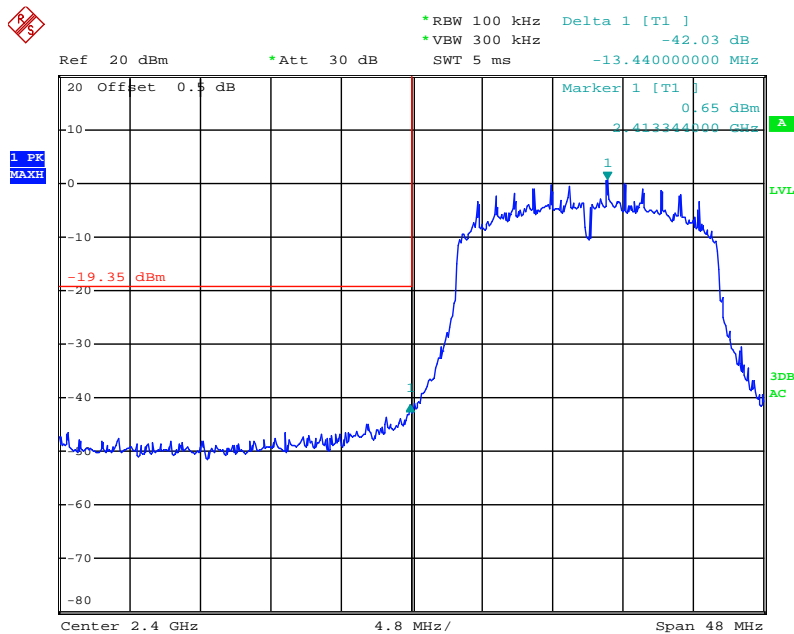
Date: 15.JUN.2020 16:09:44

Chain 0,802.11g: Band Edge, Right Side



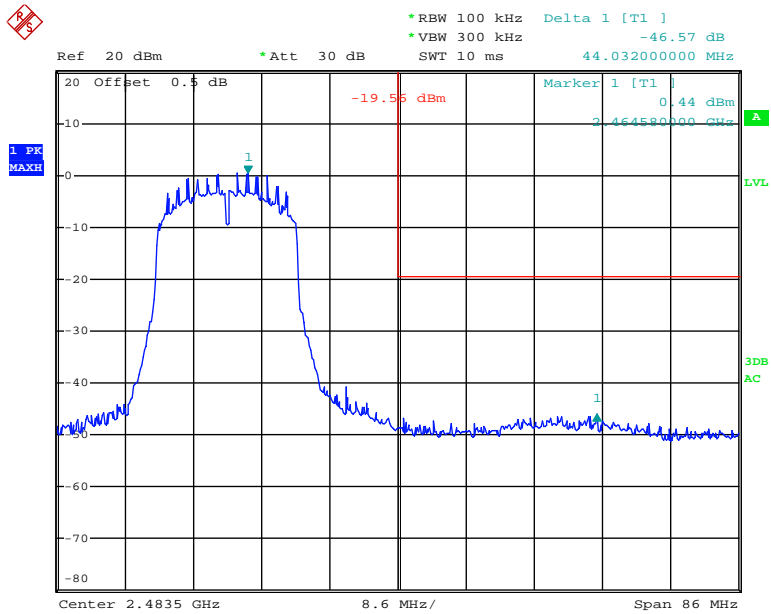
Date: 15.JUN.2020 16:15:54

Chain 0,802.11n ht20 Band Edge, Left Side



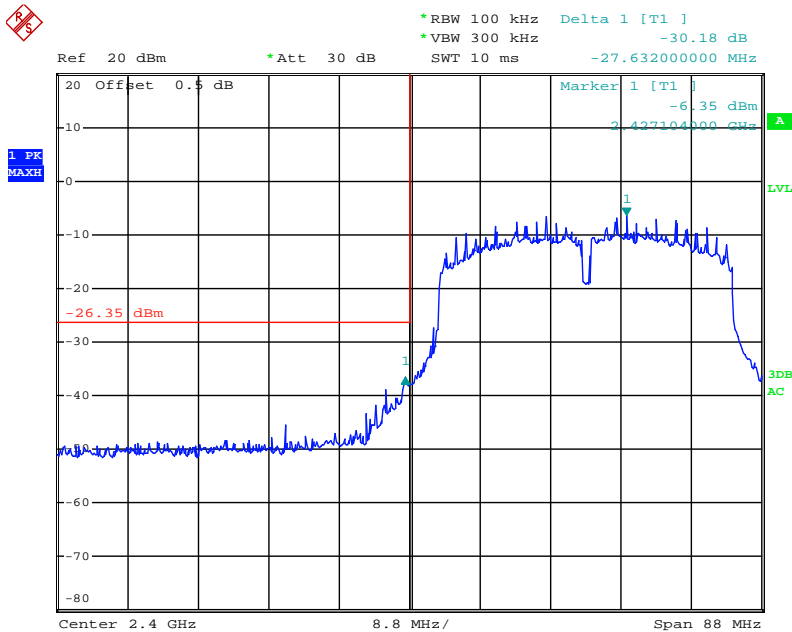
Date: 15.JUN.2020 16:20:35

Chain 0,802.11n ht20 Band Edge, Right Side



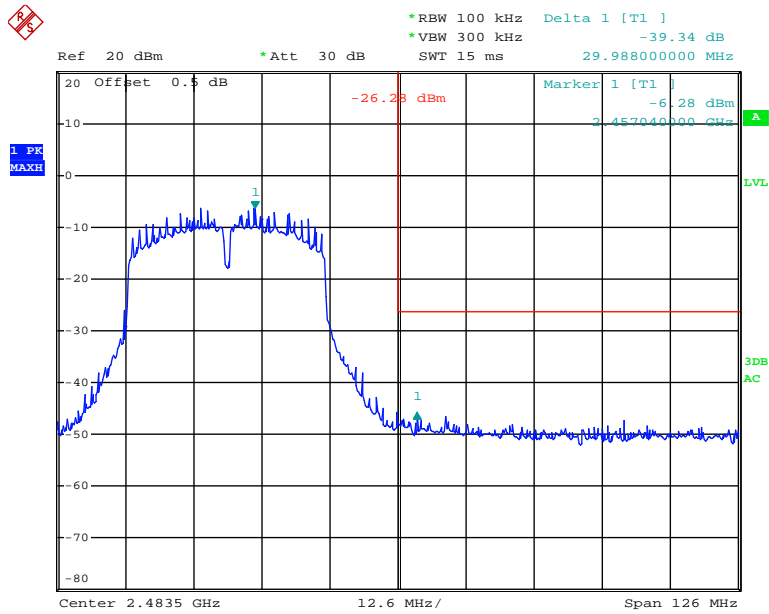
Date: 15.JUN.2020 16:23:36

Chain 0,802.11n ht40 Band Edge, Left Side



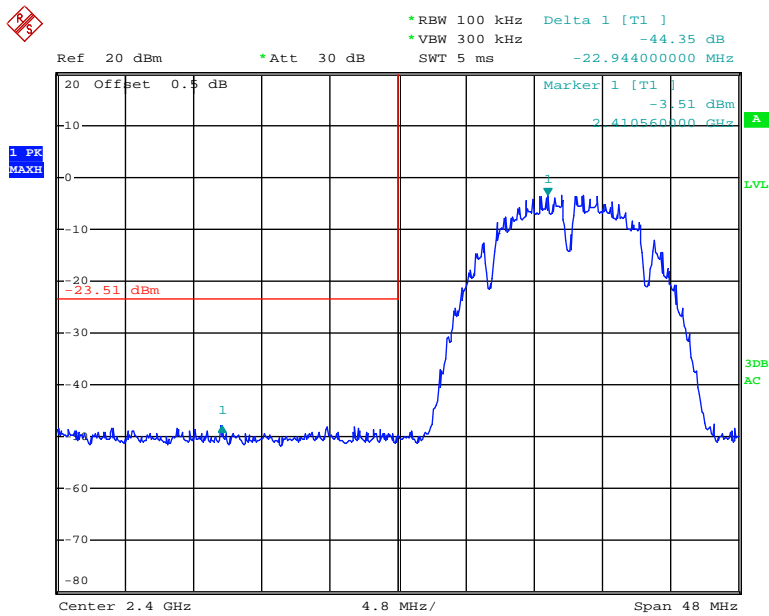
Date: 15.JUN.2020 16:26:38

Chain 0,802.11n ht40 Band Edge, Right Side



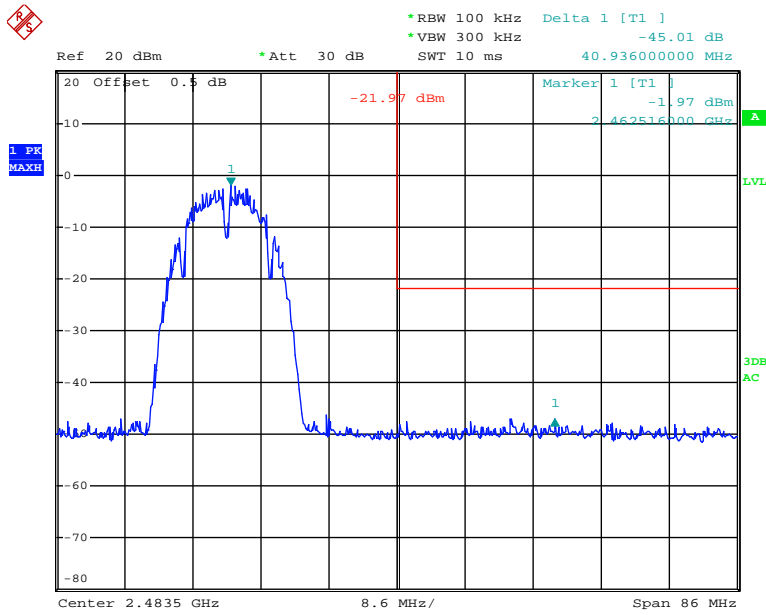
Date: 15.JUN.2020 16:36:09

Chain 1,802.11b: Band Edge, Left Side



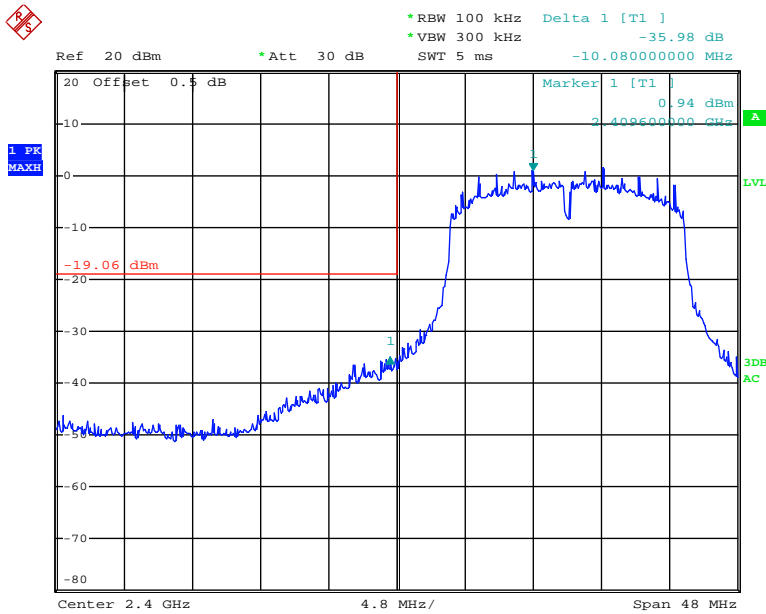
Date: 15.JUN.2020 17:03:36

Chain 1,802.11b: Band Edge, Right Side



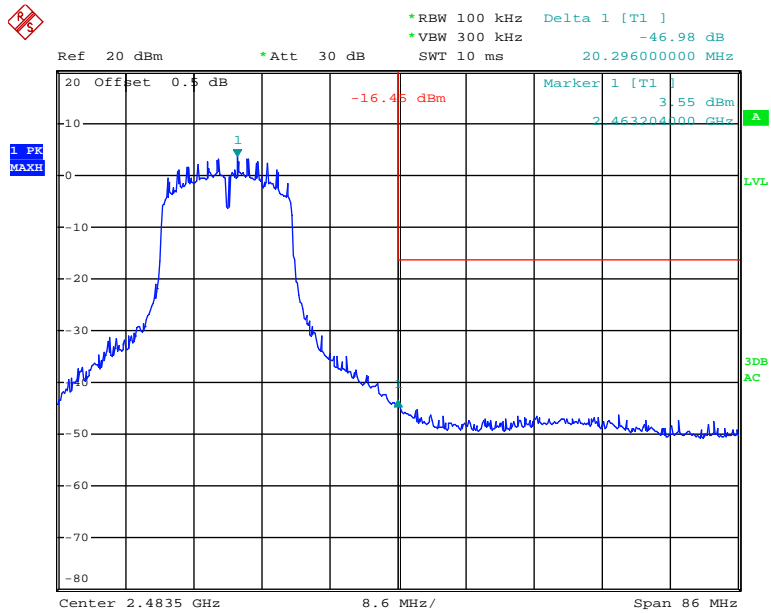
Date: 15.JUN.2020 17:05:08

Chain 1,802.11g: Band Edge, Left Side



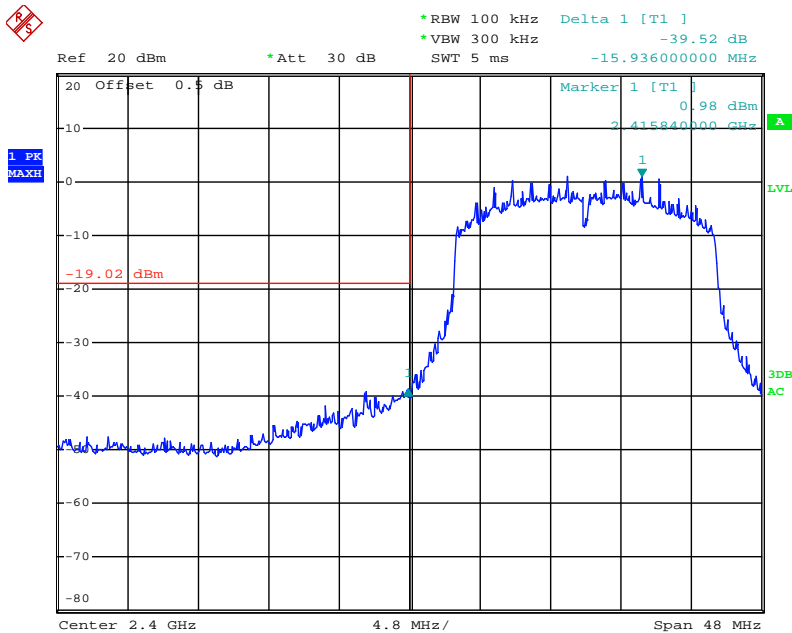
Date: 15.JUN.2020 16:59:50

Chain 1,802.11g: Band Edge, Right Side



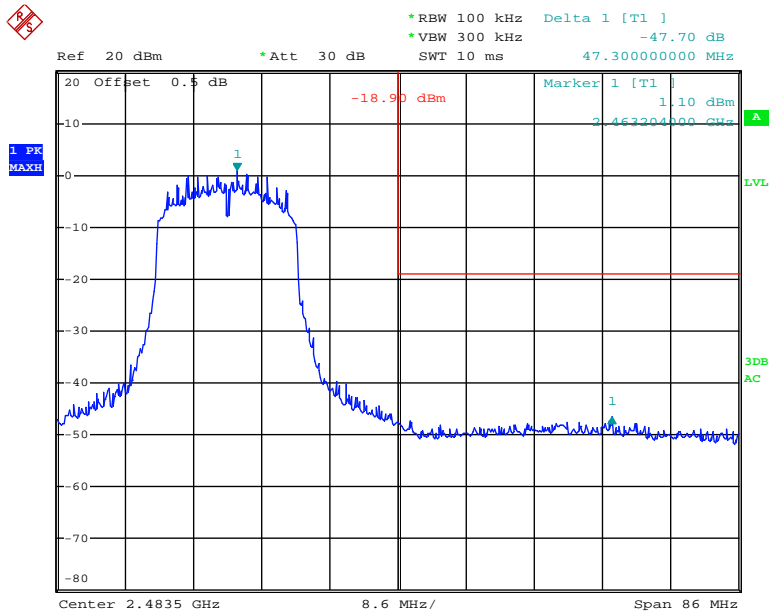
Date: 15.JUN.2020 17:09:03

Chain 1,802.11n ht20 Band Edge, Left Side



