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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TESTING CERT #2381.01

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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.

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(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.

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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.

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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) Port(s)				6 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				6 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				6 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				6 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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*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.

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(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 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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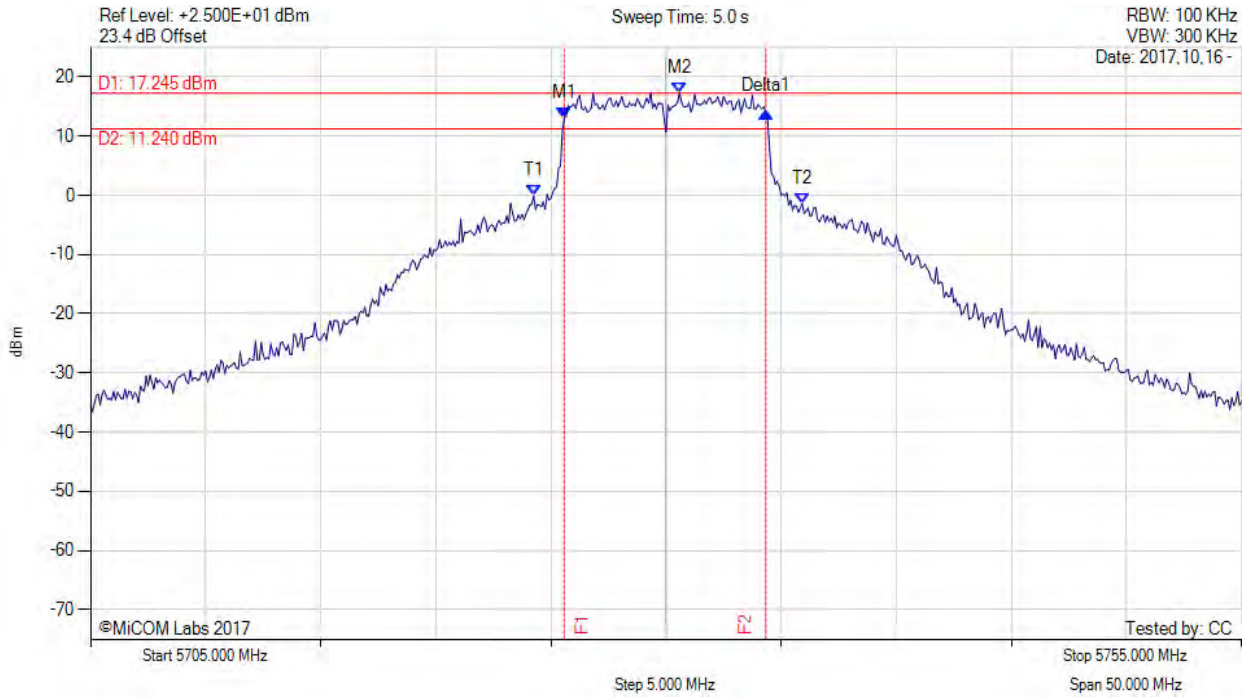
A. APPENDIX - GRAPHICAL IMAGES

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

6 dB & 99% BANDWIDTH

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



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

back to matrix

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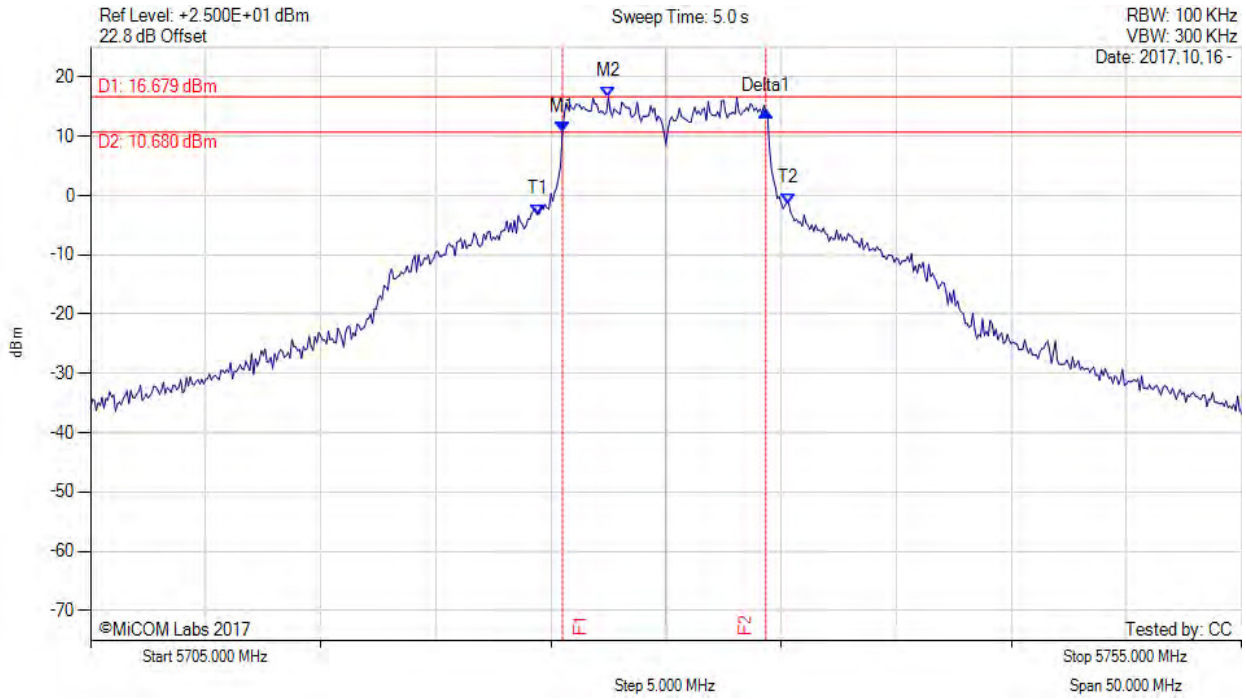
6 dB & 99% BANDWIDTH

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



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

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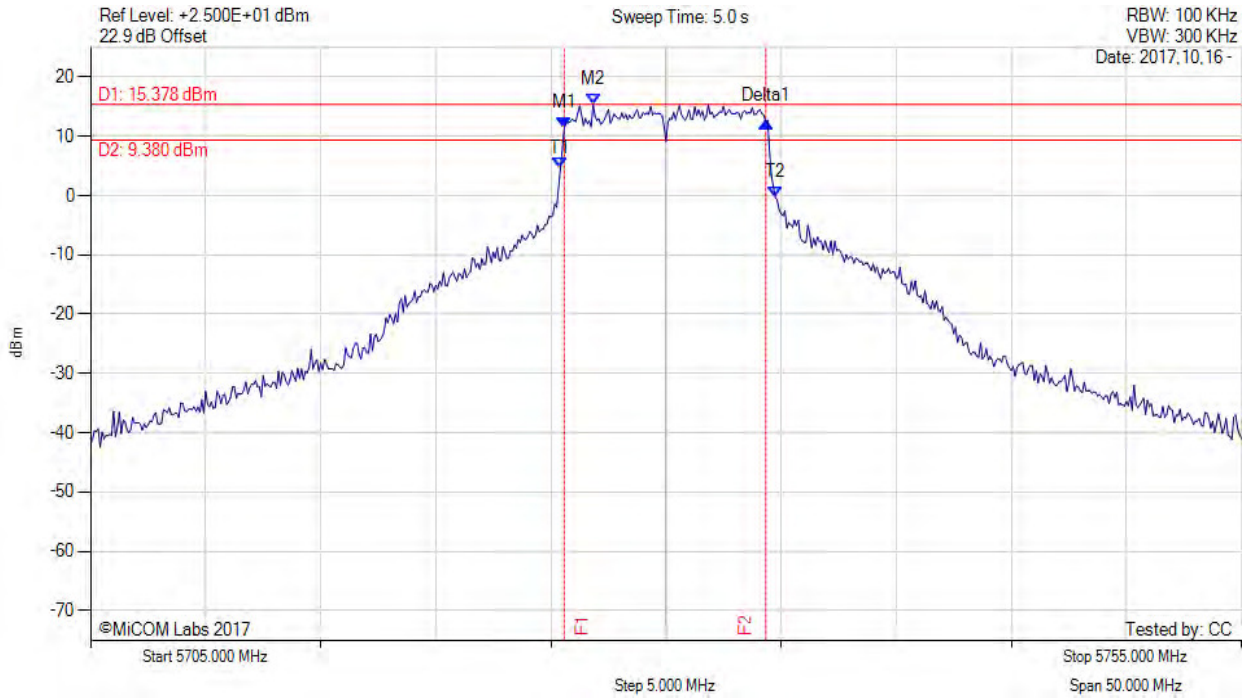
6 dB & 99% BANDWIDTH

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



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

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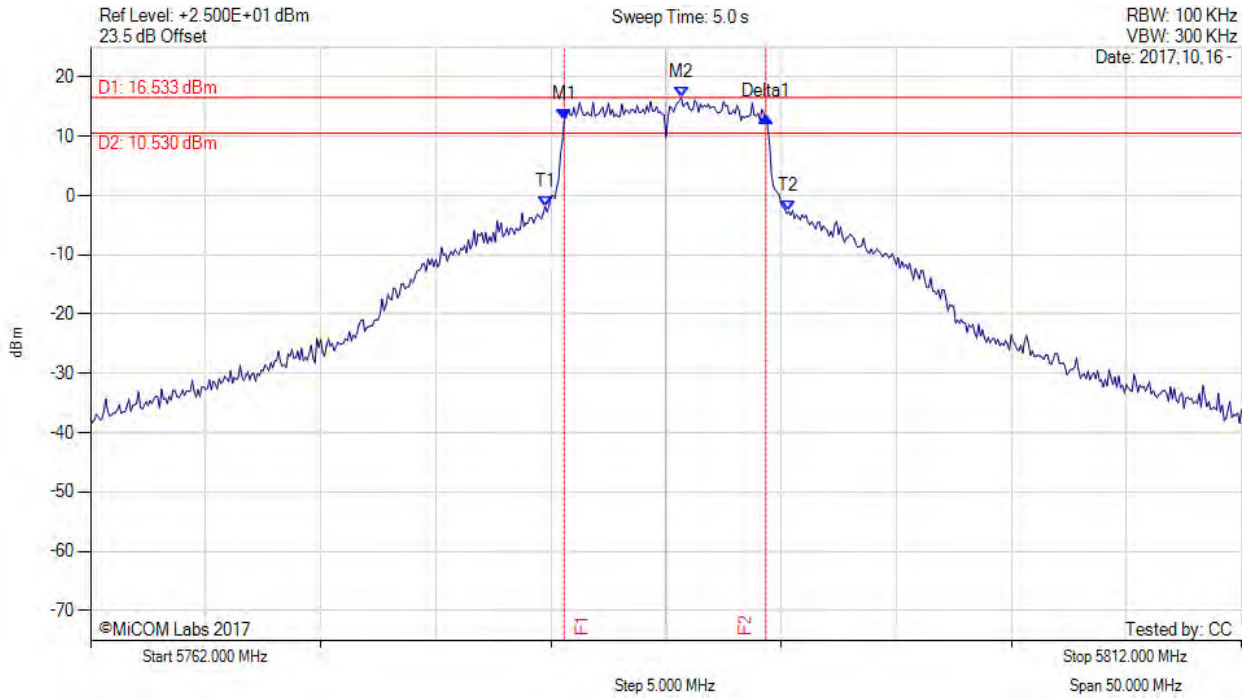
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5782.580 MHz : 12.802 dBm M2 : 5787.670 MHz : 16.533 dBm Delta1 : 8.750 MHz : 0.498 dB T1 : 5781.750 MHz : -1.820 dBm T2 : 5792.333 MHz : -2.691 dBm OBW : 10.560 MHz	Measured 6 dB Bandwidth: 8.750 MHz Measured 99% Bandwidth: 10.560 MHz

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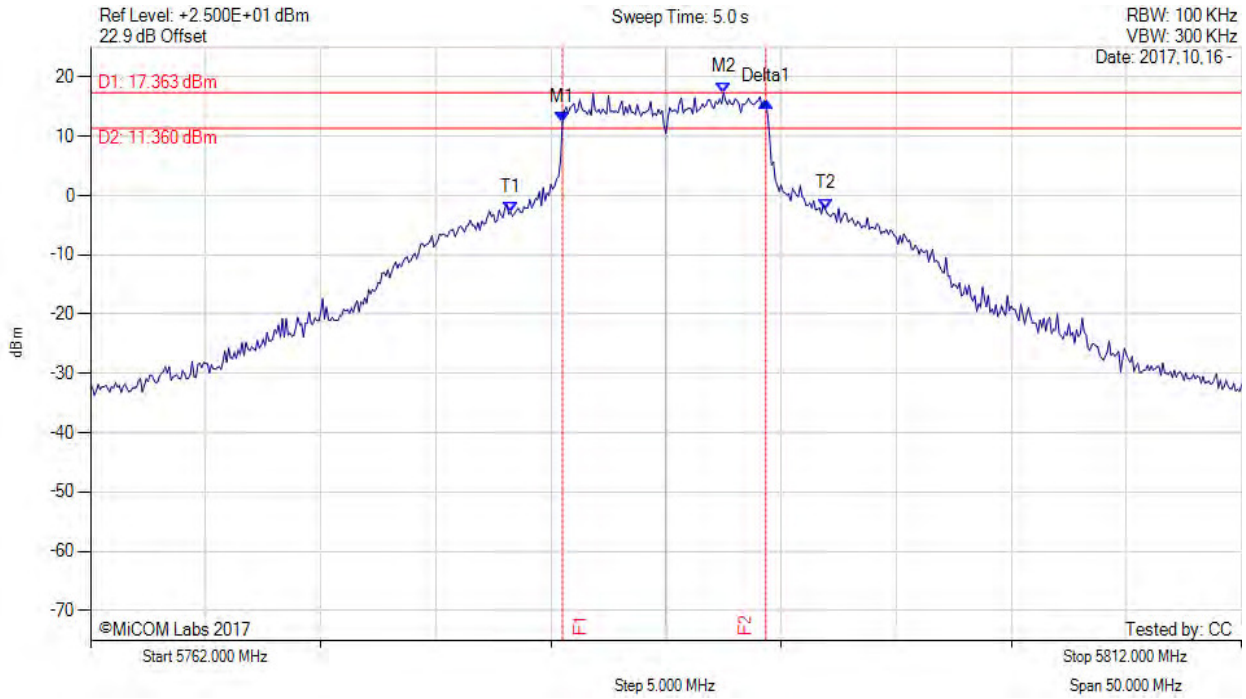
6 dB & 99% BANDWIDTH

