# TEST REPORT ADDENDUM – CONDUCTED

FROM

Test of: Radwin Ltd. AP0168031 Wireless Module

To: FCC CFR 47 15.407 & ISED RSS-247

Test Report Serial No.: RDWN49-U5_Conducted Addendum Rev A

This report supersedes: NONE

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As a result of the 6 Mbyte FCC file size limitation potentially large test reports require to be split into smaller components. This document is the Master document controlling Addendum reports as listed below. This Master document combined with the Addendums demonstrate compliance with the standard

| Master Document Number | Addendum Reports |
|---|---|
| RDWN49-U5_Master | RDWN49-U5_Conducted Addendum |
| | RDWN49-U5_Radiated Addendum |

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# 1. TEST RESULTS

## 1.1. Peak Transmit Power

| Conducted Test Conditions for Maximum Conducted Output Power | | | |
|---|---|---|---|
| **Standard:** | FCC CFR 47:15.407 | **Ambient Temp. (ºC):** | 24.0 - 27.5 |
| **Test Heading:** | Maximum Conducted Output Power | **Rel. Humidity (%):** | 32 - 45 |
| **Standard Section(s):** | 15.407 (a) | **Pressure (mBars):** | 999 - 1001 |
| **Reference Document(s):** | See Normative References | | |

**Test Procedure for Maximum Conducted Output Power Measurement**
Method PM (Measurement using an RF average power meter). KDB 789033 defines a methodology using an average wideband power meter. Measurements were made while the EUT was operating in a continuous transmission mode (100% duty cycle) at the appropriate center frequency. All operational modes and frequency bands were measured independently and the resultant calculated. Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured and reported separately. A summation (Σ) of each antenna port output power is provided which includes any offset due to Duty Cycle Correction Factor (DCCF). Testing was performed under ambient conditions at nominal voltage.

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.
Supporting Information
Calculated Power = A + G + Y+ 10 log (1/x) dBm

A = Total Power [10*Log10 ($10^{a/10}$ + $10^{b/10}$ + $10^{c/10}$ + $10^{d/10}$)]
G = Antenna Gain
Y = Beamforming Gain
x = Duty Cycle (average power measurements only)

**Limits Maximum Conducted Output Power**

**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.

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| Equipment Configuration for Peak Transmit Power | | | |
|---|---|---|---|
| **Variant:** | 10 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 3.25 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Conducted Output Power (dBm) Port(s) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|---|---|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dB | |
| **5730.0** | 19.58 | 17.87 | 17.83 | -- | 23.28 | -- | 30.00 | -6.72 | 19.50 |
| **5787.0** | 22.86 | 22.12 | 21.42 | -- | 26.94 | -- | 30.00 | -3.06 | 24.50 |
| **5845.0** | 19.74 | 18.34 | 18.95 | -- | 23.82 | -- | 30.00 | -6.18 | 19.50 |

| Traceability to Industry Recognized Test Methodologies | |
|---|---|
| Work Instruction: | WI-01 MEASURING RF OUTPUT POWER |
| Measurement Uncertainty: | ±1.33 dB |

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

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| Equipment Configuration for Peak Transmit Power | | | |
|---|---|---|---|
| **Variant:** | 20 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 6.50 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Conducted Output Power (dBm) Port(s) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|---|---|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dB | |
| **5735.0** | 19.71 | 17.98 | 18.13 | -- | 23.45 | -- | 30.00 | -6.55 | 19.50 |
| **5787.0** | 25.27 | 25.20 | 24.66 | -- | 29.82 | -- | 30.00 | -0.18 | 28.00 |
| **5840.0** | 19.74 | 18.35 | 18.99 | -- | 23.84 | -- | 30.00 | -6.16 | 19.50 |

| Traceability to Industry Recognized Test Methodologies | |
|---|---|
| Work Instruction: | WI-01 MEASURING RF OUTPUT POWER |
| Measurement Uncertainty: | ±1.33 dB |

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

| Equipment Configuration for Peak Transmit Power | | | |
|---|---|---|---|
| **Variant:** | 40 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 13.50 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Conducted Output Power (dBm) Port(s) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|---|---|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dB | |
| **5745.0** | 21.91 | 19.97 | 19.60 | -- | 25.39 | -- | 30.00 | -4.61 | 21.00 |
| **5787.0** | 25.09 | 24.96 | 24.46 | -- | 29.62 | -- | 30.00 | -0.38 | 28.00 |
| **5830.0** | 20.96 | 19.24 | 19.96 | -- | 24.88 | -- | 30.00 | -5.12 | 20.50 |

| Traceability to Industry Recognized Test Methodologies | |
|---|---|
| Work Instruction: | WI-01 MEASURING RF OUTPUT POWER |
| Measurement Uncertainty: | ±1.33 dB |

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

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| Equipment Configuration for Peak Transmit Power | | | |
|---|---|---|---|
| **Variant:** | 80 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 29.30 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Conducted Output Power (dBm) Port(s) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|---|---|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dB | |
| **5765.0** | 17.89 | 15.72 | 15.60 | -- | 21.31 | -- | 30.00 | -8.69 | 17.50 |
| **5787.0** | 25.35 | 24.83 | 24.43 | -- | 29.66 | -- | 30.00 | -0.34 | 29.00 |
| **5810.0** | 17.92 | 15.90 | 17.20 | -- | 21.86 | -- | 30.00 | -8.14 | 17.50 |

| Traceability to Industry Recognized Test Methodologies | |
|---|---|
| Work Instruction: | WI-01 MEASURING RF OUTPUT POWER |
| Measurement Uncertainty: | ±1.33 dB |

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

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## 1.2. 6 dB & 99% Bandwidth

| Conducted Test Conditions for 6 dB and 99% Bandwidth | | | |
|---|---|---|---|
| **Standard:** | FCC CFR 47:15.407 | **Ambient Temp. (ºC):** | 24.0 - 27.5 |
| **Test Heading:** | 6 dB and 99 % Bandwidth | **Rel. Humidity (%):** | 32 - 45 |
| **Standard Section(s):** | 15.407 (a) | **Pressure (mBars):** | 999 - 1001 |
| **Reference Document(s):** | See Normative References | | |

**Test Procedure for 6 dB and 99% Bandwidth Measurement**
The bandwidth at 6 dB and 99 % is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency. The Resolution Bandwidth was set to 100 kHz.
Testing was performed under ambient conditions at nominal voltage. Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured and reported.

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

| Equipment Configuration for 6 dB & 99% Bandwidth | | | |
|---|---|---|---|
| **Variant:** | 10 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 3.25 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured 6 dB Bandwidth (MHz) | | | | 6 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5730.0** | 8.750 | 8.830 | 8.750 | -- | 8.830 | 8.750 | | |
| **5787.0** | 8.750 | 8.830 | 8.830 | -- | 8.830 | 8.750 | | |
| **5845.0** | 8.750 | 8.750 | 8.750 | -- | 8.750 | 8.750 | | |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5730.0** | 11.610 | 10.880 | 9.310 | -- | 11.610 | 9.310 | | |
| **5787.0** | 10.560 | 13.634 | 11.864 | -- | 13.634 | 10.560 | | |
| **5845.0** | 9.798 | 12.773 | 12.530 | -- | 12.773 | 9.798 | | |

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

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

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| Equipment Configuration for 6 dB & 99% Bandwidth | | | |
|---|---|---|---|
| **Variant:** | 20 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 6.50 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured 6 dB Bandwidth (MHz) | | | | 6 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5735.0** | 17.500 | 17.500 | 17.500 | -- | 17.500 | 17.500 | | |
| **5787.0** | 17.500 | 17.500 | 17.500 | -- | 17.500 | 17.500 | | |
| **5840.0** | 17.500 | 17.500 | 17.500 | -- | 17.500 | 17.500 | | |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5735.0** | 19.269 | 19.066 | 18.011 | -- | 19.269 | 18.011 | | |
| **5787.0** | 20.518 | 24.612 | 21.940 | -- | 24.612 | 20.518 | | |
| **5840.0** | 19.488 | 23.482 | 23.375 | -- | 23.482 | 19.488 | | |

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

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

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| Equipment Configuration for 6 dB & 99% Bandwidth | | | |
|---|---|---|---|
| **Variant:** | 40 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 13.50 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured 6 dB Bandwidth (MHz) | | | | 6 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5745.0** | 36.000 | 35.300 | 36.300 | -- | 36.300 | 35.300 | | |
| **5787.0** | 36.000 | 36.000 | 35.700 | -- | 36.000 | 35.700 | | |
| **5830.0** | 36.000 | 36.000 | 35.700 | -- | 36.000 | 35.700 | | |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5745.0** | 39.586 | 47.090 | 37.004 | -- | 47.090 | 37.004 | | |
| **5787.0** | 39.115 | 52.372 | 46.064 | -- | 52.372 | 39.115 | | |
| **5830.0** | 37.571 | 54.897 | 49.927 | -- | 54.897 | 37.571 | | |

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

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

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| Equipment Configuration for 6 dB & 99% Bandwidth | | | |
|---|---|---|---|
| **Variant:** | 80 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 29.30 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured 6 dB Bandwidth (MHz) | | | | 6 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5765.0** | 74.700 | 75.300 | 74.700 | -- | 75.300 | 74.700 | | |
| **5787.0** | 75.300 | 74.000 | 75.300 | -- | 75.300 | 74.000 | | |
| **5810.0** | 75.300 | 74.000 | 74.700 | -- | 75.300 | 74.000 | | |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | | | |
|---|---|---|---|---|---|---|---|---|
| | Port(s) | | | | | | | |
| **MHz** | **a** | **b** | **c** | **d** | **Highest** | **Lowest** | | |
| **5765.0** | 78.878 | 96.190 | 79.207 | -- | 96.190 | 78.878 | | |
| **5787.0** | 96.745 | 112.681 | 100.555 | -- | 112.681 | 96.745 | | |
| **5810.0** | 91.058 | 111.016 | 104.314 | -- | 111.016 | 91.058 | | |

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

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

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## 1.3. Power Spectral Density

| Conducted Test Conditions for Power Spectral Density | | | |
|---|---|---|---|
| **Standard:** | FCC CFR 47:15.407 | **Ambient Temp. (ºC):** | 24.0 - 27.5 |
| **Test Heading:** | Power Spectral Density | **Rel. Humidity (%):** | 32 - 45 |
| **Standard Section(s):** | 15.407 (a) | **Pressure (mBars):** | 999 - 1001 |
| **Reference Document(s):** | 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 (å) 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 [$10*\text{Log10}\ (10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})$]
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.

| Equipment Configuration for Power Spectral Density | | | |
|---|---|---|---|
| **Variant:** | 10 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 3.25 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Power Spectral Density Port(s) (dBm/500 KHz) | | | | Summation Peak Marker + DCCF (+0 dB) | Limit | Margin |
|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | dBm/500 KHz | dBm/500 KHz | dB |
| 5730.0 | 14.894 | 14.235 | 13.323 | -- | 18.514 | 30.0 | -11.5 |
| 5787.0 | 14.552 | 14.606 | 14.402 | -- | 18.523 | 30.0 | -11.4 |
| 5845.0 | 14.239 | 14.483 | 14.616 | -- | 18.529 | 30.0 | -11.4 |

| 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).

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| Equipment Configuration for Power Spectral Density | | | |
|---|---|---|---|
| **Variant:** | 20 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 6.50 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Power Spectral Density Port(s) (dBm/500 KHz) | | | | Summation Peak Marker + DCCF (+0 dB) | Limit | Margin |
|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | dBm/500 KHz | dBm/500 KHz | dB |
| 5735.0 | 11.674 | 10.956 | 10.300 | -- | 15.449 | 30.0 | -14.5 |
| 5787.0 | 11.457 | 11.377 | 11.348 | -- | 15.922 | 30.0 | -14.0 |
| 5840.0 | 11.266 | 11.083 | 11.583 | -- | 15.883 | 30.0 | -14.1 |

| 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).

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| Equipment Configuration for Power Spectral Density | | | |
|---|---|---|---|
| **Variant:** | 40 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 13.50 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Power Spectral Density Port(s) (dBm/500 KHz) | | | | Summation Peak Marker + DCCF (+0 dB) | Limit | Margin |
|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | dBm/500 KHz | dBm/500 KHz | dB |
| 5745.0 | 8.262 | 8.454 | 7.863 | -- | 12.464 | 30.0 | -17.5 |
| 5787.0 | 7.885 | 8.289 | 8.079 | -- | 12.663 | 30.0 | -17.3 |
| 5830.0 | 8.470 | 8.609 | 8.730 | -- | 12.759 | 30.0 | -17.2 |

| 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).

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| Equipment Configuration for Power Spectral Density | | | |
|---|---|---|---|
| **Variant:** | 80 MHz | **Duty Cycle (%):** | 100.0 |
| **Data Rate:** | 29.30 MBit/s | **Antenna Gain (dBi):** | 12.50 |
| **Modulation:** | OFDM | **Beam Forming Gain (Y)(dB):** | Not Applicable |
| **TPC:** | Not Applicable | **Tested By:** | CC |
| **Engineering Test Notes:** | Fixed Point-to-point | | |

**Test Measurement Results**

| Test Frequency | Measured Power Spectral Density Port(s) (dBm/500 KHz) | | | | Summation Peak Marker + DCCF (+0 dB) | Limit | Margin |
|---|---|---|---|---|---|---|---|
| MHz | a | b | c | d | dBm/500 KHz | dBm/500 KHz | dB |
| 5765.0 | 6.029 | 5.224 | 5.120 | -- | 9.786 | 30.0 | -20.2 |
| 5787.0 | 5.824 | 5.871 | 5.459 | -- | 9.970 | 30.0 | -20.0 |
| 5810.0 | 5.173 | 5.415 | 5.655 | -- | 9.899 | 30.0 | -20.1 |

| 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).

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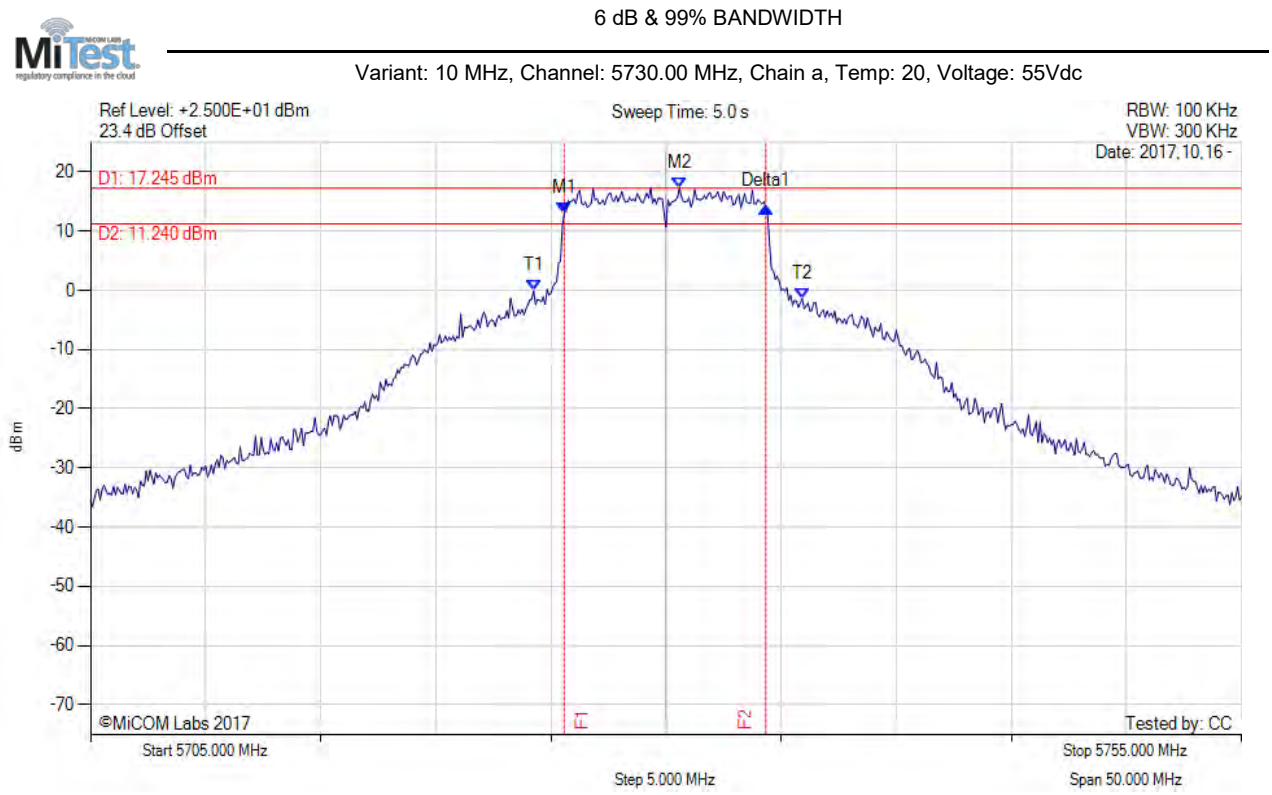
# A. APPENDIX - GRAPHICAL IMAGES

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

## A.1. 6 dB & 99% Bandwidth

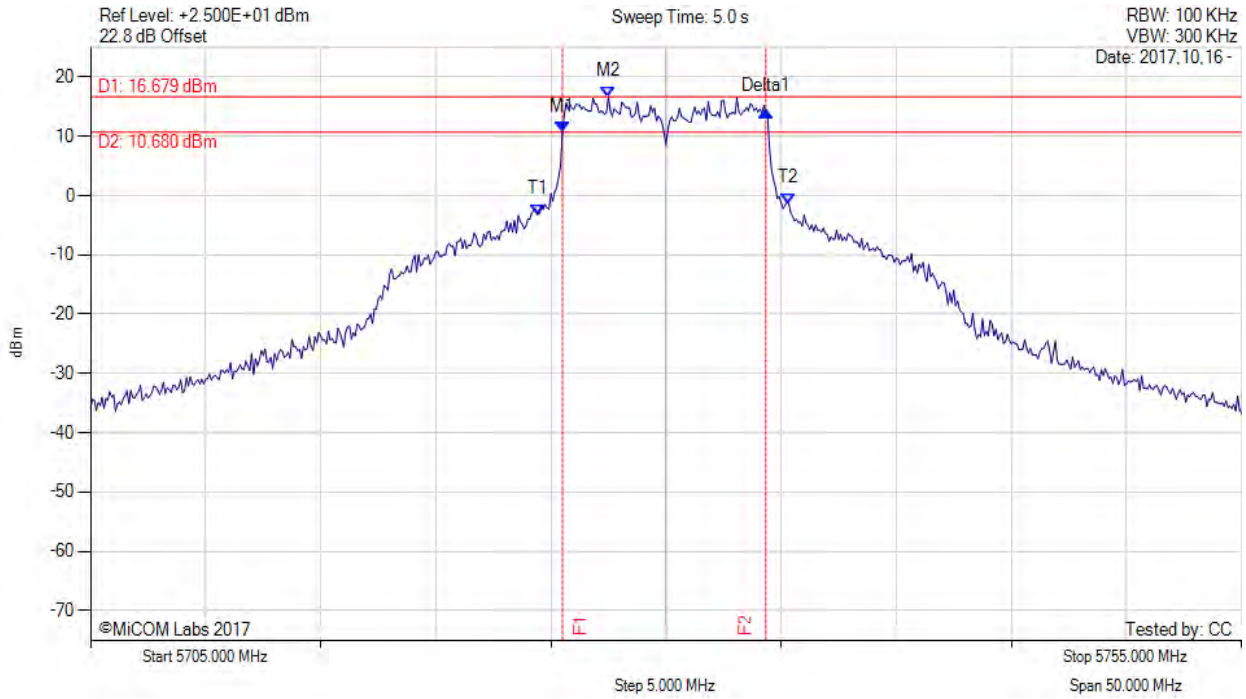



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5725.580 MHz : 13.066 dBm<br>M2 : 5730.580 MHz : 17.245 dBm<br>Delta1 : 8.750 MHz : 1.030 dB<br>T1 : 5724.250 MHz : -0.081 dBm<br>T2 : 5735.917 MHz : -1.372 dBm<br>OBW : 11.610 MHz | Measured 6 dB Bandwidth: 8.750 MHz<br>Measured 99% Bandwidth: 11.610 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5730.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

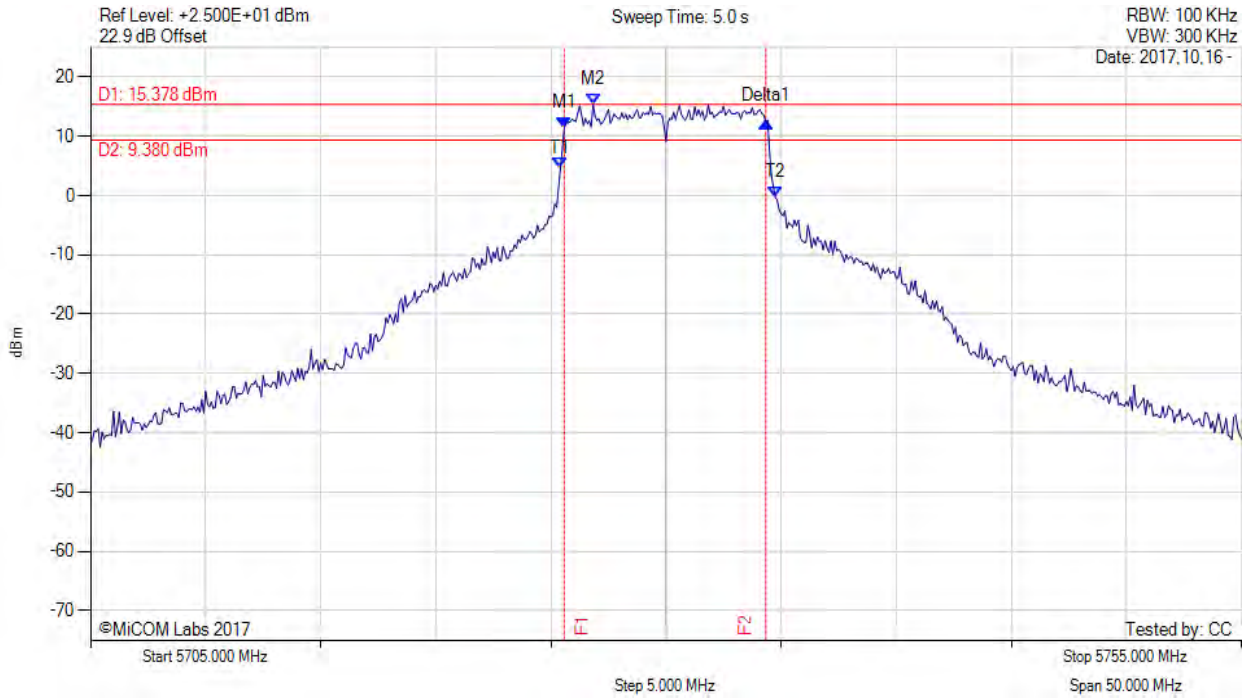



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5725.500 MHz : 10.736 dBm<br>M2 : 5727.500 MHz : 16.679 dBm<br>Delta1 : 8.830 MHz : 3.538 dB<br>T1 : 5724.417 MHz : -3.194 dBm<br>T2 : 5735.333 MHz : -1.326 dBm<br>OBW : 10.880 MHz | Measured 6 dB Bandwidth: 8.830 MHz<br>Measured 99% Bandwidth: 10.880 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5730.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

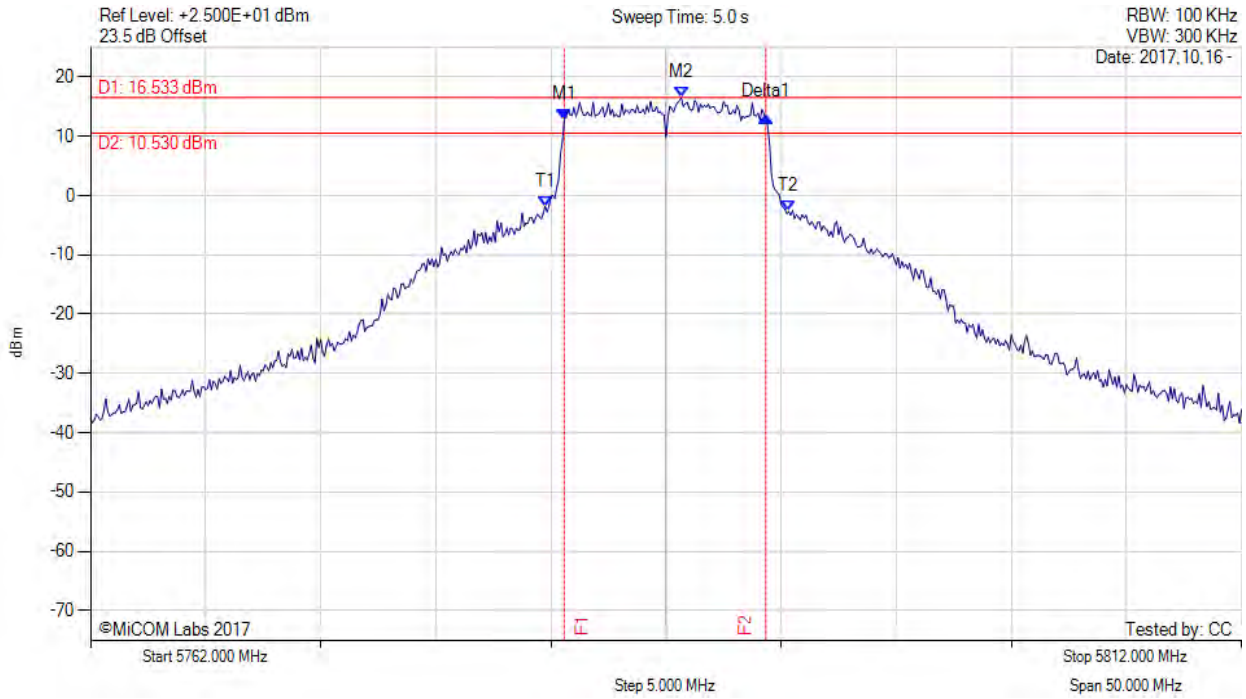



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5725.580 MHz : 11.454 dBm<br>M2 : 5726.830 MHz : 15.378 dBm<br>Delta1 : 8.750 MHz : 1.003 dB<br>T1 : 5725.417 MHz : 4.652 dBm<br>T2 : 5734.750 MHz : -0.318 dBm<br>OBW : 9.310 MHz | Measured 6 dB Bandwidth: 8.750 MHz<br>Measured 99% Bandwidth: 9.310 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

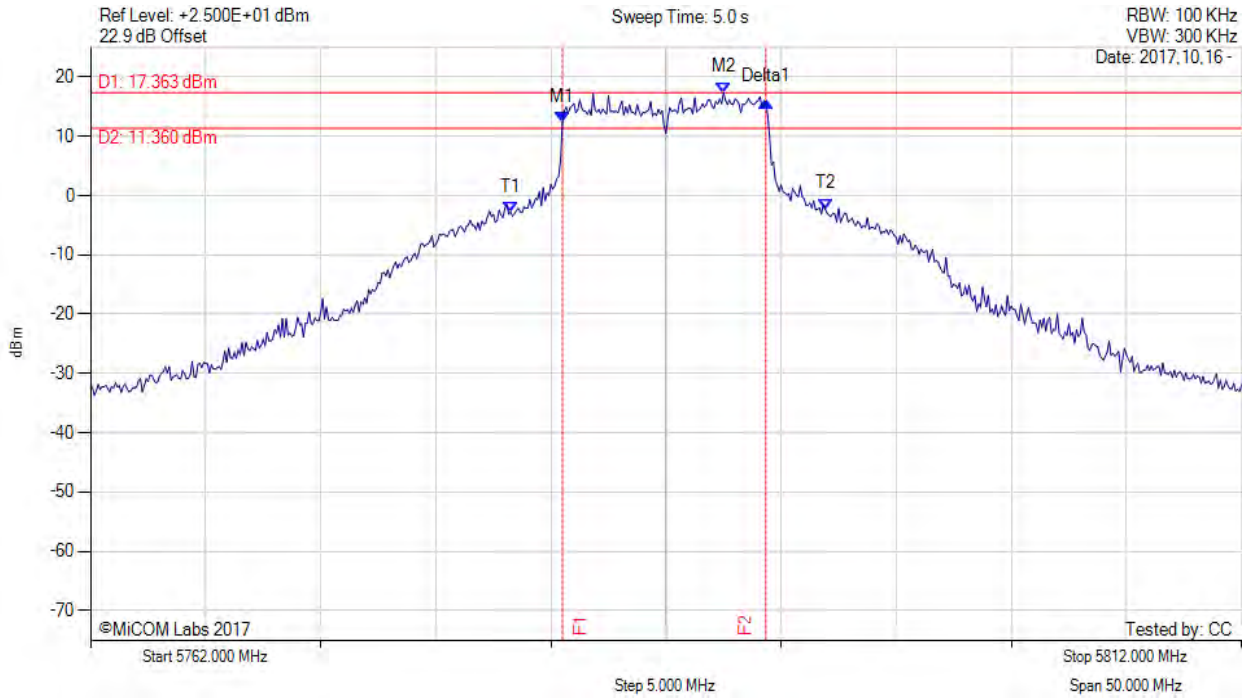



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5782.580 MHz : 12.802 dBm<br>M2 : 5787.670 MHz : 16.533 dBm<br>Delta1 : 8.750 MHz : 0.498 dB<br>T1 : 5781.750 MHz : -1.820 dBm<br>T2 : 5792.333 MHz : -2.691 dBm<br>OBW : 10.560 MHz | Measured 6 dB Bandwidth: 8.750 MHz<br>Measured 99% Bandwidth: 10.560 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

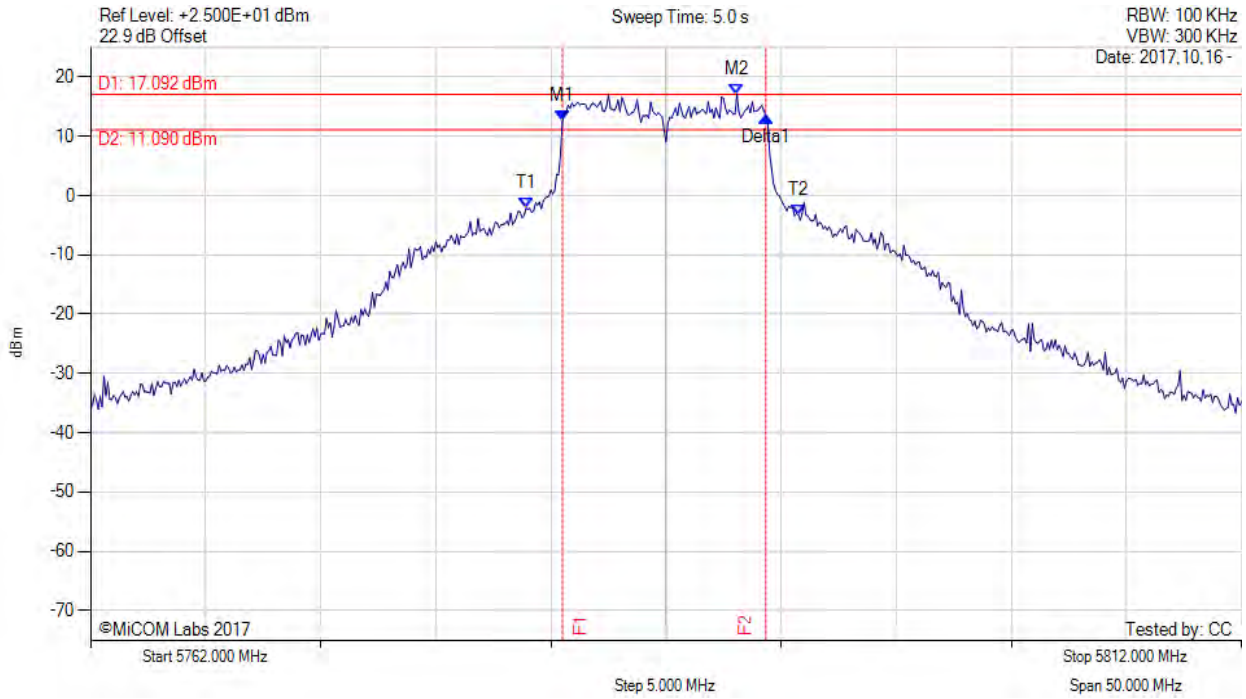



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5782.500 MHz : 12.274 dBm<br>M2 : 5789.500 MHz : 17.363 dBm<br>Delta1 : 8.830 MHz : 3.666 dB<br>T1 : 5780.250 MHz : -2.757 dBm<br>T2 : 5793.917 MHz : -2.253 dBm<br>OBW : 13.634 MHz | Measured 6 dB Bandwidth: 8.830 MHz<br>Measured 99% Bandwidth: 13.634 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

