

Produkte  
 Products

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                     |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Prüfbericht - Nr.:</b> 19660166 001                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>Seite 1 von 98</b>                                                                                                                                               |              |
| <i>Test Report No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | <i>Page 1 of 98</i>                                                                                                                                                 |              |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Isabella Products, Inc.<br>23 Bradford Street, 2nd Floor<br>Concord, MA 01742                                                                                       |              |
| <b>Gegenstand der Prüfung:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Fable Tablet                                                                                                                                                        |              |
| <b>Bezeichnung:</b><br><i>Identification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <b>Serien-Nr.:</b><br><i>Serial No.</i>                                                                                                                             | 150531000003 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | FABLE 001 – ORG<br>FABLE 001 – BLK<br>FABLE 001 – ORD<br>FABLE 001 – BLU                                                                                            |              |
| <b>Wareneingangs-Nr.:</b><br><i>Receipt No.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Eingangsdatum:</b><br><i>Date of receipt:</i>                                                                                                                    | 06.03.2015   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 1803067493                                                                                                                                                          |              |
| <b>Prüfort:</b><br><i>Testing location:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Refer Page 4 of 98 for test facilities                                                                                                                              |              |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | FCC Part 15: Subpart C<br>ANSI C63.10-2009                                                                                                                          |              |
| <b>Prüfergebnis:</b><br><i>Test Result:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).<br>The test items passed the test specification(s).                                                  |              |
| <b>Prüflaboratorium:</b><br><i>Testing Laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                              |  | TÜV Rheinland (India) Pvt. Ltd.<br>82/A, 3rd Main, West Wing, Electronic City Phase 1<br>Hosur Road, Bangalore – 560 100, India<br><br>FCC Registration No.: 176555 |              |
| <b>geprüft / tested by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>kontrolliert / reviewed by:</b>                                                                                                                                  |              |
| 11.03.2015    Girish Kumar.G<br>Datum      Name/Stellung    Unterschrift<br>Date        Name/Position    Signature                                                                                                                                                                                                                                                                                                                                                                  |  | 26.03.2015    Raghavendra Kulkarni<br>Datum      Name/Stellung    Unterschrift<br>Date        Name/Position    Signature                                            |              |
| <b>Sonstiges / Other Aspects:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | FCC ID : 2ADNZ10490056                                                                                                                                              |              |
| <b>Abkürzungen:</b> P(ass) = entspricht Prüfgrundlage<br>F(ail) = entspricht nicht Prüfgrundlage<br>N/A = nicht anwendbar<br>N/T = nicht getestet                                                                                                                                                                                                                                                                                                                                   |  | <b>Abbreviations:</b> P(ass) = passed<br>F(ail) = failed<br>N/A = not applicable<br>N/T = not tested                                                                |              |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br><i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i> |  |                                                                                                                                                                     |              |

 TÜV Rheinland India Pvt. Ltd. 82/A, 3rd Main, West Wing Electronic City Phase 1, Hosur Road, Bangalore-560100, India  
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**Test Result Summary**

| Clause                  | Test Item                                                     | Result |
|-------------------------|---------------------------------------------------------------|--------|
| FCC 15.247(b) (3)       | Maximum Average Conducted Output Power                        | Pass   |
| FCC 15.247(a) (2)       | 6dB Bandwidth                                                 | Pass   |
| FCC 15.247(e)           | Maximum Power Spectral Density                                | Pass   |
| FCC 15.247(d)           | Emissions in non-restricted frequency bands                   | Pass   |
| FCC 15.209 / FCC 15.205 | Spurious Radiated Emissions and Restricted Bands of Operation | Pass   |
| FCC 15.207              | Conducted emission test on a.c Power line                     | Pass   |

**Note:** Conducted measurements are done according to the procedure given in KDB No. **558074**  
**D01 DTS Meas Guidance v03r02**

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## List of Test and Measurement Instruments

### Testing Facilities

- 1) TÜV Rheinland (India) Pvt. Ltd.  
82/A, 3rd Main, West Wing, Electronic City,  
West Phase, Hosur Road  
Bangalore - 560 100.

| Equipment         | Manufacturer         | Model Name | Serial Number | Calibration Due Date | Periodicity | Used for Test Items            |
|-------------------|----------------------|------------|---------------|----------------------|-------------|--------------------------------|
| Spectrum Analyser | Agilent Technologies | E4407B     | US41192772    | 27.03.2015           | Yearly      | Antenna - Port Conducted Tests |

- 2) TUV Rheinland (India) Private Limited  
108 , Beside ISBR Business School,  
Electronic city Phase I  
Bangalore - 560 100.

| Equipment              | Manufacturer    | Model Name | Serial Number | Calibration Due Date | Periodicity | Used for Test Items                  |
|------------------------|-----------------|------------|---------------|----------------------|-------------|--------------------------------------|
| EMI Test Receiver      | Rohde & Schwarz | ESU 40     | 100288        | 20.06.2015           | Yearly      | Spurious Radiated Emissions          |
| Broadband Antenna      | Frankonia       | ALX-4000   | ALX-4000-806  | 22.06.2015           | Yearly      |                                      |
| Active Loop Antenna    | Frankonia       | LAX-10     | LAX-10-800    | 22.06.2015           | Yearly      |                                      |
| Broadband Horn Antenna | Frankonia       | HAX-18     | HAX18-802     | 22.06.2015           | Yearly      |                                      |
| Emission Horn Antenna  | ETS Lindgren    | 116706     | 00107323      | 22.06.2015           | Yearly      |                                      |
| Anechoic Chamber       | Frankonia       | -          | -             | -                    | -           | Conducted Emission on AC power lines |
| LISN                   | Rohde & Schwarz | ENV216     | 100022        | 12.09.2015           | Yearly      |                                      |
| EMI Receiver           | Rohde & Schwarz | ESR7       | 101133        | 19.11.2015           | Yearly      |                                      |

## General Product Information

### Product Function and Intended Use

Fable is a 7 inch tablet designed for kid's entertainment and education purpose. Fable is designed to use as handheld computer with the plastic enclosure. This unit can get connected to internet/servers using WIFI connectivity. It provides the necessary education and entertainment contents on 7 inch LCD Screen. It also features touch panel input, 3MP camera, Accelerometer, internal Mic and Speaker with Head phone connectivity. This battery powered unit is intended for the personal use and expected to be used at the close proximity of the human body.

### Ratings and System Details

|                               |                                                                                                                             |           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------|
| Operating Frequency Range     | 2400MHz – 2483.50MHz                                                                                                        |           |
| No. of channel                | 11                                                                                                                          |           |
| Channel Spacing               | 5MHz                                                                                                                        |           |
| Transmitted Power             | 802.11b                                                                                                                     | 09.77 dBm |
|                               | 802.11g                                                                                                                     | 05.61 dBm |
|                               | 802.11n                                                                                                                     | 05.52 dBm |
| Data Rate                     | 802.11b: 1,2, 5.5,11 Mbps<br>802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br>802.11n: 6.5, 14.4, 21.7, 28.9, 39, 57.8, 65Mbps |           |
| Number of antenna             | One                                                                                                                         |           |
| Antenna Gain and Antenna type | 0.8dBi, Chip Multilayer Antenna                                                                                             |           |
| Supply Voltage to Product     | 5V DC                                                                                                                       |           |
| Environmental                 | Operational Temperature: 0°C to 45° C                                                                                       |           |

### Test Conditions:

Supply Voltage: 5V DC from Power Charger

### Environmental conditions:

Temperature: +24.2 °C      RH: 54%

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## **Test Set-up and Operation Mode**

### **Principle of Configuration Selection**

Transmission was enabled with 100% duty cycle duty on low, mid and high channel.

### **Test Operation and Test Software**

Test software was used to enable the transmission with 100% duty cycle, changing channels (low/mid/high) and data rates on the EUT for the tests in this report.

### **Special Accessories and Auxiliary Equipment**

- None

### **Countermeasures to achieve EMC Compliance**

- Testing was conducted with the Power adaptor cable connected to the AC mains (5v supply for charging EUT). A ferrite bead 1422858, Make: Shenzhen Kedahui Technology CO., LTD. (Refer Test Setup Photos) was added on the Power adaptor cable, closer to the EUT side.

### **Test Modes – Data Rates and Modulations**

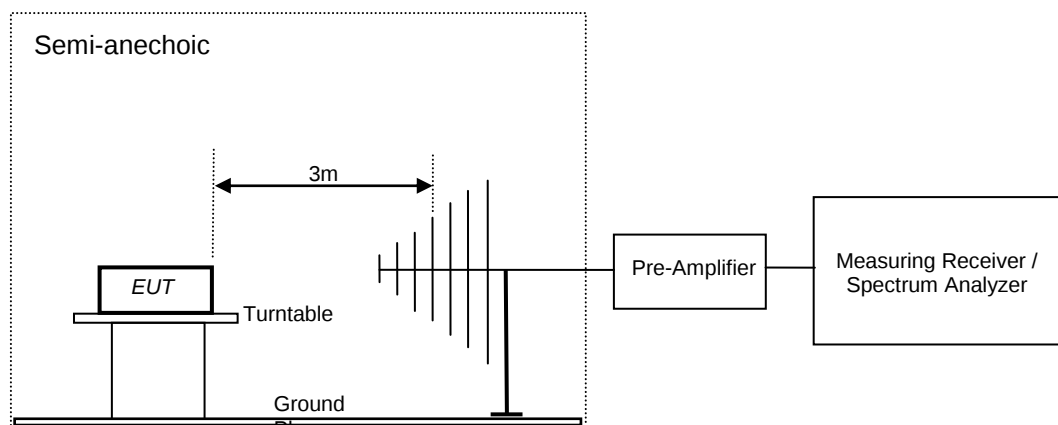
For Radiated spurious emissions, the tests were performed for all data rates and only worst case results are reported in this report.

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## Test Methodology

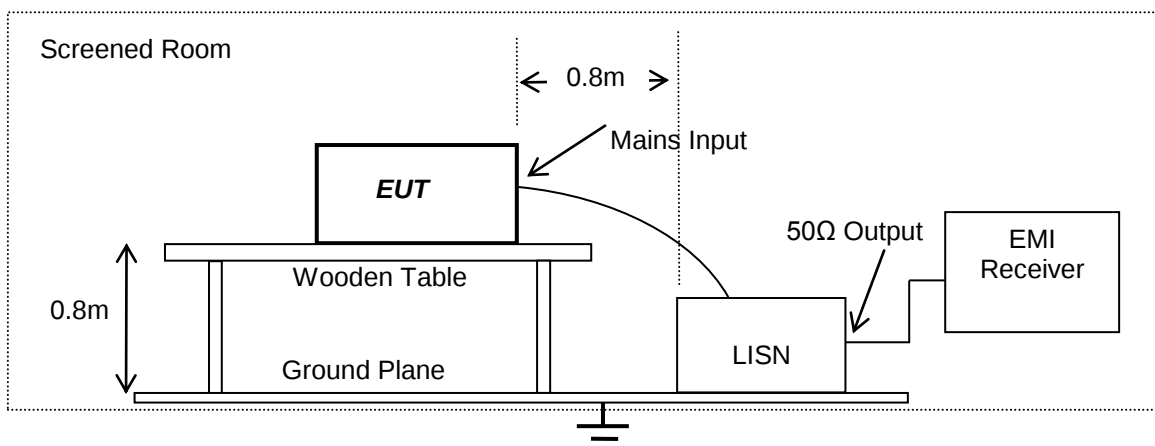
### Radiated Emission Test

The radiated emission measurement was performed according to the procedures in ANSI C63.10 - 2009. The equipment under test (EUT) was placed at the middle of the 80 cm high turntable, and the EUT is 3 meters far from the measuring antenna. The turntable was rotated 360° for obtaining the maximum emission. The height of the measuring antennas was scanned between 1m and 4m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. Repeat the measurement steps until the maximum emissions were obtained. The measurement above 1000MHz was performed by horn antenna. The measurement below 30MHz was performed by loop antenna. The EUT was rotated around the X-, Y-, and Z-Axis and the results from worst case axis are recorded.



### Conducted Emission Test on A.C. mains line

The equipment under test (EUT) was placed on a wooden table 80cm above the ground plane, the LISN was placed 80cm away from the EUT. The test was performed in accordance with ANSI C63.10 - 2009, with the following: an initial measurement was performed in peak and average detection mode on the live and neutral lines. The pre-scan was performed by peak detection on both live and neutral conductors. Any emissions recorded within 20dB of the relevant limit line were re-measured using quasi-peak and average detections, the 6 worst cases were recorded in the table of results.



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## Test Results

**Maximum Average Conducted Output Power**

**Section 15.247(b) (3)**

**Result**

**Pass**

|                             |                       |
|-----------------------------|-----------------------|
| Test Specification          | FCC Part 15 Subpart C |
| Measurement Bandwidth (RBW) | 1MHz                  |
| Requirement                 | <1 watt (30dBm).      |

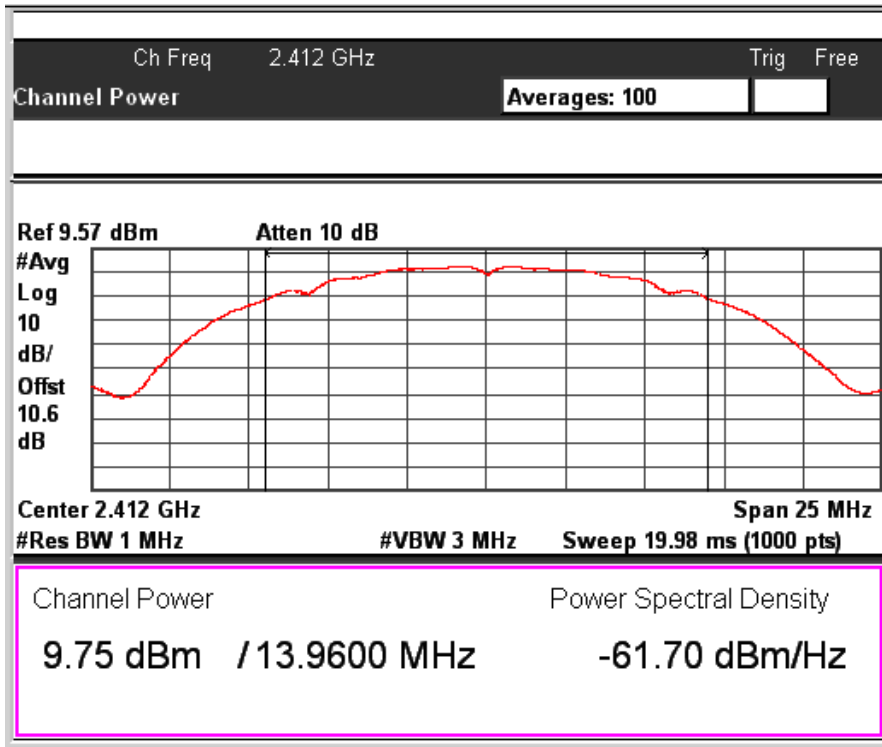
**Test Method:**



**Note:** For measurement of Maximum Average conducted output power method AVGSA-1 was used

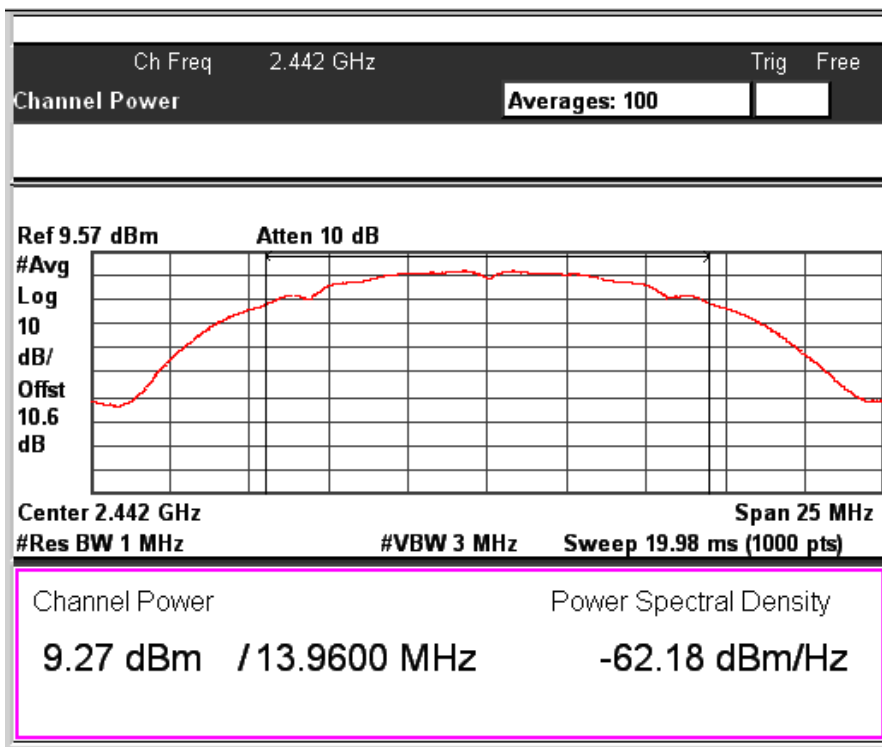
**Test Result: Wi-Fi**

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Total Power (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|------------------|-------------------------|-------------------|-------------|-------------|
| b               | 1                | 2412.00                 | 09.75             | 30.00       | -20.25      |
|                 |                  | 2442.00                 | 09.27             | 30.00       | -20.73      |
|                 |                  | 2462.00                 | 08.80             | 30.00       | -21.20      |
|                 | 11               | 2412.00                 | 09.77             | 30.00       | -20.23      |
|                 |                  | 2442.00                 | 09.17             | 30.00       | -20.83      |
|                 |                  | 2462.00                 | 08.97             | 30.00       | -21.03      |



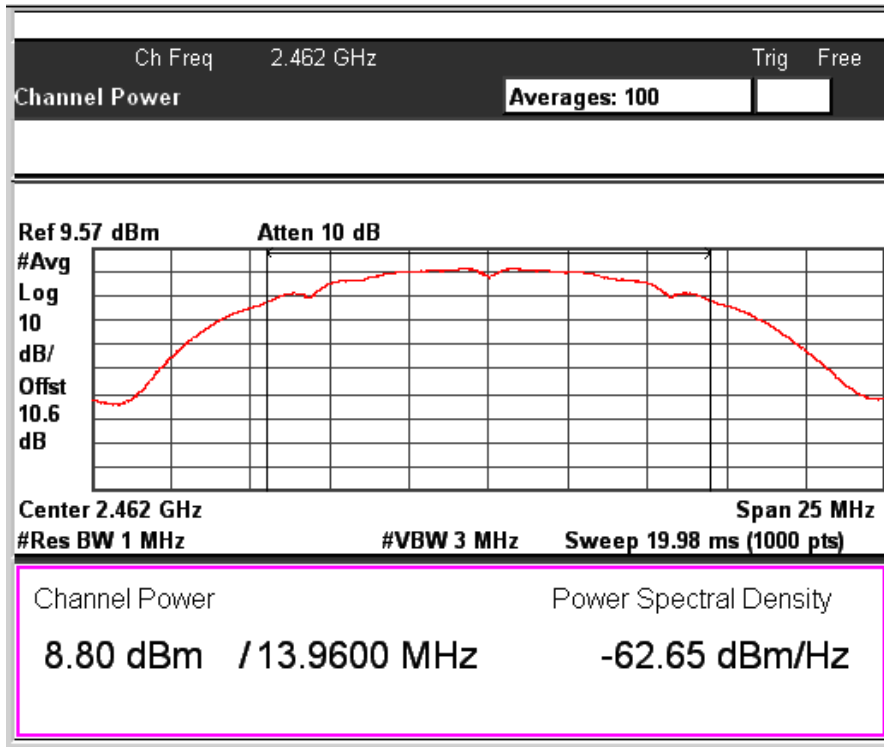
Data rate: 1 Mbps

Channel Frequency: 2412 MHz



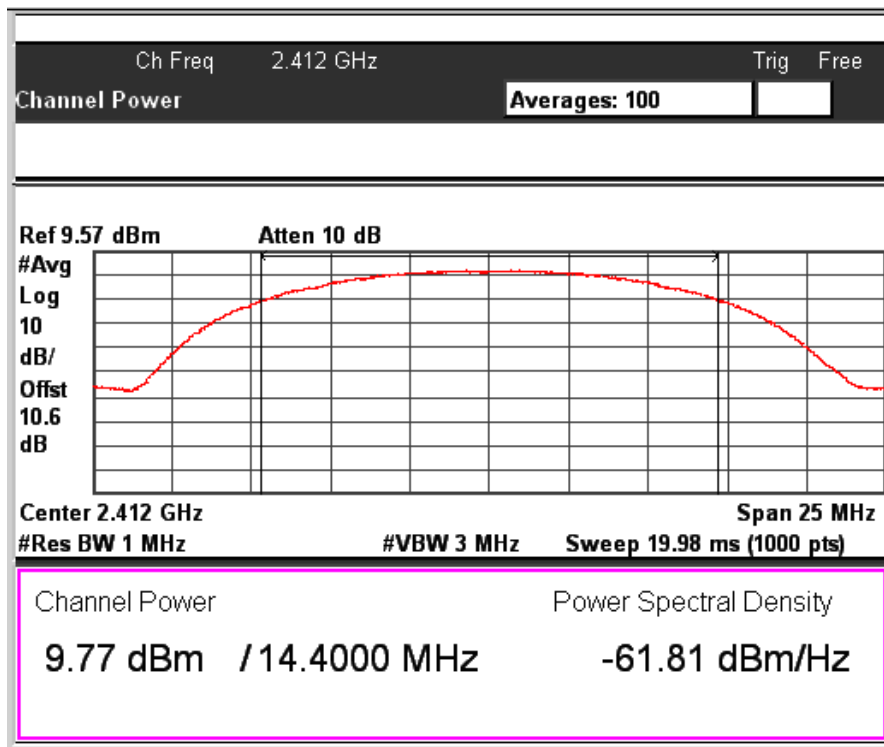
Data rate: 1 Mbps

Channel Frequency: 2442 MHz



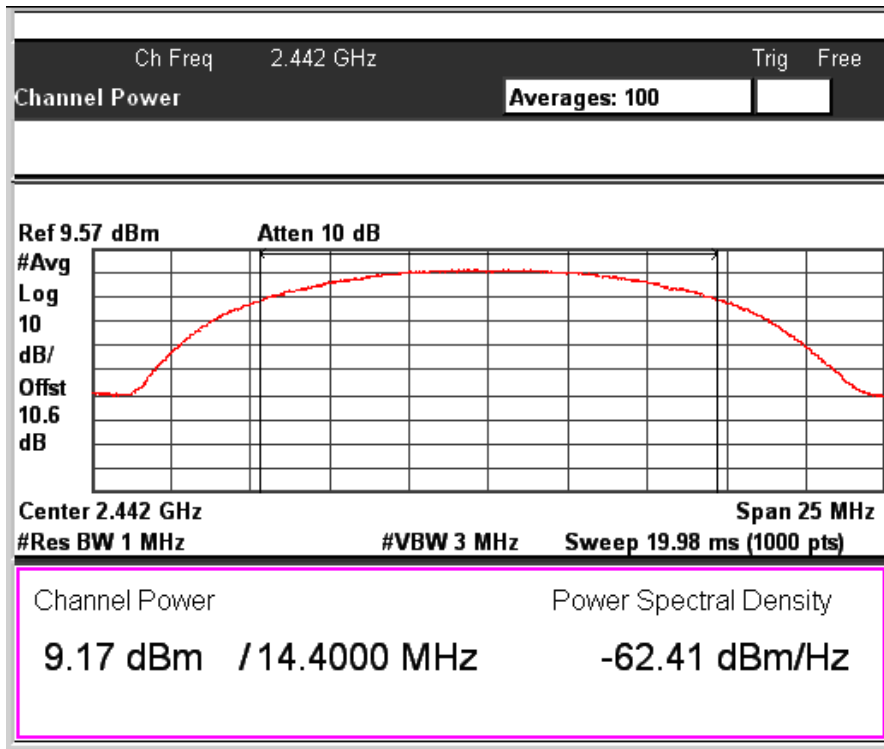
Data rate: 1 Mbps

Channel Frequency: 2462 MHz



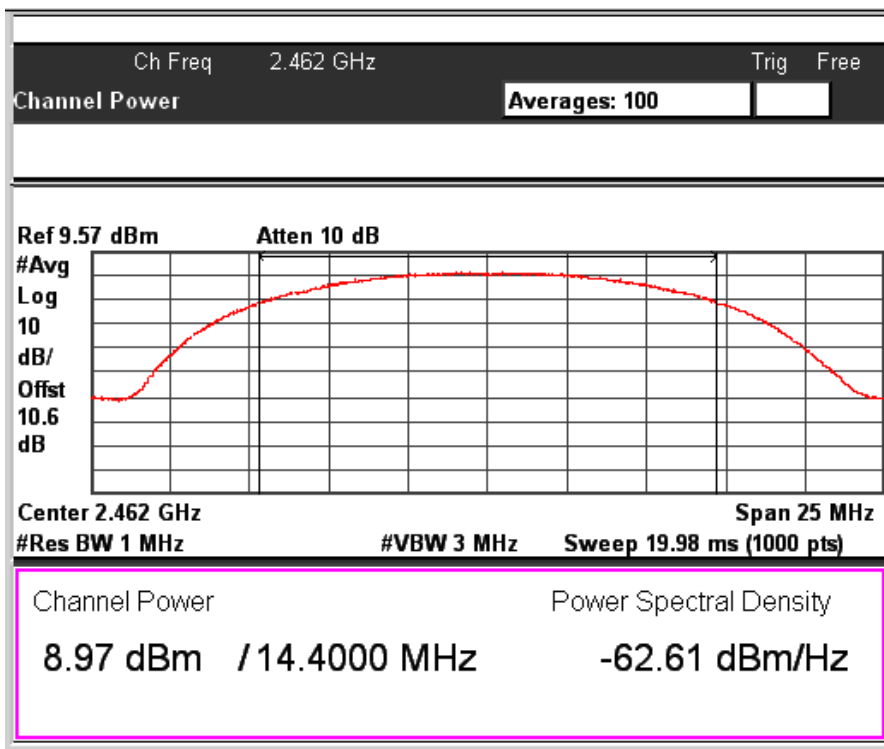
Data rate: 11 Mbps

Channel Frequency: 2412 MHz



Data rate: 11 Mbps

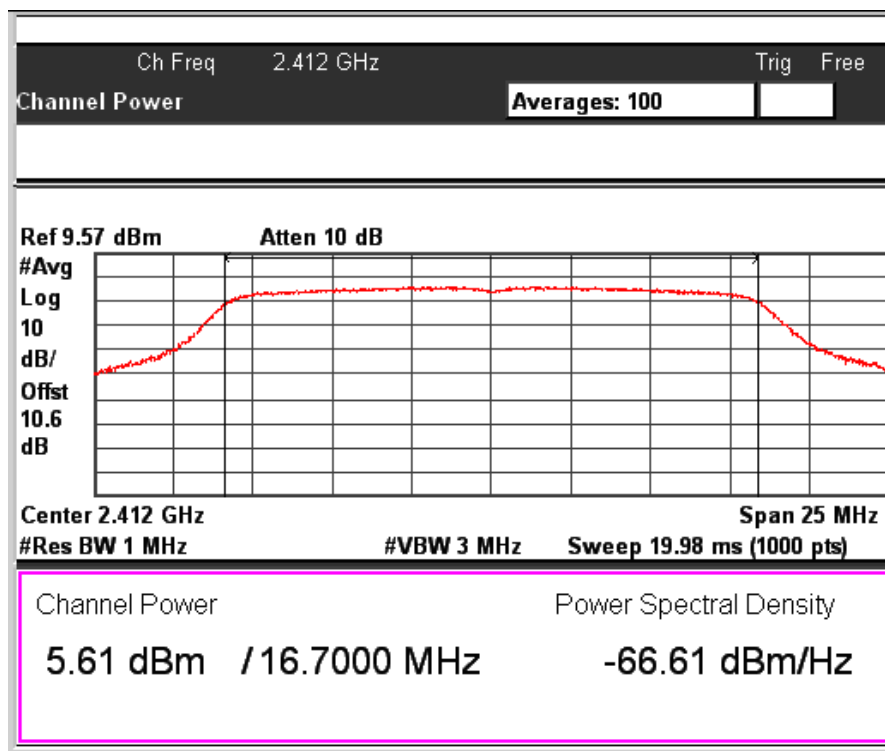
Channel Frequency: 2442 MHz



Data rate: 11 Mbps

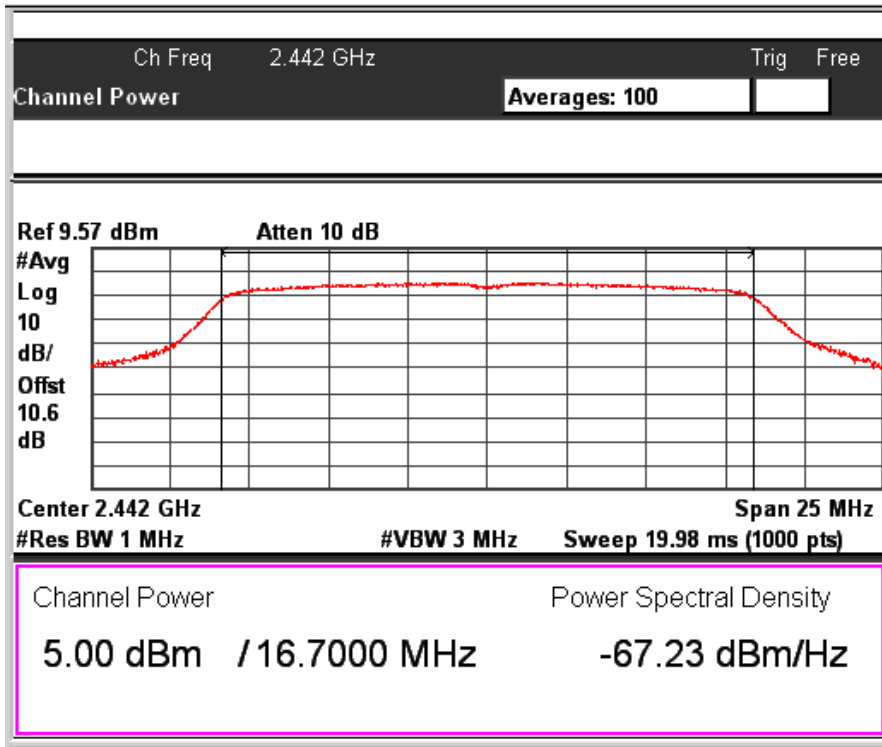
Channel Frequency: 2462 MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Total Power (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|------------------|-------------------------|-------------------|-------------|-------------|
| g               | 6                | 2412.00                 | 05.61             | 30.00       | -24.39      |
|                 |                  | 2442.00                 | 05.00             | 30.00       | -25.00      |
|                 |                  | 2462.00                 | 04.51             | 30.00       | -25.49      |
|                 | 24               | 2412.00                 | 05.37             | 30.00       | -24.63      |
|                 |                  | 2442.00                 | 04.66             | 30.00       | -25.34      |
|                 |                  | 2462.00                 | 04.35             | 30.00       | -25.65      |
|                 | 54               | 2412.00                 | 05.13             | 30.00       | -24.87      |
|                 |                  | 2442.00                 | 04.51             | 30.00       | -25.49      |
|                 |                  | 2462.00                 | 04.06             | 30.00       | -25.94      |



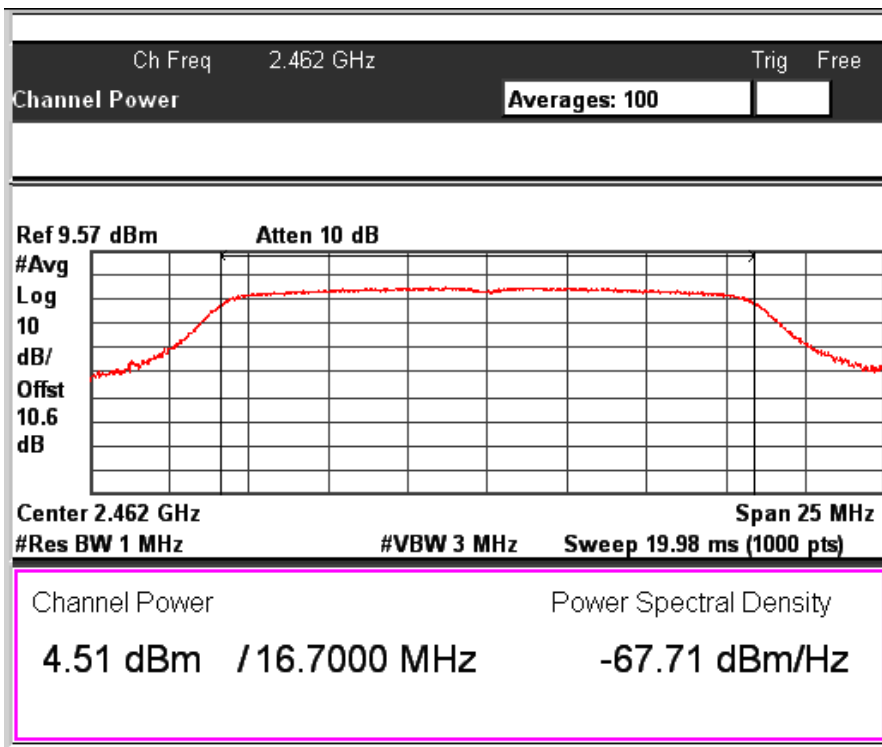
Data rate: 6 Mbps

Channel Frequency: 2412 MHz



Data rate: 6 Mbps

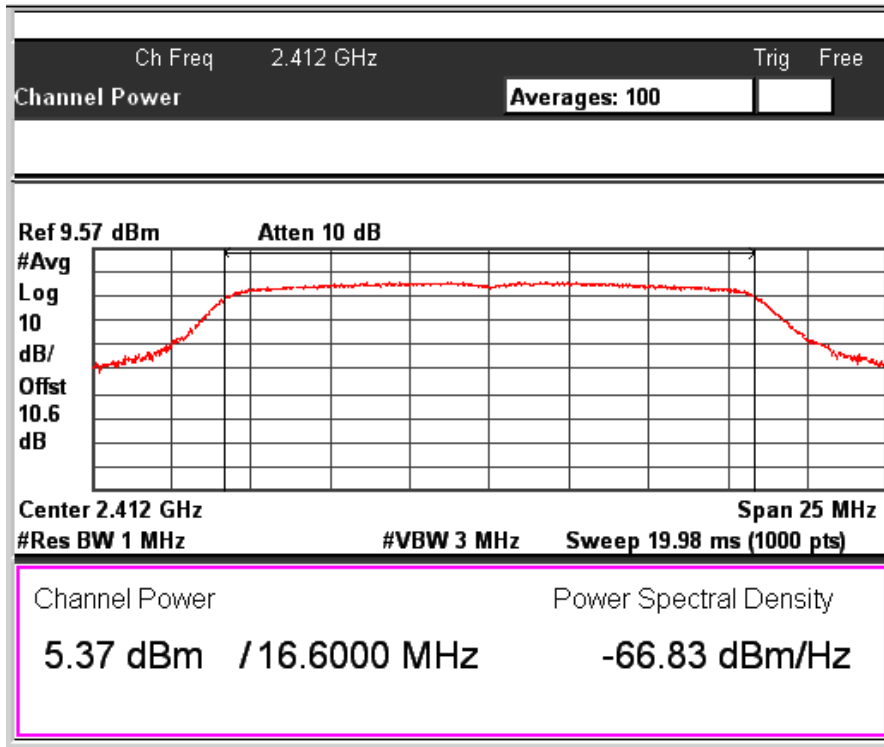
Channel Frequency: 2442 MHz



Data rate: 6 Mbps

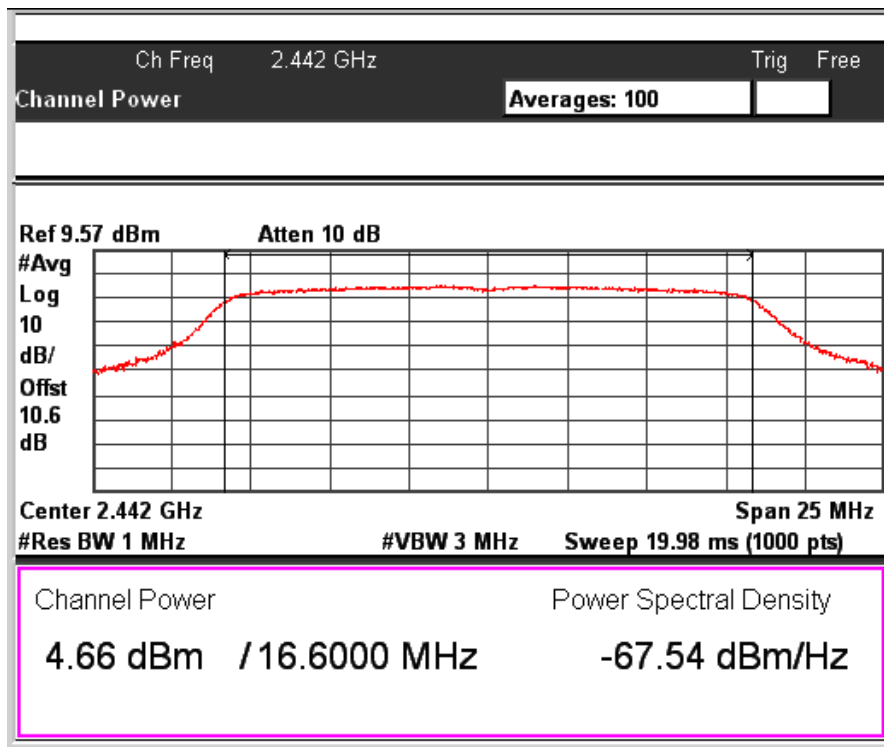
Channel Frequency: 2462 MHz

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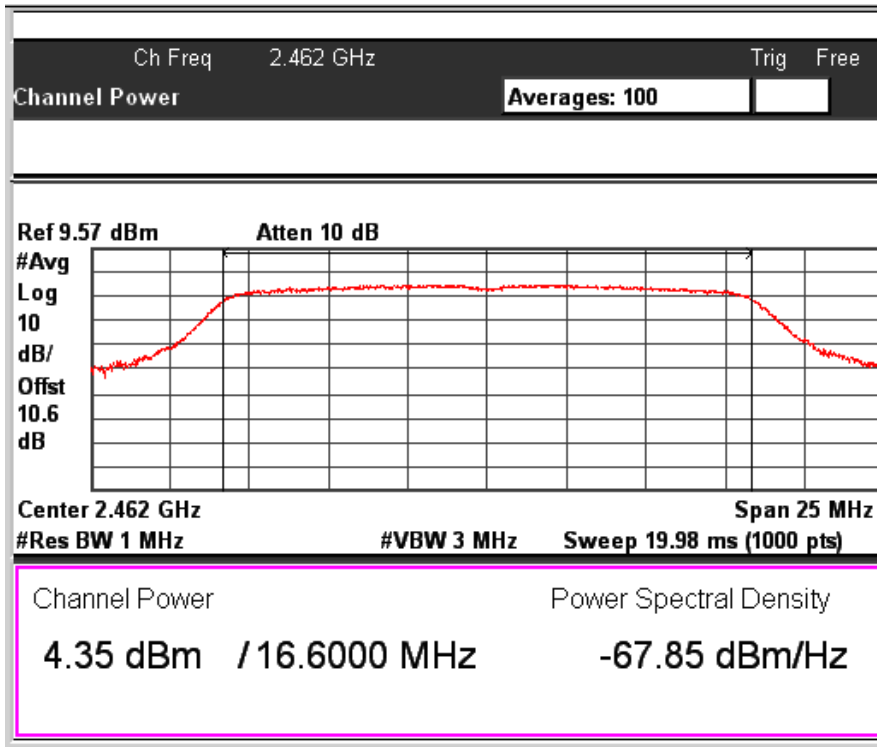
Data rate: 24 Mbps

