



## **REGULATORY COMPLIANCE TEST REPORT**

**FCC CFR 47 Part 15 Subpart E 15.407  
ISED RSS-247 Issue 2**

**Report No.: HPEN155-U9 Rev A (UNII)**

**Addendum: FCC Power Density**

**Company:** Hewlett Packard Enterprise Company

**Model Name:** ASIN0304, ASIN0303

## REGULATORY COMPLIANCE TEST REPORT

**Company Name:** Hewlett Packard Enterprise Company

**Model Name:** ASIN0304, ASIN0303

**To:** FCC CFR 47 Part 15 Subpart E 15.407

**Test Report Serial No.:** HPEN155-U9 Rev A (UNII)

**Addendum:** FCC Power Density

This report supersedes: NONE

Applicant: Hewlett Packard Enterprise Company  
3333 Scott Blvd  
Santa Clara, California 95054  
USA

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**This Test Report is Issued Under the Authority of:**

**MiCOM Labs, Inc.**  
575 Boulder Court  
Pleasanton California 94566  
USA  
Phone: +1 (925) 462-0304  
Fax: +1 (925) 462-0306  
[www.micomlabs.com](http://www.micomlabs.com)



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## 1. TEST RESULTS

### 1.1. Power Spectral Density

| Conducted Test Conditions for Power Spectral Density |                          |                            |             |
|------------------------------------------------------|--------------------------|----------------------------|-------------|
| <b>Standard:</b>                                     | FCC CFR 47:15.407        | <b>Ambient Temp. (°C):</b> | 24.0 - 27.5 |
| <b>Test Heading:</b>                                 | Power Spectral Density   | <b>Rel. Humidity (%):</b>  | 32 - 45     |
| <b>Standard Section(s):</b>                          | 15.407 (a)               | <b>Pressure (mBars):</b>   | 999 - 1001  |
| <b>Reference Document(s):</b>                        | See Normative References |                            |             |

#### Test Procedure for Power Spectral Density

The in-band power spectral density was measured using the test technique specified in KDB 789033. A 1 MHz measurement bandwidth was implemented for the analyzer sweep. Once the sweep is complete the analyzer trace data is downloaded and used for post processing purposes.

Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured separately. The Peak Power Spectral Density is the highest level found across the emission bandwidth. With multiple antenna port measurements the numerical analyzer data from each port is summed (â) and a link to this additional graphic is provided.

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.

Measure and sum the spectra across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The individual spectra are then summed mathematically in linear power units. Unlike in-band power measurements, in which the sum involves a single measured value (output power) from each output, measurements for compliance with PSD limits involve summing entire spectra across corresponding frequency bins on the various outputs. Consistency is maintained for any device with multiple transmitter outputs to be certain the individual outputs are all aligned with the same span and same number of points. In this instance, the linear power spectrum value within the first spectral bin of output 0 is summed with that in the first spectral bin of output 1, and the first spectral bin of output 2, and so on up to the Nth output to obtain the true value for the first frequency bin of the summed spectrum. The summed spectrum value for each frequency bin is computed in this fashion. These summed spectral values were post processed and the resulting numerical and graphical data presented.

NOTE: It may be observed that spectrum in some plots break the limit line however this in itself does NOT constitute a failure. In all cases a spectrum summation plot is provided in order to prove compliance. A failure occurs only after the summation of all spectrum plots have been summed and are found to be greater than the limit line.

#### Supporting Information

Calculated Power =  $A + 10 \log (1/x)$  dBm

A = Total Power Spectral Density [ $10^a/10 + 10^b/10 + 10^c/10 + 10^d/10$ ]

x = Duty Cycle

#### Limits Power Spectral Density

##### Operating Frequency Band 5150-5250 MHz

##### 15.407 (a)(1)

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the

frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **Operating Frequency Band 5250-5350 and 5470 – 5725 MHz**

##### **15. 407 (a)(2)**

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **Operating Frequency Band 5725 – 5850 MHz**

##### **15. 407 (a)(3)**

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

#### 9.4.1 FCC Power Density Measurements

| Equipment Configuration for Power Spectral Density |                |                                   |                |
|----------------------------------------------------|----------------|-----------------------------------|----------------|
| <b>Variant:</b>                                    | 802.11a        | <b>Duty Cycle (%):</b>            | 99.0           |
| <b>Data Rate:</b>                                  | 6.00 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30           |
| <b>Modulation:</b>                                 | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | Not Applicable |
| <b>TPC:</b>                                        | Not Applicable | <b>Tested By:</b>                 | SB             |
| <b>Engineering Test Notes:</b>                     |                |                                   |                |

| Test Measurement Results |                                 |                       |    |    |                                         |         |        |
|--------------------------|---------------------------------|-----------------------|----|----|-----------------------------------------|---------|--------|
| Test Frequency           | Measured Power Spectral Density |                       |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|                          | Port(s) (dBm/MHz)               |                       |    |    |                                         |         |        |
| MHz                      | a                               | b                     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5180.0                   | <a href="#">5.585</a>           | <a href="#">7.012</a> | -- | -- | <a href="#">9.372</a>                   | 17.0    | -7.6   |
| 5200.0                   | <a href="#">5.896</a>           | <a href="#">7.523</a> | -- | -- | <a href="#">9.749</a>                   | 17.0    | -7.3   |
| 5240.0                   | <a href="#">5.900</a>           | <a href="#">7.734</a> | -- | -- | <a href="#">9.843</a>                   | 17.0    | -6.9   |

| Traceability to Industry Recognized Test Methodologies |                                  |
|--------------------------------------------------------|----------------------------------|
| Work Instruction:                                      | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty:                               | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ac-80    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz            | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5210.0         | -1.201                          | 0.166 | -- | -- | 2.532                                   | 15.7    | -13.2  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-20    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5180.0         | <a href="#">5.257</a>           | <a href="#">6.791</a> | --- | --- | <a href="#">9.117</a>                   | 15.7    | -6.6   |
| 5200.0         | <a href="#">5.447</a>           | <a href="#">7.053</a> | --- | --- | <a href="#">9.317</a>                   | 15.7    | -6.4   |
| 5240.0         | <a href="#">5.879</a>           | <a href="#">7.326</a> | --- | --- | <a href="#">9.686</a>                   | 15.7    | -6.0   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-40    | <b>Duty Cycle (%):</b>            | 97.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.13 dB) | Limit   | Margin |
|----------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz            | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5190.0         | 2.675                           | 4.314 | -- | -- | 6.675                                   | 15.7    | -9.0   |
| 5230.0         | 3.078                           | 4.320 | -- | -- | 6.748                                   | 15.7    | -9.0   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-80    | <b>Duty Cycle (%):</b>            | 96.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |     |     | EIRP Summation<br>Peak Marker +<br>DCCF (+0.18<br>dB) | Limit   | Margin |
|----------------|---------------------------------|-------|-----|-----|-------------------------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |     |     |                                                       |         |        |
| MHz            | a                               | b     | c   | d   | dBm/MHz                                               | dBm/MHz | dB     |
| 5210.0         | -0.646                          | 0.603 | --- | --- | 3.201                                                 | 15.7    | -12.5  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-20  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5180.0         | <a href="#">5.125</a>           | <a href="#">6.745</a> | --- | --- | <a href="#">9.047</a>                   | 15.7    | -6.7   |
| 5200.0         | <a href="#">5.299</a>           | <a href="#">6.513</a> | --- | --- | <a href="#">8.957</a>                   | 15.7    | -6.8   |
| 5240.0         | <a href="#">5.778</a>           | <a href="#">7.468</a> | --- | --- | <a href="#">9.709</a>                   | 15.7    | -6.0   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-40  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz            | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5190.0         | 2.225                           | 3.853 | -- | -- | 6.169                                   | 15.7    | -9.5   |
| 5230.0         | 3.036                           | 4.282 | -- | -- | 6.684                                   | 15.7    | -9.0   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |                |
|--------------------------------|----------------|-----------------------------------|----------------|
| <b>Variant:</b>                | 802.11a        | <b>Duty Cycle (%):</b>            | 99.0           |
| <b>Data Rate:</b>              | 6.00 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30           |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | Not Applicable |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB             |
| <b>Engineering Test Notes:</b> |                |                                   |                |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5260.0         | <a href="#">5.898</a>           | <a href="#">7.321</a> | --- | --- | <a href="#">9.665</a>                   | 11.0    | -1.3   |
| 5300.0         | <a href="#">6.376</a>           | <a href="#">7.815</a> | --- | --- | <a href="#">10.167</a>                  | 11.0    | -0.8   |
| 5320.0         | <a href="#">6.408</a>           | <a href="#">7.636</a> | --- | --- | <a href="#">10.066</a>                  | 11.0    | -0.9   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ac-80    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> |      |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

| Test Measurement Results |                                 |       |    |    |                                         |         |        |
|--------------------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
| Test Frequency           | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|                          | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz                      | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5290.0                   | -1.015                          | 0.419 | -- | -- | 2.745                                   | 9.7     | -7.0   |

| Traceability to Industry Recognized Test Methodologies |                                  |
|--------------------------------------------------------|----------------------------------|
| Work Instruction:                                      | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty:                               | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-20    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5260.0         | <a href="#">5.548</a>           | <a href="#">7.059</a> | --- | --- | <a href="#">9.344</a>                   | 9.7     | -0.4   |
| 5300.0         | <a href="#">6.056</a>           | <a href="#">7.125</a> | --- | --- | <a href="#">9.587</a>                   | 9.7     | -0.1   |
| 5320.0         | <a href="#">6.005</a>           | <a href="#">7.388</a> | --- | --- | <a href="#">9.662</a>                   | 9.7     | -0.0   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-40    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz            | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5270.0         | 2.851                           | 4.136 | -- | -- | 6.580                                   | 9.7     | -3.1   |
| 5310.0         | 3.433                           | 4.442 | -- | -- | 6.967                                   | 9.7     | -2.7   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-80    | <b>Duty Cycle (%):</b>            | 96.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> |      |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.18 dB) | Limit   | Margin |
|----------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz            | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5290.0         | -0.417                          | 1.031 | -- | -- | 3.496                                   | 9.7     | -6.2   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-20  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5260.0         | <a href="#">5.315</a>           | <a href="#">6.464</a> | --- | --- | <a href="#">8.917</a>                   | 9.7     | -0.8   |
| 5300.0         | <a href="#">6.014</a>           | <a href="#">6.699</a> | --- | --- | <a href="#">9.386</a>                   | 9.7     | -0.3   |
| 5320.0         | <a href="#">5.937</a>           | <a href="#">7.169</a> | --- | --- | <a href="#">9.619</a>                   | 9.7     | -0.1   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-40  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-------|----|----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |       |    |    |                                         |         |        |
| MHz            | a                               | b     | c  | d  | dBm/MHz                                 | dBm/MHz | dB     |
| 5270.0         | 2.776                           | 3.462 | -- | -- | 6.173                                   | 9.7     | -3.5   |
| 5310.0         | 3.355                           | 4.262 | -- | -- | 6.840                                   | 9.7     | -2.9   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |                |
|--------------------------------|----------------|-----------------------------------|----------------|
| <b>Variant:</b>                | 802.11a        | <b>Duty Cycle (%):</b>            | 99.0           |
| <b>Data Rate:</b>              | 6.00 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30           |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | Not Applicable |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB             |
| <b>Engineering Test Notes:</b> |                |                                   |                |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5500.0         | <a href="#">6.198</a>           | <a href="#">6.994</a> | --- | --- | <a href="#">9.653</a>                   | 11.0    | -1.4   |
| 5580.0         | <a href="#">6.681</a>           | <a href="#">7.582</a> | --- | --- | <a href="#">10.157</a>                  | 11.0    | -0.9   |
| 5720.0         | <a href="#">6.776</a>           | <a href="#">6.188</a> | --- | --- | <a href="#">9.492</a>                   | 11.0    | -1.5   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ac-80    | <b>Duty Cycle (%):</b>            | 96.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                        |     |     | Summation Peak Marker + DCCF (+0.18 dB) | Limit   | Margin |
|----------------|---------------------------------|------------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                        |     |     |                                         |         |        |
| MHz            | a                               | b                      | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5530.0         | <a href="#">-0.225</a>          | <a href="#">0.441</a>  | --- | --- | <a href="#">3.167</a>                   | 9.7     | -6.5   |
| 5610.0         | <a href="#">-0.054</a>          | <a href="#">0.363</a>  | --- | --- | <a href="#">3.275</a>                   | 9.7     | -6.4   |
| 5690.0         | <a href="#">0.051</a>           | <a href="#">-0.026</a> | --- | --- | <a href="#">3.158</a>                   | 9.7     | -6.6   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-20    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5500.0         | <a href="#">6.113</a>           | <a href="#">6.715</a> | --- | --- | <a href="#">9.429</a>                   | 9.7     | -0.3   |
| 5580.0         | <a href="#">5.419</a>           | <a href="#">6.505</a> | --- | --- | <a href="#">9.009</a>                   | 9.7     | -0.7   |
| 5720.0         | <a href="#">6.388</a>           | <a href="#">6.428</a> | --- | --- | <a href="#">9.381</a>                   | 9.7     | -0.3   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-40    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5510.0         | <a href="#">3.572</a>           | <a href="#">3.905</a> | --- | --- | <a href="#">6.738</a>                   | 9.7     | -3.0   |
| 5550.0         | <a href="#">4.649</a>           | <a href="#">4.658</a> | --- | --- | <a href="#">7.561</a>                   | 9.7     | -2.1   |
| 5710.0         | <a href="#">4.350</a>           | <a href="#">3.857</a> | --- | --- | <a href="#">7.112</a>                   | 9.7     | -2.6   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-80    | <b>Duty Cycle (%):</b>            | 96.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | SB   |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.18 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5530.0         | <a href="#">0.350</a>           | <a href="#">1.256</a> | --- | --- | <a href="#">3.925</a>                   | 9.7     | -5.8   |
| 5610.0         | <a href="#">0.833</a>           | <a href="#">1.224</a> | --- | --- | <a href="#">4.098</a>                   | 9.7     | -5.6   |
| 5690.0         | <a href="#">0.742</a>           | <a href="#">1.027</a> | --- | --- | <a href="#">4.061</a>                   | 9.7     | -5.6   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-20  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5500.0         | <a href="#">6.237</a>           | <a href="#">6.866</a> | --- | --- | <a href="#">9.583</a>                   | 9.7     | -0.1   |
| 5580.0         | <a href="#">6.373</a>           | <a href="#">6.650</a> | --- | --- | <a href="#">9.473</a>                   | 9.7     | -0.2   |
| 5720.0         | <a href="#">6.254</a>           | <a href="#">5.813</a> | --- | --- | <a href="#">9.035</a>                   | 9.7     | -0.7   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-40  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit   | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|---------|--------|
|                | Port(s) (dBm/MHz)               |                       |     |     |                                         |         |        |
| MHz            | a                               | b                     | c   | d   | dBm/MHz                                 | dBm/MHz | dB     |
| 5510.0         | <a href="#">3.440</a>           | <a href="#">3.604</a> | --- | --- | <a href="#">6.484</a>                   | 9.7     | -3.2   |
| 5550.0         | <a href="#">4.414</a>           | <a href="#">4.176</a> | --- | --- | <a href="#">7.225</a>                   | 9.7     | -2.5   |
| 5710.0         | <a href="#">4.045</a>           | <a href="#">3.075</a> | --- | --- | <a href="#">6.566</a>                   | 9.7     | -3.1   |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |                |
|--------------------------------|----------------|-----------------------------------|----------------|
| <b>Variant:</b>                | 802.11a        | <b>Duty Cycle (%):</b>            | 99.0           |
| <b>Data Rate:</b>              | 6.00 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30           |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | Not Applicable |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH            |
| <b>Engineering Test Notes:</b> |                |                                   |                |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |                       |     |     |                                         |             |        |
| MHz            | a                               | b                     | c   | d   | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5745.0         | <a href="#">3.692</a>           | <a href="#">3.776</a> | --- | --- | <a href="#">6.720</a>                   | 30.0        | -23.3  |
| 5785.0         | <a href="#">3.218</a>           | <a href="#">3.979</a> | --- | --- | <a href="#">6.577</a>                   | 30.0        | -23.4  |
| 5825.0         | <a href="#">3.932</a>           | <a href="#">4.368</a> | --- | --- | <a href="#">7.210</a>                   | 30.0        | -22.8  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ac-80    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |        |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|--------|----|----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |        |    |    |                                         |             |        |
| MHz            | a                               | b      | c  | d  | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5775.0         | -3.405                          | -2.986 | -- | -- | 2.655                                   | 28.7        | -26.1  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-20    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |                       |     |     |                                         |             |        |
| MHz            | a                               | b                     | c   | d   | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5745.0         | <a href="#">3.523</a>           | <a href="#">3.297</a> | --- | --- | <a href="#">6.396</a>                   | 28.7        | -22.3  |
| 5785.0         | <a href="#">3.109</a>           | <a href="#">3.354</a> | --- | --- | <a href="#">6.216</a>                   | 28.7        | -22.5  |
| 5825.0         | <a href="#">3.848</a>           | <a href="#">3.887</a> | --- | --- | <a href="#">6.836</a>                   | 28.7        | -21.9  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-40    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|-------|-----|-----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |       |     |     |                                         |             |        |
| MHz            | a                               | b     | c   | d   | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5755.0         | 0.387                           | 1.118 | --- | --- | 3.680                                   | 28.7        | -25.0  |
| 5795.0         | 0.466                           | 0.465 | --- | --- | 3.352                                   | 28.7        | -25.4  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11ax-80    | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 29.30 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |        |    |    | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|--------|----|----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |        |    |    |                                         |             |        |
| MHz            | a                               | b      | c  | d  | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5775.0         | -2.445                          | -2.248 | -- | -- | 3.532                                   | 28.7        | -25.2  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-20  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 6.50 MBit/s    | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |                       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|-----------------------|-----|-----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |                       |     |     |                                         |             |        |
| MHz            | a                               | b                     | c   | d   | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5745.0         | <a href="#">3.462</a>           | <a href="#">3.458</a> | --- | --- | <a href="#">6.514</a>                   | 28.7        | -22.2  |
| 5785.0         | <a href="#">2.957</a>           | <a href="#">3.645</a> | --- | --- | <a href="#">6.364</a>                   | 28.7        | -22.3  |
| 5825.0         | <a href="#">3.859</a>           | <a href="#">3.642</a> | --- | --- | <a href="#">6.769</a>                   | 28.7        | -21.9  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

#### Equipment Configuration for Power Spectral Density

|                                |                |                                   |      |
|--------------------------------|----------------|-----------------------------------|------|
| <b>Variant:</b>                | 802.11n HT-40  | <b>Duty Cycle (%):</b>            | 99.0 |
| <b>Data Rate:</b>              | 13.50 MBit/s   | <b>Antenna Gain (dBi):</b>        | 4.30 |
| <b>Modulation:</b>             | OFDM           | <b>Beam Forming Gain (Y)(dB):</b> | 3.00 |
| <b>TPC:</b>                    | Not Applicable | <b>Tested By:</b>                 | GMH  |
| <b>Engineering Test Notes:</b> |                |                                   |      |

#### Test Measurement Results

| Test Frequency | Measured Power Spectral Density |       |     |     | Summation Peak Marker + DCCF (+0.04 dB) | Limit       | Margin |
|----------------|---------------------------------|-------|-----|-----|-----------------------------------------|-------------|--------|
|                | Port(s) (dBm/500 KHz)           |       |     |     |                                         |             |        |
| MHz            | a                               | b     | c   | d   | dBm/500 KHz                             | dBm/500 KHz | dB     |
| 5755.0         | 0.309                           | 0.364 | --- | --- | 3.353                                   | 28.7        | -25.4  |
| 5795.0         | 0.334                           | 0.326 | --- | --- | 3.300                                   | 28.7        | -25.4  |

#### Traceability to Industry Recognized Test Methodologies

|                          |                                  |
|--------------------------|----------------------------------|
| Work Instruction:        | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB                         |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

## **A. APPENDIX - GRAPHICAL IMAGES**

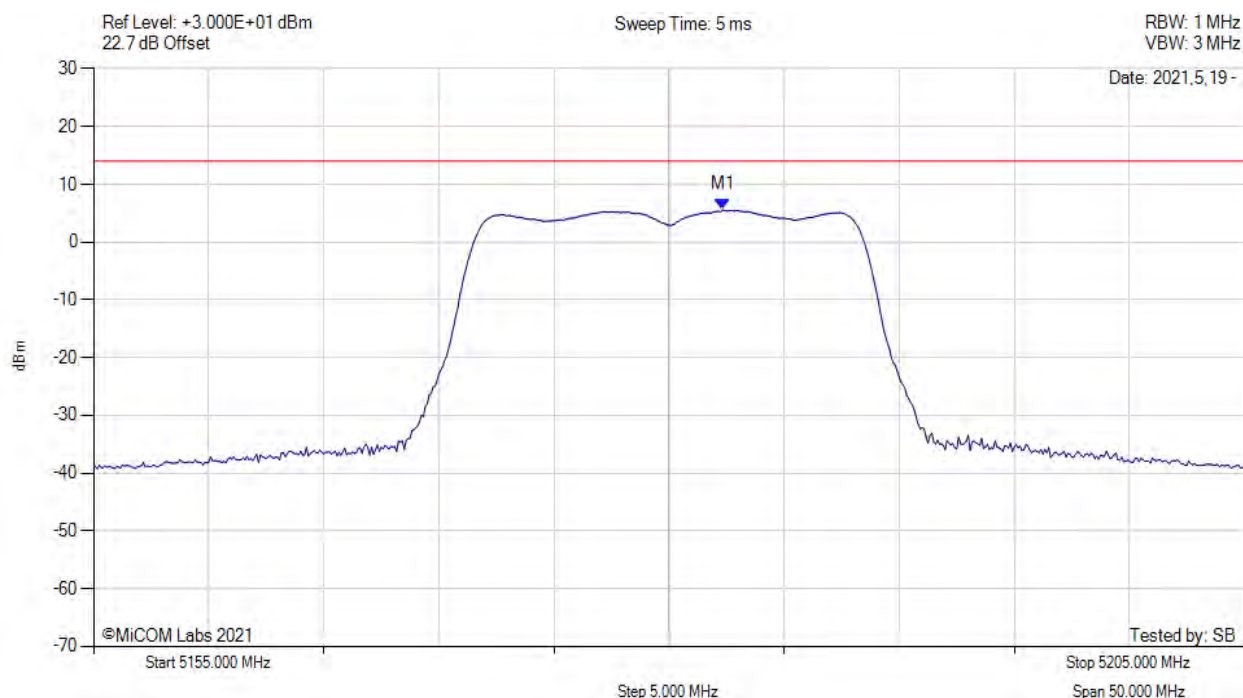
## A.1. Power Spectral Density

### A.4.1 FCC Power Density Measurement Results



#### POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



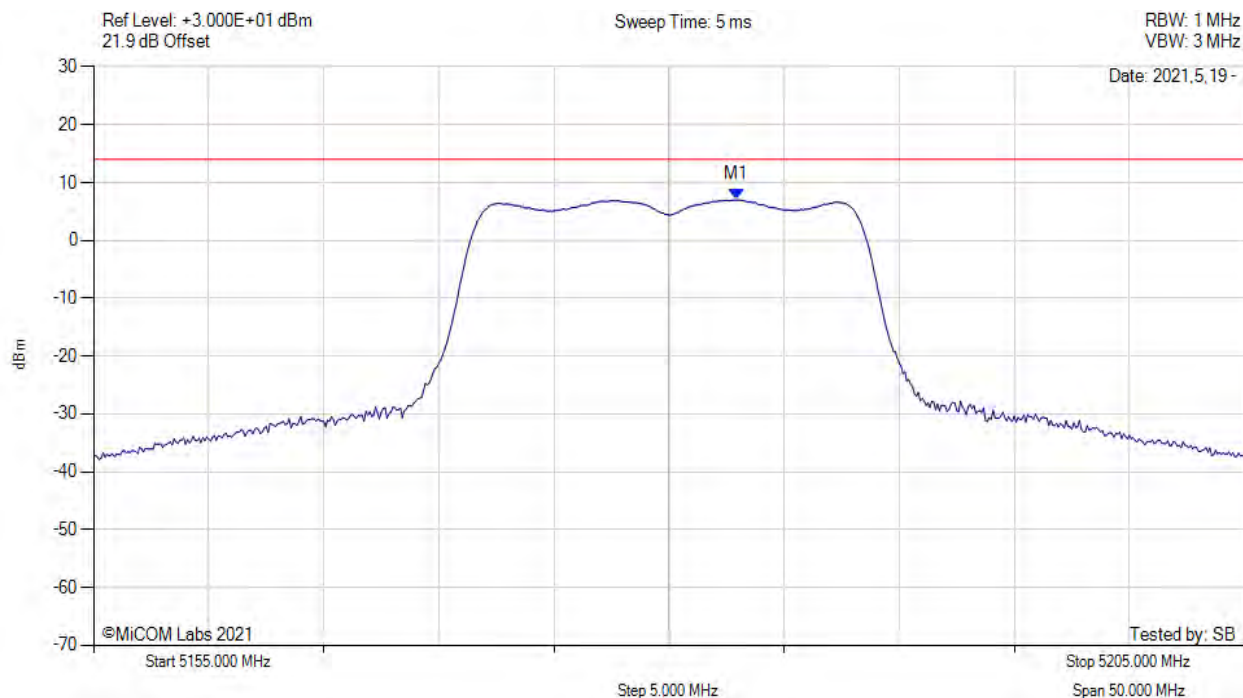
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.330 MHz : 5.585 dBm | Limit: ≤ 13.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5180.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



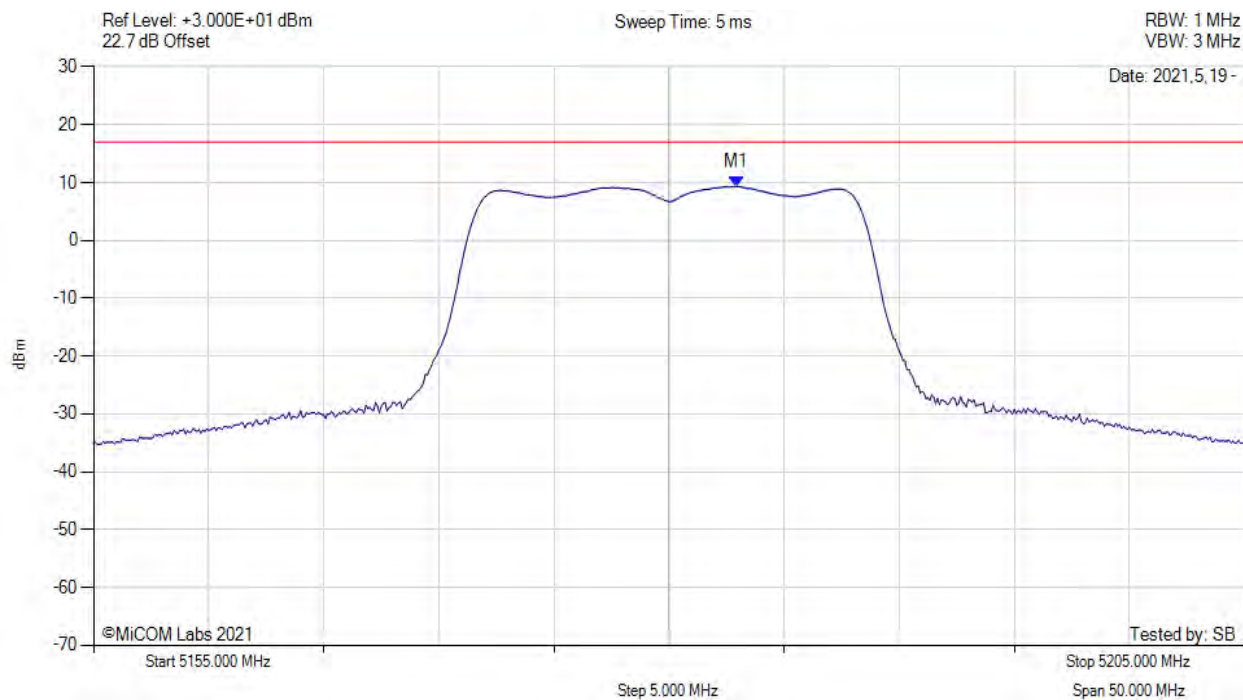
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.920 MHz : 7.012 dBm | Limit: ≤ 13.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5180.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



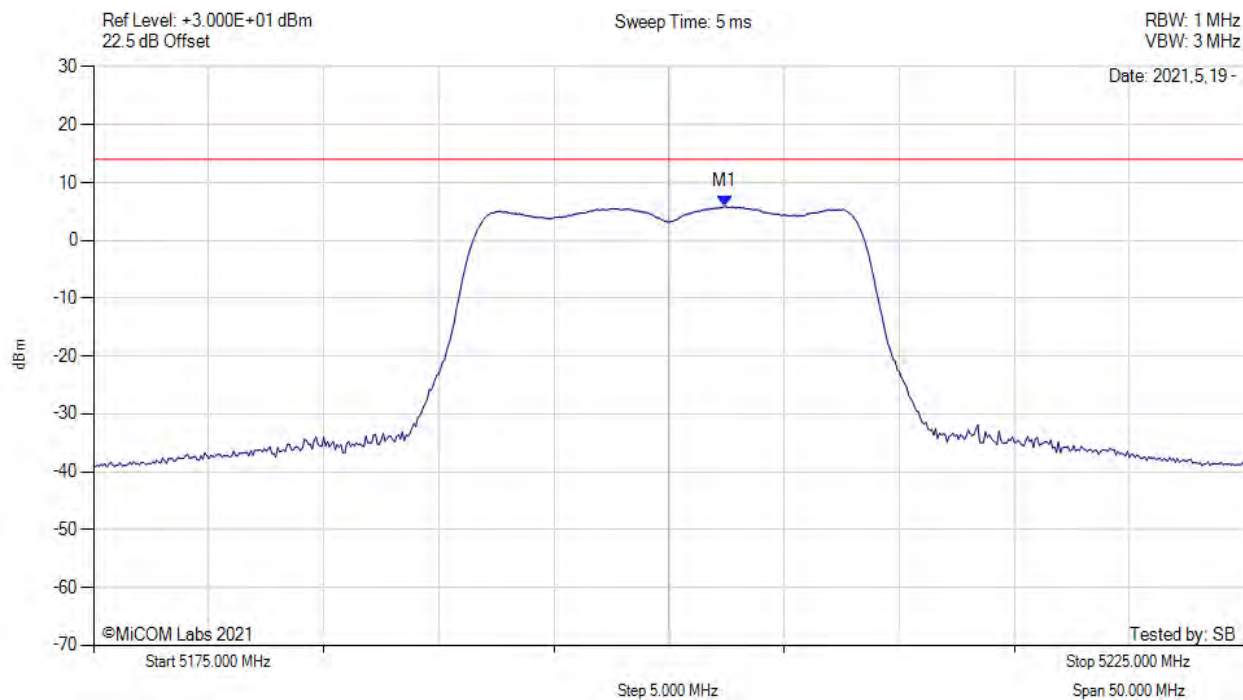
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.900 MHz : 9.328 dBm<br>M1 + DCCF : 5182.900 MHz : 9.372 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 17.0$ dBm<br>Margin: -7.6 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



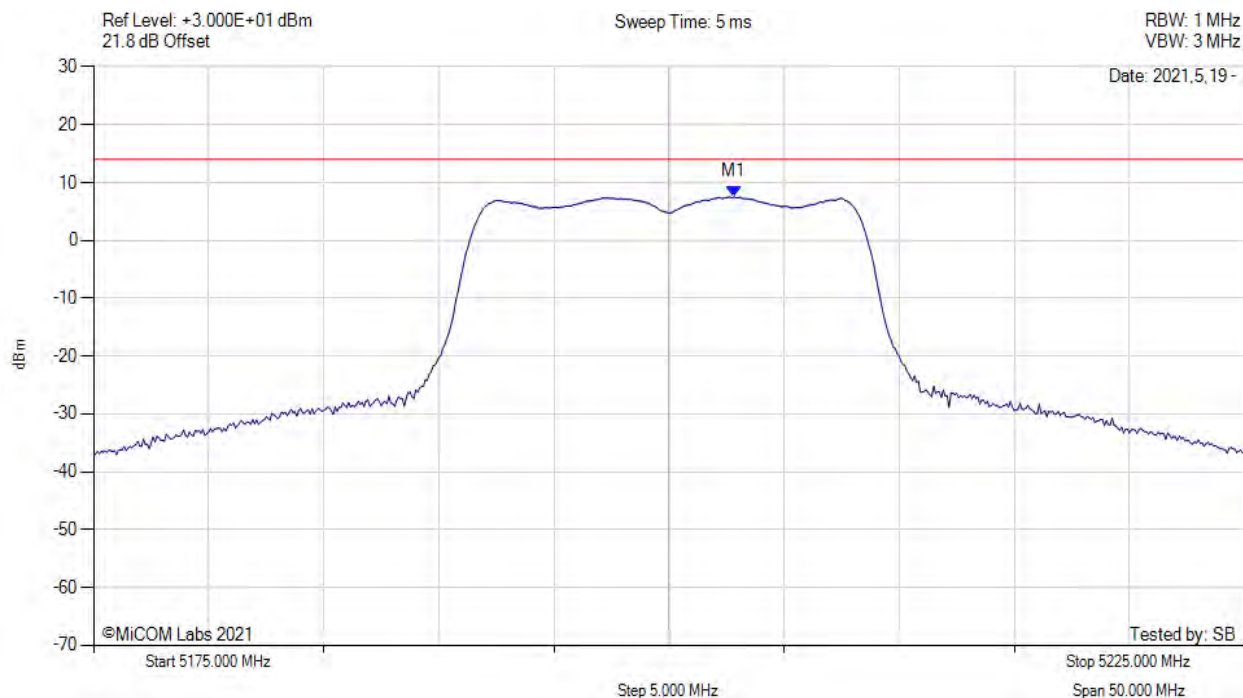
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.420 MHz : 5.896 dBm | Limit: ≤ 13.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



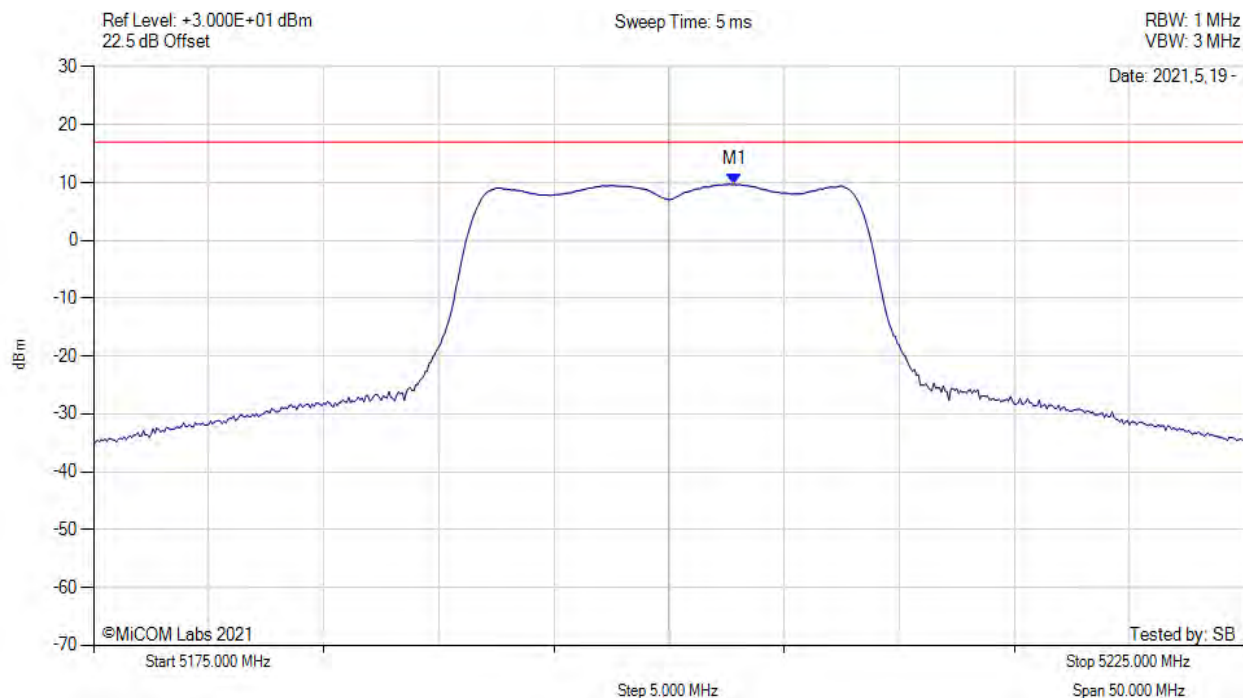
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.830 MHz : 7.523 dBm | Channel Frequency: 5200.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



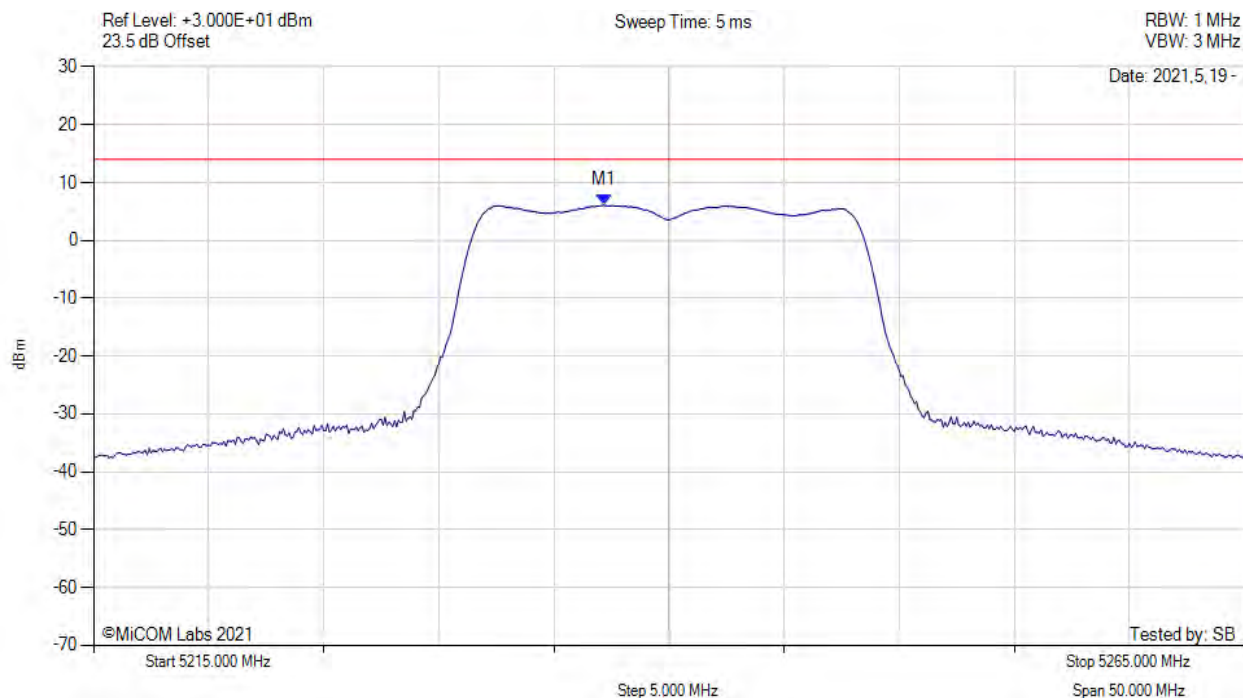
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.800 MHz : 9.705 dBm<br>M1 + DCCF : 5202.800 MHz : 9.749 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 17.0$ dBm<br>Margin: -7.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



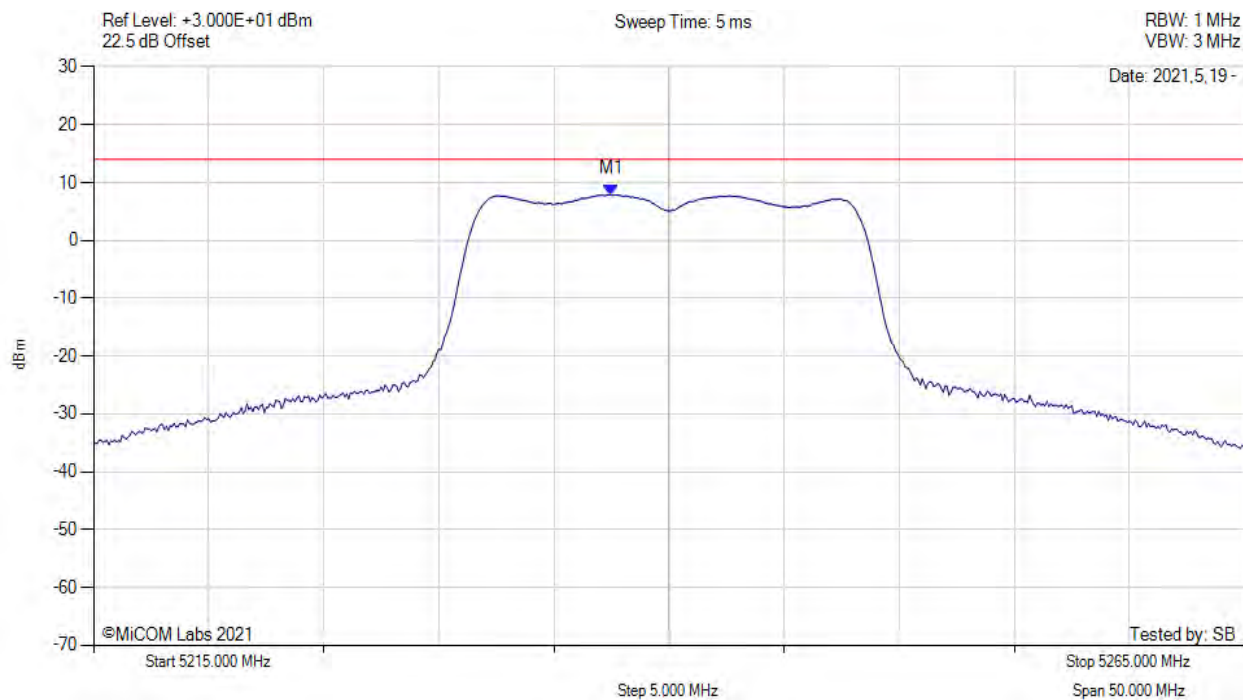
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5237.170 MHz : 5.900 dBm | Limit: ≤ 13.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



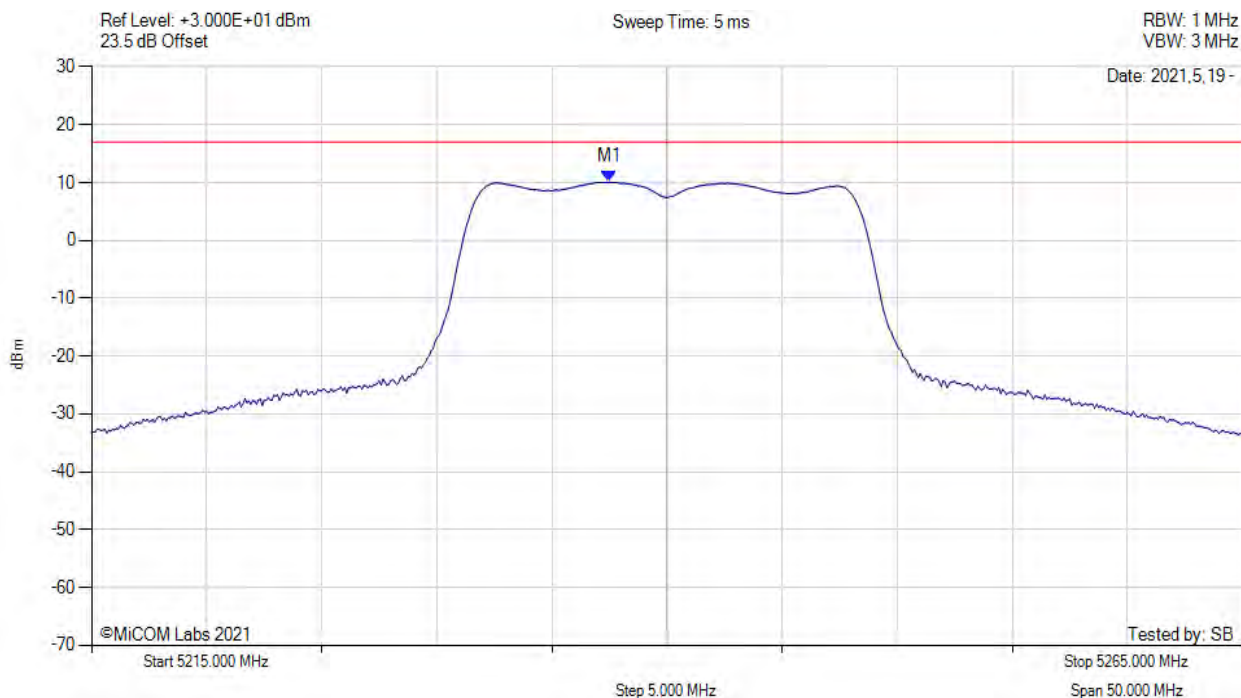
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5237.500 MHz : 7.734 dBm | Limit: ≤ 13.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5240.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



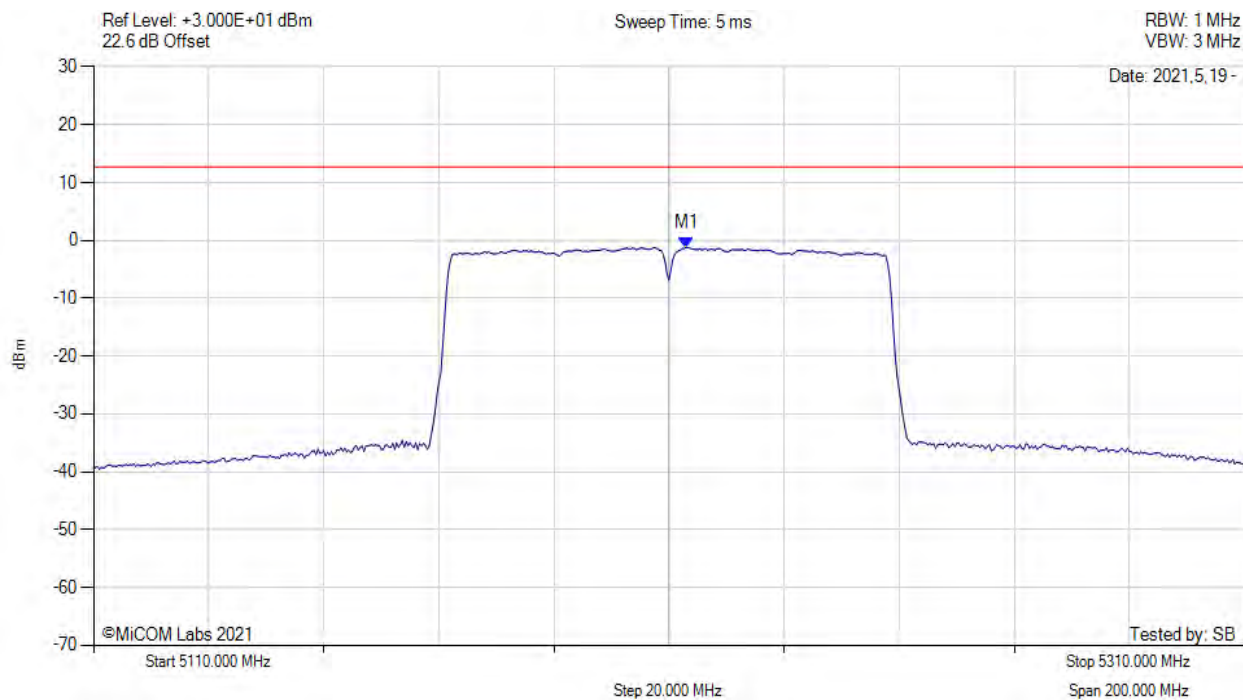
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5237.500 MHz : 9.803 dBm<br>M1 + DCCF : 5237.500 MHz : 9.843 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 17.0$ dBm<br>Margin: -6.9 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



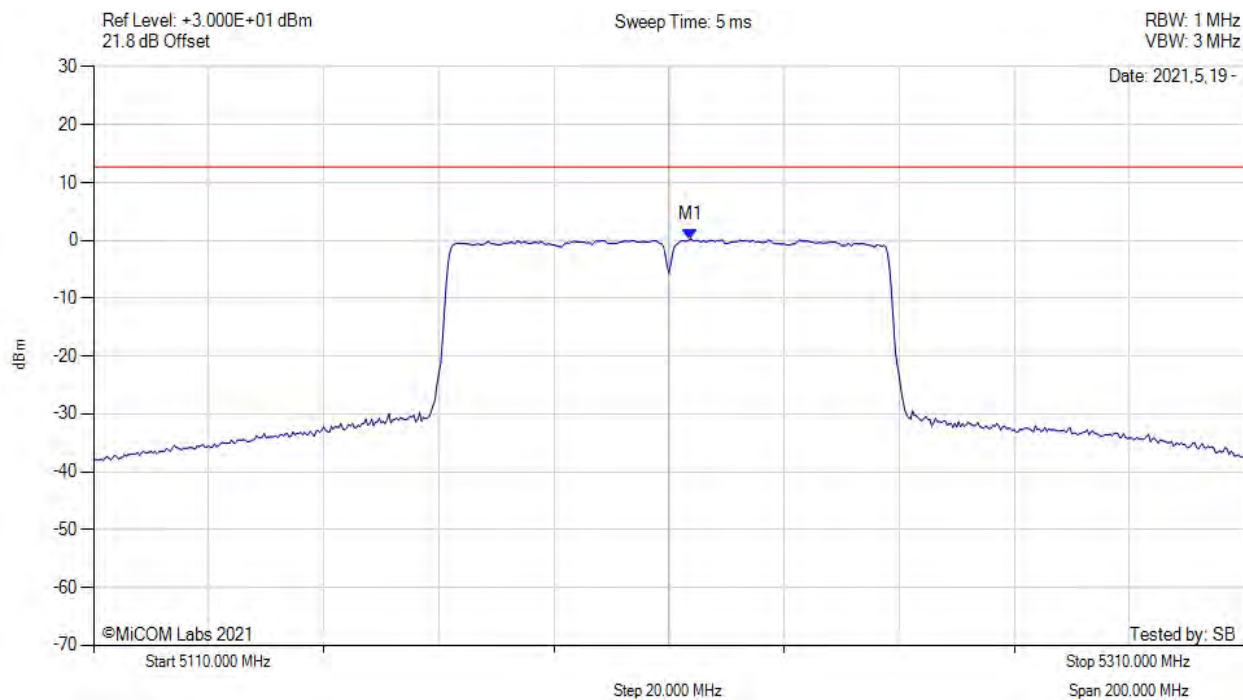
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results        |
|----------------------------------------------------------------------------------|--------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5213.000 MHz : -1.201 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



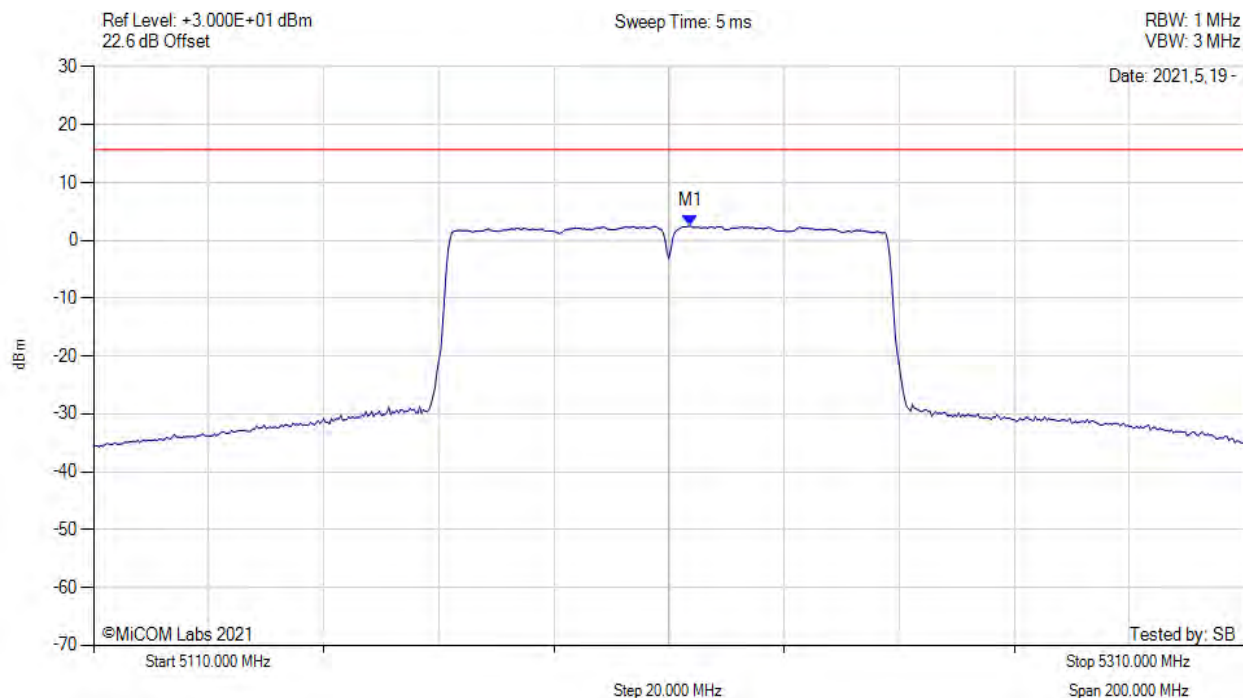
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5213.700 MHz : 0.166 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5210.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



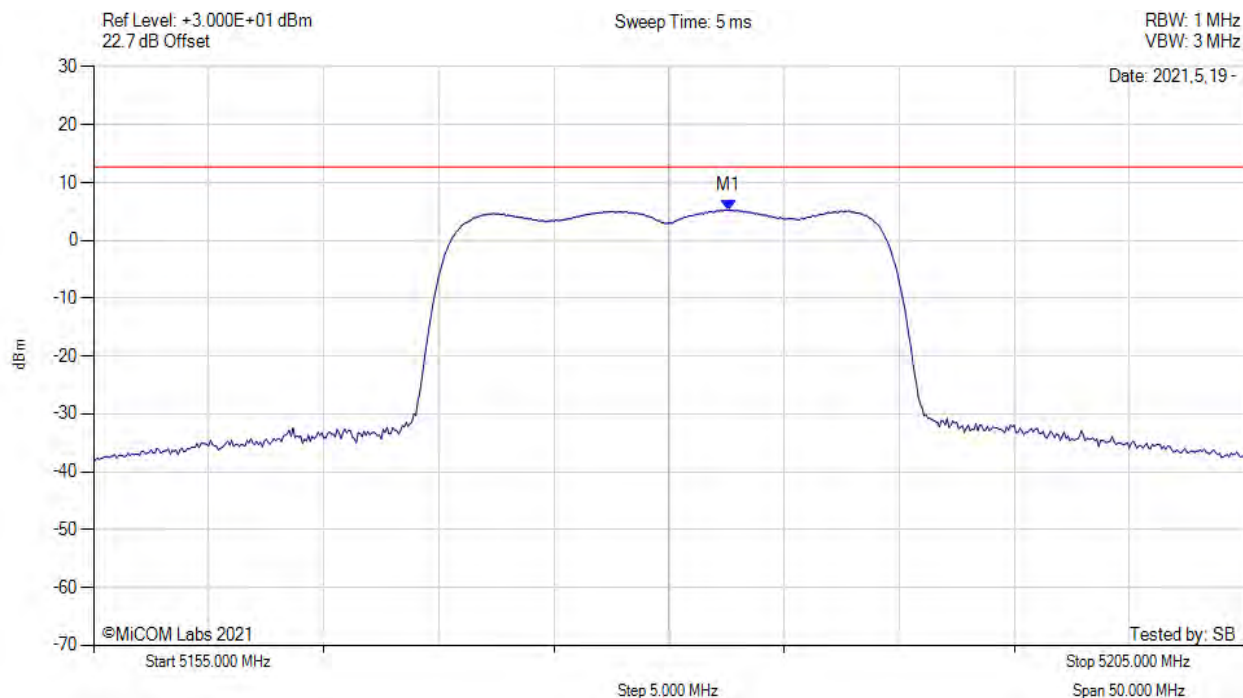
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5213.700 MHz : 2.488 dBm<br>M1 + DCCF : 5213.700 MHz : 2.532 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 15.7$ dBm<br>Margin: -13.2 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5180.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



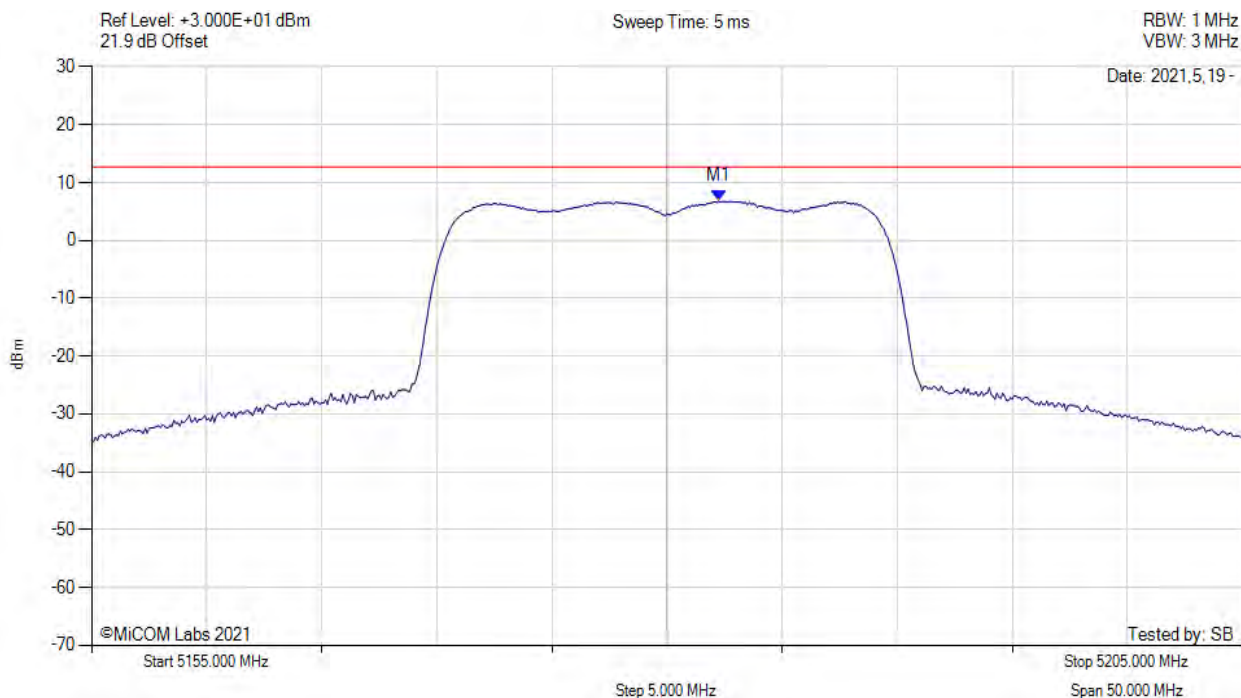
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.580 MHz : 5.257 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5180.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



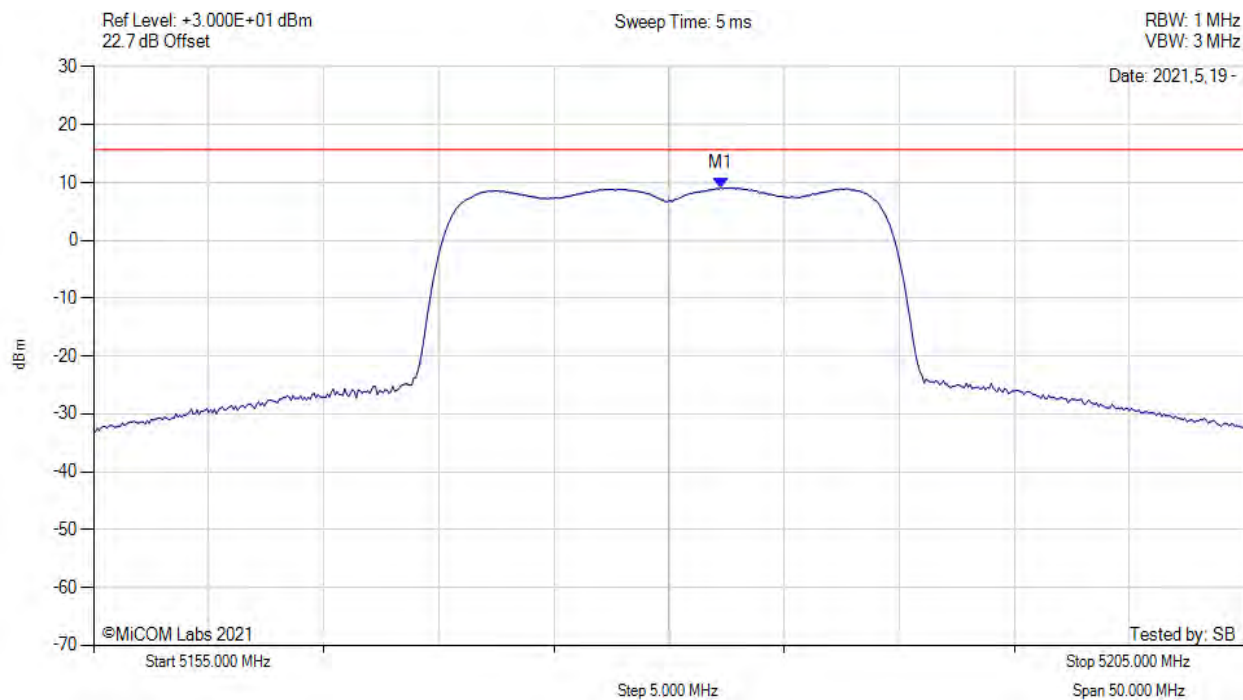
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.250 MHz : 6.791 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5180.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



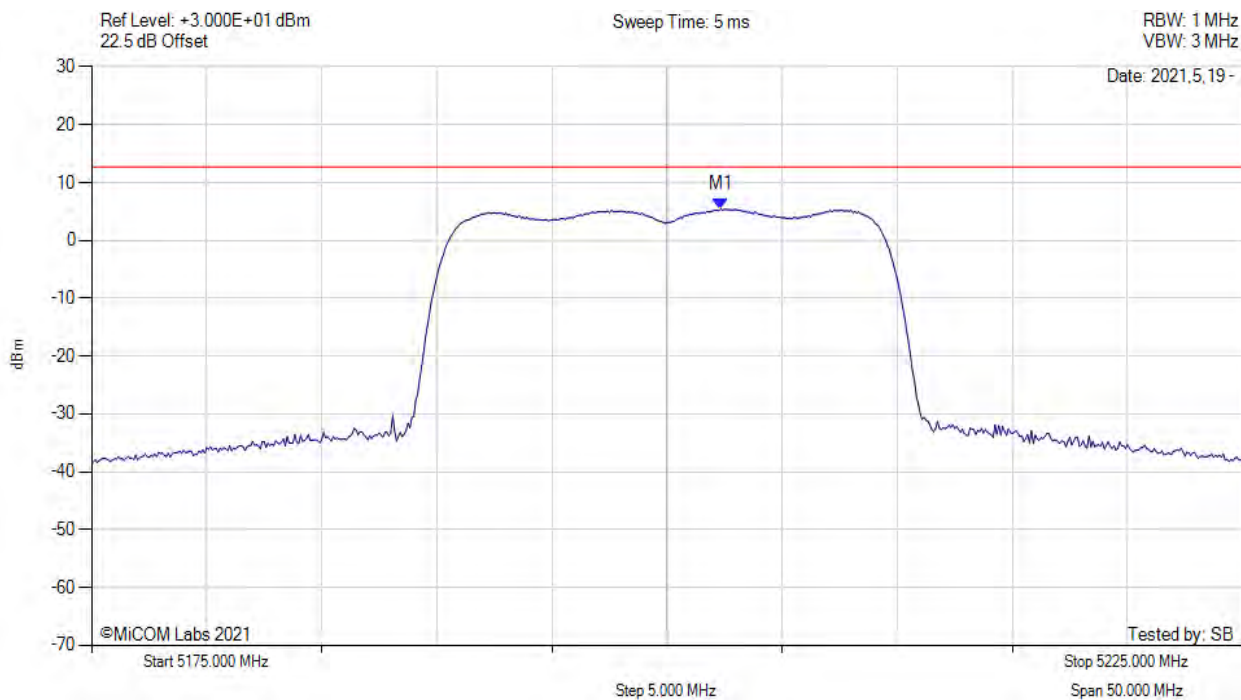
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                         |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.300 MHz : 9.073 dBm<br>M1 + DCCF : 5182.300 MHz : 9.117 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 15.7 dBm<br>Margin: -6.6 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



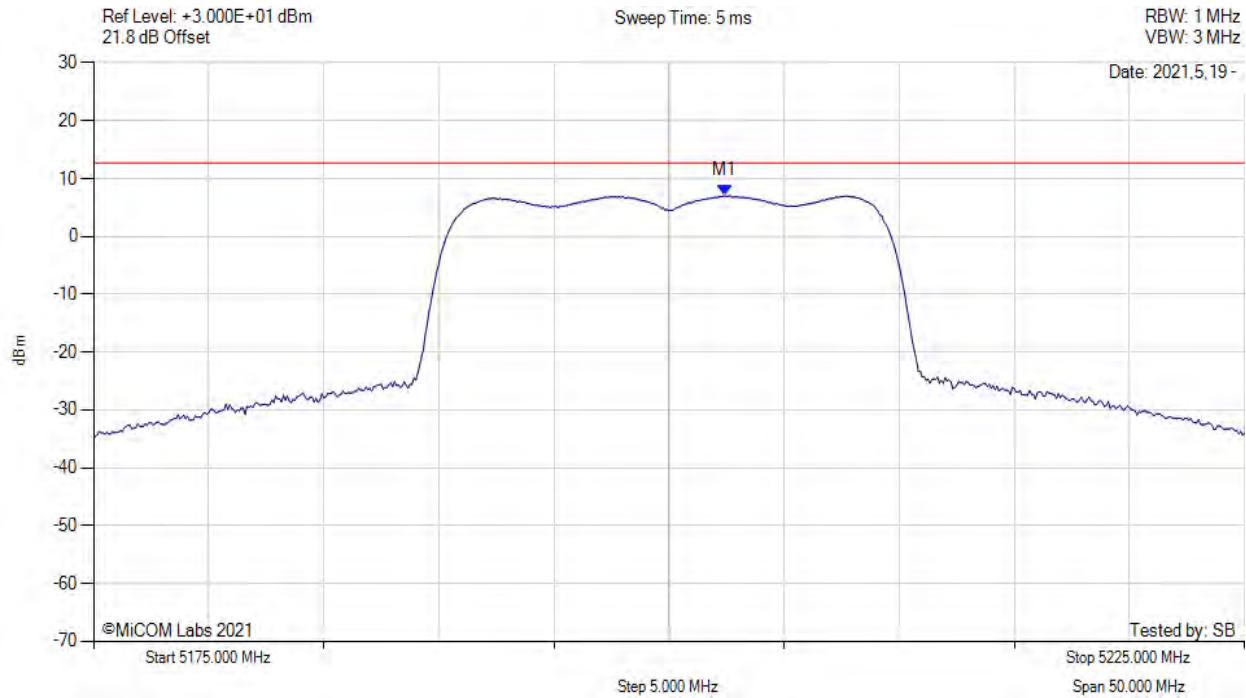
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.330 MHz : 5.447 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



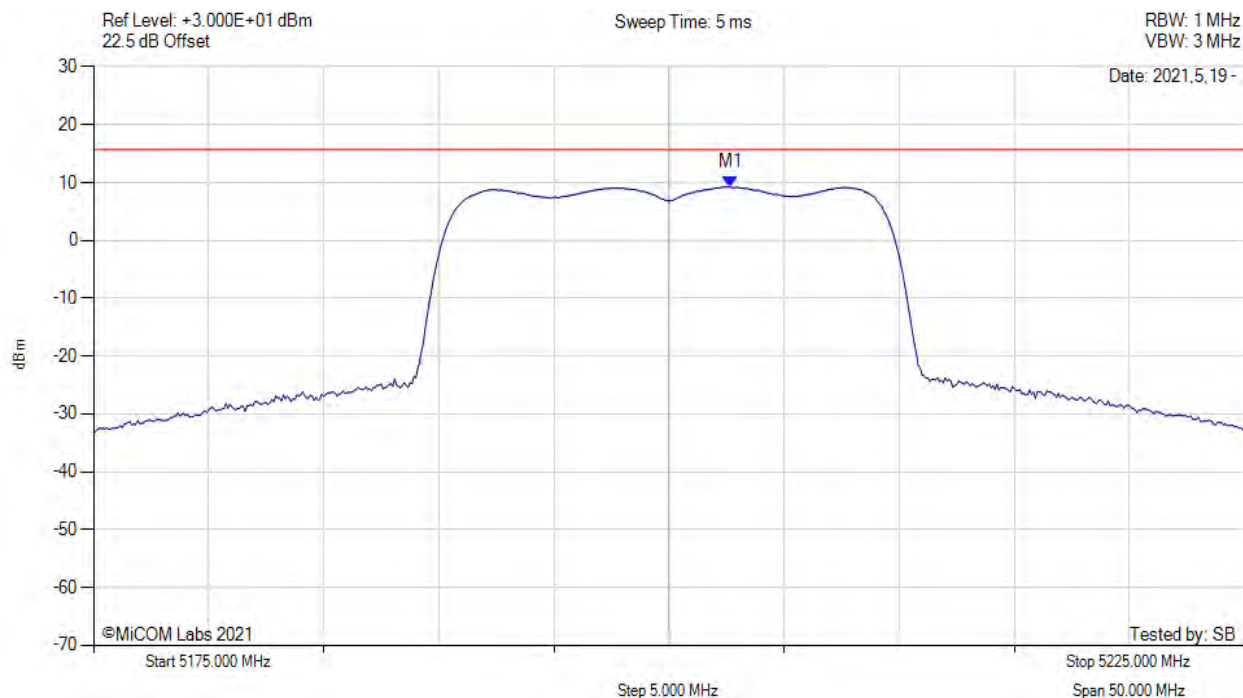
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.420 MHz : 7.053 dBm | Channel Frequency: 5200.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



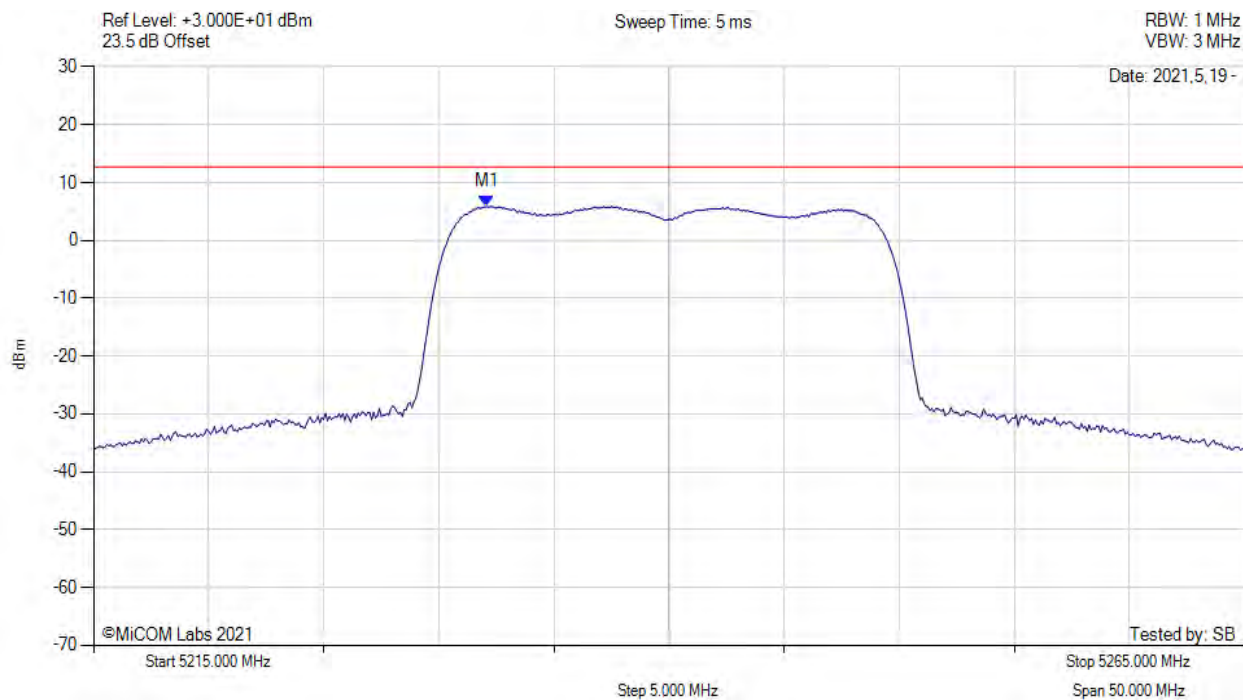
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                         |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.700 MHz : 9.273 dBm<br>M1 + DCCF : 5202.700 MHz : 9.317 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 15.7 dBm<br>Margin: -6.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



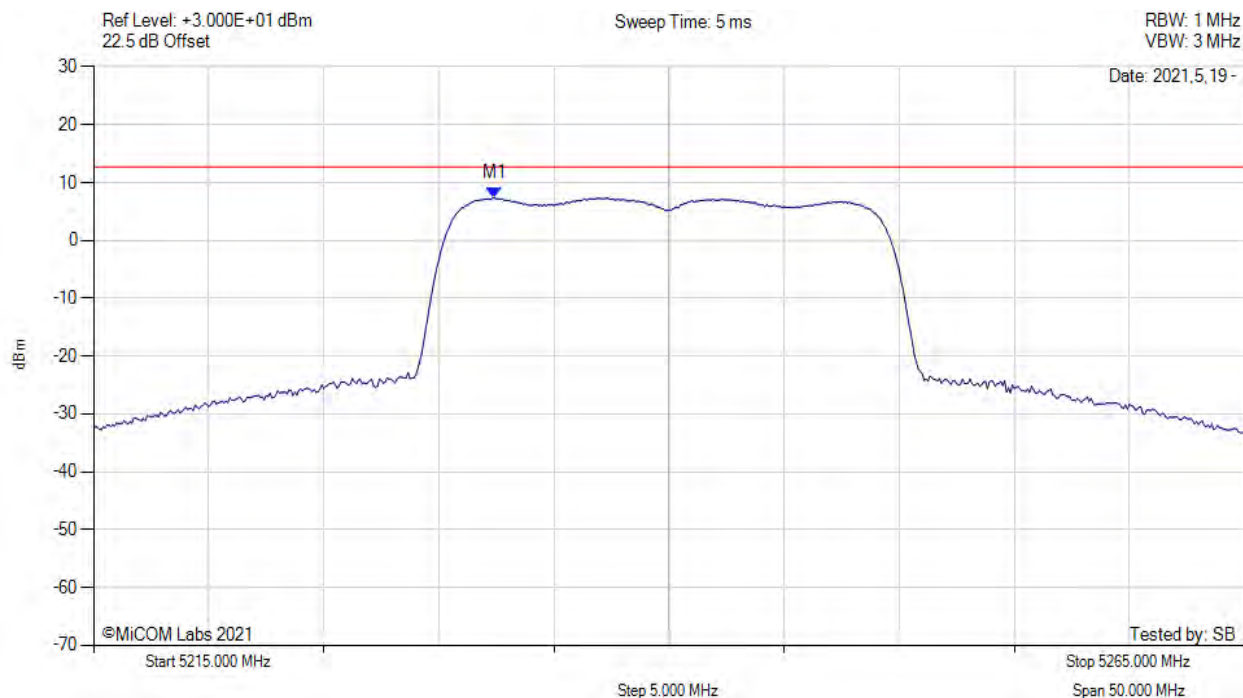
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5232.080 MHz : 5.879 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