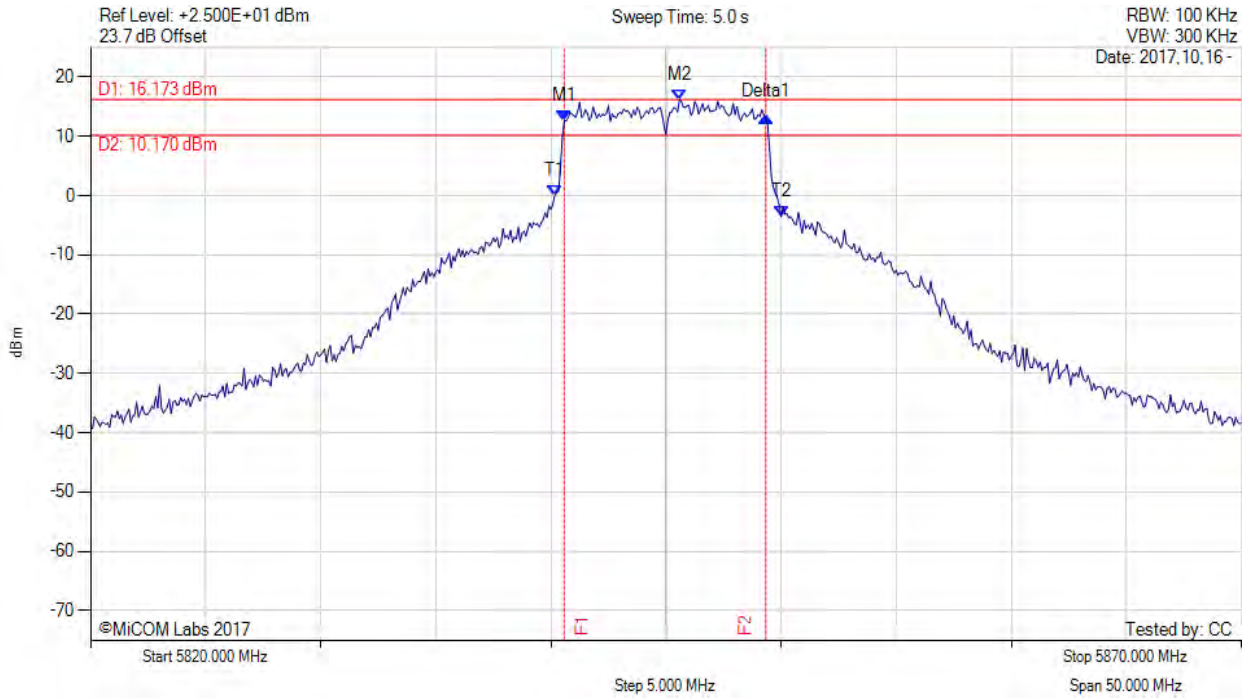



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5782.500 MHz : 12.572 dBm<br>M2 : 5790.080 MHz : 17.092 dBm<br>Delta1 : 8.830 MHz : 0.833 dB<br>T1 : 5780.917 MHz : -2.150 dBm<br>T2 : 5792.750 MHz : -3.226 dBm<br>OBW : 11.864 MHz | Measured 6 dB Bandwidth: 8.830 MHz<br>Measured 99% Bandwidth: 11.864 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5845.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

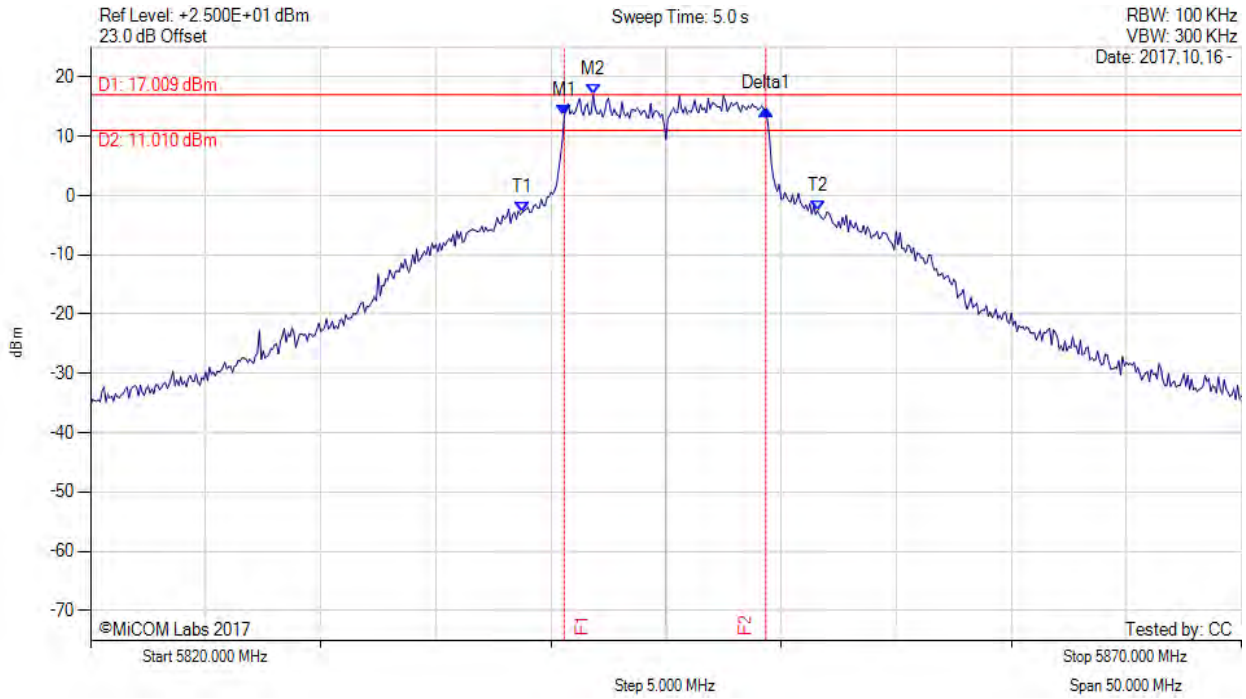



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5840.580 MHz : 12.602 dBm<br>M2 : 5845.580 MHz : 16.173 dBm<br>Delta1 : 8.750 MHz : 0.602 dB<br>T1 : 5840.167 MHz : 0.064 dBm<br>T2 : 5850.000 MHz : -3.530 dBm<br>OBW : 9.798 MHz | Measured 6 dB Bandwidth: 8.750 MHz<br>Measured 99% Bandwidth: 9.798 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5845.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

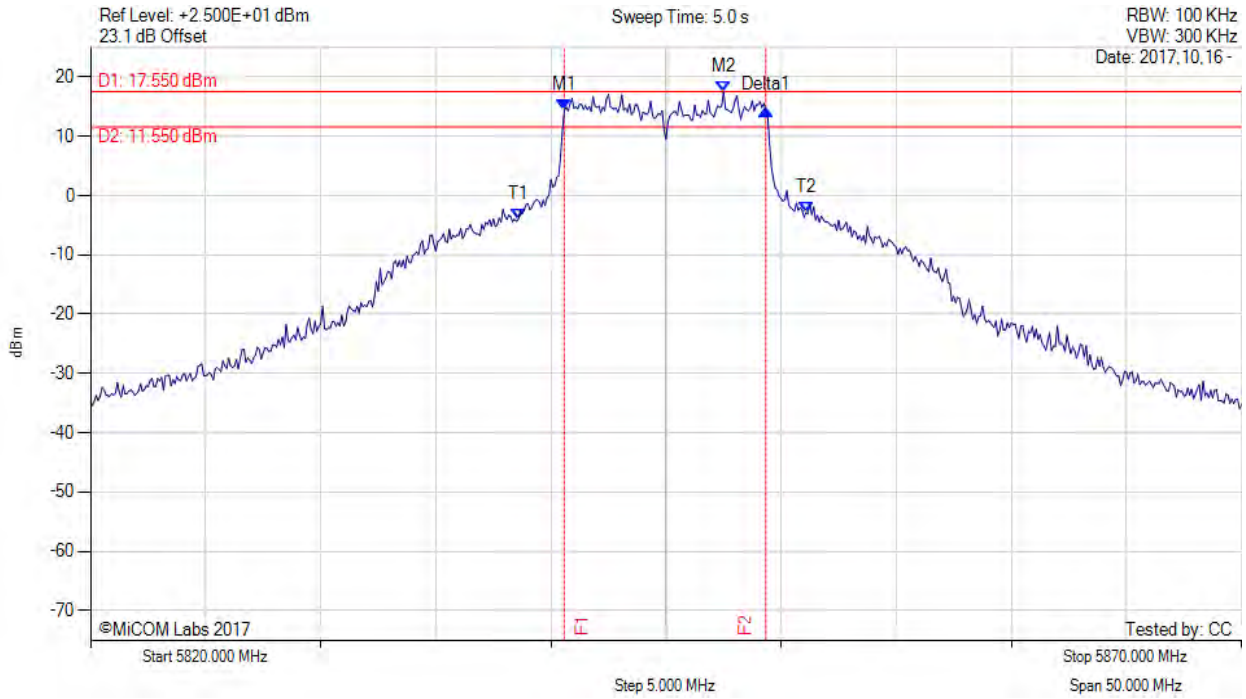



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5840.580 MHz : 13.531 dBm<br>M2 : 5841.830 MHz : 17.009 dBm<br>Delta1 : 8.750 MHz : 1.042 dB<br>T1 : 5838.750 MHz : -2.880 dBm<br>T2 : 5851.583 MHz : -2.571 dBm<br>OBW : 12.773 MHz | Measured 6 dB Bandwidth: 8.750 MHz<br>Measured 99% Bandwidth: 12.773 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5845.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

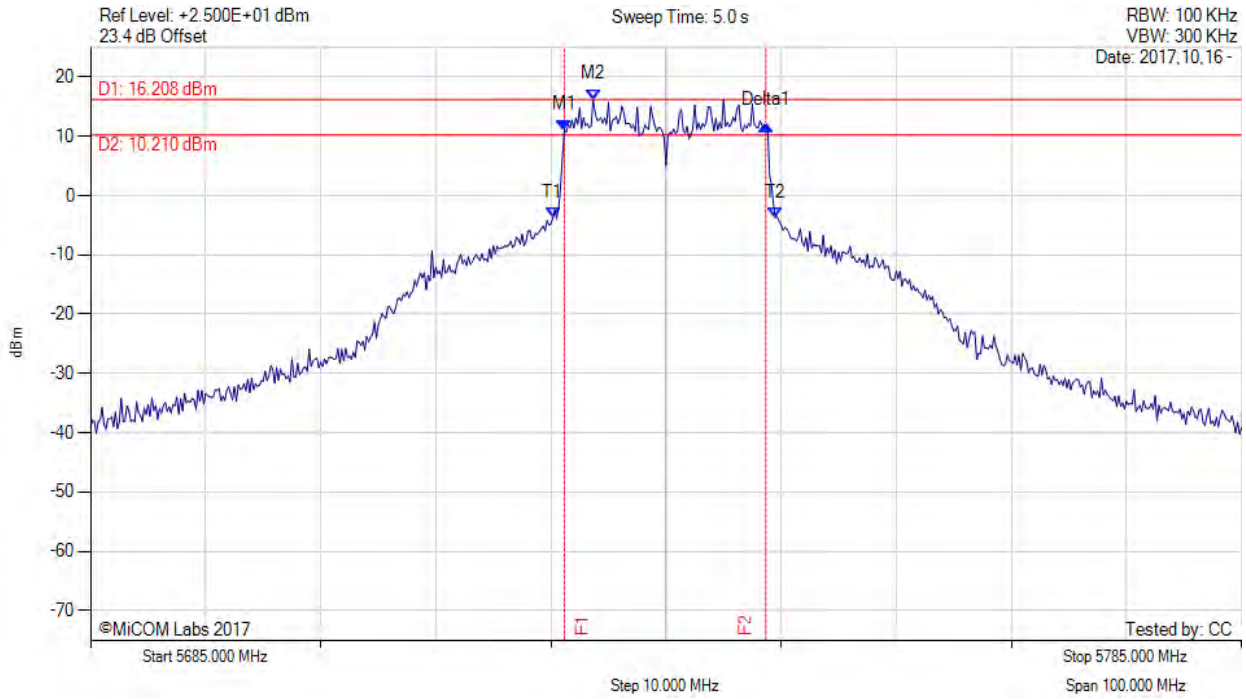



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5840.580 MHz : 14.451 dBm<br>M2 : 5847.500 MHz : 17.550 dBm<br>Delta1 : 8.750 MHz : 0.047 dB<br>T1 : 5838.583 MHz : -4.002 dBm<br>T2 : 5851.083 MHz : -2.893 dBm<br>OBW : 12.530 MHz | Measured 6 dB Bandwidth: 8.750 MHz<br>Measured 99% Bandwidth: 12.530 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5735.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

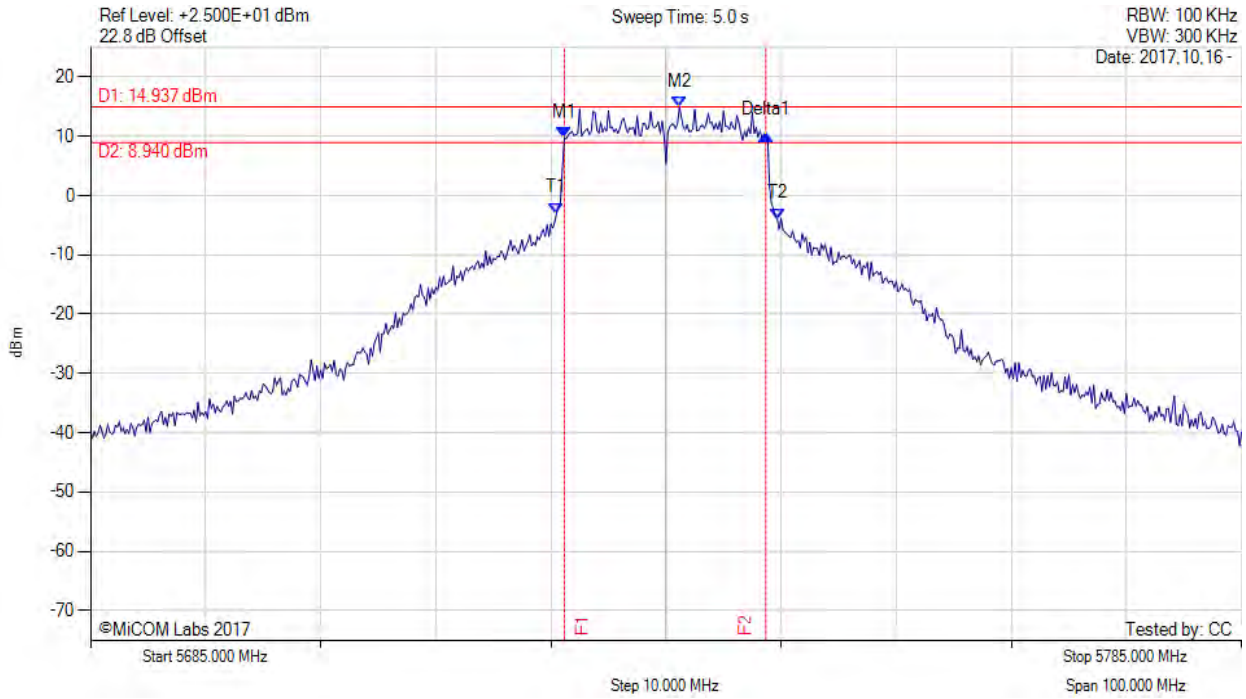



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5726.170 MHz : 11.066 dBm<br>M2 : 5728.670 MHz : 16.208 dBm<br>Delta1 : 17.500 MHz : 0.902 dB<br>T1 : 5725.167 MHz : -3.772 dBm<br>T2 : 5744.500 MHz : -3.734 dBm<br>OBW : 19.269 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 19.269 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5735.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

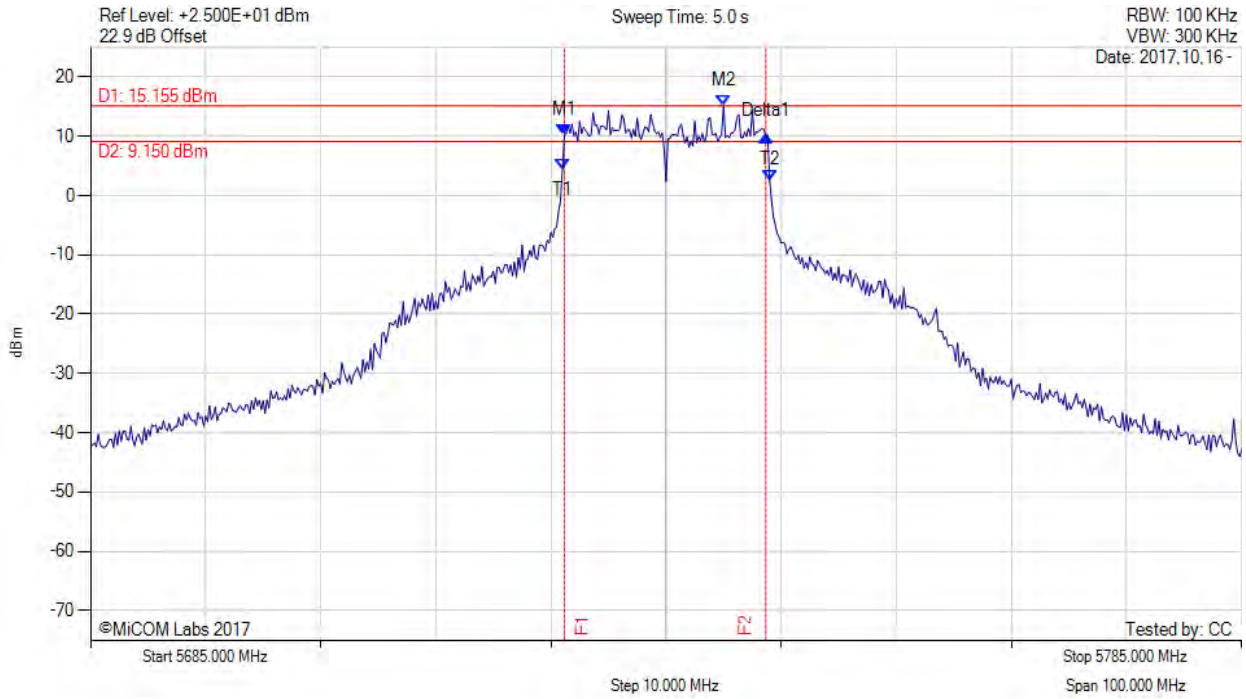



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5726.170 MHz : 9.766 dBm<br>M2 : 5736.170 MHz : 14.937 dBm<br>Delta1 : 17.500 MHz : 0.487 dB<br>T1 : 5725.500 MHz : -2.952 dBm<br>T2 : 5744.667 MHz : -3.890 dBm<br>OBW : 19.066 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 19.066 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5735.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

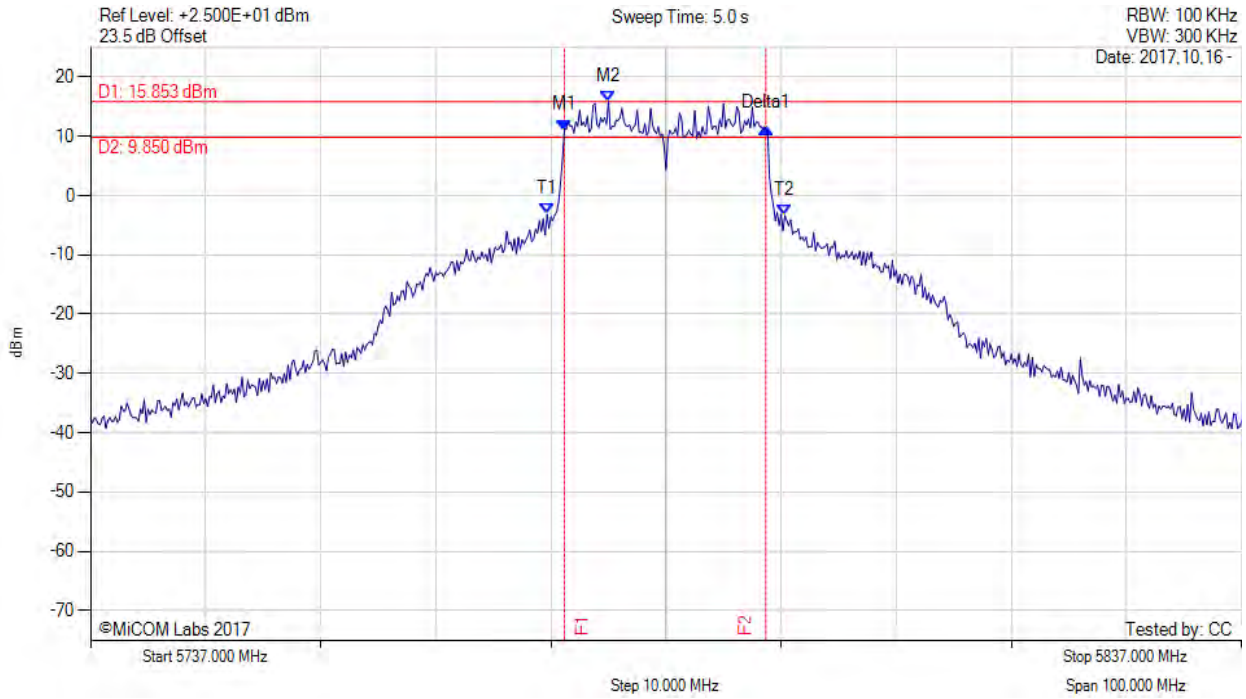



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5726.170 MHz : 10.228 dBm<br>M2 : 5740.000 MHz : 15.155 dBm<br>Delta1 : 17.500 MHz : -0.205 dB<br>T1 : 5726.000 MHz : 4.458 dBm<br>T2 : 5744.000 MHz : 2.661 dBm<br>OBW : 18.011 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 18.011 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

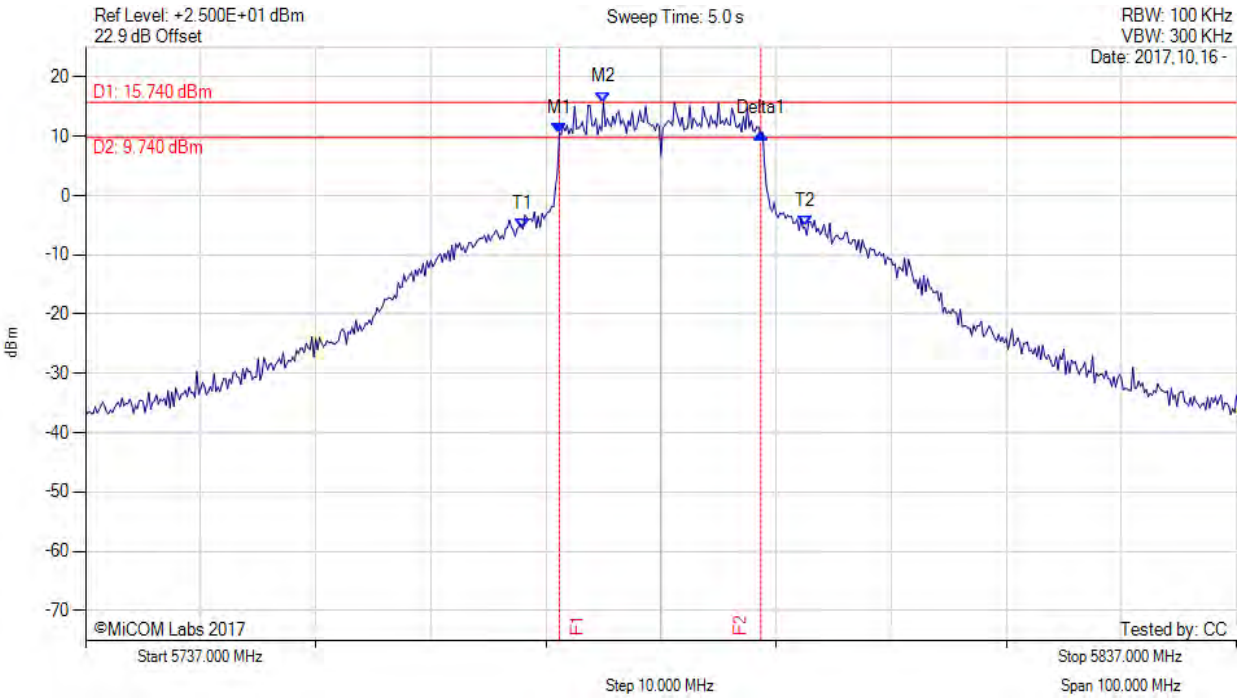



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5778.170 MHz : 11.077 dBm<br>M2 : 5782.000 MHz : 15.853 dBm<br>Delta1 : 17.500 MHz : 0.370 dB<br>T1 : 5776.667 MHz : -3.140 dBm<br>T2 : 5797.333 MHz : -3.373 dBm<br>OBW : 20.518 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 20.518 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

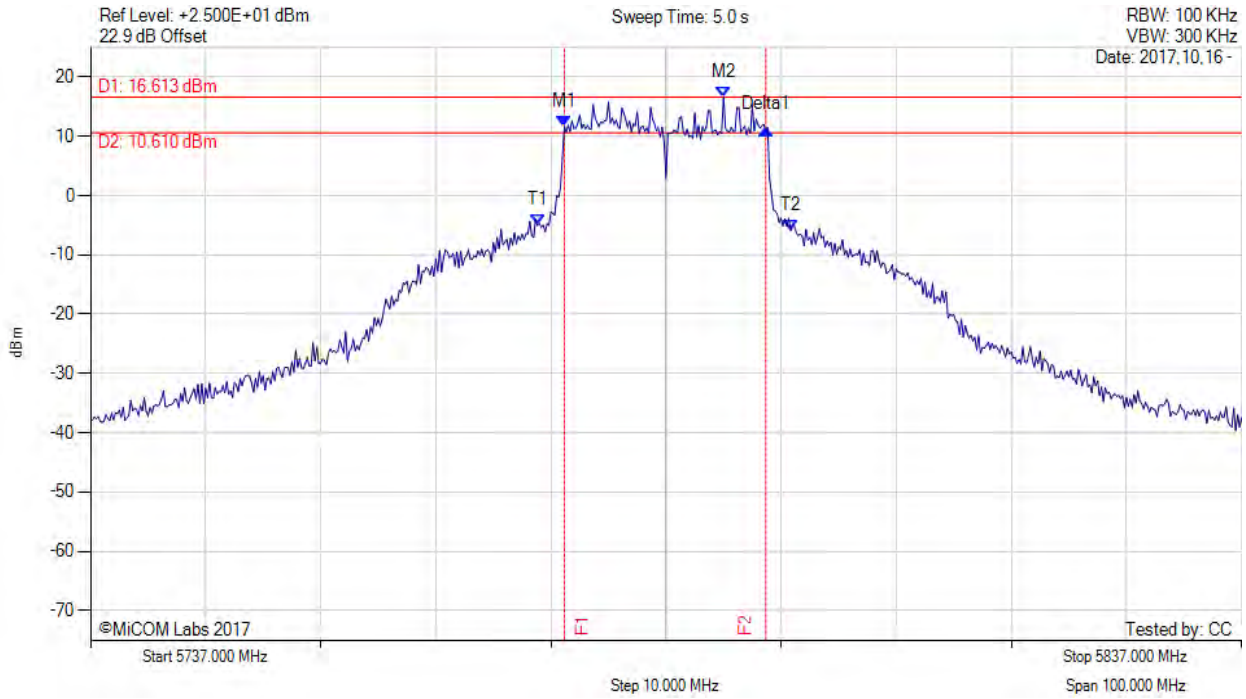



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5778.170 MHz : 10.576 dBm<br>M2 : 5782.000 MHz : 15.740 dBm<br>Delta1 : 17.500 MHz : -0.088 dB<br>T1 : 5775.000 MHz : -5.647 dBm<br>T2 : 5799.500 MHz : -5.271 dBm<br>OBW : 24.612 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 24.612 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

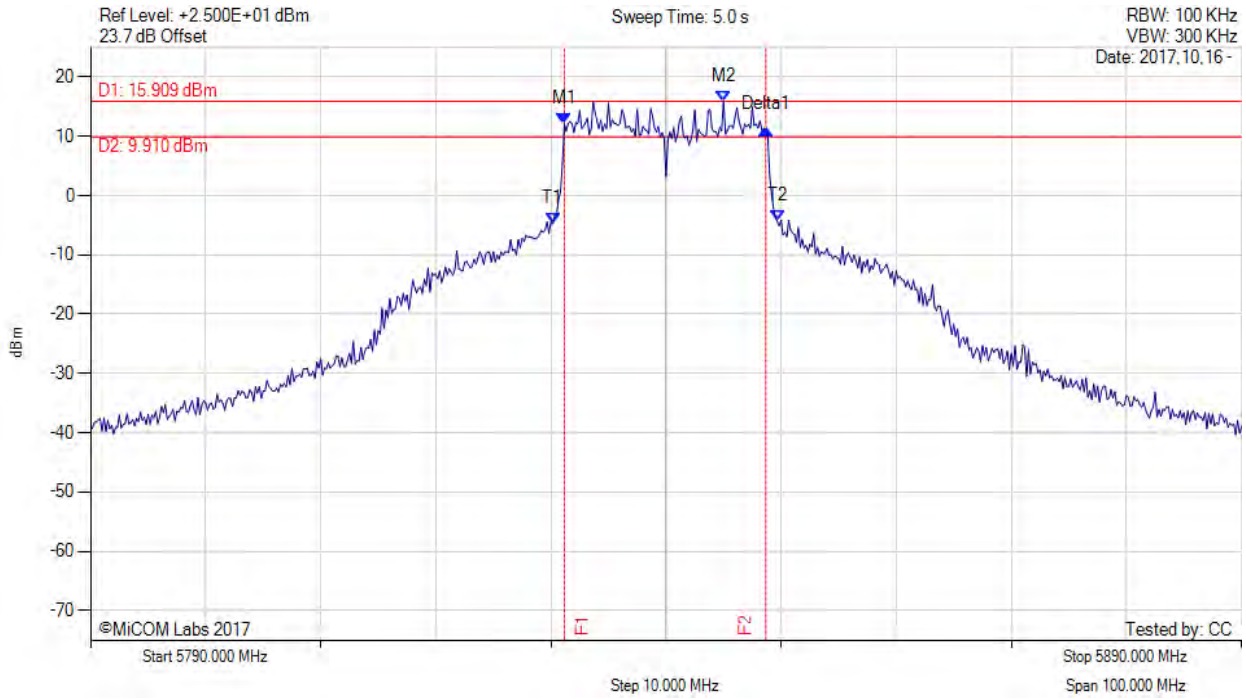



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5778.170 MHz : 11.676 dBm<br>M2 : 5792.000 MHz : 16.613 dBm<br>Delta1 : 17.500 MHz : -0.574 dB<br>T1 : 5775.833 MHz : -5.014 dBm<br>T2 : 5797.833 MHz : -5.926 dBm<br>OBW : 21.940 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 21.940 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5840.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