Channel Frequency: 2412 MHz



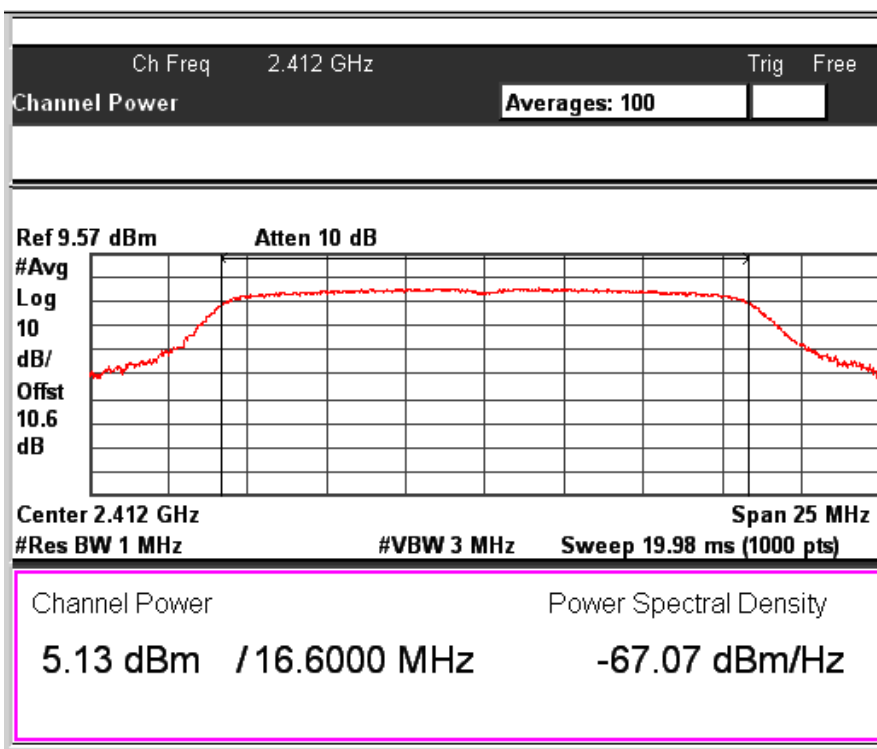
Data rate: 24 Mbps

Channel Frequency: 2442 MHz



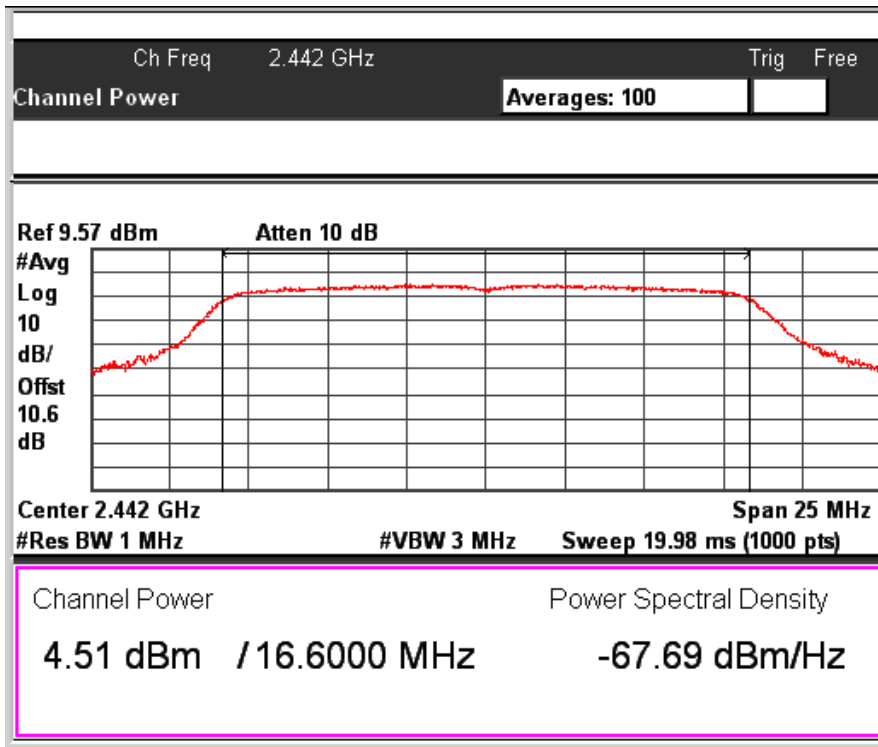
Data rate: 24 Mbps

Channel Frequency: 2462 MHz



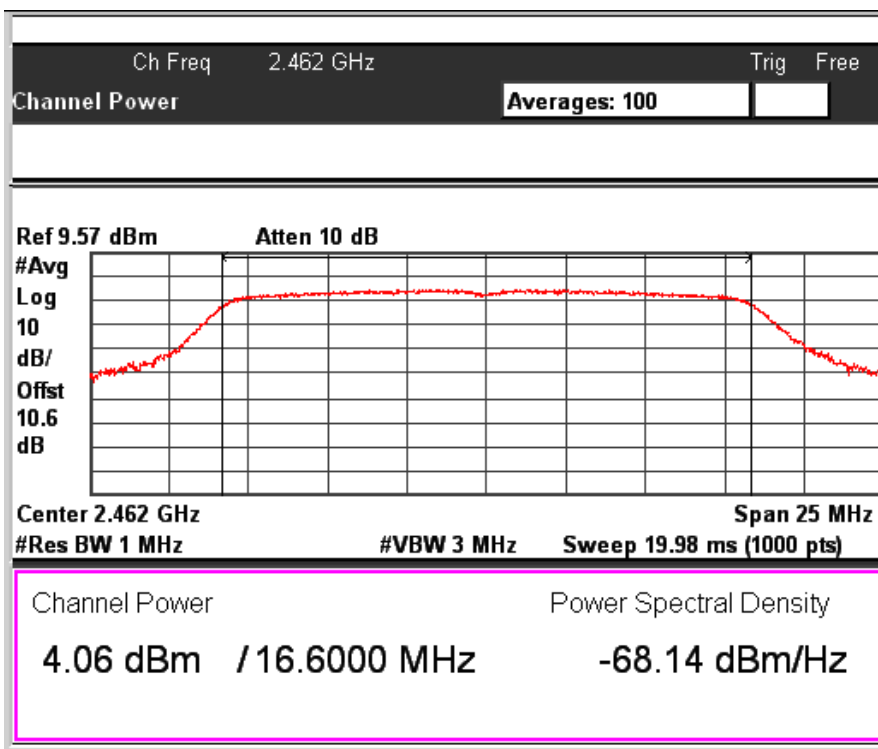
Data rate: 54 Mbps

Channel Frequency: 2412 MHz



Data rate: 54 Mbps

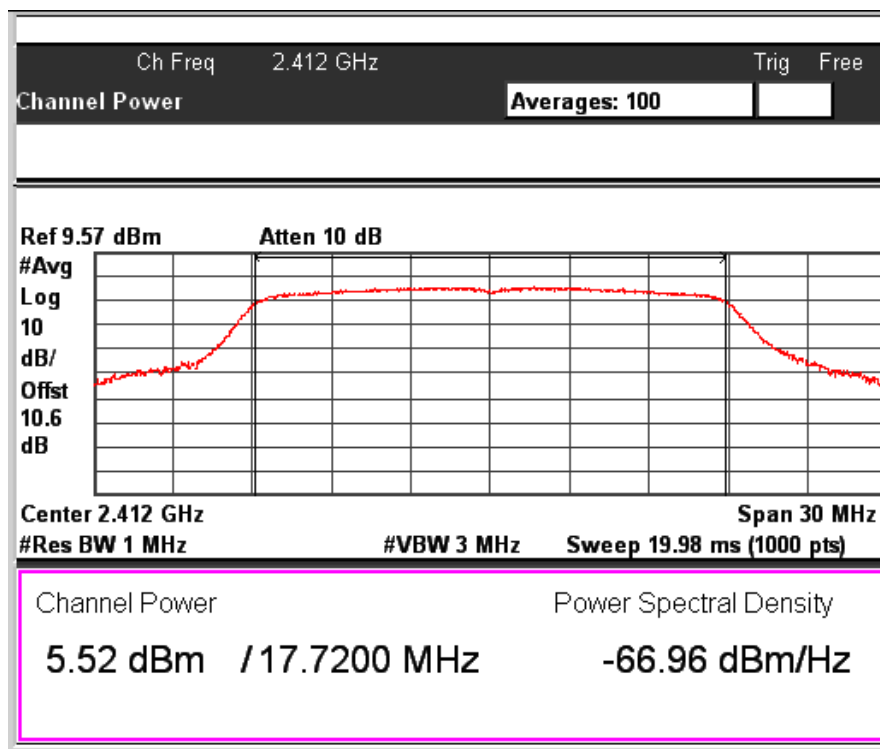
Channel Frequency: 2442 MHz



Data rate: 54 Mbps

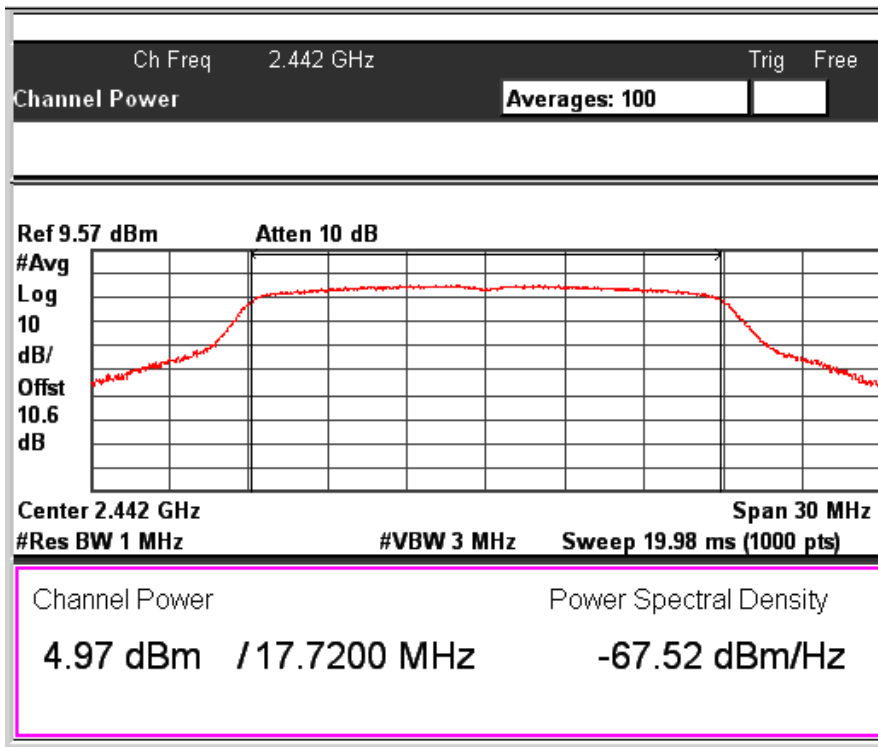
Channel Frequency: 2462 MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Total Power (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|------------------|-------------------------|-------------------|-------------|-------------|
| n               | 6.5              | 2412.00                 | 05.52             | 30.00       | -24.48      |
|                 |                  | 2442.00                 | 04.97             | 30.00       | -25.03      |
|                 |                  | 2462.00                 | 04.49             | 30.00       | -25.51      |
|                 | 39               | 2412.00                 | 05.19             | 30.00       | -24.81      |
|                 |                  | 2442.00                 | 04.57             | 30.00       | -25.43      |
|                 |                  | 2462.00                 | 04.14             | 30.00       | -25.86      |
|                 | 65               | 2412.00                 | 05.07             | 30.00       | -24.93      |
|                 |                  | 2442.00                 | 04.41             | 30.00       | -25.59      |
|                 |                  | 2462.00                 | 04.04             | 30.00       | -25.96      |



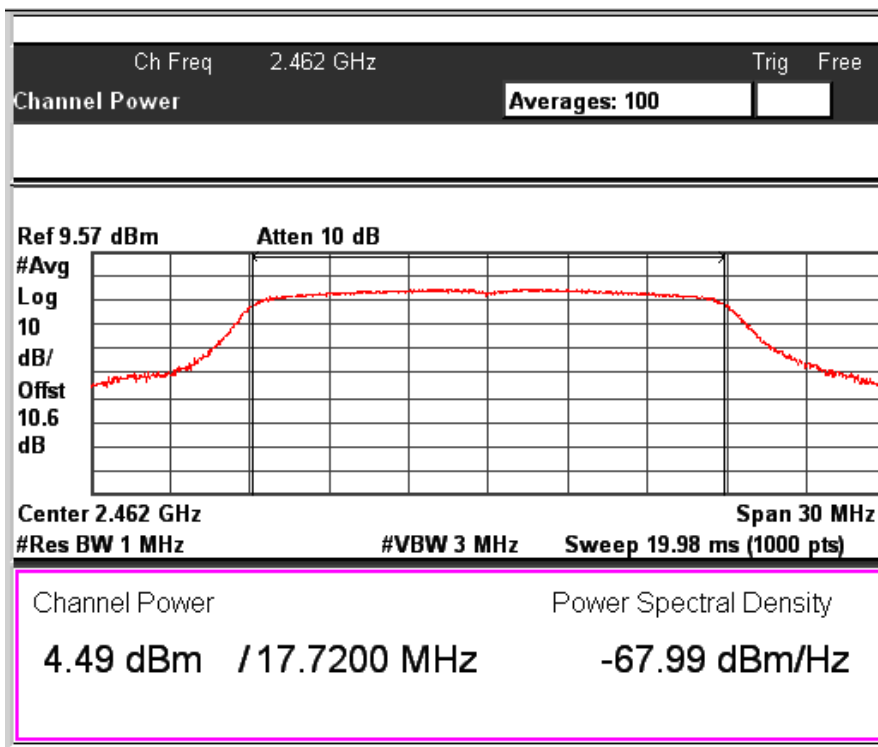
Data Rate: 6.5 Mbps

Channel Frequency: 2412 MHz



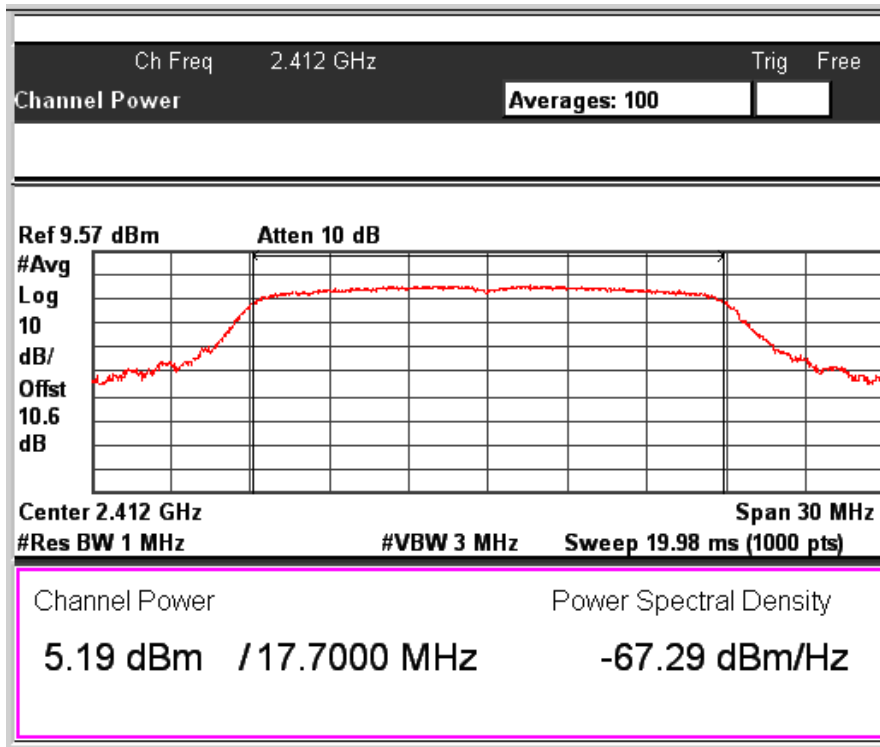
Data Rate: 6.5 Mbps

Channel Frequency: 2442 MHz



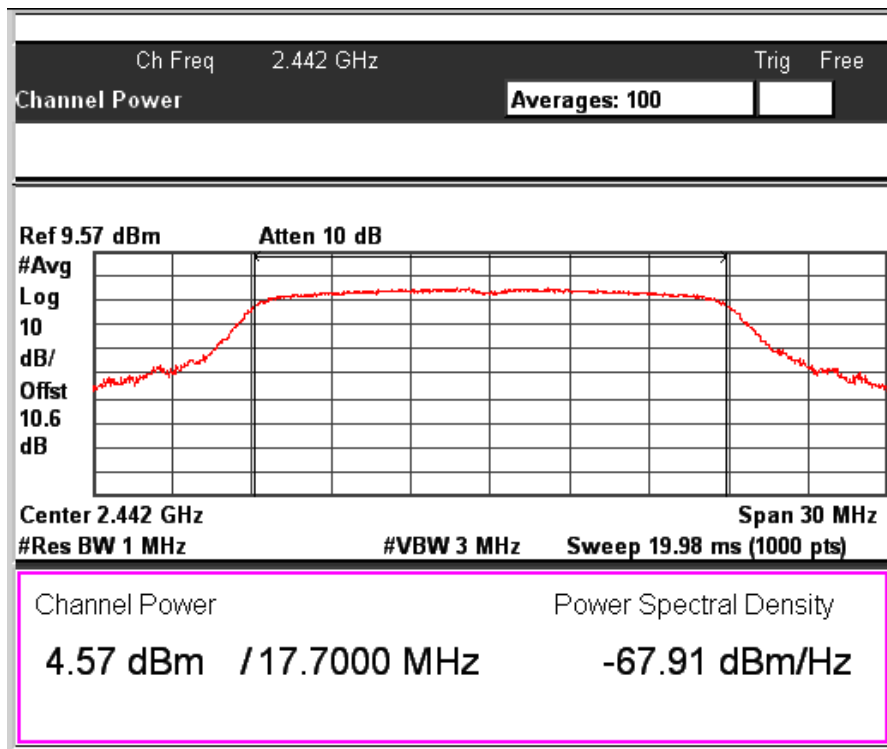
Data Rate: 6.5 Mbps

Channel Frequency: 2462 MHz



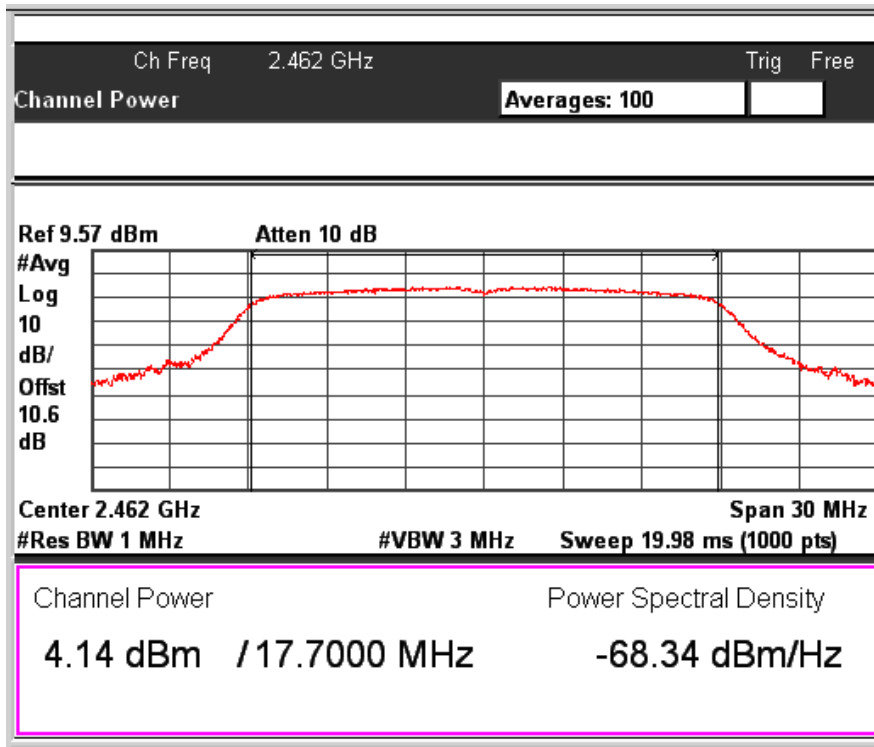
Data Rate: 39 Mbps

Channel Frequency: 2412 MHz



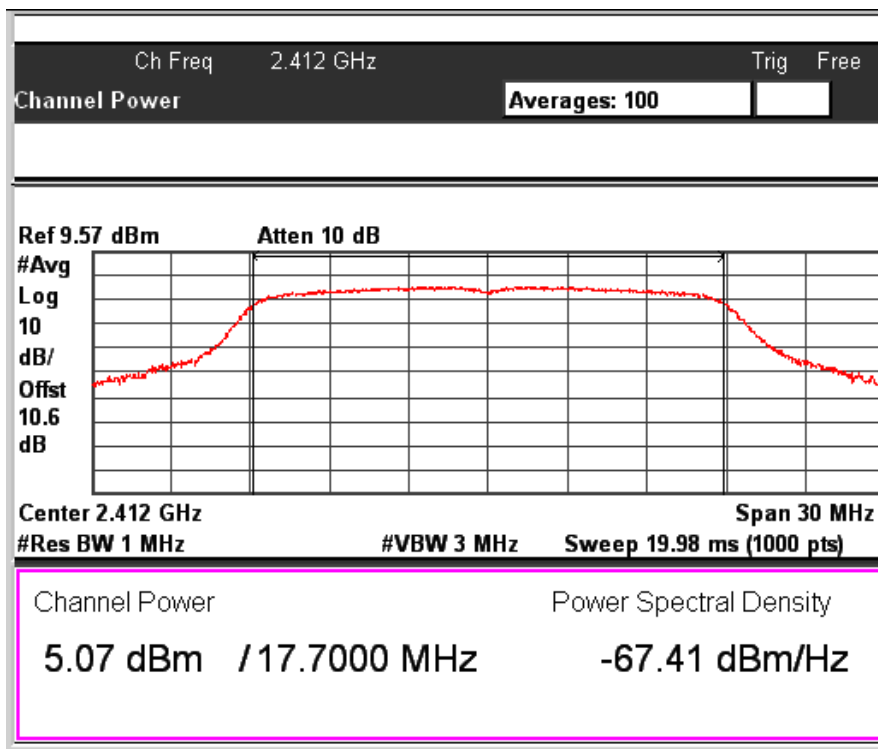
Data Rate: 39 Mbps

Channel Frequency: 2442 MHz



Data Rate: 39 Mbps

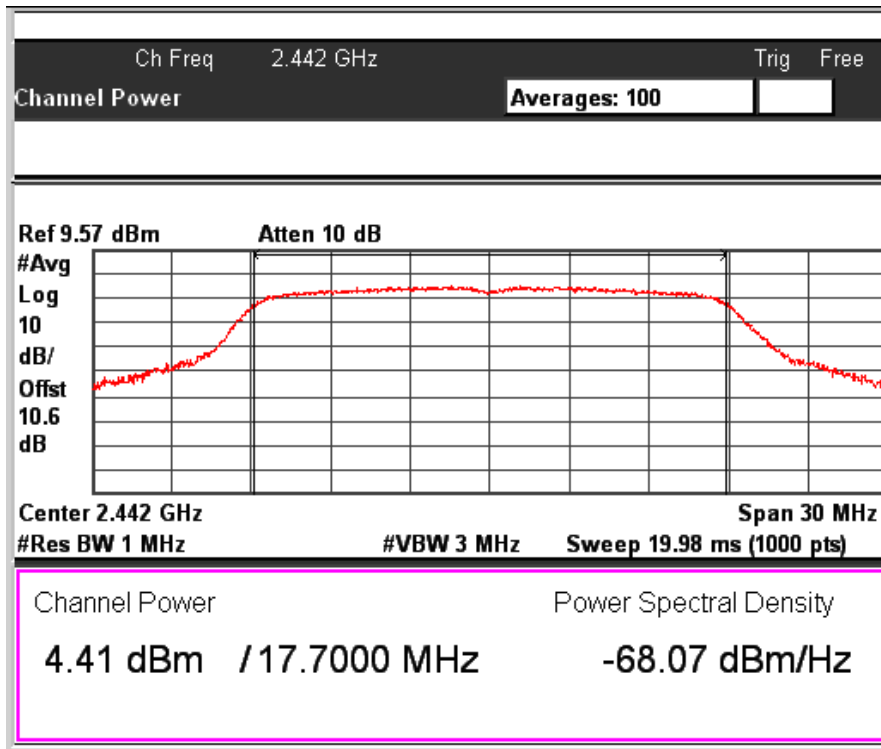
Channel Frequency: 2462 MHz



Data Rate: 65 Mbps

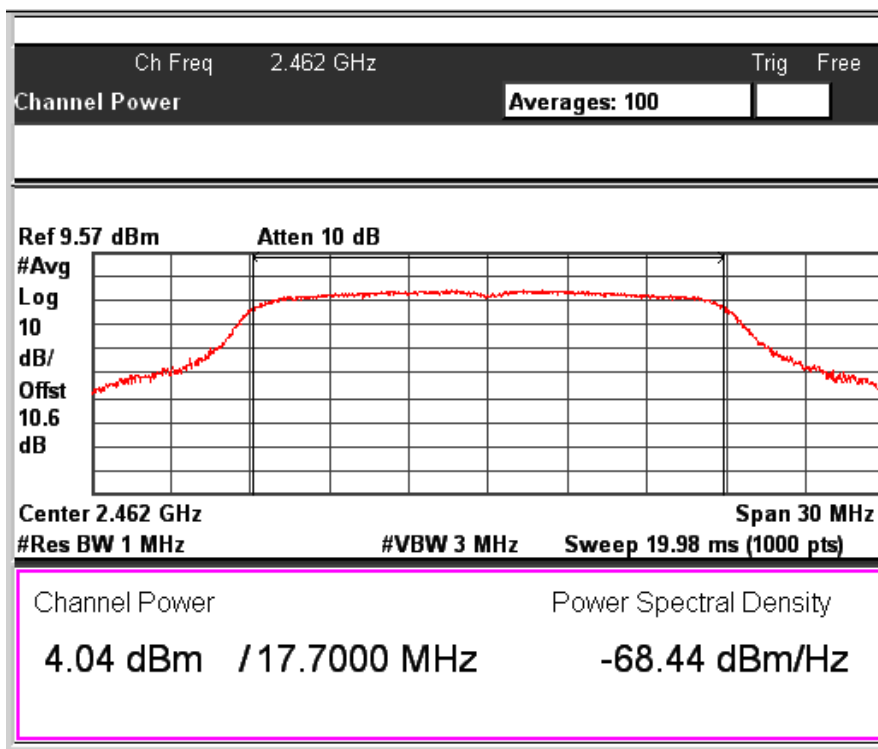
Channel Frequency: 2412 MHz

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Data Rate: 65 Mbps

Channel Frequency: 2442 MHz



Data Rate: 65 Mbps

Channel Frequency: 2462 MHz

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**Maximum Power Spectral Density**

**Section 15.247(e)**

**Result**

**Pass**

Test Specification FCC Part 15 Section 15.247 (e)

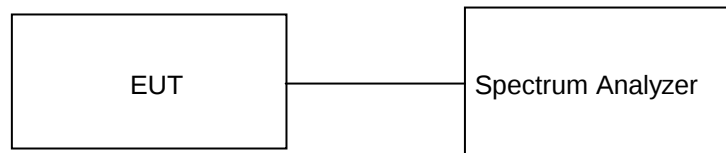
Detector Function Average

Requirement

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm.

**Note: For measurement of Maximum power spectral density option 1 was used**

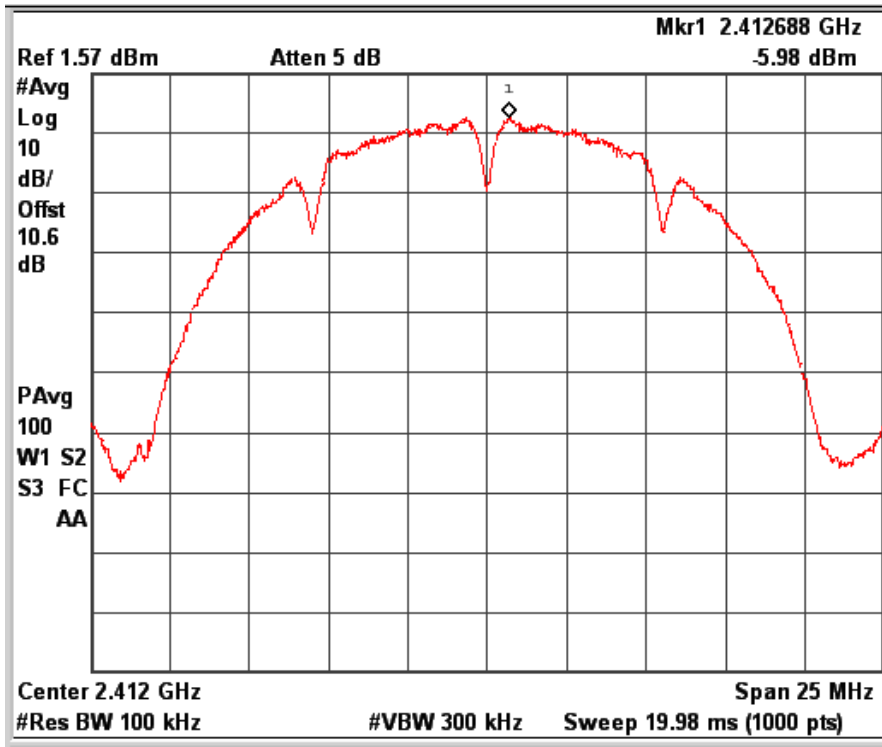
**Test Method:**



**Test Result:**

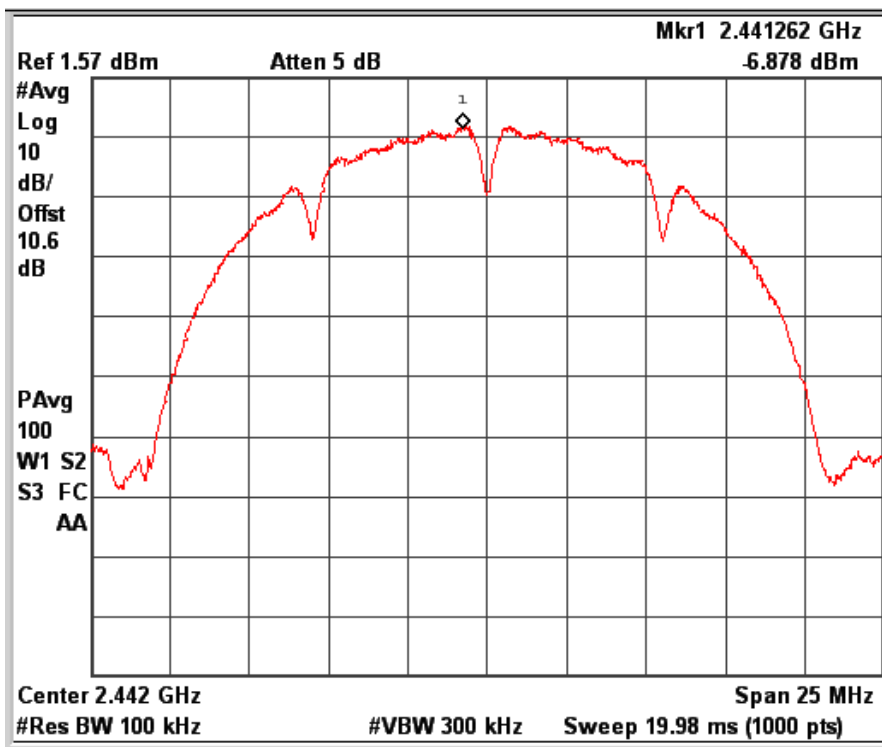
| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Total PSD (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|------------------|-------------------------|-----------------|-------------|-------------|
| b               | 1                | 2412.00                 | -05.98          | 8.00        | -13.98      |
|                 |                  | 2442.00                 | -06.87          | 8.00        | -14.87      |
|                 |                  | 2462.00                 | -06.99          | 8.00        | -14.99      |
|                 | 11               | 2412.00                 | -07.59          | 8.00        | -15.59      |
|                 |                  | 2442.00                 | -08.82          | 8.00        | -16.82      |
|                 |                  | 2462.00                 | -08.59          | 8.00        | -16.59      |

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Data rate: 1 Mbps

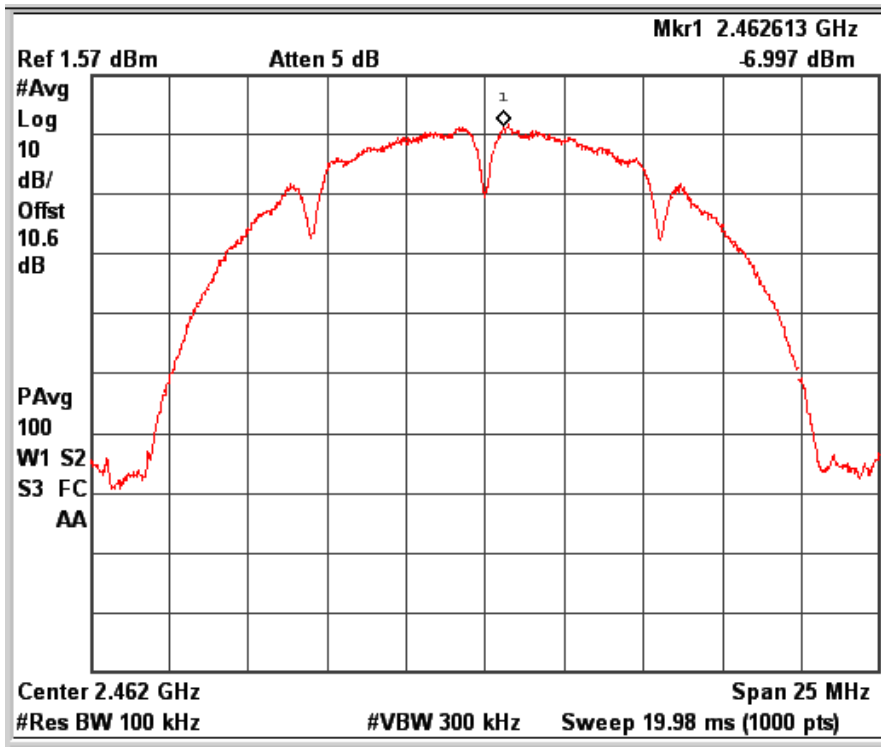
Channel Frequency: 2412 MHz



Data rate: 1 Mbps

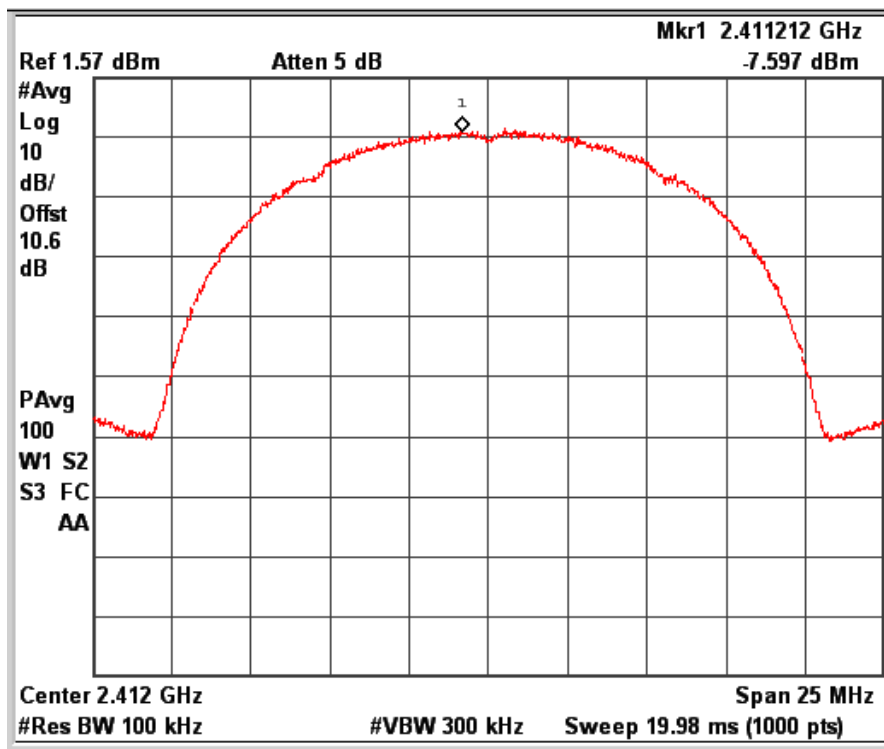
Channel Frequency: 2442 MHz

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Data rate: 1 Mbps

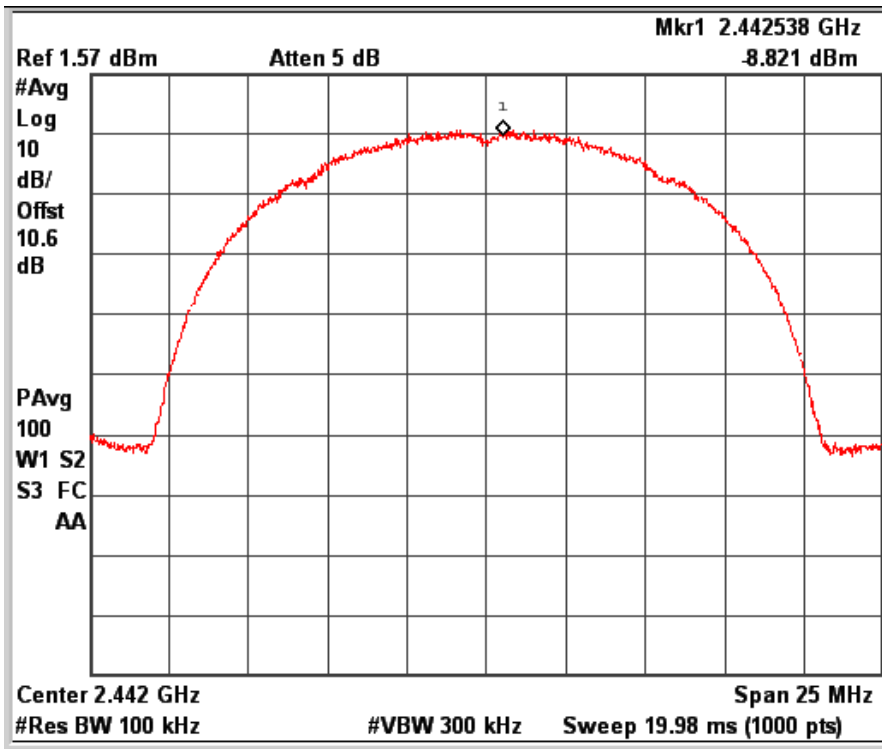
Channel Frequency: 2462 MHz



Data rate: 11 Mbps

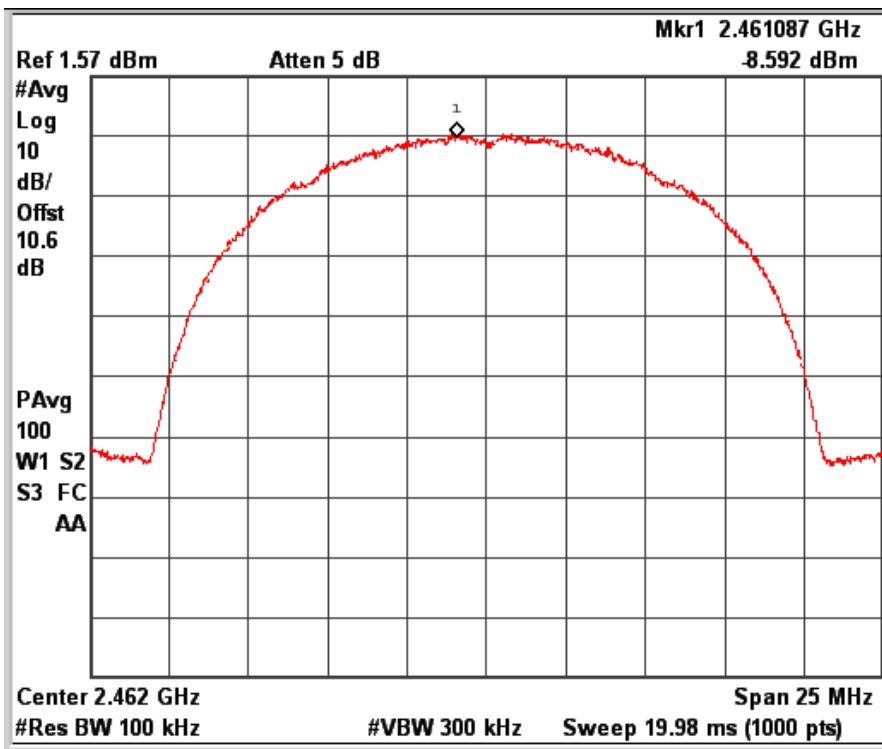
Channel Frequency: 2412 MHz

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Data rate: 11 Mbps

Channel Frequency: 2442 MHz

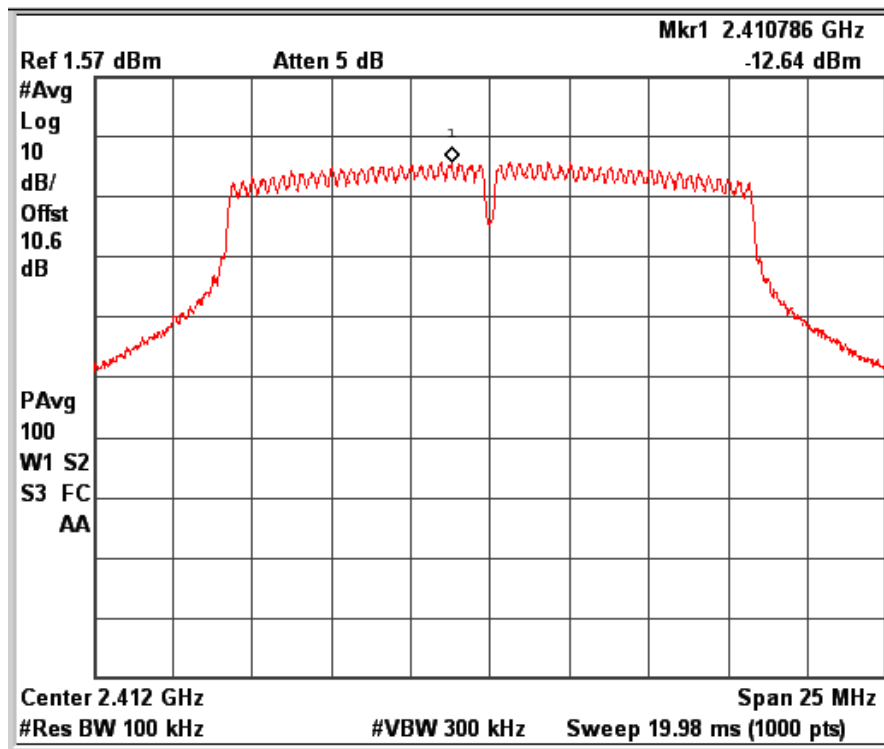


Data rate: 11 Mbps

Channel Frequency: 2462 MHz

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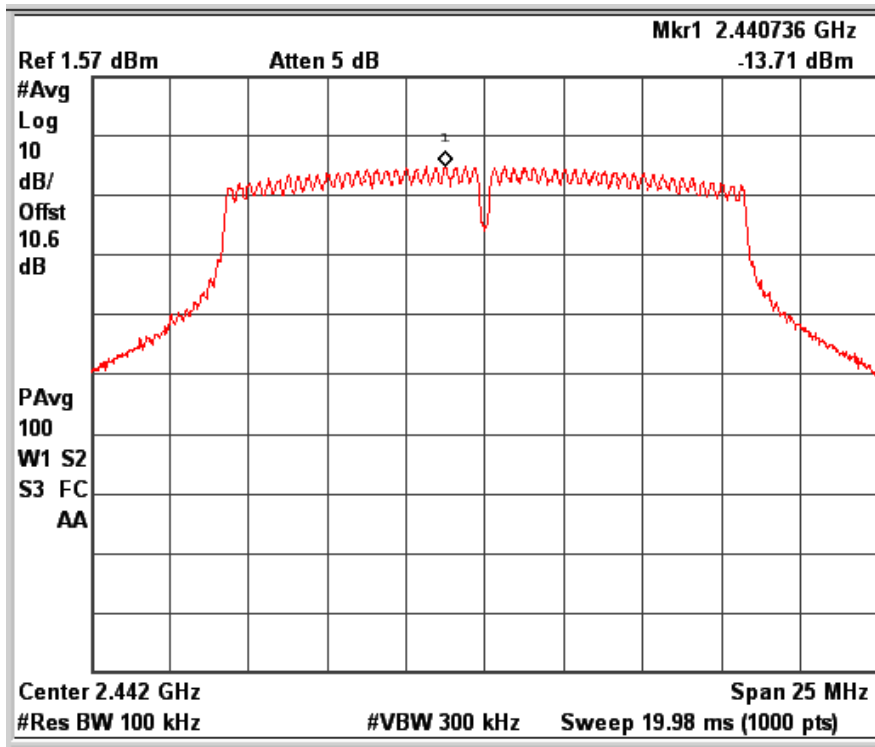
| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Total PSD (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|------------------|-------------------------|-----------------|-------------|-------------|
| g               | 6                | 2412.00                 | -12.64          | 8.00        | -20.64      |
|                 |                  | 2442.00                 | -13.71          | 8.00        | -21.71      |
|                 |                  | 2462.00                 | -14.55          | 8.00        | -22.55      |
|                 | 24               | 2412.00                 | -13.12          | 8.00        | -21.12      |
|                 |                  | 2442.00                 | -14.23          | 8.00        | -22.23      |
|                 |                  | 2462.00                 | -13.87          | 8.00        | -21.87      |
|                 | 54               | 2412.00                 | -13.04          | 8.00        | -21.04      |
|                 |                  | 2442.00                 | -13.85          | 8.00        | -21.85      |
|                 |                  | 2462.00                 | -14.35          | 8.00        | -22.35      |