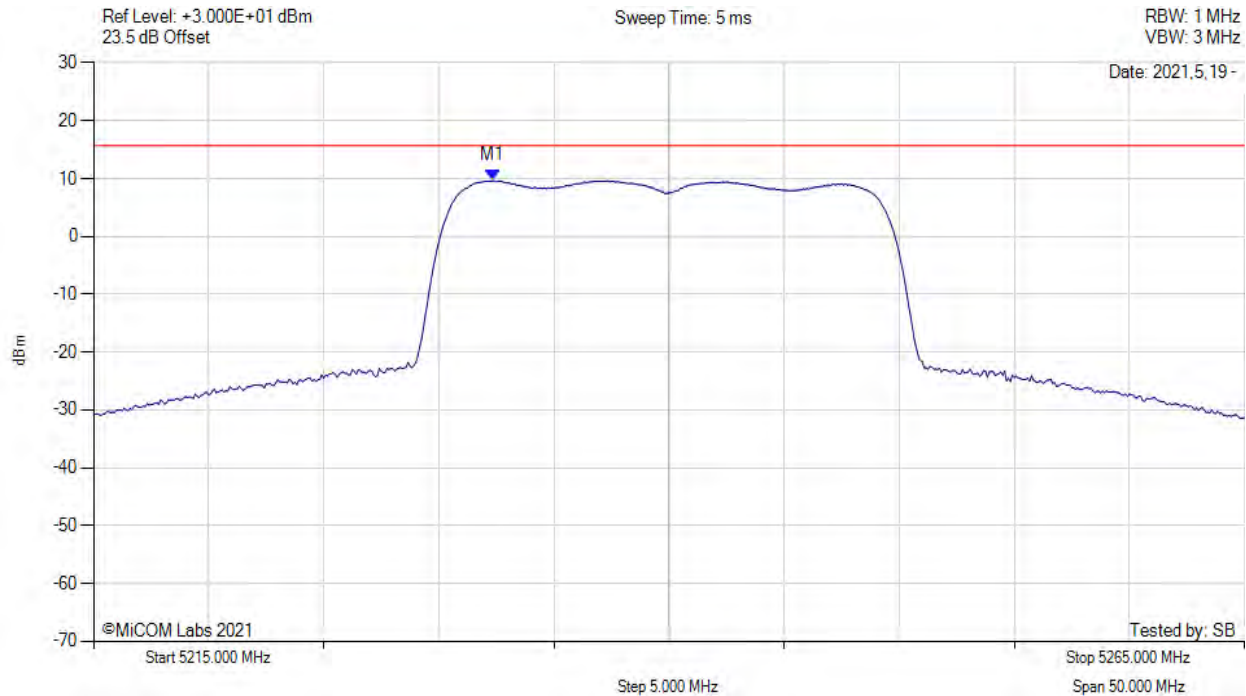
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5232.420 MHz : 7.326 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5240.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



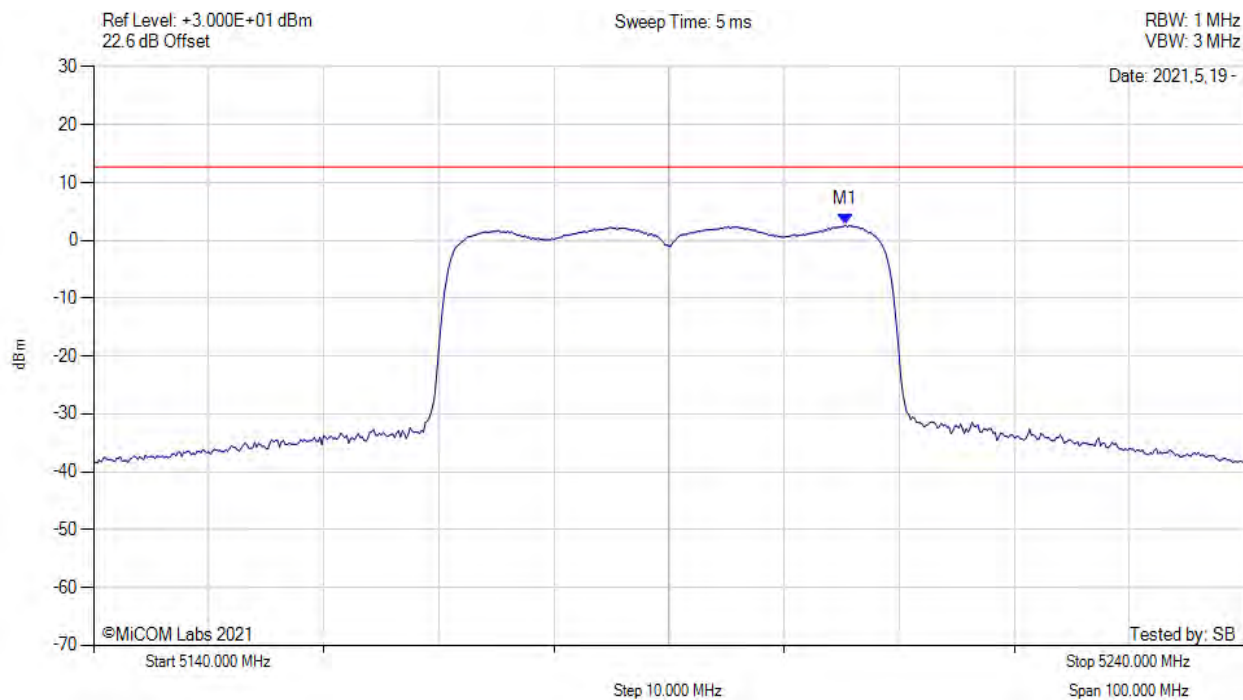
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                         |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5232.300 MHz : 9.642 dBm<br>M1 + DCCF : 5232.300 MHz : 9.686 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 15.7 dBm<br>Margin: -6.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5190.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



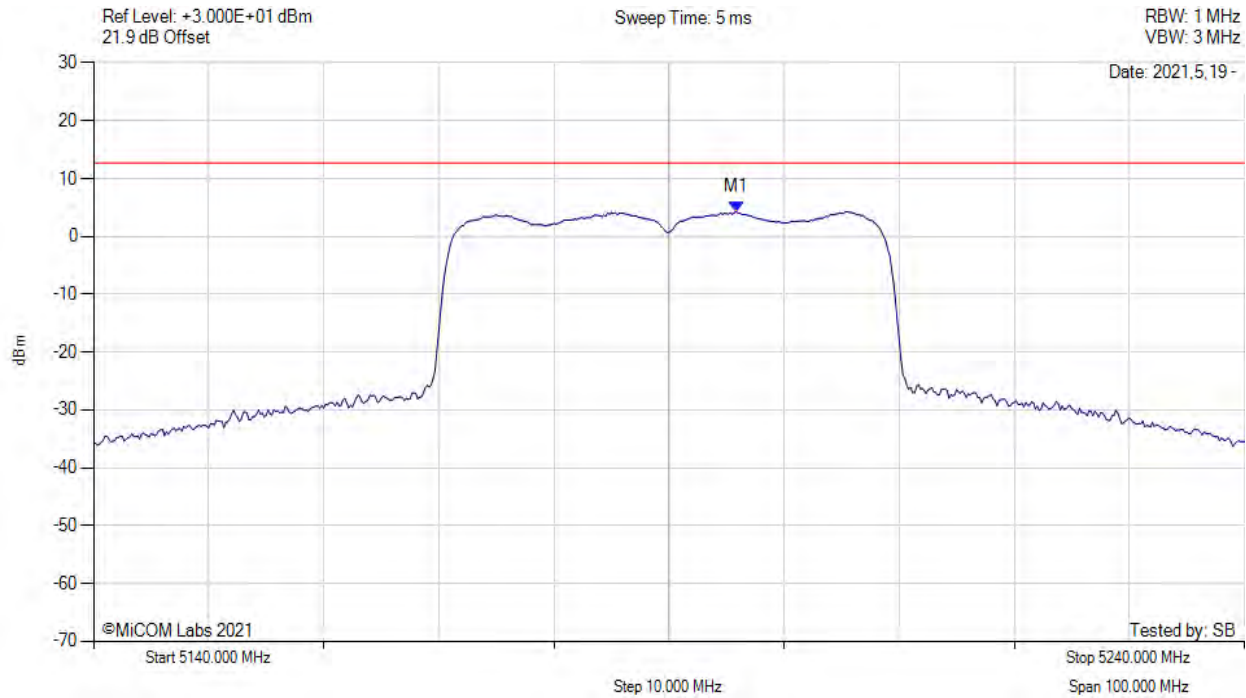
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5205.330 MHz : 2.675 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5190.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



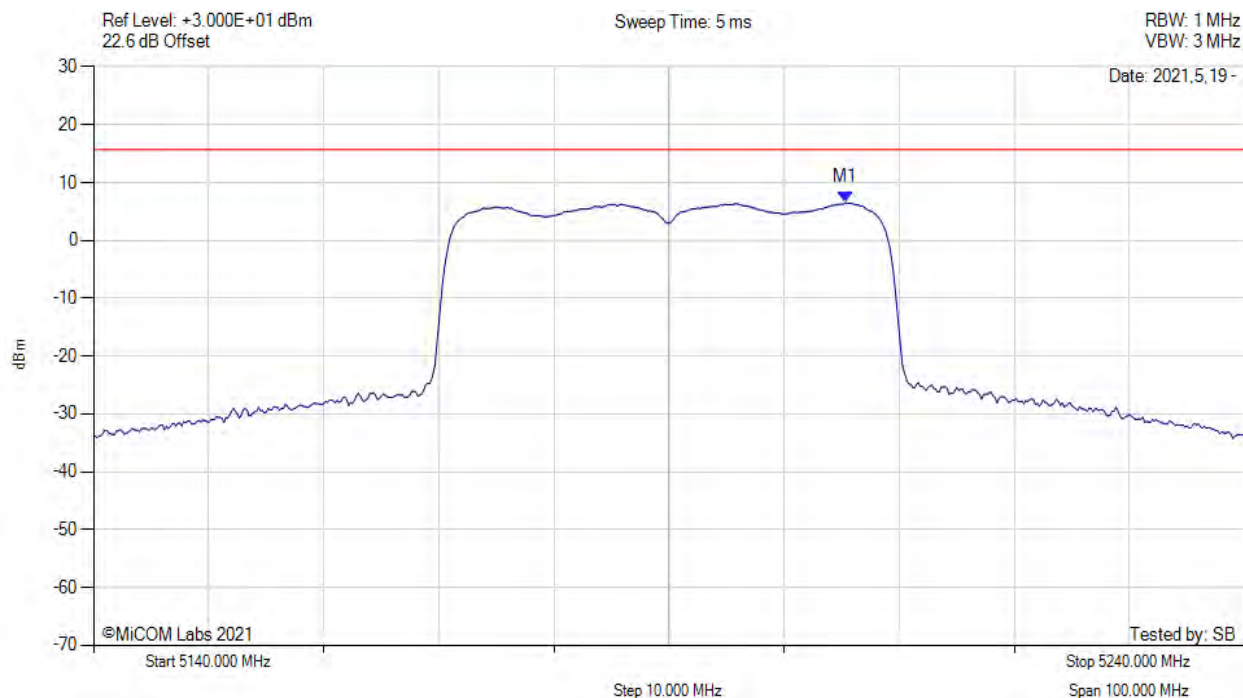
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5195.830 MHz : 4.314 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5190.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



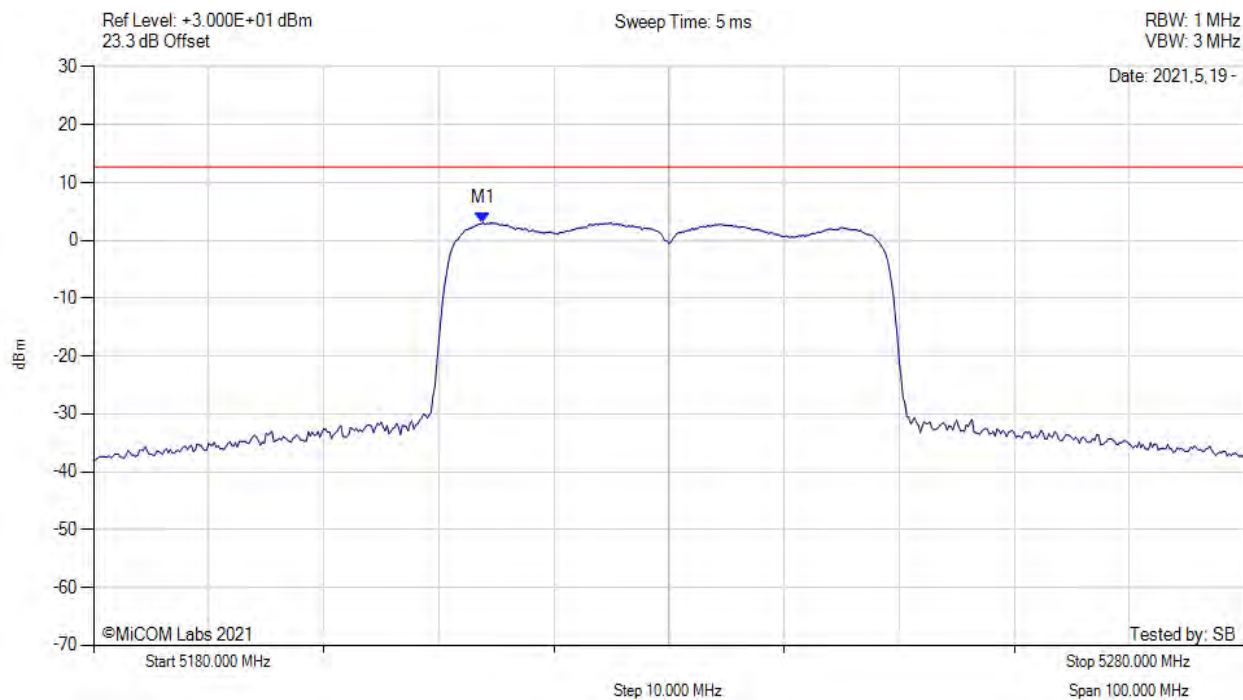
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5205.300 MHz : 6.543 dBm<br>M1 + DCCF : 5205.300 MHz : 6.675 dBm<br>Duty Cycle Correction Factor : +0.13 dB | Limit: $\leq 15.7$ dBm<br>Margin: -9.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5230.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



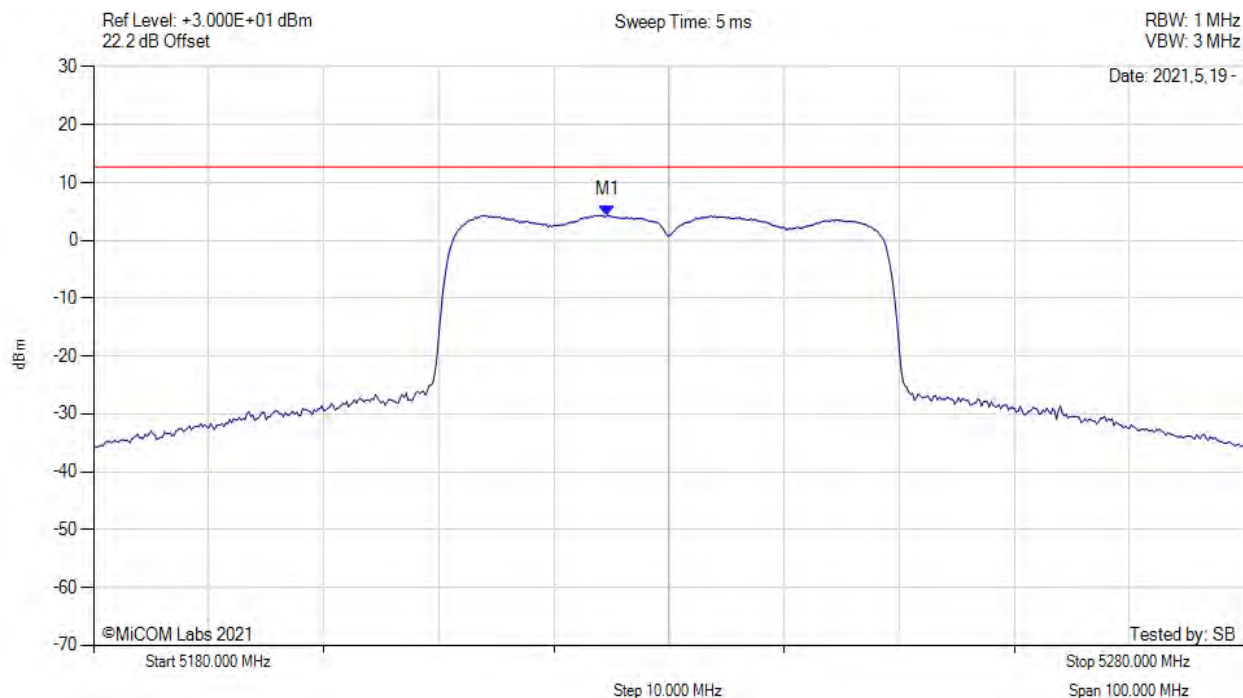
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5213.830 MHz : 3.078 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5230.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



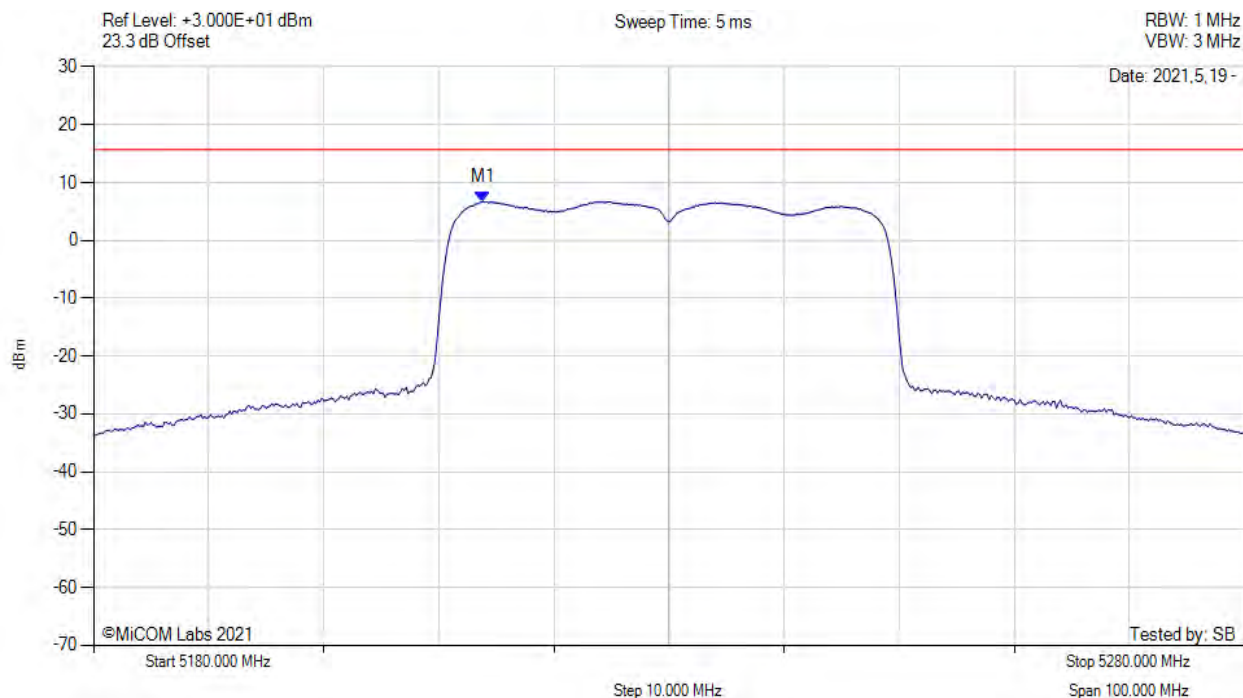
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5224.670 MHz : 4.320 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5230.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



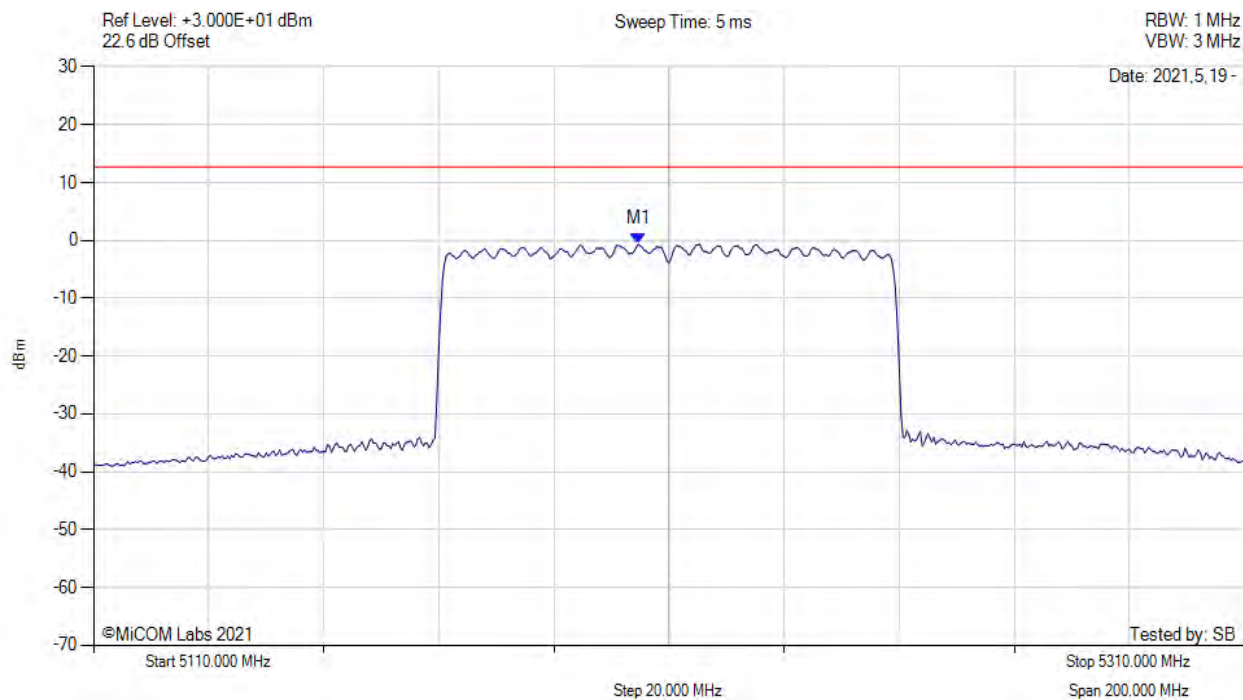
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5213.800 MHz : 6.704 dBm<br>M1 + DCCF : 5213.800 MHz : 6.748 dBm<br>Duty Cycle Correction Factor : +0.13 dB | Limit: $\leq 15.7$ dBm<br>Margin: -9.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5210.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



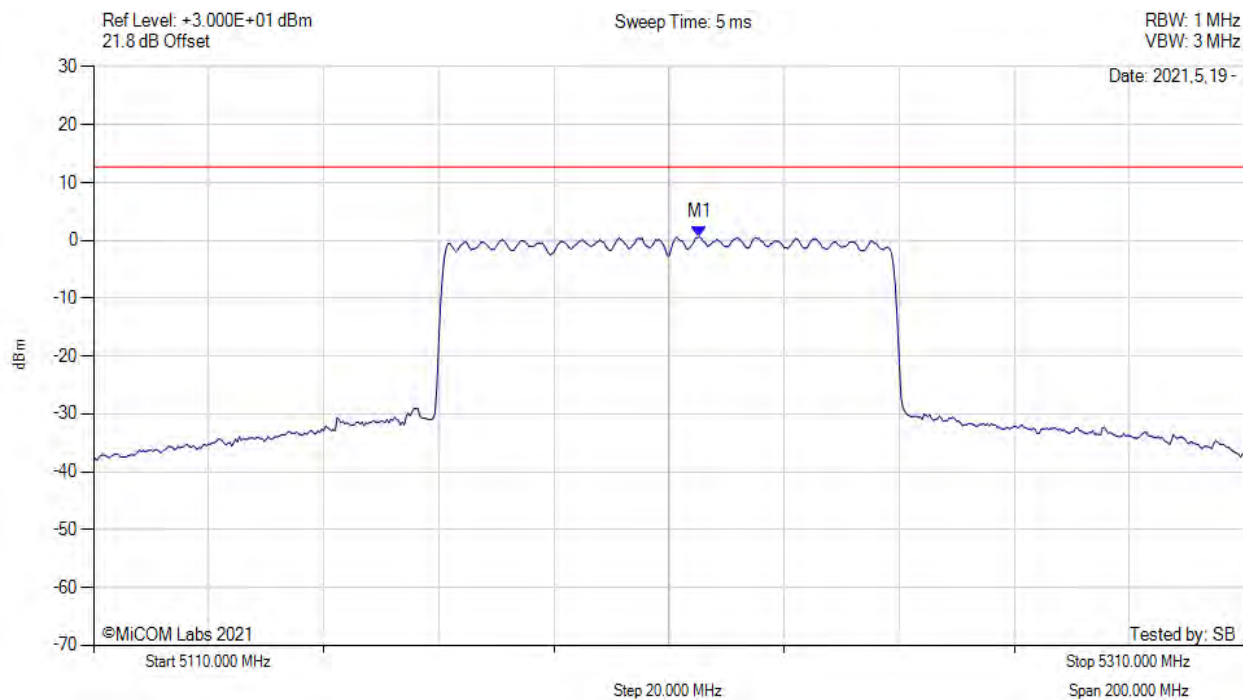
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results        |
|----------------------------------------------------------------------------------|--------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5204.700 MHz : -0.646 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5210.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



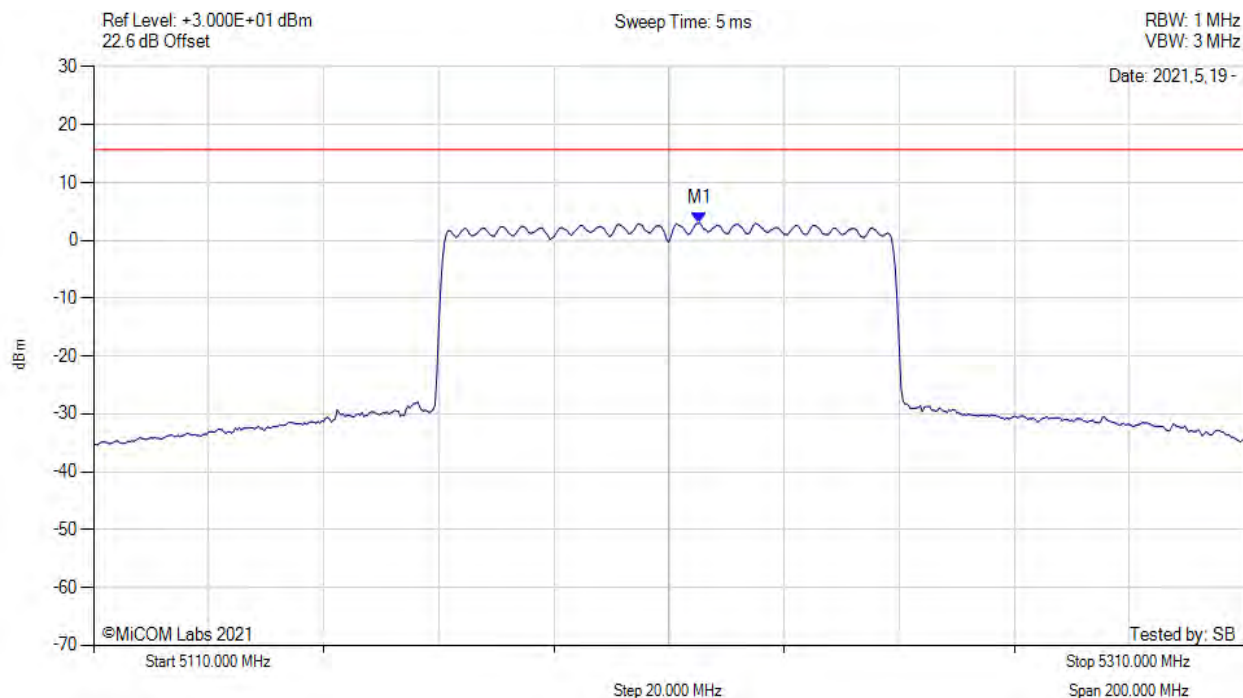
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5215.300 MHz : 0.603 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5210.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



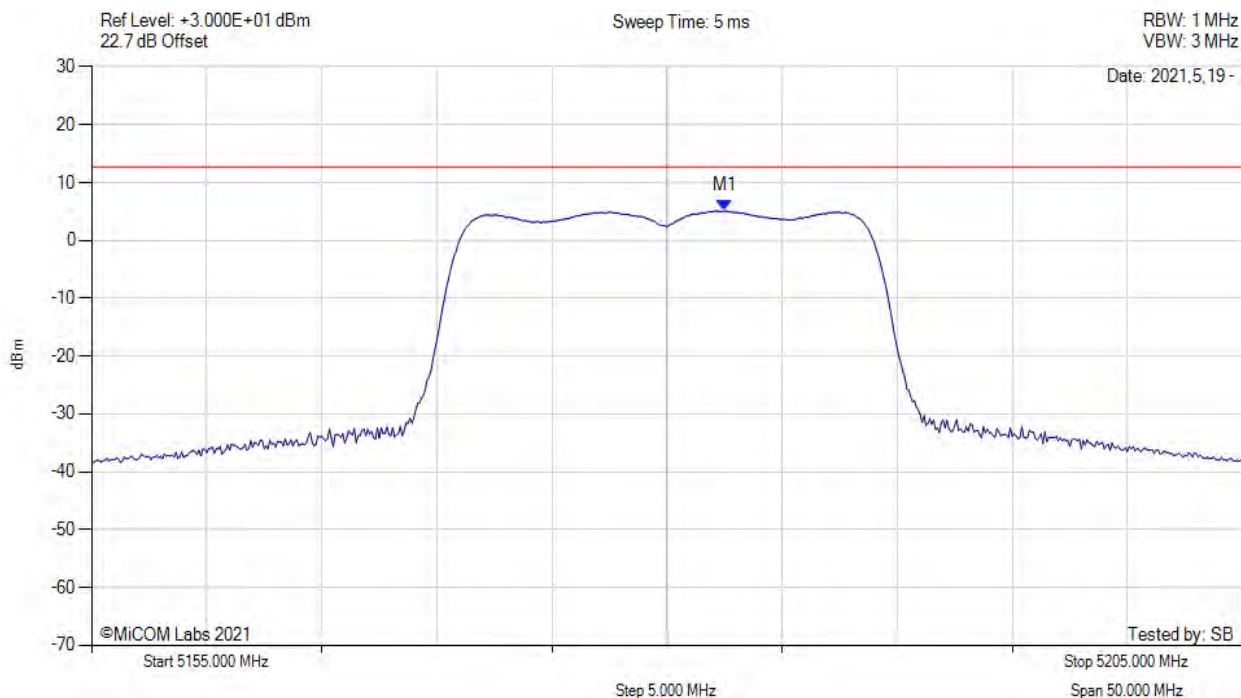
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5215.300 MHz : 3.024 dBm<br>M1 + DCCF : 5215.300 MHz : 3.201 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 15.7$ dBm<br>Margin: -12.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



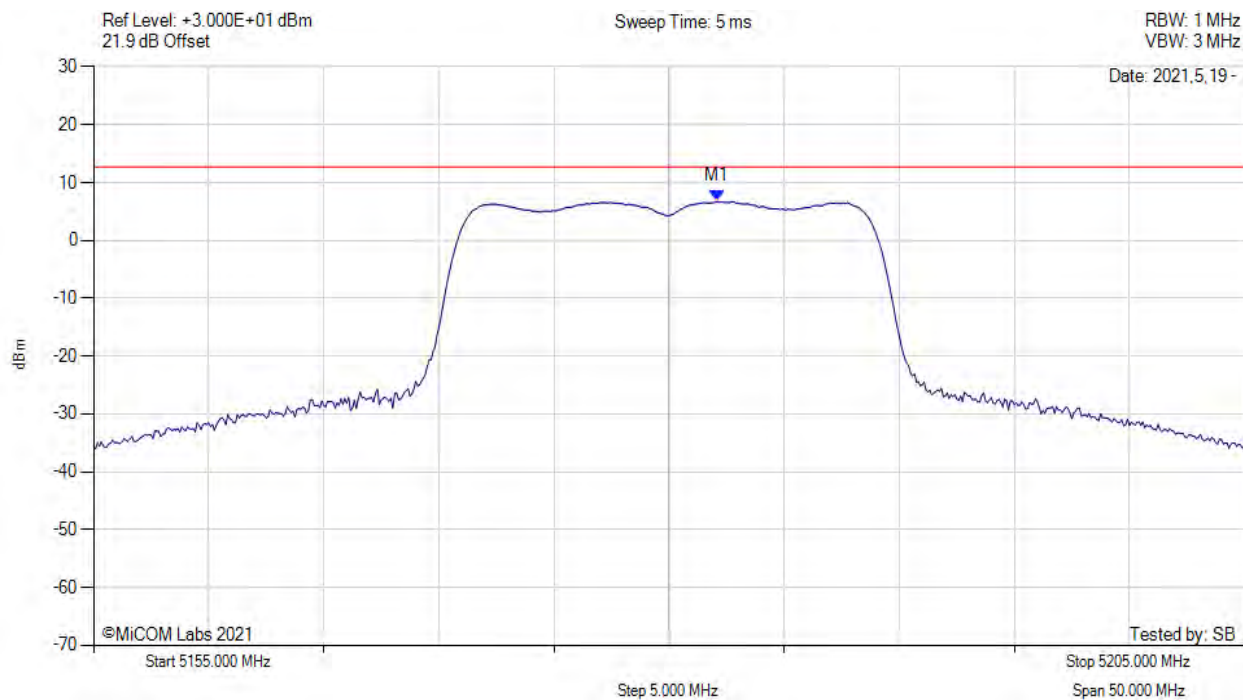
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.500 MHz : 5.125 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



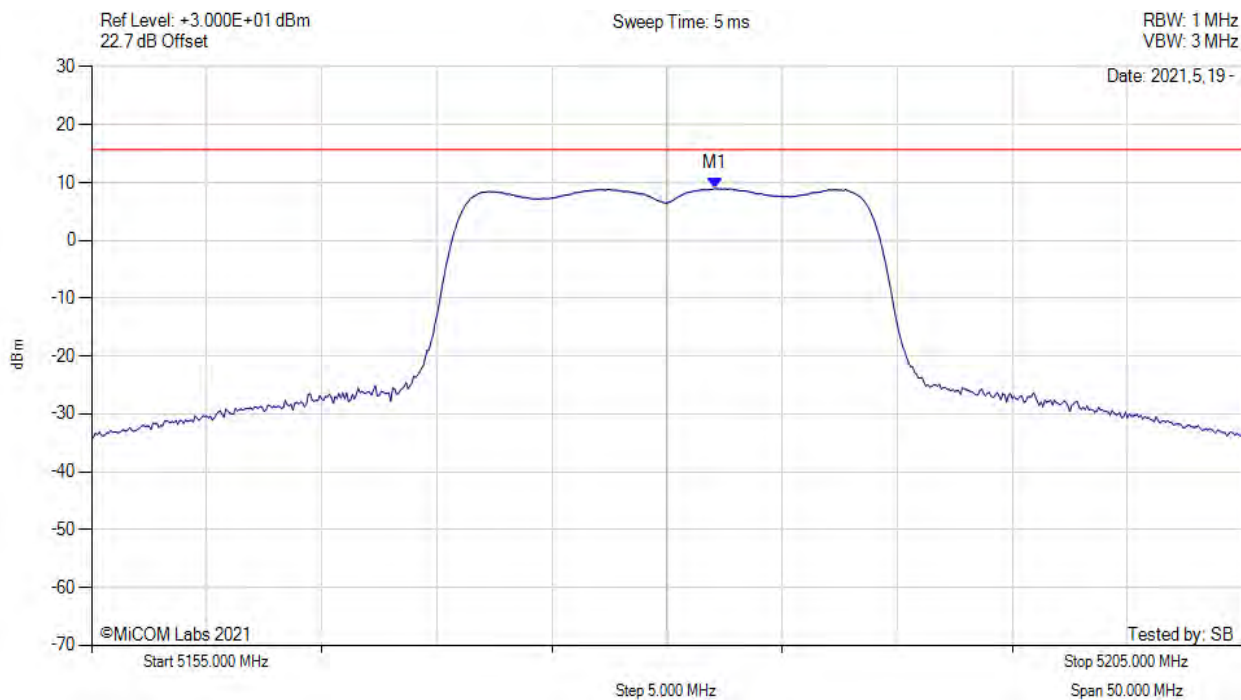
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.080 MHz : 6.745 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5180.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



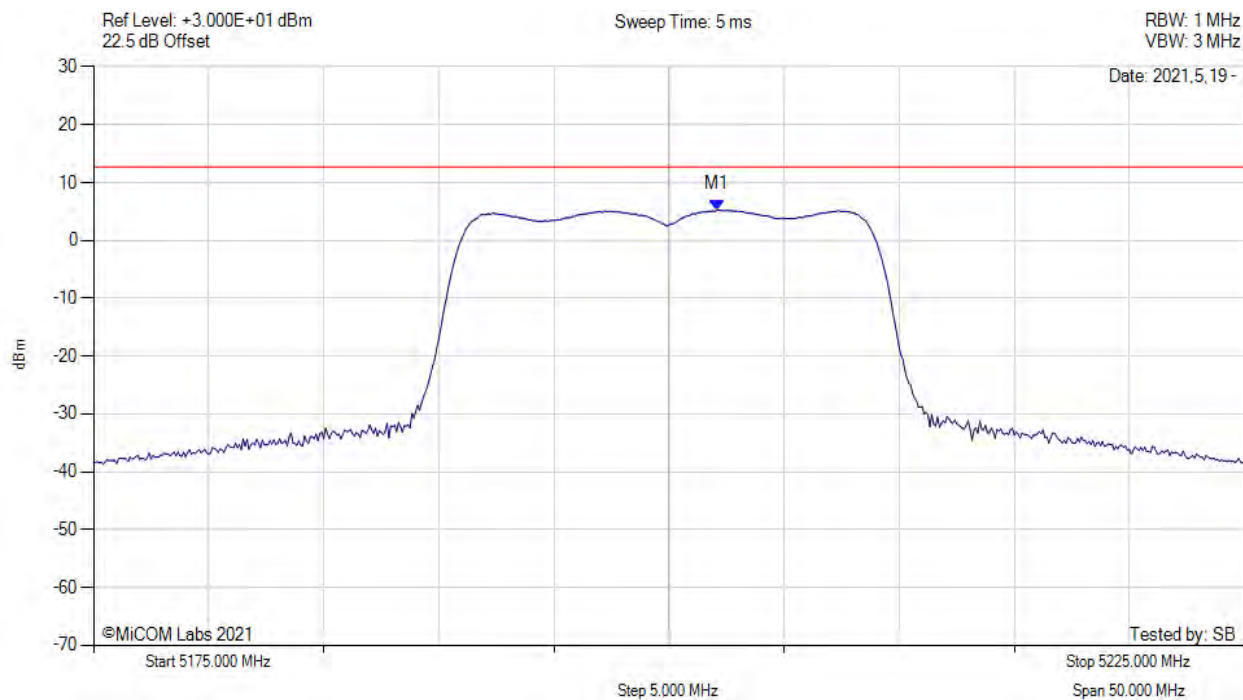
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5182.100 MHz : 9.003 dBm<br>M1 + DCCF : 5182.100 MHz : 9.047 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 15.7$ dBm<br>Margin: -6.7 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



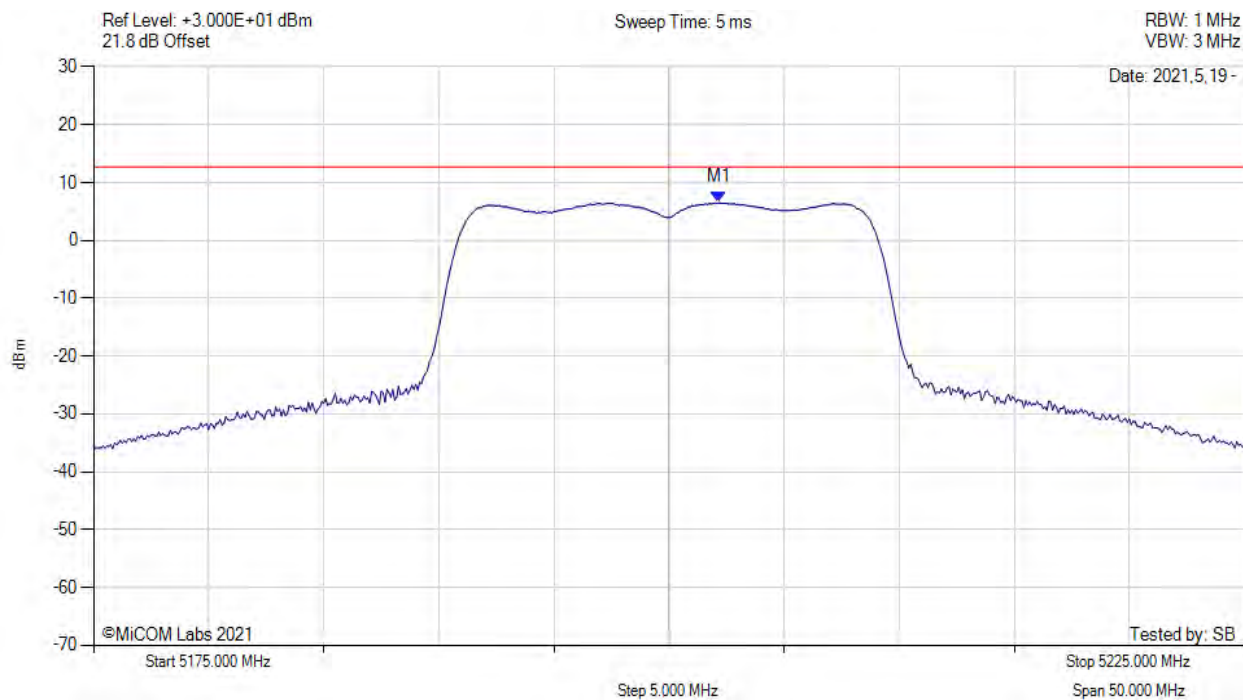
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.080 MHz : 5.299 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



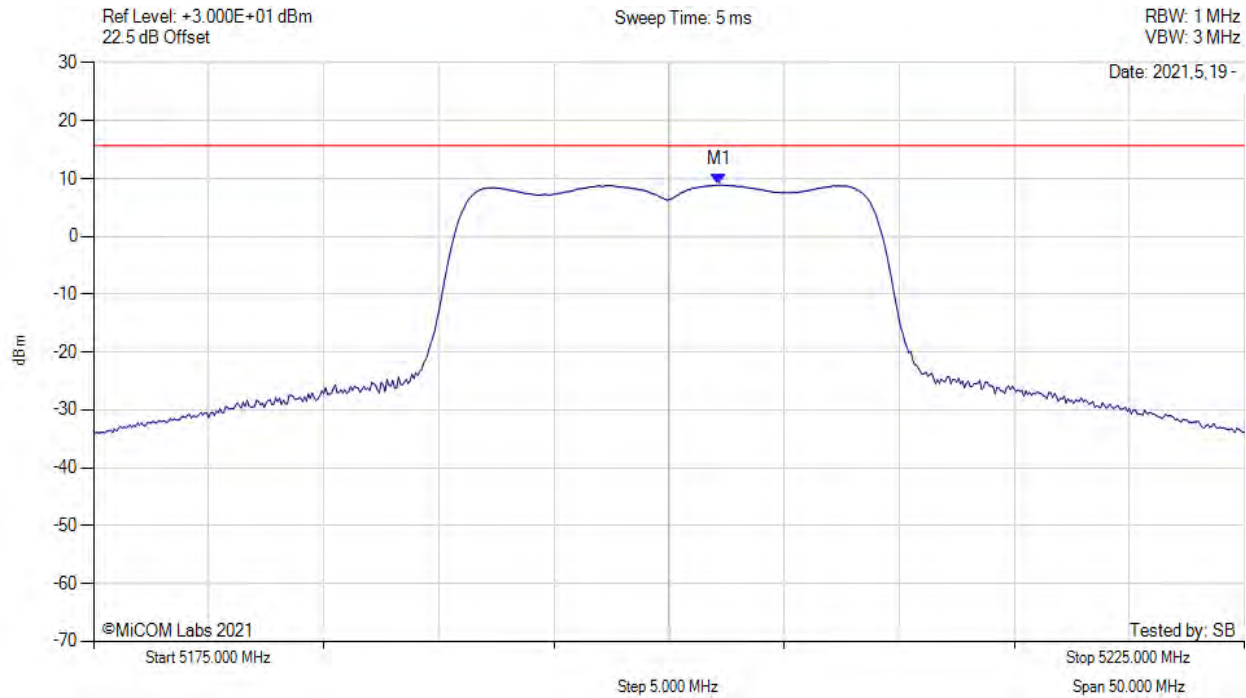
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.170 MHz : 6.513 dBm | Channel Frequency: 5200.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



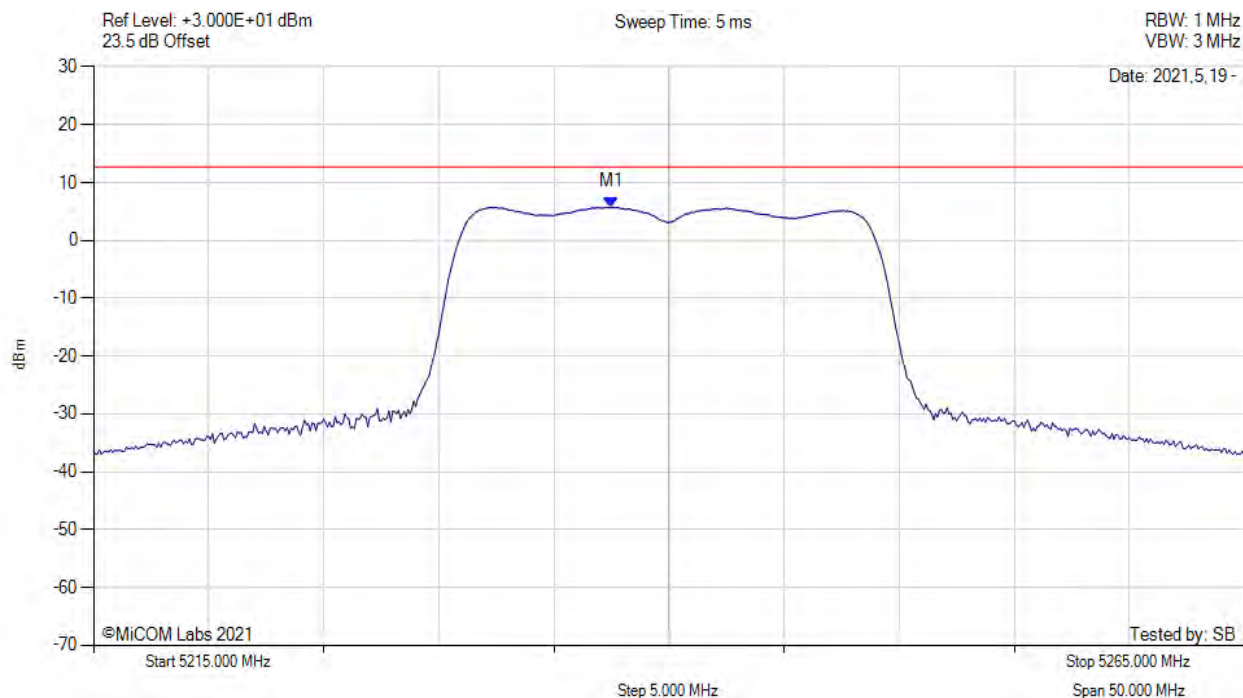
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5202.200 MHz : 8.913 dBm<br>M1 + DCCF : 5202.200 MHz : 8.957 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 15.7$ dBm<br>Margin: -6.8 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



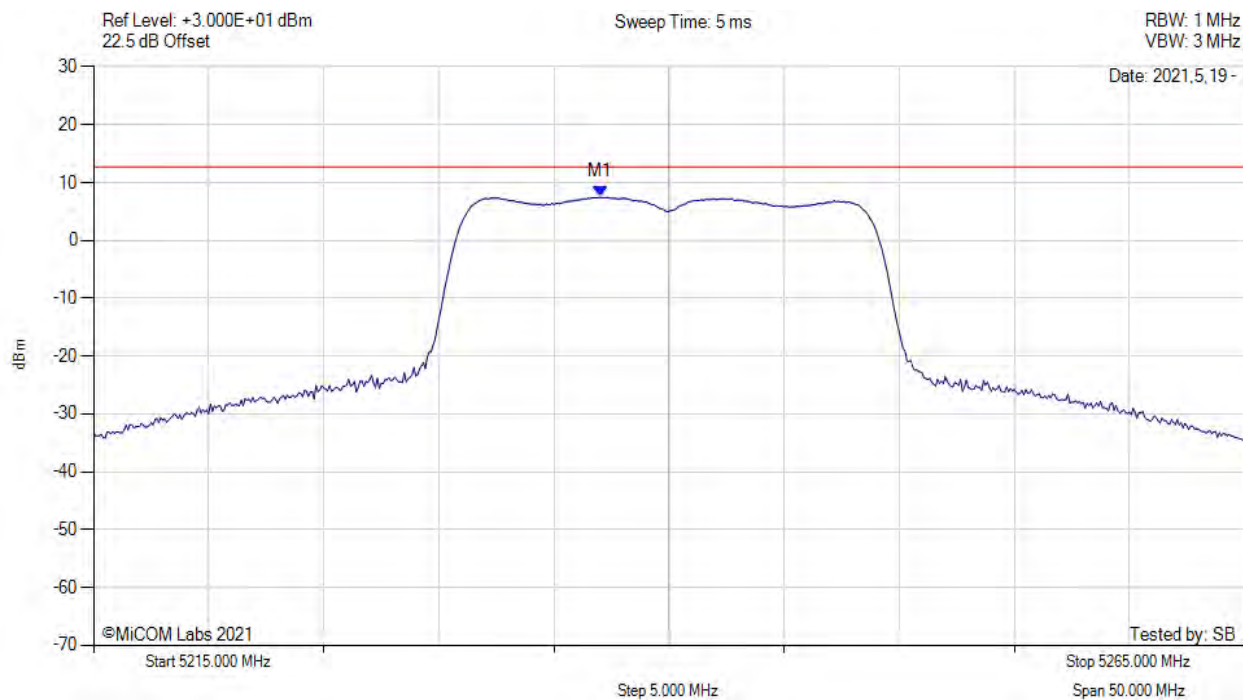
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5237.500 MHz : 5.778 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



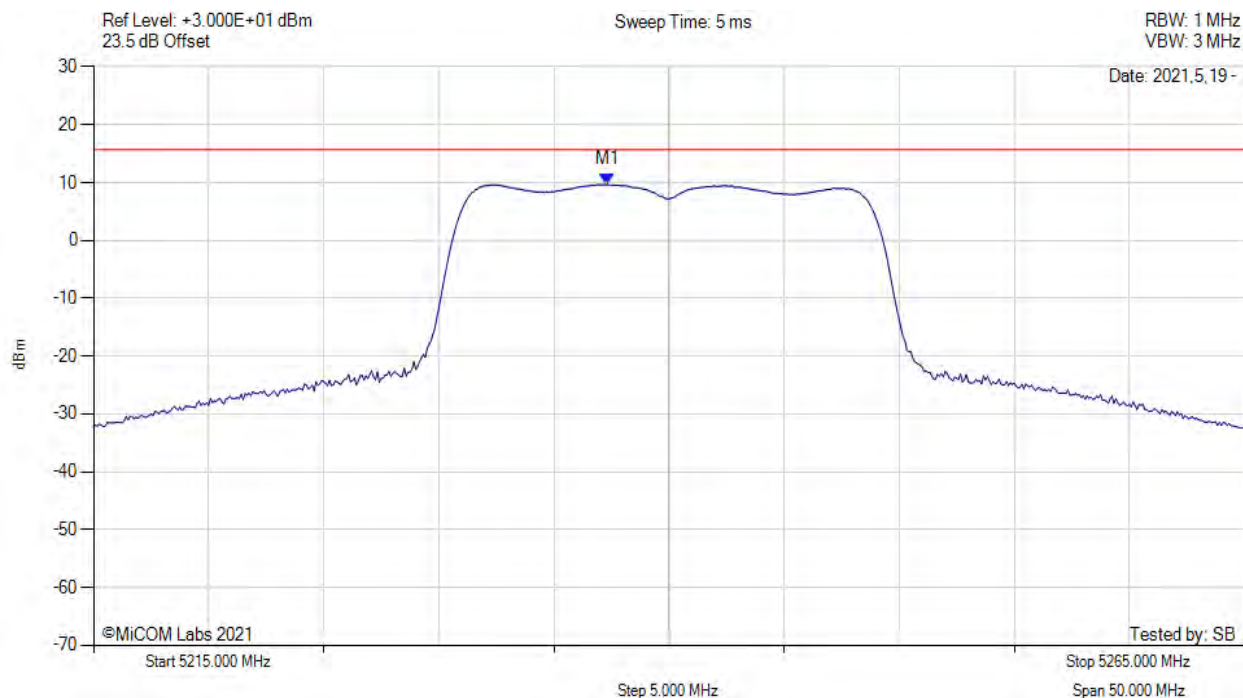
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5237.000 MHz : 7.468 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5240.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



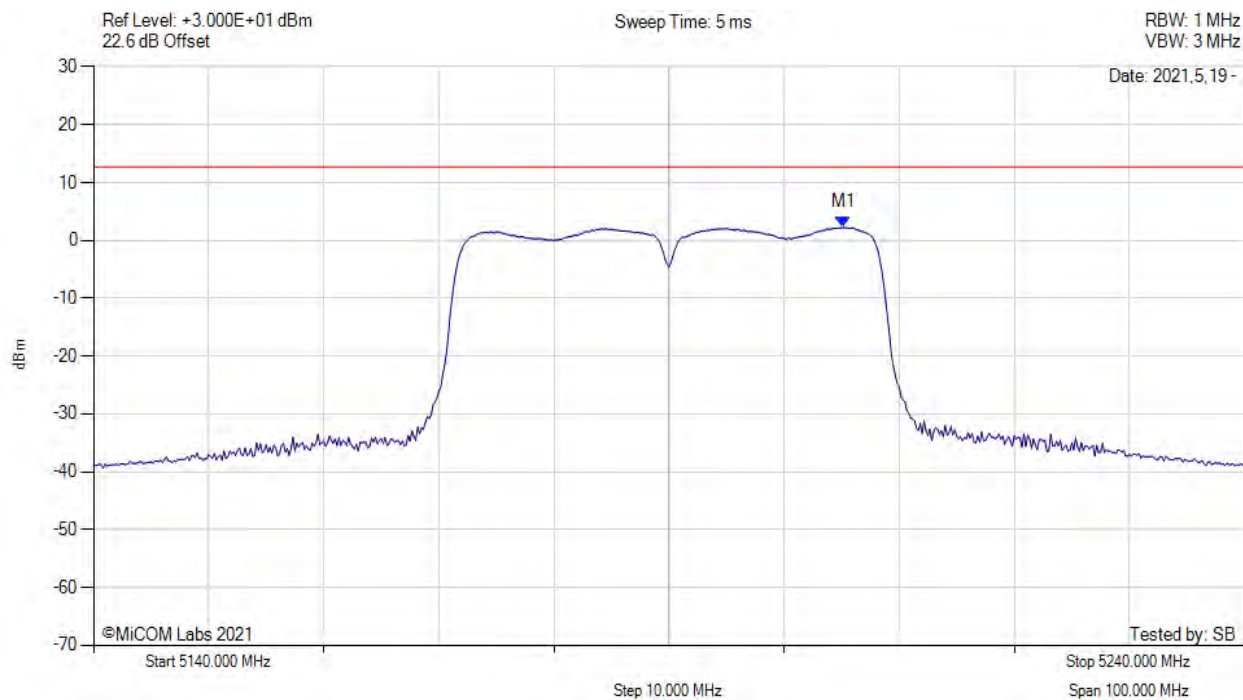
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5237.300 MHz : 9.665 dBm<br>M1 + DCCF : 5237.300 MHz : 9.709 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 15.7$ dBm<br>Margin: -6.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



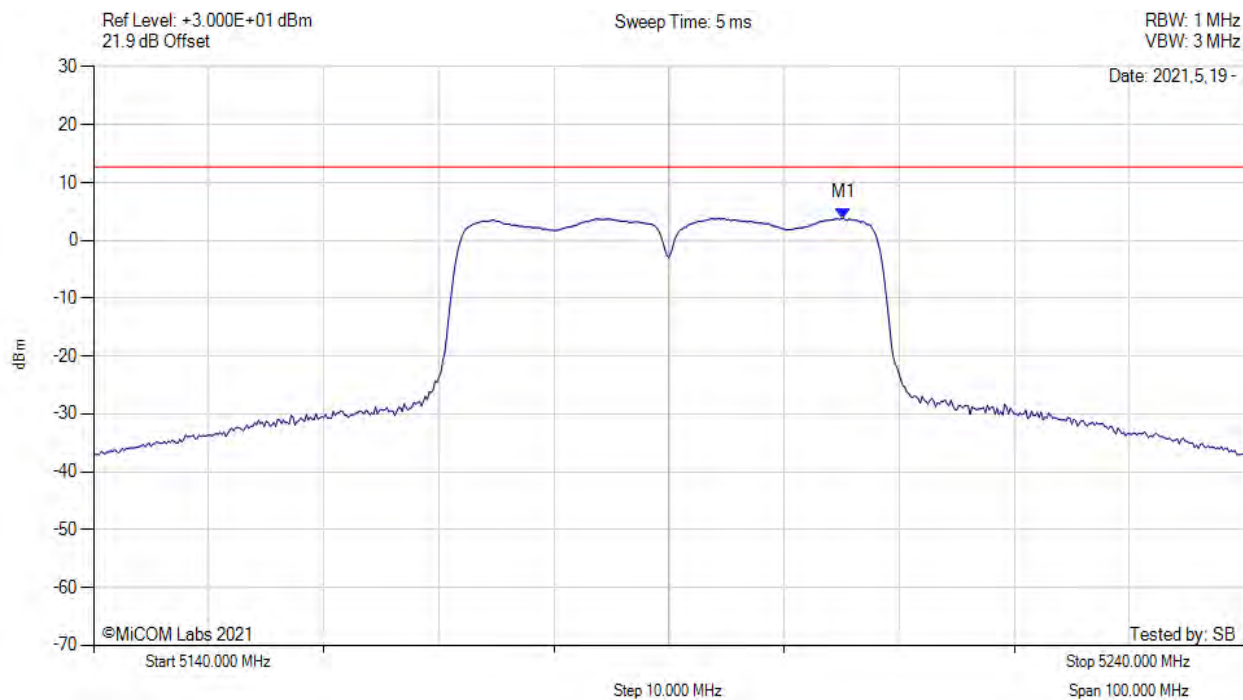
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5205.170 MHz : 2.225 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



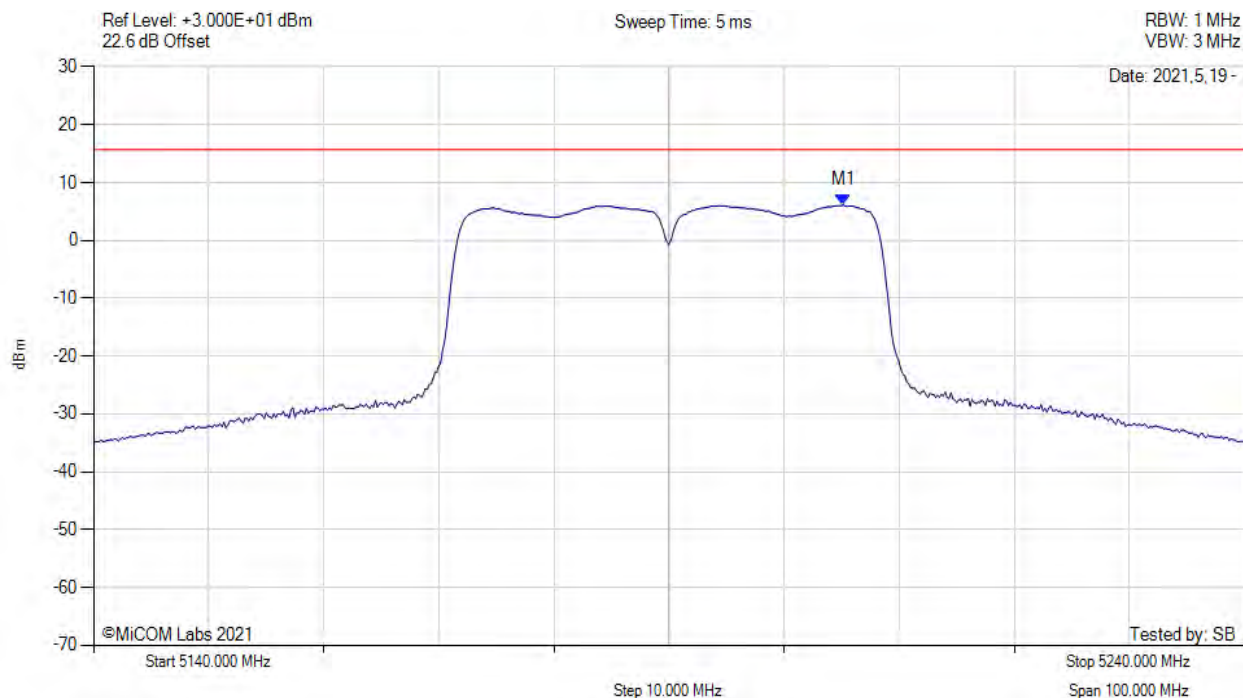
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5205.170 MHz : 3.853 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5190.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



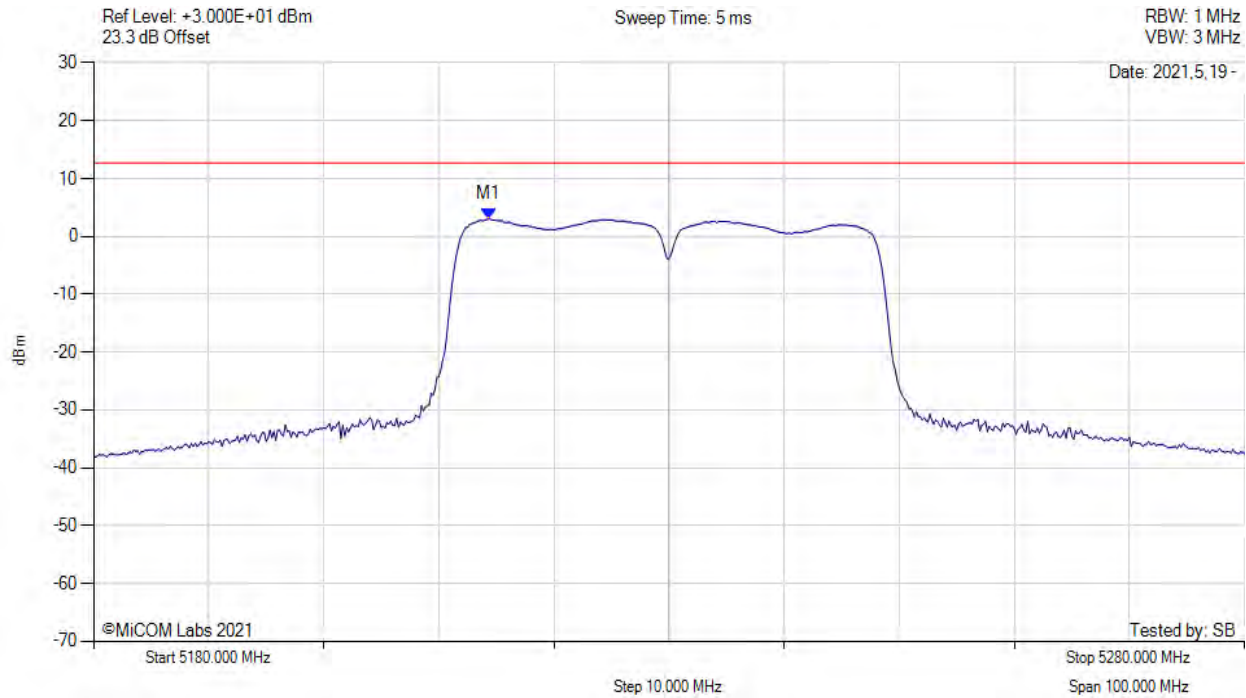
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                         |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5205.200 MHz : 6.125 dBm<br>M1 + DCCF : 5205.200 MHz : 6.169 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 15.7 dBm<br>Margin: -9.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



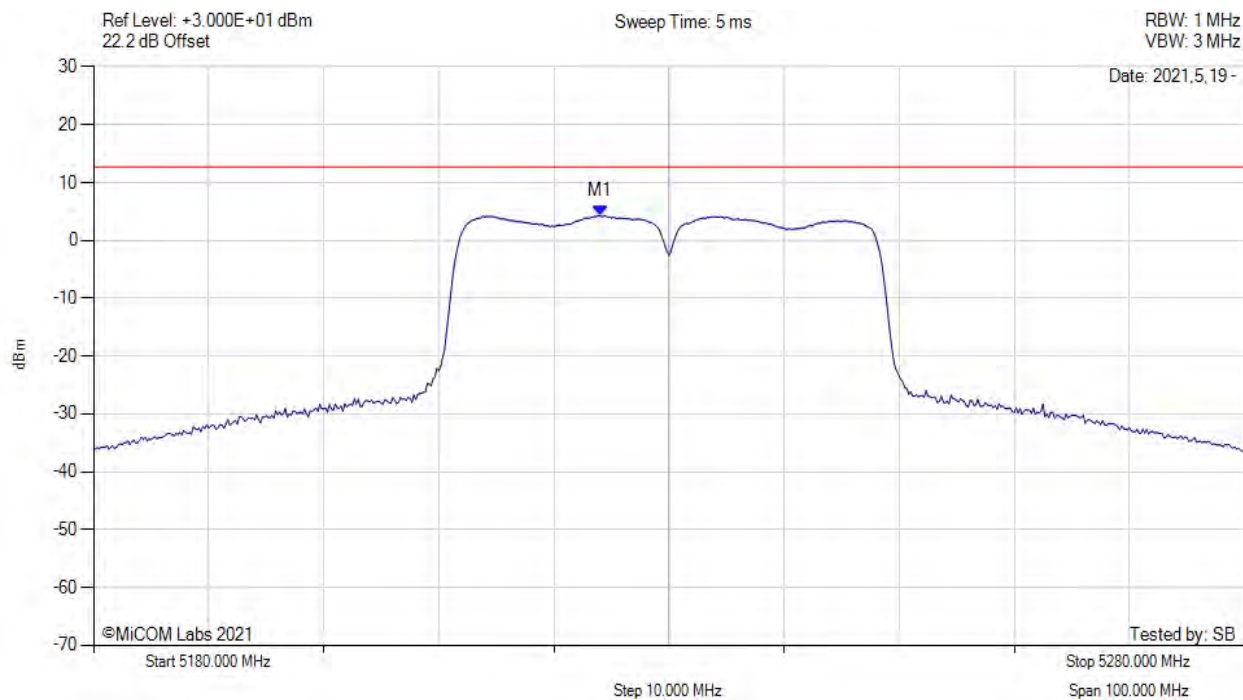
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5214.330 MHz : 3.036 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



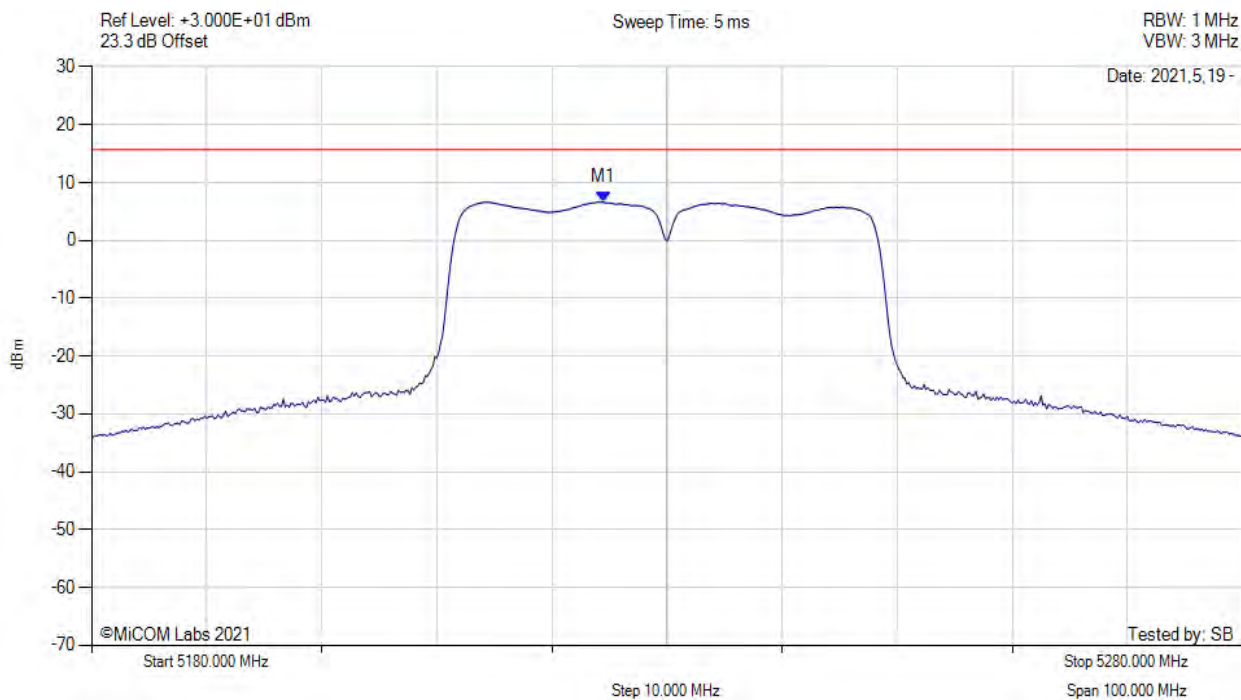
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5224.000 MHz : 4.282 dBm | Limit: ≤ 12.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5230.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



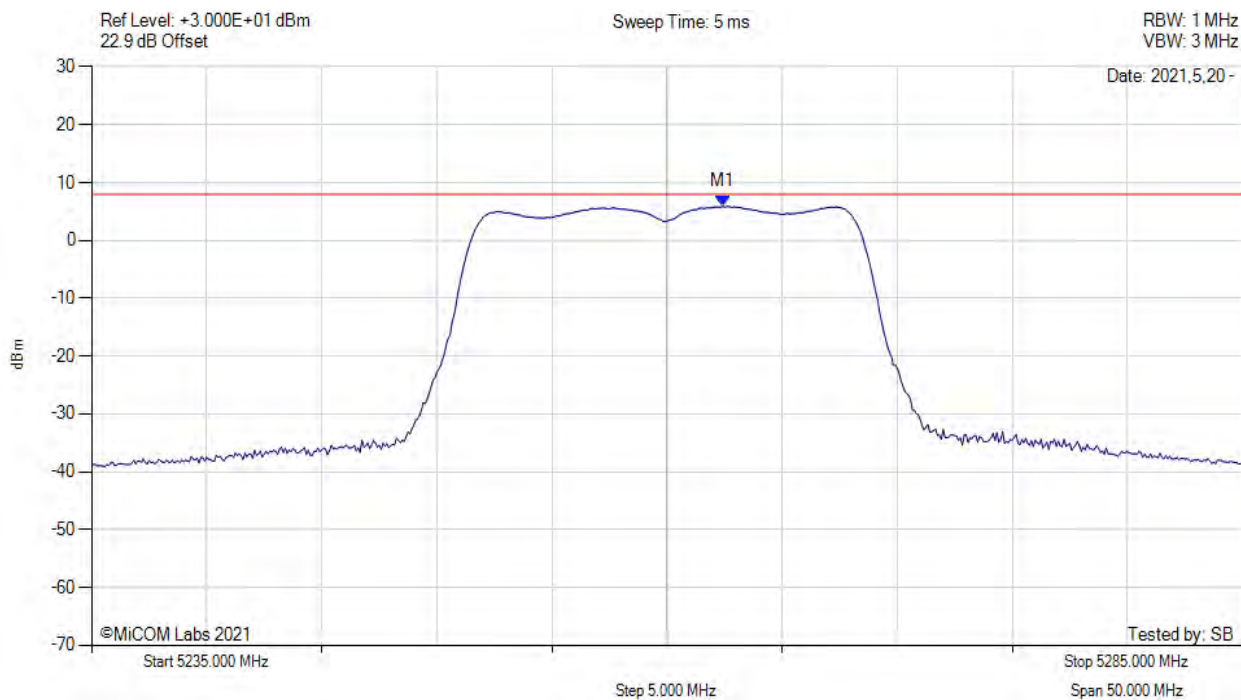
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5224.500 MHz : 6.640 dBm<br>M1 + DCCF : 5224.500 MHz : 6.684 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 15.7$ dBm<br>Margin: -9.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