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



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

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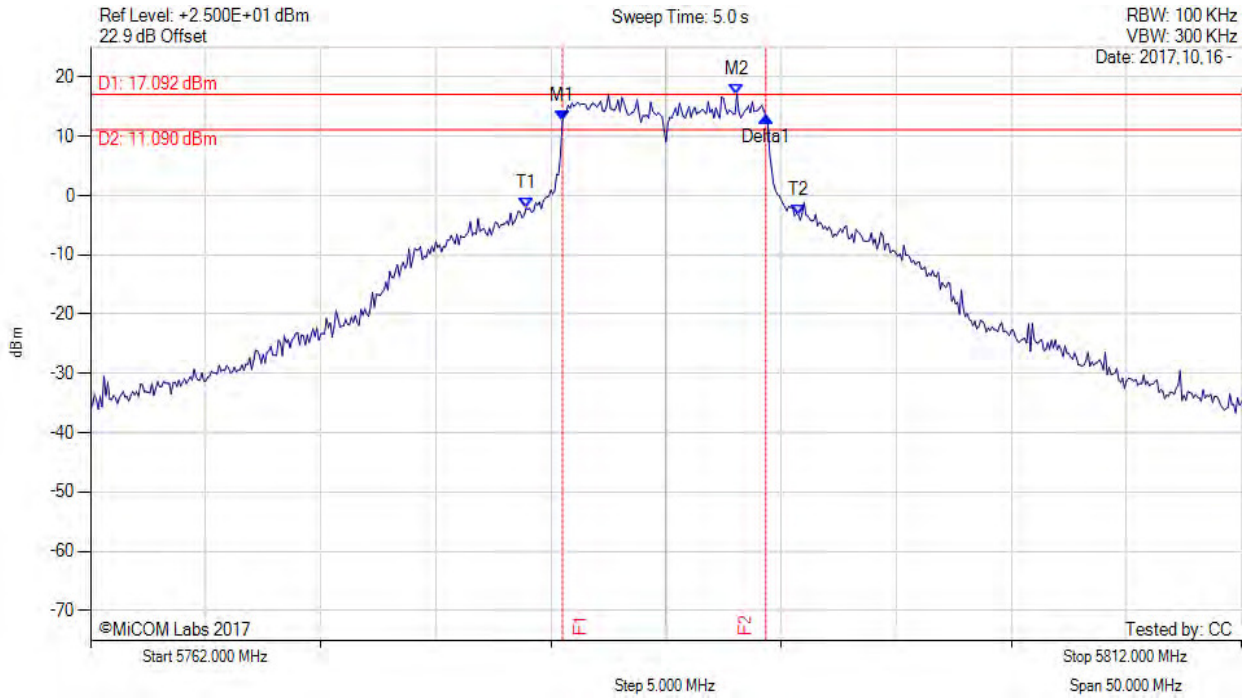
6 dB & 99% BANDWIDTH

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



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

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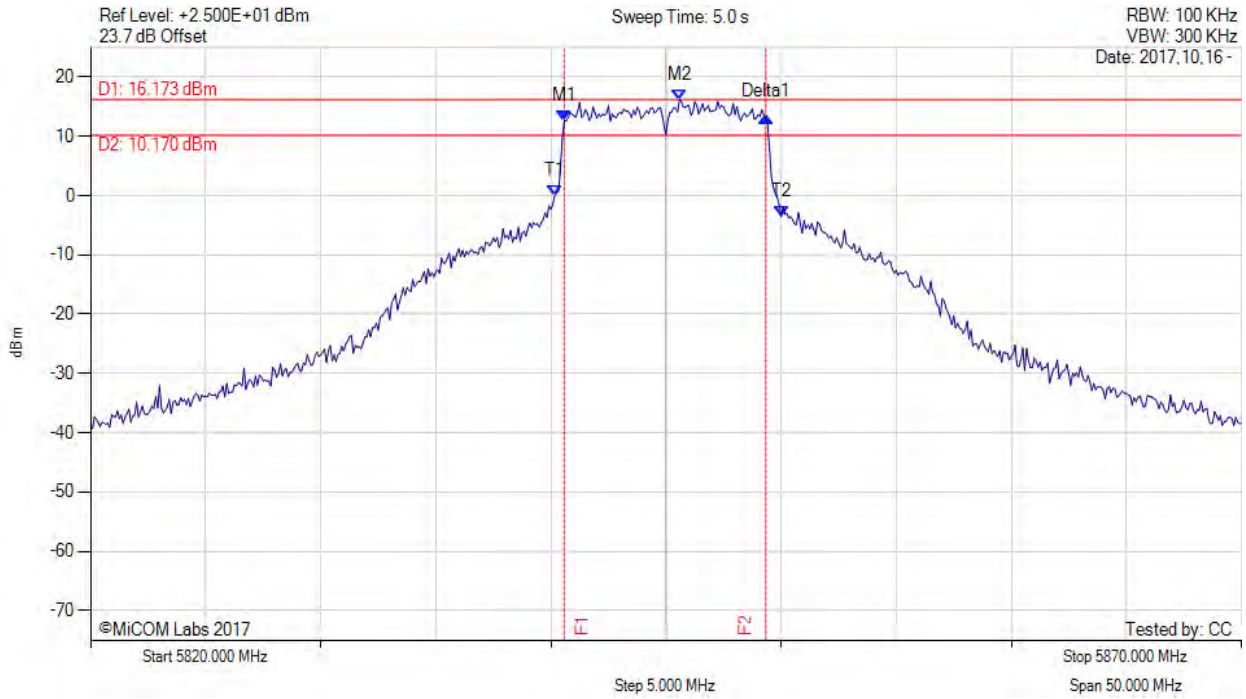
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5840.580 MHz : 12.602 dBm M2 : 5845.580 MHz : 16.173 dBm Delta1 : 8.750 MHz : 0.602 dB T1 : 5840.167 MHz : 0.064 dBm T2 : 5850.000 MHz : -3.530 dBm OBW : 9.798 MHz	Measured 6 dB Bandwidth: 8.750 MHz Measured 99% Bandwidth: 9.798 MHz

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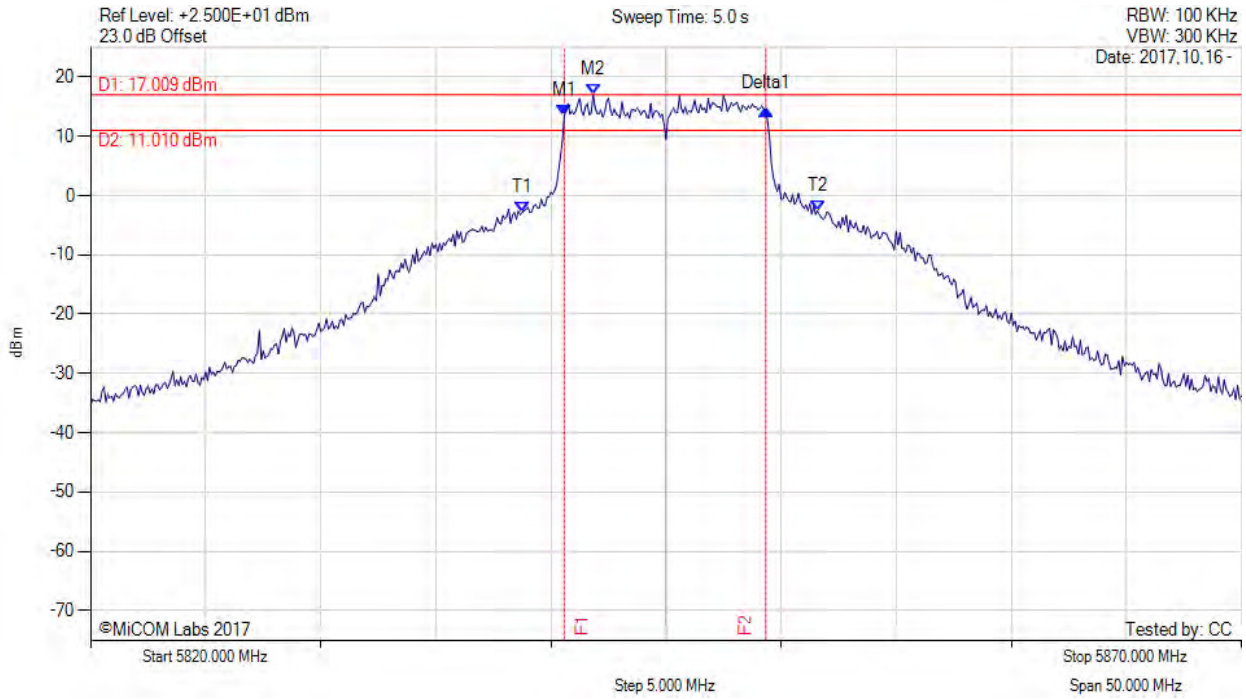
6 dB & 99% BANDWIDTH

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



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

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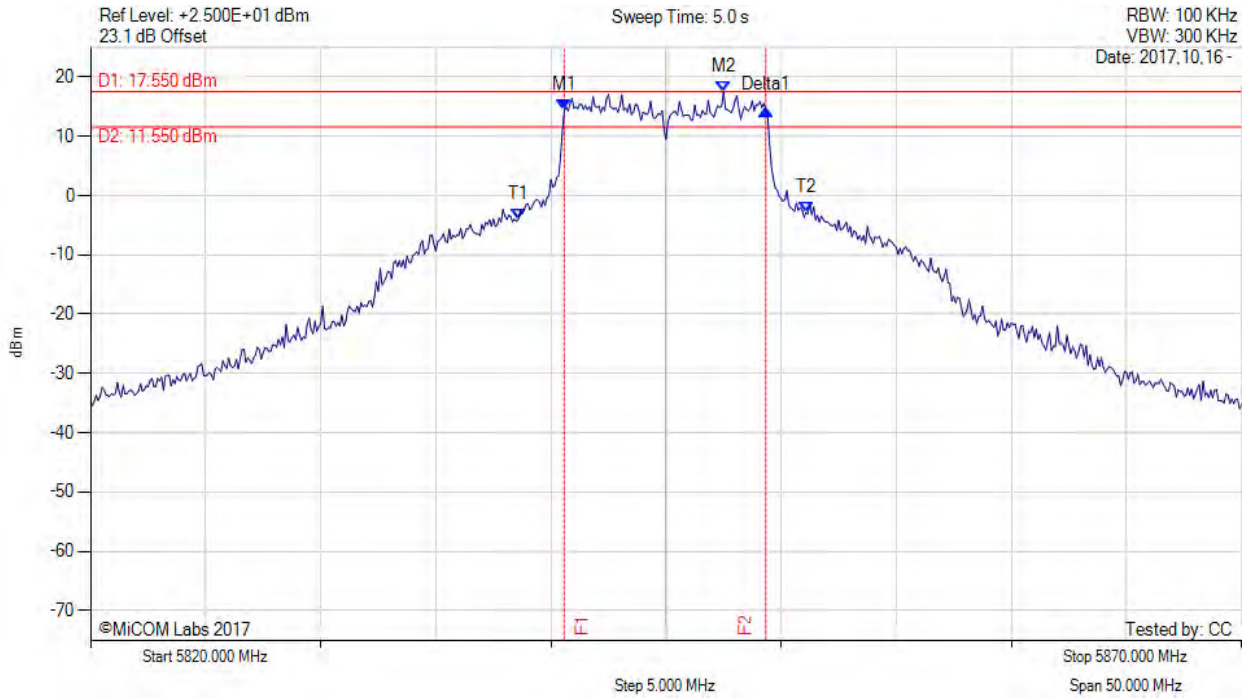
6 dB & 99% BANDWIDTH