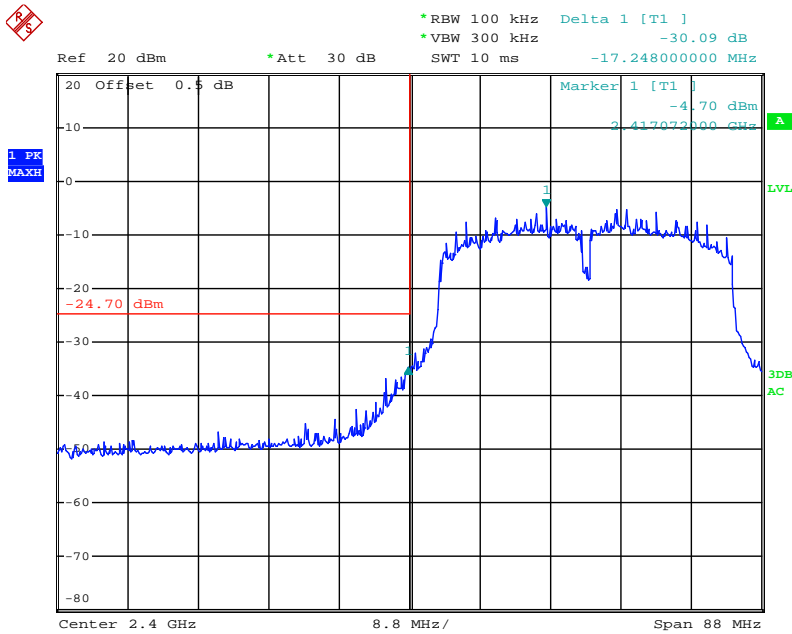
Date: 15.JUN.2020 17:11:06

Chain 1,802.11n ht20 Band Edge, Right Side



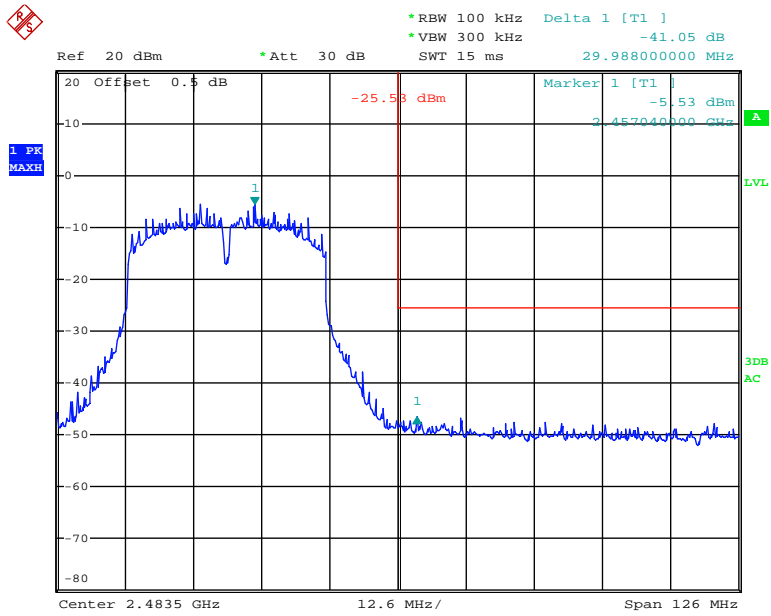
Date: 15.JUN.2020 17:15:20

Chain 1,802.11n ht40 Band Edge, Left Side



Date: 15.JUN.2020 17:17:11

Chain 1,802.11n ht40 Band Edge, Right Side



Date: 15.JUN.2020 17:22:54

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 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 was set 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. Set the RBW = 3 kHz, VBW = 10 kHz, Set the span to 1.5 times the DTS bandwidth.
4. Use the peak marker function to determine the maximum amplitude level.

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|-------------|---------------|------------------|----------------------|
| R&S | EMI Test Receiver | ESCI | 100035 | 2019-09-19 | 2020-09-19 |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/04 | Each time | N/A |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

| | |
|--------------------|-----------------------|
| Temperature: | 27.6~27.9 °C |
| Relative Humidity: | 69~71% |
| ATM Pressure: | 100.4~100.9 kPa |