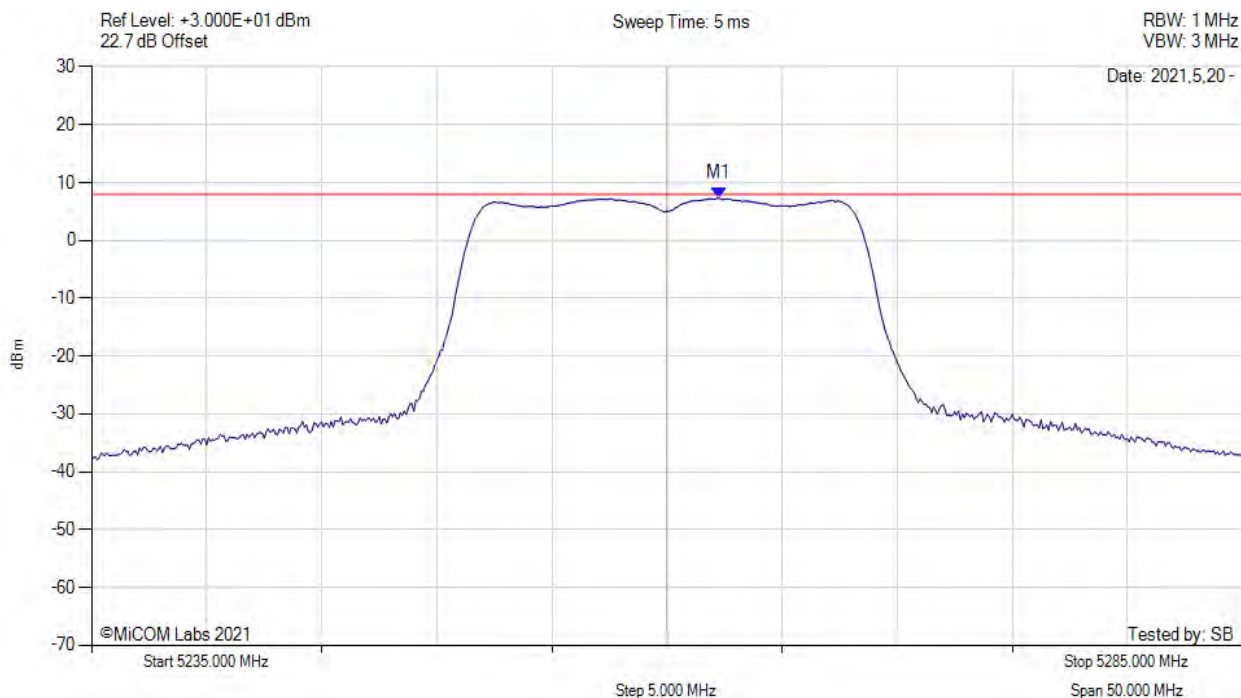
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.420 MHz : 5.898 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



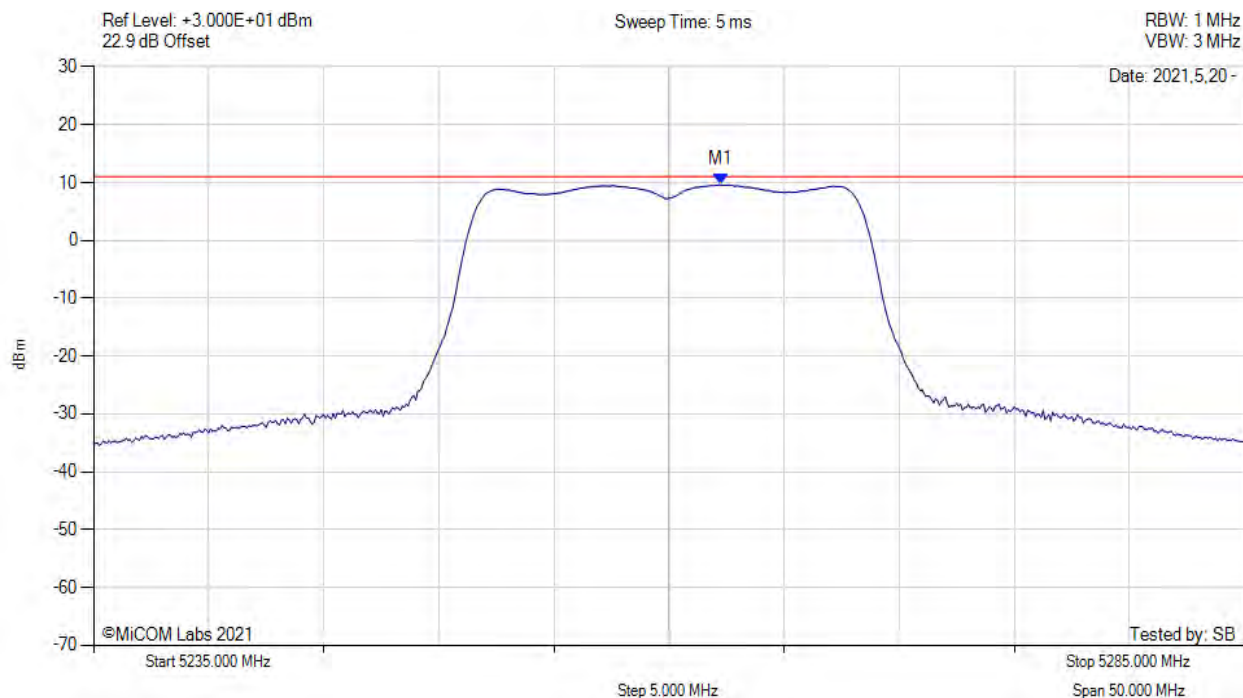
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.250 MHz : 7.321 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



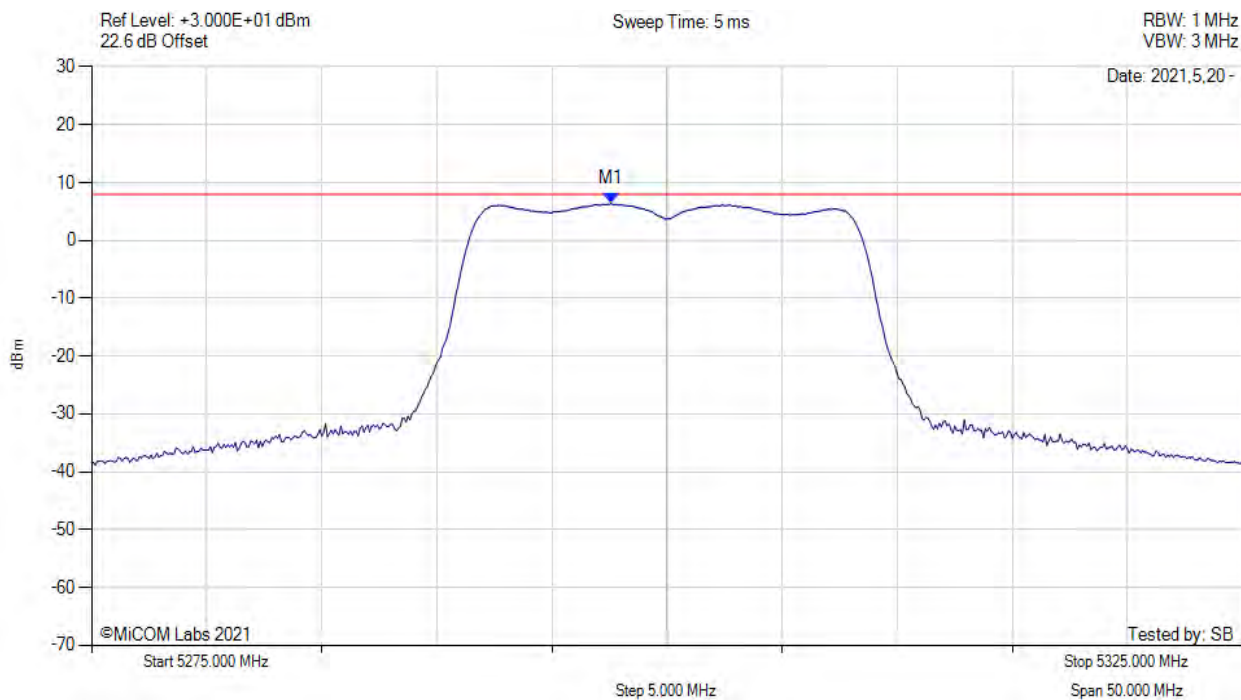
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.300 MHz : 9.621 dBm<br>M1 + DCCF : 5262.300 MHz : 9.665 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 11.0$ dBm<br>Margin: -1.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



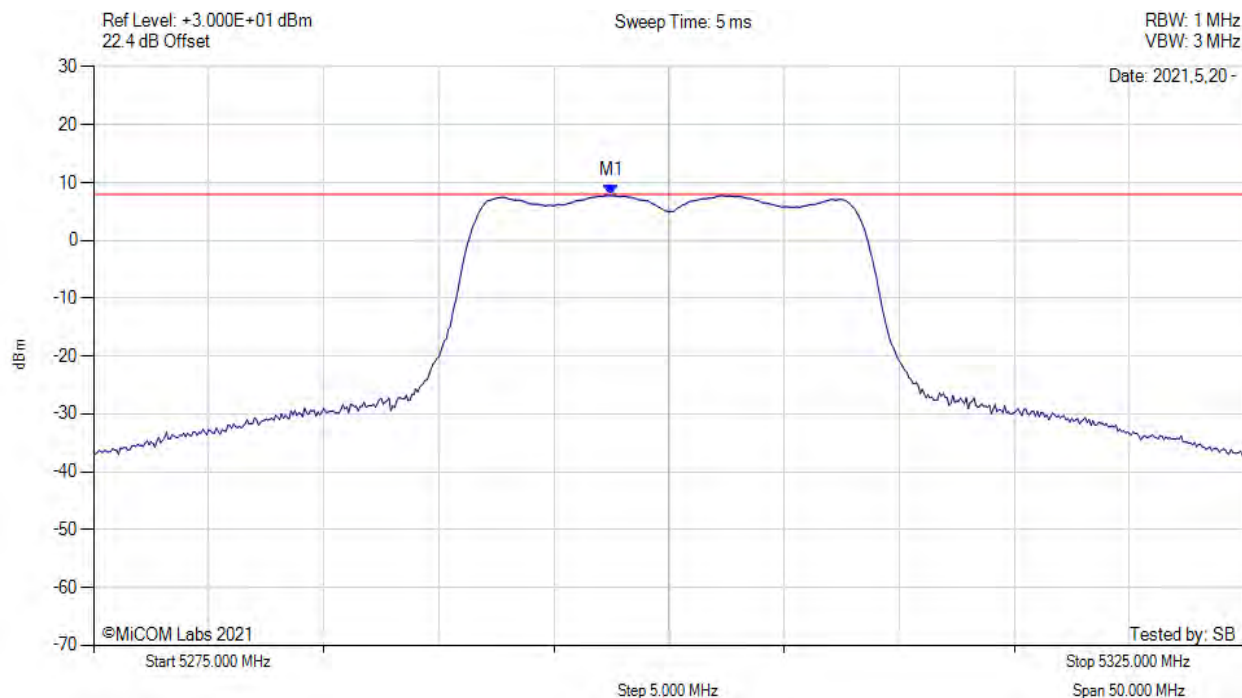
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.580 MHz : 6.376 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



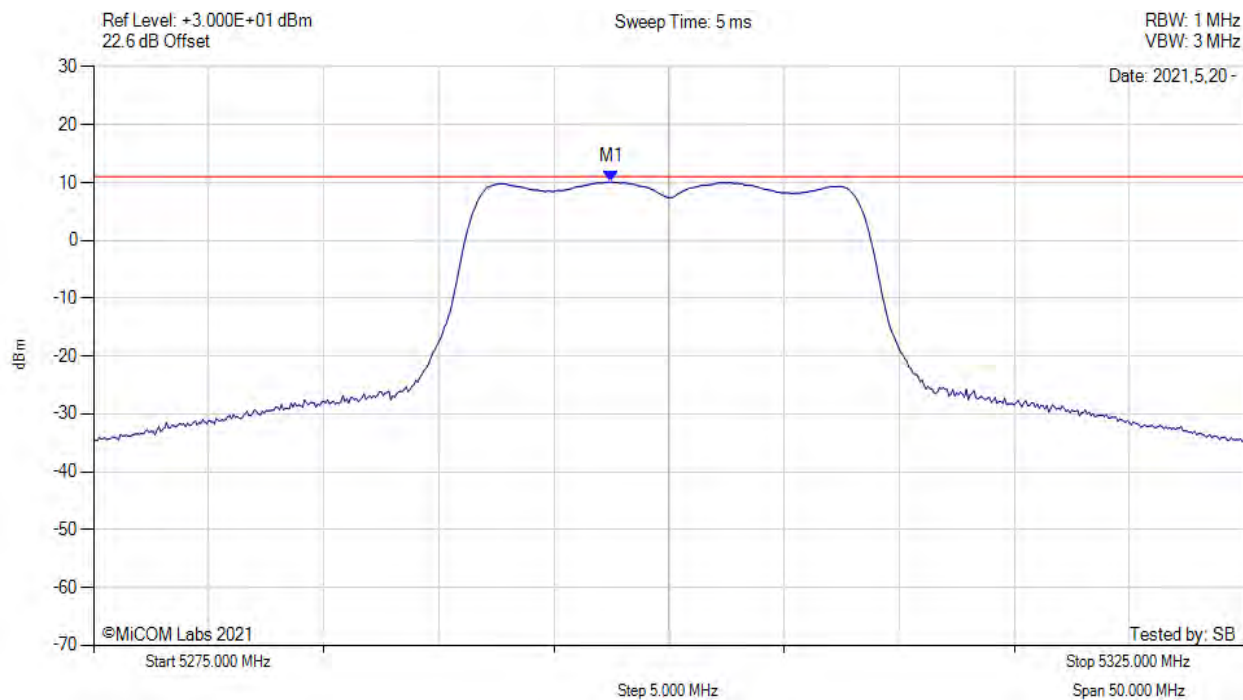
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.500 MHz : 7.815 dBm | Channel Frequency: 5300.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



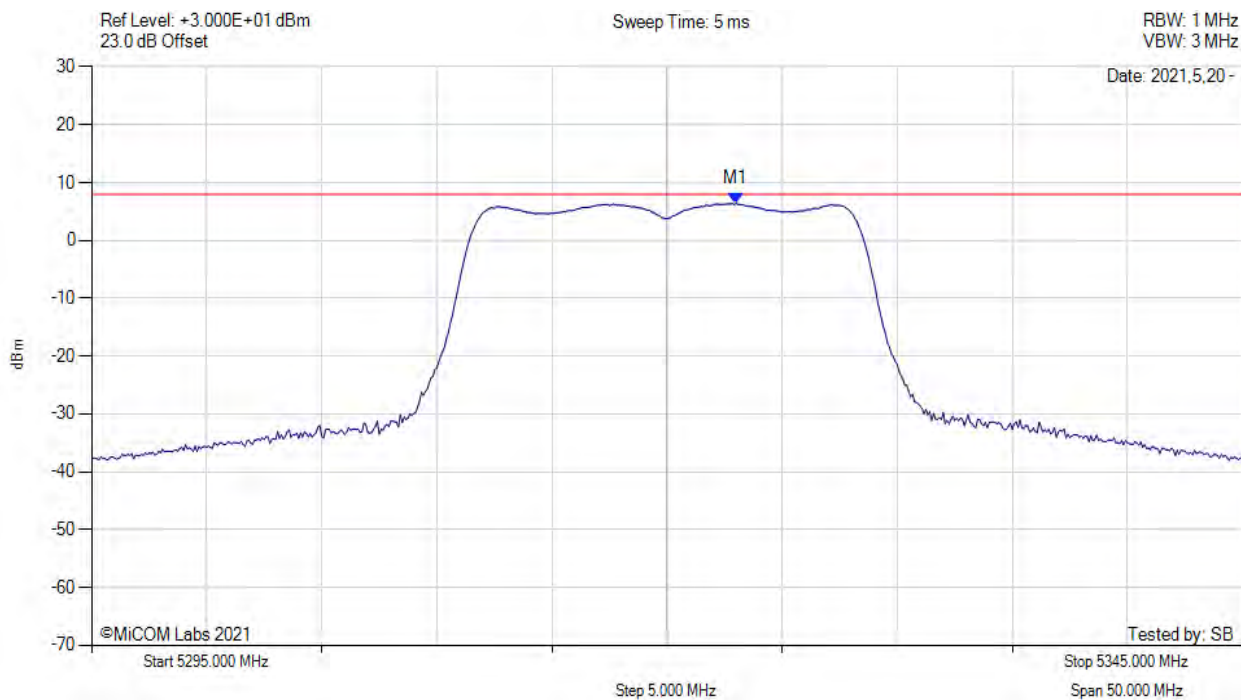
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                         | Test Results                              |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.500 MHz : 10.123 dBm<br>M1 + DCCF : 5297.500 MHz : 10.167 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 11.0$ dBm<br>Margin: -0.8 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



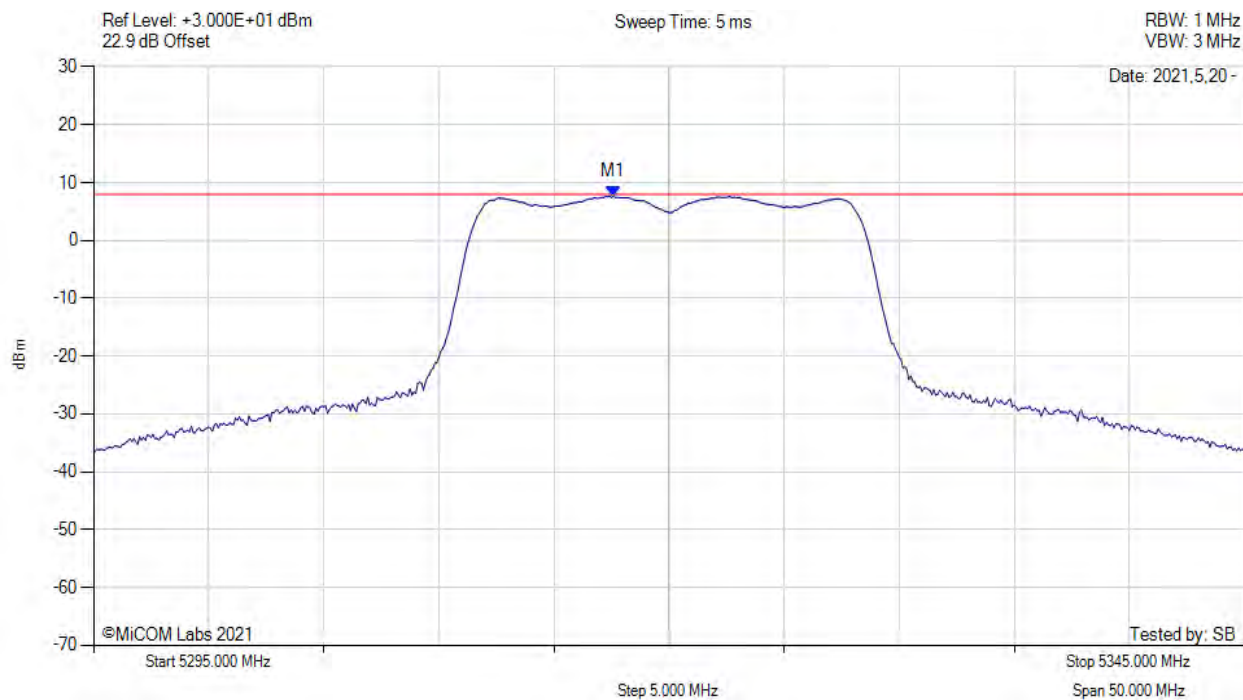
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5323.000 MHz : 6.408 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



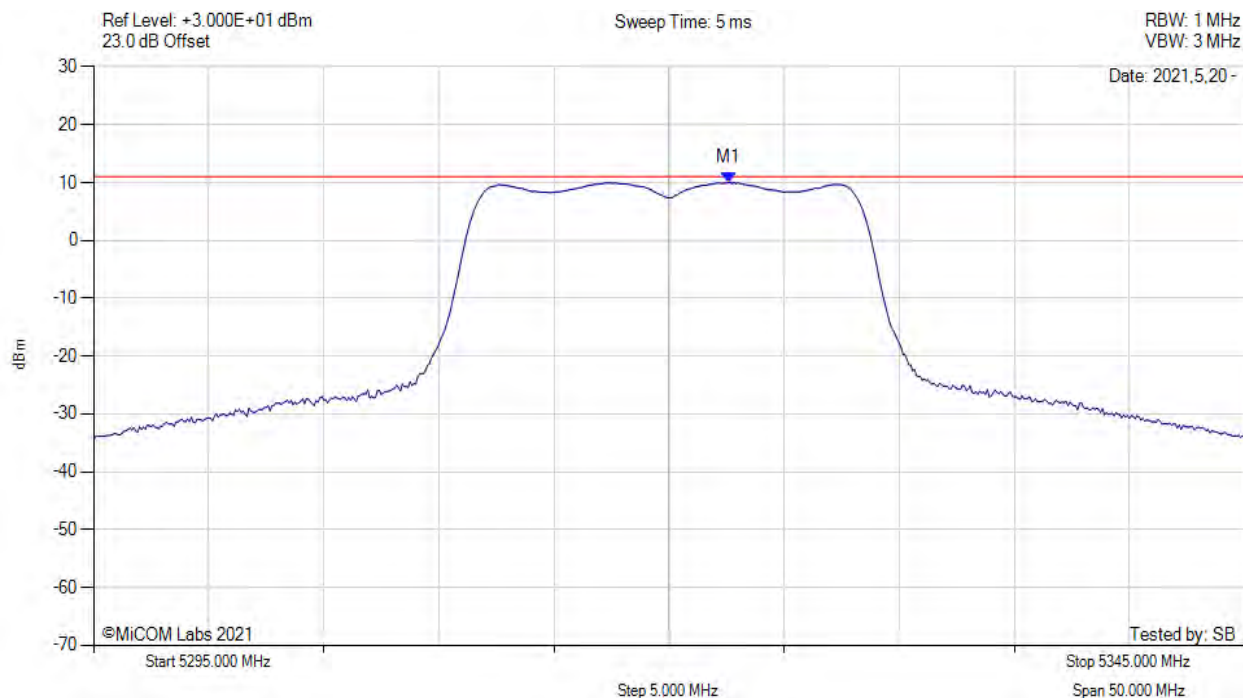
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5317.580 MHz : 7.636 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



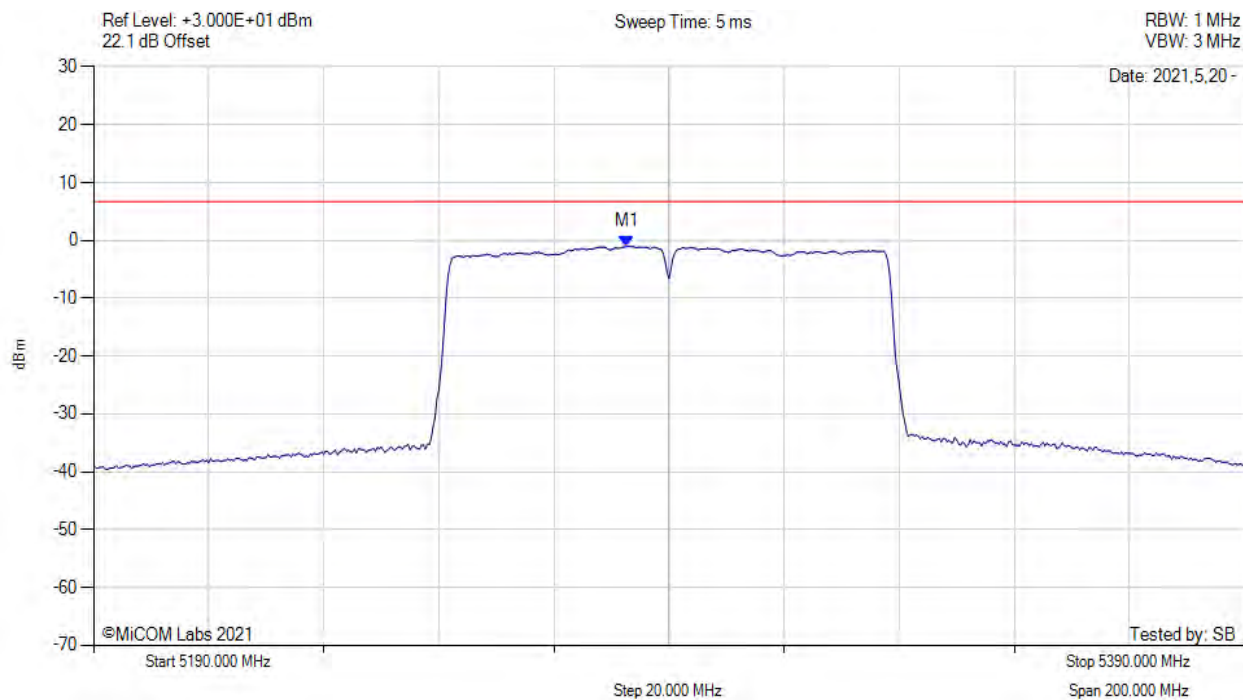
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                         | Test Results                              |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5322.600 MHz : 10.022 dBm<br>M1 + DCCF : 5322.600 MHz : 10.066 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 11.0$ dBm<br>Margin: -0.9 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



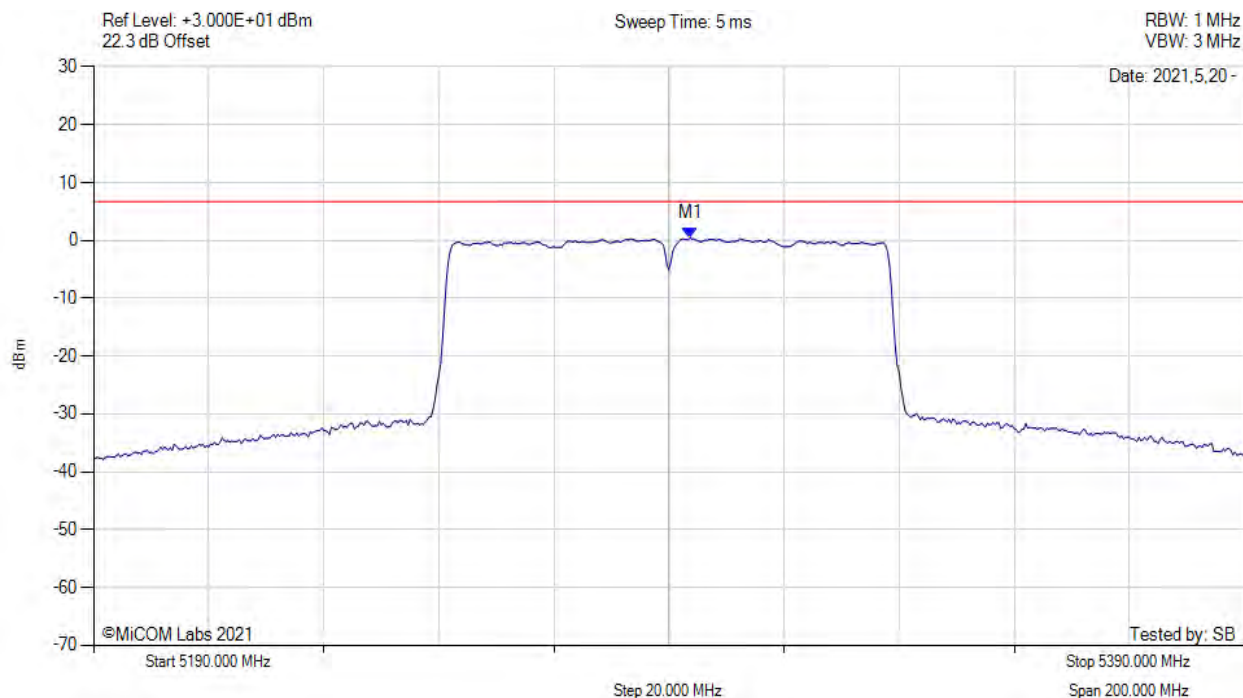
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results       |
|----------------------------------------------------------------------------------|--------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5282.700 MHz : -1.015 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



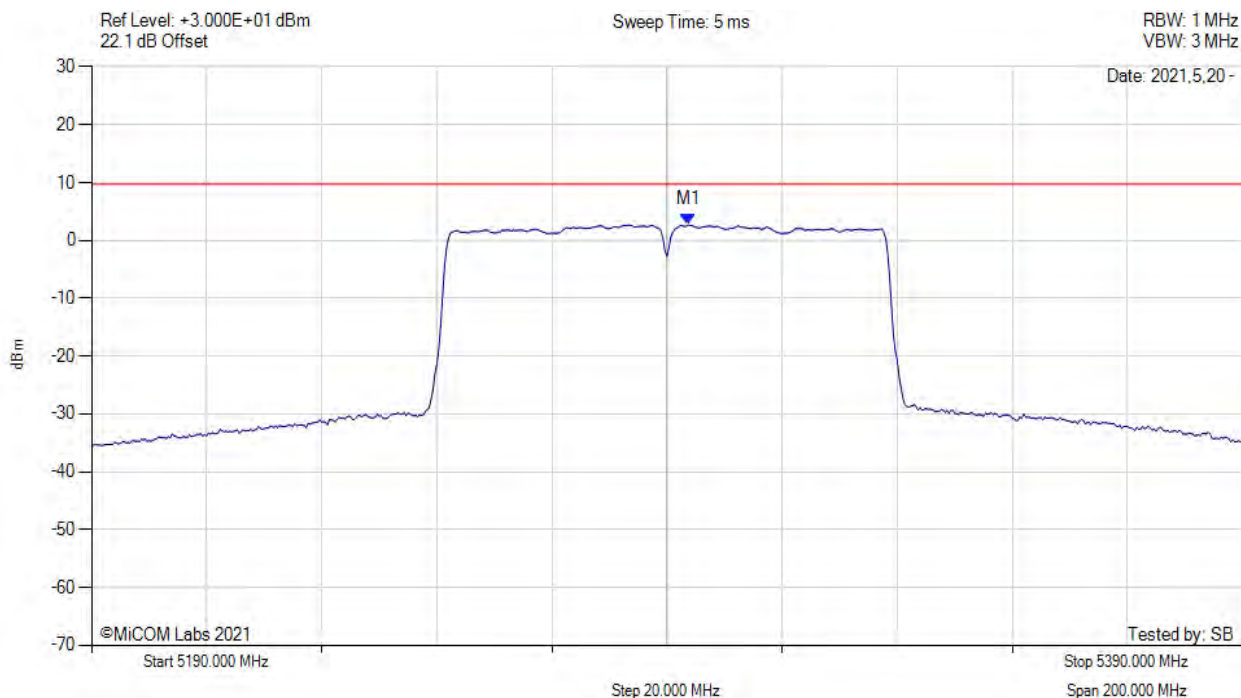
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5293.700 MHz : 0.419 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



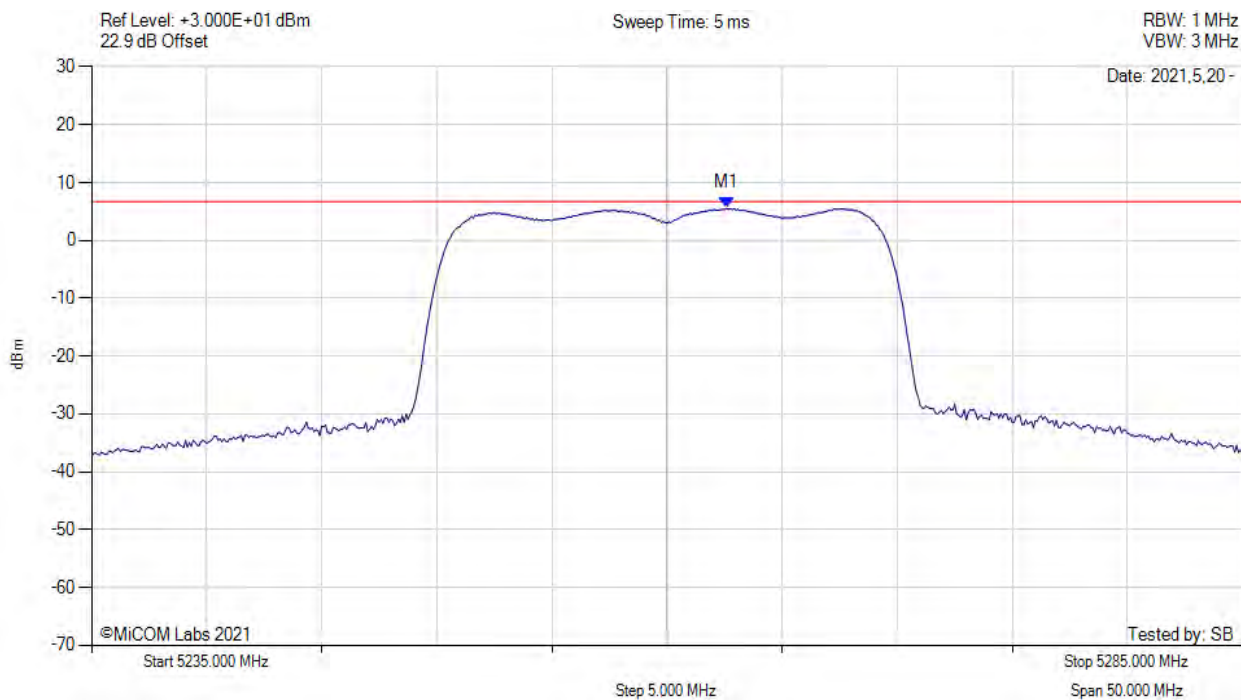
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5293.700 MHz : 2.701 dBm<br>M1 + DCCF : 5293.700 MHz : 2.745 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -7.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



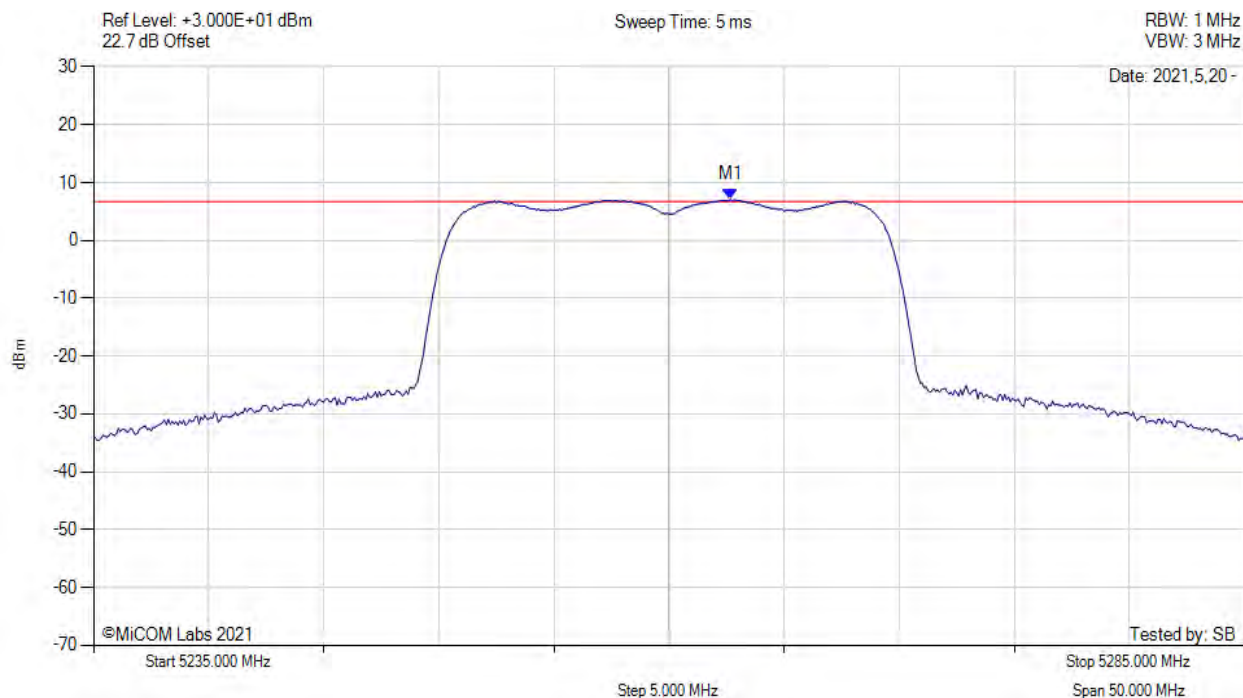
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.580 MHz : 5.548 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



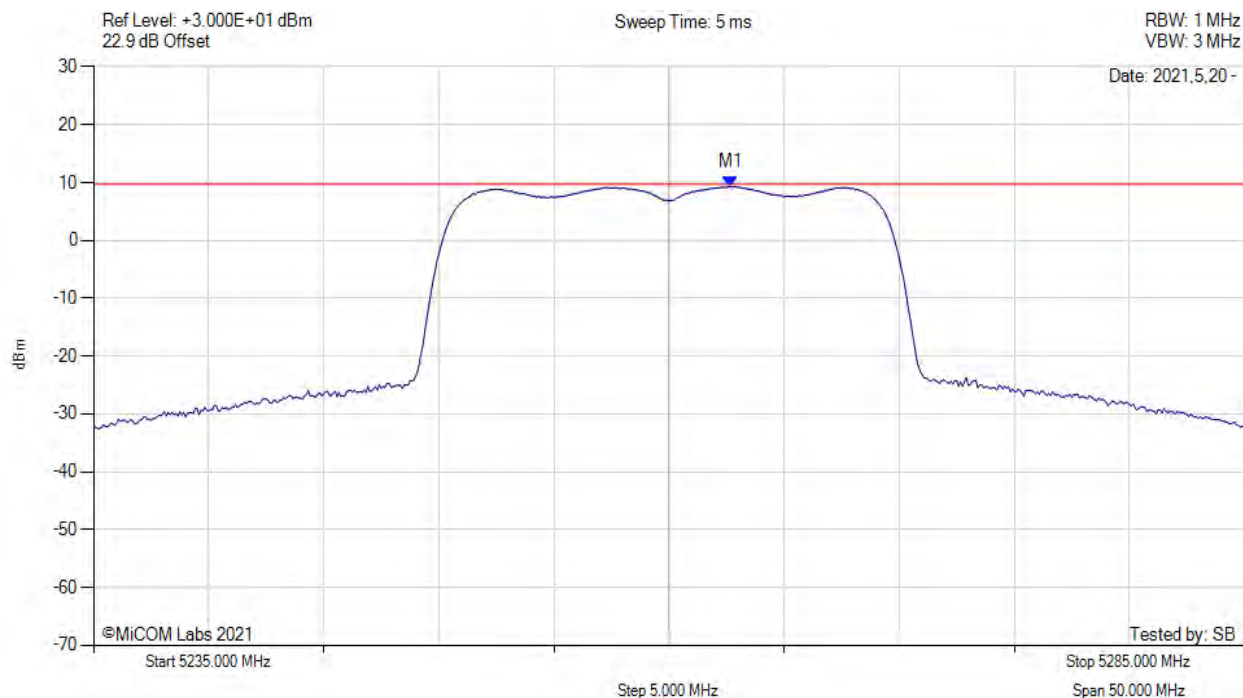
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.670 MHz : 7.059 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



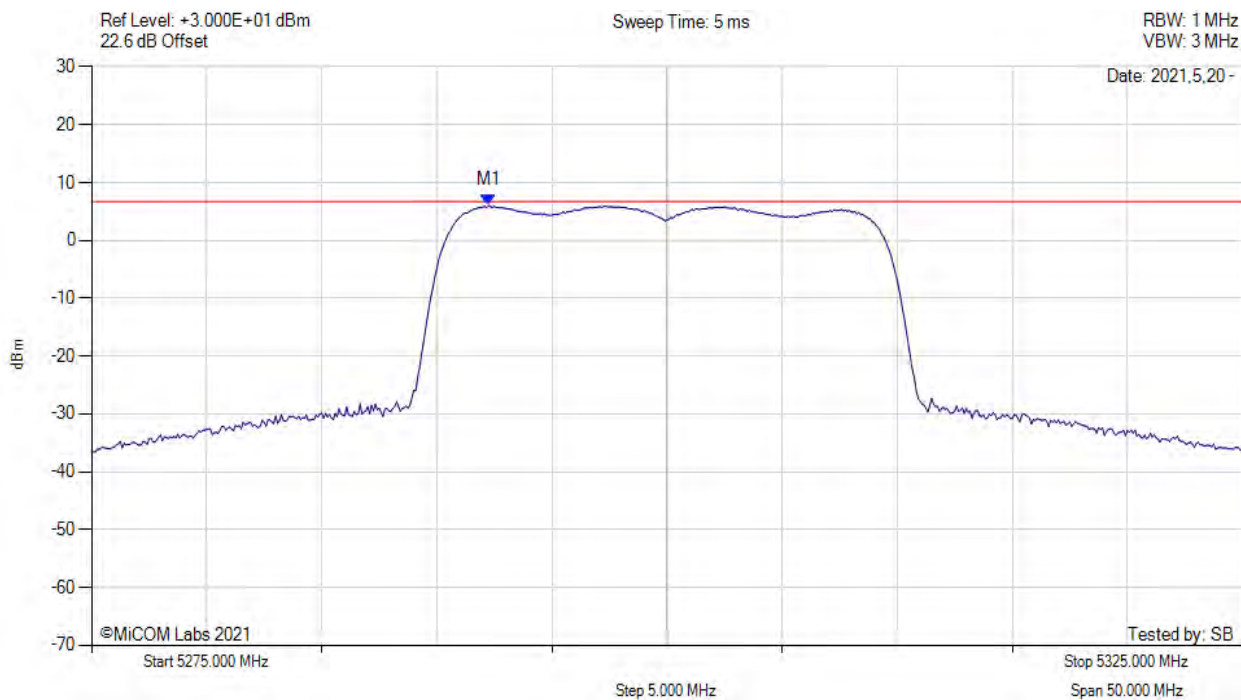
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.700 MHz : 9.300 dBm<br>M1 + DCCF : 5262.700 MHz : 9.344 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



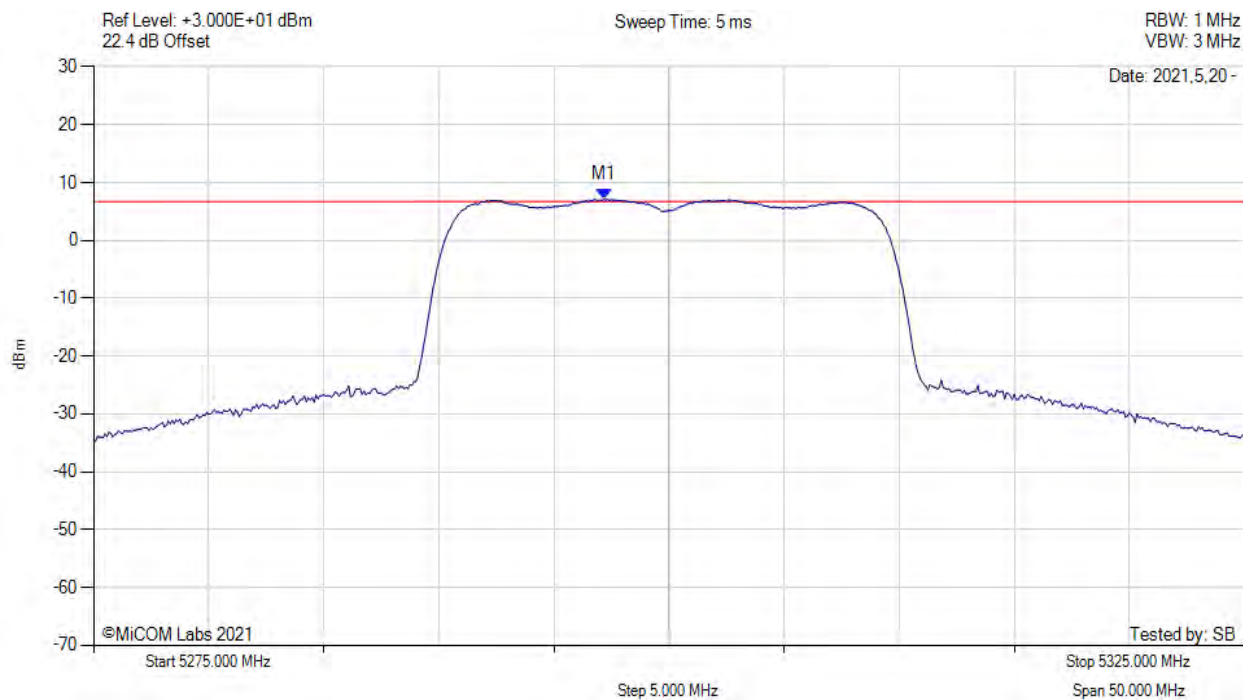
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5292.250 MHz : 6.056 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



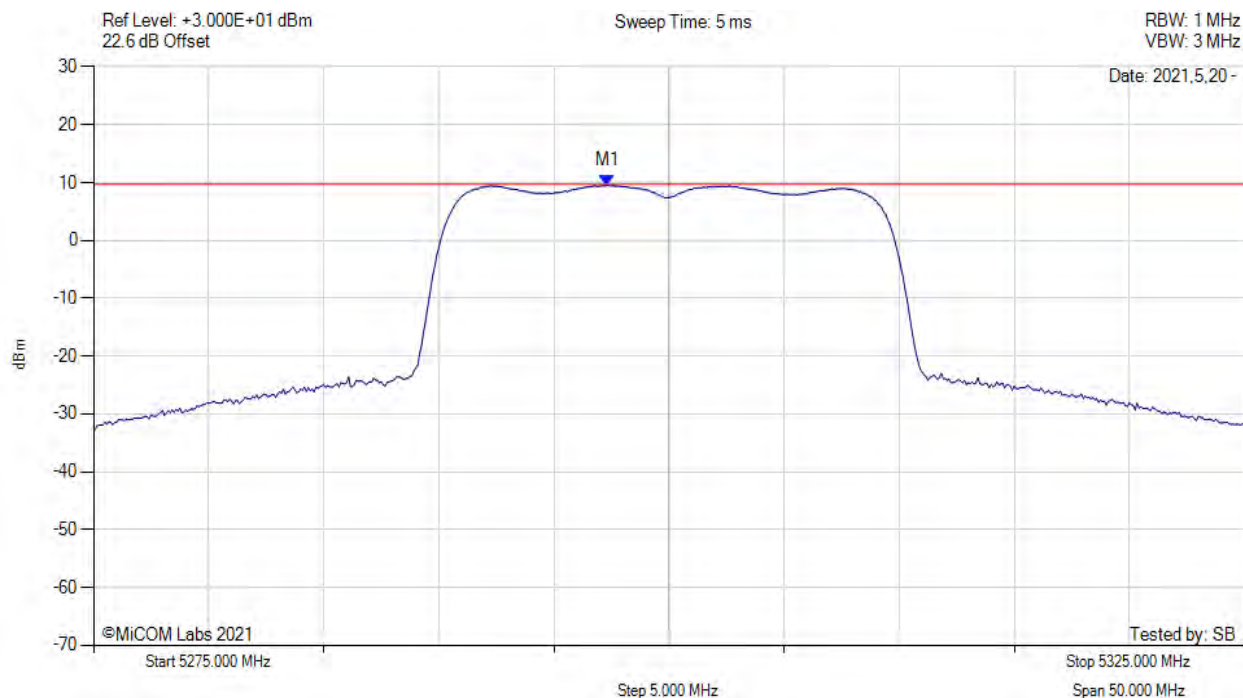
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.170 MHz : 7.125 dBm | Channel Frequency: 5300.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



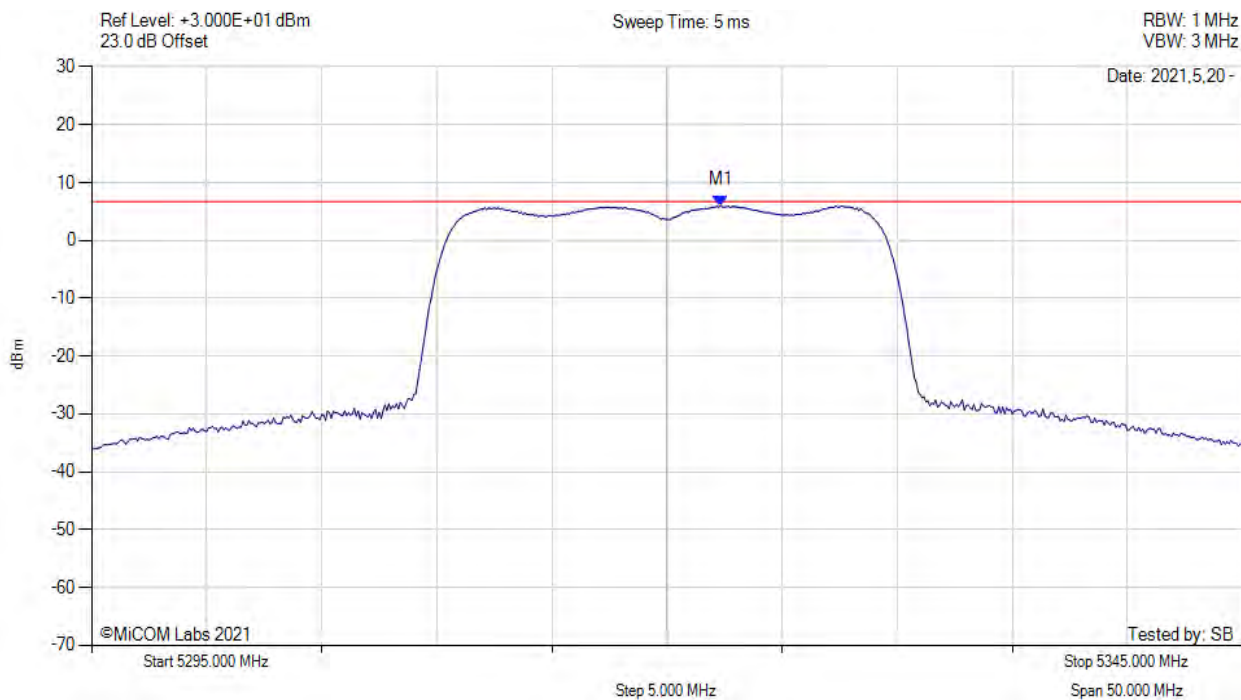
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.300 MHz : 9.543 dBm<br>M1 + DCCF : 5297.300 MHz : 9.587 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



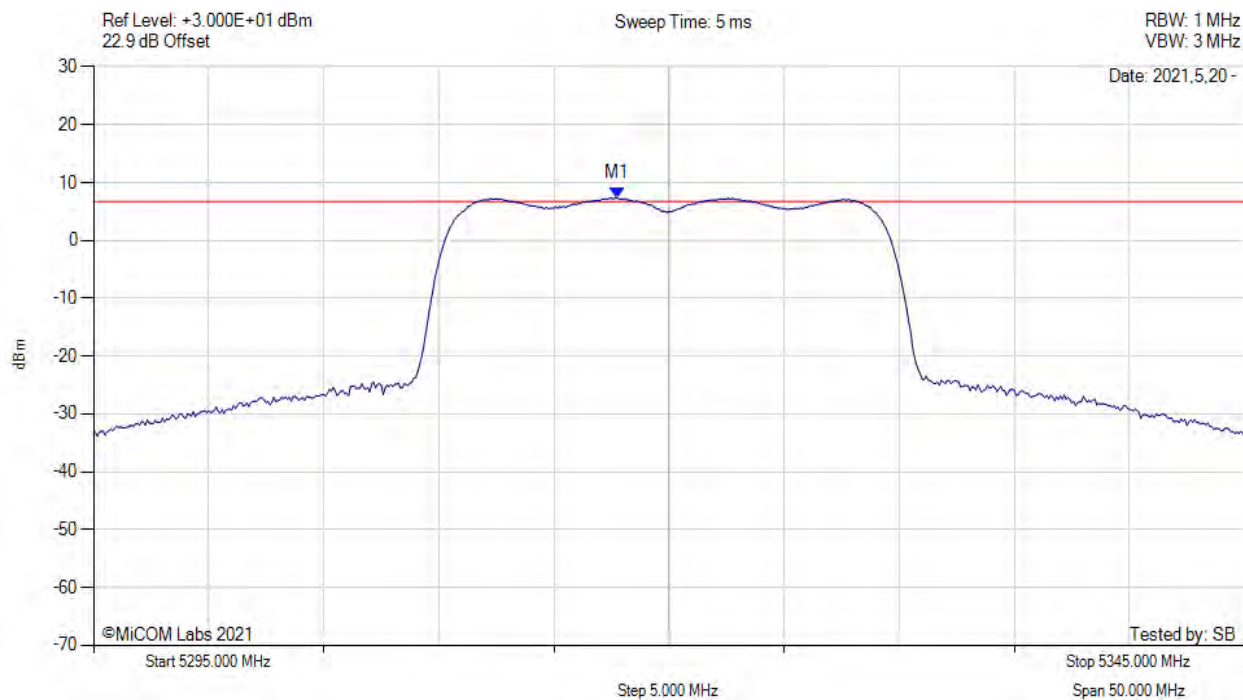
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5322.330 MHz : 6.005 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



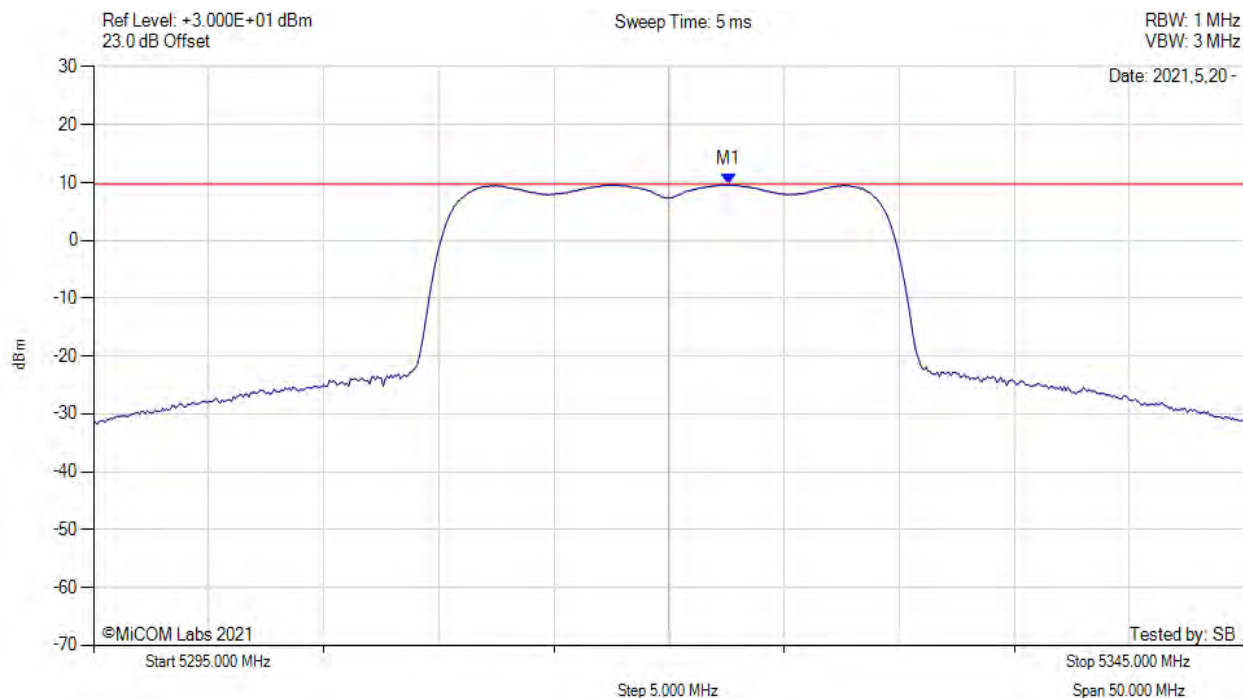
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5317.750 MHz : 7.388 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



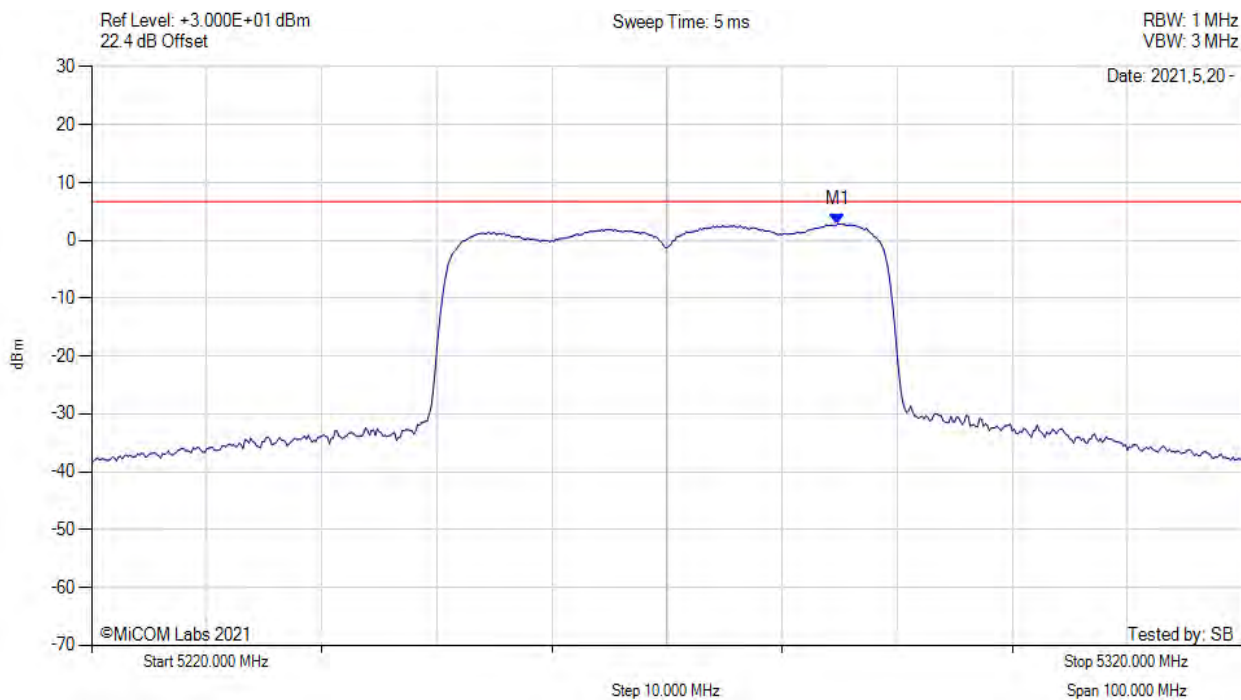
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                            |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5322.600 MHz : 9.618 dBm<br>M1 + DCCF : 5322.600 MHz : 9.662 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: 0.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



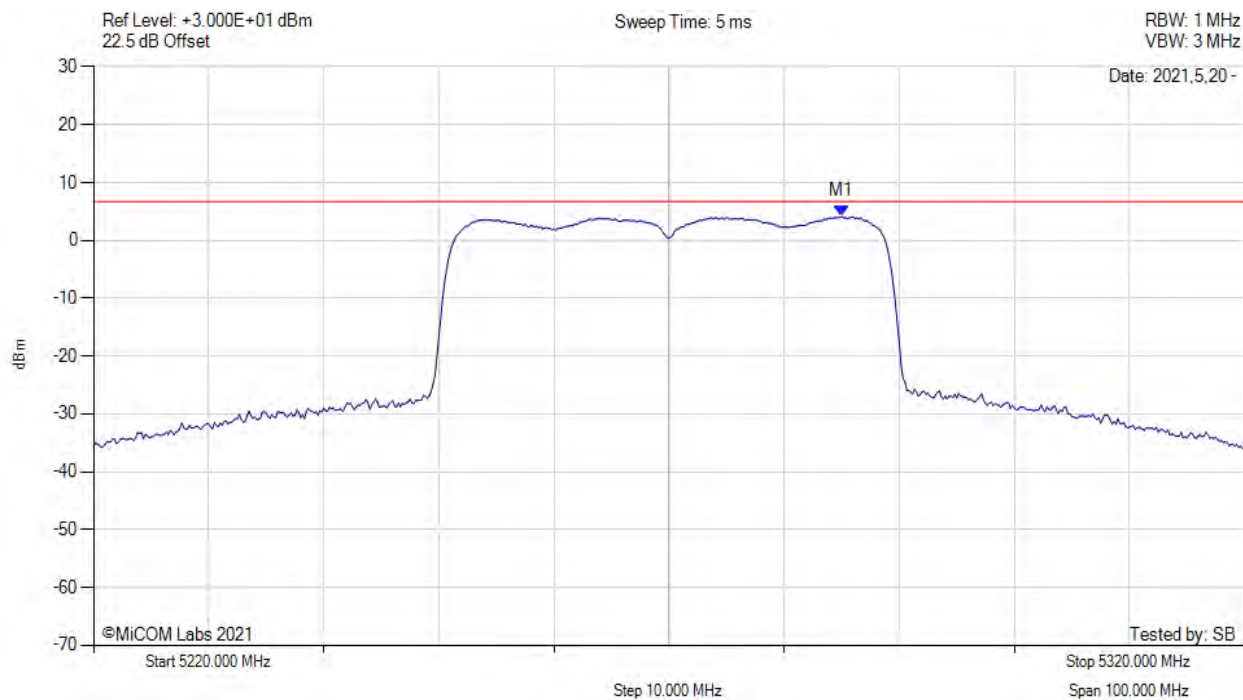
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5284.830 MHz : 2.851 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5270.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



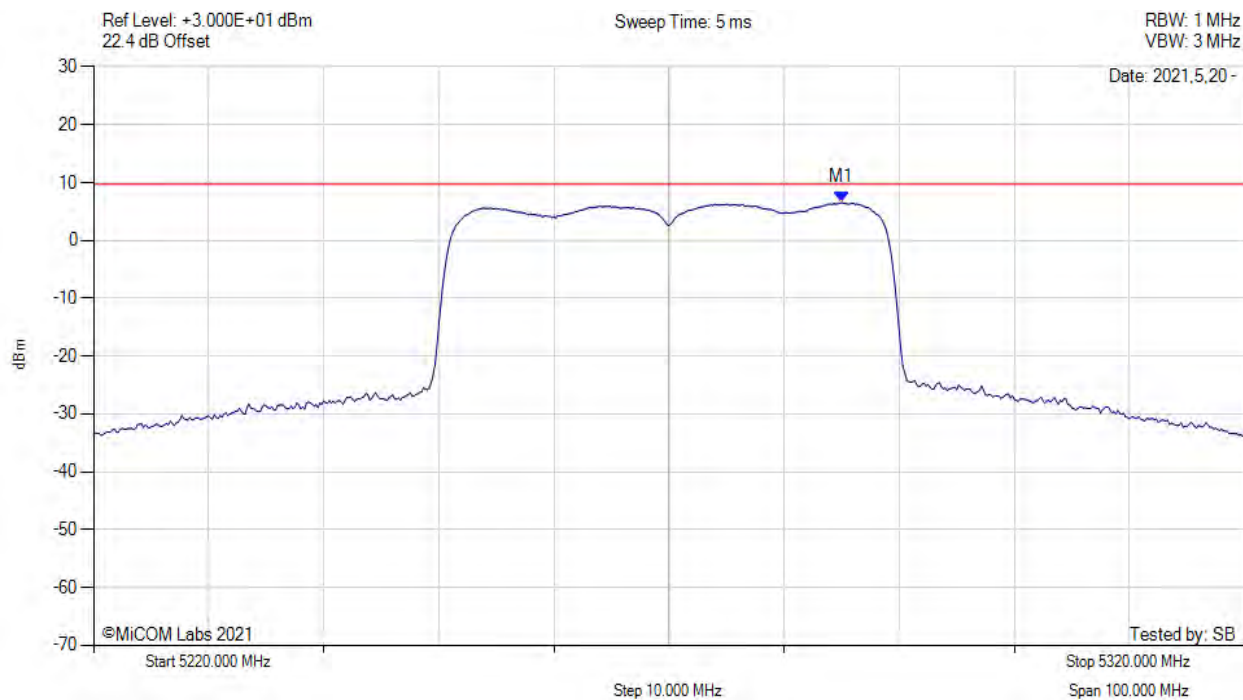
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5285.000 MHz : 4.136 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5270.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



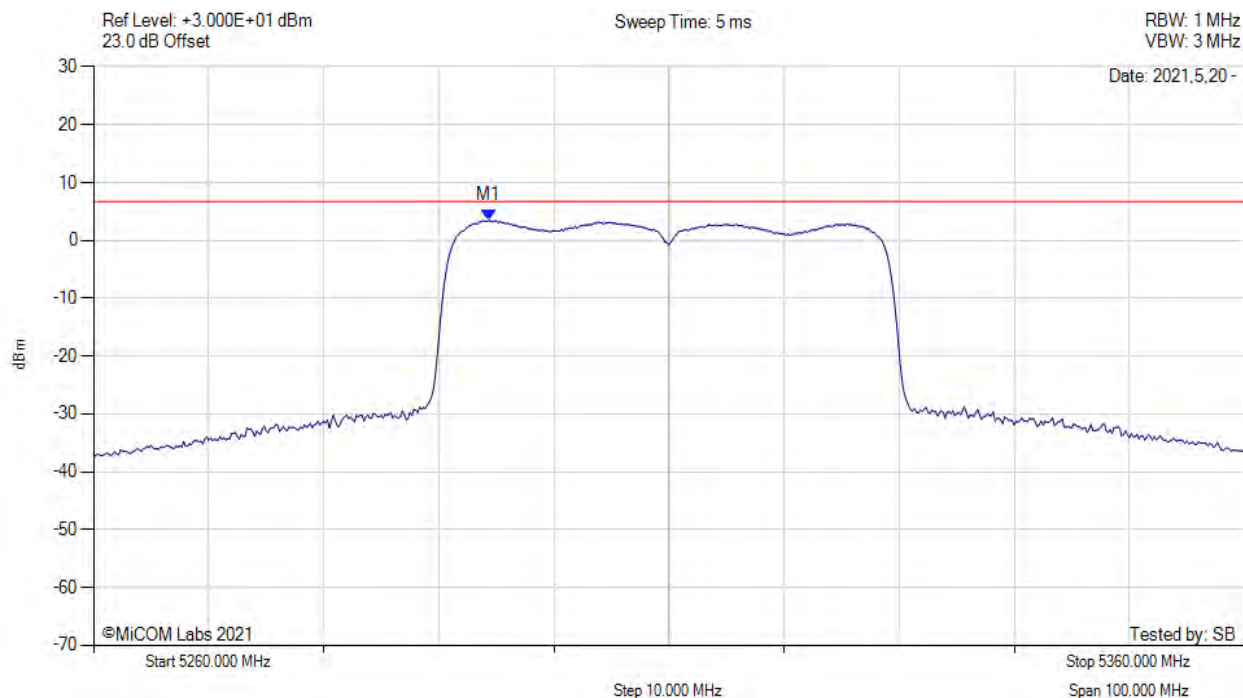
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5285.000 MHz : 6.536 dBm<br>M1 + DCCF : 5285.000 MHz : 6.580 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -3.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



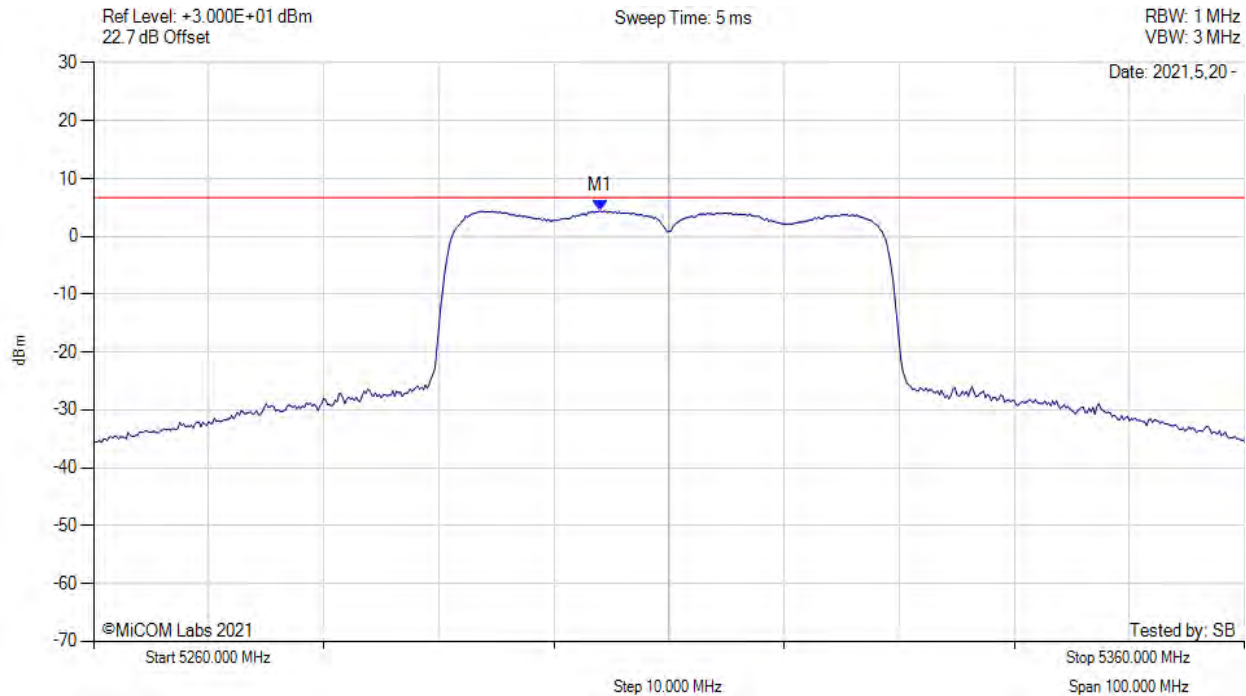
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5294.330 MHz : 3.433 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5310.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



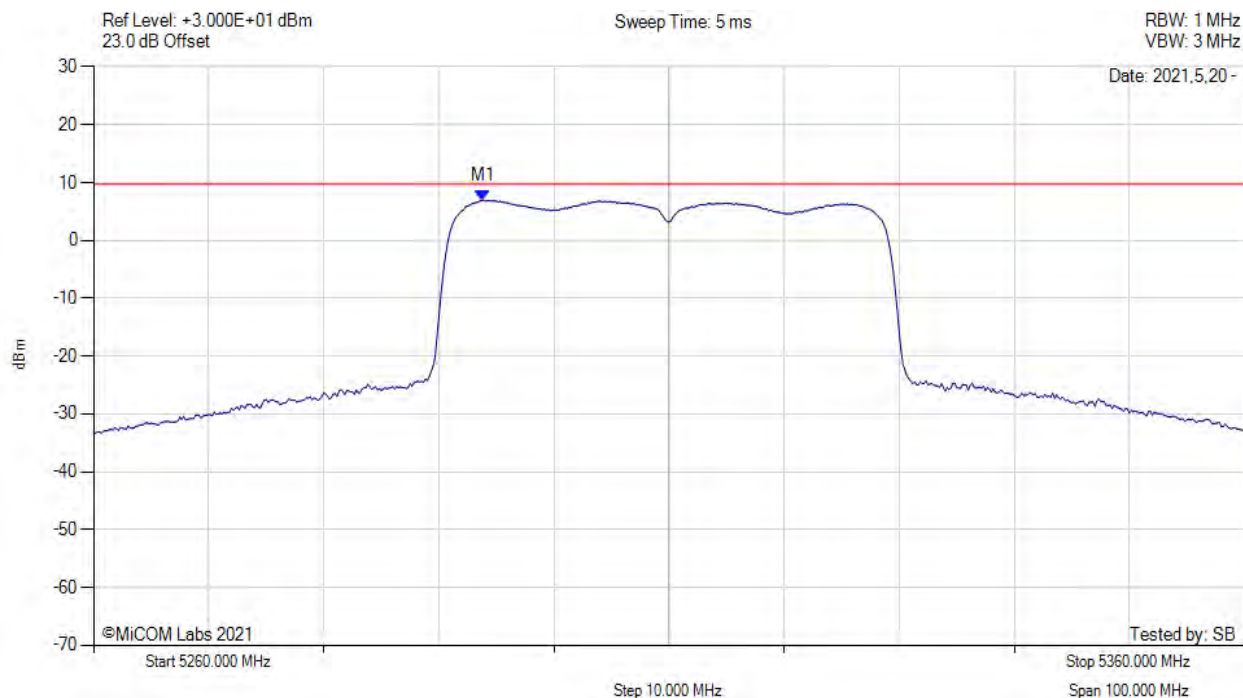
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5304.000 MHz : 4.442 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5310.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



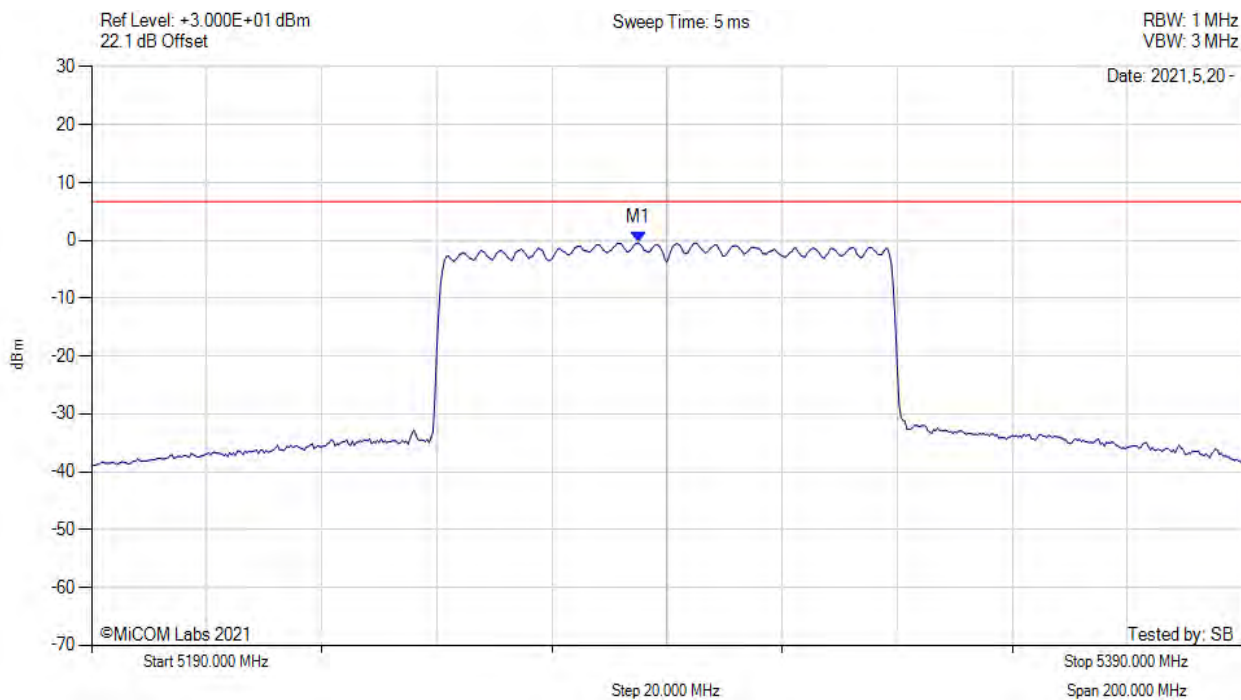
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5293.800 MHz : 6.923 dBm<br>M1 + DCCF : 5293.800 MHz : 6.967 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -2.7 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