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



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

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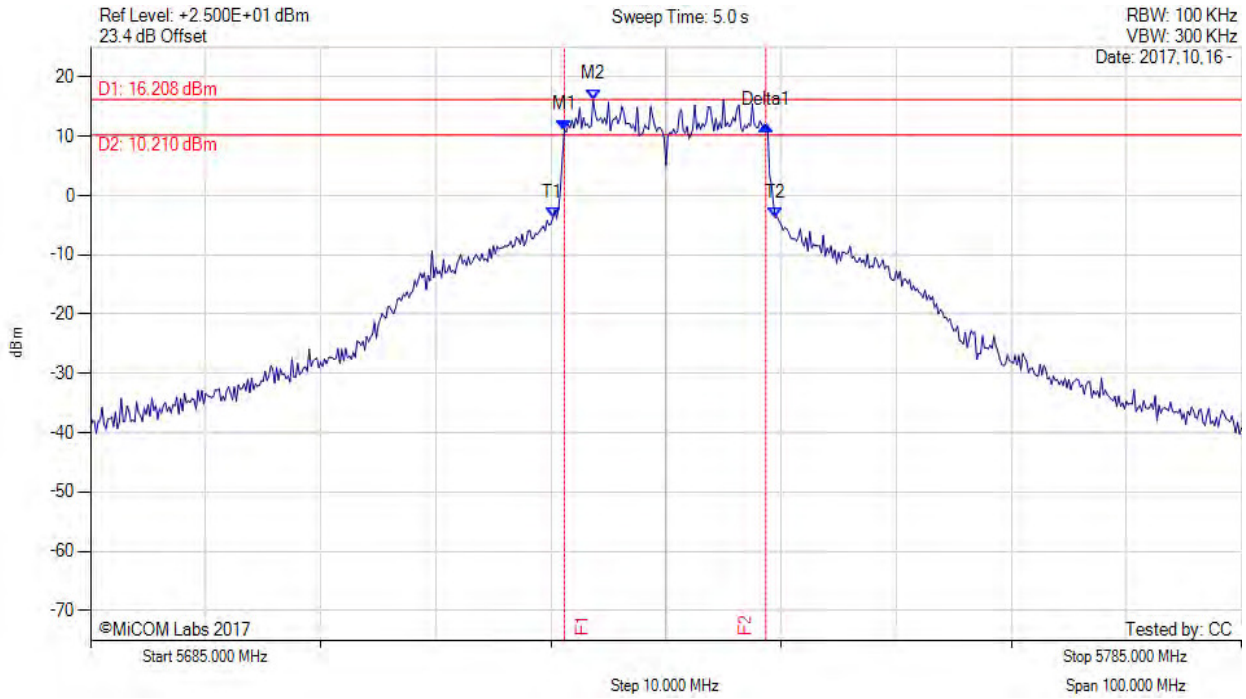
6 dB & 99% BANDWIDTH

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



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

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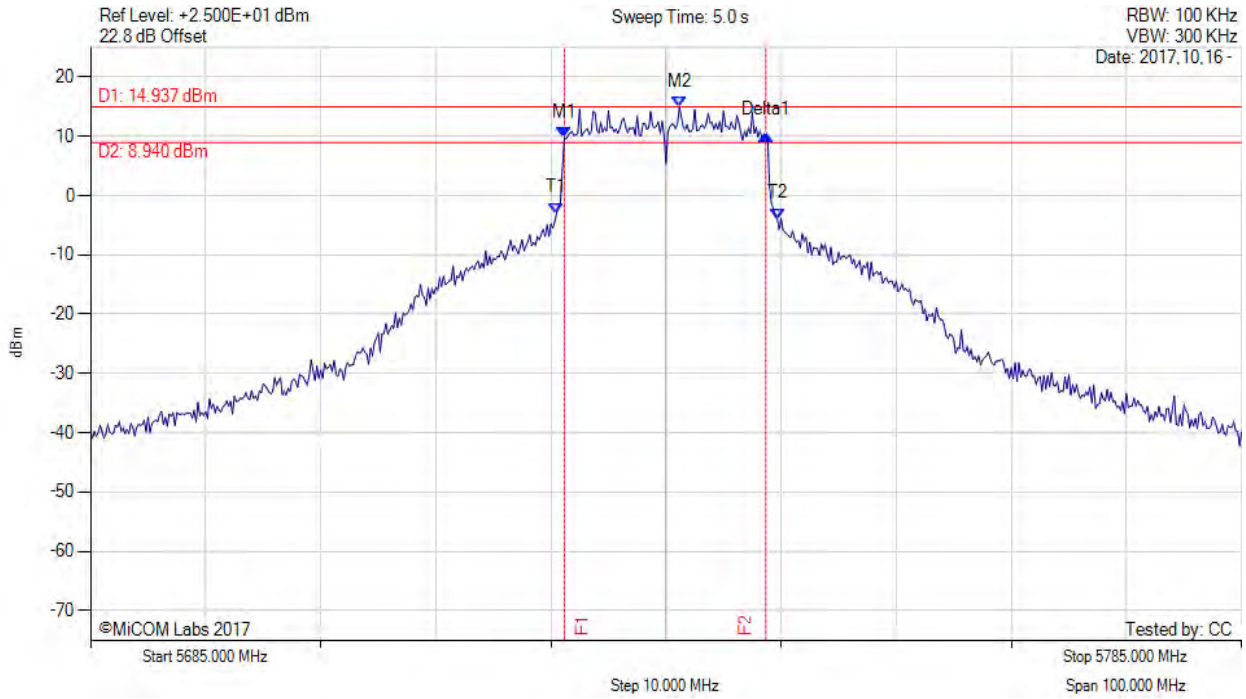
6 dB & 99% BANDWIDTH

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



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

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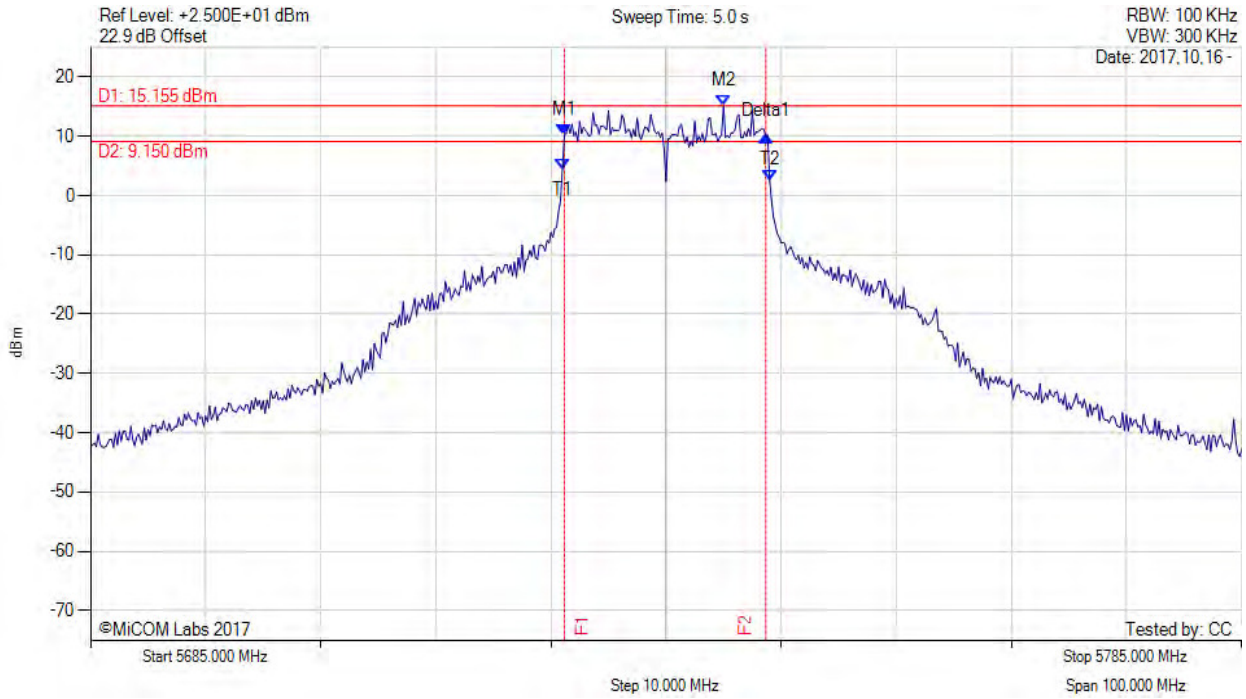
6 dB & 99% BANDWIDTH

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



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

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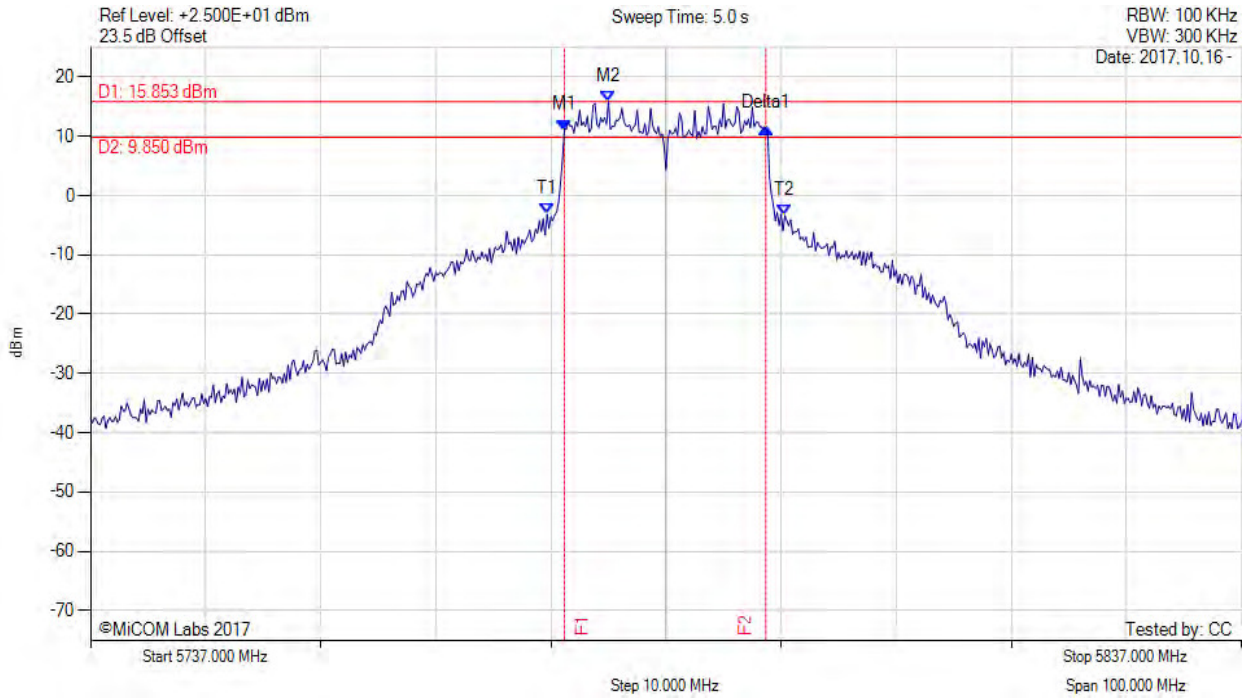
6 dB & 99% BANDWIDTH

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



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

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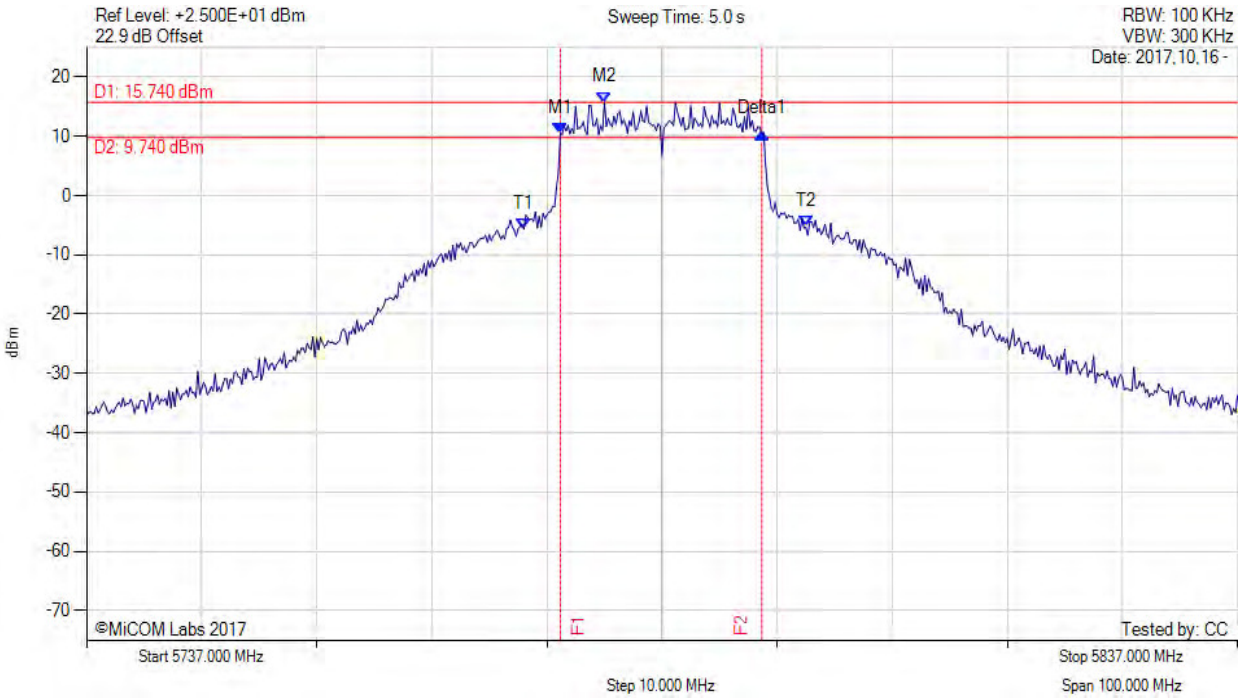
6 dB & 99% BANDWIDTH