| Test by: | Chris Mo |
| Test Date: | 2020-06-15~2020-06-18 |

Test Result: Compliance. *Please refer to the following table and plots*

Test Mode: Transmitting

| Test mode | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | | | Limit (dBm/3kHz) |
|--------------|-----------------|-----------------------------------|---------|--------|------------------|
| | | Chain 0 | Chain 1 | Total | |
| 802.11b | 2412 | -13.23 | -17.72 | / | ≤8 |
| | 2437 | -11.22 | -16.28 | / | ≤8 |
| | 2462 | -9.89 | -16.70 | / | ≤8 |
| 802.11g | 2412 | -10.86 | -11.59 | / | ≤8 |
| | 2437 | -10.85 | -10.49 | / | ≤8 |
| | 2462 | -9.86 | -10.10 | / | ≤8 |
| 802.11n ht20 | 2412 | -14.58 | -13.43 | -10.96 | ≤6 |
| | 2437 | -12.01 | -11.28 | -8.62 | ≤6 |
| | 2462 | -14.26 | -13.88 | -11.06 | ≤6 |
| 802.11n ht40 | 2422 | -20.78 | -19.86 | -17.29 | ≤6 |
| | 2437 | -15.01 | -13.75 | -11.32 | ≤6 |
| | 2452 | -20.57 | -19.96 | -17.24 | ≤6 |

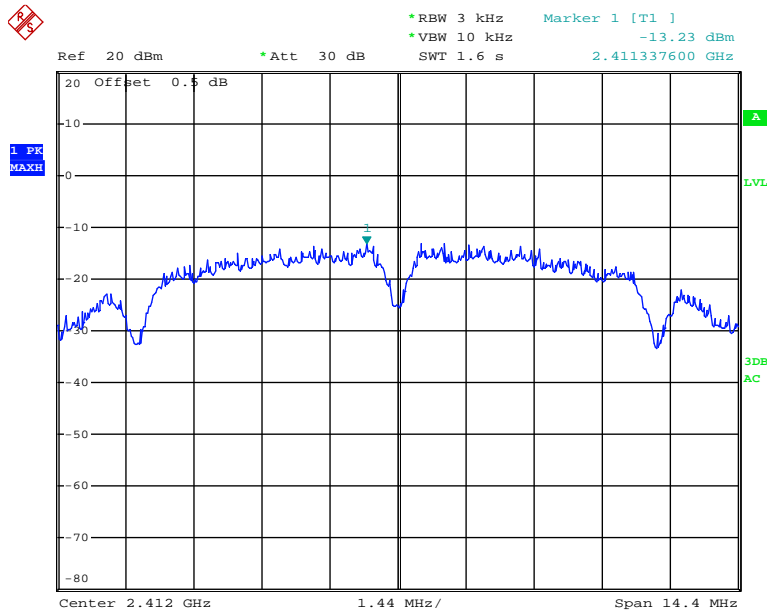
Note 1: The maximum antenna gain is 5 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

$$\text{Array Gain} = 10 \log(N_{\text{ANT}}/N_{\text{SS}}) \text{ dB.}$$

So:

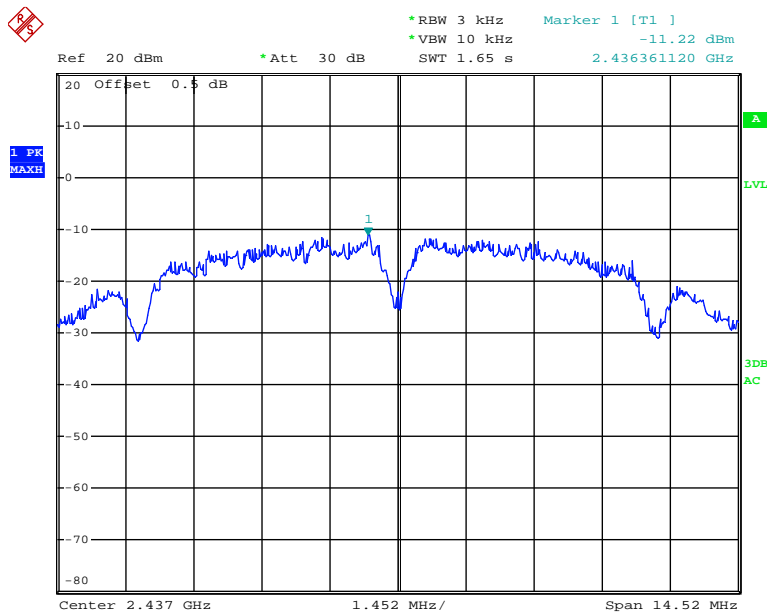
$$\text{Directional gain} = G_{\text{ANT}} + \text{Array Gain} = 5 + 10 \cdot \log(2/1) = 8 \text{ dBi}$$

