



FCC RADIO TEST REPORT

| FCC ID | : TVE-240703 |
|----------------|--|
| Equipment | : Secured Network Extension Device |
| Brand Name | : FORTINET FURTINET |
| Model Name | : FortiExtender 511G-WiFixxxxxxxxx, |
| | FORTIEXTENDER-511G-WiFixxxxxxxxx, |
| | FEX-511G-WiFixxxxxxxxx |
| | (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only) |
| Marketing Name | : FortiExtender 511G-WiFi |
| Applicant | : Fortinet, Inc. |
| | 909 Kifer Road, Sunnyvale, CA. 94086 USA |
| Manufacturer | : TVE-240703 |
| Standard | : FCC Part 15 Subpart C §15.247 |

The product was received on Sep. 02, 2024 and testing was performed from Sep. 11, 2024 to Nov. 16, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu Sporton International Inc. Wensan Laboratory No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



Table of Contents

| Hi | story o | f this test report | 3 |
|--------------------|---|--|---|
| Sι | immary | / of Test Result | 4 |
| 1 | Gener | al Description | 5 |
| | 1.1 | Product Feature of Equipment Under Test | 5 |
| | 1.2 | Modification of EUT | 7 |
| | 1.3 | Testing Location | 8 |
| | 1.4 | Applicable Standards | 8 |
| 2 | Test C | Configuration of Equipment Under Test | 9 |
| | 2.1 | Carrier Frequency and Channel | 9 |
| | 2.2 | Test Mode | .10 |
| | 2.3 | Connection Diagram of Test System | .12 |
| | 2.4 | Support Unit used in test configuration and system | .12 |
| | 2.5 | EUT Operation Test Setup | .13 |
| | 2.6 | Measurement Results Explanation Example | .13 |
| | | | |
| 3 | Test F | Result | .14 |
| 3 | Test F 3.1 | 6dB and 99% Bandwidth Measurement | |
| 3 | | | .14 |
| 3 | 3.1 | 6dB and 99% Bandwidth Measurement | .14 .15 |
| 3 | 3.1 3.2 | 6dB and 99% Bandwidth Measurement Output Power Measurement | . 14 . 15 . 17 |
| 3 | 3.1 3.2 3.3 | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement | .14 .15 .17 .19 |
| 3 | 3.1 3.2 3.3 3.4 | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement AC Conducted Emission Measurement | . 14 . 15 . 17 . 19 . 20 . 24 |
| 3 | 3.1 3.2 3.3 3.4 3.5 | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement | . 14 . 15 . 17 . 19 . 20 . 24 |
| 3 | 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement AC Conducted Emission Measurement | .14 .15 .17 .19 .20 .24 .26 |
| | 3.1 3.2 3.3 3.4 3.5 3.6 3.7 List o | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement AC Conducted Emission Measurement Antenna Requirements | . 14 . 15 . 17 . 19 . 20 . 24 . 26 . 27 |
| 4 | 3.1 3.2 3.3 3.4 3.5 3.6 3.7 List o Measu | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement AC Conducted Emission Measurement Antenna Requirements f Measuring Equipment | . 14 . 15 . 17 . 19 . 20 . 24 . 26 . 27 |
| 4 5 Ap | 3.1 3.2 3.3 3.4 3.5 3.6 3.7 List o Measu | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement AC Conducted Emission Measurement Antenna Requirements f Measuring Equipment | . 14 . 15 . 17 . 19 . 20 . 24 . 26 . 27 |
| 4 5 Ar Ar | 3.1 3.2 3.3 3.4 3.5 3.6 3.7 List o Measu opendix | 6dB and 99% Bandwidth Measurement Output Power Measurement Power Spectral Density Measurement Conducted Band Edges and Spurious Emission Measurement Radiated Band Edges and Spurious Emission Measurement AC Conducted Emission Measurement AC Conducted Emission Measurement Antenna Requirements f Measuring Equipment urement Uncertainty | . 14 . 15 . 17 . 19 . 20 . 24 . 26 . 27 |

Appendix E. Setup Photographs



History of this test report

| Report No. | Version | Description | Issue Date |
|------------|---------|-------------------------|---------------|
| FR490210B | 01 | Initial issue of report | Nov. 28, 2024 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|------------------|--------------------|---|-----------------------|--|
| 3.1 | 15.247(a)(2) | 6dB Bandwidth | Pass | - |
| 3.1 | 2.1049 | 99% Occupied Bandwidth | Pass | - |
| 3.2 | 15.247(b) | Power Output Measurement | Pass | - |
| 3.3 | 15.247(e) | Power Spectral Density | Pass | - |
| 3.4 | 15 047(d) | Conducted Band Edges | Pass | - |
| 3.4 | 15.247(d) | Conducted Spurious Emission | Pass | - |
| 3.5 | 15.247(d) | Radiated Band Edges and Radiated Spurious Emission | Pass | 1.02 dB under the limit at 2485.43 MHz |
| 3.6 | 15.207 | AC Conducted Emission | Pass | 14.41 dB under the limit at 0.40 MHz |
| 3.7 | 15.203 | Antenna Requirement | Pass | - |

Conformity Assessment Condition:

 The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo Report Producer: Wilda Wei

^{2.} The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".



1 General Description

1.1 Product Feature of Equipment Under Test

| Product Feature |
|--|
| General Specs |
| WCDMA/LTE/5G NR, Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/VHT/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and GNSS. |
| Antenna Type |
| WWAN: Dipole Antenna |
| WLAN |
| <ant. 1="">: Dipole Antenna</ant.> |
| <ant. 2="">: Dipole Antenna</ant.> |
| Bluetooth-LE: PCB Antenna |
| GPS / Glonass / BDS / Galileo: Dipole Antenna |
| |

| Antenna information | | | | |
|-----------------------|------------------|--------------|--|--|
| 2400 MHz ~ 2483.5 MHz | Peak Gain (dBi) | Ant. 1: 3.31 | | |
| | Feak Gaili (UDI) | Ant. 2: 3.31 | | |

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii) Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows: For power measurements on IEEE 802.11 devices, Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \le 4$. G_{ANT} is set equal to the gain of the antenna having the highest gain. For PSD measurements, the directional gain calculation.

Array Gain = 10 log(NANT/NSS) dB.

The directional gain "DG" is calculated as following table.

| | | | DG | DG | Power | PSD |
|--------|-------|-------|-------|-------|-----------|-----------|
| | | | for | for | Limit | Limit |
| | Ant 1 | Ant 2 | Power | PSD | Reduction | Reduction |
| | (dBi) | (dBi) | (dBi) | (dBi) | (dB) | (dB) |
| 2.4GHz | 3.31 | 3.31 | 3.31 | 6.32 | 0.00 | 0.32 |

Calculation example:

If a device has two antenna, G_{ANT1}= 3.31dBi; G_{ANT2}=3.31dBi

Directional gain of power measurement = max(3.31, 3.31) + 0 = 3.31 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.31 dBi / 20) + 10^ (3.31 dBi / 20)] ^ 2 } / 2 }

= 6.32 dBi

Power limit reduction = Composite gain - 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain - 6dBi, (min = 0)



<TXBF Modes>

The EUT supports beamforming modes , then

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)e)ii)

Directional gain = GANT + 10 log(NANT/NSS) dBi,

where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi

The directional gain "DG" is calculated as following table.

| | | | DG | DG | Power | PSD |
|--------|-------|-------|-------|-------|-----------|-----------|
| | | | for | for | Limit | Limit |
| | Ant 1 | Ant 2 | Power | PSD | Reduction | Reduction |
| | (dBi) | (dBi) | (dBi) | (dBi) | (dB) | (dB) |
| 2.4GHz | 3.31 | 3.31 | 6.32 | 6.32 | 0.32 | 0.32 |

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (3.31 dBi / 20) + 10^ (3.31 dBi / 20)] ^ 2 } / 2 }

= 6.32 dBi

Power and PSD limit reduction = Composite gain - 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

| Test Site | Sporton International Inc. EMC & Wireless Communications Laboratory | | |
|--------------------|---|--|--|
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978 | | |
| Test Site No. | Sporton Site No. | | |
| Test Sile No. | CO05-HY (TAF Code: 1190) | | |
| Remark | The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory. | | |

Note: The test site complies with ANSI C63.4 2014 requirement.

| Test Site | Sporton International Inc. Wensan Laboratory |
|---|--|
| Test Site Location No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855 | |
| Sporton Site No. TH05-HY, 03CH20-HY | |

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

- 1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.
- 3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in two antenna degrees (Ant. 0° and Ant. 90°), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|-----------------|---------|----------------|---------|----------------|
| | 1 | 2412 | 7 | 2442 |
| 2400-2483.5 MHz | 2 | 2417 | 8 | 2447 |
| | 3 | 2422 | 9 | 2452 |
| | 4 | 2427 | 10 | 2457 |
| | 5 | 2432 | 11 | 2462 |
| | 6 | 2437 | | |



2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is chosen as main test configuration.

The power for 802.11ac mode is smaller than 802.11n mode, so all other conducted and radiated test is covered by 802.11n mode.

The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

| Modulation | Data Rate |
|--------------------------------|-----------|
| 802.11b | 1 Mbps |
| 802.11g | 6 Mbps |
| 802.11n HT20 | MCS0 |
| 802.11n HT40 | MCS0 |
| 802.11 VHT20 (Covered by HT20) | MCS0 |
| 802.11 VHT40 (Covered by HT40) | MCS0 |
| 802.11ax HE20 | MCS0 |
| 802.11ax HE40 | MCS0 |

TXBF Mode

| Modulation | Data Rate |
|---------------|-----------|
| 802.11n HT20 | MCS0 |
| 802.11n HT40 | MCS0 |
| 802.11 VHT20 | MCS0 |
| 802.11 VHT40 | MCS0 |
| 802.11ax HE20 | MCS0 |
| 802.11ax HE40 | MCS0 |

Remark:

- 1. The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.
- The power for TXBF mode is smaller than CDD mode, so all other conducted and radiated test is covered by CDD mode..



| | Test Cases |
|-----------------------------|--|
| AC Conducted Emission | Mode 1: Bluetooth-LE Link + WLAN (2.4GHz) Link + Console with Notebook + Data Link with USB Flash Drive + SFP Port load + Adapter + LAN Port 2 & 3 Loop back + LAN Port 1 Link with Notebook + LAN Port 4 Link with Notebook + WAN Port Link with Notebook Mode 2: Bluetooth-LE Link + WLAN (2.4GHz) Link + Console with Notebook + Data Link with USB Flash Drive + SFP Port load + PoE Adapter (LAN Port 4) + LAN Port 2 & 3 Loop back + LAN Port 1 Link with Notebook + LAN Port 4 Link with Notebook + SIM1 + WAN Port Link with Notebook |
| Remark: | |

1. The worst case of Conducted Emission is mode 2; only the test data of it was reported.

2. Data Link with USB Flash Drive means data application transferred mode between EUT and USB Flash Drive.

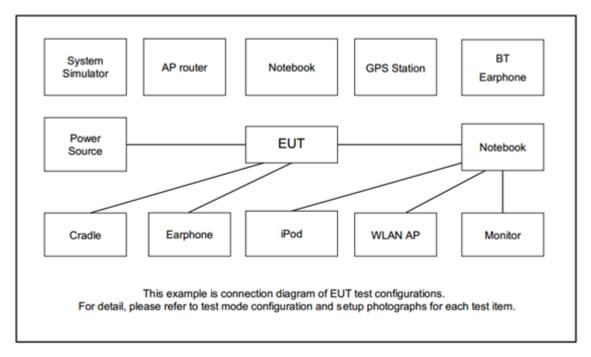
| Ch. # | | | | |
|----------|---------|----------------------|----|--------------|
| Gn. # | 802.11b | 802.11g 802.11n HT20 | | 802.11n HT40 |
| Law | Low 01 | 01 | 01 | 03 |
| LOW | | 02 | 02 | 04 |
| Mistella | 06 | 06 | 06 | 06 |
| Middle | 10 | 10 | 10 | 08 |
| High | 11 | 11 | 11 | 09 |

| Ch. # | 2400-2483.5 MHz | | | | |
|--------|-----------------|---------------|--|--|--|
| CII. # | 802.11ax HE20 | 802.11ax HE40 | | | |
| Low | 01 | | | | |
| Low | 02 | 03 | | | |
| Middle | 06 | 06 | | | |
| Middle | 10 | 08 | | | |
| High | 11 | 09 | | | |

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.



2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

| ltem | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------------|------------|-----------------|--------------|------------|--|
| 1. | WLAN AP | ASUS | RT-AX88U | MSQ-RTAXHP00 | N/A | Unshielded,1.8m |
| 2. | Notebook | DELL | Latitude 3420 | FCC DoC | N/A | AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m |
| 3. | PC | MSI | Aegis-B918 | FCC DoC | N/A | Unshielded, 1.8m |
| 4. | Mobile Phone | Samsung | GT-N7000 | A3LSMA730F | N/A | N/A |
| 5. | USB Flash Drive | Kingston | DTSE9 | FCC DoC | N/A | N/A |
| 6. | POE Adapter | Mircosmei | PD-9001GR/AT/AC | FCC DoC | N/A | N/A |
| 7. | Adapter | APD | WA-36W12R | N/A | N/A | Unshielded, 1.8m |



2.5 EUT Operation Test Setup

The RF test items, utility "QRCT 4.0.211.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

 $Offset(dB) = RF \ cable \ loss(dB) + attenuator \ factor(dB).$ = 4.2 + 10 = 14.2 (dB)



3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

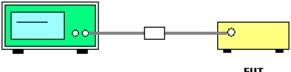
3.1.2 Measuring Instruments

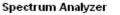
Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
- 5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) \ge 3 * RBW.
- 6. Measure and record the results in the test report.

3.1.4 Test Setup





EUT

3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

<CDD Modes>

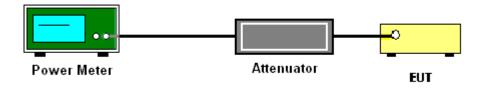
- 1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
- 2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.
- 5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- 6.

<TXBF Modes>

- 1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
- 2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.
- 5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.



3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

<CDD Modes>

Method AVGPSD-2

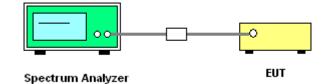
- 1. The testing follows the ANSI C63.10 Section 11.10.5 Method AVGPSD-2.
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 10 kHz.
 Video bandwidth VBW = 30 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW).
- Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins).
- 6. Detector = RMS, Sweep time = auto couple.
- 7. Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.
- 9. Measure and record the results in the test report.
- 10. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add 10 $log(N_{ANT})$ dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 $log(N_{ANT})$ dB is added to each spectrum value before comparing to the emission limit. The addition of 10 $log(N_{ANT})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.



3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
- 5. Measure and record the results in the test report.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



Spectrum Analyzer

3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Please refer to Appendix A.

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device is measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

| Frequency | Field Strength | Measurement Distance |
|---------------|--------------------|----------------------|
| (MHz) | (microvolts/meter) | (meters) |
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 – 1.705 | 24000/F(kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
- 2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
- 3. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
- 4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".

FCC RADIO TEST REPORT

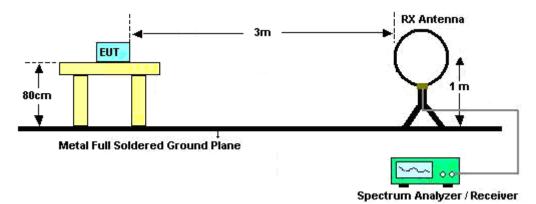
- 7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".
- 8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 100 kHz for f < 1 GHz; VBW \ge RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3 MHz for $f \geq$ 1 GHz for peak measurement.

For average measurement:

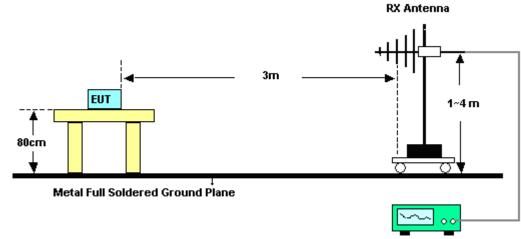
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

For radiated emissions below 30MHz

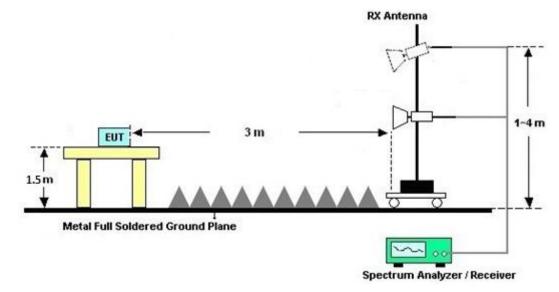


For radiated emissions from 30MHz to 1GHz



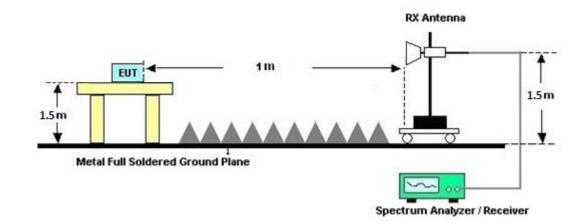
Spectrum Analyzer / Receiver

For radiated test from 1GHz to 18GHz





For radiated test above 18GHz



3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C.



3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

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

*Decreases with the logarithm of the frequency.

3.6.2 Measuring Instruments

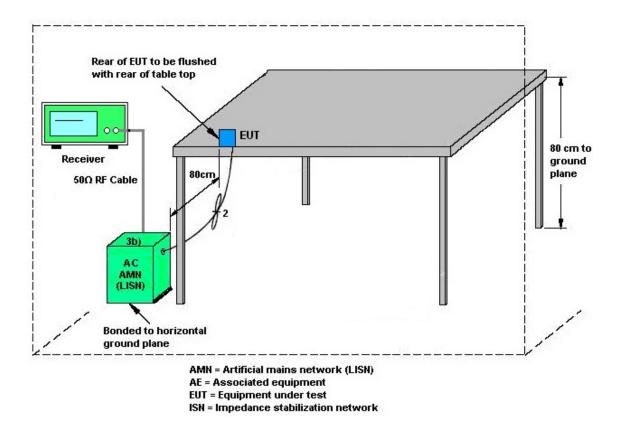
Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

- 1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
- 6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
- 7. The frequency range from 150 kHz to 30 MHz is scanned.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.



