# FCC Test Report

Report No.: AGC16847250802FR02

| | | |
|---|---|---|
| **FCC ID** | : | 2A482-SOTVOO |
| **APPLICATION PURPOSE** | : | Original Equipment |
| **PRODUCT DESIGNATION** | : | Baseus Security P1 Lite Indoor Camera 2K |
| **BRAND NAME** | : | baseus |
| **MODEL NAME** | : | S0TV00 |
| **APPLICANT** | : | Shenzhen Baseus Technology Co., Ltd. |
| **DATE OF ISSUE** | : | Nov. 24, 2025 |
| **STANDARD(S)** | : | FCC Part 15 Subpart C §15.247 |
| **REPORT VERSION** | : | V1.0 |

***A**ttestation of **G**lobal **C**ompliance (Shenzhen) Co., Ltd*

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## Report Revise Record

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|---|---|---|---|---|
| V1.0 | / | Nov. 24, 2025 | Valid | Initial Release |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## Table of Contents

**1. General Information ..... 5**
**2. Product Information ..... 6**
2.1 Product Technical Description ..... 6
2.2 Table of Carrier Frequency ..... 7
2.3 IEEE 802.11n Modulation Scheme ..... 8
2.4 Related Submittal(S) / Grant (S) ..... 9
2.5 Test Methodology ..... 9
2.6 Special Accessories ..... 9
2.7 Equipment Modifications ..... 9
2.8 Antenna Requirement ..... 9
2.9 Description of Test Software ..... 10
**3. Test Environment ..... 11**
3.1 Address of The Test Laboratory ..... 11
3.2 Test Facility ..... 11
3.3 Environmental Conditions ..... 12
3.4 Measurement Uncertainty ..... 12
3.5 List of Equipment Used ..... 13
**4.System Test Configuration ..... 15**
4.1 EUT Configuration ..... 15
4.2 EUT Exercise ..... 15
4.3 Configuration of Tested System ..... 15
4.4 Equipment Used in Tested System ..... 15
4.5 Summary of Test Results ..... 16
**5. Description of Test Modes ..... 17**
**6. Duty Cycle Measurement ..... 19**
**7. RF Output Power Measurement ..... 21**
7.1 Provisions Applicable ..... 21
7.2 Measurement Procedure ..... 21
7.3 Measurement Setup (Block Diagram of Configuration) ..... 21
7.4 Measurement Result ..... 22
**8. 6dB Bandwidth Measurement ..... 23**
8.1 Provisions Applicable ..... 23
8.2 Measurement Procedure ..... 23
8.3 Measurement Setup (Block Diagram of Configuration) ..... 23
8.4 Measurement Result ..... 24
**9. Power Spectral Density Measurement ..... 43**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

9.1 Provisions Applicable ..... 43
9.2 Measurement Procedure ..... 43
9.3 Measurement Setup (Block Diagram of Configuration) ..... 44
9.4 Measurement Result ..... 44
**10. Conducted Band Edge and Out-of-Band Emissions ..... 54**
10.1 Provisions Applicable ..... 54
10.2 Measurement Procedure ..... 54
10.3 Measurement Setup (Block Diagram of Configuration) ..... 54
10.4 Measurement Result ..... 55
**11. Radiated Spurious Emission ..... 85**
11.1 Measurement Limits ..... 85
11.2 Measurement Procedure ..... 85
11.3 Measurement Setup (Block Diagram of Configuration) ..... 88
11.4 Measurement Result ..... 89
**12. AC Power Line Conducted Emission ..... 118**
12.1 Measurement Limits ..... 118
12.2 Block Diagram of Line Conducted Emission Test ..... 118
12.3 Preliminary Procedure of Line Conducted Emission Test ..... 119
12.4 Final Procedure of Line Conducted Emission Test ..... 119
12.5 Test Result of Line Conducted Emission Test ..... 120
**Appendix I: Photographs of Test Setup ..... 122**
**Appendix II: Photographs of Test EUT ..... 122**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## 1. General Information

| | |
|---|---|
| Applicant | Shenzhen Baseus Technology Co., Ltd. |
| Address | 2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China |
| Manufacturer | Shenzhen Baseus Technology Co., Ltd. |
| Address | 2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China |
| Factory | N/A |
| Address | N/A |
| Product Designation | Baseus Security P1 Lite Indoor Camera 2K |
| Brand Name | baseus |
| Test Model | S0TV00 |
| Series Model(s) | N/A |
| Difference Description | N/A |
| Date of receipt of test item | Aug. 13, 2025 |
| Date of Test | Aug. 13, 2025 to Nov. 24, 2025 |
| Deviation from Standard | No any deviation from the test method |
| Condition of Test Sample | Normal |
| Test Result | Pass |
| Test Report Form No | AGCER-FCC-2.4GWLAN-V1 |

Note: The test results of this report relate only to the tested sample identified in this report.

| | | |
|---|---|---|
| Prepared By | Jack Gui<br>(Project Engineer) | Nov. 24, 2025 |
| Reviewed By | Bibo Zhang<br>(Reviewer) | Nov. 24, 2025 |
| Approved By | Angela Li<br>(Authorized Officer) | Nov. 24, 2025 |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 2. Product Information

## 2.1 Product Technical Description

| | |
|---|---|
| Equipment Type | WLAN 2.4G |
| Frequency Band | 2400MHz ~ 2483.5MHz |
| Operation Frequency | 2412MHz ~ 2462MHz |
| Output Power (Average) | IEEE 802.11b:15.98dBm; IEEE 802.11g:10.47dBm;<br>IEEE 802.11n(HT20):10.80dBm; IEEE 802.11n(HT40): 10.40dBm<br>IEEE 802.11ax (HE20): 10.46dBm; IEEE 802.11ax (HE40): 10.02dBm |
| Output Power (Peak) | IEEE 802.11b:18.86dBm; IEEE 802.11g:18.26dBm;<br>IEEE 802.11n(HT20):18.04dBm; ; IEEE 802.11n(HT40): 19.68dBm<br>IEEE 802.11ax (HE20): 19.32dBm; IEEE 802.11ax (HE40): 17.62dBm |
| Modulation | 802.11b:(DQPSK, DBPSK, CCK) DSSS<br>802.11g/n:(64-QAM,16-QAM, QPSK, BPSK) OFDM<br>802.11ax:(1024-QAM,256-QAM,64-QAM,16QAM,QPSK,BPSK)OFDMA |
| Data Rate | 802.11b:1/2/5.5/11Mbps<br>802.11g: 6/9/12/18/24/36/48/54Mbps<br>802.11n: up to 72.2Mbps<br>802.11ax: up to 287Mbps |
| Number of channels | 11 |
| Hardware Version | VER1.0-3 |
| Software Version | V1.0 |
| Antenna Designation | PCB Antenna |
| Antenna Gain | 1.42dBi |
| Power Supply | DC 5V by adapter |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## 2.2 Table of Carrier Frequency

**For 2412-2462MHz:**

**11 channels are provided for 802.11b/g/n(HT20)/ax (HE20):**

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|
| 01 | 2412 MHz | 02 | 2417 MHz | 03 | 2422 MHz |
| 04 | 2427 MHz | 05 | 2432 MHz | 06 | 2437 MHz |
| 07 | 2442 MHz | 08 | 2447 MHz | 09 | 2452 MHz |
| 10 | 2457 MHz | 11 | 2462 MHz | | |

**7 channels are provided for 802.11n(HT40)/ax (HE40):**

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|
| 01 | -- | 02 | -- | 03 | 2422 MHz |
| 04 | 2427 MHz | 05 | 2432 MHz | 06 | 2437 MHz |
| 07 | 2442 MHz | 08 | 2447 MHz | 09 | 2452 MHz |
| 10 | -- | 11 | -- | | |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

**2.3 IEEE 802.11n Modulation Scheme**

| MCS Index | Nss | Modulation | R | $N_{BPSC}$ | $N_{CBPS}$ | | $N_{DBPS}$ | | Data Rate(Mbps) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 800nsGI | |
| | | | | | 20MHz | 40MHz | 20MHz | 40MHz | 20MHz | 40MHz |
| 0 | 1 | BPSK | 1/2 | 1 | 52 | 108 | 26 | 54 | 6.5 | 13.5 |
| 1 | 1 | QPSK | 1/2 | 2 | 104 | 216 | 52 | 108 | 13.0 | 27.0 |
| 2 | 1 | QPSK | 3/4 | 2 | 104 | 216 | 78 | 162 | 19.5 | 40.5 |
| 3 | 1 | 16-QAM | 1/2 | 4 | 208 | 432 | 104 | 216 | 26.0 | 54.0 |
| 4 | 1 | 16-QAM | 3/4 | 4 | 208 | 432 | 156 | 324 | 39.0 | 81.0 |
| 5 | 1 | 64-QAM | 2/3 | 6 | 312 | 648 | 208 | 432 | 52.0 | 108.0 |
| 6 | 1 | 64-QAM | 3/4 | 6 | 312 | 648 | 234 | 489 | 58.5 | 121.5 |
| 7 | 1 | 64-QAM | 5/6 | 6 | 312 | 648 | 260 | 540 | 65.0 | 135.0 |

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

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### 2.4 Related Submittal(S) / Grant (S)

This submittal(s) (test report) is intended for FCC ID: **2A482-SOTVOO,** filing to comply with Part 2, Part 15 of the Federal Communication Commission rules.

### 2.5 Test Methodology

The tests were performed according to following standards:

| No. | Identity | Document Title |
|---|---|---|
| 1 | FCC 47 CFR Part 2 | Frequency allocations and radio treaty matters; general rules and regulations |
| 2 | FCC 47 CFR Part 15 | Radio Frequency Devices |
| 3 | ANSI C63.10-2020 | American National Standard for Testing Unlicensed Wireless Devices |

### 2.6 Special Accessories

Refer to section 4.4.

### 2.7 Equipment Modifications

Not available for this EUT intended for grant.

### 2.8 Antenna Requirement

| **Standard Requirement** |
|---|
| 15.203 requirement:<br>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.<br>15.247(b) (4) requirement:<br>The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi |
| **EUT Antenna:** |
| The non-detachable antenna inside the device cannot be replaced by the user at will. The gain of the antenna is 1.42 dBi. |

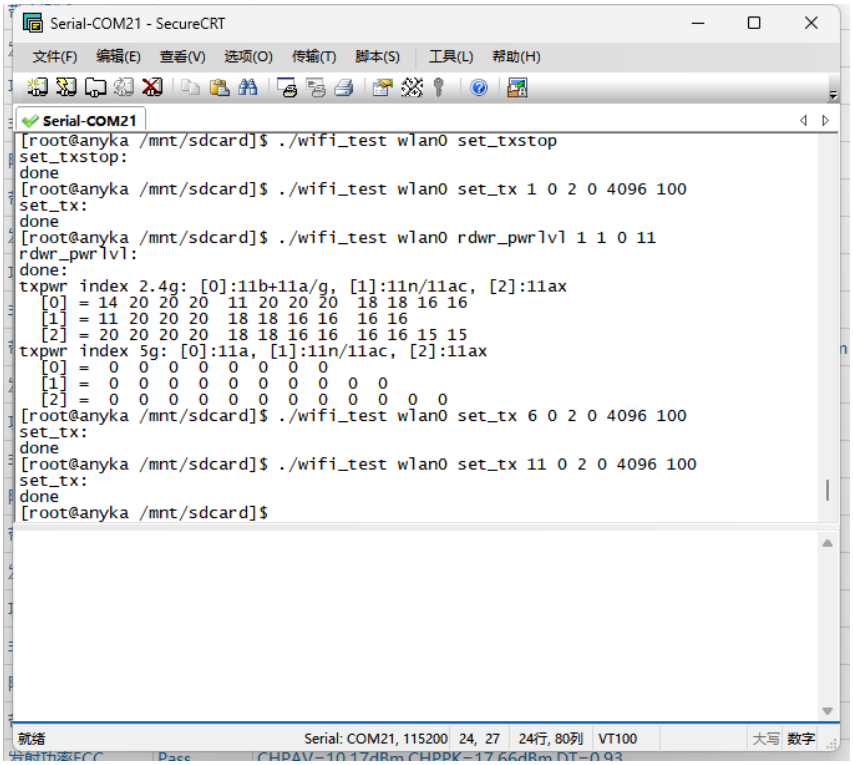
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## 2.9 Description of Test Software

**For IEEE 802.11 mode:**

The test utility software used during testing was “SecureCRT”, and the version was “6.6.1”.

Software Setting Diagram




| Test Mode | Channel | Power Index |
|---|---|---|
| 802.11b | L/M/H | 14 |
| 802.11g | L/M/H | 11 |
| 802.11n-HT20 | L/M/H | 11 |
| 802.11ax-HE20 | L/M/H | 11 |
| 802.11n-HT40 | L/M/H | 11 |
| 802.11ax-HE40 | L/M/H | 11 |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 3. Test Environment

## 3.1 Address of The Test Laboratory

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

## 3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

**CNAS-Lab Code: L5488**

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to follow CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories).

**A2LA-Lab Cert. No.: 5054.02**

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to follow ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

**FCC-Registration No.: 975832**

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

**IC-Registration No.: 24842 (CAB identifier: CN0063)**

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### 3.3 Environmental Conditions

| | Normal Conditions |
|---|---|
| Temperature range (℃) | 15 - 35 |
| Relative humidity range | 20 % - 75 % |
| Pressure range (kPa) | 86 - 106 |

### 3.4 Measurement Uncertainty

The reported uncertainty of measurement y±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

| Item | Measurement Uncertainty |
|---|---|
| Uncertainty of Conducted Emission for AC Port | $U_c$ = ±2.9 dB |
| Uncertainty of Radiated Emission below 1GHz | $U_c$ = ±3.9 dB |
| Uncertainty of Radiated Emission above 1GHz | $U_c$ = ±4.9 dB |
| Uncertainty of total RF power, conducted | $U_c$ = ±0.8 dB |
| Uncertainty of RF power density, conducted | $U_c$ = ±2.6 dB |
| Uncertainty of spurious emissions, conducted | $U_c$ = ±2 % |
| Uncertainty of Occupied Channel Bandwidth | $U_c$ = ±2 % |
| Uncertainty of Dwell Time | $U_c$ = ±2 % |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### 3.5 List of Equipment Used

| ● RF Conducted Test System | | | | | | | |
|---|---|---|---|---|---|---|---|
| Used | Equipment No. | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ☒ | AGC-ER-E036 | Spectrum Analyzer | Agilent | N9020A | MY49100060 | 2025-05-08 | 2026-05-07 |
| ☒ | AGC-ER-E062 | Power Sensor | Agilent | U2021XA | MY54110007 | 2025-01-14 | 2026-01-13 |
| ☒ | AGC-ER-E063 | Power Sensor | Agilent | U2021XA | MY54110009 | 2025-01-14 | 2026-01-13 |
| ☒ | AGC-ER-A007 | 6dB Fixed Attenuator | Mini circuits | BW-S6-2W263A+ | N/A | 2025-01-30 | 2026-01-29 |
| ☒ | AGC-ER-E083 | Signal Generator | Agilent | E4421B | US39340815 | 2025-05-21 | 2026-05-20 |
| ☒ | N/A | RF Connection Cable | N/A | 1# | N/A | Each time | N/A |
| ☒ | N/A | RF Connection Cable | N/A | 2# | N/A | Each time | N/A |

| ● Radiated Spurious Emission | | | | | | | |
|---|---|---|---|---|---|---|---|
| Used | Equipment No. | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ☒ | AGC-EM-E046 | EMI Test Receiver | R&S | ESCI | 100096 | 2025-01-14 | 2026-01-13 |
| ☐ | AGC-EM-E116 | EMI Test Receiver | R&S | ESCI | 100034 | 2025-05-08 | 2026-05-07 |
| ☒ | AGC-EM-E061 | Spectrum Analyzer | Agilent | N9010A | MY53470504 | 2025-05-08 | 2026-05-07 |
| ☒ | AGC-EM-E086 | Loop Antenna | ZHINAN | ZN30900C | 18051 | 2024-03-05 | 2026-03-04 |
| ☒ | AGC-EM-E001 | Wideband Antenna | SCHWARZBECK | VULB9168 | D69250 | 2025-03-14 | 2027-03-13 |
| ☒ | AGC-EM-E029 | Broadband Ridged Horn Antenna | ETS | 3117 | 00034609 | 2025-03-27 | 2026-03-26 |
| ☒ | AGC-EM-E082 | Horn Antenna | SCHWARZBECK | BBHA 9170 | #768 | 2023-09-24 | 2025-09-23 |
| ☒ | AGC-EM-E082 | Horn Antenna | SCHWARZBECK | BBHA 9170 | #768 | 2025-09-05 | 2027-09-04 |
| ☒ | AGC-EM-E146 | Pre-amplifier | ETS | 3117-PA | 00246148 | 2024-07-24 | 2026-07-23 |
| ☒ | AGC-EM-A119 | 2.4GHz Filter | SongYi | N/A | N/A | 2025-05-16 | 2026-05-15 |
| ☒ | AGC-EM-A138 | 6dB Attenuator | Eeatsheep | LM-XX-6-5W | N/A | 2025-05-16 | 2027-05-15 |
| ☐ | AGC-EM-A139 | 6dB Attenuator | Eeatsheep | LM-XX-6-5W | N/A | 2025-05-16 | 2027-05-15 |

| ● AC Power Line Conducted Emission | | | | | | | |
|---|---|---|---|---|---|---|---|
| Used | Equipment No. | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ☒ | AGC-EM-E116 | Test Receiver | R&S | ESCI | 100034 | 2025-05-08 | 2026-05-07 |
| ☒ | AGC-EM-A171 | Attenuator | Mini-Circuits | UNAT-10A+ | N/A | 2024-02-01 | 2026-01-31 |
| ☒ | AGC-EM-E023 | AMN | R&S | ESH2-Z5 | 100086 | 2025-05-08 | 2026-05-07 |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

| ● Test Software | | | | | |
|---|---|---|---|---|---|
| Used | Equipment No. | Test Equipment | Manufacturer | Model No. | Version Information |
| ☒ | AGC-EM-S001 | CE Test System | R&S | ES-K1 | V1.71 |
| ☒ | AGC-EM-S003 | RE Test System | FARA | EZ-EMC | VRA-03A |
| ☒ | AGC-ER-S012 | BT/WIFI Test System | Tonscend | JS1120-2 | 2.6 |
| ☒ | AGC-EM-S011 | RSE Test System | Tonscend | TS+-Ver2.1(JS36-RSE) | 4.0.0.0 |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 4.System Test Configuration

## 4.1 EUT Configuration

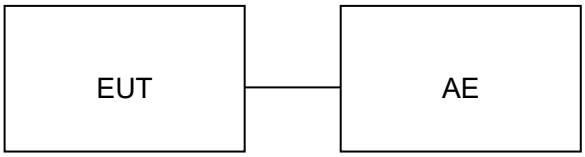
The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

## 4.2 EUT Exercise

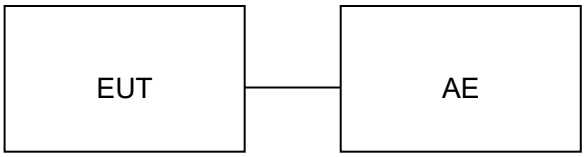
The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

## 4.3 Configuration of Tested System

Radiated Emission Configure:




Conducted Emission Configure:




## 4.4 Equipment Used in Tested System

The following peripheral devices and interface cables were connected during the measurement:

☒ Test Accessories Come From The Laboratory

| No. | Equipment | Manufacturer | Model No. | Specification Information | Cable |
|---|---|---|---|---|---|
| 1 | Control Box | RISYM | USB-TTL | -- | -- |
| 2 | Notebook PC | Redmi | XMA2002-AB | -- | -- |

☒ Test Accessories Come From The Manufacturer

| No. | Equipment | Manufacturer | Model No. | Specification Information | Cable |
|---|---|---|---|---|---|
| 1 | Adapter | Zhuzhou Dachuan Electronic Technology Co., Ltd. | DCT06W050100US-C1 | Input:100-240V~ 50/60Hz 200mA<br>Output: DC 5.0V 1.0A | -- |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

**4.5 Summary of Test Results**

| Item | FCC Rules | Description of Test | Result |
|---|---|---|---|
| 1 | §15.203&15.247(b)(4) | Antenna Equipment | Pass |
| 2 | §15.247 (b)(1) | RF Output Power | Pass |
| 3 | §15.247 (a)(1) | 6 dB Bandwidth | Pass |
| 4 | §15.247 (e) | Power Spectral Density | Pass |
| 5 | §15.247 (d) | Conducted Band Edge and Out-of-Band Emissions | Pass |
| 6 | §15.247 (d)&15.209 | Radiated Spurious Emission | Pass |
| 7 | §15.207 | AC Power Line Conducted Emission | Pass |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## 5. Description of Test Modes

| Summary table of Test Cases | |
|---|---|
| Test Item | Data Rate / Modulation |
| | 2.4G WLAN – 802.11b/g/n/ax (DSSS/OFDM/OFDMA) |
| Radiated Test Cases | Mode 1: 802.11b_TX CH01_2412 MHz_1 Mbps (Powered-by AC/DC adapter)<br>Mode 2: 802.11b_TX CH06_2437 MHz_1 Mbps (Powered-by AC/DC adapter)<br>Mode 3: 802.11b_TX CH11_2462 MHz_1 Mbps (Powered-by AC/DC adapter)<br>Mode 4: 802.11g_TX CH01_2412 MHz_6 Mbps (Powered-by AC/DC adapter)<br>Mode 5: 802.11g_TX CH06_2437 MHz_6 Mbps (Powered-by AC/DC adapter)<br>Mode 6: 802.11g_TX CH11_2462 MHz_6 Mbps (Powered-by AC/DC adapter)<br>Mode 7: 802.11n-HT20_TX CH01_2412 MHz_MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 8: 802.11n-HT20_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 9: 802.11n-HT20_TX CH11_2462 MHz_ MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 10: 802.11ax-HE20_TX CH01_2412 MHz_MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 11: 802.11ax-HE20_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 12: 802.11ax-HE20_TX CH11_2462 MHz_ MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 13: 802.11n-HT40_TX CH03_2422 MHz_MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 14: 802.11n-HT40_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 15: 802.11n-HT40_TX CH09_2452 MHz_ MCS0 Mbps(Powered-by AC/DC adapter)<br>Mode 16: 802.11ax-HE40_TX CH03_2422 MHz_MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 17: 802.11ax-HE40_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by AC/DC adapter)<br>Mode 18: 802.11ax-HE40_TX CH09_2452 MHz_ MCS0 Mbps (Powered-by AC/DC adapter) |
| RF Conducted Test Cases | Mode 1: 802.11b_TX CH01_2412 MHz_1 Mbps (Powered-by Control Box)<br>Mode 2: 802.11b_TX CH06_2437 MHz_1 Mbps (Powered-by Control Box)<br>Mode 3: 802.11b_TX CH11_2462 MHz_1 Mbps (Powered-by Control Box)<br>Mode 4: 802.11g_TX CH01_2412 MHz_6 Mbps (Powered-by Control Box)<br>Mode 5: 802.11g_TX CH06_2437 MHz_6 Mbps (Powered-by Control Box)<br>Mode 6: 802.11g_TX CH11_2462 MHz_6 Mbps (Powered-by Control Box)<br>Mode 7: 802.11n-HT20_TX CH01_2412 MHz_MCS0 Mbps (Powered-by Control Box)<br>Mode 8: 802.11n-HT20_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 9: 802.11n-HT20_TX CH11_2462 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 10: 802.11ax-HE20_TX CH01_2412 MHz_MCS0 Mbps (Powered-by Control Box)<br>Mode 11: 802.11ax-HE20_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 12: 802.11ax-HE20_TX CH11_2462 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 13: 802.11n-HT40_TX CH03_2422 MHz_MCS0 Mbps (Powered-by Control Box)<br>Mode 14: 802.11n-HT40_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 15: 802.11n-HT40_TX CH09_2452 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 16: 802.11ax-HE40_TX CH03_2422 MHz_MCS0 Mbps (Powered-by Control Box)<br>Mode 17: 802.11ax-HE40_TX CH06_2437 MHz_ MCS0 Mbps (Powered-by Control Box)<br>Mode 18: 802.11ax-HE40_TX CH09_2452 MHz_ MCS0 Mbps (Powered-by Control Box) |
| AC Conducted Emission | Mode 1: 2.4G WLAN Link + USB Cable (Charging from AC Adapter) |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Note:
1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.
4. The manufacturer of RF external cable claims that the cable loss is 0.5dB, and the cable loss and attenuator have been compensated into the Corrections Configuration of measuring equipment.
5. Input correction factor includes external cable loss and attenuator amplitude compensation. The formula is: Input compensation coefficient (dB) = Cable Loss (dB) + Attenuator attenuation value (dB)

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## 6. Duty Cycle Measurement

2.4GHz WLAN (DTS) operation is possible in 20MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = Average. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

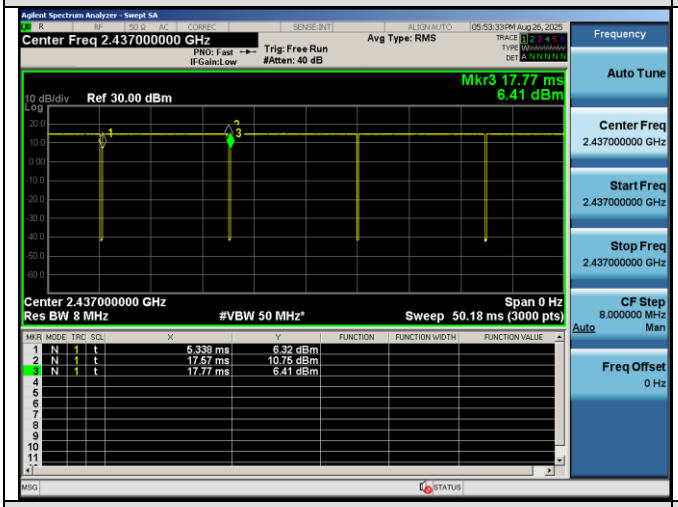
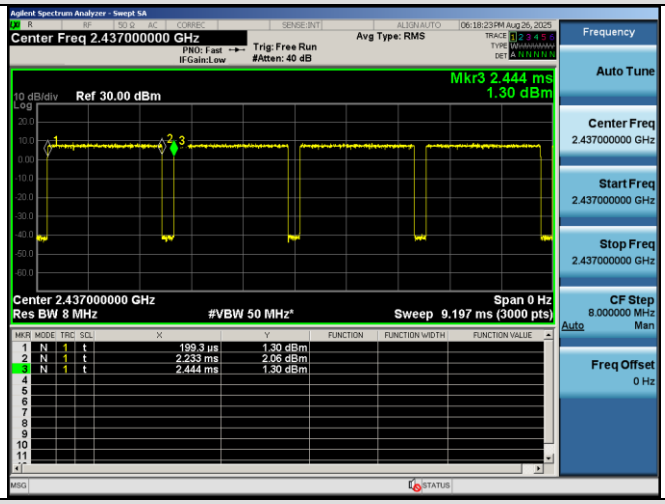
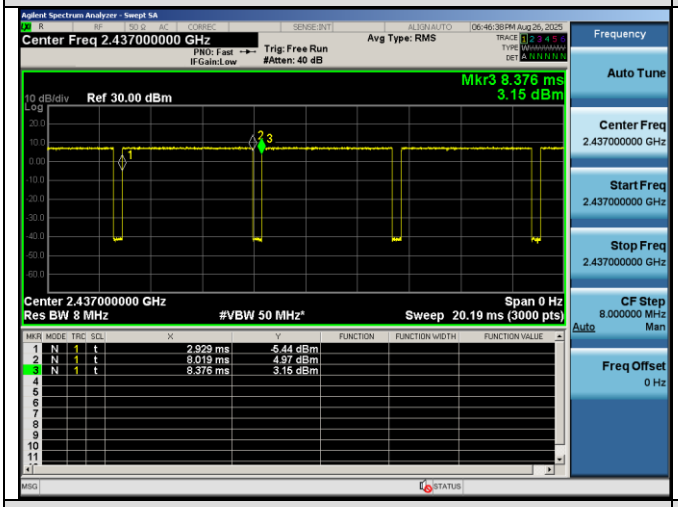
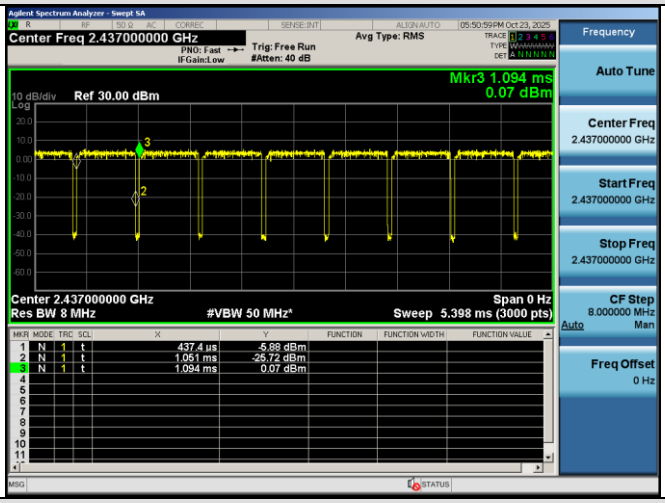
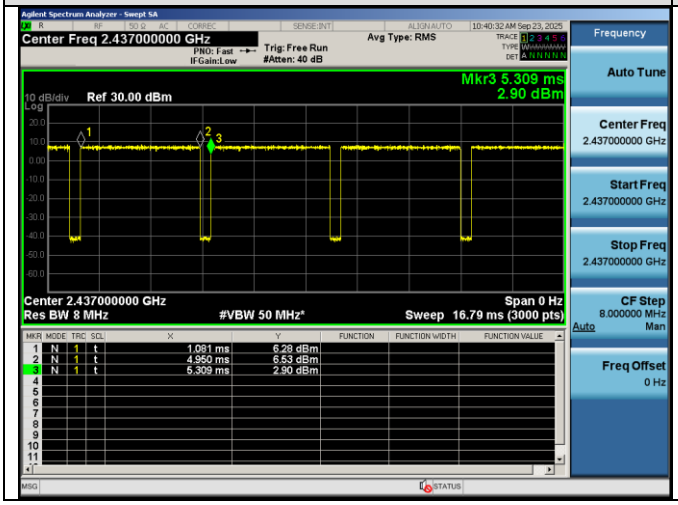
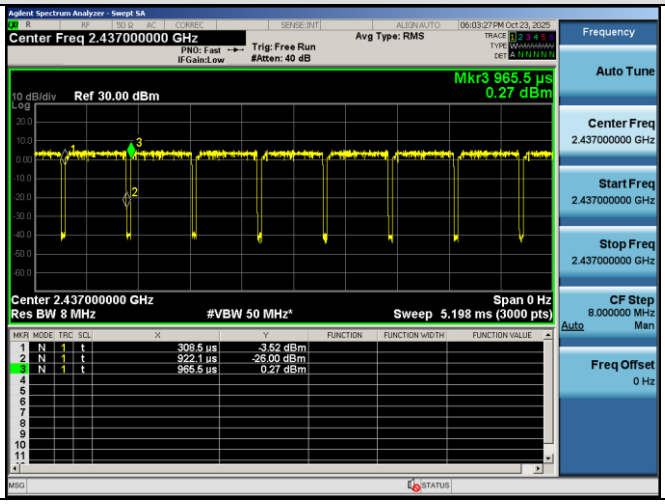
| Operating mode | Data rates (Mbps) | Duty Cycle (%) | Duty Cycle Factor (dB) |
|---|---|---|---|
| IEEE 802.11b | 1 | 98.39 | 0.07 |
| IEEE 802.11g | 6 | 90.60 | 0.43 |
| IEEE 802.11n-HT20 | MCS0 | 93.45 | 0.29 |
| IEEE 802.11n-HT40 | MCS0 | 93.45 | 0.29 |
| IEEE 802.11ax-HE20 | MCS0 | 91.51 | 0.39 |
| IEEE 802.11ax-HE40 | MCS0 | 93.39 | 0.30 |

Remark:

1. Duty Cycle factor = 10 * log (1/ Duty cycle)
2. The duty cycle of each frequency band mode reflects the determination requirements of the Middle channel measurement value.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

- The test plots as follows:

| IEEE 802.11b | IEEE 802.11g |
|---|---|
|  |  |
| **IEEE 802.11n-HT20** | **IEEE 802.11n-HT40** |
|  |  |
| **IEEE 802.11ax-HE20** | **IEEE 802.11ax-HE40** |
|  |  |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 7. RF Output Power Measurement

## 7.1 Provisions Applicable

For DTSs employing digital modulation techniques operating in the bands 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W.

## 7.2 Measurement Procedure

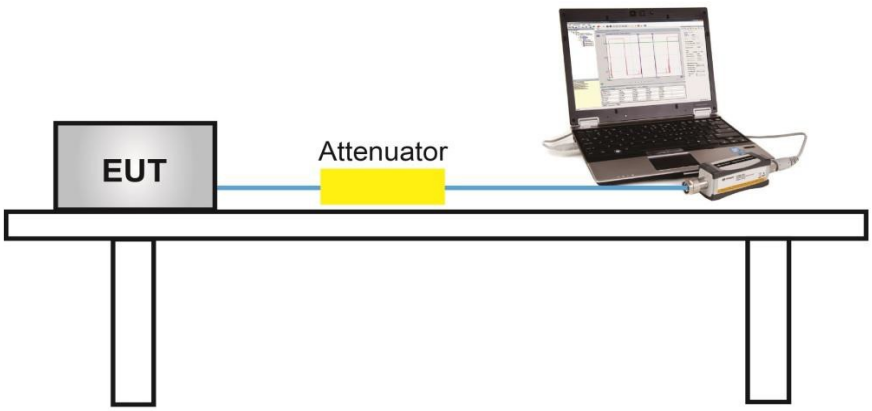
☒Method PM is Measurement using an RF Peak power meter. The procedure for this method is as follows:

1. The testing follows the ANSI C63.10 Section 11.9.1.3
2. The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

☒Method PM is Measurement using an RF AV power meter. The procedure for this method is as follows:

1. The testing follows the ANSI C63.10 Section 11.9.2.3
2. Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
3. The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
4. At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
5. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
6. Determine according to the duty cycle of the equipment: when it is less than 98%, follow the steps below.
7. Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
8. Adjust the measurement in dBm by adding [10 log (1 / D)], where D is the duty cycle {e.g., [10 log (1 / 0.25)], if the duty cycle is 25%}.
9. Record the test results in the report.