Chain 0, Power Spectral Density, 802.11b Low Channel



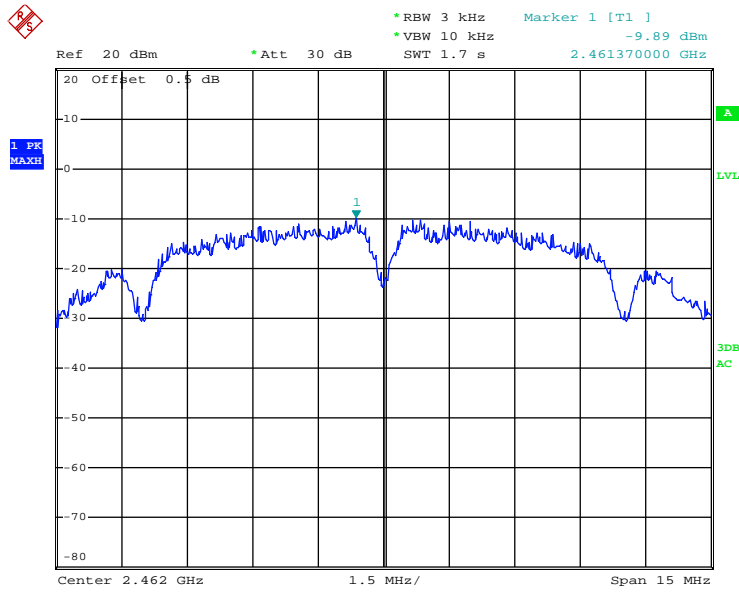
Date: 15.JUN.2020 16:51:12

Chain 0, Power Spectral Density, 802.11b Middle Channel



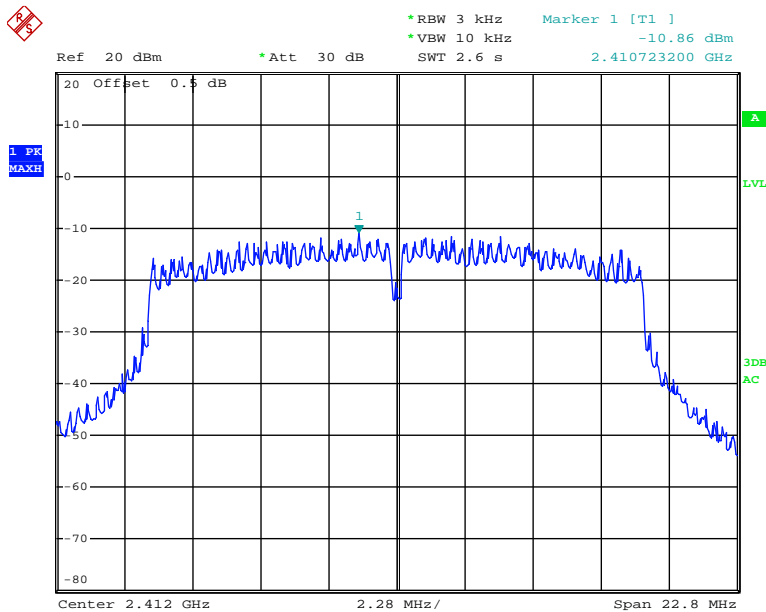
Date: 15.JUN.2020 16:03:32

Chain 0,Power Spectral Density, 802.11b High Channel



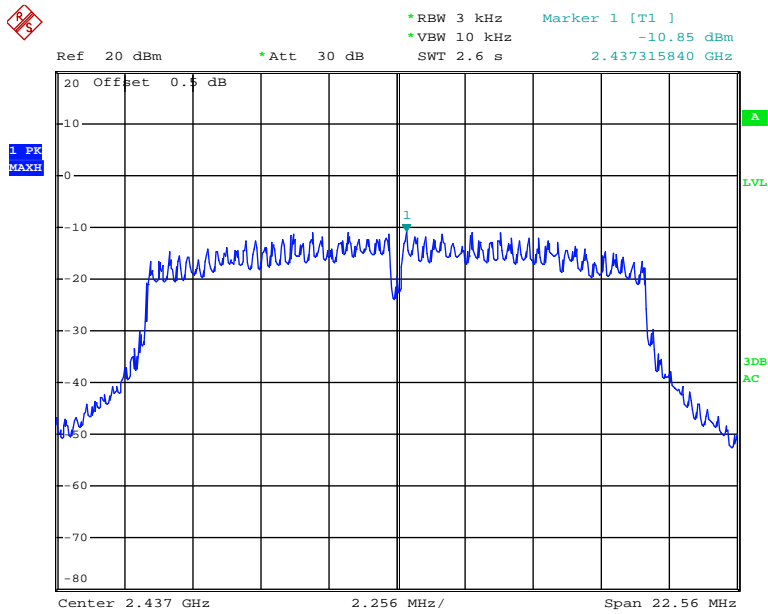
Date: 15.JUN.2020 16:06:06

Chain 0,Power Spectral Density, 802.11g Low Channel



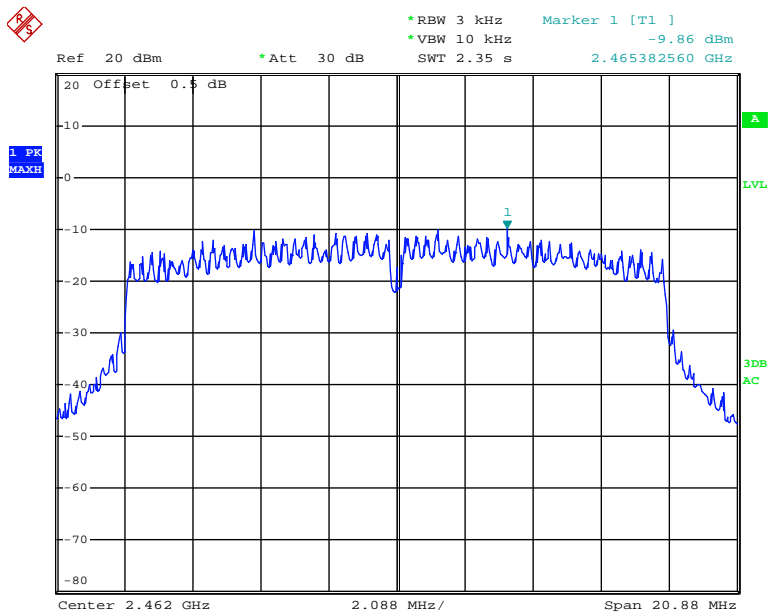
Date: 15.JUN.2020 16:09:28

Chain 0, Power Spectral Density, 802.11g Middle Channel



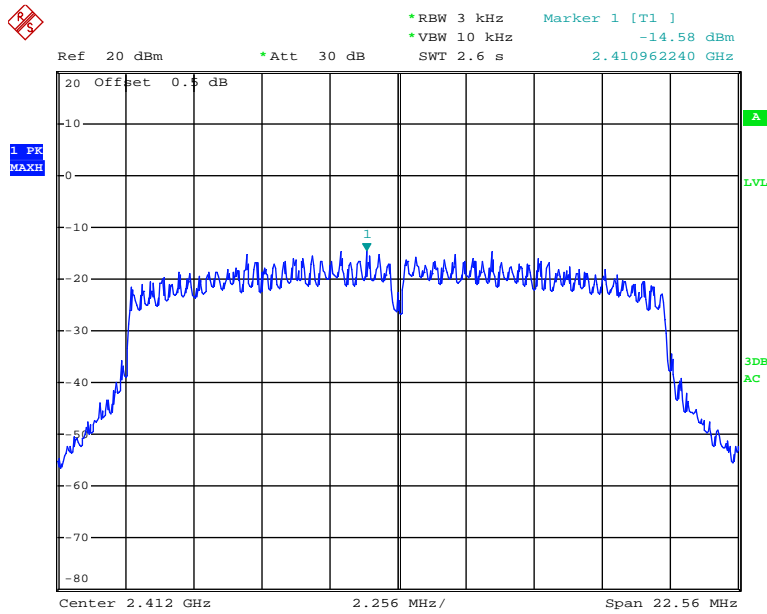
Date: 15.JUN.2020 16:11:30

Chain 0, Power Spectral Density, 802.11g High Channel



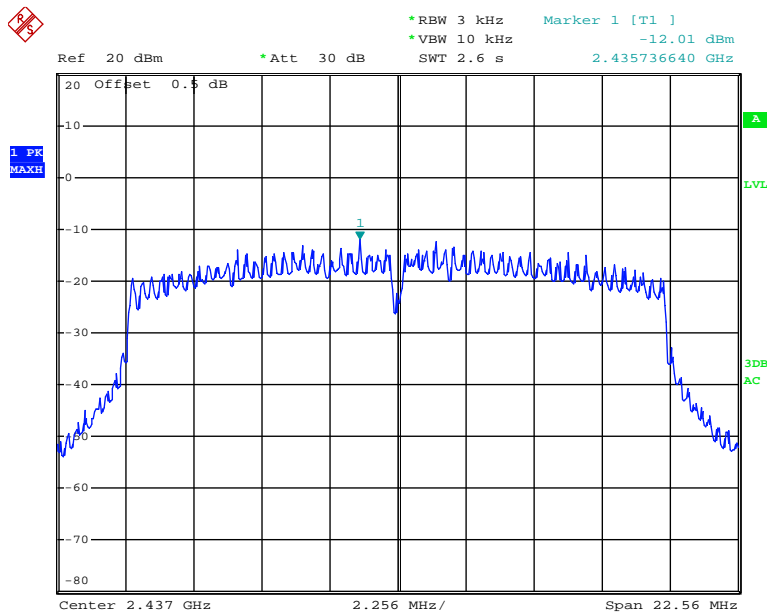
Date: 15.JUN.2020 16:15:38