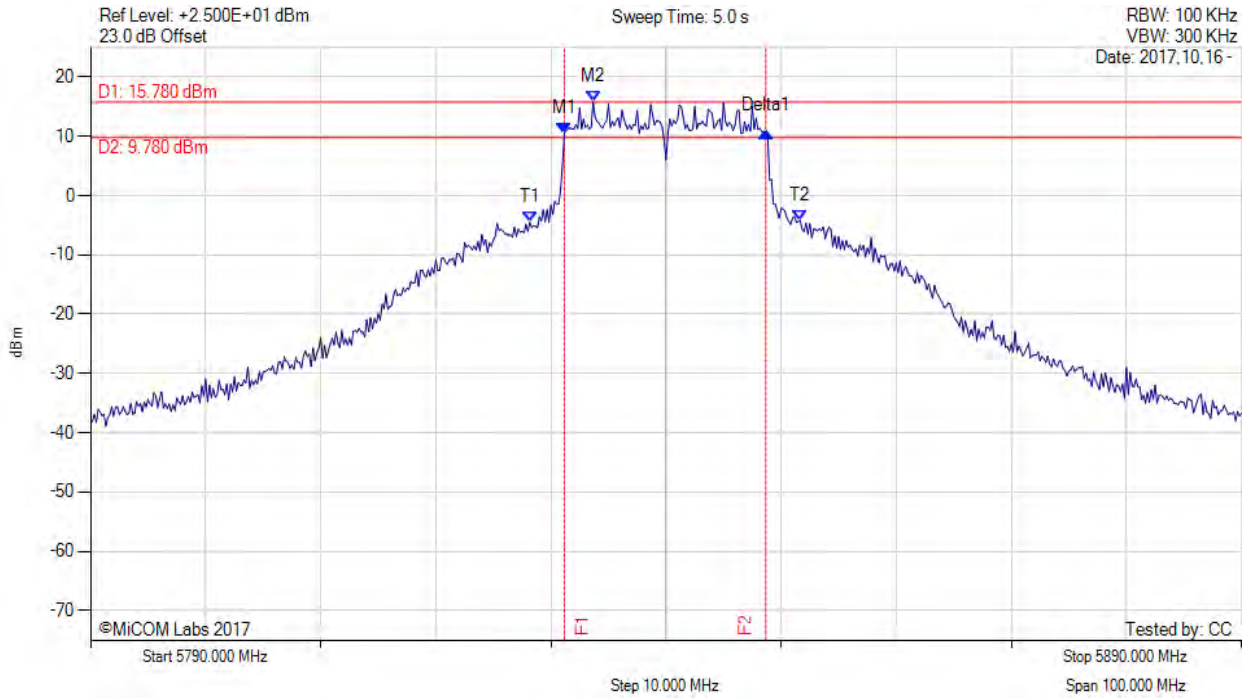



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5831.170 MHz : 12.075 dBm<br>M2 : 5845.000 MHz : 15.909 dBm<br>Delta1 : 17.500 MHz : -0.992 dB<br>T1 : 5830.167 MHz : -4.767 dBm<br>T2 : 5849.667 MHz : -4.330 dBm<br>OBW : 19.488 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 19.488 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5840.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

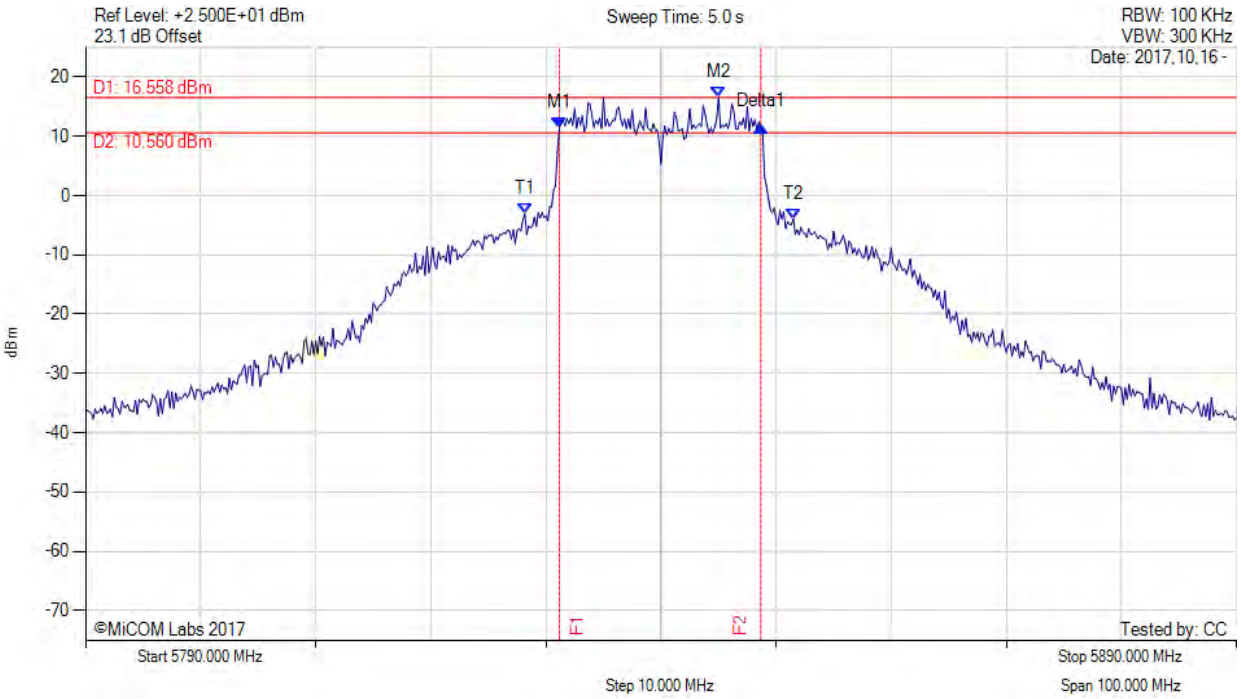



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5831.170 MHz : 10.534 dBm<br>M2 : 5833.670 MHz : 15.780 dBm<br>Delta1 : 17.500 MHz : 0.286 dB<br>T1 : 5828.167 MHz : -4.488 dBm<br>T2 : 5851.667 MHz : -4.206 dBm<br>OBW : 23.482 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 23.482 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5840.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

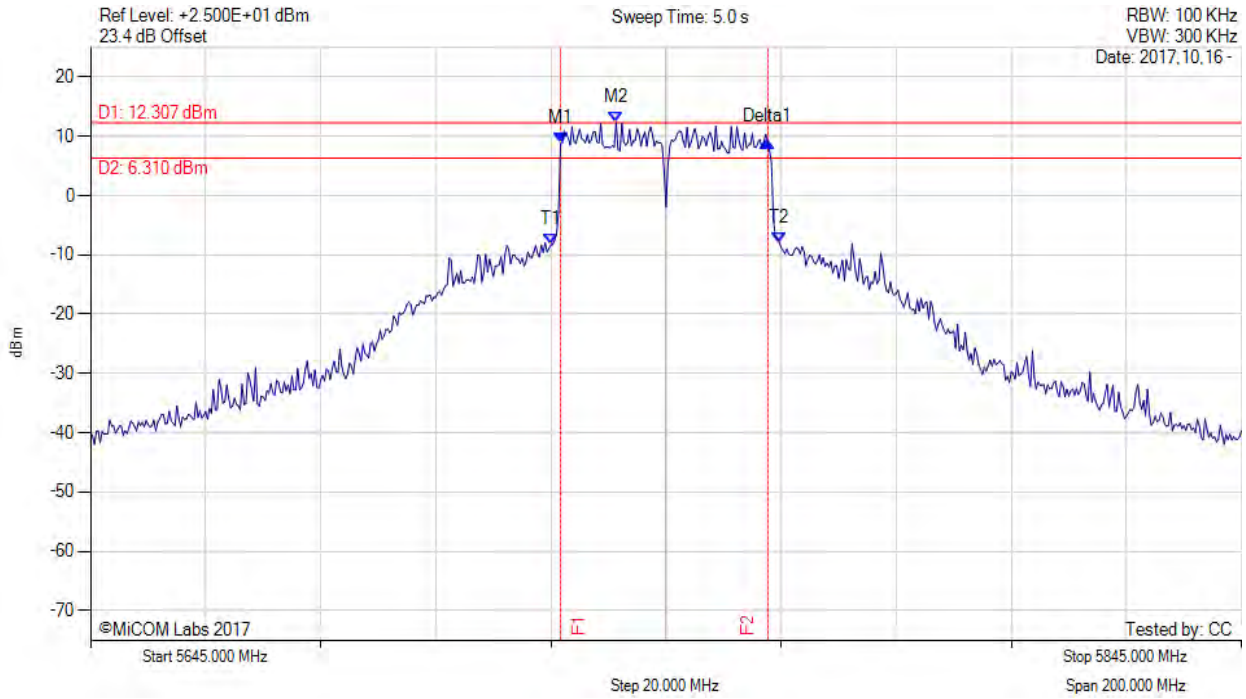



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5831.170 MHz : 11.409 dBm<br>M2 : 5845.000 MHz : 16.558 dBm<br>Delta1 : 17.500 MHz : 0.301 dB<br>T1 : 5828.167 MHz : -3.072 dBm<br>T2 : 5851.500 MHz : -3.920 dBm<br>OBW : 23.375 MHz | Measured 6 dB Bandwidth: 17.500 MHz<br>Measured 99% Bandwidth: 23.375 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

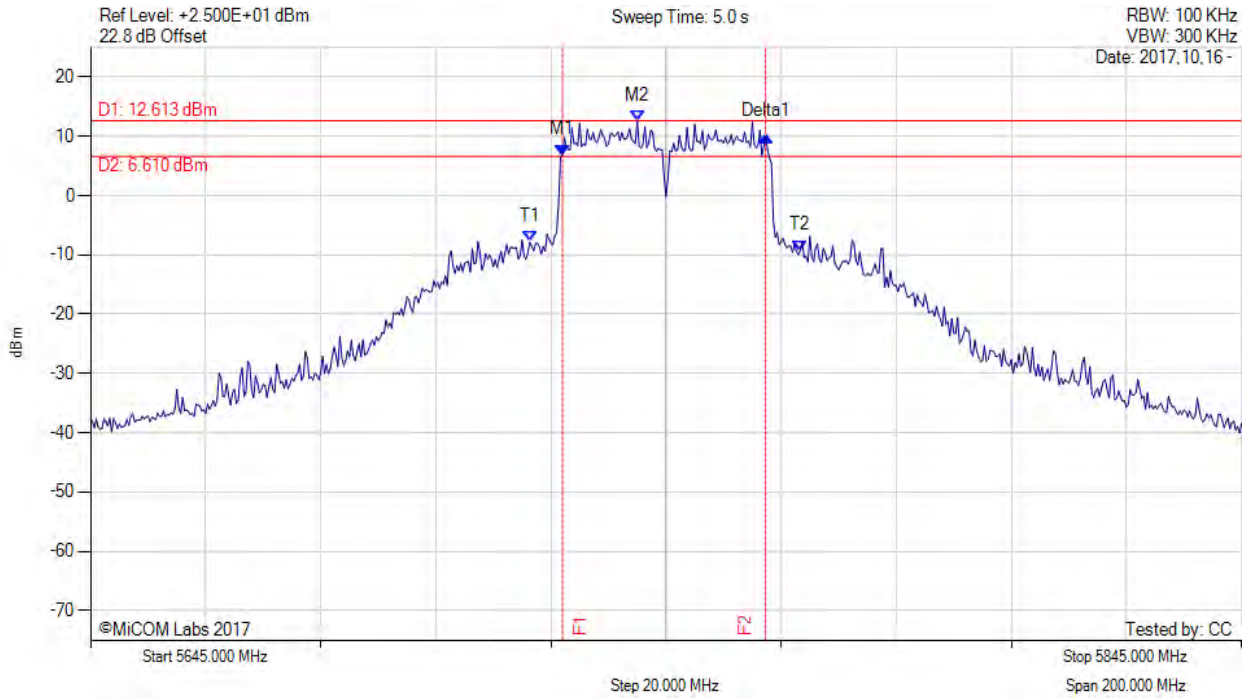



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5726.700 MHz : 8.759 dBm<br>M2 : 5736.300 MHz : 12.307 dBm<br>Delta1 : 36.000 MHz : 0.310 dB<br>T1 : 5725.000 MHz : -8.268 dBm<br>T2 : 5764.667 MHz : -7.884 dBm<br>OBW : 39.586 MHz | Measured 6 dB Bandwidth: 36.000 MHz<br>Measured 99% Bandwidth: 39.586 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

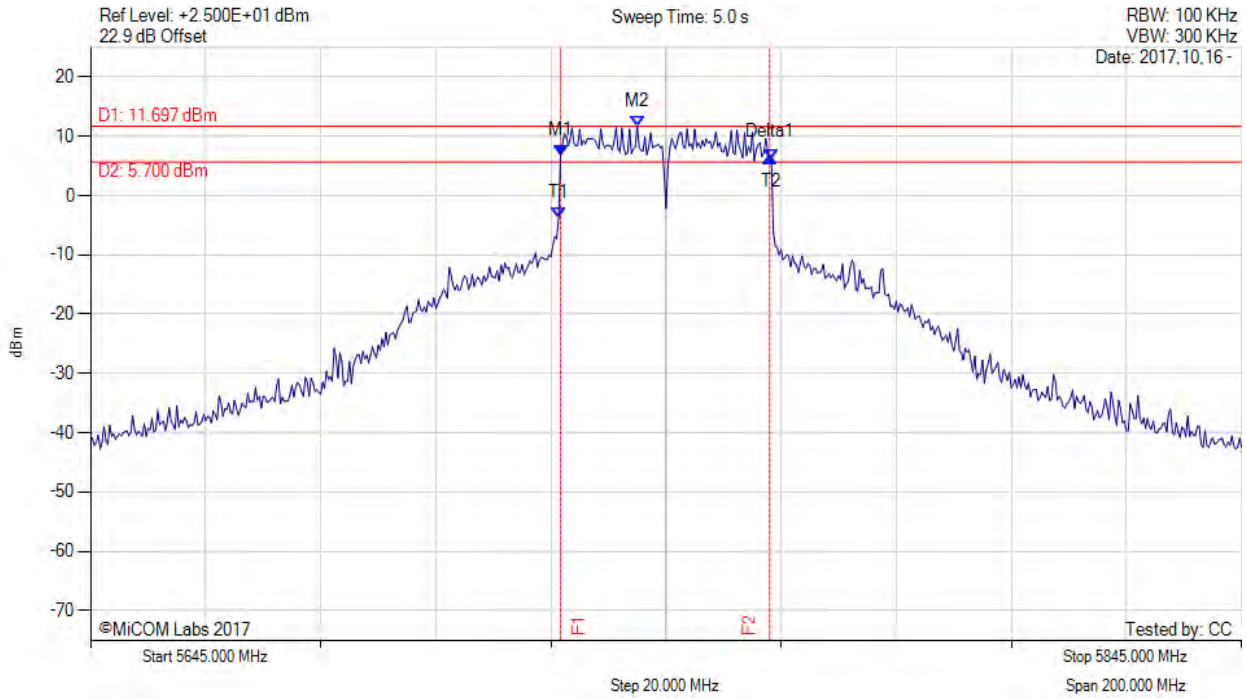



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5727.000 MHz : 6.866 dBm<br>M2 : 5740.000 MHz : 12.613 dBm<br>Delta1 : 35.300 MHz : 3.247 dB<br>T1 : 5721.333 MHz : -7.840 dBm<br>T2 : 5768.333 MHz : -9.269 dBm<br>OBW : 47.090 MHz | Measured 6 dB Bandwidth: 35.300 MHz<br>Measured 99% Bandwidth: 47.090 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5745.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

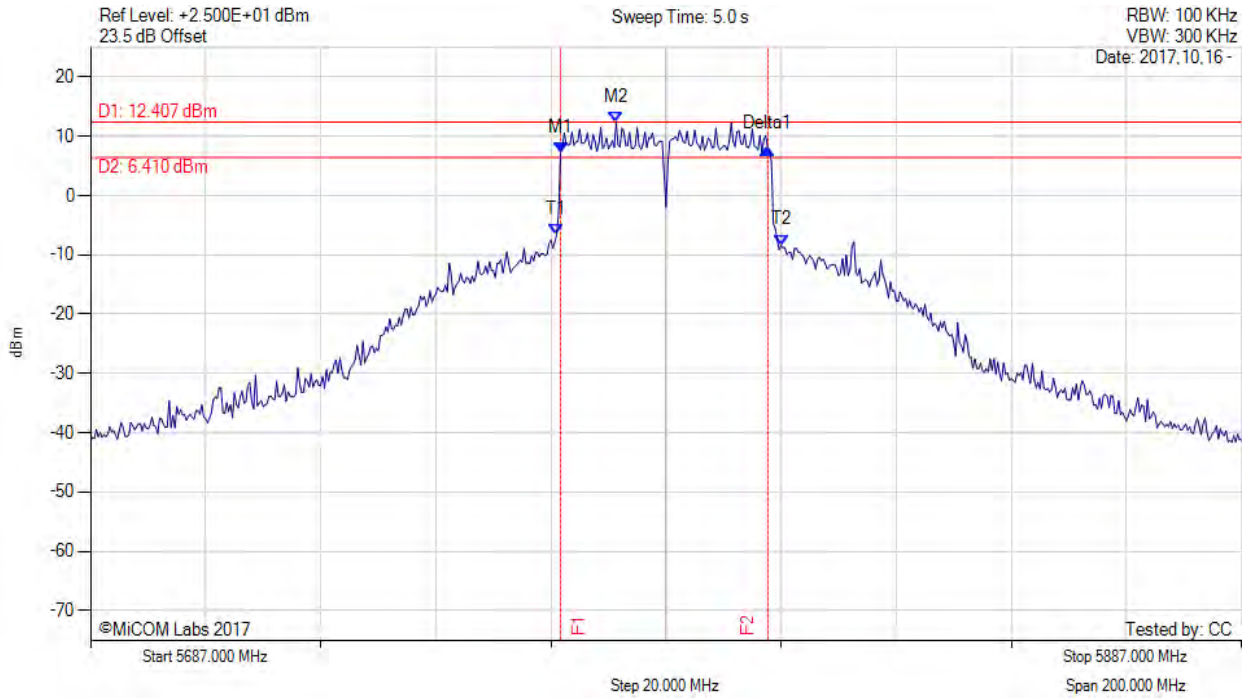



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5726.700 MHz : 6.706 dBm<br>M2 : 5740.000 MHz : 11.697 dBm<br>Delta1 : 36.300 MHz : -0.199 dB<br>T1 : 5726.333 MHz : -3.855 dBm<br>T2 : 5763.333 MHz : 5.940 dBm<br>OBW : 37.004 MHz | Measured 6 dB Bandwidth: 36.300 MHz<br>Measured 99% Bandwidth: 37.004 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

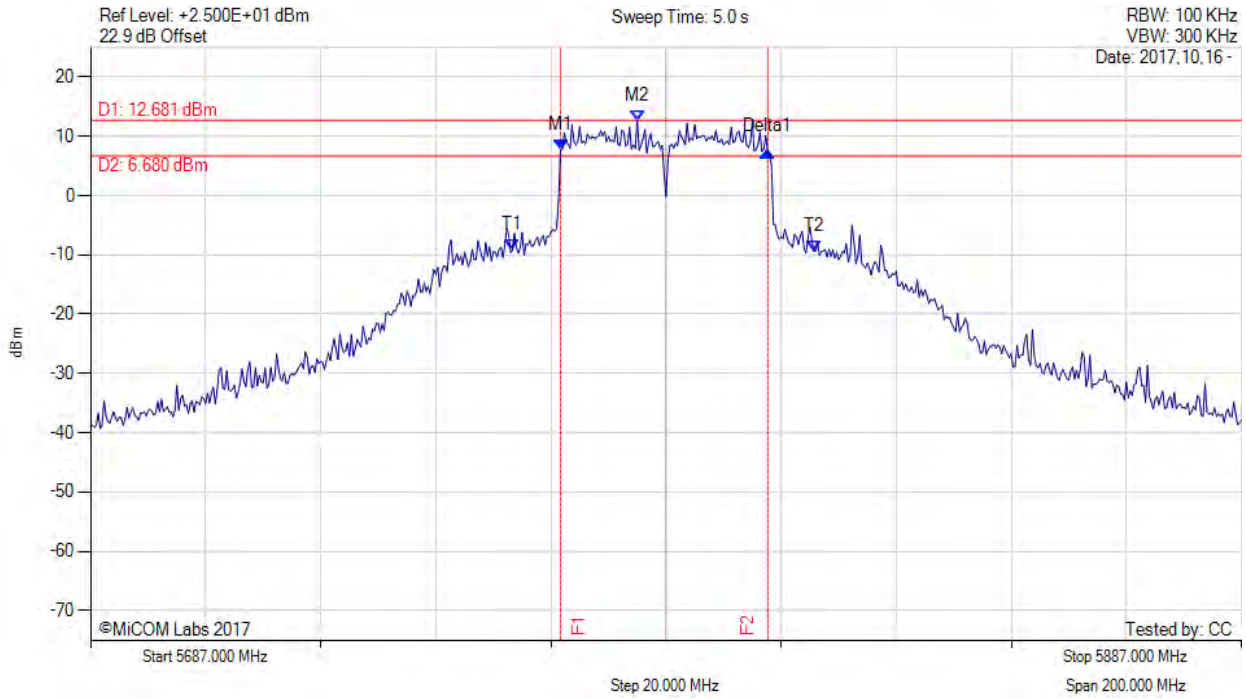



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5768.700 MHz : 7.272 dBm<br>M2 : 5778.300 MHz : 12.407 dBm<br>Delta1 : 36.000 MHz : 0.669 dB<br>T1 : 5768.000 MHz : -6.512 dBm<br>T2 : 5807.000 MHz : -8.339 dBm<br>OBW : 39.115 MHz | Measured 6 dB Bandwidth: 36.000 MHz<br>Measured 99% Bandwidth: 39.115 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

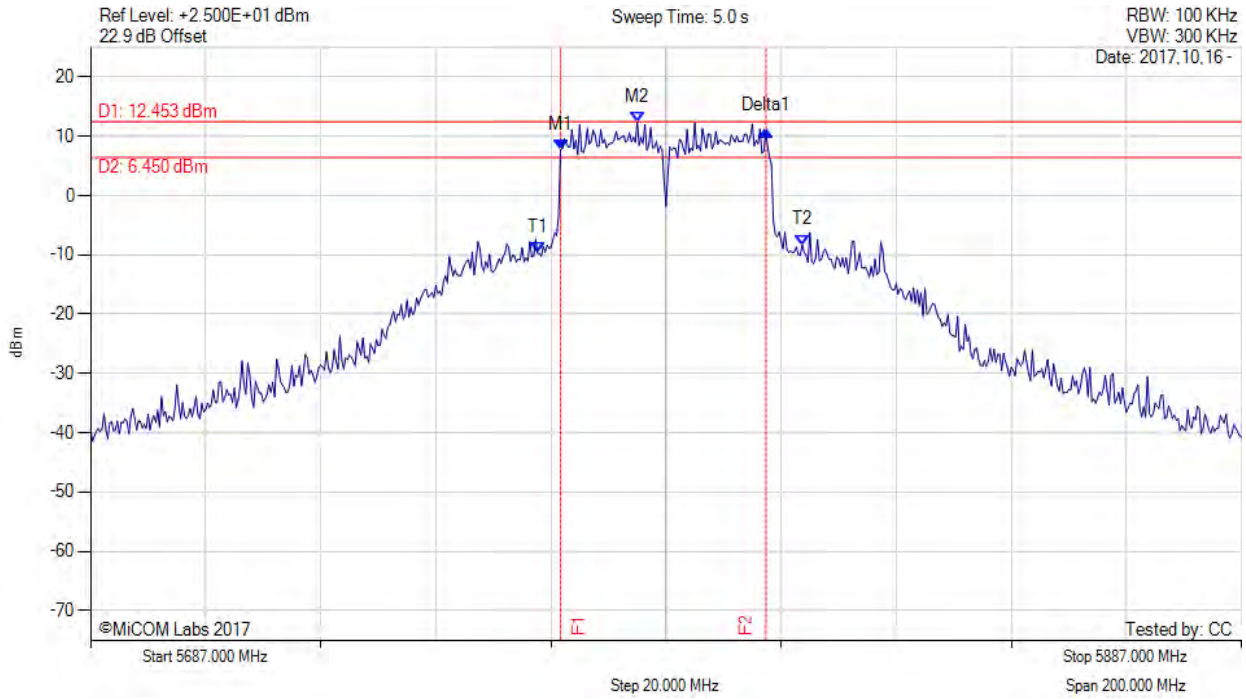



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5768.700 MHz : 7.743 dBm<br>M2 : 5782.000 MHz : 12.681 dBm<br>Delta1 : 36.000 MHz : -0.325 dB<br>T1 : 5760.333 MHz : -9.130 dBm<br>T2 : 5812.667 MHz : -9.355 dBm<br>OBW : 52.372 MHz | Measured 6 dB Bandwidth: 36.000 MHz<br>Measured 99% Bandwidth: 52.372 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

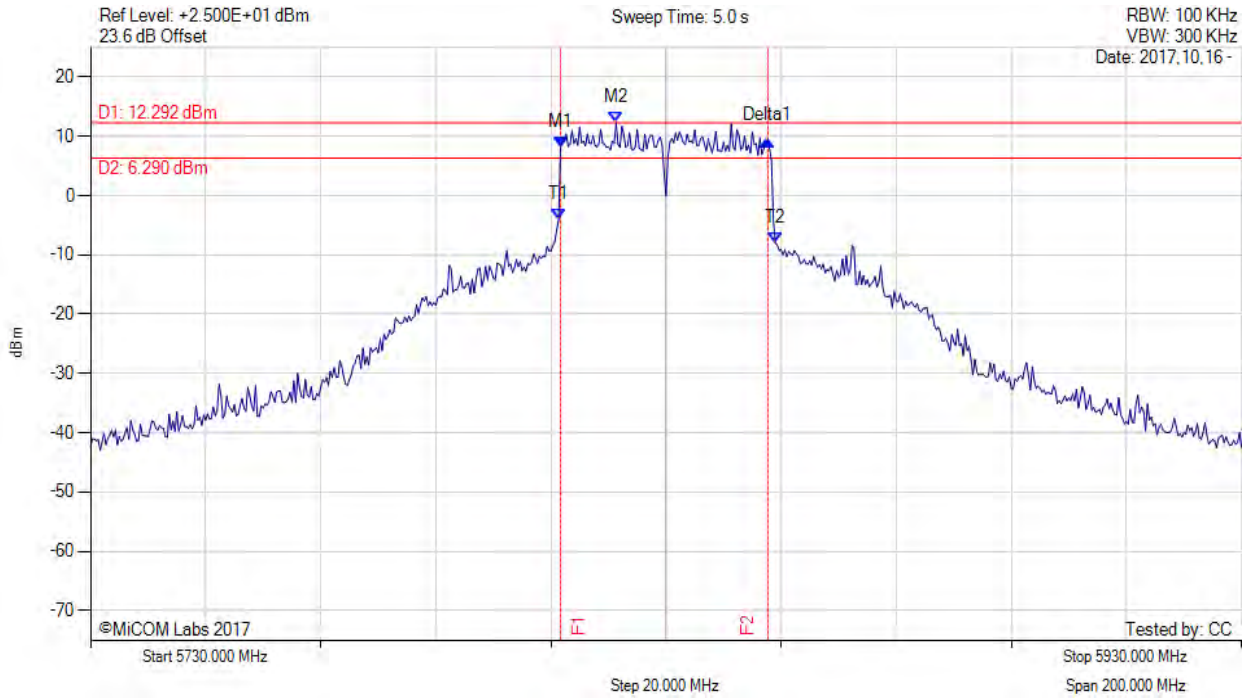



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5768.700 MHz : 7.676 dBm<br>M2 : 5782.000 MHz : 12.453 dBm<br>Delta1 : 35.700 MHz : 3.171 dB<br>T1 : 5764.667 MHz : -9.699 dBm<br>T2 : 5810.667 MHz : -8.346 dBm<br>OBW : 46.064 MHz | Measured 6 dB Bandwidth: 35.700 MHz<br>Measured 99% Bandwidth: 46.064 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5830.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

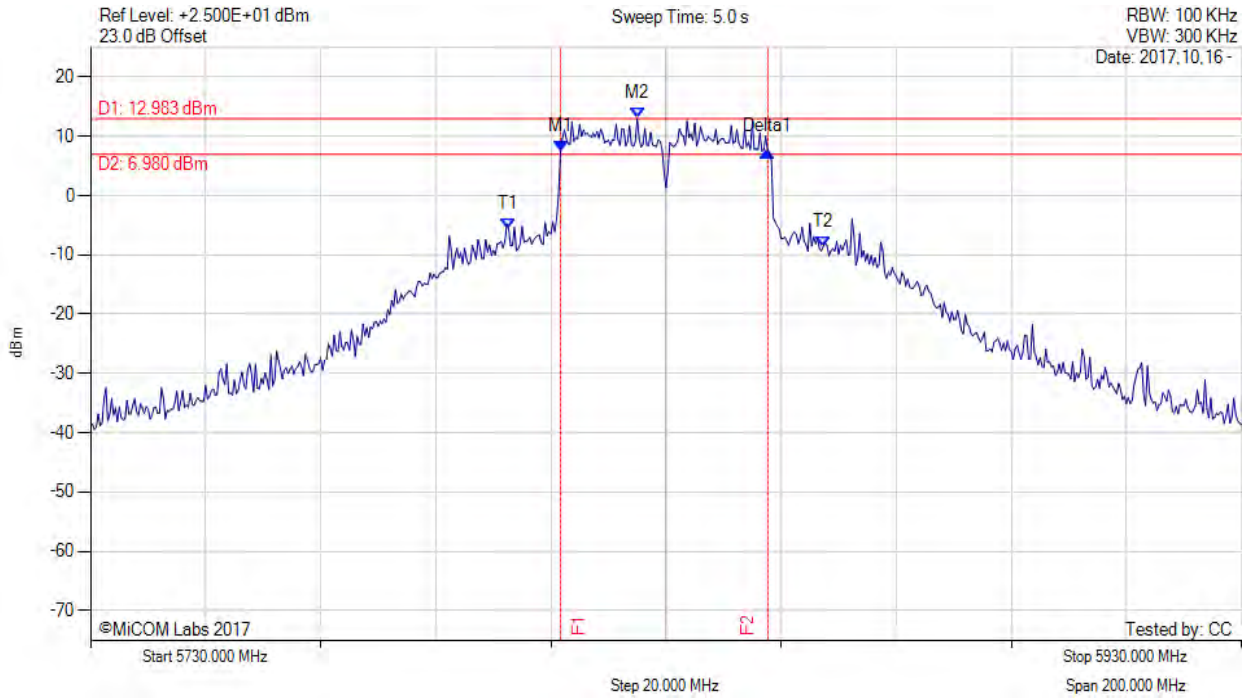



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5811.700 MHz : 8.057 dBm<br>M2 : 5821.300 MHz : 12.292 dBm<br>Delta1 : 36.000 MHz : 1.253 dB<br>T1 : 5811.333 MHz : -4.075 dBm<br>T2 : 5849.000 MHz : -8.022 dBm<br>OBW : 37.571 MHz | Measured 6 dB Bandwidth: 36.000 MHz<br>Measured 99% Bandwidth: 37.571 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5830.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

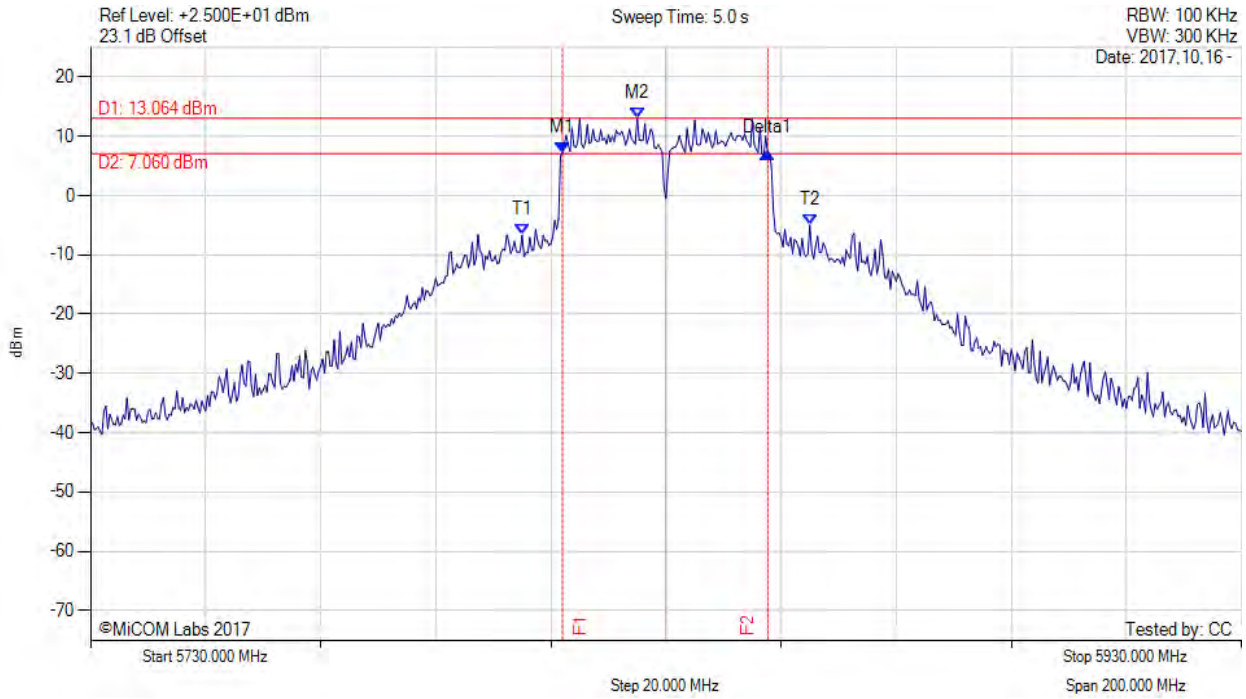



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5811.700 MHz : 7.469 dBm<br>M2 : 5825.000 MHz : 12.983 dBm<br>Delta1 : 36.000 MHz : 0.074 dB<br>T1 : 5802.667 MHz : -5.646 dBm<br>T2 : 5857.333 MHz : -8.585 dBm<br>OBW : 54.897 MHz | Measured 6 dB Bandwidth: 36.000 MHz<br>Measured 99% Bandwidth: 54.897 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5830.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