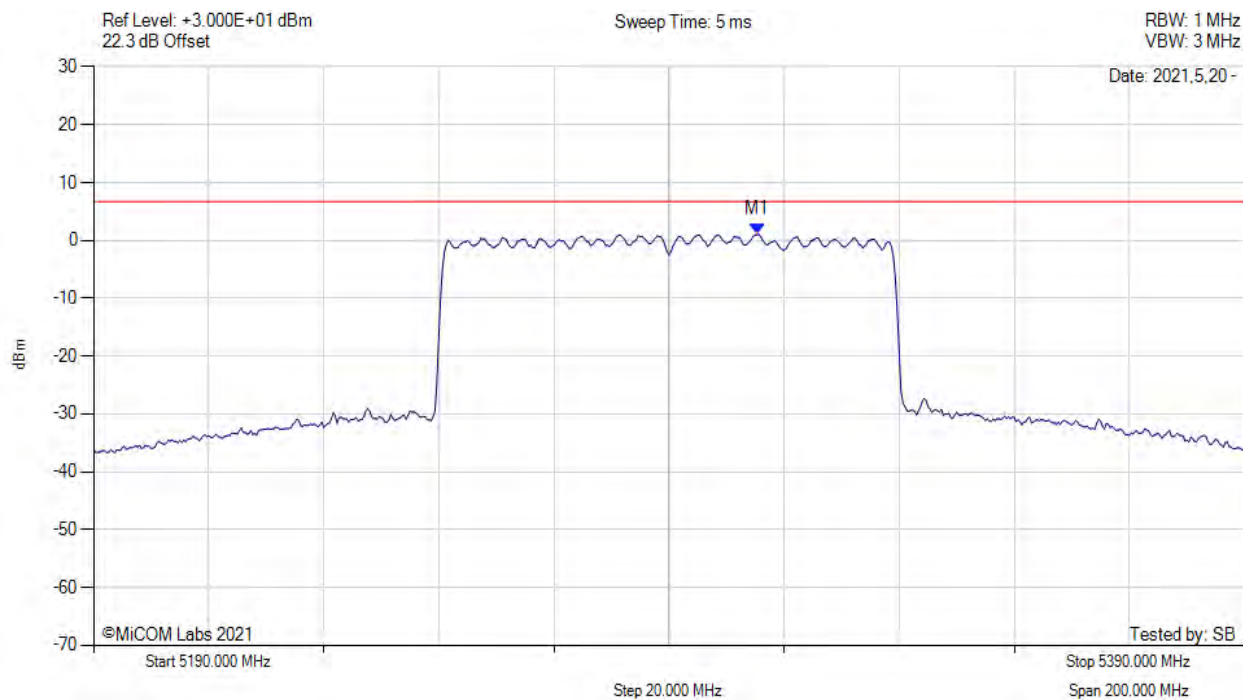
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results       |
|----------------------------------------------------------------------------------|--------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5285.000 MHz : -0.417 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5290.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



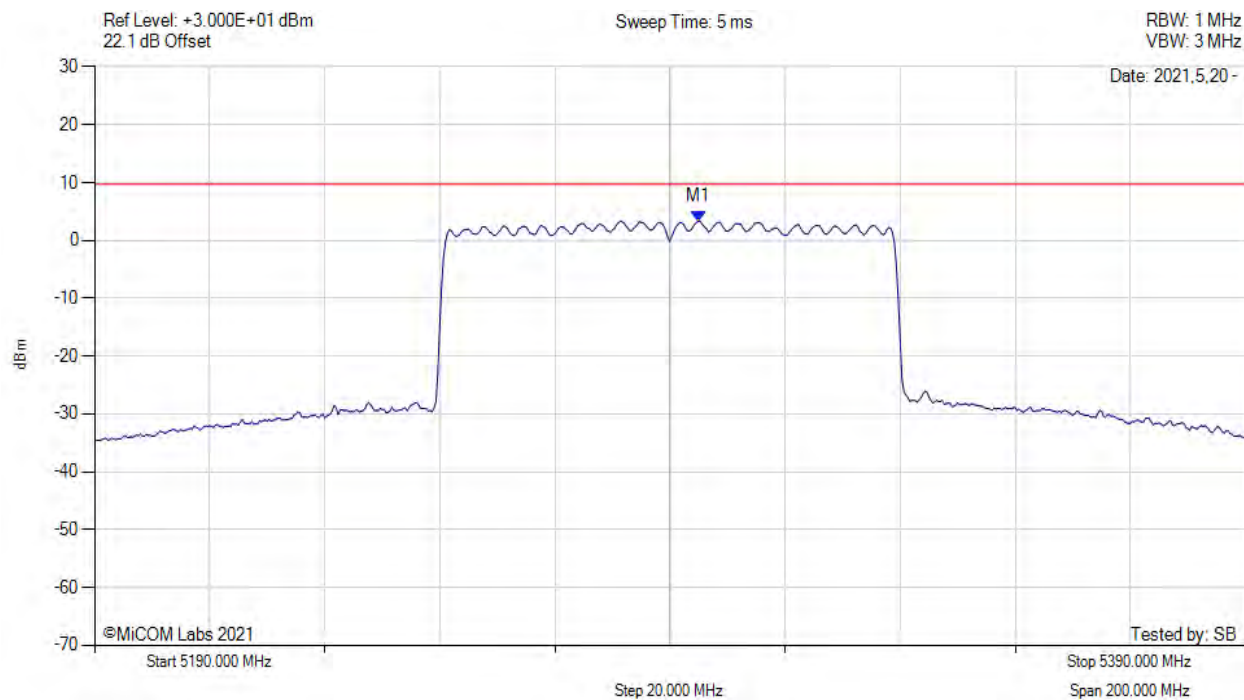
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5305.300 MHz : 1.031 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



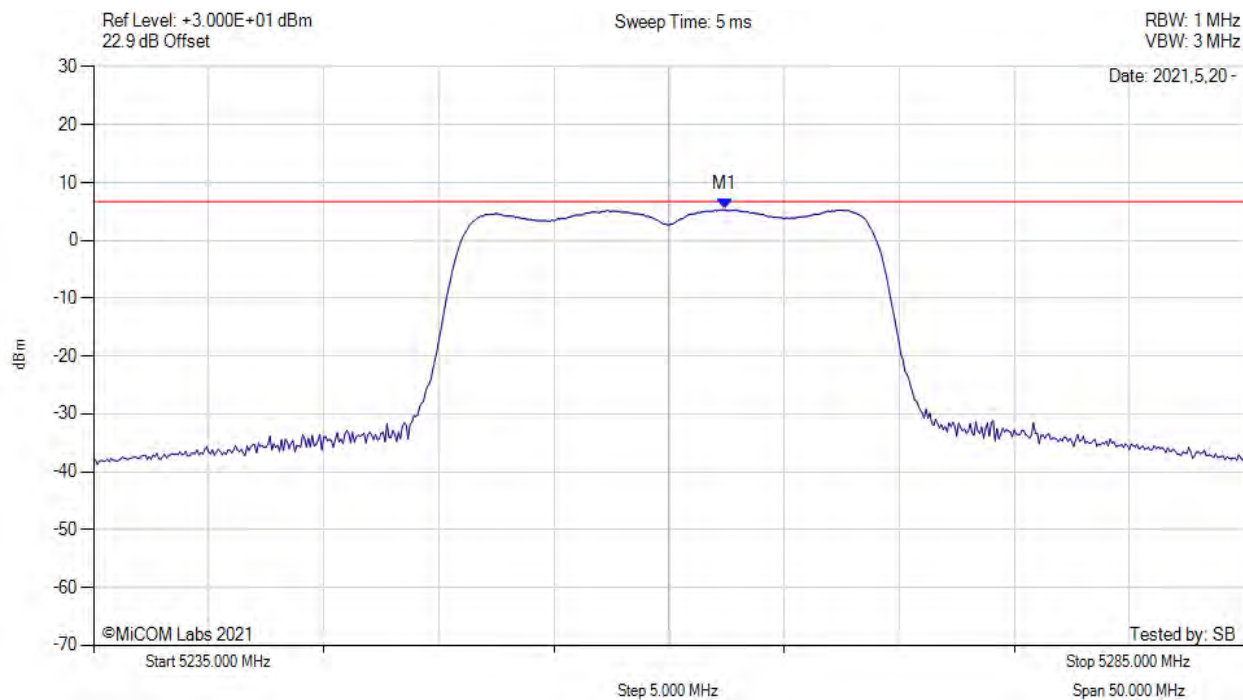
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5295.000 MHz : 3.319 dBm<br>M1 + DCCF : 5295.000 MHz : 3.496 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -6.2 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



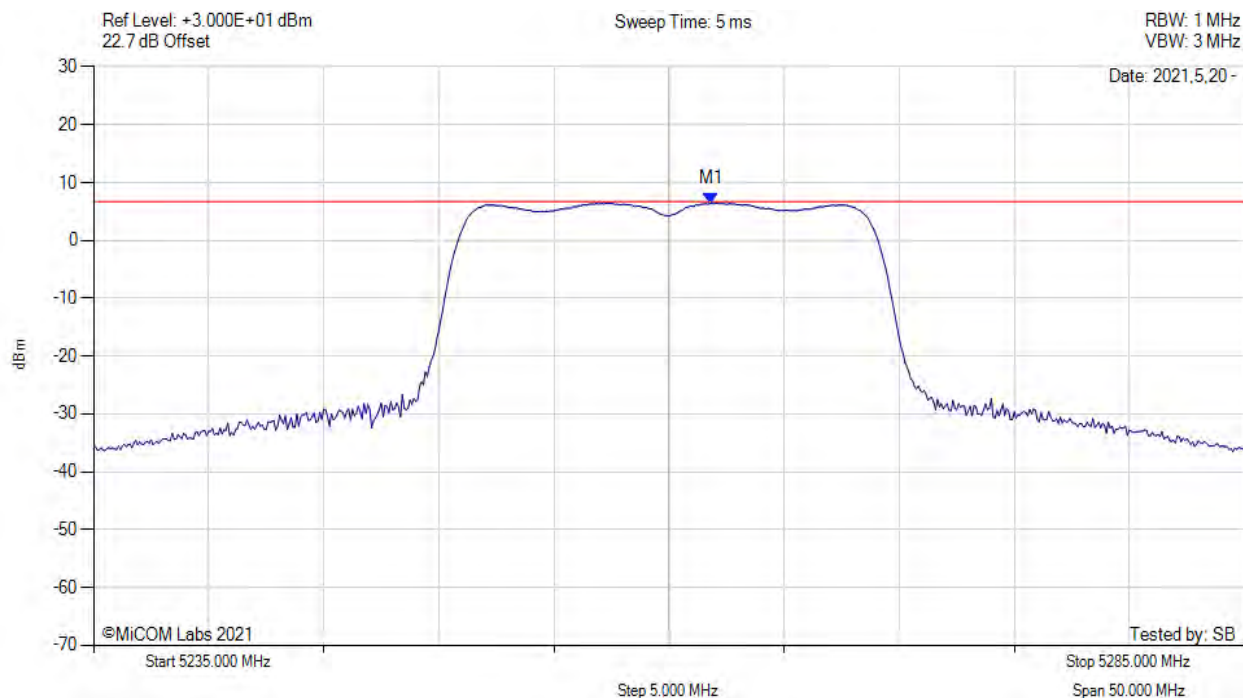
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.420 MHz : 5.315 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



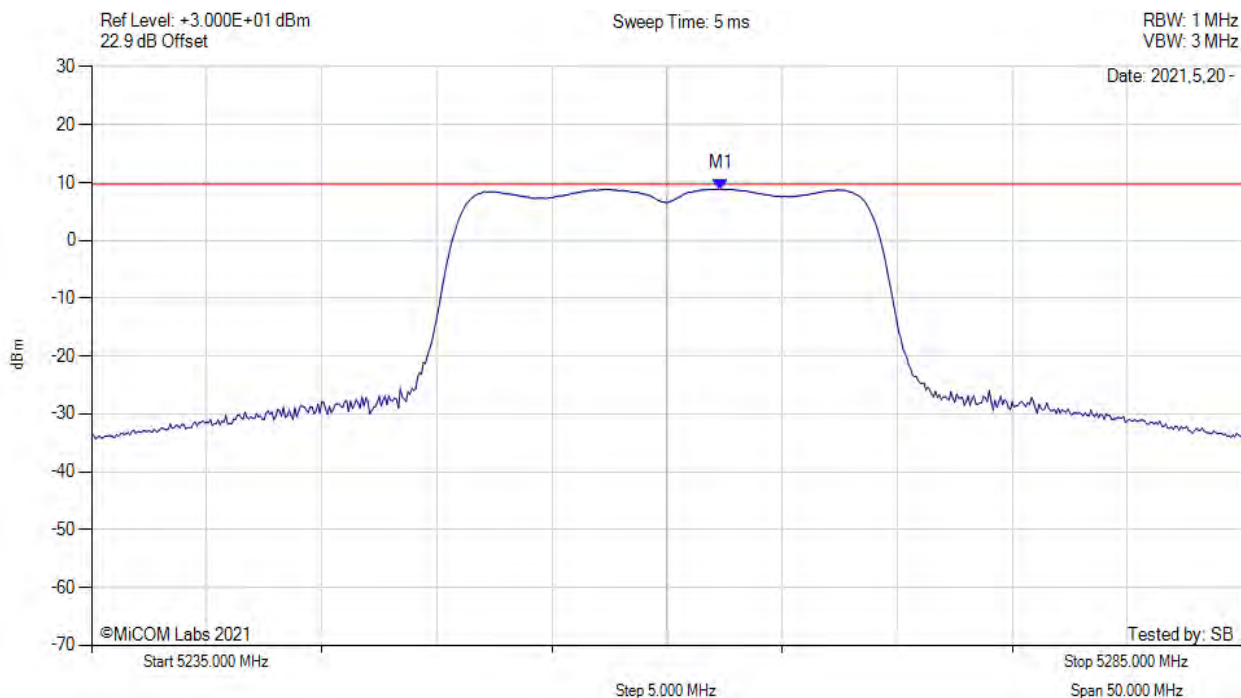
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5261.830 MHz : 6.464 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



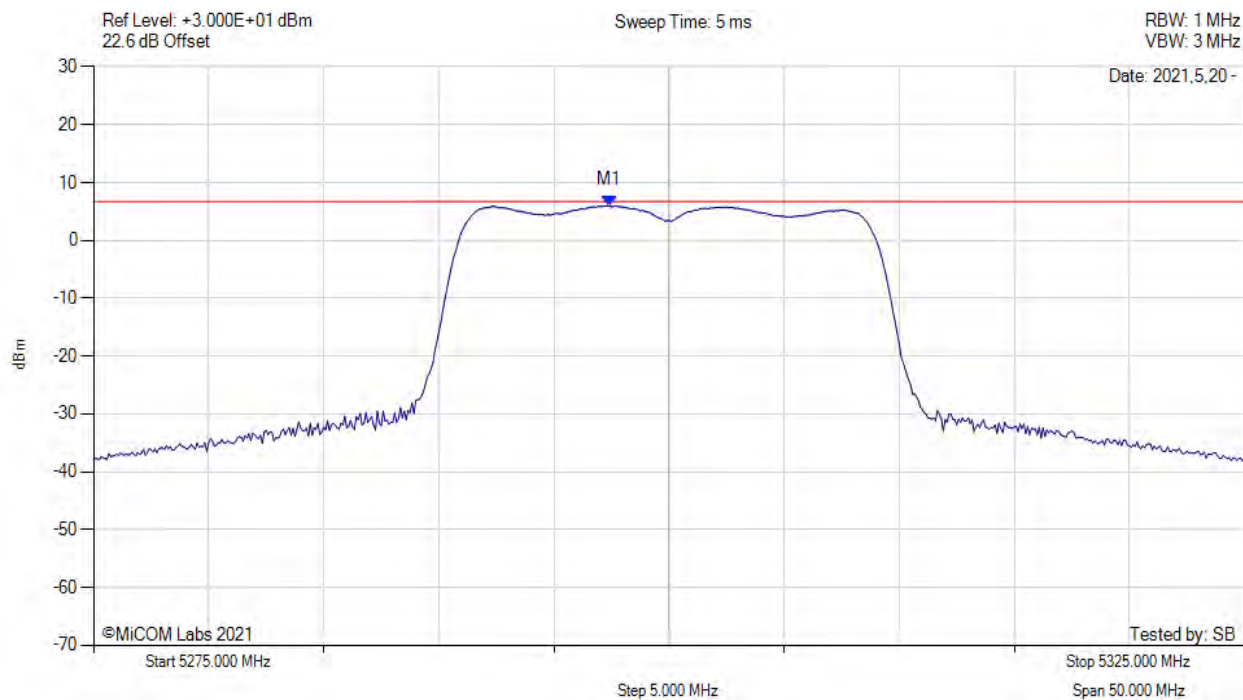
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5262.300 MHz : 8.873 dBm<br>M1 + DCCF : 5262.300 MHz : 8.917 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.8 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



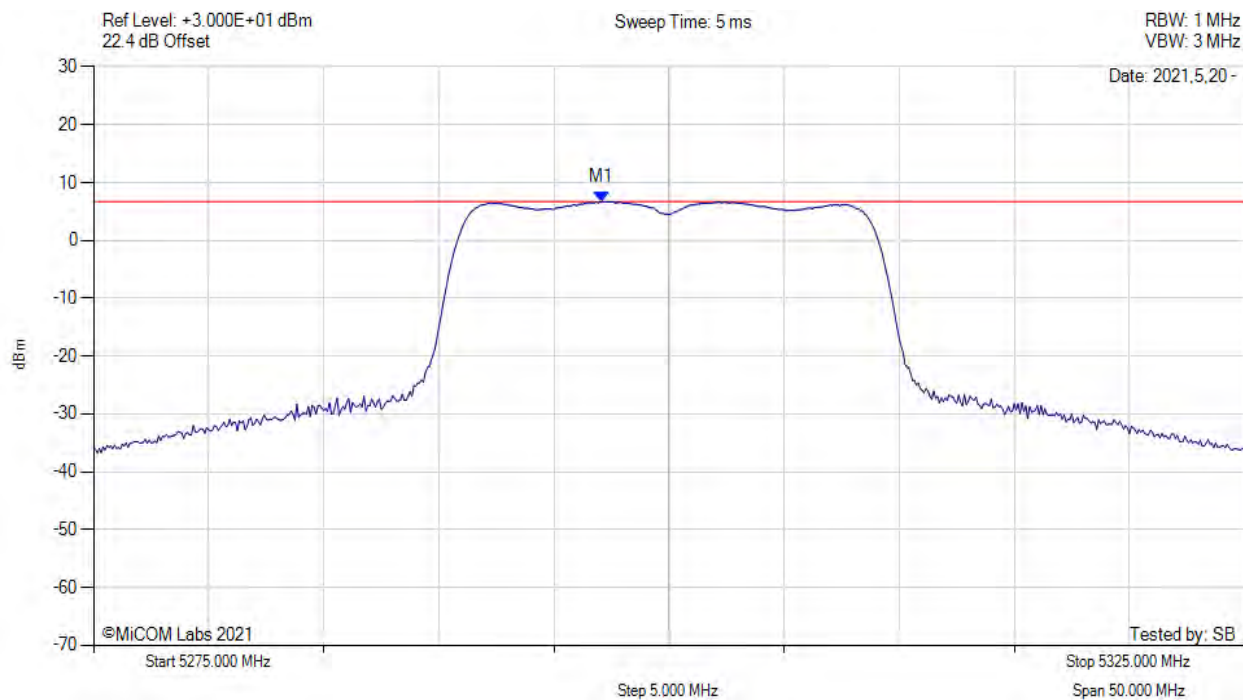
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.420 MHz : 6.014 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



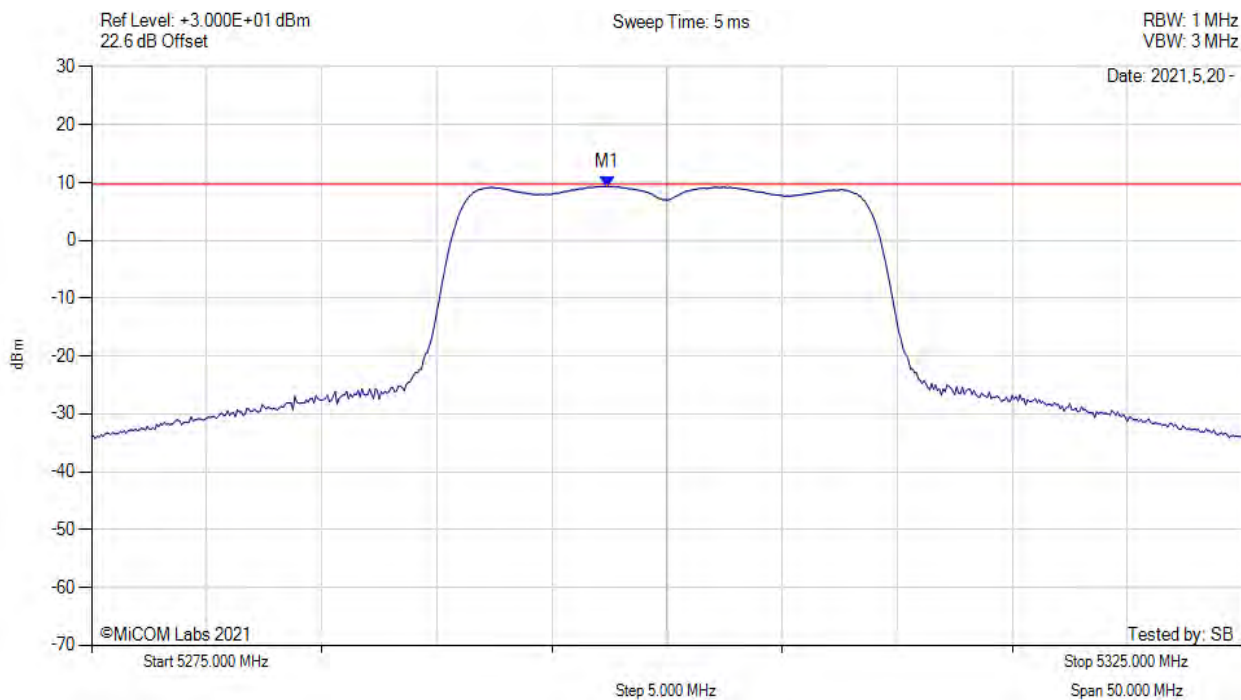
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.080 MHz : 6.699 dBm | Channel Frequency: 5300.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



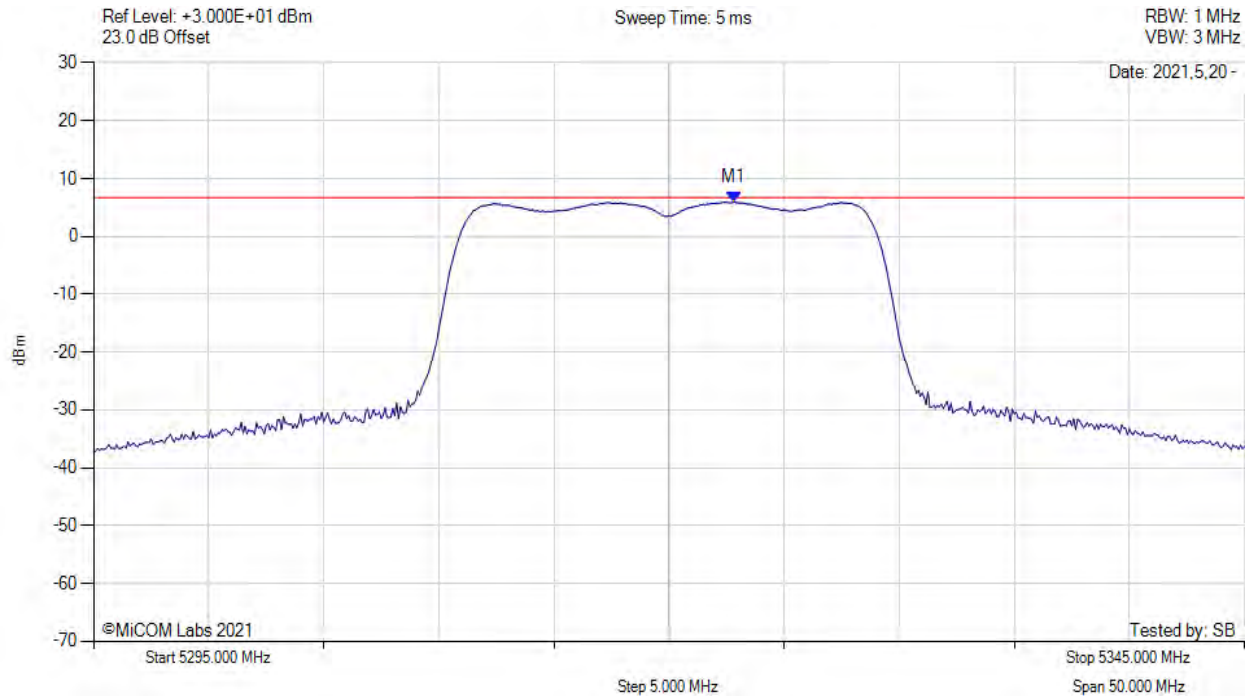
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5297.400 MHz : 9.342 dBm<br>M1 + DCCF : 5297.400 MHz : 9.386 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



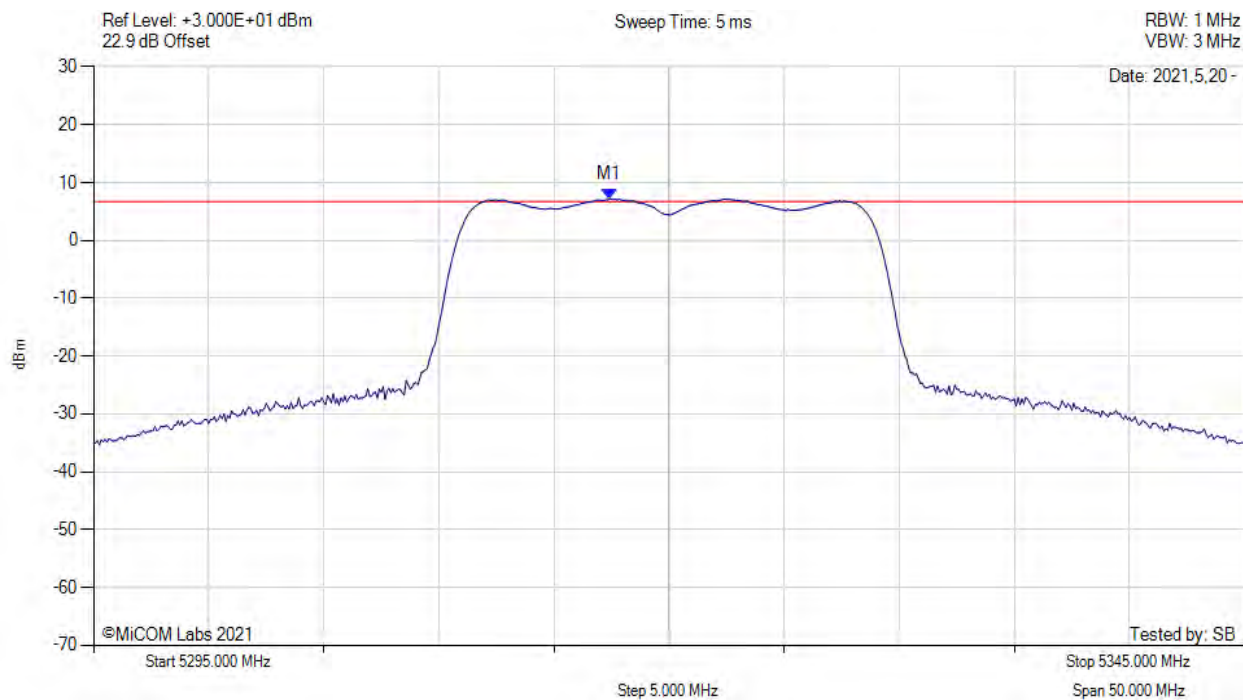
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5322.830 MHz : 5.937 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



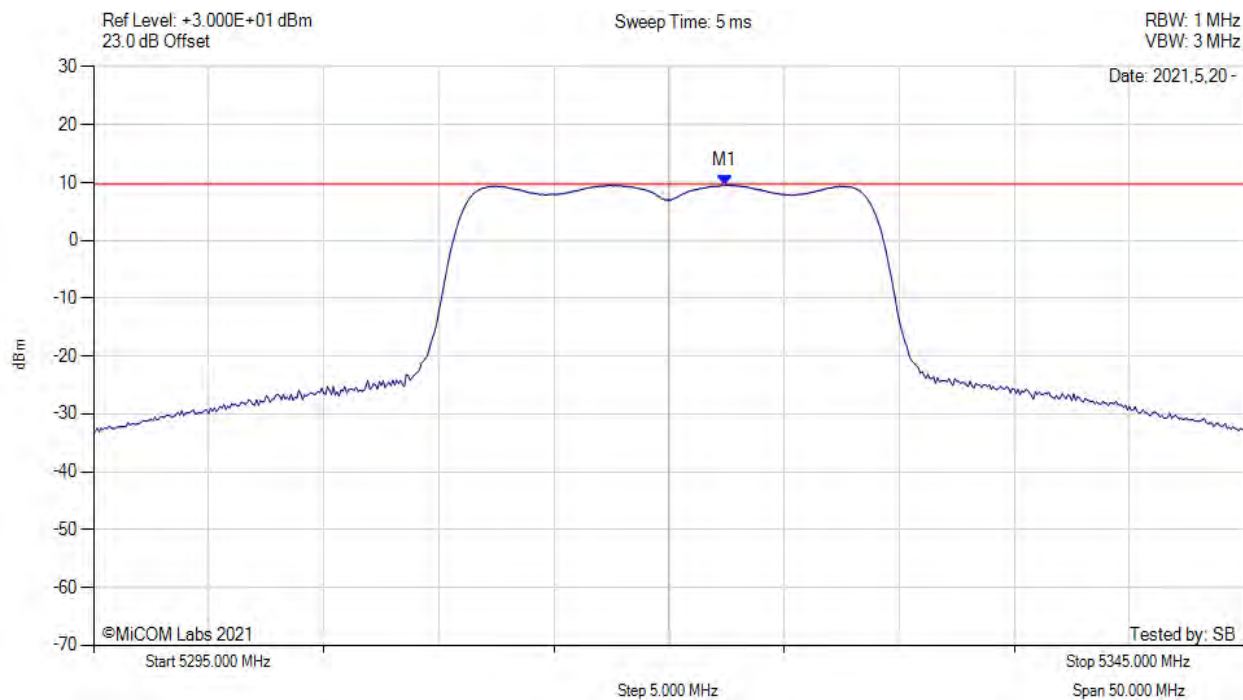
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5317.420 MHz : 7.169 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



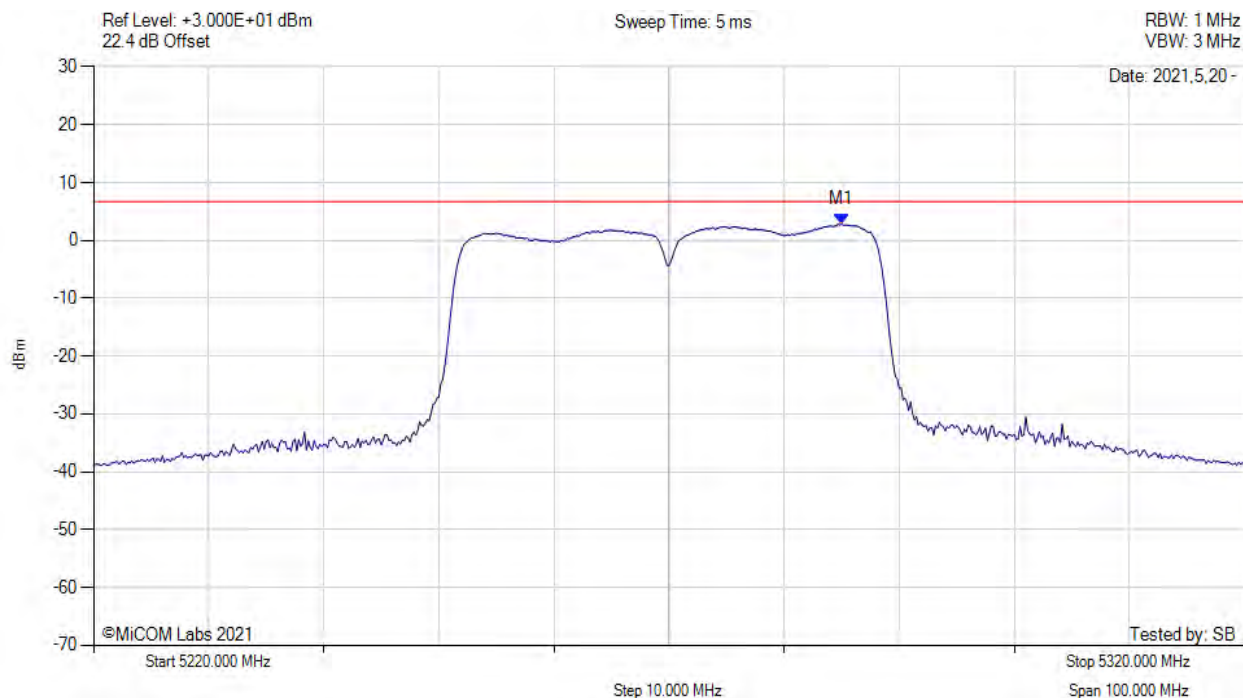
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5322.400 MHz : 9.575 dBm<br>M1 + DCCF : 5322.400 MHz : 9.619 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



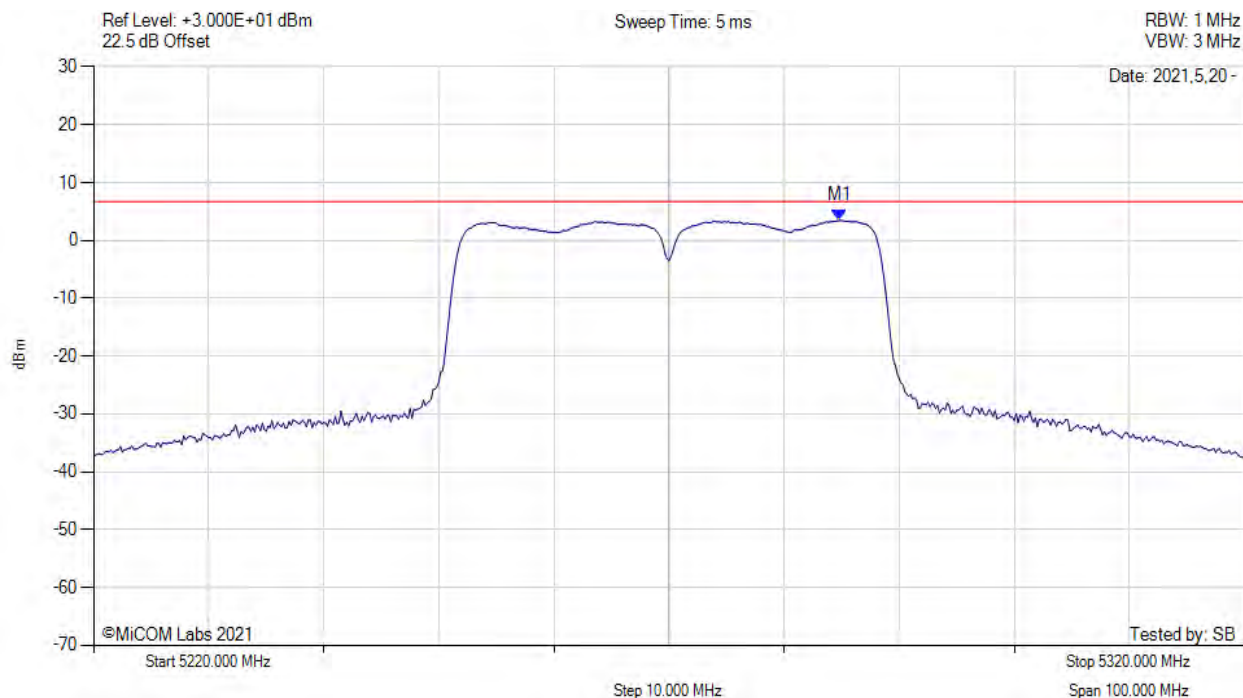
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5285.000 MHz : 2.776 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



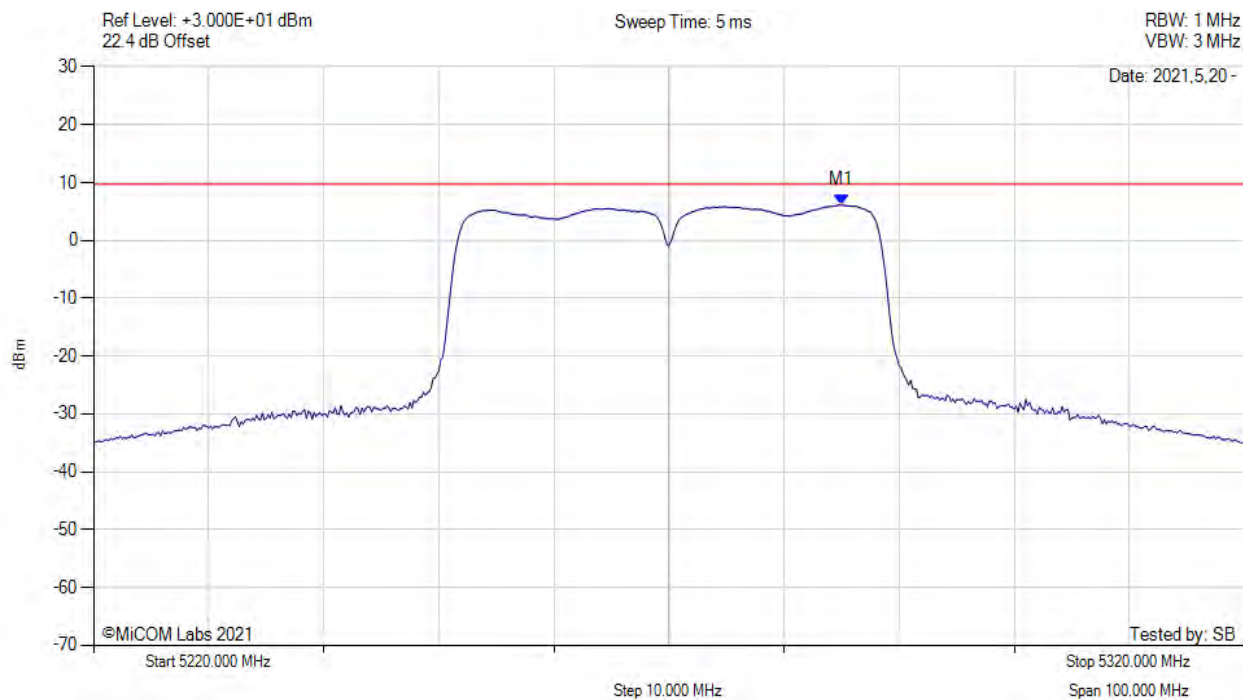
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5284.830 MHz : 3.462 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5270.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



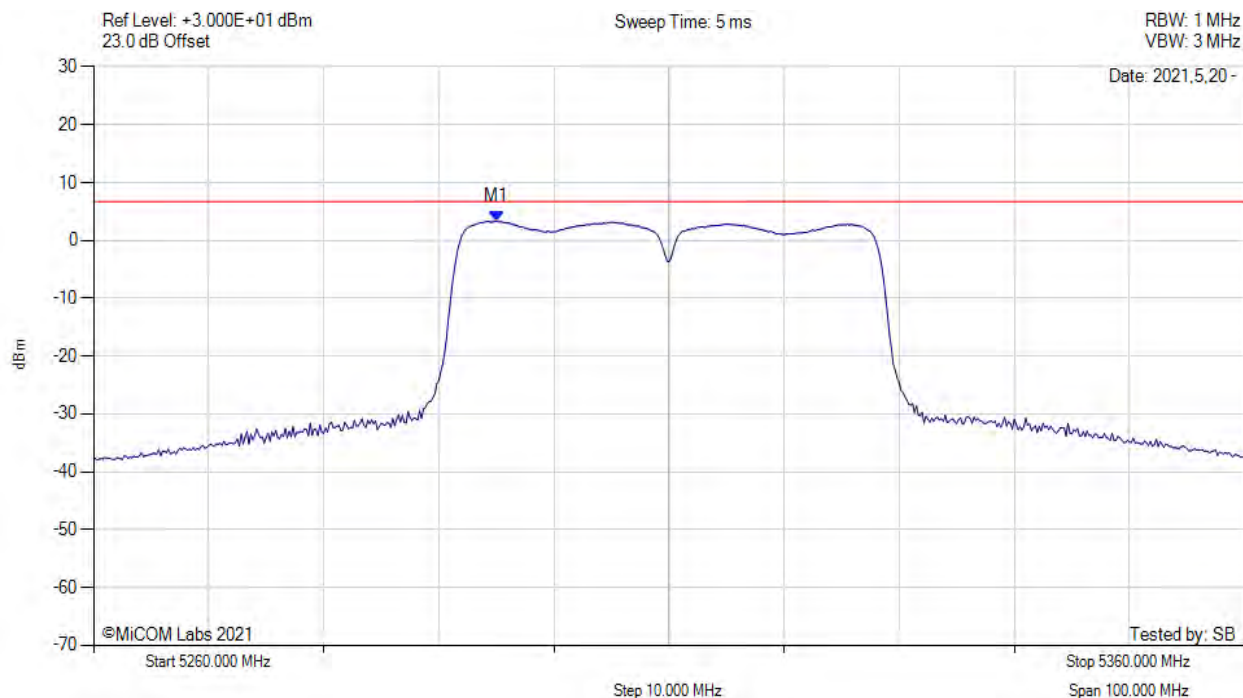
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5285.000 MHz : 6.129 dBm<br>M1 + DCCF : 5285.000 MHz : 6.173 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 9.7 dBm<br>Margin: -3.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



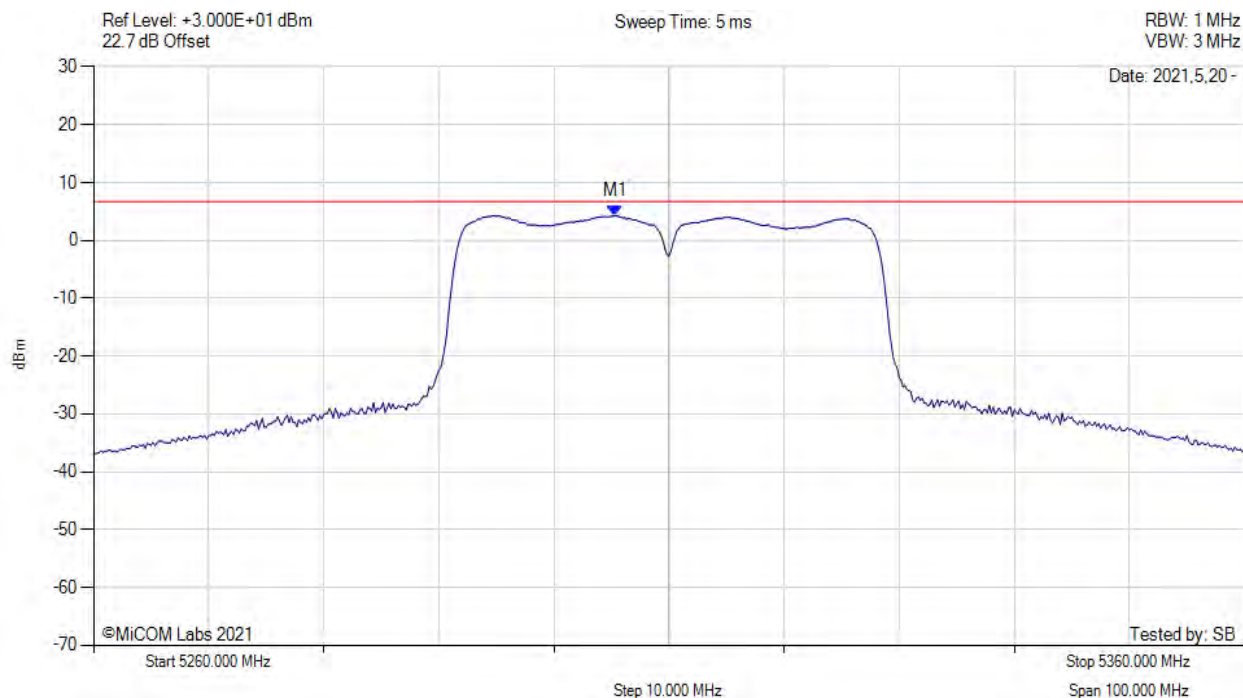
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5295.000 MHz : 3.355 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



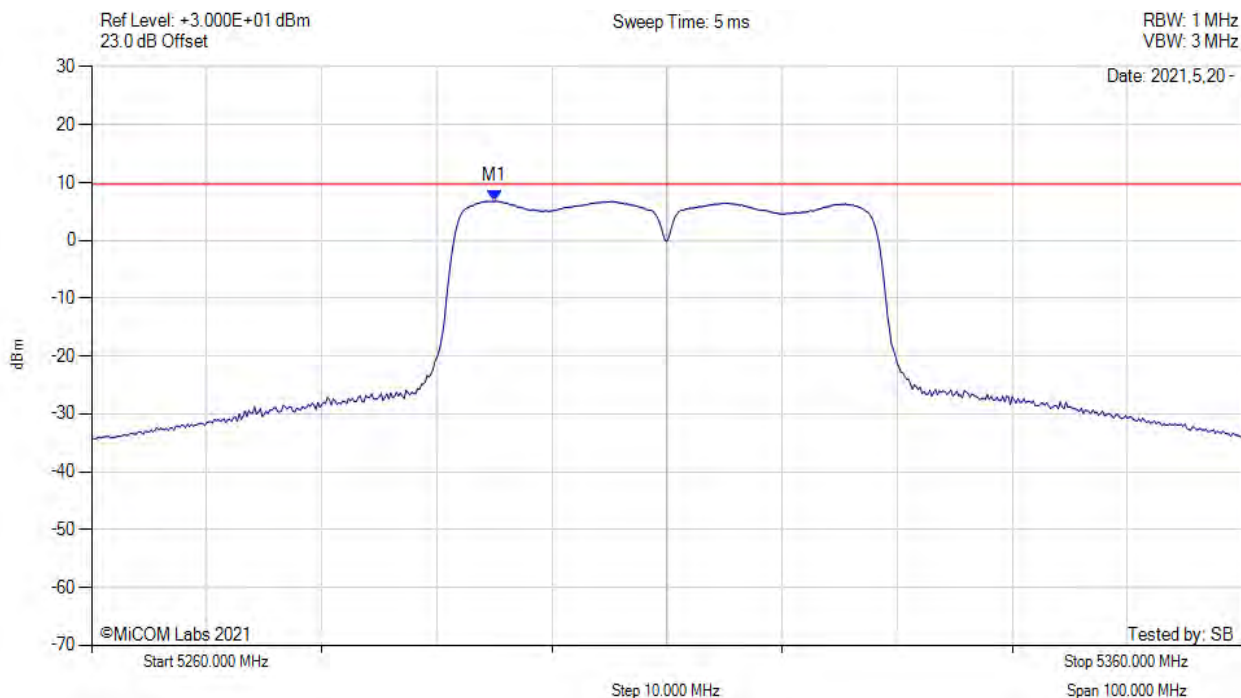
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5305.330 MHz : 4.262 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5310.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



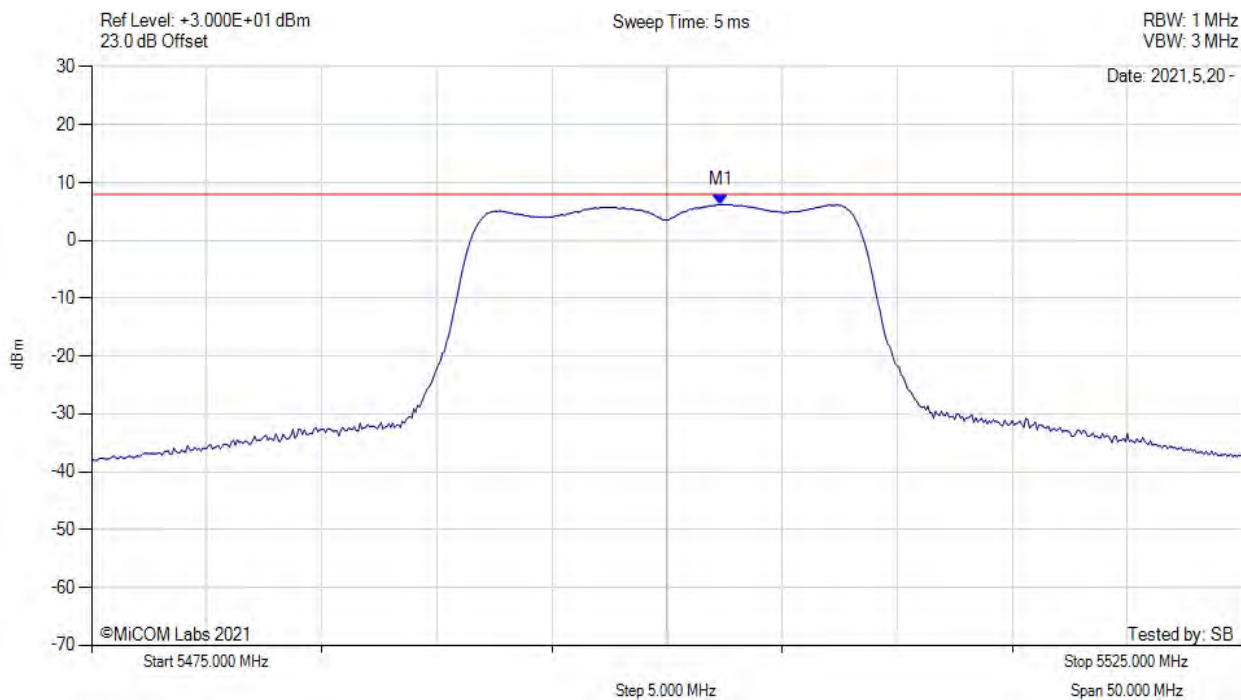
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5295.000 MHz : 6.796 dBm<br>M1 + DCCF : 5295.000 MHz : 6.840 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 9.7 dBm<br>Margin: -2.9 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



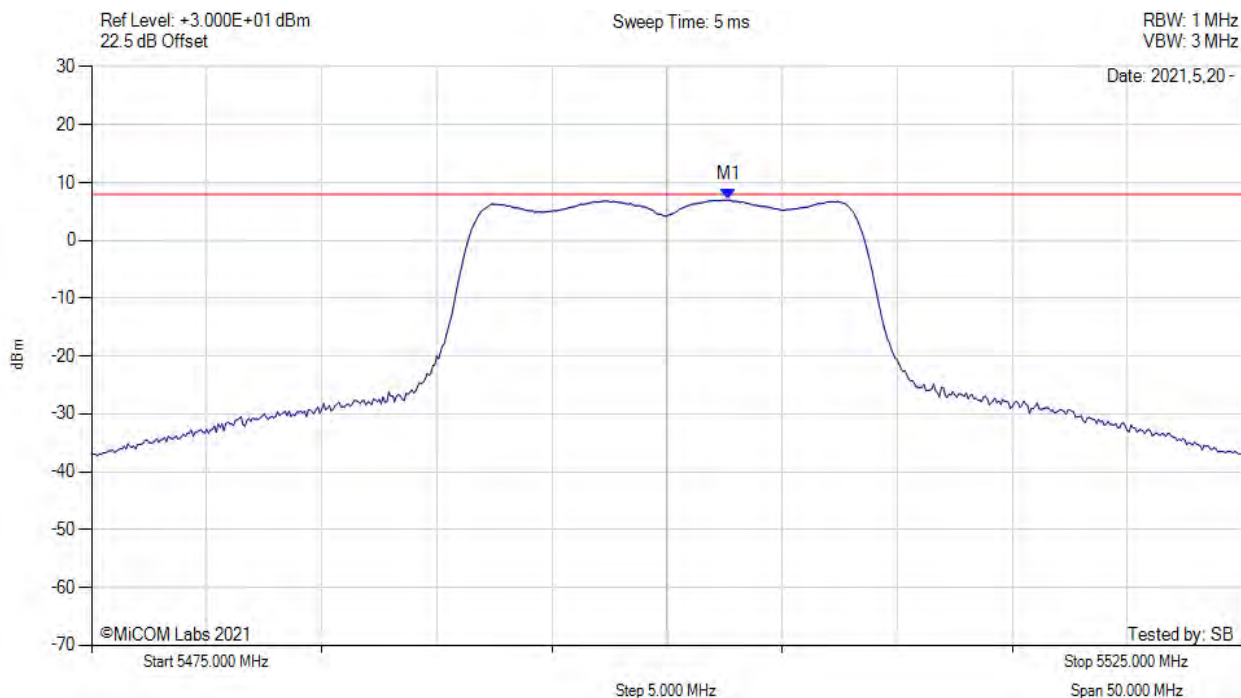
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5502.330 MHz : 6.198 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



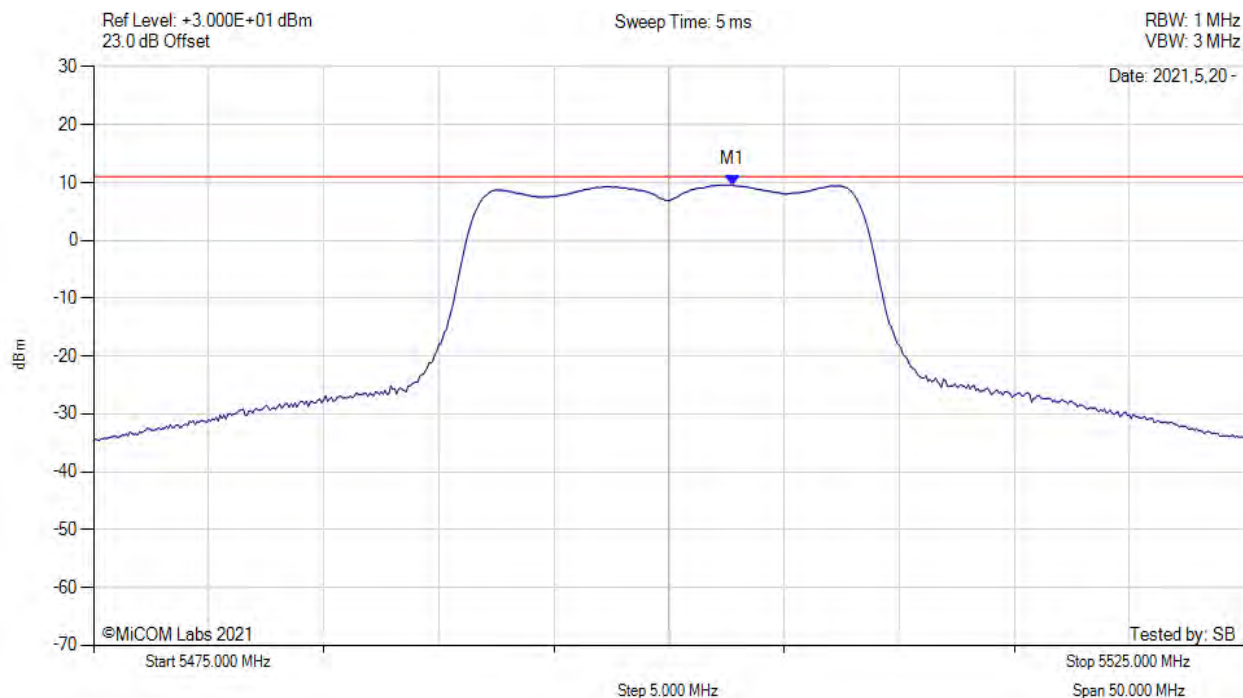
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5502.670 MHz : 6.994 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



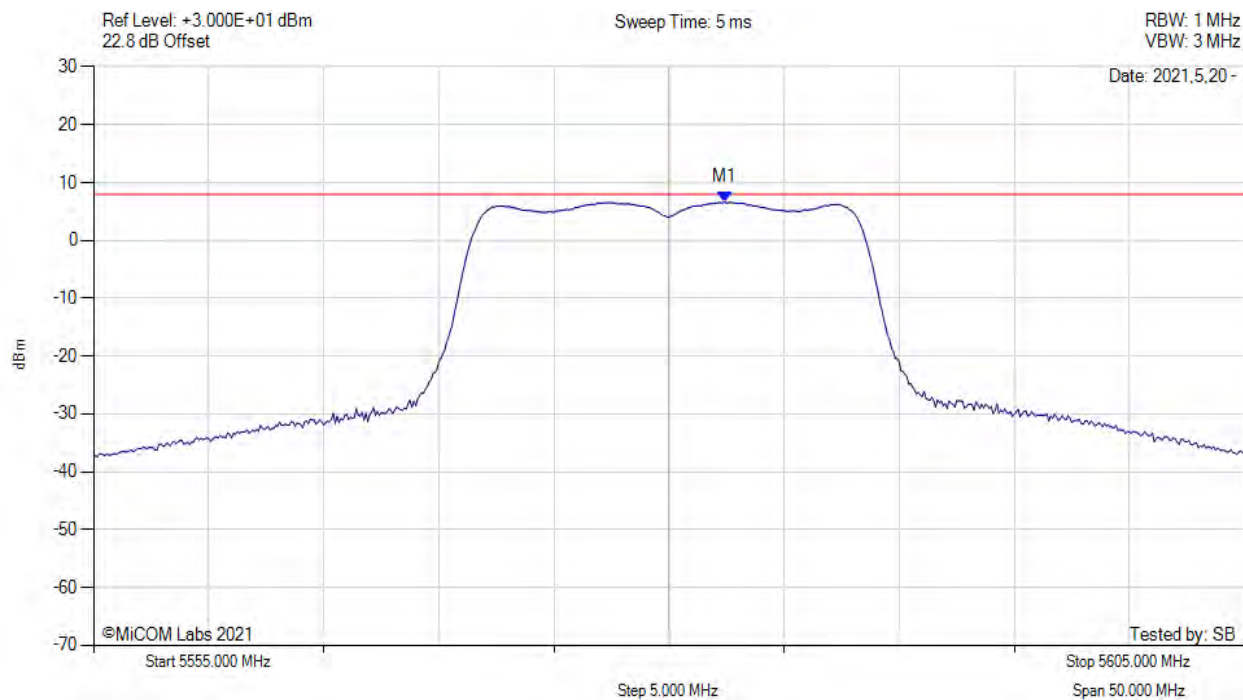
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5502.800 MHz : 9.609 dBm<br>M1 + DCCF : 5502.800 MHz : 9.653 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 11.0$ dBm<br>Margin: -1.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



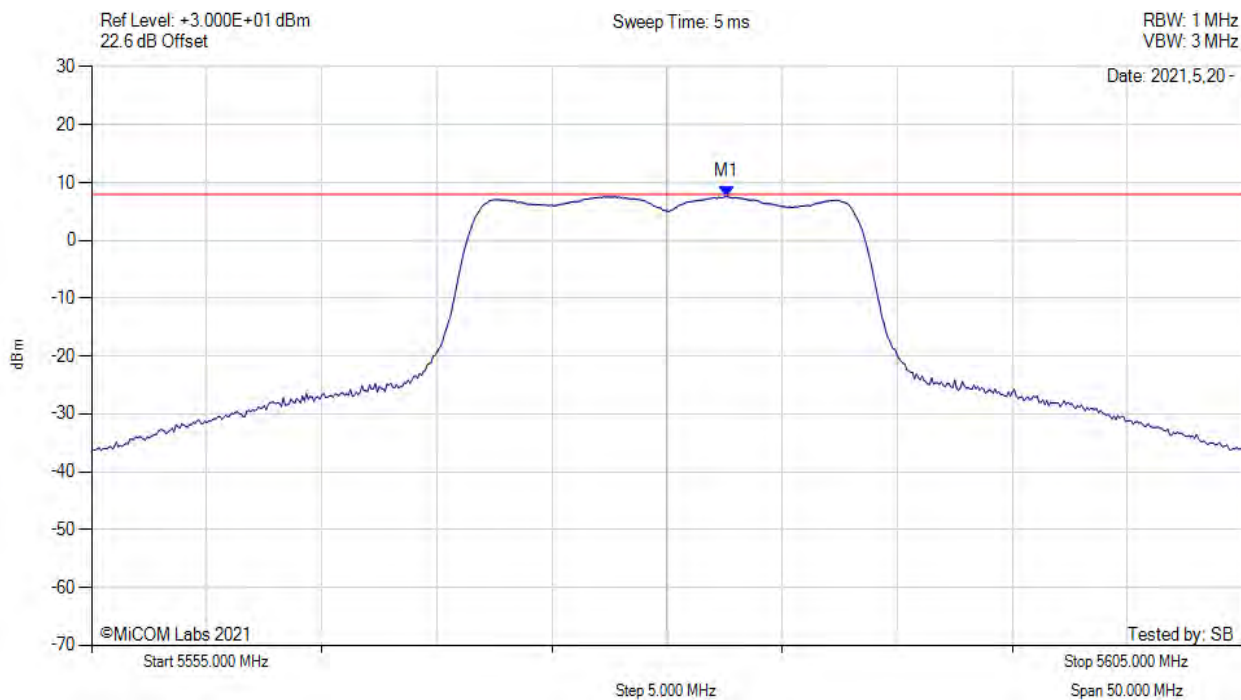
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5582.420 MHz : 6.681 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



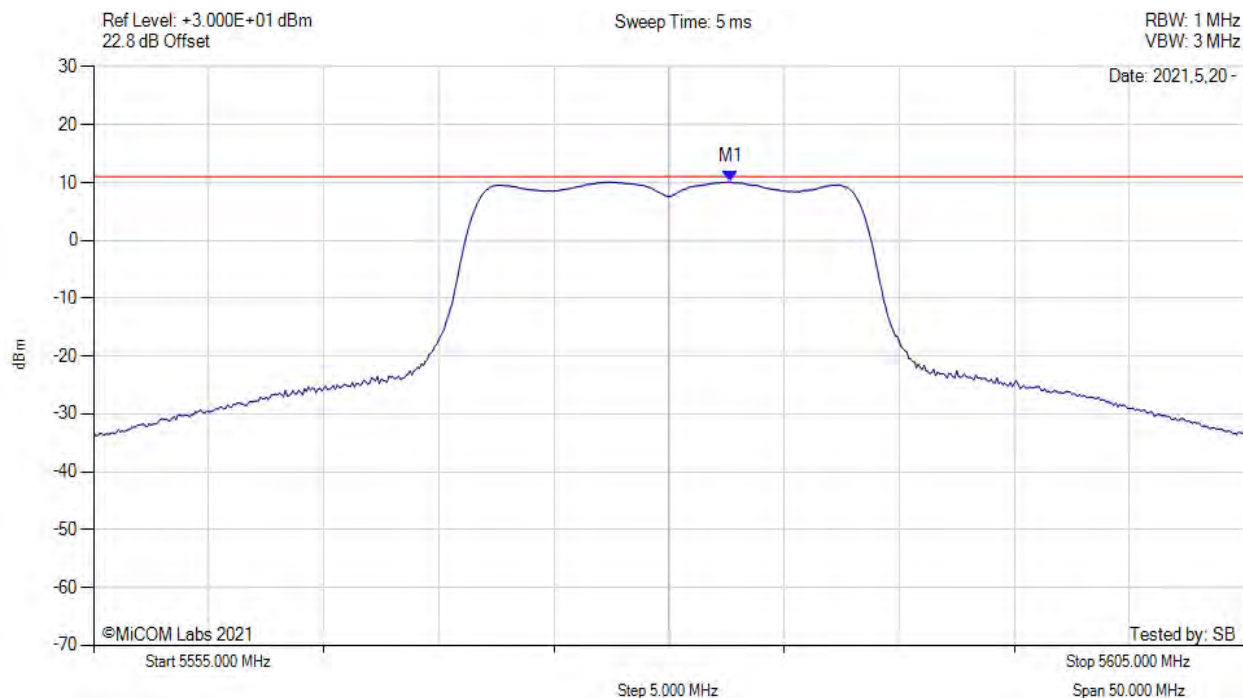
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5582.580 MHz : 7.582 dBm | Channel Frequency: 5580.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



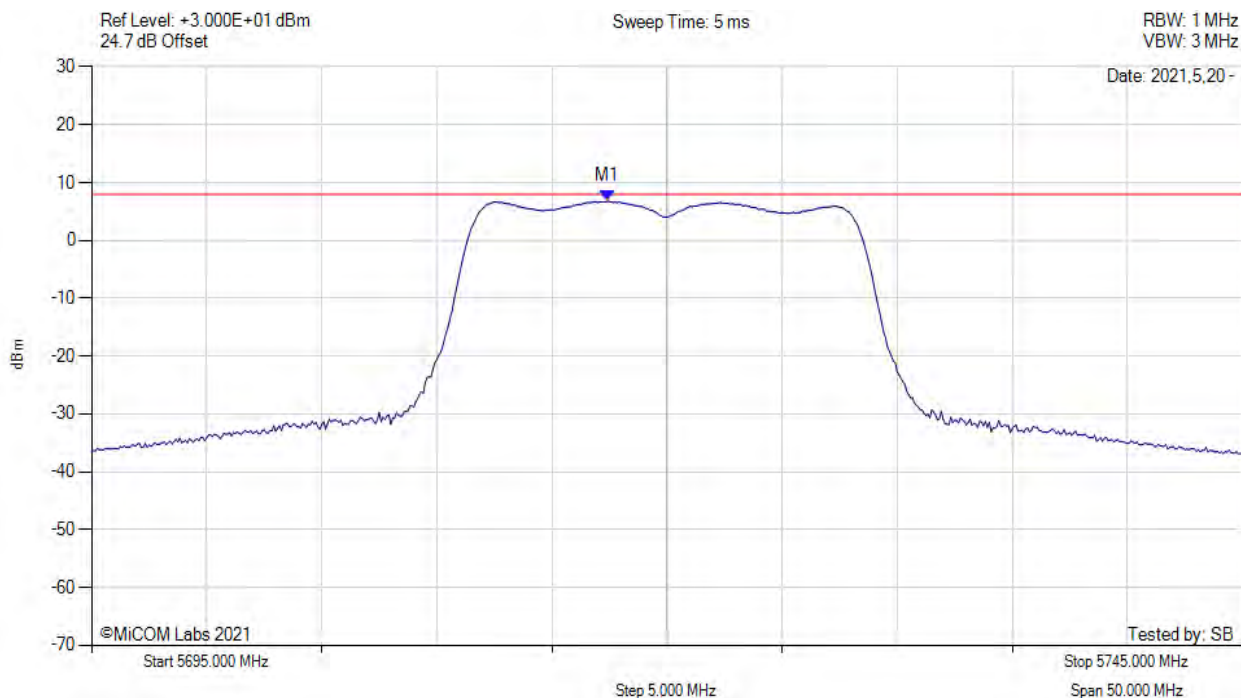
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                         | Test Results                              |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5582.700 MHz : 10.113 dBm<br>M1 + DCCF : 5582.700 MHz : 10.157 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 11.0$ dBm<br>Margin: -0.9 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



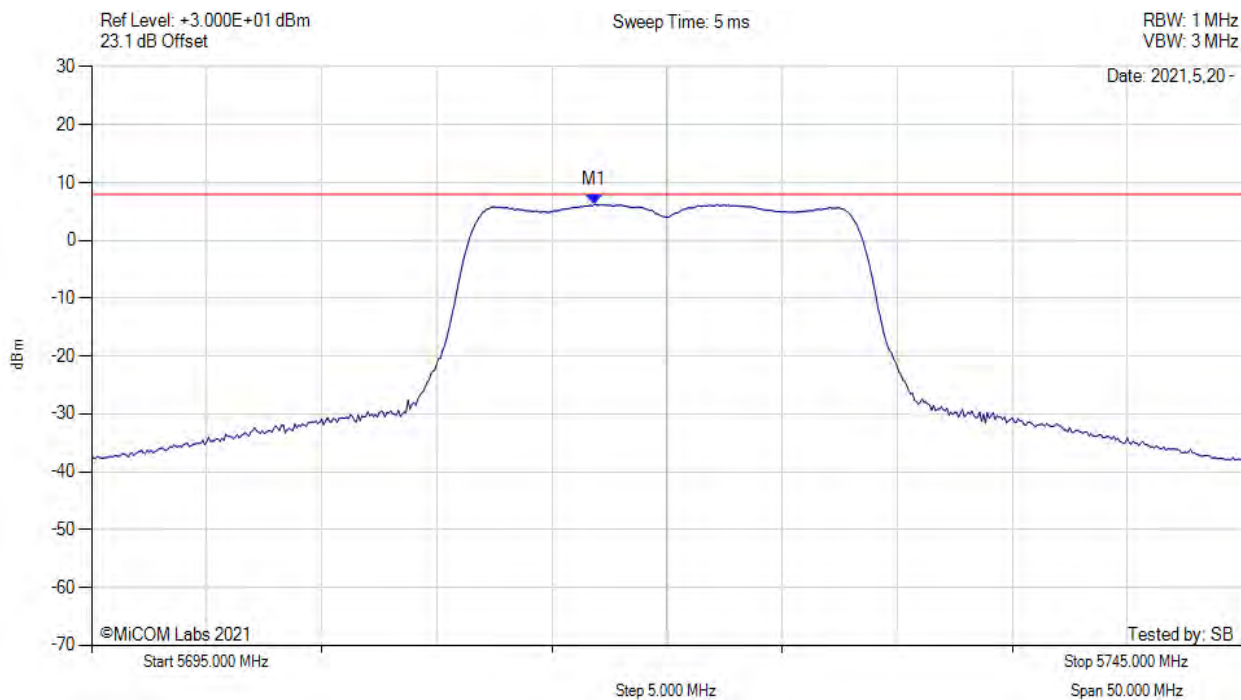
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5717.420 MHz : 6.776 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



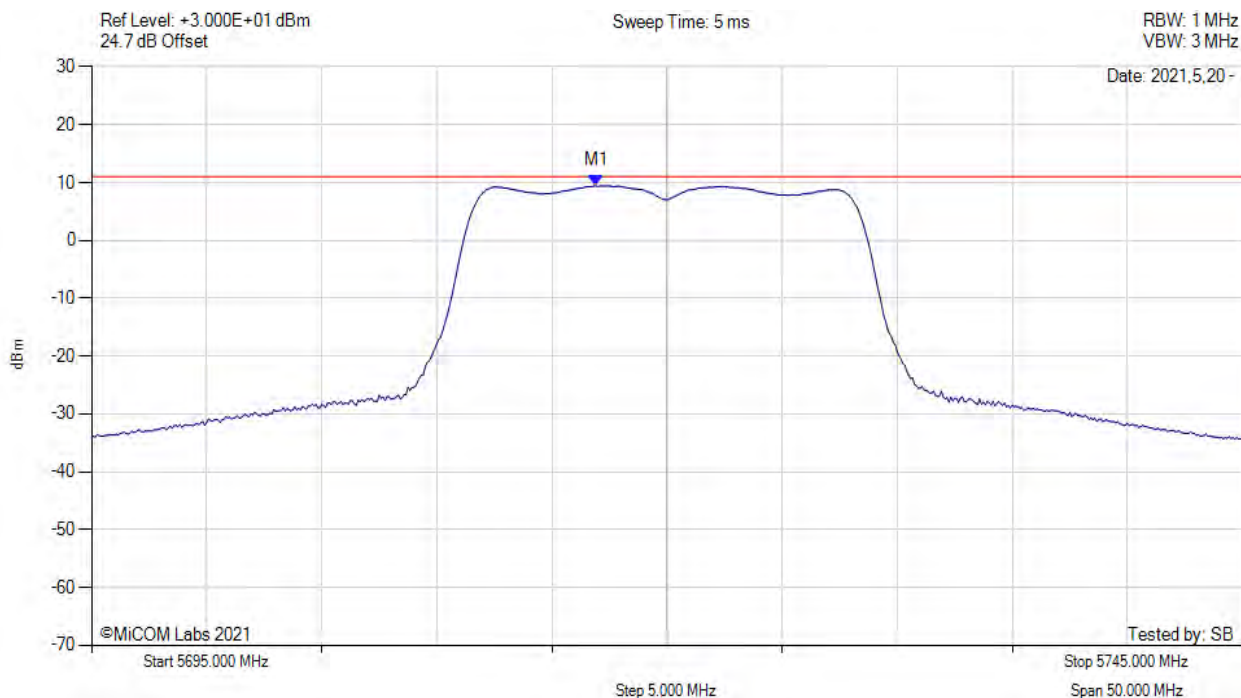
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5716.830 MHz : 6.188 dBm | Limit: ≤ 7.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



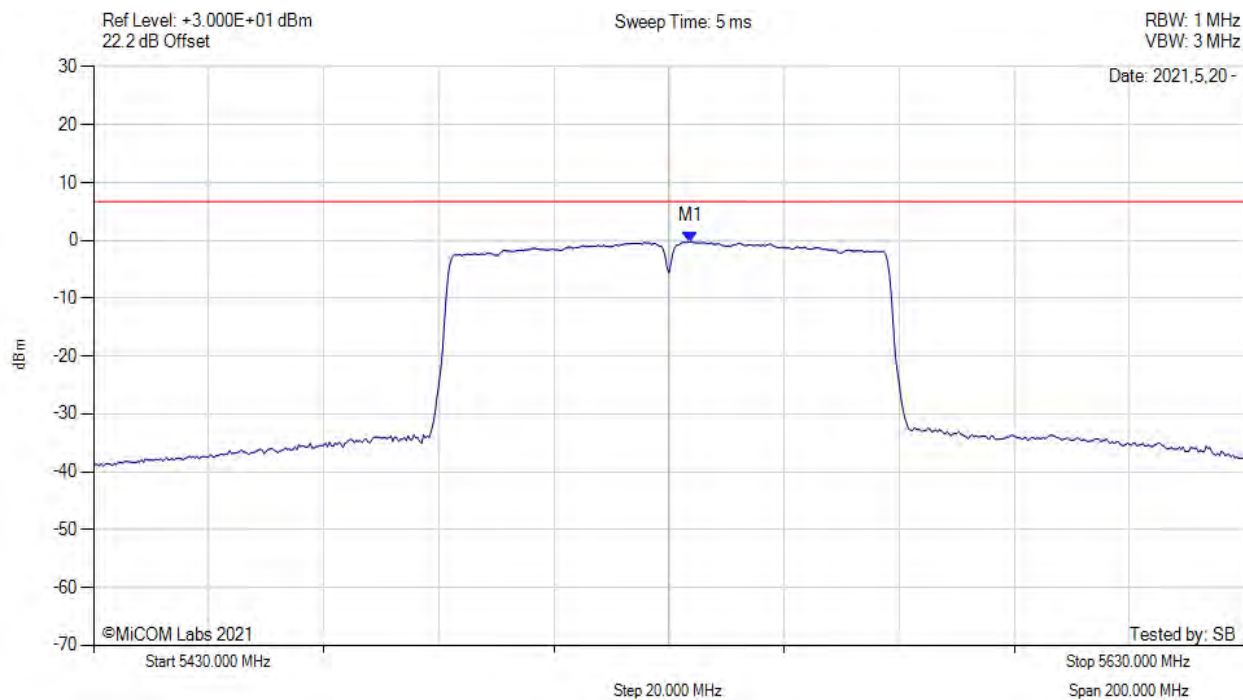
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5716.900 MHz : 9.448 dBm<br>M1 + DCCF : 5716.900 MHz : 9.492 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 11.0$ dBm<br>Margin: -1.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