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



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

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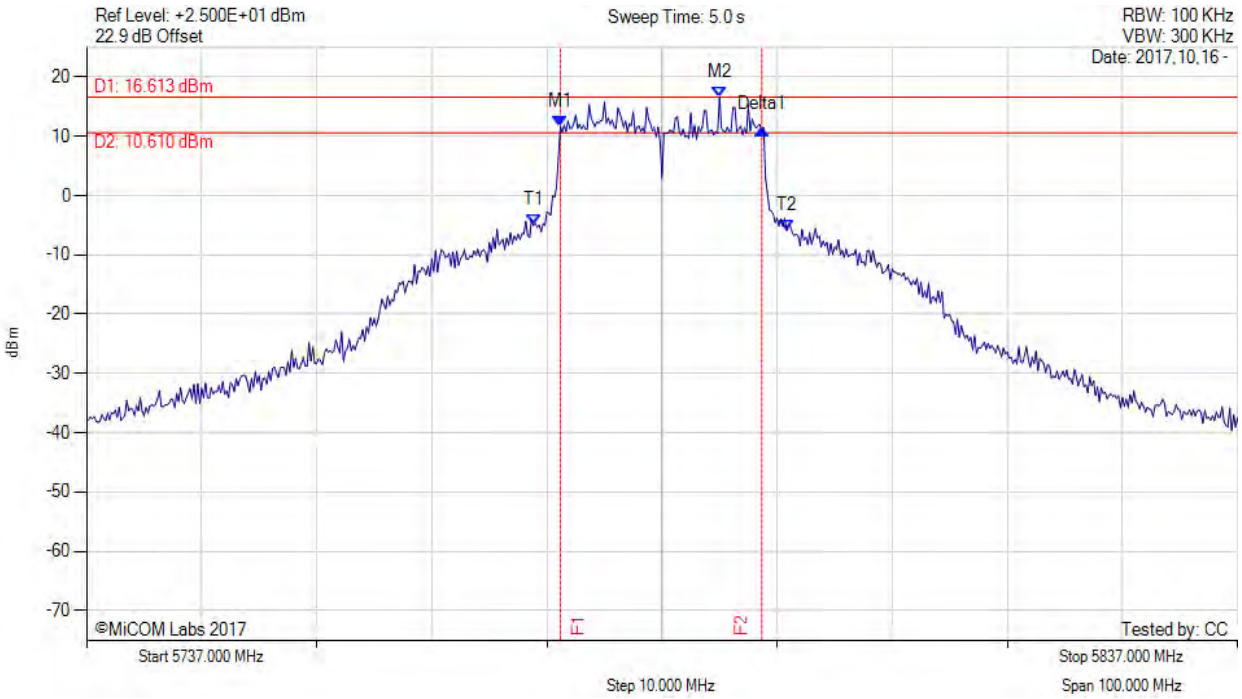
6 dB & 99% BANDWIDTH

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



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

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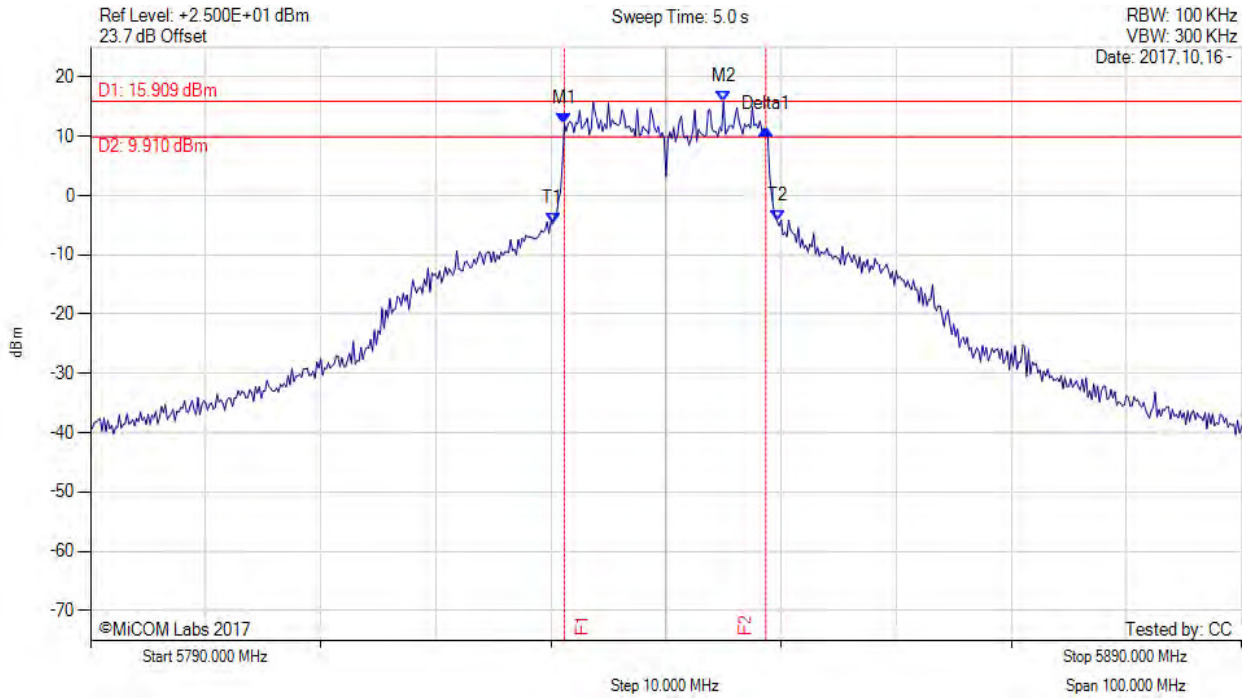
6 dB & 99% BANDWIDTH

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



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

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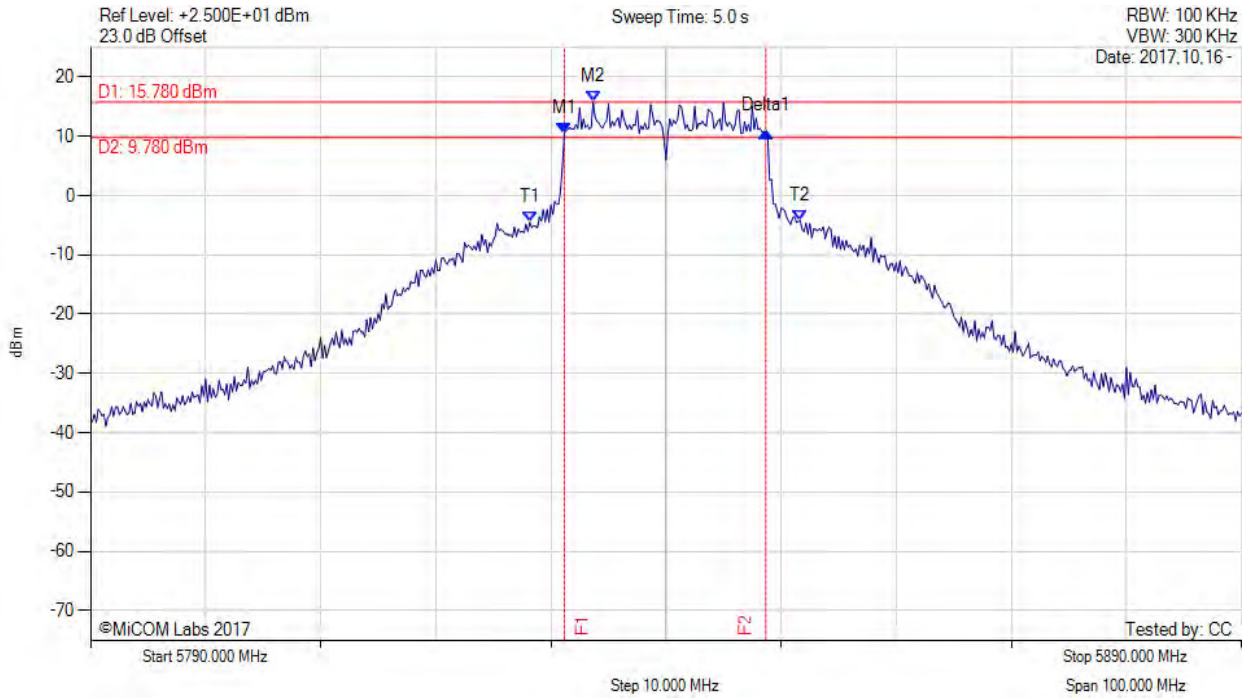
6 dB & 99% BANDWIDTH

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



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

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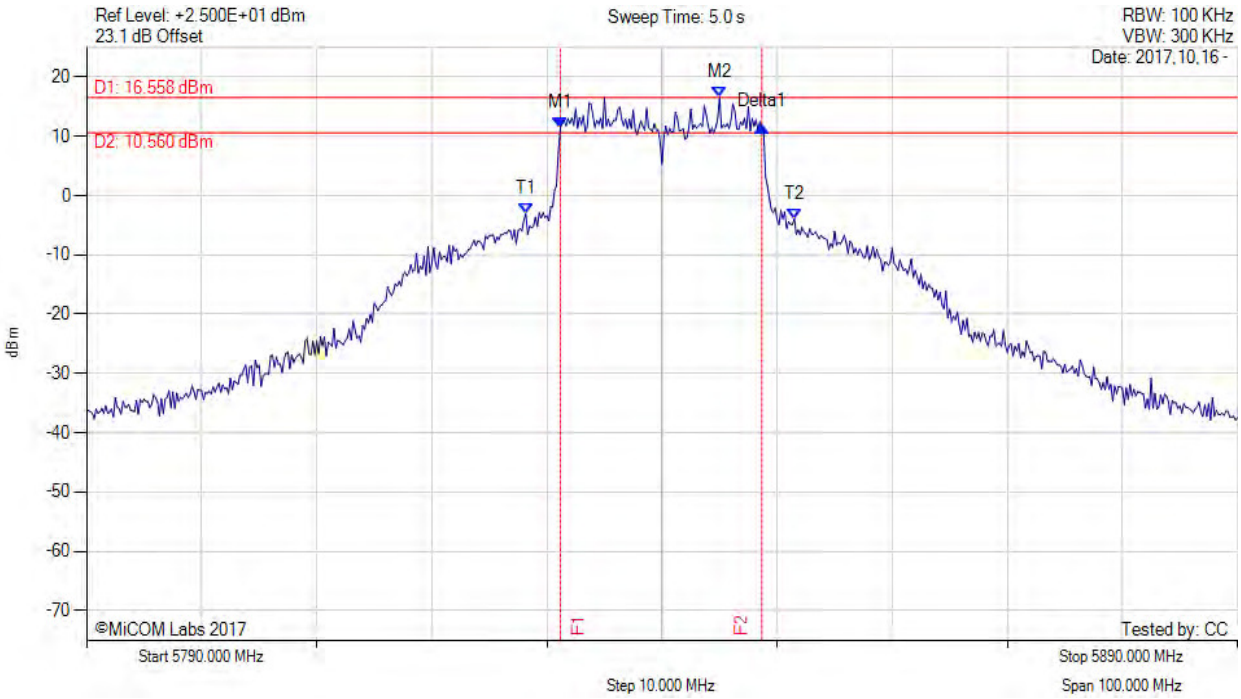
6 dB & 99% BANDWIDTH

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



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

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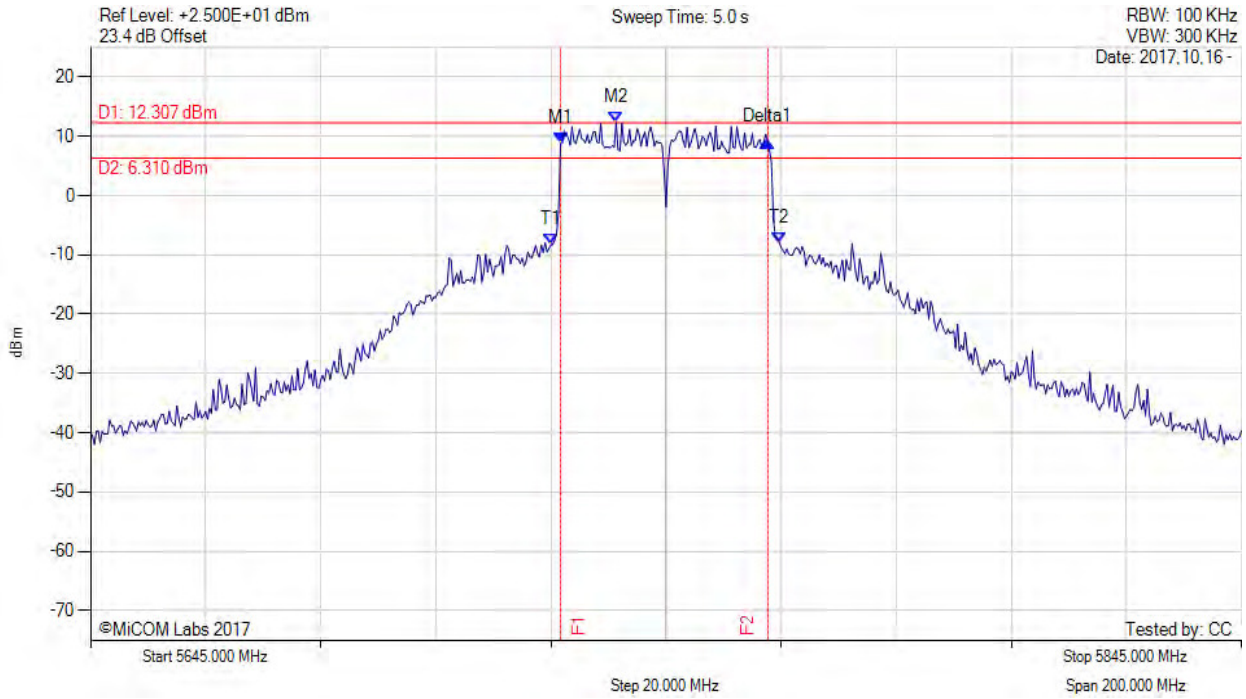
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5726.700 MHz : 8.759 dBm M2 : 5736.300 MHz : 12.307 dBm Delta1 : 36.000 MHz : 0.310 dB T1 : 5725.000 MHz : -8.268 dBm T2 : 5764.667 MHz : -7.884 dBm OBW : 39.586 MHz	Measured 6 dB Bandwidth: 36.000 MHz Measured 99% Bandwidth: 39.586 MHz