## 7.3 Measurement Setup (Block Diagram of Configuration)




Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### 7.4 Measurement Result

| Test Data of Conducted Output Power | | | | | |
|---|---|---|---|---|---|
| Test Mode | Test Frequency (MHz) | Average Power (dBm) | Peak Power (dBm) | Limits (dBm) | Result |
| 802.11b | 2412 | 15.72 | 18.34 | ≤30 | Pass |
| | 2437 | 15.98 | 18.65 | ≤30 | Pass |
| | 2462 | 16.18 | 18.86 | ≤30 | Pass |
| 802.11g | 2412 | 10.47 | 18.26 | ≤30 | Pass |
| | 2437 | 10.26 | 17.97 | ≤30 | Pass |
| | 2462 | 10.04 | 17.76 | ≤30 | Pass |
| 802.11n20 | 2412 | 10.80 | 18.04 | ≤30 | Pass |
| | 2437 | 10.17 | 17.66 | ≤30 | Pass |
| | 2462 | 10.02 | 17.41 | ≤30 | Pass |
| 802.11n40 | 2422 | 9.99 | 17.54 | ≤30 | Pass |
| | 2437 | 10.02 | 17.73 | ≤30 | Pass |
| | 2452 | 9.78 | 17.45 | ≤30 | Pass |
| 802.11ax20 | 2412 | 10.40 | **19.68** | ≤30 | Pass |
| | 2437 | 10.32 | 18.98 | ≤30 | Pass |
| | 2462 | 10.15 | 18.95 | ≤30 | Pass |
| 802.11ax40 | 2422 | 9.92 | 17.62 | ≤30 | Pass |
| | 2437 | 10.02 | 17.62 | ≤30 | Pass |
| | 2452 | 9.79 | 17.46 | ≤30 | Pass |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 8. 6dB Bandwidth Measurement

## 8.1 Provisions Applicable

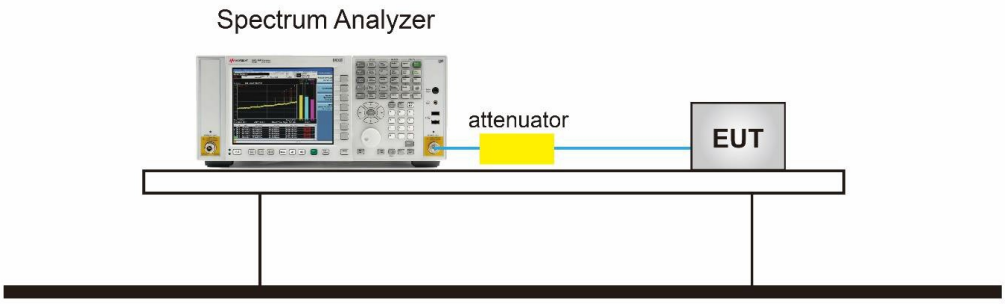
The minimum 6dB bandwidth shall be 500 kHz.

## 8.2 Measurement Procedure

- The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.2 (6dB BW).

1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. For 6dB Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz, Set the Video bandwidth (VBW) ≥ 3 × RBW, In order to make an accurate measurement.
4. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the OBW and set the Video bandwidth (VBW) ≥ 3 * RBW.
5. Detector = peak
6. Trace mode = max hold.
7. Sweep = auto couple.
8. Allow the trace to stabilize.
9. Measure and record the results in the test report.

## 8.3 Measurement Setup (Block Diagram of Configuration)



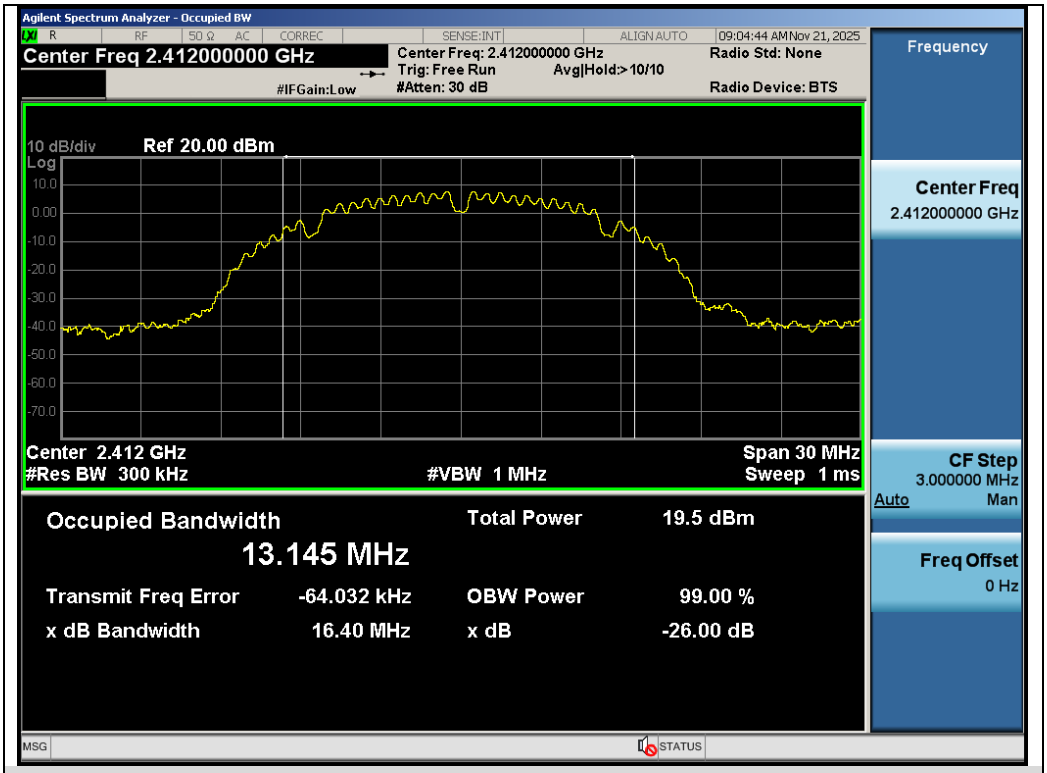

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### 8.4 Measurement Result

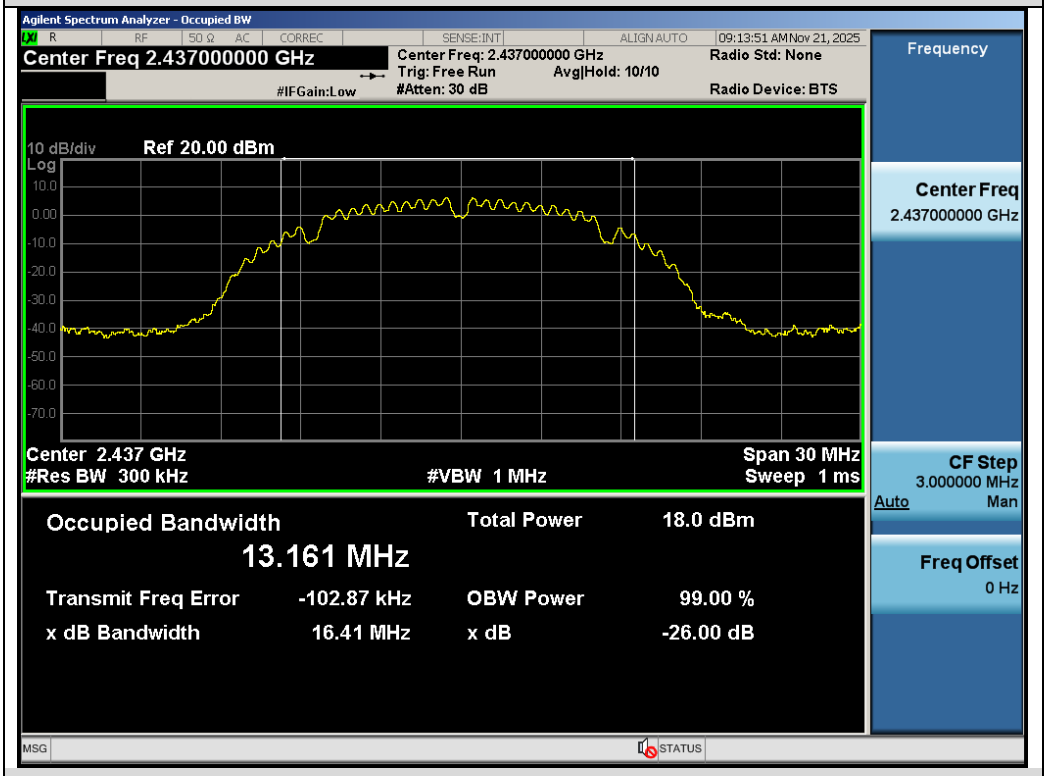
| Test Data of Occupied Bandwidth and DTS Bandwidth | | | | | |
|---|---|---|---|---|---|
| Test Mode | Test Channel (MHz) | 99% Occupied Bandwidth (MHz) | -6dB Bandwidth (MHz) | Limits (MHz) | Pass or Fail |
| 802.11b | 2412 | 13.145 | 9.253 | ≥0.5 | Pass |
| | 2437 | 13.161 | 9.259 | ≥0.5 | Pass |
| | 2462 | 13.163 | 9.256 | ≥0.5 | Pass |
| 802.11g | 2412 | 17.207 | 16.479 | ≥0.5 | Pass |
| | 2437 | 17.184 | 16.464 | ≥0.5 | Pass |
| | 2462 | 17.197 | 16.475 | ≥0.5 | Pass |
| 802.11n20 | 2412 | 18.202 | 17.703 | ≥0.5 | Pass |
| | 2437 | 18.205 | 17.694 | ≥0.5 | Pass |
| | 2462 | 18.212 | 17.655 | ≥0.5 | Pass |
| 802.11n40 | 2422 | 36.638 | 36.451 | ≥0.5 | Pass |
| | 2437 | 36.640 | 36.454 | ≥0.5 | Pass |
| | 2452 | 36.657 | 36.465 | ≥0.5 | Pass |
| 802.11ax20 | 2412 | 18.197 | 17.687 | ≥0.5 | Pass |
| | 2437 | 18.208 | 17.687 | ≥0.5 | Pass |
| | 2462 | 18.217 | 17.694 | ≥0.5 | Pass |
| 802.11ax40 | 2422 | 36.582 | 36.467 | ≥0.5 | Pass |
| | 2437 | 36.635 | 36.436 | ≥0.5 | Pass |
| | 2452 | 36.654 | 36.478 | ≥0.5 | Pass |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## Test Graphs of Occupied Bandwidth

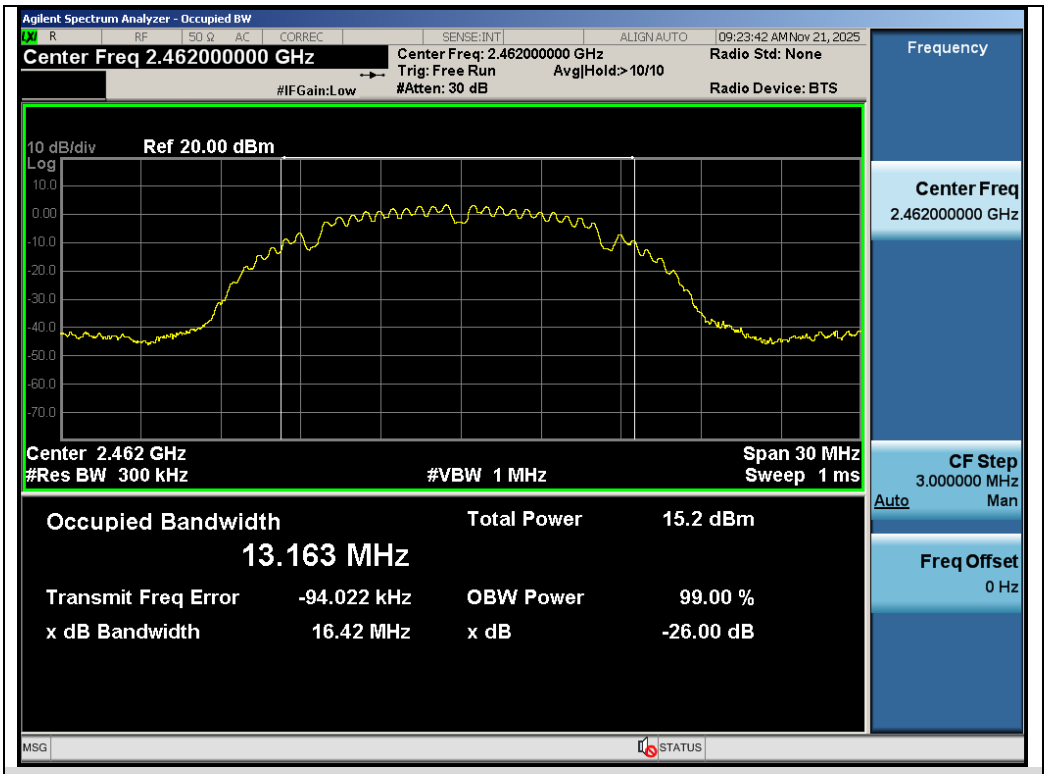



Test_Graph_802.11b_ANT1_2412_1Mbps_OBW

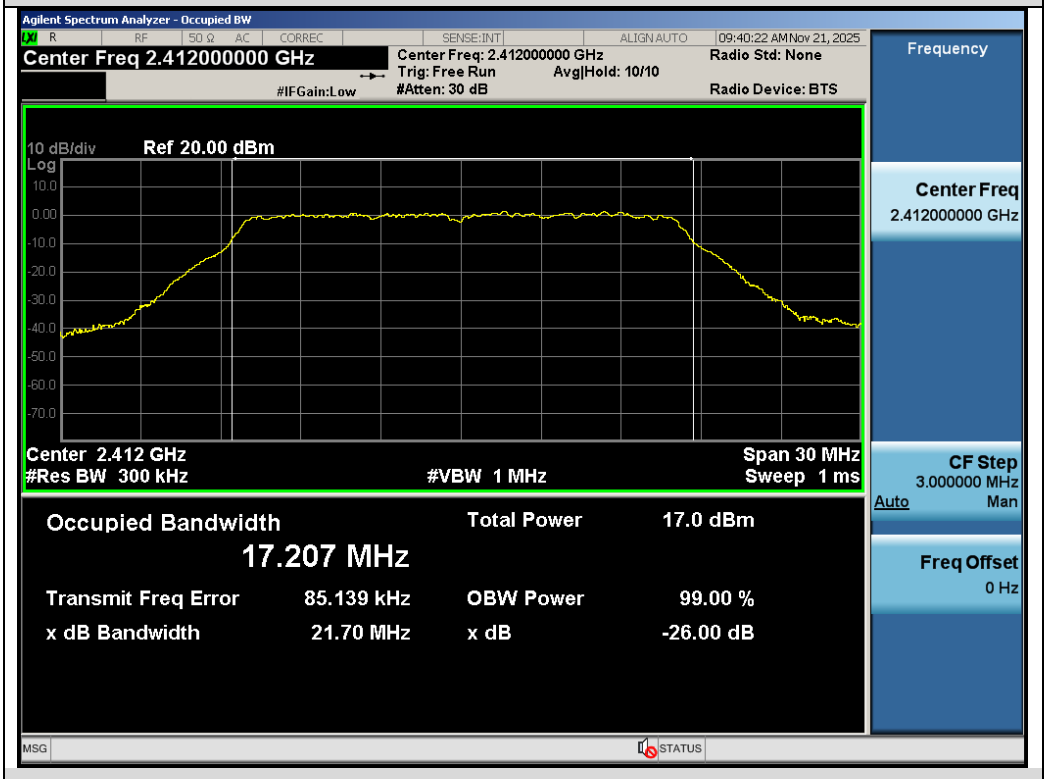



Test_Graph_802.11b_ANT1_2437_1Mbps_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

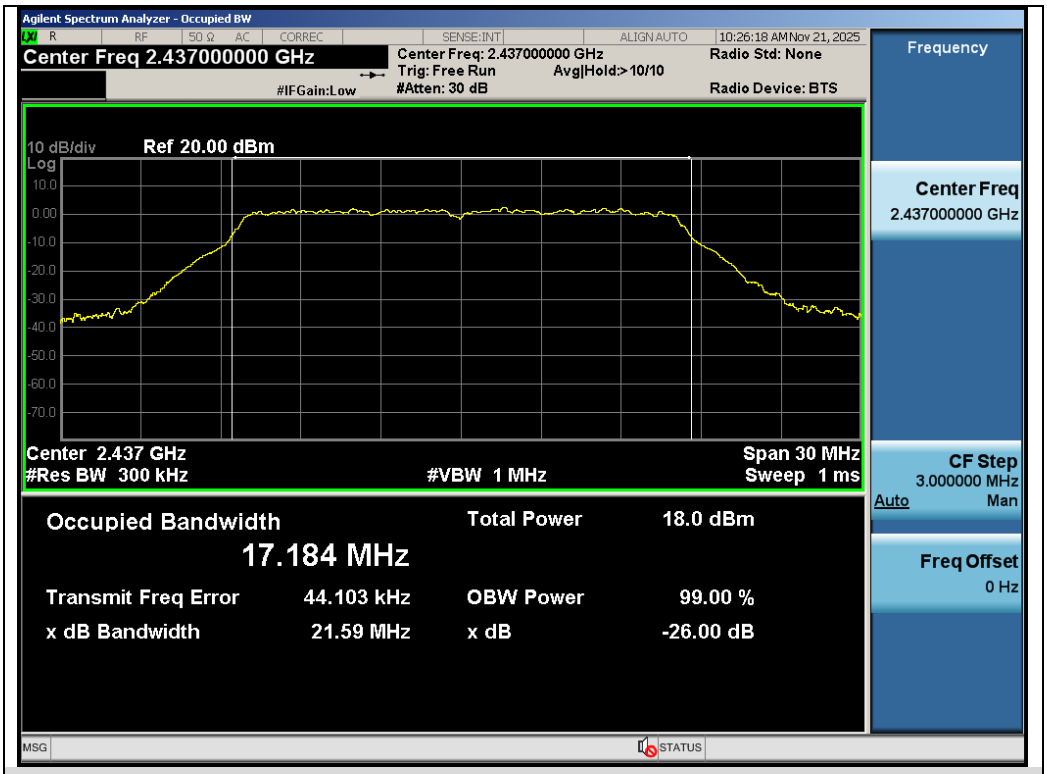



Test_Graph_802.11b_ANT1_2462_1Mbps_OBW

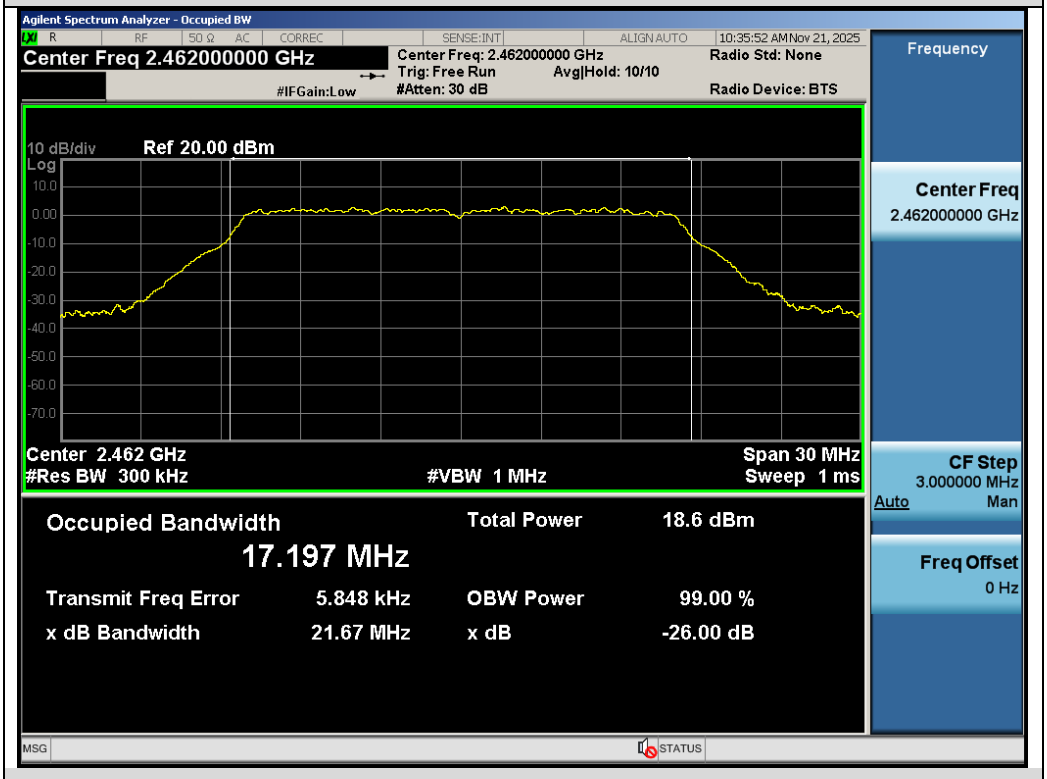



Test_Graph_802.11g_ANT1_2412_6Mbps_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

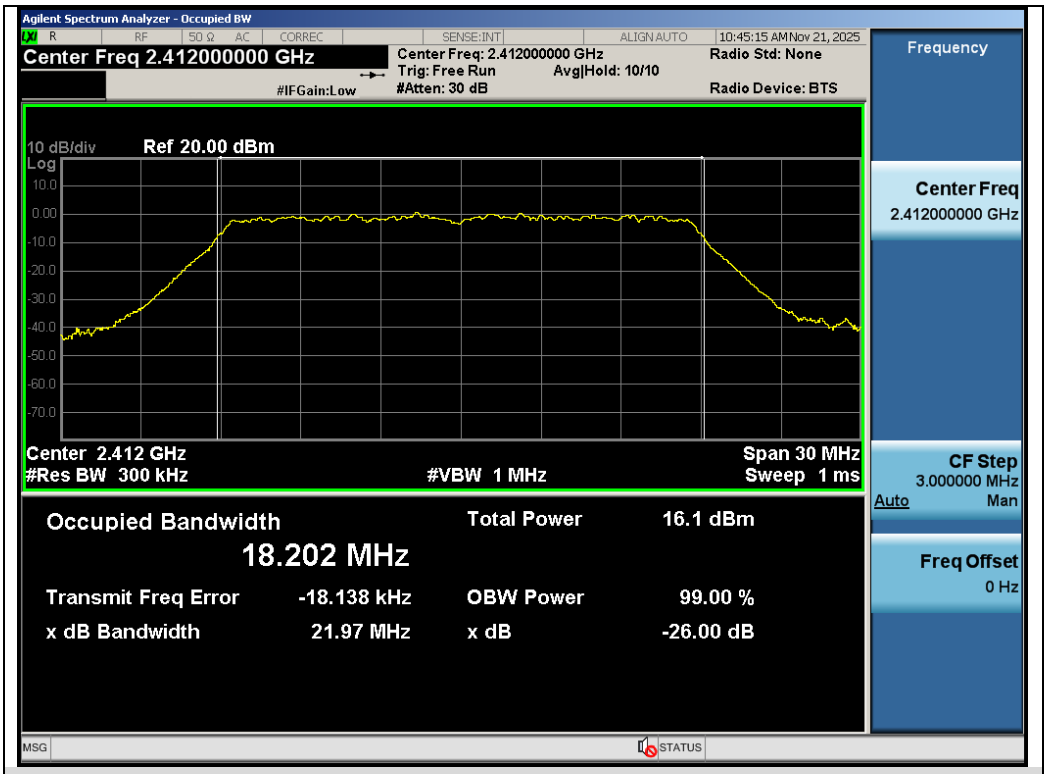



Test_Graph_802.11g_ANT1_2437_6Mbps_OBW

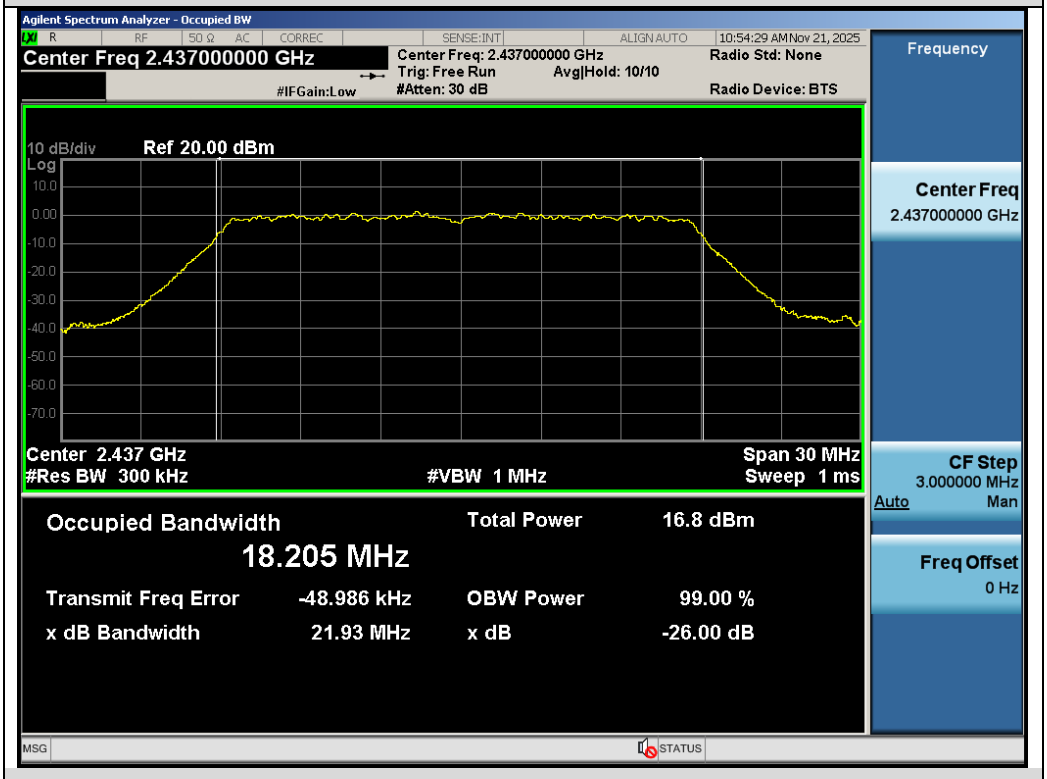



Test_Graph_802.11g_ANT1_2462_6Mbps_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

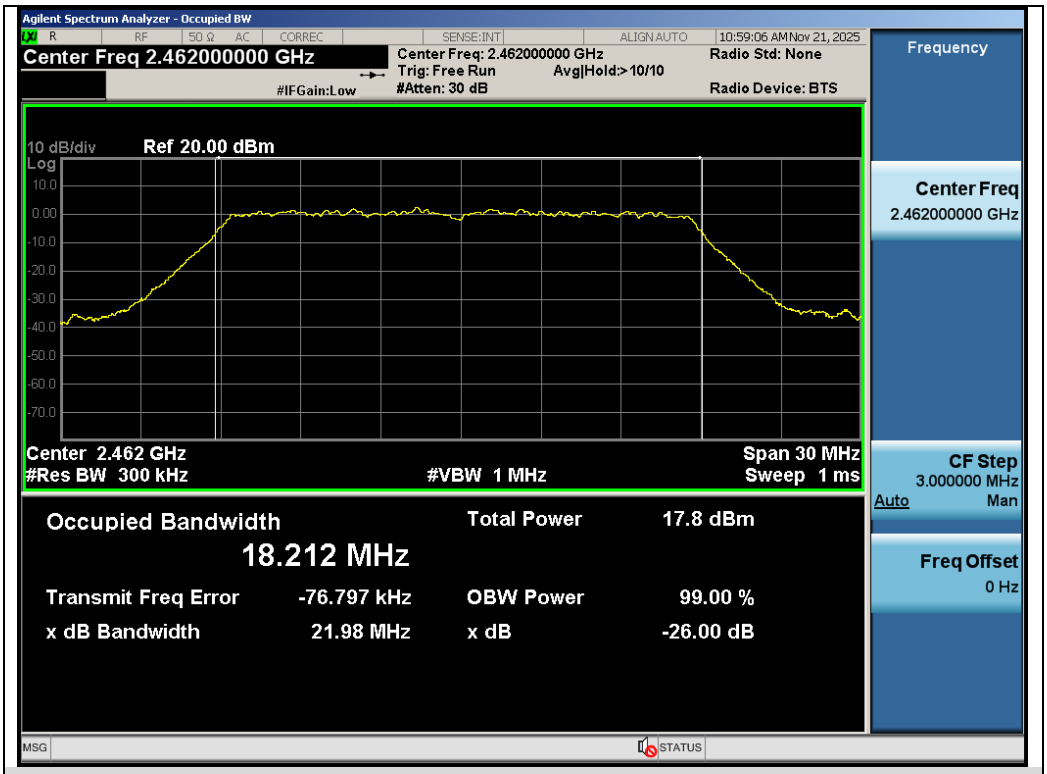



Test_Graph_802.11n20_ANT1_2412_MCS0_OBW

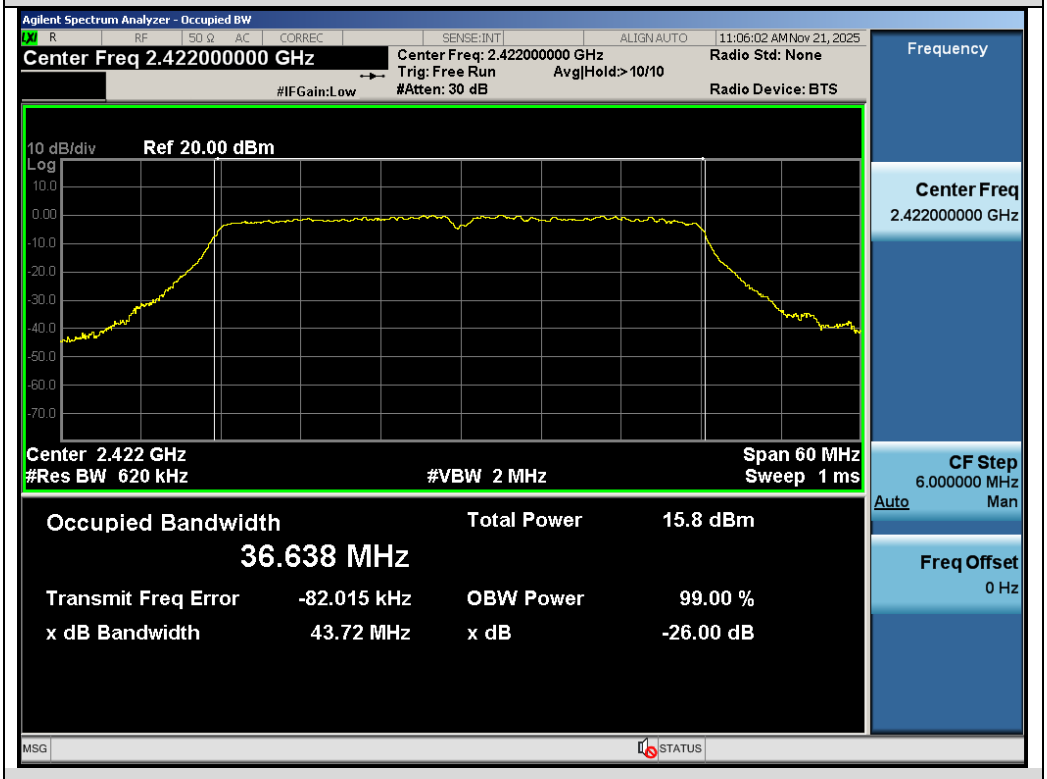



Test_Graph_802.11n20_ANT1_2437_MCS0_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