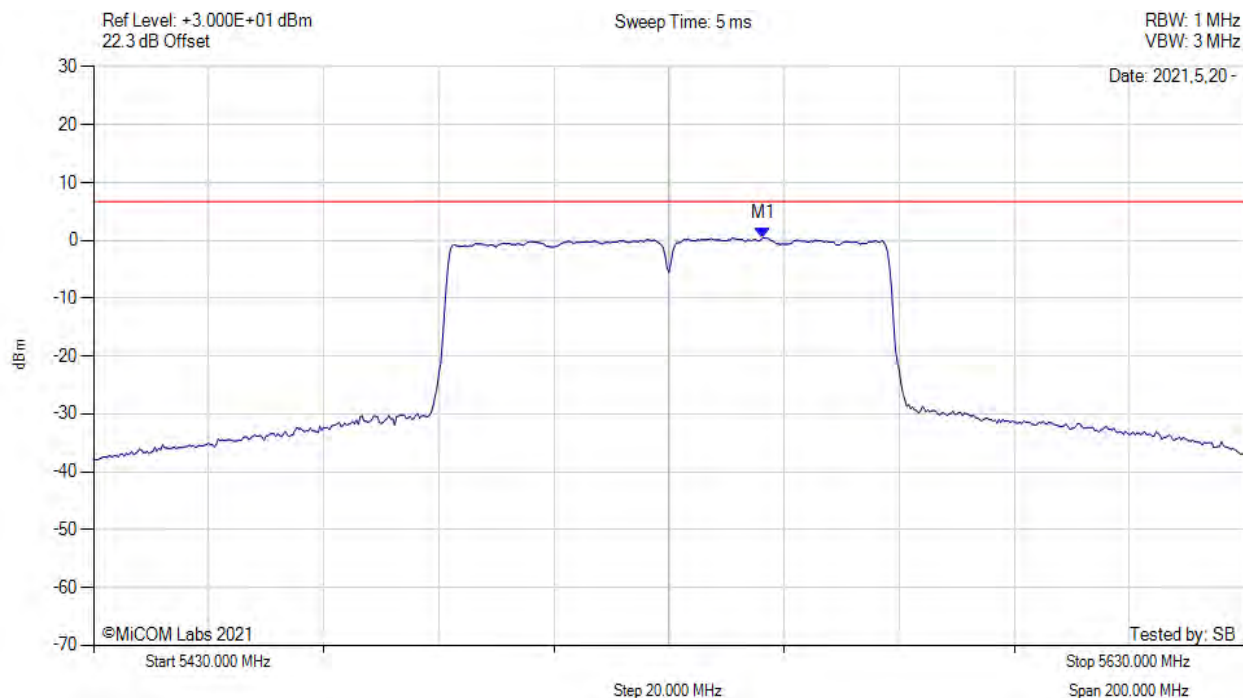
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results       |
|----------------------------------------------------------------------------------|--------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5533.700 MHz : -0.225 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



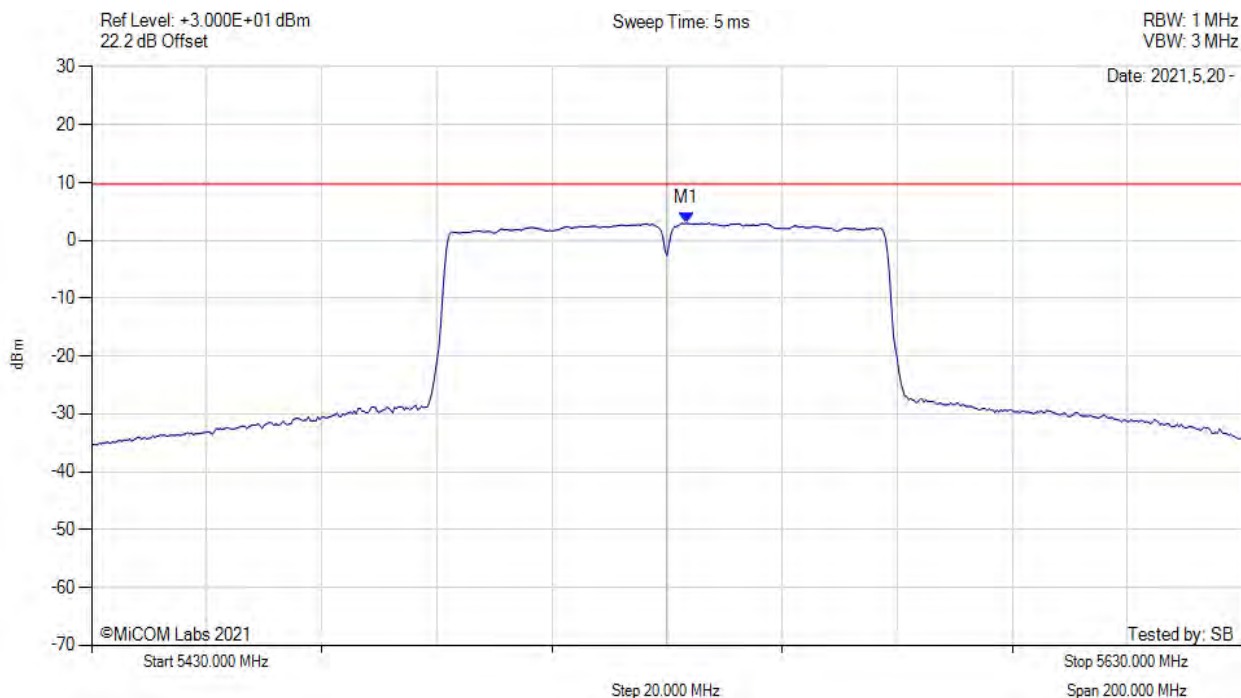
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5546.300 MHz : 0.441 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5530.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



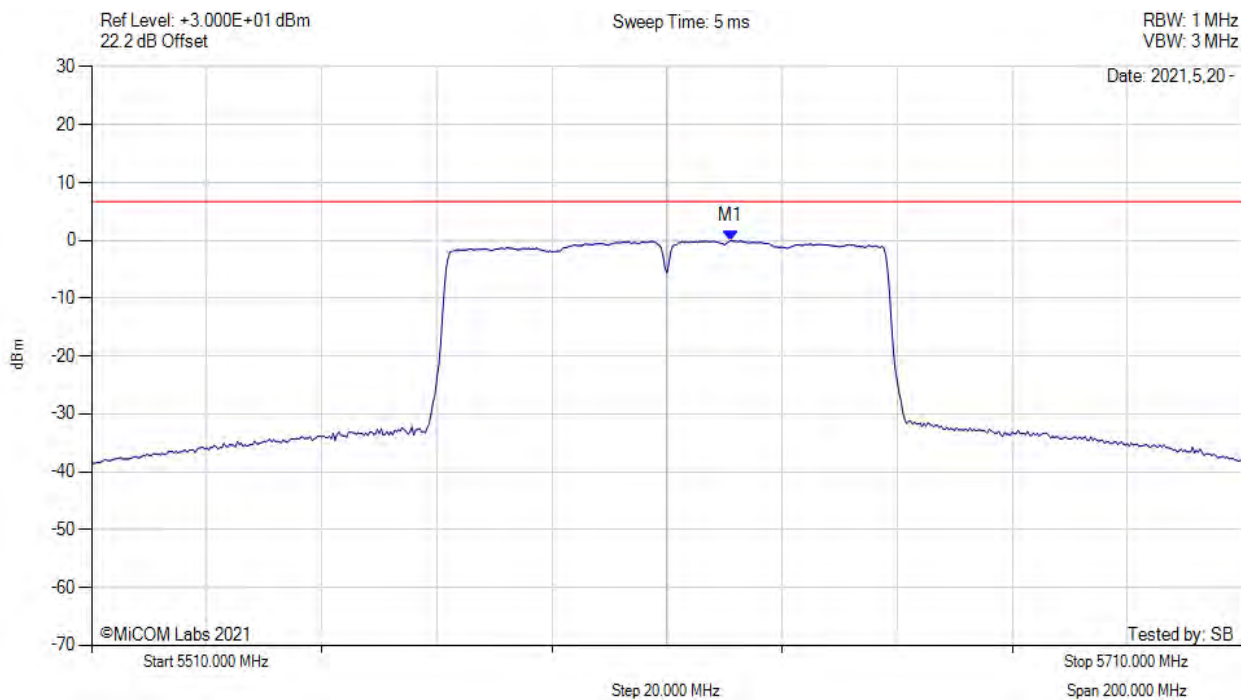
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5533.300 MHz : 2.990 dBm<br>M1 + DCCF : 5533.300 MHz : 3.167 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -6.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



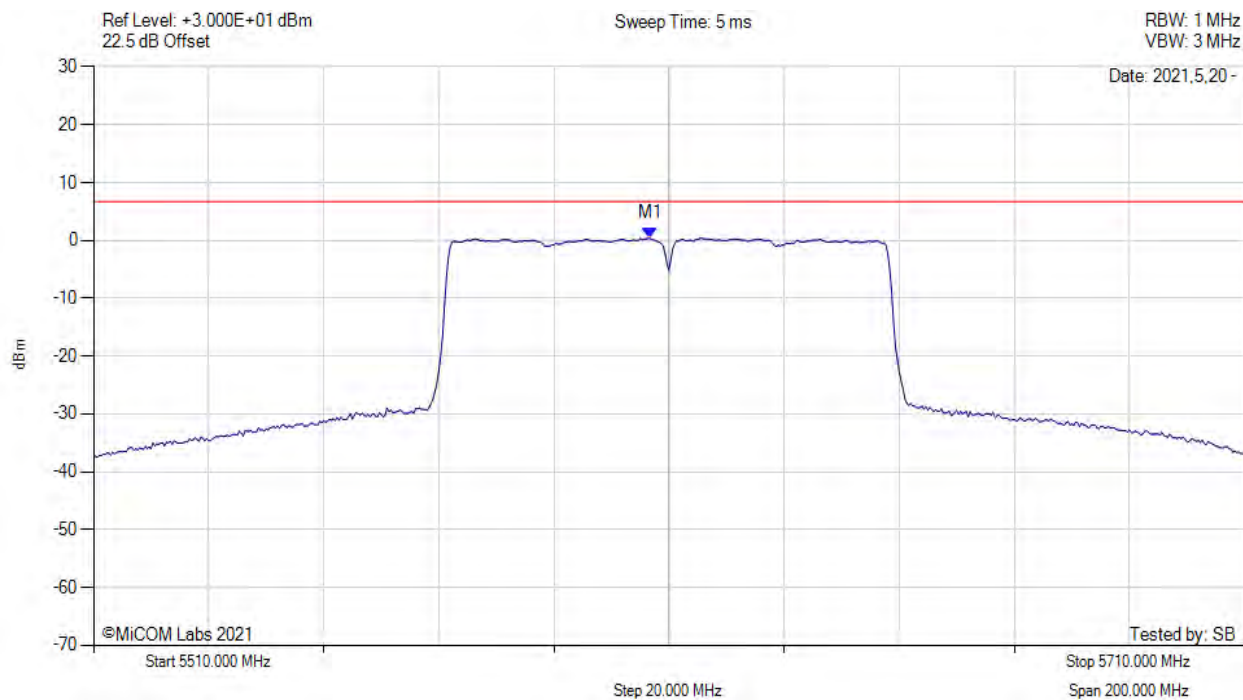
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results       |
|----------------------------------------------------------------------------------|--------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5621.000 MHz : -0.054 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



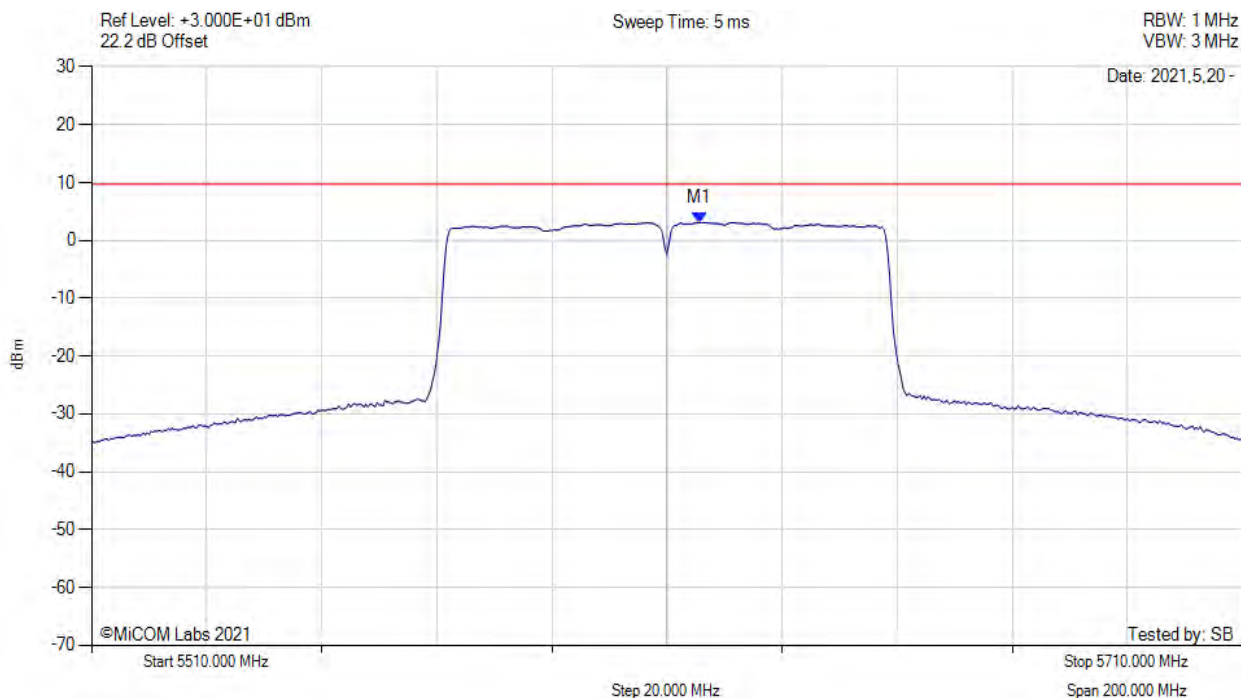
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5606.700 MHz : 0.363 dBm | Channel Frequency: 5610.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5610.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



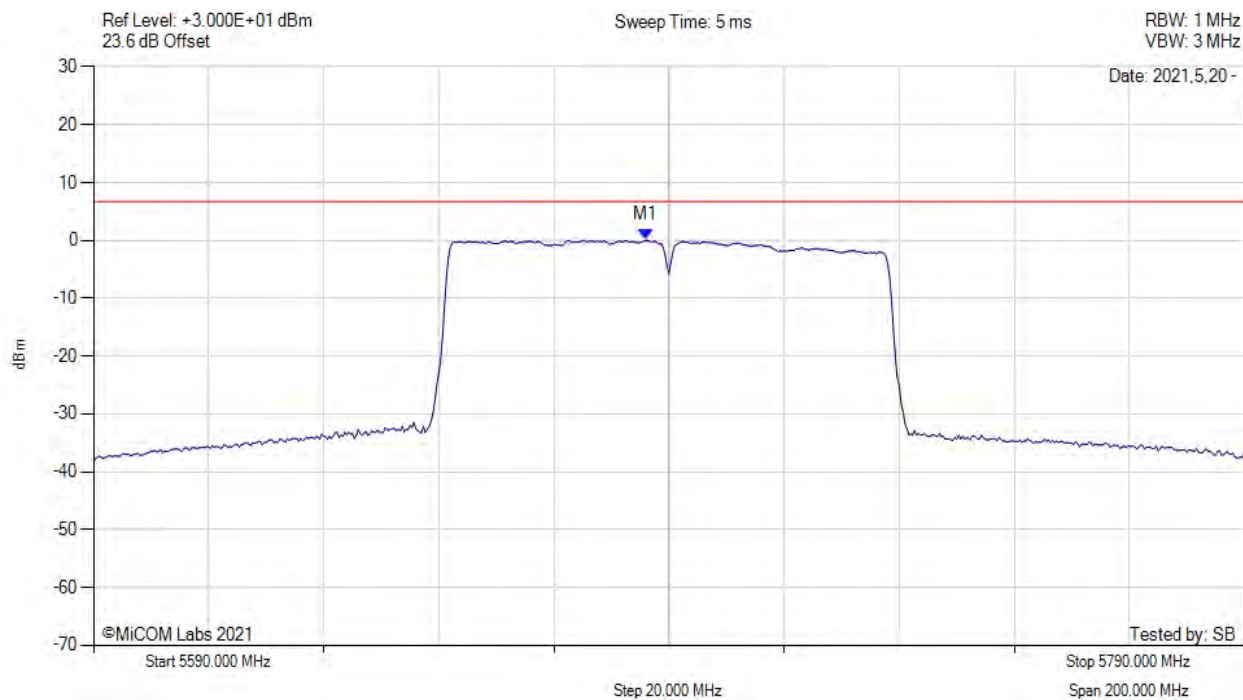
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5615.700 MHz : 3.098 dBm<br>M1 + DCCF : 5615.700 MHz : 3.275 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -6.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



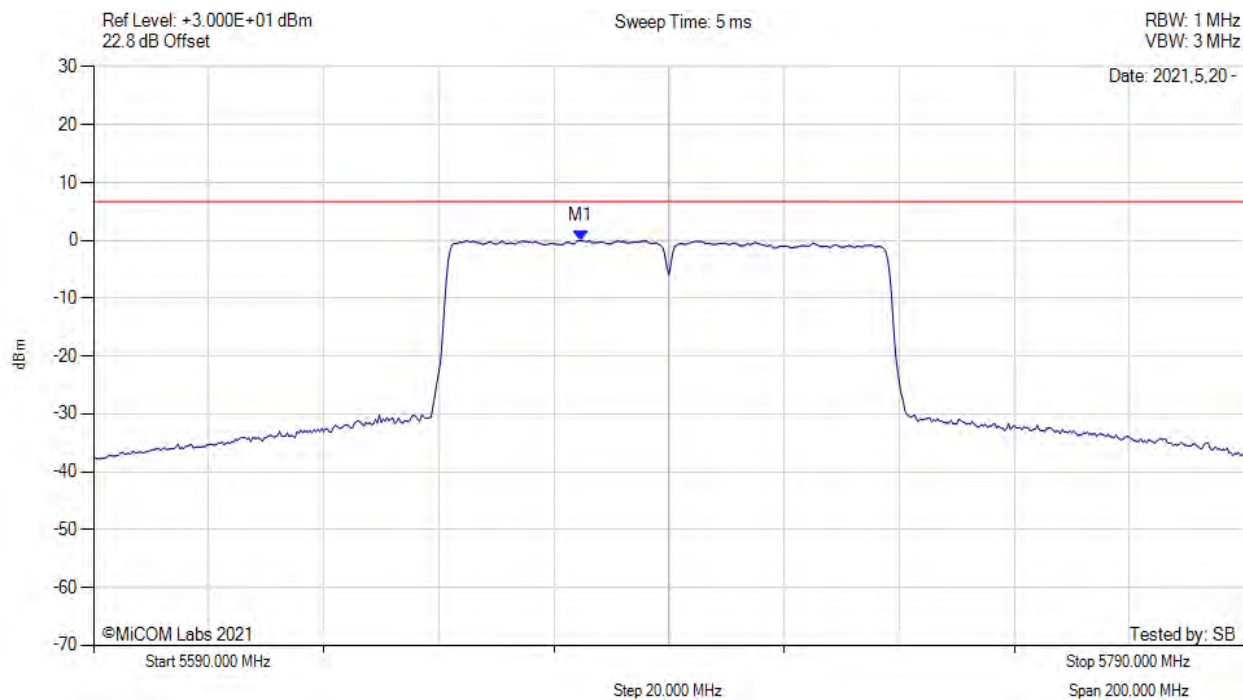
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5686.000 MHz : 0.051 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



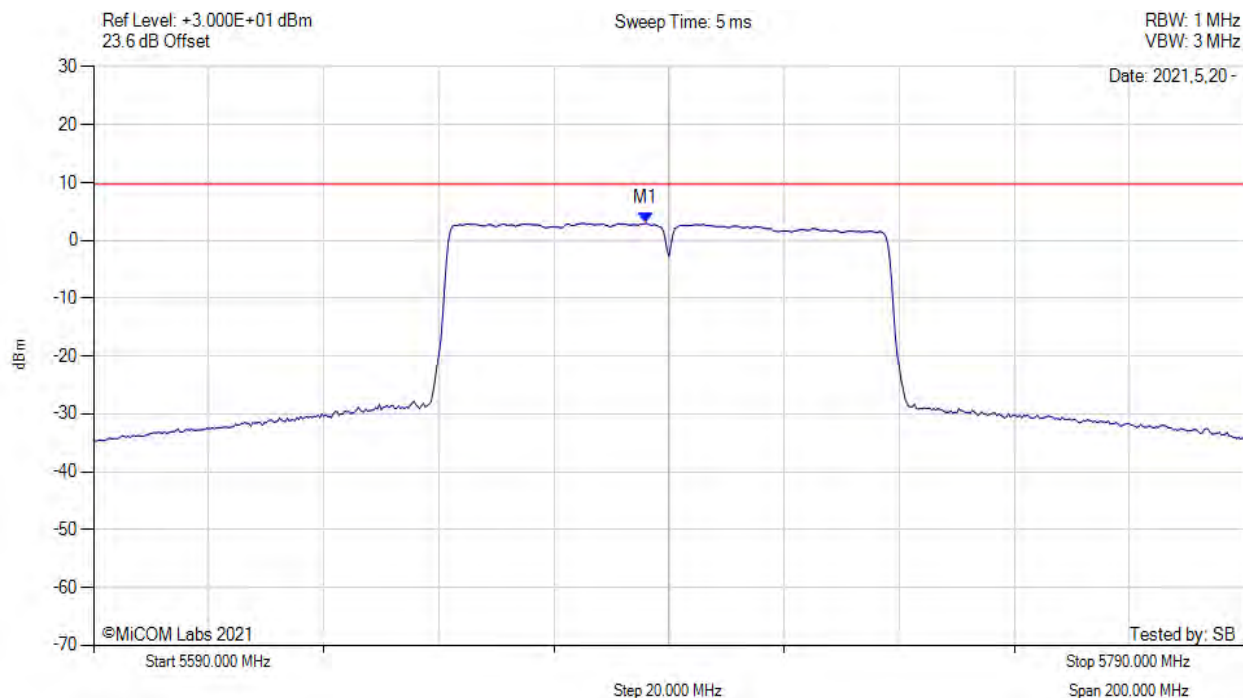
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results       |
|----------------------------------------------------------------------------------|--------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5674.700 MHz : -0.026 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5690.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



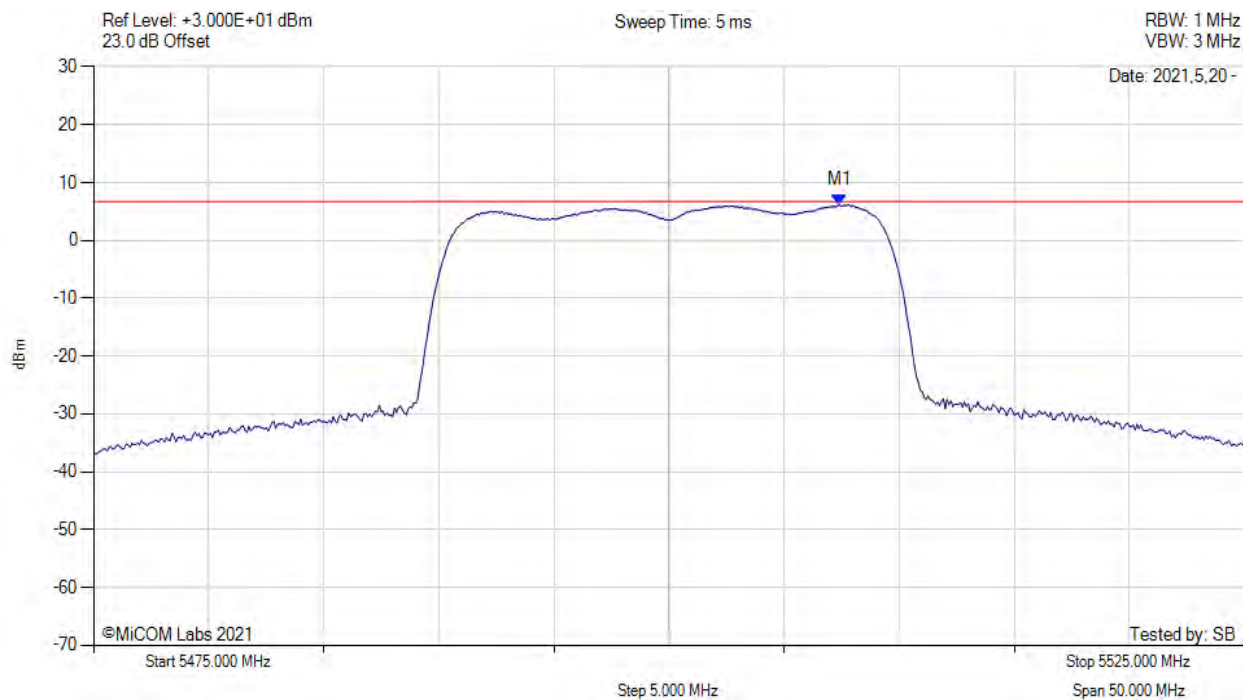
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5686.000 MHz : 2.981 dBm<br>M1 + DCCF : 5686.000 MHz : 3.158 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -6.6 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



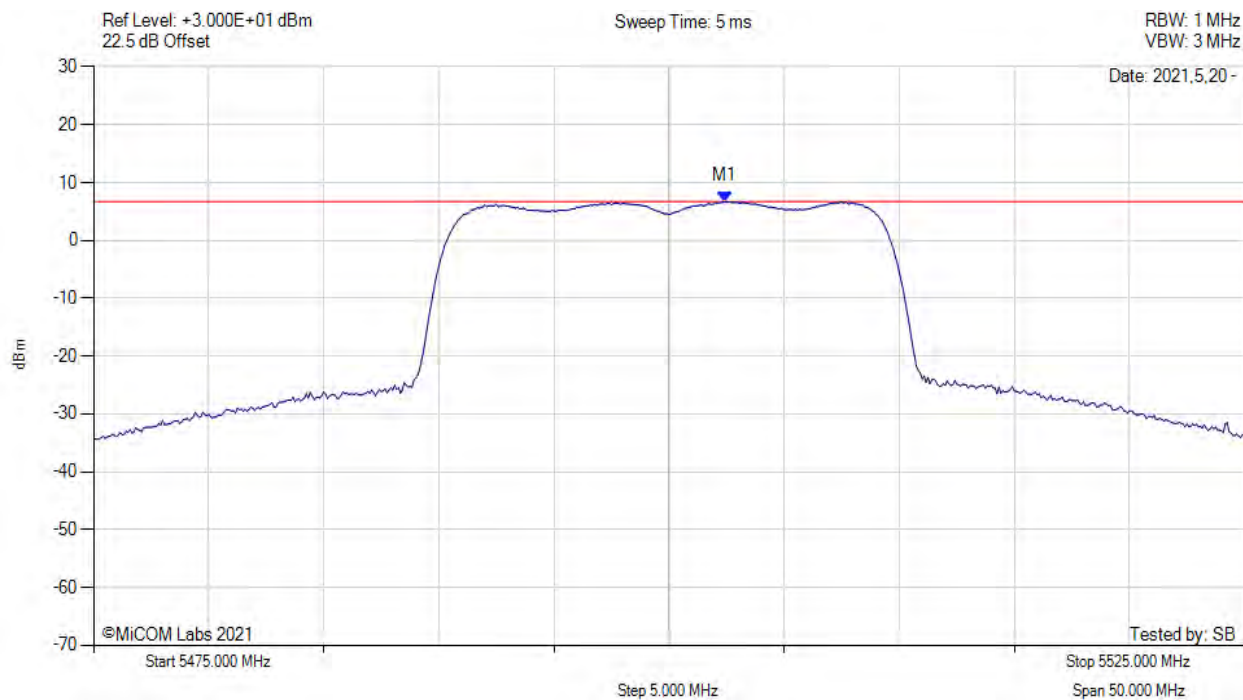
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5507.420 MHz : 6.113 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



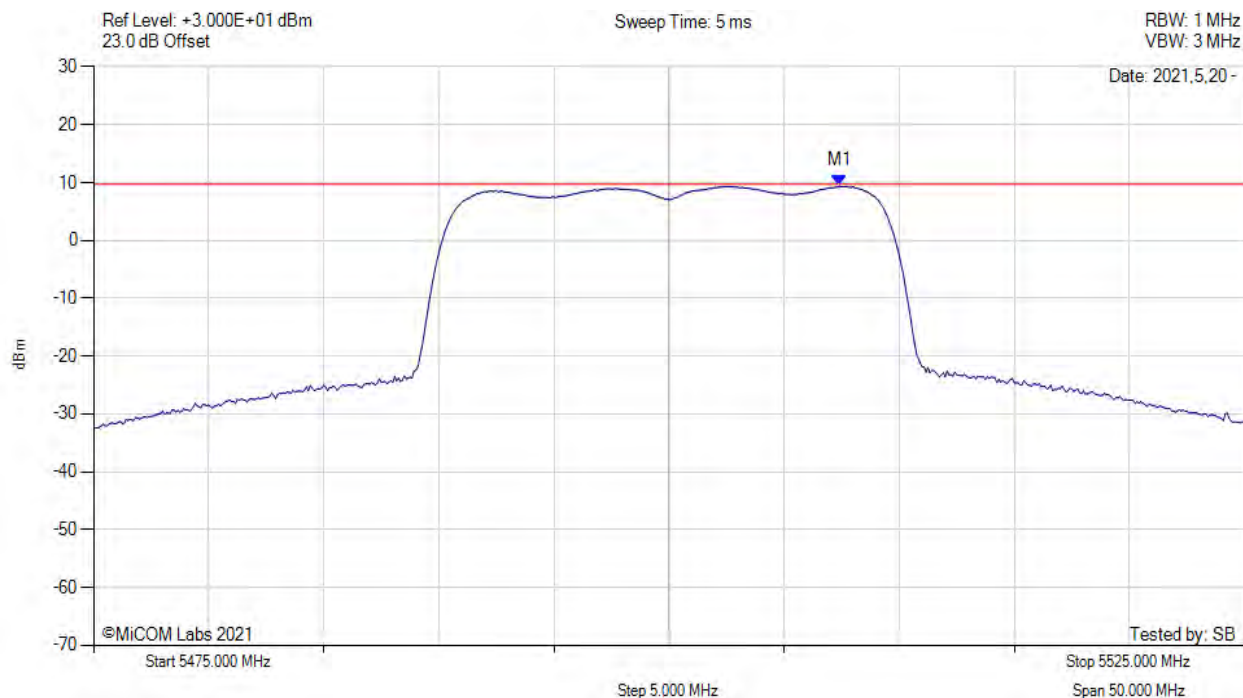
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5502.420 MHz : 6.715 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



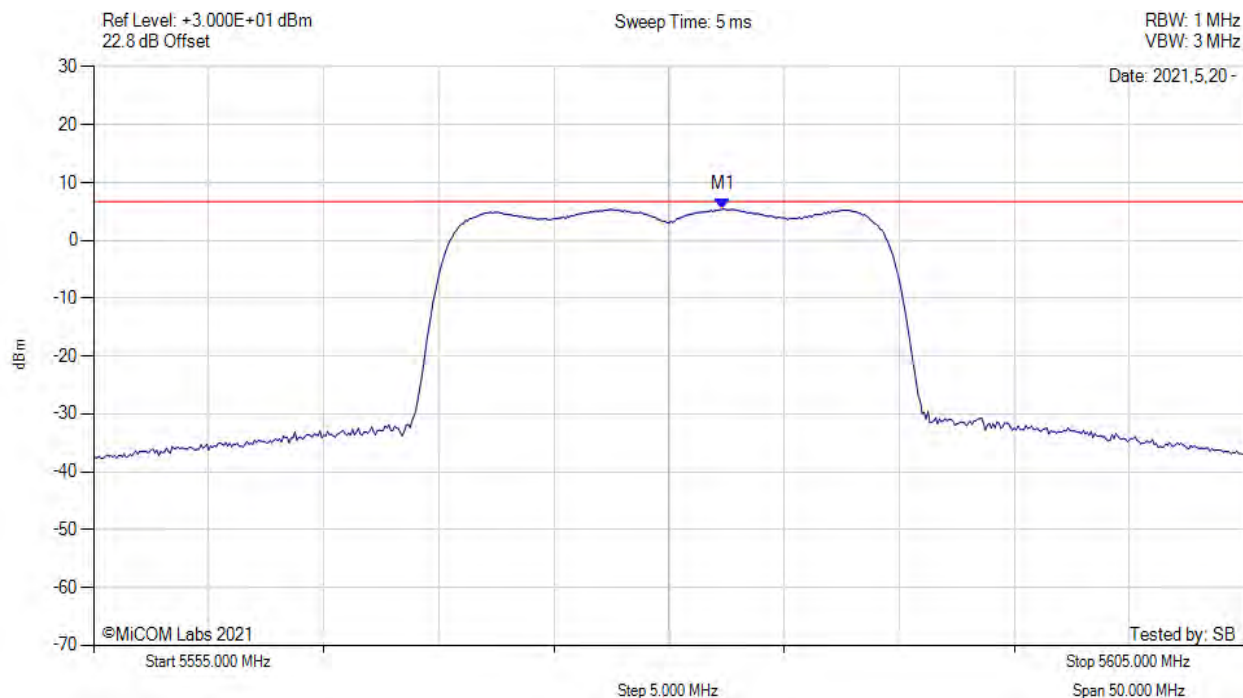
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5507.400 MHz : 9.385 dBm<br>M1 + DCCF : 5507.400 MHz : 9.429 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



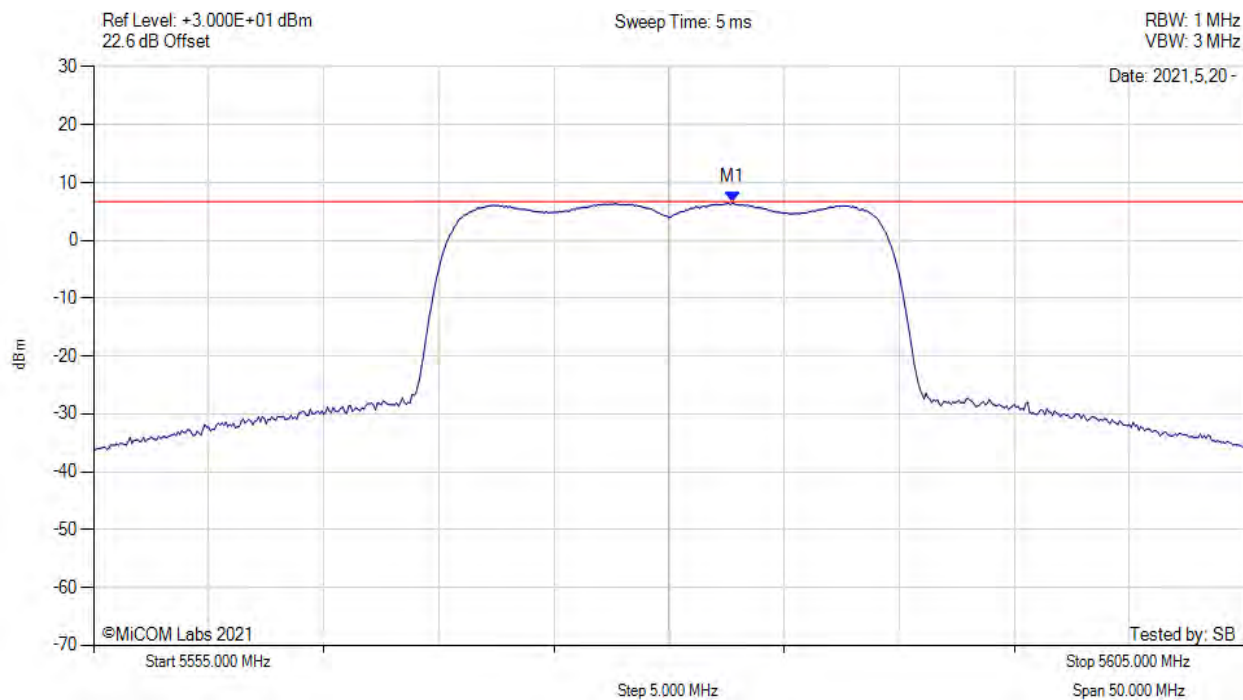
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5582.330 MHz : 5.419 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



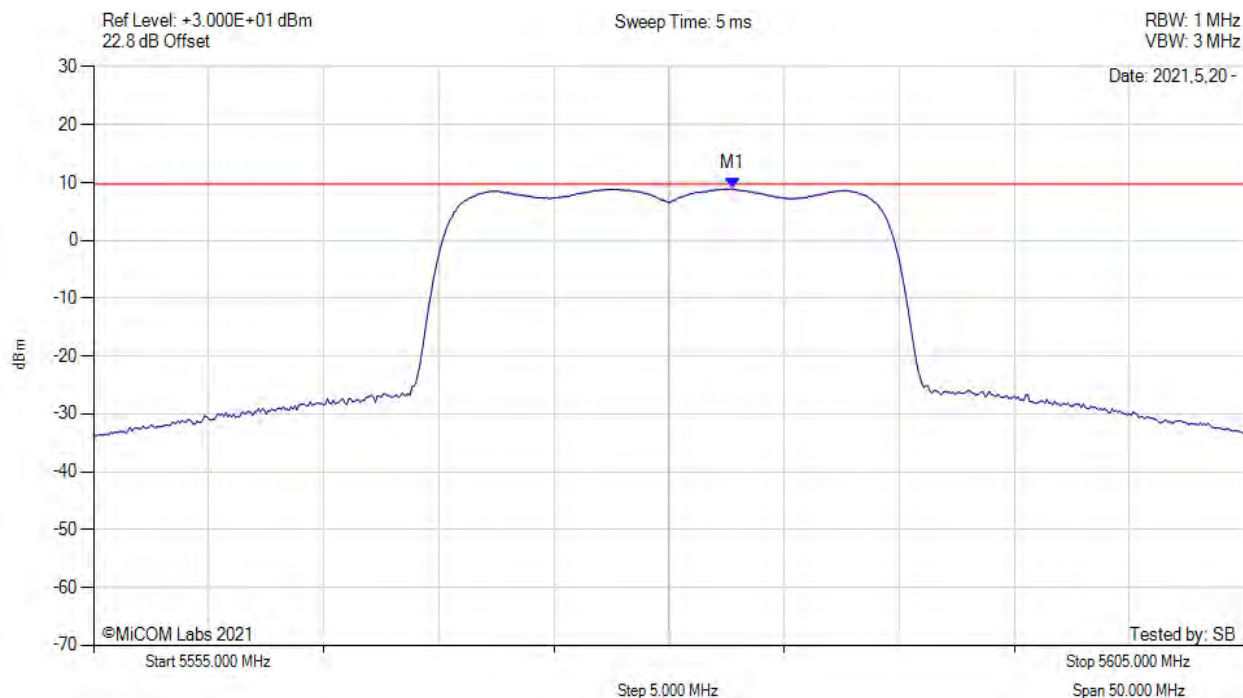
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5582.750 MHz : 6.505 dBm | Channel Frequency: 5580.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



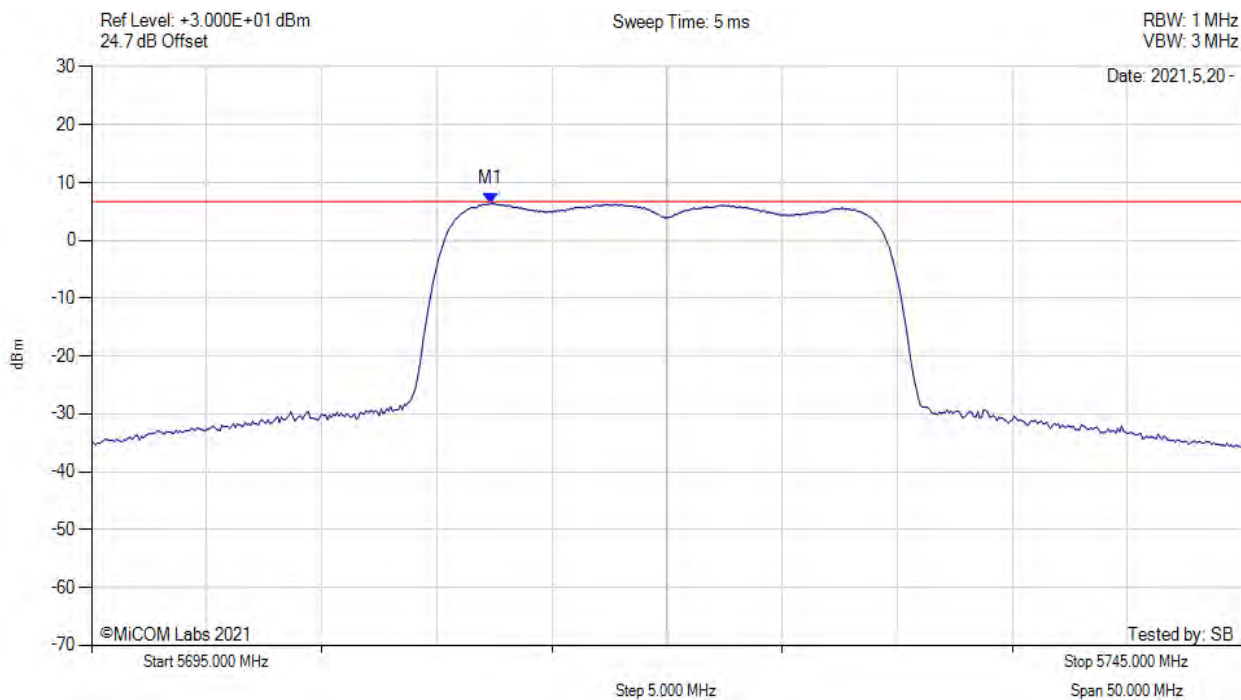
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5582.800 MHz : 8.965 dBm<br>M1 + DCCF : 5582.800 MHz : 9.009 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.7 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



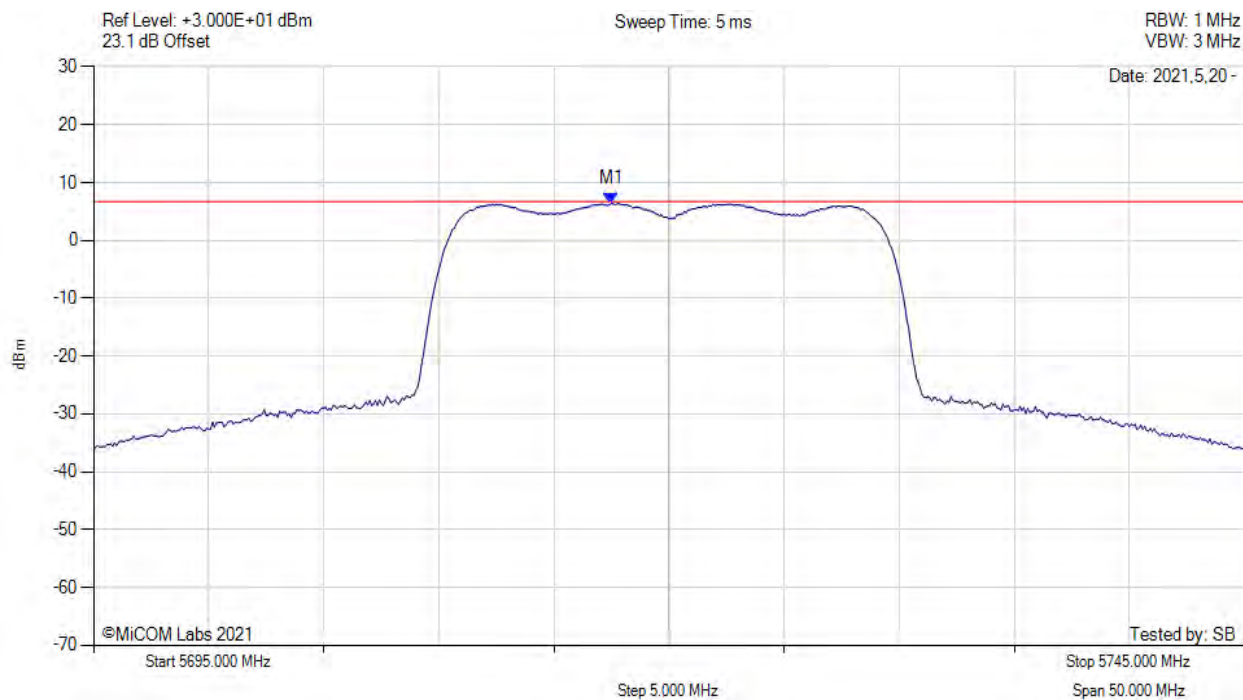
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5712.330 MHz : 6.388 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



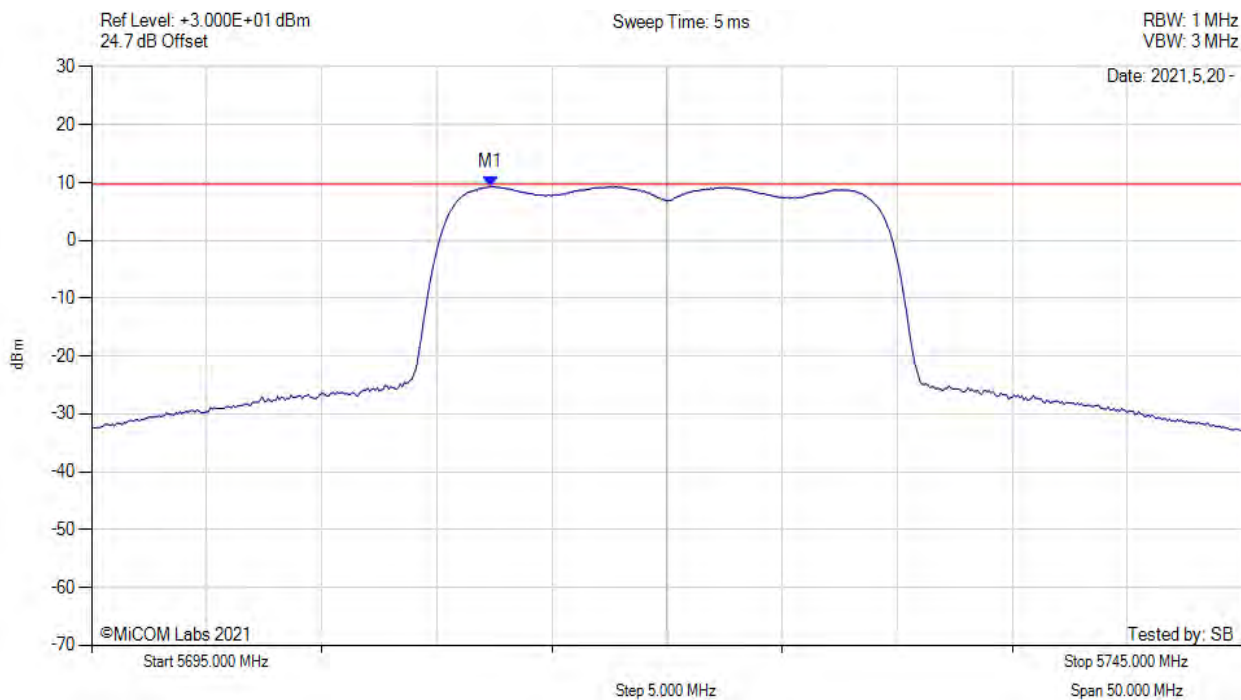
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5717.500 MHz : 6.428 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



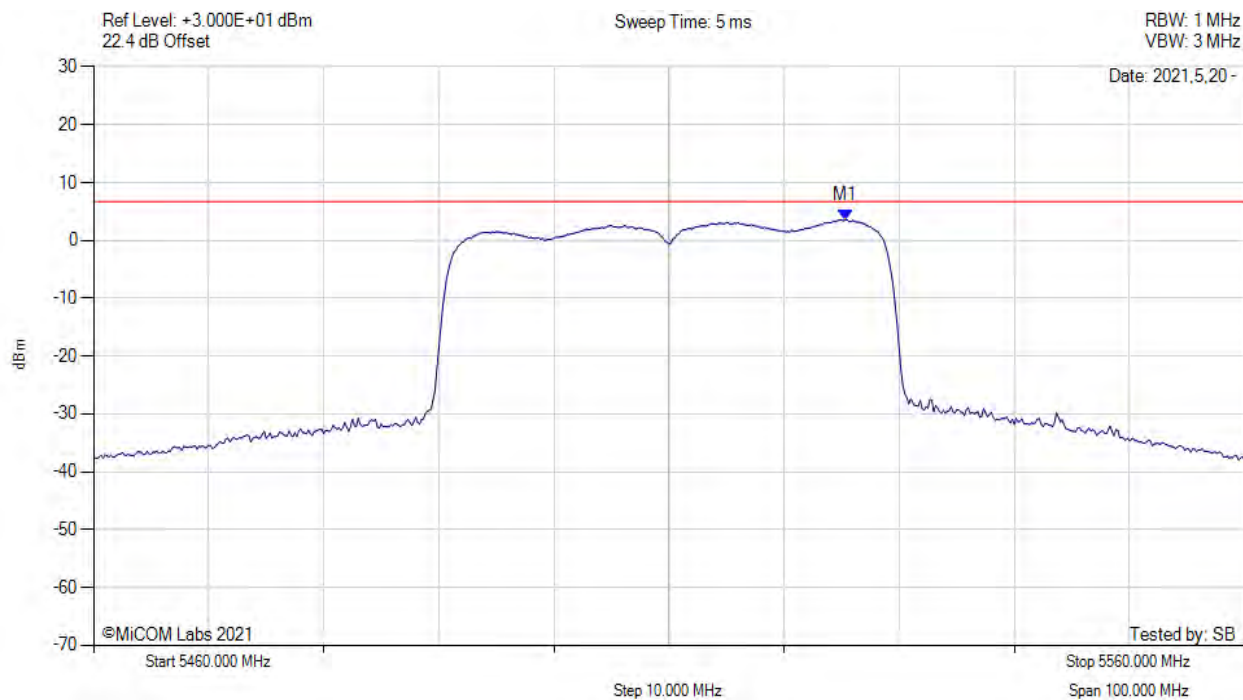
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5712.300 MHz : 9.337 dBm<br>M1 + DCCF : 5712.300 MHz : 9.381 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5510.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



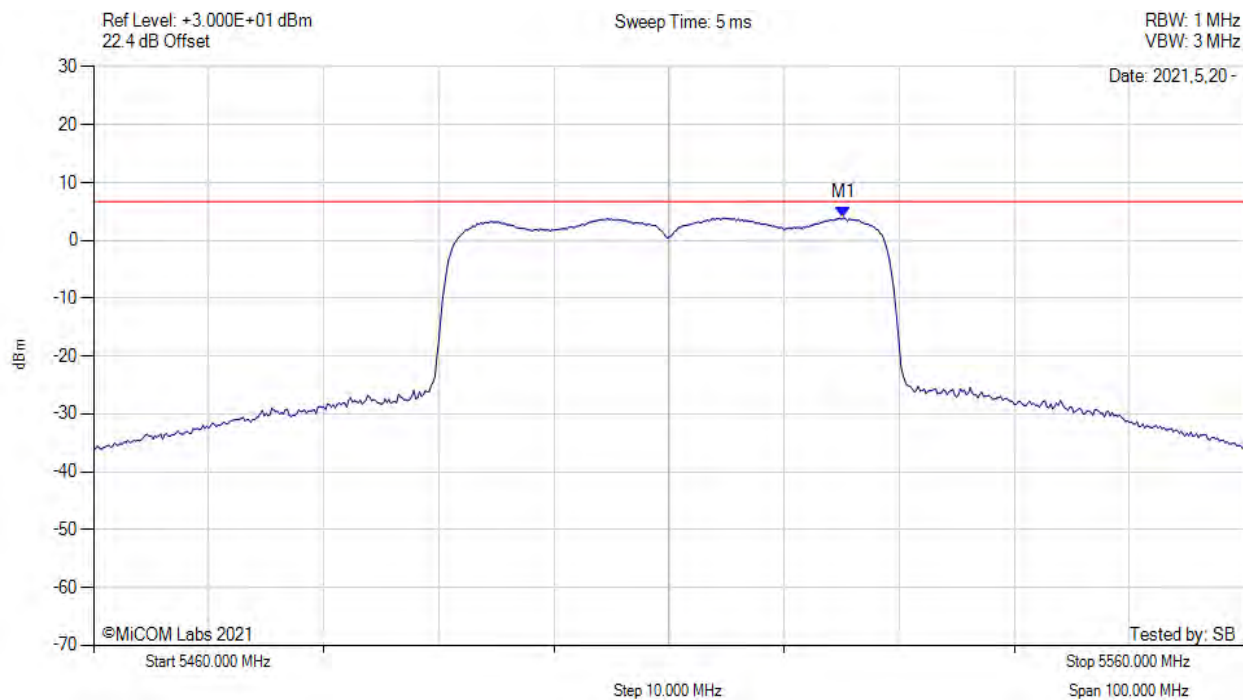
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5525.330 MHz : 3.572 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5510.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



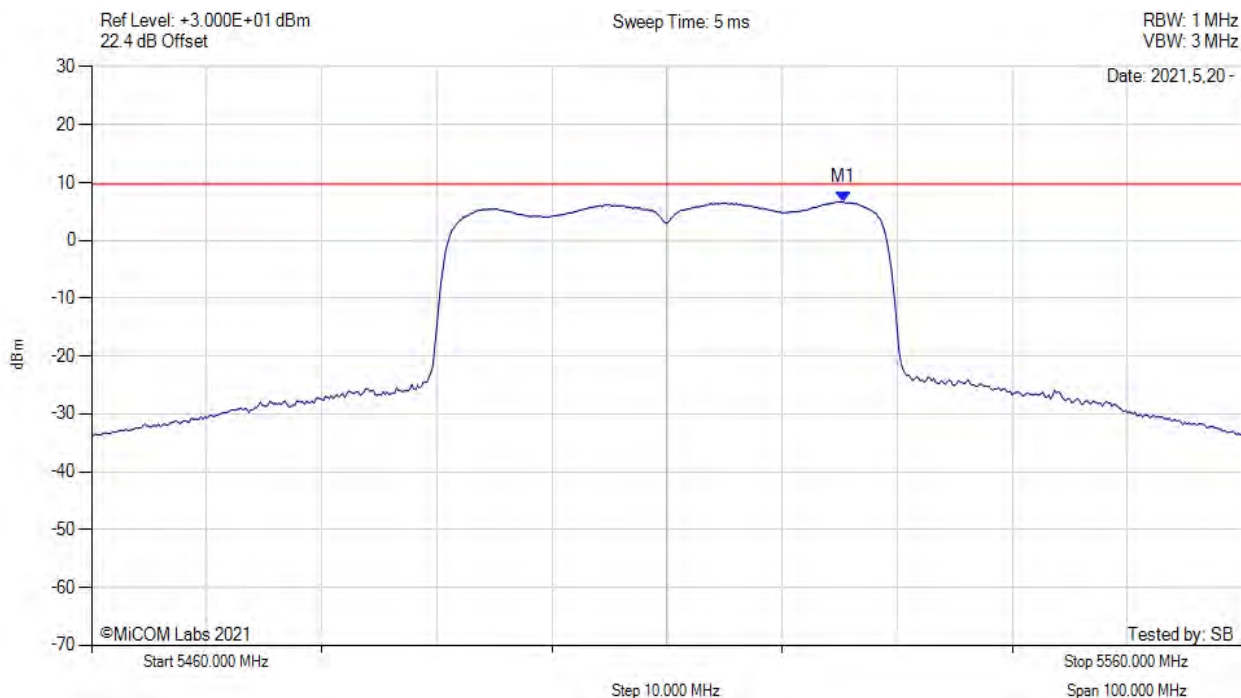
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5525.170 MHz : 3.905 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5510.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



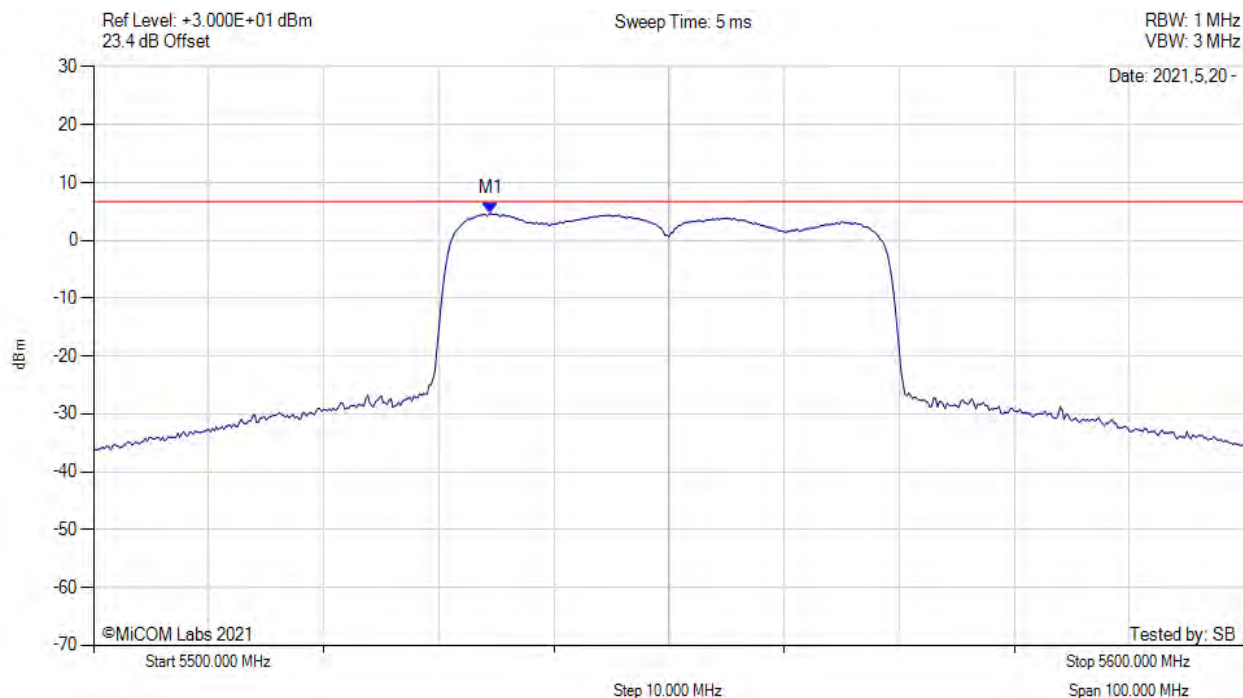
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5525.300 MHz : 6.694 dBm<br>M1 + DCCF : 5525.300 MHz : 6.738 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -3.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5550.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



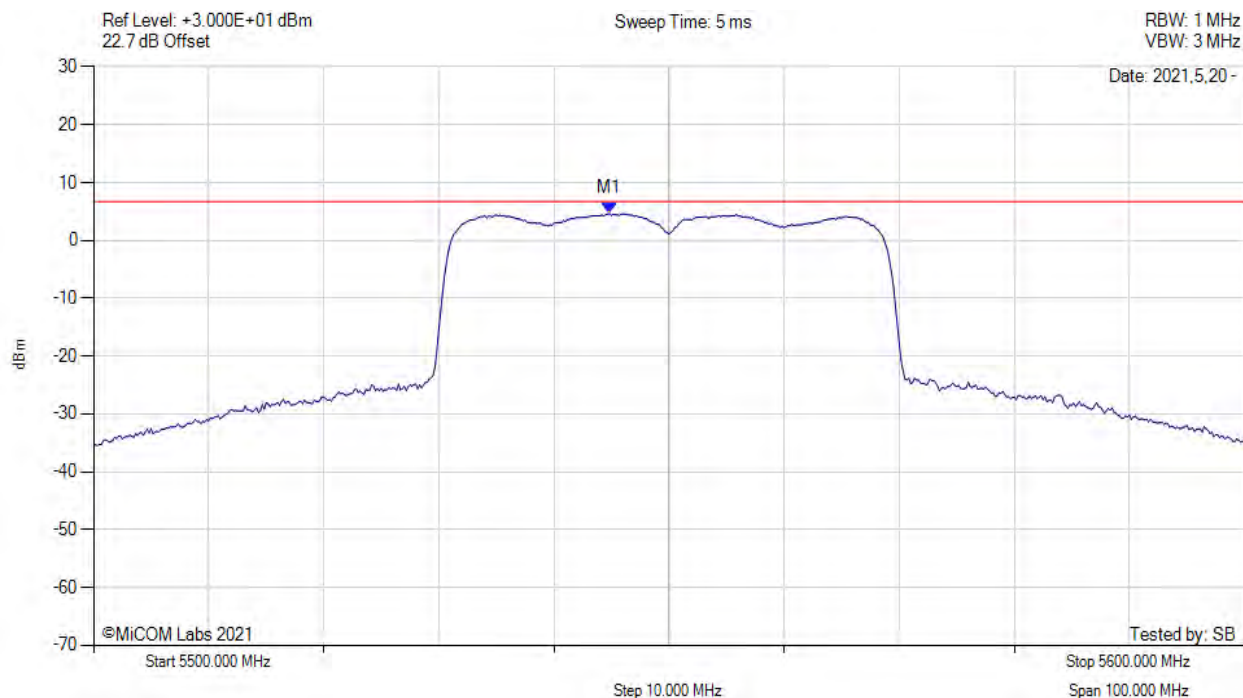
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5534.500 MHz : 4.649 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5550.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



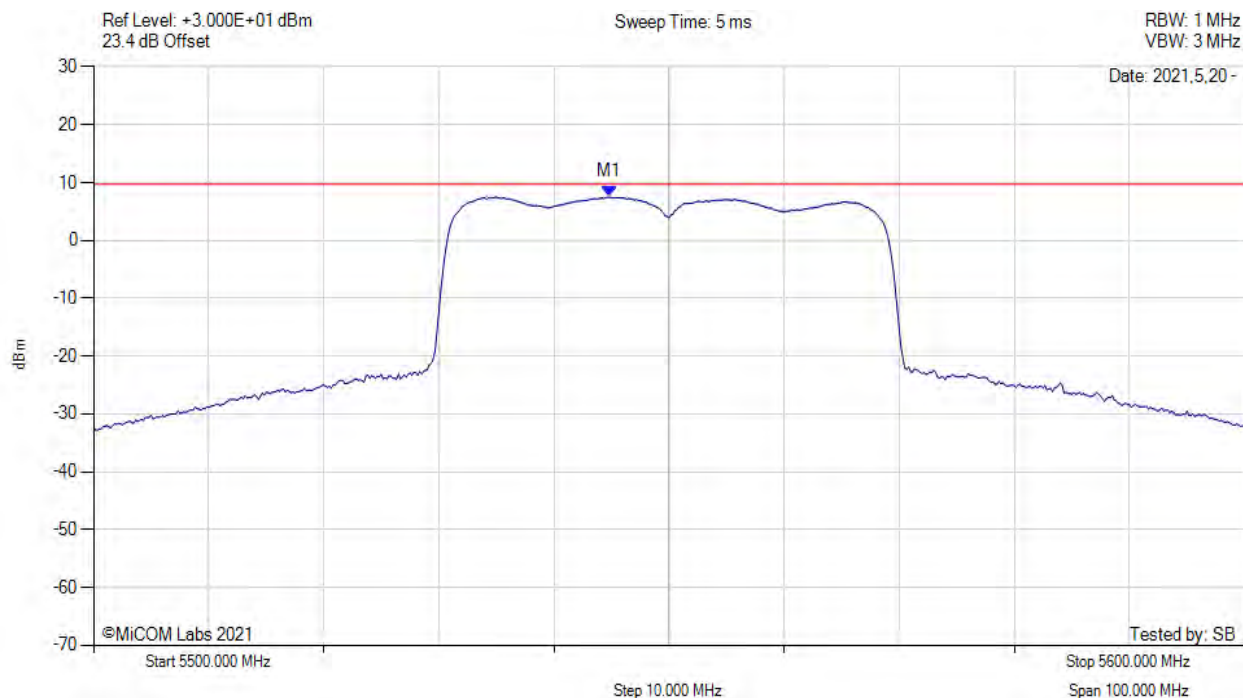
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5544.830 MHz : 4.658 dBm | Channel Frequency: 5550.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5550.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



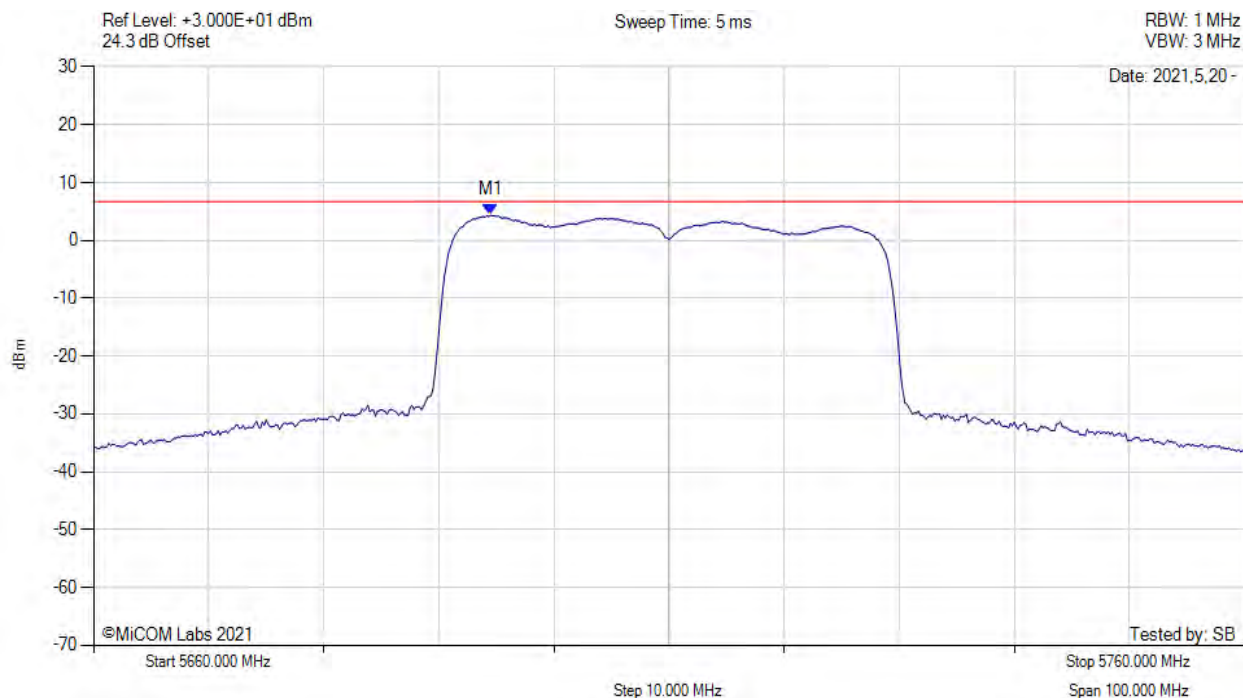
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5544.800 MHz : 7.517 dBm<br>M1 + DCCF : 5544.800 MHz : 7.561 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -2.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



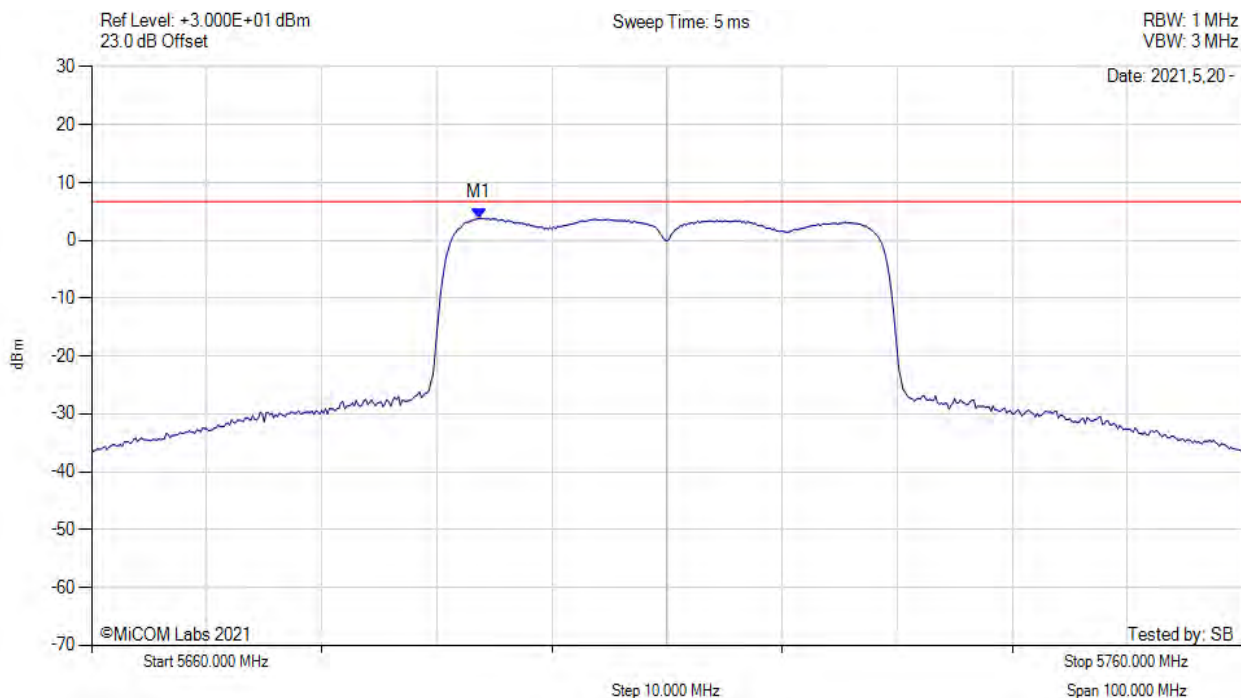
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5694.500 MHz : 4.350 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5710.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



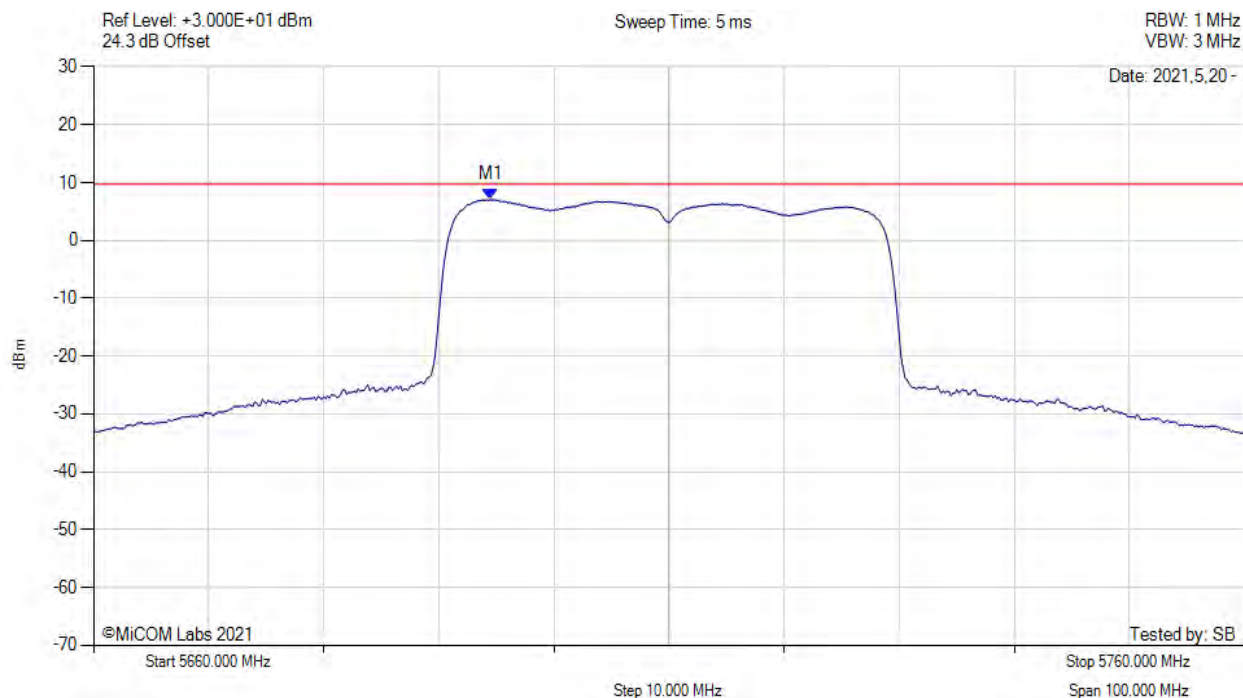
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5693.670 MHz : 3.857 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5710.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