Data rate: 6 Mbps

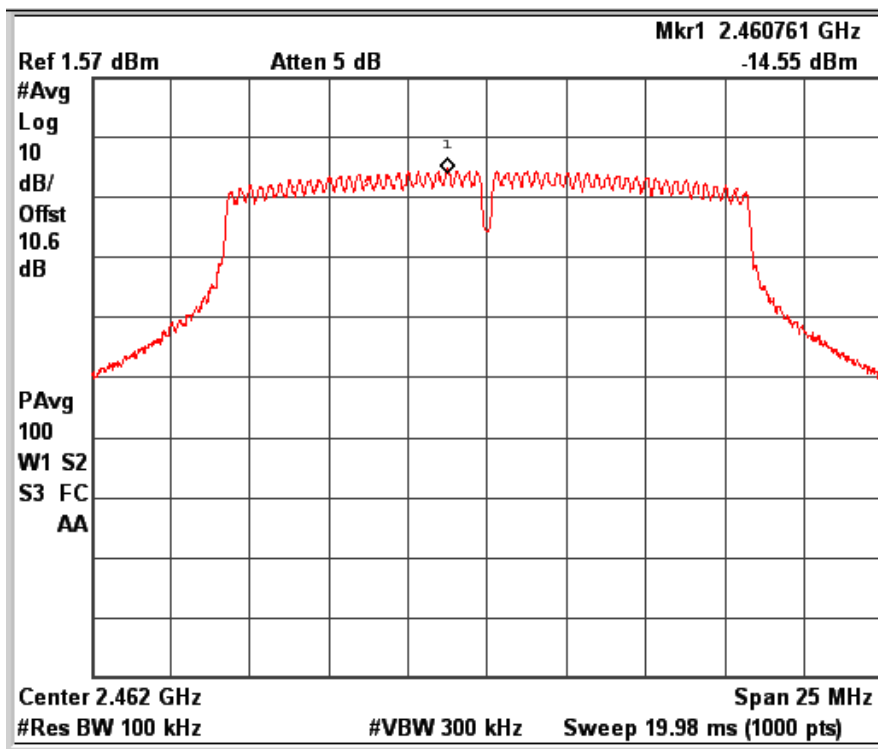
Channel Frequency: 2412 MHz

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Data rate: 6 Mbps

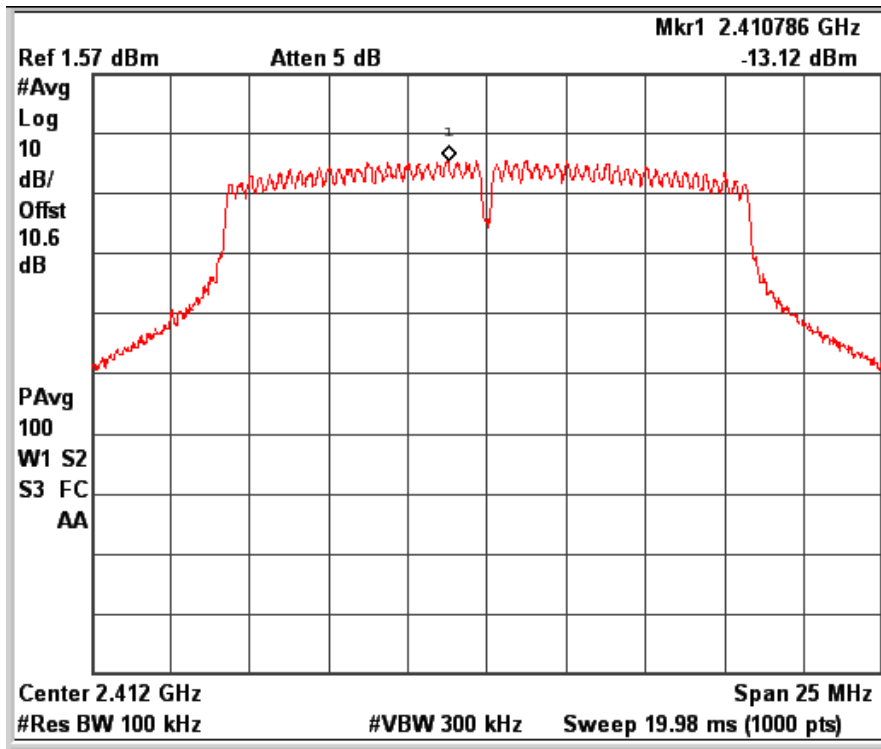
Channel Frequency: 2442 MHz



Data rate: 6 Mbps

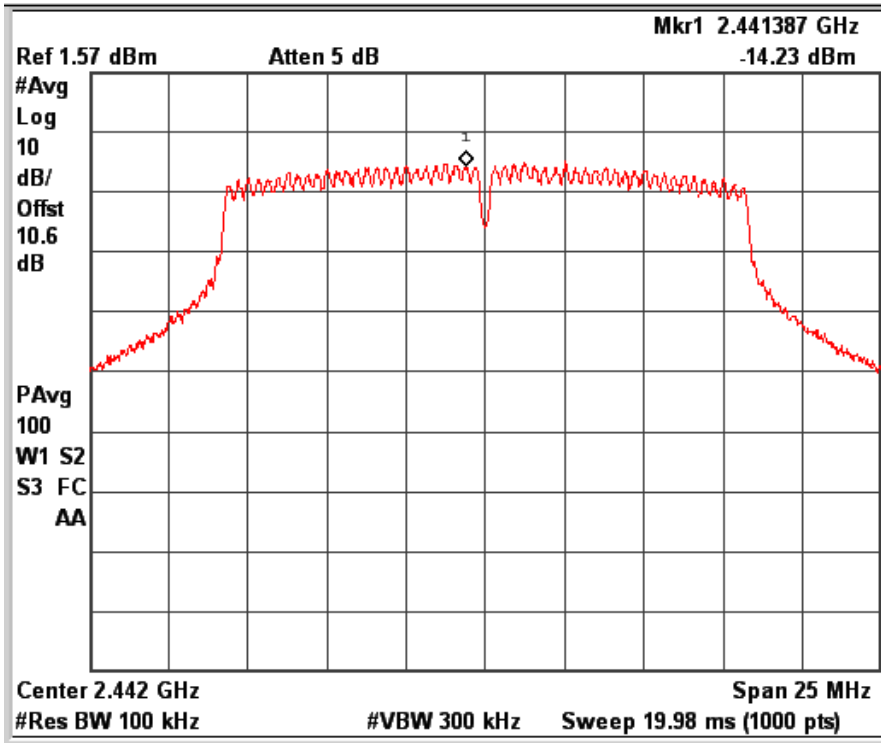
Channel Frequency: 2462 MHz

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Data rate: 24 Mbps

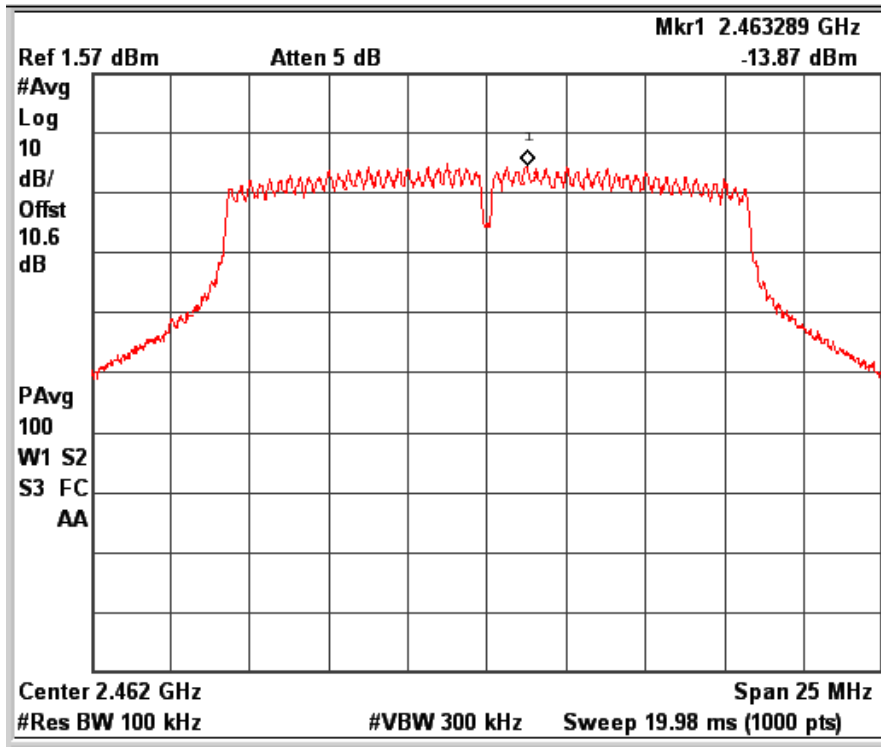
Channel Frequency: 2412 MHz



Data rate: 24 Mbps

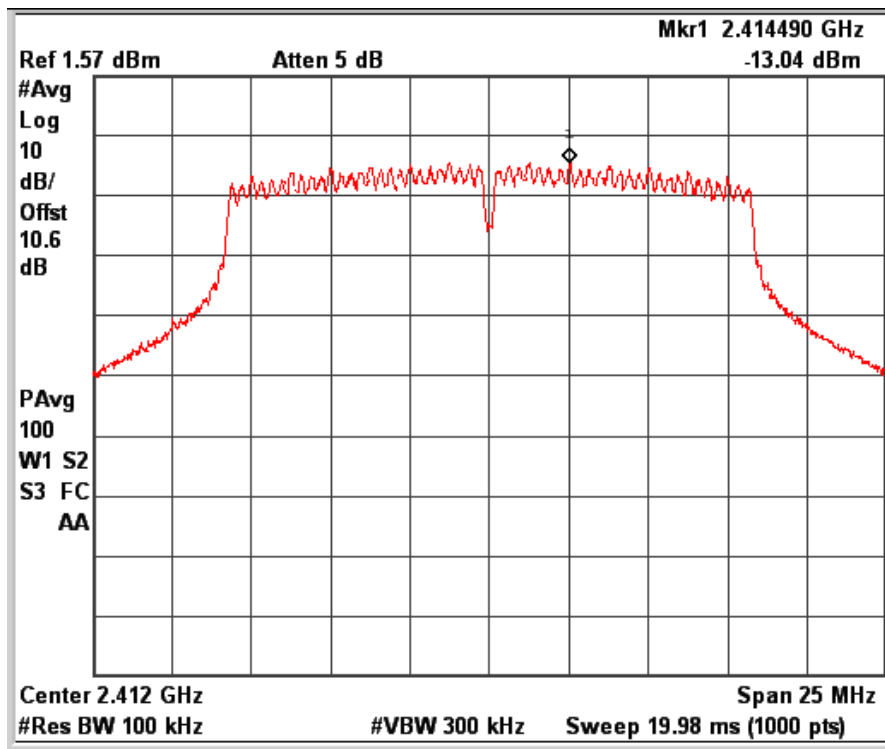
Channel Frequency: 2442 MHz

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Data rate: 24 Mbps

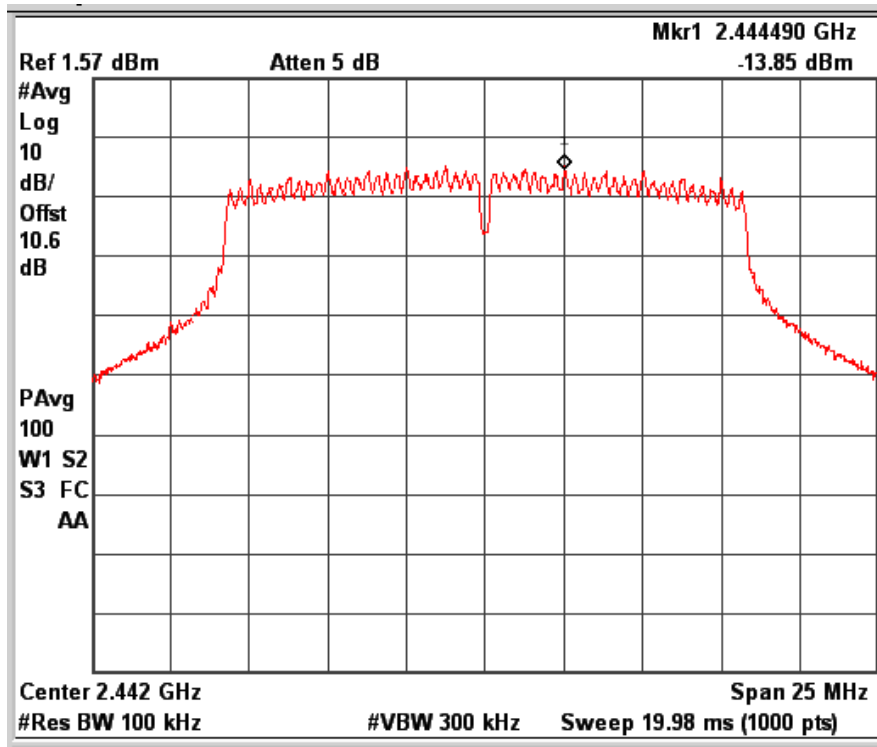
Channel Frequency: 2462 MHz



Data rate: 54 Mbps

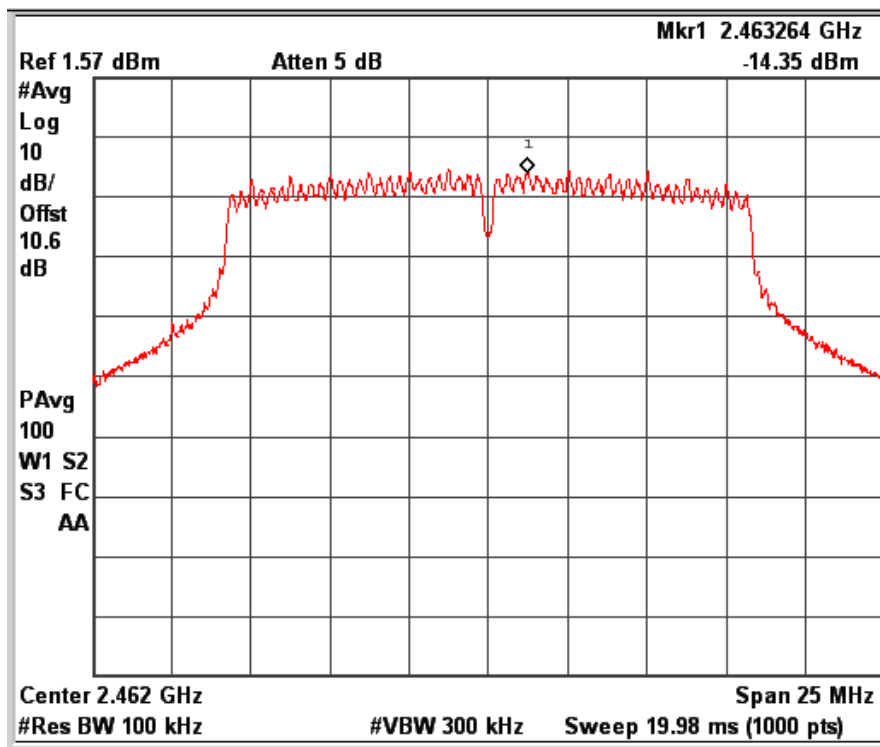
Channel Frequency: 2412 MHz

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Data rate: 54 Mbps

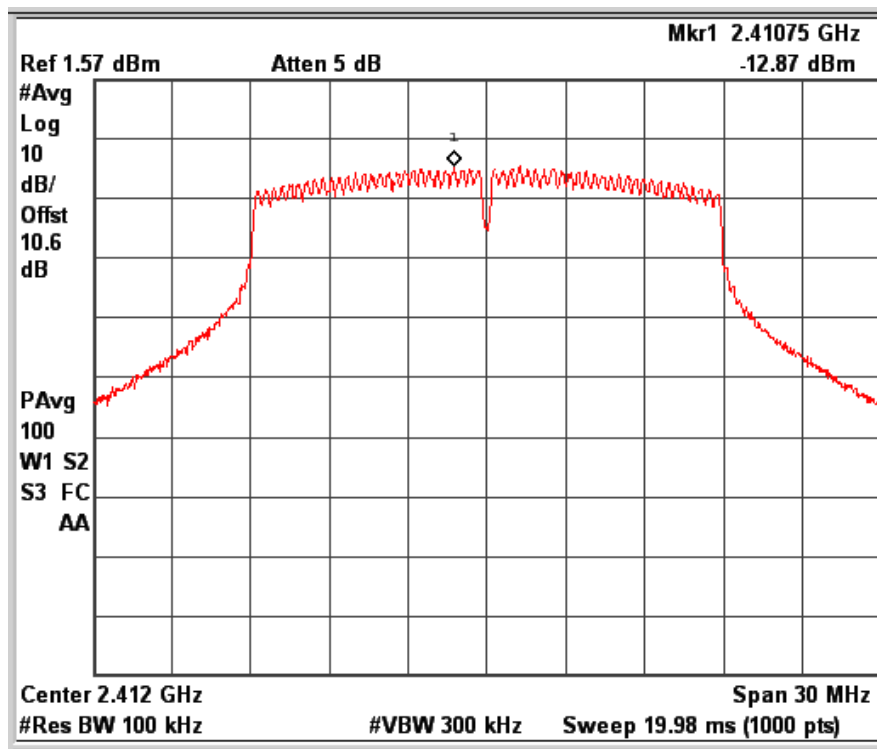
Channel Frequency: 2442 MHz



Data rate: 54 Mbps

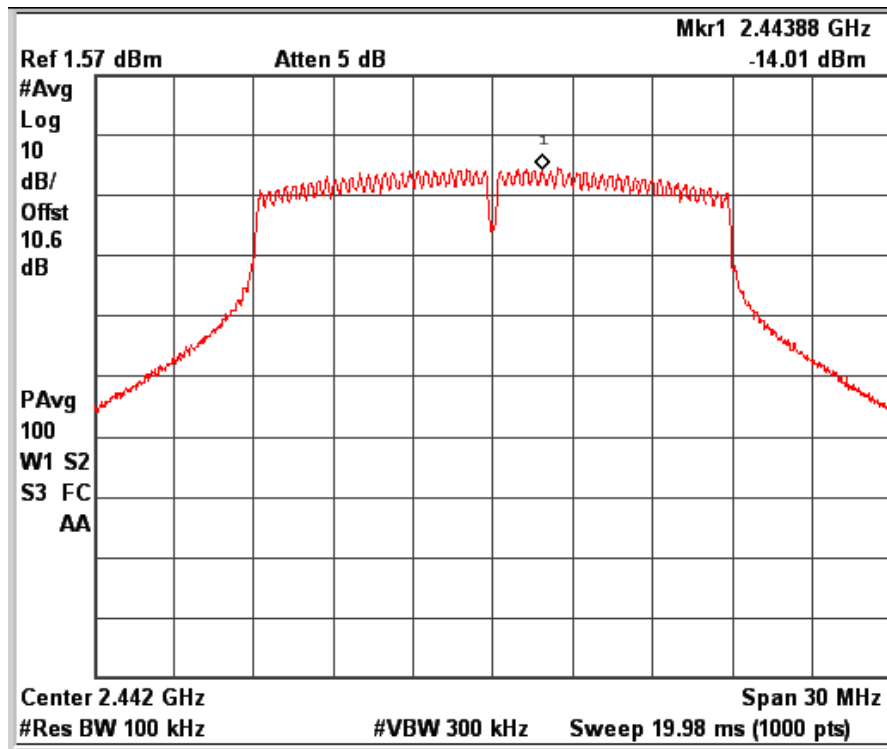
Channel Frequency: 2462 MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Total PSD (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|------------------|-------------------------|-----------------|-------------|-------------|
| n               | 6.5              | 2412.00                 | -12.87          | 8.00        | -20.87      |
|                 |                  | 2442.00                 | -14.01          | 8.00        | -22.01      |
|                 |                  | 2462.00                 | -13.68          | 8.00        | -21.68      |
|                 | 39               | 2412.00                 | -12.96          | 8.00        | -20.96      |
|                 |                  | 2442.00                 | -13.72          | 8.00        | -21.72      |
|                 |                  | 2462.00                 | -14.46          | 8.00        | -22.46      |
|                 | 65               | 2412.00                 | -12.51          | 8.00        | -20.51      |
|                 |                  | 2442.00                 | -13.17          | 8.00        | -21.17      |
|                 |                  | 2462.00                 | -13.34          | 8.00        | -21.34      |



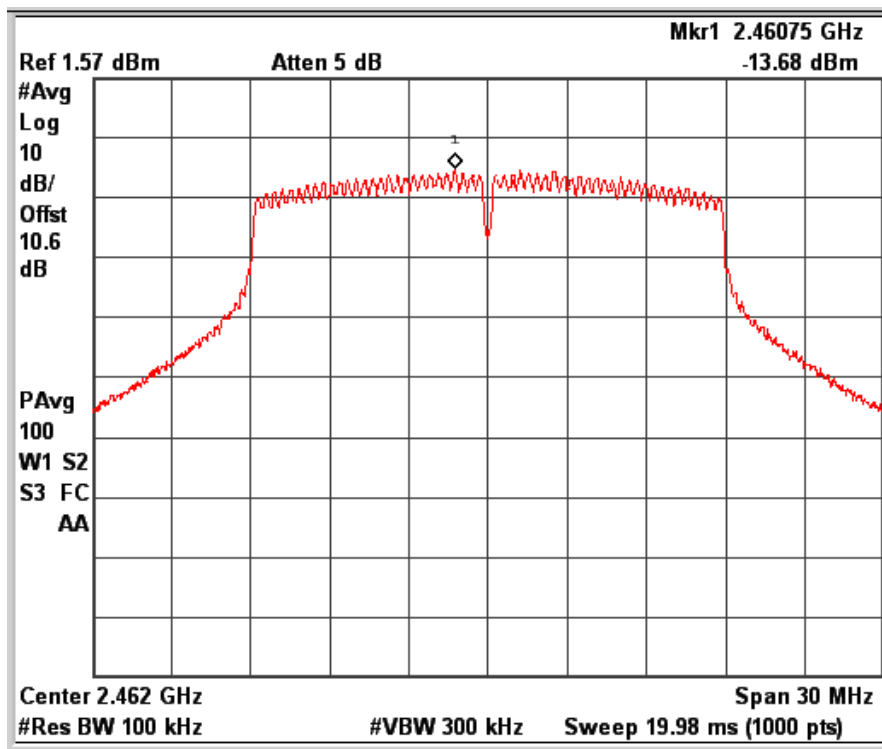
Data rate: 6.5 Mbps

Channel Frequency: 2412 MHz



Data rate: 6.5 Mbps

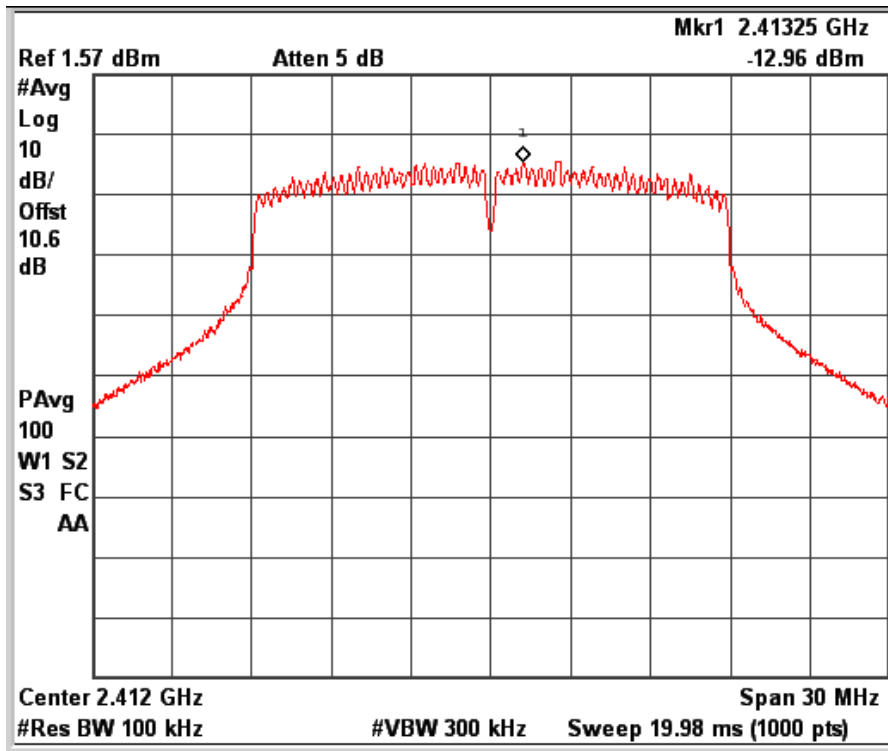
Channel Frequency: 2442 MHz



Data rate: 6.5 Mbps

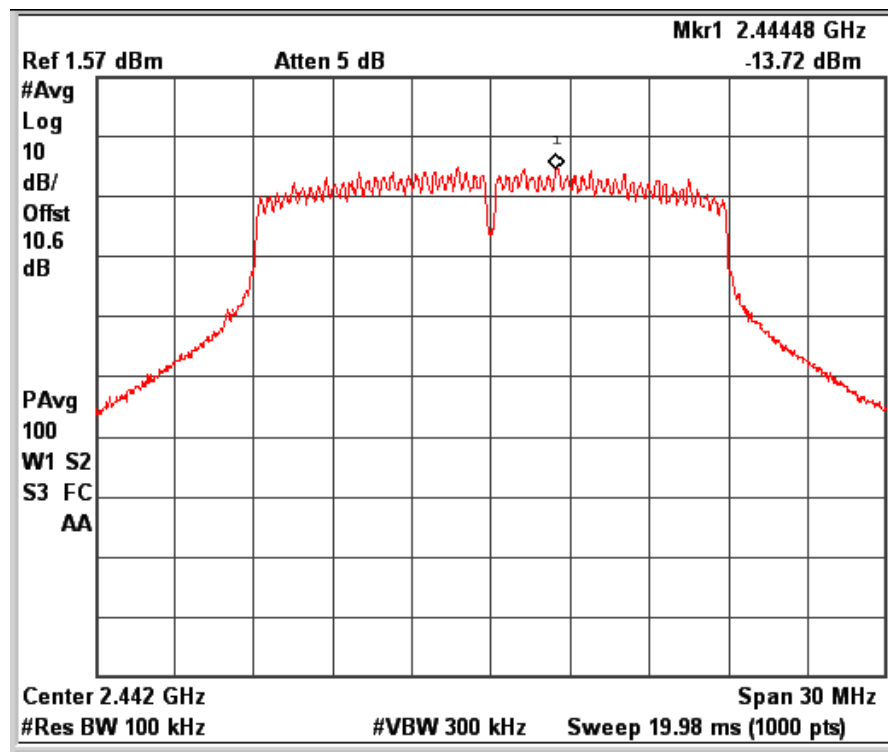
Channel Frequency: 2462 MHz

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Data rate: 39 Mbps

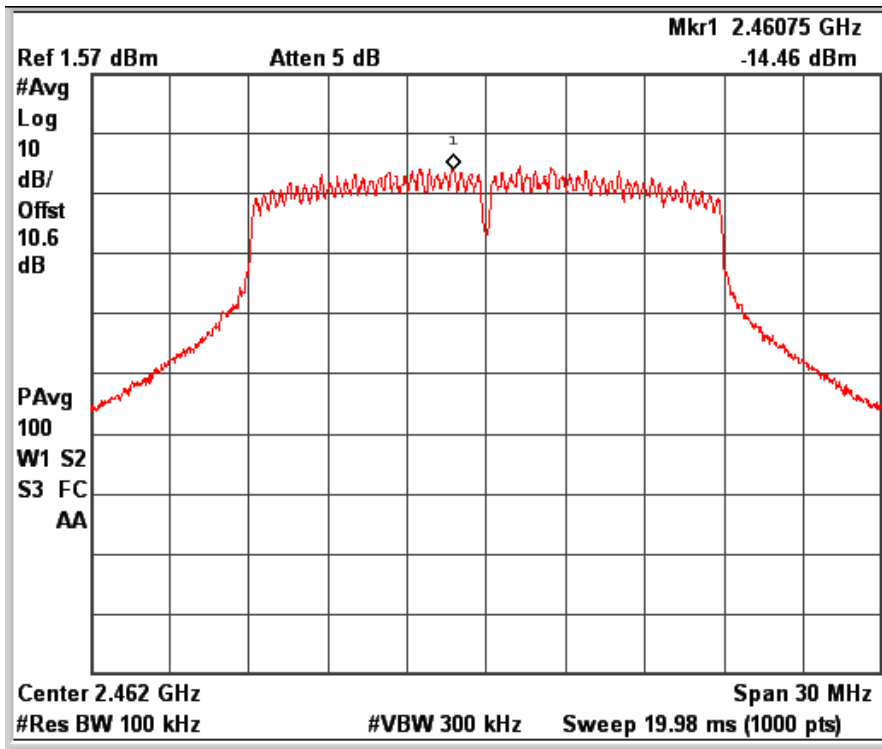
Channel Frequency: 2412 MHz



Data rate: 39 Mbps

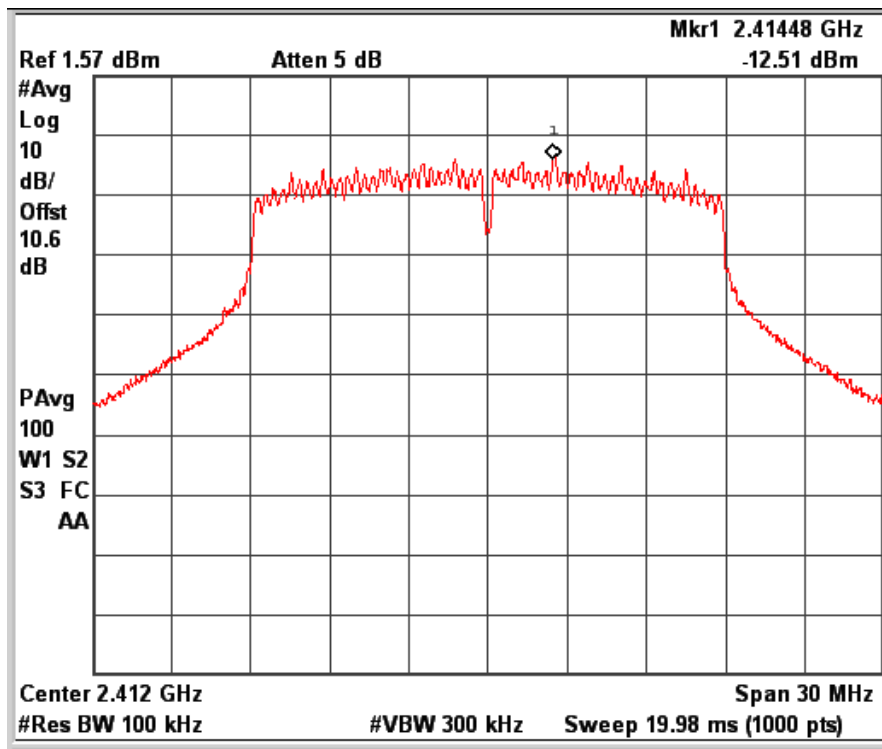
Channel Frequency: 2442 MHz

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Data rate: 39 Mbps

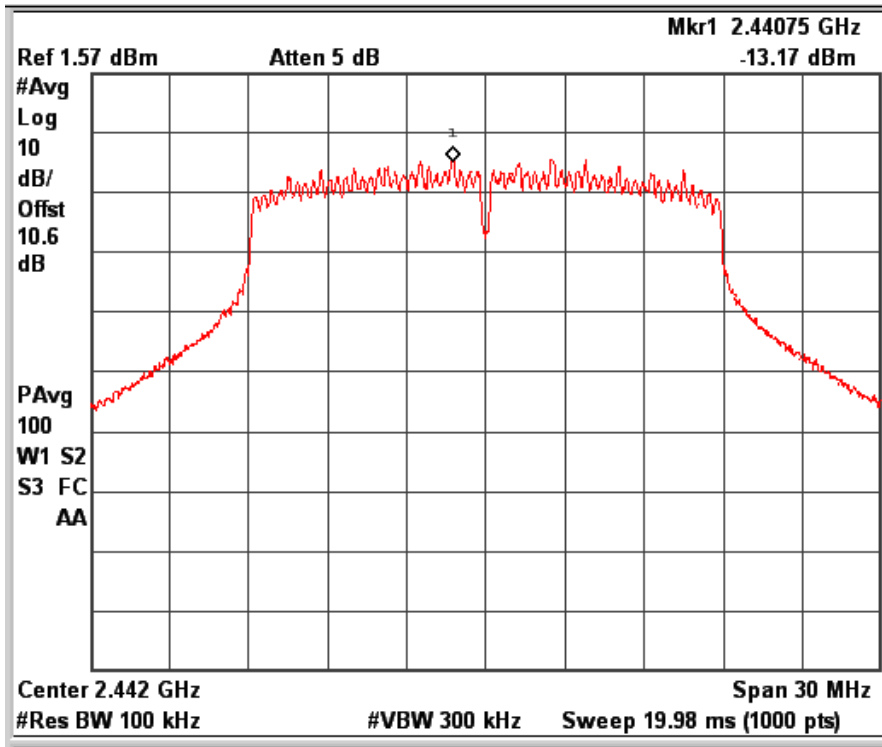
Channel Frequency: 2462 MHz



Data rate: 65 Mbps

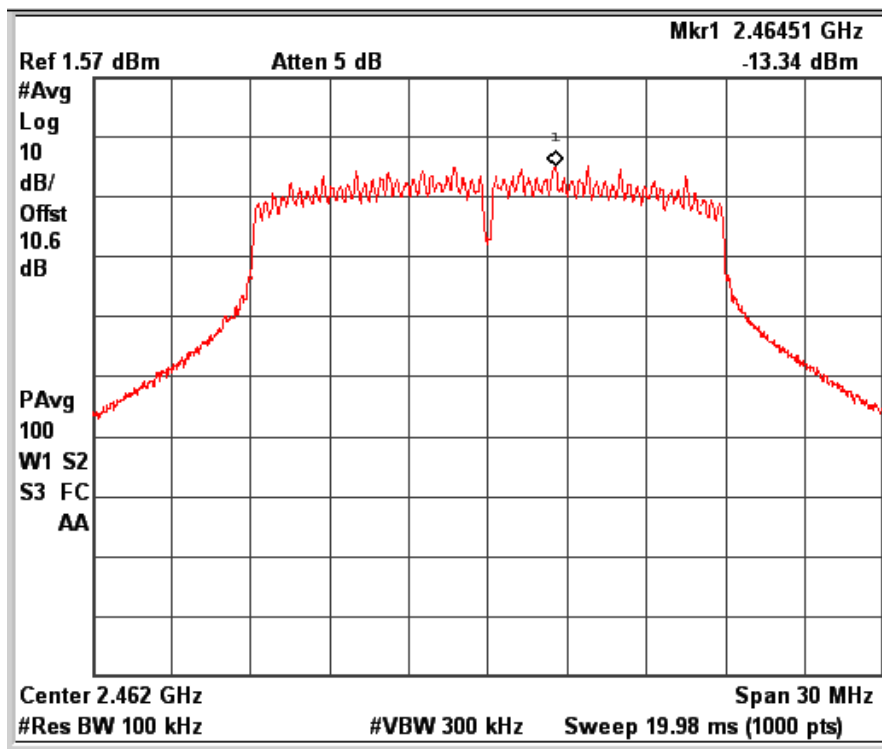
Channel Frequency: 2412 MHz

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Data rate: 65 Mbps

Channel Frequency: 2442 MHz



Data rate: 65 Mbps

Channel Frequency: 2462 MHz

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**6 dB Bandwidth**

**Section 15.247(a) (2)**

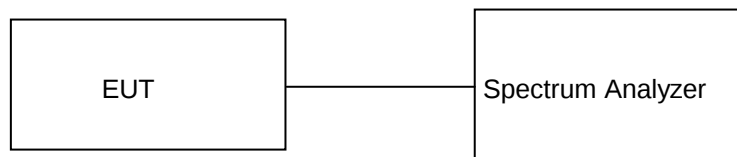
**Result**

**Pass**

Test Specification  
Requirement

FCC Part 15 Section 15.247 (a) (2)  
The minimum 6 dB bandwidth shall be at least 500 kHz.

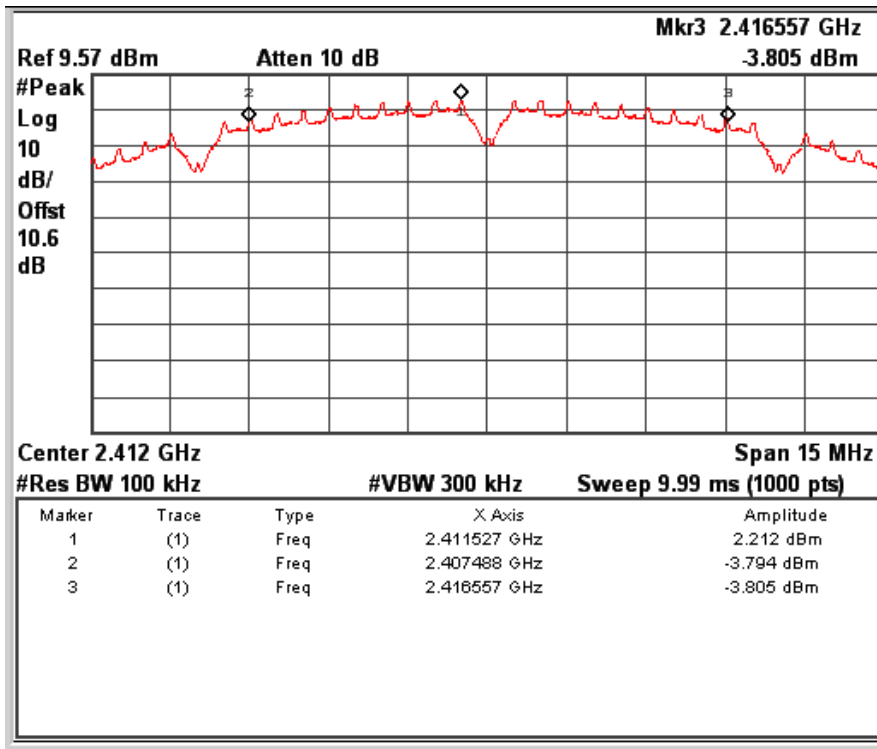
**Test Method:**



**Test Result:**

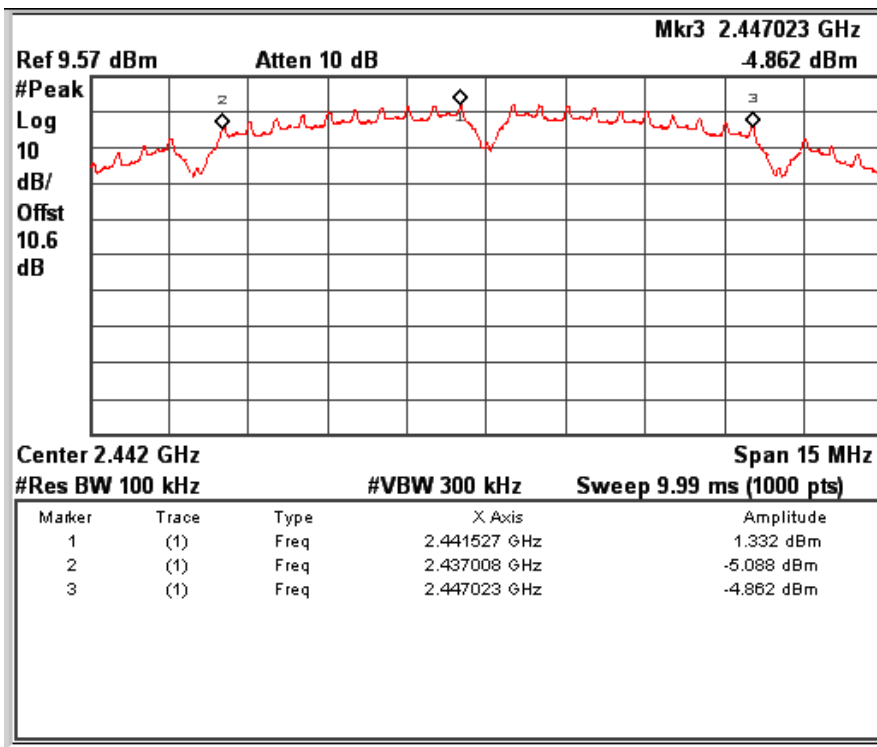
| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Lower Frequency (MHz) | Upper Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% OBW (MHz) |
|-----------------|------------------|-------------------------|-----------------------|-----------------------|----------------------|---------------|
| b               | 1                | 2412.00                 | 2407.48               | 2416.55               | 09.06                | 13.90         |
|                 |                  | 2442.00                 | 2437.00               | 2447.02               | 10.01                | 13.91         |
|                 |                  | 2462.00                 | 2457.02               | 2467.02               | 10.00                | 13.96         |
|                 | 11               | 2412.00                 | 2406.67               | 2417.71               | 11.03                | 14.37         |
|                 |                  | 2442.00                 | 2436.67               | 2447.71               | 11.03                | 14.40         |
|                 |                  | 2462.00                 | 2456.99               | 2467.08               | 10.09                | 14.41         |

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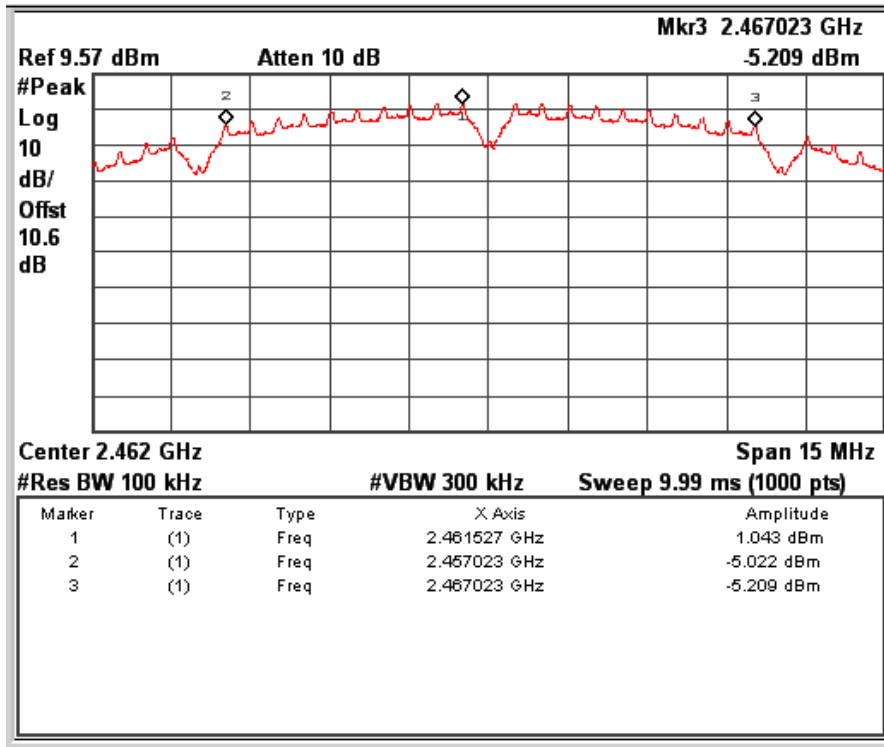
Data Rate: 1 Mbps