Chain 0, Power Spectral Density, 802.11n ht20 Low Channel



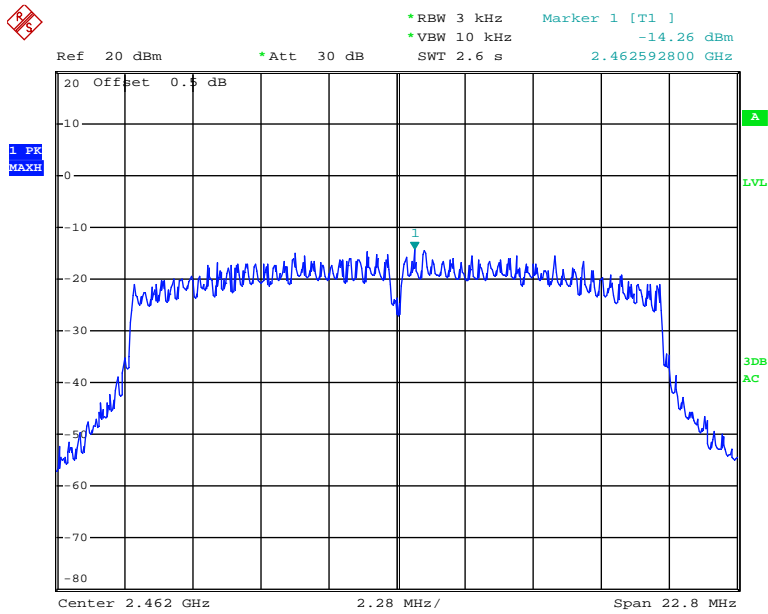
Date: 15.JUN.2020 16:20:22

Chain 0, Power Spectral Density, 802.11n ht20 Middle Channel



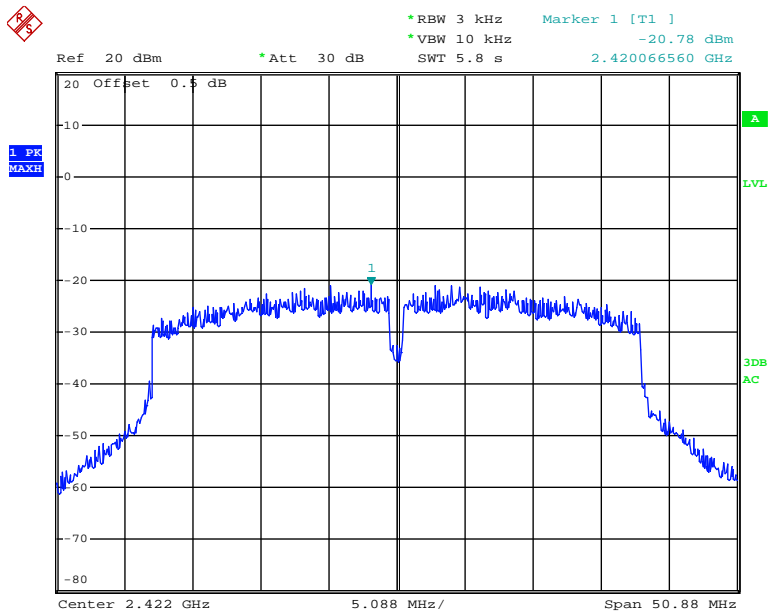
Date: 15.JUN.2020 16:21:55

Chain 0, Power Spectral Density, 802.11n ht20 High Channel



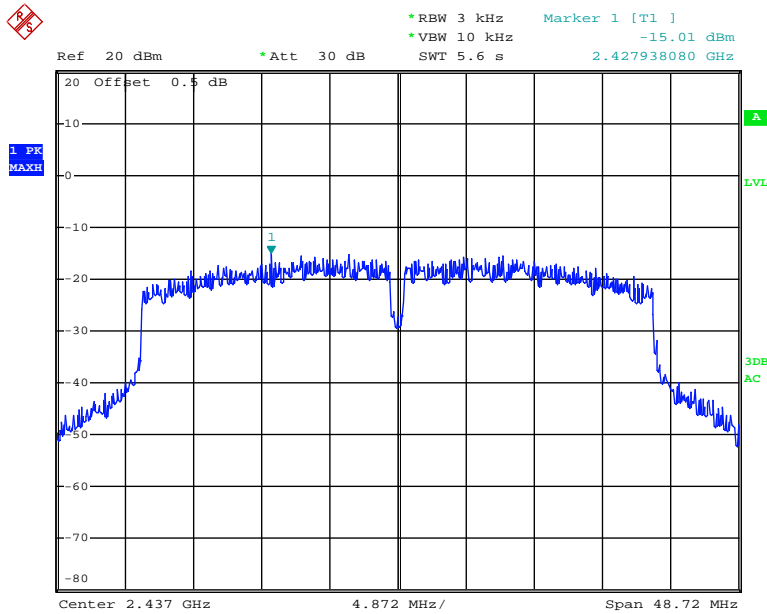
Date: 15.JUN.2020 16:23:23

Chain 0, Power Spectral Density, 802.11n ht40 Low Channel



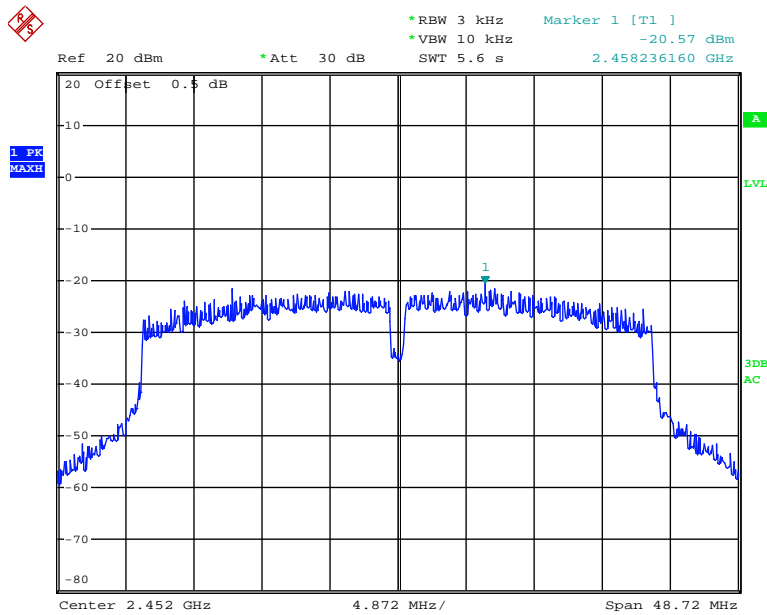
Date: 15.JUN.2020 16:26:25

Chain 0,Power Spectral Density, 802.11n ht40 Middle Channel



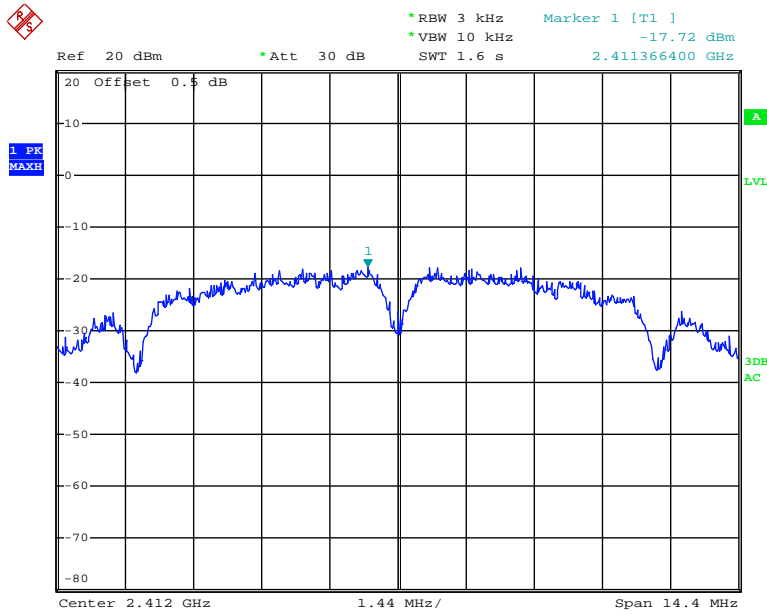
Date: 15.JUN.2020 16:28:48

Chain 0,Power Spectral Density, 802.11n ht40 High Channel



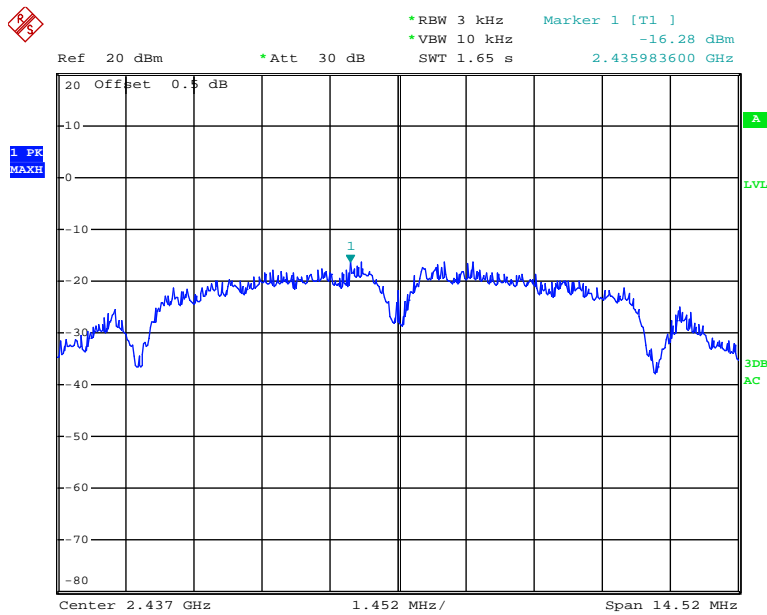