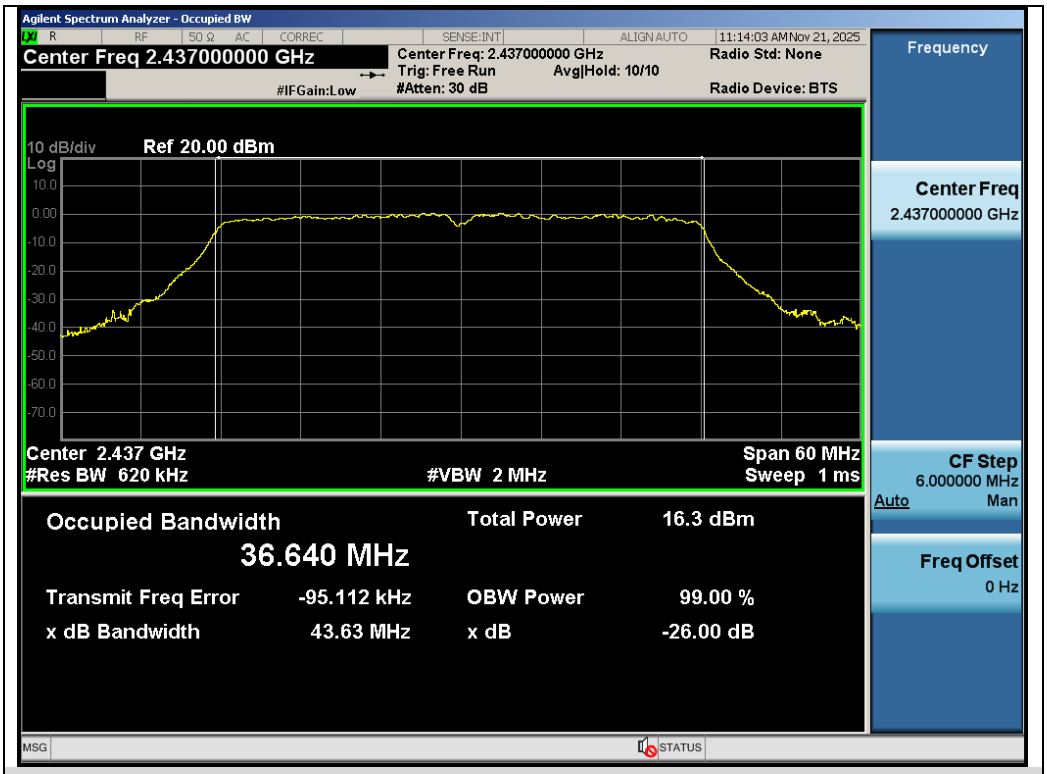



Test_Graph_802.11n20_ANT1_2462_MCS0_OBW

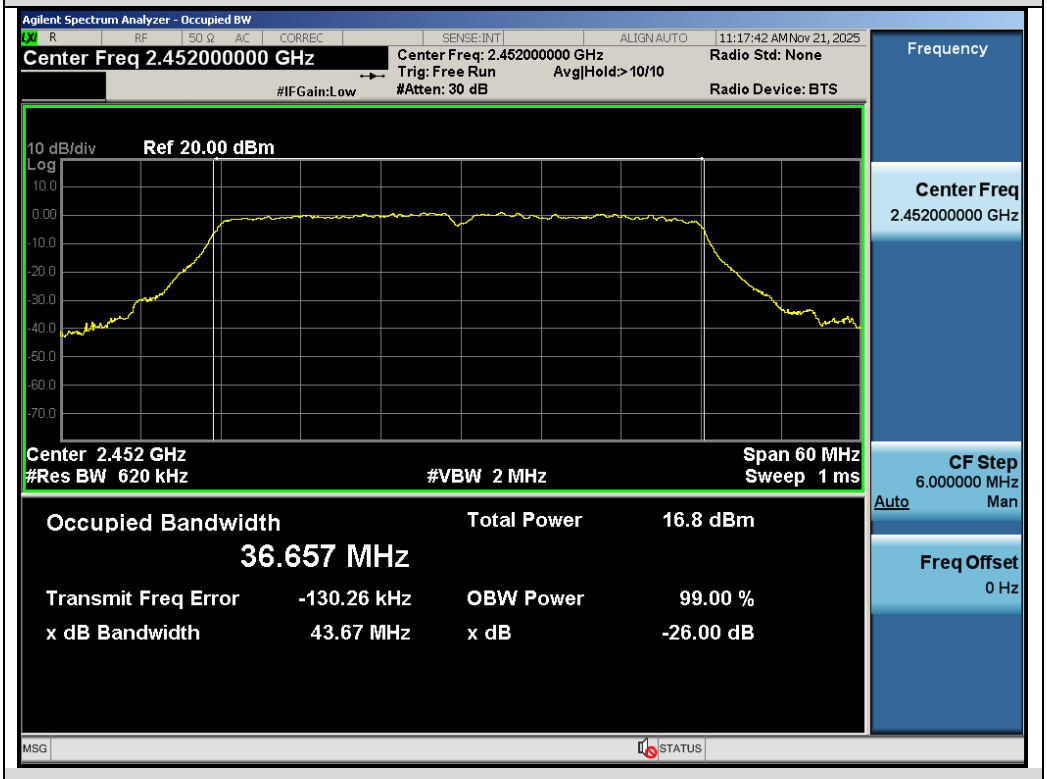



Test_Graph_802.11n40_ANT1_2422_MCS0_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

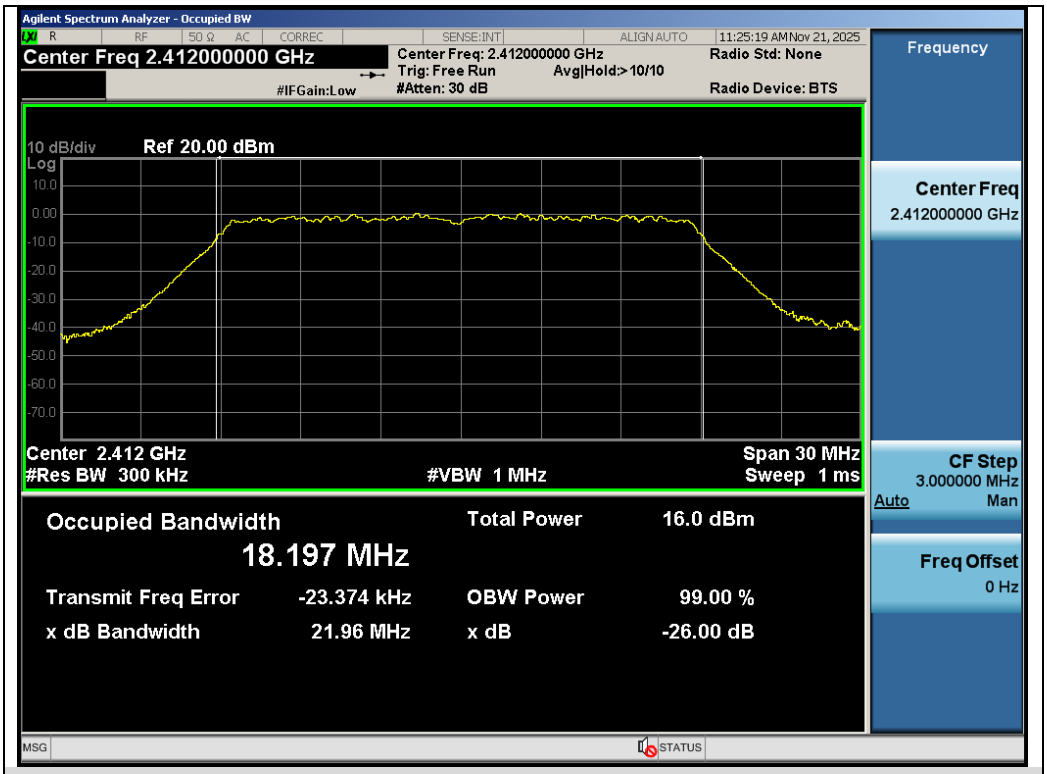



Test_Graph_802.11n40_ANT1_2437_MCS0_OBW

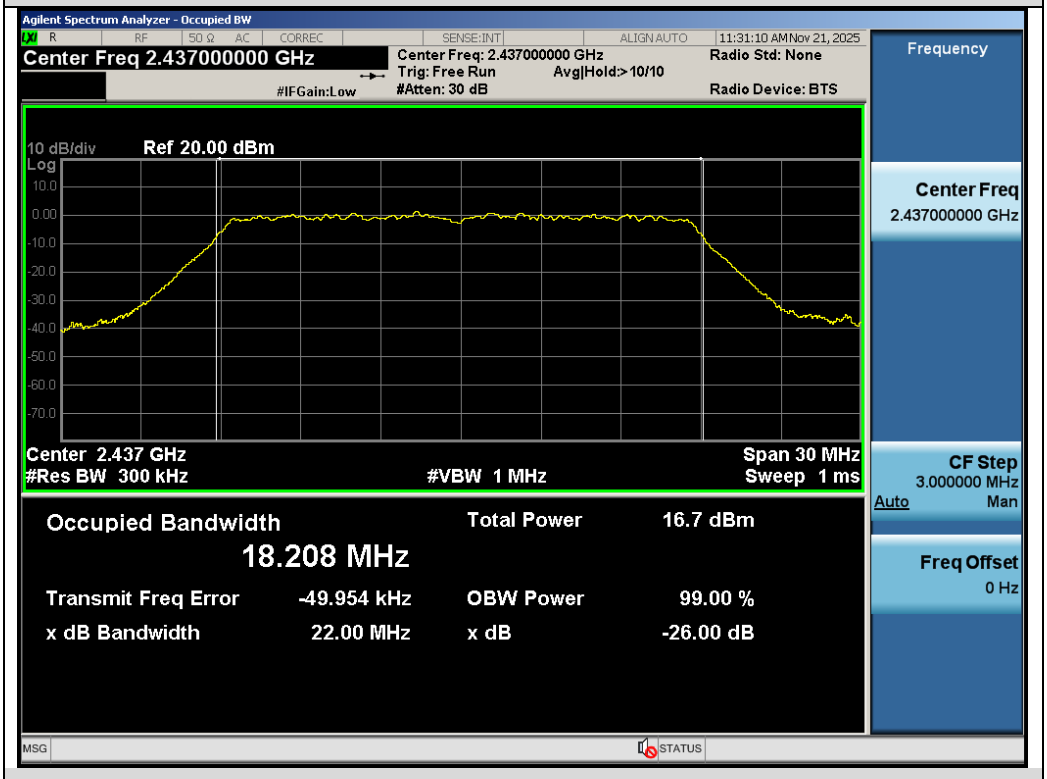



Test_Graph_802.11n40_ANT1_2452_MCS0_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

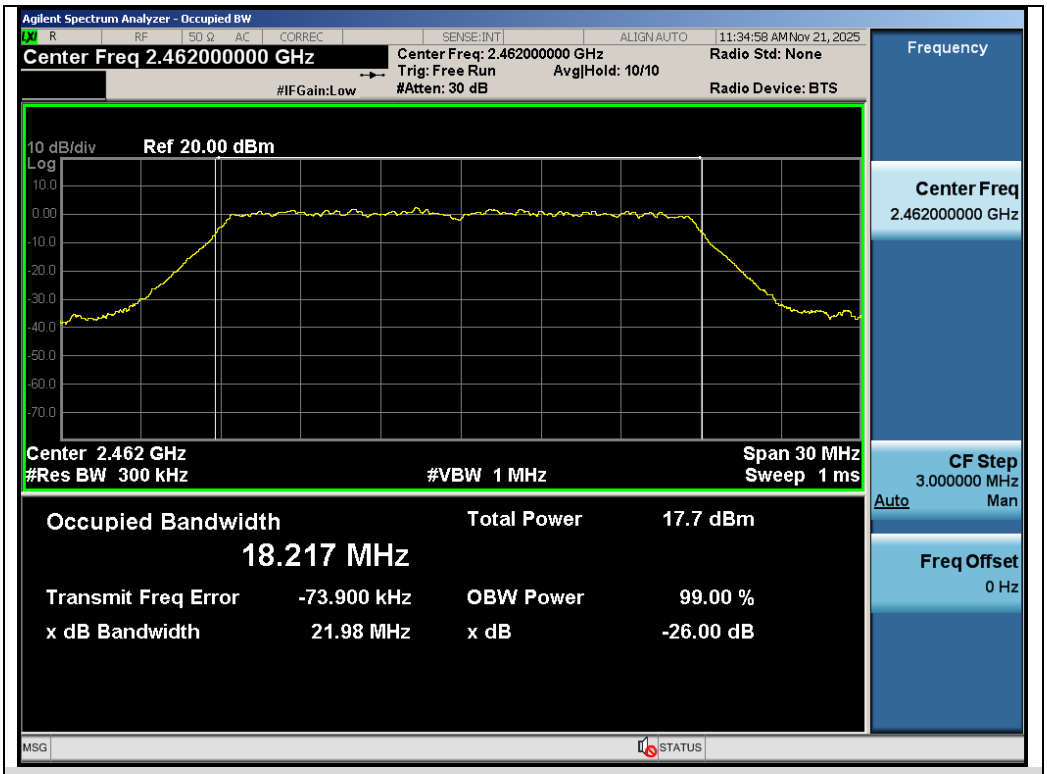



Test_Graph_802.11ax20_ANT1_2412_MCS0_OBW

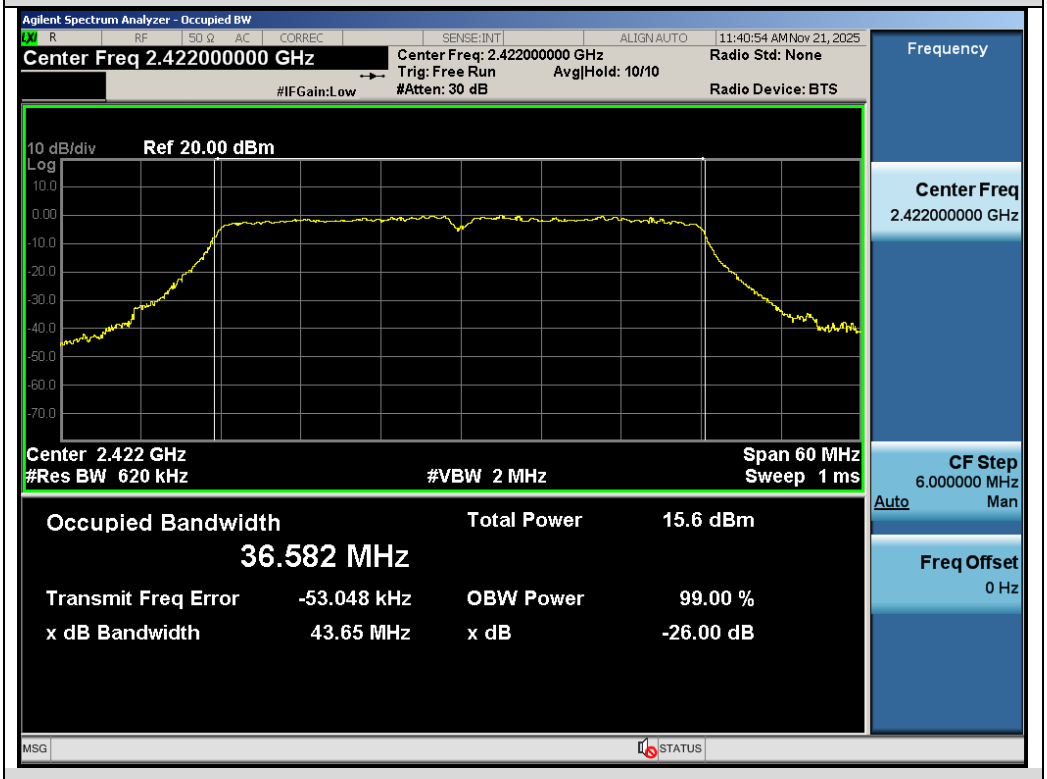



Test_Graph_802.11ax20_ANT1_2437_MCS0_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

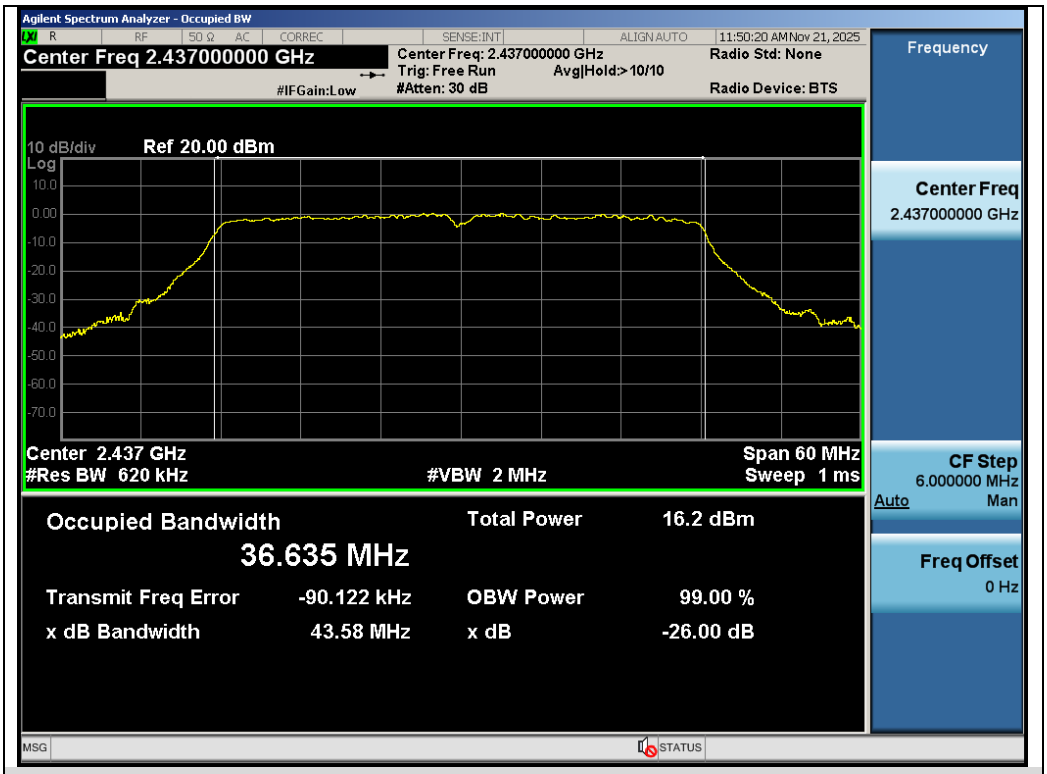



Test_Graph_802.11ax20_ANT1_2462_MCS0_OBW

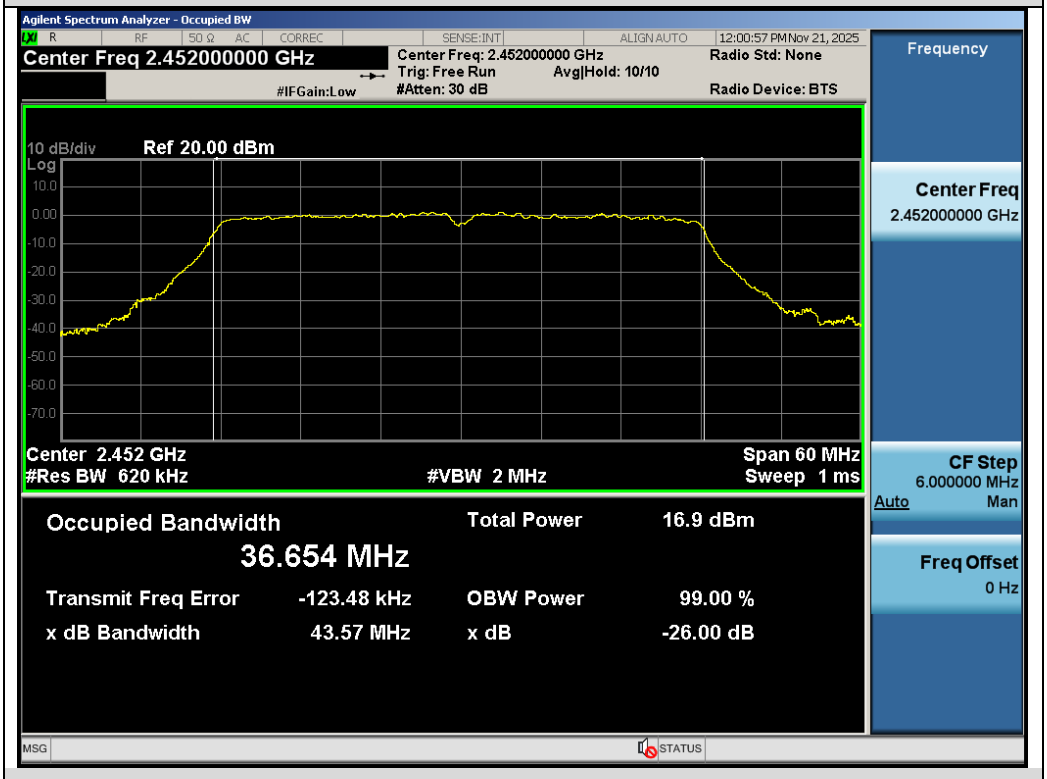



Test_Graph_802.11ax40_ANT1_2422_MCS0_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.



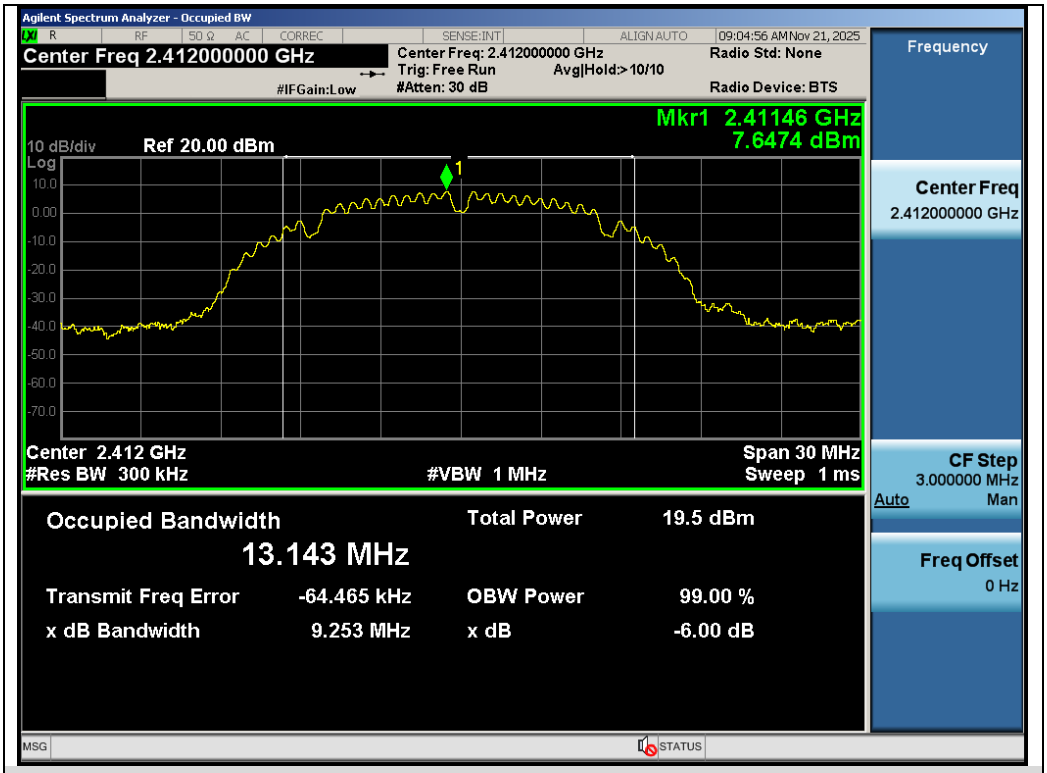

Test_Graph_802.11ax40_ANT1_2437_MCS0_OBW



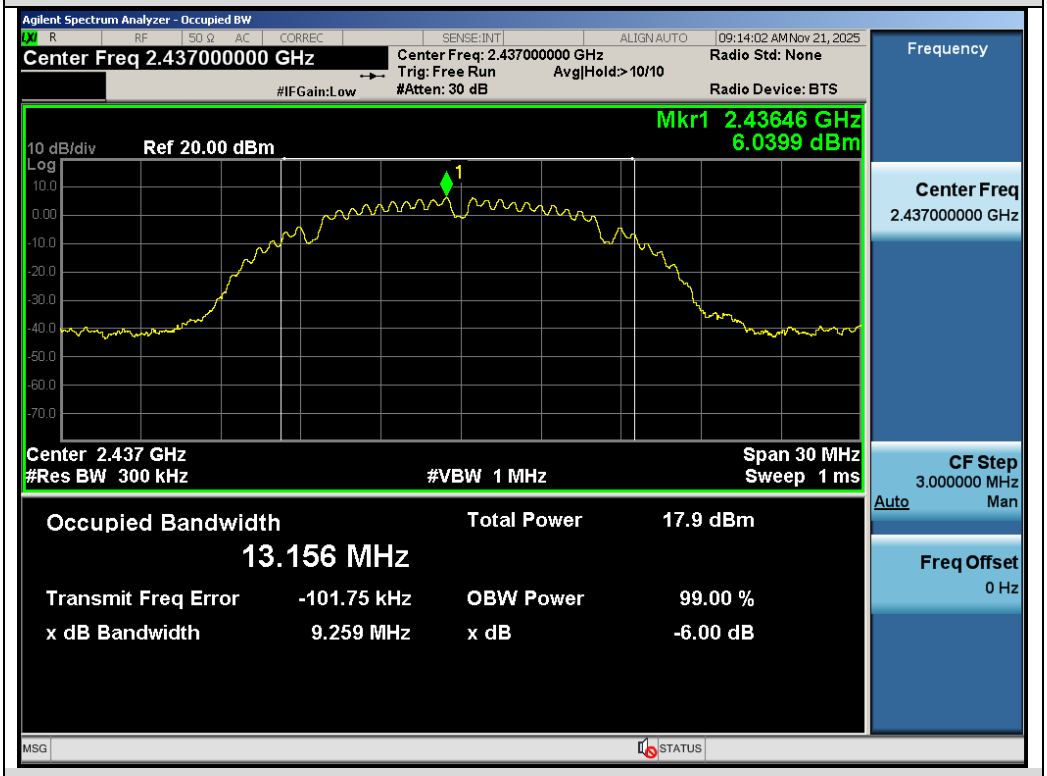

Test_Graph_802.11ax40_ANT1_2452_MCS0_OBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## Test Graphs of DTS Bandwidth

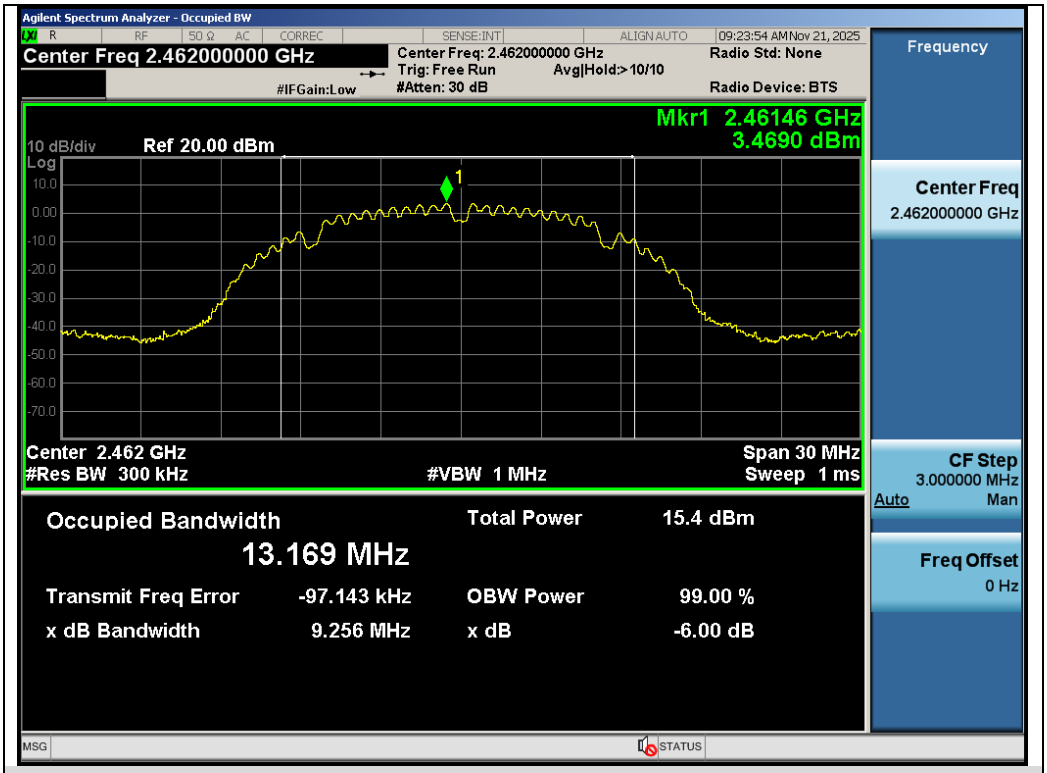



Test_Graph_802.11b_ANT1_2412_1Mbps_DTSBW

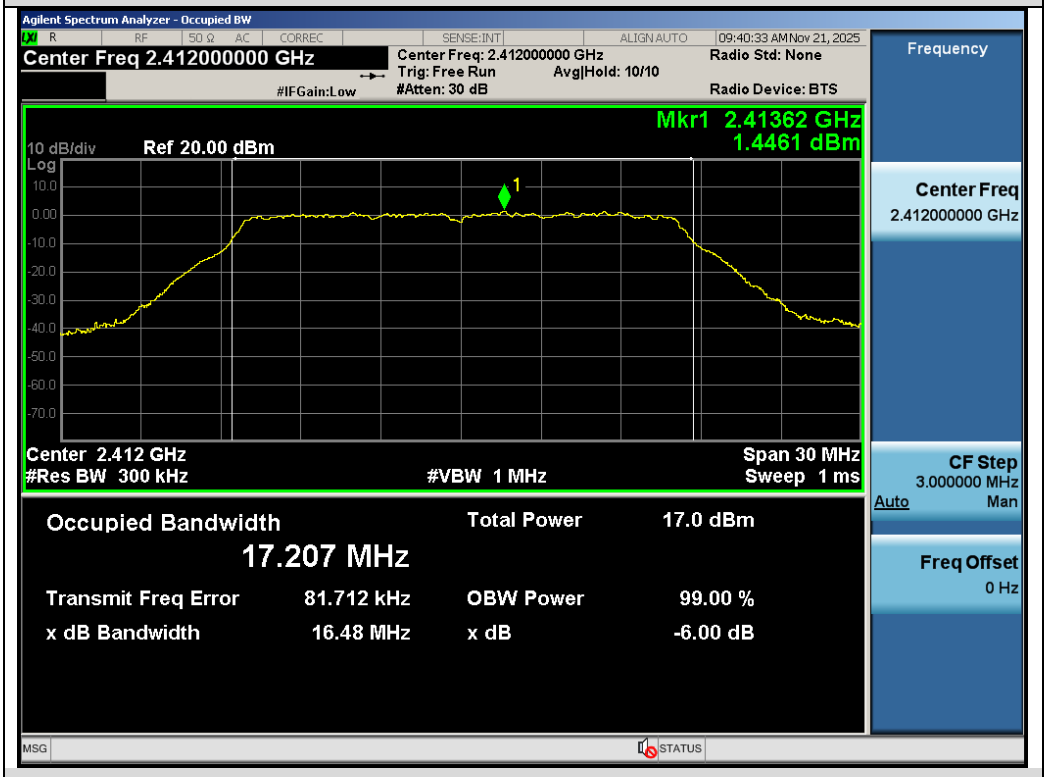



Test_Graph_802.11b_ANT1_2437_1Mbps_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

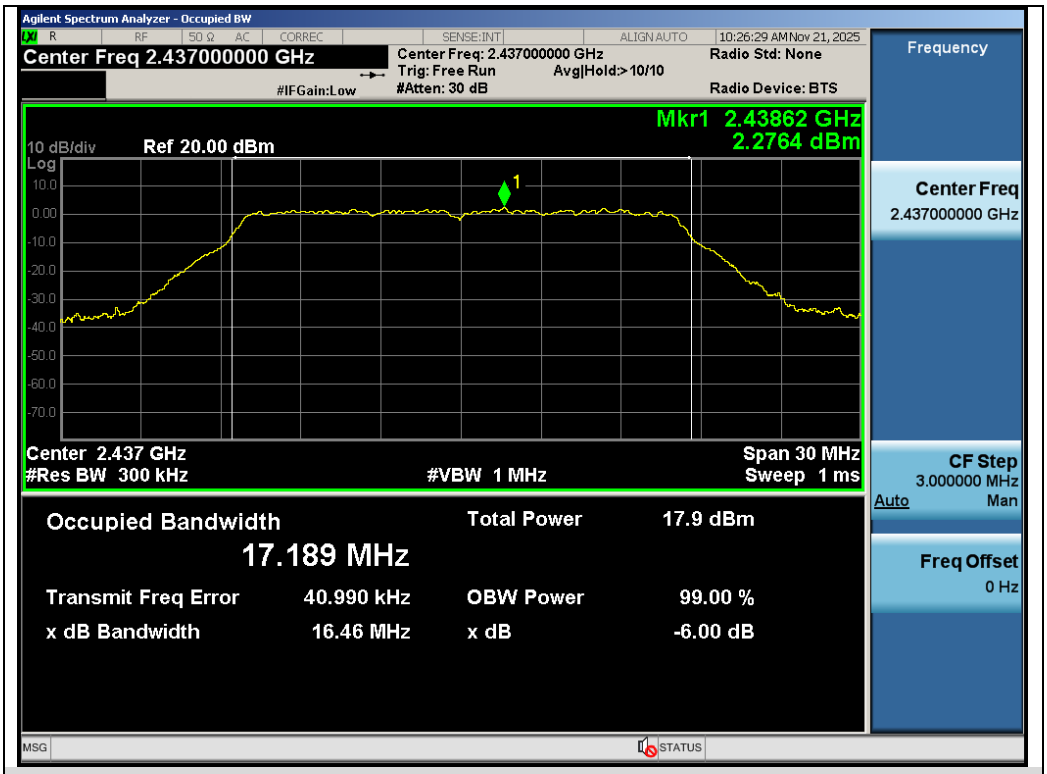



Test_Graph_802.11b_ANT1_2462_1Mbps_DTSBW

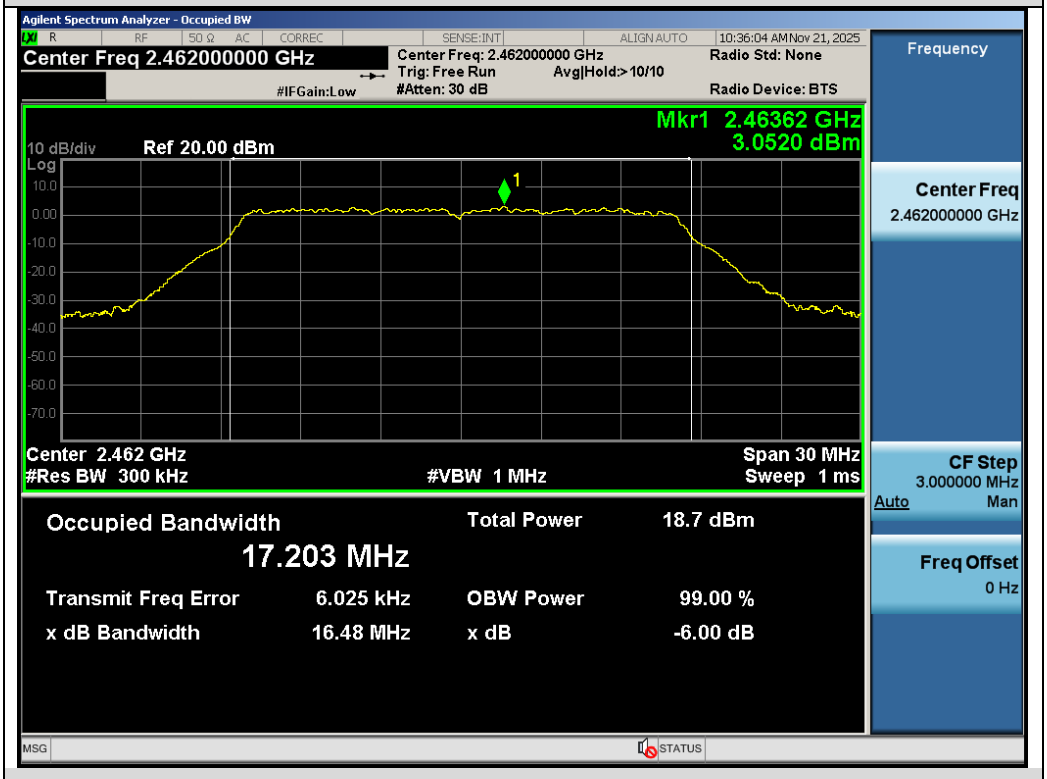



Test_Graph_802.11g_ANT1_2412_6Mbps_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