Channel frequency: 2412 MHz



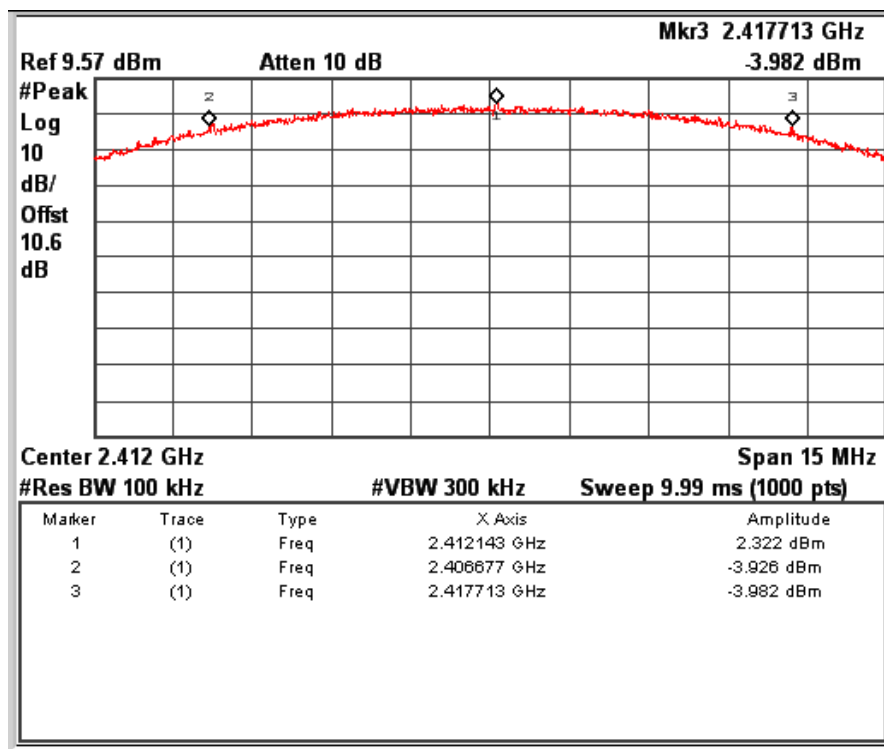
Data Rate: 1 Mbps

Channel frequency: 2442 MHz



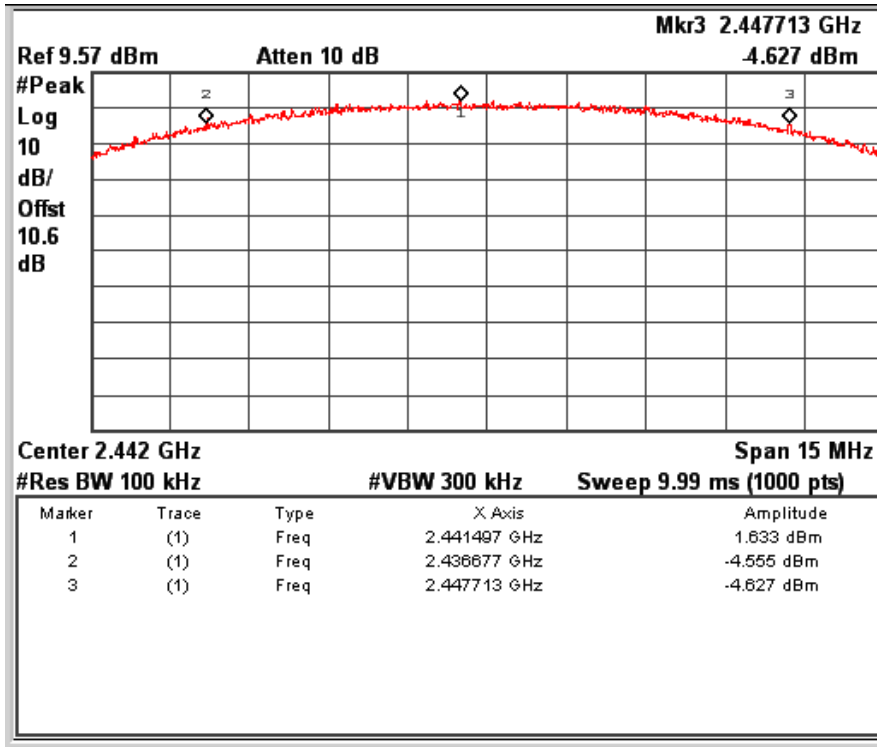
Data Rate: 1 Mbps

Channel frequency: 2462 MHz



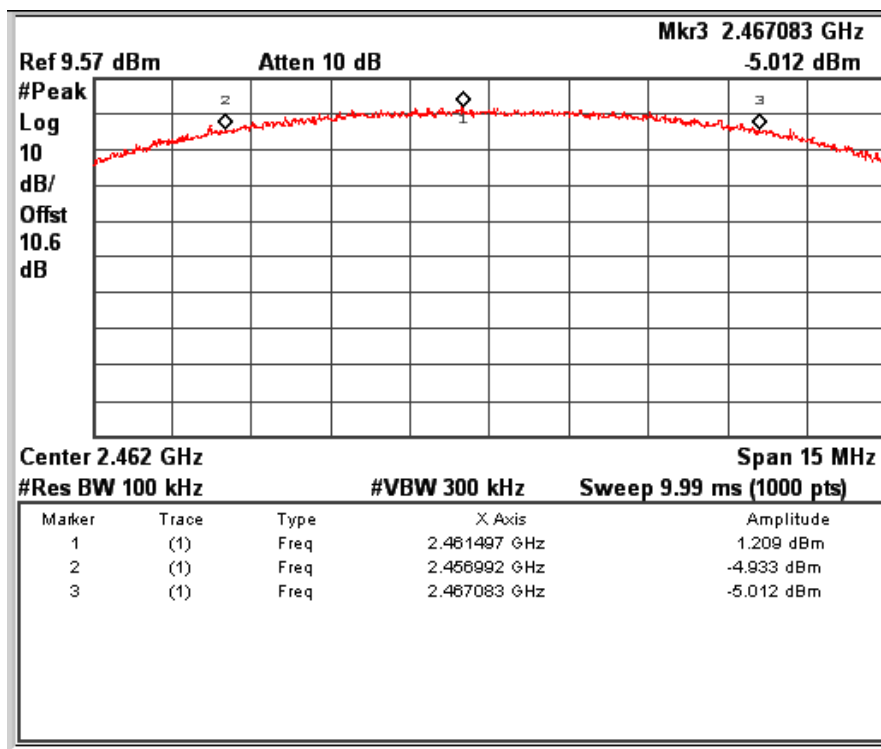
Data Rate: 11 Mbps

Channel frequencies: 2412 MHz



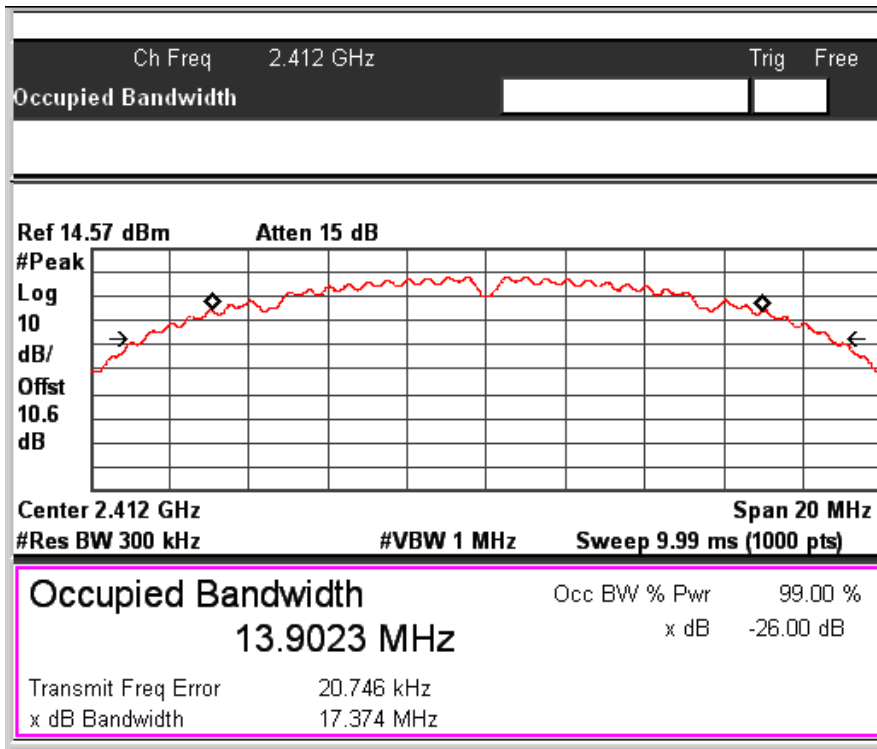
Data Rate: 11 Mbps

Channel frequency: 2442 MHz



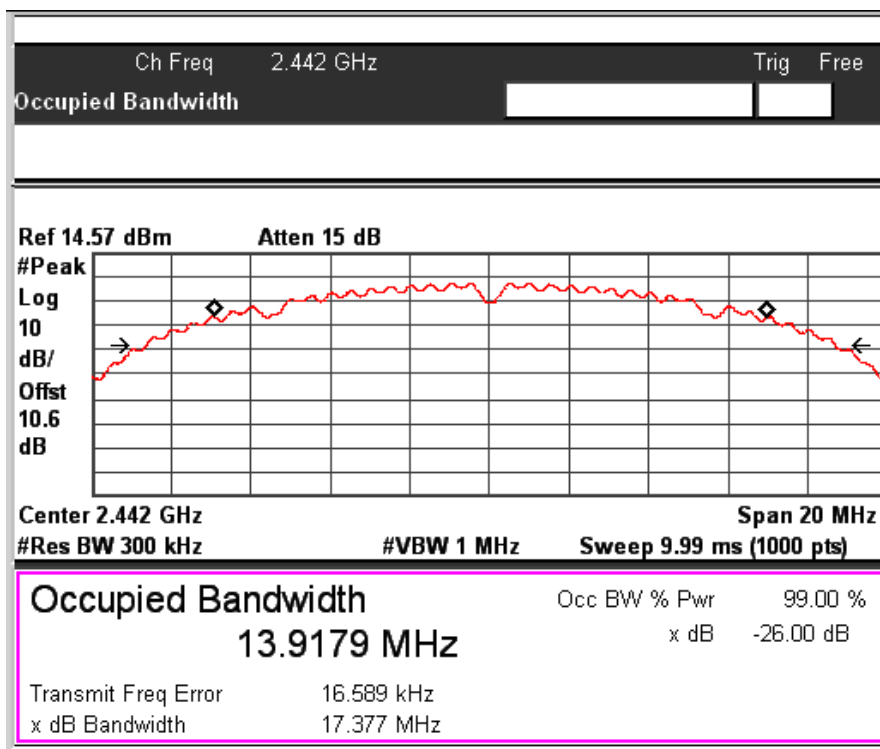
Data Rate: 11 Mbps

Channel frequency: 2462 MHz



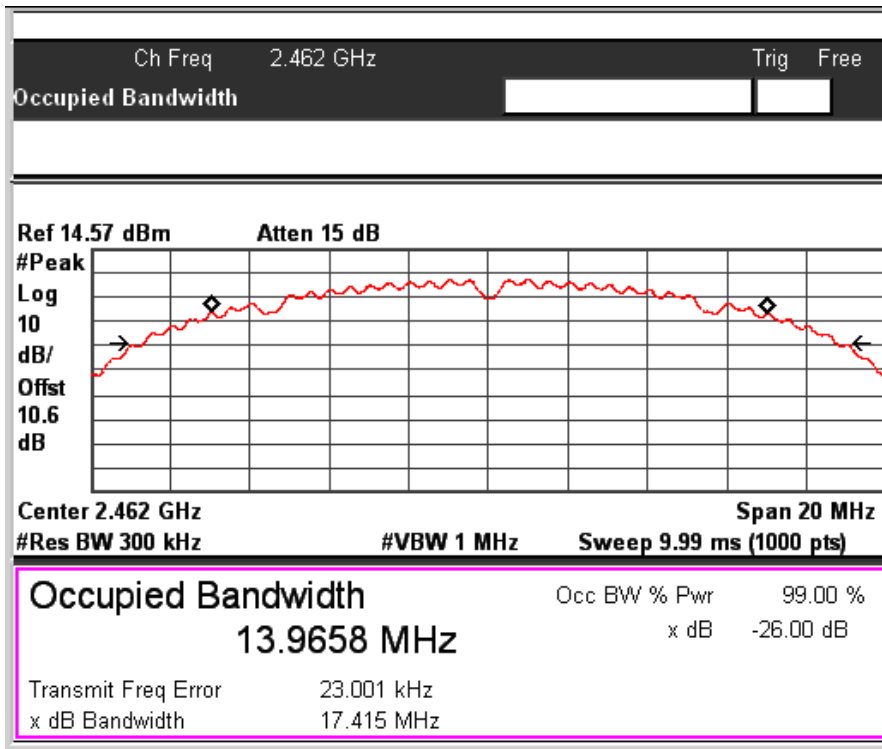
Data rate: 1 Mbps

99% OBW: Channel 2412MHz



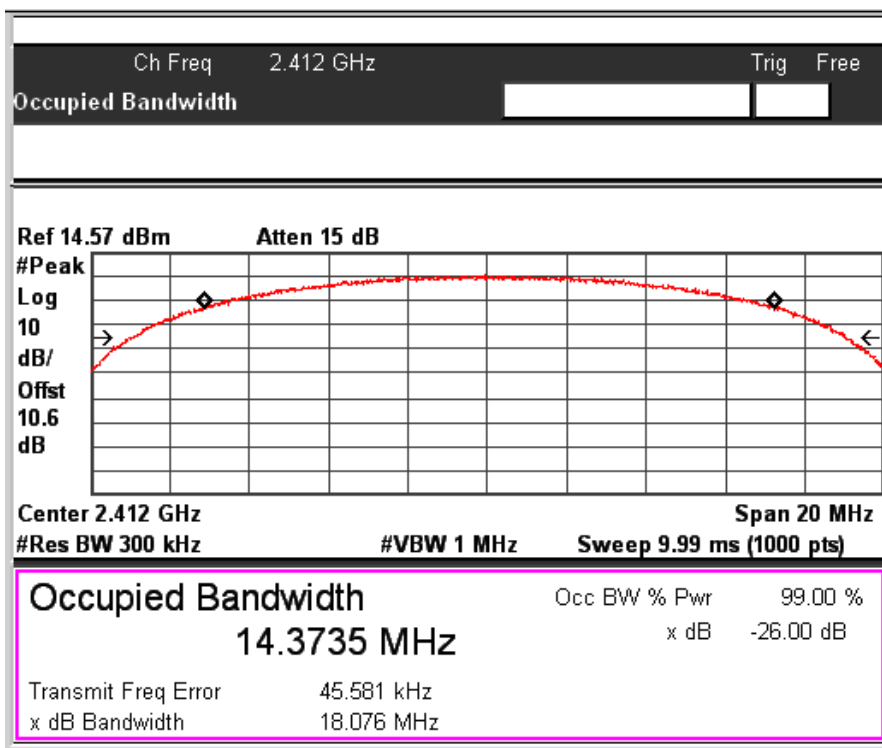
Data rate: 1 Mbps

99% OBW: Channel 2442MHz



Data rate: 1 Mbps

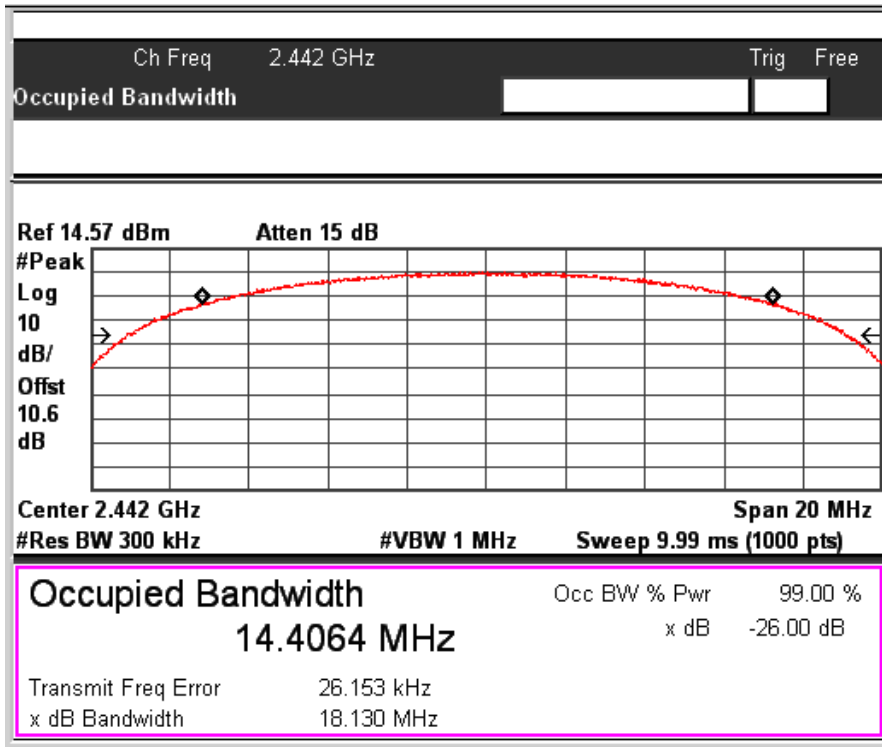
99% OBW: Channel 2462MHz



Data rate: 11 Mbps

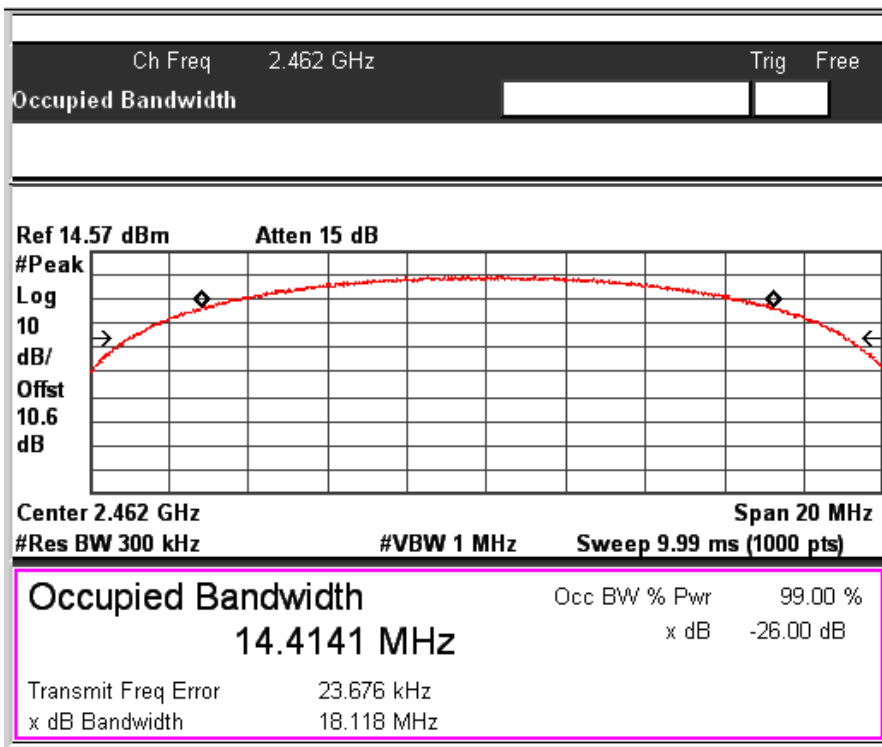
99% OBW: Channel 2412MHz

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Data rate: 11 Mbps

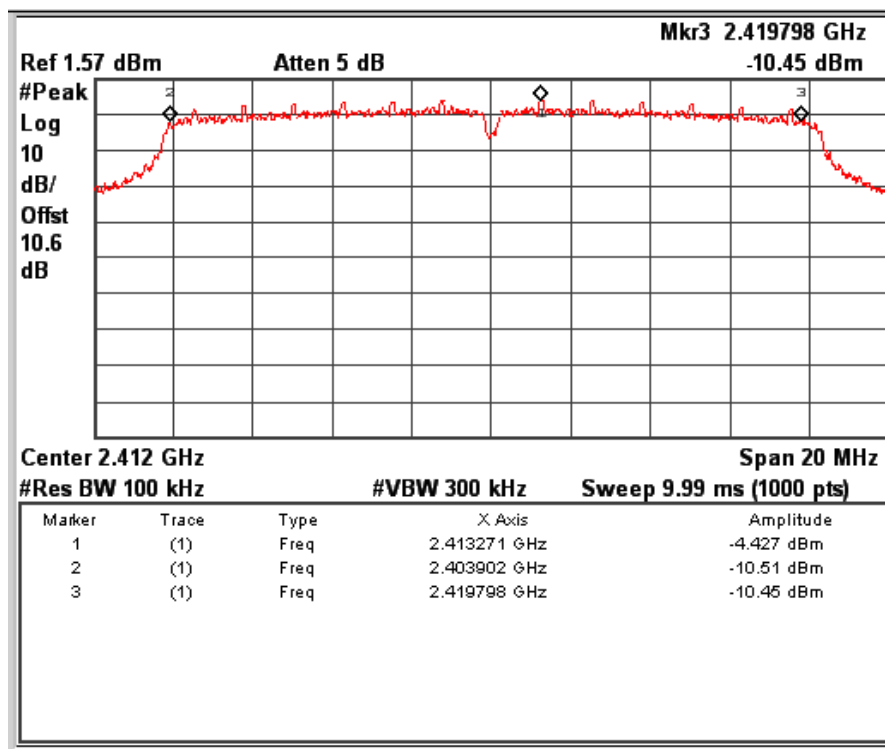
99% OBW: Channel 2442MHz



Data rate: 11 Mbps

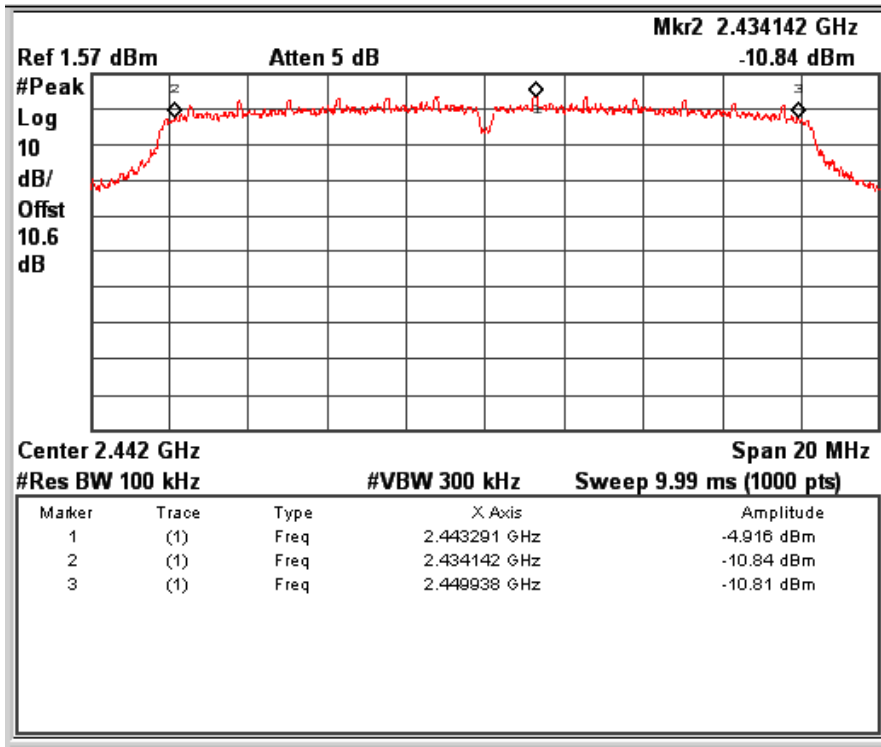
99% OBW: Channel 2462MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Lower Frequency (MHz) | Upper Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% OBW (MHz) |
|-----------------|------------------|-------------------------|-----------------------|-----------------------|----------------------|---------------|
| g               | 6                | 2412.00                 | 2403.90               | 2419.79               | 15.89                | 16.69         |
|                 |                  | 2442.00                 | 2434.14               | 2449.93               | 15.79                | 16.69         |
|                 |                  | 2462.00                 | 2454.24               | 2469.91               | 15.67                | 16.70         |
|                 | 24               | 2412.00                 | 2403.84               | 2420.23               | 16.39                | 16.59         |
|                 |                  | 2442.00                 | 2433.92               | 2450.21               | 16.29                | 16.60         |
|                 |                  | 2462.00                 | 2453.84               | 2470.21               | 16.37                | 16.59         |
|                 | 54               | 2412.00                 | 2403.84               | 2420.21               | 16.37                | 16.59         |
|                 |                  | 2442.00                 | 2433.82               | 2450.19               | 16.37                | 16.60         |
|                 |                  | 2462.00                 | 2453.90               | 2470.11               | 16.21                | 16.61         |



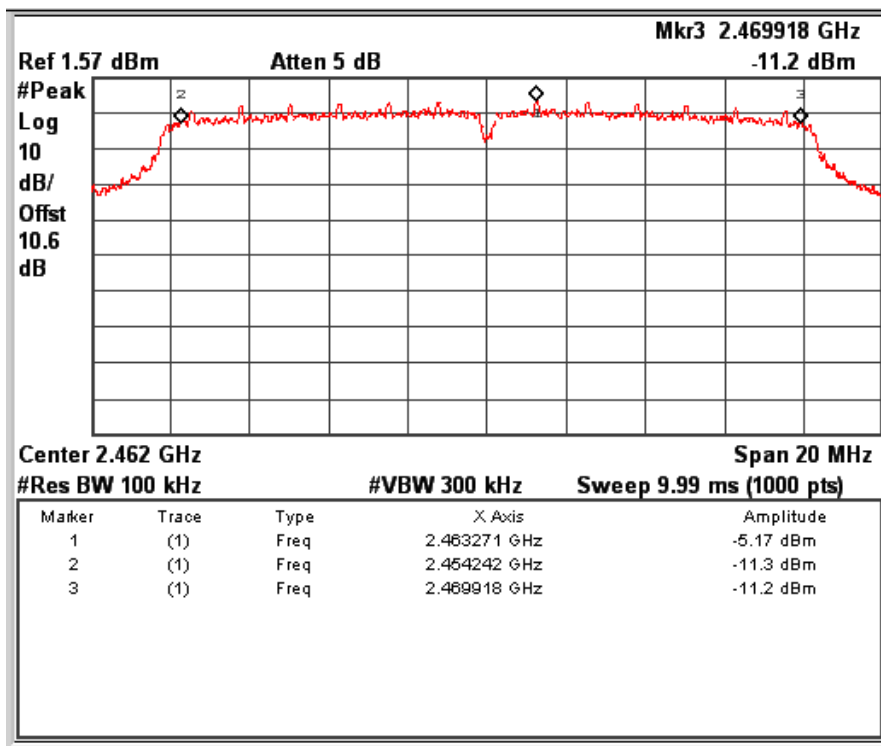
Data Rate: 6 Mbps

Channel frequencies: 2412 MHz



Data Rate: 6 Mbps

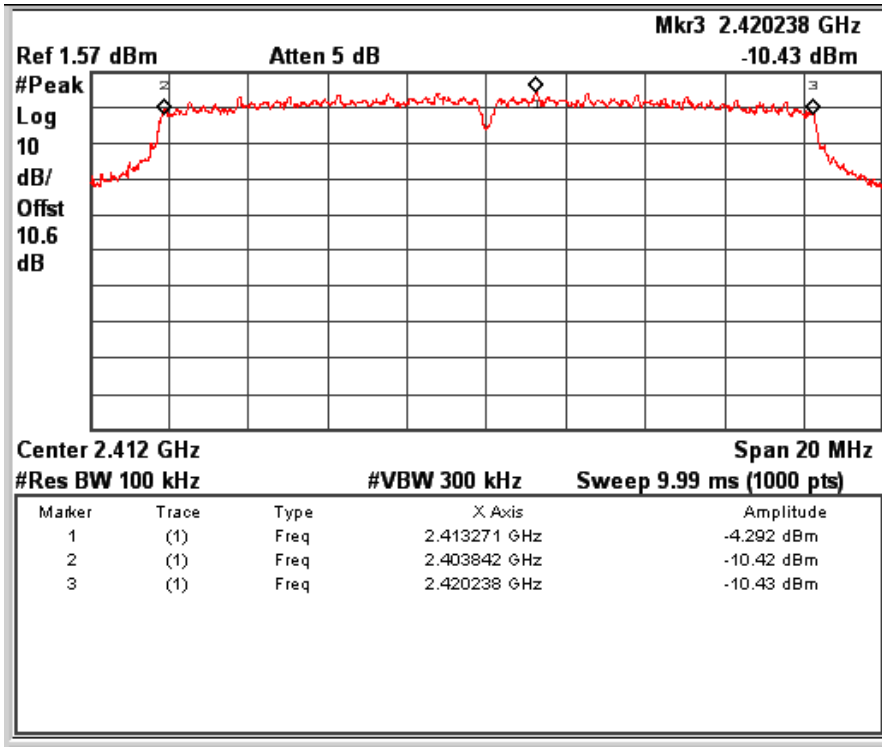
Channel frequencies: 2442 MHz



Data Rate: 6 Mbps

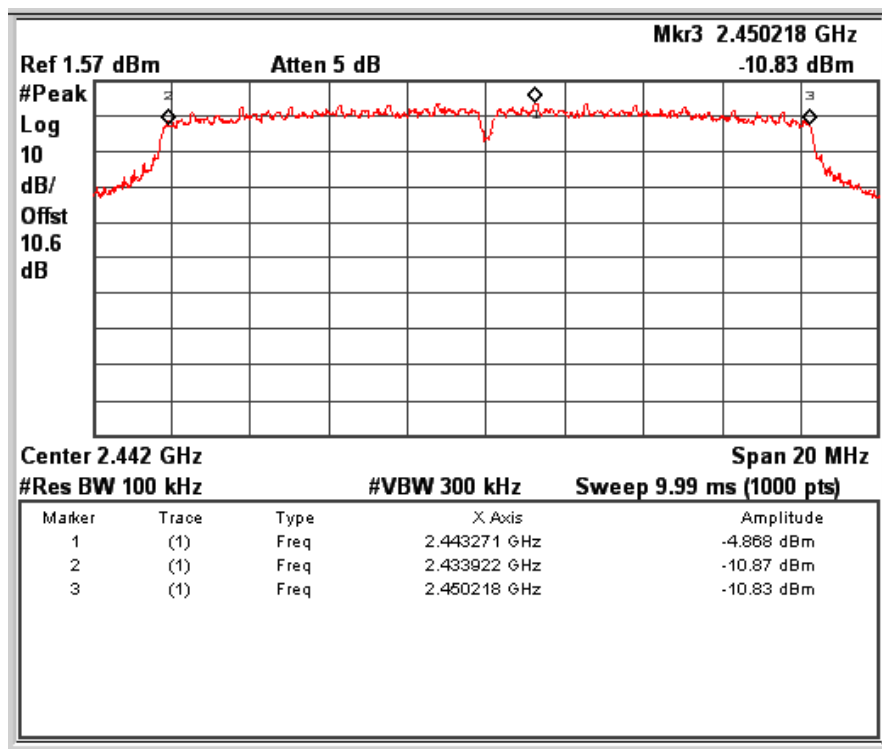
Channel frequencies: 2462 MHz

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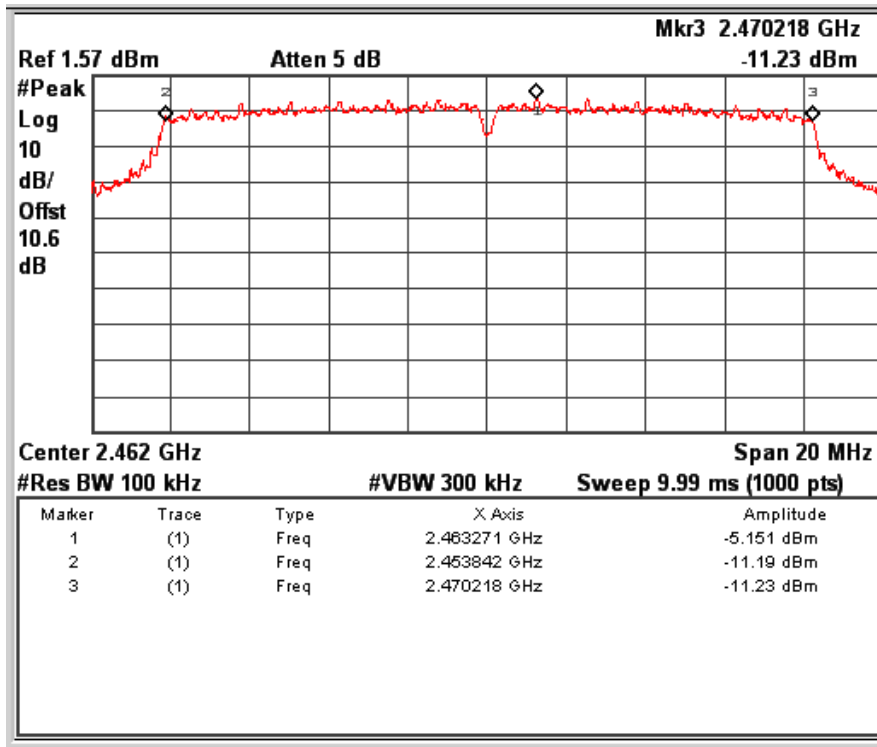
Data Rate: 24 Mbps

Channel frequencies: 2412 MHz



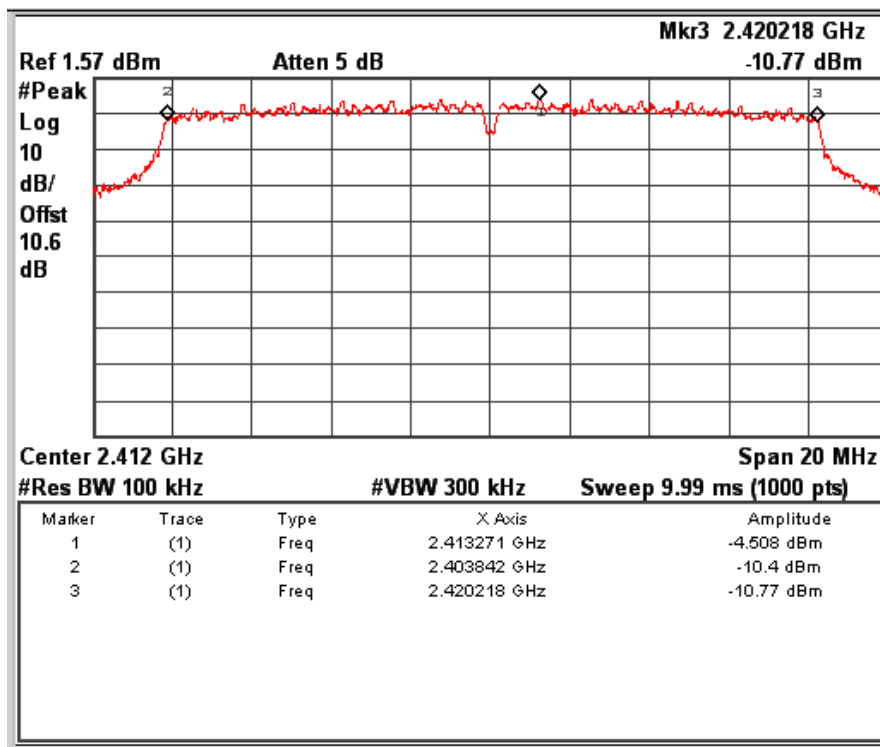
Data Rate: 24 Mbps

Channel frequencies: 2442 MHz



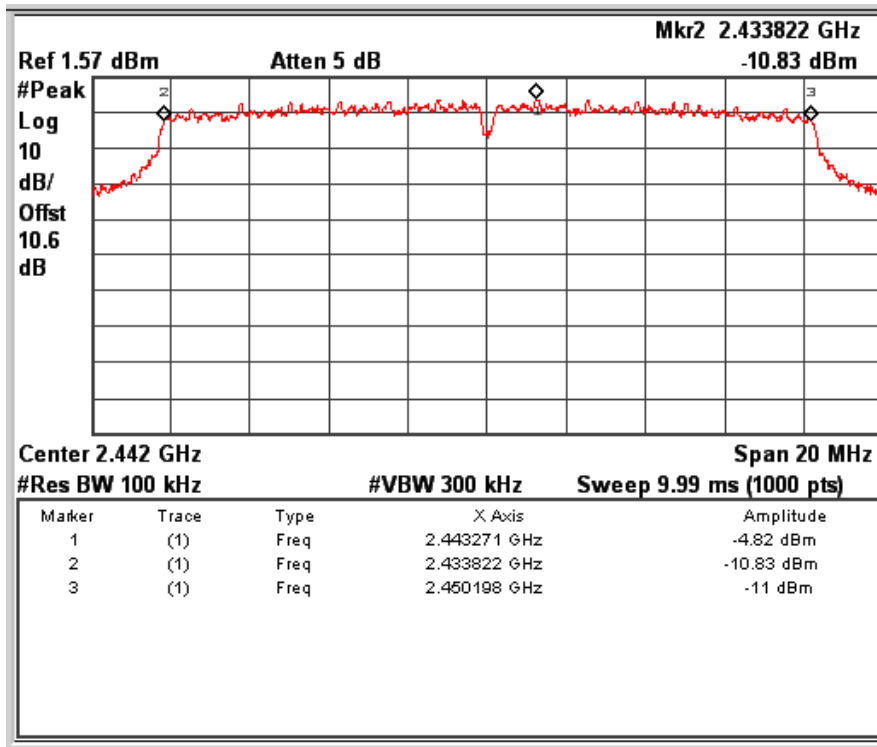
Data Rate: 24 Mbps

Channel frequencies: 2462 MHz



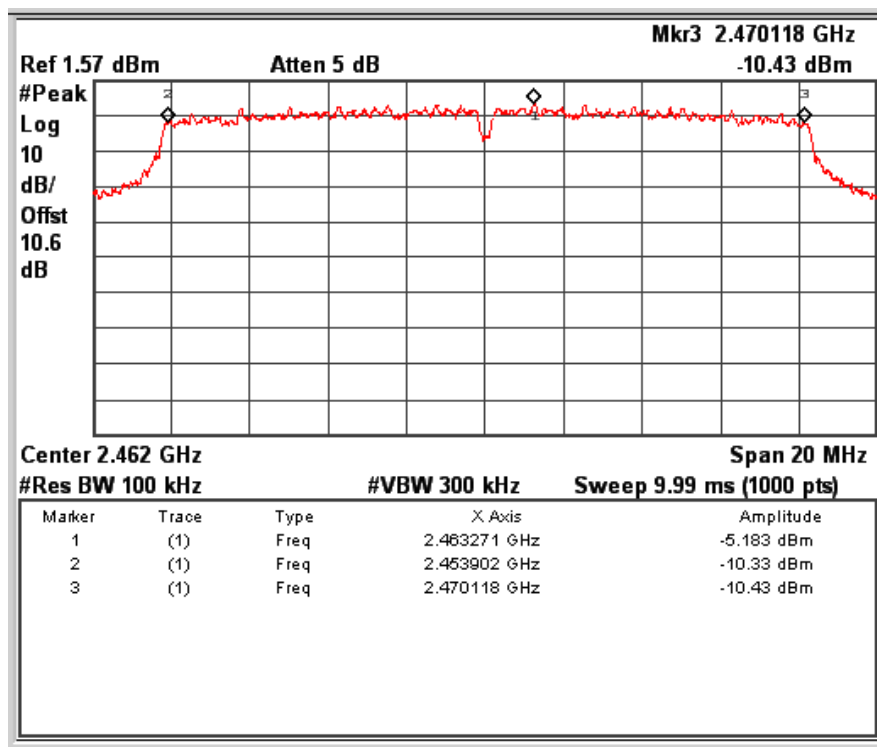
Data Rate: 54 Mbps

Channel frequencies: 2412 MHz



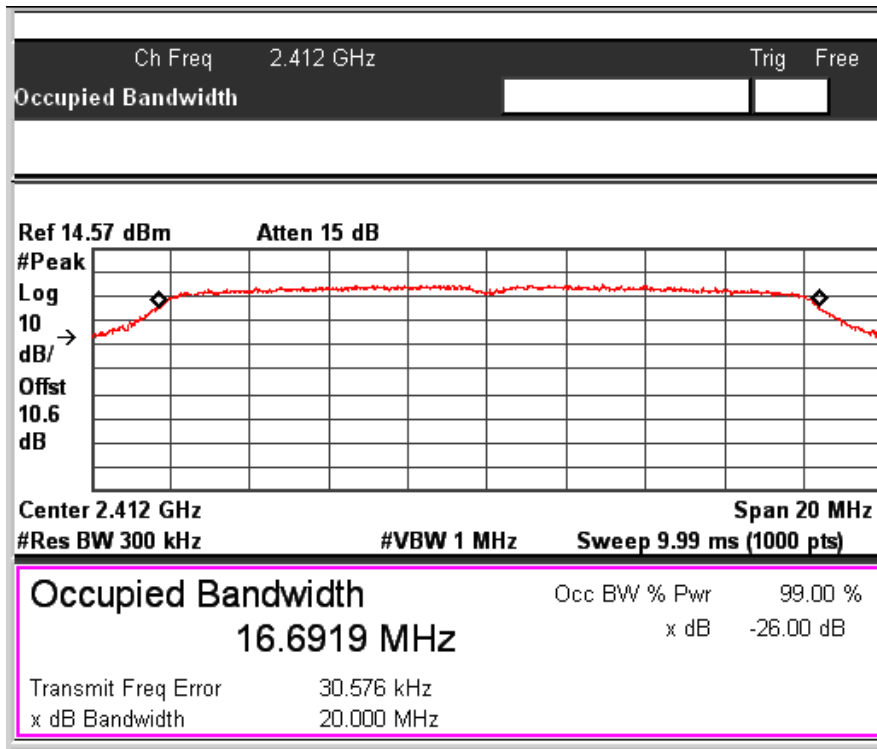
Data Rate: 54 Mbps

Channel frequencies: 2442MHz



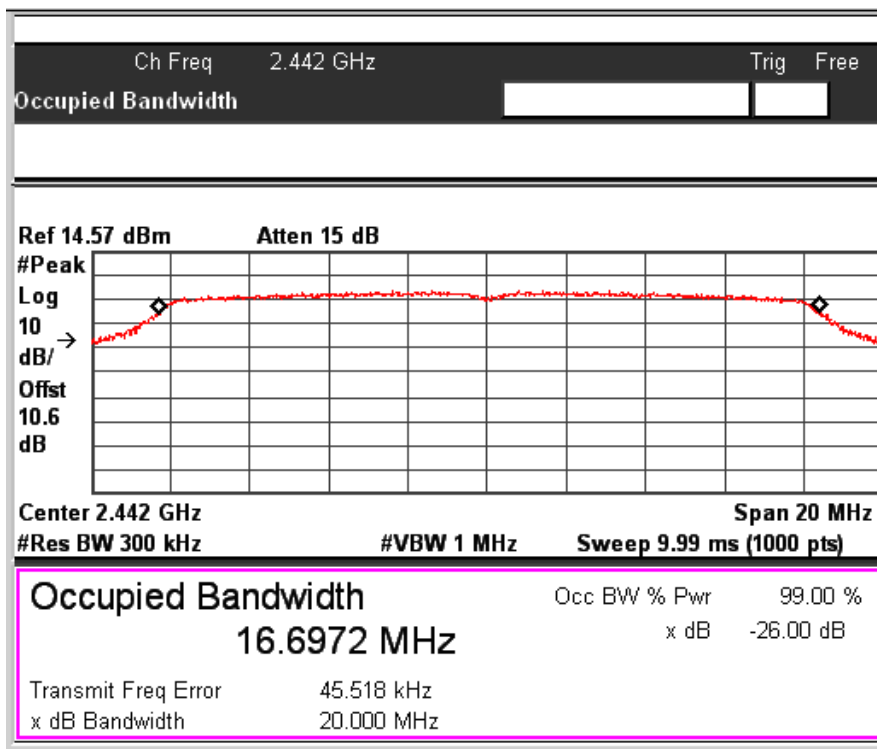
Data Rate: 54 Mbps

Channel frequencies: 2462 MHz



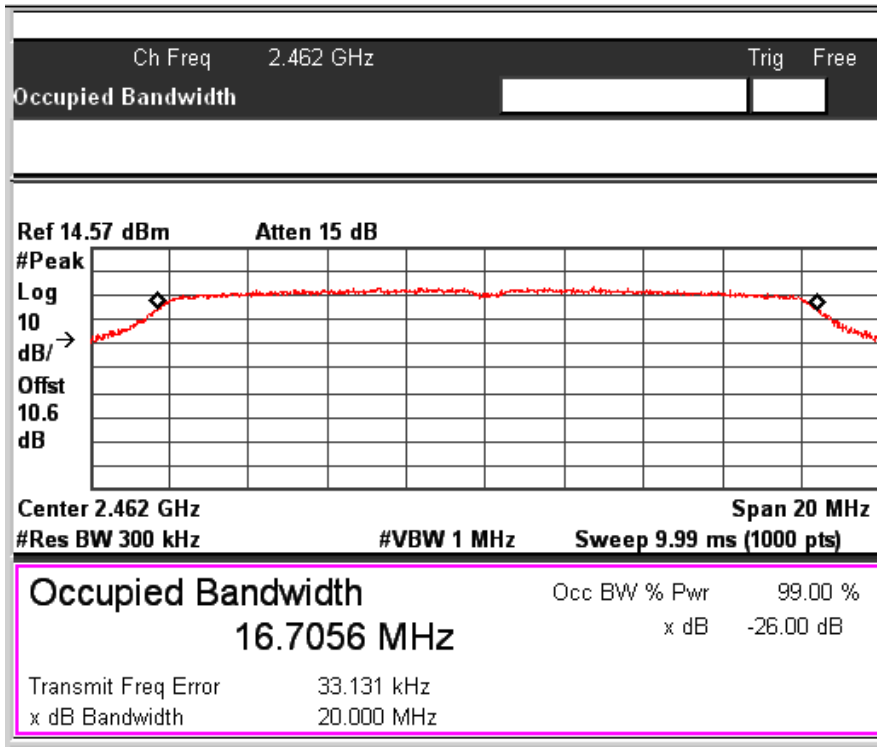
Data Rate: 6 Mbps

99% OBW: Channel 2412MHz



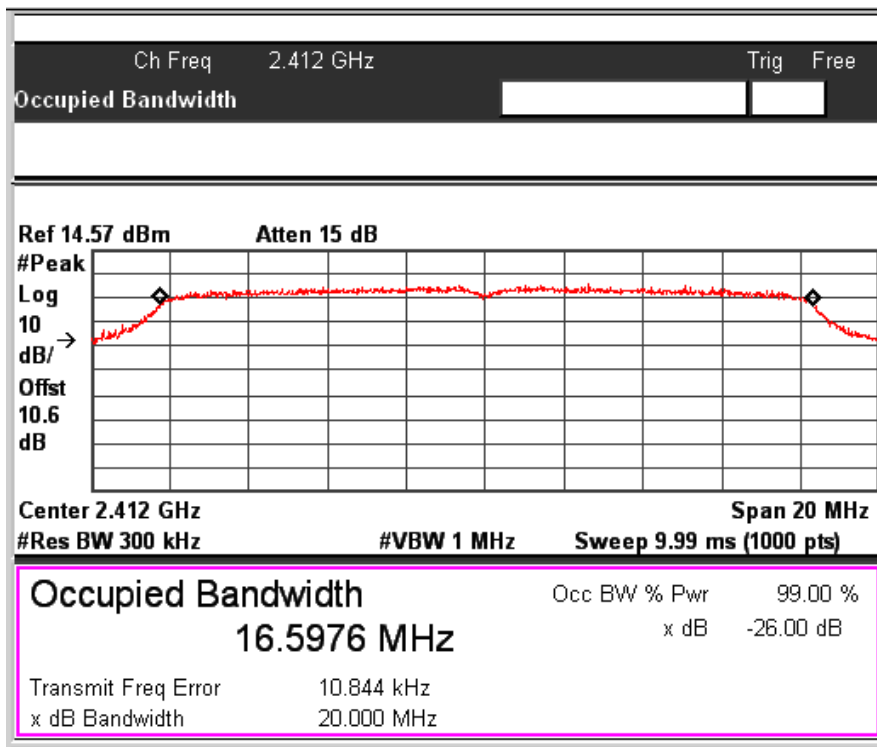
Data Rate: 6 Mbps

99% OBW: Channel 2442MHz



Data Rate: 6 Mbps

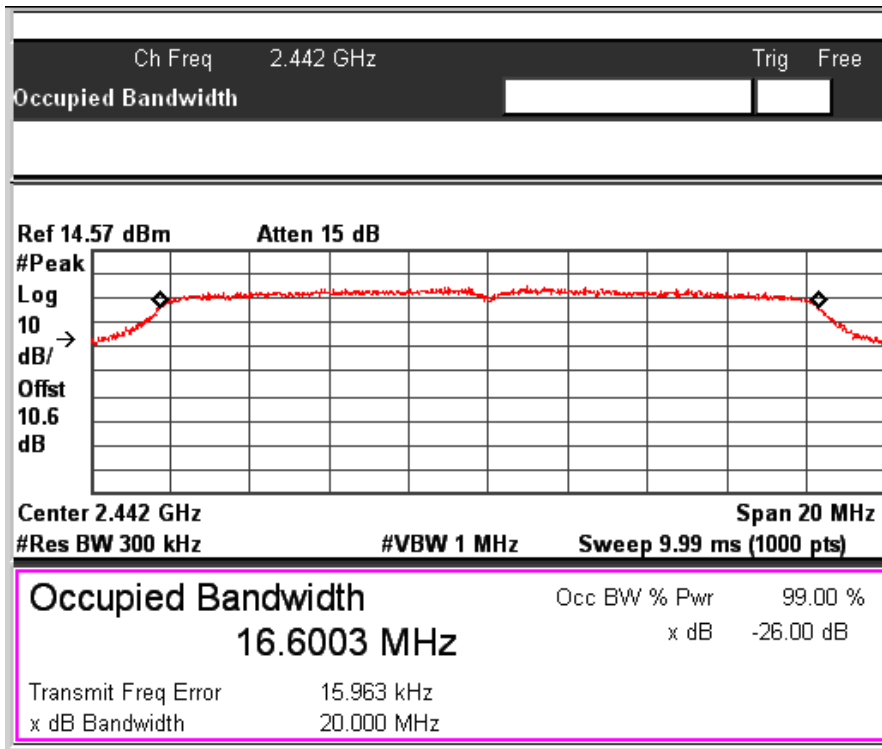
99% OBW: Channel 2462MHz



Data Rate: 24 Mbps

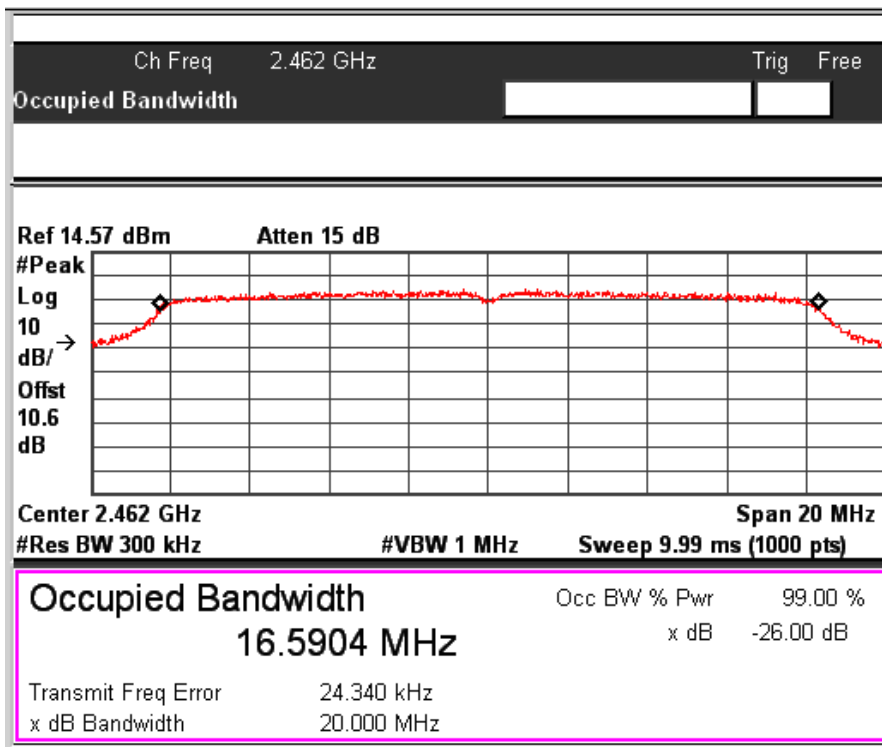
99% OBW: Channel 2412MHz

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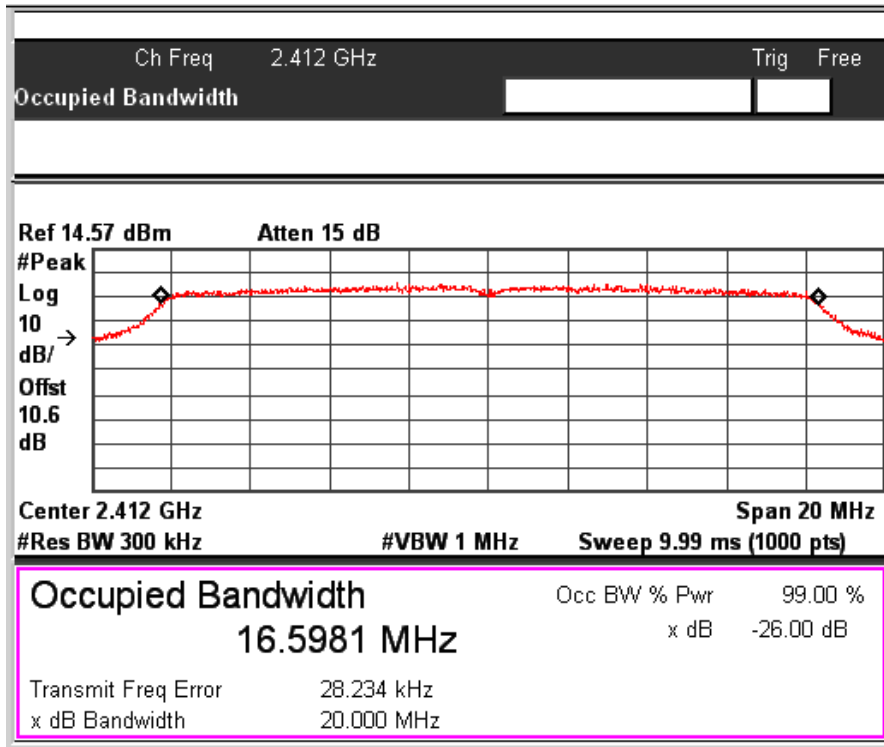
Data Rate: 24 Mbps