3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

| TEL : 886-3-327-0868 | Page Number | : 25 of 29 |
|---|----------------|-----------------|
| FAX : 886-3-327-0855 | Issue Date | : Nov. 28, 2024 |
| Report Template No.: BU5-FR15CWLAC MA Version 2.4 | Report Version | : 01 |



3.7 Antenna Requirements

3.7.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.7.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration | Test Date | Due Date | Remark |
|-----------------------------|--------------------|---------------------------------|--------------------------------|----------------------------------|-----------------------|----------------------------------|---------------|--------------------------|
| EMI Test Receiver | Keysight | N9038B | MY62210111 | N/A | Date Sep. 03, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | Sep. 02, 2025 | Radiation (03CH20-HY) |
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100488 | 9 kHz~30 MHz | Aug. 29, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | Aug. 28, 2025 | Radiation (03CH20-HY) |
| Preamplifier | EMEC | EM18G40G | 060801 | 18GHz~40GHz | May 27, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | May 26, 2025 | Radiation (03CH20-HY) |
| Controller | ChainTek | 3000-1 | N/A | Control Turn table & Ant Mast | N/A | Sep. 20, 2024~ Nov. 13, 2024 | N/A | Radiation (03CH20-HY) |
| Antenna Mast | ChainTek | MBS-520-1 | N/A | 1m~4m | N/A | Sep. 20, 2024~ Nov. 13, 2024 | N/A | Radiation (03CH20-HY) |
| Turn Table | ChainTek | T-200-S-1 | N/A | 0~360 Degree | N/A | Sep. 20, 2024~ Nov. 13, 2024 | N/A | Radiation (03CH20-HY) |
| Signal Analyzer | Keysight | N9010B | MY60240520 | N/A | Dec. 12, 2023 | Sep. 20, 2024~ Nov. 13, 2024 | Dec. 11, 2024 | Radiation (03CH20-HY) |
| Bilog Antenna | TESEQ | CBL 6111D&00802N1 D01N-06 | 55606 & 08 | 30MHz~1GHz | Oct. 20, 2023 | Sep. 20, 2024~ Oct. 09, 2024 | Oct. 19, 2024 | Radiation (03CH20-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N-06 | 41912 & 05 | 30MHz~1GHz | Feb. 04, 2024 | Oct. 10, 2024 ~ Nov. 13, 2024 | Feb. 03, 2025 | Radiation (03CH20-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 02360 | 1GHz-18GHz | Oct. 30, 2023 | Sep. 20, 2024~ Oct. 09, 2024 | Oct. 29, 2024 | Radiation (03CH20-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-02038 | 1GHz~18GHz | Jul. 29, 2024 | Oct. 10, 2024 ~ Oct. 31, 2024 | Jul. 28, 2025 | Radiation (03CH20-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 02360 | 1GHz-18GHz | Nov. 01, 2024 | Nov. 01, 2024~ Nov. 13, 2024 | Oct. 31, 2025 | Radiation (03CH20-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA 9170 | 1224 | 18GHz-40GHz | Jun. 24, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | Jun. 23, 2025 | Radiation (03CH20-HY) |
| Preamplifier | COM-POWER | PAM-103 | 18020201 | 1MHz-1000MHz | Jan. 01, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | Dec. 31, 2024 | Radiation (03CH20-HY) |
| Amplifier | EMCI | EMC118A45SE | 980792 | N/A | Nov. 13, 2023 | Sep. 20, 2024~ Nov. 11, 2024 | Nov. 12, 2024 | Radiation (03CH20-HY) |
| Amplifier | EMCI | EMC118A45SE | 980792 | N/A | Nov. 12, 2024 | Nov. 12, 2024~ Nov. 13, 2024 | Nov. 11, 2025 | Radiation (03CH20-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 519229/2,8040 15/2,804027/2 | N/A | Jan. 17, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | Jan. 16, 2025 | Radiation (03CH20-HY) |
| Hygrometer | TECPEL | DTM-303A | TP211382 | N/A | Mar. 27, 2024 | Sep. 20, 2024~ Nov. 13, 2024 | Mar. 26, 2025 | Radiation (03CH20-HY) |
| Software | Audix | N/A | RK-002156 | N/A | N/A | Sep. 20, 2024~ Nov. 13, 2024 | N/A | Radiation (03CH20-HY) |
| Hygrometer | TECPEL | DTM-303B | TP200735 | N/A | Mar. 21, 2024 | Sep. 11, 2024~ Nov. 16, 2024 | Mar. 20, 2025 | Conducted (TH05-HY) |
| Power Sensor | DARE | RPR3006W | 15I00041SNO 10 (NO:248) | 10MHz~6GHz | Jan. 10, 2024 | Sep. 11, 2024~ Nov. 16, 2024 | Jan. 09, 2025 | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101566 | 10Hz~40GHz | Aug. 23, 2024 | Sep. 11, 2024~ Nov. 16, 2024 | Aug. 22, 2025 | Conducted (TH05-HY) |
| Switch Control Mainframe | Burgeon | ETF-058 | EC1300484 (BOX3) | N/A | May 20, 2024 | Sep. 11, 2024~ Nov. 16, 2024 | May 19, 2025 | Conducted (TH05-HY) |
| Software | Sporton | BTWIFI_Final_ver sion_240513 | N/A | Conducted Other Test Item | N/A | Sep. 11, 2024~ Nov. 16, 2024 | N/A | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV3044 | 101466 | 10HZ~44GHZ | Jan. 24, 2024 | Oct. 24, 2024~ Nov. 16, 2024 | Jan. 23, 2025 | Conducted (TH05-HY) |



| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|----------------------|--------------------|---------------|------------|-----------------|---------------------|---------------------------------|---------------|-------------------------|
| AC Power Source | ChainTek | APC-1000W | N/A | N/A | N/A | Oct. 17, 2024~ Oct. 21, 2024 | N/A | Conduction (CO05-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102388 | 9kHz~3.6GHz | Dec. 06, 2023 | Oct. 17, 2024~ Oct. 21, 2024 | Dec. 05, 2024 | Conduction (CO05-HY) |
| Hygrometer | Testo | 608-H1 | 34913912 | N/A | Oct. 26, 2023 | Oct. 17, 2024~ Oct. 21, 2024 | Oct. 25, 2024 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100081 | 9kHz~30MHz | Nov. 22, 2023 | Oct. 17, 2024~ Oct. 21, 2024 | Nov. 21, 2024 | Conduction (CO05-HY) |
| Software | Rohde & Schwarz | EMC32 | N/A | N/A | N/A | Oct. 17, 2024~ Oct. 21, 2024 | N/A | Conduction (CO05-HY) |
| Pulse Limiter | SCHWARZBE CK | VTSD 9561-F N | 00691 | N/A | Jul. 30, 2024 | Oct. 17, 2024~ Oct. 21, 2024 | Jul. 29, 2025 | Conduction (CO05-HY) |
| RF Cable | HUBER + SUHNER | RG 214/U | 1358175 | 9kHz~30MHz | Mar. 14, 2024 | Oct. 17, 2024~ Oct. 21, 2024 | Mar. 13, 2025 | Conduction (CO05-HY) |



5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

| Measuring Uncertainty for a Level of Confidence | 3.7 dB |
|---|--------|
| of 95% (U = 2Uc(y)) | 5.7 dB |

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| Measuring Uncertainty for a Level of Confidence | 6.70 dB |
|---|---------|
| of 95% (U = 2Uc(y)) | 0.70 UB |

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

| Measuring Uncertainty for a Level of Confidence | 5 40 dP |
|---|---------|
| of 95% (U = 2Uc(y)) | 5.40 dB |

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

| Measuring Uncertainty for a Level of Confidence | 5.60 dB |
|---|---------|
| of 95% (U = 2Uc(y)) | 5.00 dB |

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

| Measuring Uncertainty for a Level of Confidence | 5.70 dB |
|---|---------|
| of 95% (U = 2Uc(y)) | 5.70 dB |

Appendix A. Test Result of Conducted Test Items

| Test Engineer: | Kevin Xiao | Temperature: | 21~25 | °C |
|----------------|-----------------------|--------------------|-------|----|
| Test Date: | 2024/09/11~2024/11/16 | Relative Humidity: | 51~54 | % |

<CDD Mode>

TEST RESULTS DATA 6dB and 99% Occupied Bandwidth

| | 2.4GHz Band MIMO | | | | | | | | | | | | | |
|------|------------------|-----|-----|----------------|-----------------|-----------------|-------|-----------|--------------------------|-----------|--|--|--|--|
| Mod. | Data Rate | Ντx | CH. | Freq. (MHz) | 99% Осси (MI | upied BW Hz) | • | BW Hz) | 6dB BW Limit (MHz) | Pass/Fail | | | | |
| | | | | | Ant1 | Ant2 | Ant1 | Ant2 | | | | | | |
| 11b | 1Mbps | 2 | 1 | 2412 | 12.96 | 12.96 | 8.06 | 8.04 | 0.50 | Pass | | | | |
| 11b | 1Mbps | 2 | 6 | 2437 | 12.95 | 12.96 | 8.01 | 8.03 | 0.50 | Pass | | | | |
| 11b | 1Mbps | 2 | 11 | 2462 | 13.02 | 12.97 | 7.09 | 8.06 | 0.50 | Pass | | | | |
| 11g | 6Mbps | 2 | 1 | 2412 | 16.45 | 16.43 | 15.79 | 16.00 | 0.50 | Pass | | | | |
| 11g | 6Mbps | 2 | 6 | 2437 | 16.45 | 16.43 | 15.80 | 16.27 | 0.50 | Pass | | | | |
| 11g | 6Mbps | 2 | 11 | 2462 | 16.45 | 16.43 | 16.01 | 16.02 | 0.50 | Pass | | | | |
| HT20 | MCS0 | 2 | 1 | 2412 | 17.62 | 17.62 | 16.76 | 16.73 | 0.50 | Pass | | | | |
| HT20 | MCS0 | 2 | 6 | 2437 | 17.66 | 17.83 | 17.03 | 16.67 | 0.50 | Pass | | | | |
| HT20 | MCS0 | 2 | 11 | 2462 | 17.63 | 17.63 | 17.55 | 16.51 | 0.50 | Pass | | | | |
| HT40 | MCS0 | 2 | 3 | 2422 | 36.29 | 36.30 | 35.79 | 36.30 | 0.50 | Pass | | | | |
| HT40 | MCS0 | 2 | 6 | 2437 | 36.36 | 36.77 | 36.30 | 36.00 | 0.50 | Pass | | | | |
| HT40 | MCS0 | 2 | 9 | 2452 | 36.23 | 36.28 | 36.03 | 36.30 | 0.50 | Pass | | | | |

Report Number : FR490210B

TEST RESULTS DATA Average Output Power

| | 2.4GHz Band MIMO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------------------|-----|-----|----------------|-------|--------------------------------------|-------|-----------|----------------------------|----------|------------|-------------------|------|-----------|-------------------------|---------------|-----|------|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|------|--|--|--|--|--|--|--|----|----|----|-----|------|
| Mod. | Data Rate | Ντx | CH. | Freq. (MHz) | | Average onducte Power (dBm) | | Por | ucted wer nit 3m) | D (dł | - | EII Pov (dE | wer | Po Lii | RP wer nit 3m) | Pass /Fail | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Ant1 | Ant2 | SUM | Ant1 Ant2 | | Ant1 | Ant2 | Ant1 | Ant2 | Ant1 | Ant2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11b | 1Mbps | 2 | 1 | 2412 | 26.00 | 25.20 | 28.63 | | .00 | 3.31 | | 31. | .94 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11b | 1Mbps | 2 | 6 | 2437 | 26.70 | 26.70 | 29.71 | 30 | .00 | 3.3 | 31 | 33. | .02 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11b | 1Mbps | 2 | 10 | 2457 | 22.10 | 22.40 | 25.26 | 30 | .00 | 3.3 | 31 | 28. | 57 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11b | 1Mbps | 2 | 11 | 2462 | 22.10 | 22.40 | 25.26 | 30 | .00 | 3.3 | 31 | 28 | 57 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11g | 6Mbps | 2 | 1 | 2412 | 18.80 | 18.00 | 21.43 | 30 | .00 | 3.3 | 31 | 24 | 74 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11g | 6Mbps | 2 | 2 | 2417 | 22.20 | 21.40 | 24.83 | 30 | .00 | 3.3 | 31 | 28 | .14 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11g | 6Mbps | 2 | 6 | 2437 | 25.80 | 25.40 | 28.61 | 30 | .00 | 3.3 | 31 | 31 | 92 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11g | 6Mbps | 2 | 10 | 2457 | 21.60 | 21.70 | 24.66 | 30 | .00 | 3.3 | 31 | 27 | 97 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11g | 6Mbps | 2 | 11 | 2462 | 17.80 | 18.00 | 20.91 | 30 | .00 | 3.3 | 31 | 24 | 22 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT20 | MCS0 | 2 | 1 | 2412 | 17.90 | 17.40 | 20.67 | 30.00 | | 3.31 | | 23.98 | | 36.00 | | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT20 | MCS0 | 2 | 2 | 2417 | 21.80 | 21.00 | 24.43 | 30 | 30.00 | | 31 | 27.74 | | 36.00 | | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT20 | MCS0 | 2 | 6 | 2437 | 26.90 | 26.80 | 29.86 | 30 | .00 | 3.31 | | 33.17 | | 36.00 | | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT20 | MCS0 | 2 | 10 | 2457 | 21.30 | 21.40 | 24.36 | 30 | .00 | 3.31 | | 3.31 27.67 | | 36.00 | | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT20 | MCS0 | 2 | 11 | 2462 | 17.30 | 17.40 | 20.36 | 30 | .00 | 3.3 | 3.31 | | 3.31 | | 3.31 23. | | 67 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT40 | MCS0 | 2 | 3 | 2422 | 15.60 | 15.00 | 18.32 | 30 | .00 | 3.3 | 3.31 | | 3.31 | | 3.31 | | .63 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT40 | MCS0 | 2 | 4 | 2427 | 15.90 | 15.30 | 18.62 | 30 | .00 | 3.3 | 3.31 21.9 | | 93 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT40 | MCS0 | 2 | 6 | 2437 | 20.30 | 20.10 | 23.21 | 30 | .00 | 3.3 | 3.31 26.52 | | 52 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT40 | MCS0 | 2 | 8 | 2447 | 16.20 | 16.20 | 19.21 | 30 | .00 | 3.3 | 31 | 22 | 52 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HT40 | MCS0 | 2 | 9 | 2452 | 14.60 | 14.80 | 17.71 | 30 | .00 | 3.3 | 31 | 21 | .02 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT20 | MCS0 | 2 | 1 | 2412 | 17.80 | 17.30 | 20.57 | 30 | .00 | 3.3 | 31 | 23 | 88 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT20 | MCS0 | 2 | 2 | 2417 | 21.70 | 20.90 | 24.33 | 30 | .00 | 3.3 | 31 | 27 | 64 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT20 | MCS0 | 2 | 6 | 2437 | 26.80 | 26.70 | 29.76 | 30 | .00 | 3.3 | 31 | 33. | .07 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT20 | MCS0 | 2 | 10 | 2457 | 21.20 | 21.30 | 24.26 | 30 | .00 | 3.3 | 31 | 27 | 57 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT20 | MCS0 | 2 | 11 | 2462 | 17.20 | 17.30 | 20.26 | 30 | .00 | 3.3 | 31 | 23 | 57 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT40 | MCS0 | 2 | 3 | 2422 | 15.50 | 14.90 | 18.22 | 30 | .00 | 3.3 | 31 | 21 | 53 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT40 | MCS0 | 2 | 4 | 2427 | 15.80 | 15.20 | 18.52 | 30 | .00 | 3.31 | | | | 21 | 83 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT40 | MCS0 | 2 | 6 | 2437 | 20.20 | 20.00 | 23.11 | 30 | .00 | 3.3 | 31 | 26 | 42 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VHT40 | MCS0 | 2 | 8 | 2447 | 16.10 | 16.10 | 19.11 | 30 | .00 | 3.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.31 | | 3.31 | | | | | | | | 22 | 42 | 36 | .00 | Pass |
| VHT40 | MCS0 | 2 | 9 | 2452 | 14.50 | 14.70 | 17.61 | 30 | .00 | 3.3 | 31 | 20 | 92 | 36 | .00 | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Note: Measured power (dBm) has offset with cable loss.

<u>TEST RESULTS DATA</u> <u>Peak Power Spectral Density</u>

| | 2.4GHz Band MIMO | | | | | | | | | | | | | |
|------|------------------|-----|-----|----------------|------------------|------------------------|-----------------|------|-------------|------|-----------------------|-----------|----|------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | | Peak PSD (dBm/3kHz) |) | | DG (dBi) | | ∶PSD nit ′3kHz) | Pass/Fail | | |
| | | | | (10112) | Ant1 | Ant2 | Worse + 3.01 | Ant1 | Ant2 | Ant1 | Ant2 | | | |
| 11b | 1Mbps | 2 | 1 | 2412 | 2.45 | 1.78 | 5.46 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| 11b | 1Mbps | 2 | 6 | 2437 | 3.26 | 2.89 | 6.27 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| 11b | 1Mbps | 2 | 10 | 2457 | -2.59 | -2.17 | 0.84 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| 11b | 1Mbps | 2 | 11 | 2462 | -0.53 -0.10 2.91 | | | 6.3 | 32 | 7.0 | 68 | Pass | | |
| 11g | 6Mbps | 2 | 1 | 2412 | -8.43 | 43 -8.43 -5.42 | | 6.32 | | 7.68 | | Pass | | |
| 11g | 6Mbps | 2 | 2 | 2417 | -5.61 | -6.94 | -2.60 | 6.32 | | 7.68 | | Pass | | |
| 11g | 6Mbps | 2 | 6 | 2437 | -1.32 | -1.41 | 1.69 | 6.3 | 32 | 7.68 | | Pass | | |
| 11g | 6Mbps | 2 | 10 | 2457 | -5.24 | -6.55 | -2.23 | 6.3 | 32 | 7.68 | | Pass | | |
| 11g | 6Mbps | 2 | 11 | 2462 | -9.01 | -8.96 | -5.95 | 6.3 | 6.32 7.68 | | 68 | Pass | | |
| HT20 | MCS0 | 2 | 1 | 2412 | -7.04 | -7.59 | -4.03 | 6.3 | 6.32 | | 6.32 | | 68 | Pass |
| HT20 | MCS0 | 2 | 2 | 2417 | -4.58 | -5.48 | -1.57 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT20 | MCS0 | 2 | 6 | 2437 | 2.30 | 1.55 | 5.31 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT20 | MCS0 | 2 | 10 | 2457 | -5.78 | -5.39 | -2.38 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT20 | MCS0 | 2 | 11 | 2462 | -7.50 | -6.71 | -3.70 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT40 | MCS0 | 2 | 3 | 2422 | -11.50 | -12.23 | -8.49 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT40 | MCS0 | 2 | 4 | 2427 | -13.70 | -15.10 | -10.69 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT40 | MCS0 | 2 | 6 | 2437 | -7.17 | -7.70 | -4.16 | 6.3 | 32 | 7.0 | 68 | Pass | | |
| HT40 | MCS0 | 2 | 8 | 2447 | -12.13 | -10.56 | -7.55 | 6.3 | 6.32 | | 7.68 | | | |
| HT40 | MCS0 | 2 | 9 | 2452 | -11.44 | -12.83 | -8.43 | 6.3 | 32 | 7.6 | 68 | Pass | | |

Measured power density (dBm) has offset with cable loss.