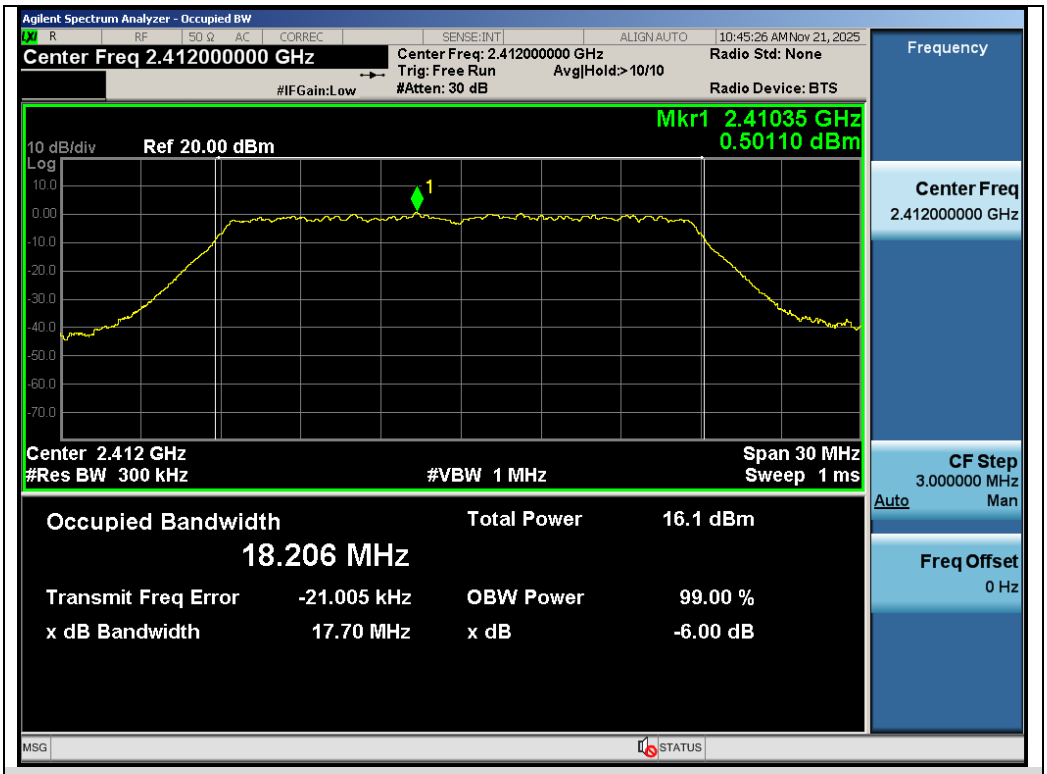



Test_Graph_802.11g_ANT1_2437_6Mbps_DTSBW

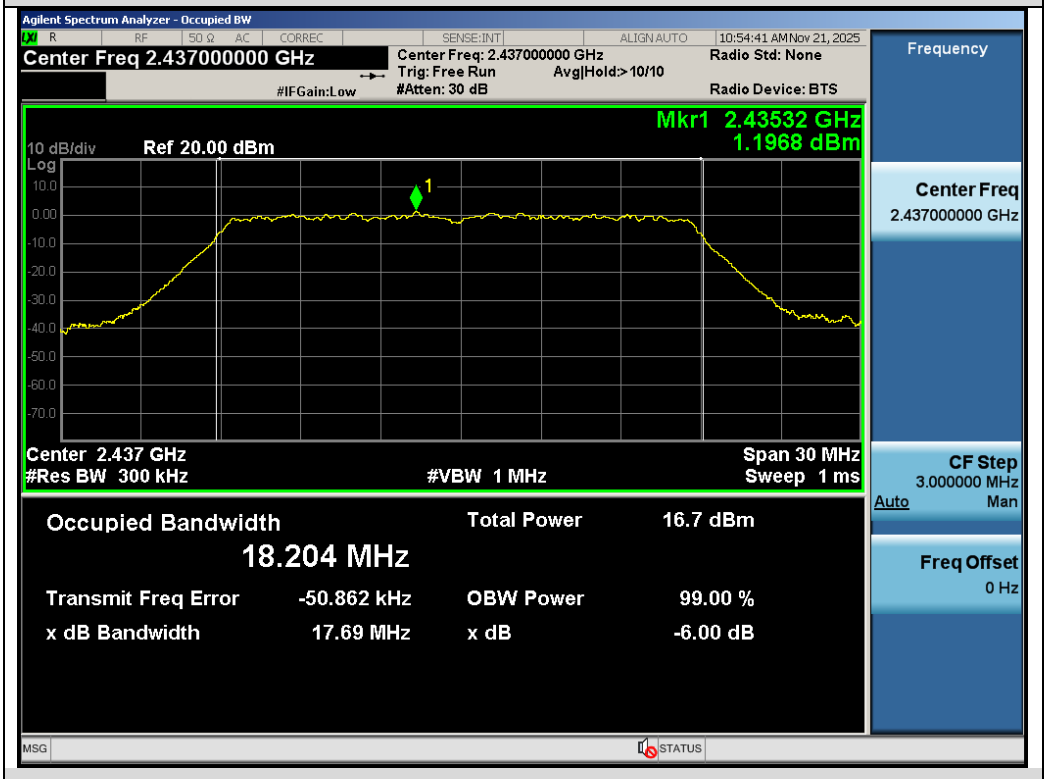



Test_Graph_802.11g_ANT1_2462_6Mbps_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

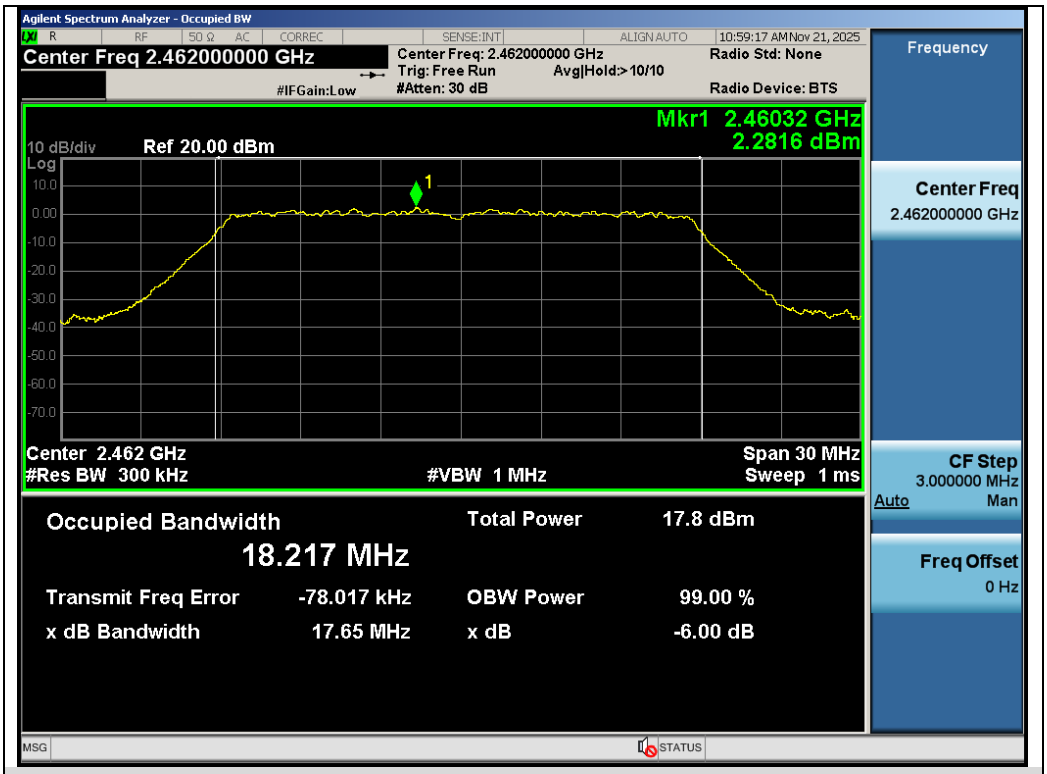



Test_Graph_802.11n20_ANT1_2412_MCS0_DTSBW

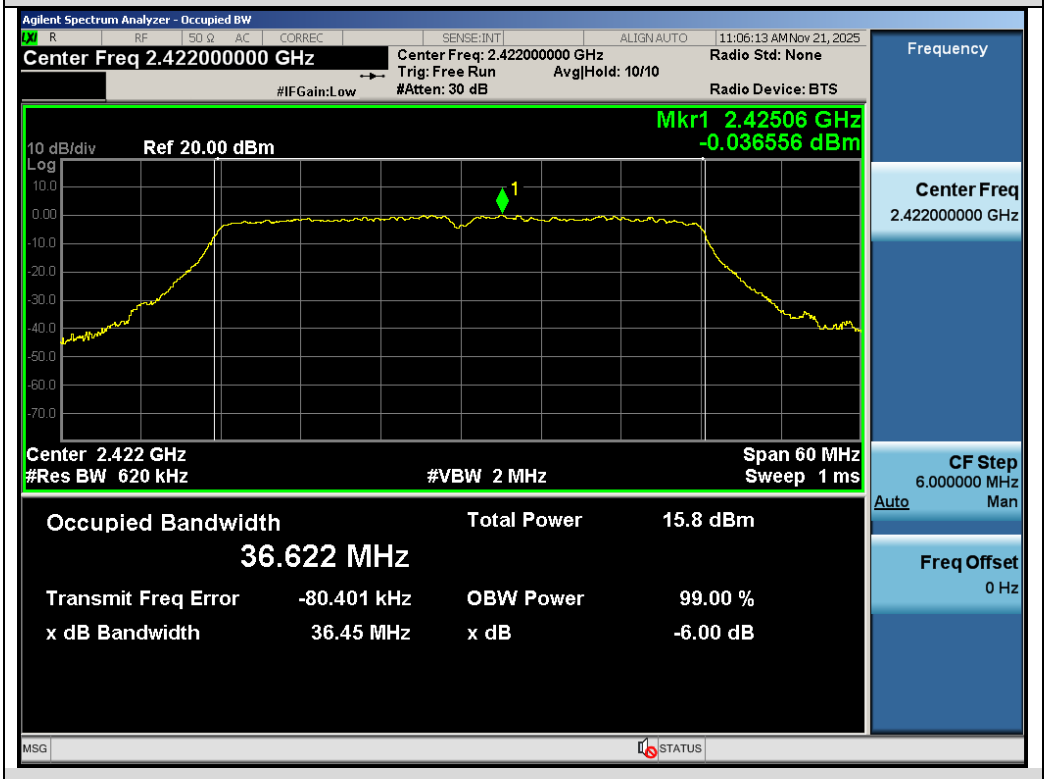



Test_Graph_802.11n20_ANT1_2437_MCS0_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

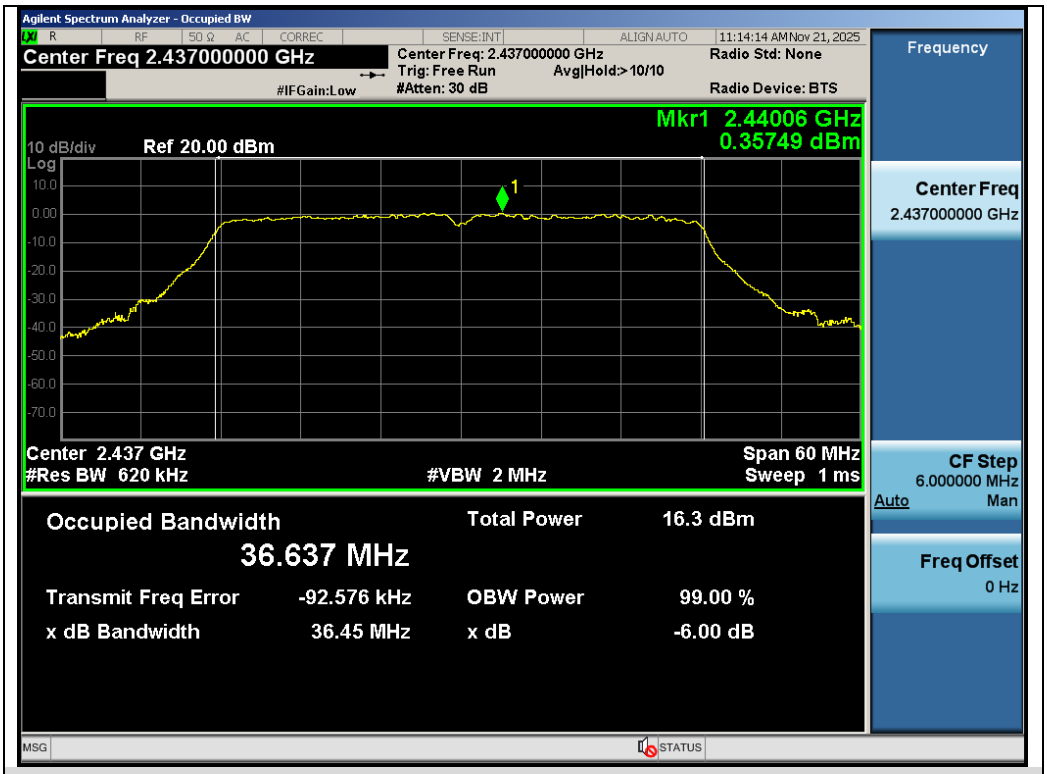



Test_Graph_802.11n20_ANT1_2462_MCS0_DTSBW

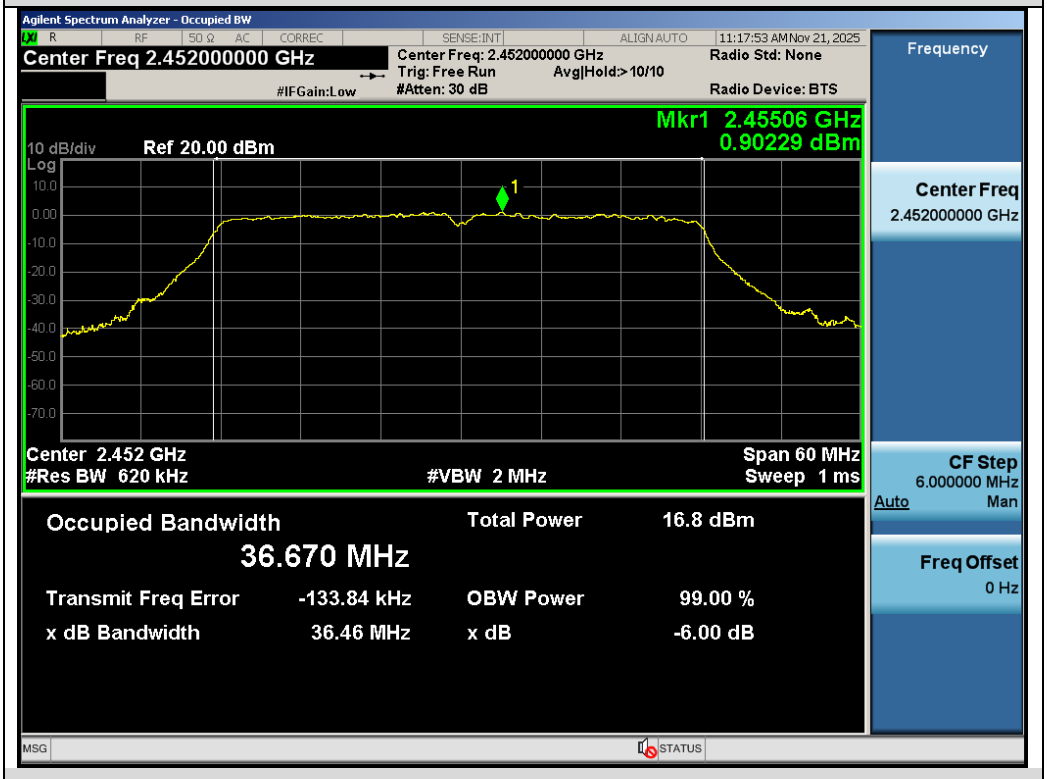



Test_Graph_802.11n40_ANT1_2422_MCS0_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

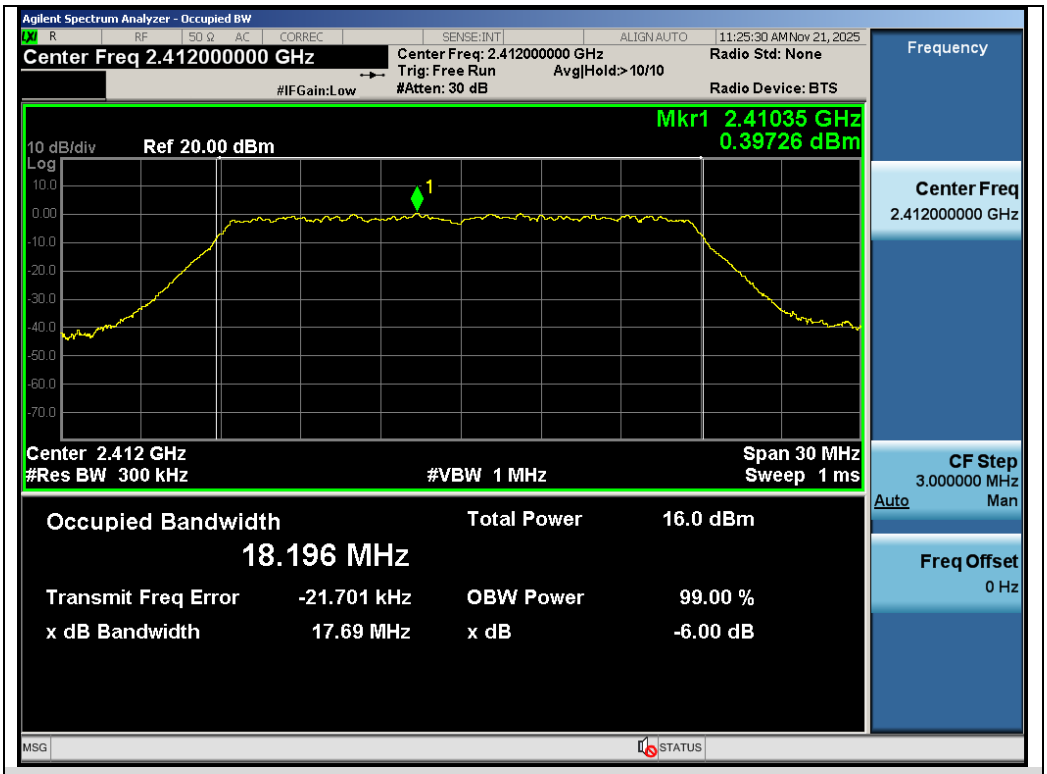



Test_Graph_802.11n40_ANT1_2437_MCS0_DTSBW

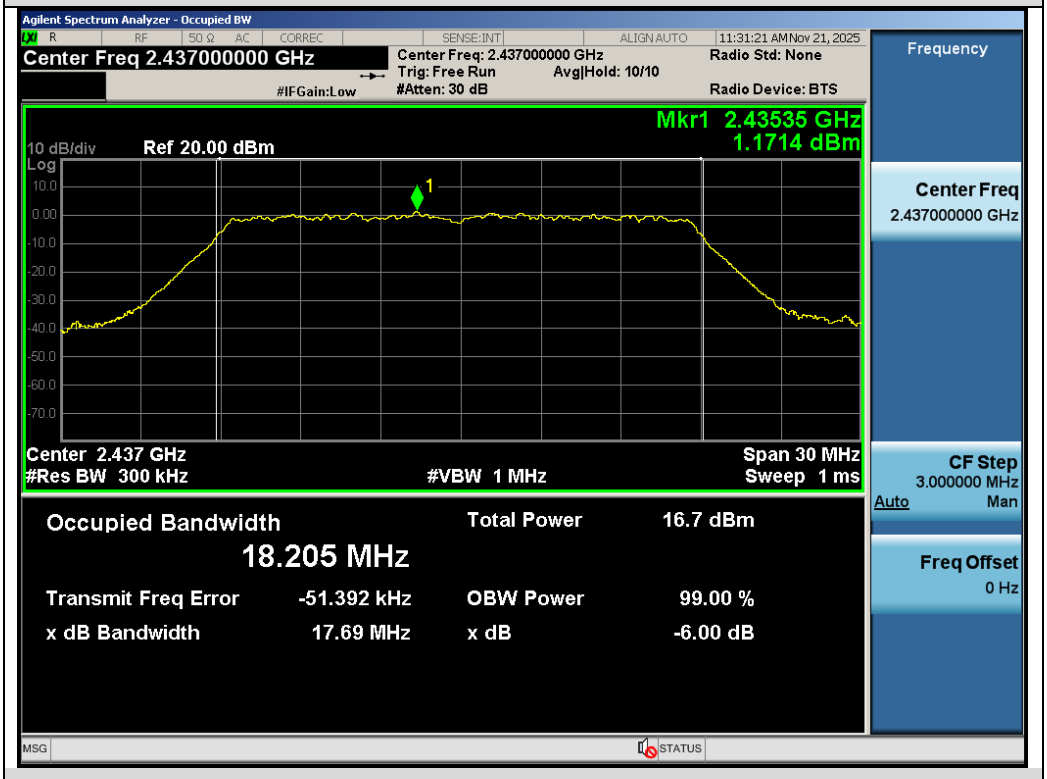



Test_Graph_802.11n40_ANT1_2452_MCS0_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

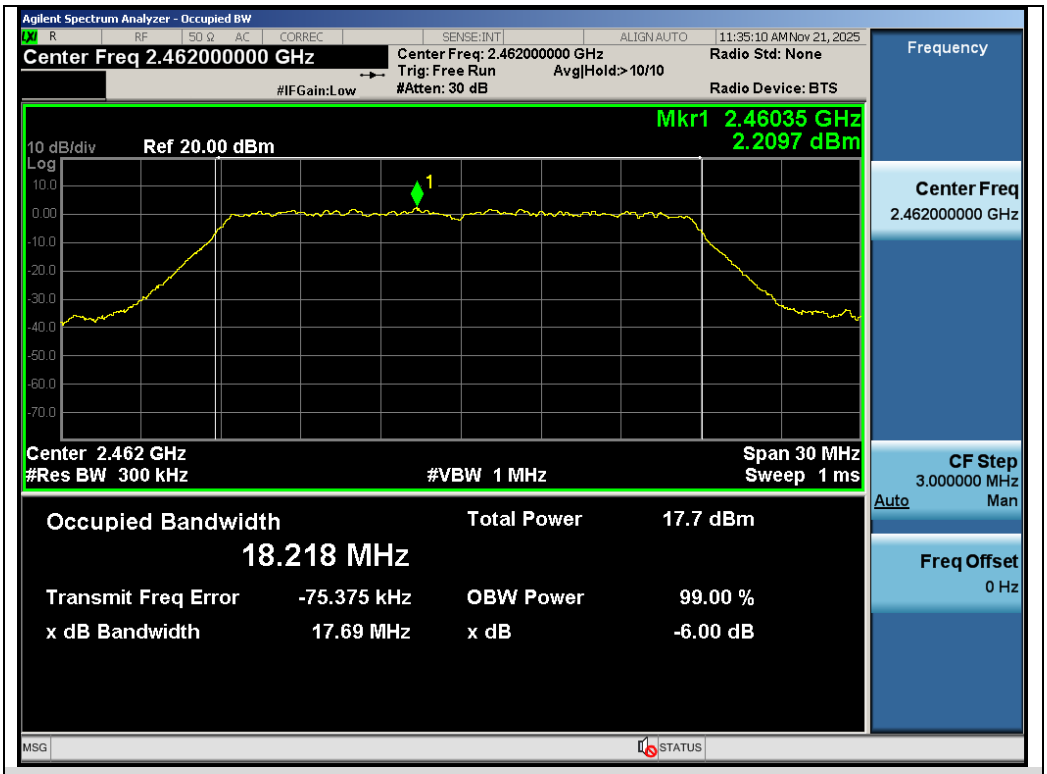



Test_Graph_802.11ax20_ANT1_2412_MCS0_DTSBW

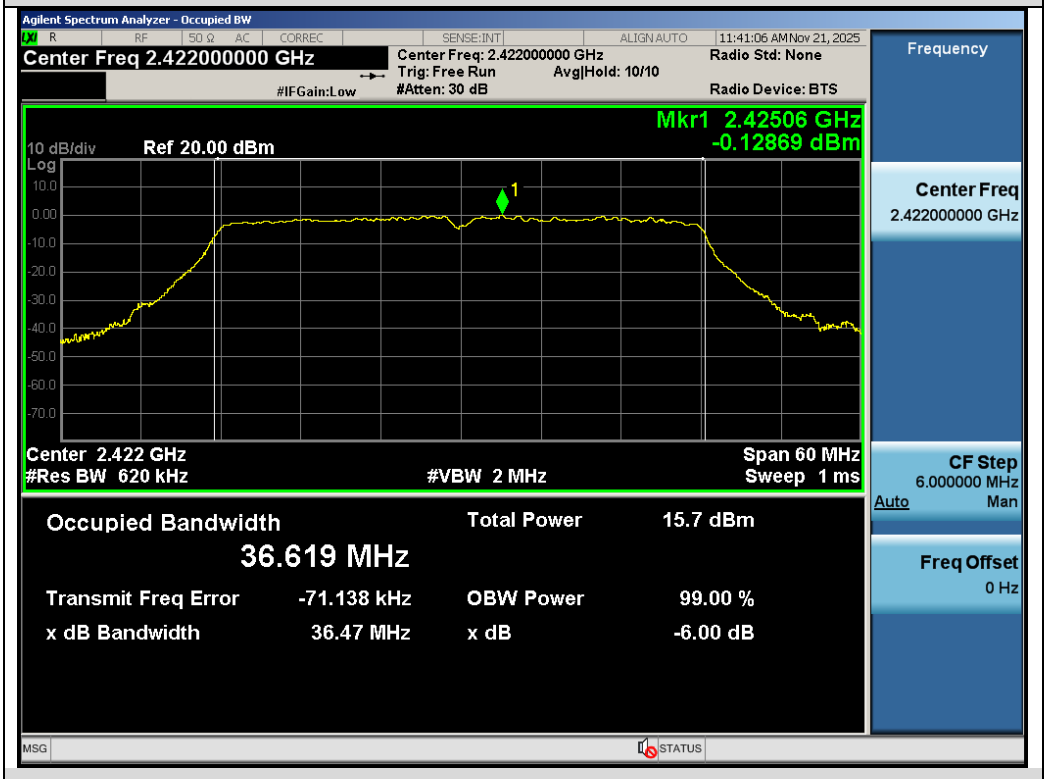



Test_Graph_802.11ax20_ANT1_2437_MCS0_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

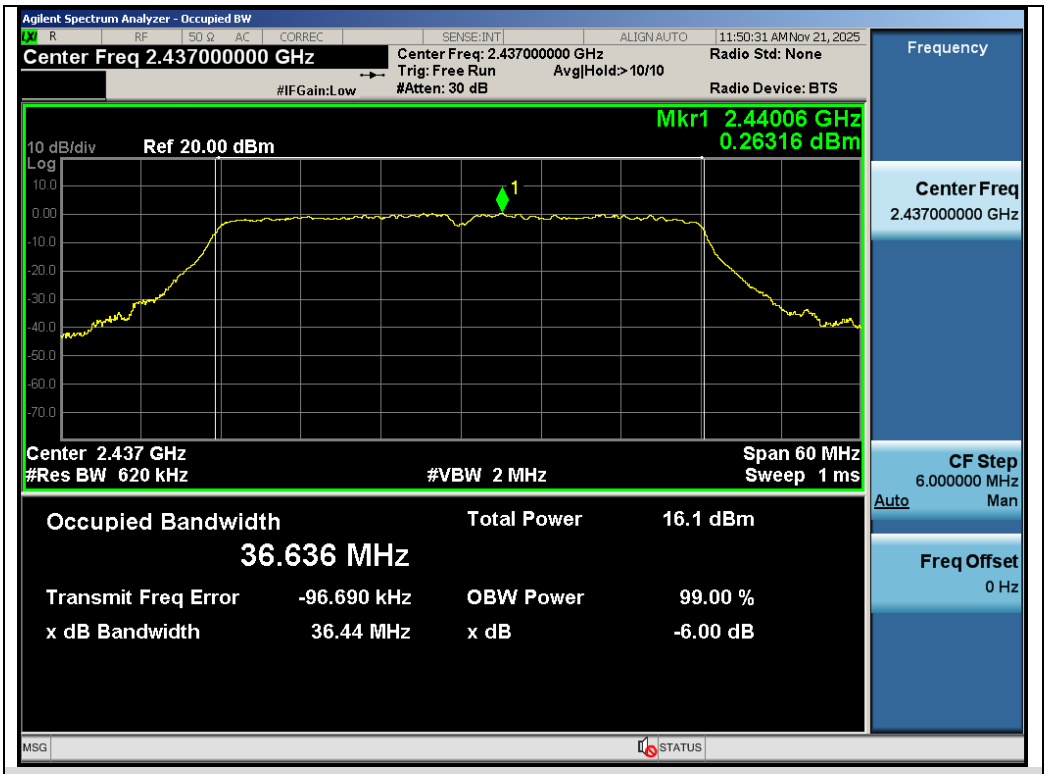



Test_Graph_802.11ax20_ANT1_2462_MCS0_DTSBW

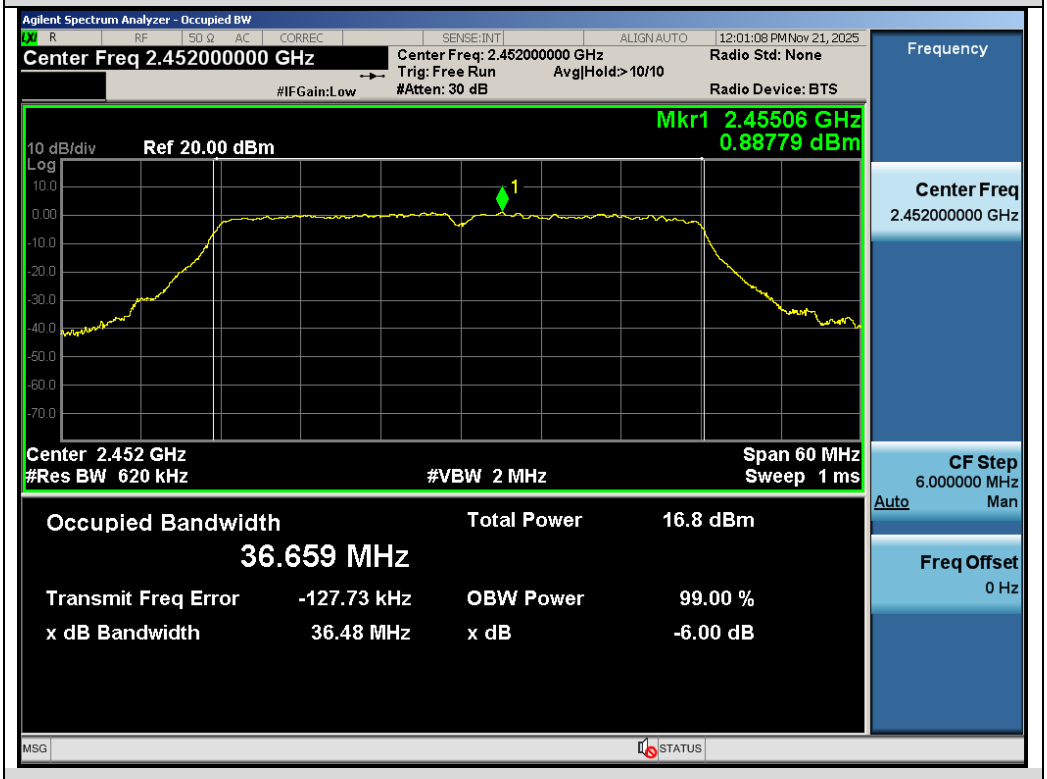



Test_Graph_802.11ax40_ANT1_2422_MCS0_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.