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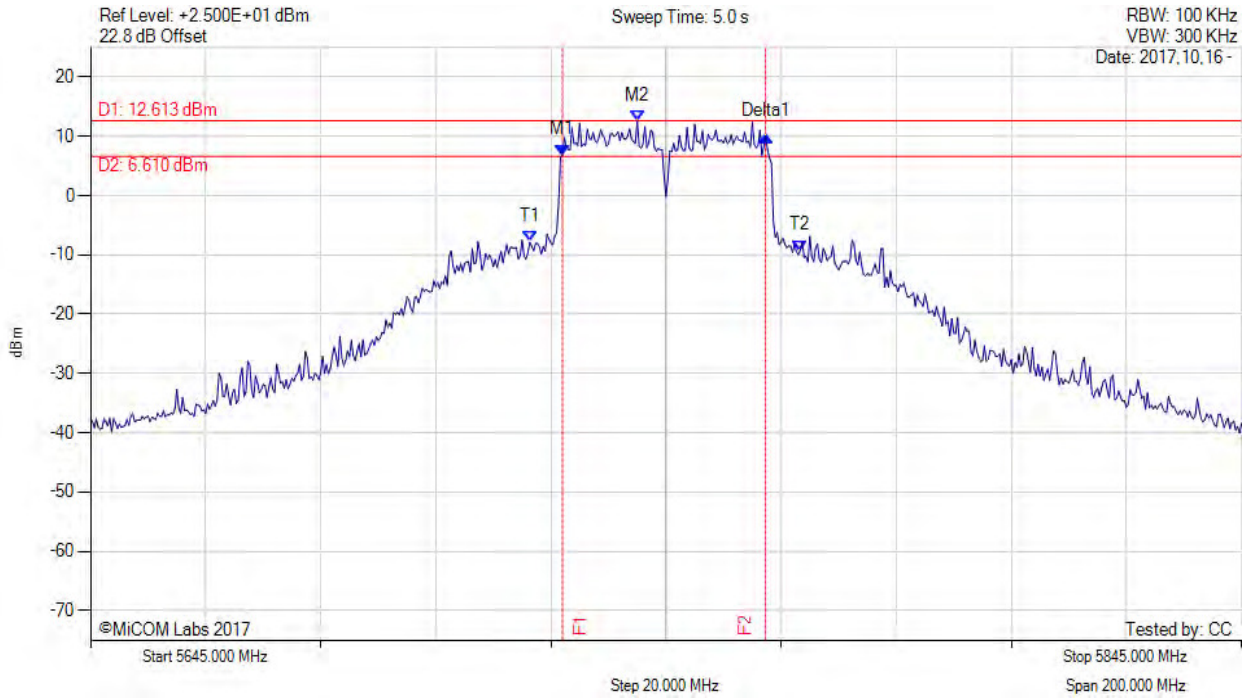
6 dB & 99% BANDWIDTH

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



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

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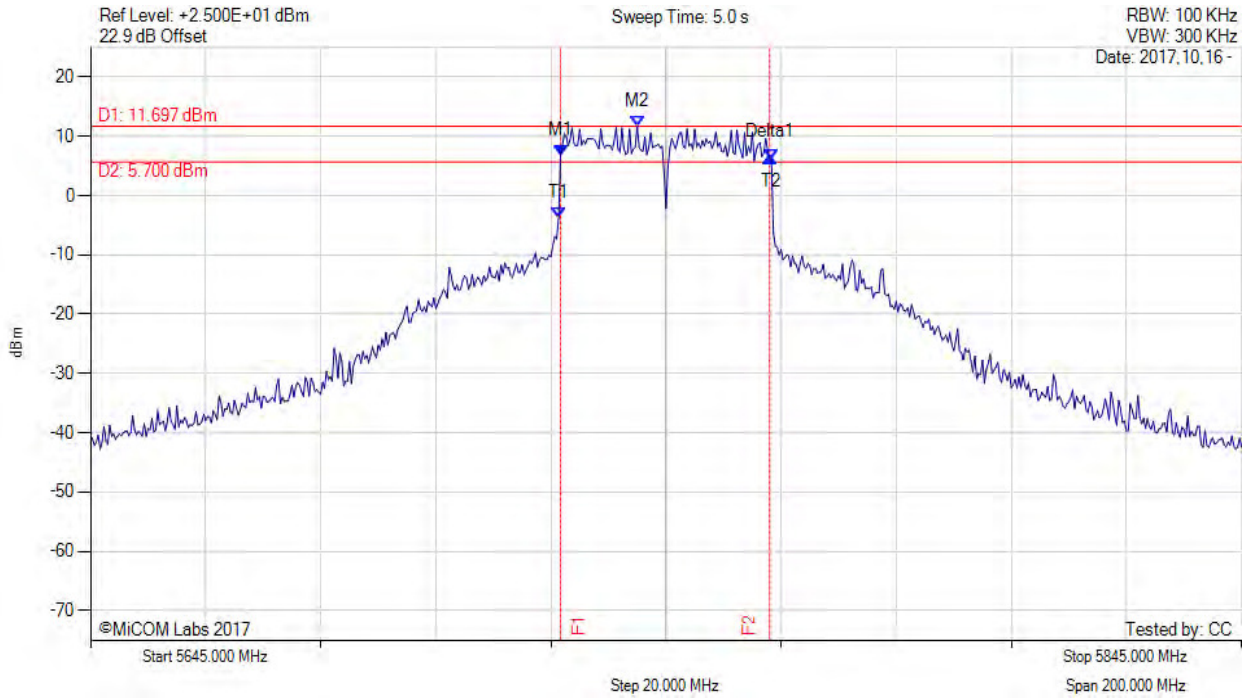
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5726.700 MHz : 6.706 dBm M2 : 5740.000 MHz : 11.697 dBm Delta1 : 36.300 MHz : -0.199 dB T1 : 5726.333 MHz : -3.855 dBm T2 : 5763.333 MHz : 5.940 dBm OBW : 37.004 MHz	Measured 6 dB Bandwidth: 36.300 MHz Measured 99% Bandwidth: 37.004 MHz

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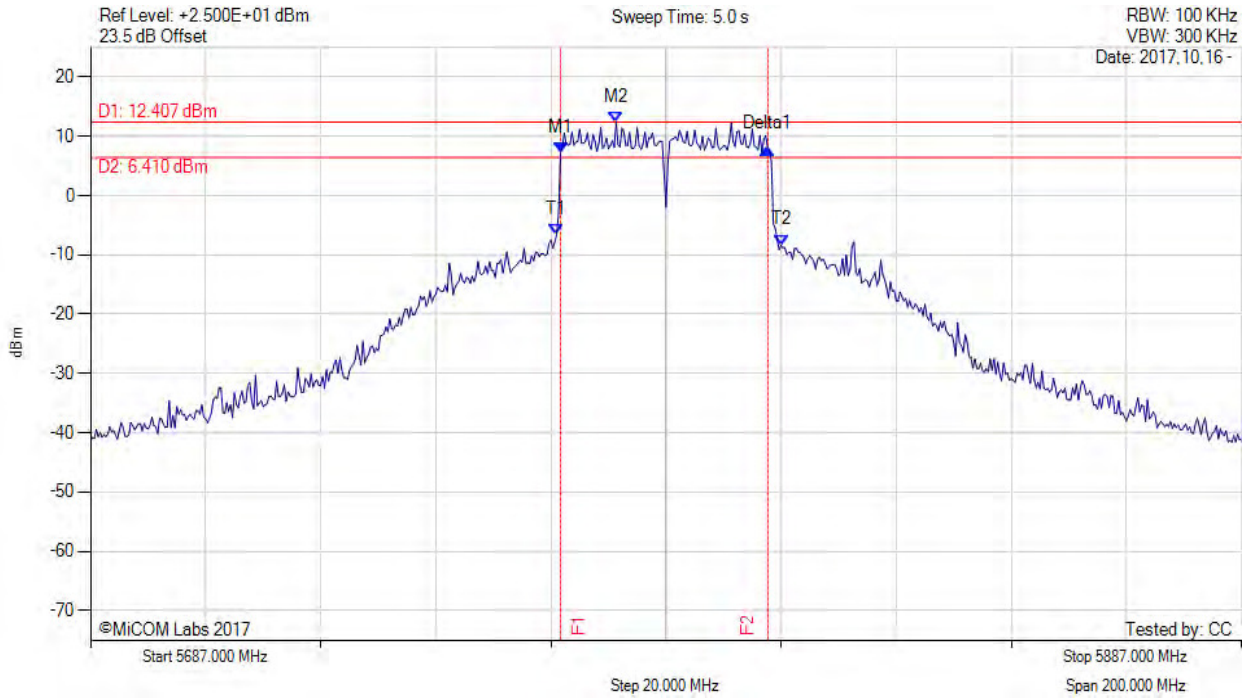
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5768.700 MHz : 7.272 dBm M2 : 5778.300 MHz : 12.407 dBm Delta1 : 36.000 MHz : 0.669 dB T1 : 5768.000 MHz : -6.512 dBm T2 : 5807.000 MHz : -8.339 dBm OBW : 39.115 MHz	Measured 6 dB Bandwidth: 36.000 MHz Measured 99% Bandwidth: 39.115 MHz

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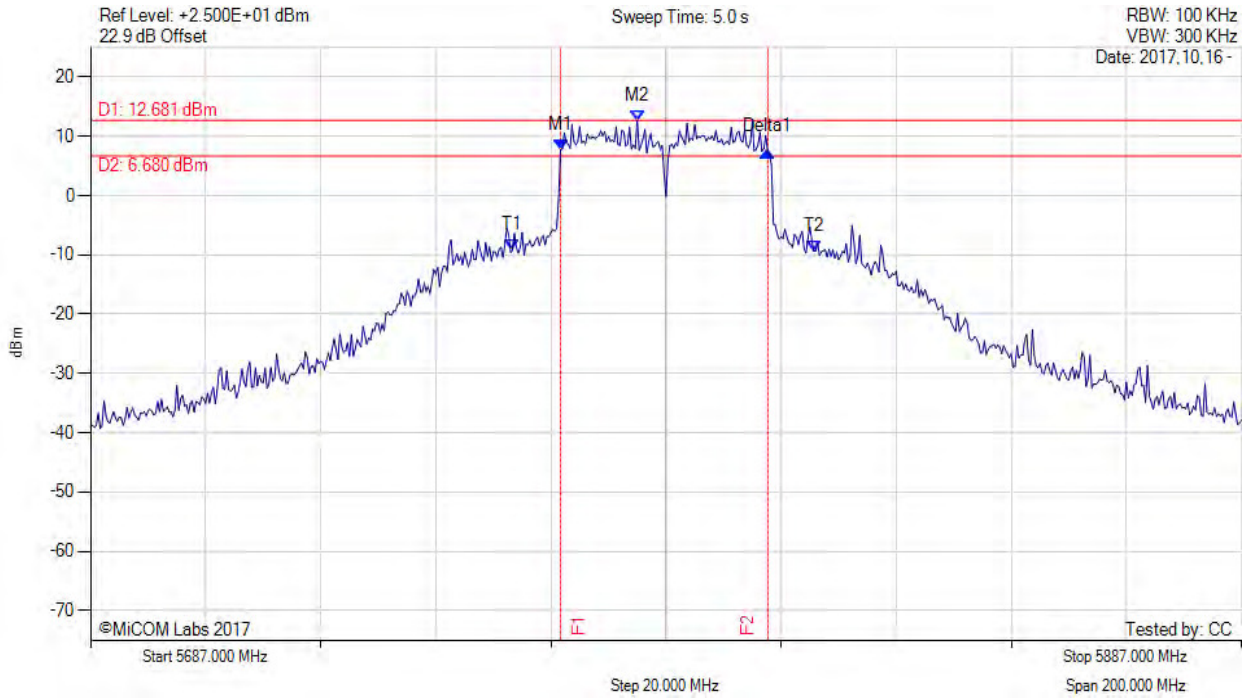
6 dB & 99% BANDWIDTH