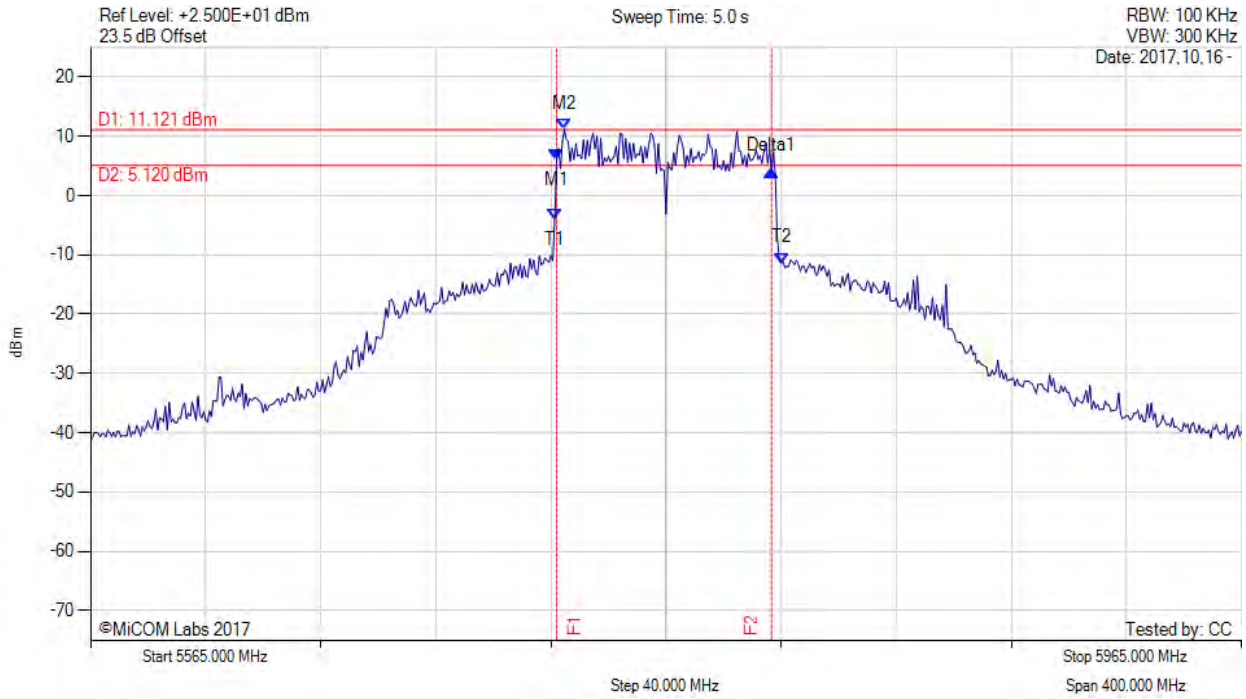



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5812.000 MHz : 7.305 dBm<br>M2 : 5825.000 MHz : 13.064 dBm<br>Delta1 : 35.700 MHz : -0.077 dB<br>T1 : 5805.000 MHz : -6.674 dBm<br>T2 : 5855.000 MHz : -4.971 dBm<br>OBW : 49.927 MHz | Measured 6 dB Bandwidth: 35.700 MHz<br>Measured 99% Bandwidth: 49.927 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5765.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

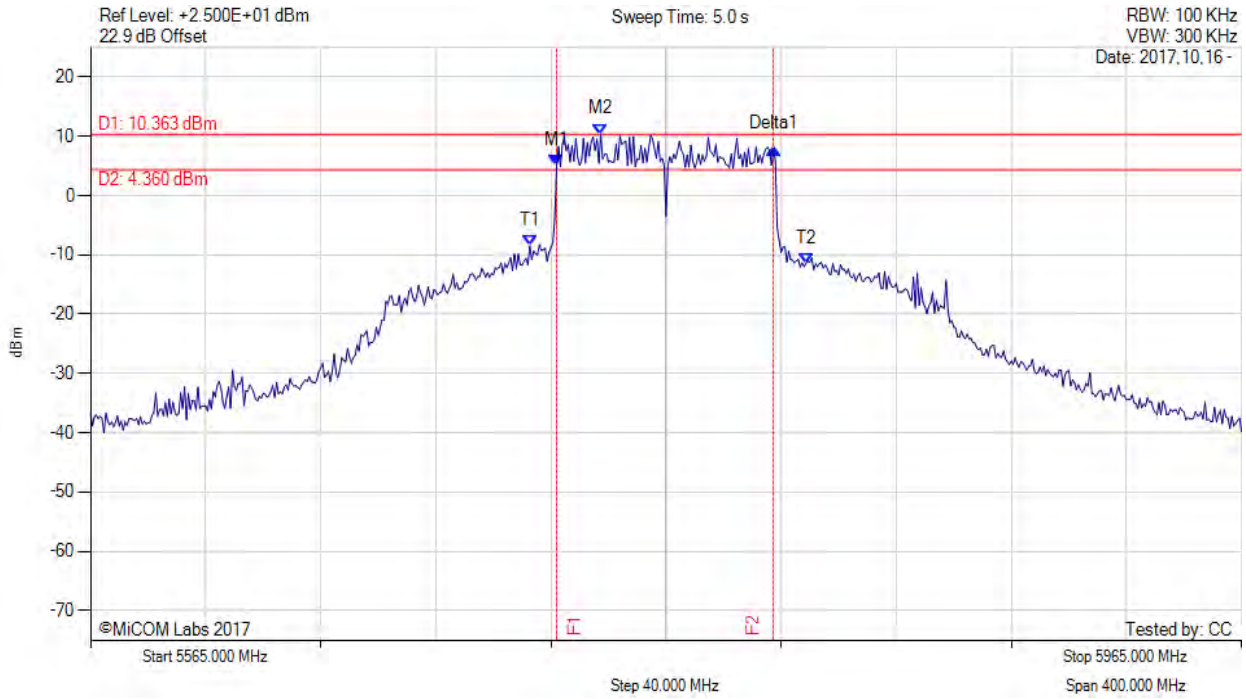



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5727.000 MHz : 6.102 dBm<br>M2 : 5729.700 MHz : 11.121 dBm<br>Delta1 : 74.700 MHz : -1.984 dB<br>T1 : 5726.333 MHz : -3.902 dBm<br>T2 : 5805.000 MHz : -11.368 dBm<br>OBW : 78.878 MHz | Measured 6 dB Bandwidth: 74.700 MHz<br>Measured 99% Bandwidth: 78.878 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5765.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

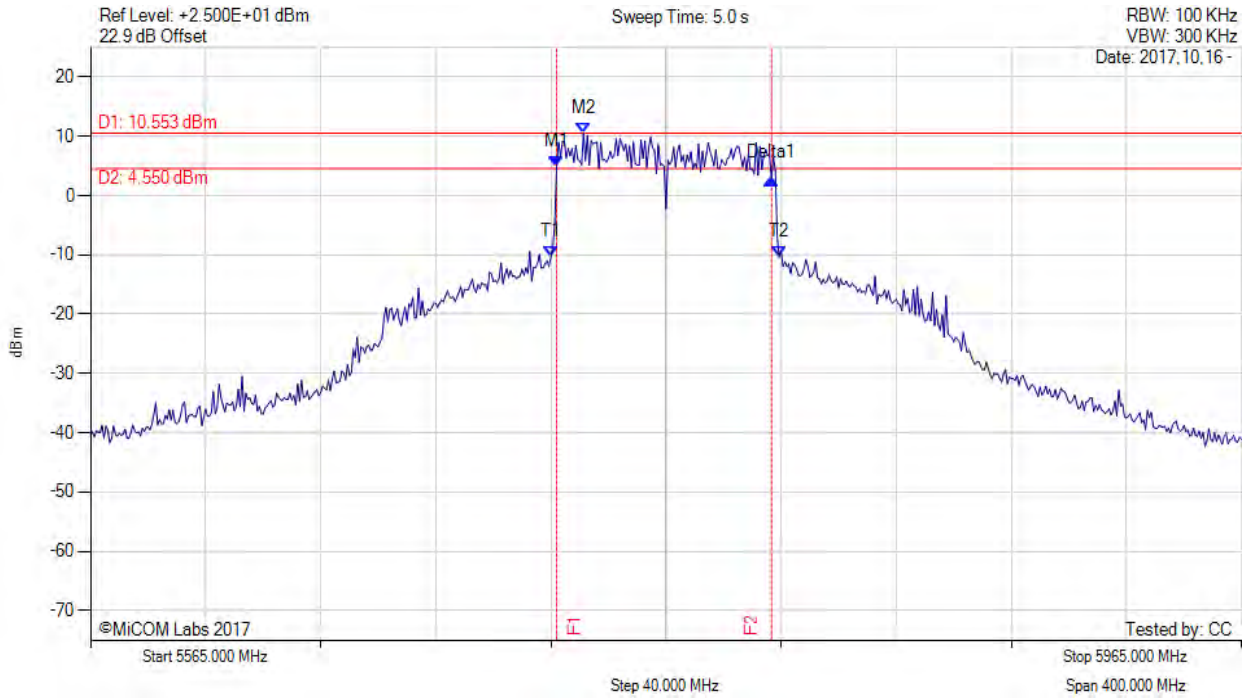



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5727.000 MHz : 5.094 dBm<br>M2 : 5742.300 MHz : 10.363 dBm<br>Delta1 : 75.300 MHz : 2.765 dB<br>T1 : 5717.667 MHz : -8.490 dBm<br>T2 : 5813.667 MHz : -11.432 dBm<br>OBW : 96.190 MHz | Measured 6 dB Bandwidth: 75.300 MHz<br>Measured 99% Bandwidth: 96.190 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5765.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

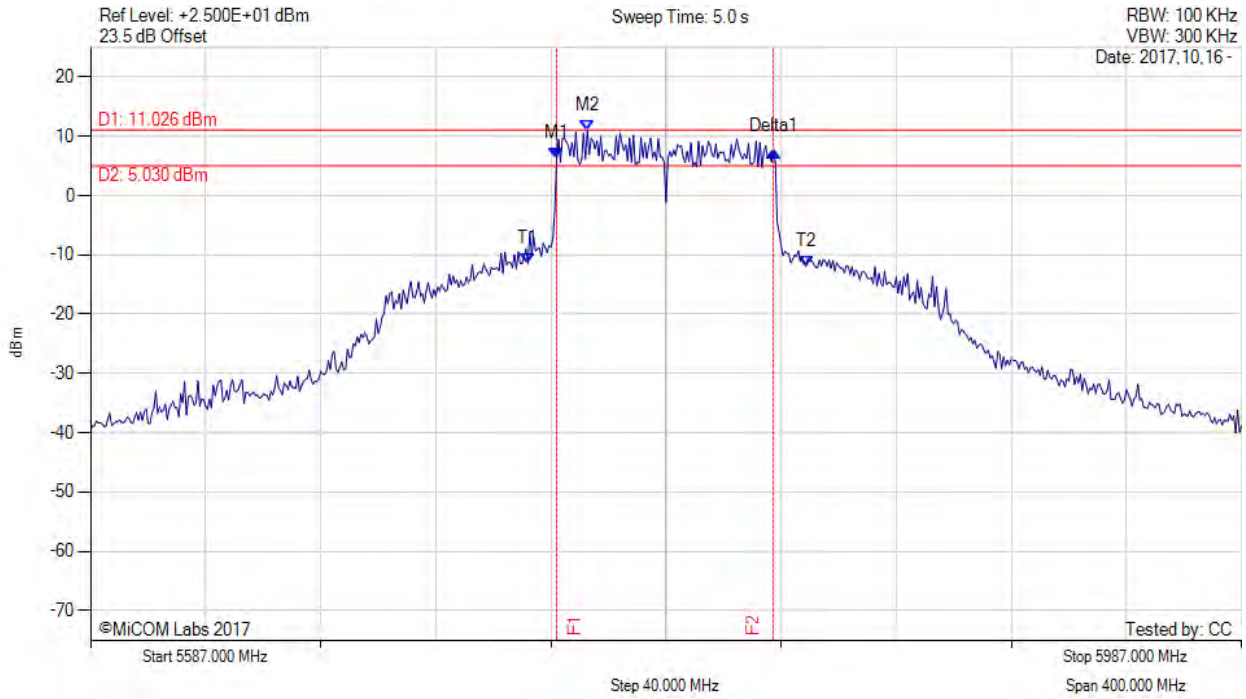



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5727.000 MHz : 4.886 dBm<br>M2 : 5736.300 MHz : 10.553 dBm<br>Delta1 : 74.700 MHz : -1.992 dB<br>T1 : 5725.000 MHz : -10.299 dBm<br>T2 : 5804.333 MHz : -10.403 dBm<br>OBW : 79.207 MHz | Measured 6 dB Bandwidth: 74.700 MHz<br>Measured 99% Bandwidth: 79.207 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

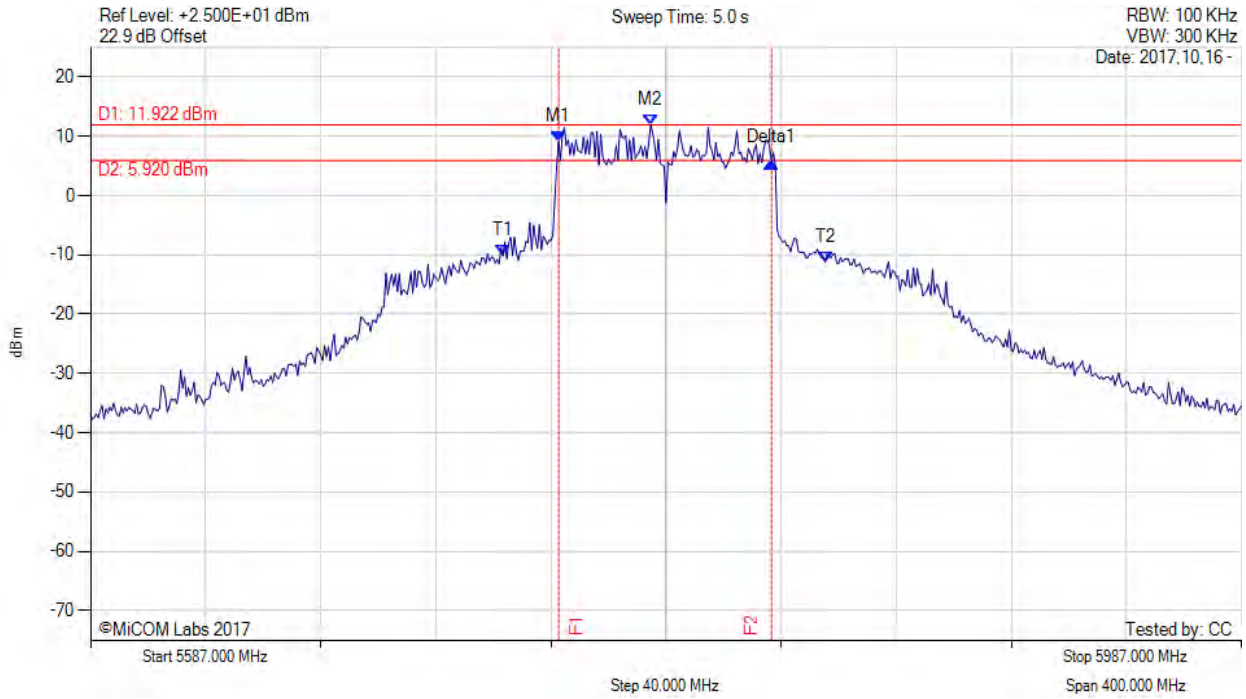



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5749.000 MHz : 6.278 dBm<br>M2 : 5759.700 MHz : 11.026 dBm<br>Delta1 : 75.300 MHz : 1.118 dB<br>T1 : 5739.000 MHz : -11.413 dBm<br>T2 : 5835.667 MHz : -11.879 dBm<br>OBW : 96.745 MHz | Measured 6 dB Bandwidth: 75.300 MHz<br>Measured 99% Bandwidth: 96.745 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

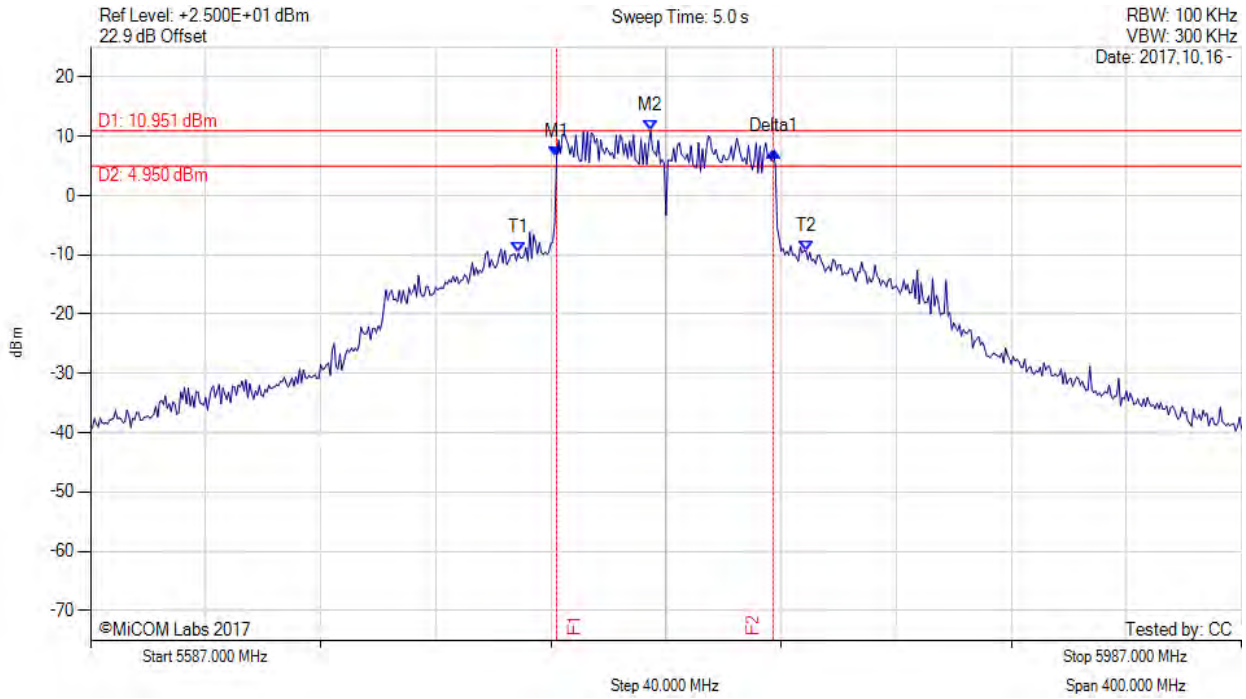



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5749.700 MHz : 9.132 dBm<br>M2 : 5781.700 MHz : 11.922 dBm<br>Delta1 : 74.000 MHz : -3.621 dB<br>T1 : 5730.333 MHz : -10.147 dBm<br>T2 : 5842.333 MHz : -11.161 dBm<br>OBW : 112.681 MHz | Measured 6 dB Bandwidth: 74.000 MHz<br>Measured 99% Bandwidth: 112.681 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

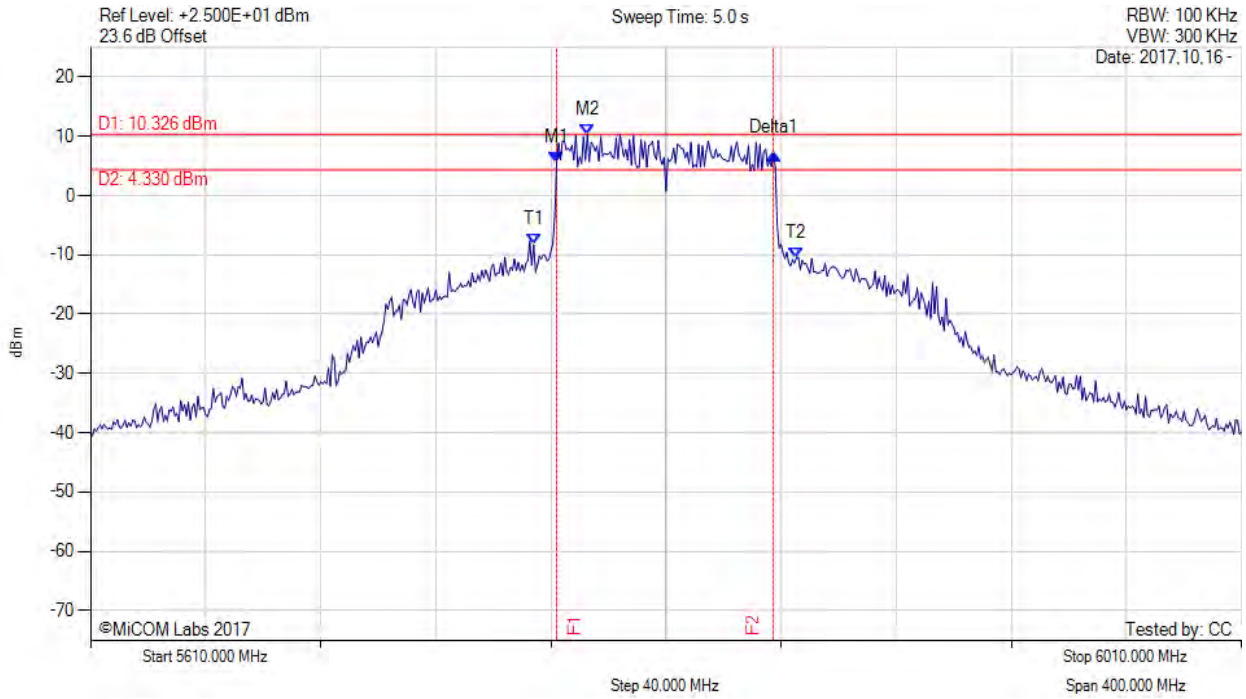



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5749.000 MHz : 6.447 dBm<br>M2 : 5781.700 MHz : 10.951 dBm<br>Delta1 : 75.300 MHz : 0.973 dB<br>T1 : 5735.667 MHz : -9.677 dBm<br>T2 : 5835.667 MHz : -9.373 dBm<br>OBW : 100.555 MHz | Measured 6 dB Bandwidth: 75.300 MHz<br>Measured 99% Bandwidth: 100.555 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5810.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

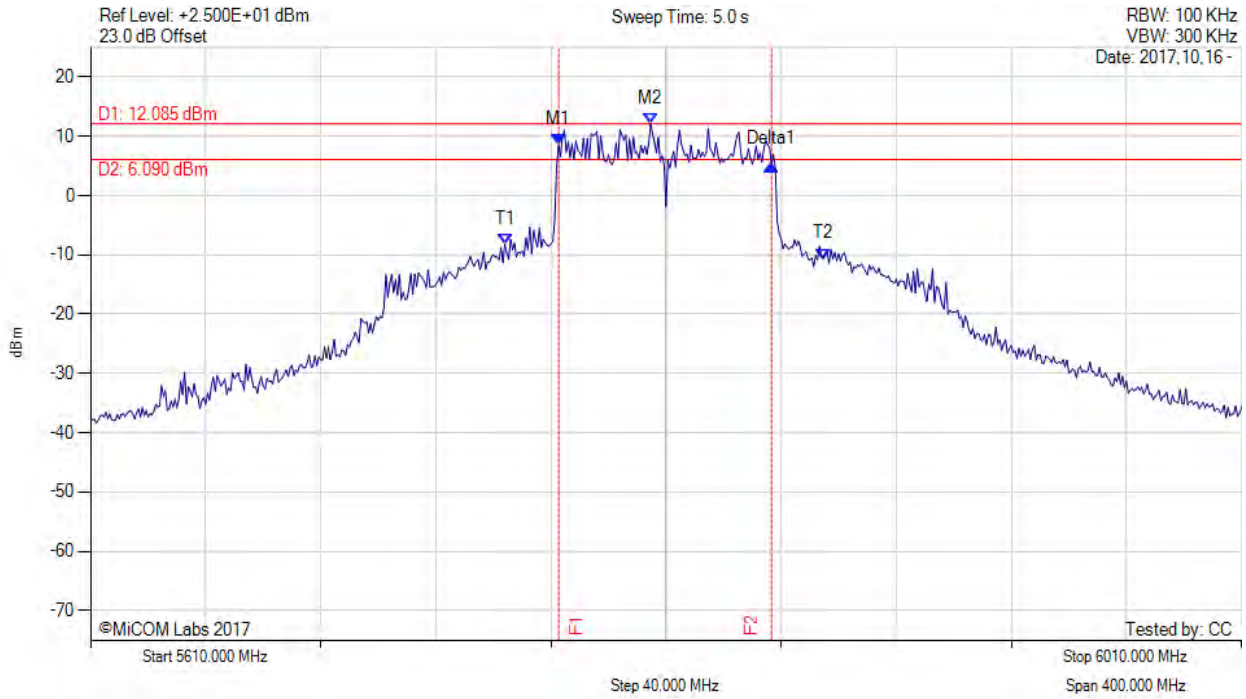



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5772.000 MHz : 5.547 dBm<br>M2 : 5782.700 MHz : 10.326 dBm<br>Delta1 : 75.300 MHz : 1.559 dB<br>T1 : 5764.000 MHz : -8.274 dBm<br>T2 : 5855.333 MHz : -10.475 dBm<br>OBW : 91.058 MHz | Measured 6 dB Bandwidth: 75.300 MHz<br>Measured 99% Bandwidth: 91.058 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5810.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

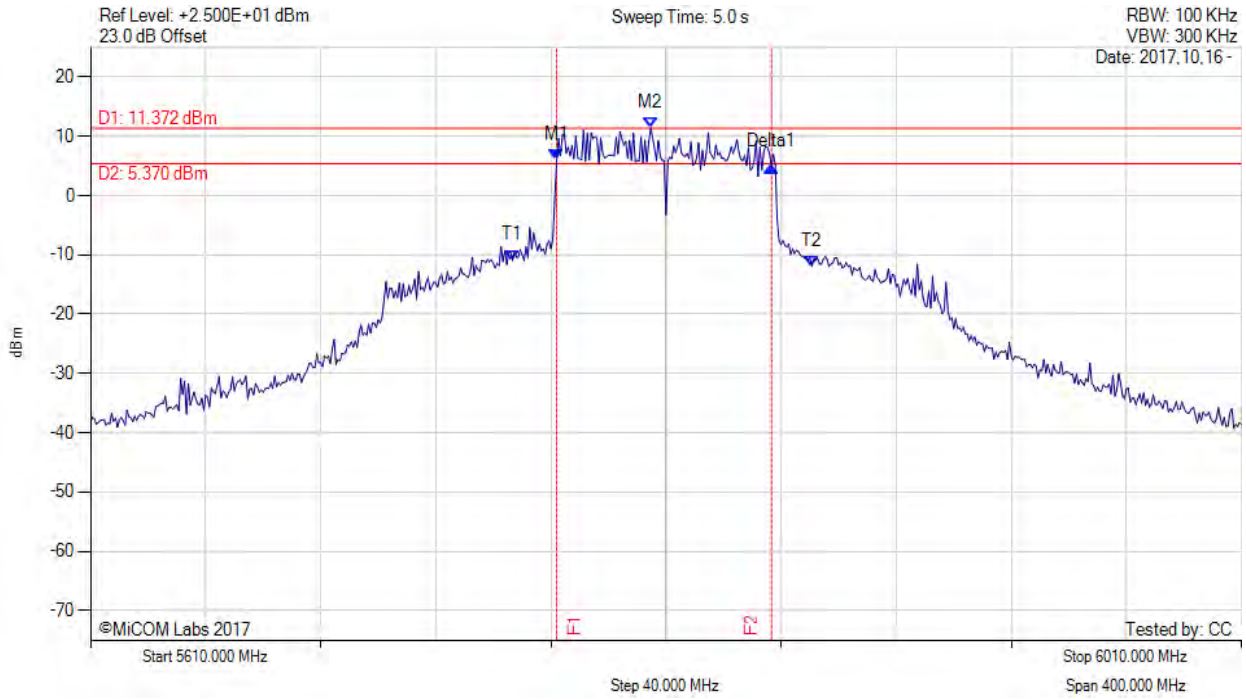



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5772.700 MHz : 8.525 dBm<br>M2 : 5804.700 MHz : 12.085 dBm<br>Delta1 : 74.000 MHz : -3.305 dB<br>T1 : 5754.000 MHz : -8.139 dBm<br>T2 : 5864.667 MHz : -10.682 dBm<br>OBW : 111.016 MHz | Measured 6 dB Bandwidth: 74.000 MHz<br>Measured 99% Bandwidth: 111.016 MHz |

back to matrix

6 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5810.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc




| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = POS<br>Sweep Count = 0<br>RF Atten (dB) = 20<br>Trace Mode = MAXH | M1 : 5772.000 MHz : 5.942 dBm<br>M2 : 5804.700 MHz : 11.372 dBm<br>Delta1 : 74.700 MHz : -1.075 dB<br>T1 : 5756.667 MHz : -10.901 dBm<br>T2 : 5860.667 MHz : -11.867 dBm<br>OBW : 104.314 MHz | Measured 6 dB Bandwidth: 74.700 MHz<br>Measured 99% Bandwidth: 104.314 MHz |

back to matrix

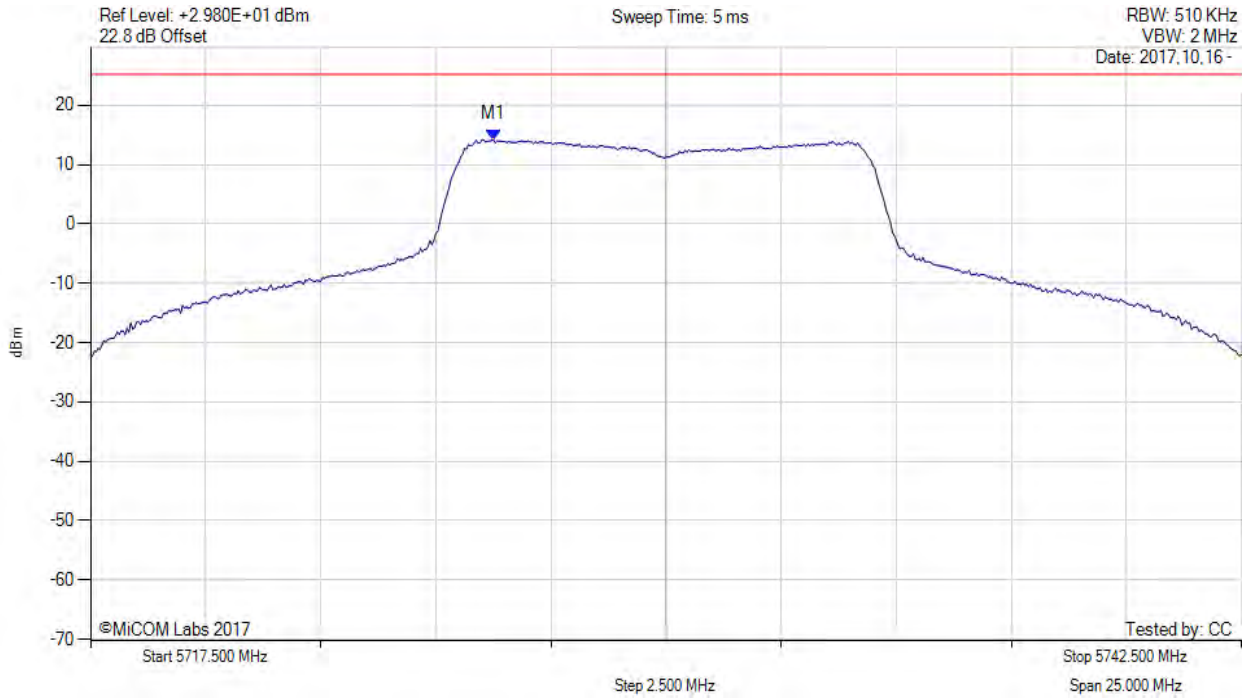
## A.2. Power Spectral Density

| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5729.170 MHz : 14.894 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5730.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