Test_Graph_802.11ax40_ANT1_2437_MCS0_DTSBW




Test_Graph_802.11ax40_ANT1_2452_MCS0_DTSBW

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 9. Power Spectral Density Measurement

## 9.1 Provisions Applicable

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

## 9.2 Measurement Procedure

☒For Peak power spectral density test:

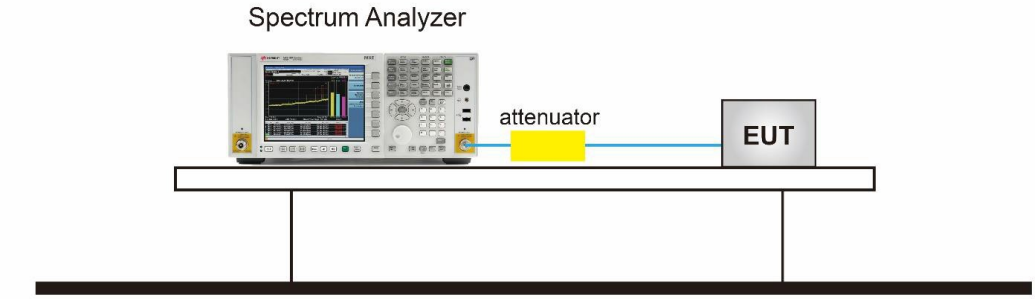
1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the RBW = 20 kHz.
4. Set the VBW ≥ [3 × RBW].
5. Set the Span ≥ [1.5 × DTS bandwidth].
6. Sweep time=Auto couple.
7. Detector function=Peak.
8. Trace Mode=Max hold.
9. When the measurement bandwidth of the maximum PSD is 3 kHz, a constant factor of 10*log(3kHz/20kHz) = -8.23 dB is added to the measurement result.
10. Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.
11. The indicated level is the peak output power, after any corrections for external attenuators and cables.

☐For Average power spectral density test:

1. The testing follows the ANSI C63.10 Section 11.10.5 Method AVPSD.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator.
3. Set Span to at least 1.5 times the OBW.
4. Set RBW to:3 kHz ≤ RBW ≤ 100 kHz.
5. Set VBW≥[3×RBW].
6. Sweep Time=Auto couple.
7. Detector function=RMS (i.e., power averaging).
8. Trace average at least 100 traces in power averaging (rms) mode.
9. When the measurement bandwidth of the maximum PSD is 3 kHz, a constant factor of 10*log(3kHz/20kHz) = -8.23 dB is added to the measurement result.
10. Determine according to the duty cycle of the equipment: when it is less than 98%, follow the steps below.
11. Add [10 log (1 / D)], where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add [10 log (1/0.25)] = 6 dB if the duty cycle is 25%.
12. Record the test results in the report.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### 9.3 Measurement Setup (Block Diagram of Configuration)

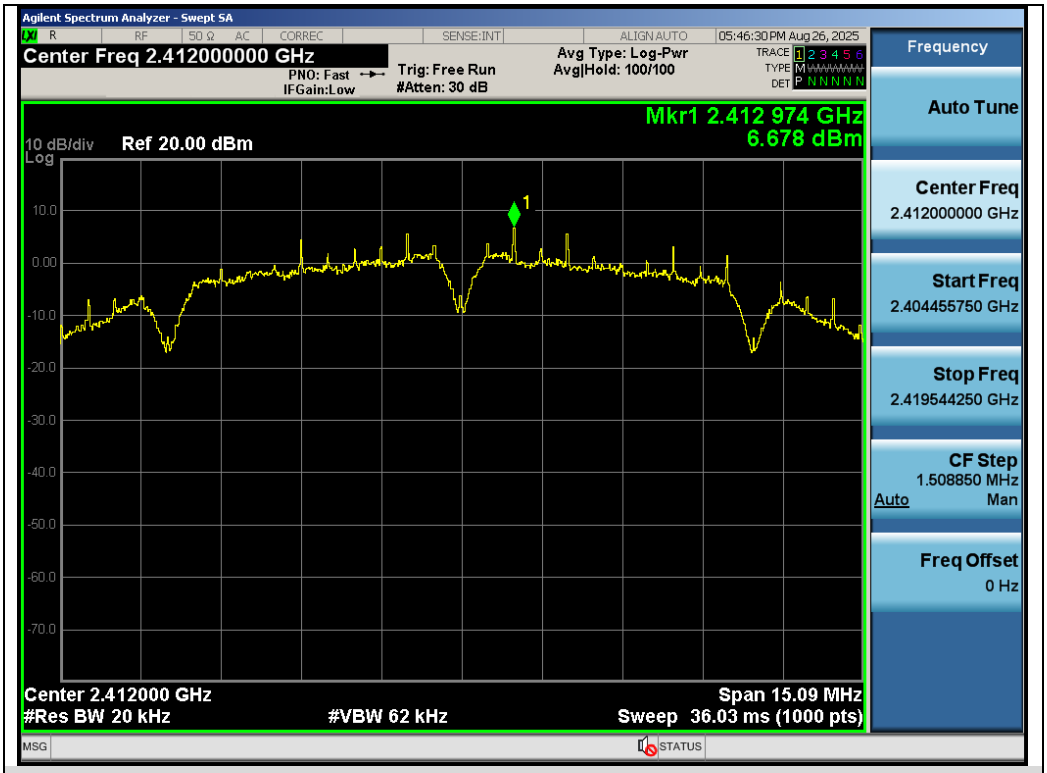



### 9.4 Measurement Result

| Test Data of Conducted Output Power Spectral Density | | | | | |
|---|---|---|---|---|---|
| Test Mode | Test Frequency (MHz) | Power Spectral density (dBm/20kHz) | Power Spectral density (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 802.11b | 2412 | 6.678 | -1.561 | ⩽8 | Pass |
| | 2437 | 2.133 | -6.106 | ⩽8 | Pass |
| | 2462 | 3.448 | -4.791 | ⩽8 | Pass |
| 802.11g | 2412 | -5.209 | -13.448 | ⩽8 | Pass |
| | 2437 | -6.171 | -14.41 | ⩽8 | Pass |
| | 2462 | -5.357 | -13.596 | ⩽8 | Pass |
| 802.11n20 | 2412 | -6.092 | -14.331 | ⩽8 | Pass |
| | 2437 | -6.136 | -14.375 | ⩽8 | Pass |
| | 2462 | -6.646 | -14.885 | ⩽8 | Pass |
| 802.11n40 | 2422 | -10.098 | -18.337 | ≤8 | Pass |
| | 2437 | -10.117 | -18.356 | ≤8 | Pass |
| | 2452 | -10.360 | -18.599 | ≤8 | Pass |
| 802.11ax20 | 2412 | -7.605 | -15.844 | ⩽8 | Pass |
| | 2437 | -8.692 | -16.931 | ⩽8 | Pass |
| | 2462 | -8.341 | -16.58 | ⩽8 | Pass |
| 802.11ax40 | 2422 | -10.097 | -18.336 | ≤8 | Pass |
| | 2437 | -10.385 | -18.624 | ≤8 | Pass |
| | 2452 | -10.376 | -18.615 | ≤8 | Pass |

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## Test Graphs of Conducted Output Power Spectral Density

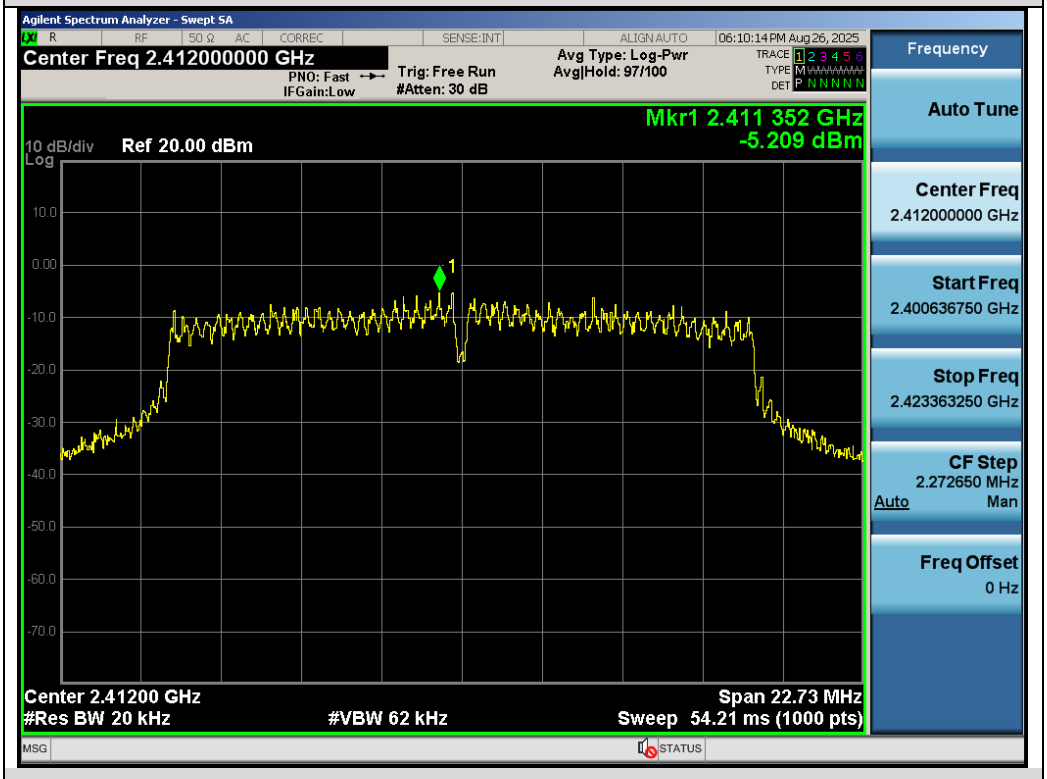



Test_Graph_802.11b_ANT1_2412_1Mbps_PSD

Test_Graph_802.11b_ANT1_2437_1Mbps_PSD

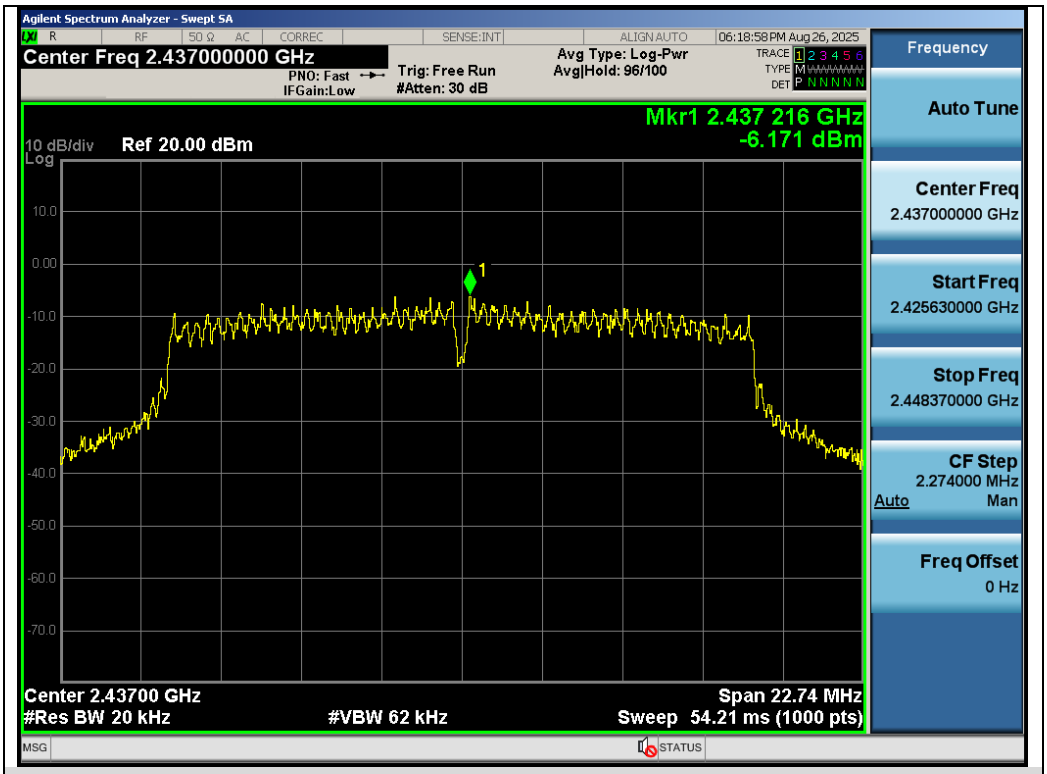
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test_Graph_802.11b_ANT1_2462_1Mbps_PSD

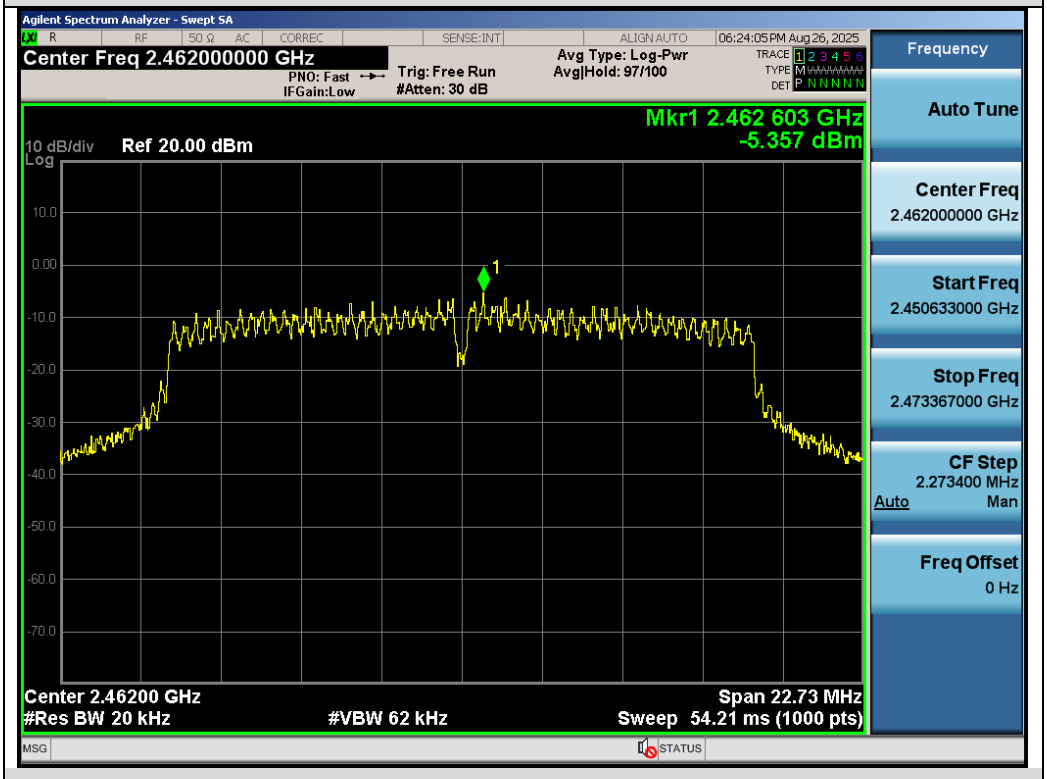



Test_Graph_802.11g_ANT1_2412_6Mbps_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

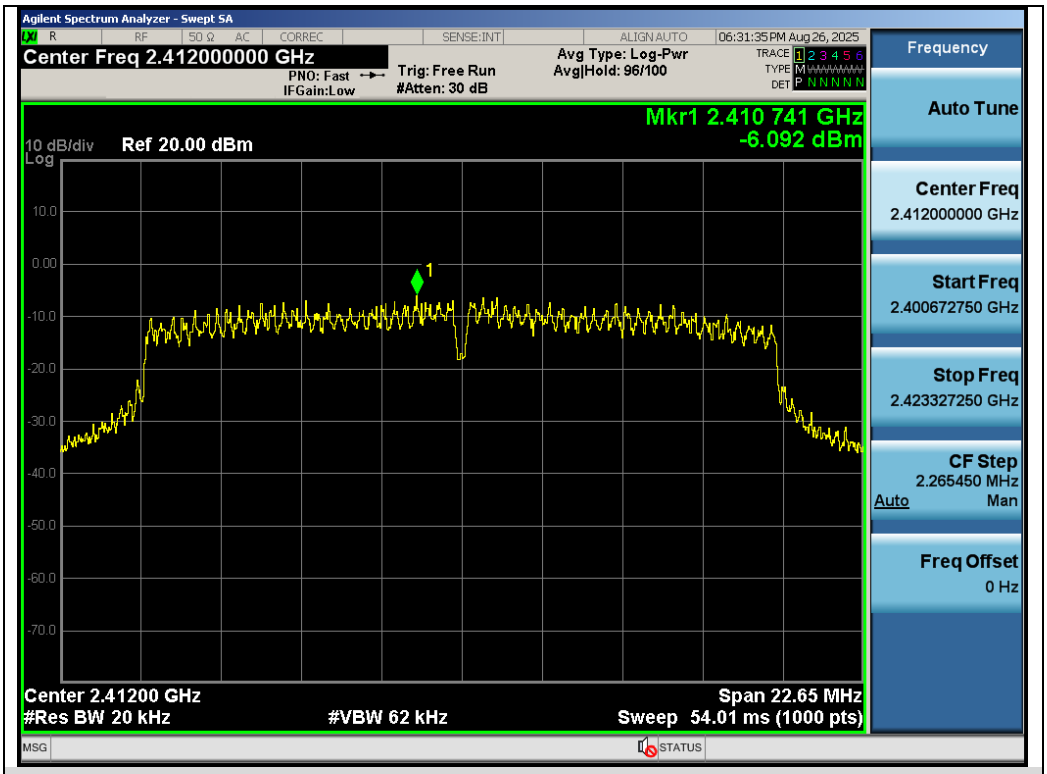



Test_Graph_802.11g_ANT1_2437_6Mbps_PSD

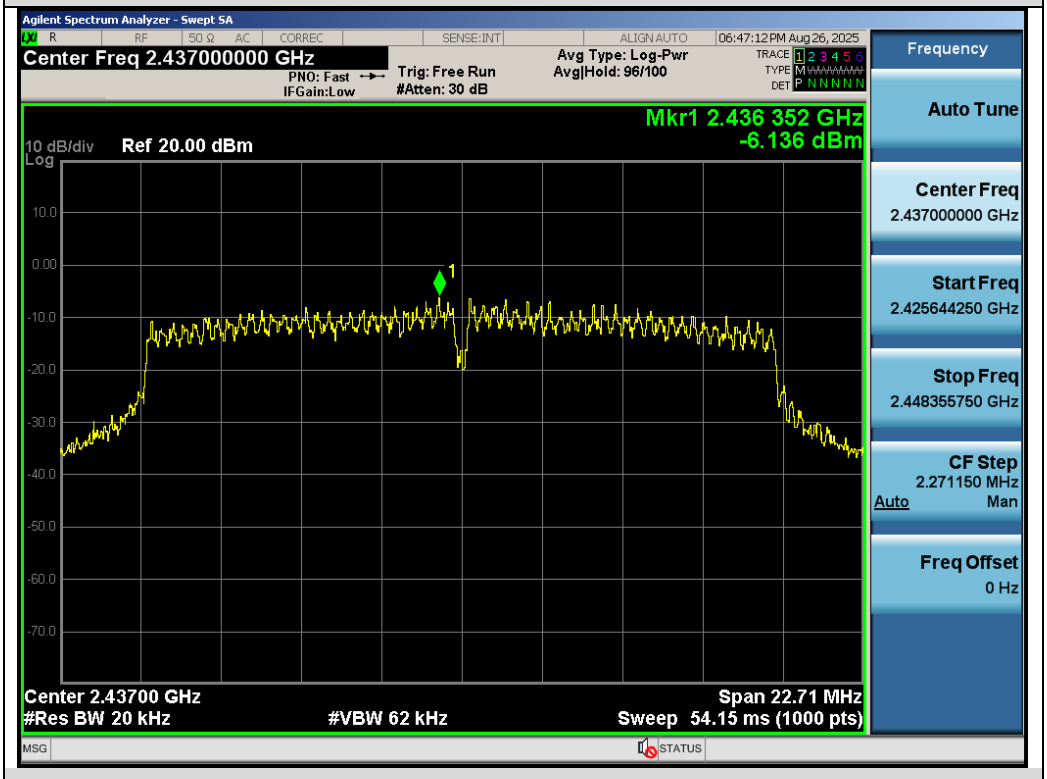



Test_Graph_802.11g_ANT1_2462_6Mbps_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

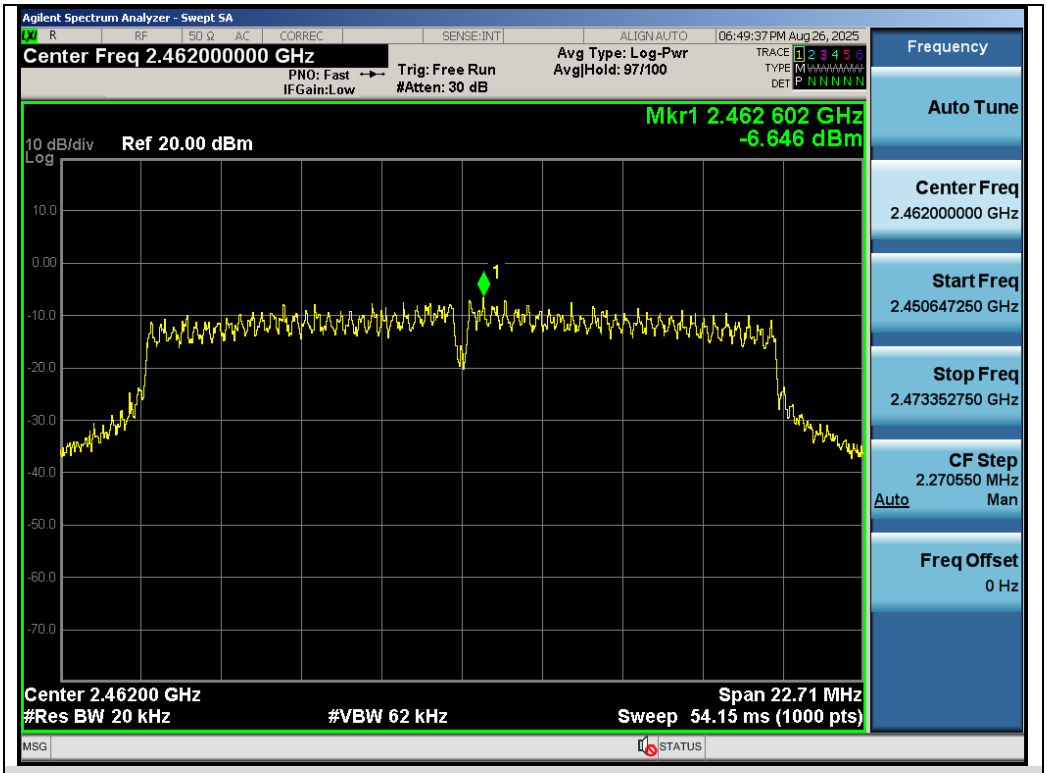



Test_Graph_802.11n20_ANT1_2412_MCS0_PSD

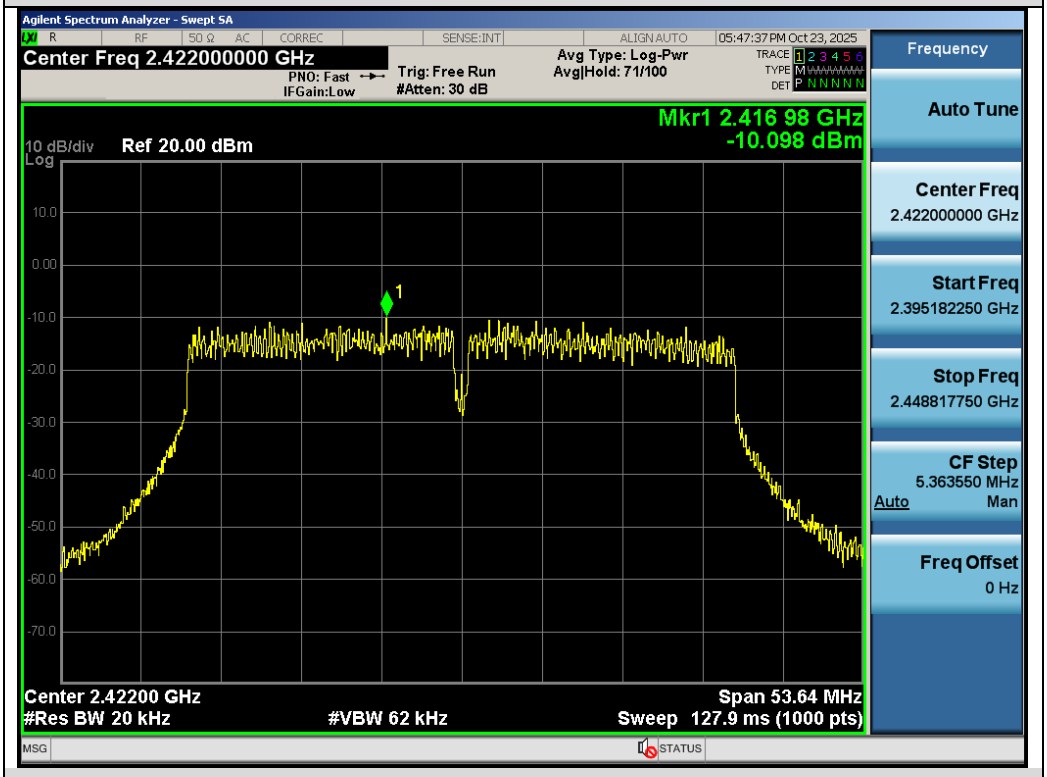



Test_Graph_802.11n20_ANT1_2437_MCS0_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

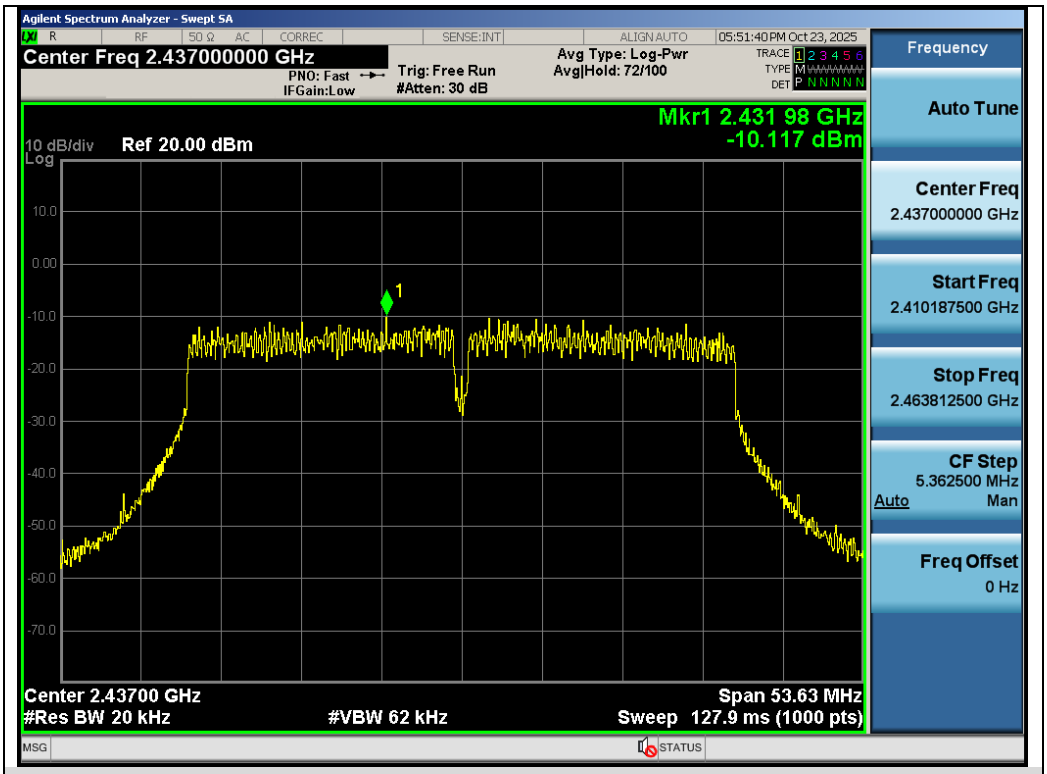



Test_Graph_802.11n20_ANT1_2462_MCS0_PSD

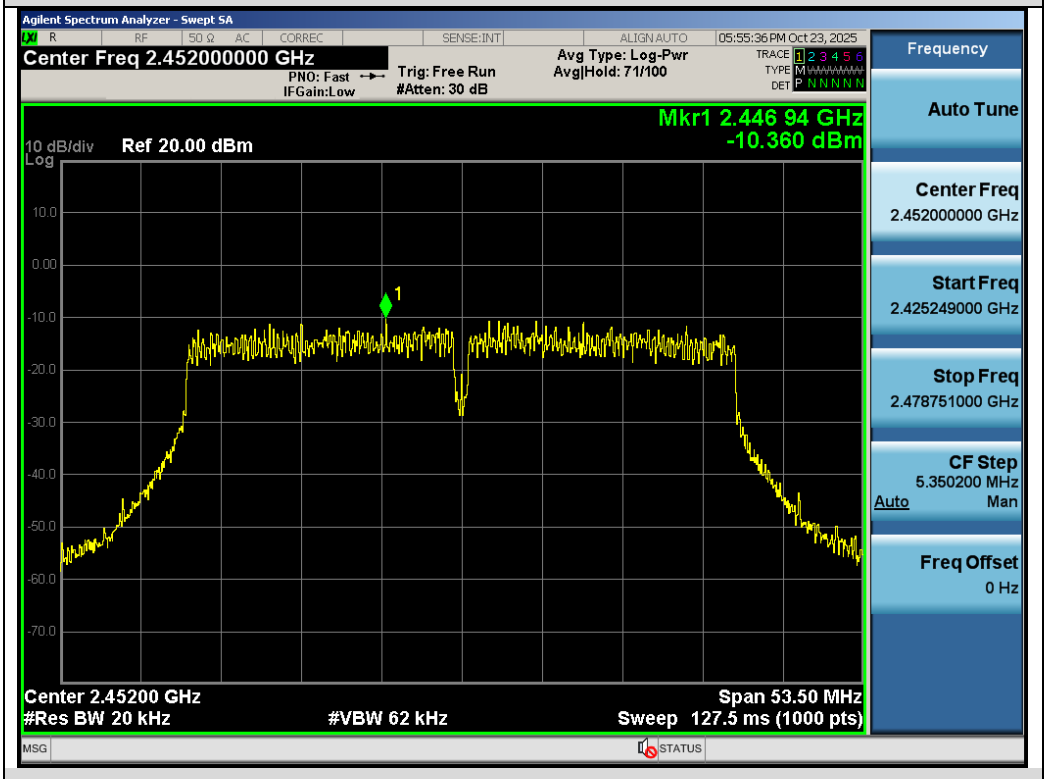



Test_Graph_802.11n40_ANT1_2422_MCS0_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.