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



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

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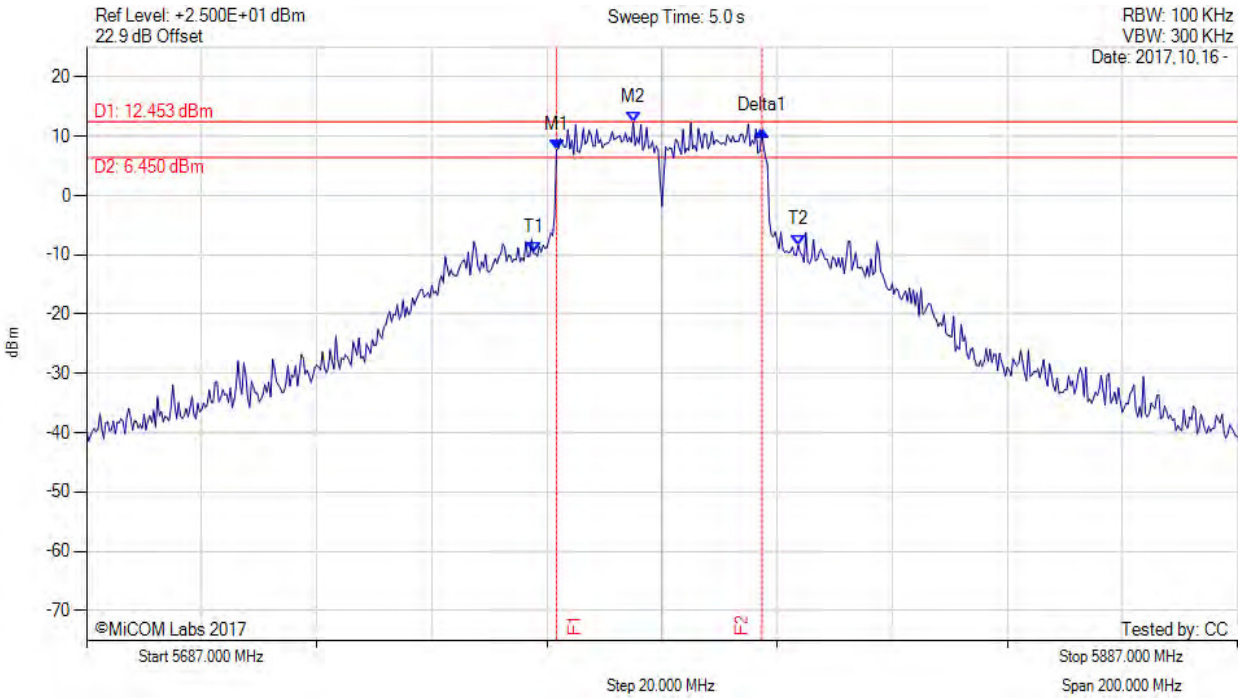
6 dB & 99% BANDWIDTH

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



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

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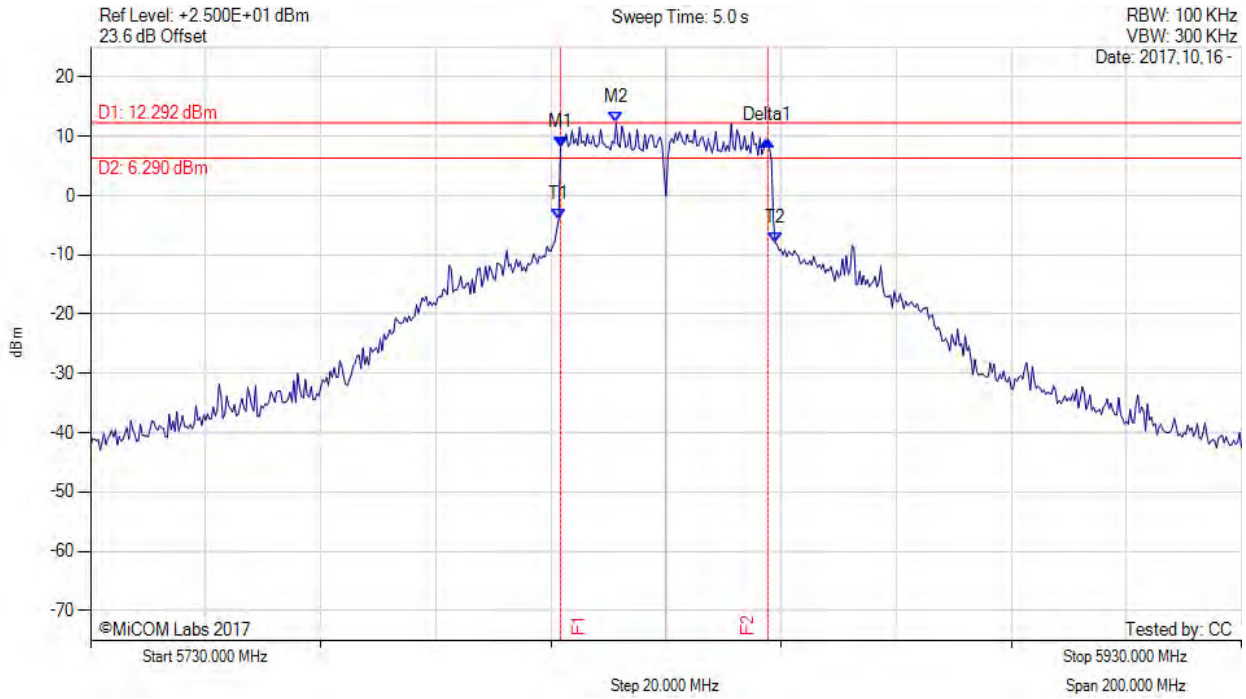
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5811.700 MHz : 8.057 dBm M2 : 5821.300 MHz : 12.292 dBm Delta1 : 36.000 MHz : 1.253 dB T1 : 5811.333 MHz : -4.075 dBm T2 : 5849.000 MHz : -8.022 dBm OBW : 37.571 MHz	Measured 6 dB Bandwidth: 36.000 MHz Measured 99% Bandwidth: 37.571 MHz

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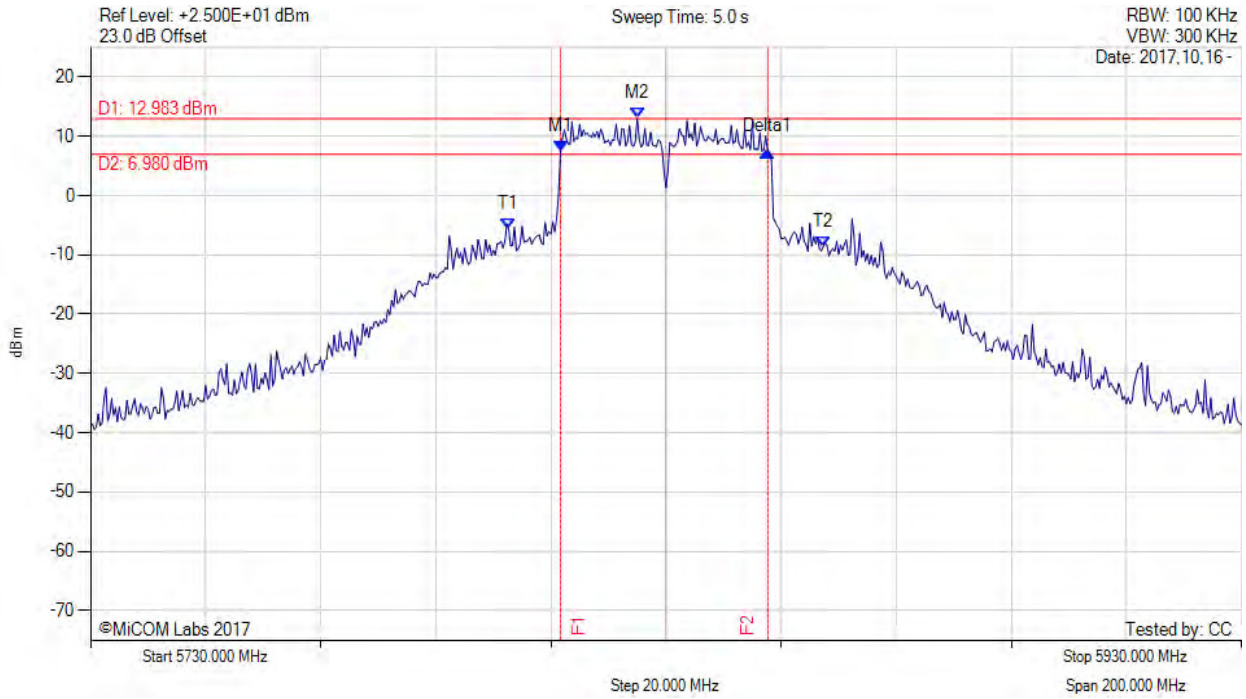
6 dB & 99% BANDWIDTH

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



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

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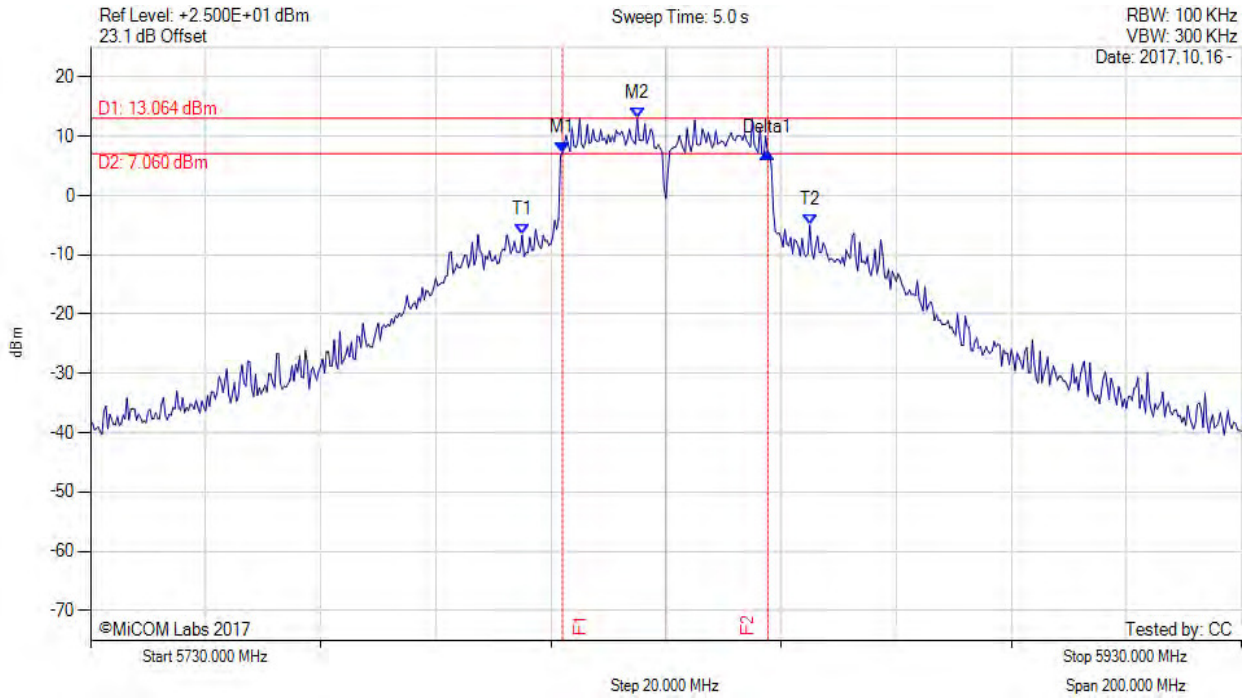
6 dB & 99% BANDWIDTH

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



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

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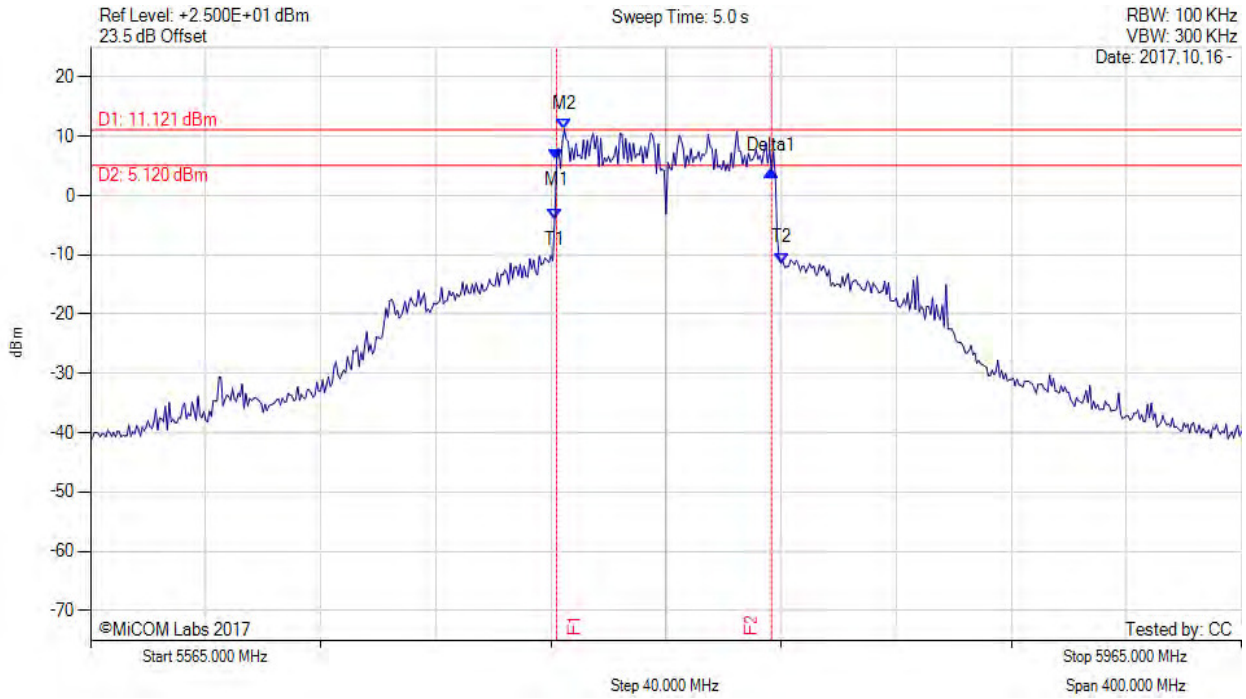
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAXH	M1 : 5727.000 MHz : 6.102 dBm M2 : 5729.700 MHz : 11.121 dBm Delta1 : 74.700 MHz : -1.984 dB T1 : 5726.333 MHz : -3.902 dBm T2 : 5805.000 MHz : -11.368 dBm OBW : 78.878 MHz	Measured 6 dB Bandwidth: 74.700 MHz Measured 99% Bandwidth: 78.878 MHz