Report Number : FR490210B

TEST RESULTS DATA 6dB and 99% Occupied Bandwidth

| | 2.4GHz Band MIMO | | | | | | | | | | | | | |
|------|------------------|-----|-----|----------------|--------------|-----------------|-------|-------|-----------|--------------------------|-----------|--|--|--|
| Mod. | Data Rate | Ntx | CH. | Freq. (MHz) | RU Config | 99% Occi (Mi | | - | BW Hz) | 6dB BW Limit (MHz) | Pass/Fail | | | |
| | | | | | | Ant1 | Ant2 | Ant1 | Ant2 | | | | | |
| HE20 | MCS0 | 2 | 1 | 2412 | Full | 18.93 | 18.93 | 18.21 | 17.54 | 0.50 | Pass | | | |
| HE20 | MCS0 | 2 | 6 | 2437 | Full | 18.94 | 18.94 | 17.93 | 17.82 | 0.50 | Pass | | | |
| HE20 | MCS0 | 2 | 11 | 2462 | Full | 18.95 | 18.94 | 18.04 | 18.46 | 0.50 | Pass | | | |
| HE40 | MCS0 | 2 | 3 | 2422 | Full | 37.91 | 37.92 | 37.11 | 37.86 | 0.50 | Pass | | | |
| HE40 | MCS0 | 2 | 6 | 2437 | Full | 37.70 | 37.64 | 37.59 | 37.64 | 0.50 | Pass | | | |
| HE40 | MCS0 | 2 | 9 | 2452 | Full | 37.89 | 37.90 | 37.65 | 37.63 | 0.50 | Pass | | | |

TEST RESULTS DATA Average Output Power

| | 2.4GHz Band MIMO | | | | | | | | | | | | | | | | | | |
|------|-------------------|---|-----|----------------|--------------|-------|---------------------------------------|-------|---------------------------|------------|------|----------|-------|------------------|---------------------------------|------|---------------|-----|------|
| Mod. | Mod. Data Rate | | CH. | Freq. (MHz) | RU Config | С | Average conducte Power (dBm) | | Cond Pov Lir (dB | ver nit | | G Bi) | Po | RP wer 3m) | EIRP Power Limit (dBm) | | Pass /Fail | | |
| | | | | | | Ant1 | Ant2 | SUM | Ant1 Ant2 A | | Ant1 | Ant2 | Ant1 | Ant2 | Ant1 | Ant2 | | | |
| HE20 | MCS0 | 2 | 1 | 2412 | Full | 18.00 | 17.50 | 20.77 | 30.00 | | 3.31 | | 24.08 | | 36.00 | | Pass | | |
| HE20 | MCS0 | 2 | 2 | 2417 | Full | 21.20 | 20.50 | 23.87 | 30. | 00 | 3.31 | | 27.18 | | 36.00 | | Pass | | |
| HE20 | MCS0 | 2 | 6 | 2437 | Full | 25.40 | 25.20 | 28.31 | 30. | 00 | 3.31 | | 31 | .62 | 36 | .00 | Pass | | |
| HE20 | MCS0 | 2 | 10 | 2457 | Full | 21.20 | 21.00 | 24.11 | 30. | 00 | 3.31 | | 27.42 | | 36 | .00 | Pass | | |
| HE20 | MCS0 | 2 | 11 | 2462 | Full | 17.40 | 17.50 | 20.46 | 30. | .00 | 3. | 3.31 | | 23.77 | | .00 | Pass | | |
| HE40 | MCS0 | 2 | 3 | 2422 | Full | 15.70 | 15.10 | 18.42 | 30. | .00 | 3. | 31 | 21.73 | | 36.00 | | Pass | | |
| HE40 | MCS0 | 2 | 6 | 2437 | Full | 18.20 | 17.90 | 21.06 | 30. | .00 | 3. | 31 | 24 | .37 | 36 | .00 | Pass | | |
| HE40 | MCS0 | 2 | 8 | 2447 | Full | 15.40 | 15.40 | 18.41 | 30.00 | | 3. | 3.31 | | 3.31 | | .72 | 36 | .00 | Pass |
| HE40 | MCS0 | 2 | 9 | 2452 | Full | 13.90 | 14.10 | 17.01 | 30. | .00 | 3. | 31 | 20 | .32 | 36 | .00 | Pass | | |

Note: Measured power (dBm) has offset with cable loss.

<u>TEST RESULTS DATA</u> <u>Peak Power Spectral Density</u>

| | 2.4GHz Band MIMO | | | | | | | | | | | | | |
|------|-------------------|-----|-----|----------------|--------------|---------------------|------------------------|--------|-------------|------|---------------------------------|------|-----------|--|
| Mod. | Mod. Data Rate | Nτx | CH. | Freq. (MHz) | RU Config | | Peak PSD (dBm/3kHz) |) | DG (dBi) | | Peak PSD Limit (dBm/3kHz) | | Pass/Fail | |
| | Nale | | | | | Ant1 | ht1 Ant2 Worse + 3.01 | | Ant1 | Ant2 | Ant1 | Ant2 | | |
| HE20 | MCS0 | 2 | 1 | 2412 | Full | -6.90 -7.75 -3.89 | | 6.32 | | 7.68 | | Pass | | |
| HE20 | MCS0 | 2 | 2 | 2417 | Full | -6.92 | -6.63 | -3.62 | 6.32 | | 7.68 | | Pass | |
| HE20 | MCS0 | 2 | 6 | 2437 | Full | -0.61 | -0.77 | 2.40 | 6.32 | | 7.68 | | Pass | |
| HE20 | MCS0 | 2 | 10 | 2457 | Full | -4.86 | -4.52 | -1.51 | 6.32 | | 7.68 | | Pass | |
| HE20 | MCS0 | 2 | 11 | 2462 | Full | -7.60 | -7.70 | -4.59 | 6.3 | 32 | 7.0 | 68 | Pass | |
| HE40 | MCS0 | 2 | 3 | 2422 | Full | -12.59 | -13.85 | -9.58 | 6.3 | 32 | 7.68 | | Pass | |
| HE40 | MCS0 | 2 | 6 | 2437 | Full | -9.12 -10.83 -6.11 | | -6.11 | 6.32 | | 7.0 | 7.68 | | |
| HE40 | MCS0 | 2 | 8 | 2447 | Full | -13.78 -13.96 -10.7 | | | 6.3 | 32 | 7.0 | Pass | | |
| HE40 | MCS0 | 2 | 9 | 2452 | Full | -14.21 | -14.15 | -11.14 | 6.3 | 32 | 7.0 | Pass | | |

Measured power density (dBm) has offset with cable loss.

TEST RESULTS DATA Average Output Power

| | 2.4GHz Band MIMO | | | | | | | | | | | | | | | |
|-------|------------------|-----|-----|----------------|-------|--------------------------------------|-------|------------------------|----------------------------|----------|------|-------------------|------|------------|-------------------------|---------------|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | С | Average onducte Power (dBm) | | Po ^r Lii | ucted wer mit 3m) | D (dl | - | Elf Pov (dB | ver | Pov Lir | RP wer nit ßm) | Pass /Fail |
| | | | | | Ant1 | Ant2 | SUM | Ant1 | Ant2 | Ant1 | Ant2 | Ant1 | Ant2 | Ant1 | Ant2 | |
| HT20 | MCS0 | 2 | 1 | 2412 | 17.60 | 17.30 | 20.46 | 29 | .68 | 6.3 | 32 | 26. | 78 | 36 | .00 | Pass |
| HT20 | MCS0 | 2 | 6 | 2437 | 26.40 | 26.30 | 29.36 | 29 | .68 | 6.3 | 32 | 35. | 68 | 36 | .00 | Pass |
| HT20 | MCS0 | 2 | 11 | 2462 | 17.10 | 17.20 | 20.16 | 29 | .68 | 6.3 | 32 | 26. | 48 | 36 | .00 | Pass |
| HT40 | MCS0 | 2 | 3 | 2422 | 15.30 | 14.90 | 18.11 | 29 | .68 | 6.3 | 32 | 24. | 44 | 36 | .00 | Pass |
| HT40 | MCS0 | 2 | 6 | 2437 | 20.30 | 20.00 | 23.16 | 29 | .68 | 6.3 | 32 | 29. | 48 | 36 | .00 | Pass |
| HT40 | MCS0 | 2 | 9 | 2452 | 14.50 | 14.50 | 17.51 | 29 | .68 | 6.3 | 32 | 23. | 83 | 36 | .00 | Pass |
| VHT20 | MCS0 | 2 | 1 | 2412 | 17.60 | 17.10 | 20.37 | 29 | .68 | 6.3 | 32 | 26. | 69 | 36 | .00 | Pass |
| VHT20 | MCS0 | 2 | 6 | 2437 | 26.20 | 26.10 | 29.16 | 29 | .68 | 6.3 | 32 | 35. | 48 | 36 | .00 | Pass |
| VHT20 | MCS0 | 2 | 11 | 2462 | 17.00 | 17.10 | 20.06 | 29 | .68 | 6.3 | 32 | 26. | 38 | 36 | .00 | Pass |
| VHT40 | MCS0 | 2 | 3 | 2422 | 15.30 | 14.70 | 18.02 | 29 | .68 | 6.3 | 32 | 24. | 34 | 36 | .00 | Pass |
| VHT40 | MCS0 | 2 | 6 | 2437 | 20.20 | 19.90 | 23.06 | 29 | .68 | 6.3 | 32 | 29. | 38 | 36 | .00 | Pass |
| VHT40 | MCS0 | 2 | 9 | 2452 | 14.30 | 14.50 | 17.41 | 29 | .68 | 6.3 | 32 | 23. | 73 | 36 | .00 | Pass |

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA Average Output Power

| | 2.4GHz Band MIMO | | | | | | | | | | | | | | | | |
|------|------------------|-----|-----|----------------|--------------|-------|---------------------------------------|-------|------|------|------|----------|------|------------------|--------------------------|------|---------------|
| Mod. | Data Rate | Ntx | CH. | Freq. (MHz) | RU Config | С | Average conducte Power (dBm) | | Lir | ver | | G Bi) | Po | RP wer 3m) | Elf Pov Lir (dB | wer | Pass /Fail |
| | | | | | | Ant1 | Ant2 | SUM | Ant1 | Ant2 | Ant1 | Ant2 | Ant1 | Ant2 | Ant1 | Ant2 | |
| HE20 | MCS0 | 2 | 1 | 2412 | Full | 17.80 | 17.30 | 20.57 | 29 | .68 | 6. | 32 | 26 | .89 | 36 | .00 | Pass |
| HE20 | MCS0 | 2 | 6 | 2437 | Full | 25.30 | 25.10 | 28.21 | 29 | .68 | 6. | 32 | 34 | .53 | 36. | .00 | Pass |
| HE20 | MCS0 | 2 | 11 | 2462 | Full | 17.20 | 17.20 | 20.21 | 29 | .68 | 6. | 32 | 26 | .53 | 36. | .00 | Pass |
| HE40 | MCS0 | 2 | 3 | 2422 | Full | 15.50 | 14.90 | 18.22 | 29 | .68 | 6. | 32 | 24 | .54 | 36. | .00 | Pass |
| HE40 | MCS0 | 2 | 6 | 2437 | Full | 18.00 | 17.70 | 20.86 | 29 | .68 | 6. | 32 | 27 | .18 | 36. | .00 | Pass |
| HE40 | MCS0 | 2 | 9 | 2452 | Full | 13.80 | 13.90 | 16.86 | 29 | .68 | 6. | 32 | 23 | .18 | 36. | .00 | Pass |

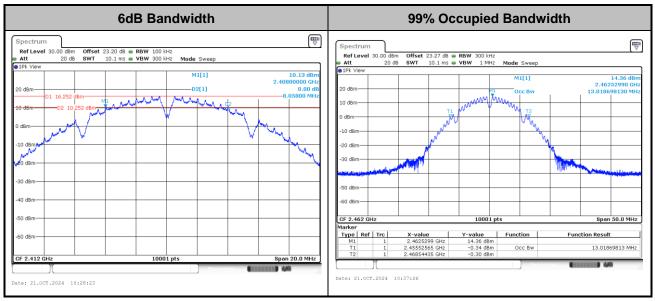
Note: Measured power (dBm) has offset with cable loss.



6dB and 99% Occupied Bandwidth

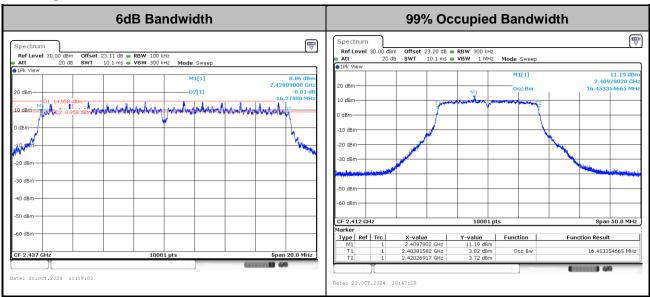
MIMO <Ant. 1+2>

<802.11b>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

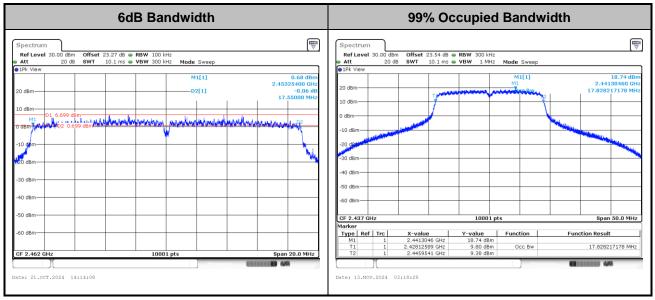
<802.11g>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

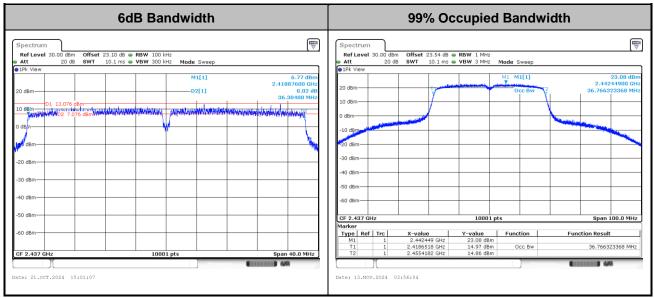


<802.11n HT20>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

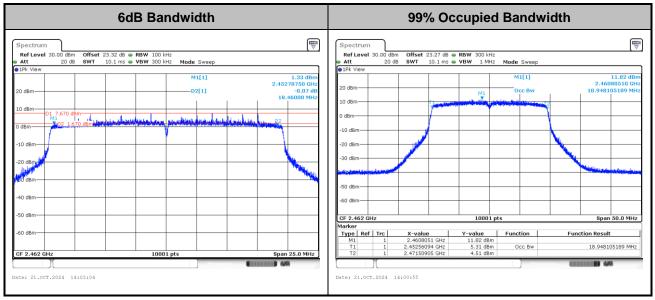
<802.11n HT40>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

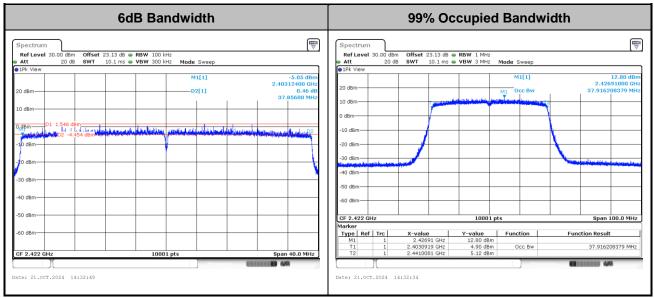


<802.11ax HE20>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

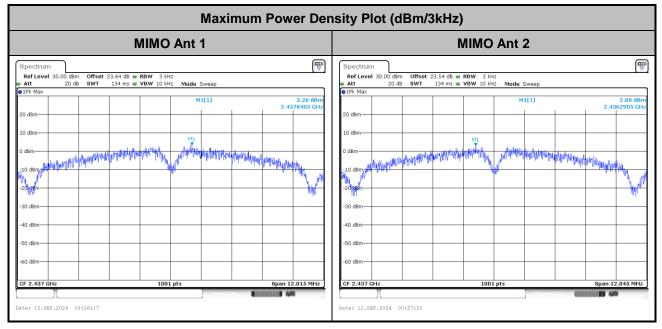


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



Power Spectral Density(dBm/3kHz)