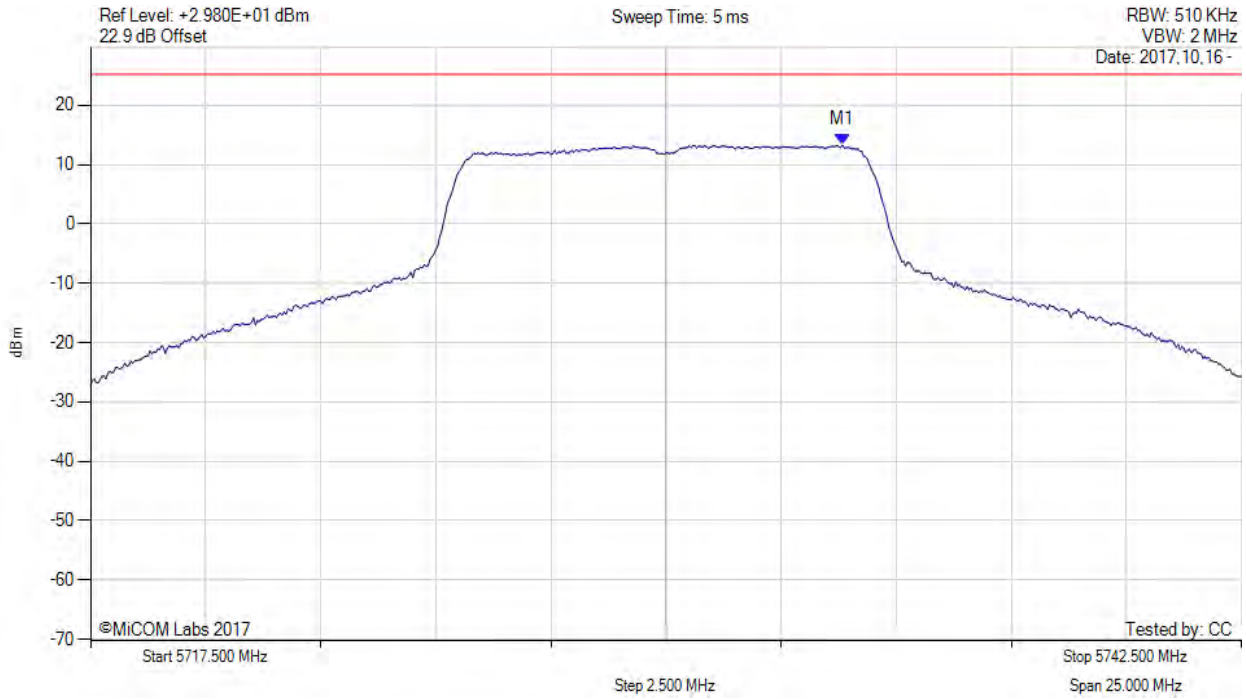



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5726.250 MHz : 14.235 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5730.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

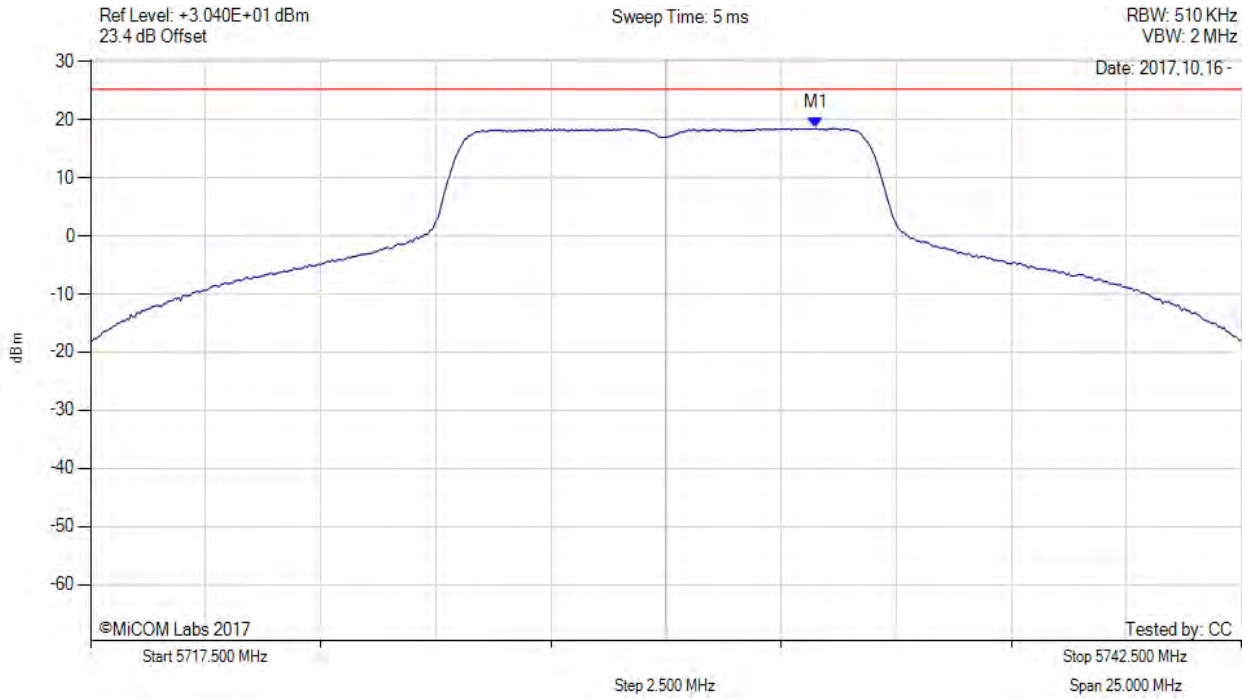



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5733.830 MHz : 13.323 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5730.00 MHz, , Temp: 20, Voltage: 55Vdc

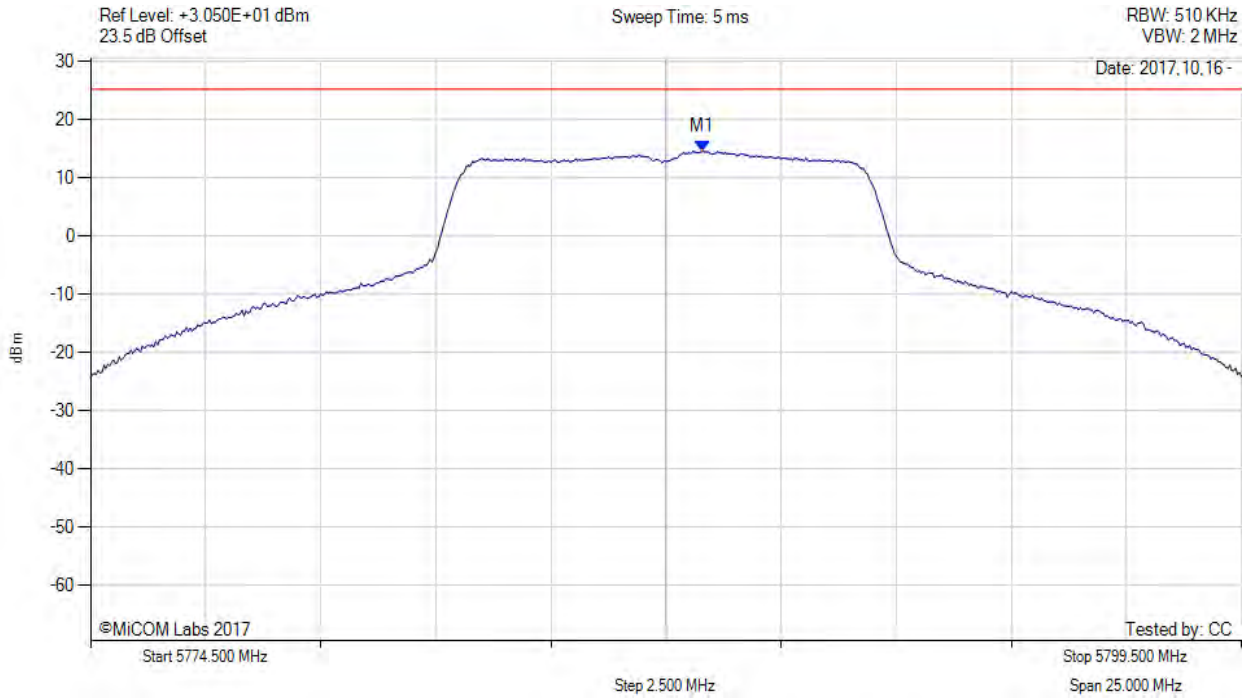



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5733.250 MHz : 18.514 dBm | Channel Frequency: 5730.00 MHz |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

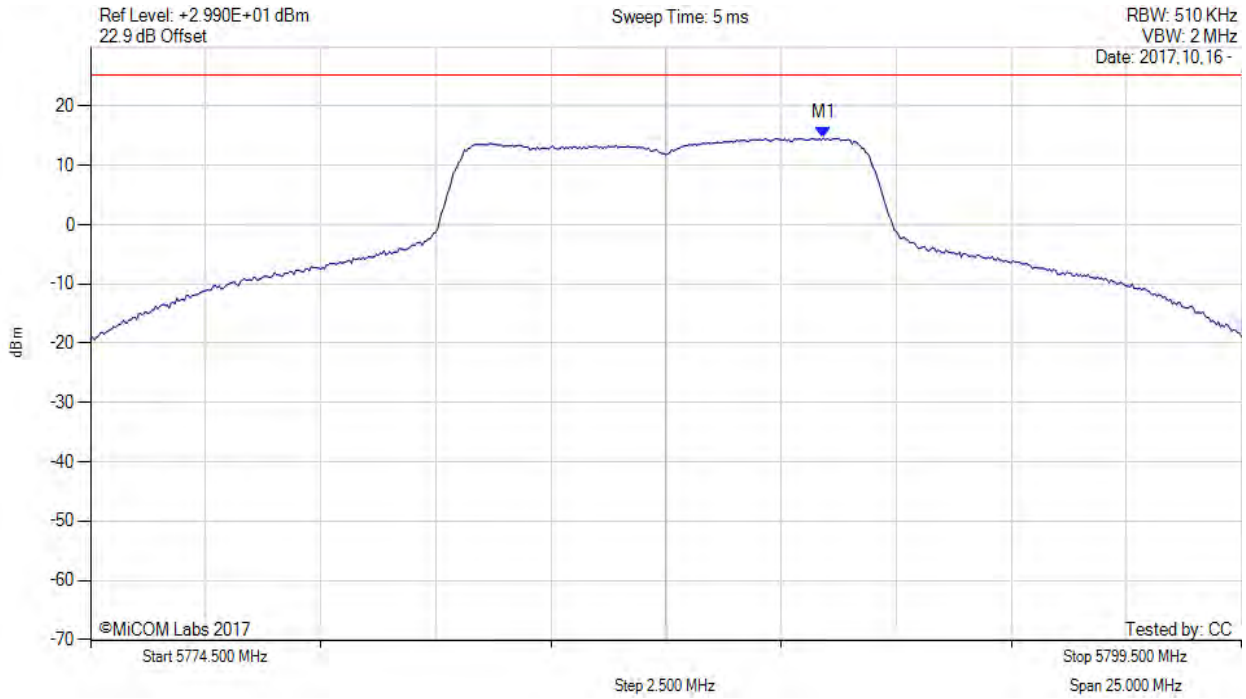



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5787.790 MHz : 14.552 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

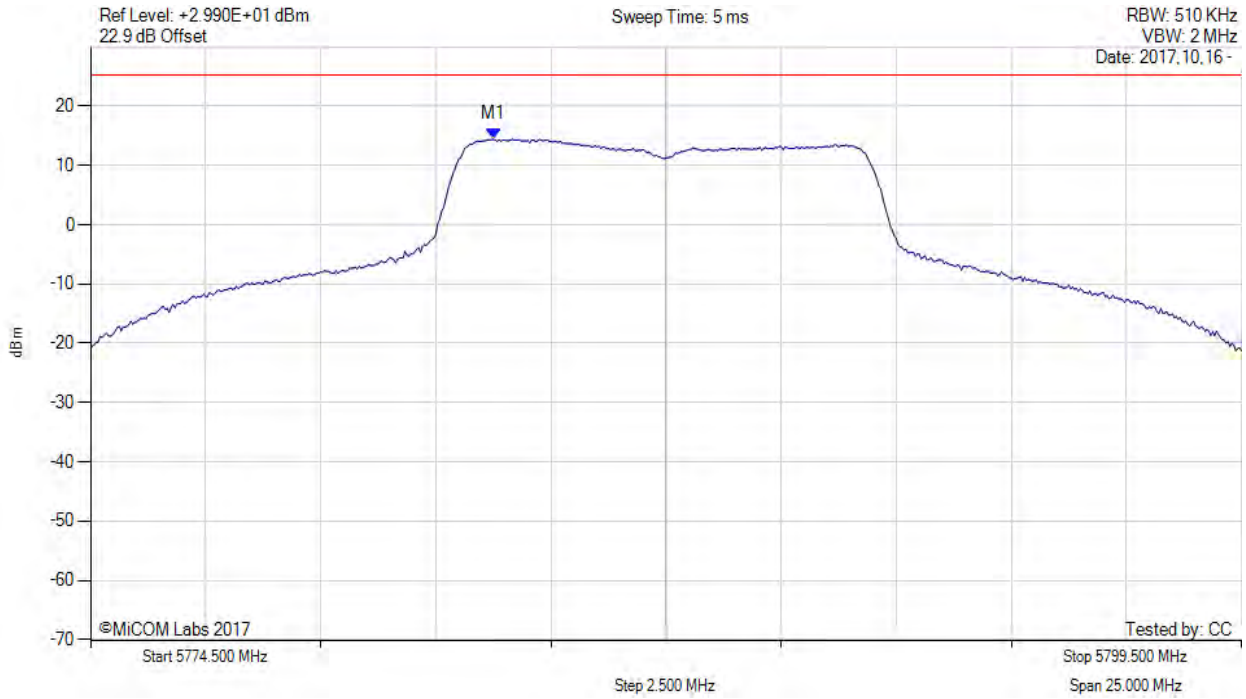



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5790.420 MHz : 14.606 dBm | Channel Frequency: 5787.00 MHz |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

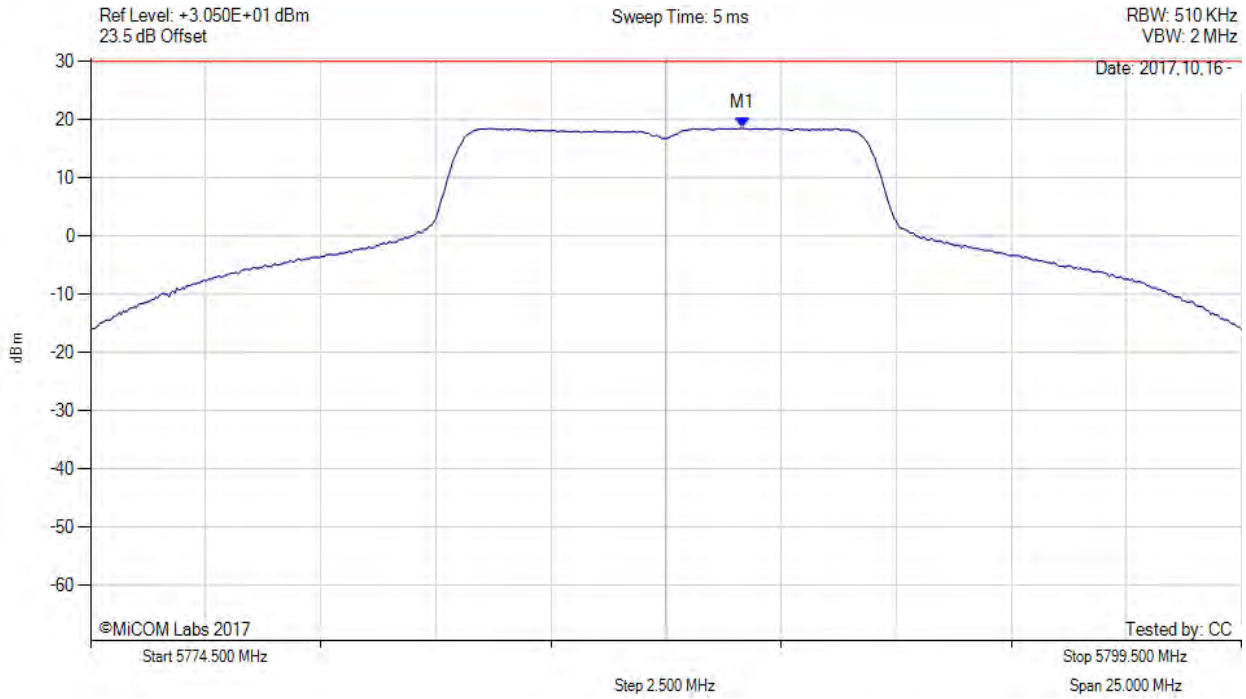



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5783.250 MHz : 14.402 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5787.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

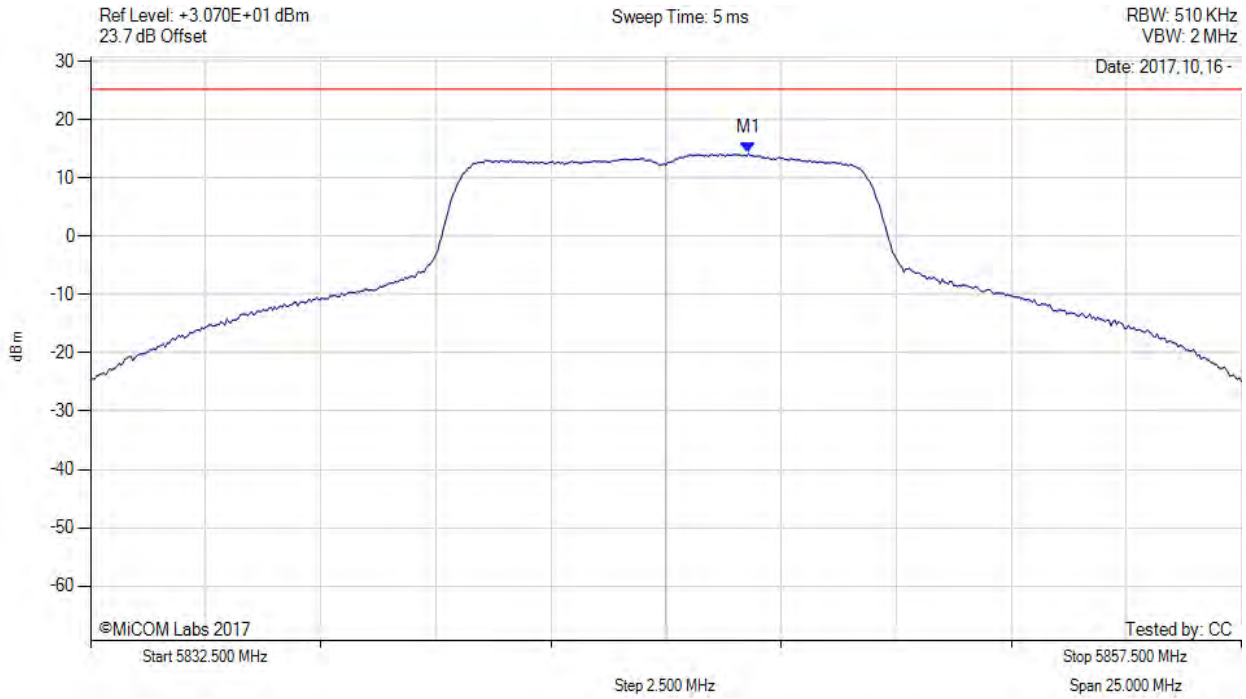



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5788.700 MHz : 18.523 dBm<br>M1 + DCCF : 5788.700 MHz : 18.523 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -11.4 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

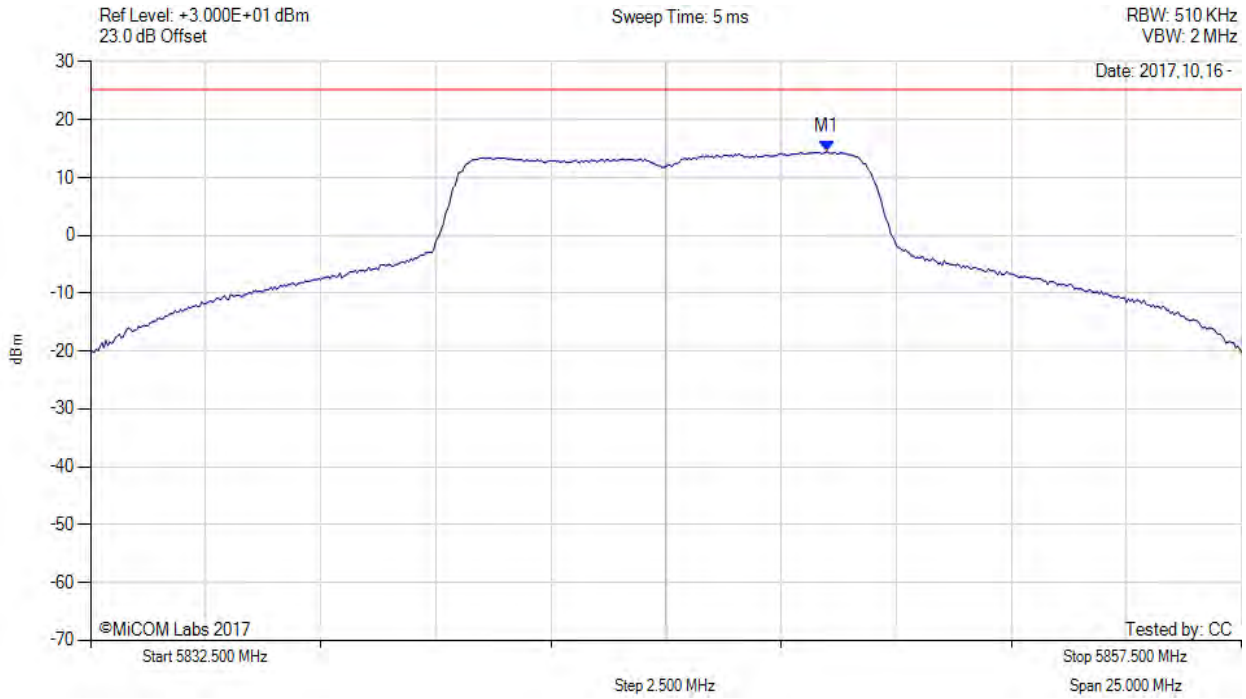



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5846.790 MHz : 14.239 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

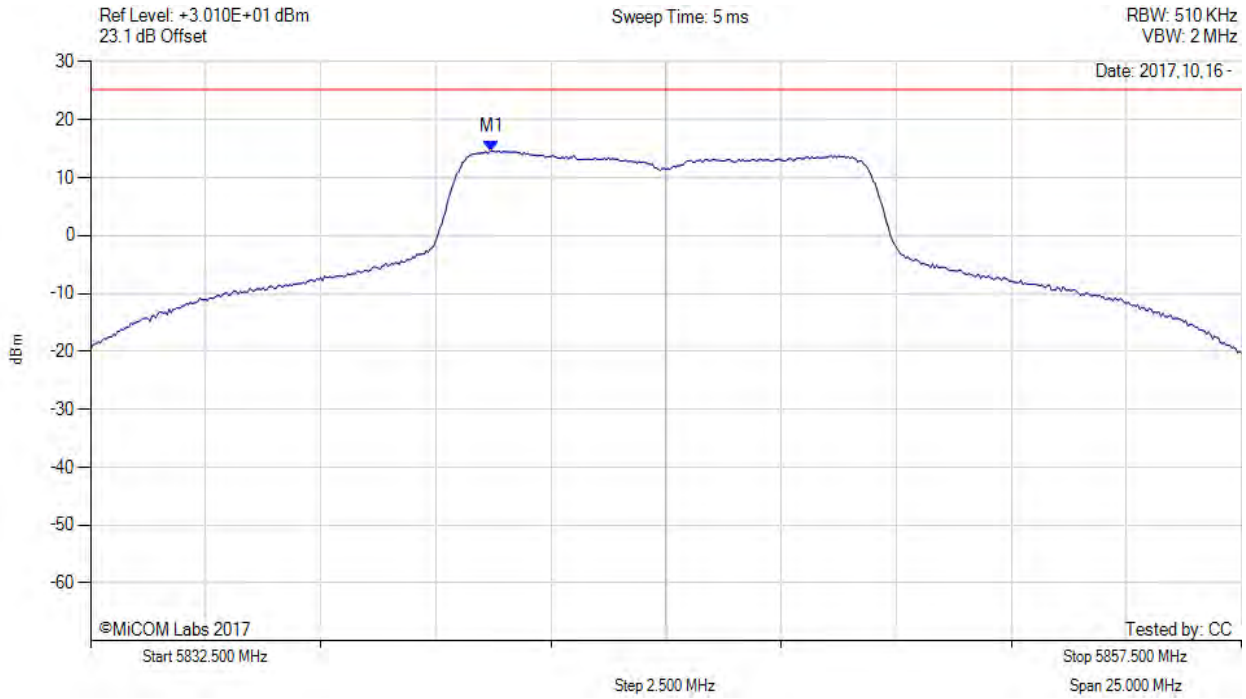



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5848.500 MHz : 14.483 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

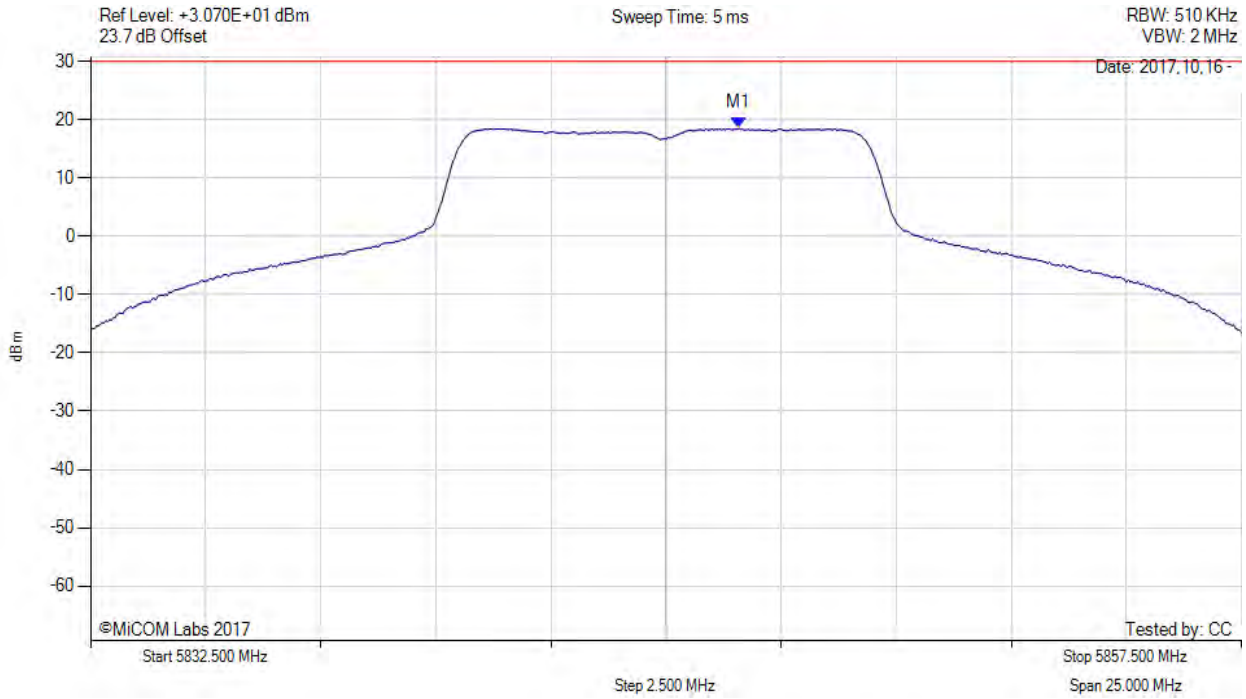



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5841.210 MHz : 14.616 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

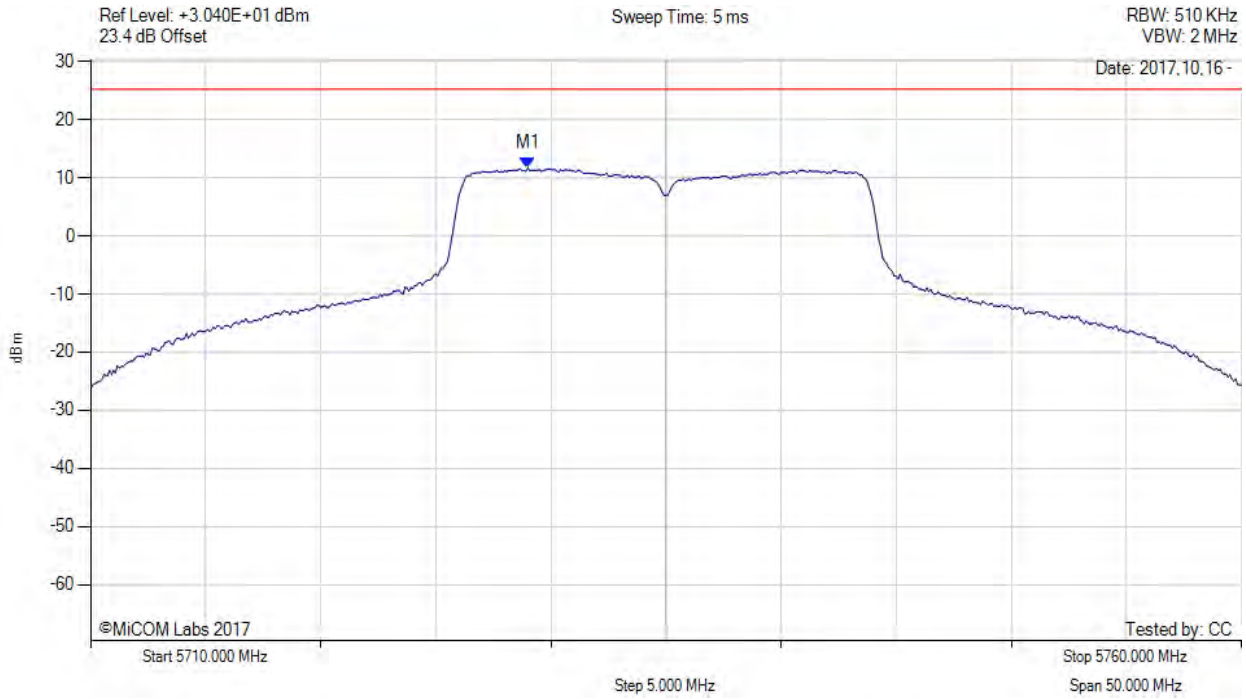



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5846.600 MHz : 18.529 dBm<br>M1 + DCCF : 5846.600 MHz : 18.529 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -11.4 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