99% OBW: Channel 2442MHz



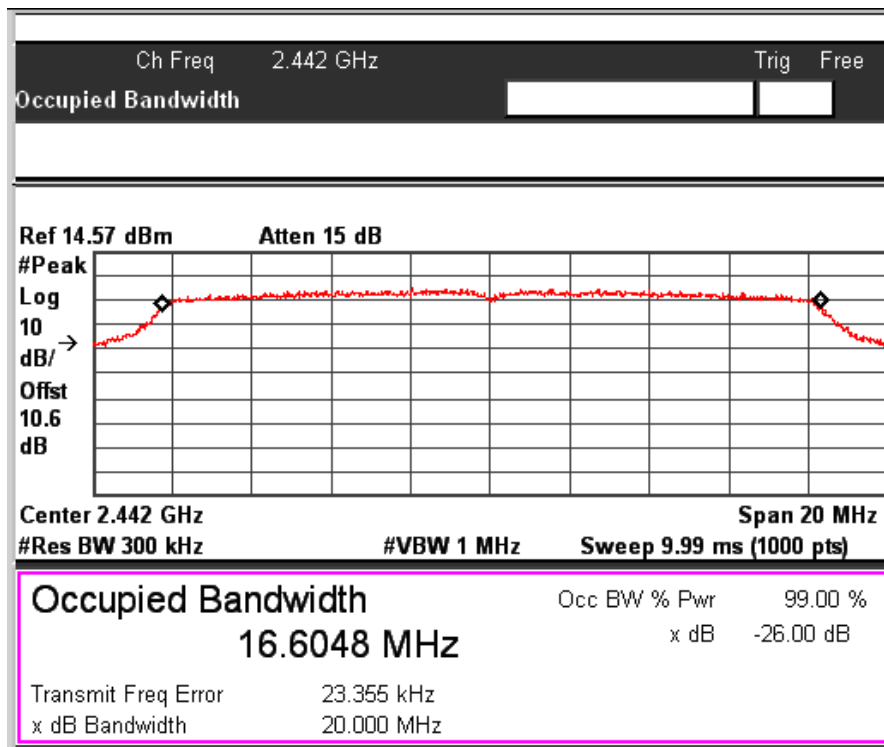
Data Rate: 24 Mbps

99% OBW: Channel 2462MHz



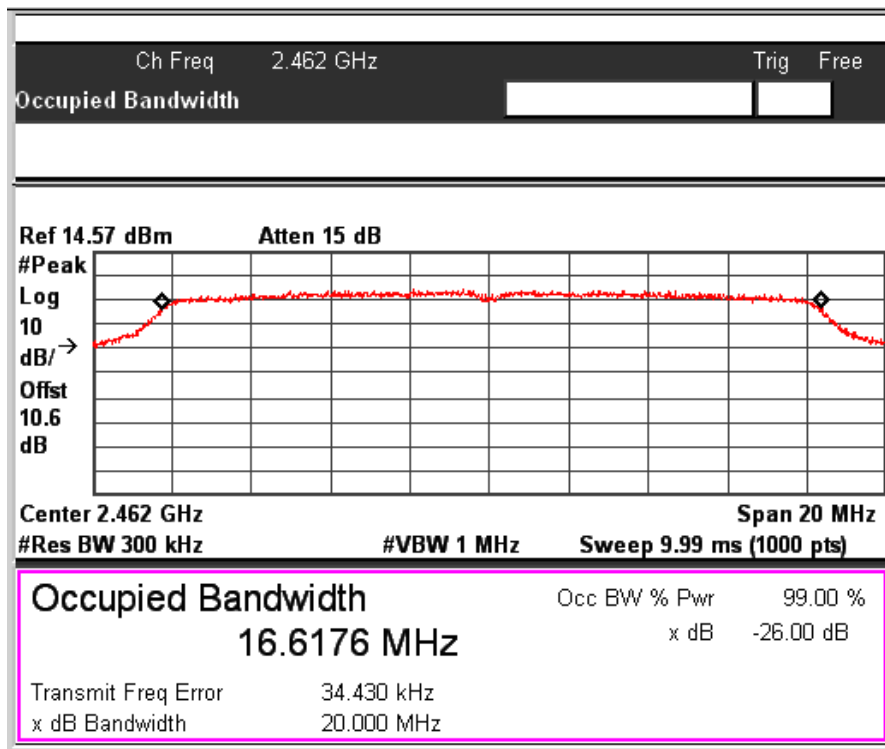
Data Rate: 54 Mbps

99% OBW: Channel 2412MHz



Data Rate: 54 Mbps

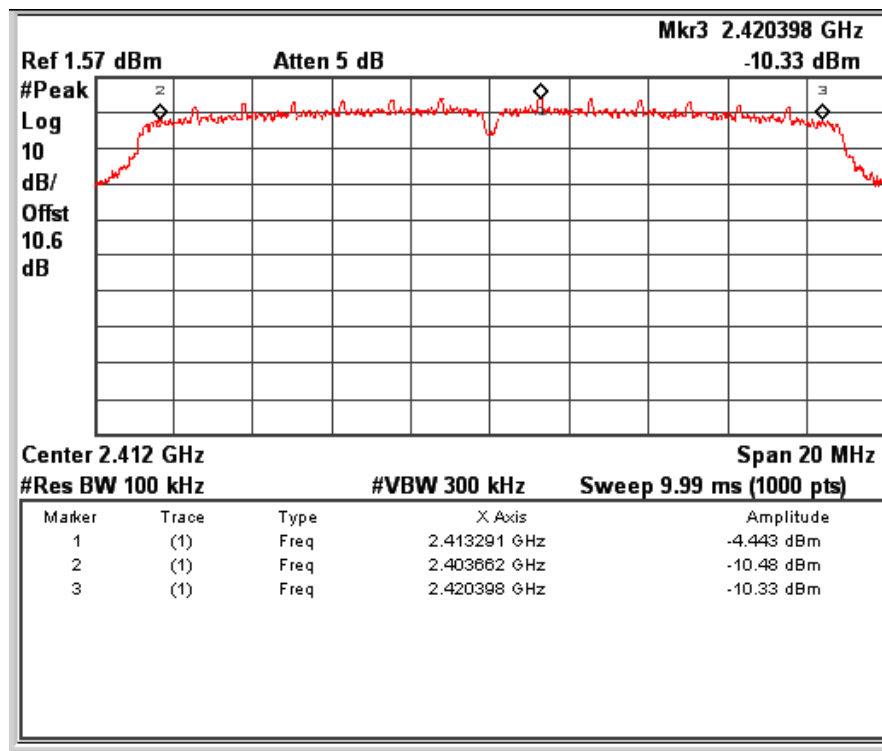
99% OBW: Channel 2442MHz



Data Rate: 54 Mbps

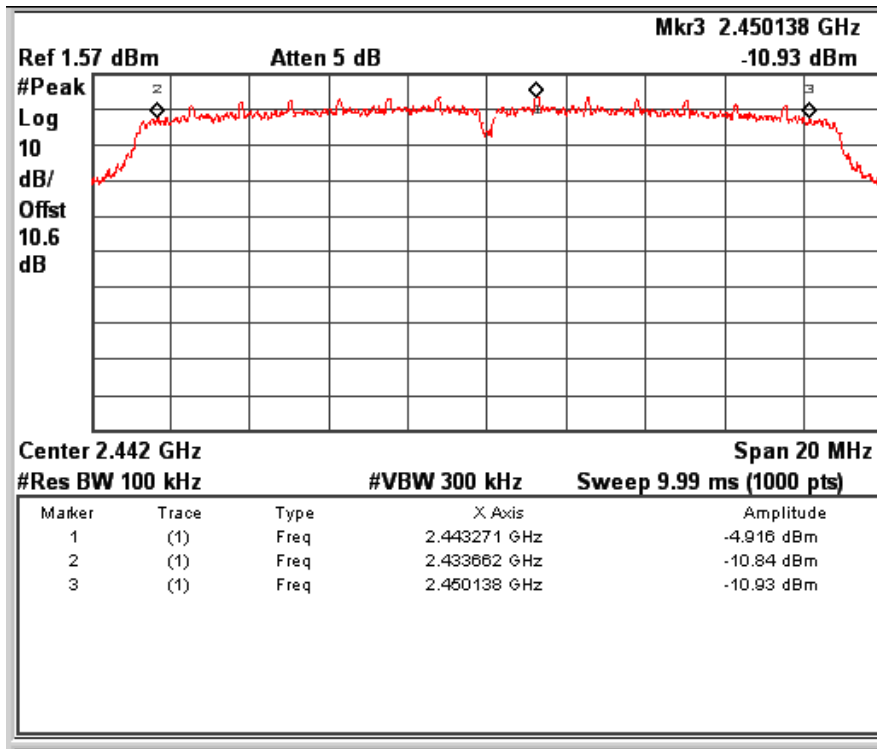
99% OBW: Channel 2462MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Lower Frequency (MHz) | Upper Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% OBW (MHz) |
|-----------------|------------------|-------------------------|-----------------------|-----------------------|----------------------|---------------|
| n               | 6.5              | 2412.00                 | 2403.66               | 2420.39               | 16.73                | 17.69         |
|                 |                  | 2442.00                 | 2433.66               | 2450.13               | 16.47                | 17.69         |
|                 |                  | 2462.00                 | 2454.46               | 2469.59               | 15.13                | 17.72         |
|                 | 39               | 2412.00                 | 2403.62               | 2420.77               | 17.15                | 17.68         |
|                 |                  | 2442.00                 | 2433.62               | 2450.75               | 17.13                | 17.70         |
|                 |                  | 2462.00                 | 2453.56               | 2470.75               | 17.19                | 17.67         |
|                 | 65               | 2412.00                 | 2403.54               | 2420.77               | 17.23                | 17.69         |
|                 |                  | 2442.00                 | 2433.28               | 2450.77               | 17.49                | 17.70         |
|                 |                  | 2462.00                 | 2453.24               | 2470.71               | 17.47                | 17.69         |



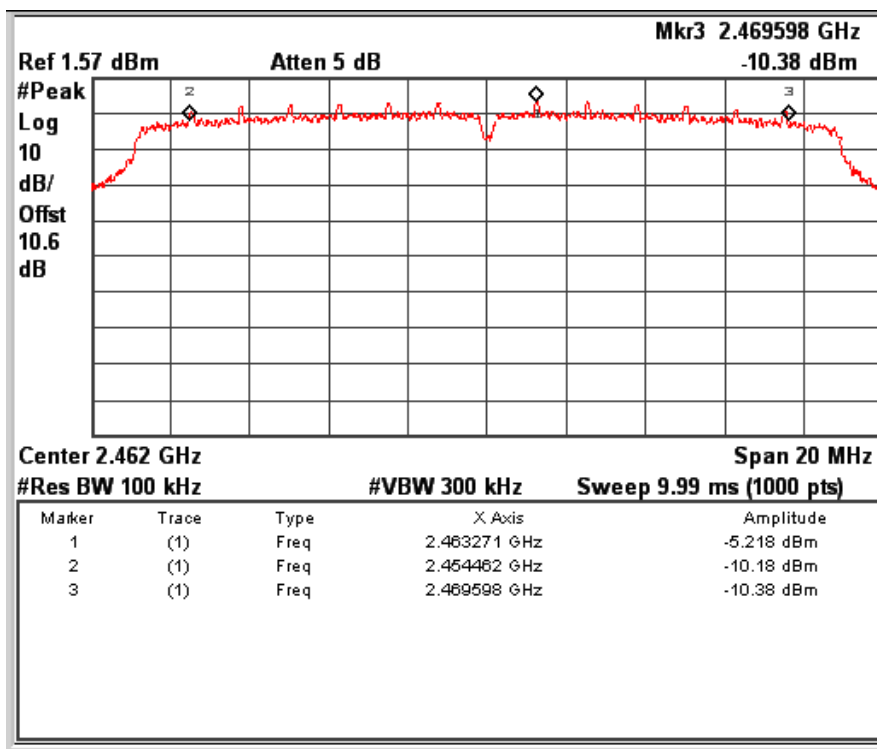
Data Rate: 6.5 Mbps

Channel: 2412 MHz



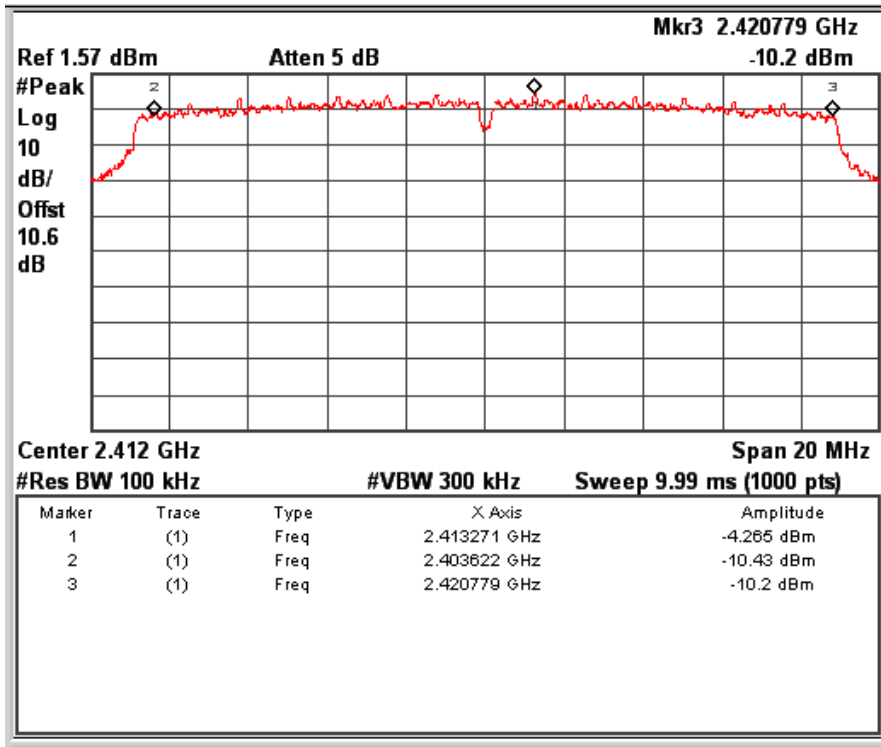
Data Rate: 6.5 Mbps

Channel: 2442 MHz



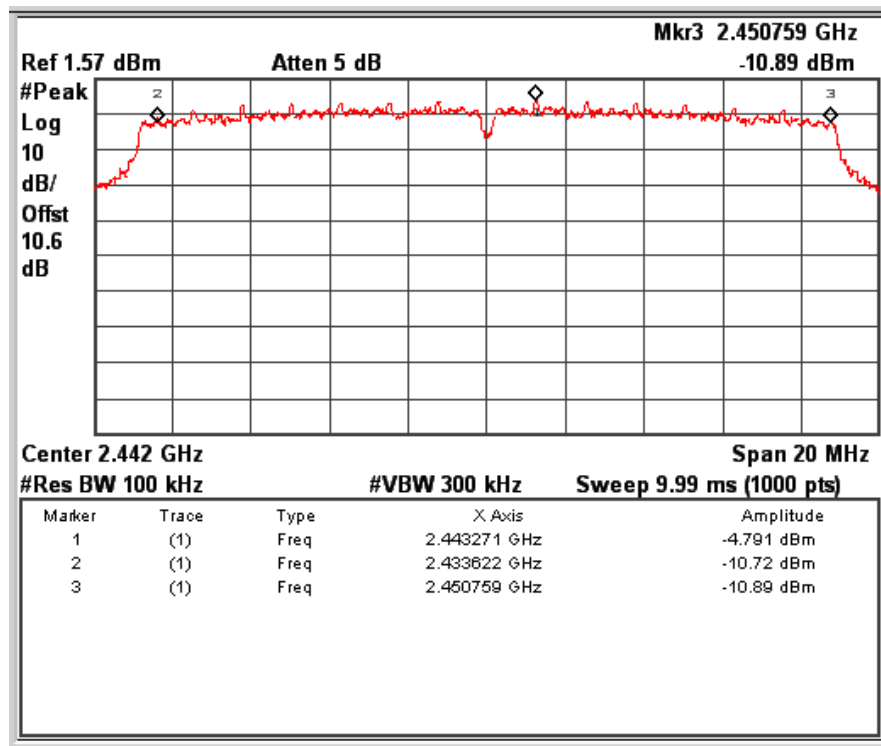
Data Rate: 6.5 Mbps

Channel: 2462 MHz



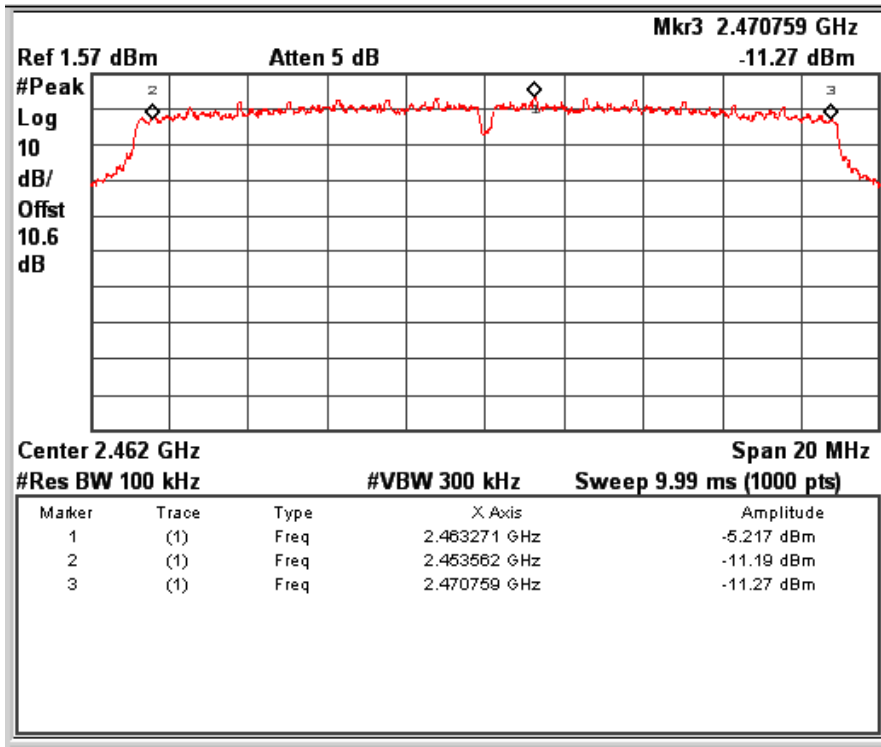
Data Rate: 39 Mbps

Channel: 2412 MHz



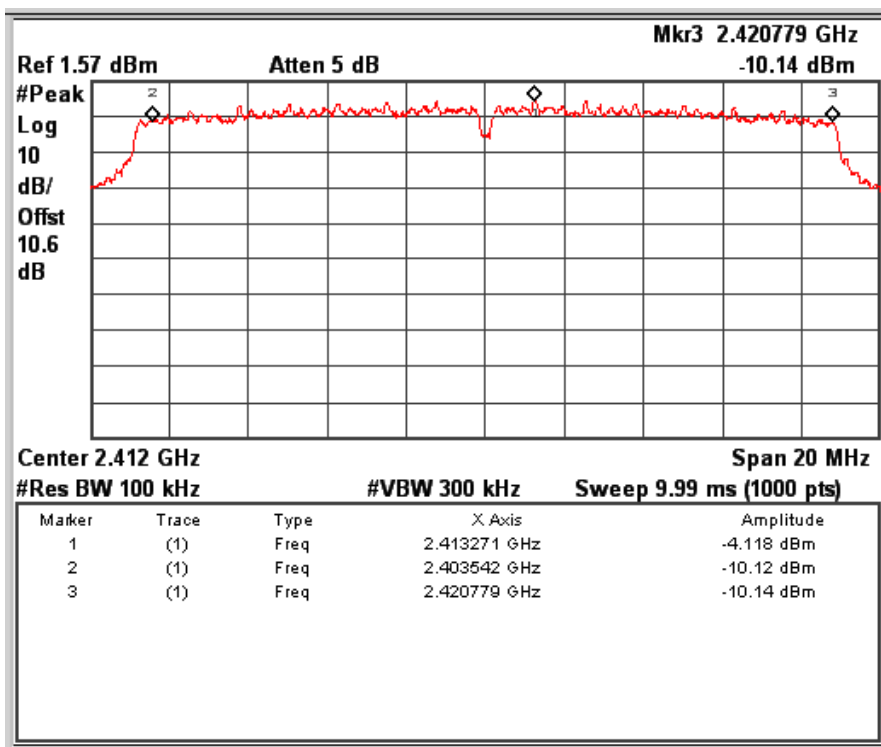
Data Rate: 39 Mbps

Channel: 2442 MHz



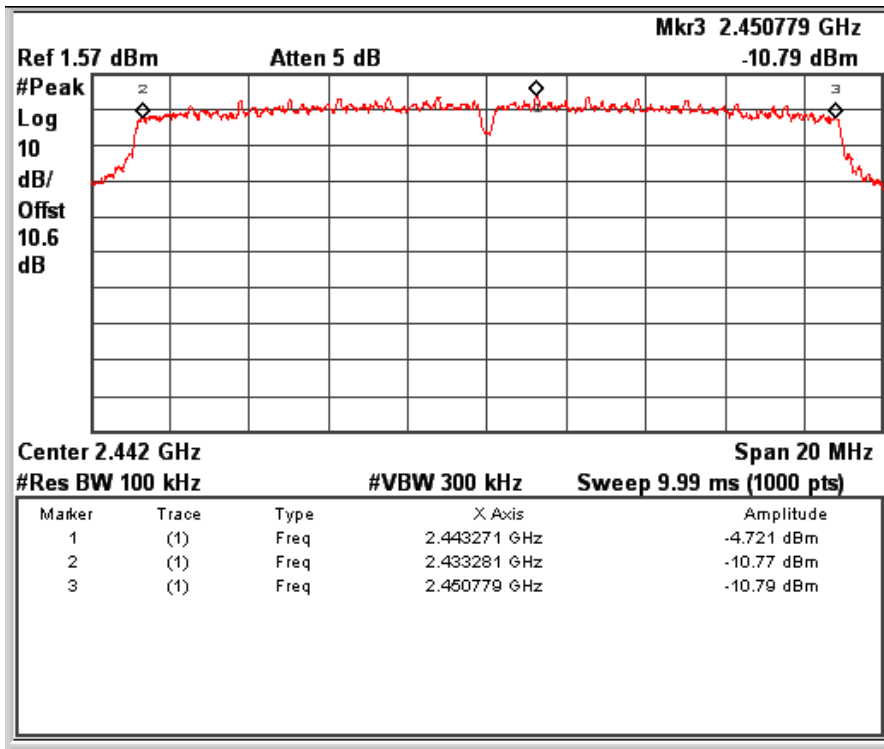
Data Rate: 39 Mbps

Channel: 2462 MHz



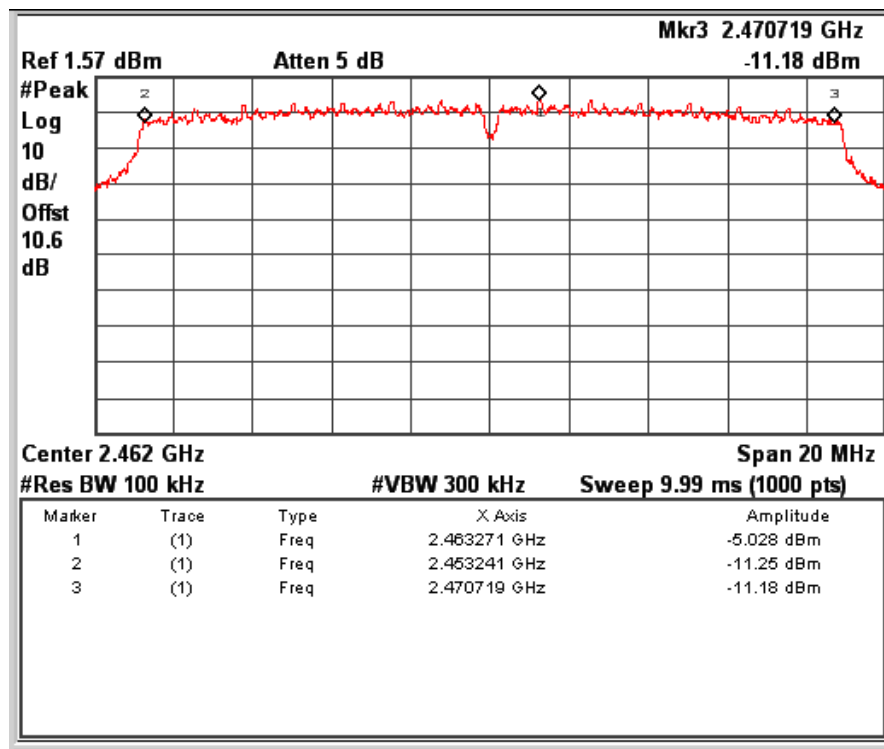
Data Rate: 65 Mbps

Channel: 2412 MHz



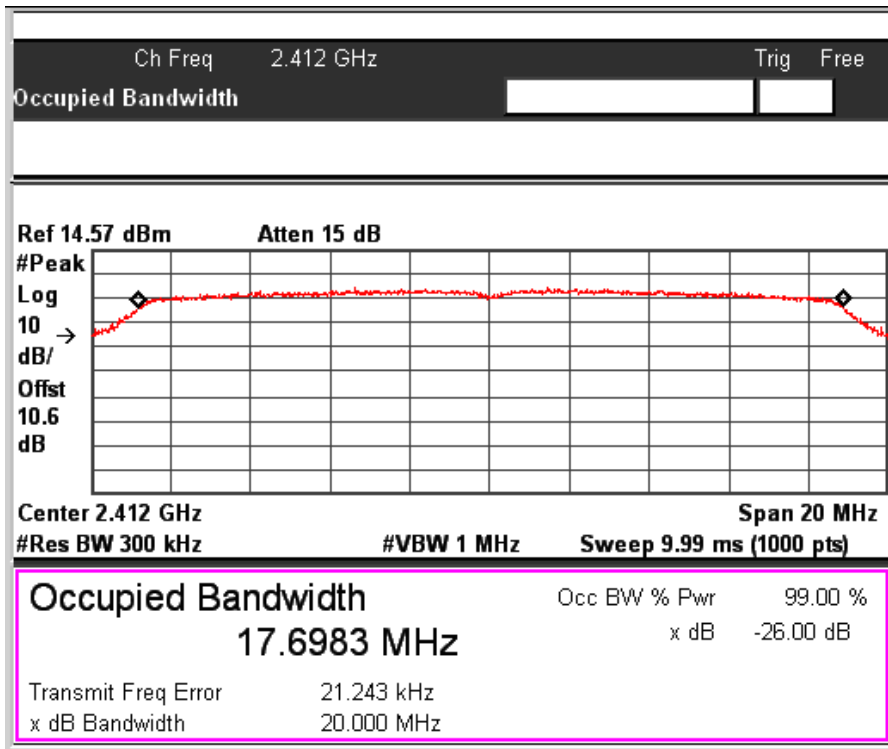
Data Rate: 65 Mbps

Channel: 2442MHz



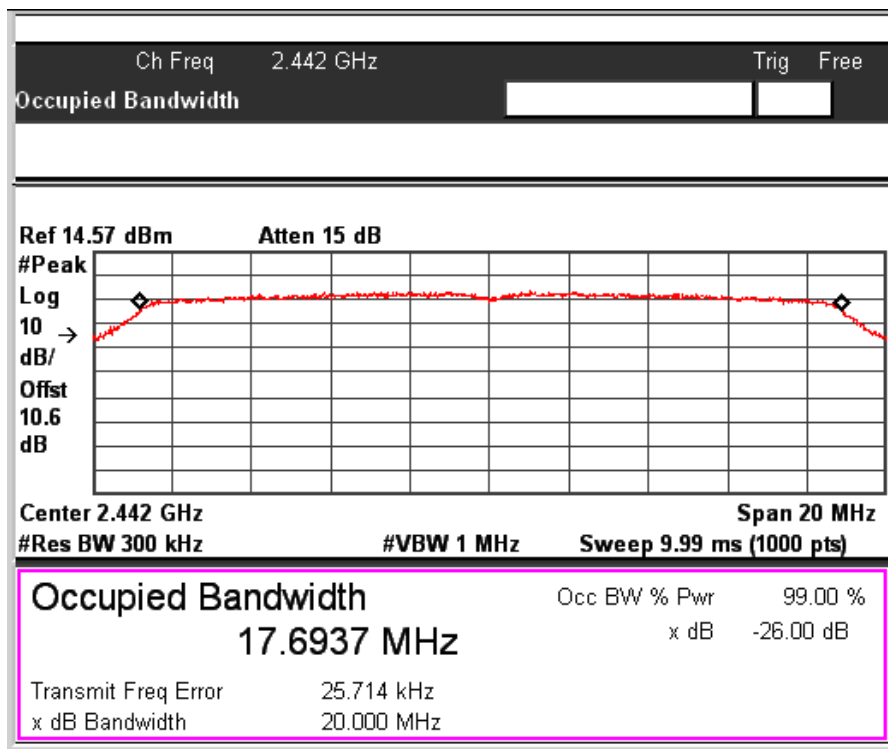
Data Rate: 65 Mbps

Channel: 2462 MHz



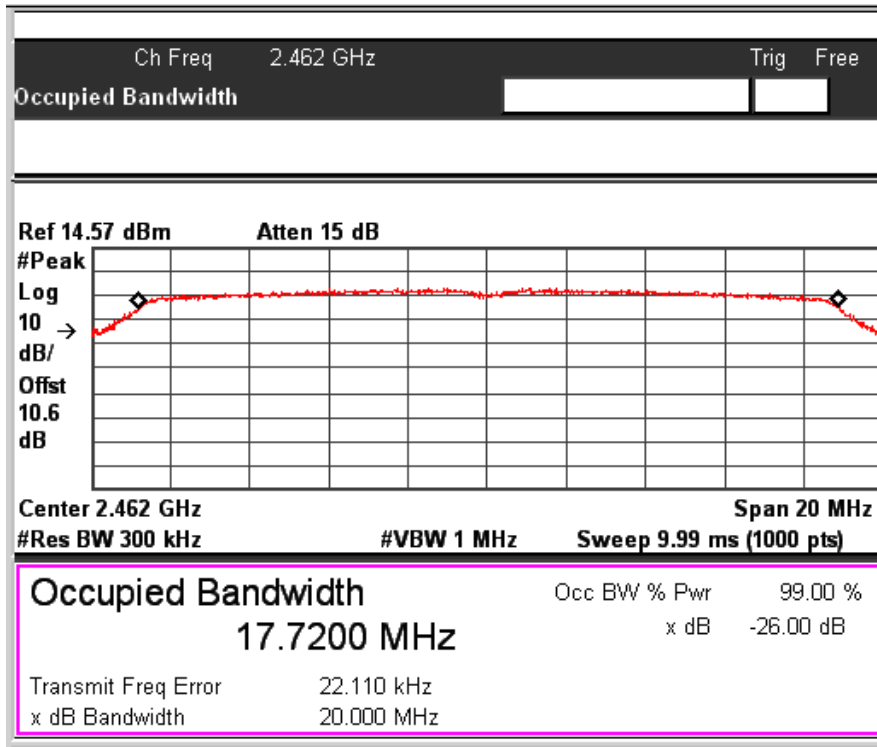
Data Rate: 6.5 Mbps

99% OBW: Channel 2412MHz



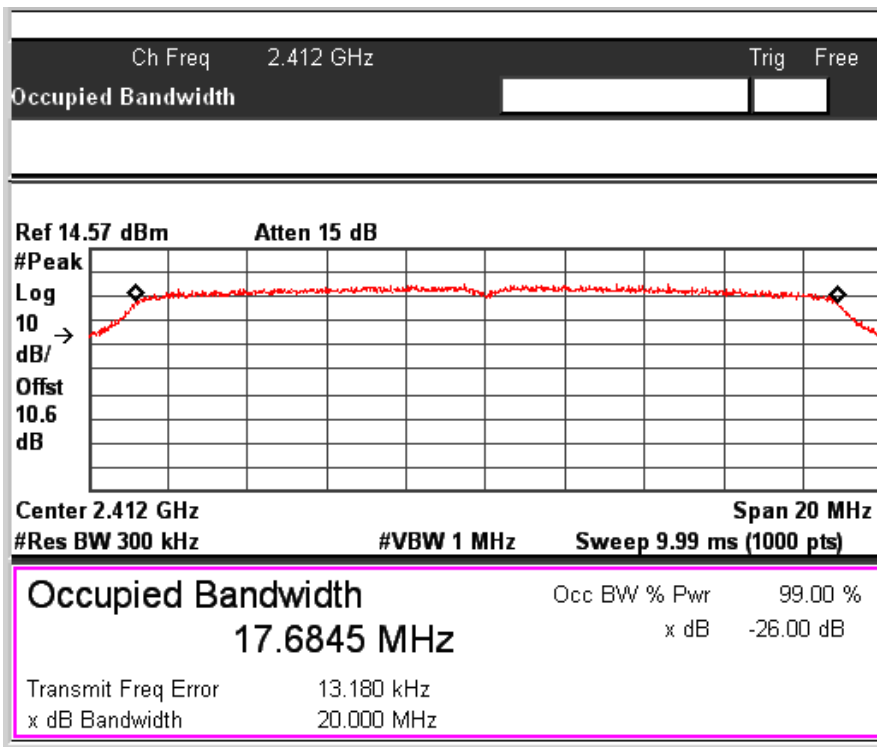
Data Rate: 6.5 Mbps

99% OBW: Channel 2442MHz



Data Rate: 6.5 Mbps

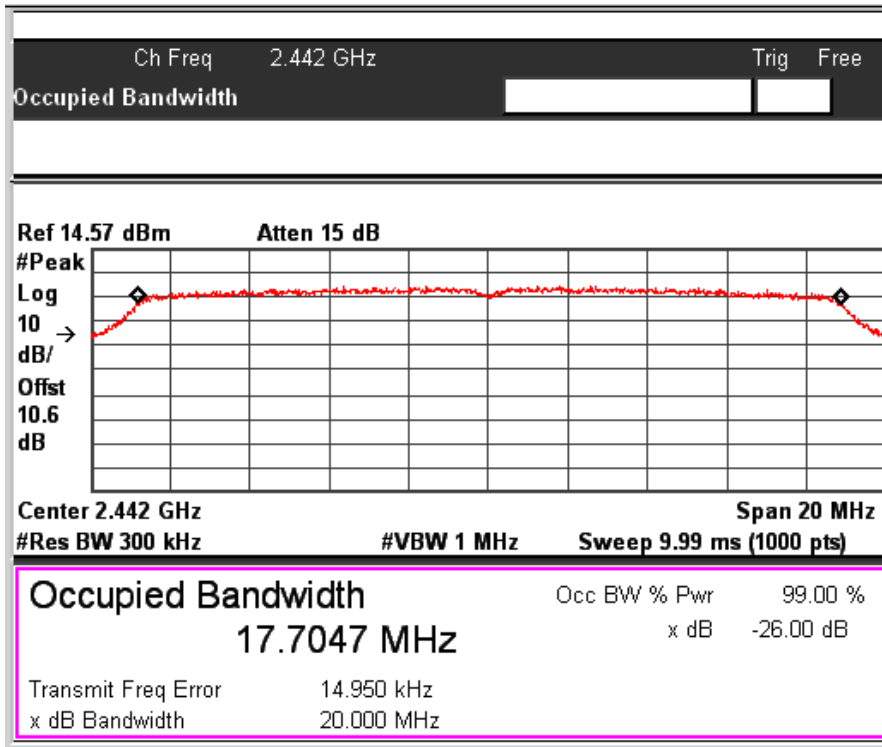
99% OBW: Channel 2462MHz



Data Rate: 39 Mbps

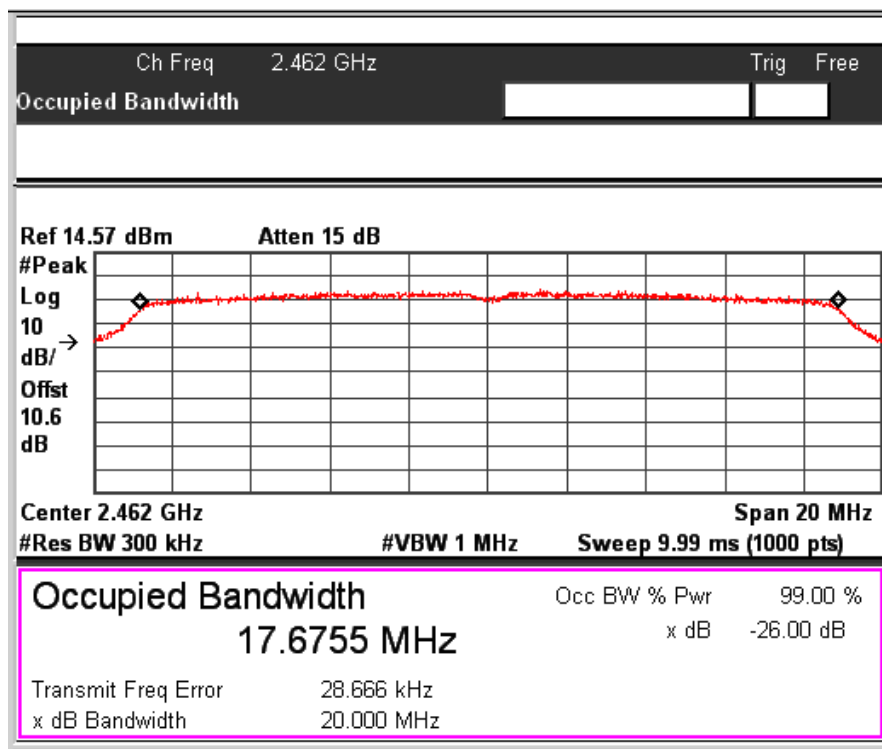
99% OBW: Channel 2412MHz

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Data Rate: 39 Mbps

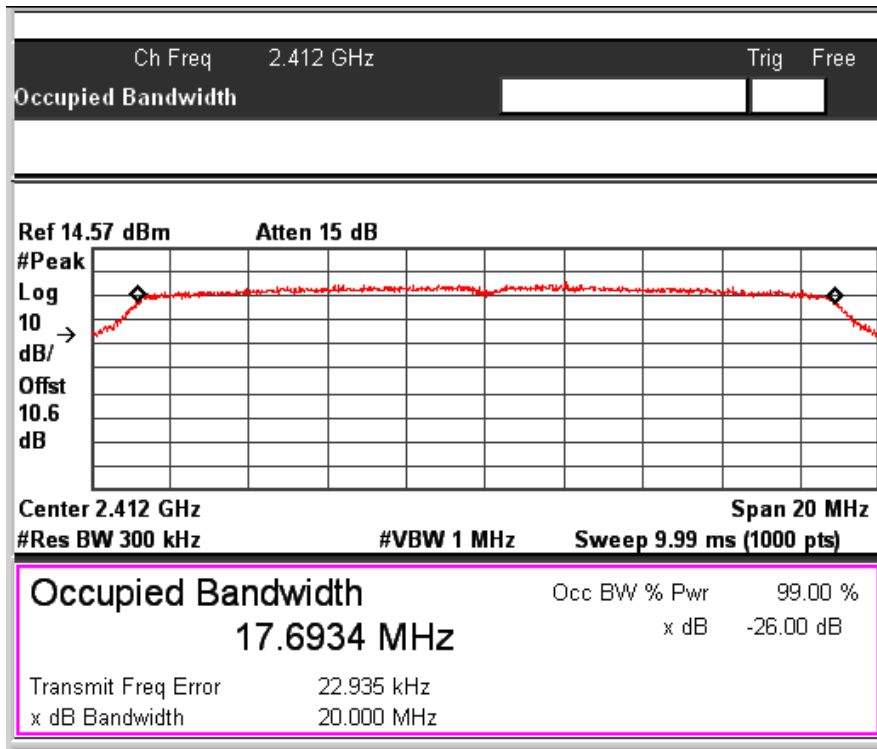
99% OBW: Channel 2442MHz



Data Rate: 39 Mbps

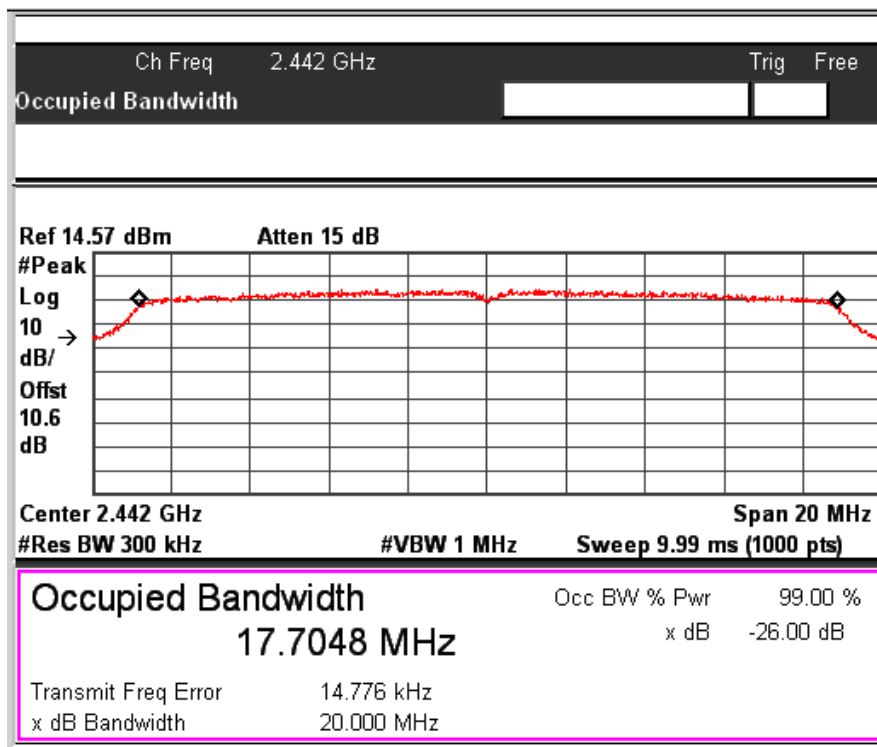
99% OBW: Channel 2462MHz

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Data Rate: 65 Mbps

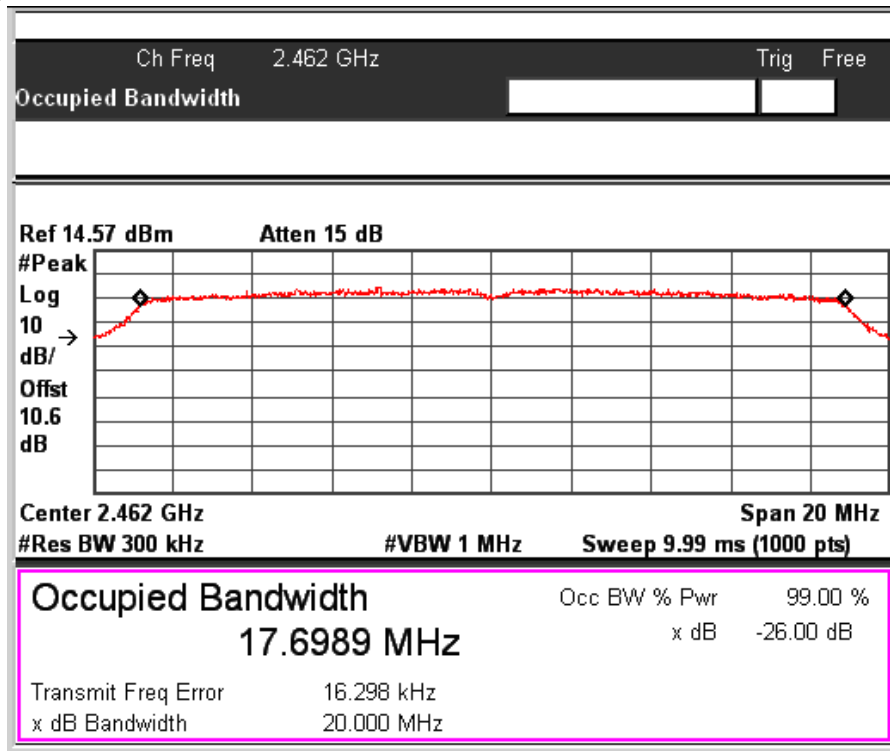
99% OBW: Channel 2412MHz



Data Rate: 65 Mbps

99% OBW: Channel 2442MHz

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**Data Rate: 65 Mbps**

**99% OBW: Channel 2462MHz**

Test Specification  
Detector Function  
Requirement

FCC Part 15 Section 15.247(d)

Peak

In any 100kHz 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 20dB below that in the 100kHz 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.