<802.11b>

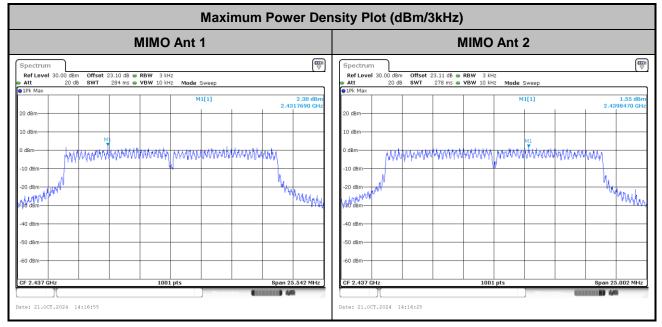


<802.11g>

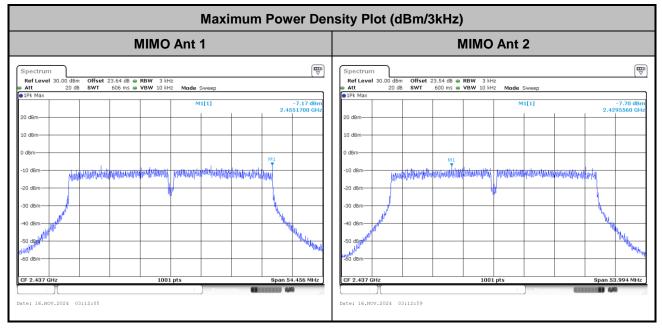
| Maximum Power Density Plot (dBm/3kHz) | | | | | | |
|--|--|--|--|--|--|--|
| MIMO Ant 1 MIMO Ant 2 | | | | | | |
| Spectrum Image: Constraint of the second secon | Spectrum Image: Constraint of the second secon | | | | | |
| 20 d8m -1.32 d8m 20 d8m 2.4319790 GHz 10 d8m | 20 dBm M1[1] -1.41 dBm 20 dBm 2.4357315 GHz 2.4357315 GHz 10 dBm M1 0 0 0 dBm M1 0 0 -10 dBm M1 0 0 -20 dBm M1 0 0 -30 dBm M1 0 0 -50 dBm -50 dBm -50 dBm -50 dBm | | | | | |
| CF 2.437 GHz 1001 pts Span 23.706 MHz Date: 21.0CT.2024 11:13:13 | CF 2.437 GHz 1001 pts Span 24.411 MHz Date: 21.0CT.2024 11:19:35 | | | | | |



<802.11n HT20>

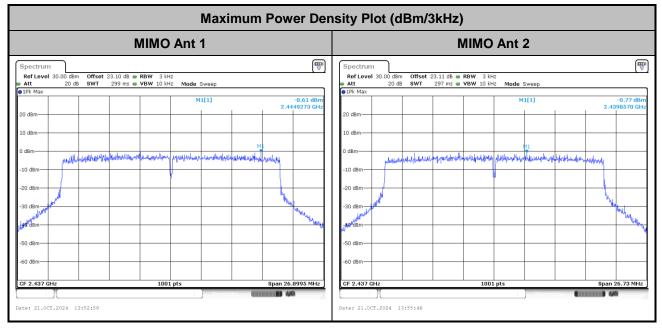


<802.11n HT40>

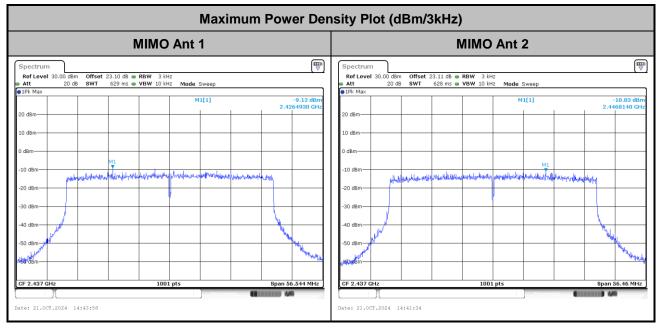




<802.11ax HE20>



<802.11ax HE40>





Band Edges and Spurious Emission

Number of TX = 2, Ant. 1 (Measured)

| Test | Mode | : | 802 |
|------|------|---|-----|
| | mouo | | 002 |

802.11b

| 100kHz PSD reference Level | Low Channel Plot |
|--|--|
| Spectrum 🕎 | Spectrum 🕎 |
| Ref Level 30.00 dBm Offset 23.20 dB RBW 100 kHz Att 20 dB SWT 1.1 ms VBW 300 kHz Mode Sweep | RefLevel 20.00 dBm Offset 23.20 dB ● RBW 100 kHz ● Att 20 dB SWT 8 ms ● VBW 300 kHz Mode Sweep |
| | |
| | 10 dBm |
| 10 dBm man and and and and a start of the formation of th | 0 dBm |
| D dBm | -10 dBm-01 -13.530 dBm |
| -10 dBm | -20 dBm- |
| -20 dBm | -30 dBm |
| -30 dBm- | -40 dBm |
| -40 dBm | A Standard and a standard and a standard and a standard and a standard a standard and a standard a standard a s -50 dism |
| -50 dBm | -60 dBm |
| -60 dBm- | -70 dBm |
| CF 2.412 CH z 1001 pts Span 12.087 MHz | F1 F1 Start 2.31 GHz 8001 pts Stop 2.445 GHz |
| CF 2.412 GR2 2001 pts span 12.007 MH2 | |
| Date: 21.0CT.2024 10:28:54 | Date: 21.0CT.2024 10:29:04 |
| Spurious Emission 30MHz~1GHz | |
| - | Spurious Emission 1GHz~26.5GHz |
| Spectrum | Spectrum 🕎 |
| - | |
| Spectrum Image: Constraint of the system RefLevel 20.00 dBm Offset 23.20 dB @ RBW 100 kHz Att 10 dB SWT 91Pk View M1[1] -53.77 dBm 864,0590 MHz | Spectrum Image: Constraint of the system of th |
| Spectrum Image: Constraint of the second seco | Spectrum TEB Ref Level 20.00 dBm Offset 23.20 dB |
| Spectrum Image: Constraint of the second secon | Spectrum Image: Constraint of the sector of th |
| Spectrum Image: Constraint of the second seco | Spectrum TEB Ref Level 20.00 dBm Offset 23.20 dB |
| Spectrum Image: Constraint of the system of t | Spectrum TE Ref Level 20.00 dBm Offset 23.20 dB @ RBW 100 kHz Att 10 dB @ SWT 255 ms VBW 300 kHz Mode Sweep M1 15.24 dBm 10 dB m -46.90 dBm 10 dB m -46.90 dBm 0 dBm -10 dBm |
| Spectrum Image: Constraint of the system of t | Spectrum Image: Constraint of the second secon |
| Spectrum Image: Constraint of the second secon | M1 M111 2.41000 GHz 10 dBm M1 2.55 ms WBW 300 kHz Mode Sweep In dBm M1 1.5.24 dBm 2.41000 GHz 2.41000 GHz 0 dBm M1 1.5.60 1240 GHz 3.60 dBm 1.5.60 1240 GHz 0 dBm 0 dBm 01 -13.530 dBm 01 -13.530 dBm 01 -13.530 dBm 01 -13.530 dBm |
| Spectrum Image: Constraint of the second secon | Spectrum Image: Constraint of the second secon |
| Spectrum Image: Constraint of the second seco | Spectrum Image: Constraint of the second secon |
| Spectrum Image: Constraint of the second seco | Spectrum Image: Constraint of the second secon |
| Spectrum Image: Constraint of the second state | Spectrum Image: Constraint of the second secon |
| Spectrum Image: Constraint of the second secon | Spectrum Image: Constraint of the second secon |

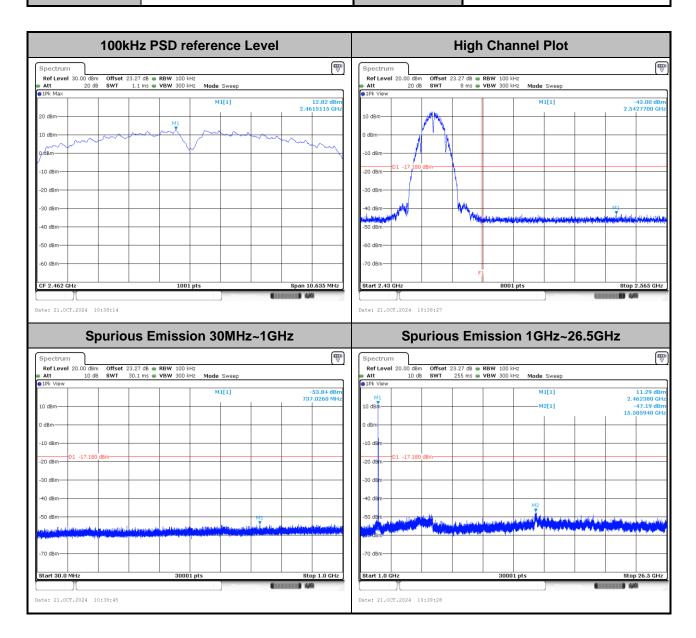


| Test Mode : 802.11b Test | t Channel : 06 |
|--------------------------|----------------|
|--------------------------|----------------|

| 100k | Hz PSD reference Le | evel | M | iddle Channel Plot | |
|---|---|--|--|---|--|
| Spectrum | | E □ | | | |
| Ref Level 30.00 dBm Offset 2 | | (×.) | | | |
| Att 20 dB SWT | 1.1 ms 🖷 VBW 300 kHz Mode Sweep |] | | | |
| | M1[1] | 18.21 dBm 2.4375405 GHz | | | |
| 20 dBm | M1 | 2.4375405 GHz | | | |
| a a m | my mymy | -A A A | | | |
| 10 dBm | | many | | | |
| D-dBm | | | | | |
| W | | Ŵ | | | |
| -10 dBm | | | | | |
| -20 dBm | | | | | |
| 00 d0 | | | | | |
| 30 dBm | | | | | |
| 40 dBm | | | | | |
| 50 dBm | | | | | |
| SO UBIN | | | | | |
| 60 dBm | | | | | |
| | | | | | |
| CF 2.437 GHz | 1001 pts | Span 12.015 MHz | | | |
| | us Emission 30MHz~ | -1GHz | Spurious | Emission 1GHz~20 | 6.5GHz |
| Spurio | us Emission 30MHz~ | -1GHz | Spectrum | | 6.5GHz |
| Spectrum Ref Level 20.00 dBm Offset 2 | us Emission 30MHz~ | | Spectrum Ref Level 20.00 dBm Offset 23.3 | 10 dB 🖷 RBW 100 kHz | 6.5GHz |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | (The second seco | Spectrum Ref Level 20.00 dBm Offset 23.3 | 10 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep | |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SwT 1 IPk View | us Emission 30MHz~ | | Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 25 IPk View M1 M1 M1 | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SwT 1 IPk View | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 dBm Offset 23.: Att 10 dB SWT 25 PPk View | 10 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep | 16.52 2.436030 - 47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 3 1Pk View 0 dBm | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 25 IPk View M1 M1 M1 | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 - 47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 1 1Pk View 0 dBm 0 dBm 1 1 dBm 10 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 d8m Offset 23.: Att 10 d8 SWT 25 It 10 d8 SWT 25 M1 0 d8n 0 0 0 d8n 0 0 0 0 | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 -47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB Swr 1 1Pk View 0 dBm | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum RefLevel 20.00 dbm Offset 23: Att 10 db SWT 25 Image: DPL View M1 10 dbm 10 dbm | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 -47.89 |
| Spectrum Ref Level 20:00 dBm Offset 2 10 dB SWT 10 dB Offset 2 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 d8m Offset 23.: Att 10 d8 SWT 25 It 10 d8 SWT 25 M1 0 d8n 0 0 0 d8n 0 0 0 0 | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 -47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 10 dB WT 10 0 dBm 0 10 10 dB 0 10 10 dBm 01 -11.790 20 dBm 01 -11.790 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | M1 Offset 23: 0 dBm 0 dB SWT 25 0 10 dBm 0 dBm 0 0 dBm 0 0 -10 dBm 01 -11.790 dBm -20 dBm | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 -47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 10 dB WT 10 0 dBm 0 10 10 dB 0 10 10 dBm 01 -11.790 20 dBm 01 -11.790 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 25 PPK View VIII 0 0 dBm 0 0 dBm 0 dBm 0 0 dBm 0 0 dBm 0 0 0 dBm 0 0 dBm 0 <td>10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1]</td> <td>16.52 2.436030 -47.89</td> | 10 dB • RBW 100 kHz 55 ms • VBW 300 kHz Mode Sweep M1[1] | 16.52 2.436030 -47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 1Pk View 0 dBm 0 dBm 01 -11.790 dBm 0 10 dBm 01 -11.790 dBm 0 30 dBm 0 dBm 0 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | M1 Offset 23: 0 dBm 0 dB SWT 25 0 10 dBm 0 dBm 0 0 dBm 0 0 -10 dBm 01 -11.790 dBm -20 dBm | 10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] | 16.52 2.436030 -47.89 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 10 dB SWT 10 10 dB Offset 2 10 0 dBm 0 0 10 dB D 0 10 dBm D1 -11.790 10 dBm D1 -11.790 20 dBm 0 0 40 dBm 0 0 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Ml Offset 23: • Att 10 d8 SWT 25 • IPK View Ml 0 0 0 10 d8m 0 0 0 0 0 -10 d8m 01 - 11.790 d8m - | 10 dB @ RBW 100 kHz 55 ms @ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] | 16.52 2.43003 -47.89 15.613990 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 10 dB SWT 10 10 dB Offset 2 10 0 dBm 0 0 10 dB D 0 10 dBm D1 -11.790 10 dBm D1 -11.790 20 dBm 0 0 40 dBm 0 0 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 dBm Offset 23. Att 10 dB SWT 25 PPK View VIII 0 0 dBm 0 0 dBm 0 dBm 0 0 dBm 0 0 dBm 0 0 0 dBm 0 0 dBm 0 <td>10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2</td> <td>16.52 2.43003 -47.89 15.613990</td> | 10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2 | 16.52 2.43003 -47.89 15.613990 |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB swr 10 dB swr 10 dB offset 2 10 dB 0 10 dB 01 -11.790 dB 20 dB 0 40 dB 0 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Ml Offset 23: • Att 10 d8 SWT 25 • IPK View Ml 0 0 0 10 d8m 0 0 0 0 0 -10 d8m 01 - 11.790 d8m - | 10 dB @ RBW 100 kHz 55 ms @ VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] | 16.52 2.430030 -47.89 15.613990 |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB Offset 2 0 dBm Offset 2 10 dBm Offset 2 10 dBm Offset 2 20 dBm Offset 2 30 dBm Offset 2 40 dBm Offset 2 10 dBm Offset 2 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Ml Offset 23: • Att 10 d8 SWT 25 • IPK View Ml 0 0 0 10 d8m 0 0 0 0 0 -10 d8m 01 - 11.790 d8m - | 10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2 | 16.52 2.436030 -47.89 15.613990 |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB Offset 2 10 dB Offset 2 10 dBm Offset 2 20 dBm Offset 2 30 dBm Offset 2 40 dBm Offset 2 50 dBm Offset 2 | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 dlm Offset 23. Att 10 dls SWT 25 TV View 0 0 dls 0 0 0 dls 0 0 0 0 0 -10 dls 0 -11.790 dls -10 -10 -11.790 dls -10 -20 dls -11.790 dls -10 -11.790 dls -10 -20 -11.790 dls -10 -20 -11.790 dls -10 -20 <td>10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2</td> <td>6.5GHz</td> | 10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2 | 6.5GHz |
| Spectrum Offset 2 Ref Level 20.00 dBm Offset 2 Att 10 dB JPK View Intervention L0 dBm Intervention 0 dBm Intervention 10 dBm Intervention | US Emission 30MHz~ 3.10 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.35 dBm | Spectrum Ref Level 20.00 dlm Offset 23. Att 10 dls SWT 25 TV View 0 0 dls 0 0 0 dls 0 0 0 0 0 -10 dls 0 -11.790 dls -10 -10 -11.790 dls -10 -20 dls -11.790 dls -10 -11.790 dls -10 -20 -11.790 dls -10 -20 -11.790 dls -10 -20 <td>10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2</td> <td>16.52 2.436030 -47.89 15.613990</td> | 10 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2 M2 | 16.52 2.436030 -47.89 15.613990 |

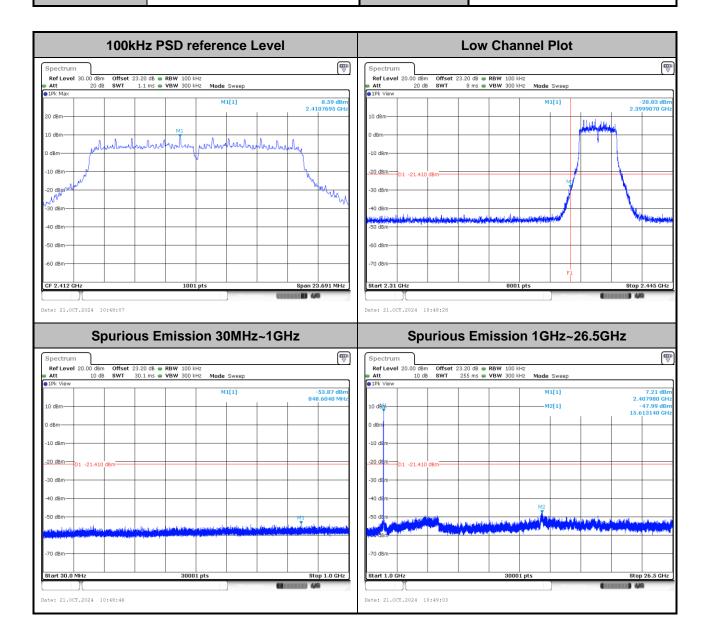


802.11b





802.11g



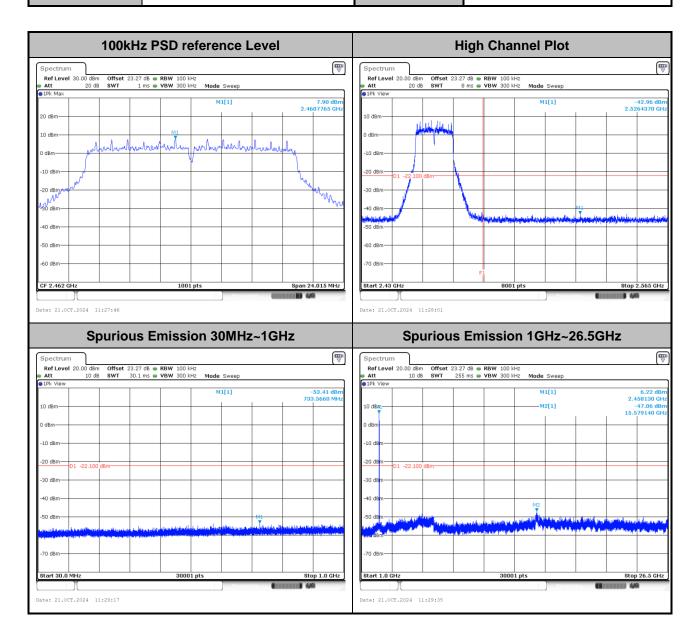


| Test Mode : | 802.11g | Test Channel : | 06 |
|-------------|---------|----------------|----|
|-------------|---------|----------------|----|