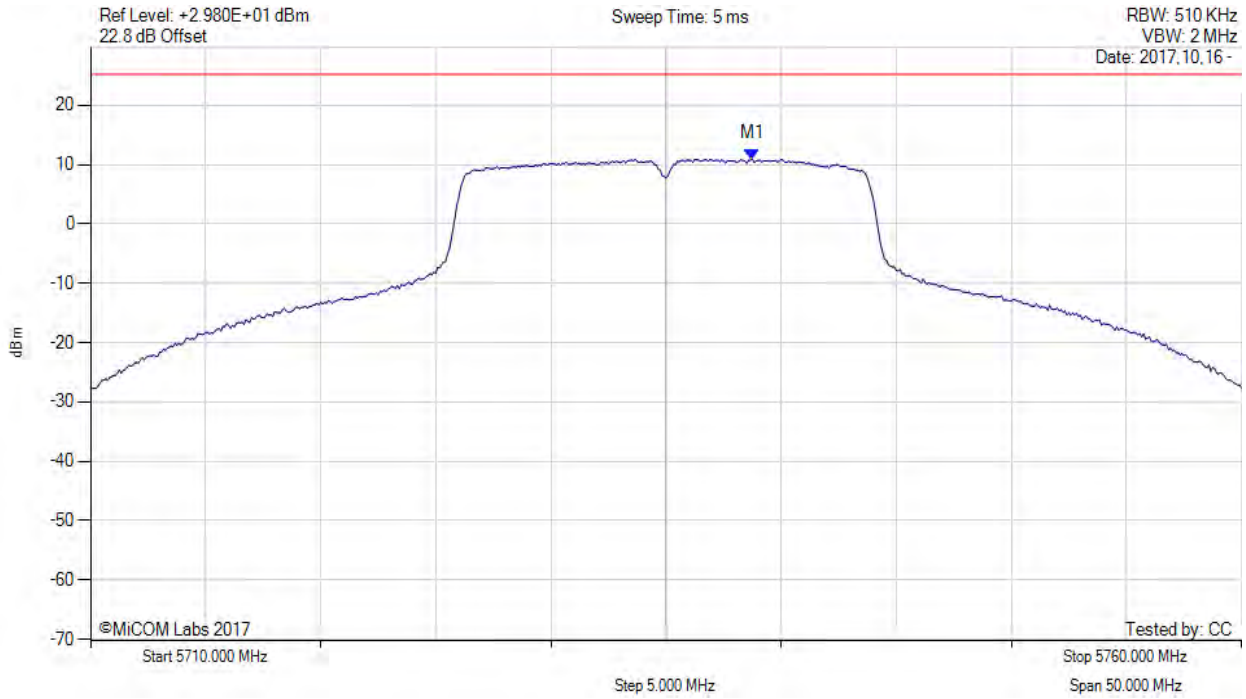



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5729.000 MHz : 11.674 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

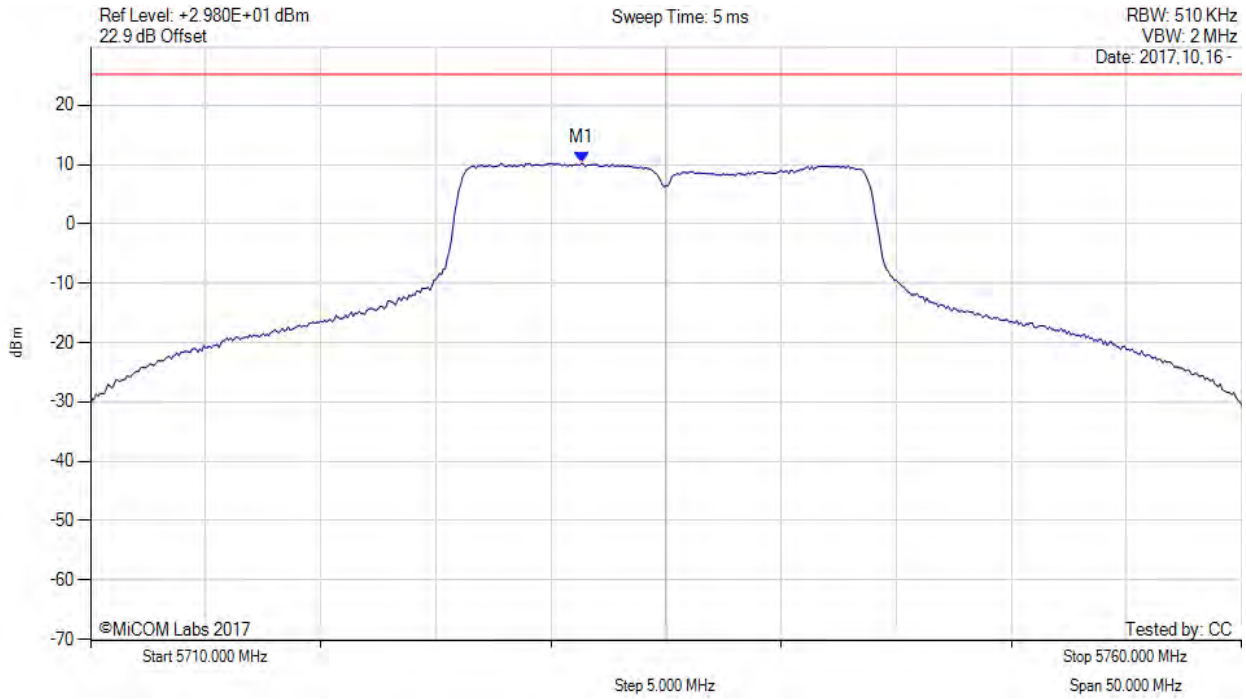



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5738.750 MHz : 10.956 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

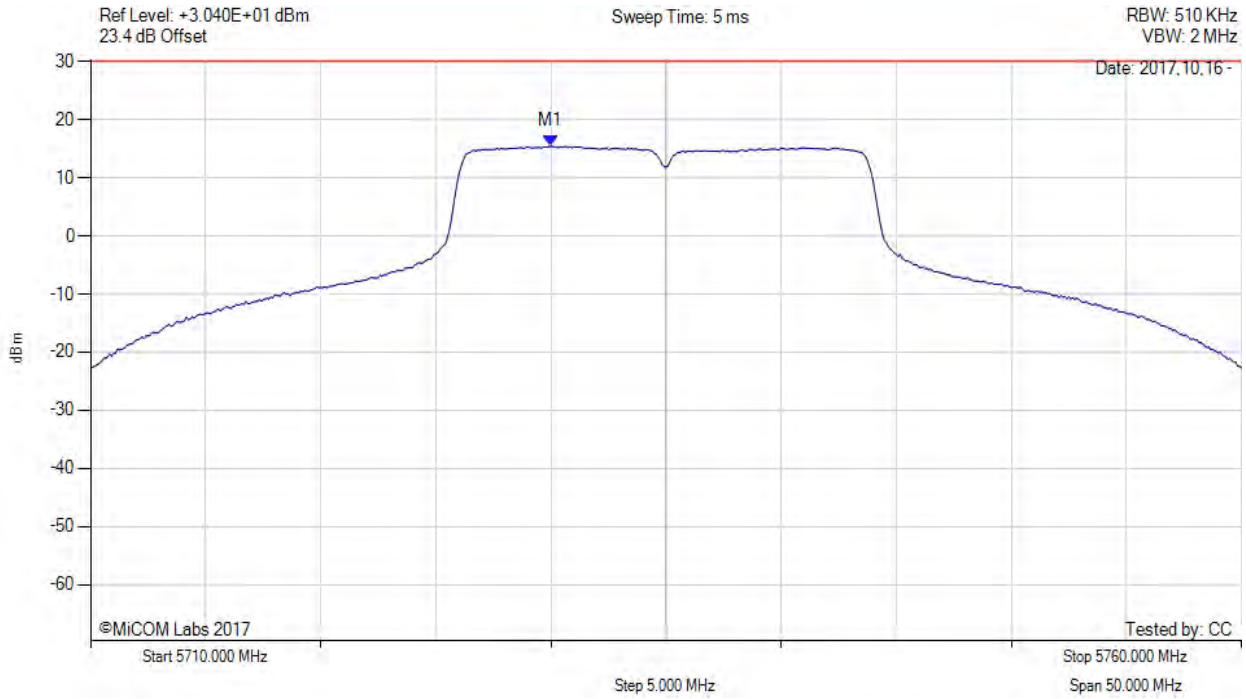



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5731.330 MHz : 10.300 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

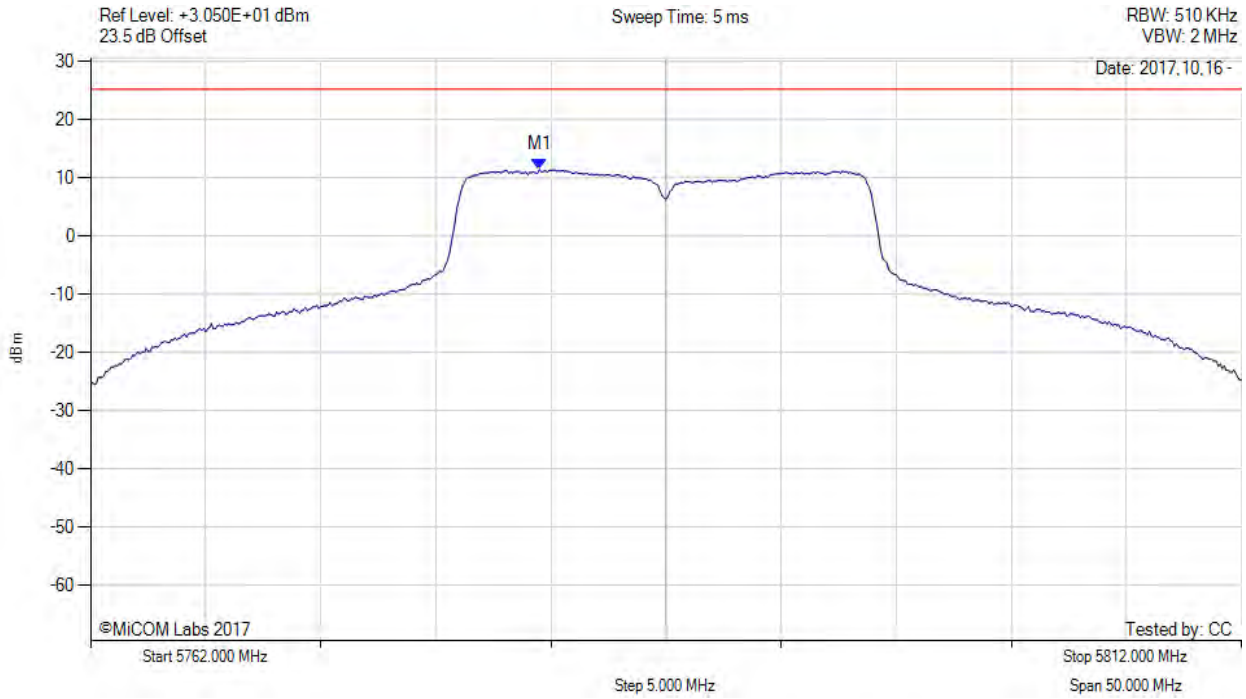



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5730.000 MHz : 15.449 dBm<br>M1 + DCCF : 5730.000 MHz : 15.449 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -14.5 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

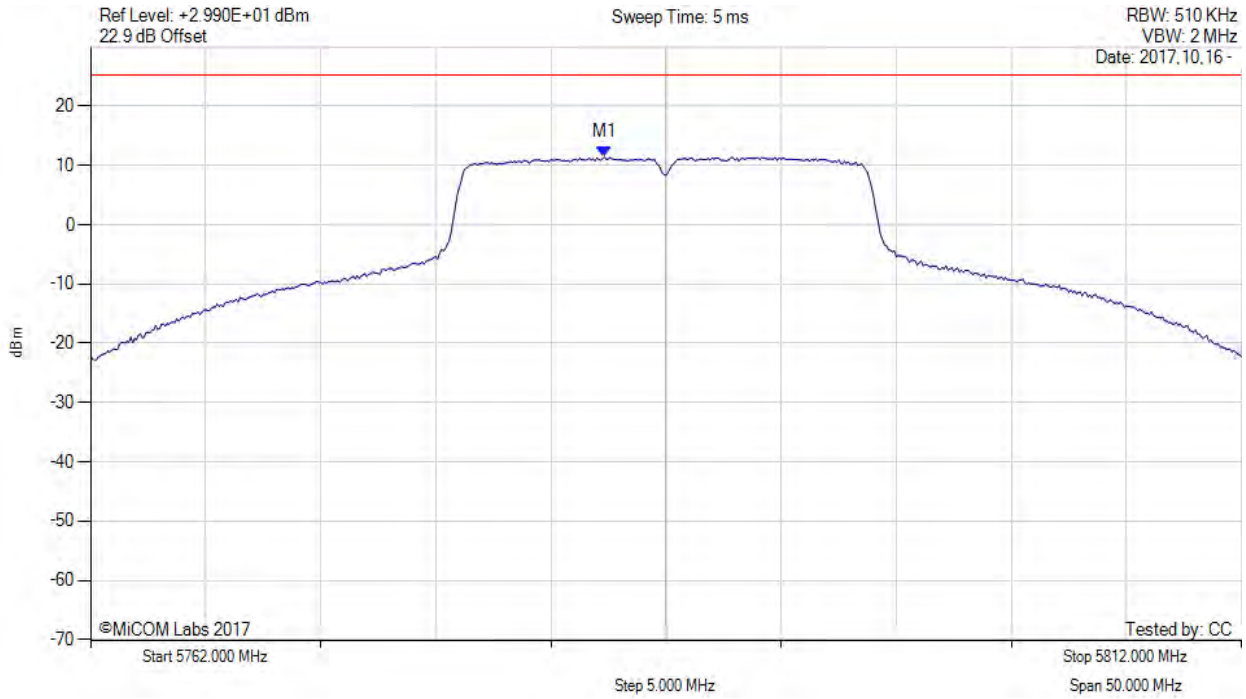



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5781.500 MHz : 11.457 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

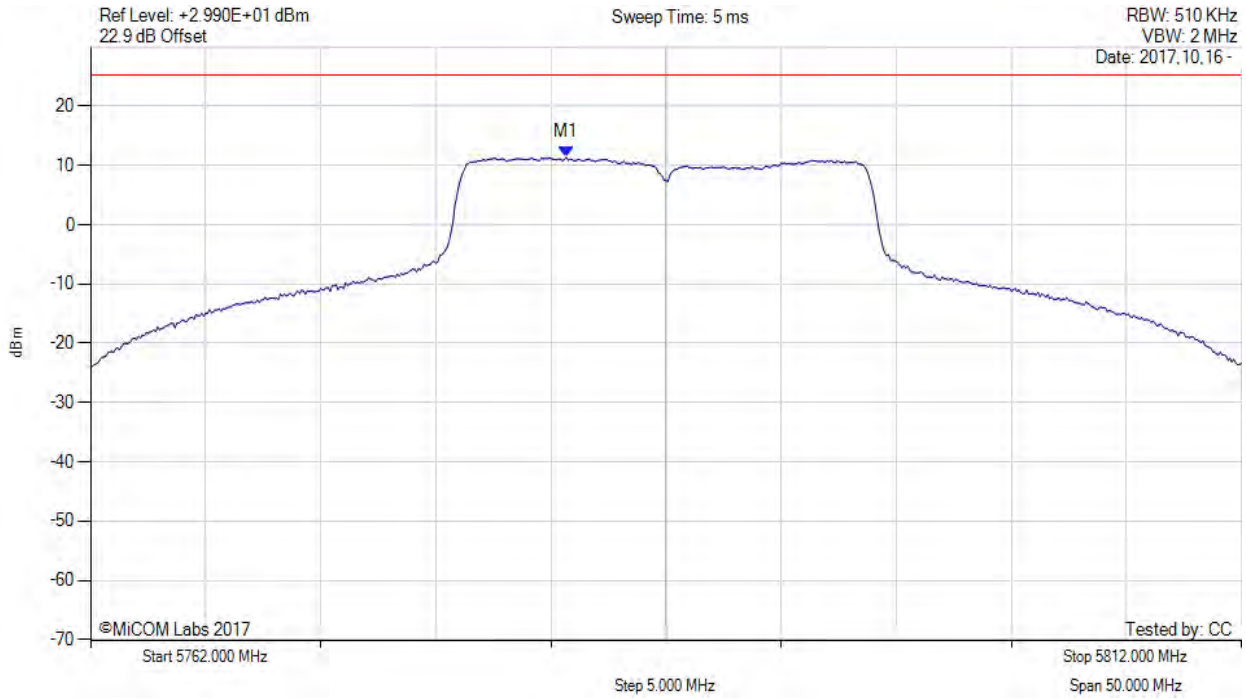



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5784.330 MHz : 11.377 dBm | Channel Frequency: 5787.00 MHz |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

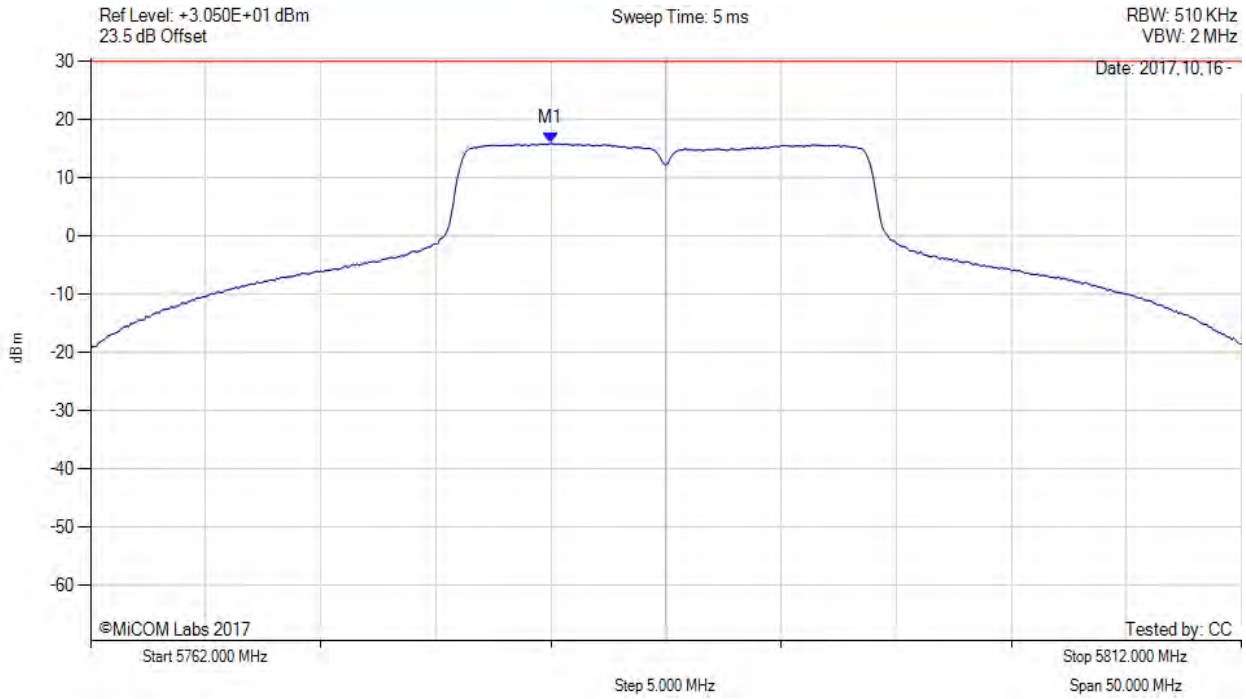



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5782.670 MHz : 11.348 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5787.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

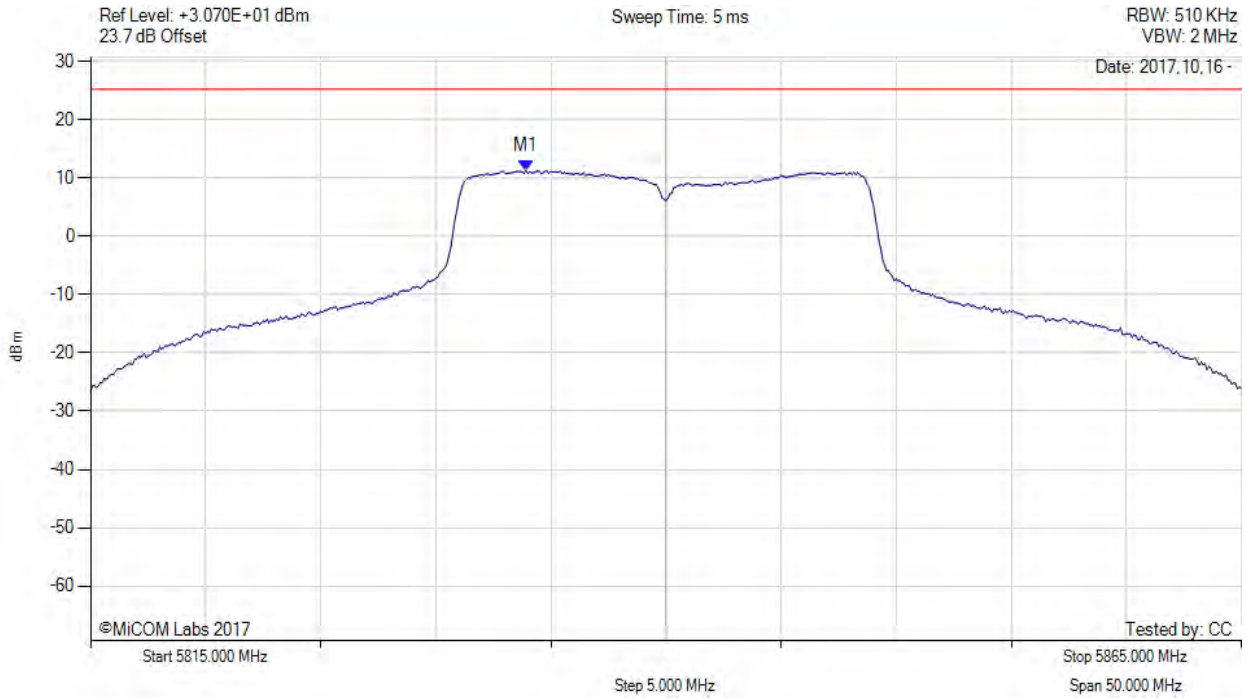



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5782.000 MHz : 15.922 dBm<br>M1 + DCCF : 5782.000 MHz : 15.922 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -14.0 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

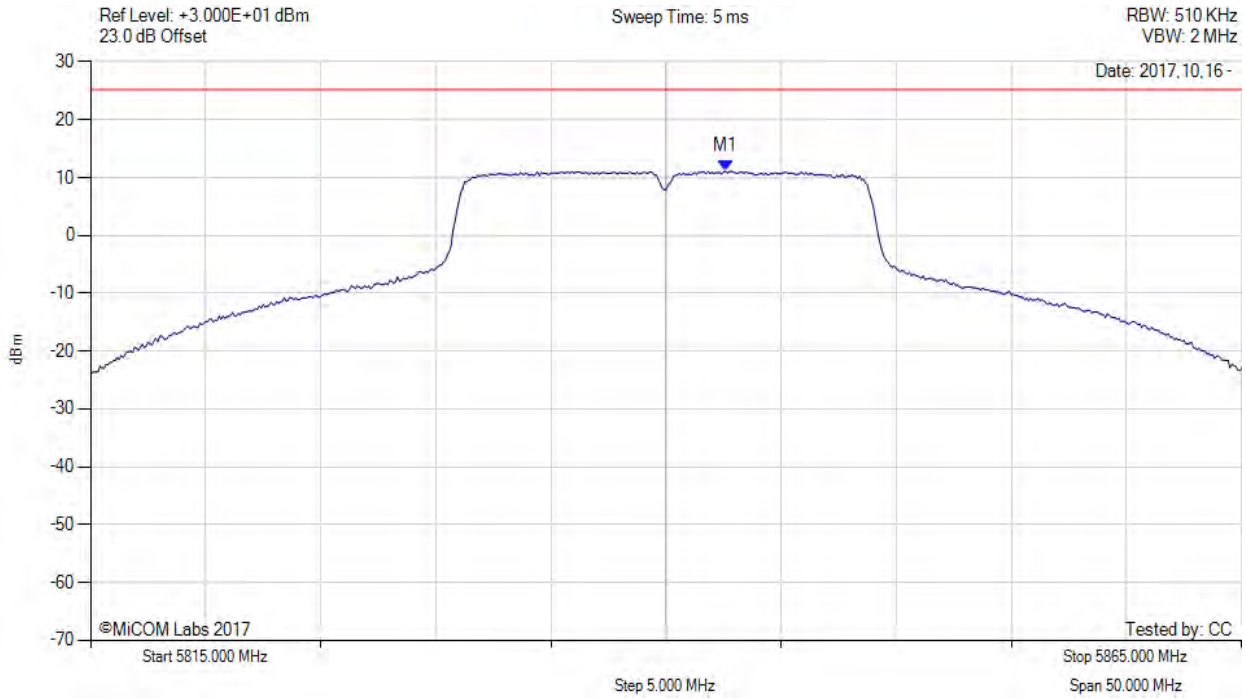



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5833.920 MHz : 11.266 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

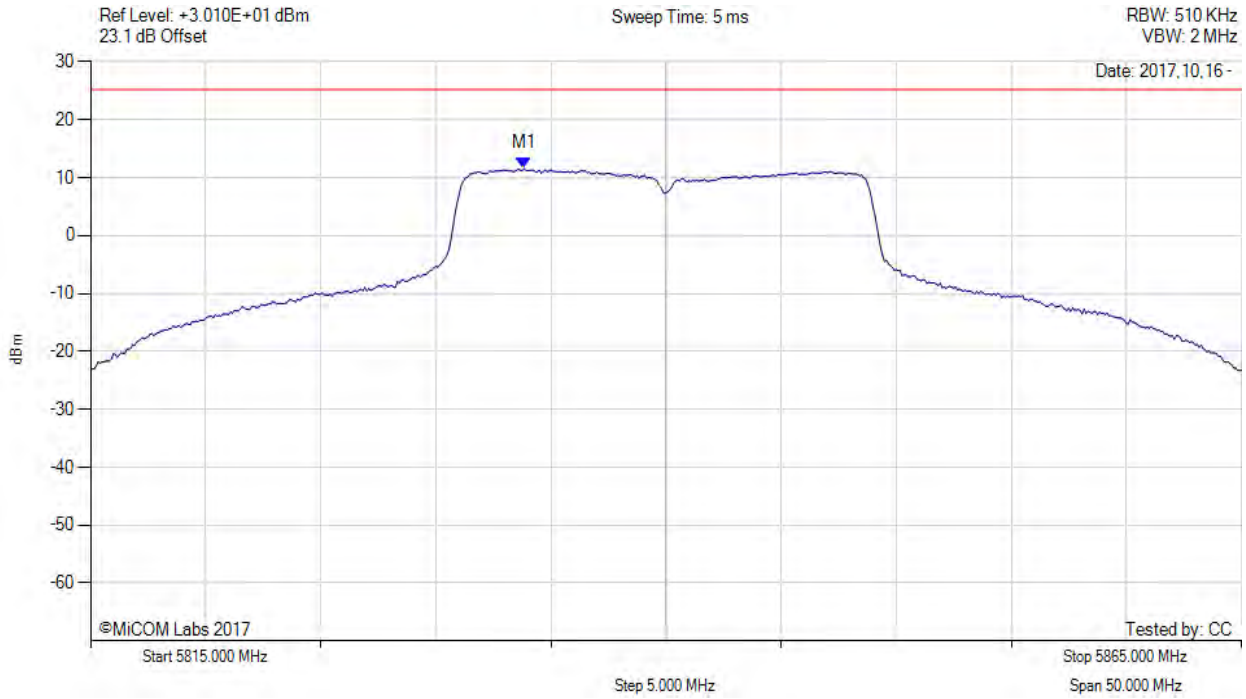



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5842.580 MHz : 11.083 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

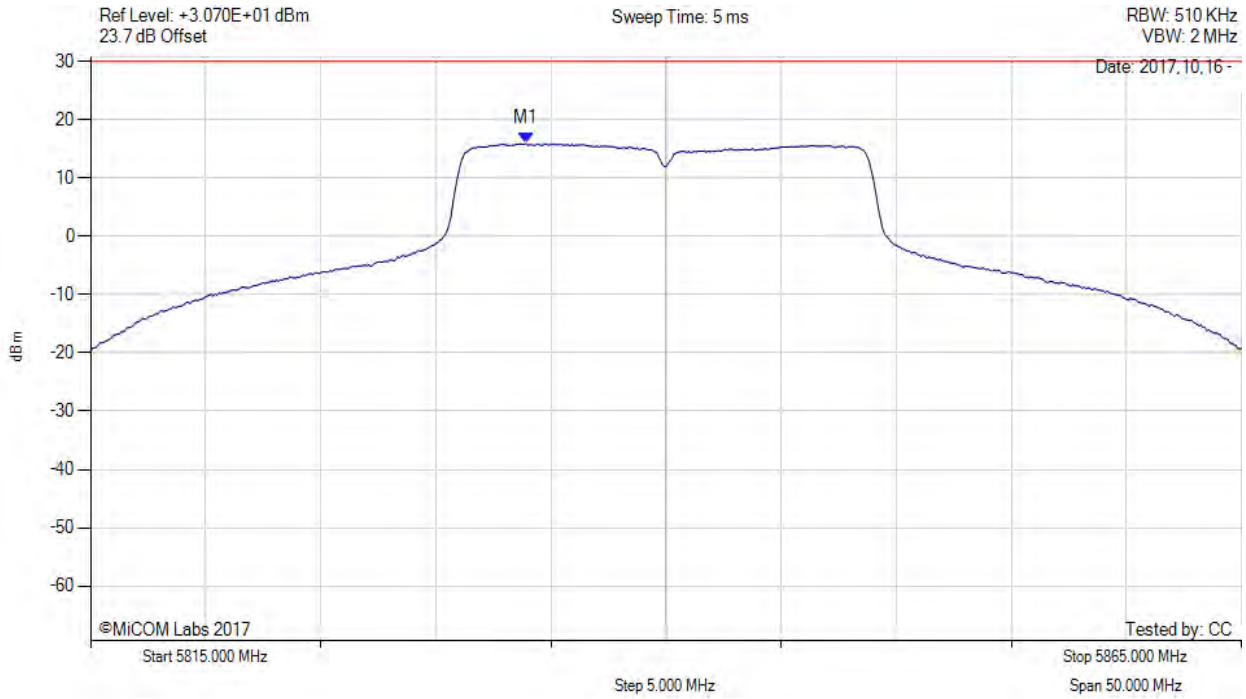



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5833.830 MHz : 11.583 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

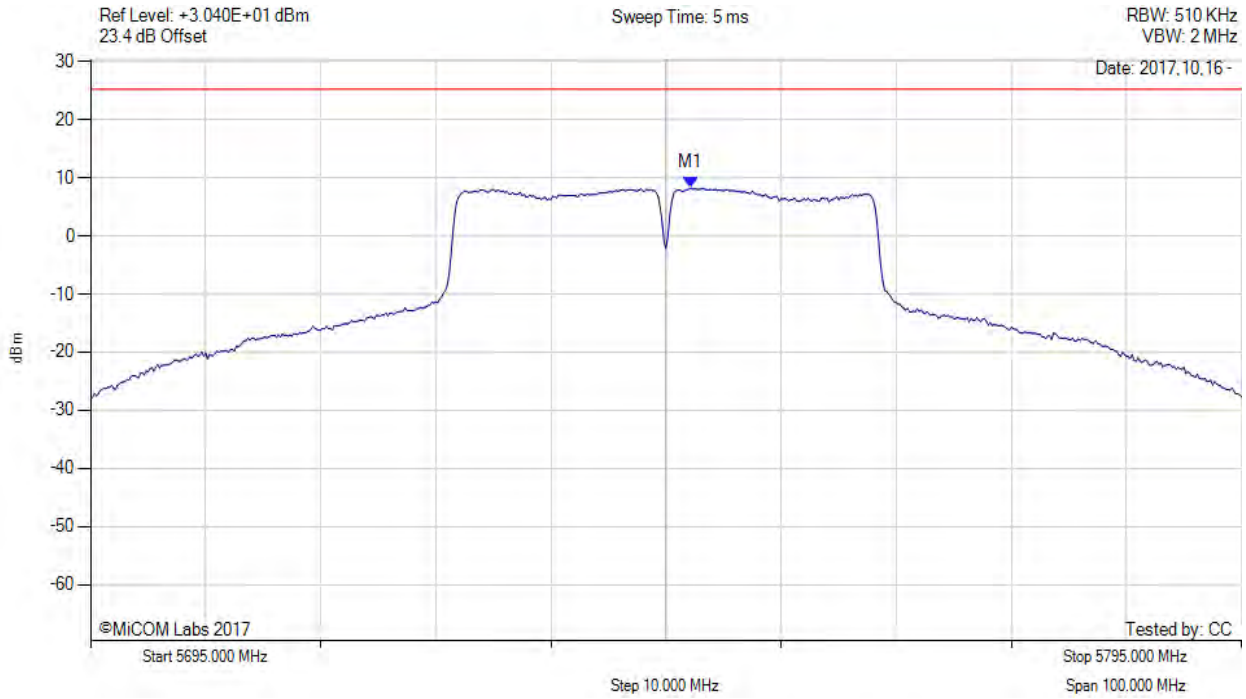



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5833.900 MHz : 15.883 dBm<br>M1 + DCCF : 5833.900 MHz : 15.883 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -14.1 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