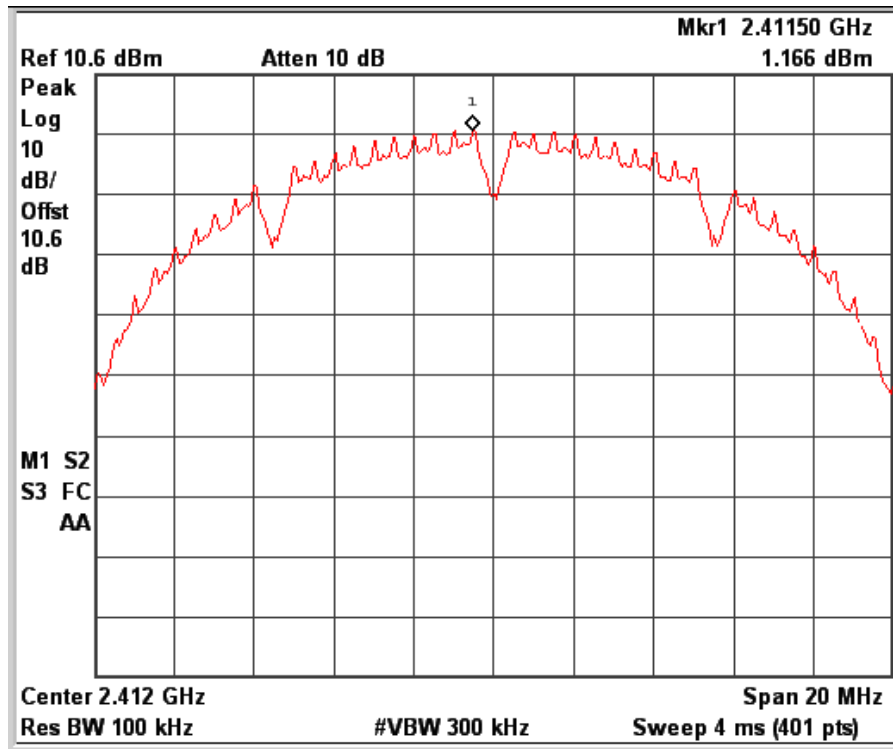
**Test Method:**



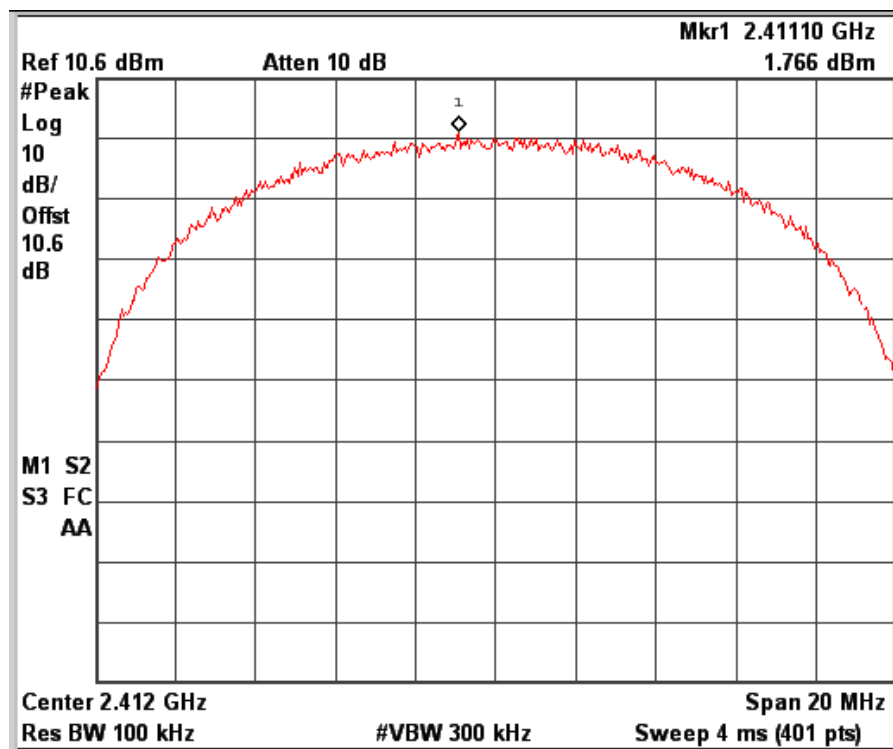
**Test Result:**

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Value at Band Edge |               | Reference Value B (dBm) | Band Edge Value A-B (dBc) | Limit (dBc) |
|-----------------|------------------|-------------------------|--------------------|---------------|-------------------------|---------------------------|-------------|
|                 |                  |                         | Frequency (MHz)    | Value A (dBm) |                         |                           |             |
| b               | 1                | 2412                    | 2400               | -51.01        | 01.16                   | -52.17                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -57.93        | 01.16                   | -59.09                    | -30.00      |
|                 | 11               | 2412                    | 2400               | -46.88        | 01.76                   | -48.64                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -57.58        | 01.76                   | -59.34                    | -30.00      |

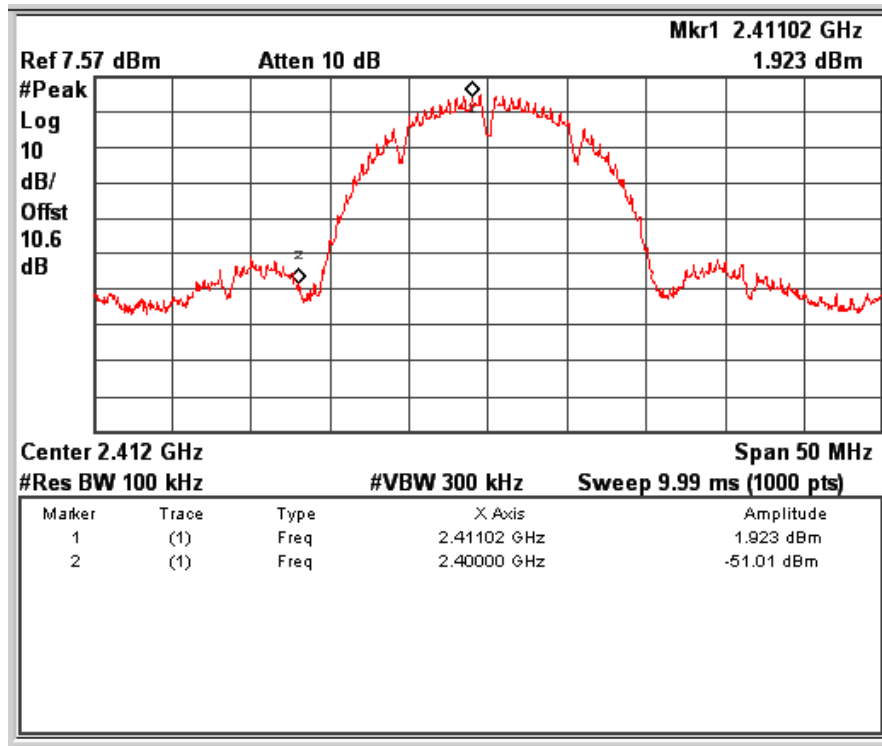
**Note:** The channel no. 1 (2412 MHz) found to contain the maximum PSD level and is used to establish the reference level.



Reference Level Plot: 1Mbps

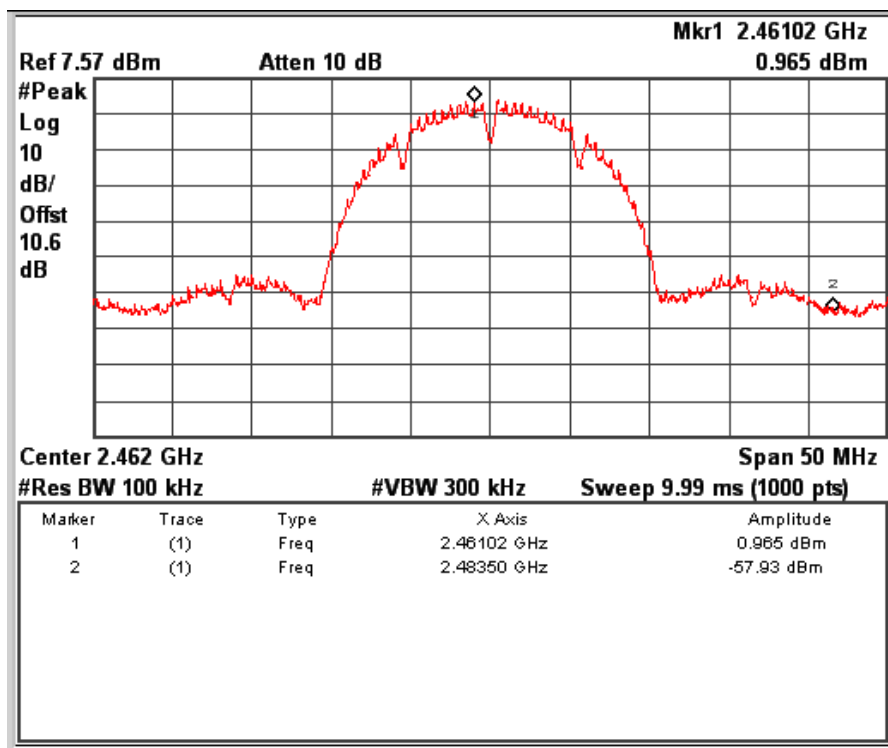


Reference Level Plot: 11Mbps



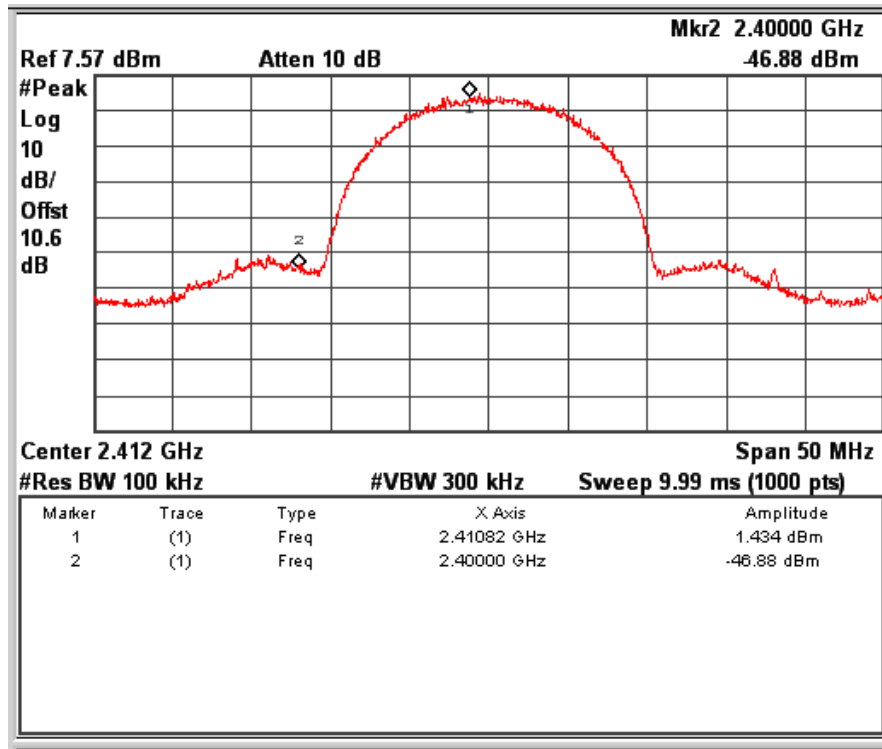
Data Rate: 1 Mbps

Channel frequency: 2412 MHz



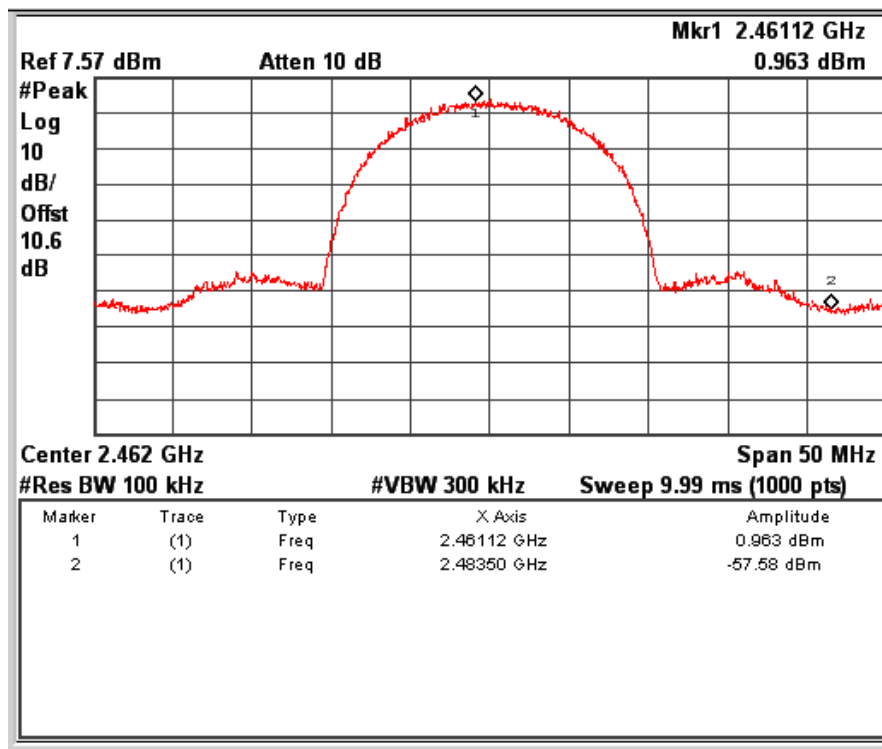
Data Rate: 1 Mbps

Channel frequency: 2462 MHz



Data Rate: 11 Mbps

Channel frequency: 2412 MHz

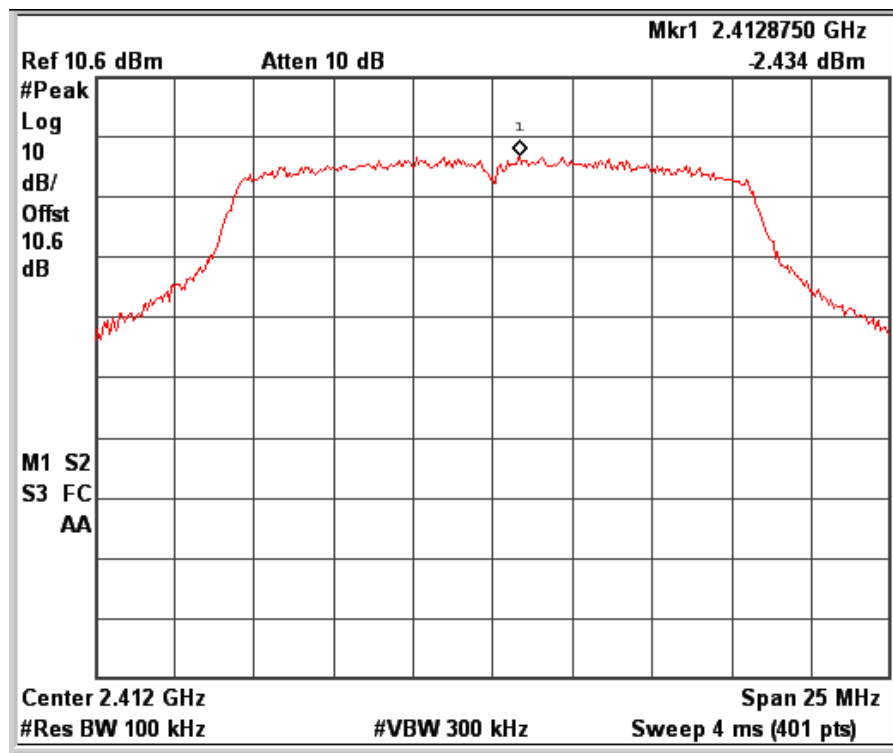


Data Rate: 11 Mbps

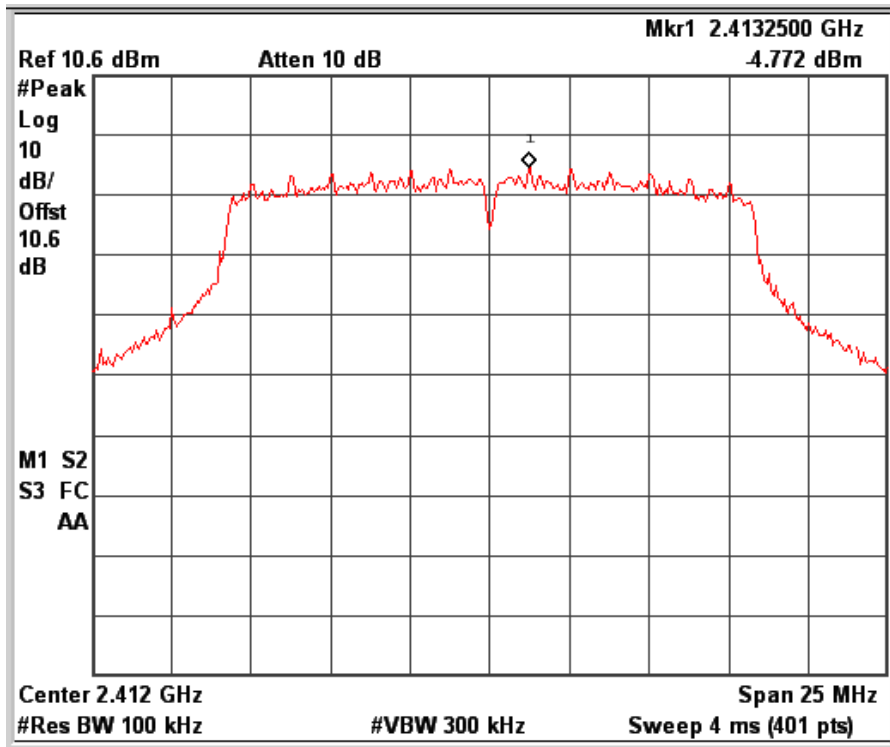
Channel frequency: 2462 MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Value at Band Edge |               | Reference Value B (dBm) | Band Edge Value A-B (dBc) | Limit (dBc) |
|-----------------|------------------|-------------------------|--------------------|---------------|-------------------------|---------------------------|-------------|
|                 |                  |                         | Frequency (MHz)    | Value A (dBm) |                         |                           |             |
| g               | 6                | 2412                    | 2400               | -35.41        | -02.43                  | -32.98                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -56.56        | -02.43                  | -54.13                    | -30.00      |
|                 | 24               | 2412                    | 2400               | -36.87        | -04.77                  | -32.10                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -56.02        | -04.77                  | -51.25                    | -30.00      |
|                 | 54               | 2412                    | 2400               | -37.15        | -04.79                  | -32.36                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -54.75        | -04.79                  | -49.96                    | -30.00      |

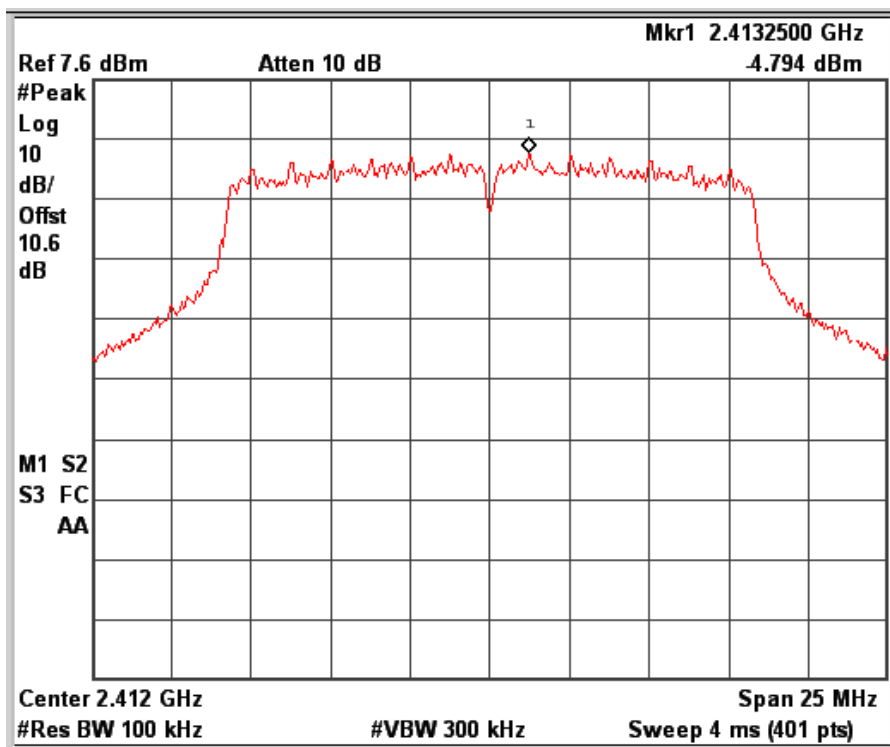
**Note:** The channel no. 1 (2412 MHz) found to contain the maximum PSD level and is used to establish the reference level.



Reference Level Plot: 6 Mbps

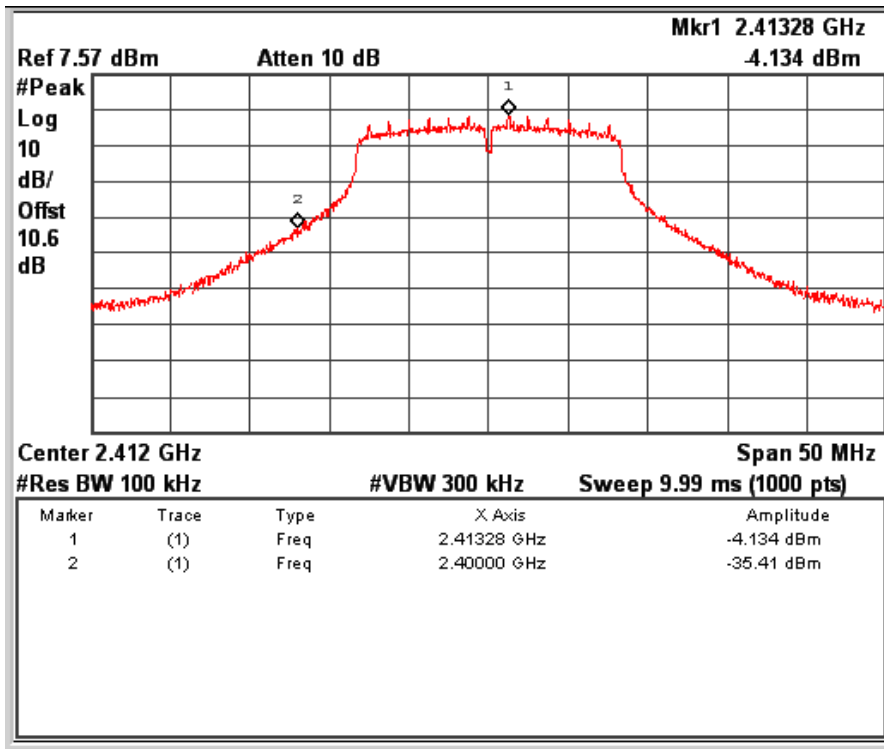


Reference Level Plot: 24 Mbps



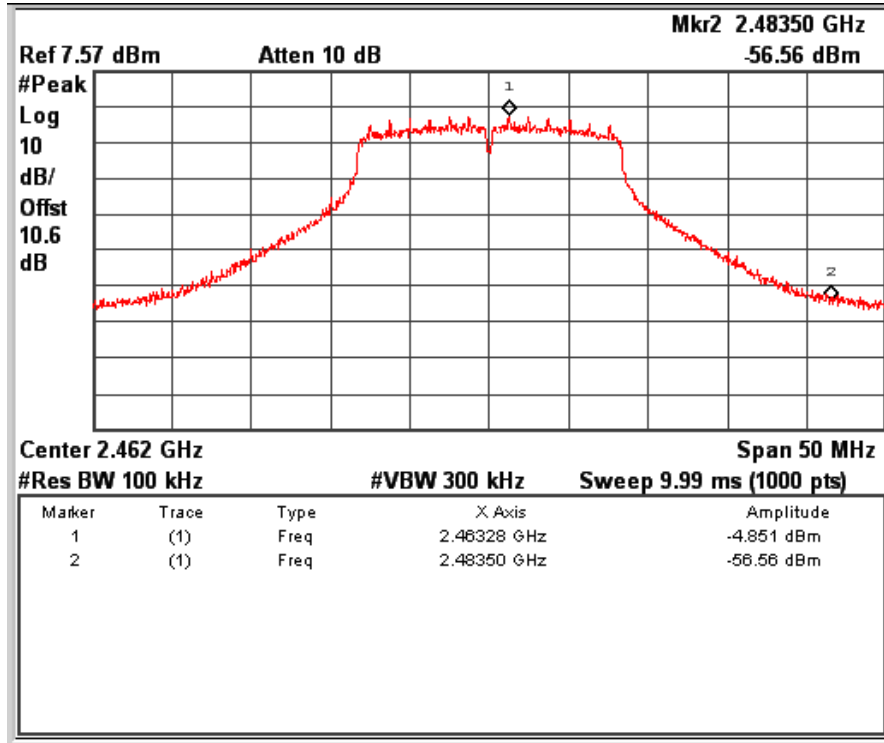
Reference Level Plot: 54 Mbps

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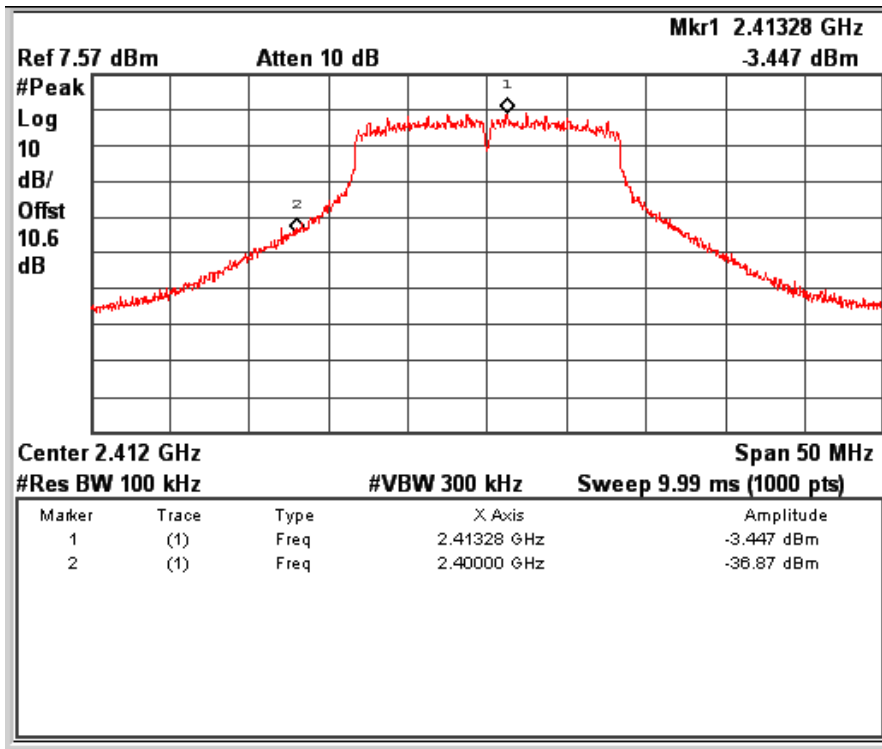
Data Rate: 6 Mbps

Channel frequency: 2412 MHz



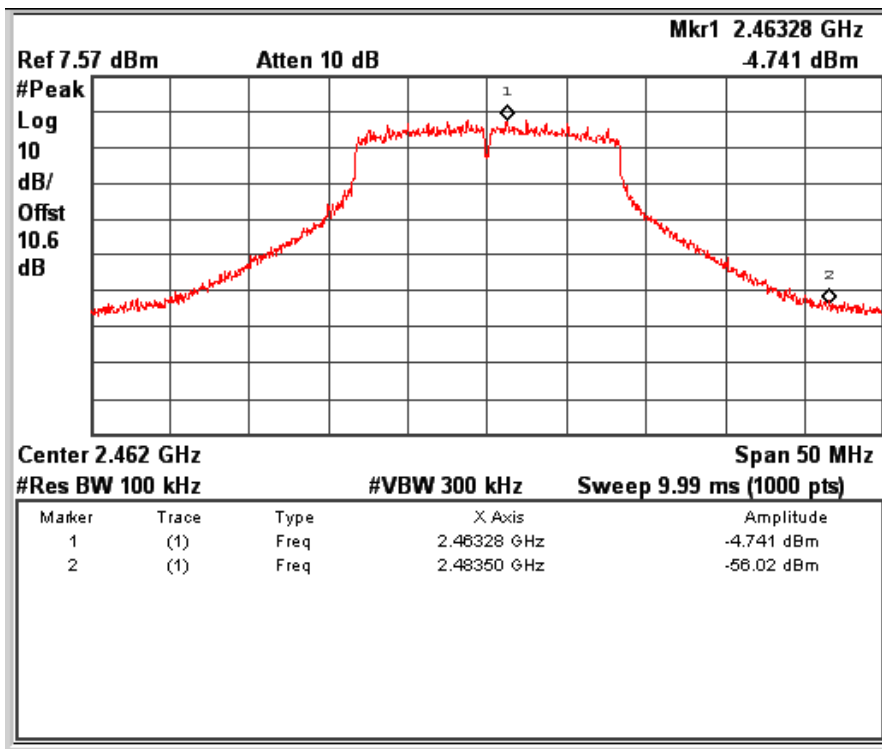
Data Rate: 6 Mbps

Channel frequency: 2462 MHz



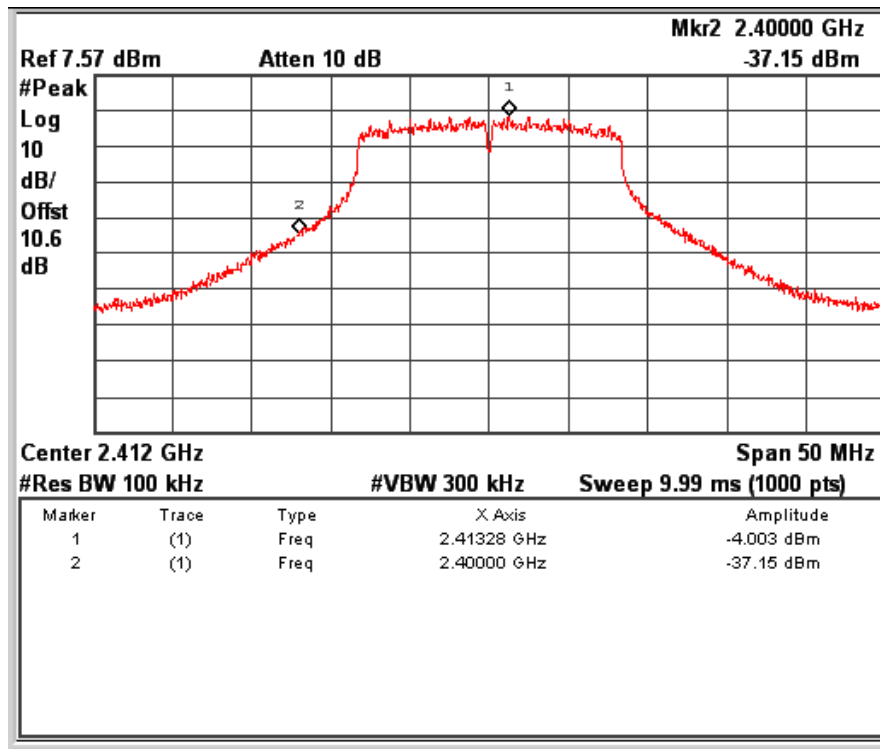
Data Rate: 24 Mbps

Channel frequency: 2412 MHz



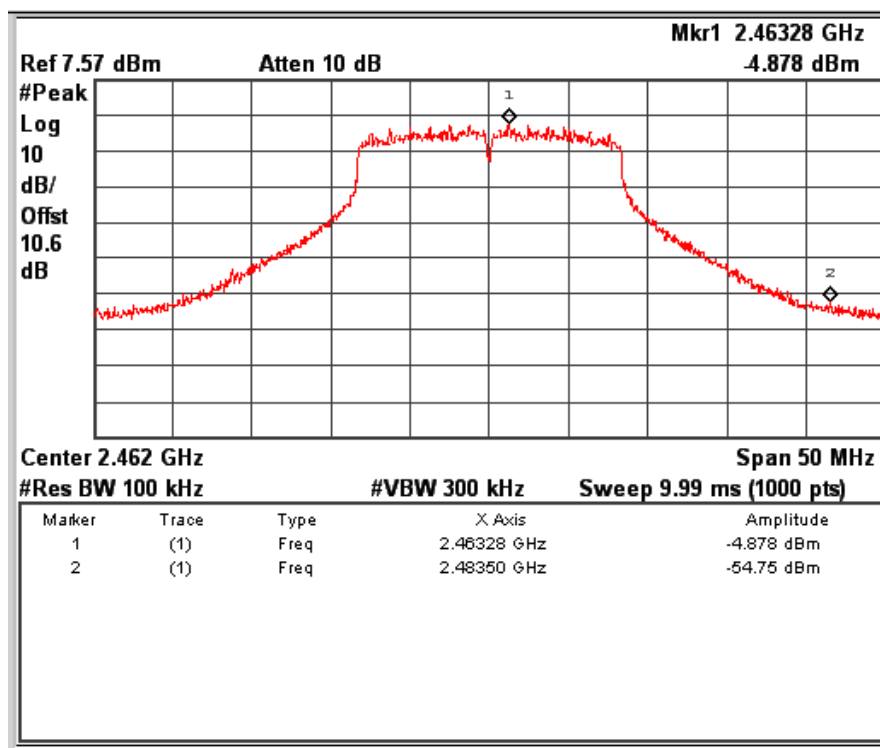
Data Rate: 24 Mbps

Channel frequency: 2462 MHz



Data Rate: 54 Mbps

Channel frequency: 2412 MHz

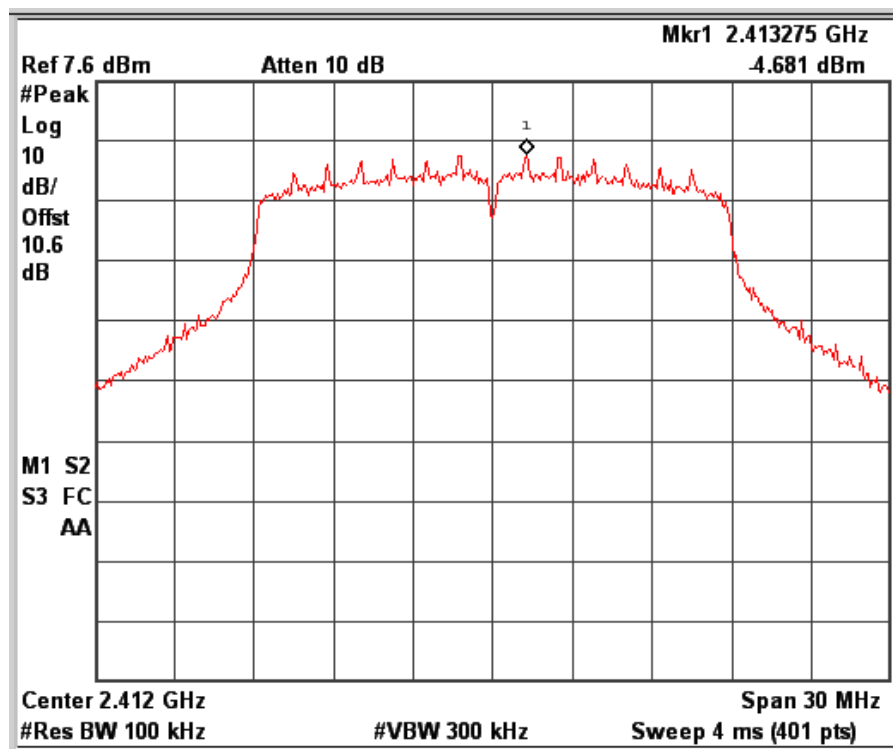


Data Rate: 54 Mbps

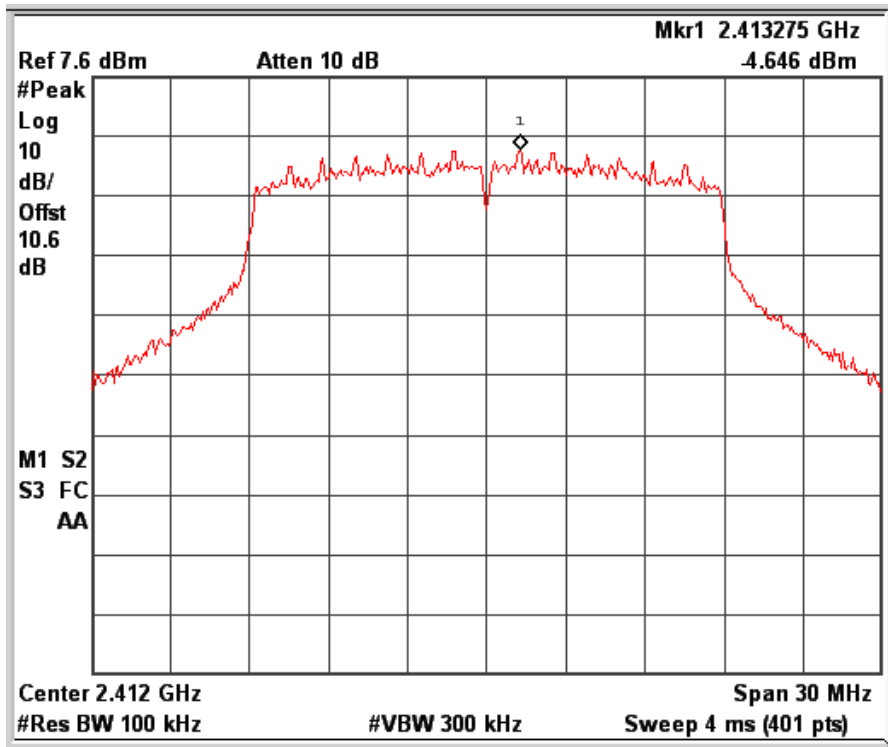
Channel frequency: 2462 MHz

| 802.11 Protocol | Data Rate (Mbps) | Channel Frequency (MHz) | Value at Band Edge |               | Reference Value B (dBm) | Band Edge Value A-B (dBc) | Limit (dBc) |
|-----------------|------------------|-------------------------|--------------------|---------------|-------------------------|---------------------------|-------------|
|                 |                  |                         | Frequency (MHz)    | Value A (dBm) |                         |                           |             |
| n               | MCS0 (6.5)       | 2412                    | 2400               | -35.34        | -04.68                  | -30.66                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -55.54        | -04.68                  | -50.86                    | -30.00      |
|                 | MCS4 (39)        | 2412                    | 2400               | -35.88        | -04.64                  | -31.24                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -55.26        | -04.64                  | -50.62                    | -30.00      |
|                 | MCS7 (65)        | 2412                    | 2400               | -36.19        | -04.50                  | -31.69                    | -30.00      |
|                 |                  | 2462                    | 2483.5             | -55.47        | -04.50                  | -50.97                    | -30.00      |

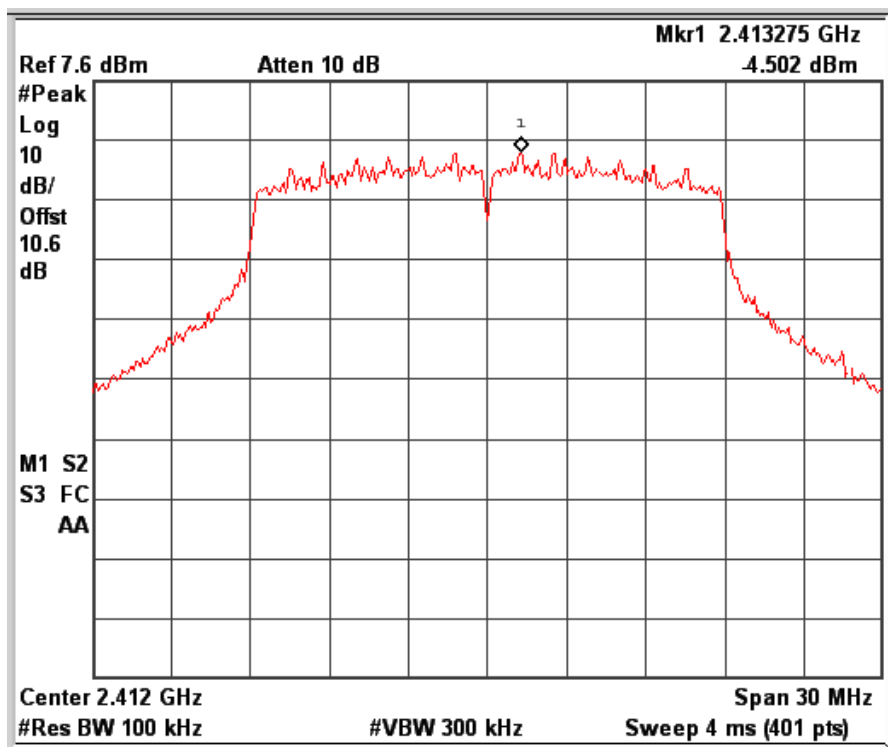
**Note:** The channel no. 1 (2412 MHz) found to contain the maximum PSD level and is used to establish the reference level.