| 100 | kHz PSD reference Lev | el | N | liddle Channel Plo | ot |
|--|---|-----------------|---|--|------------------------------------|
| Spectrum | | ₩ | | | |
| Ref Level 30.00 dBm Offset Att 20 dB SWT | 23.10 dB RBW 100 kHz 1.1 ms VBW 300 kHz Mode Sweep | | | | |
| 1Pk Max | M1[1] | 15.53 dBm | | | |
| | MILIJ | 2.4357690 GHz | | | |
| 20 dBm | | | | | |
| LO dBm wollder laws | lavelneefrenting perturdere traplan | dimendary . | | | |
|) dBm | | | | | |
| | | l l | | | |
| 10 dBm | | W. W. | | | |
| 20/d8m | | and the | | | |
| 30 dBm | | | | | |
| | | | | | |
| 40 dBm | | | | | |
| 50 dBm | | | | | |
| 60 dBm | | | | | |
| | | | | | |
| | 1001 pts | Span 23.706 MHz | | | |
| te: 21.0CT.2024 11:14:00 | ous Emission 30MHz~1 | GHz | Spuriou | s Emission 1GHz~ | 26.5GHz |
| | ous Emission 30MHz~1 | | | s Emission 1GHz~ | |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset | 23.10 dB 🖷 RBW 100 kHz | GHz | Spectrum Ref Level 20.00 dBm Offset 2 | 3.10 dB 🗑 RBW 100 kHz | |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | | Spectrum Ref Level 20.00 dBm Offset 2 | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep | (|
| Ete: 21.007.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 19k View | 23.10 dB 🖷 RBW 100 kHz | | Spectrum Ref Lovel 20.00 dBm Offset 2 Att 10 dB SWT | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2.441130 (|
| te: 21.007.2024 11:14:00 Spectrum RefLevel 20.00 dBm Offset Att 10 dB SWT | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Spectrum RefLevel 20.00 dBm Offset 2 Att 10 dB SWT | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep | 11.39 d 2.441130 (-47.57 d |
| Ete: 21.007.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 19k View | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Spectrum Ref Lovel 20.00 dBm Offset 2 Att 10 dB SWT | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2.441130 (-47.57 d |
| te: 21.0CT.2024 11:14:00 Spectrum RefLevel 20.00 dBm Offset Att 10 dB SWT 19k View 0 dBm 0 dBm | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Spectrum Ref Level 20.00 dBm • Att 10 dB W1 10 dBm 0 dBm | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2,441130 G - 47.57 d |
| te: 21.0CT.2024 11:14:00 Spectrum Spectrum Ref Level 20.00 dBm Offset Att 10 dB 10 dBm 0 10 dBm 0 10 dBm 0 | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT ID dB M1 0 10 dB 0 dBm -10 dB 0 | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2,441130 G - 47.57 d |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 10 dBm 0 dBm 10 dBm 10 dBm | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Note Note <th< td=""><td>3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1]</td><td>11.39 d 2.441130 (-47.57 d</td></th<> | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2.441130 (-47.57 d |
| te: 21.0CT.2024 11:14:00 Spectrum Spectrum Ref Level 20.00 dBm Offset Att 10 dB 10 dBm 0 10 dBm 0 10 dBm 0 | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT ID dB M1 0 10 dB 0 dBm -10 dB 0 | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 26.5GHz |
| te: 21.0CT.2024 11:14:00 Spectrum RefLevel 20.00 dBm Offset Att 10 dB SWT 19k View 00 dBm 01 -14.470 dBm 20 dBm 30 dBm | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT ID dBm 0 dBm -10 dBm 01 -14.470 dBm -20 dBm | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2,441130 G - 47.57 d |
| te: 21.0CT.2024 11:14:00 Spectrum Spectrum RefLevel 20.00 dBm 0ffset 10 dBm 0 dBm 0 dBm 0 dBm 10 dBm 01 -14.470 dBm | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT M1 10 B 10 dBm 0 0 dBm -10 dBm 01 -14.470 dBm | 3.10 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.39 d 2,441130 G - 47.57 d |
| te: 21.0CT.2024 11:14:00 Spectrum RefLevel 20.00 dBm Offset Att 10 dB SWT 19k View 00 dBm 01 -14.470 dBm 20 dBm 30 dBm | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT ID dBm 0 dBm -10 dBm 01 -14.470 dBm -20 dBm | 3.10 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2 | |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 10 dBm 11 -14.470 dBm 11 -14. | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical System Offset 2 Att 10 dB SWT #11 10 dB 10 10 dB 0 dB 0 -10 dB 01 -14.470 dBm -10.48m -20 dBm | 3.10 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] | |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT IPR View 00 dBm 01 -14.470 dBm 20 dBm 01 -14.470 dBm 20 dBm 50 dB | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 91Pk View 0 dBm 0 dBm 0 dBm -10 dBm 0 | 3.10 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2 | |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 10 dBm 11 -14.470 dBm 11 -14. | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Mathematical System Offset 2 Att 10 dB SWT #11 10 dB 10 10 dB 0 dB 0 -10 dB 01 -14.470 dBm -10.48m -20 dBm | 3.10 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2 | |
| te: 21.0CT.2024 11:14:00 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT IPR View 00 dBm 01 -14.470 dBm 20 dBm 01 -14.470 dBm 20 dBm 50 dB | 23.10 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Sweep | -53.18 dBm | Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 91Pk View 0 dBm 0 dBm 0 dBm -10 dBm 0 | 3.10 dB e RBW 100 kHz 255 ms e VBW 300 kHz Mode Sweep M1[1] M2 | |

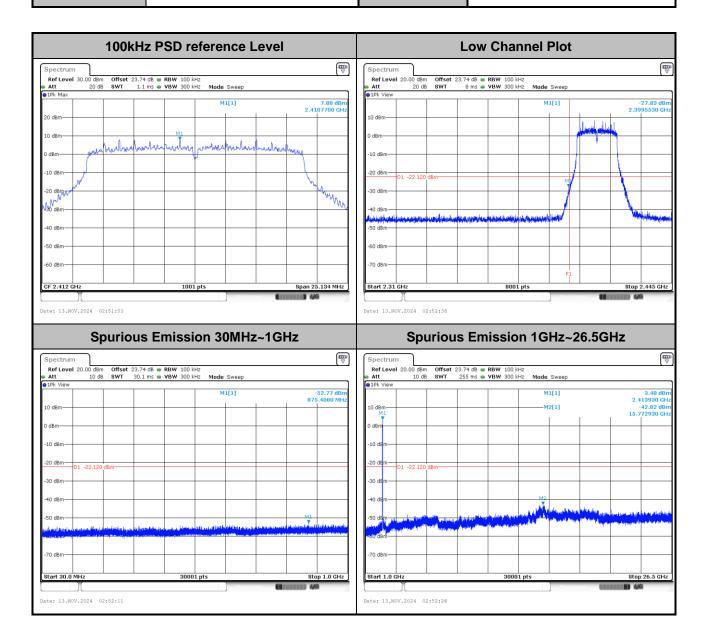


802.11g





802.11n HT20



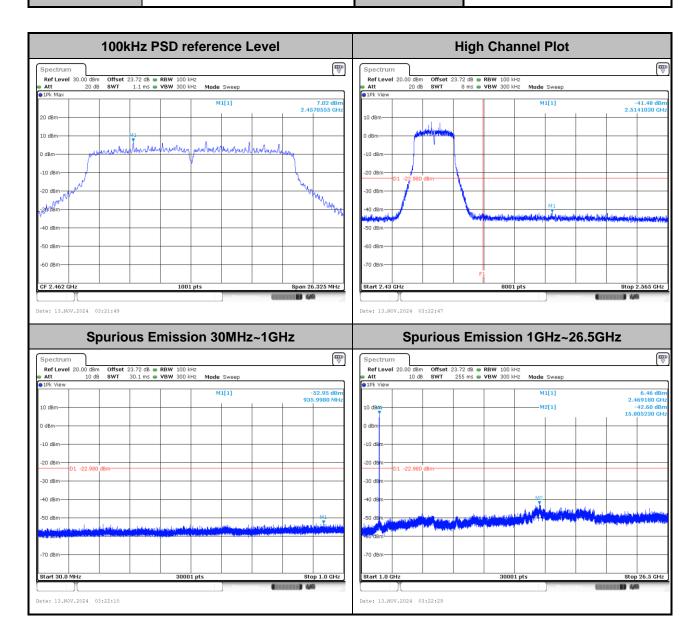


| Test Mode : 802.11n HT | 20 | Test Channel : | 06 |
|------------------------|----|----------------|----|
|------------------------|----|----------------|----|

| 100 | Hz PSD reference | | Middle Ch | annel Plot | t | | |
|--|---|----------------------------|---|--|--|---------|--|
| pectrum | | | | | | | |
| RefLevel 30.00 dBm Offset 3 Att 20 dB SWT | 23.64 dB RBW 100 kHz 1.1 ms VBW 300 kHz Mode Sweep | | | | | | |
| Att 20 08 SWI | 1.1 ms - VBW 300 KHZ Mode Sweep | | | | | | |
| | M1[1] | 17.01 dBm 2.4357750 GHz | | | | | |
|) dBm | M1 | | | | | | |
| D dBm | materalization verticationalin | mentioned and | | | | | |
| rubiii | Ý | | | | | | |
| dBm | | | | | | | |
| .0 dBm | | Vine | | | | | |
| MAN | | | | | | | |
| 0 dBm | | | | | | | |
| 0 dBm | | | | | | | |
| | | | | | | | |
| D dBm | | | | | | | |
| D dBm | | | | | | | |
| | | | | | | | |
| 0 dBm | | | | | | | |
| 2.437 GHz | 1001 pts | Span 25.542 MHz | | | | | |
| | Meast | 1109 (111111) 4/9 | | | | | |
| | us Emission 30MH | z~1GHz | Spuric | ous Emissio | on 1GHz~2 | 26.5GHz | z |
| Spurio | us Emission 30MH | | | ous Emissic | on 1GHz~2 | 26.5GHz | z |
| Spurio | 23.64 dB 🗑 RBW 100 kHz | z~1GHz (₩) | Spectrum Ref Level 20.00 dBm Offs | et 23.64 dB 👄 RBW 100 k | kНz | 26.5GH2 | Z |
| Spurio | | | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWI | et 23.64 dB 👄 RBW 100 k | kHz | 26.5GH2 | Z |
| Spurio | 23.64 dB 🗑 RBW 100 kHz | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs | et 23.64 dB 👄 RBW 100 k | kНz | 26.5GH2 | 12.42 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | () () | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT 1Pk View | et 23.64 dB 👄 RBW 100 k | kHz KHz Mode Sweep | 26.5GHz | 12.42 2.442830 -42.35 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT PPk View MI 10 dBm | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum RefLevel 20.00 dBm Offs Att 10 dB SWT 91Pk View M1 | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWI ID dB // 10 dB SWI 0 dBm 0 dBm 10 dBm | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWI ID dB n 0 0 0 dBm 0 dBm -10 dBm 01 -12.990 dBm 0 | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 16.149470 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWI ID dB // 10 dB SWI 0 dBm 0 dBm 10 dBm | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWI ID dB n 0 0 0 dBm 0 dBm -10 dBm 01 -12.990 dBm 0 | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT PIPk View M1 10 dBm 0 dBm 0 dBm 01 -12.990 dBm -20 dBm 01 -12.990 dBm 01 -12.990 dBm | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio pectrum 0.00 dBm Offset 1: 10 dB SWT Offset 1: 10 dB Offset 1: Offset 1: 0 dB 0 Offset 1: | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att = 10 dB SWT I 10 dBm 0 dBm 10 dBm 0 dBm -10 dBm 01 -12.990 dBm -20 dBm -30 dBm -40 dBm -40 dBm | et 23.64 dB 👄 RBW 100 k | kHz KHZ Mode Sweep M1[1] | | 12.42 2.442830 -42.35 |
| Spurio pectrum 0.00 dBm Offset 1: 10 dB SWT Offset 1: 10 dB Offset 1: Offset 1: 0 dB 0 Offset 1: | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT In U dB In U SWT In U dBm 0 dBm 0 dBm 10 dBm 01 -12.990 dBm -20 dBm -20 dBm -30 dBm -40 dSm | et 23.64 dB 👄 RBW 100 k | KH2 KH2 Mode Sweep M1[1] M2[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio pectrum 0.0 dBm Offset 1: 10 dB SWT Offset 1: 10 dB SWT Offset 1: 10 dB Offset 1: Offset 1: 10 dB Offset 1: Offset 1: 0 dBm 0 Offset 1: | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm 761.6570 MHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT In U dB In U SWT In U dBm 0 dBm 0 dBm 10 dBm 01 -12.990 dBm -20 dBm -20 dBm -30 dBm -40 dSm | et 23.64 dB RBW 100 i 255 ms VBW 300 i | KH2 KH2 Mode Sweep M1[1] M2[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Sputio Pectrum 0.00 dBm Offset 1 Ref Lovel 20.00 dBm 10 dB SWT 10 dB SWT 10 dBm 0 0 0 0 dBm 0 1-12.990 dBm 0 0 dBm 0 0 0 | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm 761.6570 MHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT ● 1Pk View Mit 10 0 dBm 01 -12.990 dBm -10 dBm 01 -12.990 dBm -20 dBm -30 dBm | et 23.64 dB RBW 100 i 255 ms VBW 300 i | KH2 KH2 Mode Sweep M1[1] M2[1] | | 12.42 2.442830 -42.35 |
| Spurio Ref Level 20.00 dBm Offset 1 10 dB SWT dBm IdBm dBm IdBm 0 dBm IdBm | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm 761.6570 MHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT ID dBm 0 0 0 dBm 0 0 -10 dBm 01 -12.990 dBm -20 dBm -20 dBm -30 dBm -30 dBm | et 23.64 dB RBW 100 i 255 ms VBW 300 i | KH2 KH2 Mode Sweep M1[1] M2[1] | 26.5GH2 | 12.42 2.442830 -42.35 |
| Spurio pectrum 0.00 dBm Offset 1 tat 1.0 dB SWT pkt 1.0 dB SWT gBm 0.00 dBm 0.00 dBm 0 dBm 0.01 -12.990 dBm 0.00 dBm 0 dBm 0.00 dBm 0.00 dBm 0 dBm 0.00 dBm 0.00 dBm 0 dBm 0.00 dBm 0.00 dBm | 23.64 db RBW 100 kHz 30.1 ms VBW 300 kHz M1[1] M1[1] M1[1] | -52.96 dBm 761.8570 MHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT IPk View M1 1 10 dBm 0 0 -10 dBm 01 -12.990 dBm - -20 dBm - - -30 dBm - - -70 dBm - - | et 23.64 dB RBW 100 l 255 ms VBW 300 l 255 ms VBW 300 l 100 | KHZ KHZ Mode Sweep M1[1] M2[1] M2[1] M2[1] | 26.5GH2 | 12.42 2.44283 -42.35 16.149470 |
| Pectrum RefLevel 20.00 dBm Offset 1 Att 10 dB SWT IPk View 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm | 23.64 dB e RBW 100 kHz 30.1 ms e VBW 300 kHz Mode Sweep | -52.96 dBm 761.6570 MHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT ● 1Pk View Mit 10 0 dBm 01 -12.990 dBm -10 dBm 01 -12.990 dBm -20 dBm -30 dBm | et 23.64 dB RBW 100 l 255 ms VBW 300 l 255 ms VBW 300 l 100 | KH2 KH2 Mode Sweep M1[1] M2[1] | | 12.42 2.442830 -42.35 |