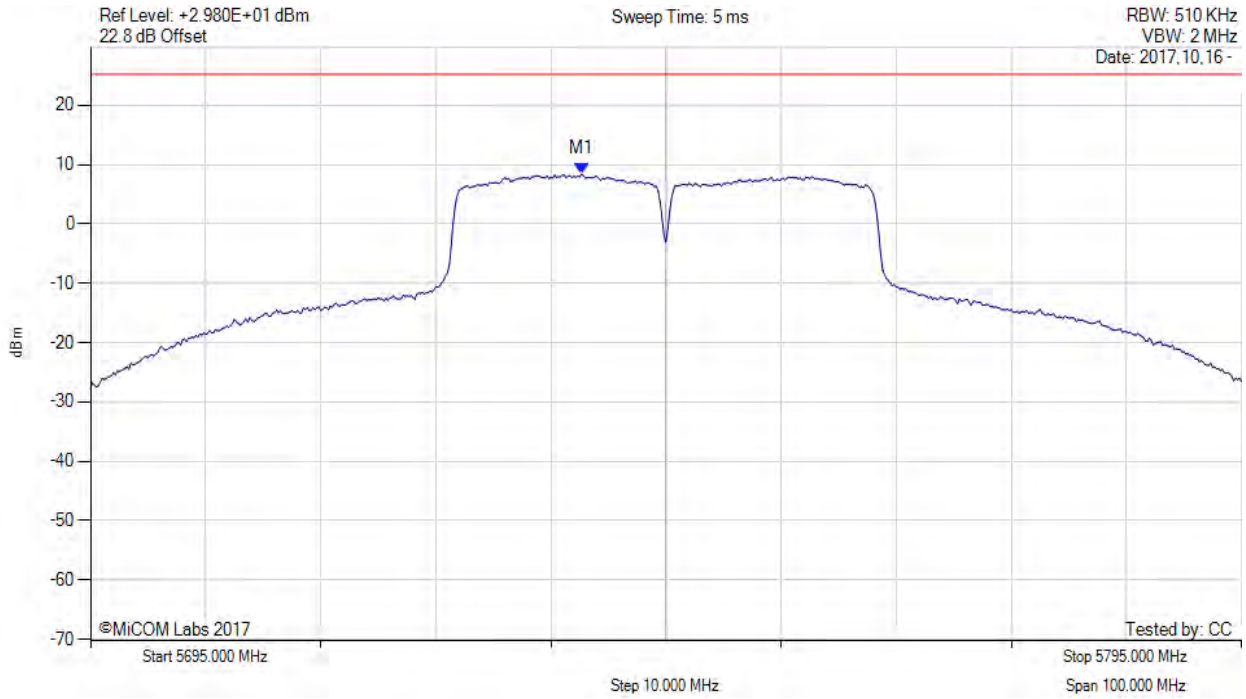



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5747.170 MHz : 8.262 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

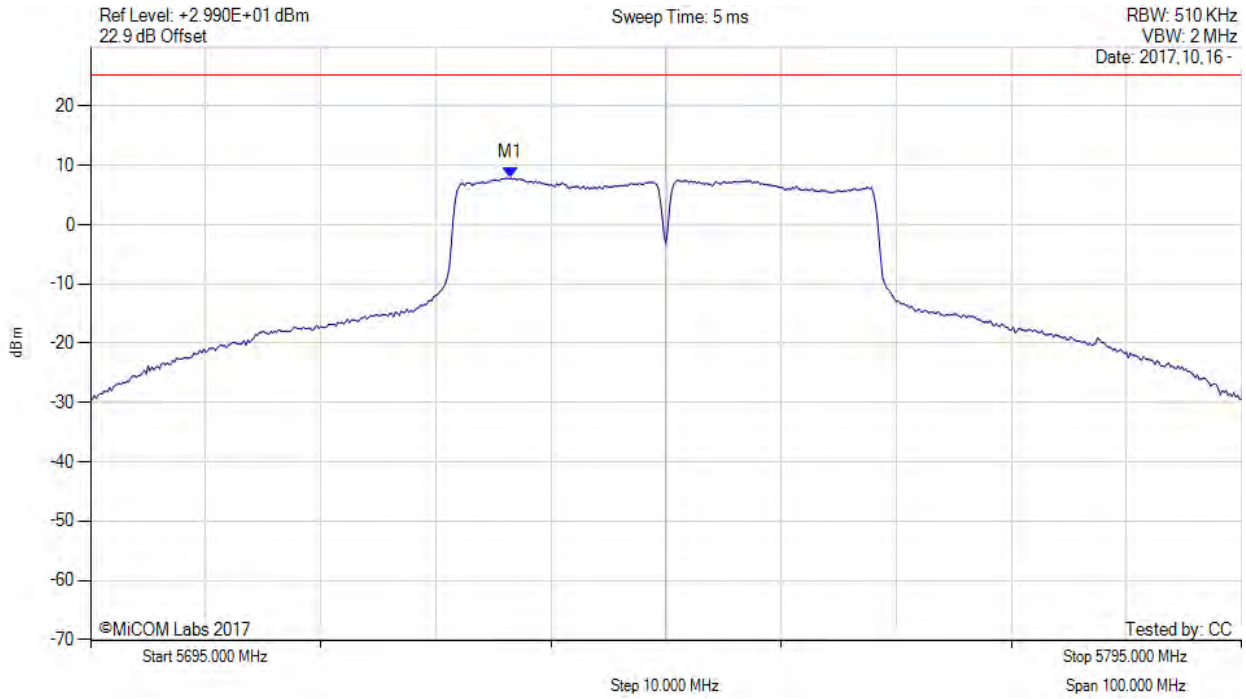



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5737.670 MHz : 8.454 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

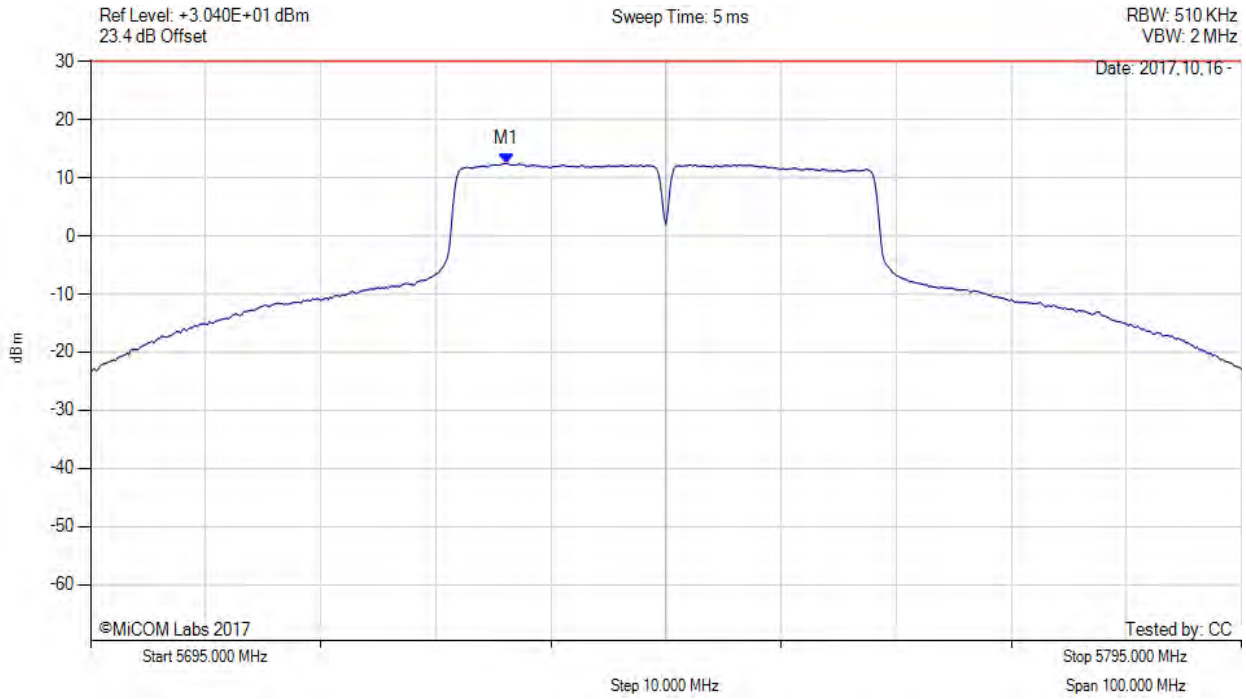



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5731.500 MHz : 7.863 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

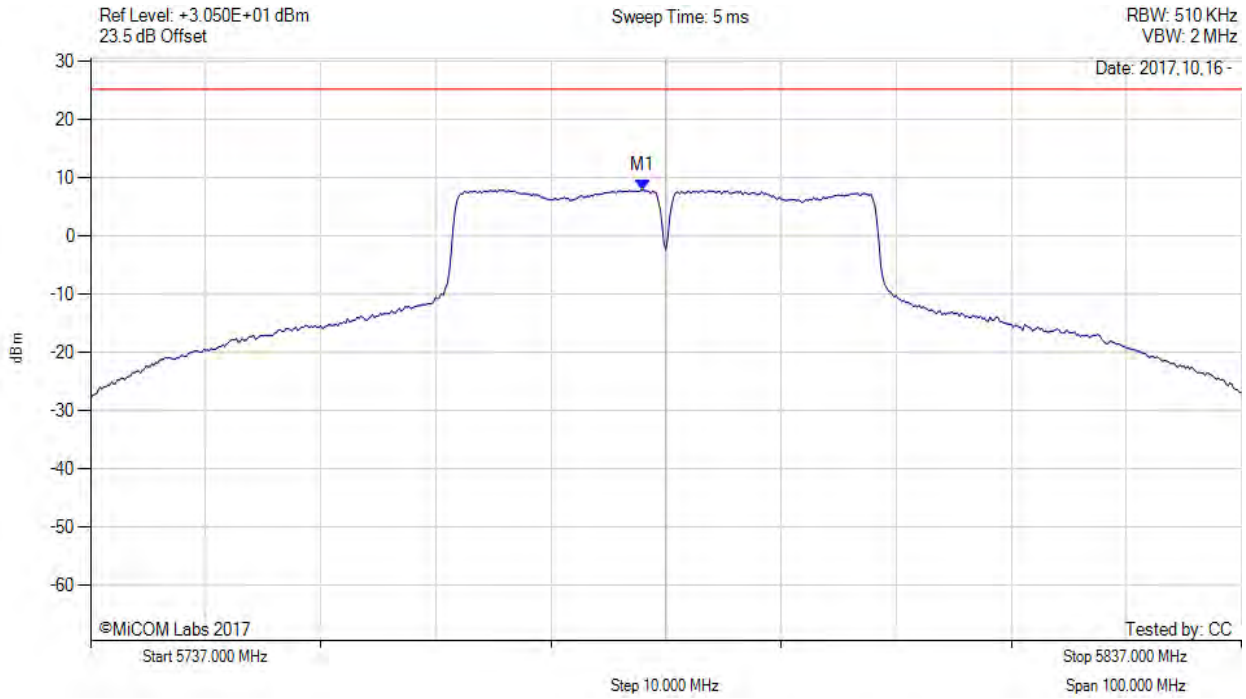



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5731.200 MHz : 12.464 dBm<br>M1 + DCCF : 5731.200 MHz : 12.464 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -17.5 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

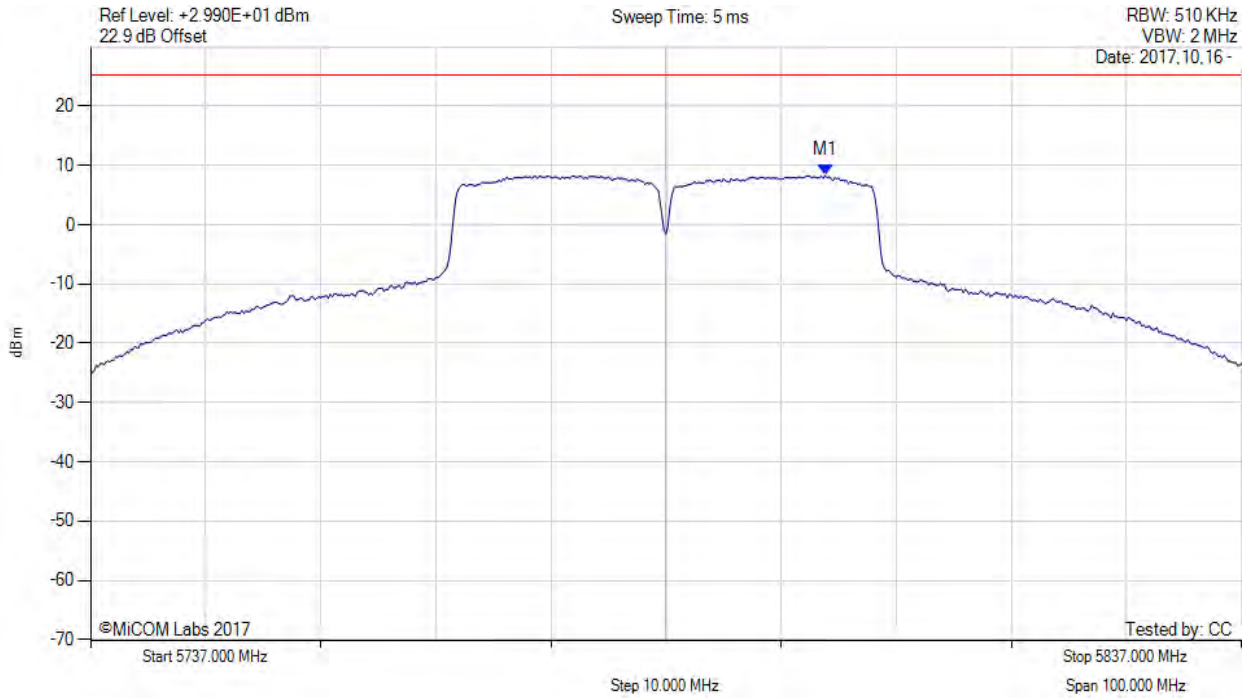



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5785.000 MHz : 7.885 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

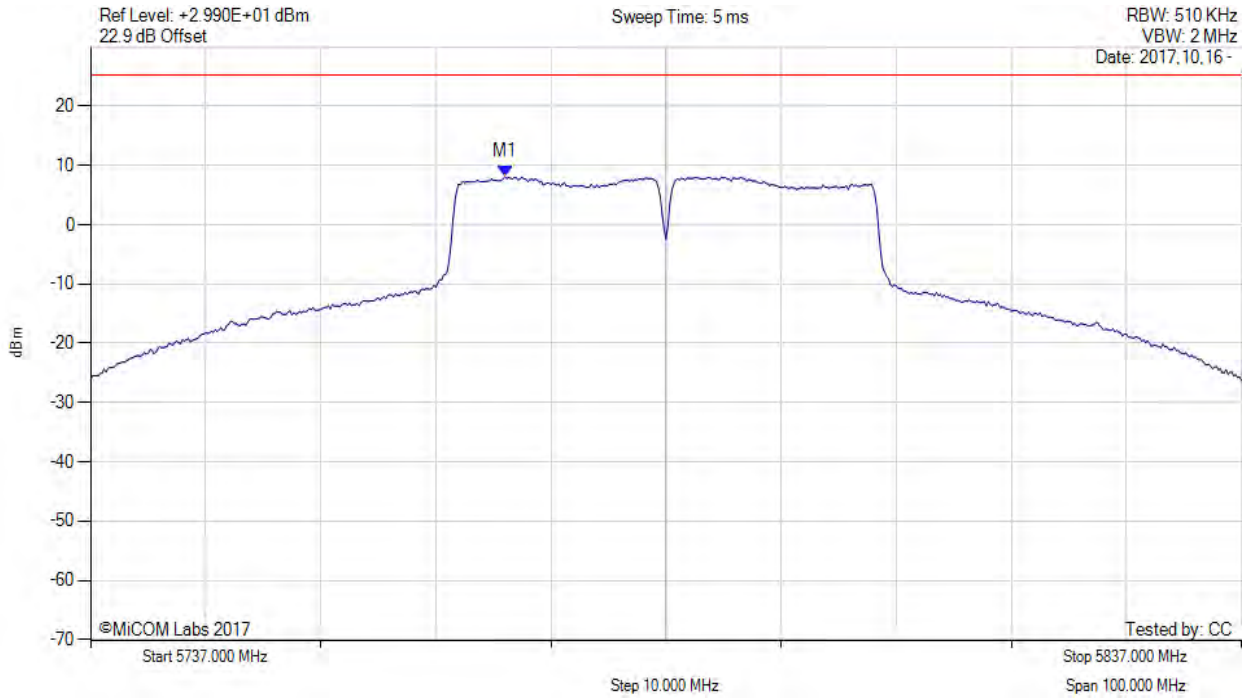



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5800.830 MHz : 8.289 dBm | Channel Frequency: 5787.00 MHz |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

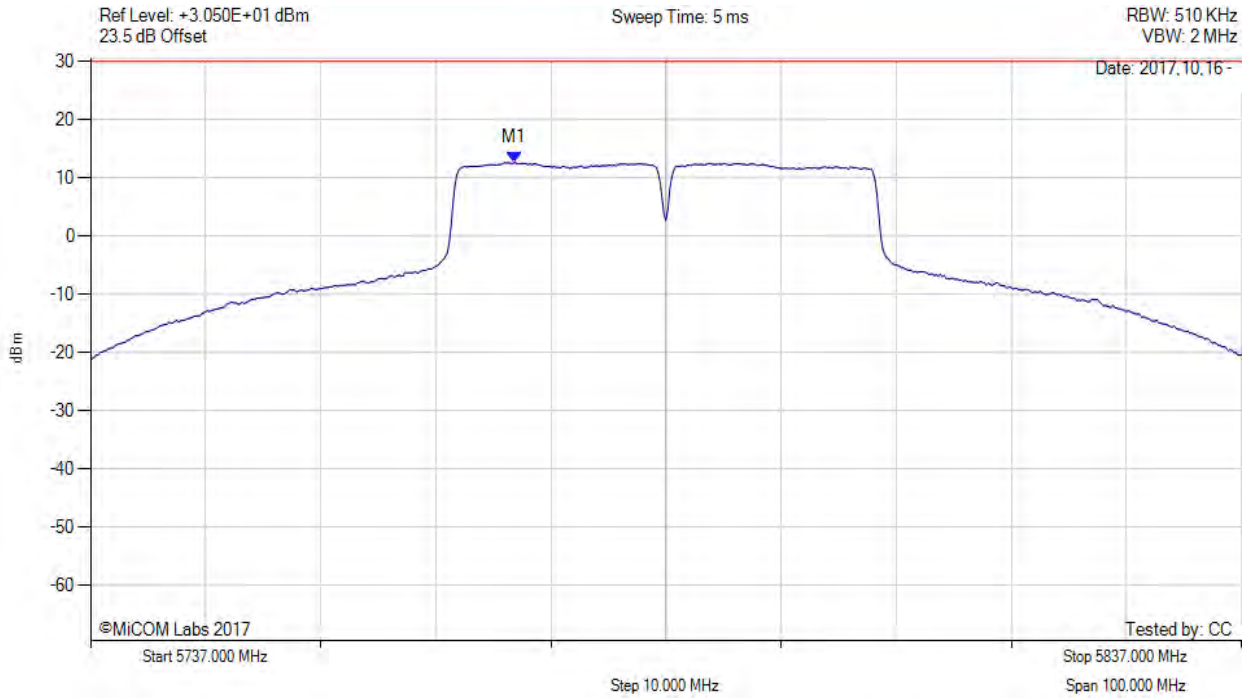



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5773.000 MHz : 8.079 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5787.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

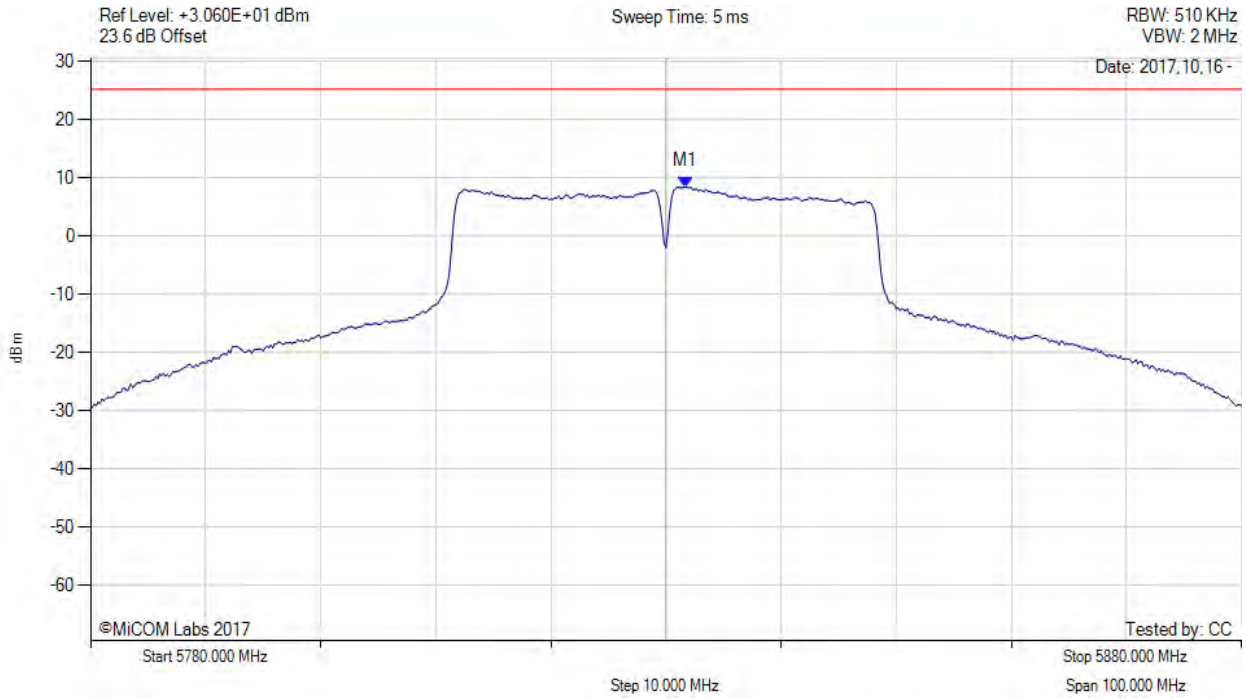



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5773.800 MHz : 12.663 dBm<br>M1 + DCCF : 5773.800 MHz : 12.663 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -17.3 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5830.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

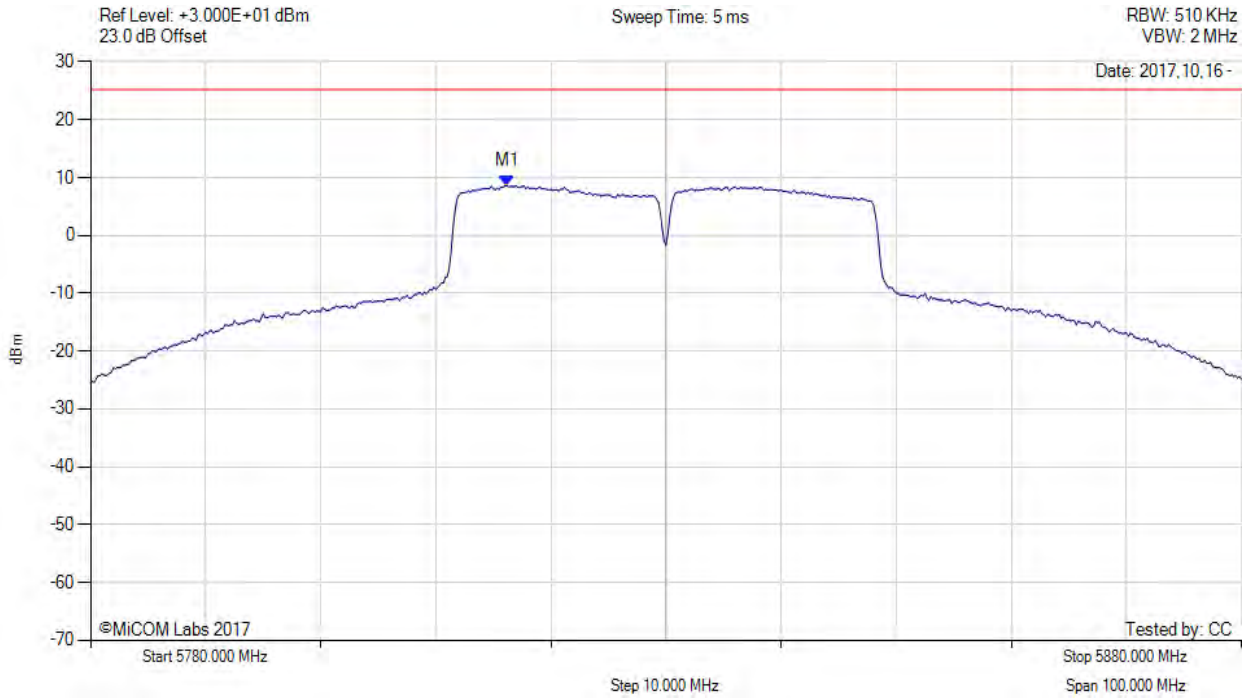



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5831.670 MHz : 8.470 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5830.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

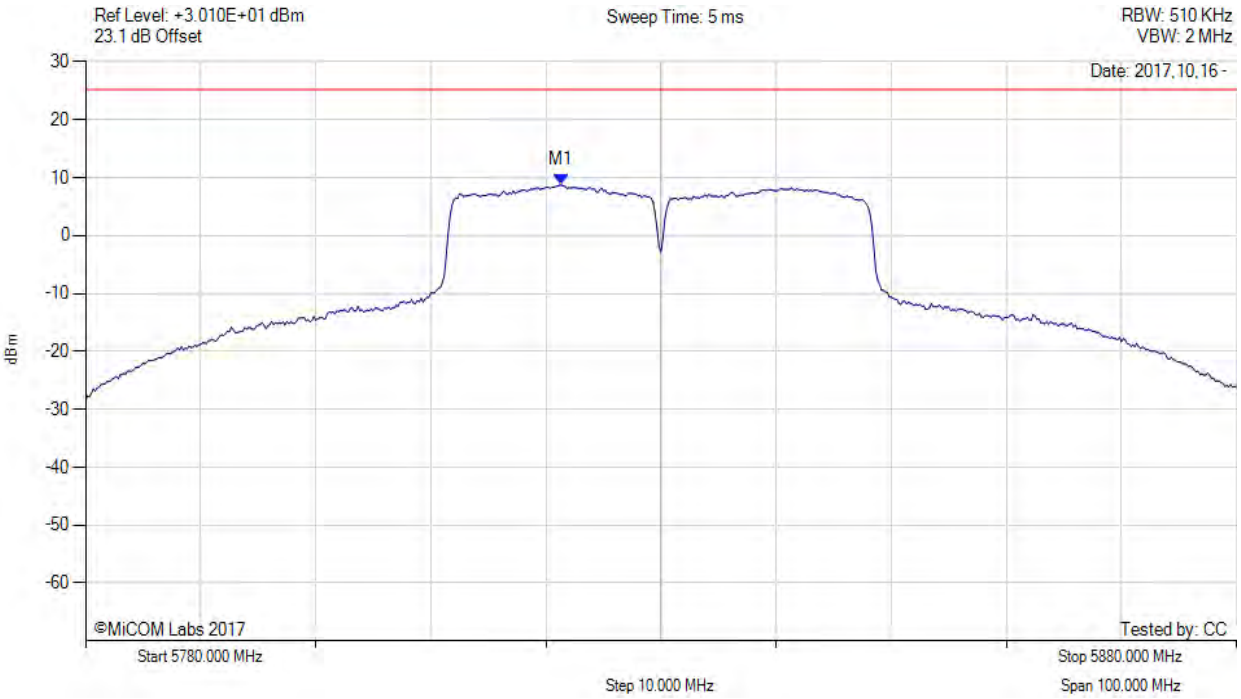



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5816.170 MHz : 8.609 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5830.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

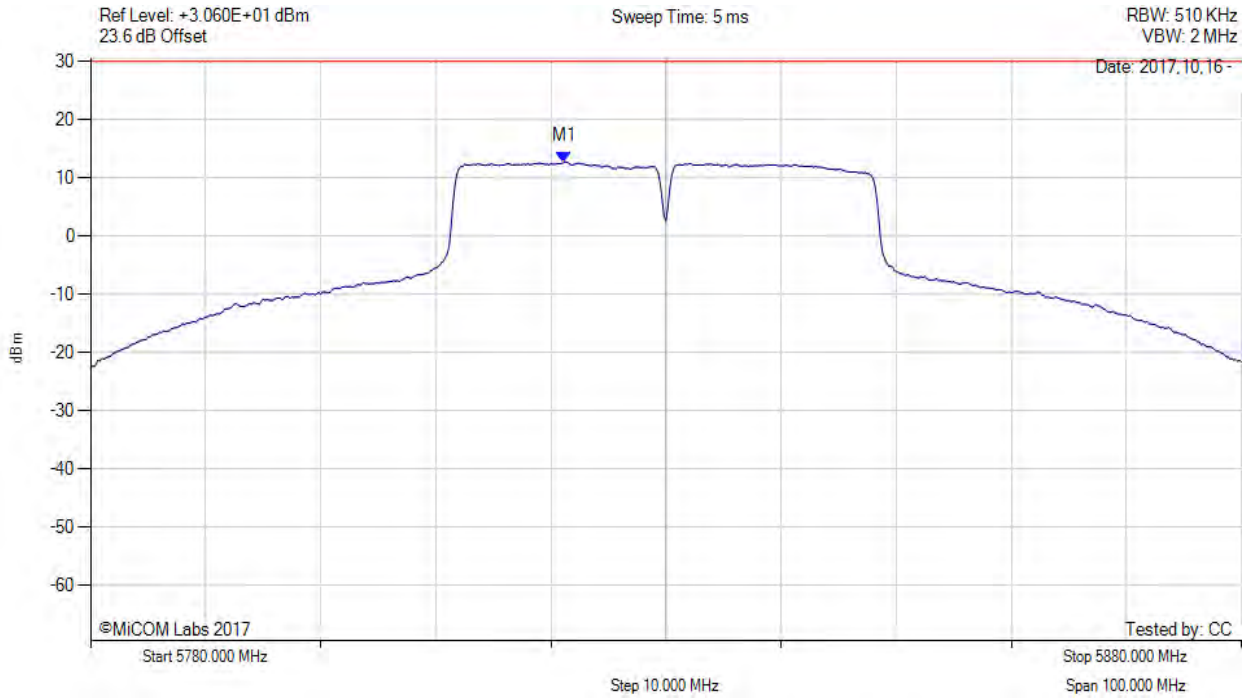



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5821.330 MHz : 8.730 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5830.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

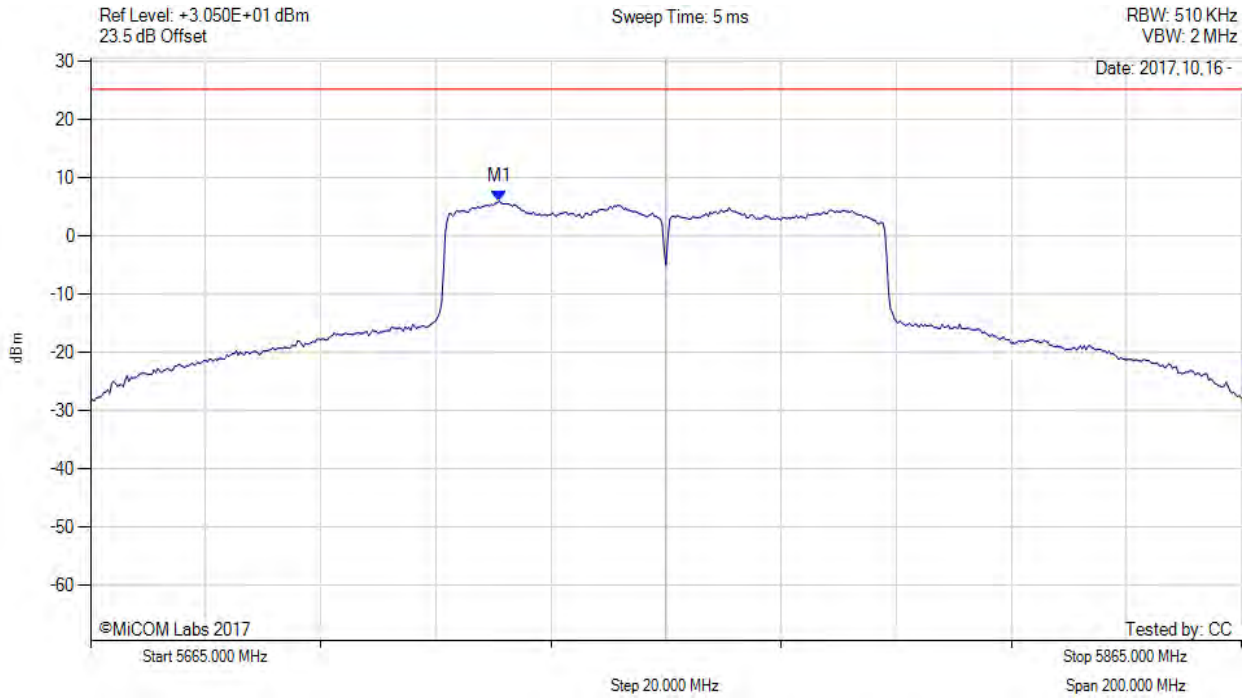



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5821.200 MHz : 12.759 dBm<br>M1 + DCCF : 5821.200 MHz : 12.759 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -17.2 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