Date: 15.JUN.2020 16:35:56

Chain 1,Power Spectral Density, 802.11b Low Channel



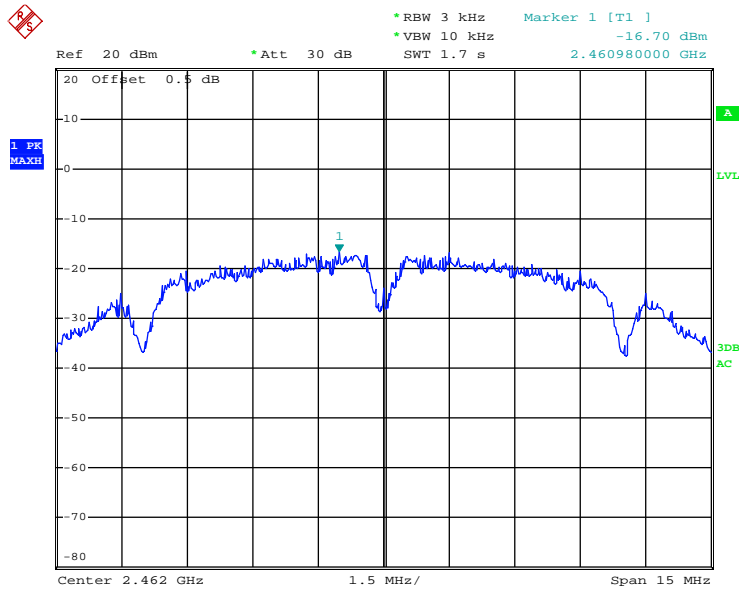
Date: 15.JUN.2020 17:03:19

Chain 1,Power Spectral Density, 802.11b Middle Channel



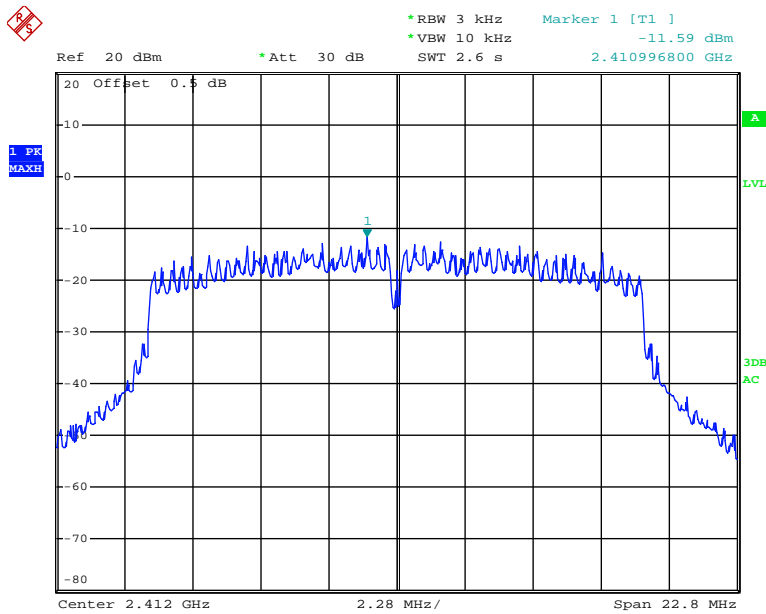
Date: 15.JUN.2020 17:04:16

Chain 1, Power Spectral Density, 802.11b High Channel



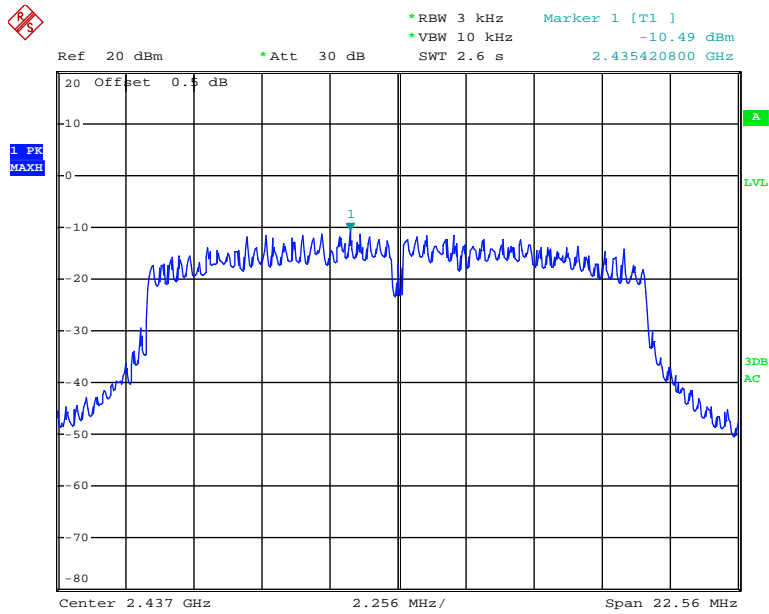
Date: 15.JUN.2020 17:04:55

Chain1, Power Spectral Density, 802.11g Low Channel



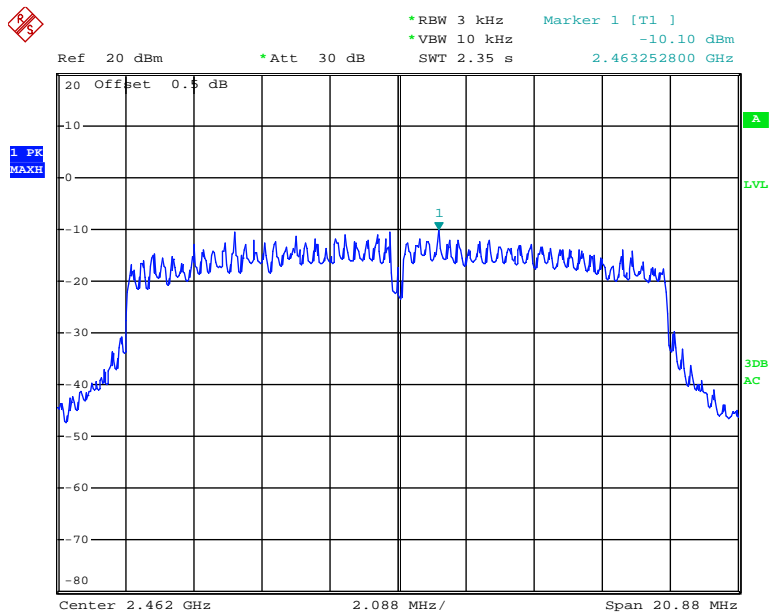
Date: 15.JUN.2020 16:59:37

Chain 1, Power Spectral Density, 802.11g Middle Channel



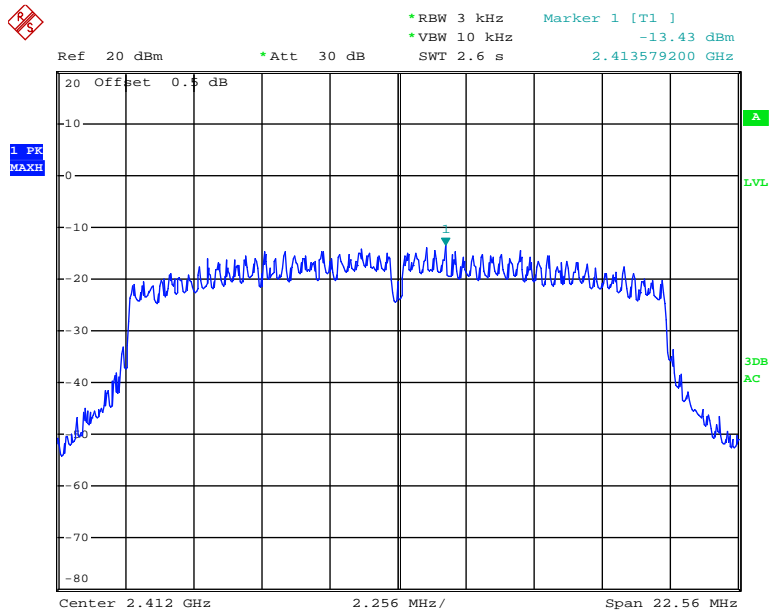
Date: 15.JUN.2020 17:07:44

Chain1, Power Spectral Density, 802.11g High Channel



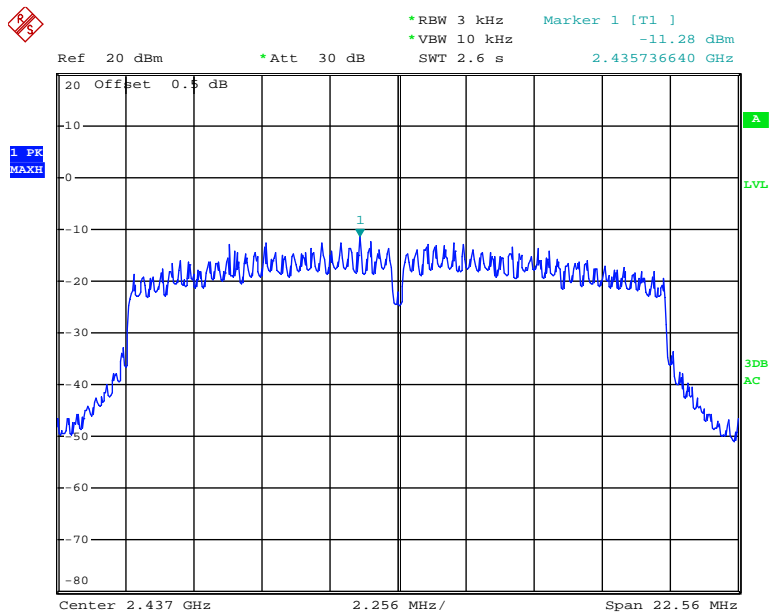
Date: 15.JUN.2020 17:08:47