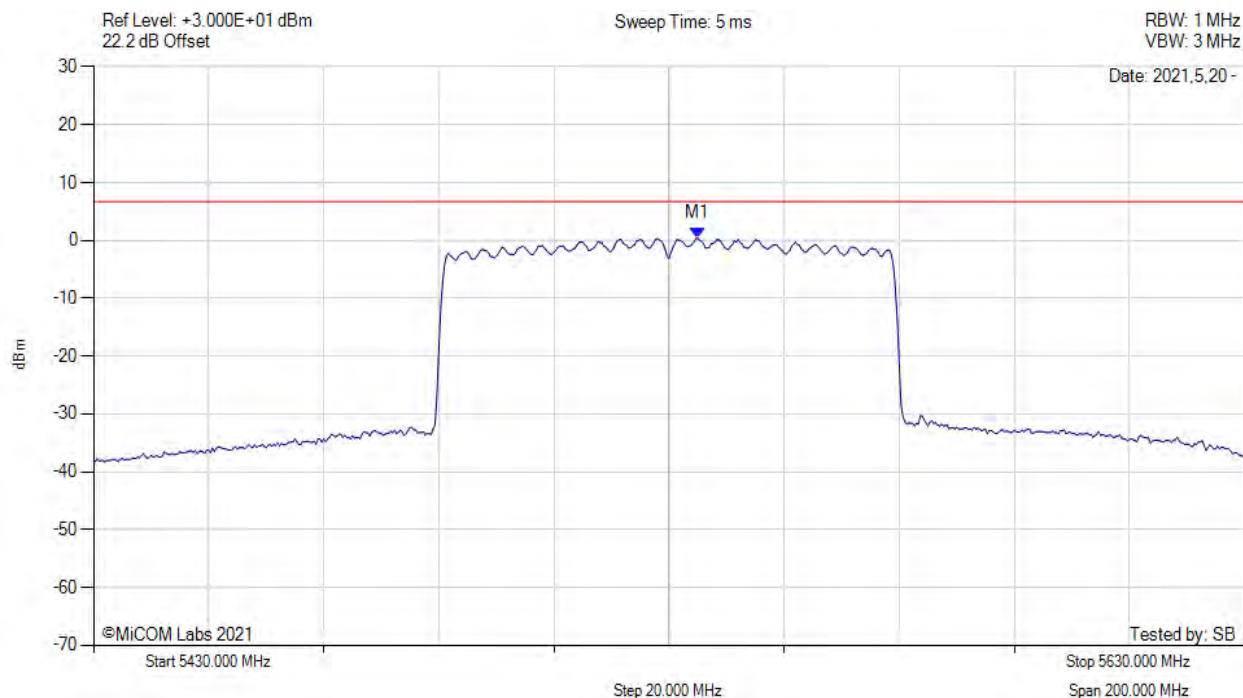
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5694.500 MHz : 7.068 dBm<br>M1 + DCCF : 5694.500 MHz : 7.112 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -2.6 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5530.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



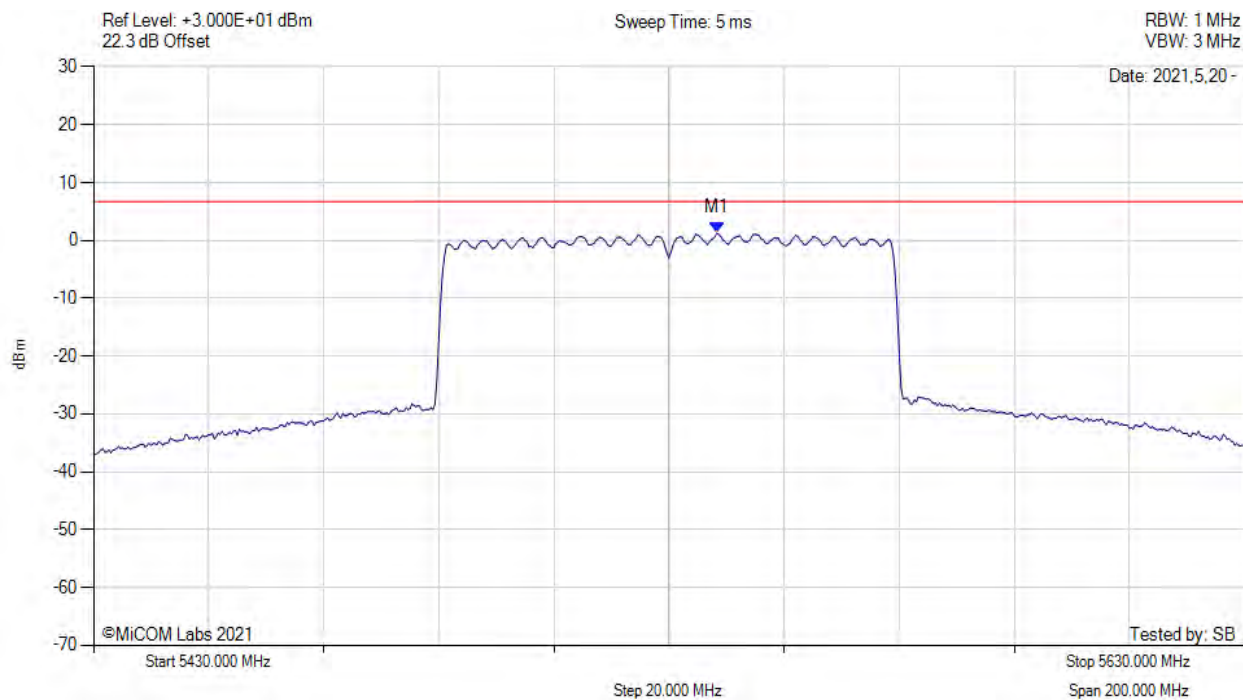
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5535.000 MHz : 0.350 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5530.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



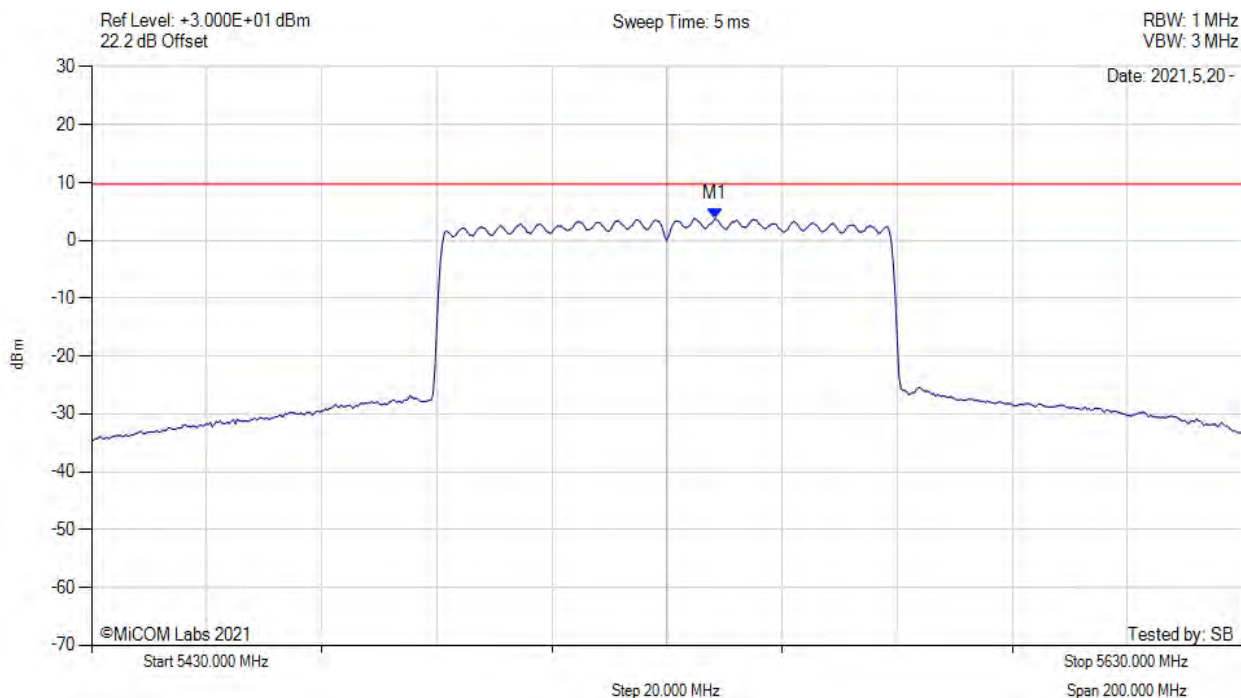
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5538.300 MHz : 1.256 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5530.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



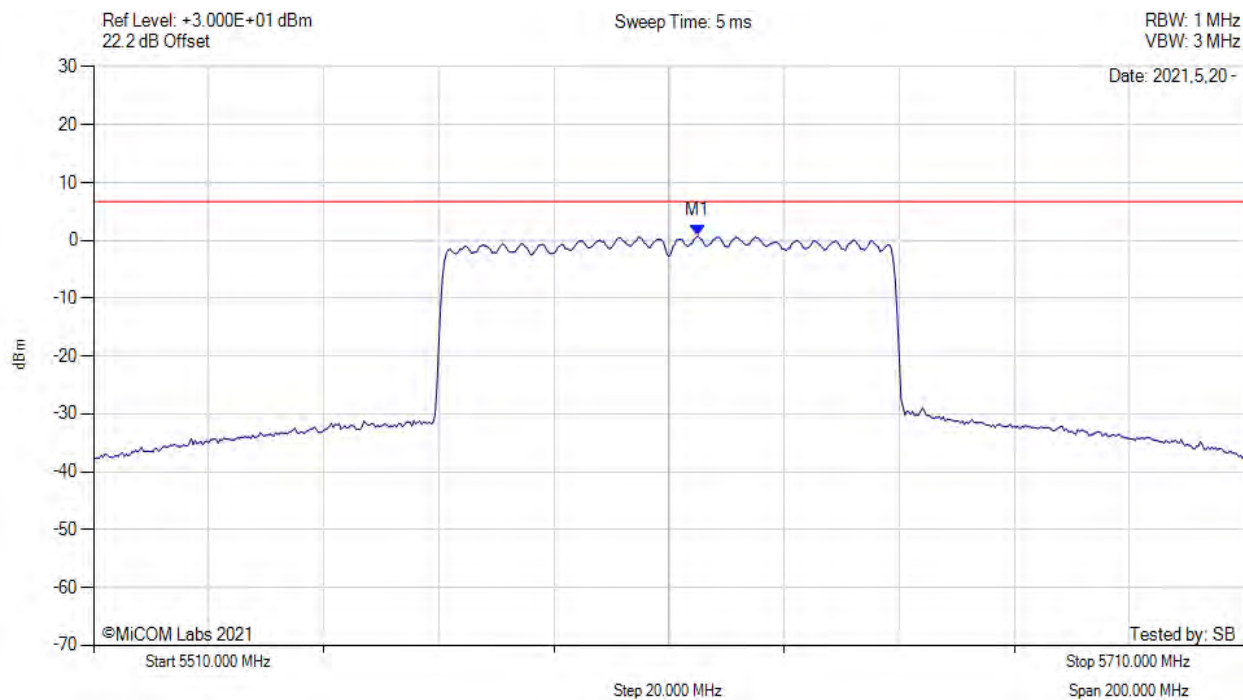
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5538.300 MHz : 3.748 dBm<br>M1 + DCCF : 5538.300 MHz : 3.925 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -5.8 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5610.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



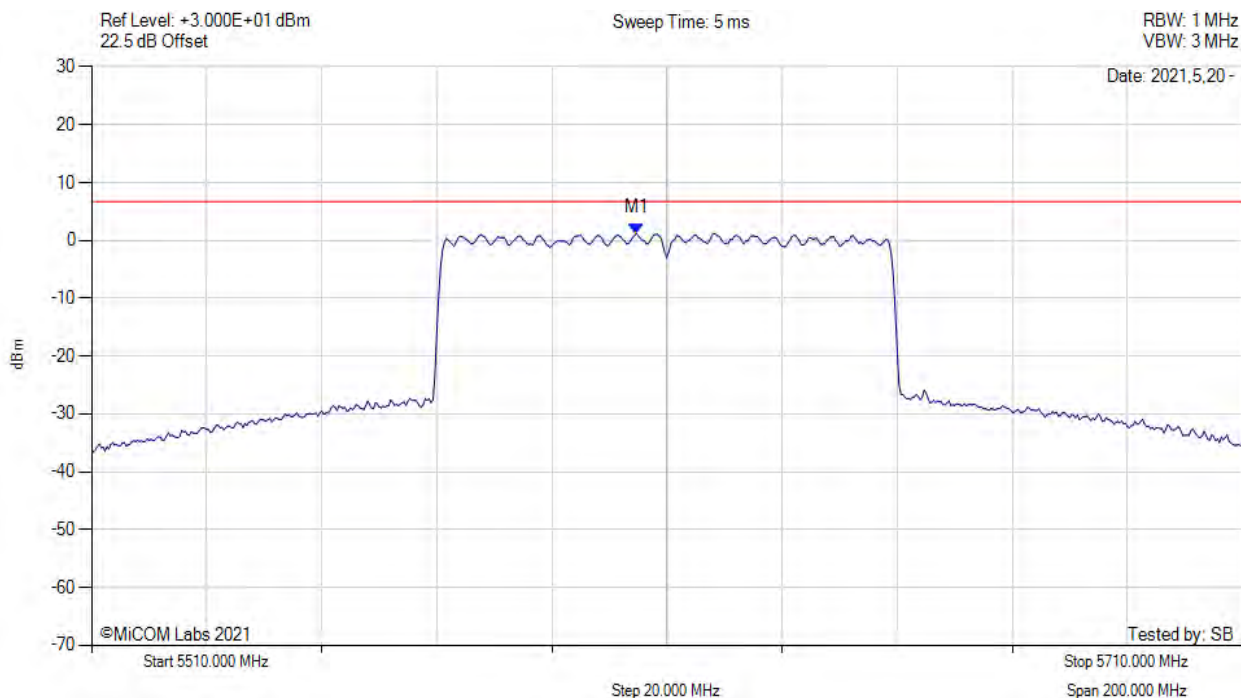
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5615.000 MHz : 0.833 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5610.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



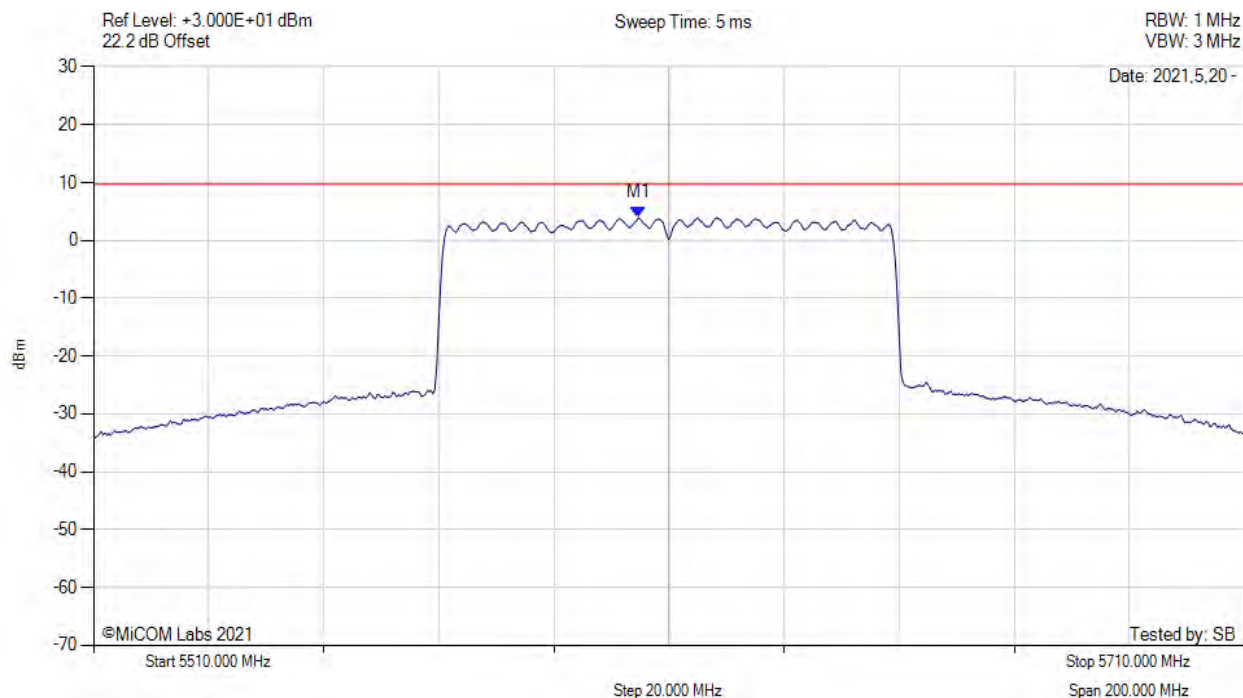
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5604.700 MHz : 1.224 dBm | Channel Frequency: 5610.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5610.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



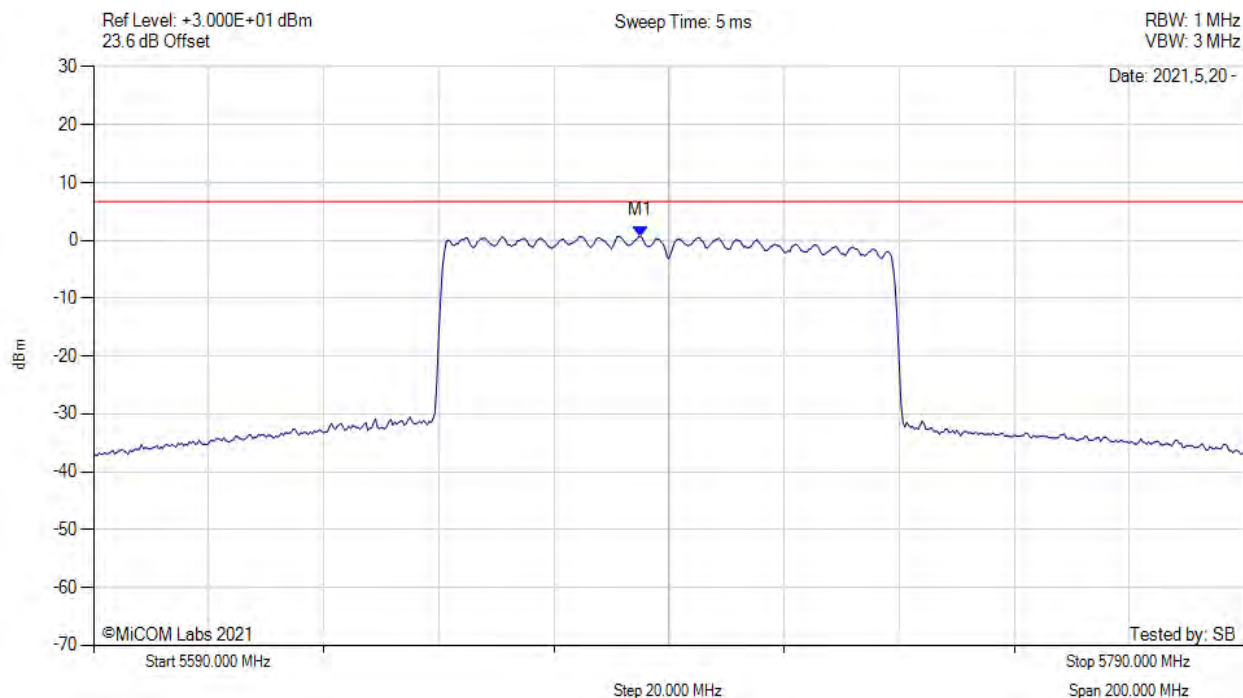
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5604.700 MHz : 3.921 dBm<br>M1 + DCCF : 5604.700 MHz : 4.098 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -5.6 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5690.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



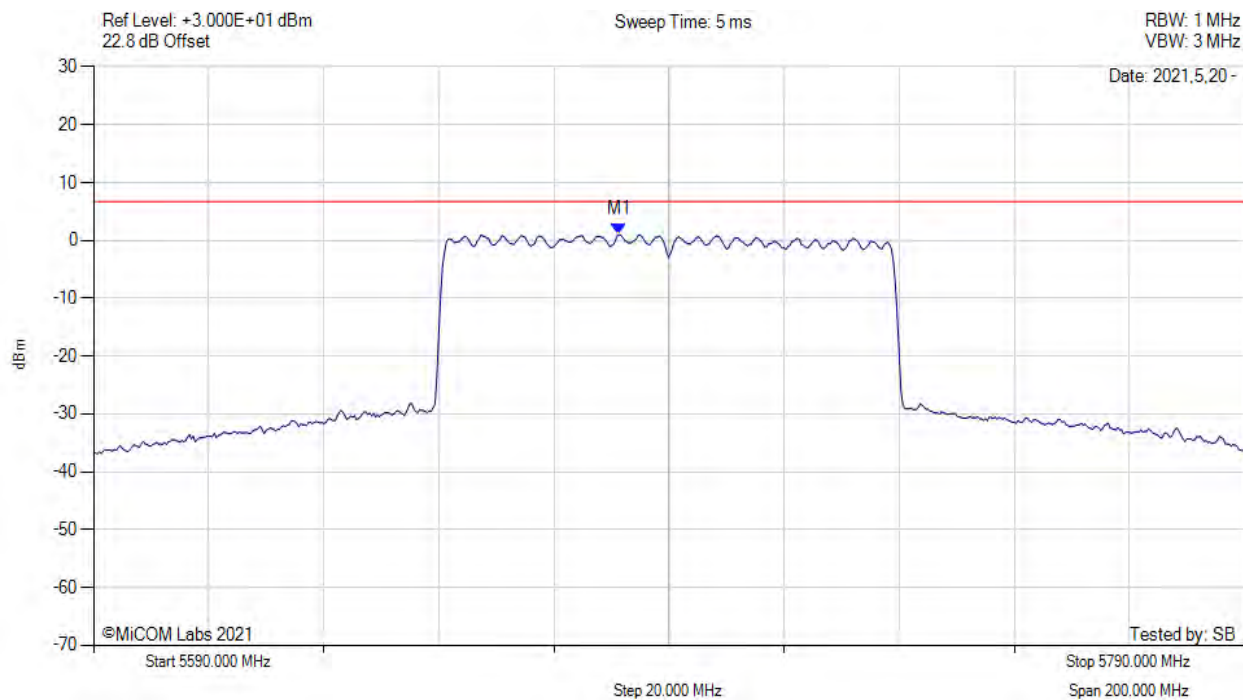
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5685.000 MHz : 0.742 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5690.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



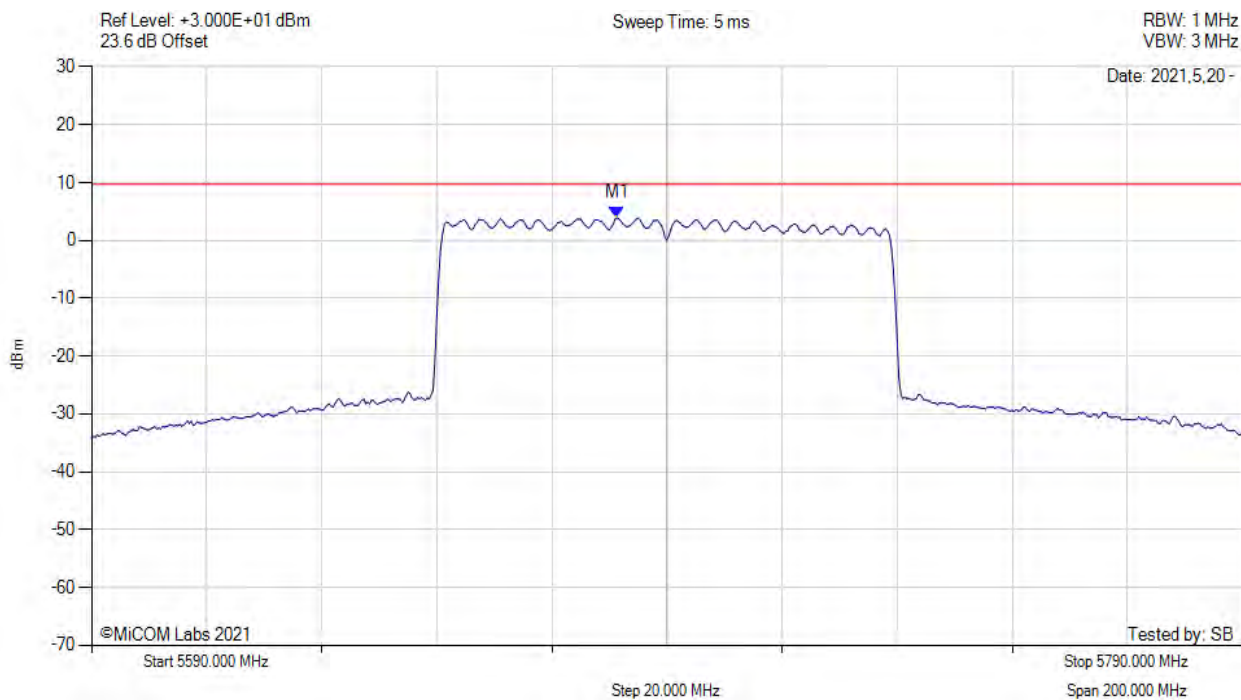
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5681.300 MHz : 1.027 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5690.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



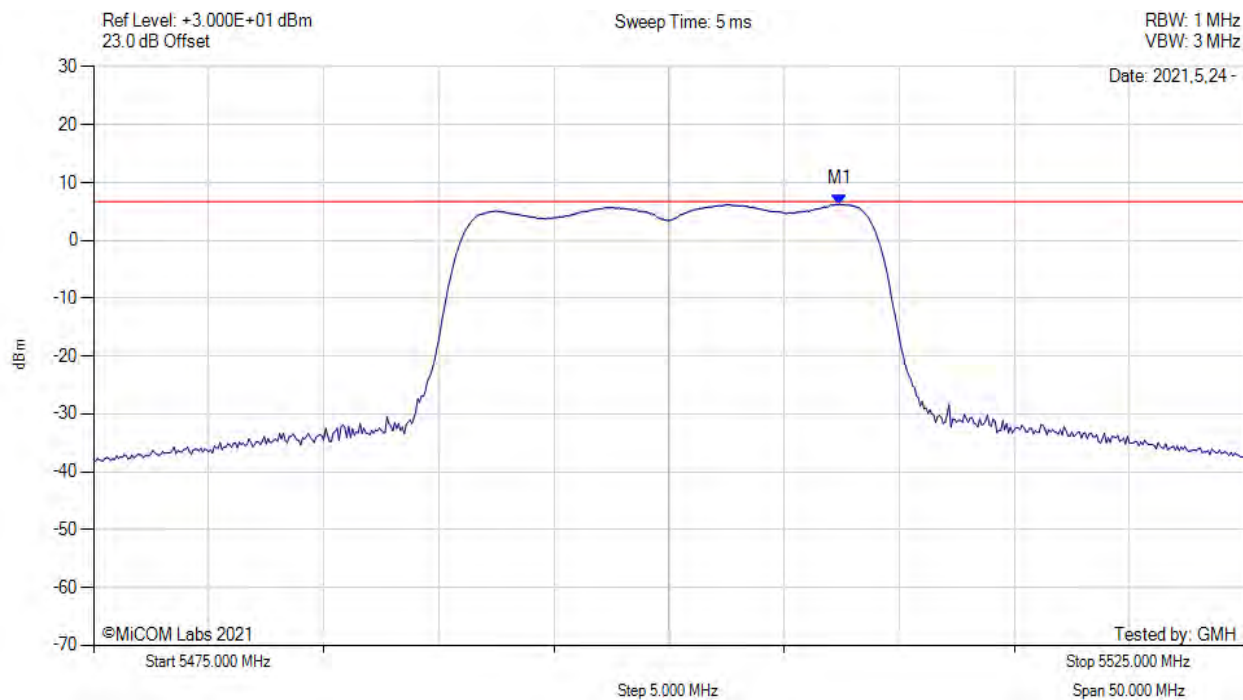
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5681.300 MHz : 3.884 dBm<br>M1 + DCCF : 5681.300 MHz : 4.061 dBm<br>Duty Cycle Correction Factor : +0.18 dB | Limit: $\leq 9.7$ dBm<br>Margin: -5.6 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



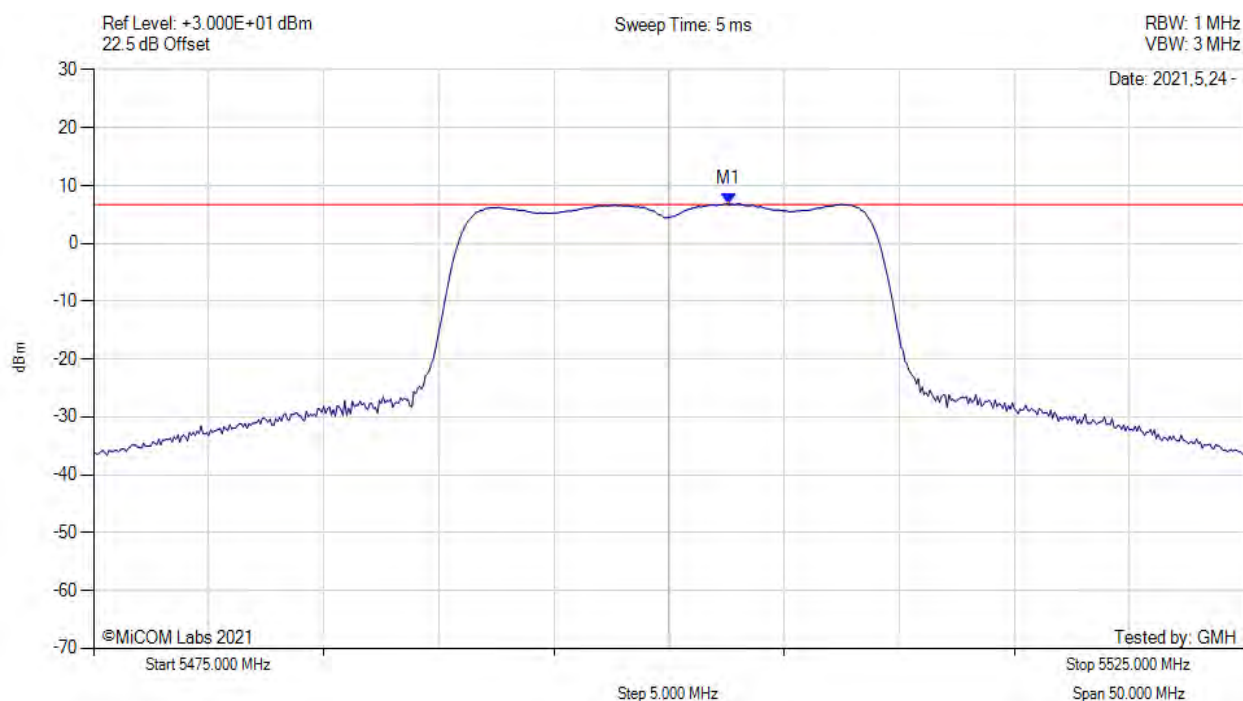
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5507.420 MHz : 6.237 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



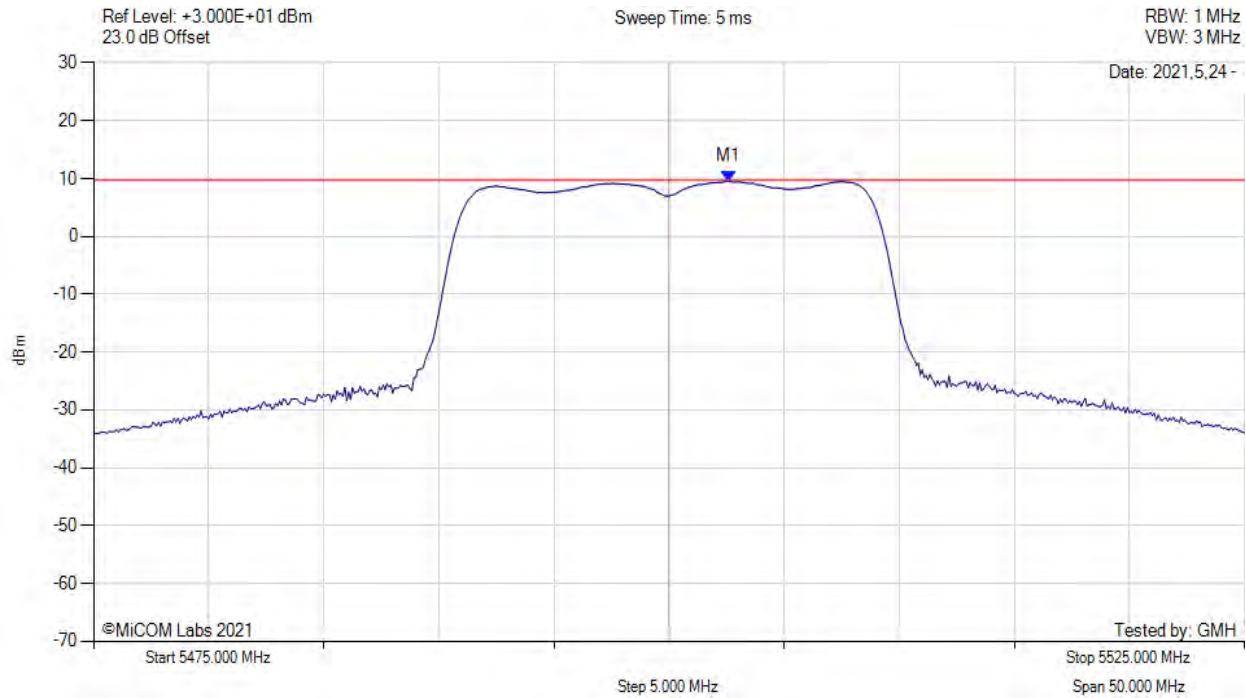
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5502.580 MHz : 6.866 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



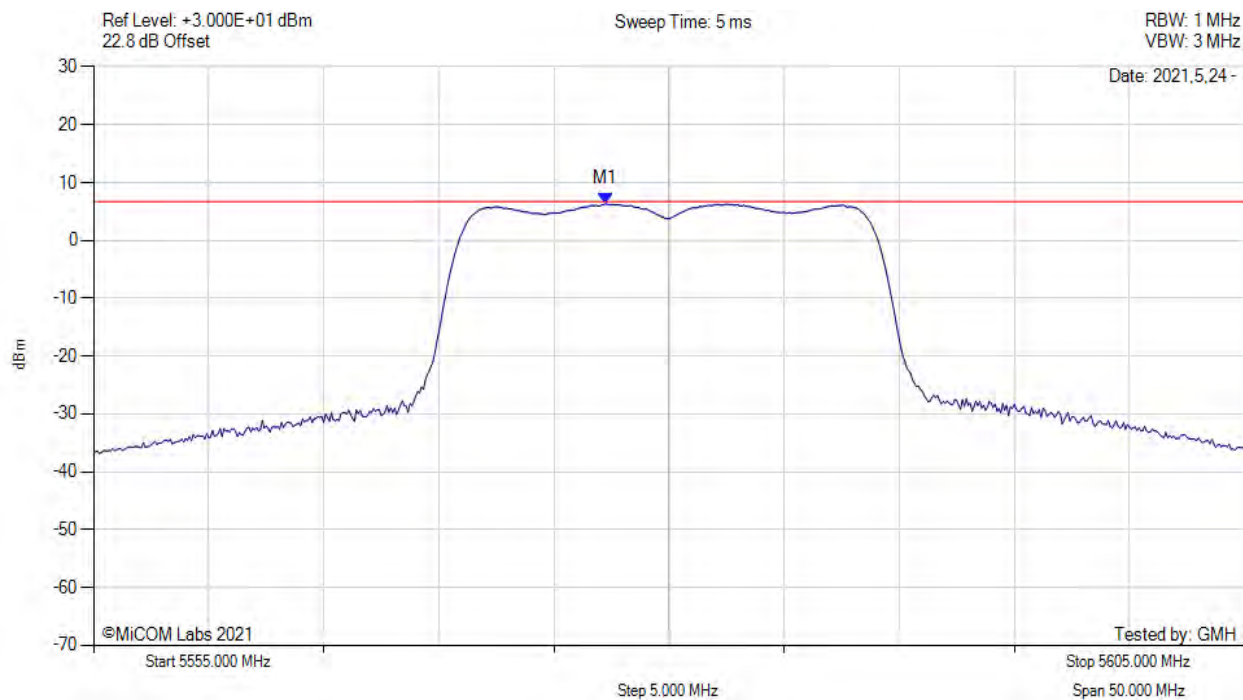
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5502.600 MHz : 9.539 dBm<br>M1 + DCCF : 5502.600 MHz : 9.583 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



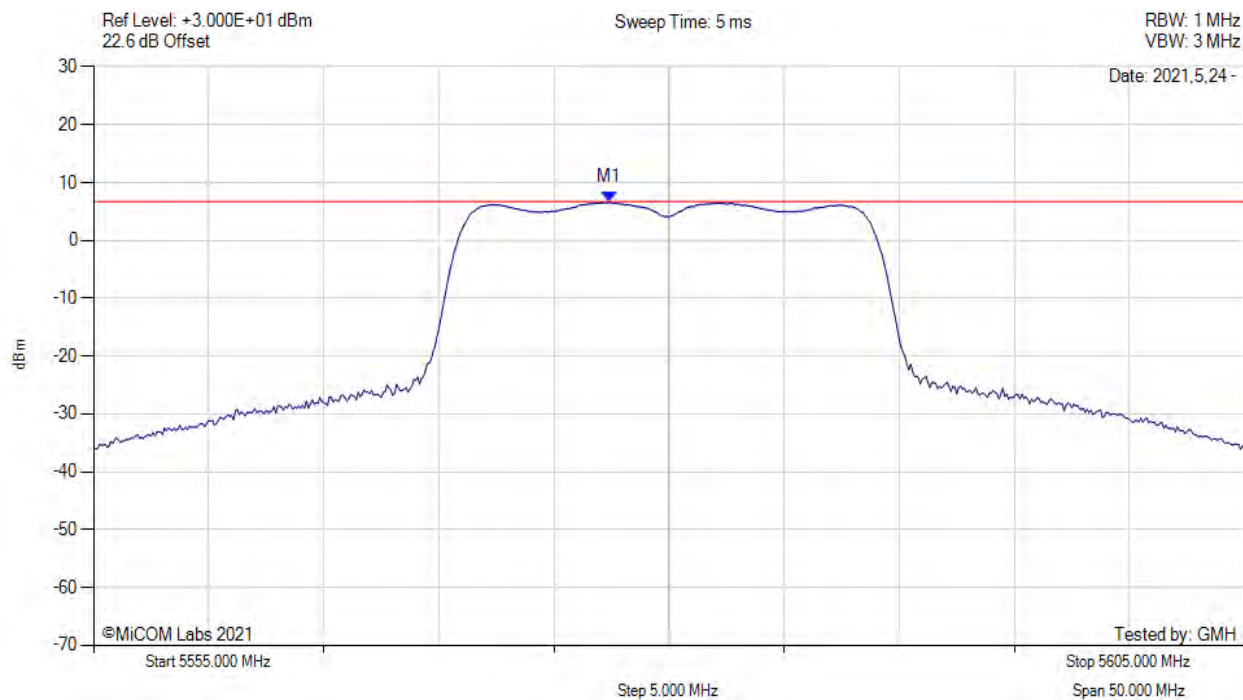
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5577.250 MHz : 6.373 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



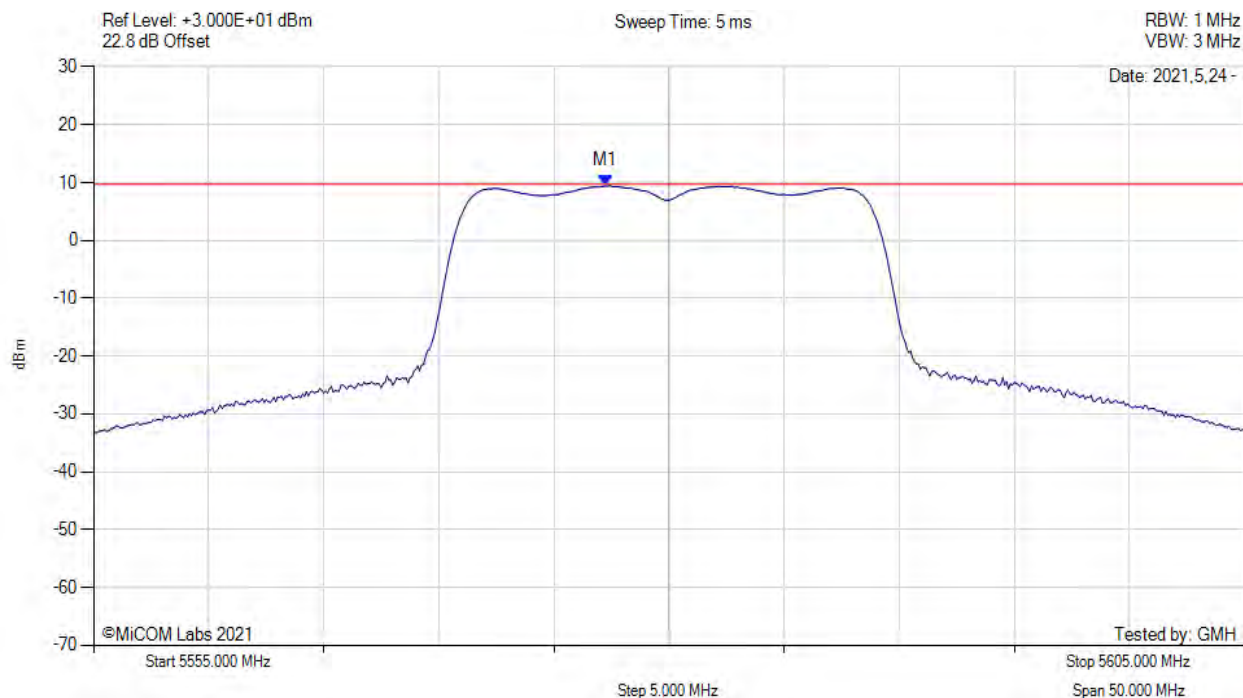
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5577.420 MHz : 6.650 dBm | Channel Frequency: 5580.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



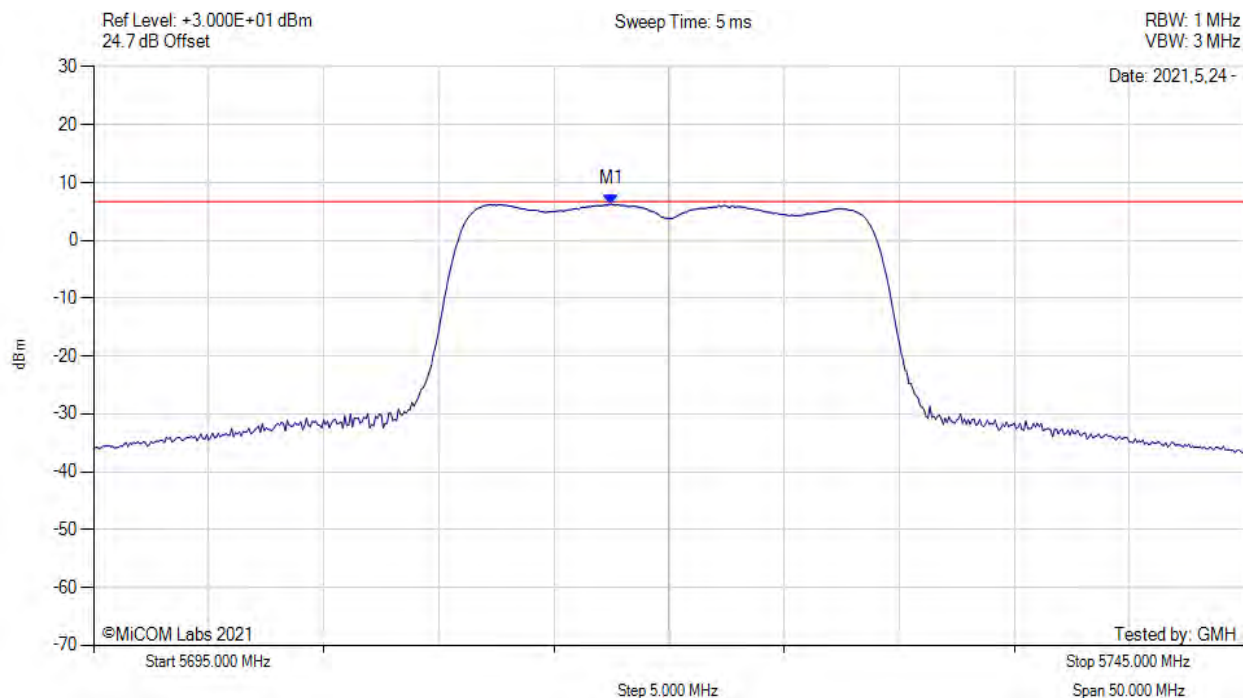
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5577.300 MHz : 9.429 dBm<br>M1 + DCCF : 5577.300 MHz : 9.473 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.2 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



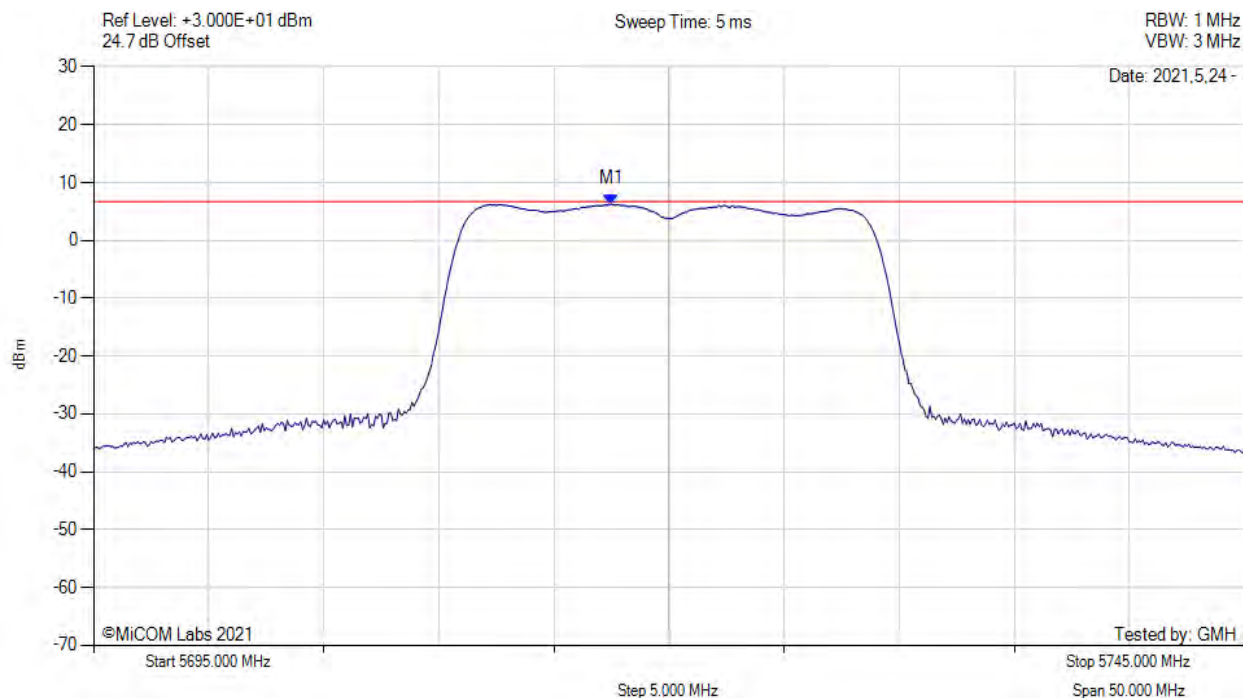
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5717.500 MHz : 6.254 dBm | Channel Frequency: 5720.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



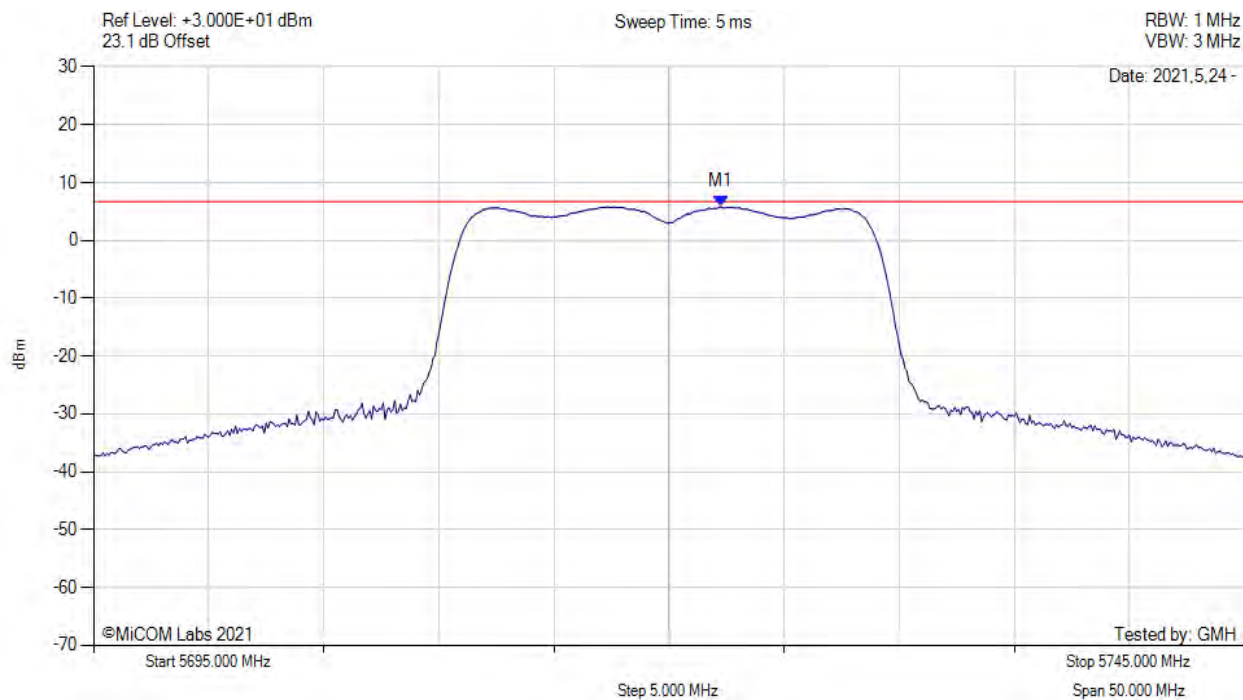
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5717.500 MHz : 6.254 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



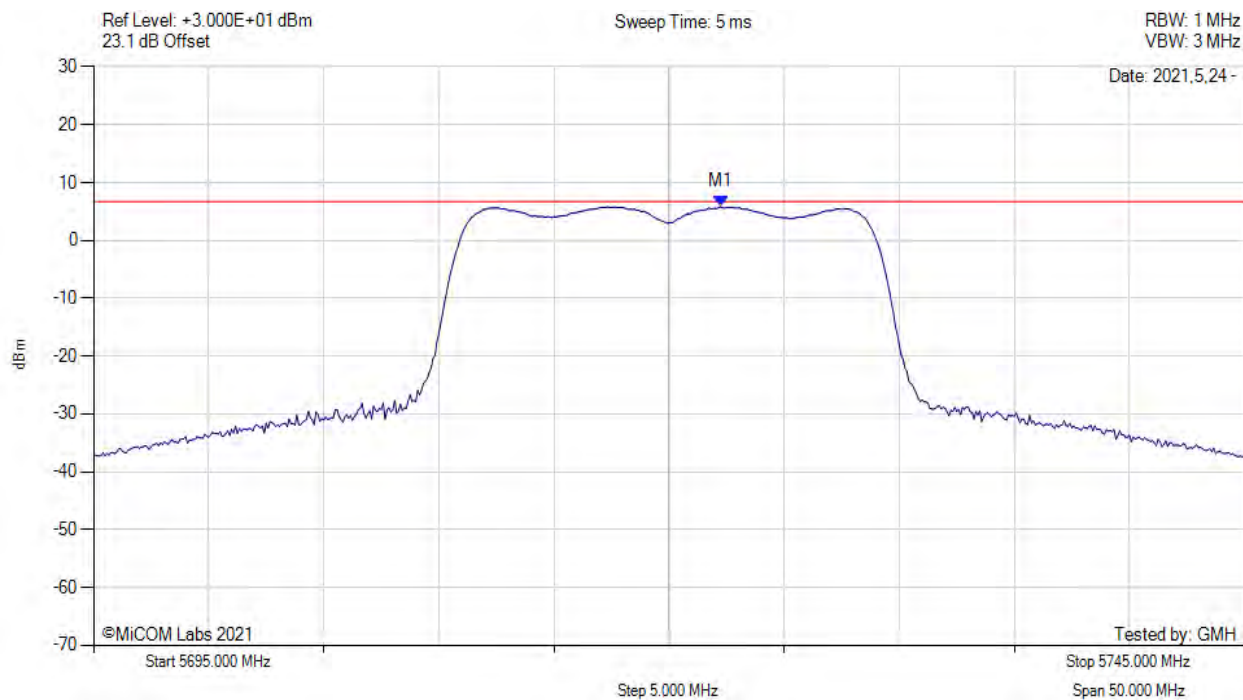
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5722.250 MHz : 5.813 dBm | Channel Frequency: 5720.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



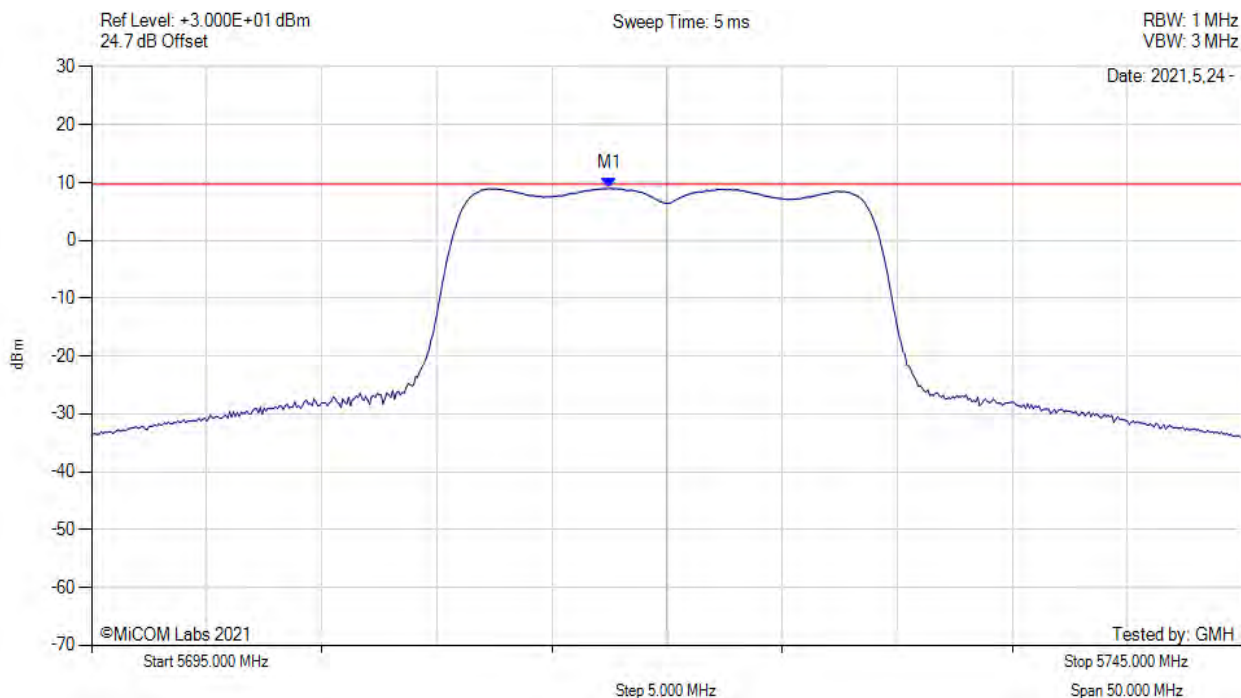
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5722.250 MHz : 5.813 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



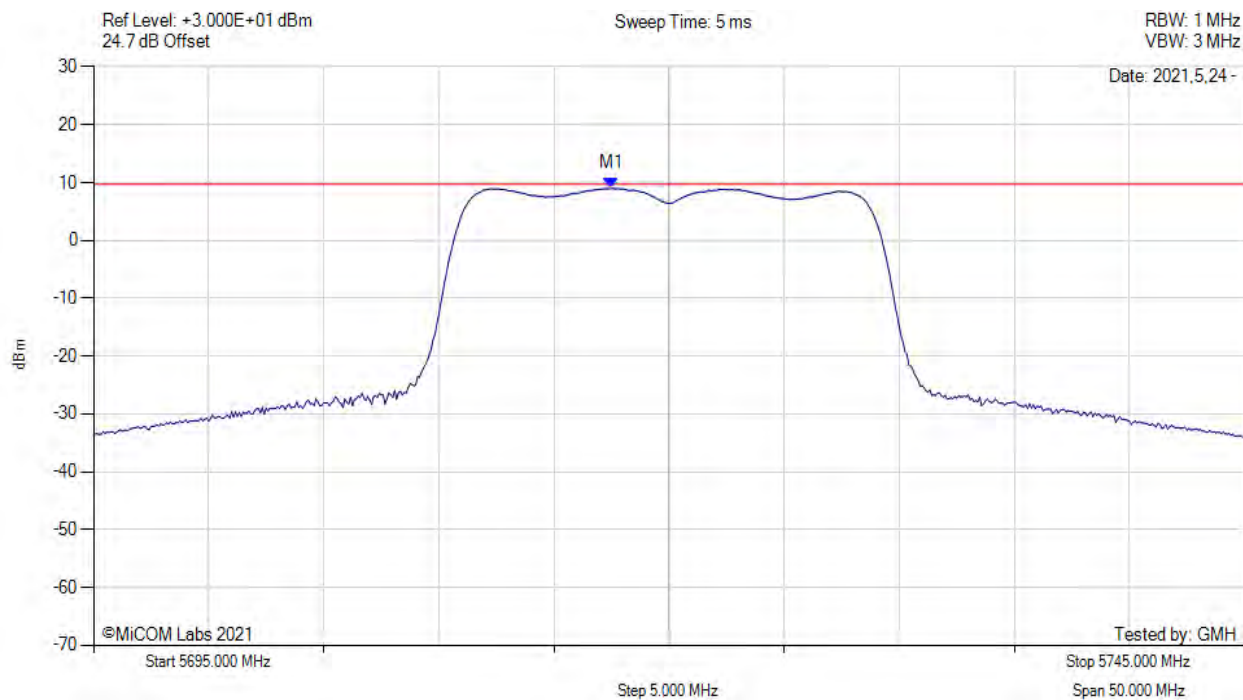
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5717.500 MHz : 8.991 dBm | Channel Frequency: 5720.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



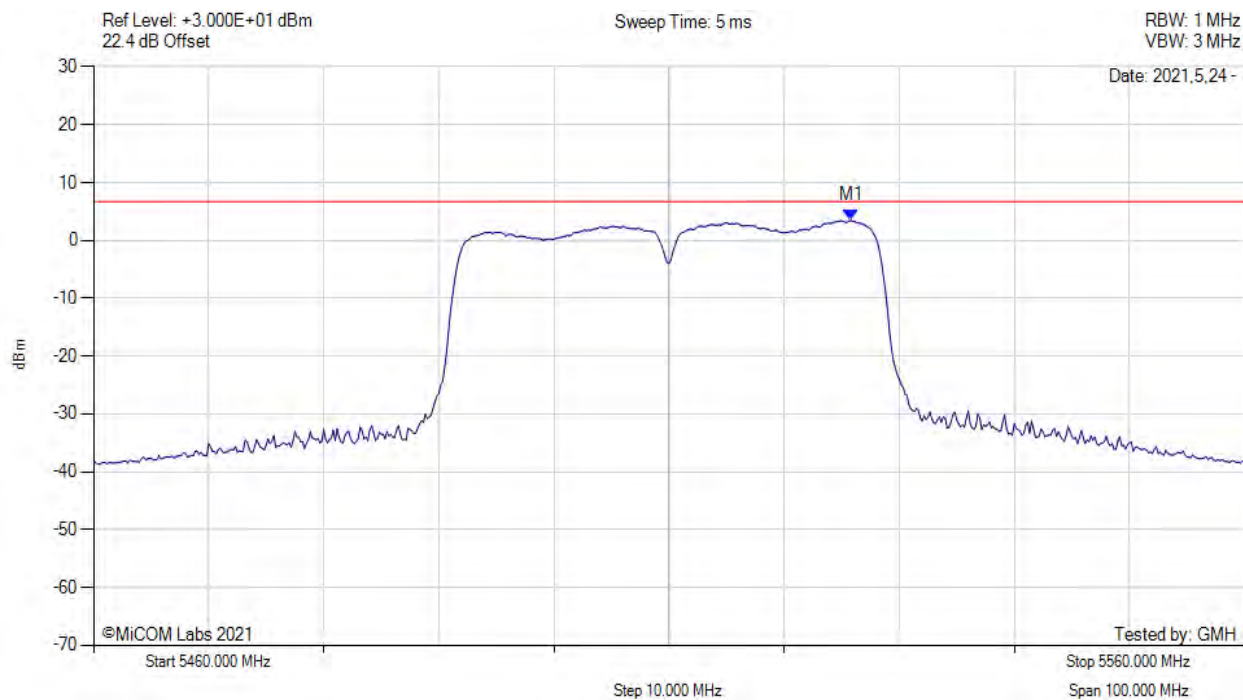
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5717.500 MHz : 8.991 dBm<br>M1 + DCCF : 5717.500 MHz : 9.035 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -0.7 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



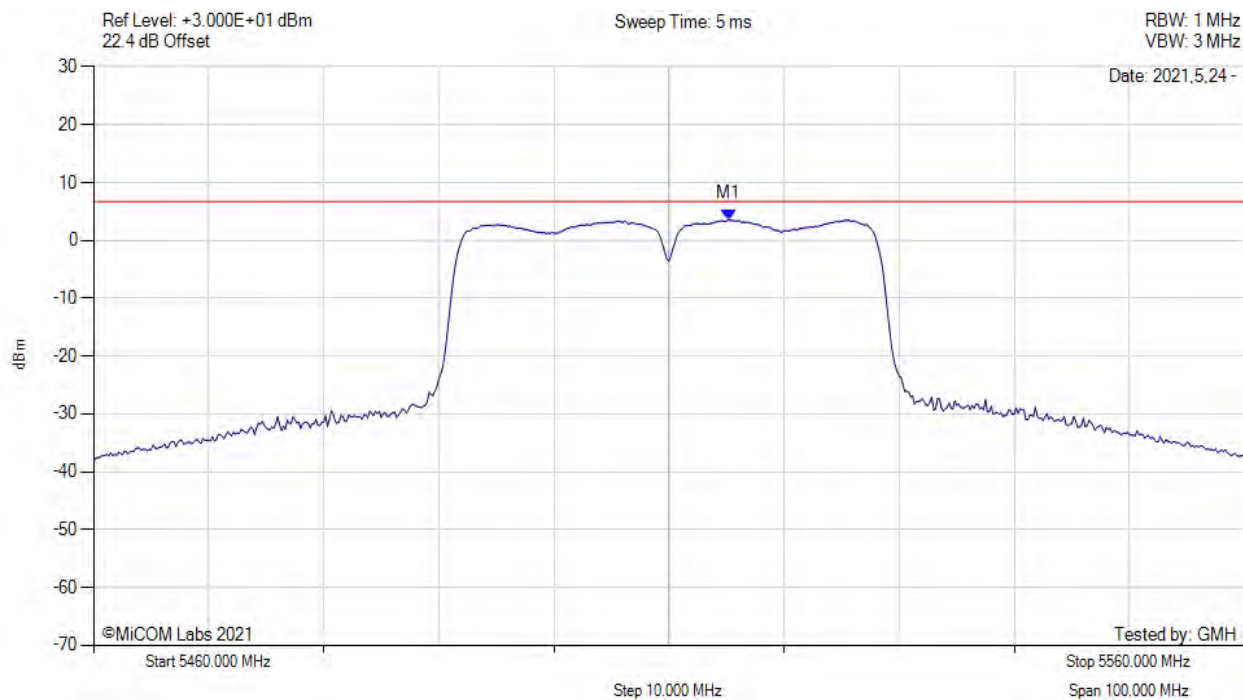
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5525.830 MHz : 3.440 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



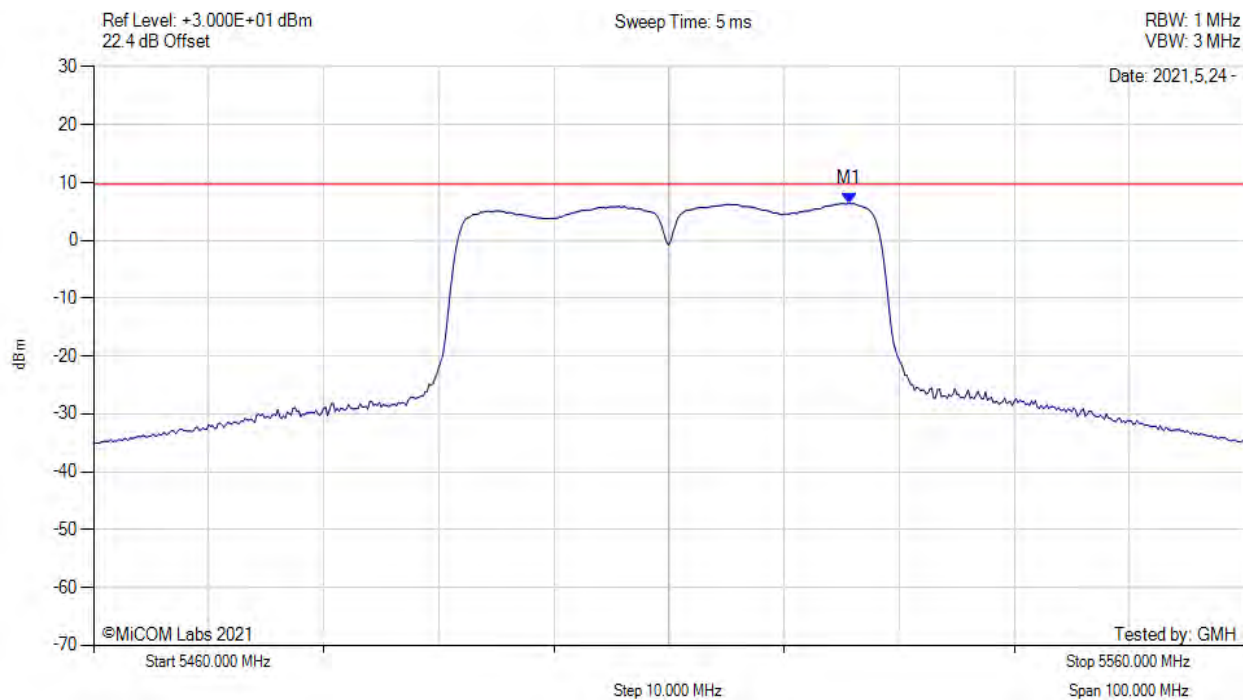
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5515.170 MHz : 3.604 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5510.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



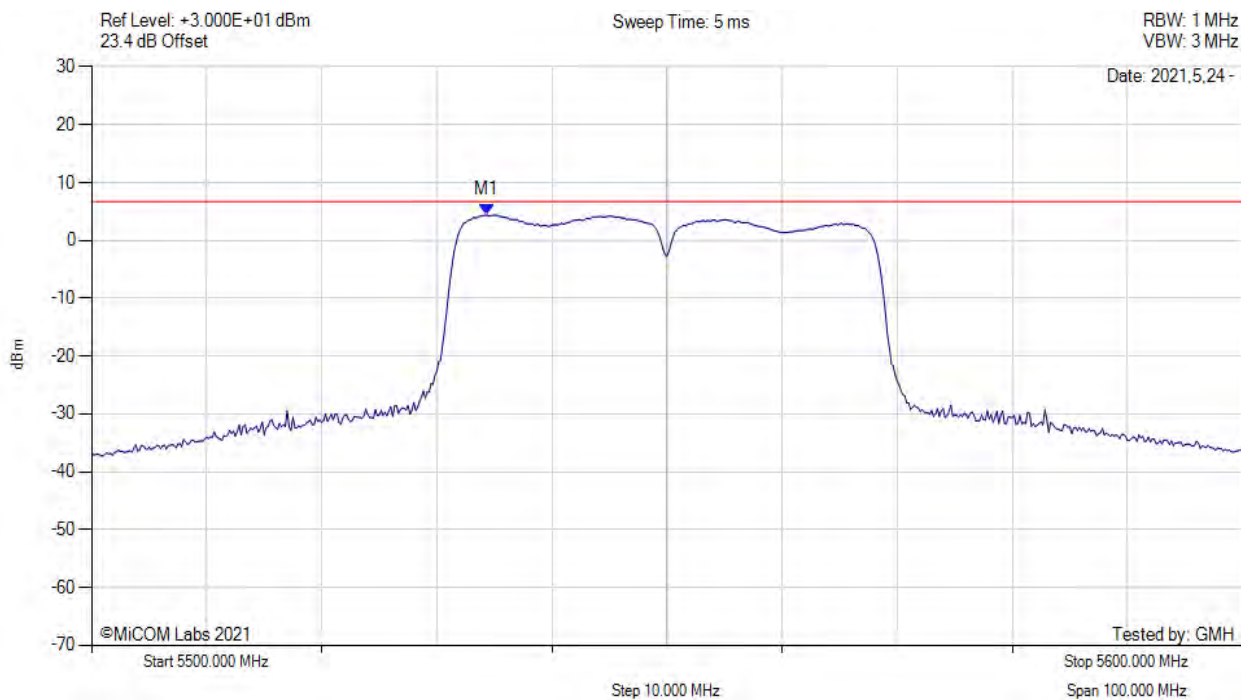
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5525.700 MHz : 6.440 dBm<br>M1 + DCCF : 5525.700 MHz : 6.484 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 9.7 dBm<br>Margin: -3.2 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



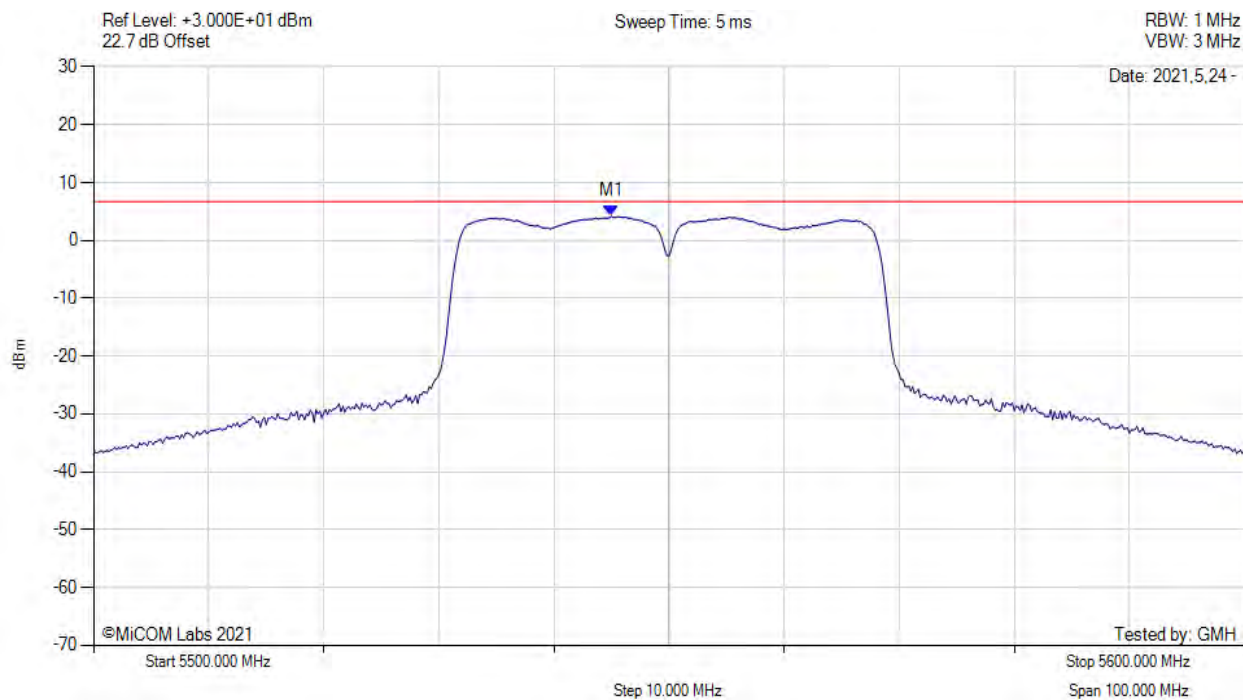
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5534.330 MHz : 4.414 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



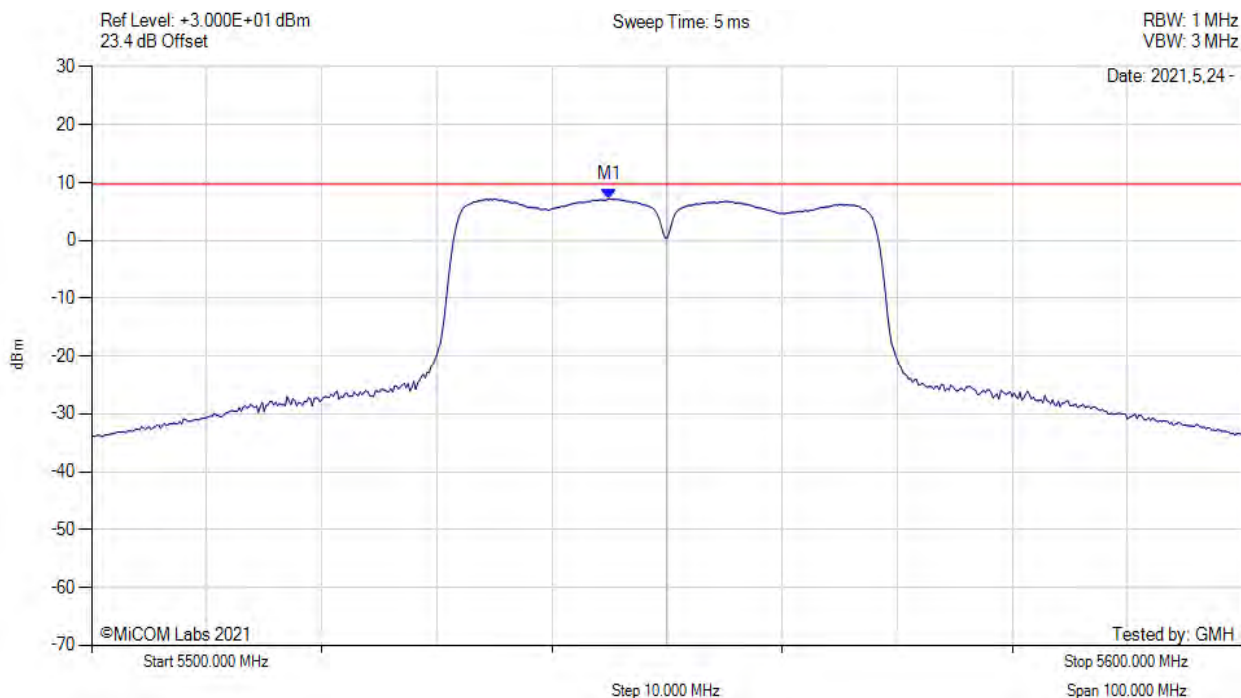
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5545.000 MHz : 4.176 dBm | Channel Frequency: 5550.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5550.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