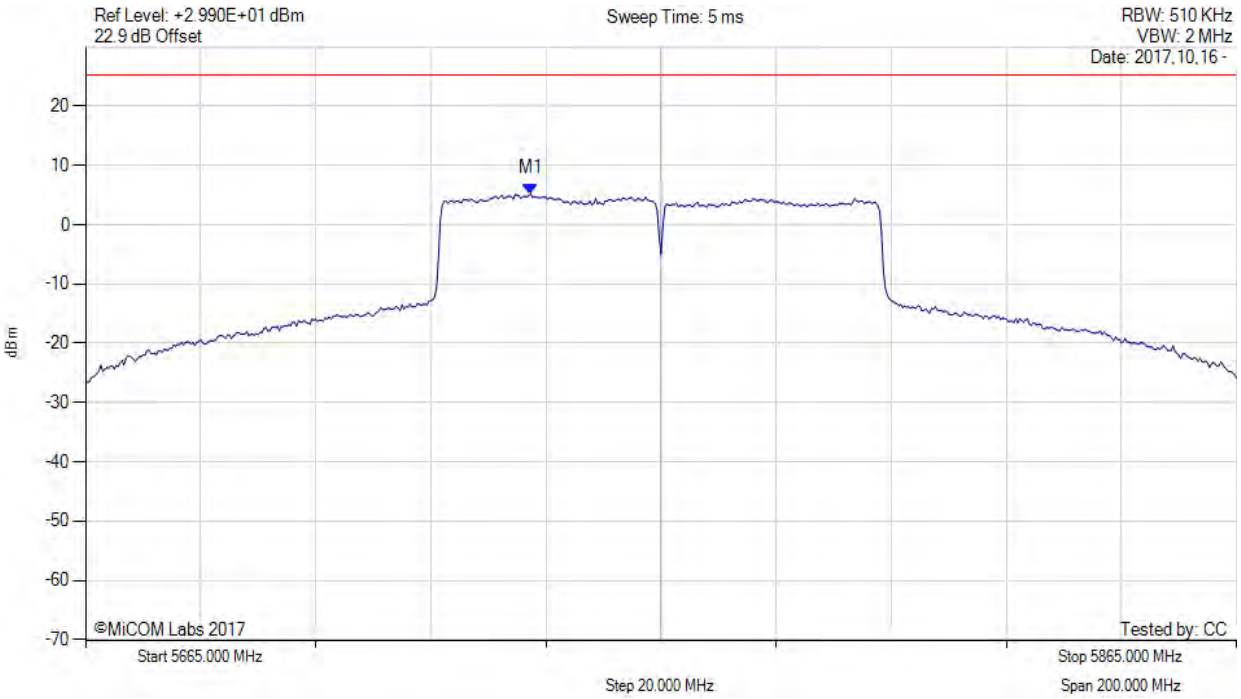



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5736.000 MHz : 6.029 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

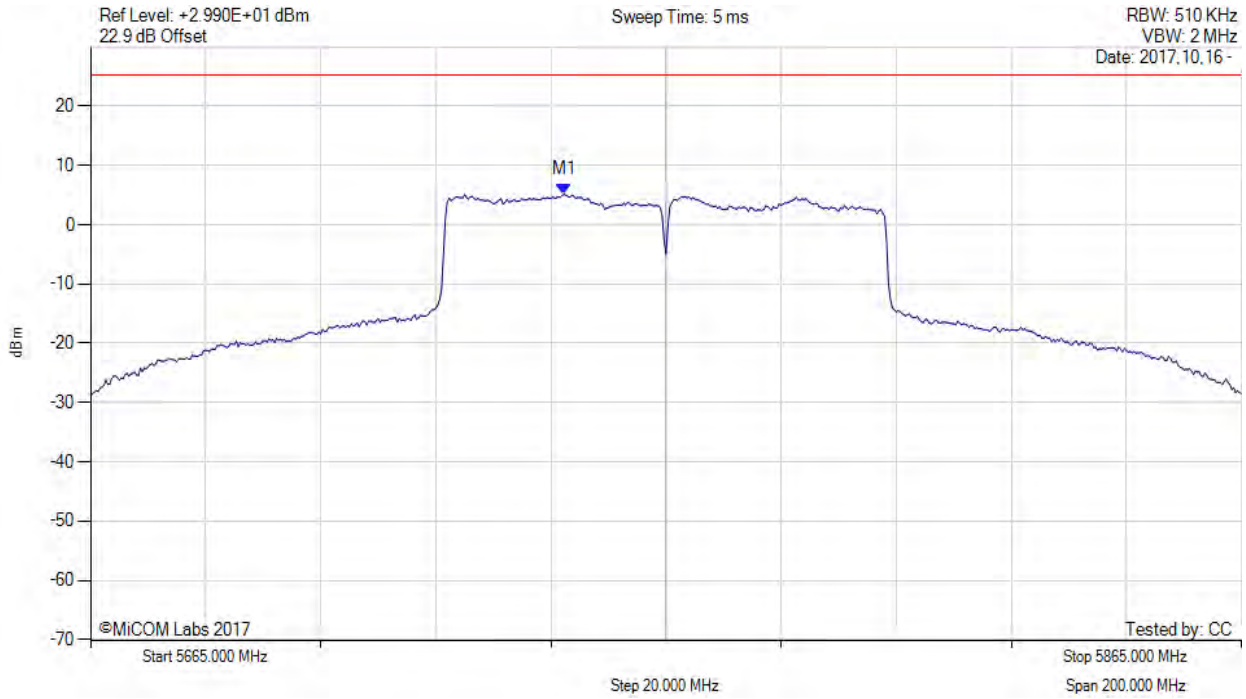



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5742.300 MHz : 5.224 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

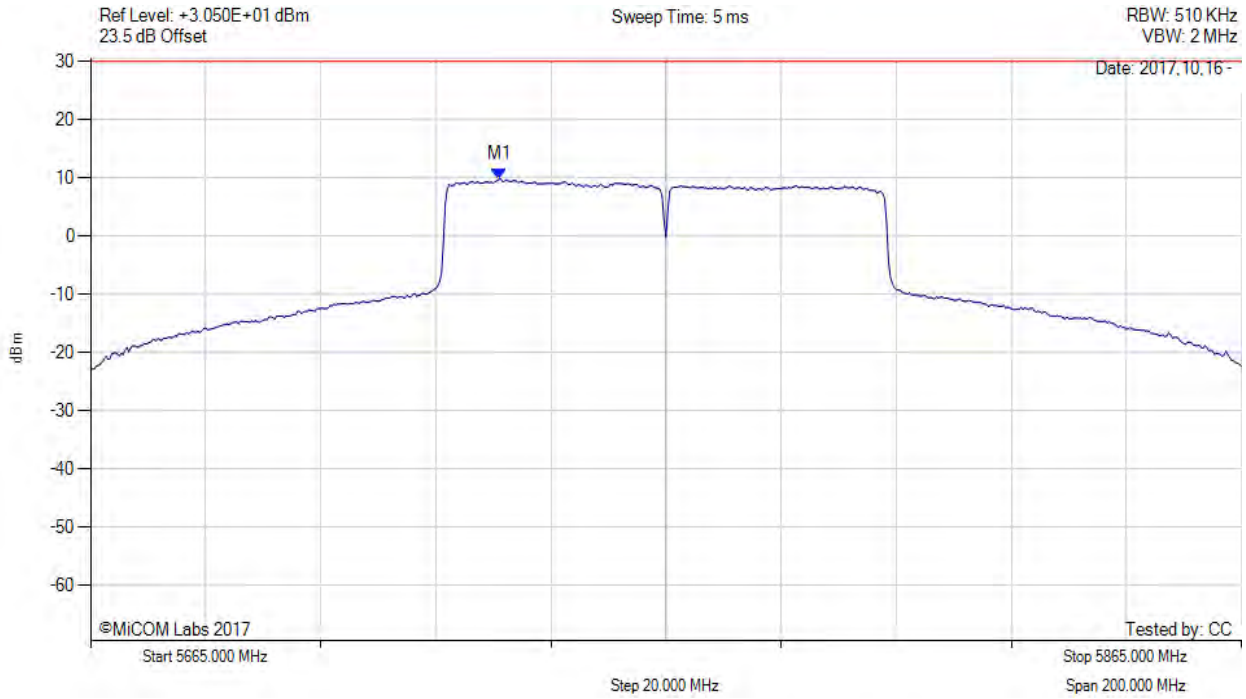



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5747.300 MHz : 5.120 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

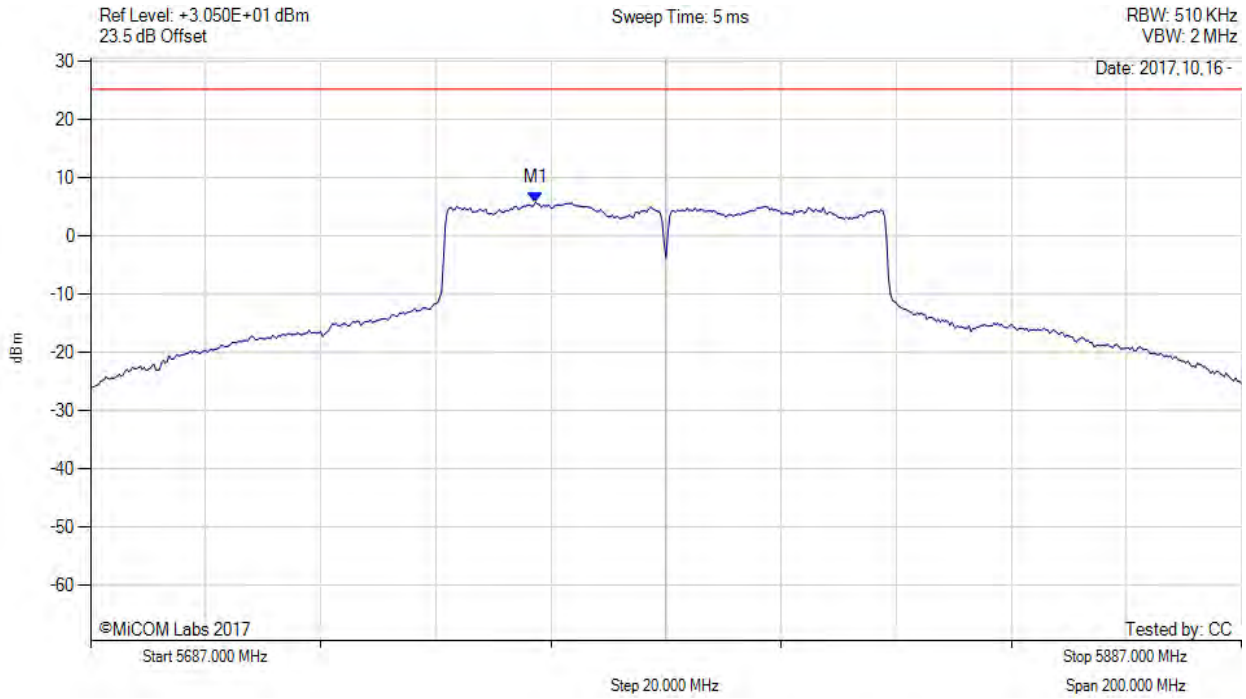



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5736.000 MHz : 9.786 dBm<br>M1 + DCCF : 5736.000 MHz : 9.786 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -20.2 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5787.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

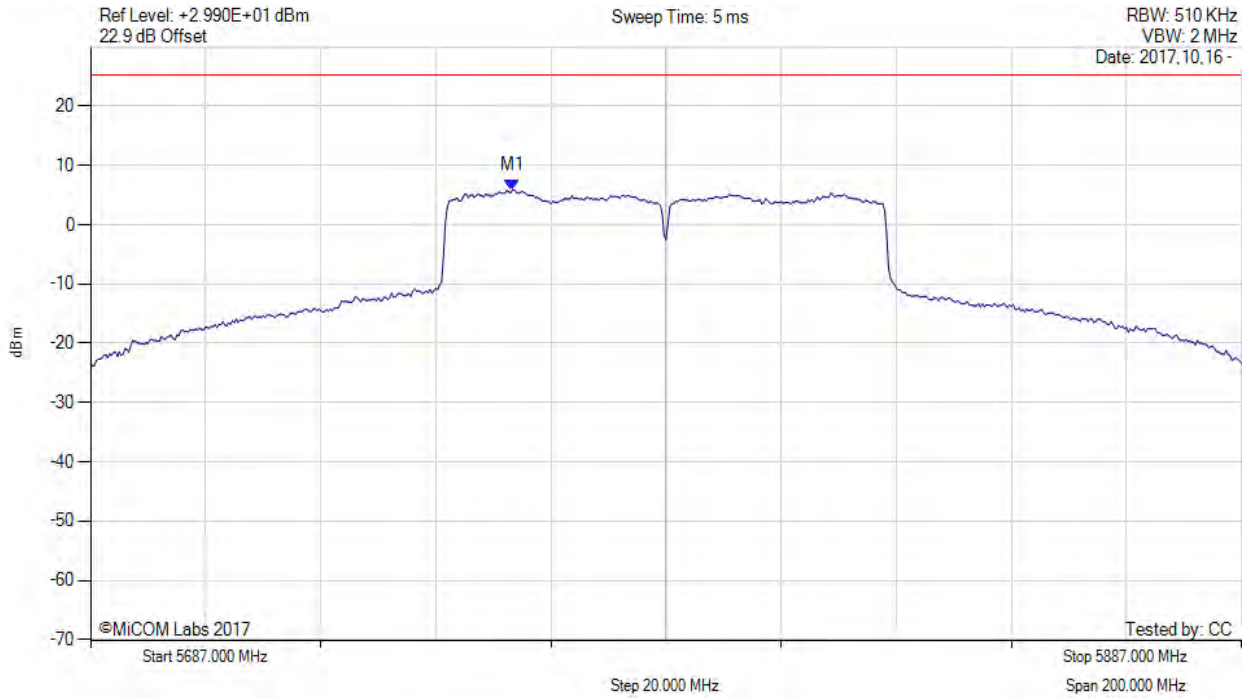



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5764.300 MHz : 5.824 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5787.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

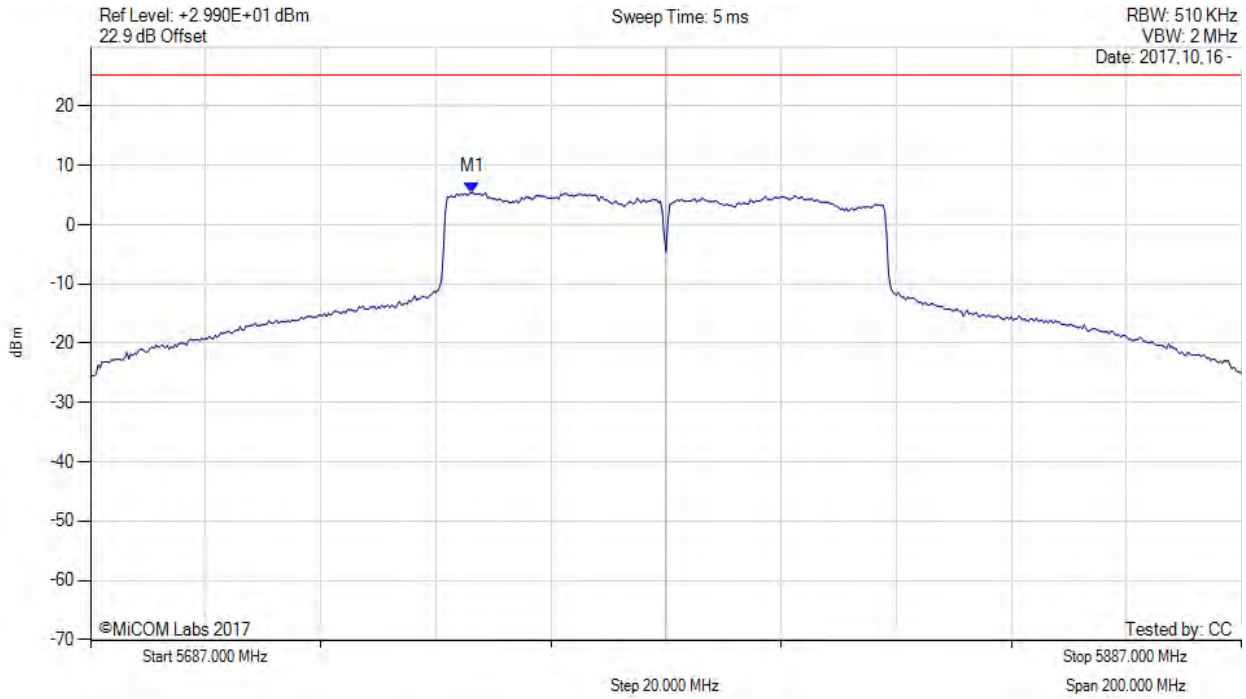



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5760.300 MHz : 5.871 dBm | Channel Frequency: 5787.00 MHz |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5787.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

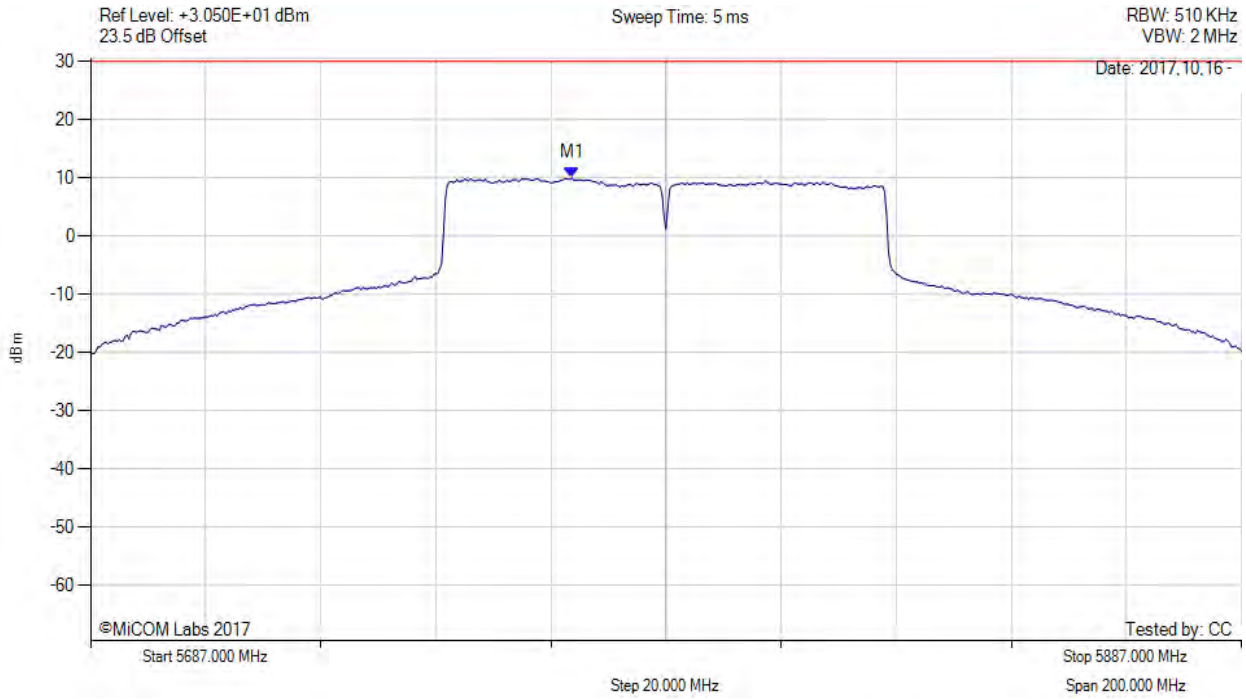



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5753.300 MHz : 5.459 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5787.00 MHz, SUM, Temp: 20, Voltage: 55Vdc

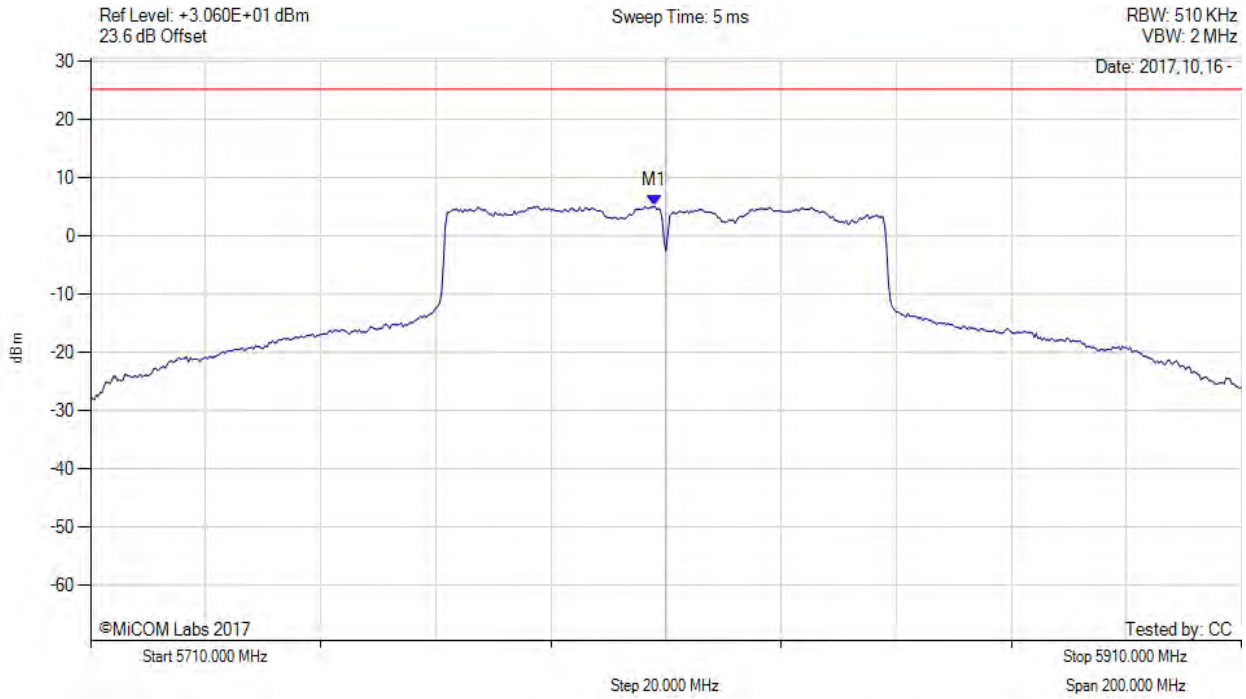



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5770.700 MHz : 9.970 dBm<br>M1 + DCCF : 5770.700 MHz : 9.970 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -20.0 dB |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, Chain a, Temp: 20, Voltage: 55Vdc

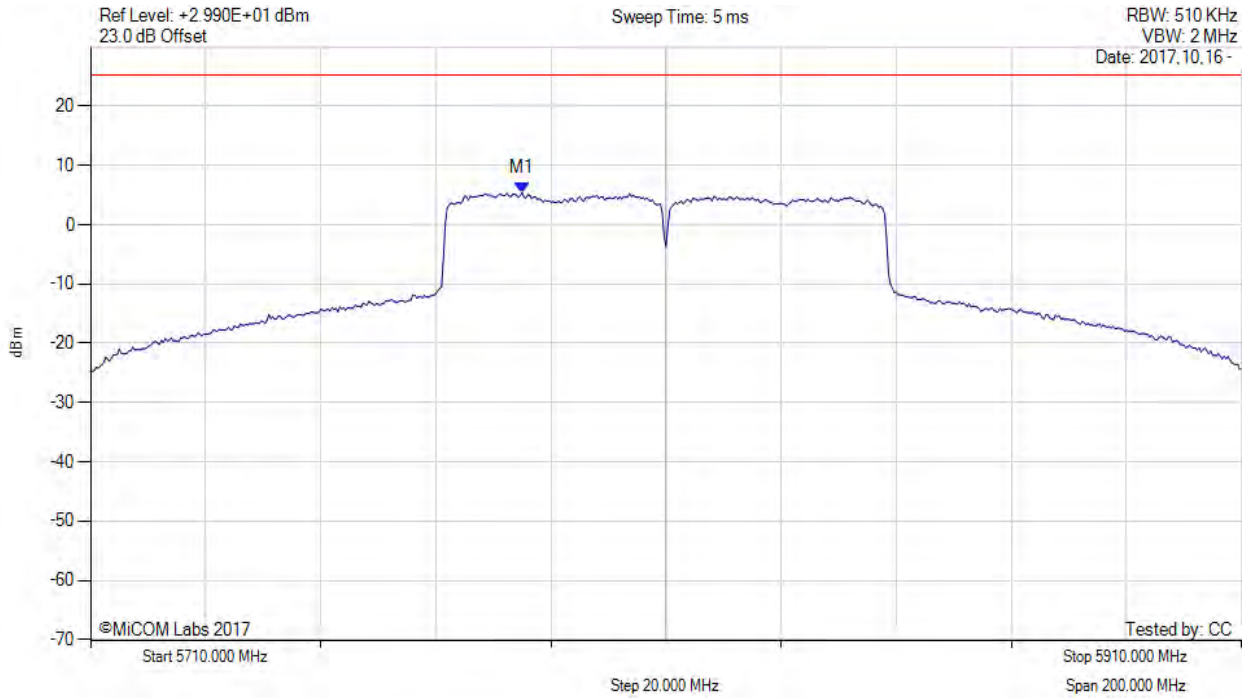



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5808.000 MHz : 5.173 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, Chain b, Temp: 20, Voltage: 55Vdc

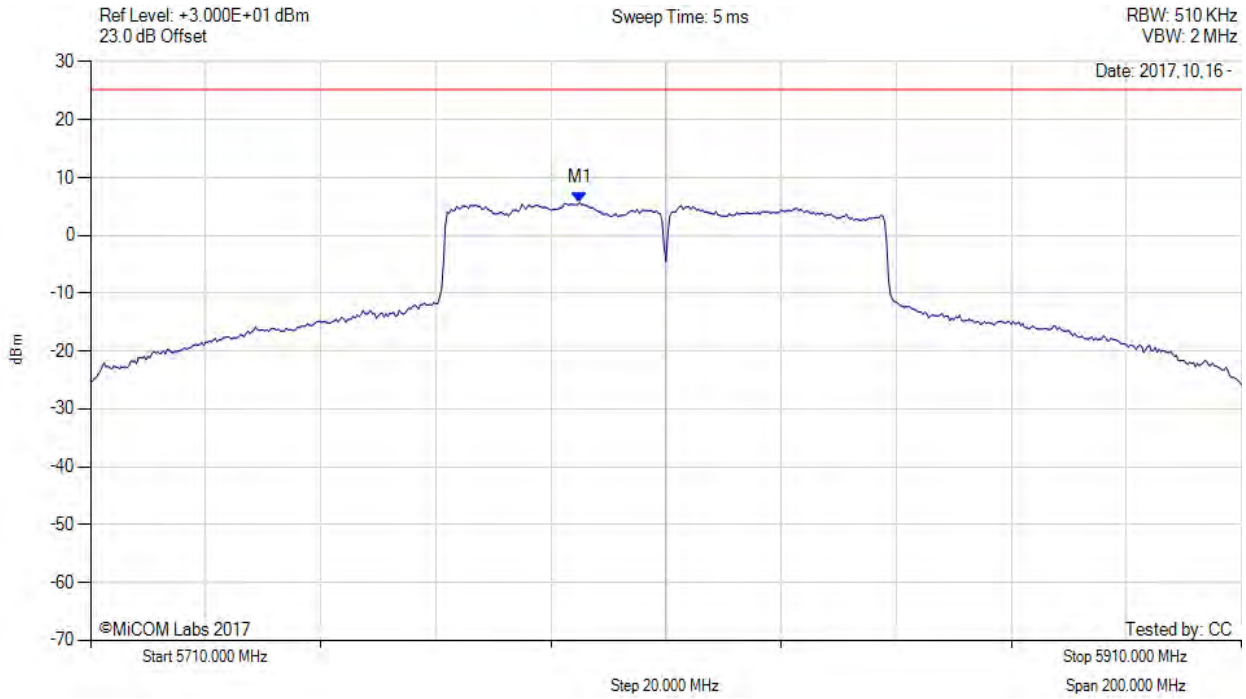



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5785.000 MHz : 5.415 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, Chain c, Temp: 20, Voltage: 55Vdc

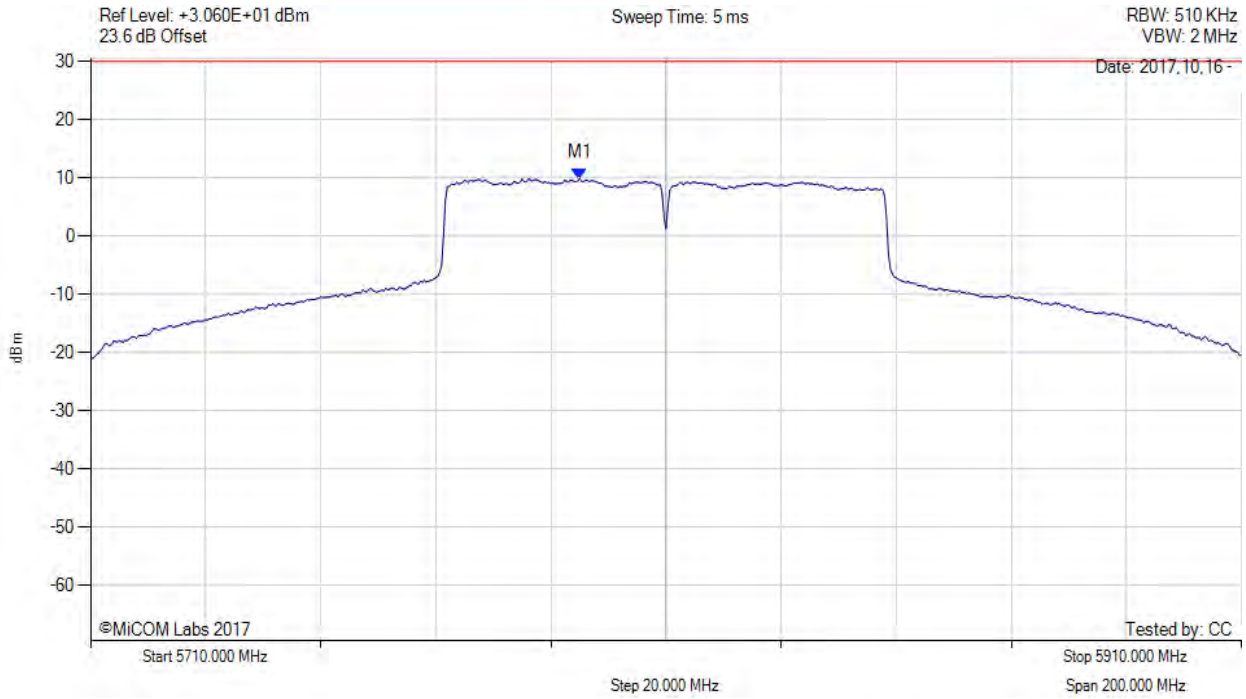



| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5795.000 MHz : 5.655 dBm | Limit: ≤ 25.230 dBm |

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, SUM, Temp: 20, Voltage: 55Vdc




| Analyzer Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = AVER<br>Sweep Count = +100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5795.000 MHz : 9.899 dBm<br>M1 + DCCF : 5795.000 MHz : 9.899 dBm<br>Duty Cycle Correction Factor : +0 dB | Limit: ≤ 30.0 dBm<br>Margin: -20.1 dB |

back to matrix

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