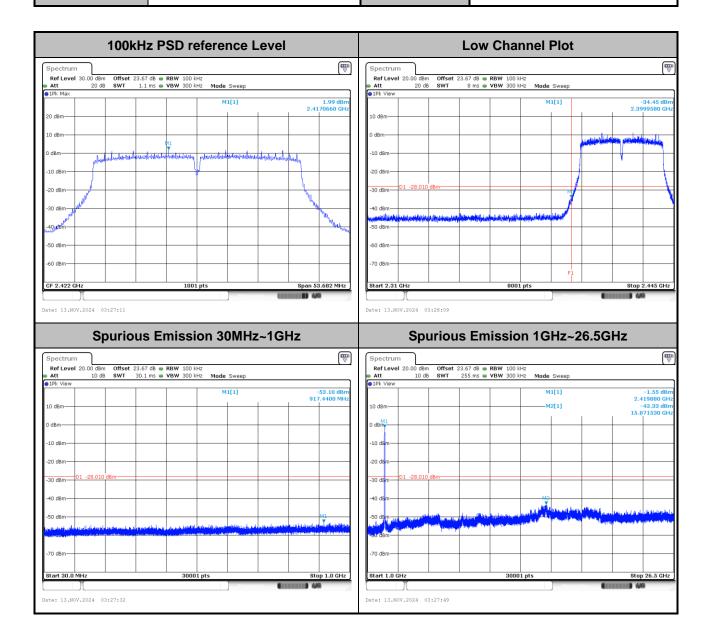


802.11n HT20





802.11n HT40



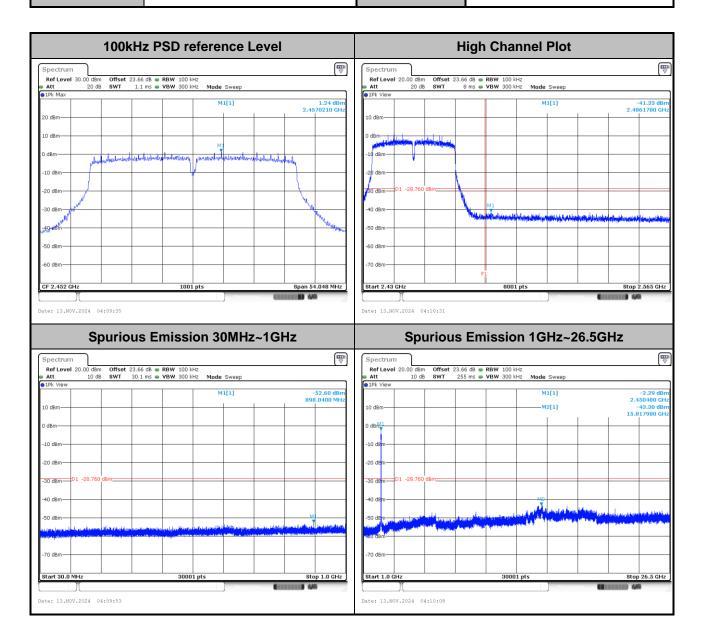


| Test Mode : | 802.11n HT40 | Test Channel : | 06 |
|-------------|--------------|----------------|----|
|-------------|--------------|----------------|----|

| 100kHz PSD reference Level | | | | Middle Channe | el Plot | |
|--|--|--|--|---|-------------------|---|
| Spectrum | | | | | | |
| Ref Level 30.00 dBm Offset Att 20 dB SWT | 23.64 dB | ep | | | | |
| 1Pk Max | M1[1] | 13.32 dBm | | | | |
| 20 dBm | | 2.4420590 GHz | | | | |
| | | | | | | |
| 10 dBm | formation production of the subdividual of the subd | where which a share have been have b | | | | |
| D dBm | ↓ ↓ ↓ | | | | | |
| -10 dBm | | | | | | |
| Month | | Markhand La | | | | |
| -20 dem M | | weile and freeze | | | | |
| -30 dBm | | | | | | |
| -40 dBm | | | | | | |
| | | | | | | |
| -50 dBm | | | | | | |
| -60 dBm | | | | | | |
| CF 2.437 GHz | 1001 pts | Span 54.456 MHz | | | | |
| 5F 2.457 GFI2 | 1001 pts | apan 34.430 MHz | | | | |
| | us Emission 30M | Hz~1GHz | Spurio | us Emission 1 | GHz~26 5 | GH7 |
| | us Emission 30M | | | us Emission 10 | GHz~26.5 | |
| Spectrum Ref Level 20.00 dlim Offset | 23.64 dB 👄 RBW 100 kHz | | Spectrum Ref Level 20.00 dBm Offset | t 23.64 dB 🗑 RBW 100 kHz | | |
| Spectrum Ref Level 20.00 dlim Offset | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | (₩) 39 | Spectrum | t 23.64 dB 🗑 RBW 100 kHz | de Sweep | [1 |
| Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.64 dB 👄 RBW 100 kHz | | Spectrum Ref Level 20.00 dBm Offse tt 10 dB SWT 1Pk View M1 | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | 9.12 de 2.436030 G |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum RefLevel 20.00 dBm Offse Att 10 dB SWT | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep | 9.12 df 2.436030 G -42.98 df |
| Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Level 20.00 dBm Offse tt 10 dB SWT 1Pk View M1 | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | 9.12 dđ 2.436030 G -42.98 dđ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Lovel 20.00 dBm Offset # Att 10 dB SWT PIPk View 10 dBm 10 dBm | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | 9.12 dđ 2.436030 G -42.98 dđ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB 3WT 10 dBm 0 -10 dBm 0 -10 dBm 0 | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Level 20.00 dbm Offset Att 10 db SWT IPk View Interview Interview 0 dbm 0 dbm Interview -10 dbm OL - 16.680 dbm Interview | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | 9.12 dđ 2.436030 G -42.98 dđ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB swT 10 dB swT 10 dBm 0 dBm -10 dBm | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Level 20.00 dbm Offset # Att 10 db SWT # In the set of the | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | 9.12 dđ 2.436030 G -42.98 dđ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB 3WT 10 dBm 0 -10 dBm 0 -10 dBm 0 | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Level 20.00 dbm Offset Att 10 db SWT IPk View Interview Interview 0 dbm 0 dbm Interview -10 dbm OL - 16.680 dbm Interview | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | GHz 9.12 dB 2.436030 cD 15.824780 cD 15.824780 cD |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dBm 0 dBm -10 dBm 01 -16.680 dBm | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Level 20.00 dbm Offset # Att 10 db SWT # In the view 0 dbm 0 dbm 0 dbm 0 dbm 0 dbm -10 dbm D1 -16.680 dbm -20 dbm | t 23.64 dB ● RBW 100 kHz 255 ms ● VBW 300 kHz Mo | de Sweep M1[1] | 9.12 dđ 2.436030 G -42.98 dđ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dB M 10 dBm -10 dBm -20 dBm -40 dBm | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | -52.65 dBm | Spectrum Ref Level 20.00 dBm Offset • Att 10 dB SWT • IPk View 0 0 • 0 dBm 0 0 -20 dBm 01 -16.680 dBm -20 dBm -30 dBm -40 dBm -10 dBm | E 23.64 db @ RBW 100 KHz 255 ms @ VBW 300 KHz Mo | de Sweep M1[1] | 9.12 df 2.436030 G -42.98 df |
| Spectrum Ref Level 20.00 dBm Offset 10 dB 0 dB 10 dBm 0 dB -10 dBm 01 -16.680 dBm -20 dBm -16.680 dBm | 23.64 dB • RBW 100 kHz 30.1 ms • VBW 300 kHz Mode Swee | | Spectrum Ref Level 20.00 dbm Offset Att 10 db SWT 9 1Pk View 0 dbm 10 dbm 0 dbm -10 dbm - - -20 dbm - 16.680 dbm -30 dbm - - -30 dbm - - -50 dbm - - | 23.64 dB RBW 100 kHz 255 ms VBW 300 kHz Mo | de Sweep M1[1] | 9.12 df 2.436030 G -42.98 df |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dB M 10 dBm -10 dBm -20 dBm -40 dBm | 23.64 dB RBW 100 KHz 30.1 ms VBW 300 KHz Mode Swee M1[1] M1[1] M1[1] M1[1] | | Spectrum Ref Level 20.00 dBm Offset Att 10 dB 9 IPk View M1 0 dBm 0 0 dBm 0 -10 dBm 01 -20 dBm 01 -30 dBm -01 -50 dBm -01 | 23.64 dB RBW 100 kHz 255 ms VBW 300 kHz Mo | de Sweep M1[1] | 9.12 df 2.436030 G -42.98 df |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dB M 10 dBm -10 dBm -20 dBm -40 dBm | 23.64 dB RBW 100 KHz 30.1 ms VBW 300 KHz Mode Swee M1[1] M1[1] M1[1] M1[1] | | Spectrum Ref Level 20.00 dbm Offset Att 10 db SWT 9 1Pk View 0 dbm 10 dbm 0 dbm -10 dbm - - -20 dbm - 16.680 dbm -30 dbm - - -30 dbm - - -50 dbm - - | 23.64 dB RBW 100 kHz 255 ms VBW 300 kHz Mo | de Sweep M1[1] | 9.12 dđ 2.436030 G -42.98 dđ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB 10 dB SWT 10 dBm 0 dBm -10 dBm 0 dBm -20 dBm 01 -16.680 dBm | 23.64 dB = RBW 100 kHz 30.1 ms • VBW 300 kHz M1[1] M1[1 | 29 - S2.65 dBm 875.9250 MHz 1 1 1 1 1 1 1 1 1 1 1 1 1 | Spectrum Ref Level 20.00 dbm Offset Att 10 db SWT 9 1Pk View 0 dbm 0 dbm 0 dbm -10 dbm - - -20 dbm - - -30 dbm - - -30 dbm - - -70 dbm - - | 23.64 dB RBW 100 kHz 255 ms VBW 300 kHz Mo | de Sweep M1[1] | 9.12 de 2.436030 de 15.024780 d |
| Spectrum Ref Level 20.00 dBm Offset 10 dB Offset 10 dB Offset 10 dBm 10 dBm -0 dBm -10 dBm< | 23.64 dB RBW 100 KHz 30.1 ms VBW 300 KHz Mode Swee M1[1] M1[1] M1[1] M1[1] | | Spectrum Ref Level 20.00 dbm Offset Att 10 db SWT 9 1Pk View 0 dbm 10 dbm 0 dbm -10 dbm - - -20 dbm - - -30 d6m - - -50 dbm - - -50 dbm - - -60 dbm - - | 23.64 dB RBW 100 kHz 255 ms VBW 300 kHz Mo | de Sweep M1[1] | 9.12 df 2.436030 G -42.98 df |



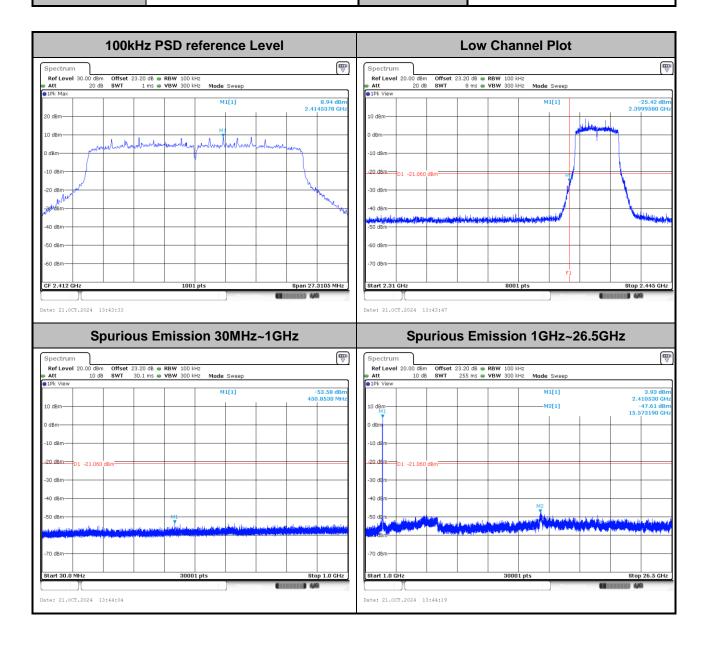
802.11n HT40





Test Mode : 802.11ax

802.11ax HE20_FullRU



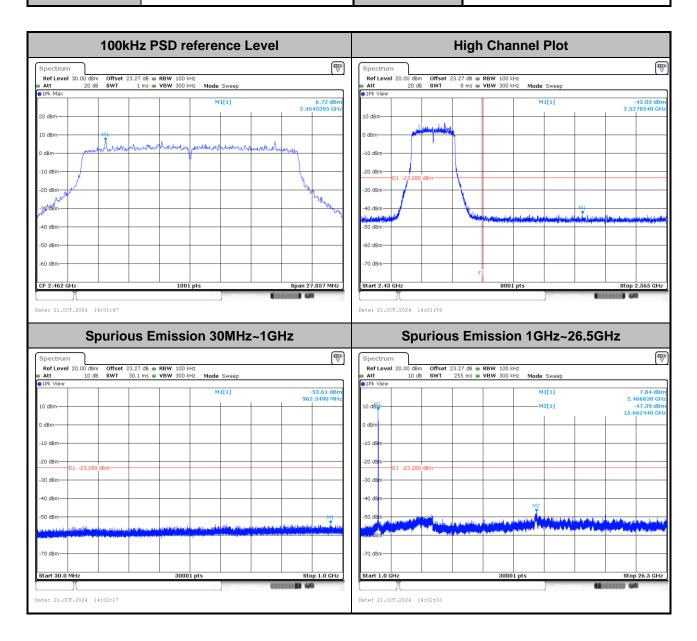


| Test Mode : | 802.11ax HE20_FullRU | Test Channel : | 06 |
|-------------|----------------------|----------------|----|
|-------------|----------------------|----------------|----|

| 100 | 100kHz PSD reference Level | | | Middle Cha | nnel Plot | | |
|---|--|---------------------------------------|--|--|---|------------------------------|--------------------------------------|
| Spectrum | | | | | | | |
| Ref Level 30.00 dBm Offset 3 Att 20 dB SWT | 23.10 dB • RBW 100 kHz 1 ms • VBW 300 kHz Mode Sweep | | | | | | |
| 1Pk Max | | 15.94 dBm | | | | | |
| | MILIJ | 2.4357643 GHz | | | | | |
| 10 dBm | To sa a | | | | | | |
| .0 dBm | eloursen burden more laster that | www.hannen | | | | | |
| dBm | Y I | | | | | | |
| | | | | | | | |
| 10 dBm | | - Ma | | | | | |
| 20, d 8m | | Wy way | | | | | |
| P | | · · · · · · · · · · · · · · · · · · · | | | | | |
| 30 dBm | | | | | | | |
| 40 dBm | | | | | | | |
| 50 dBm | | | | | | | |
| | | | | | | | |
| 50 dBm | | | | | | | |
| | 1001 pts | | | | | | |
| | | Span 26.8995 MHz | | | | | |
| te: 21.0CT.2024 13:53:21 | Maasor | | Spuriou | is Emissior | 1GHz~26 |).5GHz | |
| | us Emission 30MHz | ~1GHz | | ıs Emissior | n 1GHz~26 | 6.5GHz | |
| te: 21.0CT.2024 13:53:21 Spurio Spectrum Ref Level 20.00 dBm Offset 3 | | | Spectrum Ref Level 20.00 dBm Offset | 23.10 dB 👄 RBW 100 kHz | : | 6.5GHz | |
| te: 21.0CT.2024 13:53:21 Spurio Spectrum Ref Level 20.00 dBm Offset 3 | us Emission 30MHz | ~1GHz | Spectrum | | : |).5GHz | |
| te: 21.0CT.2024 13:53:21 Spectrum RefLevel 20.00 dBm Offset 1 Att 10 dB SWT | | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.10 dB 👄 RBW 100 kHz | : | 13 |).86 d |
| Spectrum Ref Level 20.00 dBm Offset 1 Att 10 dB SWT IPk View | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | ~1GHz | Spectrum Rof Level 20.00 dBm Offset Att 10 dB SWT | 23.10 dB 👄 RBW 100 kHz | : Mode Sweep | 13 2.434 -47 |).86 d 330 (7.46 d |
| te: 21.0CT.2024 13:53:21 Spectrum RefLevel 20.00 dBm Offset 1 Att 10 dB SWT | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset | 23.10 dB 👄 RBW 100 kHz | Mode Sweep | 13 2.434 |).86 d 330 (7.46 d |
| Spectrum Ref Level 20.00 dBm Offset 380 SWT 19k View 0 dBm 0 dBm 0 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset w Att 10 dB SWT IV New M1 10 dB 0 dBm 0 dBm 0 dBm | 23.10 dB 👄 RBW 100 kHz | Mode Sweep | 13 2.434 -47 |).86 c 330 .46 c |
| | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT It 10 dB 0 0 dBm 0 0 -10 dBm | 23.10 dB 👄 RBW 100 kHz | Mode Sweep | 13 2.434 -47 |).86 c 330 .46 c |
| Spectrum Ref Level 20.00 dBm Offset 1 Nt 10 dB 0 dBm 0 0 dBm 0 0 dBm 0 | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset w Att 10 dB SWT IV New M1 10 dB 0 dBm 0 dBm 0 dBm | 23.10 dB 👄 RBW 100 kHz | Mode Sweep | 13 2.434 -47 |).86 d 330 (7.46 d |
| te: 21.0CT.2024 13:53:21 Spectrum Ref Level 20.00 dBm Offset 1 10 dB SWT 10 dB SWT 10 dB 0 dBm 0 dBm 0 dBm 0 1 -14.060 dBm 0 1 -14.060 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm • Att 10 dB Mi 10 dBm 0 dBm -10 dBm -20 dBm | 23.10 dB 👄 RBW 100 kHz | Mode Sweep | 13 2.434 -47 |).86 d 330 (7.46 d |
| te: 21.0CT.2024 13:53:21 Spectrum Ref Level 20.00 dBm Offset 1 10 dBm 0 dBm 0 dBm 01 -14.060 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT It is the second seco | 23.10 dB 👄 RBW 100 kHz | Mode Sweep | 13 2.434 -47 |).86 d 330 (7.46 d |
| te: 21.0CT.2024 13:53:21 Spectrum Ref Level 20.00 dBm Offset 1 10 dB SWT 10 dB SWT 10 dB 0 dBm 0 dBm 0 dBm 0 1 -14.060 dBm 0 1 -14.060 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm • Att 10 dB Mi 10 dBm 0 dBm -10 dBm -20 dBm | 23.10 dB 👄 RBW 100 kHz | Mode Sweep M1[1] —M2[1] | 13 2.434 -47 |).86 d 330 (7.46 d |
| Spectrum Ref Level 20.00 dBm Offset 3 10 dBm 01 -14.060 dBm 20 dBm 01 -14.060 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset w Att 10 dB SWT ID dBm 0 0 0 dBm 0 0 -10 dBm 01 -14.060 dBm -20 dBm -30 dBm -30 dBm | 23.10 dB 👄 RBW 100 kHz | Mode Sweep M1[1] M2[1] M2[1] | 13 2.434 -47 15.597 | 3.86 d 3330 (7.46 d 7840 (|
| te: 21.0CT.2024 13:53:21 Spectrum Ref Level 20.00 dBm Offset 3 Att 10 dB SWT 10 dBm 0 dBm 0 dBm 0 1 -14.060 dBm 20 dBm 40 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Rof Level 20.00 dBm Offset Att 10 dB SWT IPk View M1 10 0 dBm 0 0 dBm -10 dBm 01 -14.060 dBm -20 dBm -30 dBm -40 dBm | 23.10 db e RBW 100 kHz 255 ms e VBW 300 kHz | Mode Sweep MI[1] ——M2[1] M2[1] M2 M2 M2 | 13 2.434 -47 | 3.86 c 1330 (7.46 c 7840 (|
| te: 21.0CT.2024 13:53:21 Spectrum Ref Level 20.00 dBm Offset 3 Att 10 dB SWT 10 dBm 0 dBm 0 dBm 0 1 -14.060 dBm 20 dBm 40 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Rof Level 20.00 dBm Offset Att 10 dB SWT IPk View M1 10 0 dBm 0 0 dBm -10 dBm 01 -14.060 dBm -20 dBm -30 dBm -40 dBm | 23.10 dB RBW 100 kHz 255 ms VBW 300 kHz | Mode Sweep MI[1] ——M2[1] M2[1] M2 M2 M2 | 13 2.434 -47 15.597 | 3.86 d 3330 (7.46 d 7840 (|
| te: 21.0CT.2024 13:53:21 Spectrum Ref Level 20.00 dBm Offset 3 Att 10 dB SWT 10 dBm 0 dBm 0 dBm 0 1 -14.060 dBm 20 dBm 40 dBm | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Rof Level 20.00 dBm Offset Att 10 dB SWT IPk View M1 10 0 dBm 0 0 dBm -10 dBm 01 -14.060 dBm -20 dBm -30 dBm -40 dBm | 23.10 dB RBW 100 kHz 255 ms VBW 300 kHz | Mode Sweep MI[1] ——M2[1] M2[1] M2 M2 M2 | 13 2.434 -47 15.597 | 3.86 d 330 (2.46 d 840 (|
| | US Emission 30MHz 23.10 dB @ PBW 100 HH2 30.1 ms @ YBW 300 kH2 Mode Sweep M1[1] M1[1 | -51.54 dBm 708.0560 MHz | Spectrum Ref Level 20.00 dBm Offset • Att 10 dB SWT • IP: View M1 10 0 dBm 0 0 -10 dBm 0 | 23.10 dB RBW 100 kHz 255 ms VBW 300 kHz | Mode Sweep M1[1] M2[1] | 13 2.434 -47 15.597 | 3.86 d 3330 (2.46 d 7840 (|
| | US Emission 30MHz 23.10 db @ PBW 100 HHz 30.1 ms @ VBW 300 kHz Mode Sweep | -51.51 dBm | Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT It 10 dBm 0 0 dBm 0 0 dBm -10 dBm 0 | 23.10 dB RBW 100 kHz 255 ms VBW 300 kHz | Mode Sweep M1[1] M2[1] | 13 2.434 -47 15.597 | 2.46 d 7840 (|