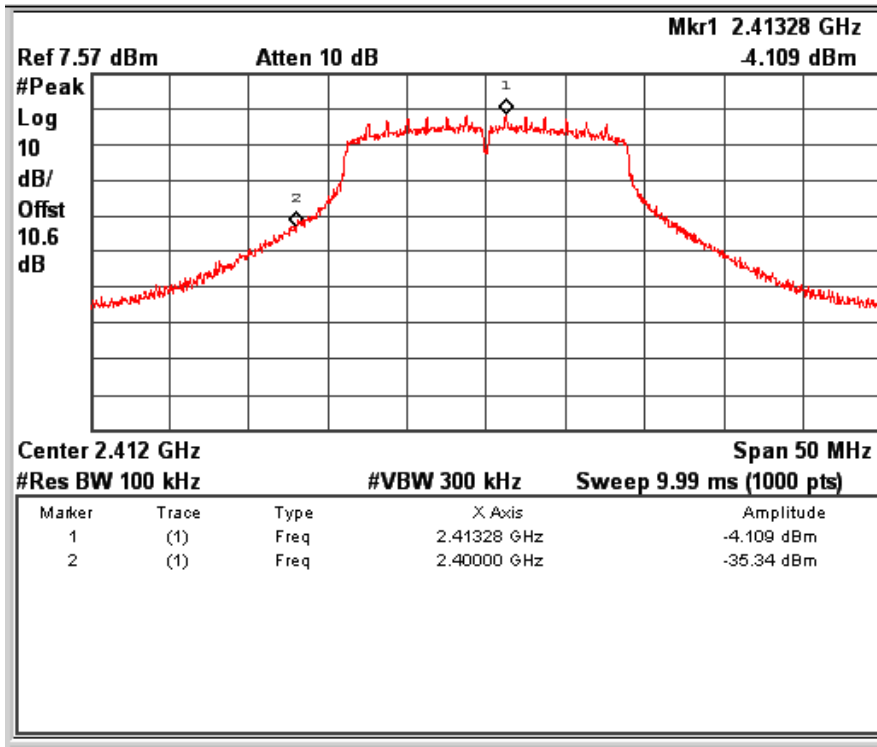
Reference Level Plot: 6.5 Mbps



Reference Level Plot: 39 Mbps

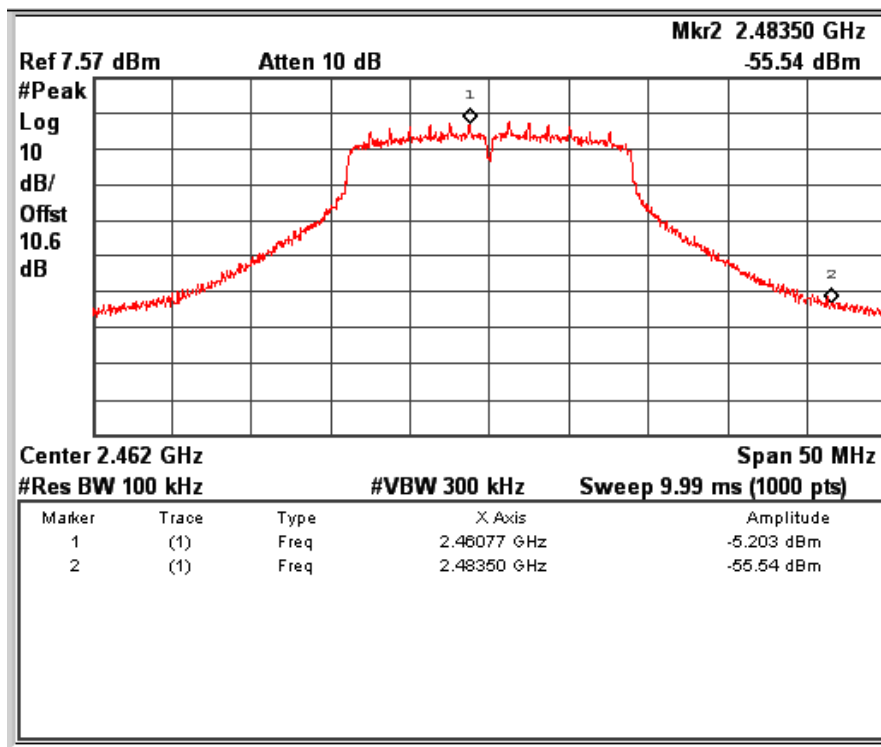


Reference Level Plot: 65 Mbps



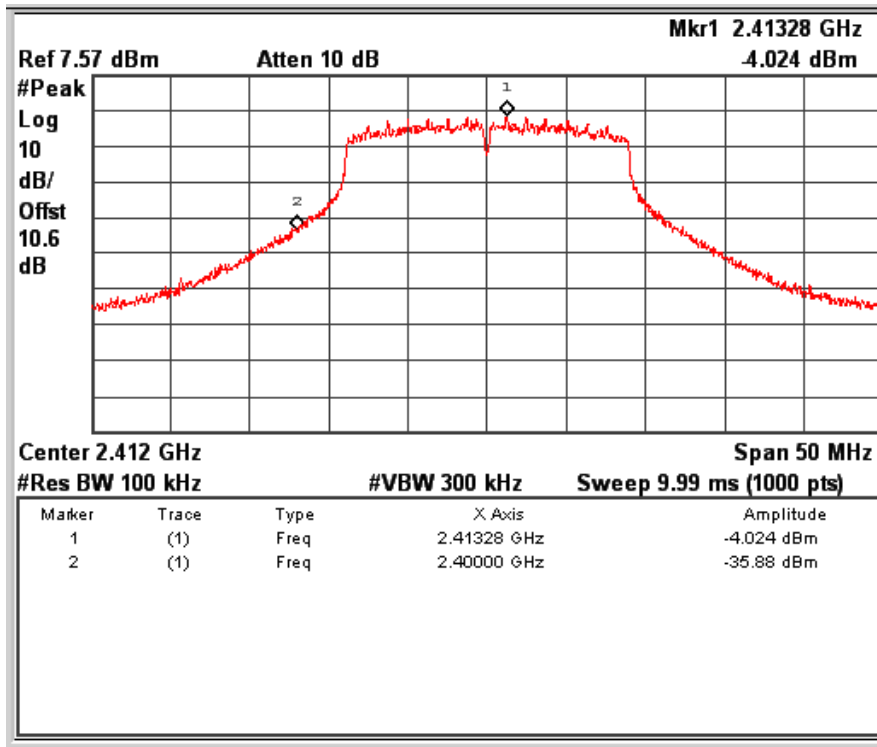
Data Rate: 6.5 Mbps

Channel frequency: 2412 MHz



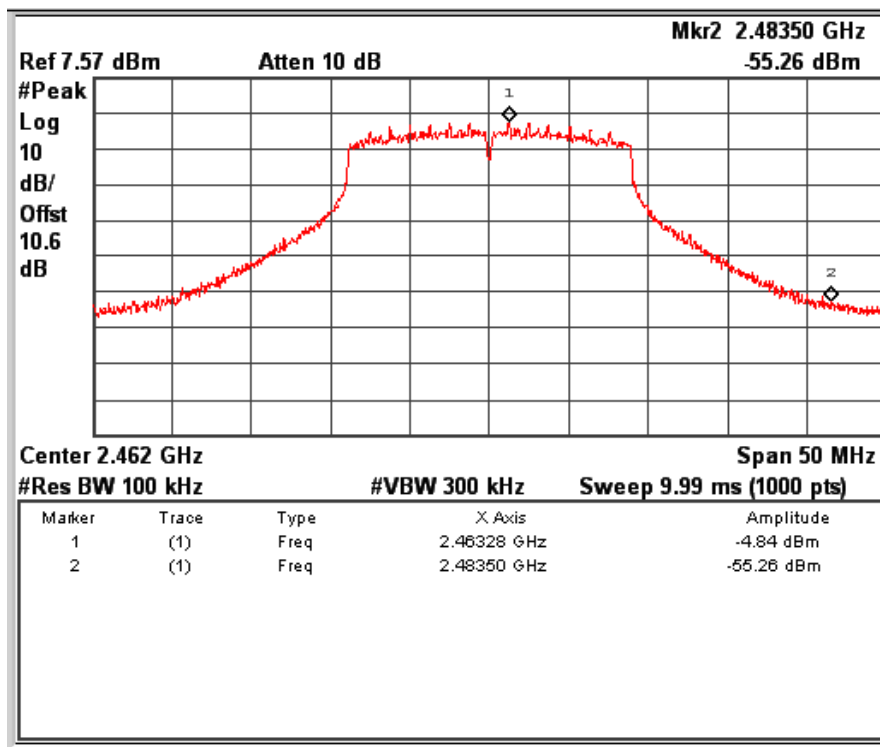
Data Rate: 6.5 Mbps

Channel frequency: 2462 MHz



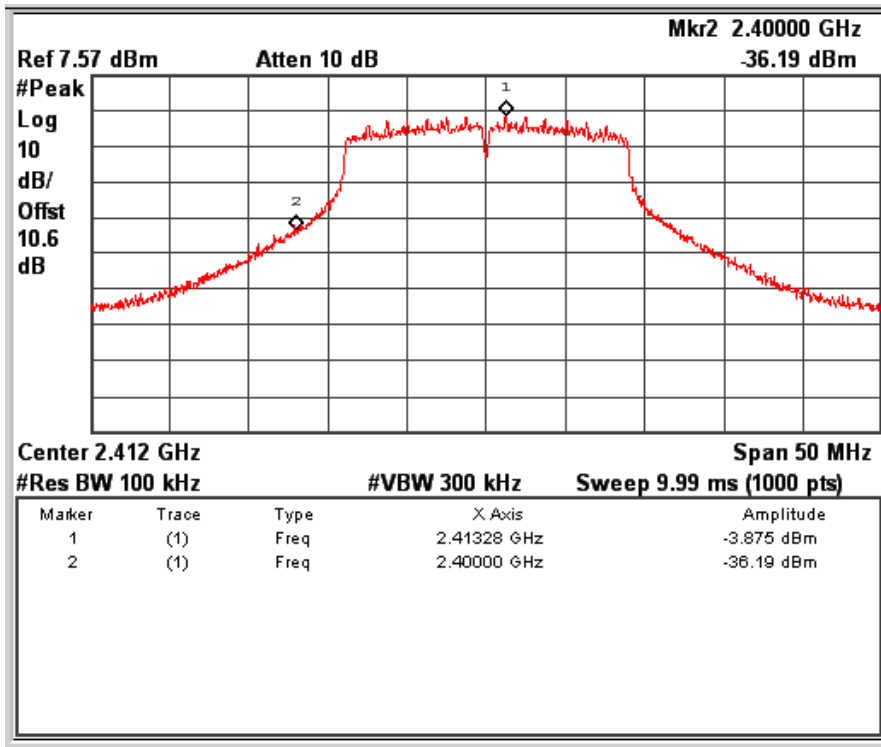
Data Rate: 39 Mbps

Channel frequency: 2412 MHz



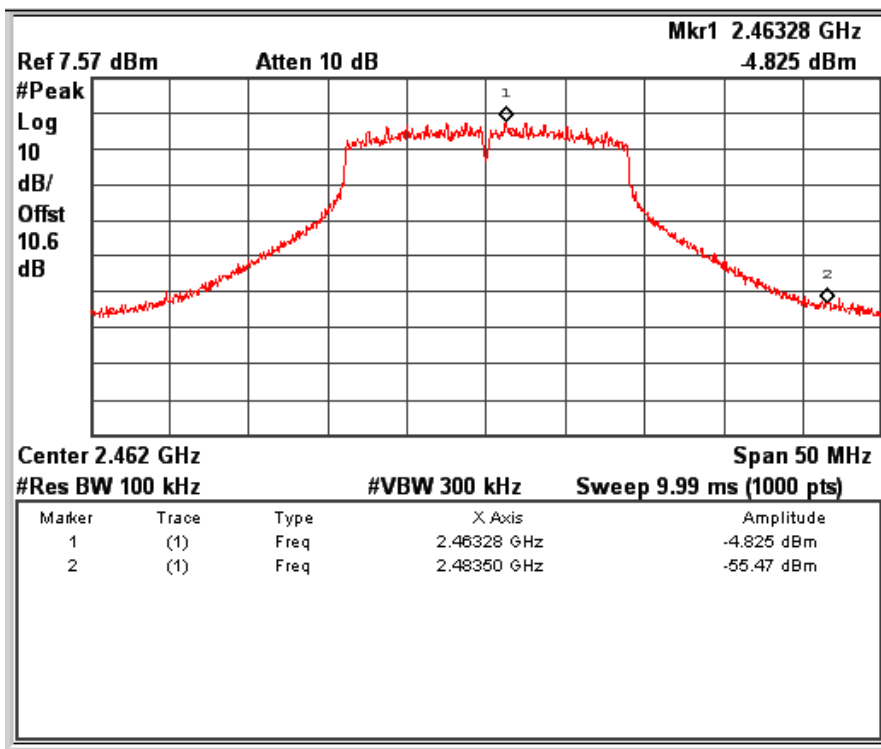
Data Rate: 39 Mbps

Channel frequency: 2462 MHz



Data Rate: 65 Mbps

Channel frequency: 2412 MHz

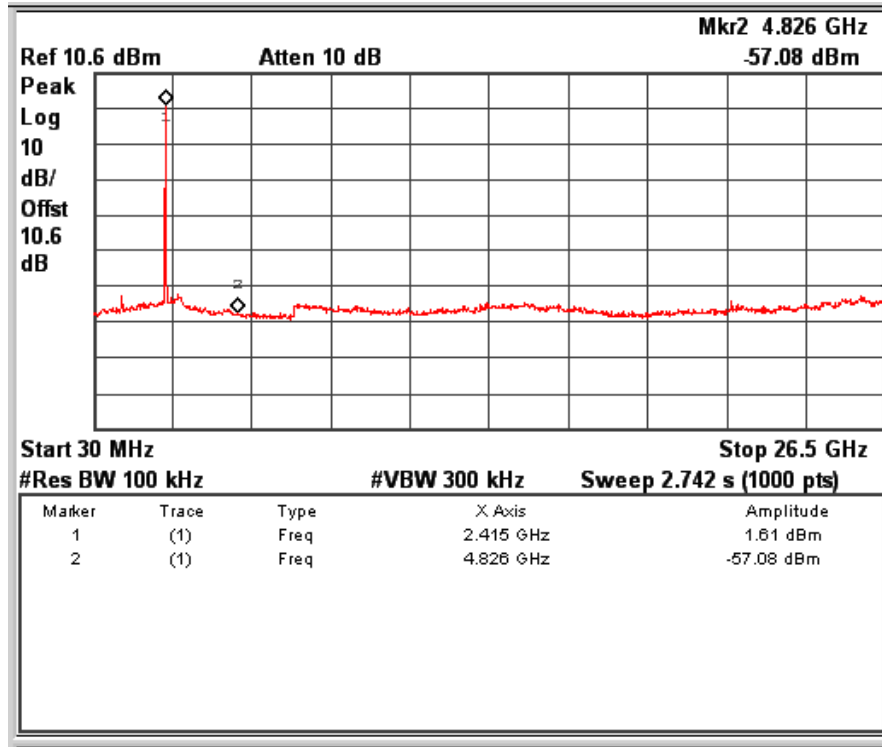


Data Rate: 65 Mbps

Channel frequency: 2462 MHz

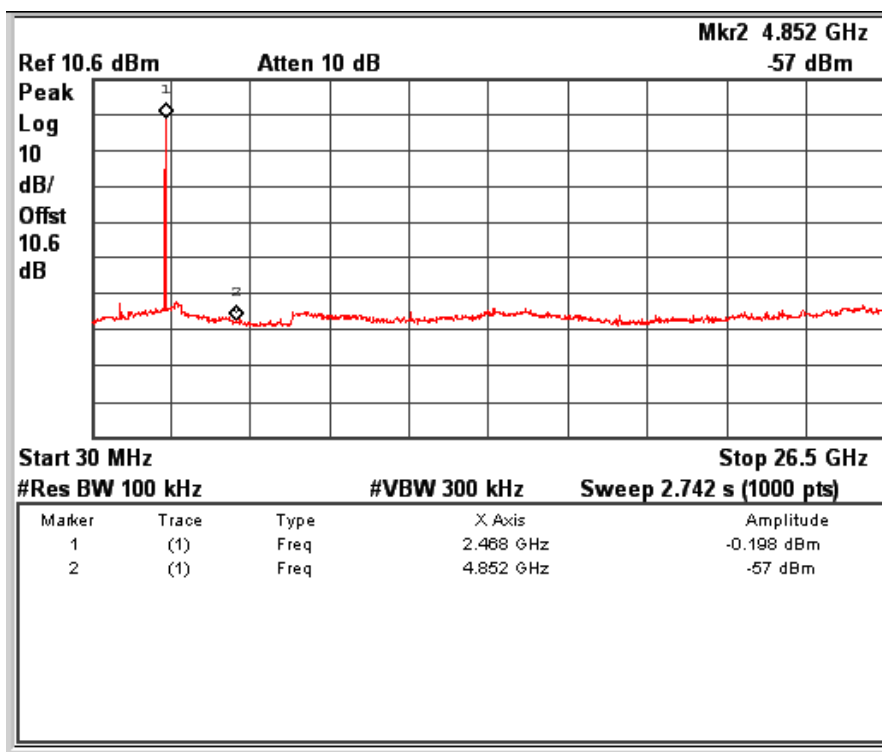
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## Conducted Spurious Emission



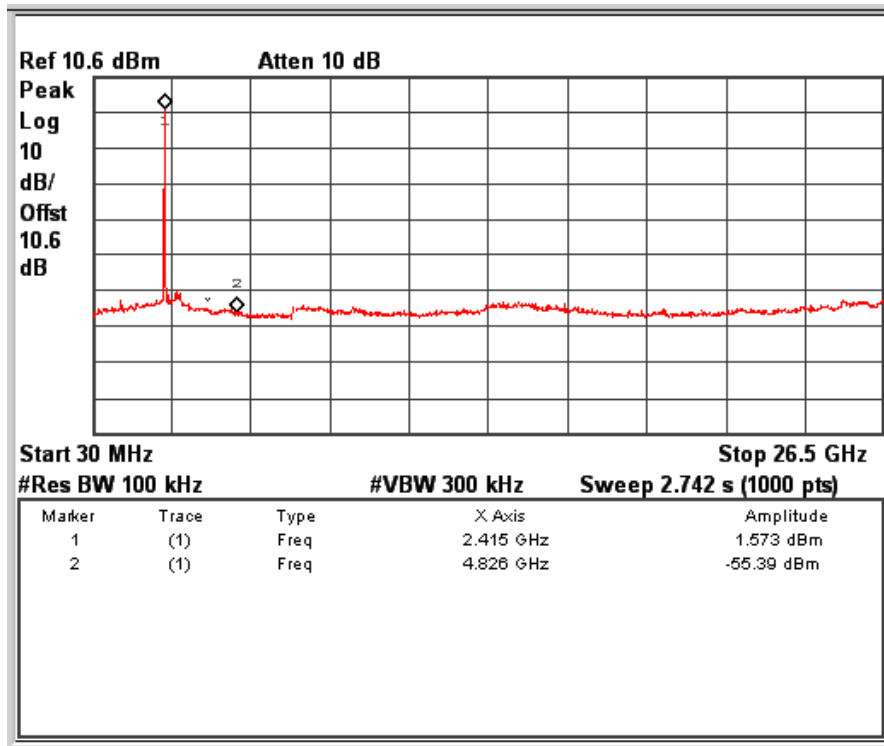
Data Rate: 1Mbps

Channel frequency: 2412 MHz



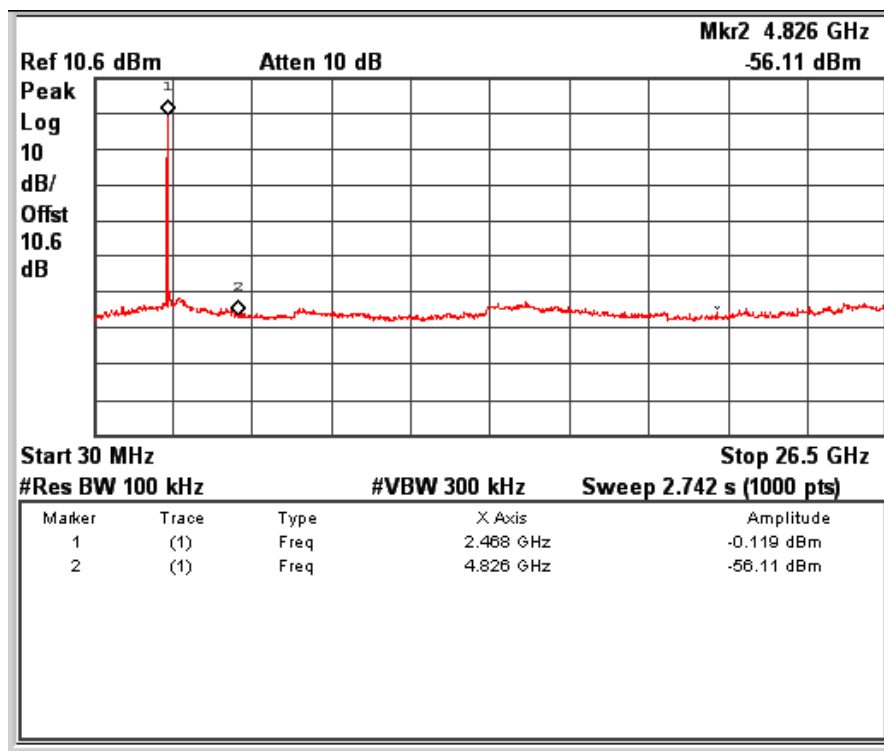
Data Rate: 1Mbps

Channel frequency: 2462 MHz



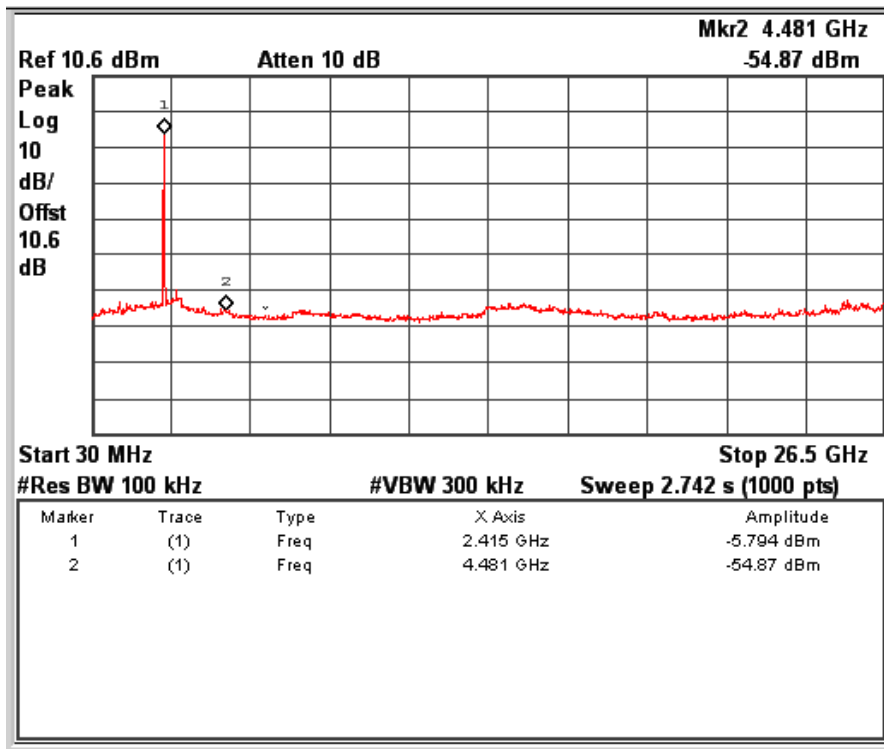
Data Rate: 11Mbps

Channel frequency: 2412 MHz



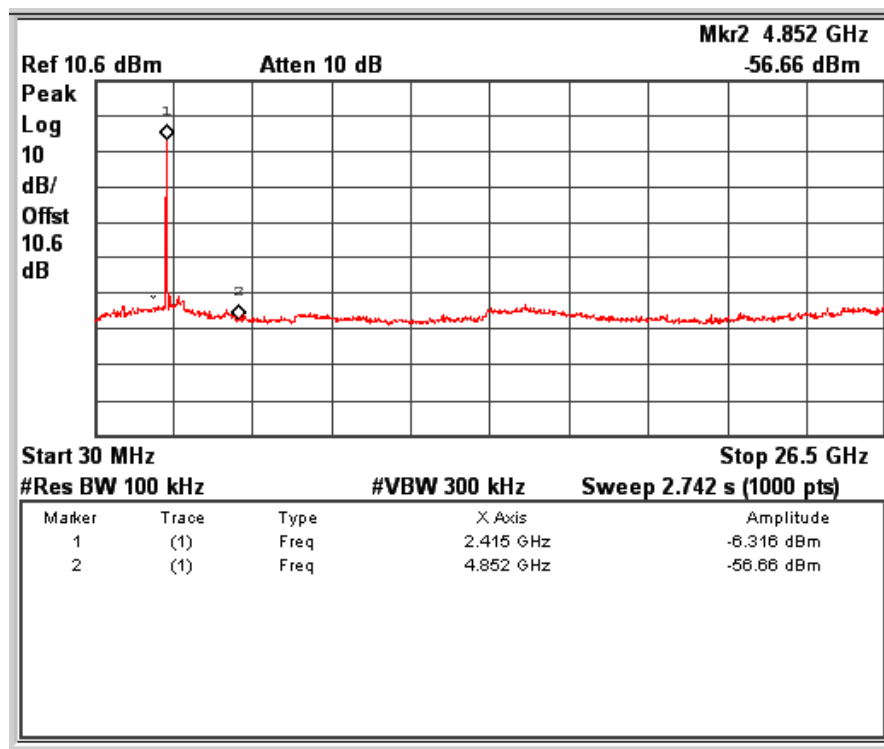
Data Rate: 11Mbps

Channel frequency: 2462 MHz



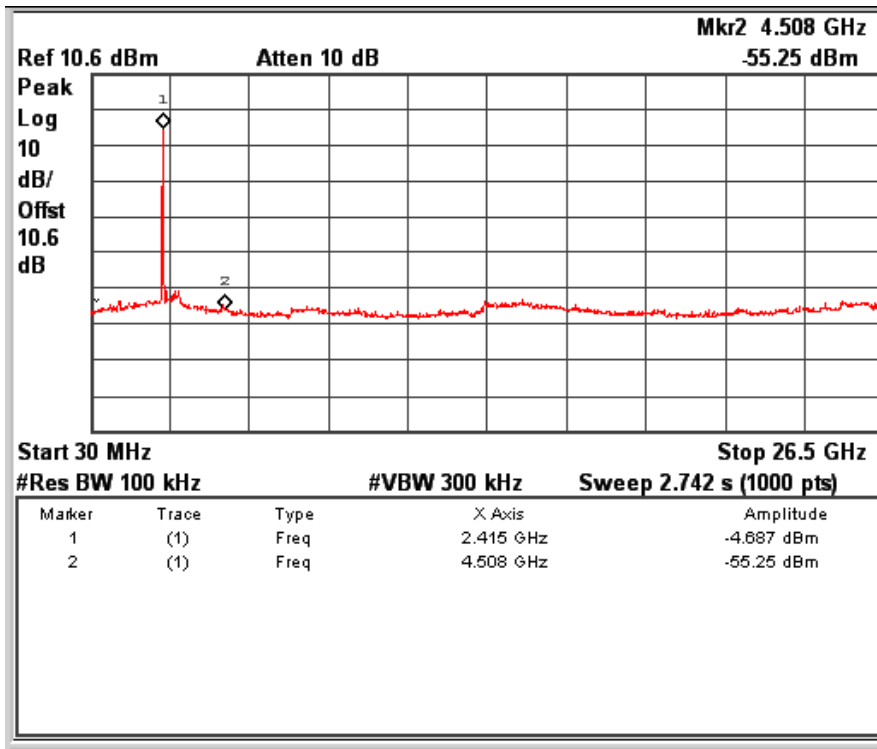
Data Rate: 6Mbps

Channel frequency: 2412 MHz



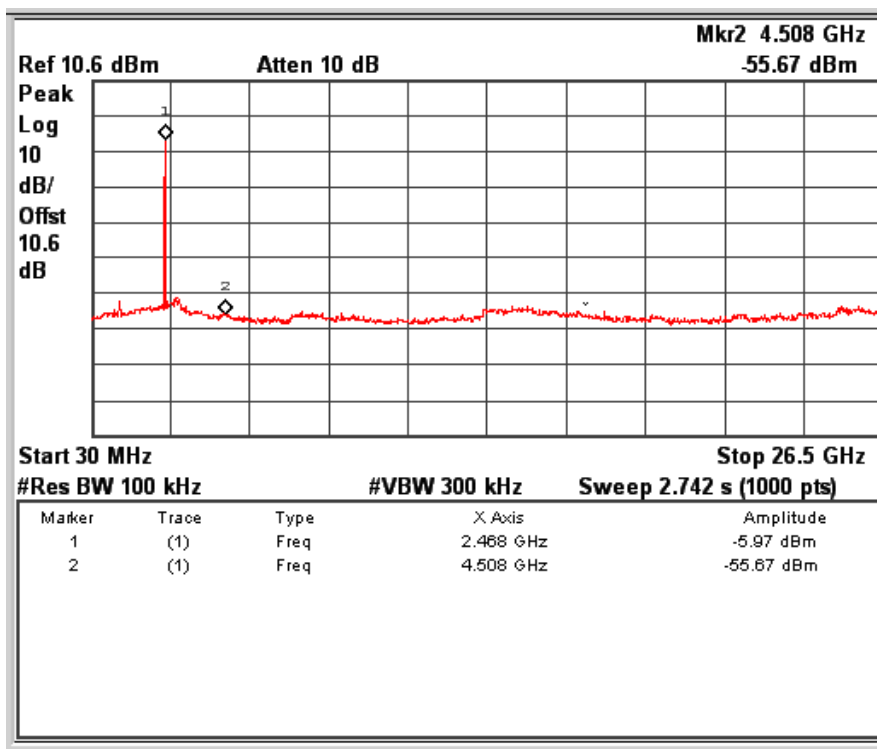
Data Rate: 6Mbps

Channel frequency: 2462 MHz



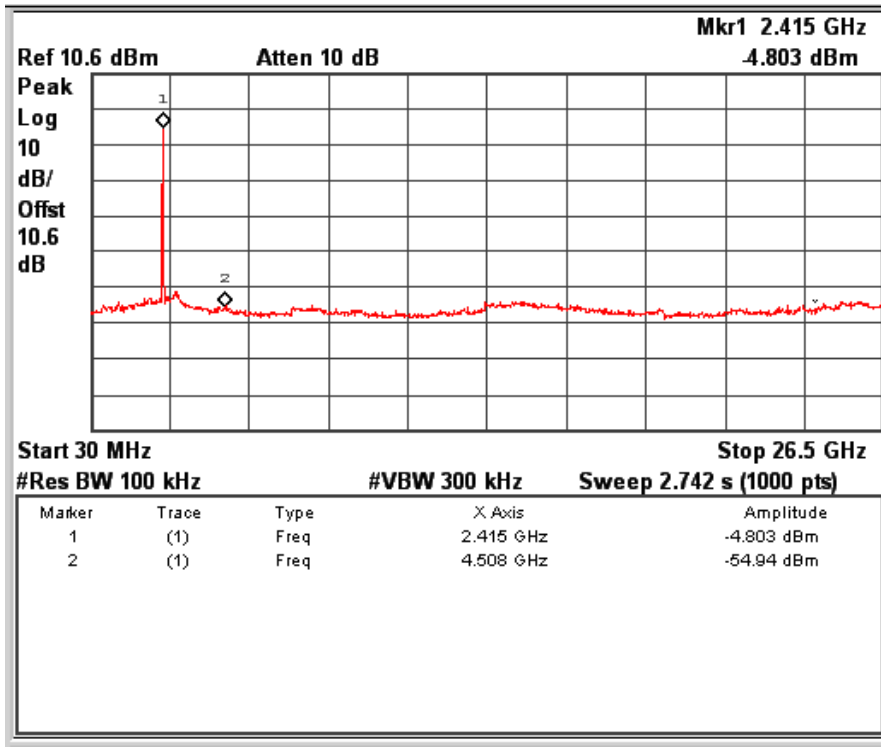
Data Rate: 24Mbps

Channel frequency: 2412 MHz



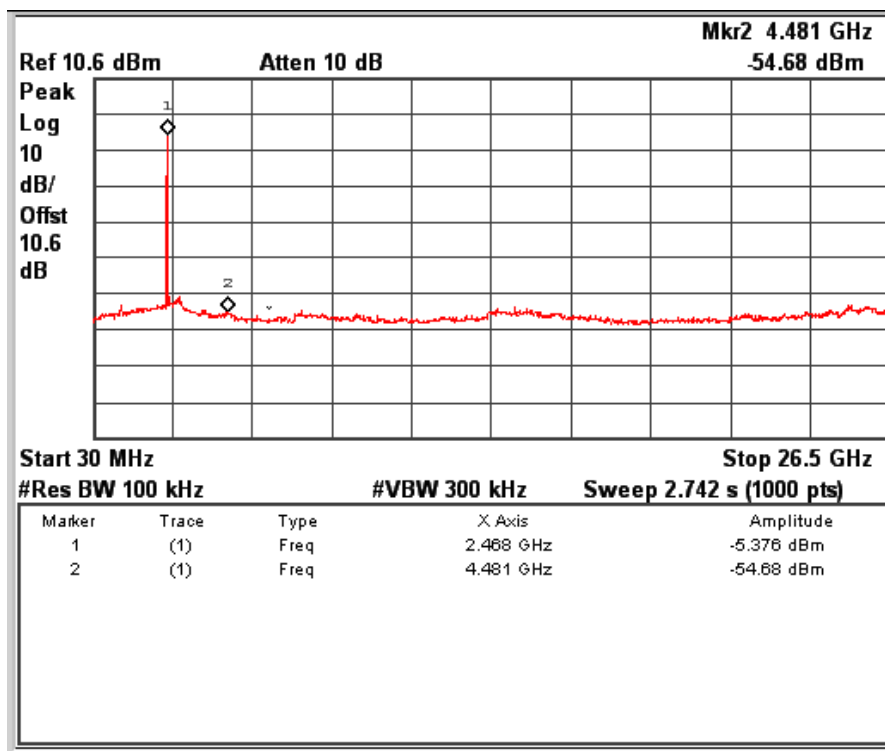
Data Rate: 24Mbps

Channel frequency: 2462 MHz



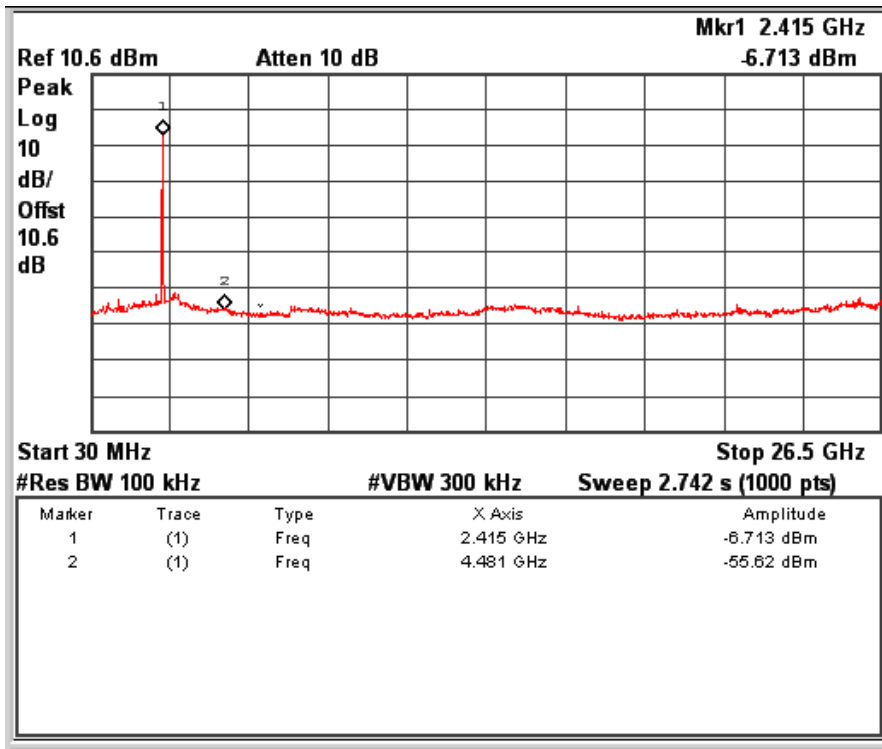
Data Rate: 54Mbps

Channel frequency: 2412 MHz



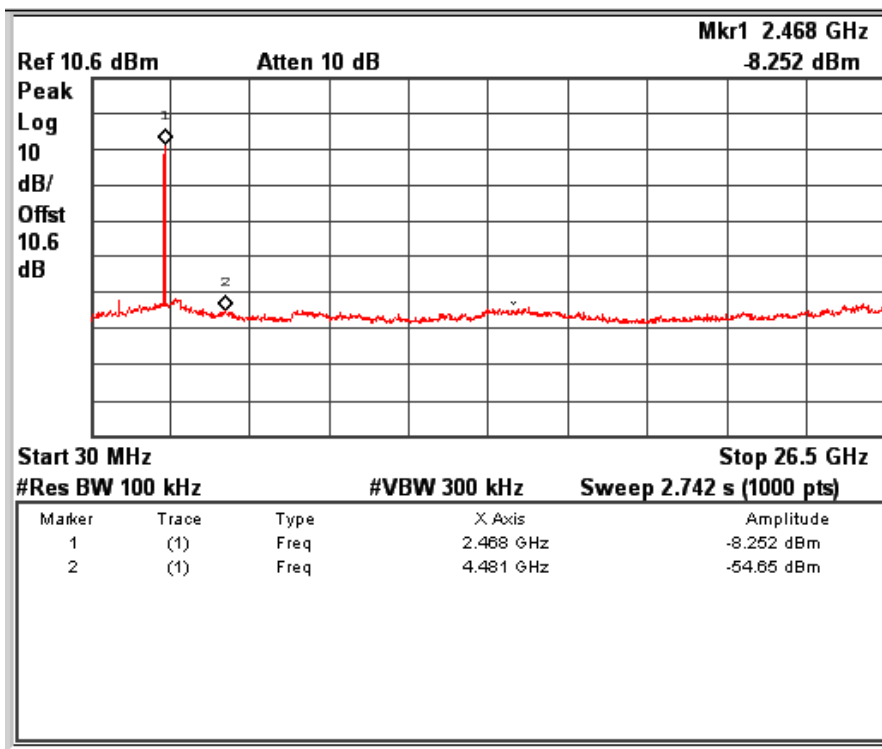
Data Rate: 54Mbps

Channel frequency: 2462 MHz



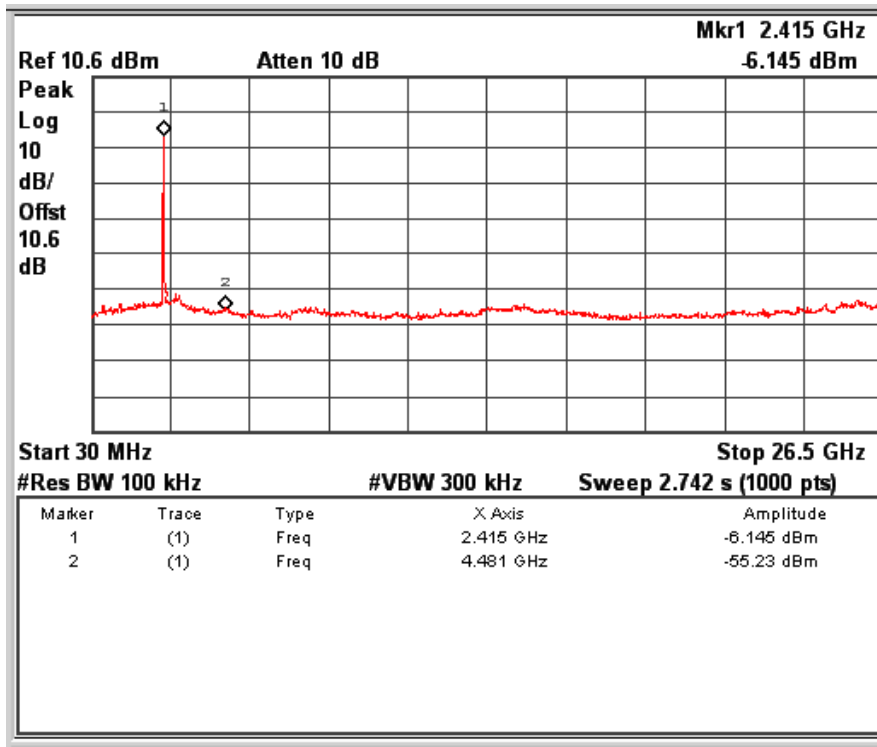
Data Rate: 6.5 Mbps

Channel frequency: 2412 MHz



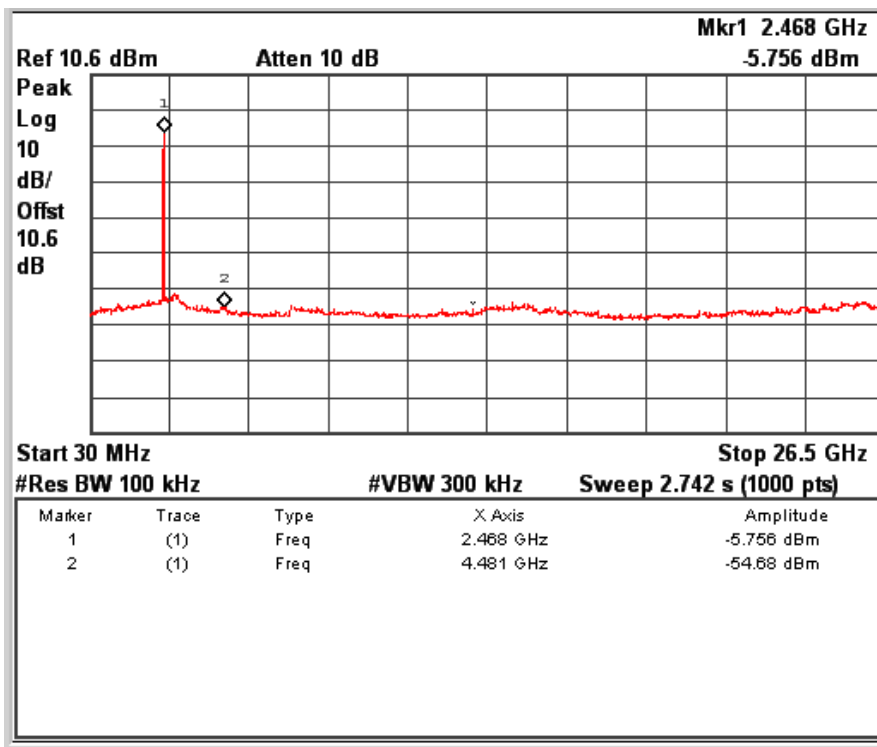
Data Rate: 6.5 Mbps

Channel frequency: 2462 MHz



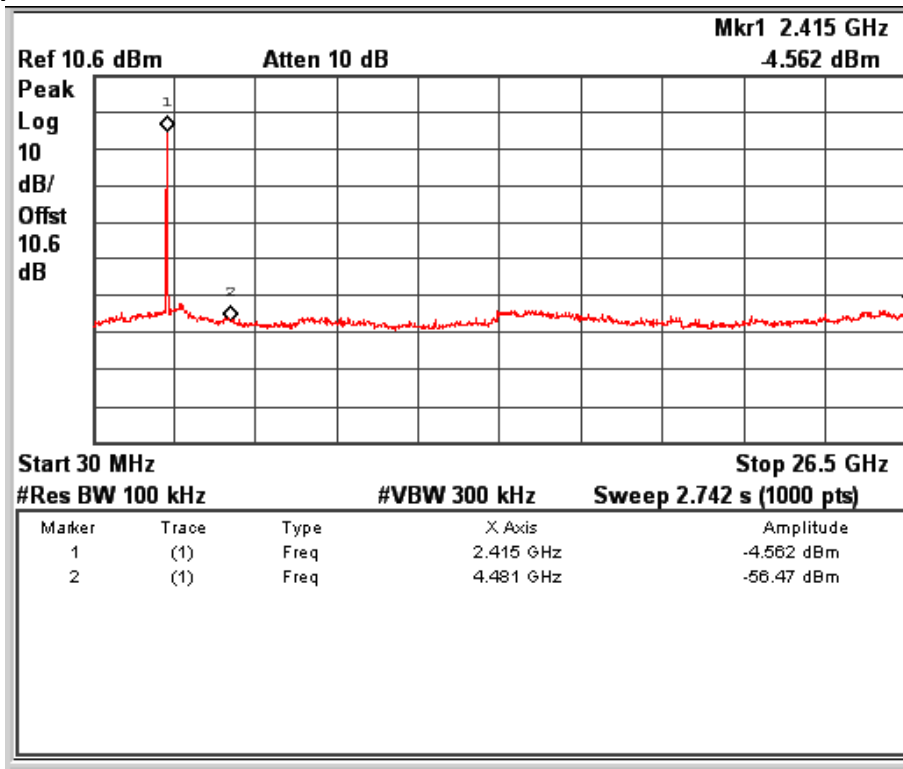
Data Rate: 39 Mbps

Channel frequency: 2412 MHz



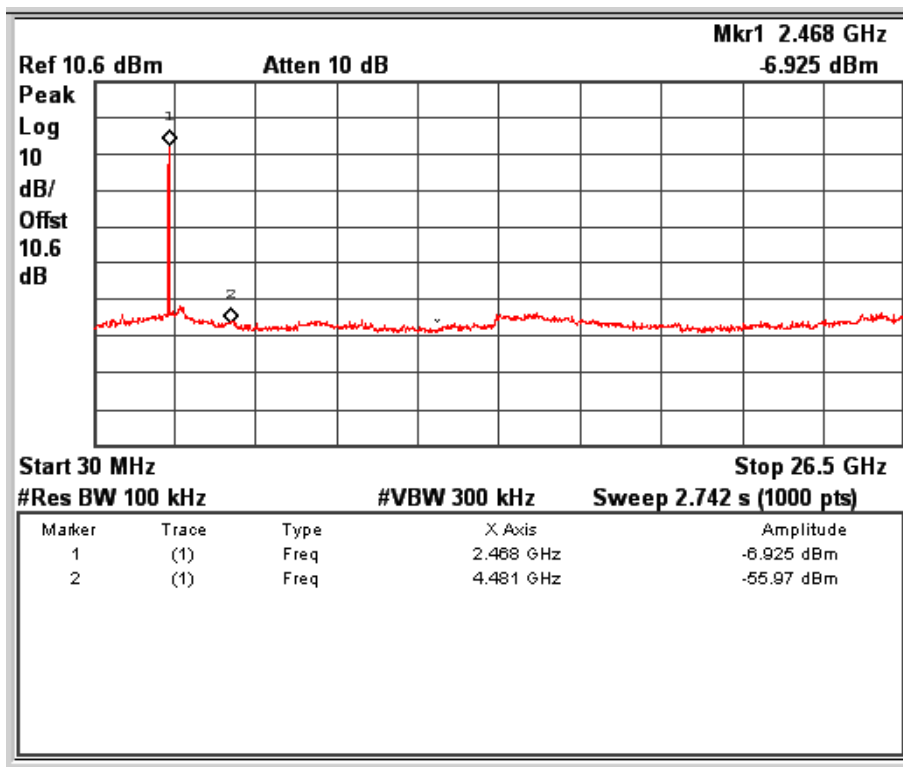
Data Rate: 39 Mbps

Channel frequency: 2462 MHz



Data Rate: 65 Mbps

Channel frequency: 2412 MHz



Data Rate: 65 Mbps

Channel frequency: 2462 MHz

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**Spurious Radiated Emissions and**

**Restricted Bands of Operation**

**Section 15.209 and 15.205**

**Result**

**Pass**

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| Test Specification   | FCC Part 15 Section 15.209 & 15.205                           |
| Test Method          | ANSI C63.10-2009                                              |
| Measurement Location | Semi Anechoic Chamber                                         |
| Measuring Distance   | 3m                                                            |
| Detection            | QP for frequency below 1GHz, Average for frequency above 1GHz |
| Requirement          | As per the limits mentioned in the below table                |

**Limit for Radiated Emission of Section 15.209:**

| Frequency (MHz) | Field strength (μV/m) | Field strength (dBμV/m) | Distance of Measurement (m) |
|-----------------|-----------------------|-------------------------|-----------------------------|
| 0.009 – 0.490   | 2400/F(kHz)           | 48.50 – 13.80           | 300*                        |
| 0.490 – 1.705   | 24000/F(kHz)          | 33.80 – 23.00           | 30*                         |
| 1.705 -30       | 30                    | 29.54                   | 30*                         |
| 30-88           | 100                   | 40.0                    | 3                           |
| 88-216          | 150                   | 43.5                    | 3                           |
| 216-960         | 200                   | 46.0                    | 3                           |
| Above 960       | 500                   | 54.0                    | 3                           |

Remark: \* The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 88.50 – 53.80, 53.80 – 43.00 and 49.5dBμV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

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## Test results:

### For Frequency Range 9kHz – 30MHz

No emissions found in this frequency range.