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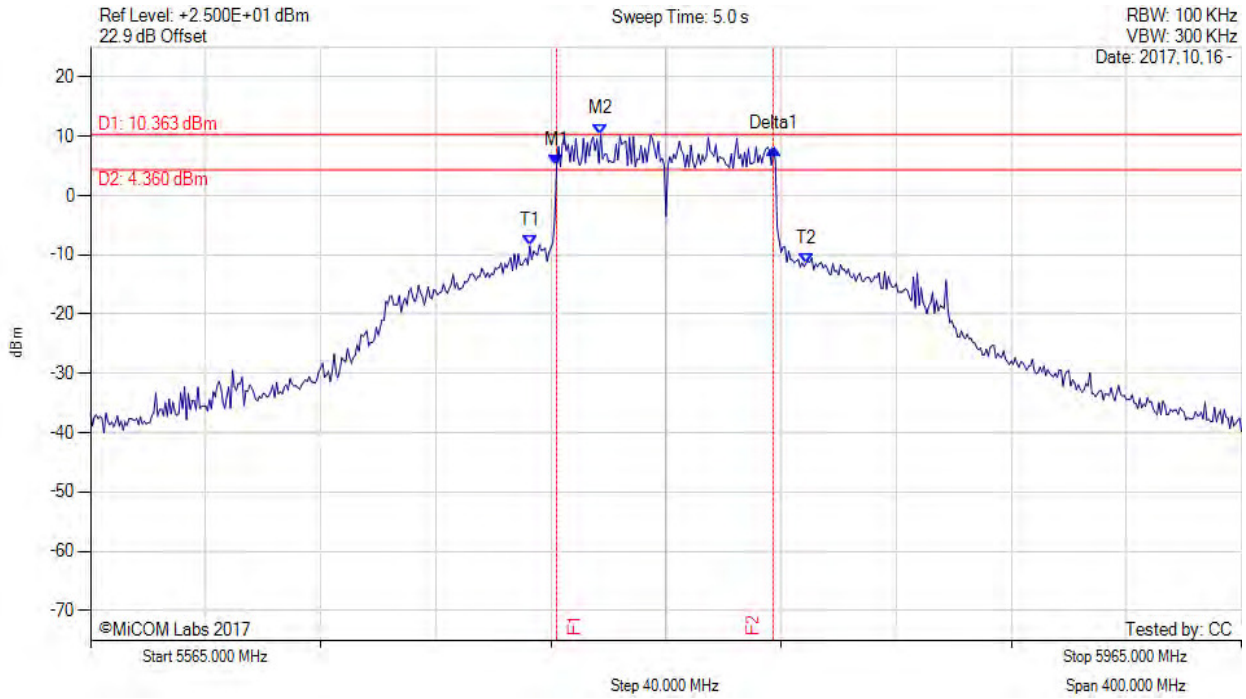
6 dB & 99% BANDWIDTH

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



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

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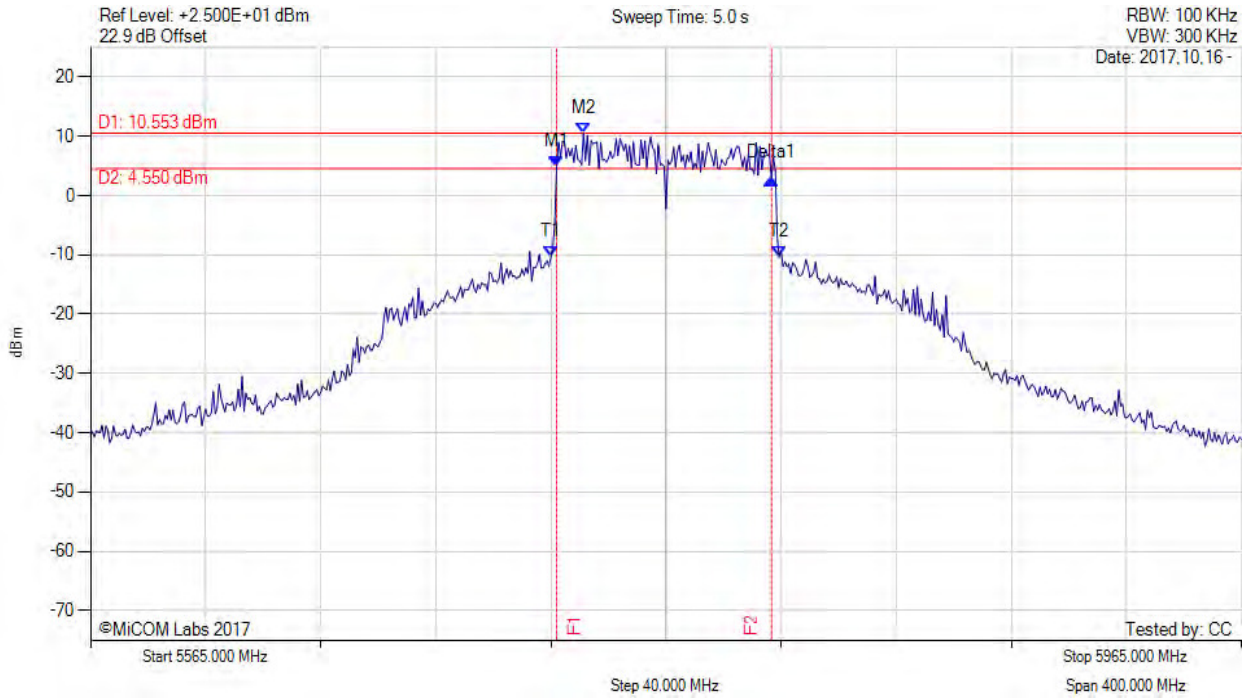
6 dB & 99% BANDWIDTH

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



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

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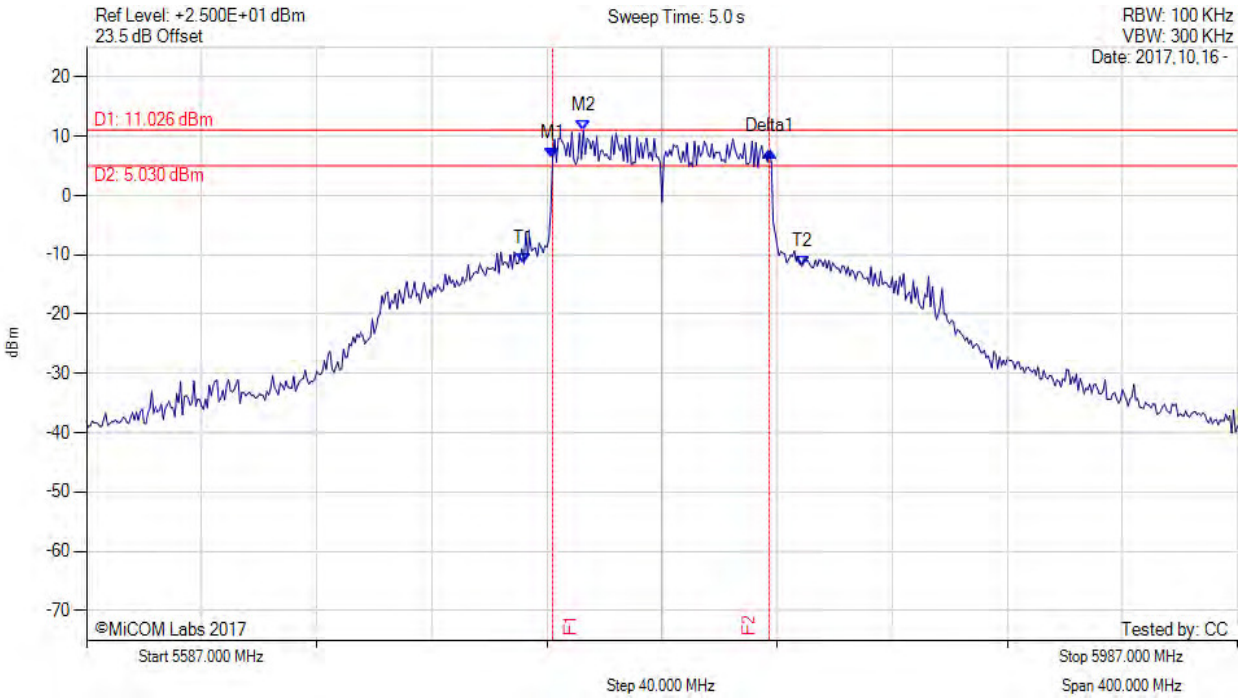
6 dB & 99% BANDWIDTH

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



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

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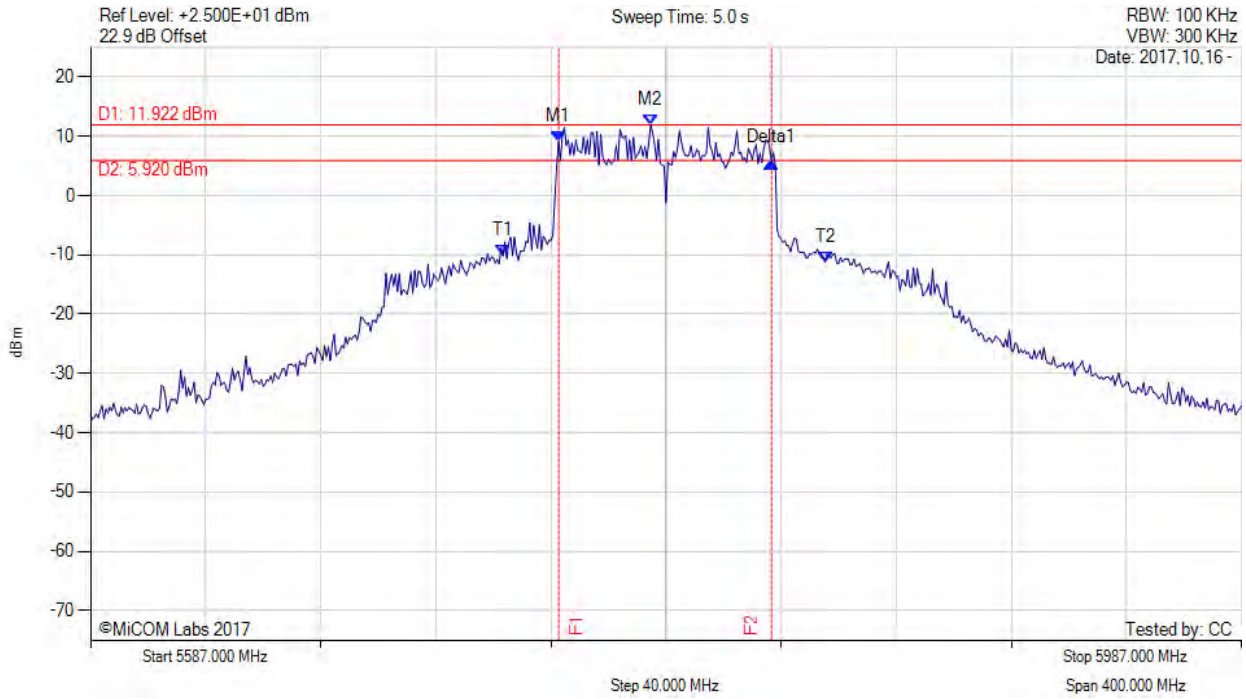
6 dB & 99% BANDWIDTH