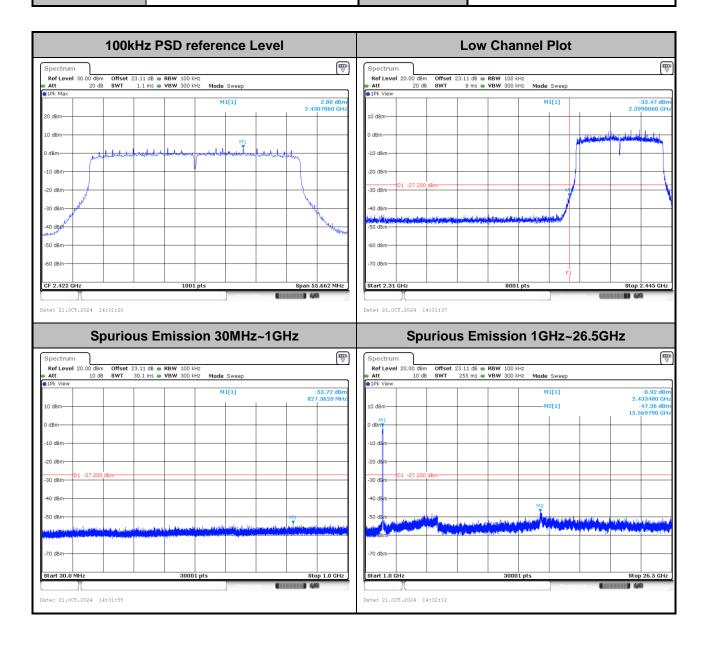
| Test Mode : | 802.11ax HE20_FullRU | Test Channel : | 11 |
|-------------|----------------------|----------------|----|
|-------------|----------------------|----------------|----|





Test Mode : 802.11ax HE

802.11ax HE40_FullRU

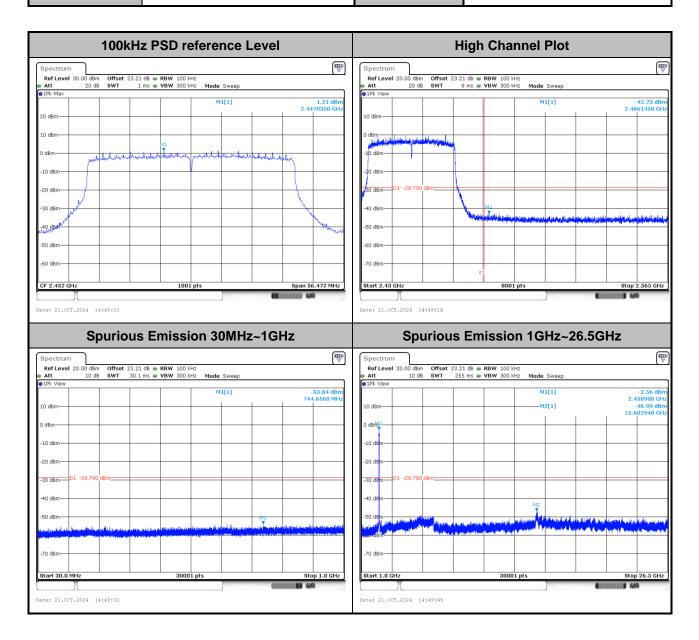




| Test Mode : | 802.11ax HE40_FullRU | Test Channel : | 06 |
|-------------|----------------------|----------------|----|
|-------------|----------------------|----------------|----|

| 100k | 100kHz PSD reference Level | | | Middle Cha | annel Plot | |
|--|---|---------------------------|---|---|--|---------------------------------------|
| Spectrum | | | | | | |
| Ref Level 30.00 dBm Offset 2 Att 20 dB SWT | 1.10 dB | | | | | |
| 1Pk Max | · · · · · | | | | | |
| | M1[1] | 5.28 dBm 2.4457560 GHz | | | | |
| 20 dBm | | | | | | |
| 10 dBm | M1 | | | | | |
| | enselves marked at the property of the the selfer the | heldel. | | | | |
| D dBm | | | | | | |
| -10 dBm | | | | | | |
| 20 dBm | | | | | | |
| | | | | | | |
| 30 dBm | | | | | | |
| 40,dBm | | Werneiter | | | | |
| ···· | | | | | | |
| 50 dBm | | | | | | |
| 60 dBm | | | | | | |
| | | | | | | |
| | | Span 56.544 MHz | | | | |
| CF 2.437 GHZ | 1001 pts | 444 | | | | |
| CF 2.437 GHz | Measuring | (IIIIII) (A | | | | |
| CF 2.437 GH2 | 1001 pts | CONTRACTOR 4/2 | | | | |
| ate: 21.0CT.2024 14:44:23 | Maaurios | | Courio | | n 10U- 20 | 504- |
| ate: 21.00T.2024 14:44:23 | us Emission 30MHz~1 | | Spurio | ous Emissio | n 1GHz~26 | .5GHz |
| ate: 21.00T.2024 14:44:23 | Maaurios | IGHz | Spurio | ous Emissio | n 1GHz~26 | .5GHz |
| spectrum Ref Level 20.00 dBm Offset 2 | us Emission 30MHz~1 | | Spectrum Ref Level 20.00 dBm Offse | et 23.10 dB 👄 RBW 100 kH | ⊣z | .5GHz |
| te: 21.007.2024 14:44:23 Spectrum RefLevel 20.00 dBm Offset 2 Att 10 dB SWT 3 | US Emission 30MHz~1 | IGHz | Spectrum | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep | |
| te: 21.007.2024 14:44:23 Spectrum RefLevel 20.00 dBm Offset 2 Att 10 dB SWT 3 | us Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT | et 23.10 dB 👄 RBW 100 kH | ⊣z | .5GHz |
| te: 21.0CT.2024 14:44:23 Spectrum RefLevel 20.00 dBm Offset 2 Att 10 dB SWT 3 10 HK View | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT 10 dBm 10 dBm | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep | 1.55 2.42498 -47.76 |
| te: 21.0CT.2024 14:44:23 Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 2 10 dB SWT 2 | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep M1[1] | 1.55 2.42498 |
| te: 21.0CT.2024 14:44:23 Spectrum Ref Level 20.00 dim Offset 2 Att 10 di Swr 3 IPk View o dim dim | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offs Att 10 dB SWT ID dBm ID dBm ID dBm N1 0 dBm ID dBm | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep M1[1] | 1.55 2.42498 -47.76 |
| te: 21.0CT.2024 14:44;23 Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB WT Offset 2 MT O | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offs: Att 10 db SWT ID dbm 10 dbm 10 dbm | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep M1[1] | 1.55 2.42498 -47.76 |
| te: 21.0CT.2024 14:44:23 Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB WY U0 dBm U0 | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offs Att 10 dB Swr ID dBm 10 dBm 10 dBm N1 0 dBm | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep M1[1] | 1.55 2.42498 -47.76 |
| | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB 9 TPk View 0 10 dBm 0 10 dBm 0 -10 dBm - -20 dBm 01 -24.720 dBm | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep M1[1] | 1.55 2.42498 -47.76 |
| te: 21.0CT.2024 14:44:23 Spectrum Ref Lovel 20.00 dBm Offset 2 10 dB Offset 2 10 dBm O dBm | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offs Att 10 dB Swr ID dBm 10 dBm 10 dBm N1 0 dBm | et 23.10 dB 👄 RBW 100 kH | Hz Hz Mode Sweep M1[1] | 1.55 2.42498 -47.76 |
| te: 21.0CT.2024 14:44:23 Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB WY U0 dBm Offset 2 dBm OdBm Offset 2 dBm Offset 2 | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB 9 TPk View 0 10 dBm 0 10 dBm 0 -10 dBm - -20 dBm 01 -24.720 dBm | et 23.10 dB 👄 RBW 100 kH | 42 42 Mode Sweep M1[1] —M2[1] —M2[1] | 1.55 2.42498 -47.76 |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB Offset 2 JPK View 0 BWT 10 dBm 0 0 -10 dBm 0 -24.720 -40 dBm 01 -24.720 -24.720 | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT I Pk View III IIII I 0 dBm IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | et 23.10 dB 👄 RBW 100 kH | 42 Mode Sweep M1[1] M2[1] M2[1] M2[1] | 1.55 2.42400 -47.76 15.64204 |
| Image: state | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offse Att 10 db Swr ID dbm 10 dbm 10 dbm ID dbm - - -10 dbm - - -20 dbm - - -30 dbm - - | et 23.10 dB ee RBW 100 kh 255 ms ee VBW 300 kh | 42 42 Mode Sweep M1[1] M2[1] M2[1] | 1.55 2.42400 -47.76 15.64204 |
| Atte: 21.0CT.2024 14:44:23 Spectrum Offset 2 2 Ref Level 20.00 dBm Offset 2 30 dBm 10 dB SWT 30 dBm 01 - 24.720 dBm 30 dBm | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT I Pk View III IIII I 0 dBm IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | et 23.10 db @ RBW 100 kh 255 ms @ VBW 300 kh | 42 42 Mode Sweep M1[1] M2[1] M2[1] | 1.55 2.42400 -47.76 15.64204 |
| Image: state | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dBm Offs Att 10 dB SWT I Pk View III IIII I 0 dBm IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | et 23.10 dB ee RBW 100 kh 255 ms ee VBW 300 kh | 42 42 Mode Sweep M1[1] M2[1] M2[1] | 1.55 2.42400 -47.76 15.64204 |
| | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offse Att 10 db Swr ID dbm 10 dbm 10 dbm M1 0 dbm 10 dbm -10 dbm - - -20 dbm - - -30 dbm - - -50 dbm - - | et 23.10 dB ee RBW 100 kh 255 ms ee VBW 300 kh | 42 42 Mode Sweep M1[1] M2[1] M2[1] | 1.55 2.42400 -47.76 15.64204 |
| | US Emission 30MHz~1 | IGHz | Spectrum Ref Level 20.00 dbm Offse Att 10 db Swr ID dbm 10 dbm 10 dbm M1 0 dbm 10 dbm -10 dbm - - -20 dbm - - -30 dbm - - -50 dbm - - | et 23.10 dB ee RBW 100 kh 255 ms ee VBW 300 kh | 12 12 Mode Sweep M1[1] M2[1] M2[1] M2[1] | 1.55 2.42400 -47.76 15.64204 |







Number of TX = 2, Ant. 2 (Measured)

| Test Mode : | 802.11b | Test Channel : | 01 |
|-------------|---------|----------------|----|
| | | | |

| 100 | KHz PSD reference Le | evel | | Low Channe | el Plot | |
|---|---|---|---|--|------------------------------------|--|
| Spectrum | | E □ | Spectrum | | | |
| Ref Level 30.00 dBm Offset | 23.21 dB 🖷 RBW 100 kHz | (*) | Ref Level 20.00 dBm Offse | et 23.21 dB 🖷 RBW 100 kHz | | |
| Att 20 dB SWT | 1.1 ms 🖶 VBW 300 kHz Mode Sweep | | Att 20 dB SWT 1Pk View | 8 m s 👄 VBW 300 kHz 🛛 M | lode Sweep | |
| | M1[1] | 15.65 dBm | APK VIEW | | M1[1] | -33.32 |
| 20 dBm | | 2.4125420 GHz | 10 dBm | | / | 2.3996370 |
| | Low The the the terms of | | | | | |
| 10 dBm | | man and a second | 0 dBm | | | h l |
| AdBm | | | -10 dBm | | | |
| | | | D1 -14.350 dBm | | | |
| 10 dBm | | | -20 dBm | | | |
| | | | 20. db.: | | | |
| 20 dBm | | | -30 dBm | | | List. |
| -30 dBm | | | -40 dBm | | | |
| | | | and a state of the s | المداحة والمقادة والمطيق والمستعمل والمالية المستعملها | A WAR AND Y | The worker |
| 40 dBm | | | -50 dBm | | | |
| 50 dBm | | | -60 dBm | | | |
| | | | | | | |
| -60 dBm | | | -70 dBm- | | F1 | |
| | | | | | | |
| F 2.412 GHz | 1001 pts | Span 12.054 MHz | Start 2.31 GHz | 8001 pts | | Stop 2.445 |
| te: 21.0CT.2024 10:31:03 | us Emission 30MHz~ | 1GHz | Date: 21.0CT.2024 10:31:26 | us Emission 1 | GHz~26. | 5GHz |
| spurio | ous Emission 30MHz~ | | Spurio | | GHz~26. | 5GHz |
| spectrum | | ·1GHz | Spurio | us Emission 1 | GHz~26. | 5GHz |
| spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.21 dB • RBW 100 kHz 30.1ms • VBW 300 kHz Mode Sweep | | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT | DUS Emission 1 | GHz~26. | 5GHz |
| spectrum Ref Level 20.00 dam Offset | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | | Spectrum Ref Level 20.00 dBm Offse | DUS Emission 1 | lode Sweep | |
| Att 10 dB SWT | 23.21 dB 🗑 RBW 100 kHz | | Spectrum RefLevel 20.00 dbm offse Att 0108 SWT | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 |
| spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Refuevel 20.00 dbm offse Att 10 db swr | DUS Emission 1 | lode Sweep | 14.57 |
| Image: state Spurio Spectrum Ref Level 20.00 dBm Offset Att Offset SWT 10 dB SWT 10 dBm Image: state | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum RefLevel 20.00 dbm offse Att 0108 SWT | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| Atte: 21.0CT.2024 10:31:03 Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT D3PF View 10 dBm D dBm | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dbm offse Att D db SWT D dbm 0 dbm 0 dbm | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| Att 10 dB SWT | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dbm Offse Att 10 db SWT D BK View M1 10 dbm -10 dbm -10 dbm | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| Attest 21.0CT.2024 10:31:03 Spectrum Spectrum Ref Level 20.00 dBm Offset 10 dBm 0 dBm 0 10 dBm 0 0 10 dBm 0 | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dbm Offse Att 10 db SWT ID dbm 0 0 10 dbm 0 0 -20 dbm 01 -14.350 dbm -20 dbm | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| Spectrum Att 10 dB 10 dB 01 -14.350 dB | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dbm Offse Att 10 db SWT D UBM 0 dbm -10 dbm D1 -14.350 dbm | DUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| Attest 21.0CT.2024 10:31:03 Spectrum Spectrum Ref Level 20.00 dBm Offset 10 dBm 0 dBm 0 10 dBm 0 0 10 dBm 0 | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dbm Offse Att 10 db SWT ID dbm 0 0 10 dbm 0 0 -20 dbm 01 -14.350 dbm -20 dbm | PUS Emission 1 | Iode Sweep M1[1] M2[1] | 14.57 2.411380 -45.76 |
| Image: state in the s | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dbm Offse Att 10 dbm 10 db 0 dbm 0 -10 dbm 01 -14.350 dbm -20 dbm -40 dbm | PUS Emission 1 | lode Sweep M1[1] | 14.57 2.411380 -45.76 |
| Image: state in the s | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dim Offse Att 10 db SWT D D D 10 db | PUS Emission 1 | Iode Sweep M1[1] M2[1] | 14.57 2.411380 -45.76 |
| Atte: 21.0CT.2024 10:31:03 Spectrum Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT 10 dB U 10 dB 10 dBm 01 -14.350 dBm 20 dBm 01 -14.350 dBm | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT ID dBm 0 0 -10 dBm 01 -14.350 dBm -20 dBm -30 dBm -40 dBm | PUS Emission 1 | tode Sweep M1[1] | 14.57 2.411300 -45.76 15.612290 |
| Image: state in the s | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT ID dBm 0 0 -10 dBm 01 -14.350 dBm -20 dBm -30 dBm -40 dBm | PUS Emission 1 | tode Sweep M1[1] | 14.57 2.411300 -45.76 15.612290 |
| Image: state in the s | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT ID dBm 0 0 -10 dBm 01 -14.350 dBm -20 dBm -30 dBm -40 dBm | PUS Emission 1 | tode Sweep M1[1] | 14.57 2.411300 -45.76 15.612290 |
| Attest 21.0CT.2024 10:31:03 Spectrum Spectrum Ref Level 20.00 dBm Offset 20 rBk 0 dBm 0 10 dBm 01 -14.350 dBm 0 20 dBm 0 0 70 dBm 0 0 | 23.21 dB | -54.13 dBm 910.4230 MHz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Spectrum Ref Level 20.00 dbm Offse Att 10 db SWT #10 dbm 0 0 10 dbm 0 0 -20 dbm 01 -14.350 dbm -0 -30 dbm -0 -0 -30 dbm -0 -0 -70 dbm -0 -0 | PUS Emission 1 | tode Sweep M1[1] | 14.57 2.411300 -45.76 15.612290 |
| | 23.21 dB ● RBW 100 kHz 30.1 ms ● VBW 300 kHz Mode Sweep | -54.13 dBm | Spectrum Ref Level 20.00 dBm Offse Att 10 dB SWT PIP View 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -40 dBm -50 dBm | PUS Emission 1 | tode Sweep M1[1] | 14.57 2.411300 -45.76 15.612290 |