Chain1,Power Spectral Density, 802.11n ht20 Low Channel



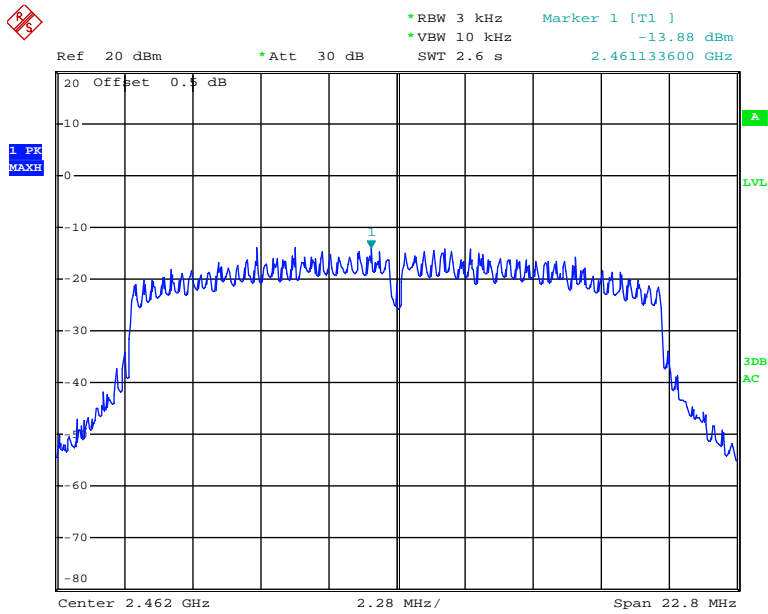
Date: 15.JUN.2020 17:10:26

Chain 1,Power Spectral Density, 802.11n ht20 Middle Channel



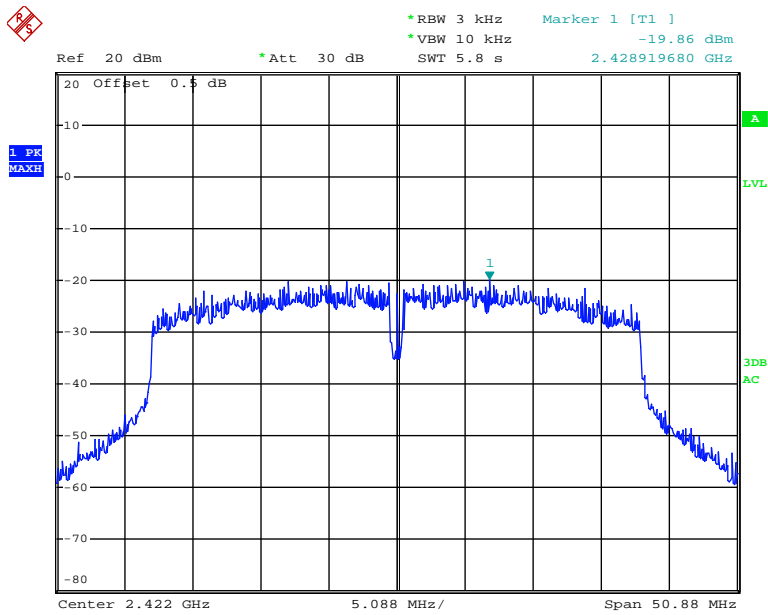
Date: 15.JUN.2020 17:12:57

Chain 1, Power Spectral Density, 802.11n ht20 High Channel



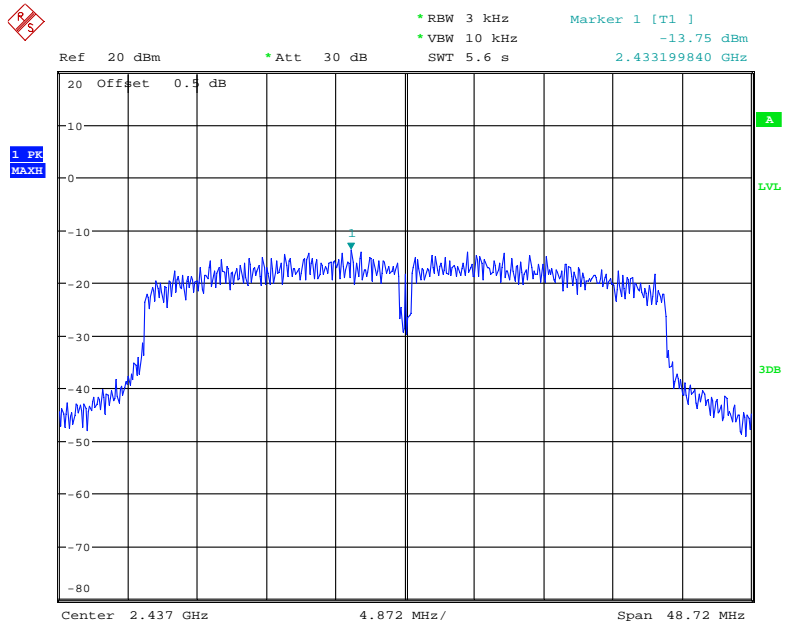
Date: 15.JUN.2020 17:15:07

Chain 1, Power Spectral Density, 802.11n ht40 Low Channel



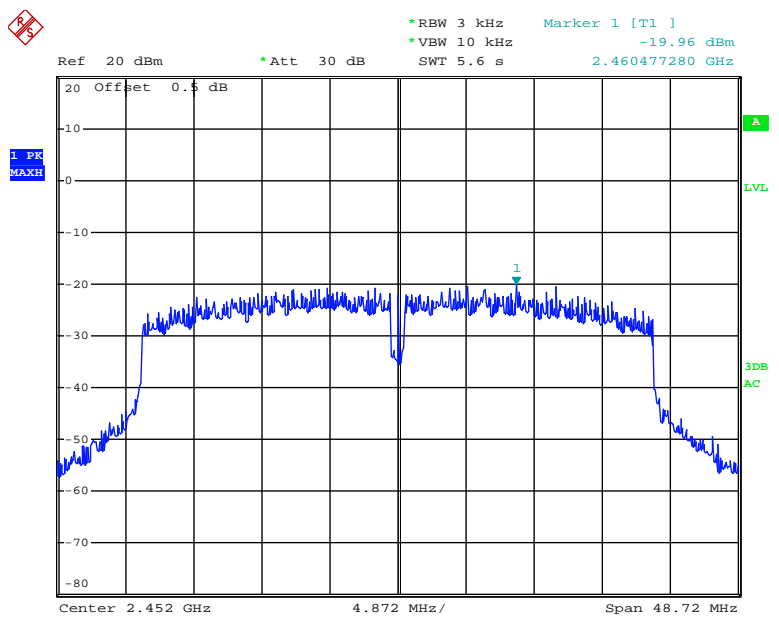
Date: 15.JUN.2020 17:16:58

Chain 1, Power Spectral Density, 802.11n ht40 Middle Channel



Date: 18.JUN.2020 12:02:03

Chain 1, Power Spectral Density, 802.11n ht40 High Channel



Date: 15.JUN.2020 17:22:41

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