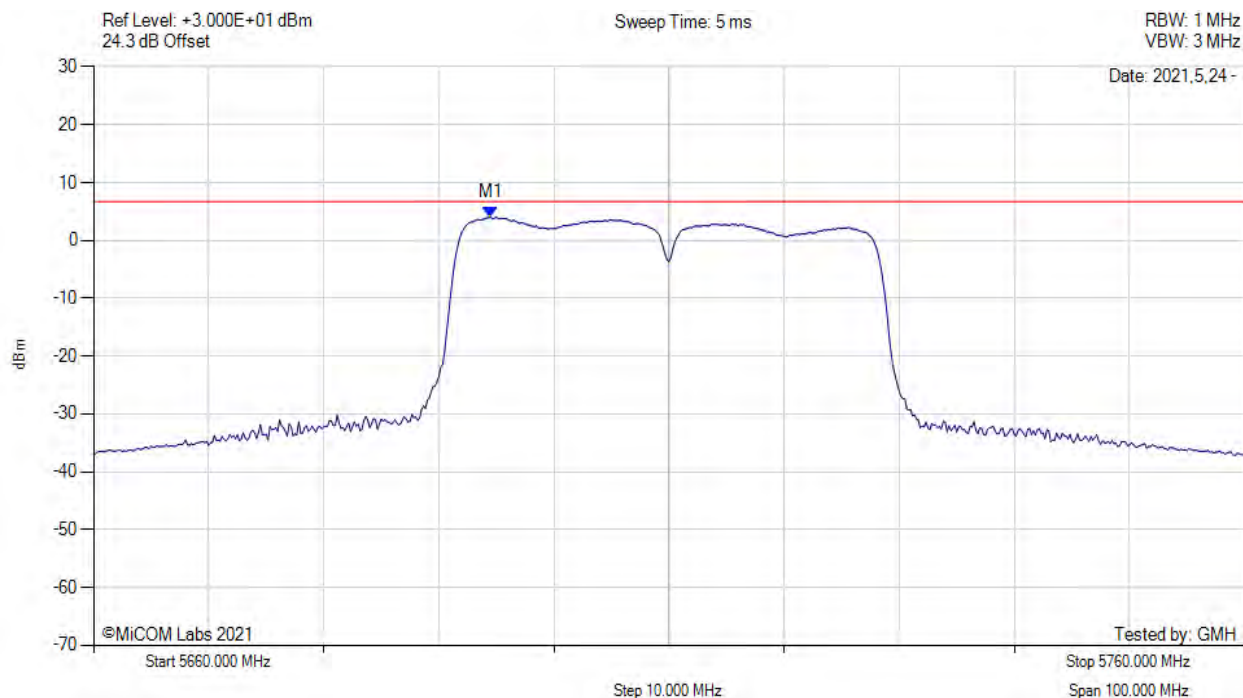
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5545.000 MHz : 7.181 dBm<br>M1 + DCCF : 5545.000 MHz : 7.225 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 9.7 dBm<br>Margin: -2.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



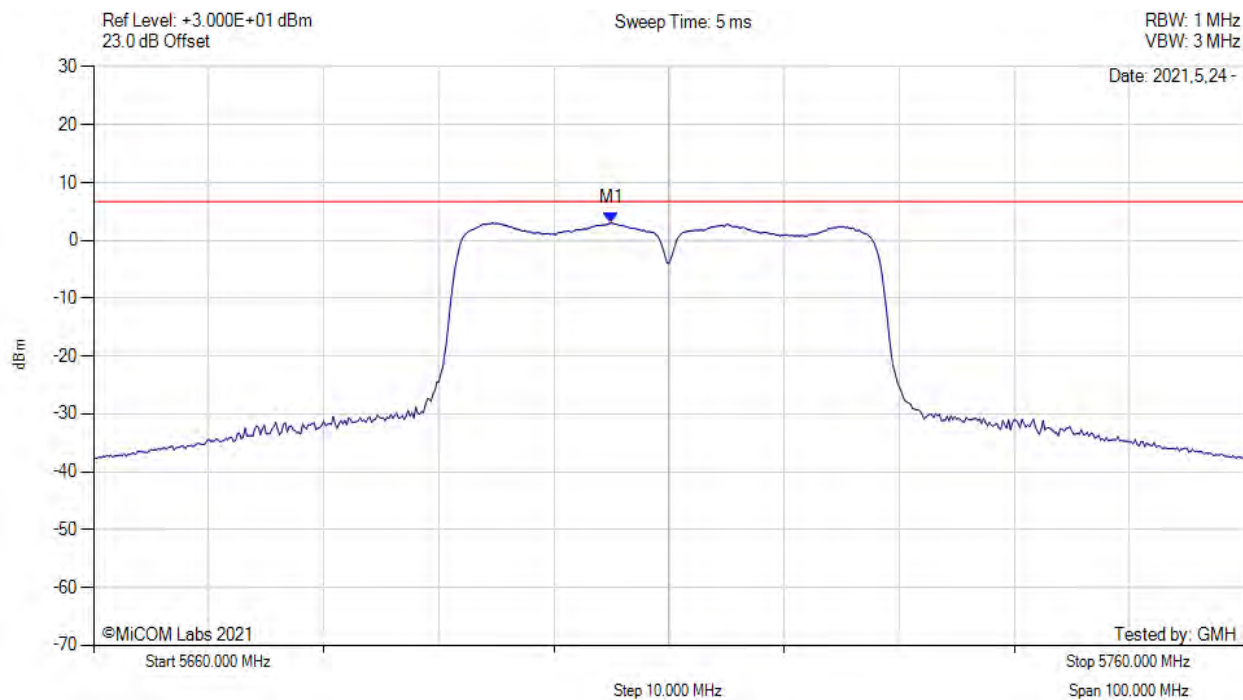
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5694.500 MHz : 4.045 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



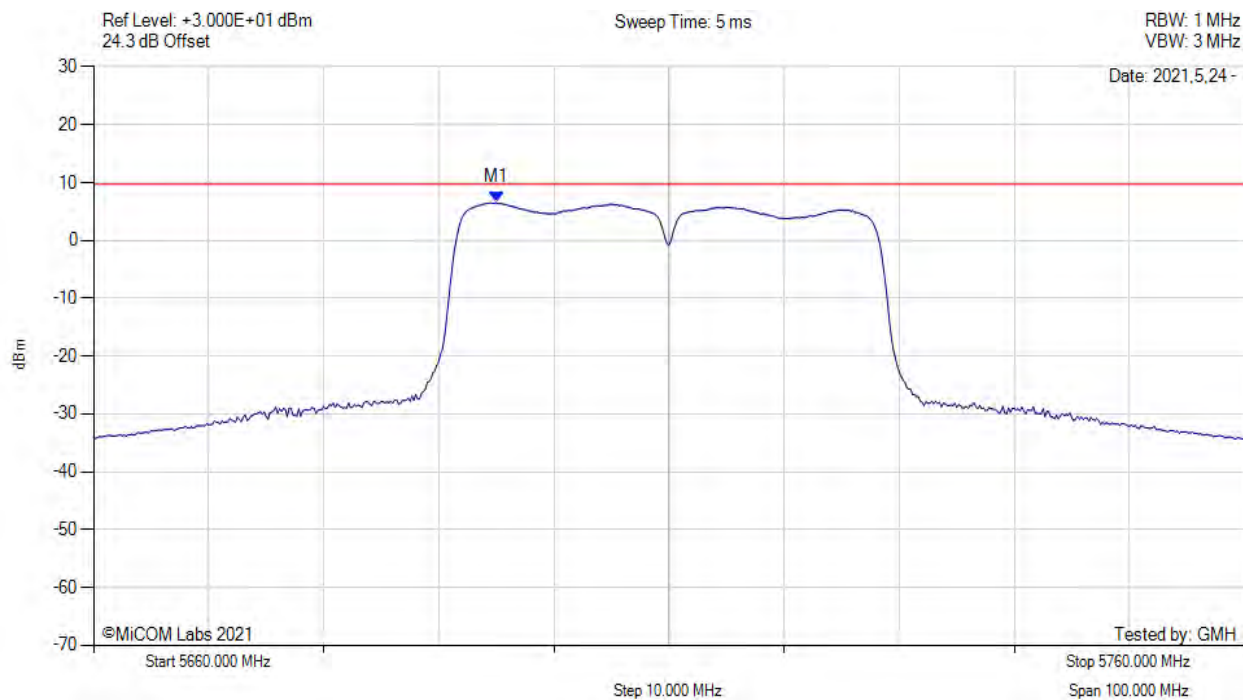
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results       |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5705.000 MHz : 3.075 dBm | Limit: ≤ 6.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5710.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



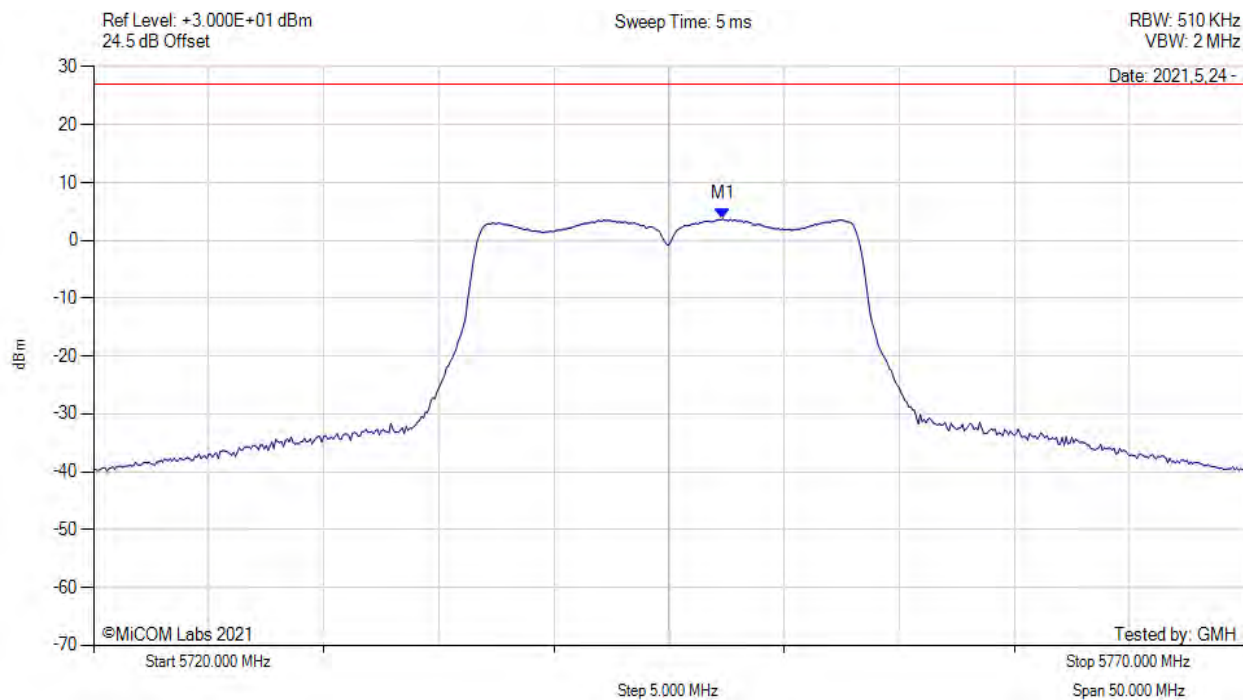
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                             |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5695.000 MHz : 6.522 dBm<br>M1 + DCCF : 5695.000 MHz : 6.566 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 9.7$ dBm<br>Margin: -3.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



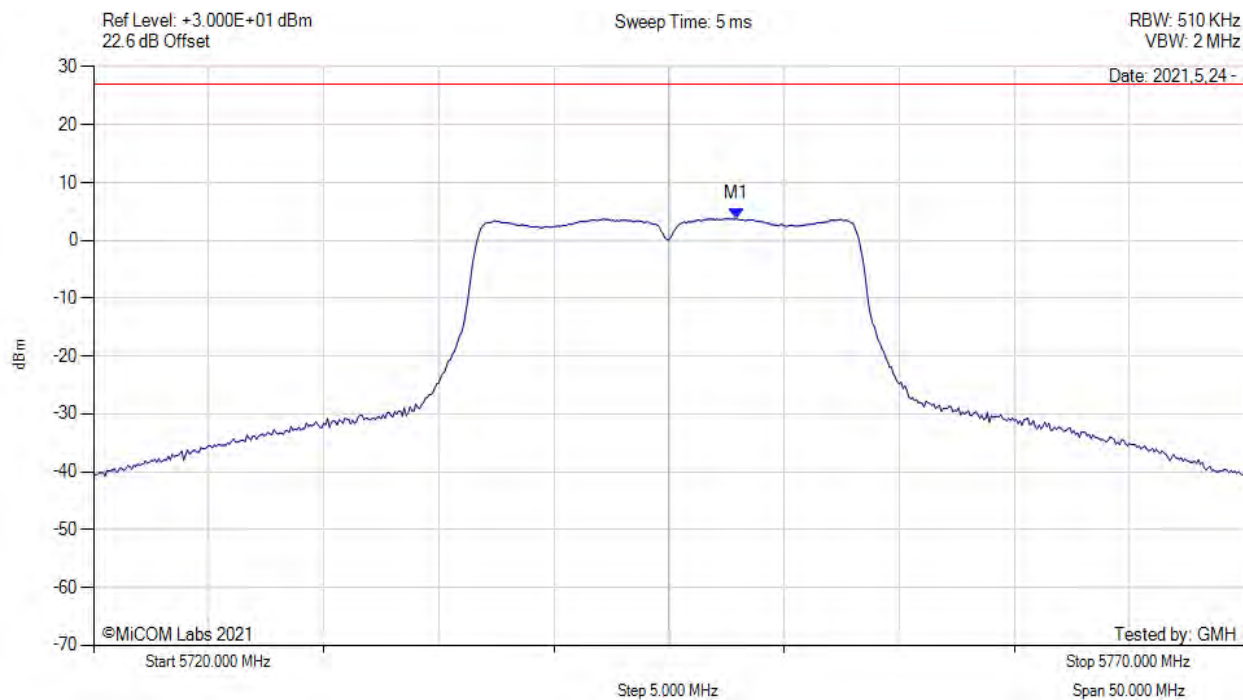
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.330 MHz : 3.692 dBm | Limit: ≤ 26.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



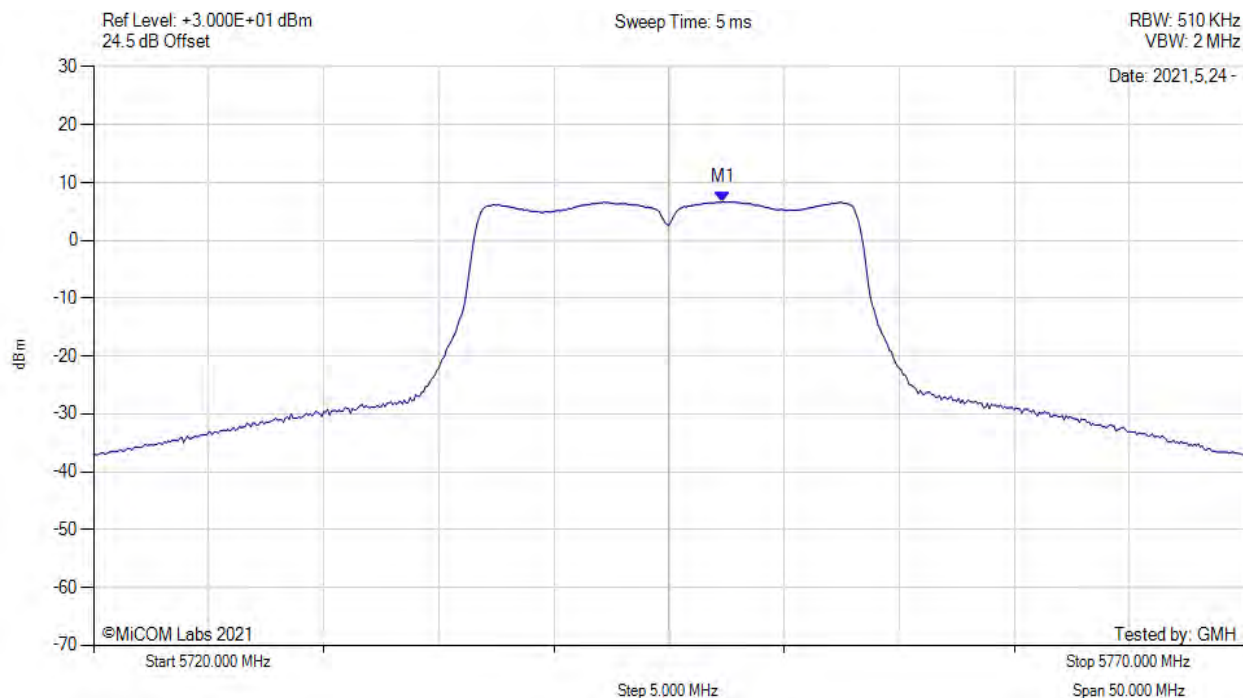
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.920 MHz : 3.776 dBm | Limit: ≤ 26.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5745.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



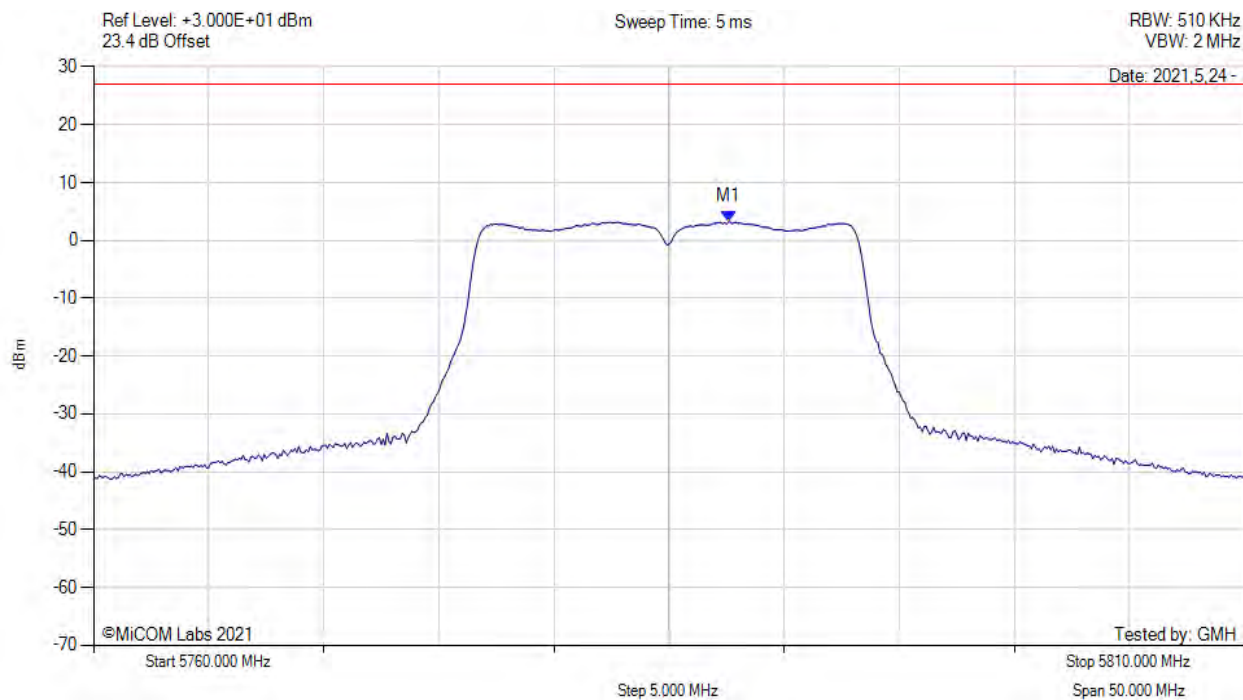
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.300 MHz : 6.676 dBm<br>M1 + DCCF : 5747.300 MHz : 6.720 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 30.0$ dBm<br>Margin: -23.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



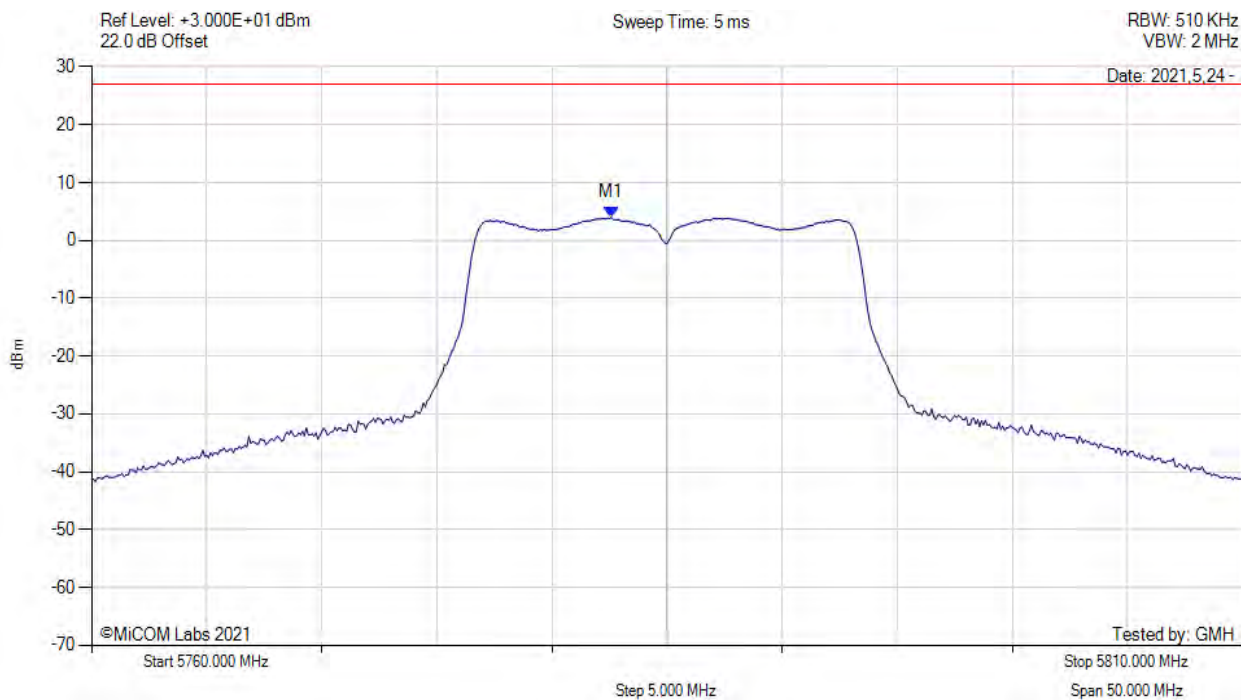
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5787.580 MHz : 3.218 dBm | Limit: ≤ 26.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



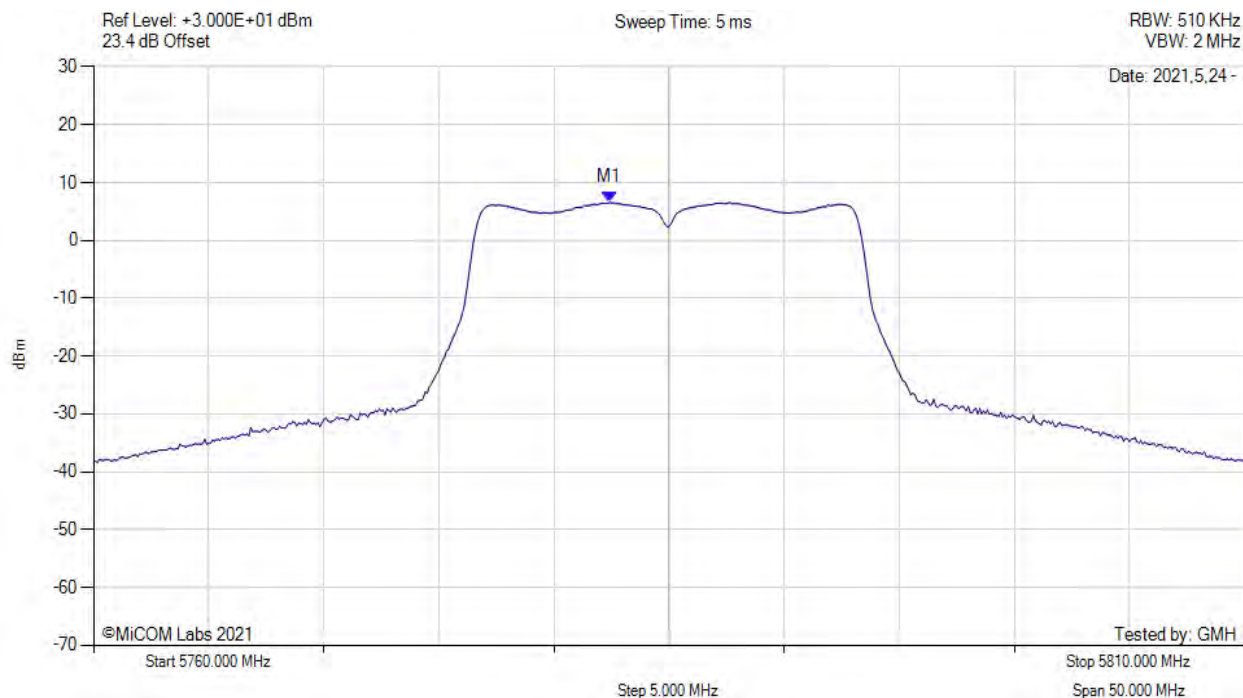
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5782.580 MHz : 3.979 dBm | Channel Frequency: 5785.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



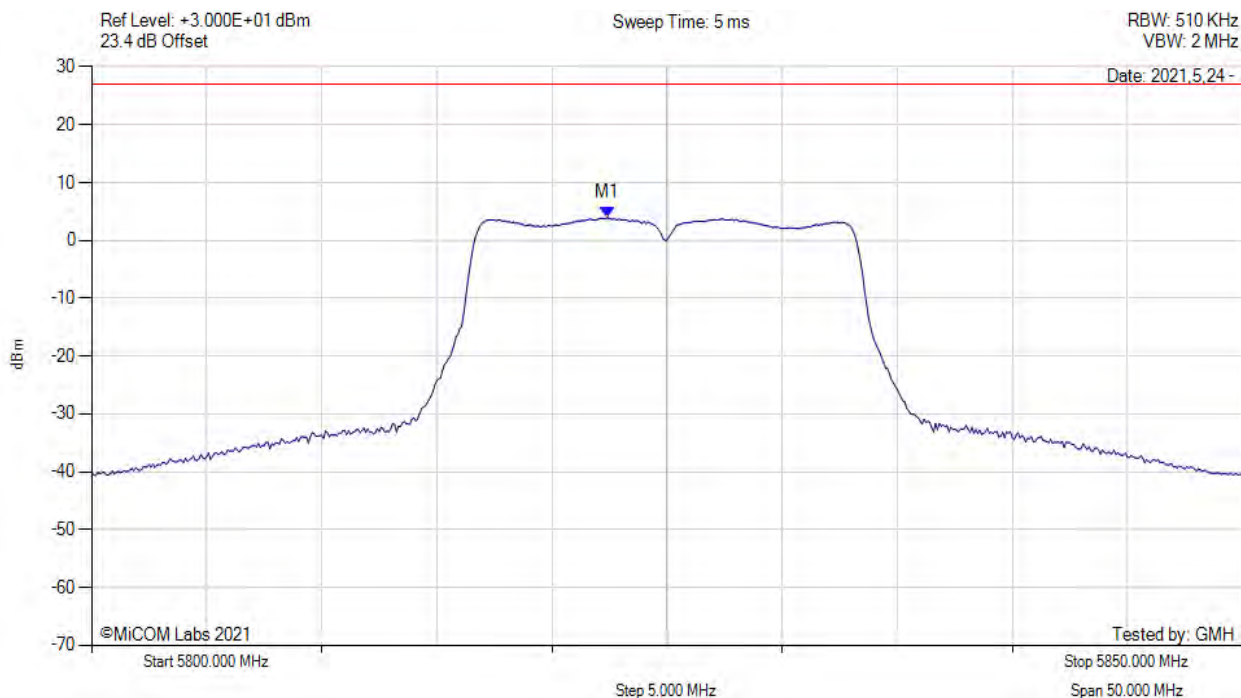
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5782.400 MHz : 6.533 dBm<br>M1 + DCCF : 5782.400 MHz : 6.577 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 30.0$ dBm<br>Margin: -23.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



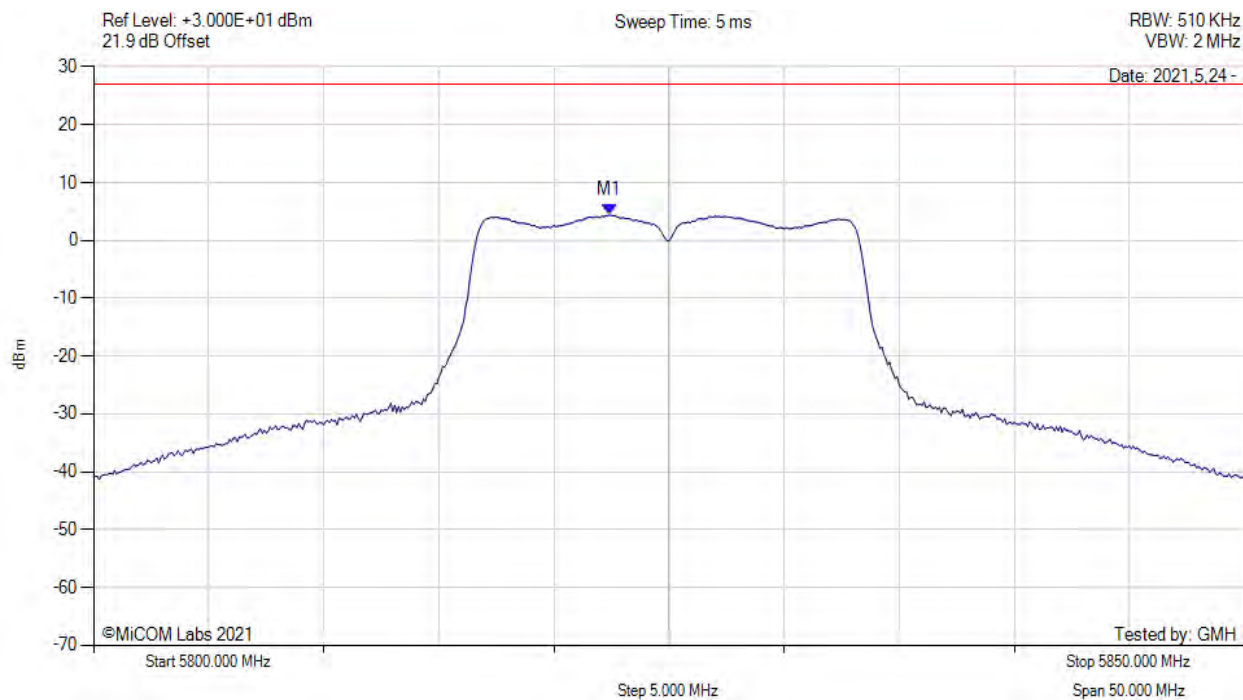
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.420 MHz : 3.932 dBm | Limit: ≤ 26.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



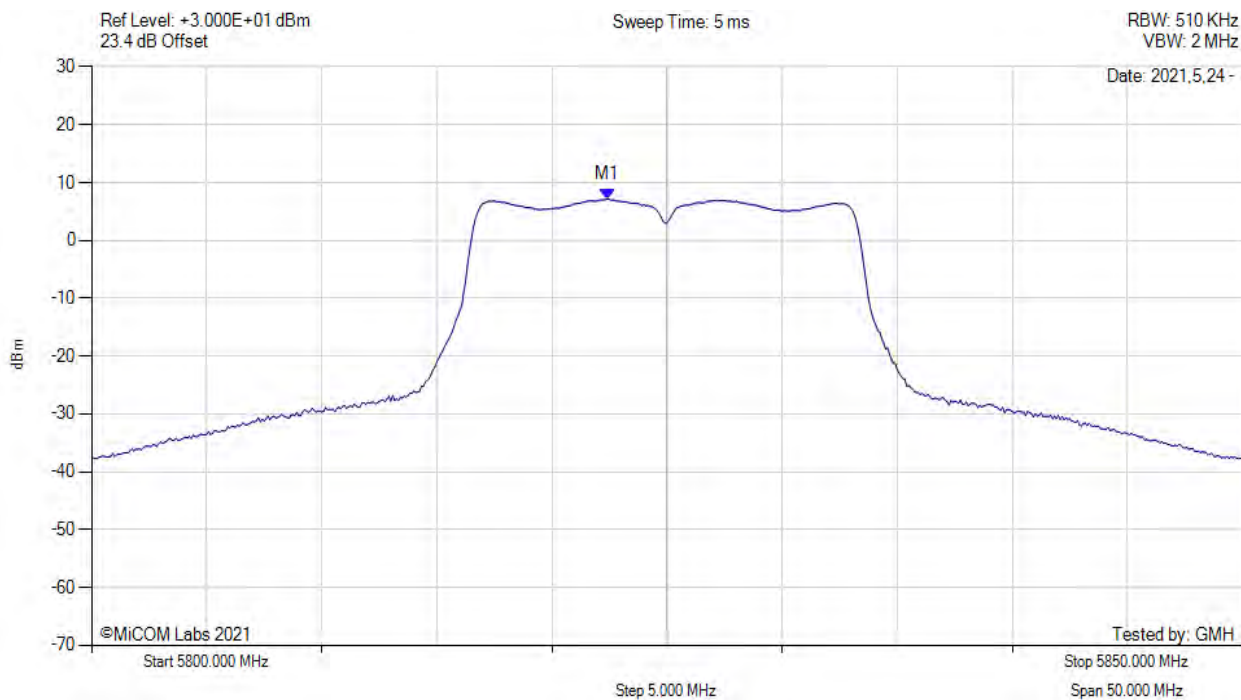
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.420 MHz : 4.368 dBm | Limit: ≤ 26.990 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5825.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



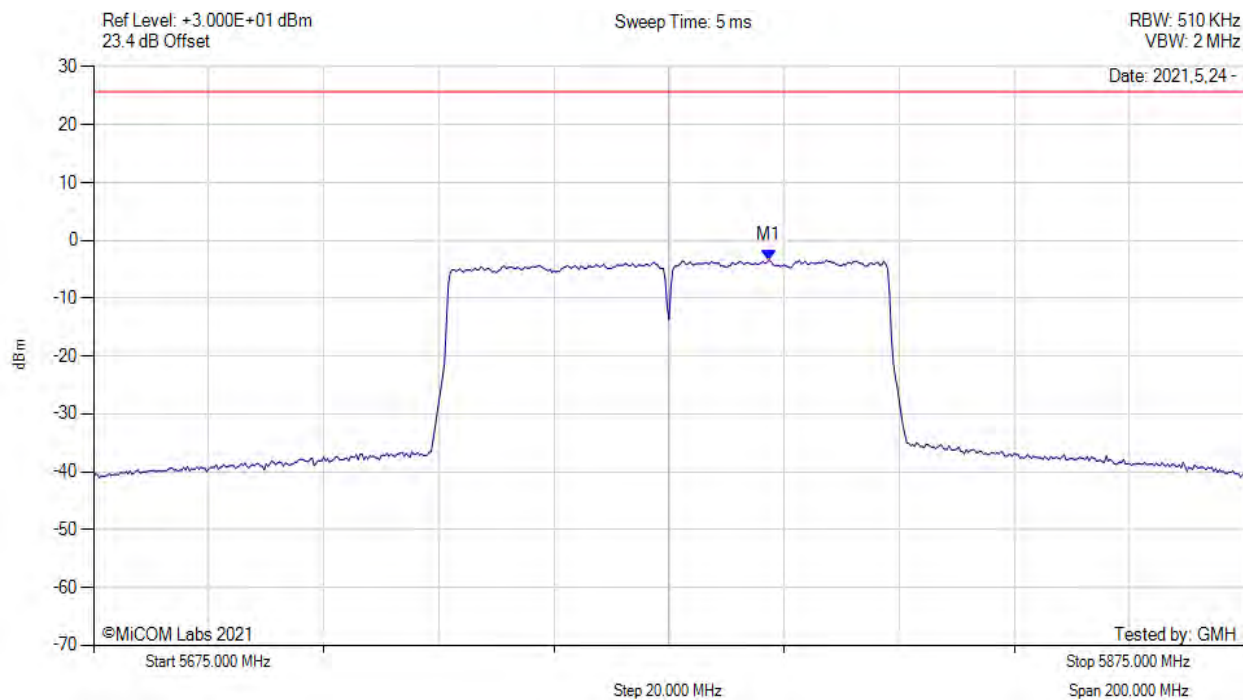
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.400 MHz : 7.166 dBm<br>M1 + DCCF : 5822.400 MHz : 7.210 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 30.0$ dBm<br>Margin: -22.8 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



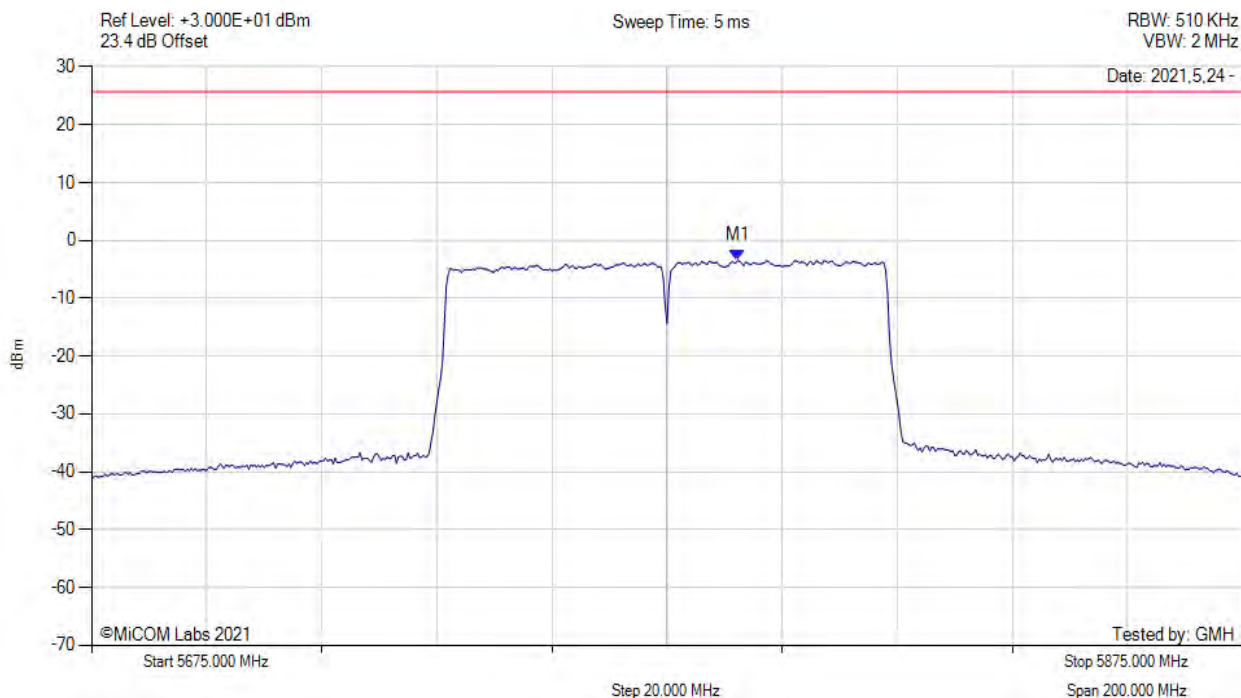
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results        |
|----------------------------------------------------------------------------------|--------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5792.300 MHz : -3.405 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



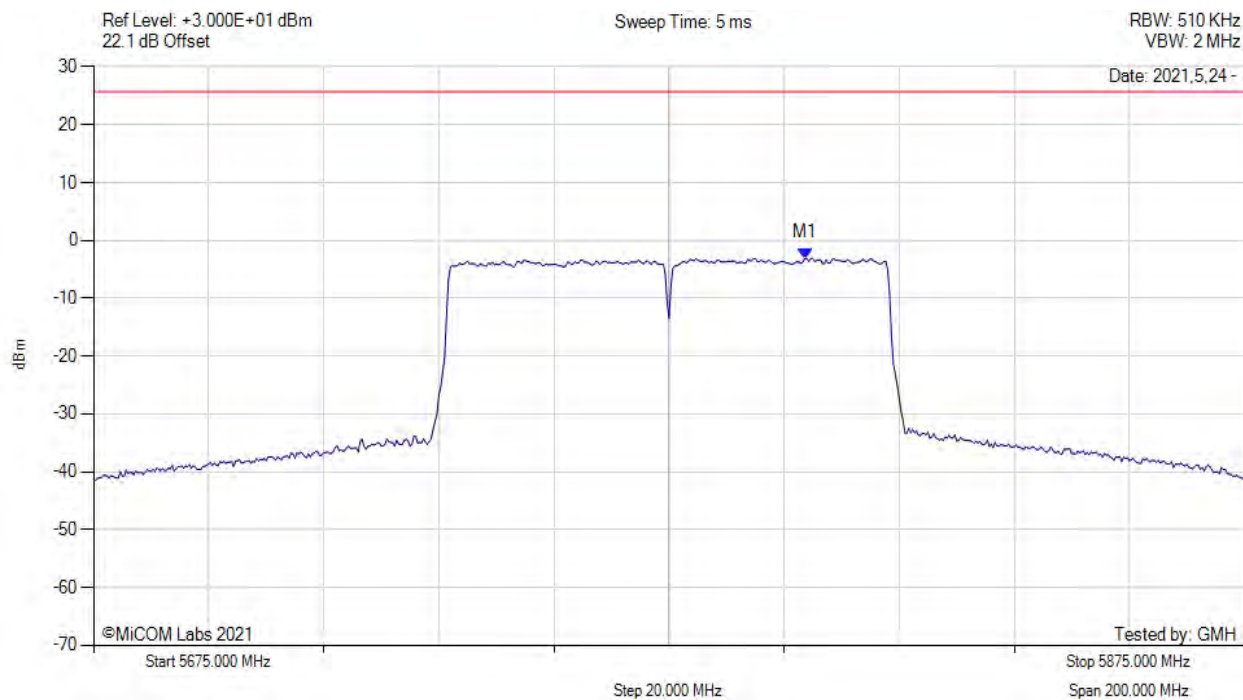
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results                   |
|----------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5787.300 MHz : -3.457 dBm | Channel Frequency: 5775.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



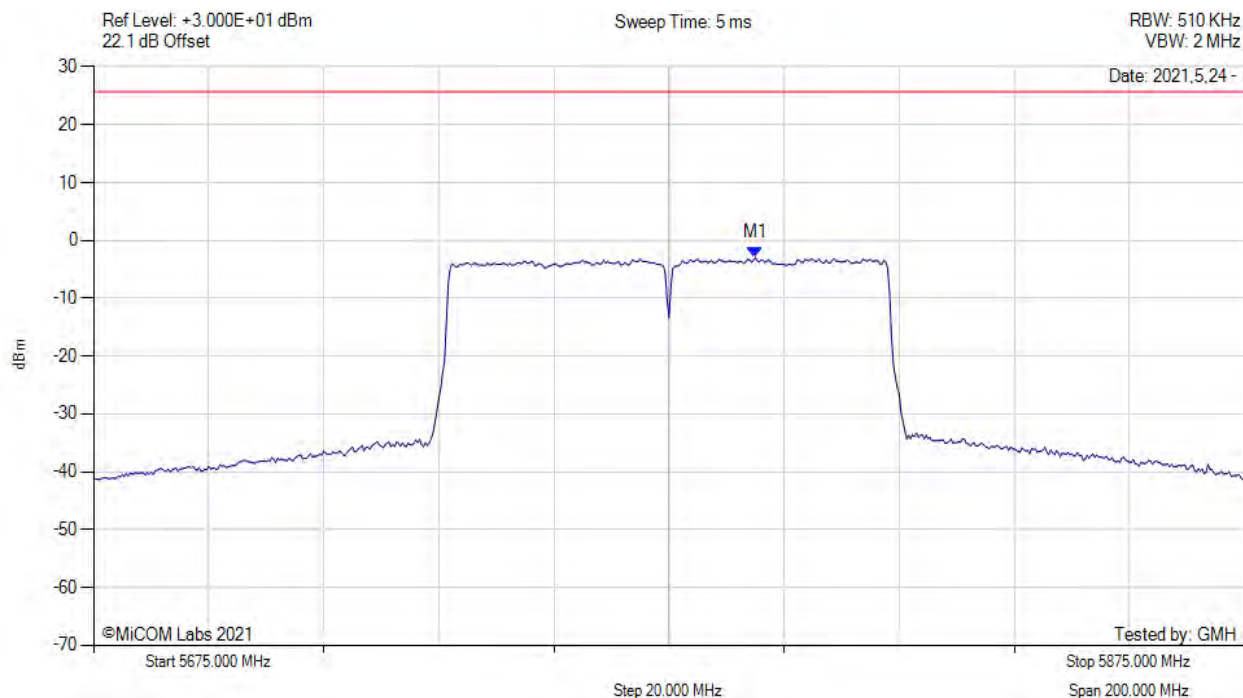
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results                   |
|----------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5798.700 MHz : -3.092 dBm | Channel Frequency: 5775.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



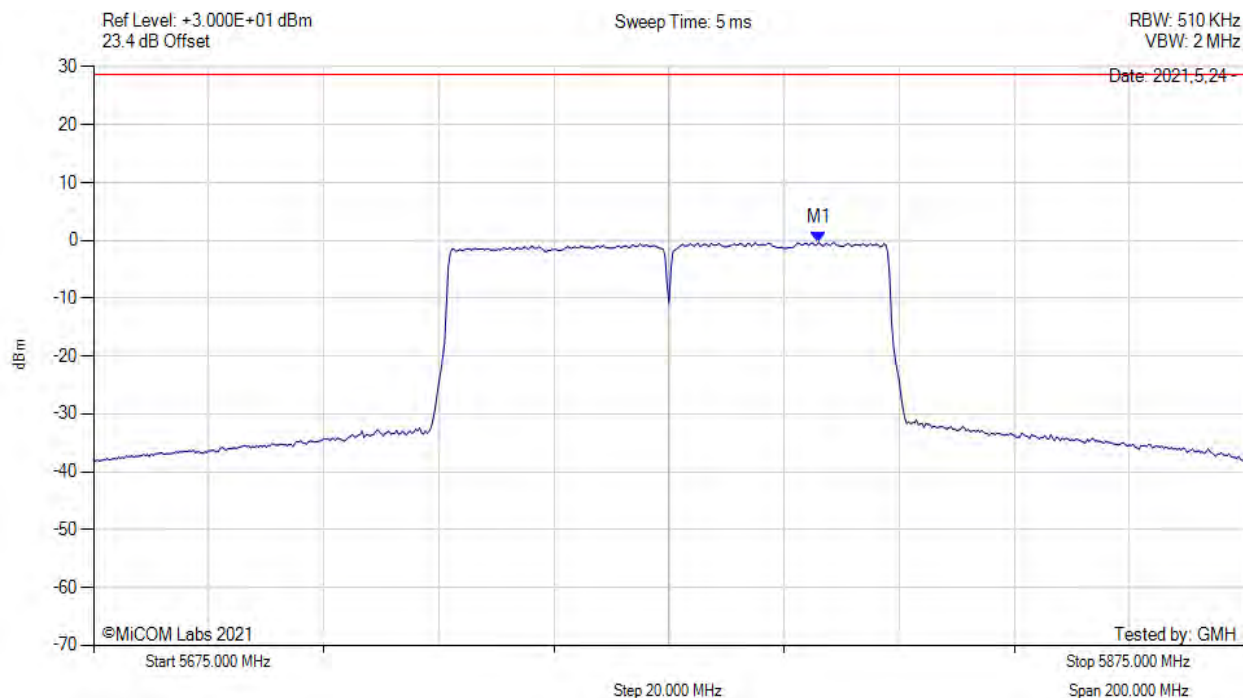
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results        |
|----------------------------------------------------------------------------------|--------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5790.000 MHz : -2.986 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5775.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



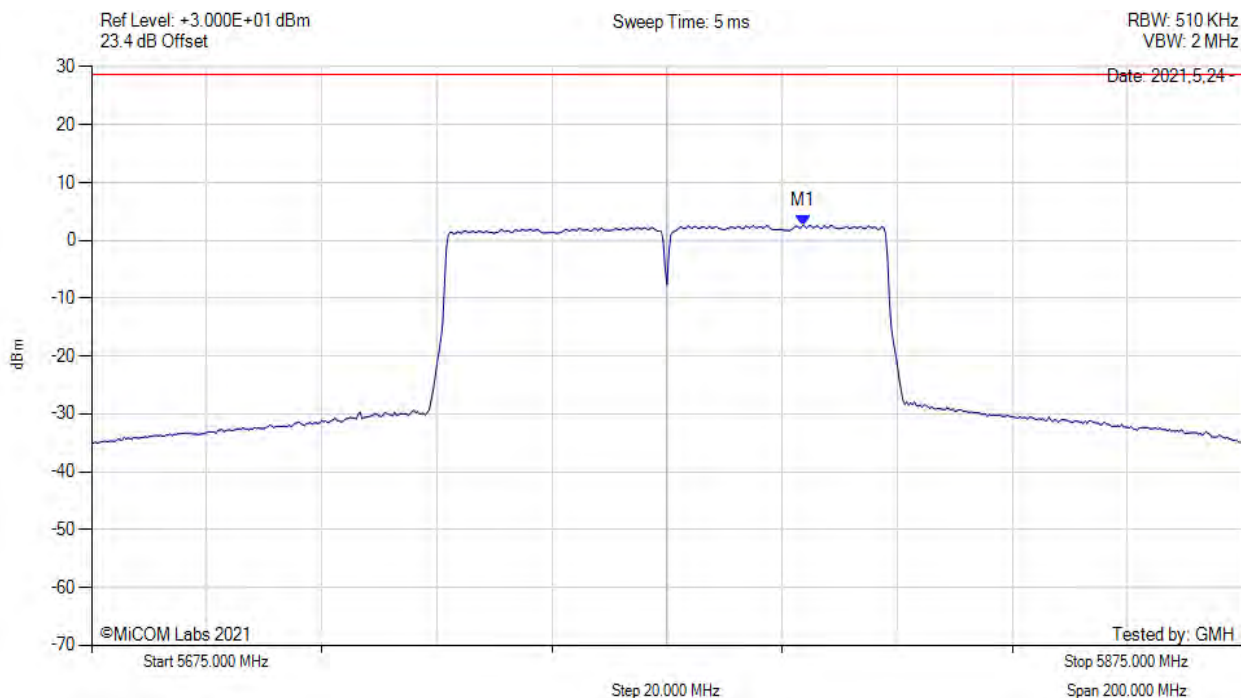
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                         | Test Results                               |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5801.000 MHz : -0.329 dBm<br>M1 + DCCF : 5801.000 MHz : -0.285 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -29.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5775.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



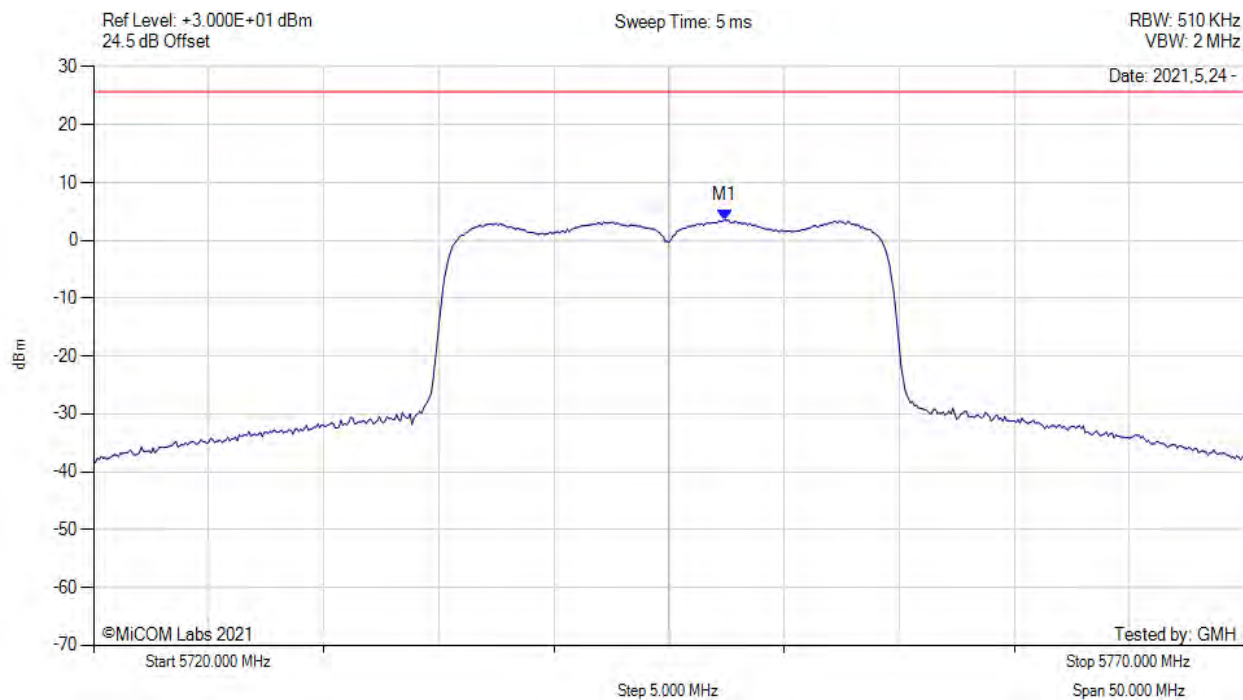
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                          |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5798.700 MHz : 2.611 dBm<br>M1 + DCCF : 5798.700 MHz : 2.655 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 28.7 dBm<br>Margin: -26.1 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



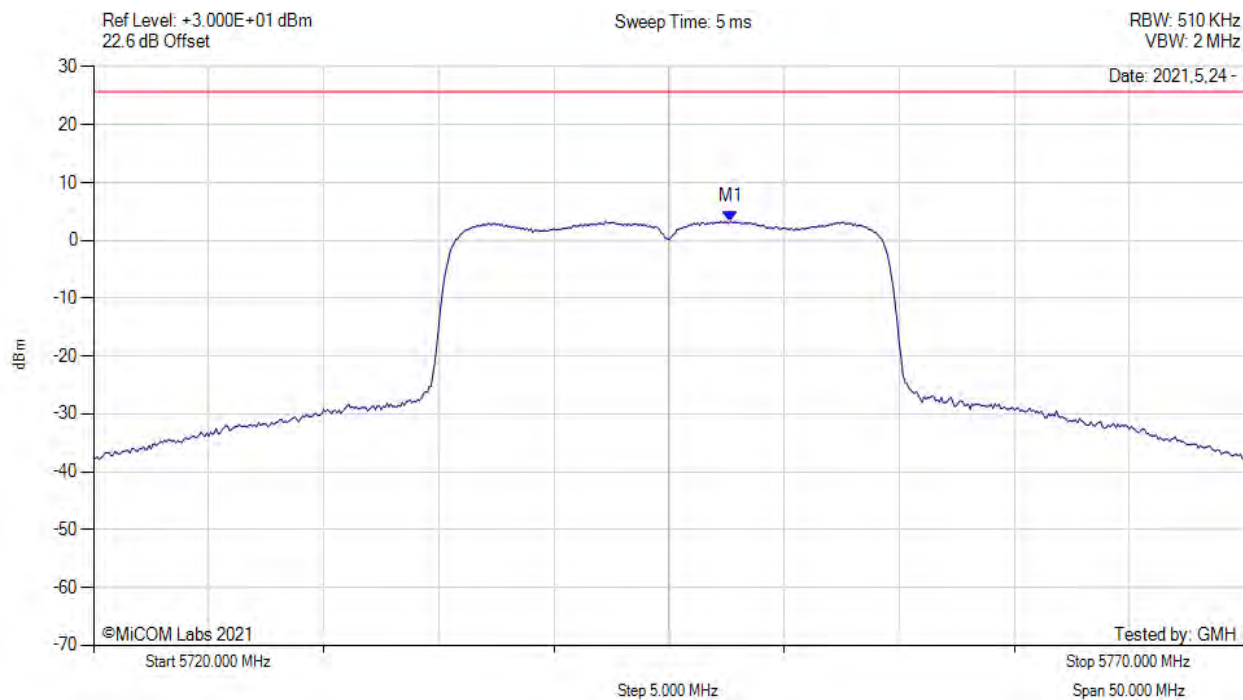
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.420 MHz : 3.523 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



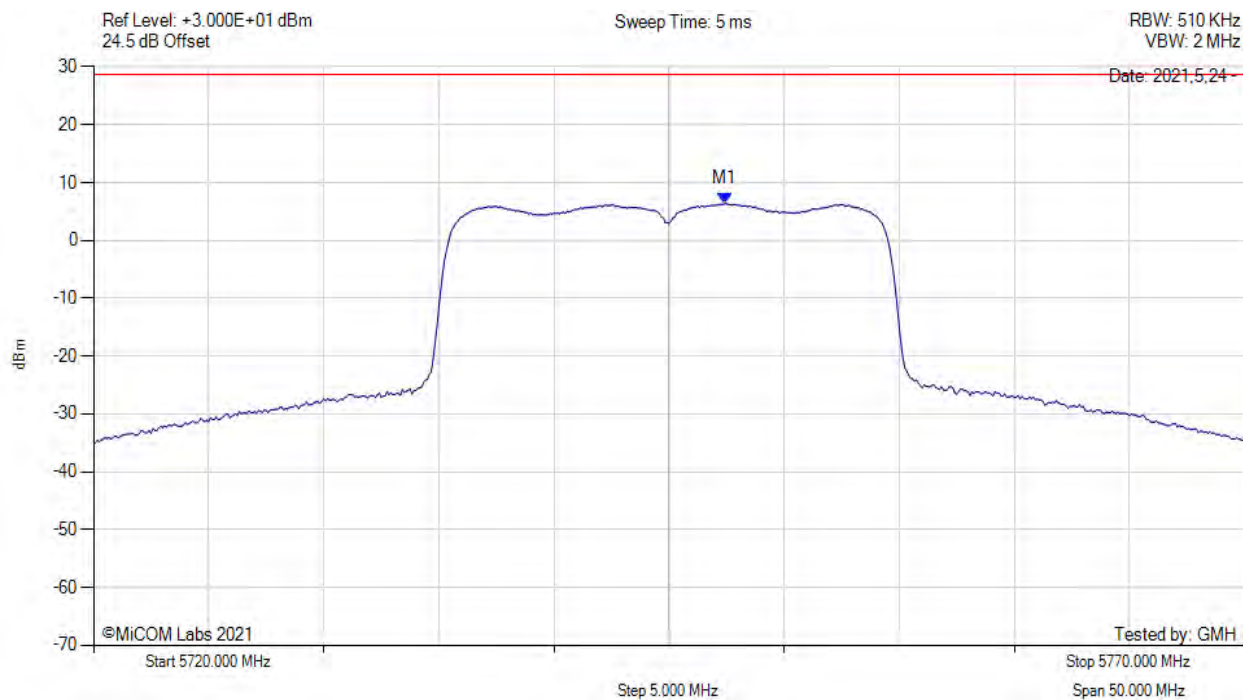
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.670 MHz : 3.297 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5745.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



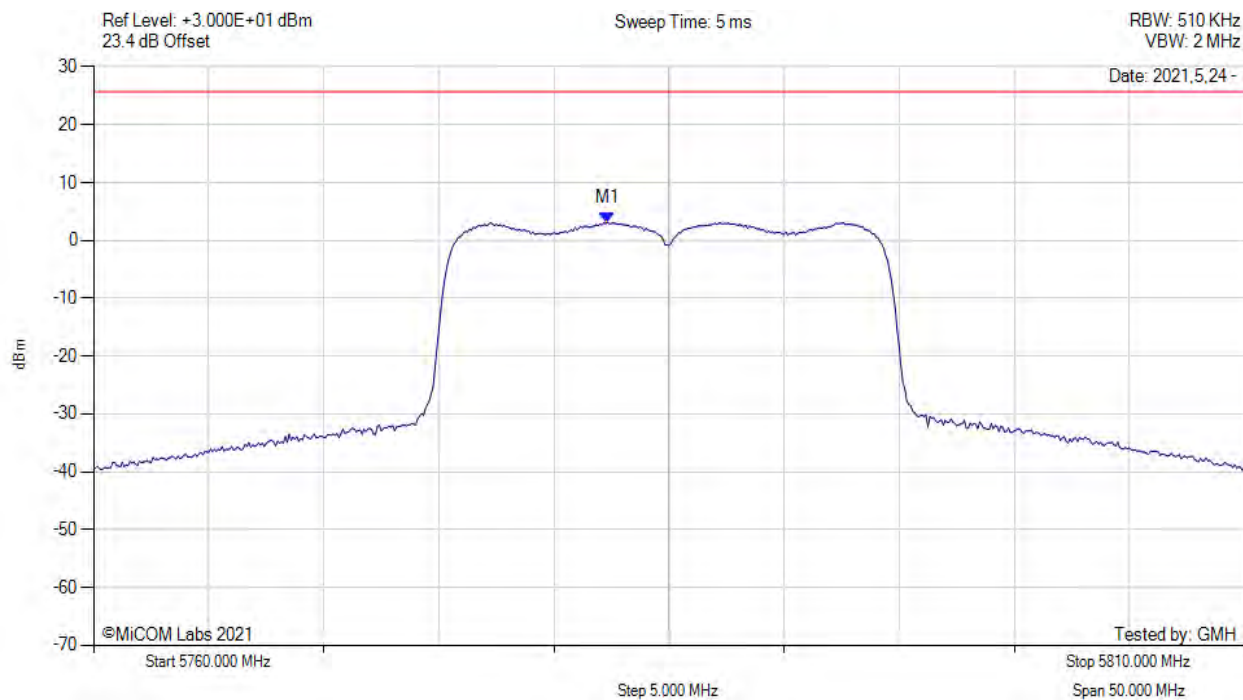
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.400 MHz : 6.352 dBm<br>M1 + DCCF : 5747.400 MHz : 6.396 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -22.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



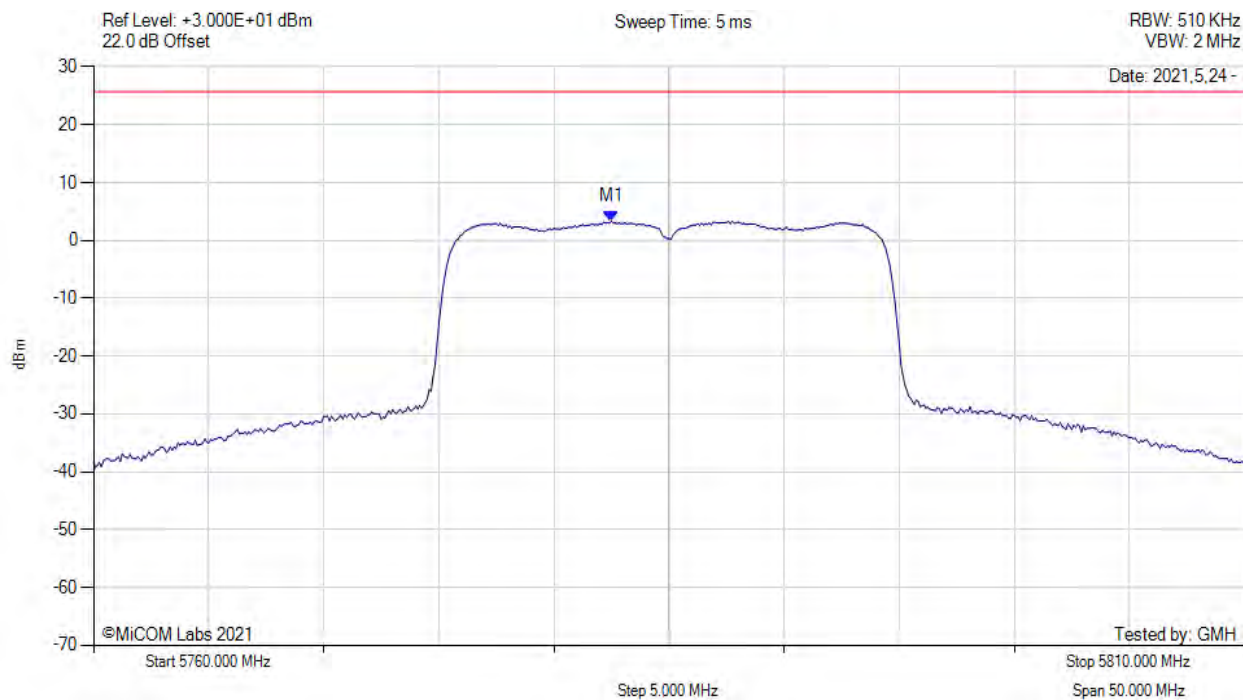
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5782.330 MHz : 3.109 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



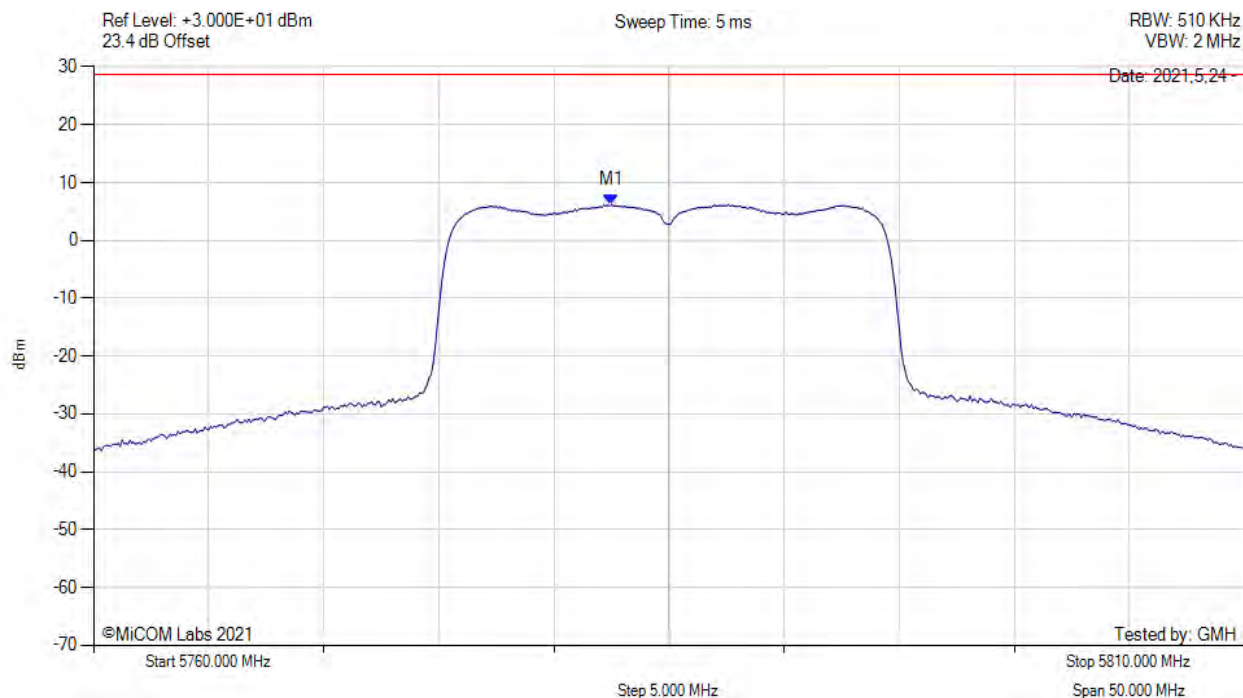
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5782.500 MHz : 3.354 dBm | Channel Frequency: 5785.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



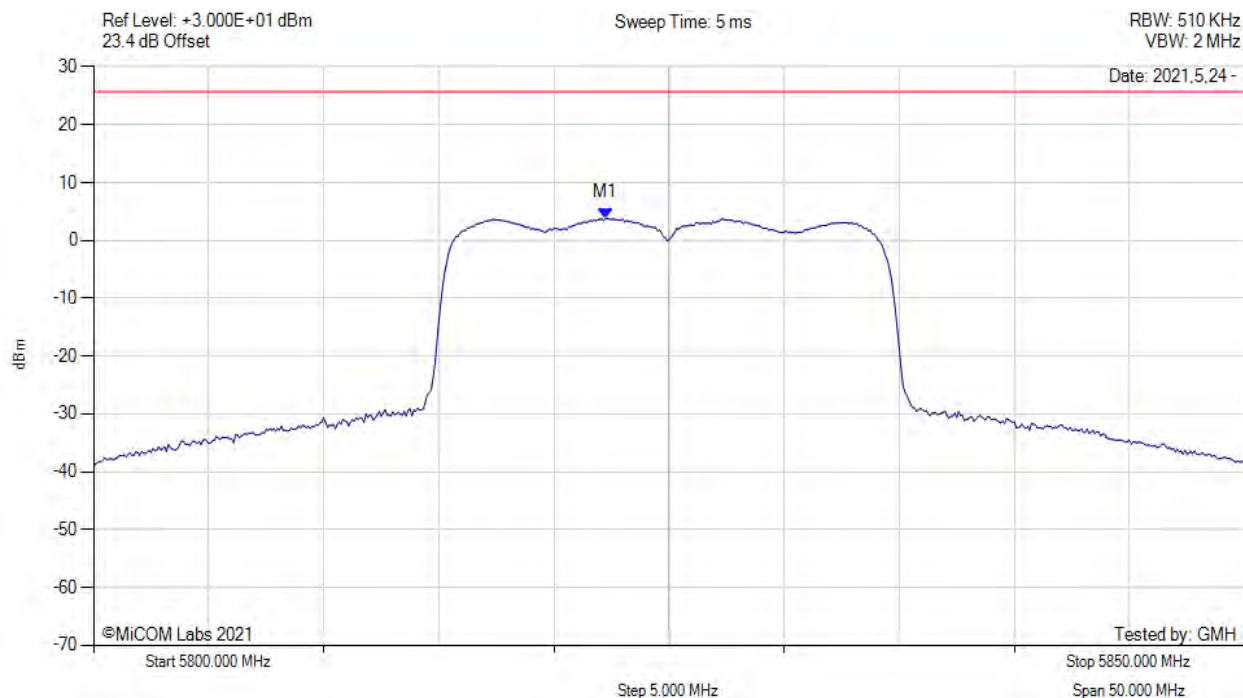
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5782.500 MHz : 6.172 dBm<br>M1 + DCCF : 5782.500 MHz : 6.216 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -22.5 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



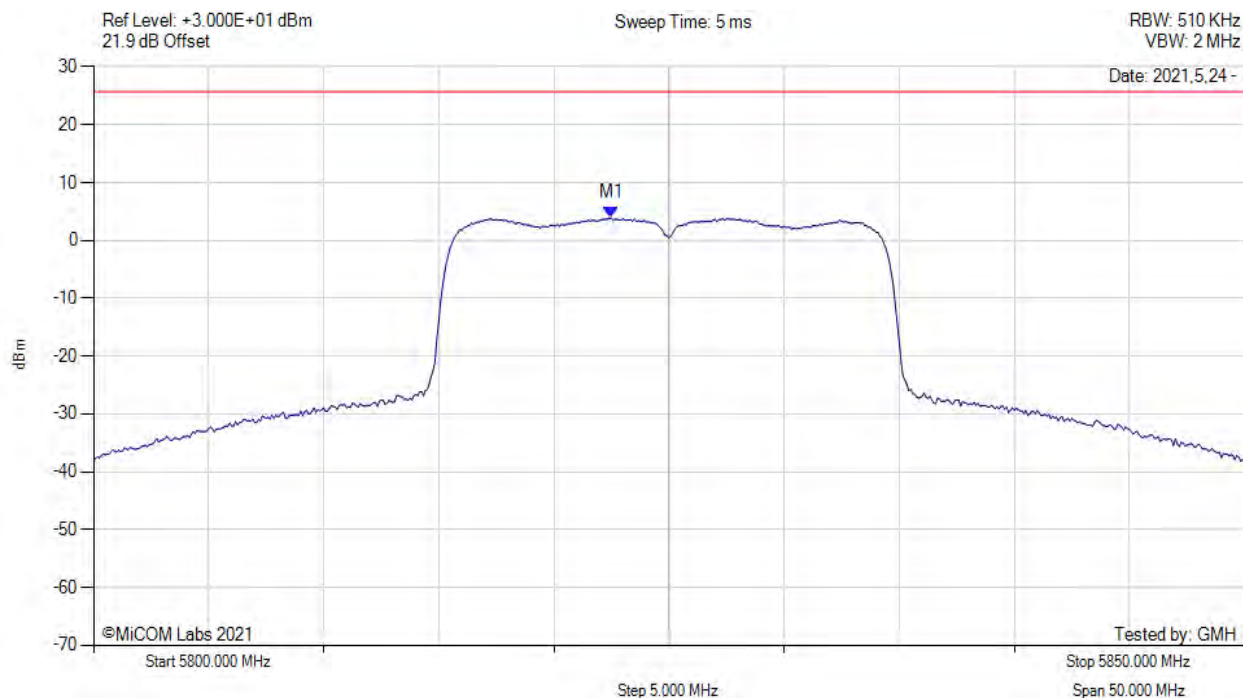
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.250 MHz : 3.848 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



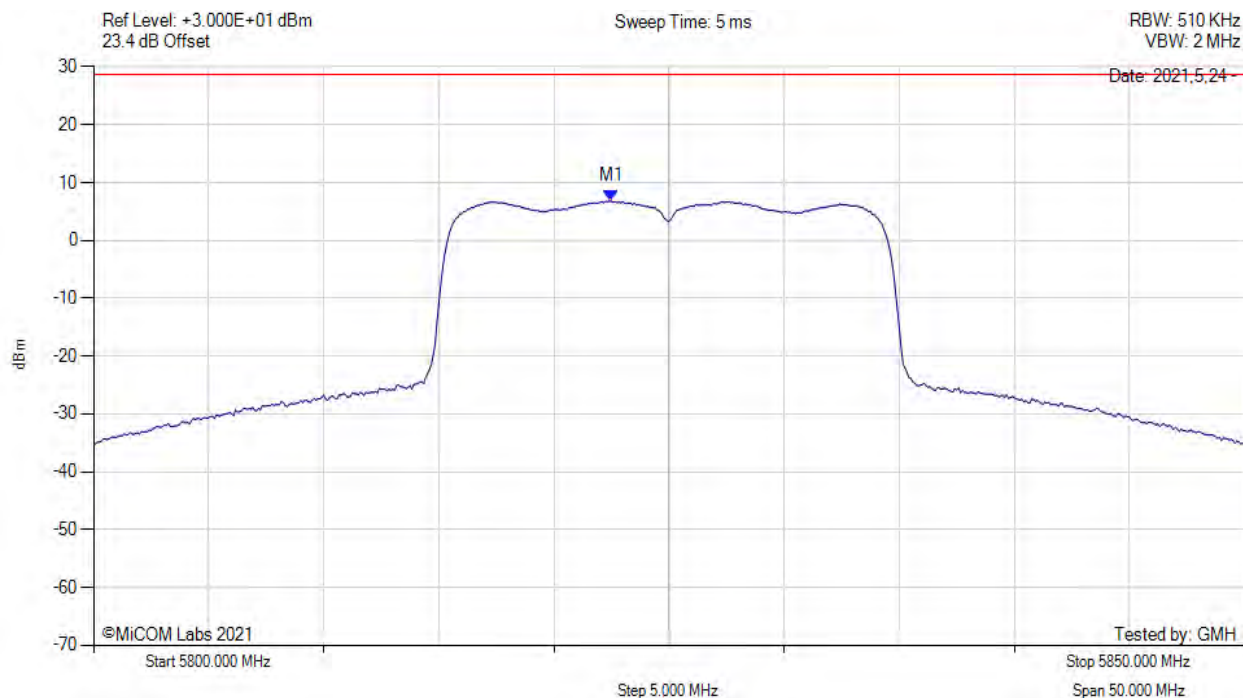
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.500 MHz : 3.887 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-20, Channel: 5825.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