Test_Graph_802.11n40_ANT1_2437_MCS0_PSD




Test_Graph_802.11n40_ANT1_2452_MCS0_PSD

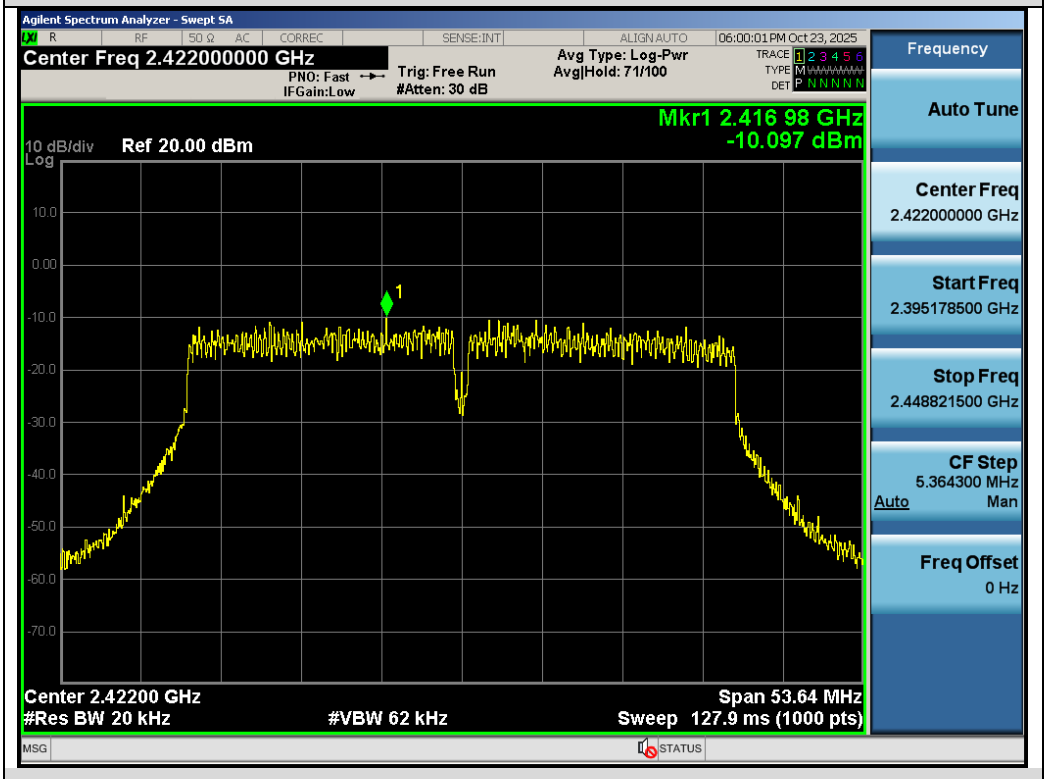
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test_Graph_802.11ax20_ANT1_2412_MCS0_PSD

Test_Graph_802.11ax20_ANT1_2437_MCS0_PSD

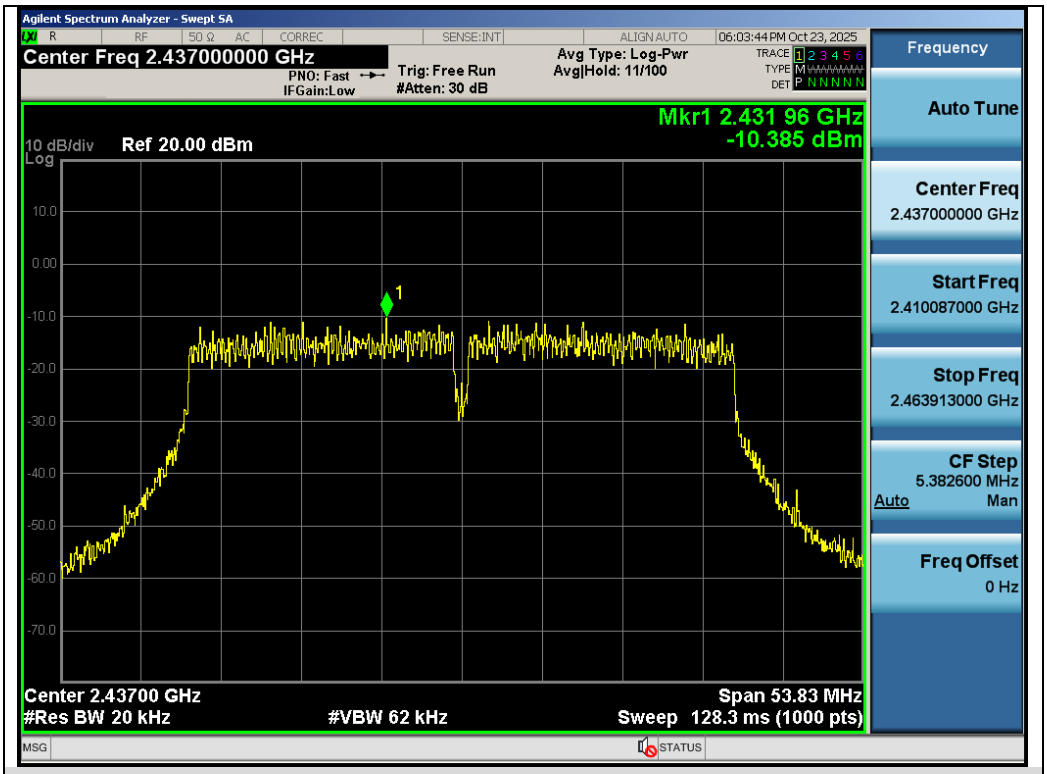
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test_Graph_802.11ax20_ANT1_2462_MCS0_PSD

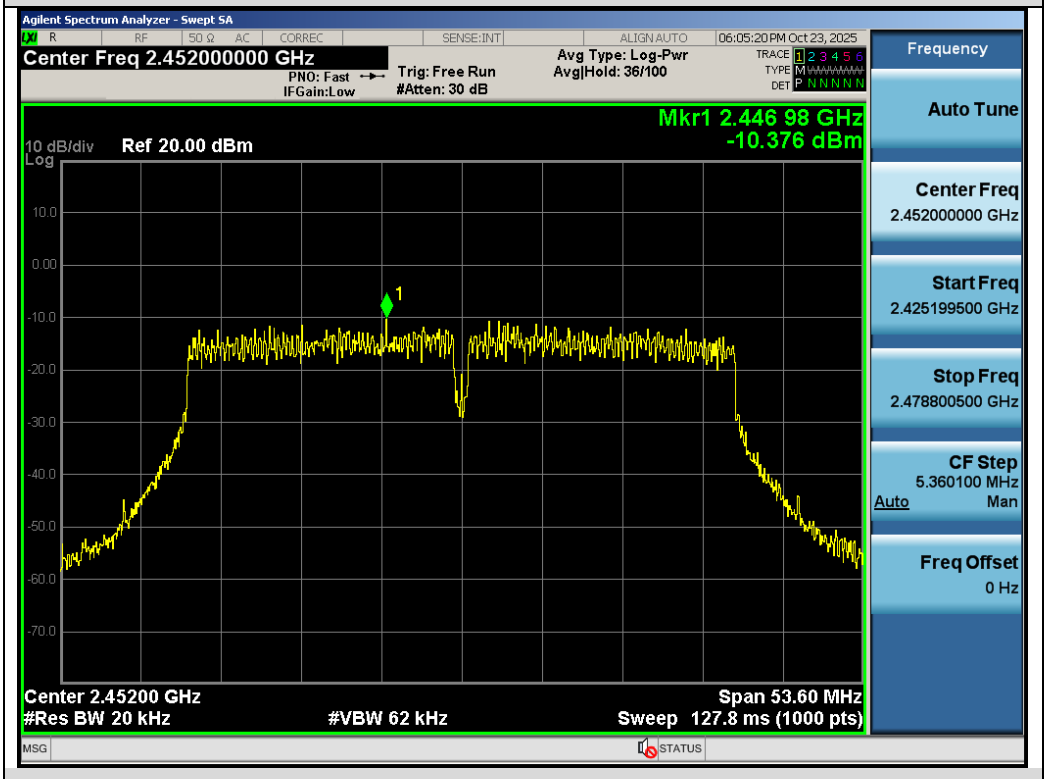



Test_Graph_802.11ax40_ANT1_2422_MCS0_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.




Test_Graph_802.11ax40_ANT1_2437_MCS0_PSD




Test_Graph_802.11ax40_ANT1_2452_MCS0_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

# 10. Conducted Band Edge and Out-of-Band Emissions

## 10.1 Provisions Applicable

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in 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.

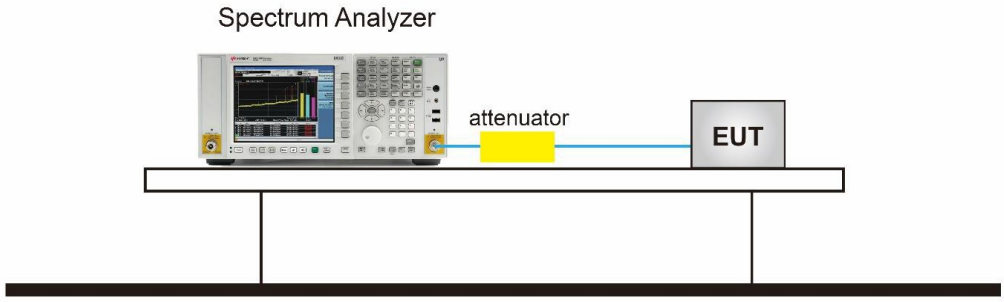
## 10.2 Measurement Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
Use the following spectrum analyzer settings:

- Step 1: Measurement Procedure In-Band Reference Level
  1. Set instrument center frequency to DTS channel center frequency.
  2. Set the span to ≥ 1.5 times the DTS bandwidth.
  3. Set the RBW = 100 kHz.
  4. Set the VBW ≥ 3 x RBW.
  5. Detector = peak.
  6. Sweep time = auto couple.
  7. Trace mode = max hold.
  8. Allow trace to fully stabilize.
  9. Use the peak marker function to determine the maximum PSD level.
  10. Note that the channel found to contain the maximum PSD level can be used to establish the reference level.
  11. For reference level values, please refer to DTS bandwidth test.
- Step 2: Measurement Procedure Out of Band Emission
  1. Set RBW = 100 kHz.
  2. Set VBW ≥ 300 kHz.
  3. Detector = peak.
  4. Sweep = auto couple.
  5. Trace Mode = max hold.
  6. Allow trace to fully stabilize.
  7. Use the peak marker function to determine the maximum amplitude level.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

## 10.3 Measurement Setup (Block Diagram of Configuration)

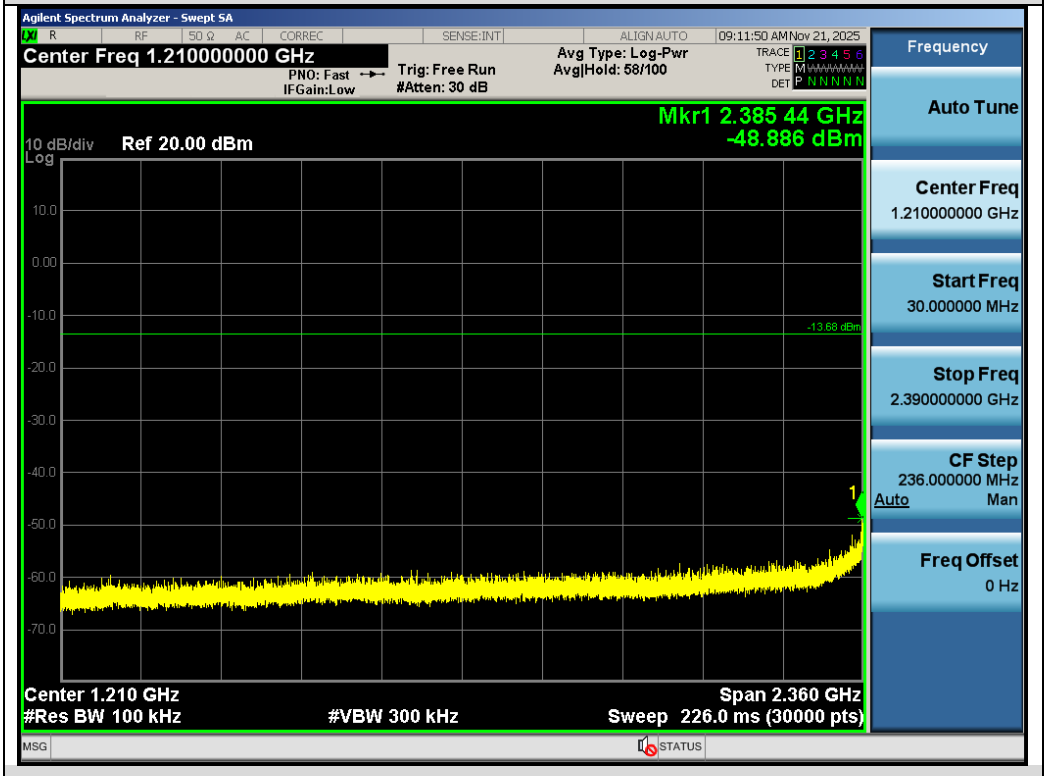



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## 10.4 Measurement Result

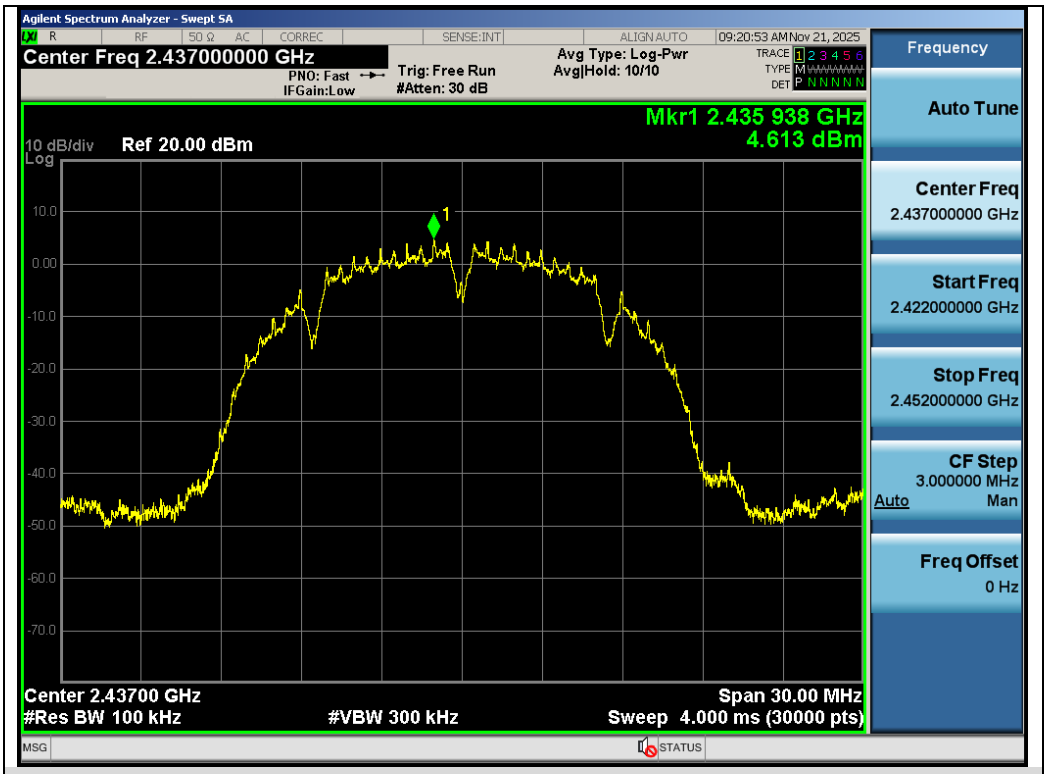
**Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands**

Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Emissions

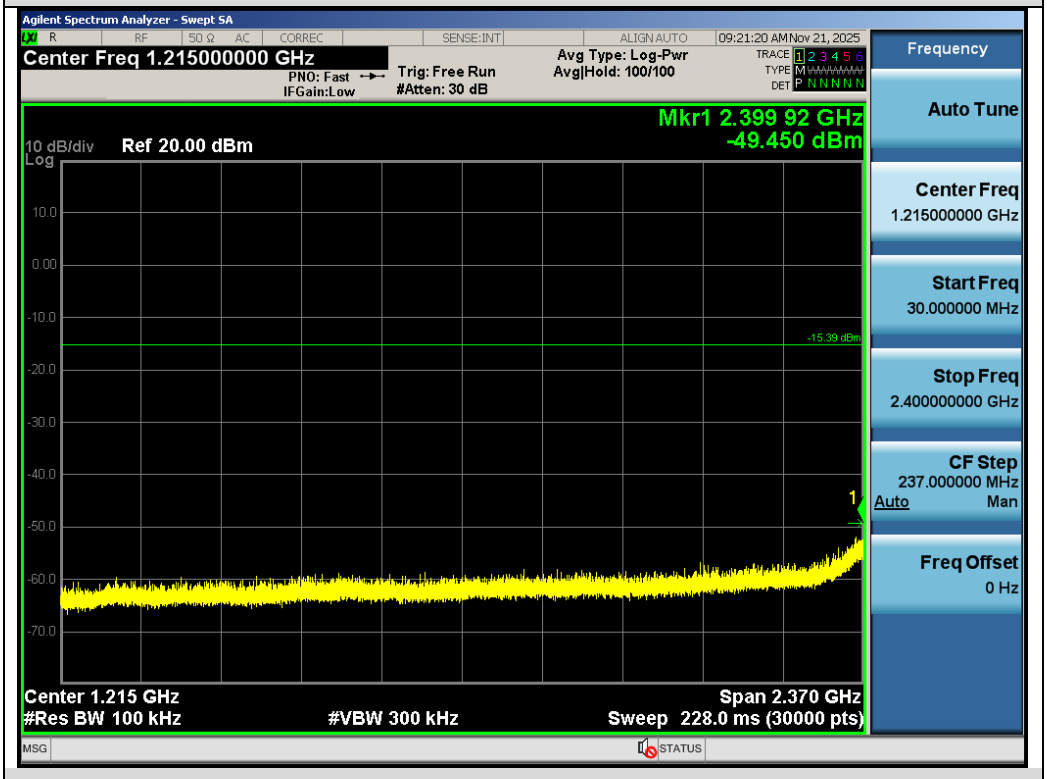



Test_Graph_802.11b_ANT1_2412_1Mbps_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.



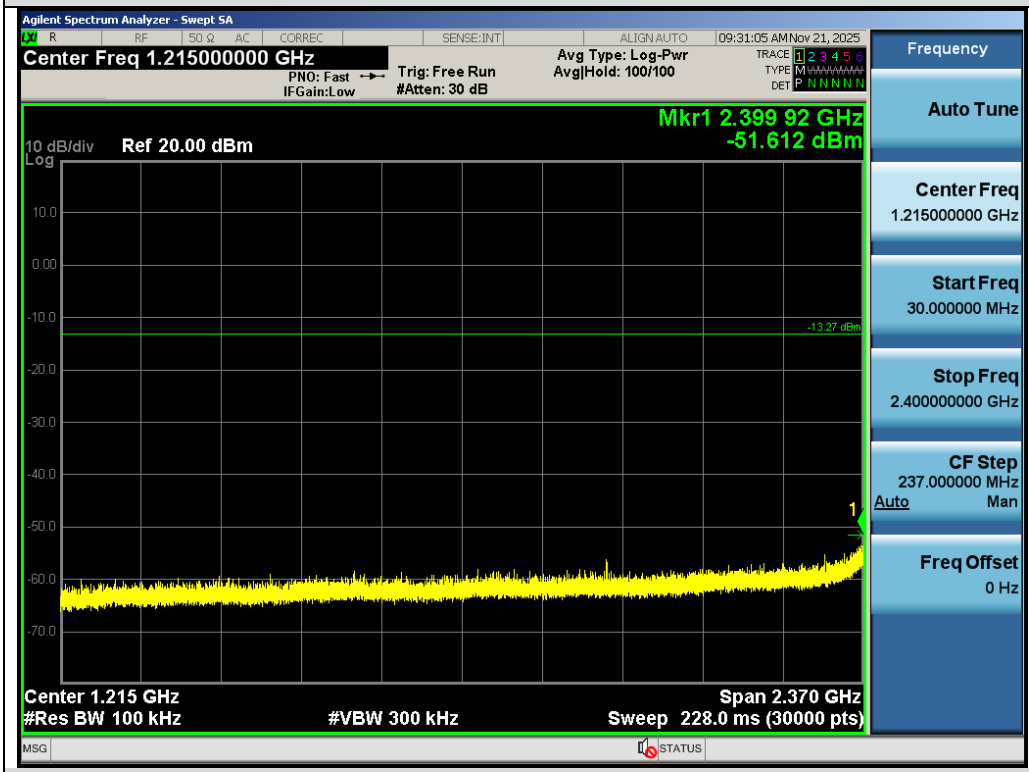

Test_Graph_802.11b_ANT1_2437_1Mbps_Lower Band Emissions




Test_Graph_802.11b_ANT1_2437_1Mbps_Higher Band Emissions

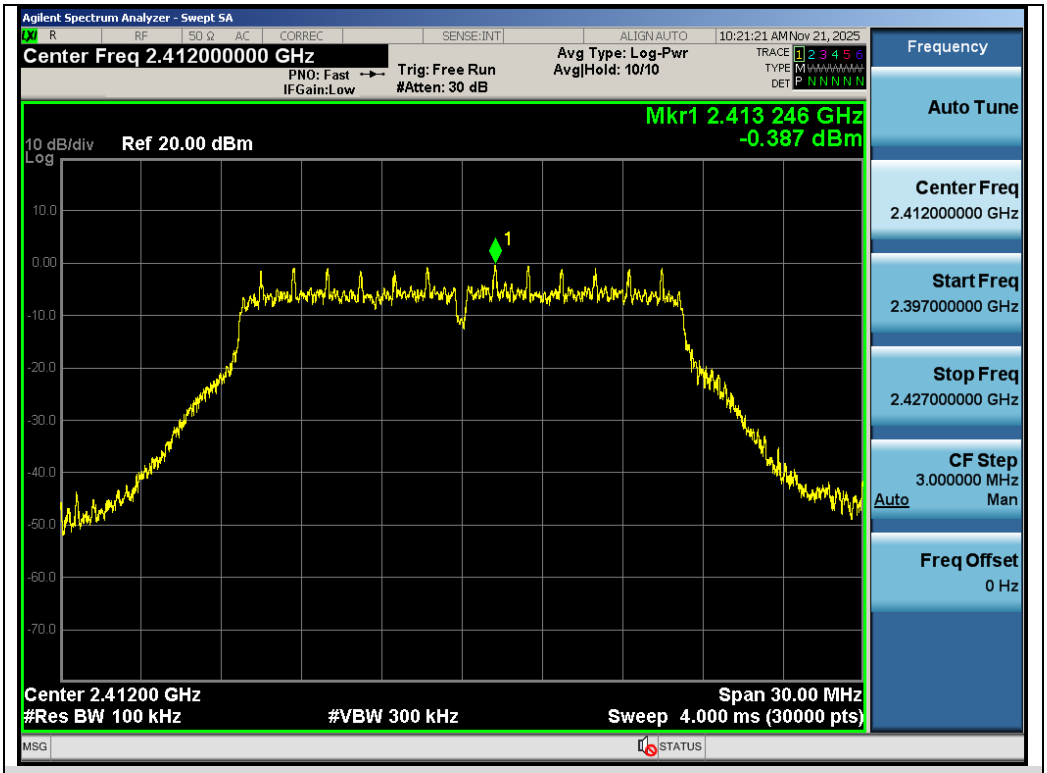
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test_Graph_802.11b_ANT1_2462_1Mbps_Lower Band Emissions

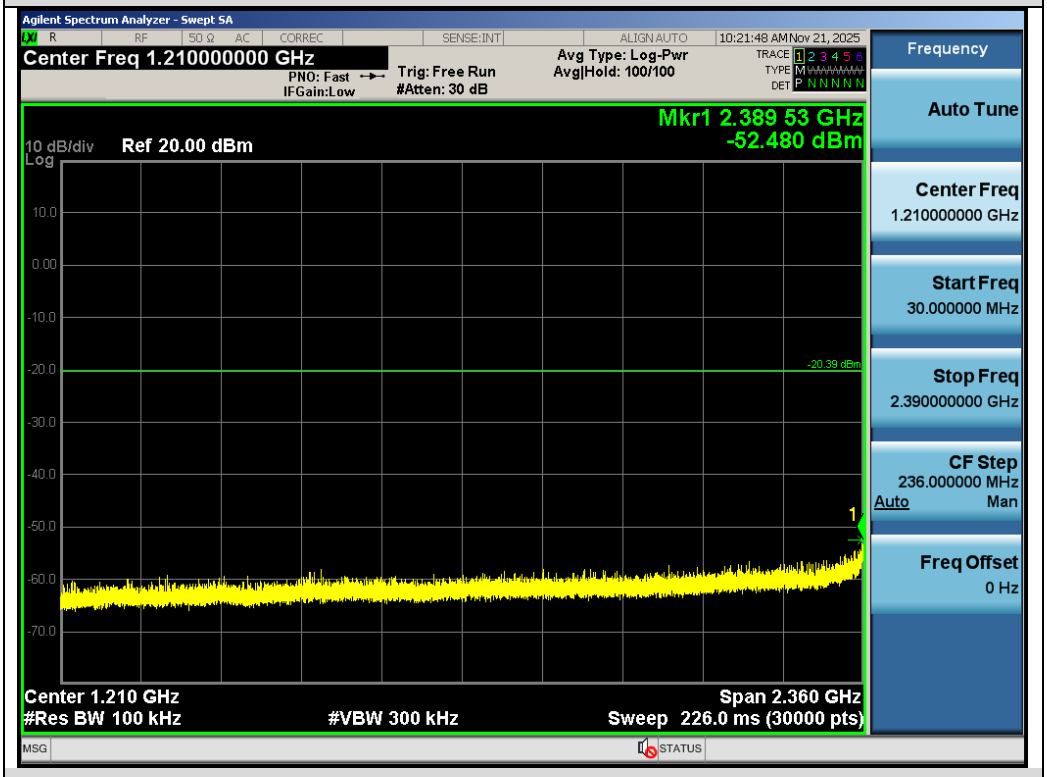



Test_Graph_802.11b_ANT1_2462_1Mbps_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

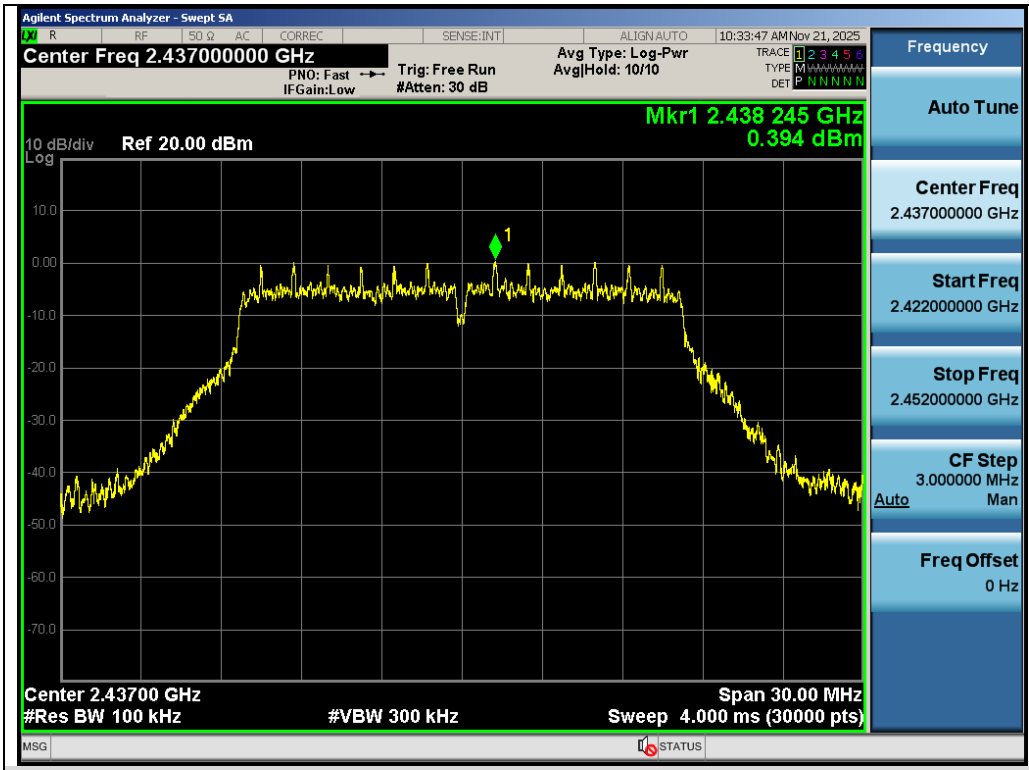



Test_Graph_802.11g_ANT1_2412_6Mbps_Lower Band Emissions

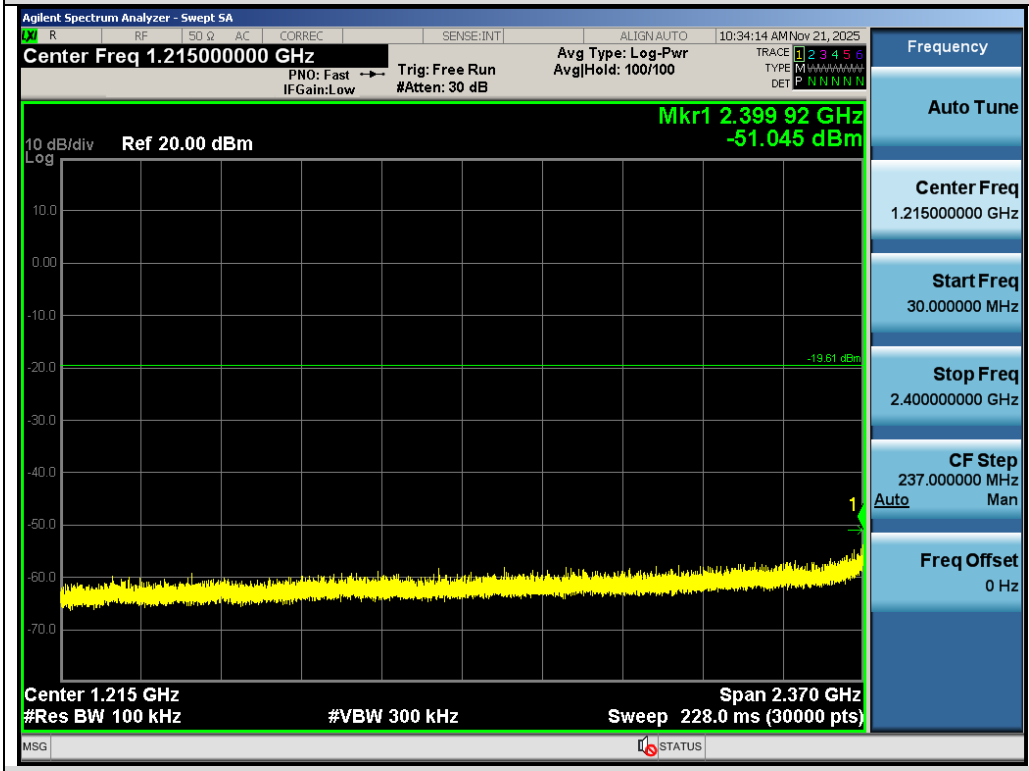



Test_Graph_802.11g_ANT1_2412_6Mbps_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

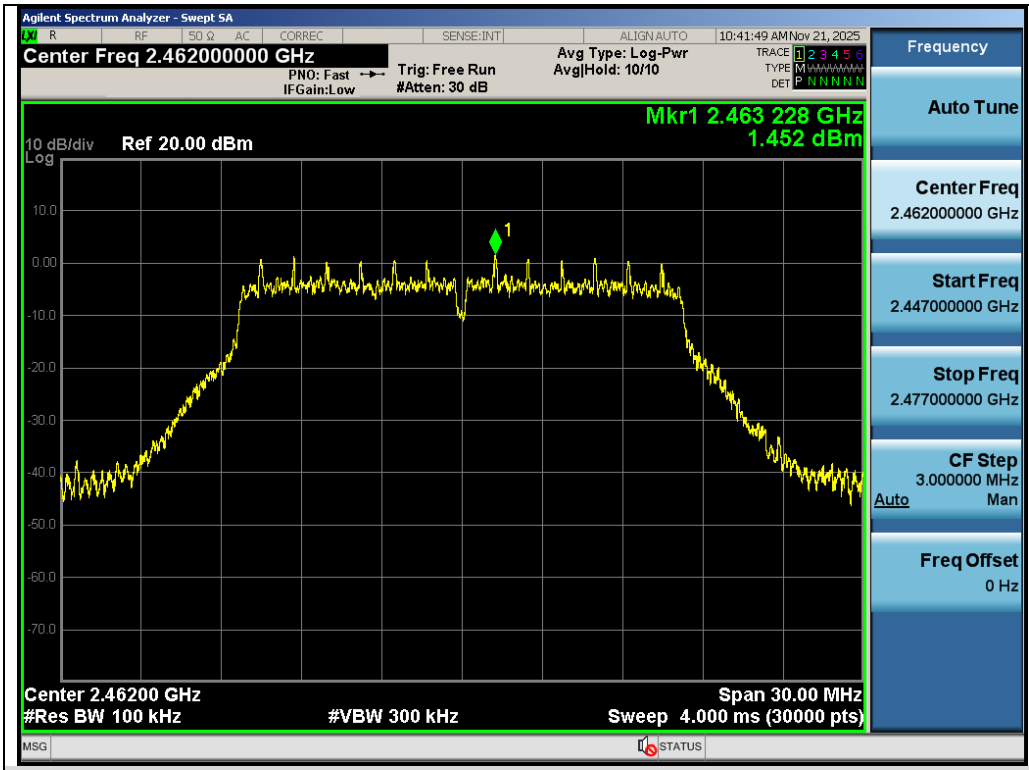



Test_Graph_802.11g_ANT1_2437_6Mbps_Lower Band Emissions

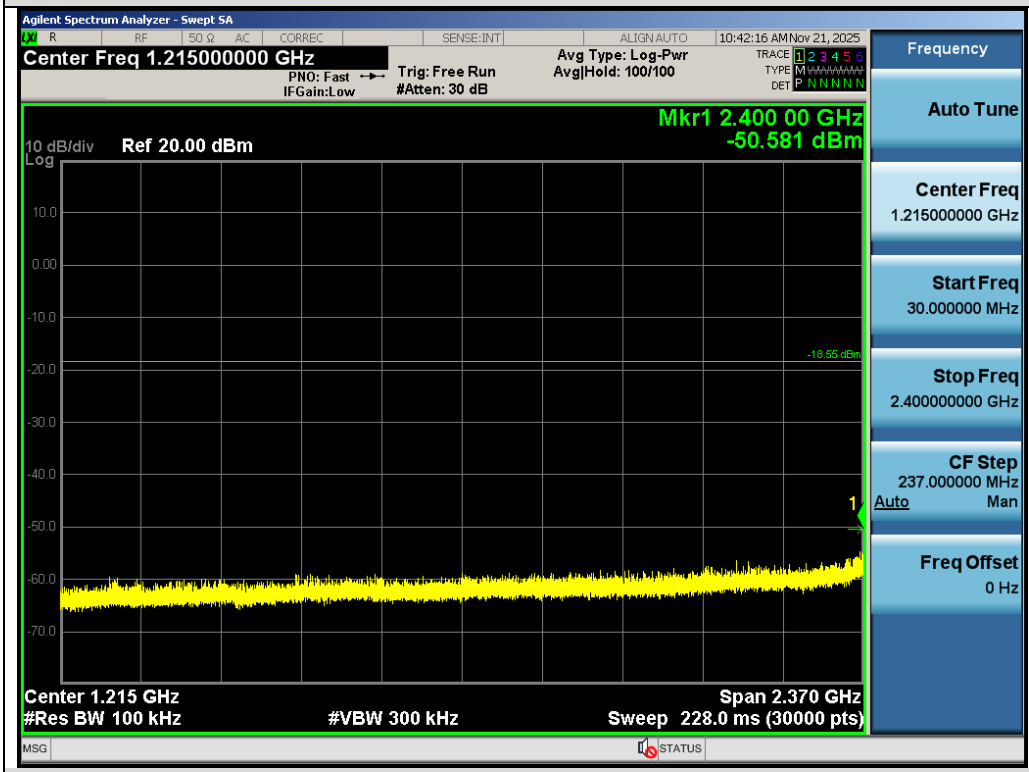



Test_Graph_802.11g_ANT1_2437_6Mbps_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