### For Frequency Range 30MHz – 1GHz

Worst Case emissions are found in the channel 2412MHz in b mode 11Mbps and results are listed below.

| Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
|--------------|-----------------|-------------------------|----------------|-------------|
| V            | 30.57           | 34.31                   | 40.00          | -05.69      |
|              | 39.70           | 33.47                   | 40.00          | -06.53      |
|              | 373.38          | 36.51                   | 46.00          | -09.49      |
|              | 480.08          | 37.22                   | 46.00          | -08.78      |
|              | 484.54          | 36.80                   | 46.00          | -09.20      |
|              | 527.99          | 35.62                   | 46.00          | -10.38      |
|              | 888.35          | 38.14                   | 46.00          | -07.86      |
| H            | 30.97           | 34.20                   | 40.00          | -05.80      |
|              | 215.94          | 33.60                   | 43.50          | -09.90      |
|              | 239.9           | 35.20                   | 46.00          | -10.80      |
|              | 365.55          | 37.14                   | 46.00          | -08.86      |
|              | 720.05          | 39.50                   | 46.00          | -06.50      |

### For Frequency above 1GHz

Test results for worst case data rate are listed below.

| B Mode: 1Mbps |              |                 |                         |                |             |
|---------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel       | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low           | V            | 2390(Pk)        | 39.63                   | 74.00          | -34.37      |
|               |              | 2390(Av)        | 29.21                   | 54.00          | -24.79      |
|               |              | 2412(Pk)        | 93.15                   | *              | -           |
|               |              | 2412(Av)        | 90.77                   | *              | -           |
|               |              | 4824(Pk)        | 50.01                   | 74.00          | -23.99      |
|               |              | 4824(Av)        | 40.66                   | 54.00          | -13.34      |
|               |              | 7236(Pk)        | 57.63                   | 74.00          | -16.37      |
|               |              | 7236(Av)        | 44.51                   | 54.00          | -09.49      |
|               | H            | 2390(Pk)        | 41.53                   | 74.00          | -32.47      |
|               |              | 2390(Av)        | 29.41                   | 54.00          | -24.59      |
|               |              | 2412(Pk)        | 94.11                   | *              | -           |
|               |              | 2412(Av)        | 91.36                   | *              | -           |
|               |              | 4824(Pk)        | 51.37                   | 74.00          | -22.63      |

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|      |   |            |       |       |        |
|------|---|------------|-------|-------|--------|
|      |   | 4824(Av)   | 42.94 | 54.00 | -11.06 |
|      |   | 7236(Pk)   | 57.12 | 74.00 | -16.88 |
|      |   | 7236(Av)   | 44.73 | 54.00 | -09.27 |
| Mid  | V | 2442(Pk)   | 89.60 | *     | -      |
|      |   | 2442(Av)   | 87.29 | *     | -      |
|      |   | 4884(Pk)   | 51.75 | 74.00 | -22.25 |
|      |   | 4884(Av)   | 40.11 | 54.00 | -13.89 |
|      |   | 7326(Pk)   | 57.43 | 74.00 | -16.57 |
|      |   | 7326(Av)   | 45.63 | 54.00 | -8.37  |
|      | H | 2442(Pk)   | 92.13 | *     | -      |
|      |   | 2442(Av)   | 89.54 | *     | -      |
|      |   | 4884(Pk)   | 51.01 | 74.00 | -22.99 |
|      |   | 4884(Av)   | 41.95 | 54.00 | -12.05 |
|      |   | 7326(Pk)   | 58.19 | 74.00 | -15.81 |
|      |   | 7326(Av)   | 45.45 | 54.00 | -08.55 |
| High | V | 2483.5(Pk) | 39.21 | 74.00 | -34.79 |
|      |   | 2483.5(Av) | 27.67 | 54.00 | -26.33 |
|      |   | 2462(Pk)   | 88.62 | *     | -      |
|      |   | 2462(Av)   | 86.17 | *     | -      |
|      |   | 4924(Pk)   | 49.98 | 74.00 | -24.02 |
|      |   | 4924(Av)   | 39.33 | 54.00 | -14.67 |
|      |   | 7386(Pk)   | 57.84 | 74.00 | -16.16 |
|      |   | 7386(Av)   | 45.97 | 54.00 | -08.03 |
|      | H | 2483.5(Pk) | 39.68 | 74.00 | -34.32 |
|      |   | 2483.5(Av) | 28.00 | 54.00 | -26.00 |
|      |   | 2462(Pk)   | 90.36 | *     | -      |
|      |   | 2462(Av)   | 87.86 | *     | -      |
|      |   | 4924(Pk)   | 50.63 | 74.00 | -23.37 |
|      |   | 4924(Av)   | 40.58 | 54.00 | -13.42 |
|      |   | 7386(Pk)   | 57.89 | 74.00 | -16.11 |
|      |   | 7386(Av)   | 46.13 | 54.00 | -07.87 |

\* > Fundamental Frequency

| B Mode: 11Mbps |              |                 |                         |                |             |
|----------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel        | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low            | V            | 2390(Pk)        | 41.83                   | 74.00          | -32.17      |
|                |              | 2390(Av)        | 31.74                   | 54.00          | -22.26      |
|                |              | 2412(Pk)        | 96.98                   | *              | -           |
|                |              | 2412(Av)        | 88.88                   | *              | -           |
|                |              | 4824(Pk)        | 50.02                   | 74.00          | -23.98      |
|                |              | 4824(Av)        | 37.64                   | 54.00          | -16.36      |
|                |              | 7236(Pk)        | 56.82                   | 74.00          | -17.18      |
|                |              | 7236(Av)        | 44.58                   | 54.00          | -09.42      |
|                | H            | 2390(Pk)        | 43.98                   | 74.00          | -30.02      |
|                |              | 2390(Av)        | 32.22                   | 54.00          | -21.78      |
|                |              | 2412(Pk)        | 97.91                   | *              | -           |
|                |              | 2412(Av)        | 90.01                   | *              | -           |
|                |              | 4824(Pk)        | 49.49                   | 74.00          | -24.51      |
|                |              | 4824(Av)        | 38.50                   | 54.00          | -15.50      |
|                |              | 7236(Pk)        | 57.07                   | 74.00          | -16.93      |
|                |              | 7236(Av)        | 44.70                   | 54.00          | -09.30      |
| Mid            | V            | 2442(Pk)        | 93.49                   | *              | -           |
|                |              | 2442(Av)        | 85.87                   | *              | -           |
|                |              | 4884(Pk)        | 50.15                   | 74.00          | -23.85      |
|                |              | 4884(Av)        | 37.70                   | 54.00          | -16.30      |
|                |              | 7326(Pk)        | 57.87                   | 74.00          | -16.13      |
|                |              | 7326(Av)        | 45.25                   | 54.00          | -08.75      |
|                | H            | 2442(Pk)        | 96.03                   | *              | -           |
|                |              | 2442(Av)        | 88.15                   | *              | -           |
|                |              | 4884(Pk)        | 51.03                   | 74.00          | -22.97      |
|                |              | 4884(Av)        | 37.65                   | 54.00          | -16.35      |
|                |              | 7326(Pk)        | 57.25                   | 74.00          | -16.75      |
|                |              | 7326(Av)        | 45.55                   | 54.00          | -08.45      |
| High           | V            | 2483.5(Pk)      | 40.41                   | 74.00          | -33.59      |
|                |              | 2483.5(Av)      | 27.75                   | 54.00          | -26.25      |
|                |              | 2462(Pk)        | 91.93                   | *              | -           |
|                |              | 2462(Av)        | 84.53                   | *              | -           |
|                |              | 4924(Pk)        | 50.12                   | 74.00          | -23.88      |
|                |              | 4924(Av)        | 37.76                   | 54.00          | -16.24      |
|                |              | 7386(Pk)        | 58.28                   | 74.00          | -15.72      |
|                |              | 7386(Av)        | 45.73                   | 54.00          | -08.27      |
|                | H            | 2483.5(Pk)      | 39.17                   | 74.00          | -34.83      |
|                |              | 2483.5(Av)      | 28.17                   | 54.00          | -25.83      |
|                |              | 2462(Pk)        | 93.68                   | *              | -           |

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|  |  |          |       |       |        |
|--|--|----------|-------|-------|--------|
|  |  | 2462(Av) | 86.16 | *     | -      |
|  |  | 4924(Pk) | 50.91 | 74.00 | -23.09 |
|  |  | 4924(Av) | 38.02 | 54.00 | -15.98 |
|  |  | 7386(Pk) | 57.62 | 74.00 | -16.38 |
|  |  | 7386(Av) | 46.07 | 54.00 | -07.93 |

\* > Fundamental Frequency

| G Mode: 6Mbps |              |                 |                         |                |             |
|---------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel       | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low           | V            | 2390(Pk)        | 47.51                   | 74.00          | -26.49      |
|               |              | 2390(Av)        | 33.63                   | 54.00          | -20.37      |
|               |              | 2412(Pk)        | 92.01                   | *              | -           |
|               |              | 2412(Av)        | 82.41                   | *              | -           |
|               |              | 4824(Pk)        | 49.37                   | 74.00          | -24.63      |
|               |              | 4824(Av)        | 36.52                   | 54.00          | -17.48      |
|               |              | 7236(Pk)        | 57.17                   | 74.00          | -16.83      |
|               |              | 7236(Av)        | 44.50                   | 54.00          | -09.50      |
|               | H            | 2390(Pk)        | 50.18                   | 74.00          | -23.82      |
|               |              | 2390(Av)        | 36.57                   | 54.00          | -17.43      |
|               |              | 2412(Pk)        | 93.18                   | *              | -           |
|               |              | 2412(Av)        | 83.75                   | *              | -           |
|               |              | 4824(Pk)        | 48.87                   | 74.00          | -25.13      |
|               |              | 4824(Av)        | 36.61                   | 54.00          | -17.39      |
|               |              | 7236(Pk)        | 56.43                   | 74.00          | -17.57      |
|               |              | 7236(Av)        | 44.57                   | 54.00          | -09.43      |
| Mid           | V            | 2442(Pk)        | 89.49                   | *              | -           |
|               |              | 2442(Av)        | 79.05                   | *              | -           |
|               |              | 4884(Pk)        | 48.83                   | 74.00          | -25.17      |
|               |              | 4884(Av)        | 36.84                   | 54.00          | -17.16      |
|               |              | 7326(Pk)        | 57.30                   | 74.00          | -16.70      |
|               |              | 7326(Av)        | 44.96                   | 54.00          | -09.04      |
|               | H            | 2442(Pk)        | 90.96                   | *              | -           |
|               |              | 2442(Av)        | 81.54                   | *              | -           |
|               |              | 4884(Pk)        | 49.21                   | 74.00          | -24.79      |
|               |              | 4884(Av)        | 36.92                   | 54.00          | -17.08      |
|               |              | 7326(Pk)        | 57.65                   | 74.00          | -16.35      |
|               |              | 7326(Av)        | 45.05                   | 54.00          | -08.95      |
| High          | V            | 2483.5(Pk)      | 41.33                   | 74.00          | -32.67      |
|               |              | 2483.5(Av)      | 28.38                   | 54.00          | -25.62      |
|               |              | 2462(Pk)        | 87.79                   | *              | -           |
|               |              | 2462(Av)        | 78.26                   | *              | -           |
|               |              | 4924(Pk)        | 49.50                   | 74.00          | -24.50      |

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|  |   |            |       |       |        |
|--|---|------------|-------|-------|--------|
|  |   | 4924(Av)   | 36.87 | 54.00 | -17.13 |
|  |   | 7386(Pk)   | 57.84 | 74.00 | -16.16 |
|  |   | 7386(Av)   | 45.48 | 54.00 | -08.52 |
|  | H | 2483.5(Pk) | 43.67 | 74.00 | -30.33 |
|  |   | 2483.5(Av) | 29.07 | 54.00 | -24.93 |
|  |   | 2462(Pk)   | 89.86 | *     | -      |
|  |   | 2462(Av)   | 79.85 | *     | -      |
|  |   | 4924(Pk)   | 50.03 | 74.00 | -23.97 |
|  |   | 4924(Av)   | 36.87 | 54.00 | -17.13 |
|  |   | 7386(Pk)   | 58.17 | 74.00 | -15.83 |
|  |   | 7386(Av)   | 45.49 | 54.00 | -08.51 |

\* > Fundamental Frequency

| G Mode: 24Mbps |              |                 |                         |                |             |
|----------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel        | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low            | V            | 2390(Pk)        | 49.32                   | 74.00          | -24.68      |
|                |              | 2390(Av)        | 35.35                   | 54.00          | -18.65      |
|                |              | 2412(Pk)        | 92.46                   | *              | -           |
|                |              | 2412(Av)        | 81.93                   | *              | -           |
|                |              | 4824(Pk)        | 49.02                   | 74.00          | -24.98      |
|                |              | 4824(Av)        | 36.45                   | 54.00          | -17.55      |
|                |              | 7236(Pk)        | 56.56                   | 74.00          | -17.44      |
|                |              | 7236(Av)        | 44.50                   | 54.00          | -09.50      |
|                | H            | 2390(Pk)        | 49.62                   | 74.00          | -24.38      |
|                |              | 2390(Av)        | 35.55                   | 54.00          | -18.45      |
|                |              | 2412(Pk)        | 93.45                   | *              | -           |
|                |              | 2412(Av)        | 83.35                   | *              | -           |
|                |              | 4824(Pk)        | 49.09                   | 74.00          | -24.91      |
|                |              | 4824(Av)        | 36.59                   | 54.00          | -17.41      |
|                |              | 7236(Pk)        | 56.88                   | 74.00          | -17.12      |
|                |              | 7236(Av)        | 44.55                   | 54.00          | -09.45      |
| Mid            | V            | 2442(Pk)        | 89.47                   | *              | -           |
|                |              | 2442(Av)        | 79.17                   | *              | -           |
|                |              | 4884(Pk)        | 48.89                   | 74.00          | -25.11      |
|                |              | 4884(Av)        | 36.87                   | 54.00          | -17.13      |
|                |              | 7326(Pk)        | 59.05                   | 74.00          | -14.95      |
|                |              | 7326(Av)        | 45.04                   | 54.00          | -08.96      |
|                | H            | 2442(Pk)        | 92.56                   | *              | -           |
|                |              | 2442(Av)        | 81.04                   | *              | -           |
|                |              | 4884(Pk)        | 49.51                   | 74.00          | -24.49      |
|                |              | 4884(Av)        | 36.86                   | 54.00          | -17.14      |
|                |              | 7326(Pk)        | 57.60                   | 74.00          | -16.40      |

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|      |   |            |       |       |        |
|------|---|------------|-------|-------|--------|
|      |   | 7326(Av)   | 45.08 | 54.00 | -08.92 |
| High | V | 2483.5(Pk) | 43.80 | 74.00 | -30.20 |
|      |   | 2483.5(Av) | 28.54 | 54.00 | -25.46 |
|      |   | 2462(Pk)   | 89.16 | *     | -      |
|      |   | 2462(Av)   | 78.22 | *     | -      |
|      |   | 4924(Pk)   | 49.94 | 74.00 | -24.06 |
|      |   | 4924(Av)   | 36.86 | 54.00 | -17.14 |
|      |   | 7386(Pk)   | 57.86 | 74.00 | -16.14 |
|      |   | 7386(Av)   | 45.53 | 54.00 | -08.47 |
|      | H | 2483.5(Pk) | 45.69 | 74.00 | -28.31 |
|      |   | 2483.5(Av) | 29.18 | 54.00 | -24.82 |
|      |   | 2462(Pk)   | 89.65 | *     | -      |
|      |   | 2462(Av)   | 79.48 | *     | -      |
|      |   | 4924(Pk)   | 48.70 | 74.00 | -25.30 |
|      |   | 4924(Av)   | 36.90 | 54.00 | -17.10 |
|      |   | 7386(Pk)   | 58.33 | 74.00 | -15.67 |
|      |   | 7386(Av)   | 45.56 | 54.00 | -8.44  |

\* > Fundamental Frequency

| G Mode: 54Mbps |              |                 |                         |                |             |
|----------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel        | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low            | V            | 2390(pk)        | 51.66                   | 74.00          | -22.34      |
|                |              | 2390(Av)        | 33.52                   | 54.00          | -20.48      |
|                |              | 2412(Pk)        | 93.10                   | *              | -           |
|                |              | 2412(Av)        | 90.63                   | *              | -           |
|                |              | 4824(Pk)        | 48.27                   | 74.00          | -25.73      |
|                |              | 4824(Av)        | 36.51                   | 54.00          | -17.49      |
|                |              | 7236(Pk)        | 57.38                   | 74.00          | -16.62      |
|                |              | 7236(Av)        | 44.42                   | 54.00          | -09.58      |
|                | H            | 2390(Pk)        | 53.02                   | 74.00          | -20.98      |
|                |              | 2390(Av)        | 35.87                   | 54.00          | -18.13      |
|                |              | 2412(Pk)        | 94.64                   | *              | -           |
|                |              | 2412(Av)        | 83.20                   | *              | -           |
|                |              | 4824(Pk)        | 49.71                   | 74.00          | -24.29      |
|                |              | 4824(Av)        | 36.55                   | 54.00          | -17.45      |
|                |              | 7236(Pk)        | 56.50                   | 74.00          | -17.50      |
|                |              | 7236(Av)        | 44.60                   | 54.00          | -09.40      |
| Mid            | V            | 2442(Pk)        | 89.65                   | *              | -           |
|                |              | 2442(Av)        | 78.65                   | *              | -           |
|                |              | 4884(Pk)        | 49.65                   | 74.00          | -24.35      |
|                |              | 4884(Av)        | 36.81                   | 54.00          | -17.19      |

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|      |   |            |       |       |        |
|------|---|------------|-------|-------|--------|
| High | H | 7326(Pk)   | 57.73 | 74.00 | -16.27 |
|      |   | 7326(Av)   | 44.98 | 54.00 | -09.02 |
|      |   | 2442(Pk)   | 92.28 | *     | -      |
|      |   | 2442(Av)   | 80.82 | *     | -      |
|      |   | 4884(Pk)   | 49.54 | 74.00 | -24.46 |
|      |   | 4884(Av)   | 36.89 | 54.00 | -17.11 |
|      |   | 7326(Pk)   | 57.82 | 74.00 | -16.18 |
|      |   | 7326(Av)   | 45.04 | 54.00 | -08.96 |
|      | V | 2483.5(Pk) | 40.68 | 74.00 | -33.32 |
|      |   | 2483.5(Av) | 28.44 | 54.00 | -25.56 |
|      |   | 2462(Pk)   | 88.46 | *     | -      |
|      |   | 2462(Av)   | 77.40 | *     | -      |
|      |   | 4924(Pk)   | 49.52 | 74.00 | -24.48 |
|      |   | 4924(Av)   | 36.86 | 54.00 | -17.14 |
|      |   | 7386(Pk)   | 57.66 | 74.00 | -16.34 |
|      |   | 7386(Av)   | 45.57 | 54.00 | -08.43 |
|      | H | 2483.5(Pk) | 42.02 | 74.00 | -31.98 |
|      |   | 2483.5(Av) | 29.38 | 54.00 | -24.62 |
|      |   | 2462(Pk)   | 90.29 | *     | -      |
|      |   | 2462(Av)   | 78.66 | *     | -      |
|      |   | 4924(Pk)   | 49.33 | 74.00 | -24.67 |
|      |   | 4924(Av)   | 36.90 | 54.00 | -17.10 |
|      |   | 7386(Pk)   | 58.66 | 74.00 | -15.34 |
|      |   | 7386(Av)   | 45.51 | 54.00 | -08.49 |

\* > Fundamental Frequency

| n Mode: MCS0 |              |                 |                         |                |             |
|--------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel      | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low          | V            | 2390(Pk)        | 49.61                   | 74.00          | -24.39      |
|              |              | 2390(Av)        | 36.38                   | 54.00          | -17.62      |
|              |              | 2412(Pk)        | 91.60                   | *              | -           |
|              |              | 2412(Av)        | 82.54                   | *              | -           |
|              |              | 4824(Pk)        | 48.53                   | 74.00          | -25.47      |
|              |              | 4824(Av)        | 36.43                   | 54.00          | -17.57      |
|              |              | 7236(Pk)        | 57.37                   | 74.00          | -16.63      |
|              |              | 7236(Av)        | 44.41                   | 54.00          | -09.59      |
|              | H            | 2390(Pk)        | 53.25                   | 74.00          | -20.75      |
|              |              | 2390(Av)        | 38.58                   | 54.00          | -15.42      |
|              |              | 2412(Pk)        | 92.84                   | *              | -           |
|              |              | 2412(Av)        | 83.99                   | *              | -           |
|              |              | 4824(Pk)        | 49.63                   | 74.00          | -24.37      |
|              |              | 4824(Av)        | 36.63                   | 54.00          | -17.37      |

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|      |   |            |       |       |        |
|------|---|------------|-------|-------|--------|
|      |   | 7236(Pk)   | 56.85 | 74.00 | -17.15 |
|      |   | 7236(Av)   | 44.59 | 54.00 | -09.41 |
| Mid  | V | 2442(Pk)   | 88.57 | *     | -      |
|      |   | 2442(Av)   | 79.20 | *     | -      |
|      |   | 4884(Pk)   | 49.88 | 74.00 | -24.12 |
|      |   | 4884(Av)   | 36.83 | 54.00 | -17.17 |
|      |   | 7326(Pk)   | 57.40 | 74.00 | -16.60 |
|      |   | 7326(Av)   | 44.95 | 54.00 | -09.05 |
|      |   | 2442(Pk)   | 90.52 | *     | -      |
|      | H | 2442(Av)   | 81.58 | *     | -      |
|      |   | 4884(Pk)   | 50.28 | 74.00 | -23.72 |
|      |   | 4884(Av)   | 36.90 | 54.00 | -17.10 |
|      |   | 7326(Pk)   | 58.01 | 74.00 | -15.99 |
|      |   | 7326(Av)   | 45.06 | 54.00 | -08.94 |
| High | V | 2483.5(Pk) | 42.16 | 74.00 | -31.84 |
|      |   | 2483.5(Av) | 28.84 | 54.00 | -25.16 |
|      |   | 2462(Pk)   | 86.88 | *     | -      |
|      |   | 2462(Av)   | 77.64 | *     | -      |
|      |   | 4924(Pk)   | 49.36 | 74.00 | -24.64 |
|      |   | 4924(Av)   | 36.90 | 54.00 | -17.10 |
|      |   | 7386(Pk)   | 58.66 | 74.00 | -15.34 |
|      |   | 7386(Av)   | 45.53 | 54.00 | -08.47 |
|      | H | 2483.5(Pk) | 44.97 | 74.00 | -29.03 |
|      |   | 2483.5(Av) | 29.99 | 54.00 | -24.01 |
|      |   | 2462(Pk)   | 89.74 | *     | -      |
|      |   | 2462(Av)   | 80.06 | *     | -      |
|      |   | 4924(Pk)   | 49.36 | 74.00 | -24.64 |
|      |   | 4924(Av)   | 36.91 | 54.00 | -17.09 |
|      |   | 7386(Pk)   | 58.30 | 74.00 | -15.70 |
|      |   | 7386(Av)   | 45.64 | 54.00 | -8.36  |

\* > Fundamental Frequency

| n Mode: MCS4 |              |                 |                         |                |             |
|--------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel      | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low          | V            | 2390(Pk)        | 51.94                   | 74.00          | -22.06      |
|              |              | 2390(Av)        | 36.30                   | 54.00          | -17.70      |
|              |              | 2412(Pk)        | 93.21                   | *              | -           |
|              |              | 2412(Av)        | 82.73                   | *              | -           |
|              |              | 4824(Pk)        | 49.12                   | 74.00          | -24.88      |
|              |              | 4824(Av)        | 36.46                   | 54.00          | -17.54      |
|              |              | 7236(Pk)        | 57.27                   | 74.00          | -16.73      |
|              |              | 7236(Av)        | 44.58                   | 54.00          | -09.42      |

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|      |   |            |       |       |        |
|------|---|------------|-------|-------|--------|
|      | H | 2390(Pk)   | 52.18 | 74.00 | -21.82 |
|      |   | 2390(Av)   | 37.37 | 54.00 | -16.63 |
|      |   | 2412(Pk)   | 94.38 | *     | -      |
|      |   | 2412(Av)   | 83.78 | *     | -      |
|      |   | 4824(Pk)   | 49.57 | 74.00 | -24.43 |
|      |   | 4824(Av)   | 36.36 | 54.00 | -17.64 |
|      |   | 7236(Pk)   | 57.41 | 74.00 | -16.59 |
|      |   | 7236(Av)   | 44.60 | 54.00 | -09.40 |
| Mid  | V | 2442(Pk)   | 89.73 | *     | -      |
|      |   | 2442(Av)   | 79.09 | *     | -      |
|      |   | 4884(Pk)   | 49.55 | 74.00 | -24.45 |
|      |   | 4884(Av)   | 36.88 | 54.00 | -17.12 |
|      |   | 7326(Pk)   | 58.28 | 74.00 | -15.72 |
|      |   | 7326(Av)   | 44.98 | 54.00 | -09.02 |
|      | H | 2442(Pk)   | 91.70 | *     | -      |
|      |   | 2442(Av)   | 81.38 | *     | -      |
|      |   | 4884(Pk)   | 49.04 | 74.00 | -24.96 |
|      |   | 4884(Av)   | 36.81 | 54.00 | -17.19 |
|      |   | 7326(Pk)   | 57.73 | 74.00 | -16.27 |
|      |   | 7326(Av)   | 45.15 | 54.00 | -08.85 |
| High | V | 2483.5(Pk) | 40.52 | 74.00 | -33.48 |
|      |   | 2483.5(Av) | 28.88 | 54.00 | -25.12 |
|      |   | 2462(Pk)   | 88.91 | *     | -      |
|      |   | 2462(Av)   | 78.23 | *     | -      |
|      |   | 4924(Pk)   | 49.67 | 74.00 | -24.33 |
|      |   | 4924(Av)   | 36.86 | 54.00 | -17.14 |
|      |   | 7386(Pk)   | 58.22 | 74.00 | -15.78 |
|      |   | 7386(Av)   | 45.53 | 54.00 | -08.47 |
|      | H | 2483.5(Pk) | 45.40 | 74.00 | -28.60 |
|      |   | 2483.5(Av) | 29.75 | 54.00 | -24.25 |
|      |   | 2462(Pk)   | 90.21 | *     | -      |
|      |   | 2462(Av)   | 79.29 | *     | -      |
|      |   | 4924(Pk)   | 49.29 | 74.00 | -24.71 |
|      |   | 4924(Av)   | 36.86 | 54.00 | -17.14 |
|      |   | 7386(Pk)   | 58.08 | 74.00 | -15.92 |
|      |   | 7386(Av)   | 45.59 | 54.00 | -08.41 |

\* > Fundamental Frequency

| n Mode: MCS7 |              |                 |                         |                |             |
|--------------|--------------|-----------------|-------------------------|----------------|-------------|
| Channel      | Polarization | Frequency (MHz) | Emission level (dBuV/m) | Limit (dBuV/m) | Margin (dB) |
| Low          | V            | 2390(Pk)        | 52.11                   | 74.00          | -21.89      |
|              |              | 2390(Av)        | 35.77                   | 54.00          | -18.23      |

|  |      |   |            |       |       |        |
|--|------|---|------------|-------|-------|--------|
|  |      |   | 2412(Pk)   | 92.64 | *     | -      |
|  |      |   | 2412(Av)   | 81.89 | *     | -      |
|  |      |   | 4824(Pk)   | 48.52 | 74.00 | -25.48 |
|  |      |   | 4824(Av)   | 36.50 | 54.00 | -17.50 |
|  |      |   | 7236(Pk)   | 56.77 | 74.00 | -17.23 |
|  |      |   | 7236(Av)   | 44.48 | 54.00 | -09.52 |
|  |      | H | 2390(Pk)   | 54.91 | 74.00 | -19.09 |
|  |      |   | 2390(Av)   | 37.07 | 54.00 | -16.93 |
|  |      |   | 2412(Pk)   | 94.15 | *     | -      |
|  |      |   | 2412(Av)   | 83.63 | *     | -      |
|  |      |   | 4824(Pk)   | 48.99 | 74.00 | -25.01 |
|  |      |   | 4824(Av)   | 36.56 | 54.00 | -17.44 |
|  |      |   | 7236(Pk)   | 57.05 | 74.00 | -16.95 |
|  |      |   | 7236(Av)   | 44.64 | 54.00 | -09.36 |
|  | Mid  | V | 2442(Pk)   | 90.37 | *     | -      |
|  |      |   | 2442(Av)   | 79.05 | *     | -      |
|  |      |   | 4884(Pk)   | 49.04 | 74.00 | -24.96 |
|  |      |   | 4884(Av)   | 36.84 | 54.00 | -17.16 |
|  |      |   | 7326(Pk)   | 57.29 | 74.00 | -16.71 |
|  |      |   | 7326(Av)   | 44.95 | 54.00 | -09.05 |
|  |      | H | 2442(Pk)   | 93.10 | *     | -      |
|  |      |   | 2442(Av)   | 80.72 | *     | -      |
|  |      |   | 4884(Pk)   | 49.78 | 74.00 | -24.22 |
|  |      |   | 4884(Av)   | 36.94 | 54.00 | -17.06 |
|  |      |   | 7326(Pk)   | 57.29 | 74.00 | -16.71 |
|  |      |   | 7326(Av)   | 44.96 | 54.00 | -09.04 |
|  | High | V | 2483.5(Pk) | 41.62 | 74.00 | -32.38 |
|  |      |   | 2483.5(Av) | 28.91 | 54.00 | -25.09 |
|  |      |   | 2462(Pk)   | 88.01 | *     | -      |
|  |      |   | 2462(Av)   | 77.03 | *     | -      |
|  |      |   | 4924(Pk)   | 49.33 | 74.00 | -24.67 |
|  |      |   | 4924(Av)   | 36.88 | 54.00 | -17.12 |
|  |      |   | 7386(Pk)   | 58.29 | 74.00 | -15.71 |
|  |      |   | 7386(Av)   | 45.47 | 54.00 | -08.53 |
|  |      | H | 2483.5(Pk) | 44.29 | 74.00 | -29.71 |
|  |      |   | 2483.5(Av) | 29.38 | 54.00 | -24.62 |
|  |      |   | 2462(Pk)   | 89.66 | *     | -      |
|  |      |   | 2462(Av)   | 78.82 | *     | -      |
|  |      |   | 4924(Pk)   | 49.38 | 74.00 | -24.62 |
|  |      |   | 4924(Av)   | 36.94 | 54.00 | -17.06 |
|  |      |   | 7386(Pk)   | 57.54 | 74.00 | -16.46 |
|  |      |   | 7386(Av)   | 45.61 | 54.00 | -08.39 |

\* > Fundamental Frequency

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**Conducted Emission Test on A.C. Power Line  
Result**

**Section 15.207  
Pass**

Test Specification : FCC Part 15 Section 15.207  
Test Method : ANSI C63.10-2009  
Testing Location : Screened room  
Measurement Bandwidth : 9kHz  
Frequency Range : 150kHz – 30MHz  
Supply Voltage : 120VAC,60Hz

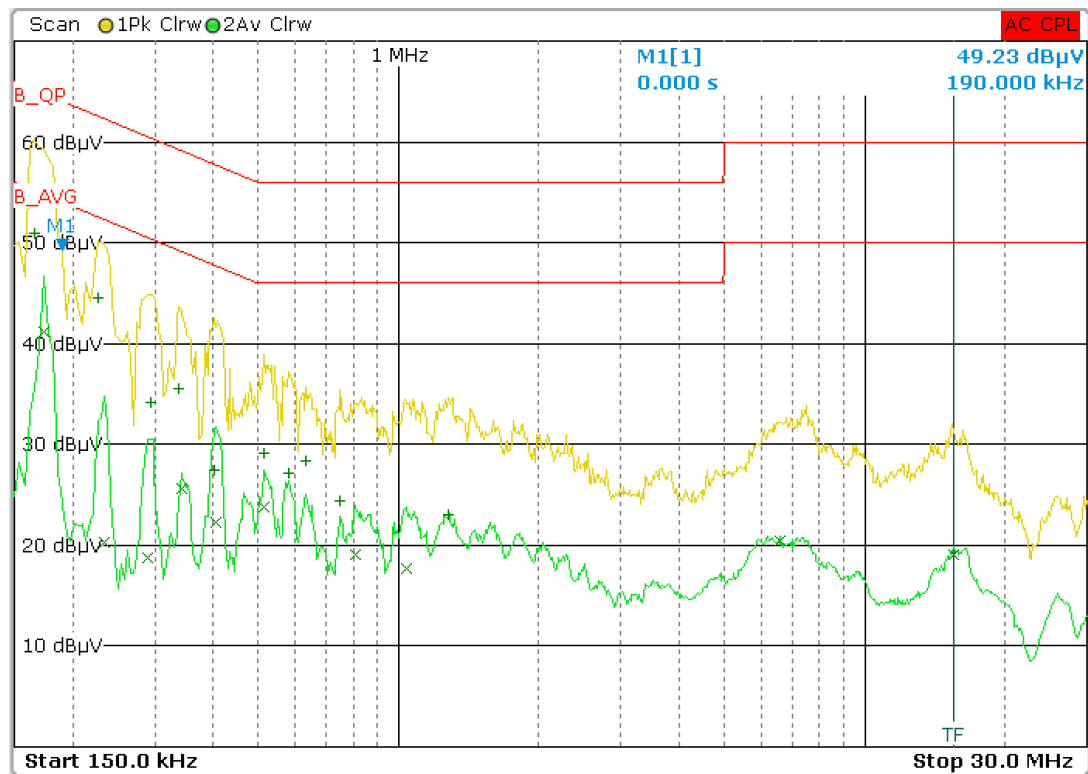
**Limit of section 15.207**

| <b>Frequency of<br/>emission<br/>(MHz)</b> | <b>QP Limit<br/>(dB<math>\mu</math>V)</b> | <b>AV Limit<br/>(dB<math>\mu</math>V/m)</b> |
|--------------------------------------------|-------------------------------------------|---------------------------------------------|
| 0.15 – 0.5                                 | 66 – 56*                                  | 56 – 46*                                    |
| 0.5 – 5                                    | 56                                        | 46                                          |
| 5 – 30                                     | 60                                        | 50                                          |

\* Decreases with the logarithm of the frequency

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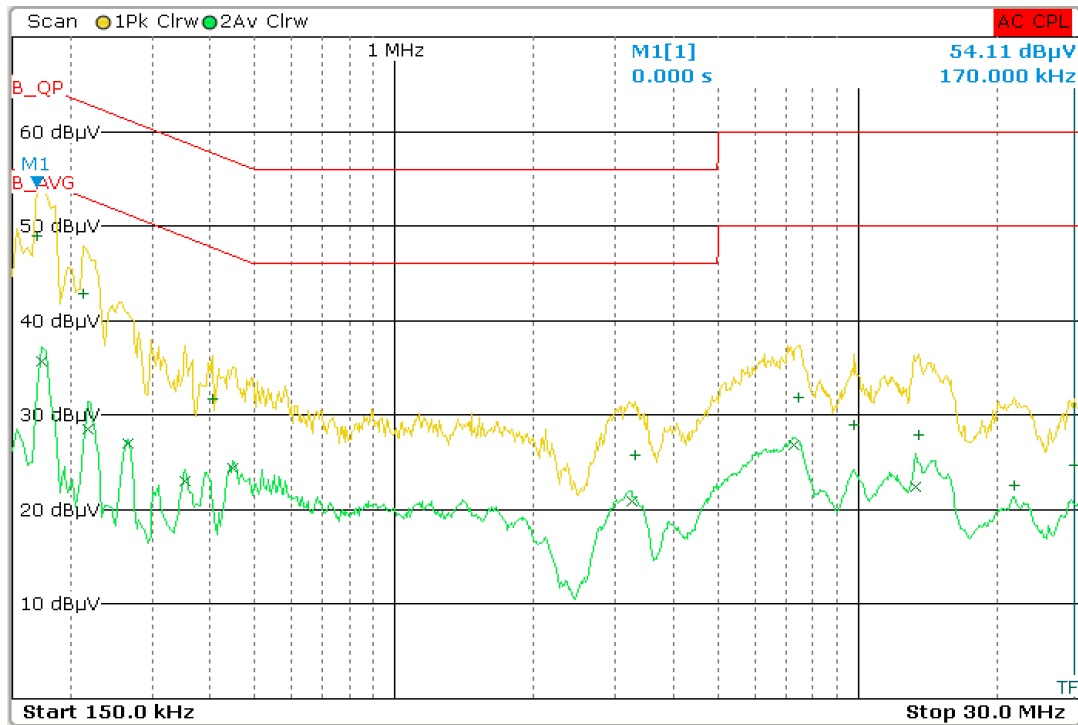
Test Result:



Line Graph

| Frequency [MHz] | Emission Level [dBµV] | Limit [dBµV] | Detector   |
|-----------------|-----------------------|--------------|------------|
| 0.166           | 50.95                 | 65.2         | Quasi Peak |
| 0.226           | 44.56                 | 62.6         | Quasi Peak |
| 0.338           | 35.57                 | 59.3         | Quasi Peak |
| 0.294           | 34.22                 | 60.4         | Quasi Peak |
| 0.514           | 29.07                 | 56.0         | Quasi Peak |
| 0.634           | 28.36                 | 56.0         | Quasi Peak |
| 0.174           | 41.16                 | 54.8         | Average    |
| 0.514           | 23.75                 | 46.0         | Average    |
| 0.342           | 25.56                 | 49.2         | Average    |
| 0.406           | 22.26                 | 47.7         | Average    |
| 0.806           | 19.08                 | 46.0         | Average    |
| 1.042           | 17.72                 | 46.0         | Average    |

Line: Table



Neutral: Graph

| Frequency [MHz] | Emission Level [dBµV] | Limit [dBµV] | Detector   |
|-----------------|-----------------------|--------------|------------|
| 0.170           | 48.90                 | 65.0         | Quasi Peak |
| 0.214           | 42.87                 | 63.1         | Quasi Peak |
| 0.406           | 31.79                 | 57.7         | Quasi Peak |
| 7.438           | 31.90                 | 60.0         | Quasi Peak |
| 3.302           | 25.81                 | 56.0         | Quasi Peak |
| 9.842           | 28.91                 | 60.0         | Quasi Peak |
| 0.274           | 35.75                 | 54.8         | Average    |
| 0.414           | 24.37                 | 46.9         | Average    |
| 0.550           | 26.88                 | 50.0         | Average    |
| 0.826           | 27.00                 | 51.2         | Average    |
| 0.686           | 28.49                 | 52.9         | Average    |
| 1.374           | 20.87                 | 46.0         | Average    |

Neutral: Table