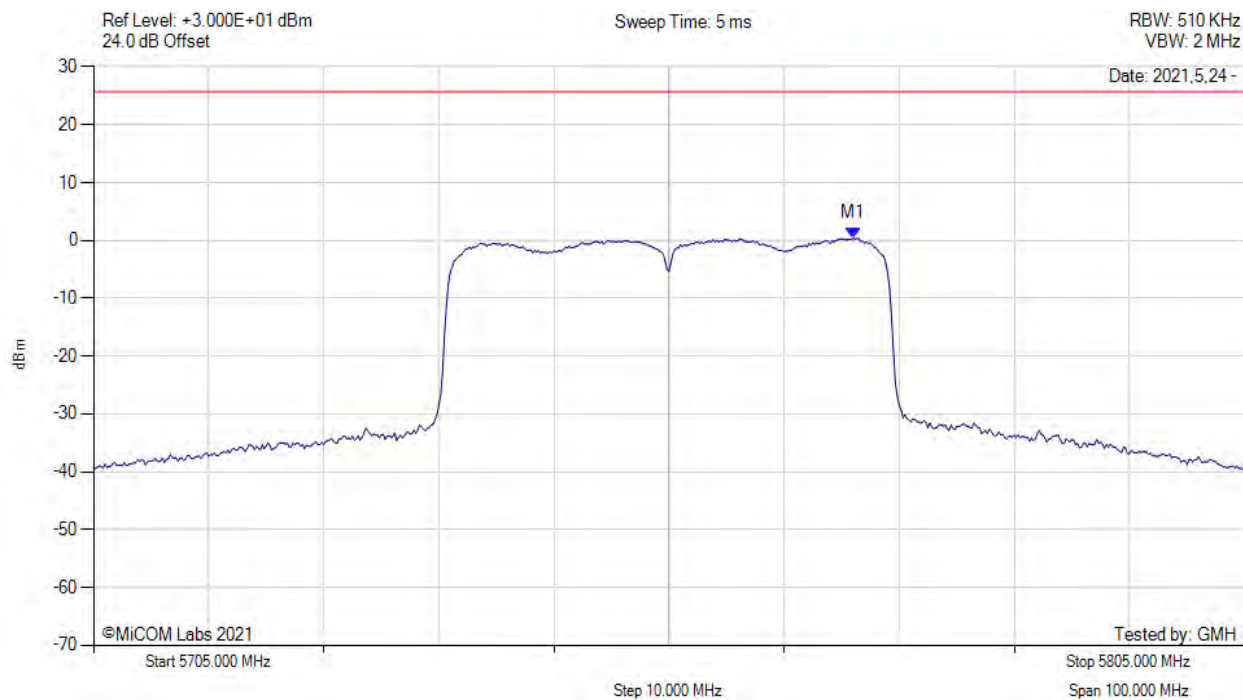
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.500 MHz : 6.792 dBm<br>M1 + DCCF : 5822.500 MHz : 6.836 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -21.9 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5755.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



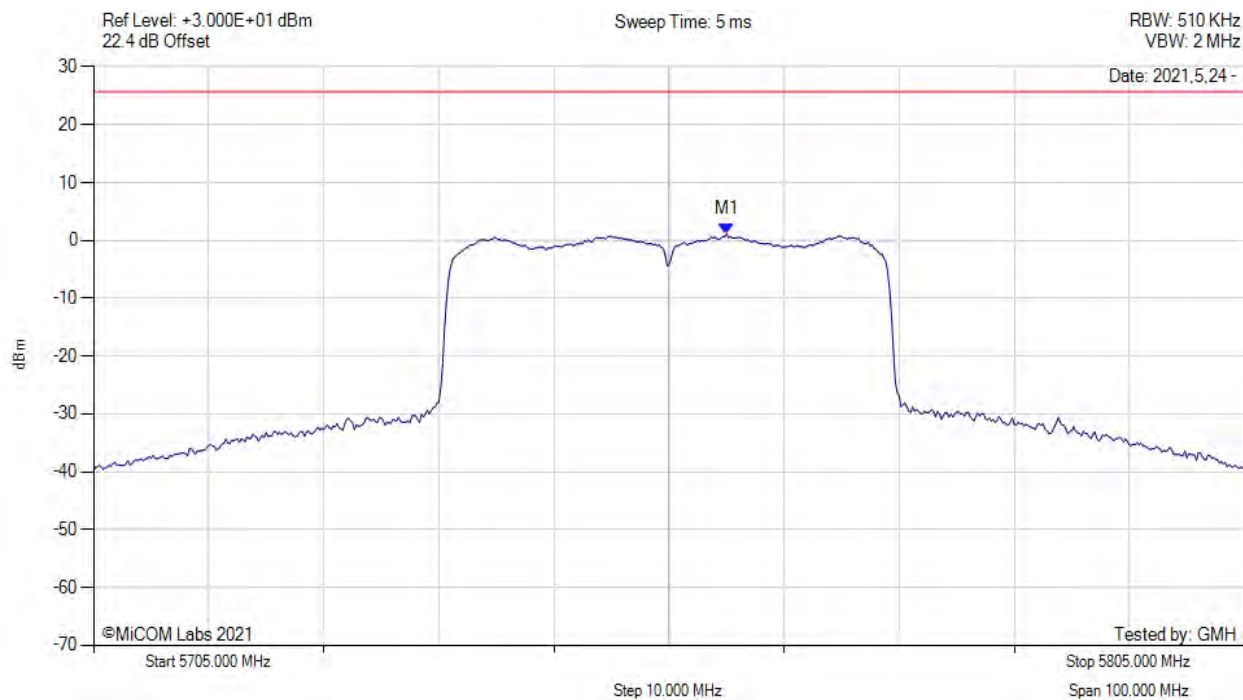
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5771.000 MHz : 0.387 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5755.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



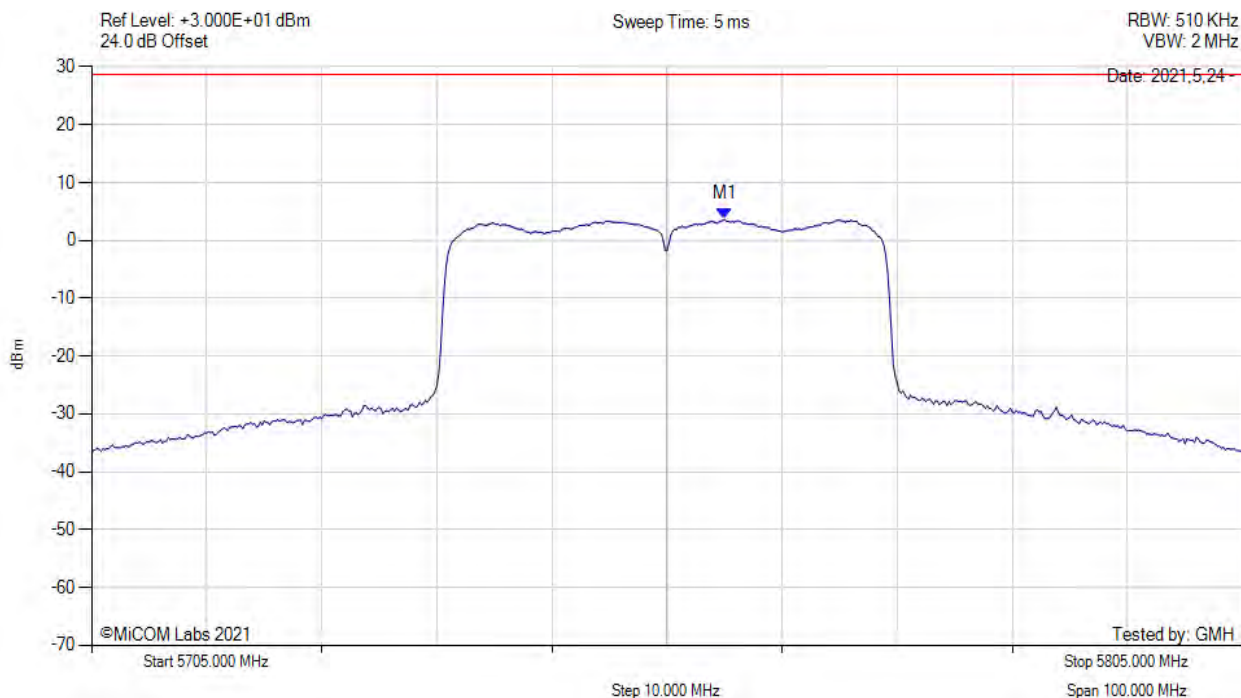
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5760.000 MHz : 1.118 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5755.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



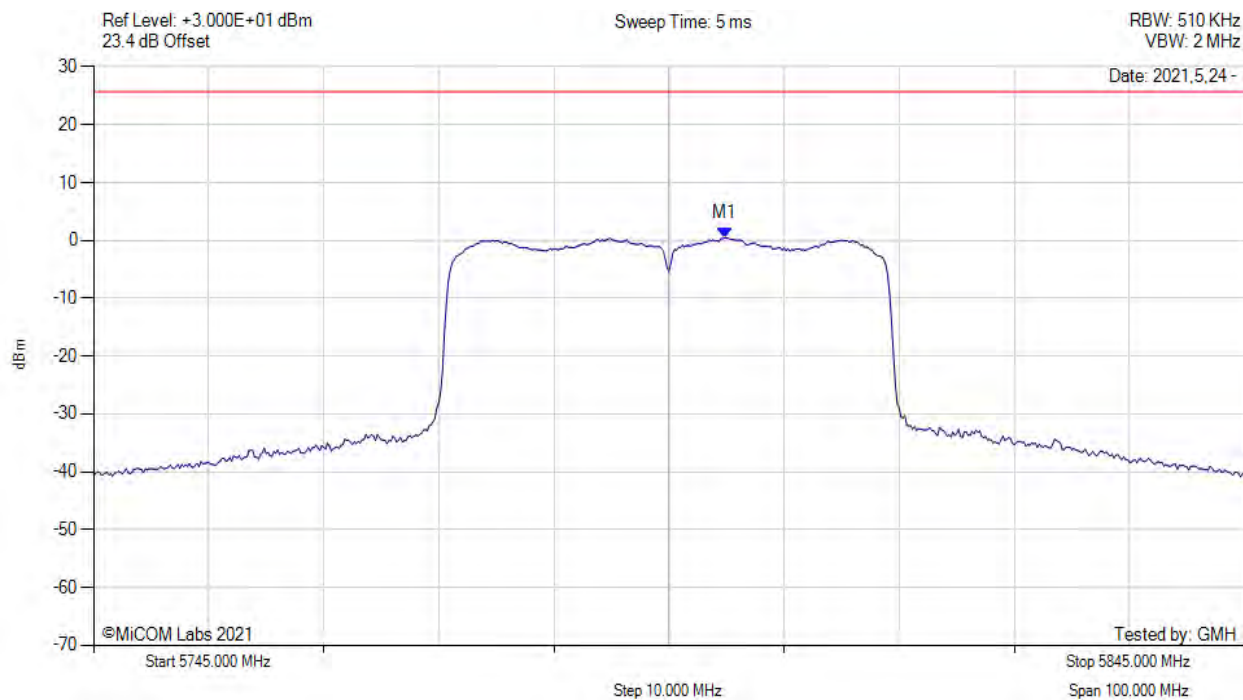
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5760.000 MHz : 3.636 dBm<br>M1 + DCCF : 5760.000 MHz : 3.680 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -25.0 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5795.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



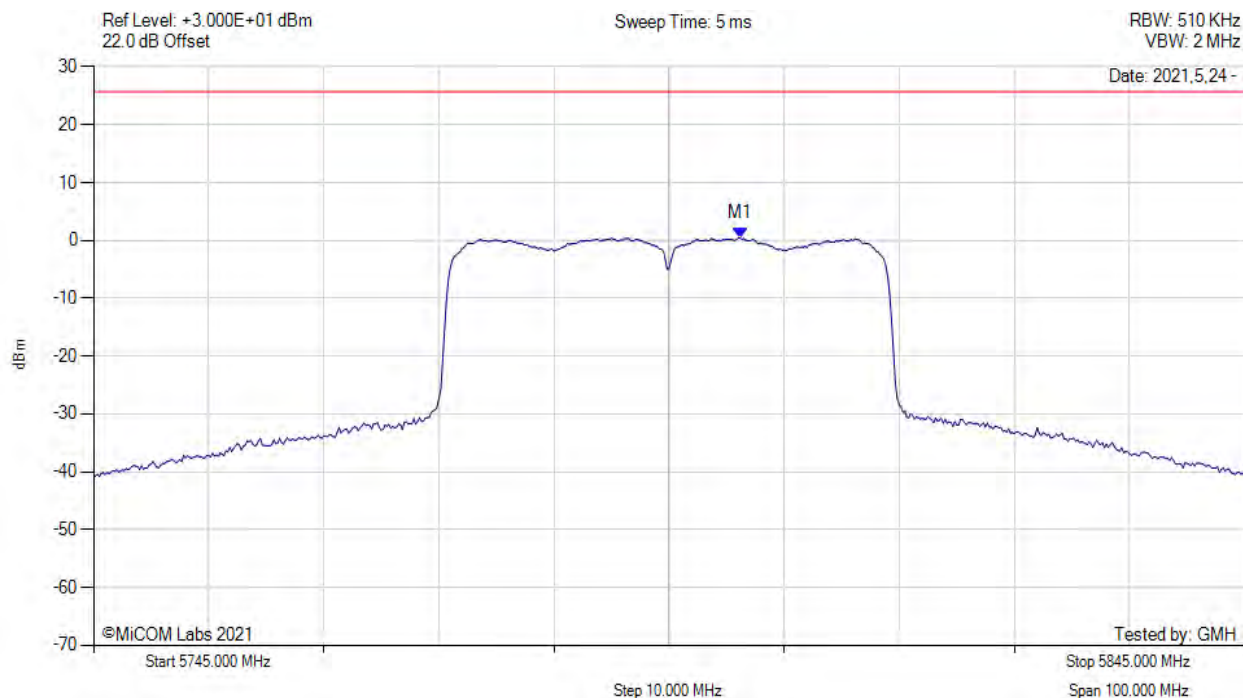
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5799.830 MHz : 0.466 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5795.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



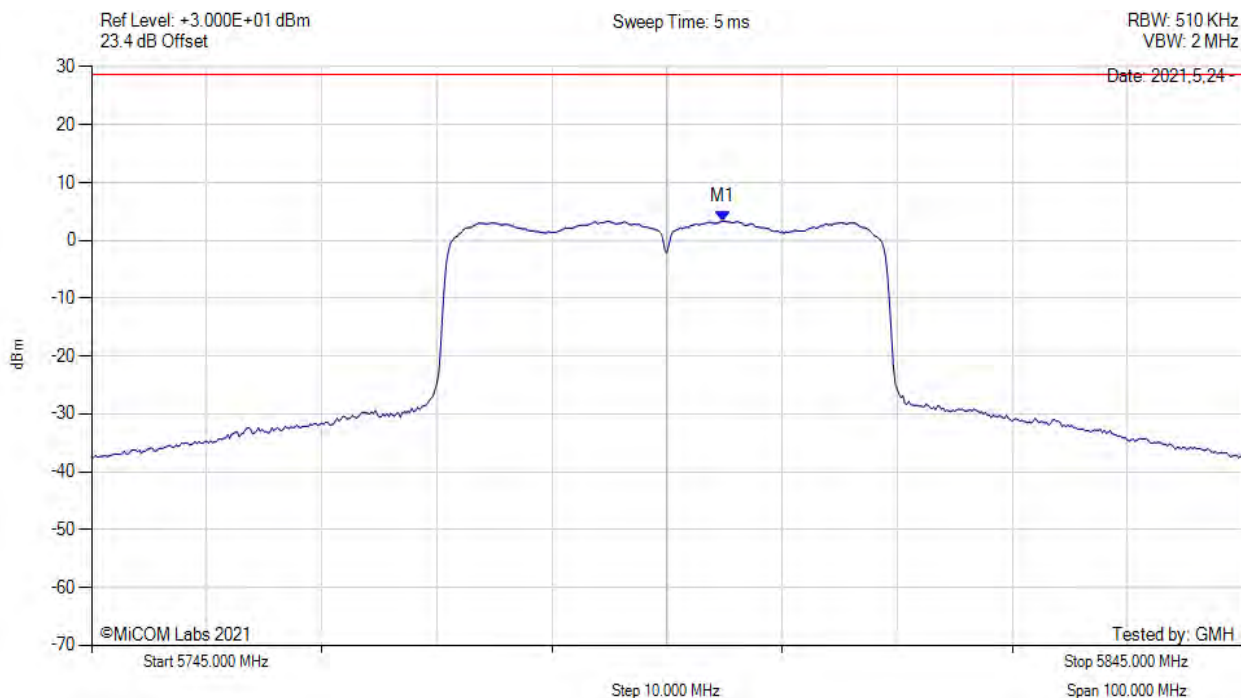
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5801.170 MHz : 0.465 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-40, Channel: 5795.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



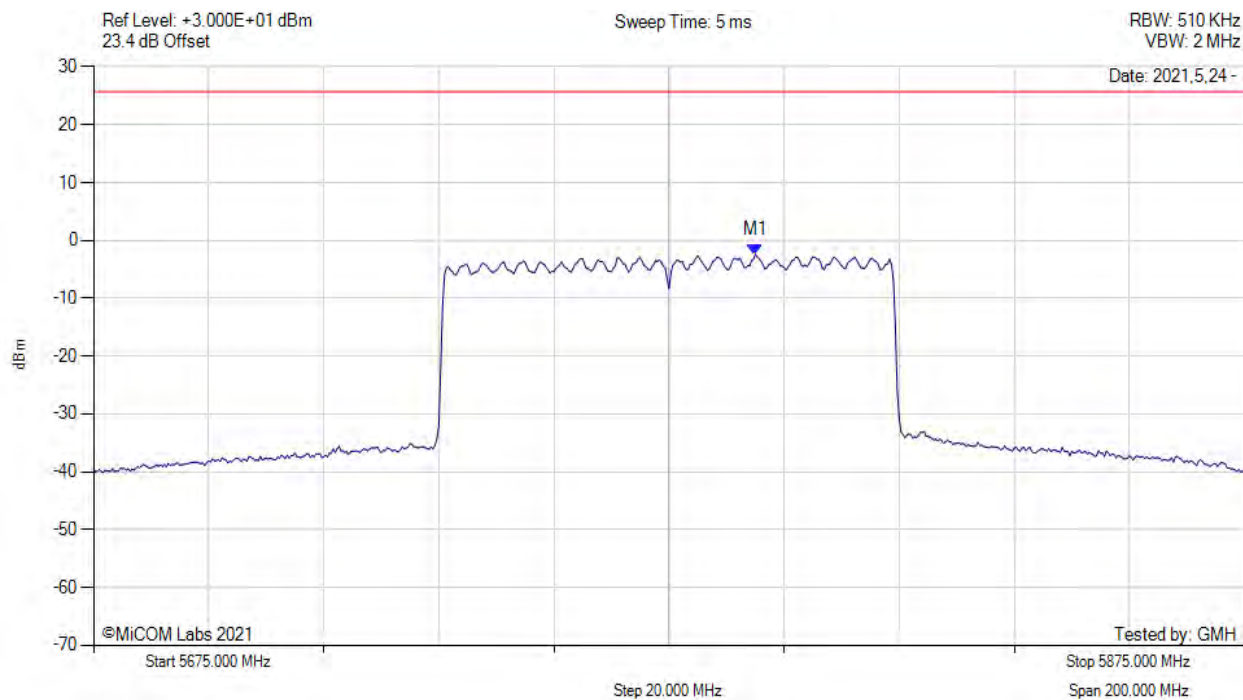
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5799.800 MHz : 3.308 dBm<br>M1 + DCCF : 5799.800 MHz : 3.352 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -25.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5775.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



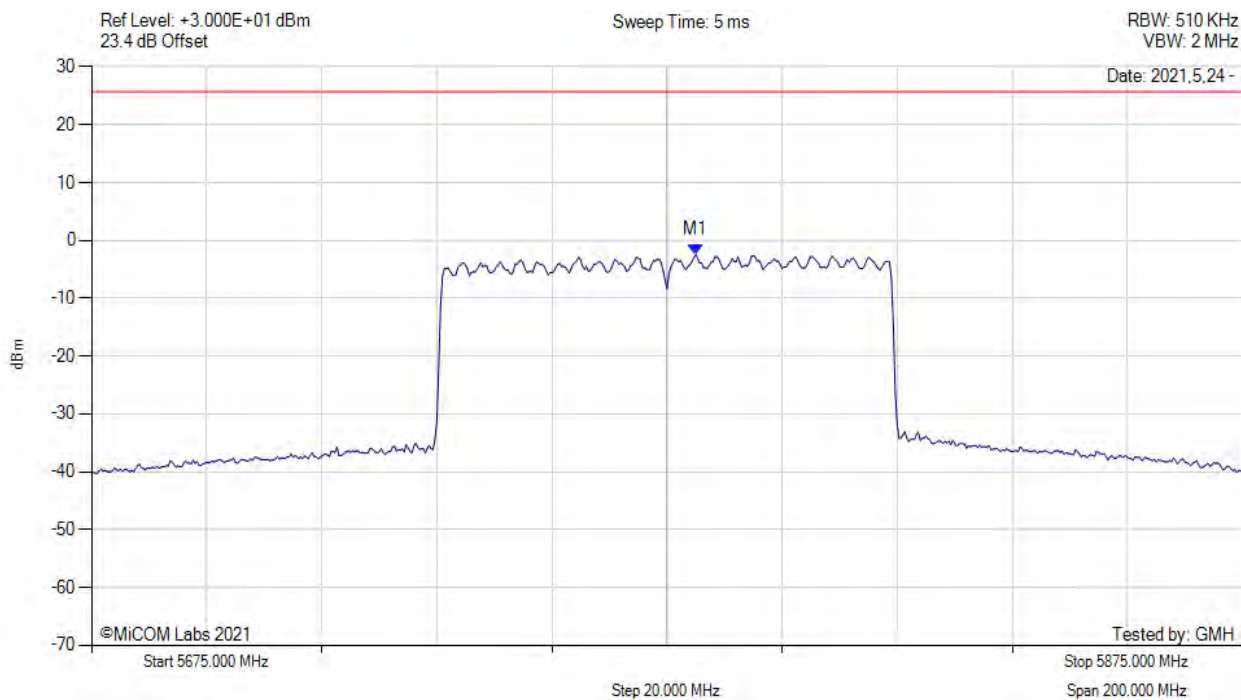
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results                   |
|----------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5790.000 MHz : -2.429 dBm | Channel Frequency: 5775.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5775.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



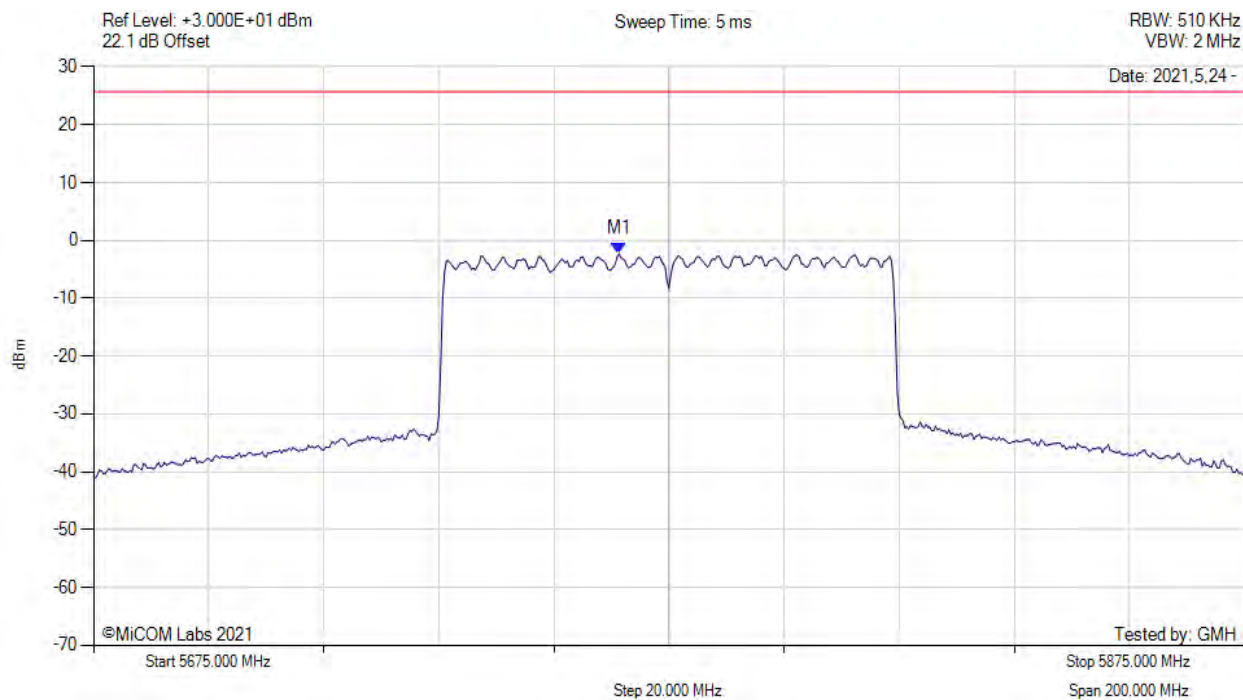
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results        |
|----------------------------------------------------------------------------------|--------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5780.000 MHz : -2.445 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5775.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



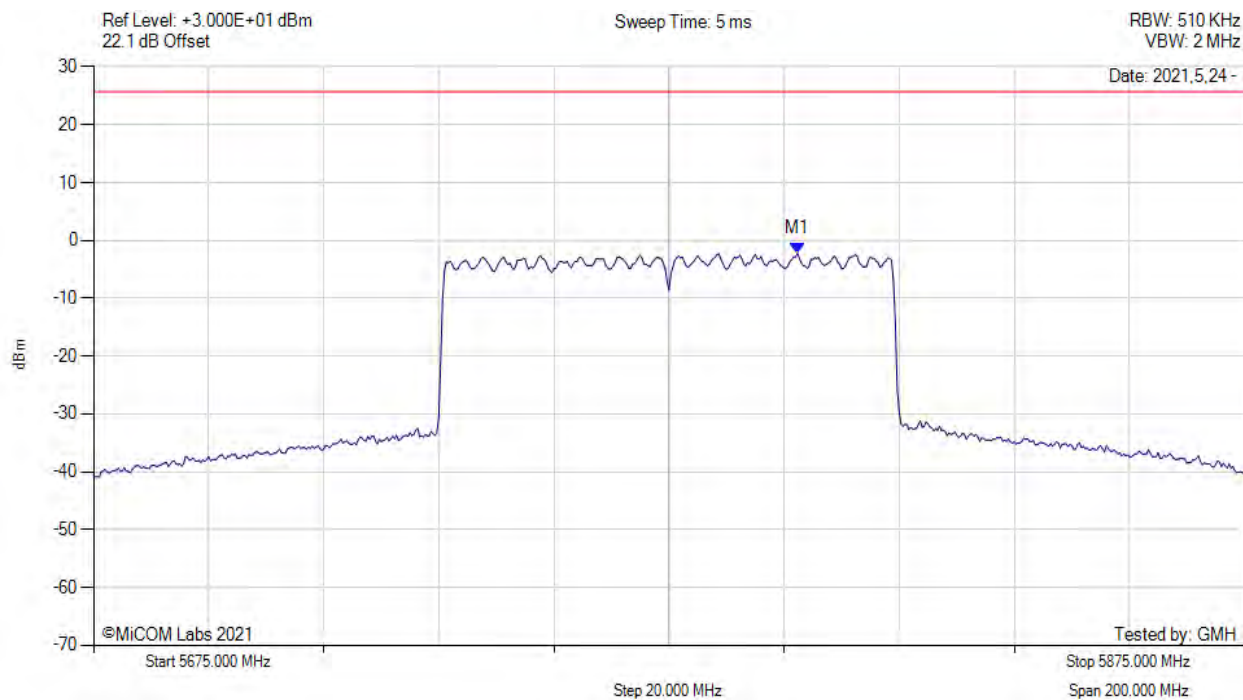
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results                   |
|----------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5766.300 MHz : -2.316 dBm | Channel Frequency: 5775.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5775.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



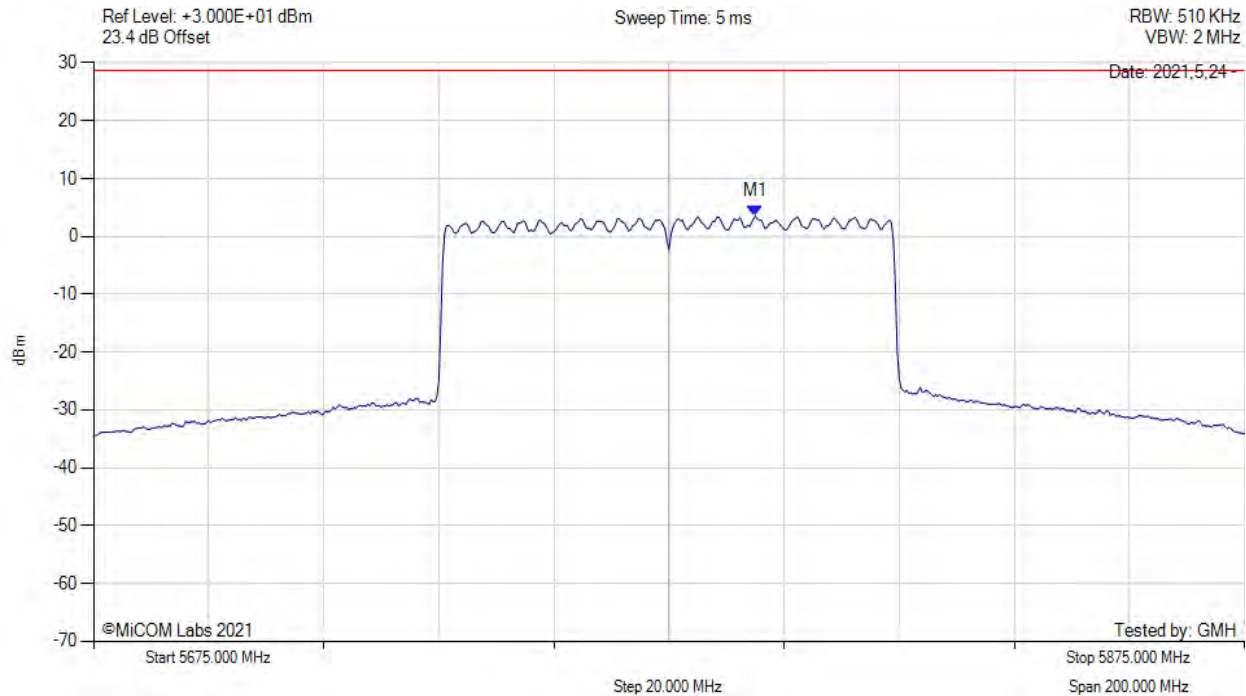
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude     | Test Results        |
|----------------------------------------------------------------------------------|--------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5797.300 MHz : -2.248 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11ax-80, Channel: 5775.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



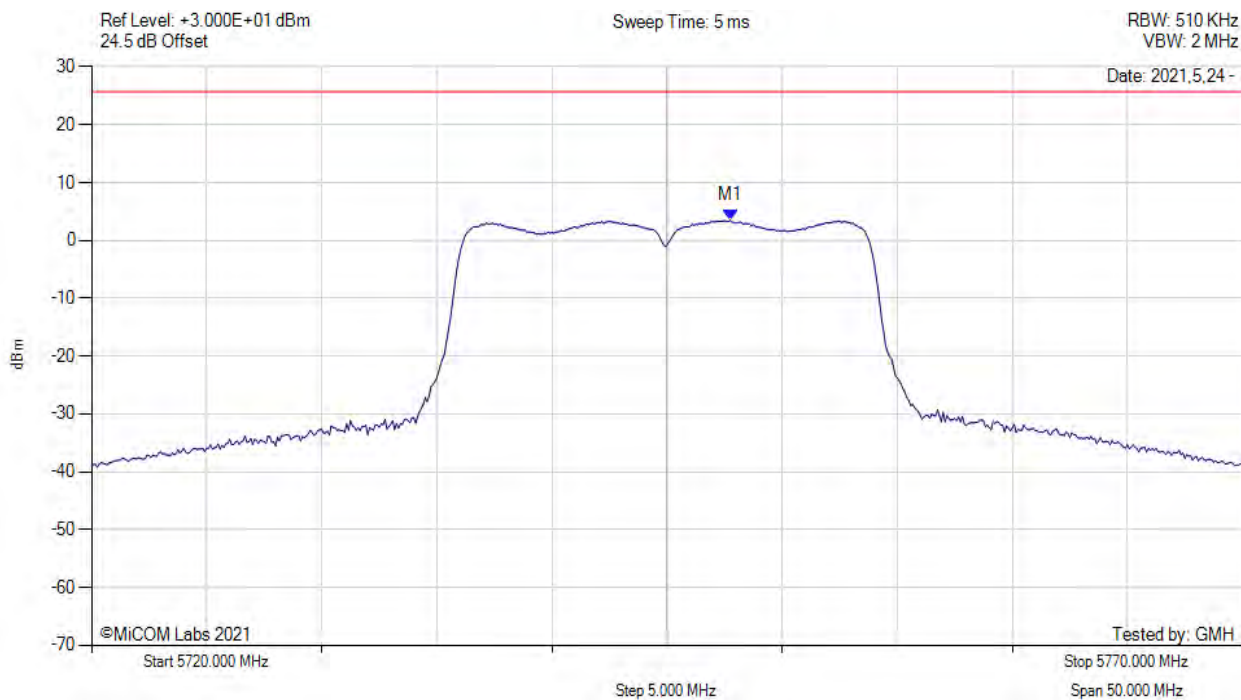
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                          |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5790.000 MHz : 3.488 dBm<br>M1 + DCCF : 5790.000 MHz : 3.532 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 28.7 dBm<br>Margin: -25.2 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



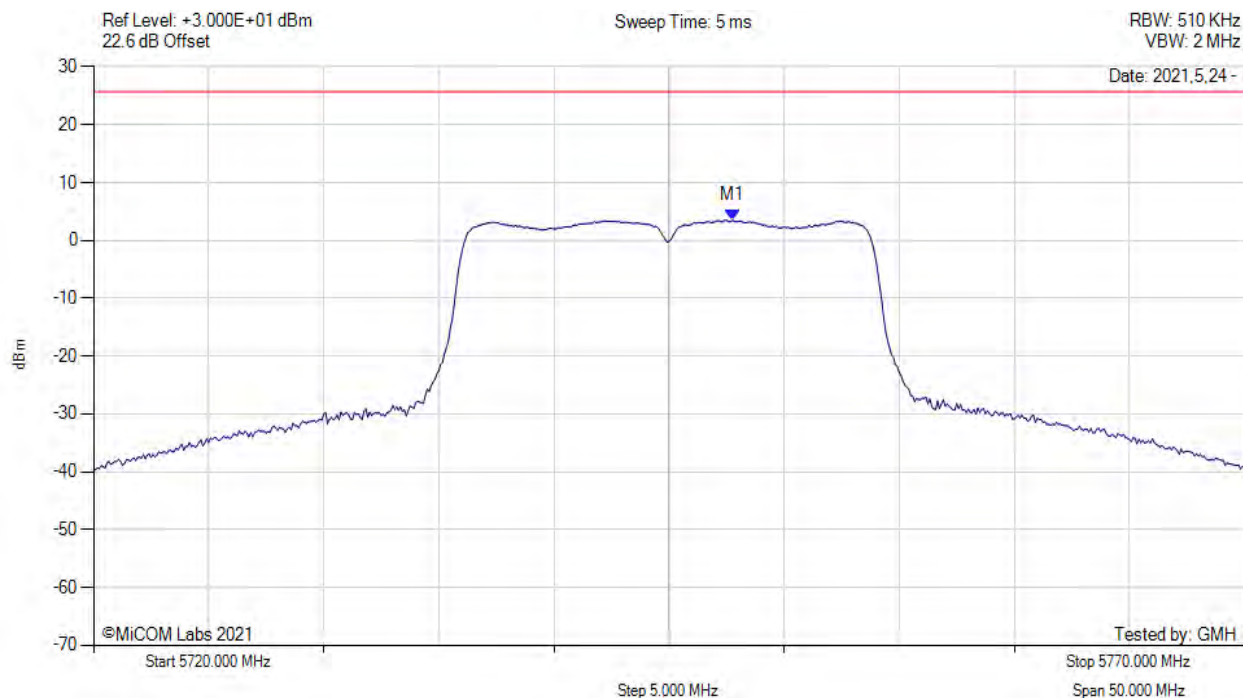
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.750 MHz : 3.462 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



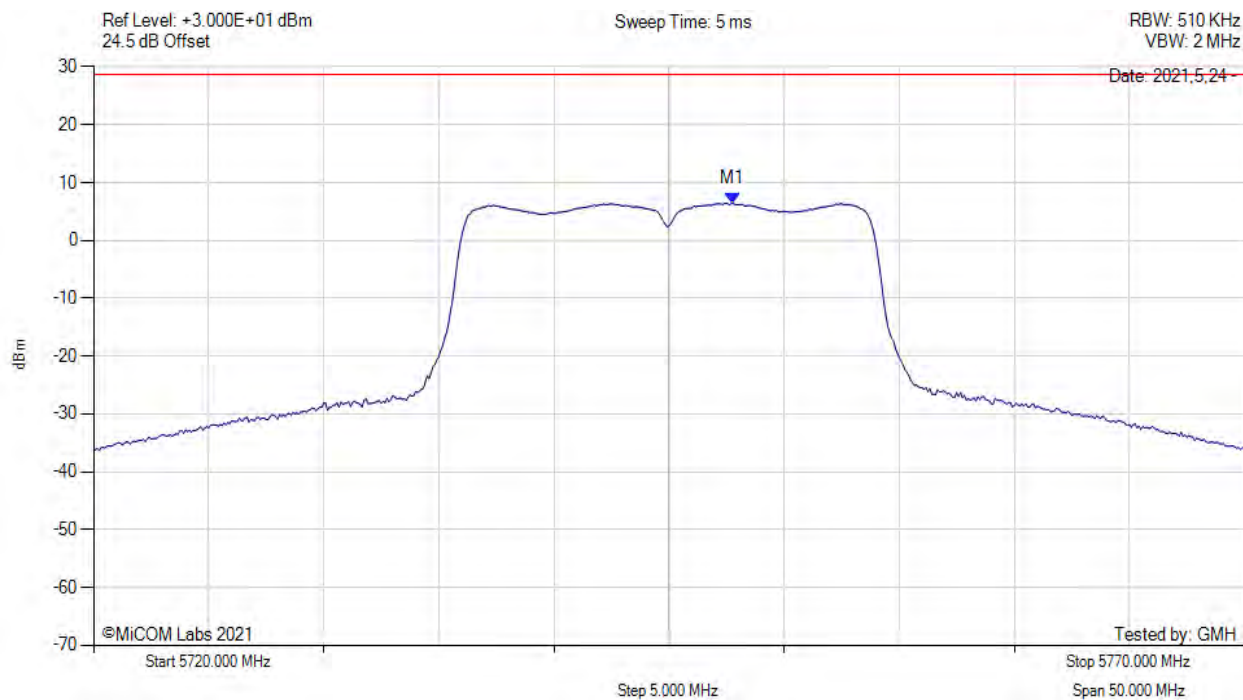
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.750 MHz : 3.458 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5745.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



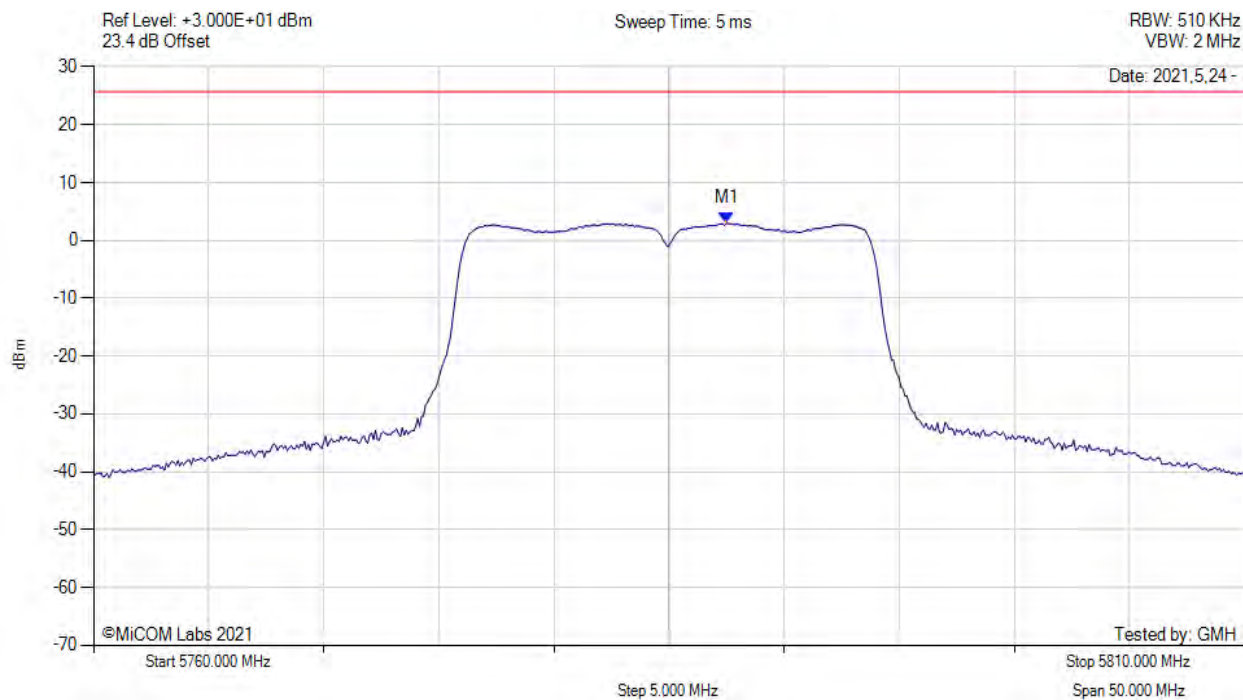
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                          |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5747.800 MHz : 6.470 dBm<br>M1 + DCCF : 5747.800 MHz : 6.514 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 28.7 dBm<br>Margin: -22.2 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



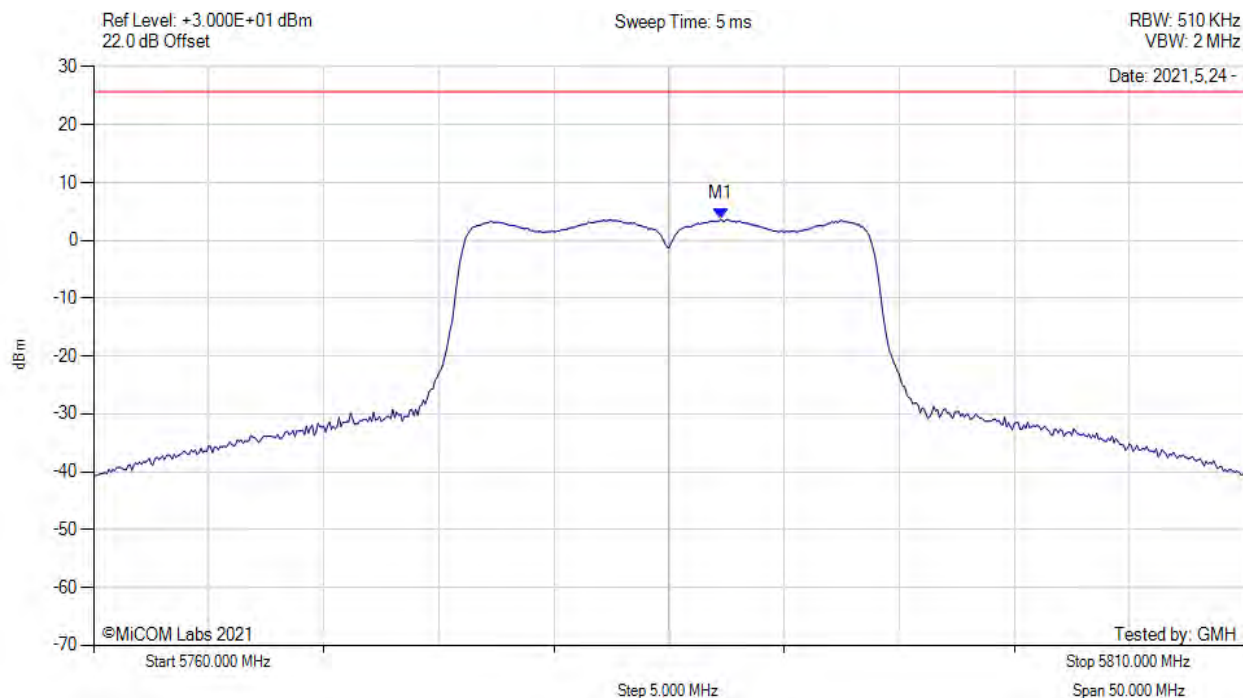
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5787.500 MHz : 2.957 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



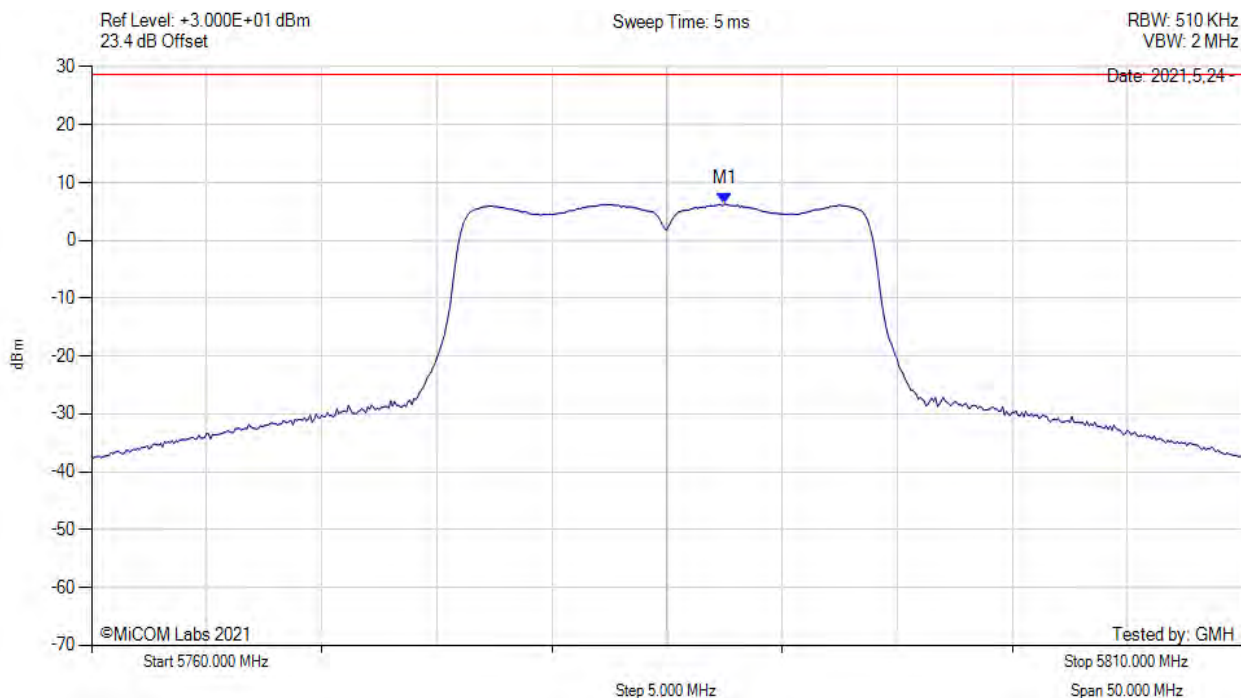
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results                   |
|----------------------------------------------------------------------------------|-------------------------------|--------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5787.250 MHz : 3.645 dBm | Channel Frequency: 5785.00 MHz |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



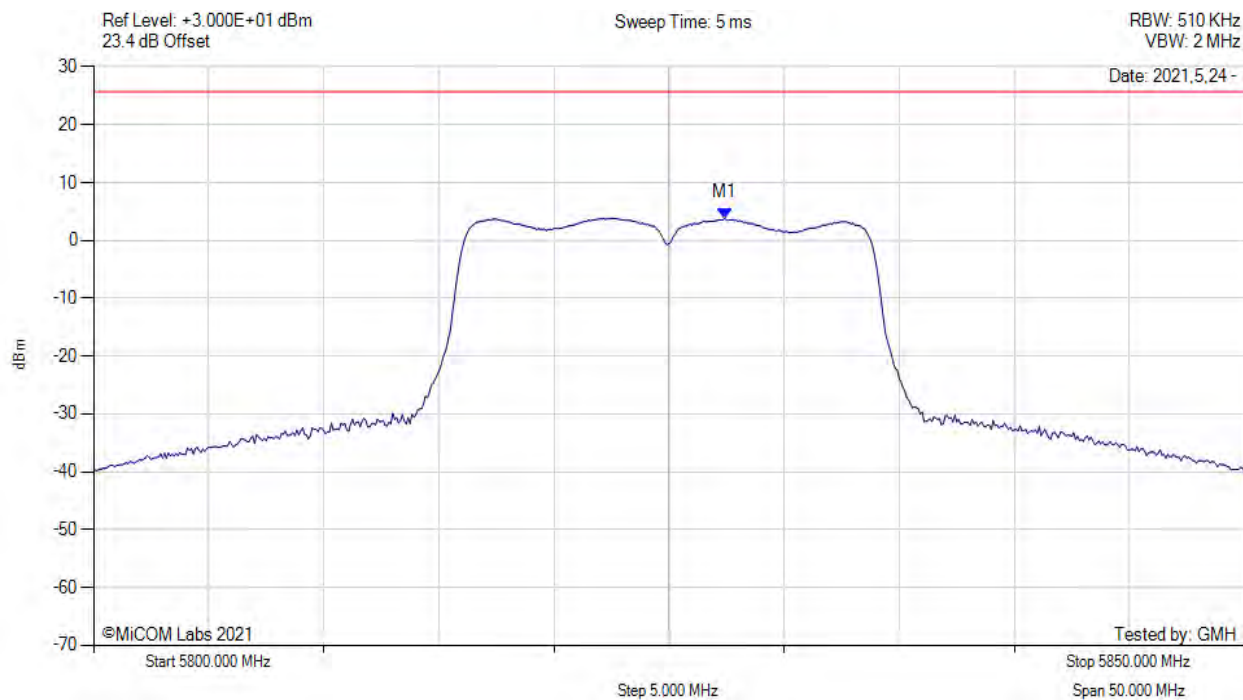
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5787.500 MHz : 6.320 dBm<br>M1 + DCCF : 5787.500 MHz : 6.364 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -22.3 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



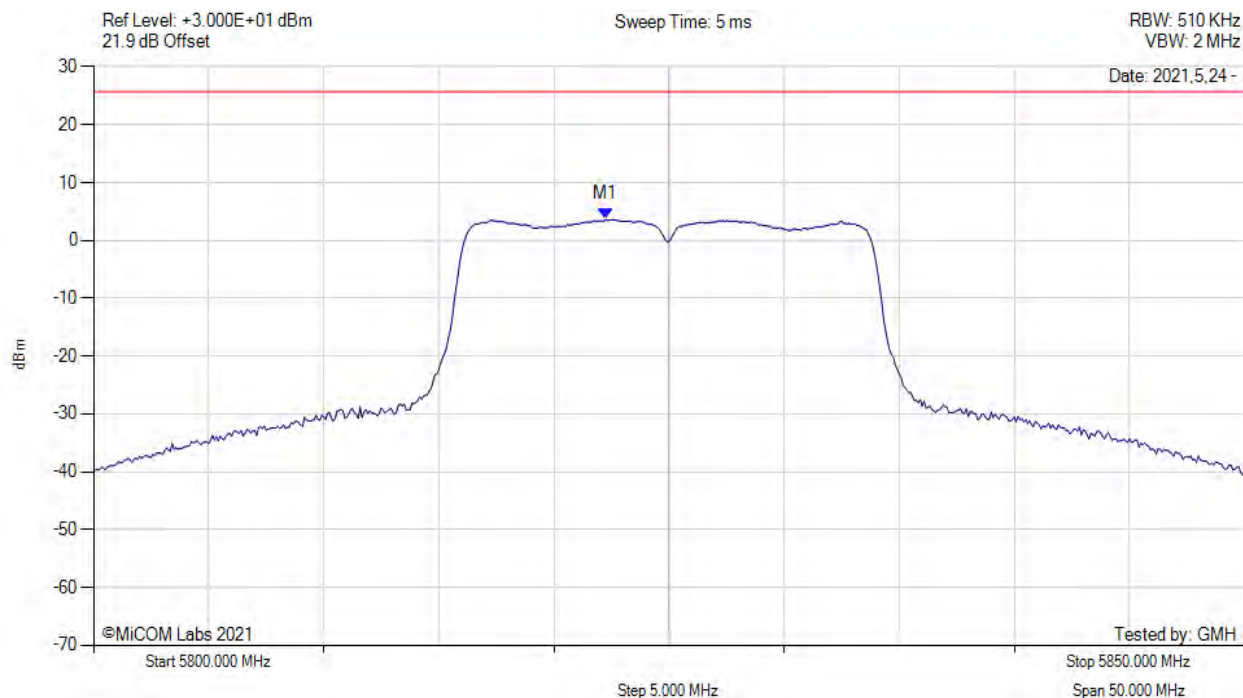
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5827.420 MHz : 3.859 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



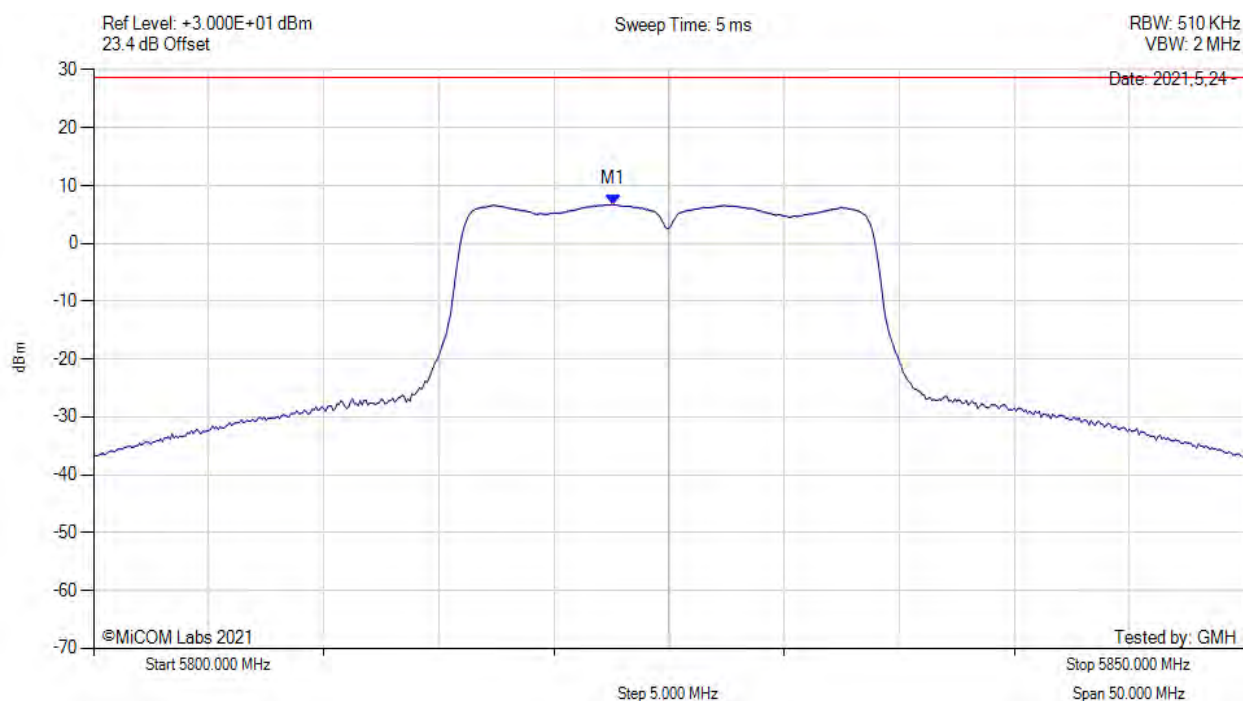
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.250 MHz : 3.642 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5825.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



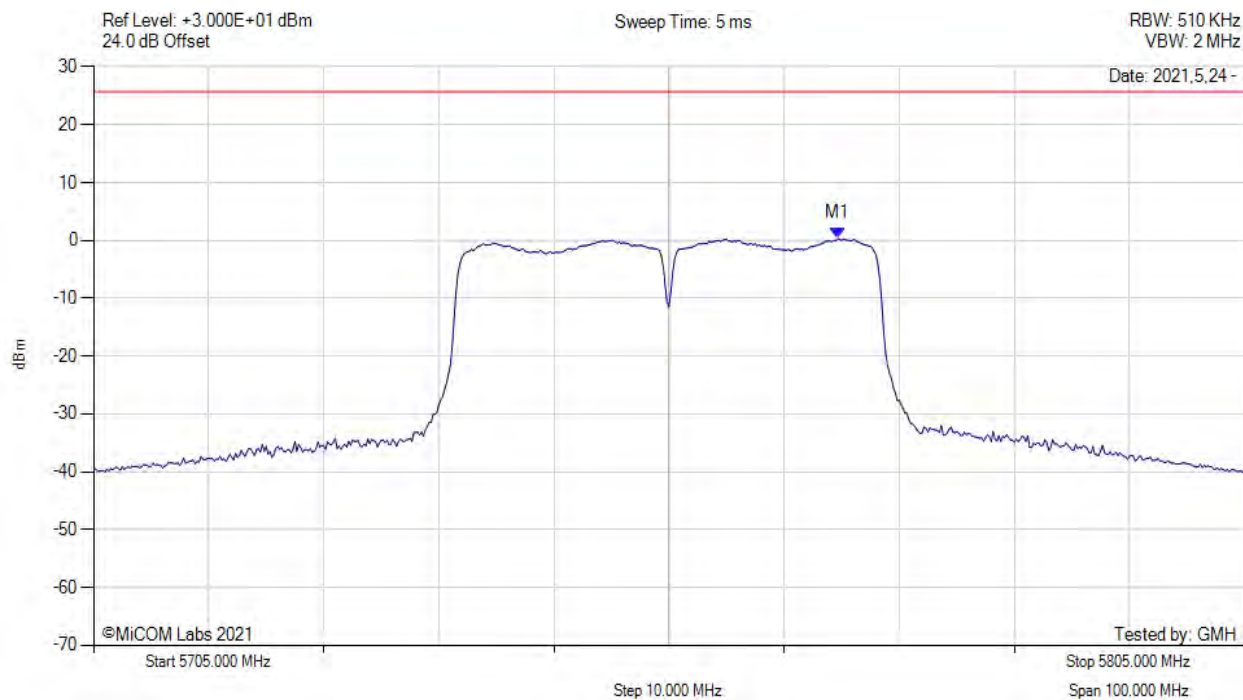
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5822.600 MHz : 6.725 dBm<br>M1 + DCCF : 5822.600 MHz : 6.769 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -21.9 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



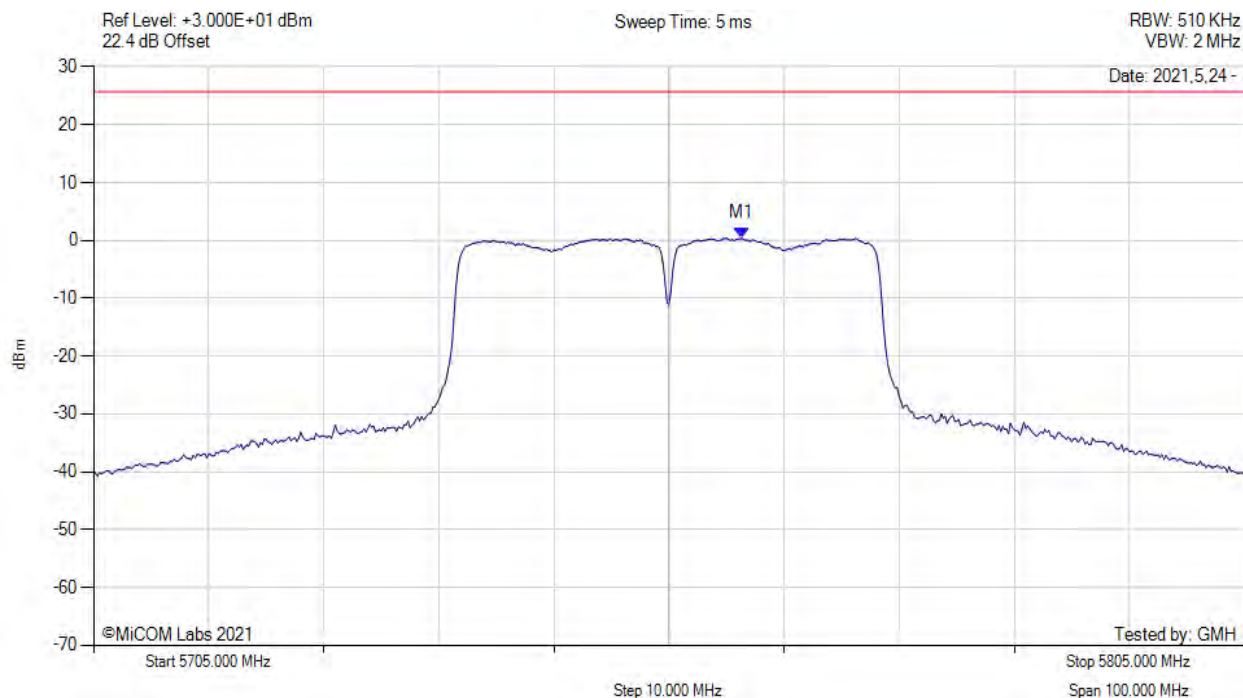
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5769.670 MHz : 0.309 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



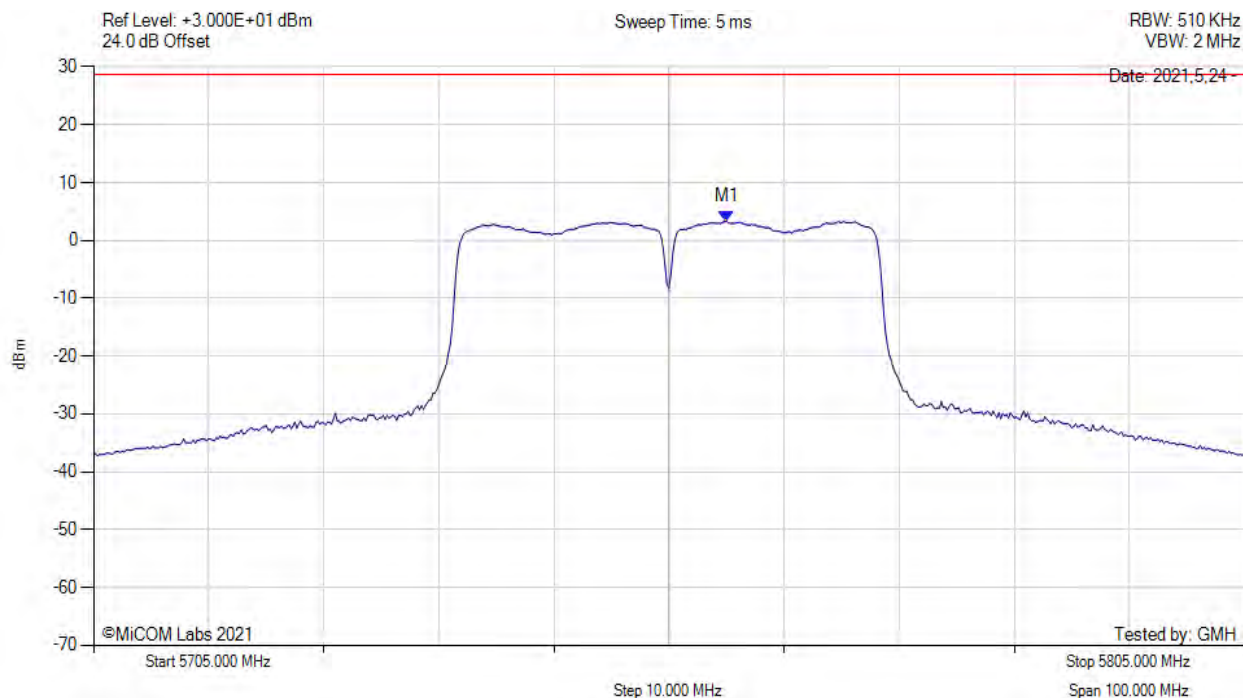
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5761.330 MHz : 0.364 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5755.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



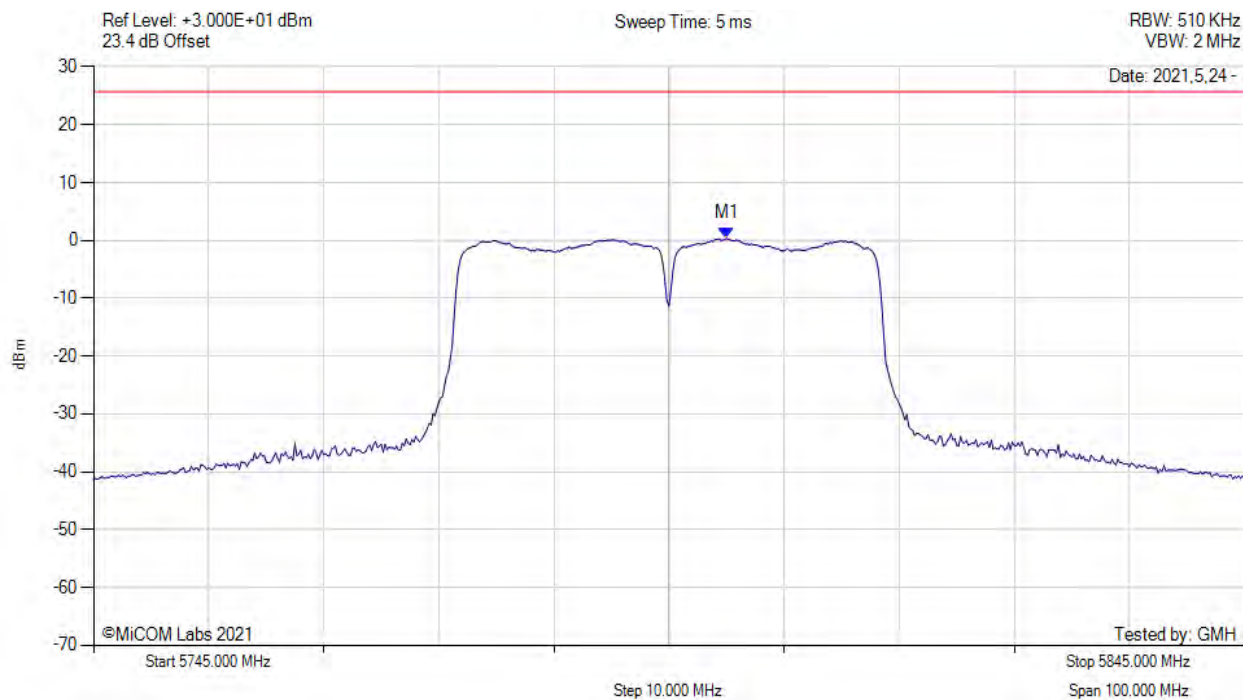
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                               |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5760.000 MHz : 3.309 dBm<br>M1 + DCCF : 5760.000 MHz : 3.353 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: $\leq 28.7$ dBm<br>Margin: -25.4 dB |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain a, Temp: 20, Voltage: 12 Vdc



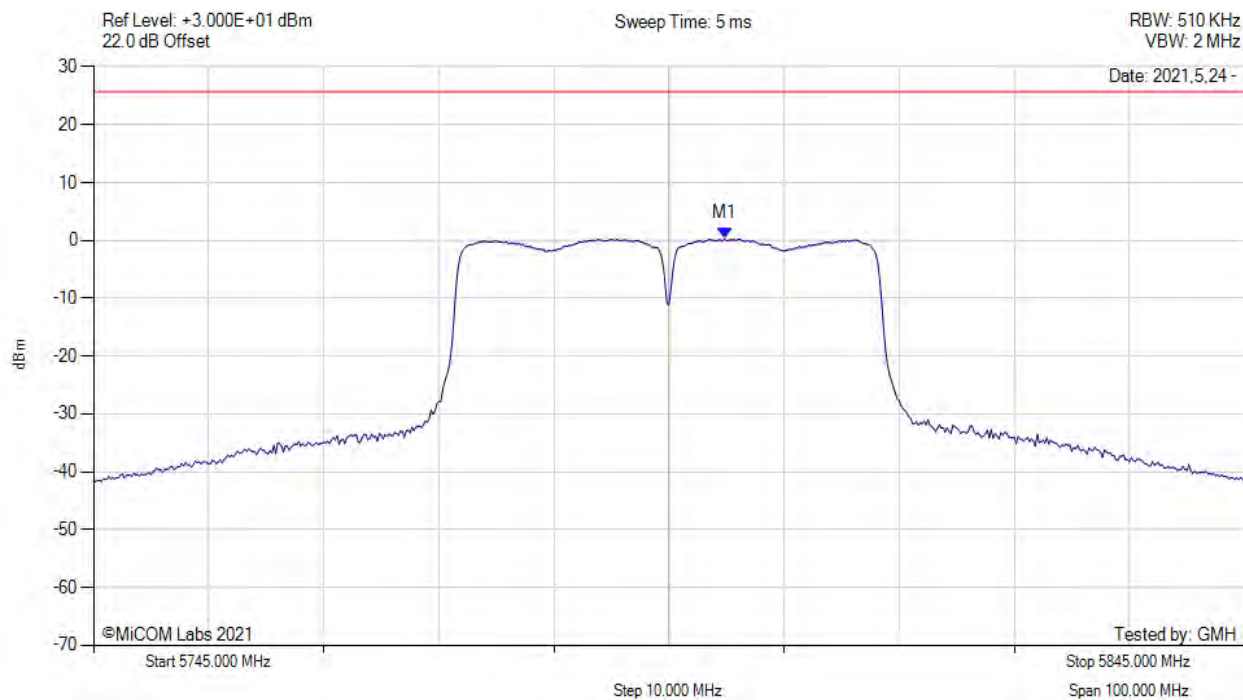
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5800.000 MHz : 0.334 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain b, Temp: 20, Voltage: 12 Vdc



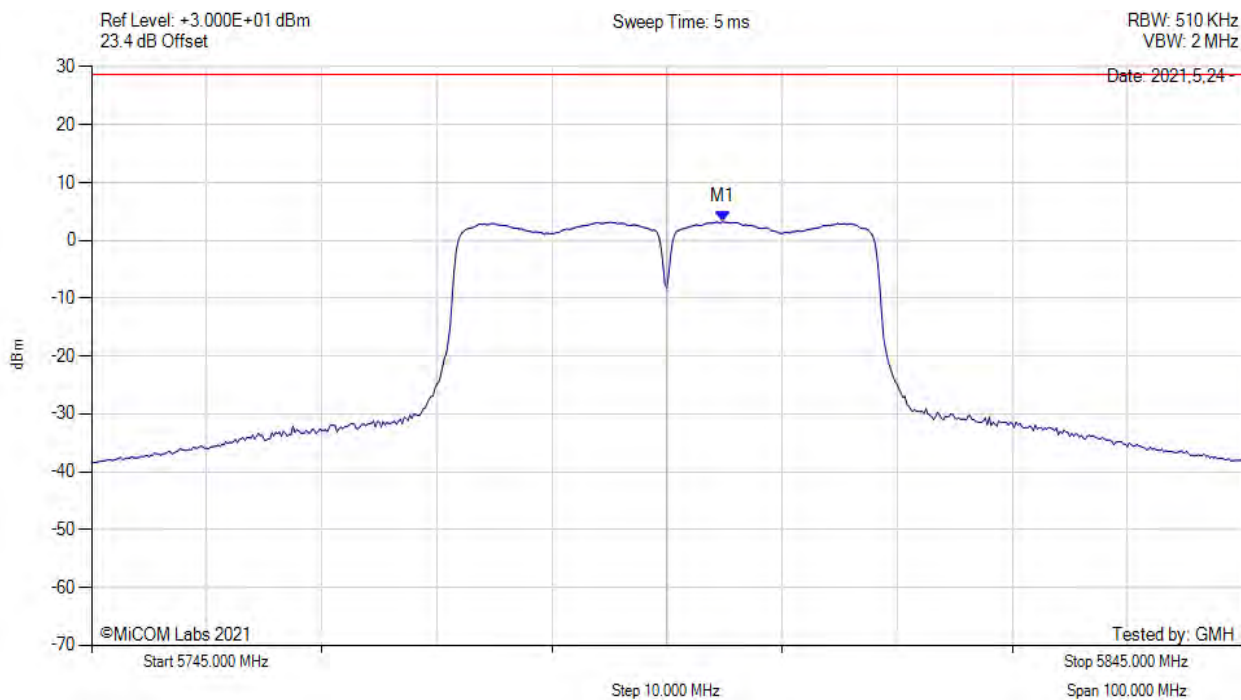
| Analyzer Setup                                                                   | Marker:Frequency:Amplitude    | Test Results        |
|----------------------------------------------------------------------------------|-------------------------------|---------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5799.830 MHz : 0.326 dBm | Limit: ≤ 25.690 dBm |

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# POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5795.00 MHz, SUM, Temp: 20, Voltage: 12 Vdc



| Analyzer Setup                                                                   | Marker:Frequency:Amplitude                                                                                       | Test Results                          |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5799.800 MHz : 3.256 dBm<br>M1 + DCCF : 5799.800 MHz : 3.300 dBm<br>Duty Cycle Correction Factor : +0.04 dB | Limit: ≤ 28.7 dBm<br>Margin: -25.4 dB |

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