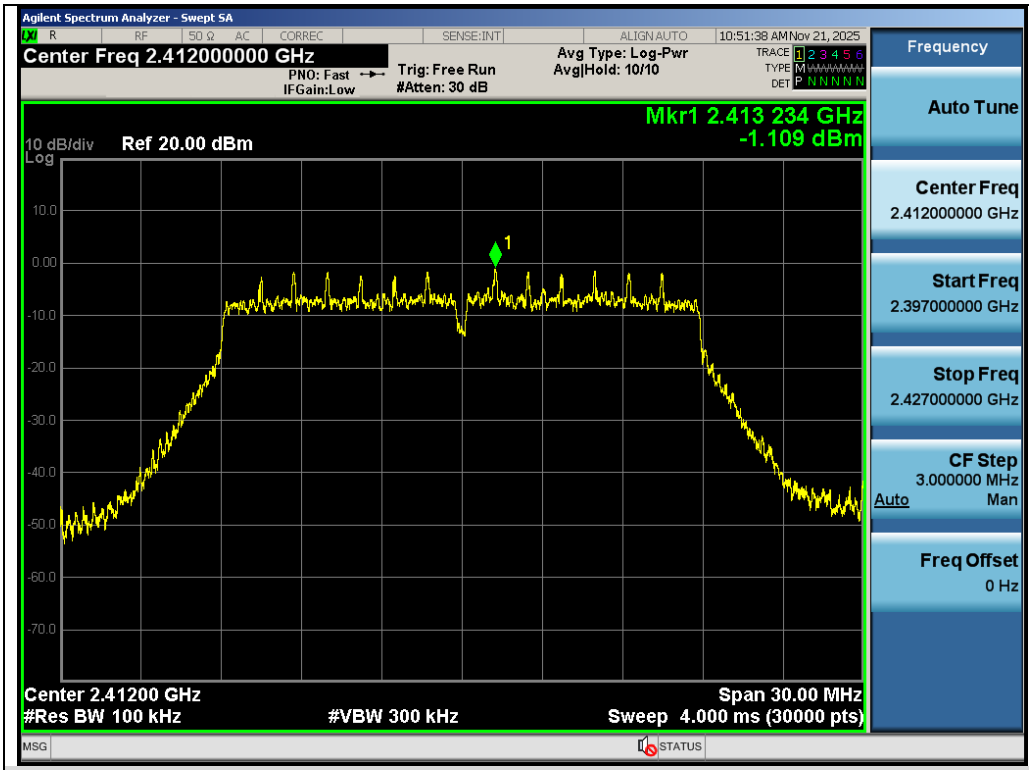



Test_Graph_802.11g_ANT1_2462_6Mbps_Lower Band Emissions

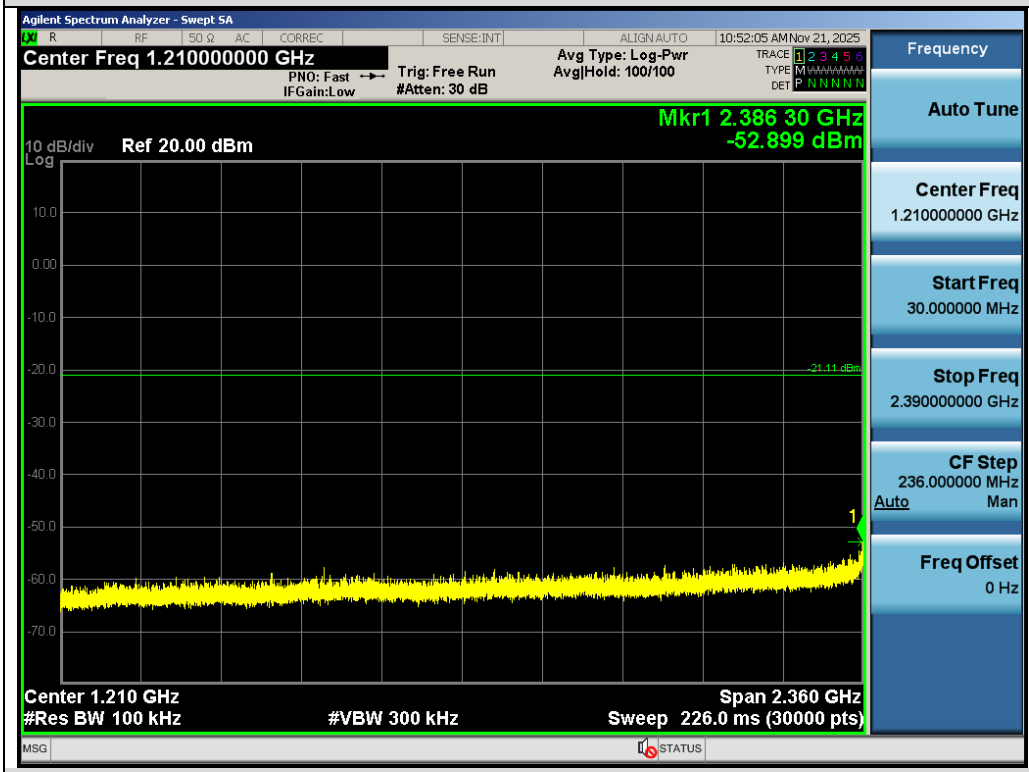



Test_Graph_802.11g_ANT1_2462_6Mbps_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

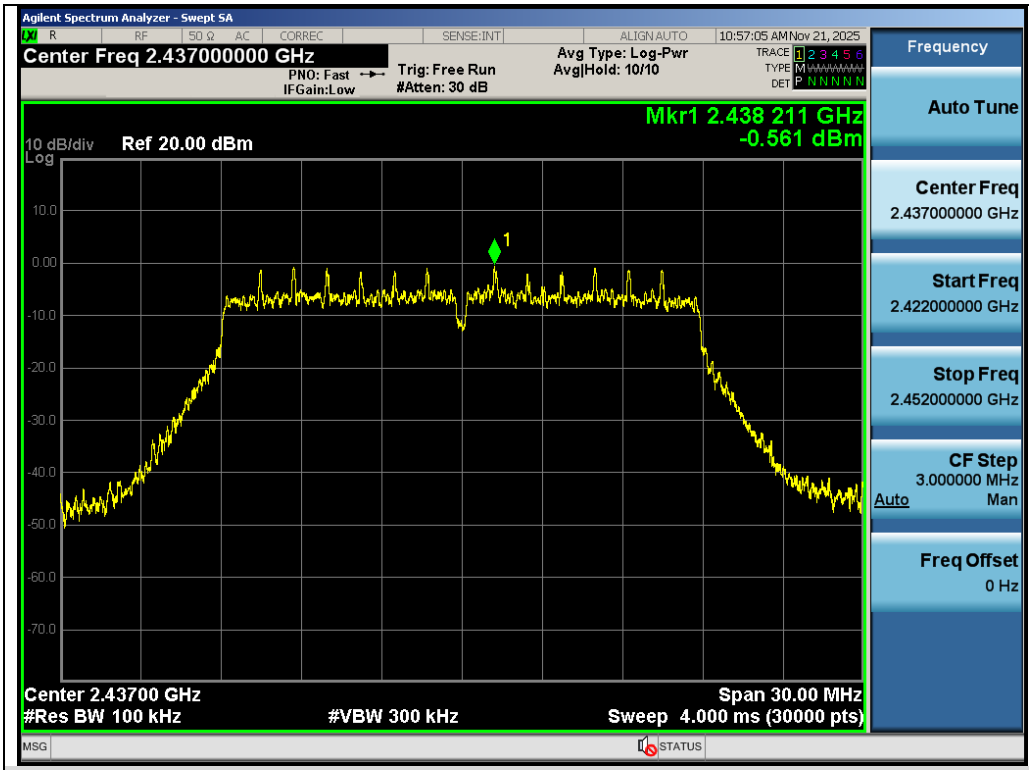



Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Emissions

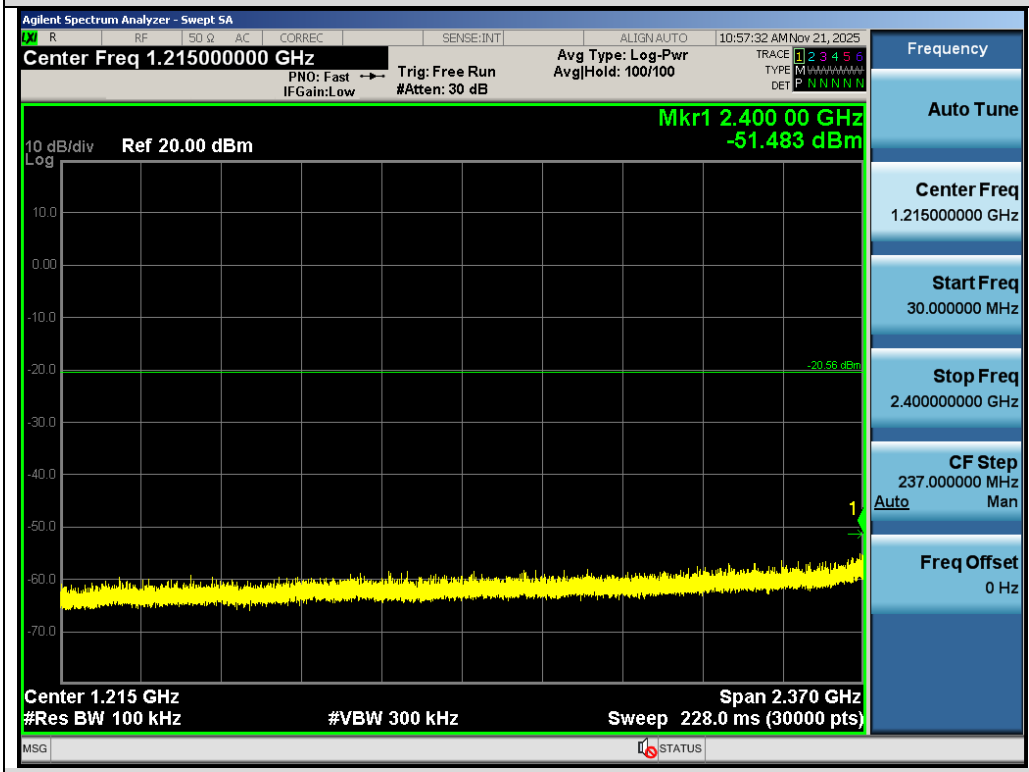



Test_Graph_802.11n20_ANT1_2412_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

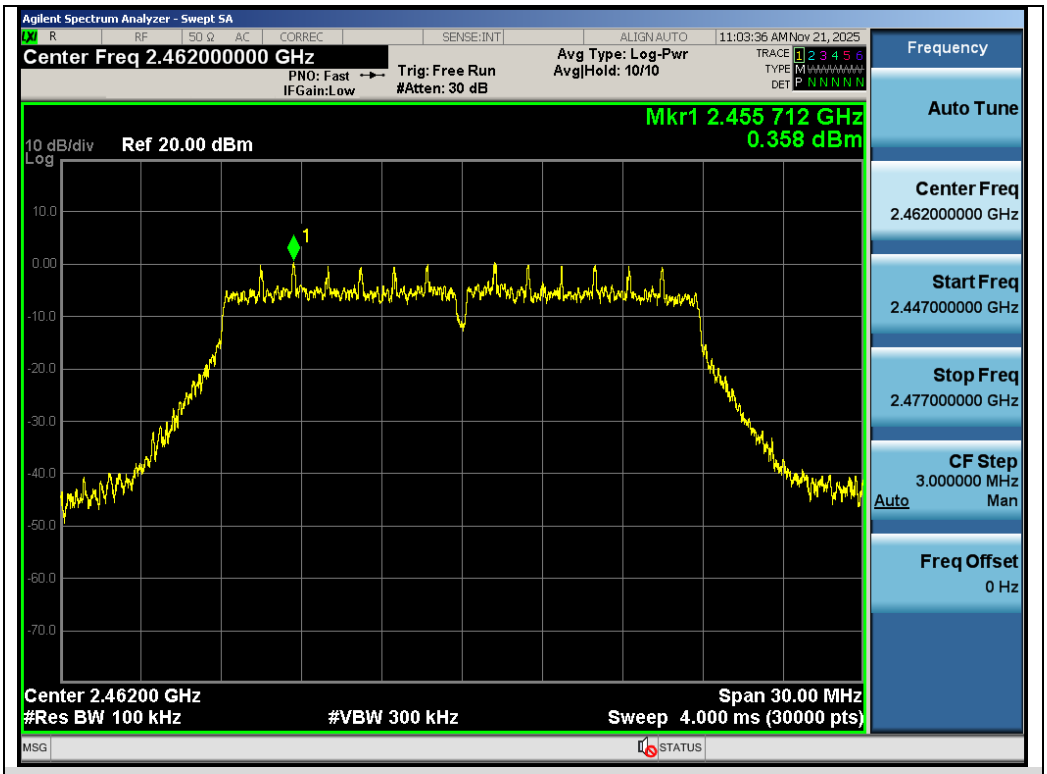



Test_Graph_802.11n20_ANT1_2437_MCS0_Lower Band Emissions

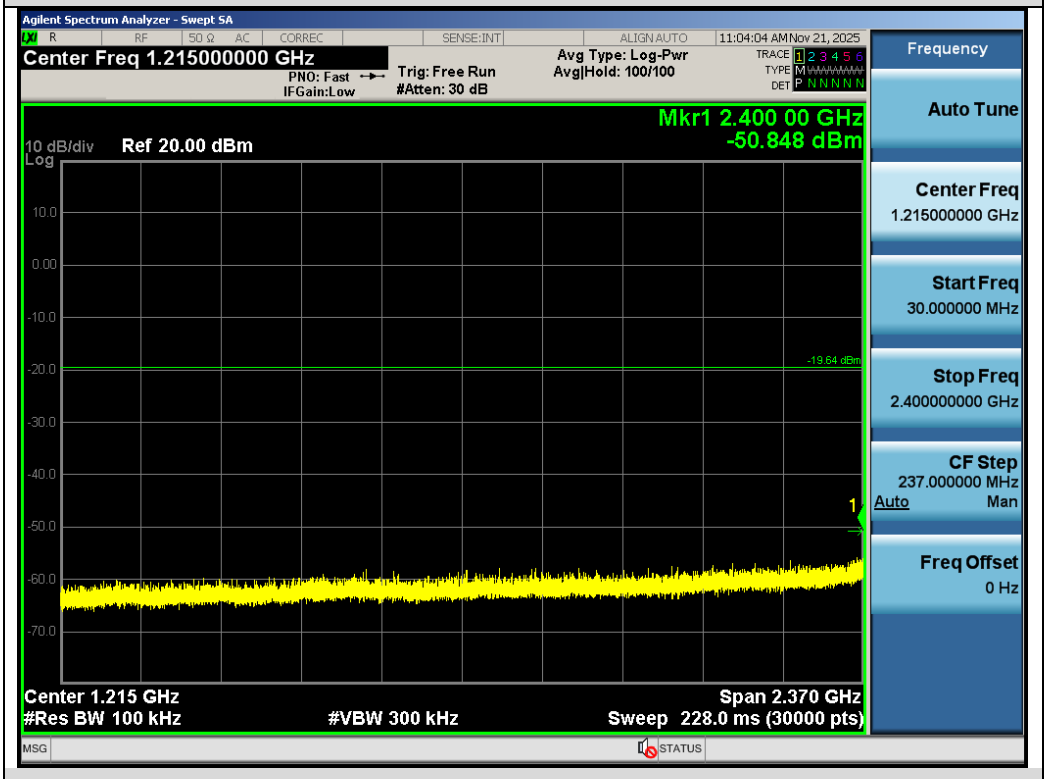



Test_Graph_802.11n20_ANT1_2437_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

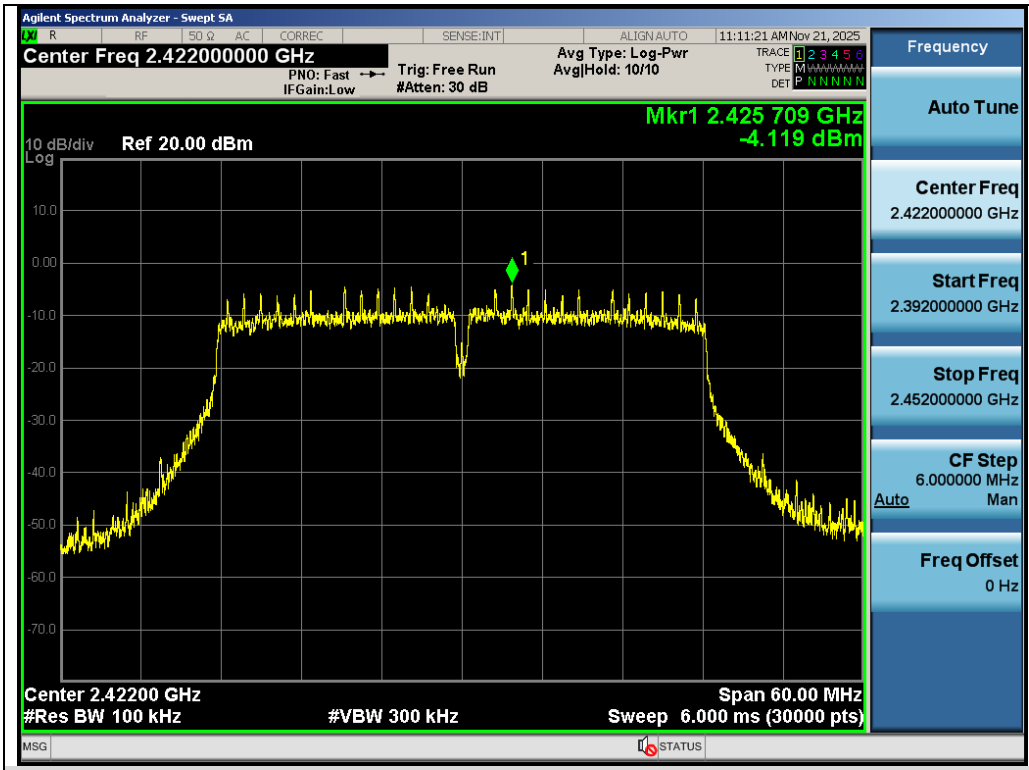



Test_Graph_802.11n20_ANT1_2462_MCS0_Lower Band Emissions

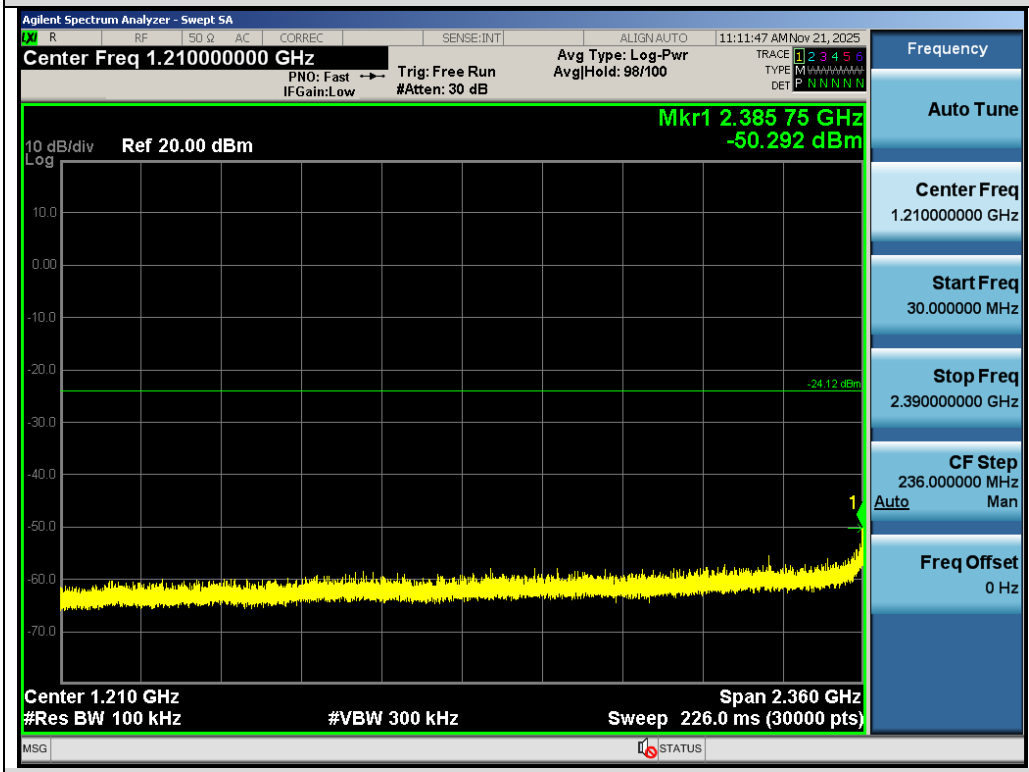



Test_Graph_802.11n20_ANT1_2462_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

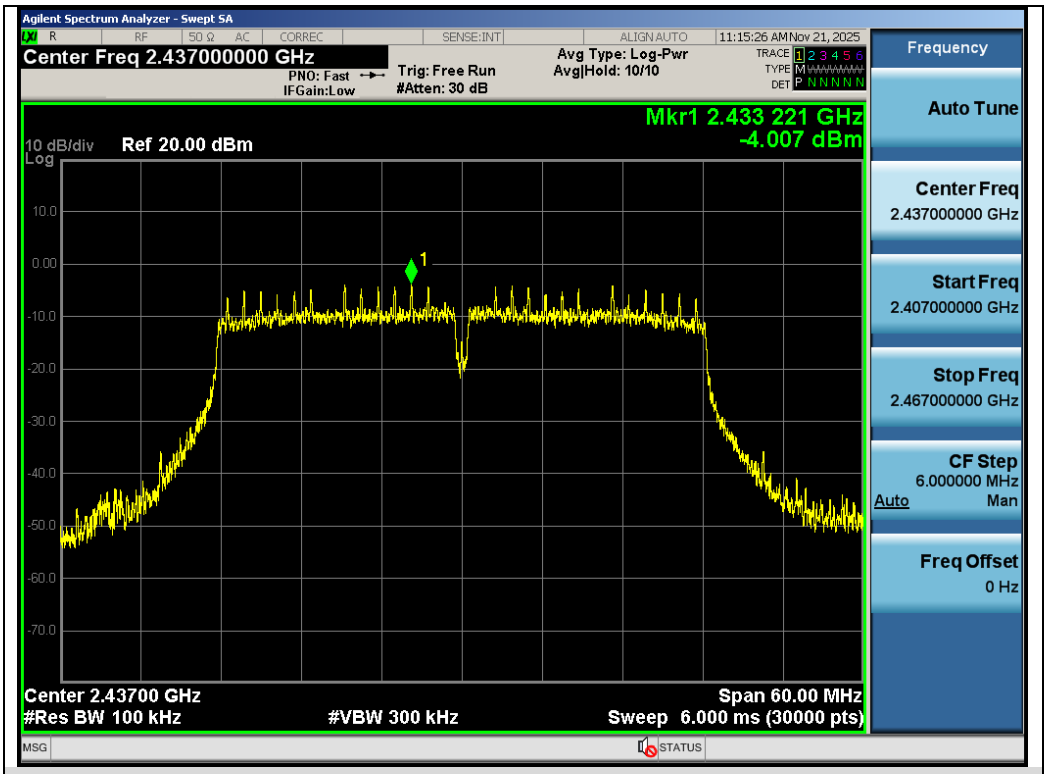



Test_Graph_802.11n40_ANT1_2422_MCS0_Lower Band Emissions

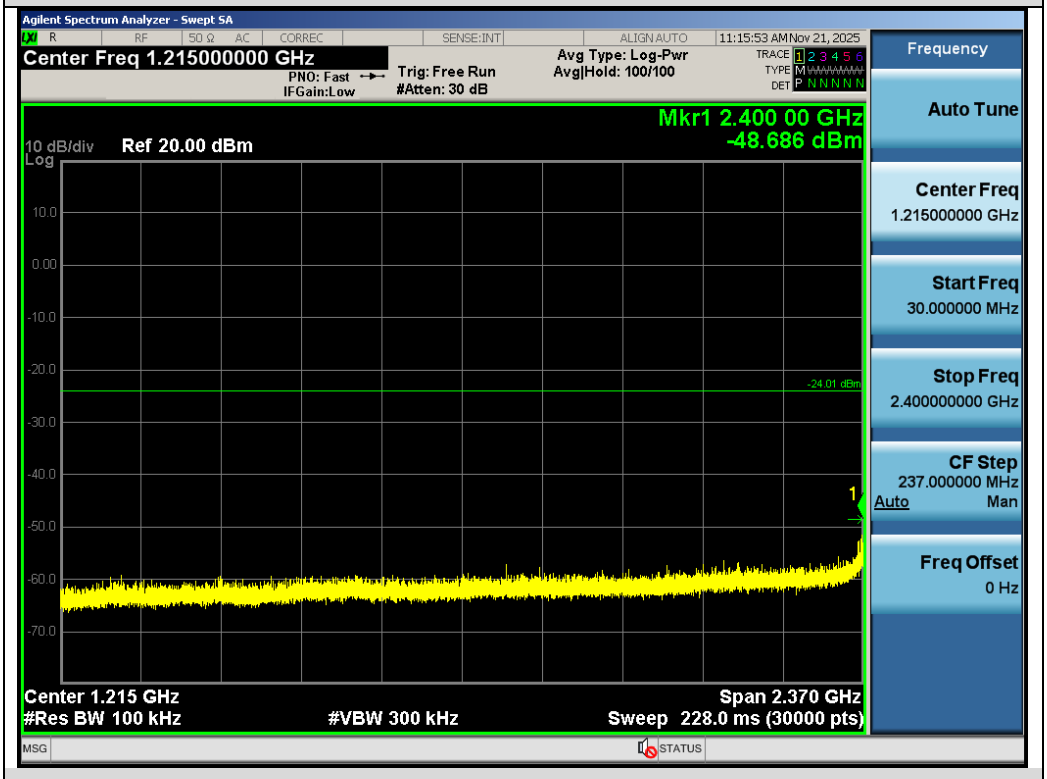



Test_Graph_802.11n40_ANT1_2422_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

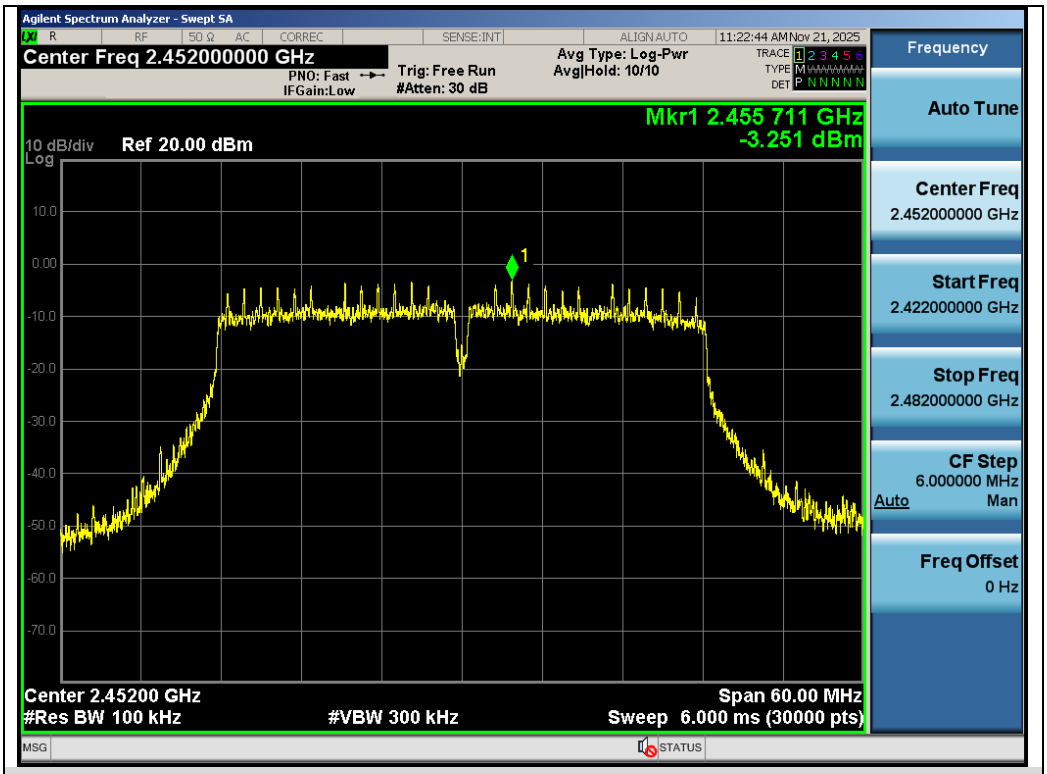



Test_Graph_802.11n40_ANT1_2437_MCS0_Lower Band Emissions

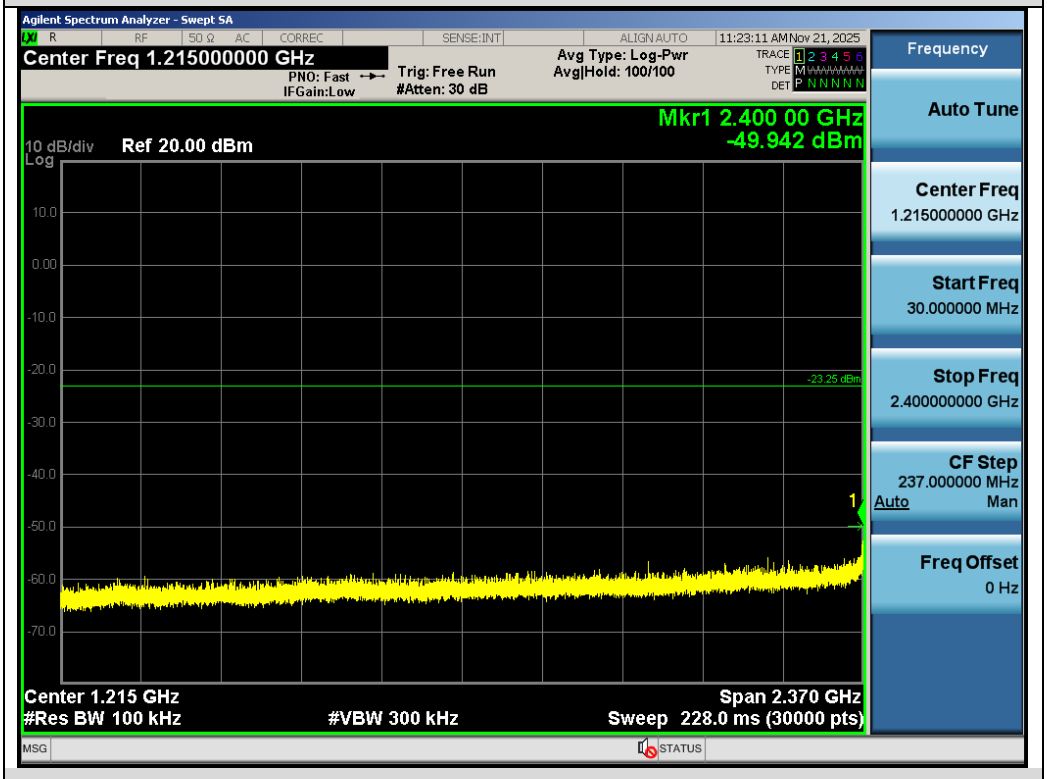



Test_Graph_802.11n40_ANT1_2437_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

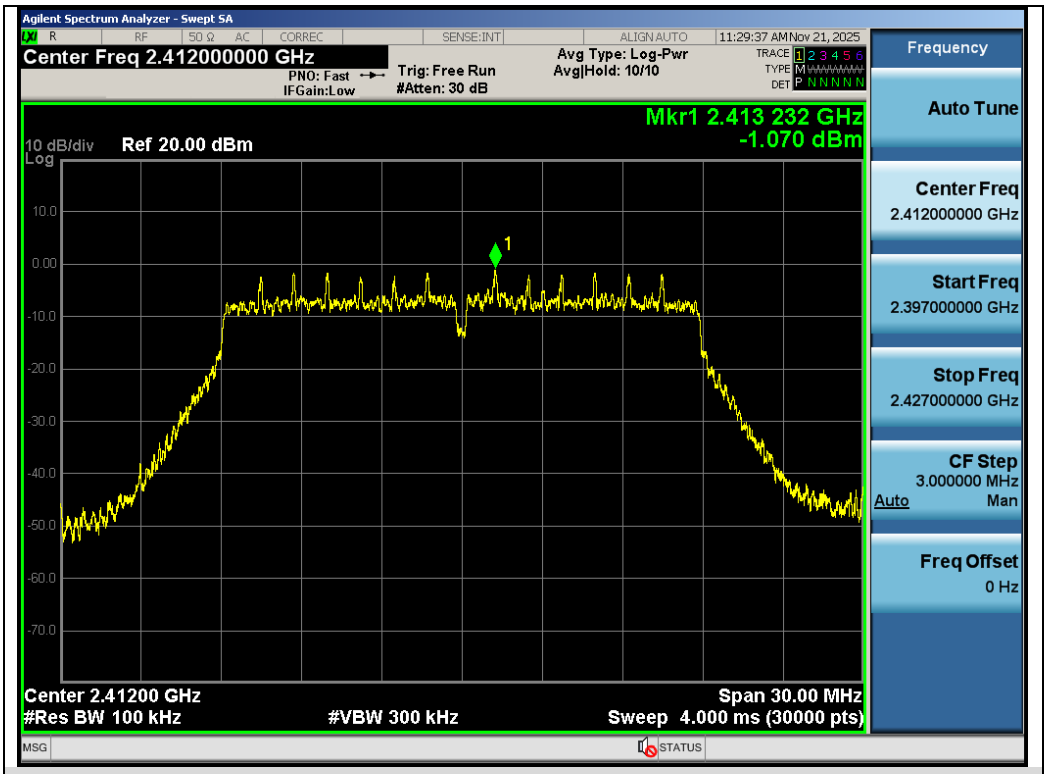



Test_Graph_802.11n40_ANT1_2452_MCS0_Lower Band Emissions

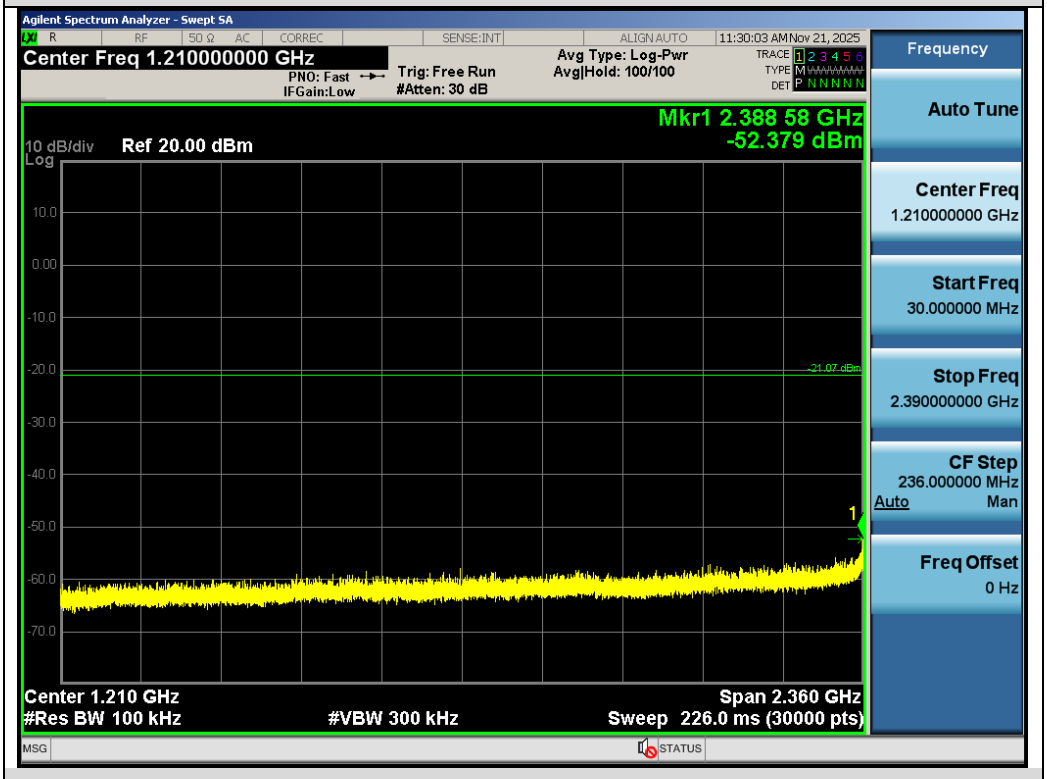



Test_Graph_802.11n40_ANT1_2452_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