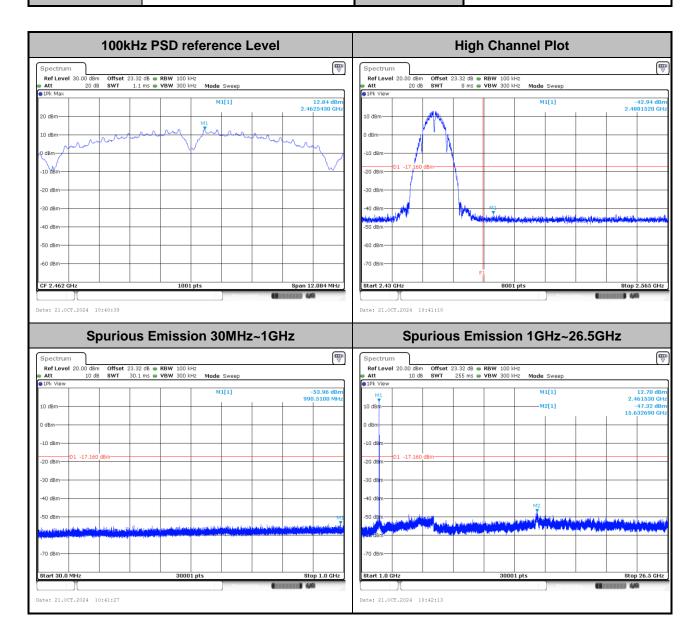


| Test Mode : | 802.11b | Test Channel : | 06 |
|-------------|---------|----------------|----|
|-------------|---------|----------------|----|

| 100 | 100kHz PSD reference Level | | | Middle Channel | Plot | |
|---|--|-------------------------------|---|--|----------------------|---|
| Spectrum | | | | | | |
| RefLevel 30.00 dBm Offset Att 20 dB SWT | 23.54 dB • RBW 100 kHz 1.1 ms • VBW 300 kHz Mode Sweep | (| | | | |
| 1Pk Max | | | | | | |
| | M1[1] | 17.92 dBm 2.4375415 GHz | | | | |
| 20 dBm | man Inna | | | | | |
| 10 dBm | | Ann | | | | |
| D-dBm | | | | | | |
| -10 dBm | | Ŵ | | | | |
| -10 dBm | | | | | | |
| -20 dBm | | | | | | |
| -30 dBm | | | | | | |
| -40 dBm | | | | | | |
| | | | | | | |
| -50 dBm | | | | | | |
| -60 dBm | | | | | | |
| CF 2.437 GHz | 1001 pts | Span 12.045 MHz | | | | |
| GF 2.407 GH2 | 1001 pts | apan 12.040 MHz | | | | |
| ate: 12.5EP.2024 00:27:36 | Measuring | | | | | |
| Spurio | us Emission 30MHz~10 | GHz | | is Emission 1GH | lz~26.5GH | |
| Spectrum Ref Level 20.00 dBm Offset | 23.11 dB 🖷 RBW 100 kHz | | Spectrum Ref Level 20.00 dBm Offset 3 | 23.11 dB 👄 RBW 100 kHz | lz~26.5GH | |
| Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | | GHz | Spectrum Ref Level 20.00 dBm Offset 3 Att 10 dB SWT | | | |
| Spectrum Ref Level 20.00 dBm Offset | 23.11 dB 🖷 RBW 100 kHz | GHz | Spectrum Ref Level 20.00 dBm Offset 3 | 23.11 dB 👄 RBW 100 kHz | меер | 16.04 dBr |
| Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz () | Spectrum Ref Level 20.00 dBm Offset : Att 10 dB SWT P1Pk View | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv | weep 1] | 16.04 dBr 2.436880 GH -45.47 dBr |
| Spectrum Ref Level 20.00 dBm Offset Att 10 dB SWT | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Spectrum Ref Level 20.00 dBm Offset : Att 10 dB SWT PPk View Y M1 | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv M1[: | weep 1] | 16.04 dBr 2.436880 GH -45.47 dBr |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dB WT | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Spectrum Ref Level 20.00 dbm Offset 1 M1 10 db 10 dbm 0 0 dbm 0 | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv M1[: | weep 1] | 16.04 dBr 2.436880 GH -45.47 dBr |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dBm 0 -10 dBm 01 -12.080 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Mil Mil 10 dB Mil 0 dBm 01 -12.080 dBm | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv M1[: | weep 1] | 16.04 dBr 2.436880 GH -45.47 dBr |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dB WT | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Spectrum Ref Level 20.00 dbm Offset 1 M1 10 db 10 dbm 0 0 dbm 0 | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv M1[: | weep 1] | 16.04 dBn 2.436880 GH -45.47 dBn |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dBm 0 -10 dBm 01 -12.080 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Mil Mil 10 dB Mil 0 dBm 01 -12.080 dBm | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv M1[: | weep 1] | Ţ |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 0 10 dBm 0 dBm -10 dBm 01 -12.080 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Mi Offset 0 dBm 0.01 -12.080 dBm -10 dBm 01 -12.080 dBm | 23.11 dB • RBW 100 kHz 255 ms • VBW 300 kHz Mode Sv M1[: | weep 1] | 16.04 dBr 2.436880 GH -45.47 dBr |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dBm 01 -10 dBm 01 -20 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Spectrum Rof Lovel 20.00 dBm Offset 1 Att 10 dB SWT In dBm 0 0 10 dBm 01 -12.080 dBm -00 dBm -20 dBm -01 -12.080 dBm -00 dBm | 23.11 dB RBW 100 kHz 255 ms VBW 300 kHz Mode 50 M1[M2[M2[| weep 1] 1] | (m v 16.04 dBr 2.436800 dH -45.47 dBr 4.873750 GH |
| Spectrum Ref Lovel 20.00 dBm Offset Att 10 dB SWT 10 dBm 0 0 -10 dBm 01 -12.080 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Mi Offset 0 dBm 0.01 -12.080 dBm -10 dBm 01 -12.080 dBm | 23.11 dB RBW 100 kHz 255 ms VBW 300 kHz Mode Sv M1[| weep | 16.04 dBr 2.436880 GH -45.47 dBr |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dBm 01 -10 dBm 01 -20 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Spectrum Ref Level 20.00 dBm Offset 1 • 10 dB SWT • 10 dB 0 • 0 dBm 0 -10 dBm 01 - 12.080 dBm -20 dBm -10 dBm -30 dBm -40 dBm | 23.11 dB RBW 100 kHz 255 ms VBW 300 kHz Mode Sy M1[M2[M2[| weep | (m v 16.04 dBr 2.436800 dH -45.47 dBr 4.873750 GH |
| Spectrum Ref Level 20.00 dBm Offset 10 dB SWT 10 dBm 01 -10 dBm 01 -20 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep | GHz | Spectrum Ref Level 20.00 dBm Offset 1 • 10 dB SWT • 10 dB 0 • 0 dBm 0 -10 dBm 01 - 12.080 dBm -20 dBm -10 dBm -30 dBm -40 dBm | 23.11 dB RBW 100 kHz 255 ms VBW 300 kHz Mode Sv M1[| weep | (∰ ▼ 16.04 dBn 2.436900 CH - 45.47 dBn 4.873750 CH |
| Spectrum Ref Level 20.00 dBm Offset 10 dB 10 dB SWT 10 dBm 0 dBm -10 dBm 01 -12.080 dBm -20 dBm | 23.11 dB | GHz -54.05 dBm 005.9160 MHz | Spectrum Ref Level 20.00 dBm Offset 1 10 dB SWT 10 dBm 0 0 dBm 0 -10 dBm 0 -20 dBm 0 -30 dBm - -50 dBm - -70 dBm - | 23.11 dB RBW 100 kHz 255 ms VBW 300 kHz Mode 50 M1[M2[M2[| weep | (₩ 16.04 dBn 2.436600 CH 4.873750 CH 4.873750 CH |
| Spectrum Ref Lovel 20.00 dBm Offset 10 dB SWT 10 dBm 0 -10 dBm 01 -20 dBm | 23.11 dB RBW 100 kHz 30.1 ms VBW 300 kHz Mode Sweep MI[1] I | GHz | Spectrum Ref Lavel 20.00 dbm Offset 1 10 db Offset 2 10 db Offset 2 0 dbm Offset 2 10 dbm O -10 dbm O -20 dbm O -30 dbm O -90 dbm M2 -30 dbm O -90 dbm M2 -90 dbm O | 23.11 dB RBW 100 kHz 255 ms VBW 300 kHz Mode Sv M1[| weep | 16.04 dBr 2.436800 dH 4.873750 GH |

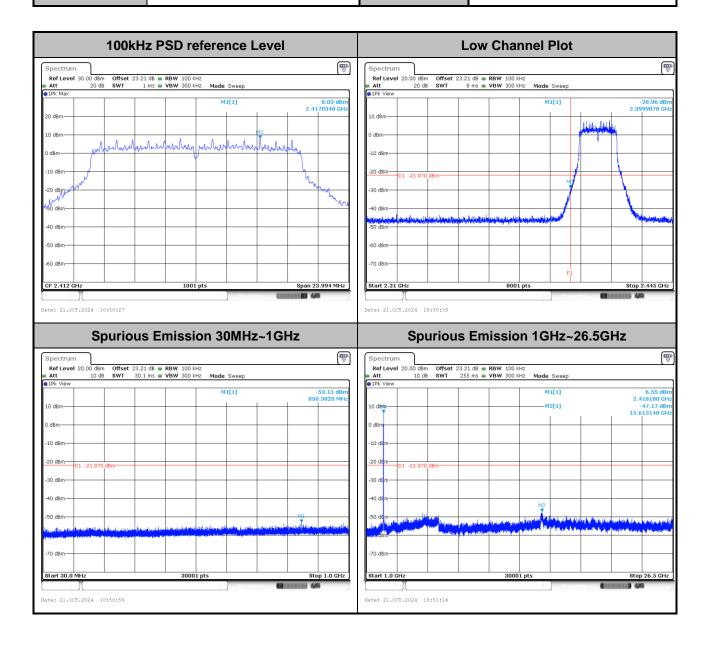


802.11b





802.11g





| Test Mode : | 802.11g | Test Channel : | 06 |
|-------------|---------|----------------|----|
|-------------|---------|----------------|----|

| 100kHz PSD reference Level | | | Middle Channel Plot | | |
|--|--|----------------------------|---|--|---|
| Spectrum | | | | | |
| RefLevel 30.00 dBm Offset 2 Att 20 dB SWT | 111 dB | | | | |
| • 1Pk Max | M1[1] | 15.23 dBm | | | |
| 20 d8m | matal 1 | 2.4420235 GHz | | | |
| 20 dbm | | | | | |
| 10 dBm | nonlassing marked and bear here here | duny | | | |
| 0 dBm | | h . | | | |
| -10 dBm | | hun | | | |
| Martin | | my how the | | | |
| -Rg, diBm | | 224 | | | |
| -30 dBm | | | | | |
| -40 dBm | | | | | |
| | | | | | |
| -50 dBm | | | | | |
| -60 dBm | | | | | |
| CF 2.437 GHz | 1001 pts | Span 24.411 MHz | | | |
| The second secon | | 4/9 | | | |
| JL | | | | | |
| ate: 21.0CT.2024 11:20:18 | | | | | |
| | | | | | |
| | us Emission 30MHz~1GH | Hz | Spurious | Emission 1GHz~26 | 6.5GHz |
| Spurio | | Hz | Spectrum | | |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT | | | Spectrum Ref Level 20.00 dBm Offset 23.3 Att 10 dB SWT 25 | | |
| Spectrum Ref Level 20.00 dBm Offset 2 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | | Spectrum Ref Level 20.00 dBm Offset 23.3 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep | [₩ V |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT | 23.11 dB 🖷 RBW 100 kHz | | Spectrum Ref Lovel 20.00 dBm Offset 23.3 M1 0 dB SWT 25 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1] | |
| Spectrum Ref Level 20.00 dBm Offset 2 htt 10 dB SWT 10 dBm | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Ref Level 20.00 dBm Offset 23.3 Att 10 dB SWT 25 12 Fk View M1 10 10 10 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep | |
| Spectrum Ref Level 20.00 dBm Offset 2 htt 10 dB SWT | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Ref Lovel 20.00 dBm Offset 23.3 M1 0 dB SWT 25 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.33 dBm 2.440280 dBr -46.62 dBr |
| Spectrum Ref Level 20.00 dBm Offset 2 htt 10 dB SWT 0 1Pk View 0 dBm 0 0 -10 dBm 0 dBm 0 0 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Ref Level 20.00 d8m Offset 23.1 Att 10 d8 SWT 25 Itk View M1 10 d8m 0 0 d8m | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.33 dBm 2.440280 GH -46.65 dBm |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 0 0 8WT 10 dBm 0 dBm 0 0 0 -10 dBm 01 -14.770 dBm 0 <td>13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep</td> <td>-53.79 dBm</td> <td>Spectrum Rof Lovel 20.00 dBm Offset 23.1 Att 10 dB SWT 25 PK View 10 0 10 0 0 dBm 0 0 0 0 0</td> <td>11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1]</td> <td>11.33 dBm 2.440280 dBr -46.62 dBr</td> | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Rof Lovel 20.00 dBm Offset 23.1 Att 10 dB SWT 25 PK View 10 0 10 0 0 dBm 0 0 0 0 0 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.33 dBm 2.440280 dBr -46.62 dBr |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 0 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Mathematical Spectrum Offset 23.0 Att 10 db SWT 25 IPk View Mi 10 SWT 25 IPk View Mi 10 db SWT 25 ID db -10 db -10 db -10 db -10 -10 -20 db -14,770 db -14,770 db -10 -14,770 db -10 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.33 dBm 2.440280 dBr -46.62 dBr |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 10 dB SWT 10 dBm 0 dBm 0 -10 dBm 01 -14.770 dBm 0 0 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | M1 Offset 23.0 10 db SWT 25 10 db WT 25 10 db M1 0 10 db 0 0 10 db 0 0 | 11 dB ● RBW 100 kHz 55 ms ● VBW 300 kHz Mode Sweep M1[1] | 11.33 dBm 2.440280 dBr -46.62 dBr |
| Spectrum Ref Level 20.00 dBm Offset 2 Att 10 dB SWT 10 dBm 0 dBm 0 -10 dBm 0 -0 -0 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Mathematical Spectrum Offset 23.0 Att 10 db SWT 25 IPk View Mi 10 SWT 25 IPk View Mi 10 db SWT 25 ID db -10 db -10 db -10 db -10 -10 -20 db -14,770 db -14,770 db -10 -14,770 db -10 | 11 db e PBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] | 11.33 dBm 2.440280 dBr -46.62 dBr |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB Swr 10 dBm 0 -10 dBm 01 -14.770 dBm -30 dBm 0 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Mit Offset 23.1 • Att 10 dB SWT 25 • IPk View 0 0 0 0 0 • ID dBm 0 | 11 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] | . 11.33 dBn 2.440280 GH -46.62 dBn 15.672640 GH |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 0 0 0 10 dBm 0 0 0 0 0 0 -10 dBm 0 0 -10.4.770 dBm 0 0 0 0 0 -10.4.770 dBm 0 -0.0 dBm | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Rof Level 20.00 dBm Offset 23.1 10 dB SWT 25 10 km 0 MT 10 dBm 0 0 -10 dBm 01 -14.770 dBm - -20 dBm - - -40 dBm - - | 11 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] | . 11.30 dBm 2.440280 GH -46.62 dBm 15.672640 GH |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 0 0 0 11Pk View 0 dBm 0 </td <td>13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep</td> <td>-53.79 dBm</td> <td>Spectrum Rof Level 20.00 dBm Offset 23.1 10 dB SWT 25 10 km 0 MT 10 dBm 0 0 -10 dBm 01 -14.770 dBm - -20 dBm - - -40 dBm - -</td> <td>11 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2 M2 M2 M2</td> <td>. 11.33 dBn 2.440280 GH 4.662 dBn 15.672640 GH 15.672640 GH</td> | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Rof Level 20.00 dBm Offset 23.1 10 dB SWT 25 10 km 0 MT 10 dBm 0 0 -10 dBm 01 -14.770 dBm - -20 dBm - - -40 dBm - - | 11 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2 M2 M2 M2 | . 11.33 dBn 2.440280 GH 4.662 dBn 15.672640 GH 15.672640 GH |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 0 3 3 1Pk View 0 dBm 0 0 4 0 0 10 dBm 0 0 1 -10 | 13.11 dB @ RBW 100 kHz 30.1 ms @ VBW 300 kHz Mode Sweep | -53.79 dBm | Spectrum Rof Level 20.00 dBm Offset 23.1 10 dB SWT 25 10 km 0 MT 10 dBm 0 0 -10 dBm 01 -14.770 dBm - -20 dBm - - -40 dBm - - | 11 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2 M2 M2 M2 | 11.33 dbm 2.440280 GH; - 46.62 dbm 15.672640 GH; |
| Spectrum Ref Level 20.00 dBm Offset 2 10 dB SWT 10 dB SWT 10 dBm 0 dBm 0 0 -20 dBm 0 | 23.11 db @ RBW 100 kHz 30.1 ms @ VBW 300 kHz M1[1] M1[1 | -53.79 dBm 659,4200 MHz | Note Note <th< td=""><td>11 db e PBW 100 HH: 55 ms VBW 300 HH: Mode Sweep M1[1] M2[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2</td><td>11.33 dBm 2.440200 dH - 46.62 dBm 15.672640 GH - 15.672640 GH </td></th<> | 11 db e PBW 100 HH: 55 ms VBW 300 HH: Mode Sweep M1[1] M2[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 | 11.33 dBm 2.440200 dH - 46.62 dBm 15.672640 GH - 15.672640 GH |
| Spectrum Ref Level 20.00 d8m Offset 2 htt 10 d8 0 d8m 0 -10 d8m 0 -20 d8m 0 -30 d8m 0 -50 d8m 0 | 23.11 db @ RBW 100 kHz 30.1 ms @ VBW 200 kHz Mode Sweep M1[1] | -53.79 dBm | Spectrum Rof Lovel 20.00 dBm Offset 23.1 1 Main 2000 dBm SWT 25 1 Fk View 10 8 WT 25 1 D dBm 10 0 0 10 10 dBm 0 10 10 10 10 -10 dBm 0 -10.4.770 dBm -10.0 dBm -10 | 11 db e RBW 100 kHz 55 ms e VBW 300 kHz Mode Sweep M1[1] M2[1] M2[1] M2 M2 M2 M2 | 11.33 dbm 2.440280 GH; - 46.62 dbm 15.672640 GH; |



802.11g