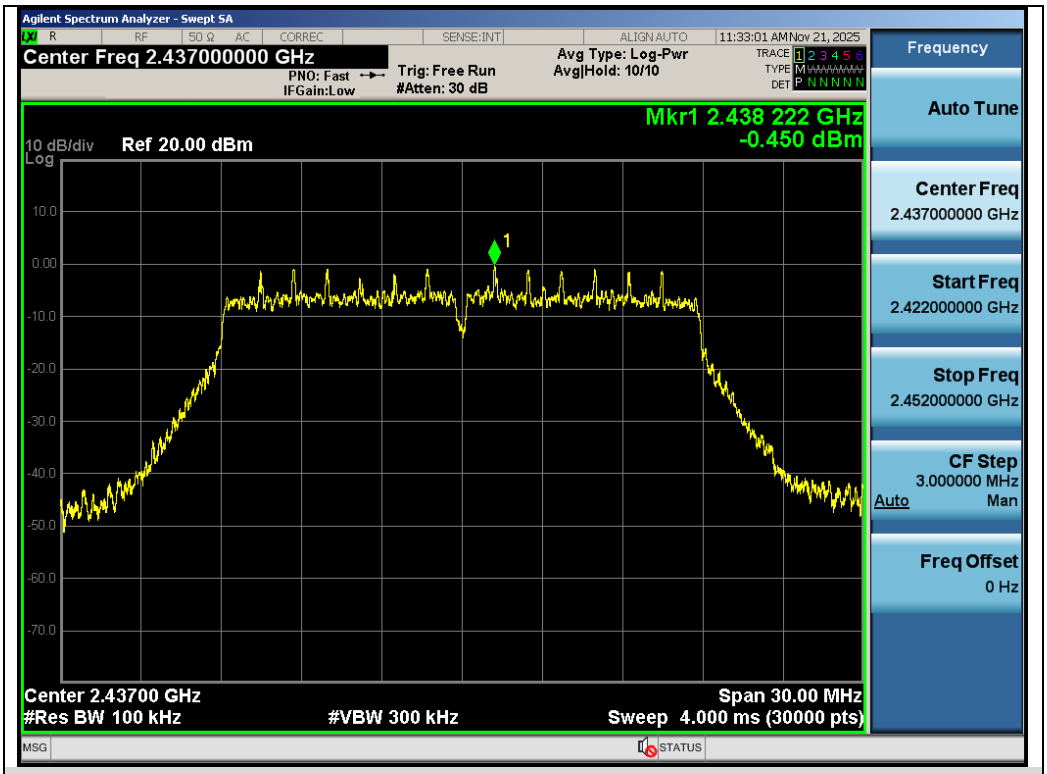



Test_Graph_802.11ax20_ANT1_2412_MCS0_Lower Band Emissions

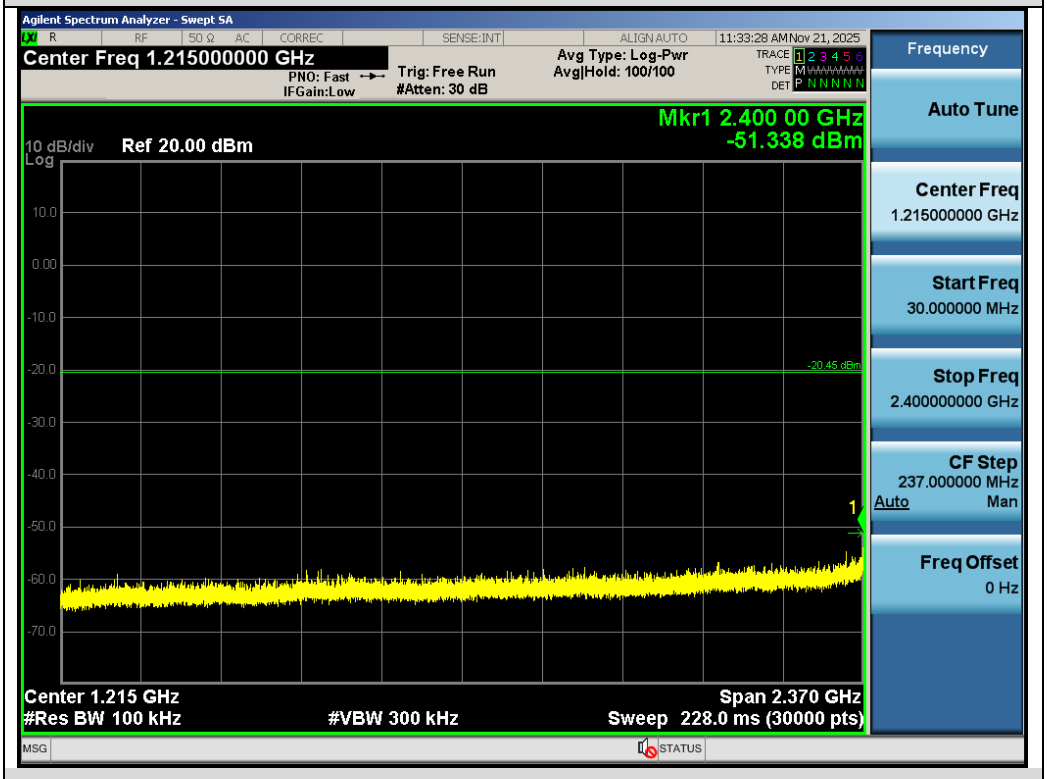



Test_Graph_802.11ax20_ANT1_2412_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

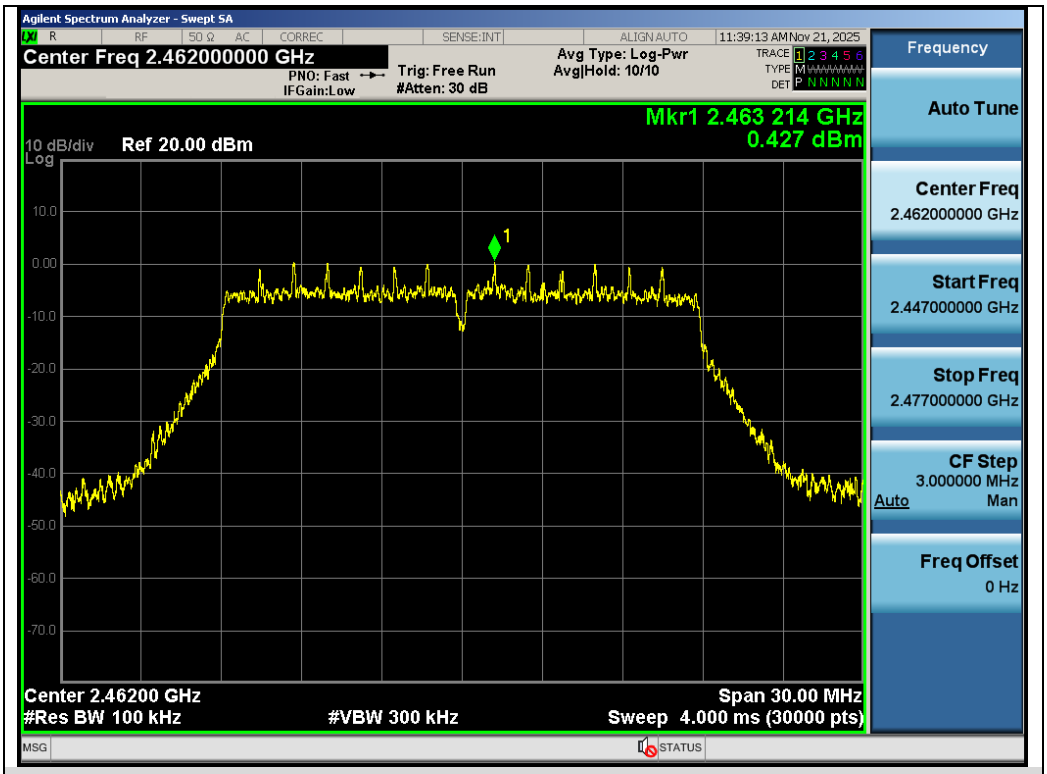



Test_Graph_802.11ax20_ANT1_2437_MCS0_Lower Band Emissions

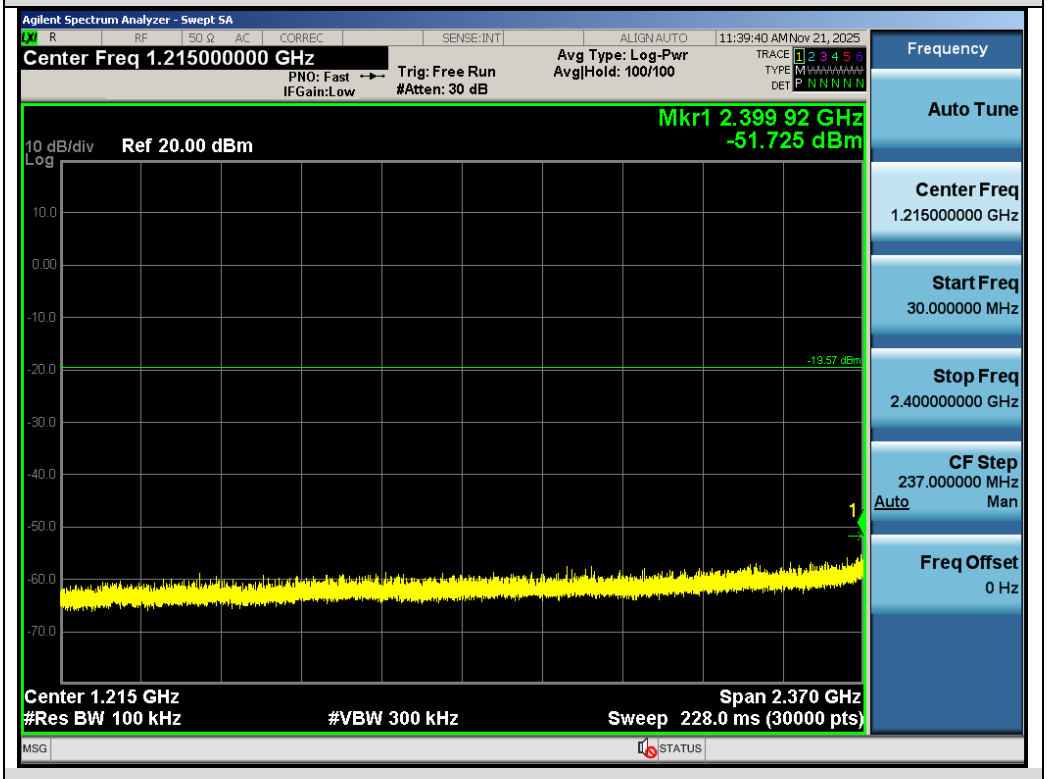



Test_Graph_802.11ax20_ANT1_2437_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

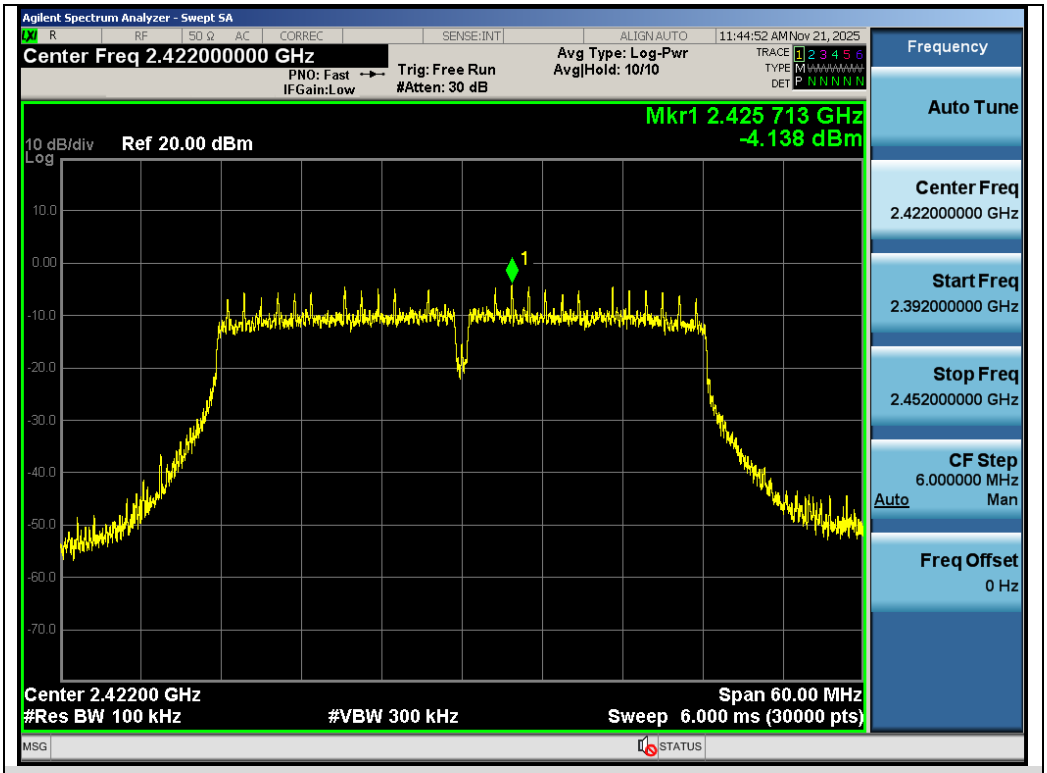



Test_Graph_802.11ax20_ANT1_2462_MCS0_Lower Band Emissions

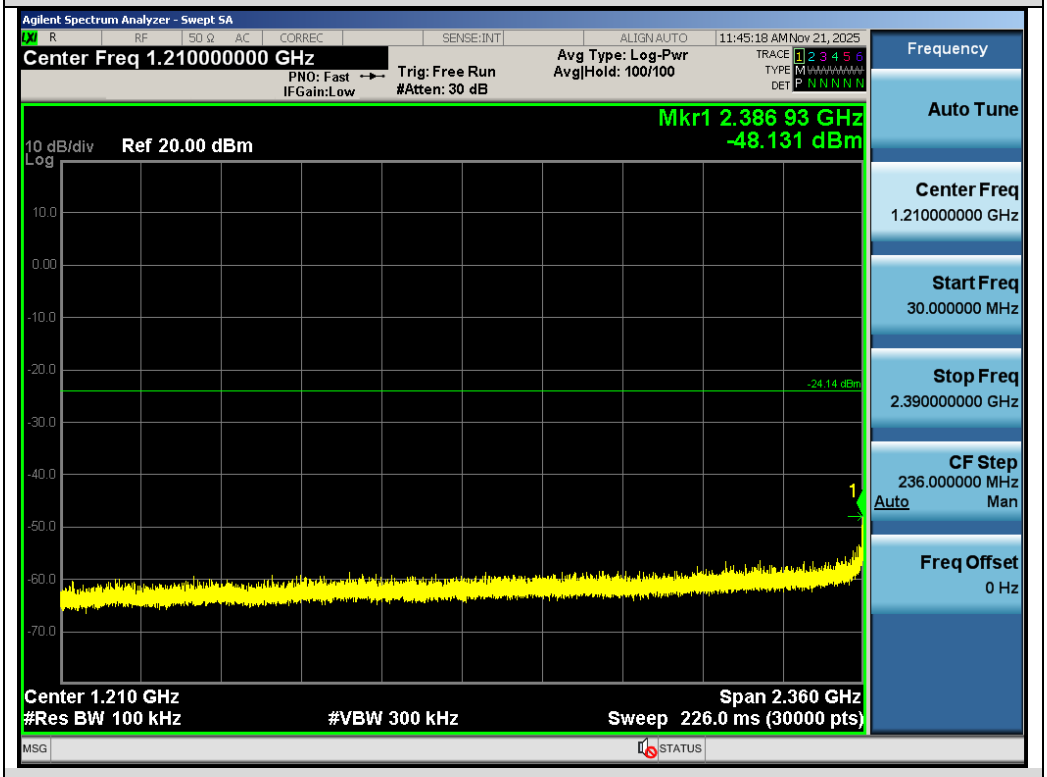



Test_Graph_802.11ax20_ANT1_2462_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

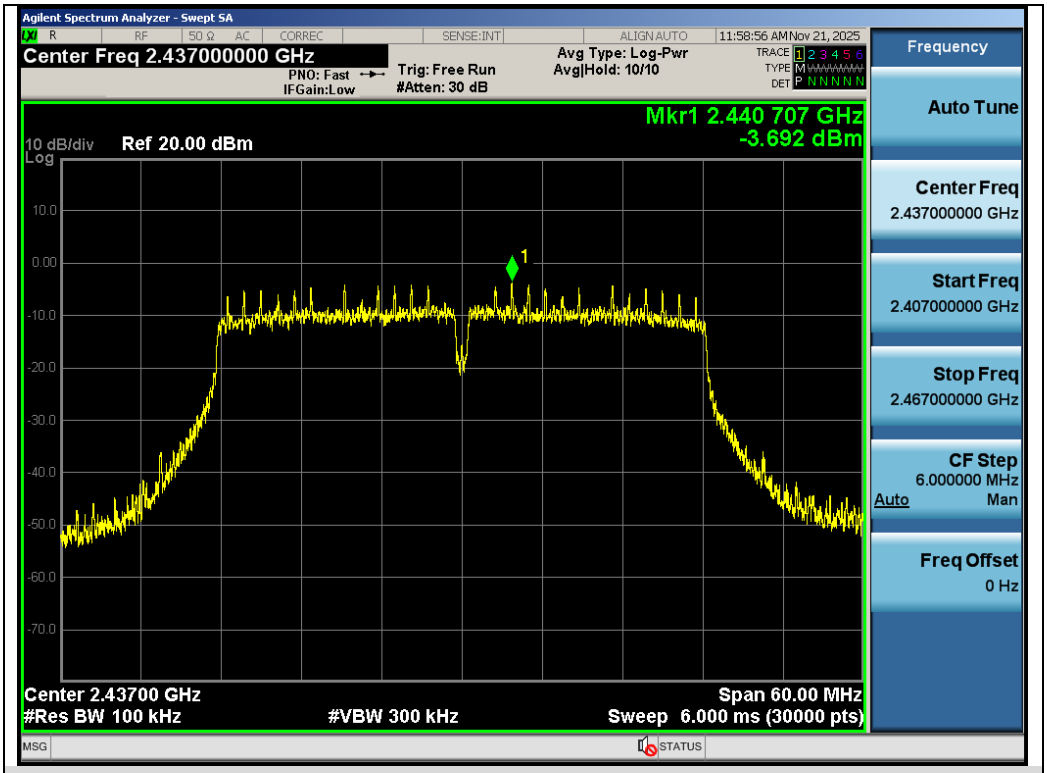



Test_Graph_802.11ax40_ANT1_2422_MCS0_Lower Band Emissions

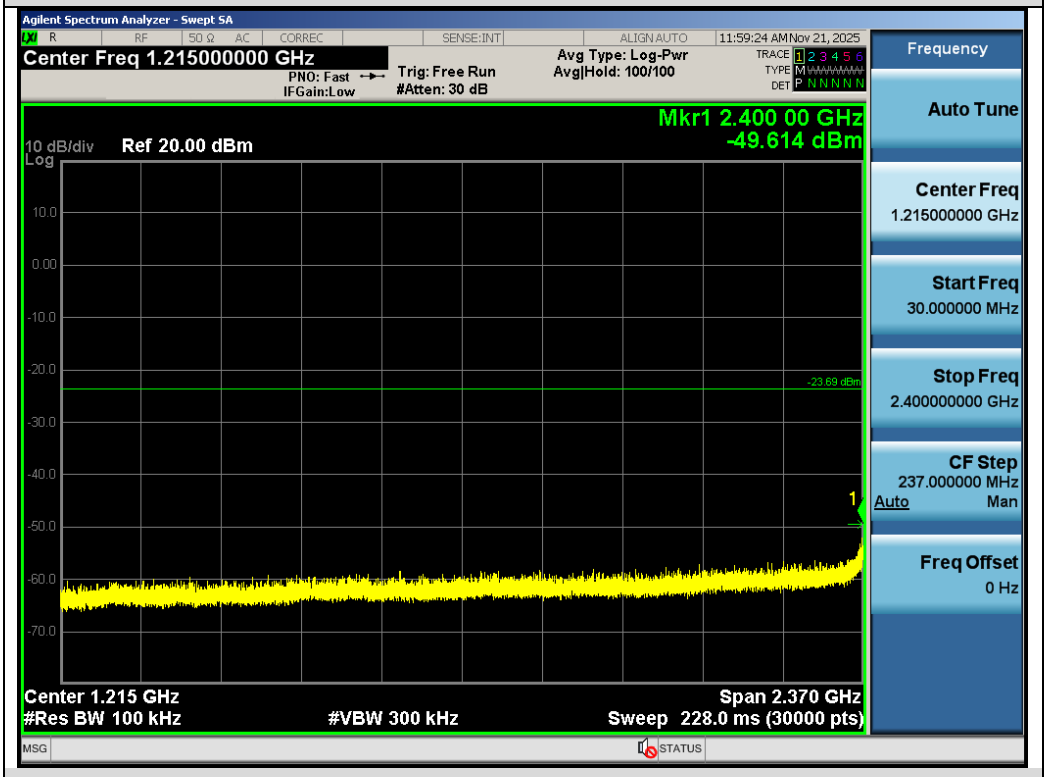



Test_Graph_802.11ax40_ANT1_2422_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

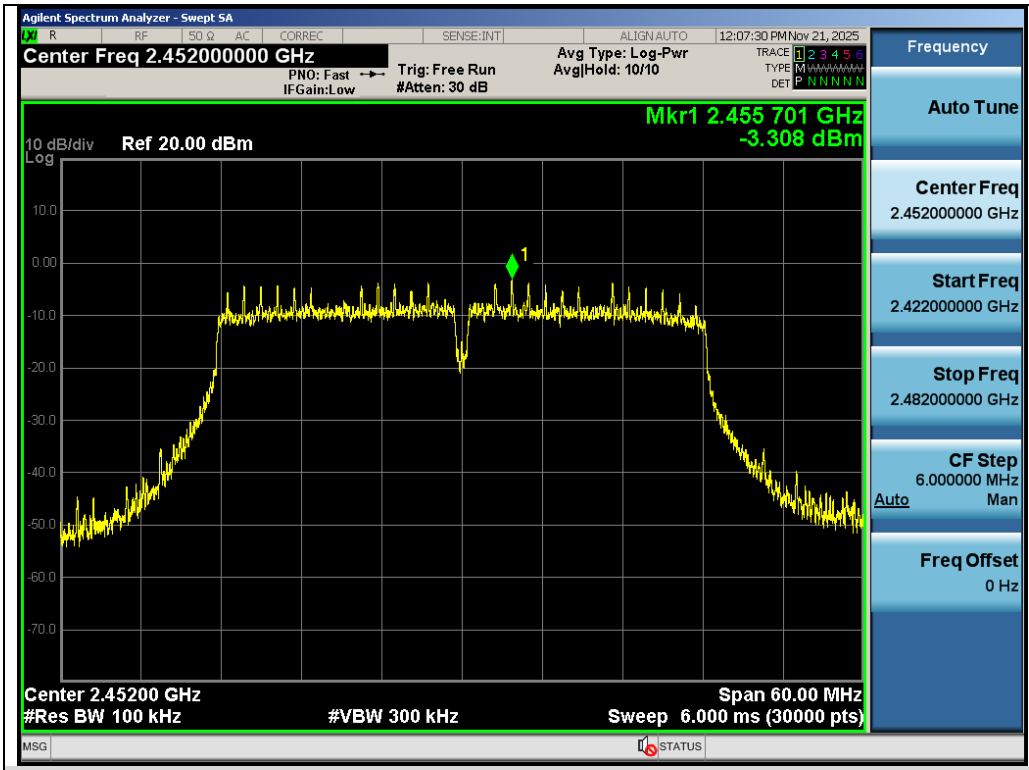



Test_Graph_802.11ax40_ANT1_2437_MCS0_Lower Band Emissions

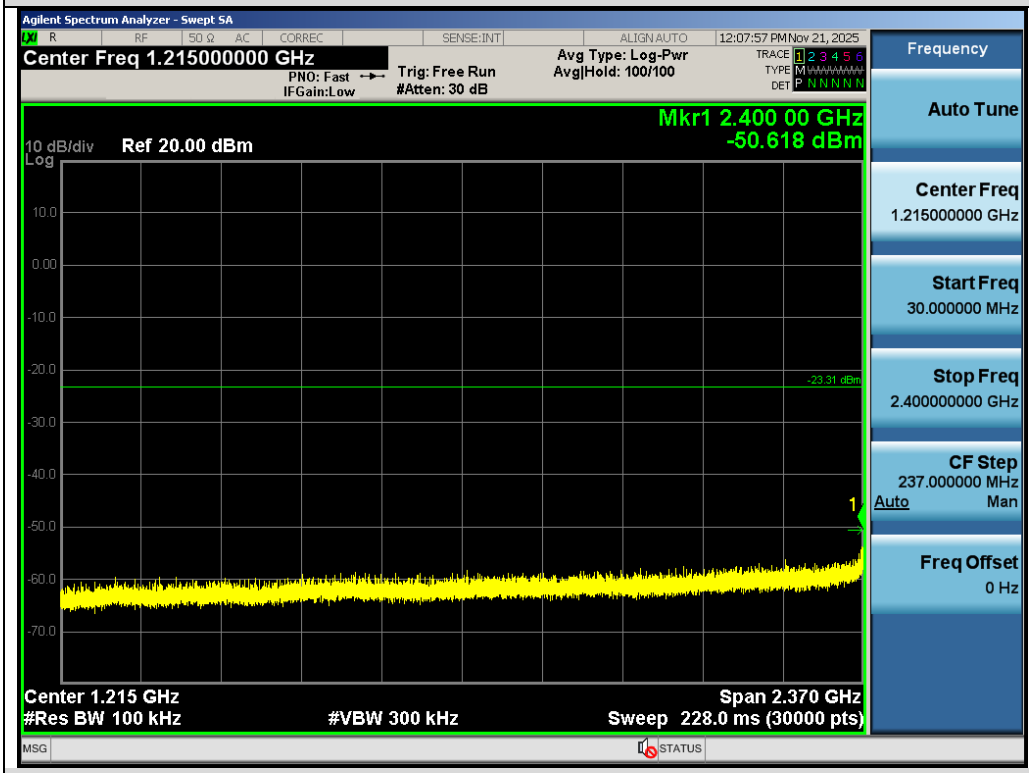



Test_Graph_802.11ax40_ANT1_2437_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.



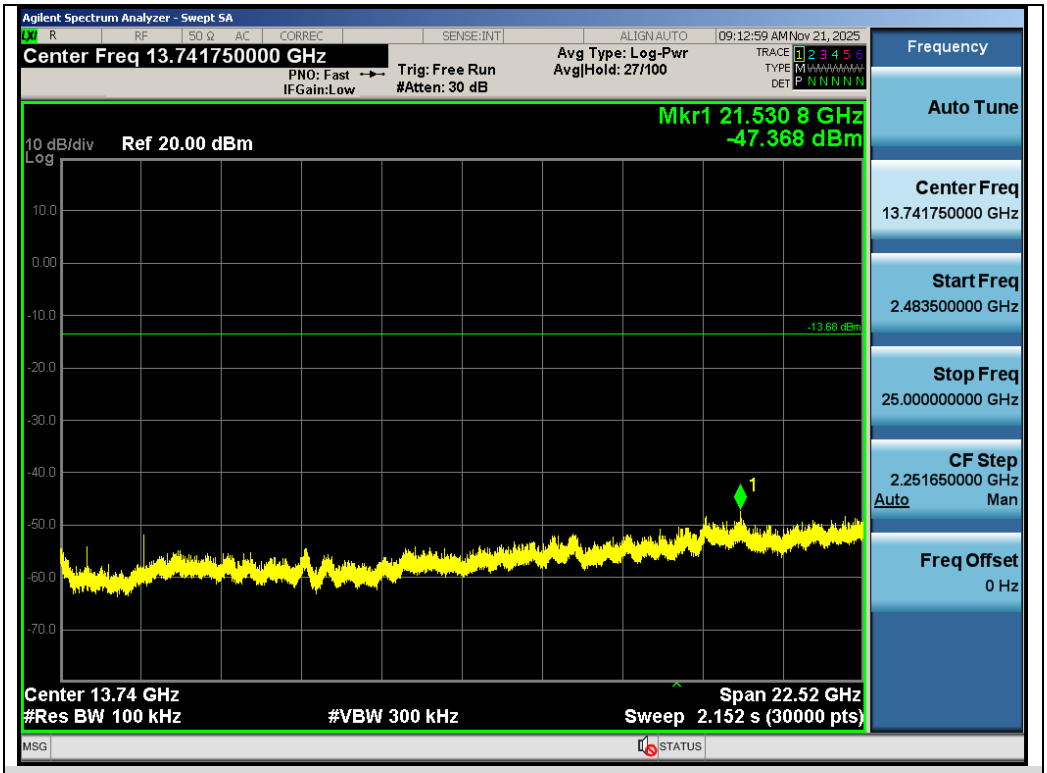

Test_Graph_802.11ax40_ANT1_2452_MCS0_Lower Band Emissions



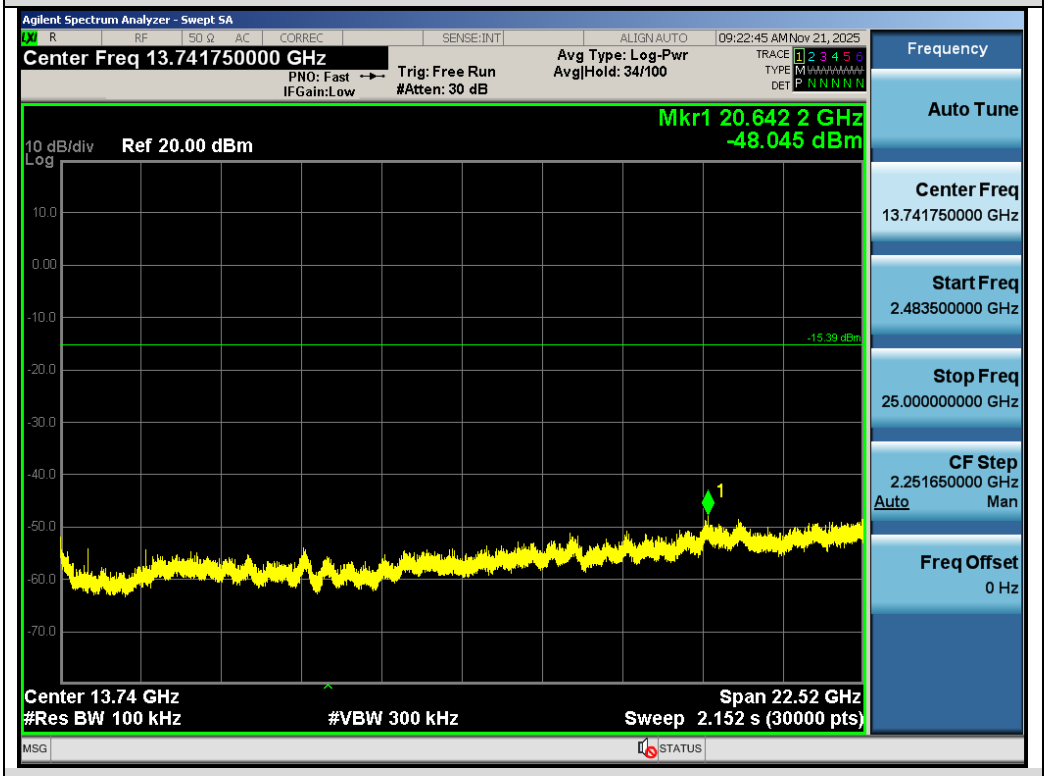

Test_Graph_802.11ax40_ANT1_2452_MCS0_Higher Band Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

## Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands




Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Edge Emissions




Test_Graph_802.11b_ANT1_2437_1Mbps_Lower Band Edge Emissions

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.