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



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

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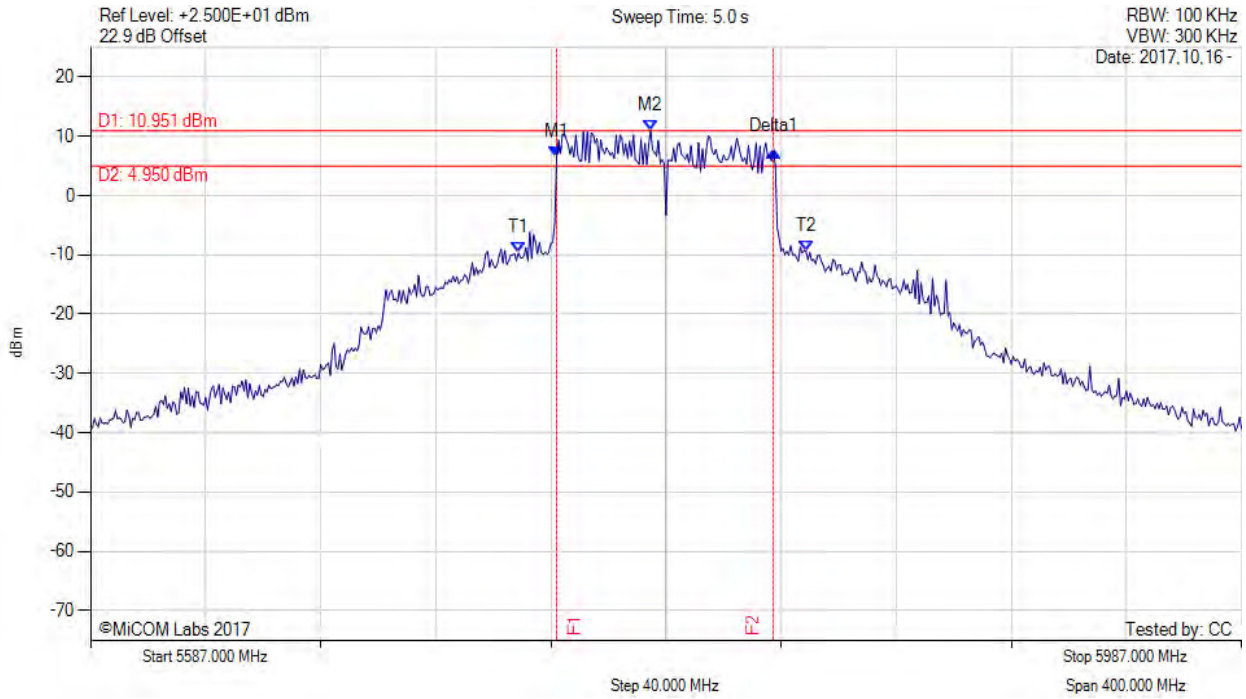
6 dB & 99% BANDWIDTH

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



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

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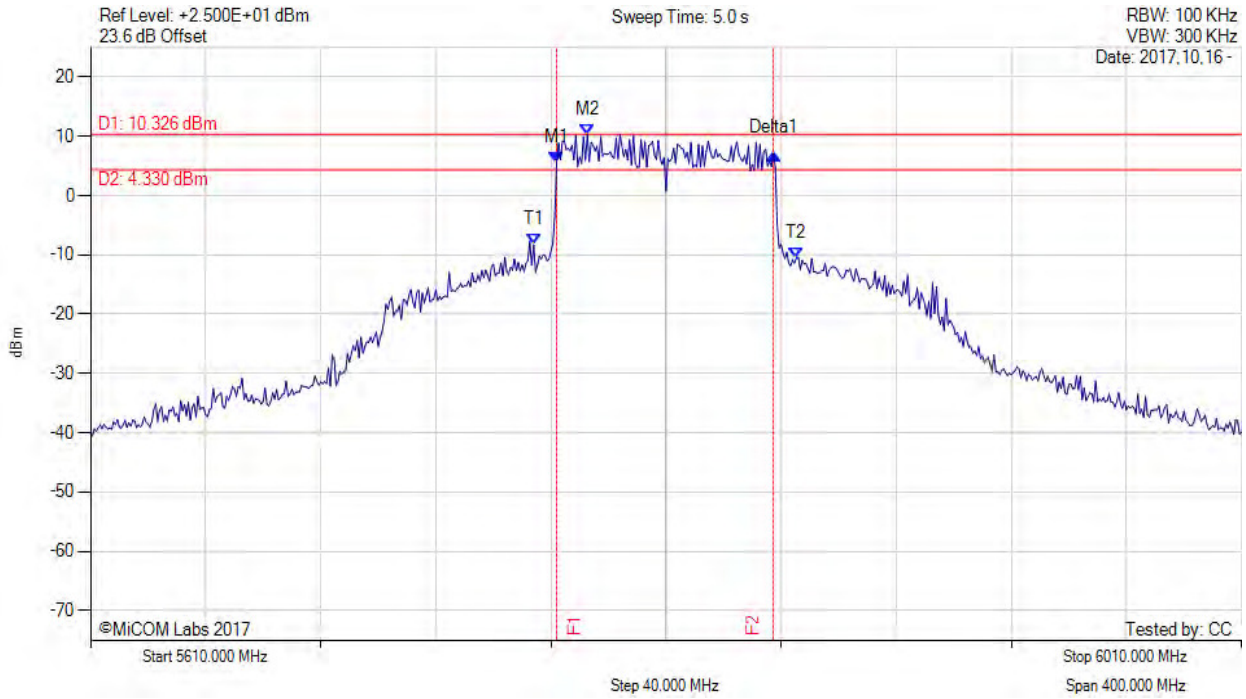
6 dB & 99% BANDWIDTH

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



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

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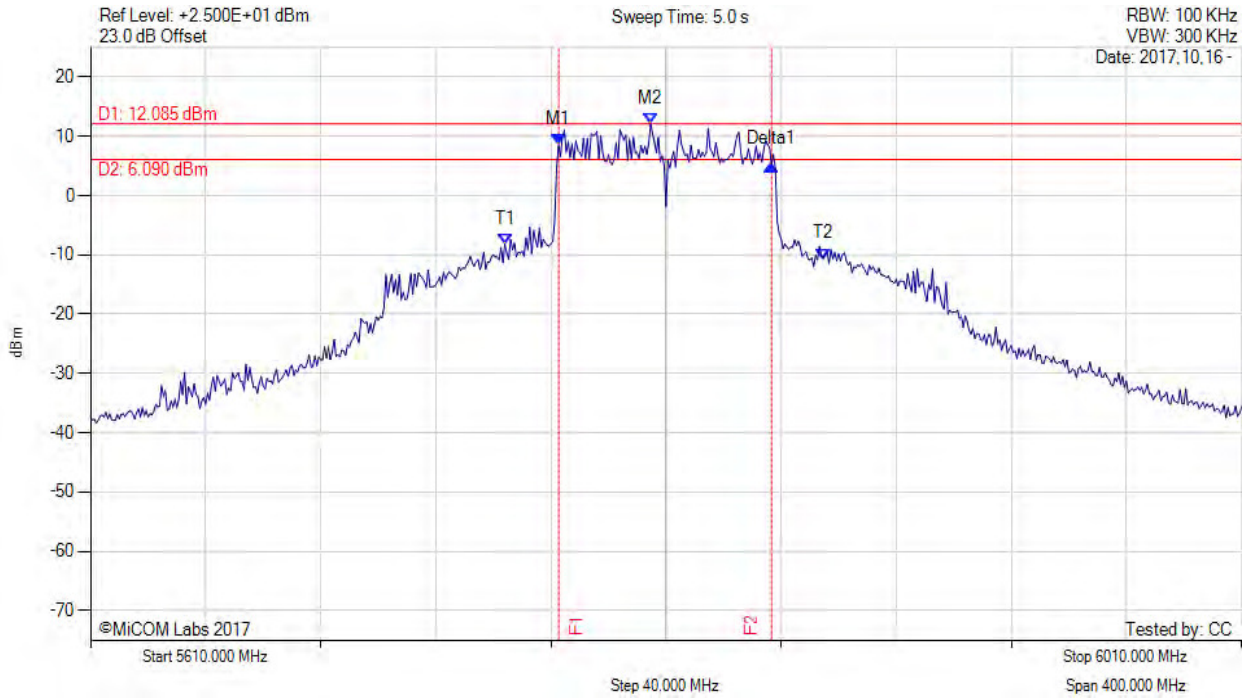
6 dB & 99% BANDWIDTH

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



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

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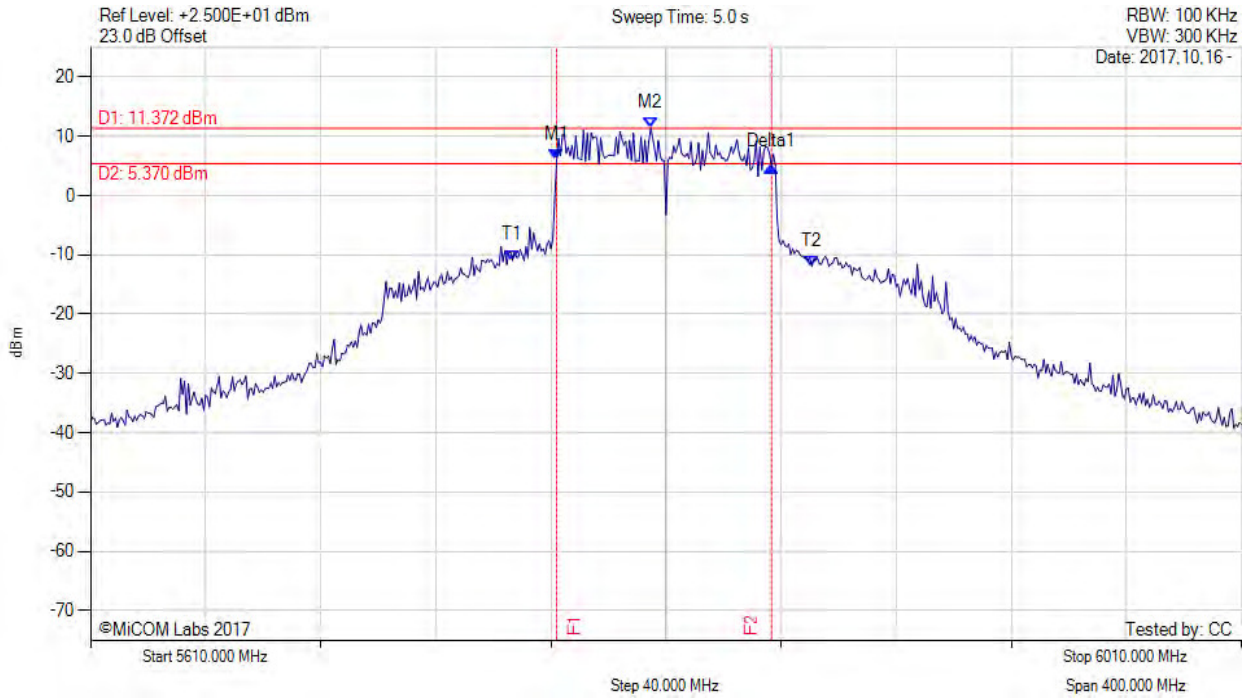
6 dB & 99% BANDWIDTH

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



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

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A.2. Power Spectral Density

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

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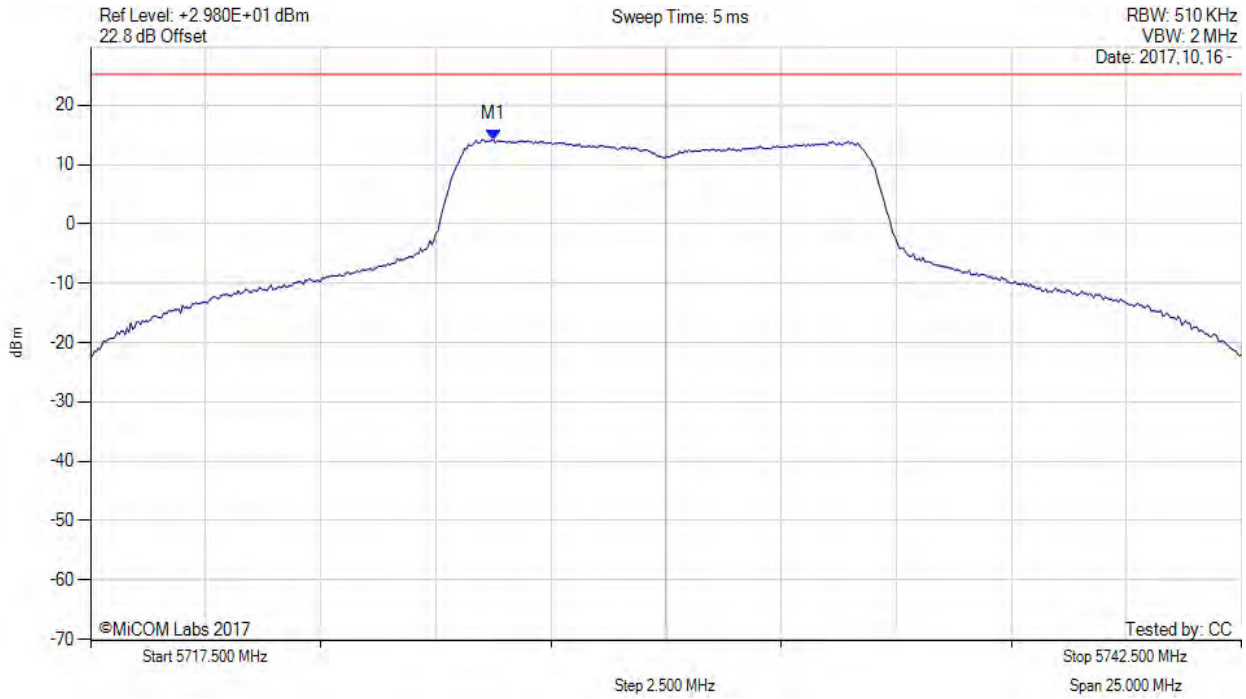
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = +100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5726.250 MHz : 14.235 dBm	Limit: ≤ 25.230 dBm

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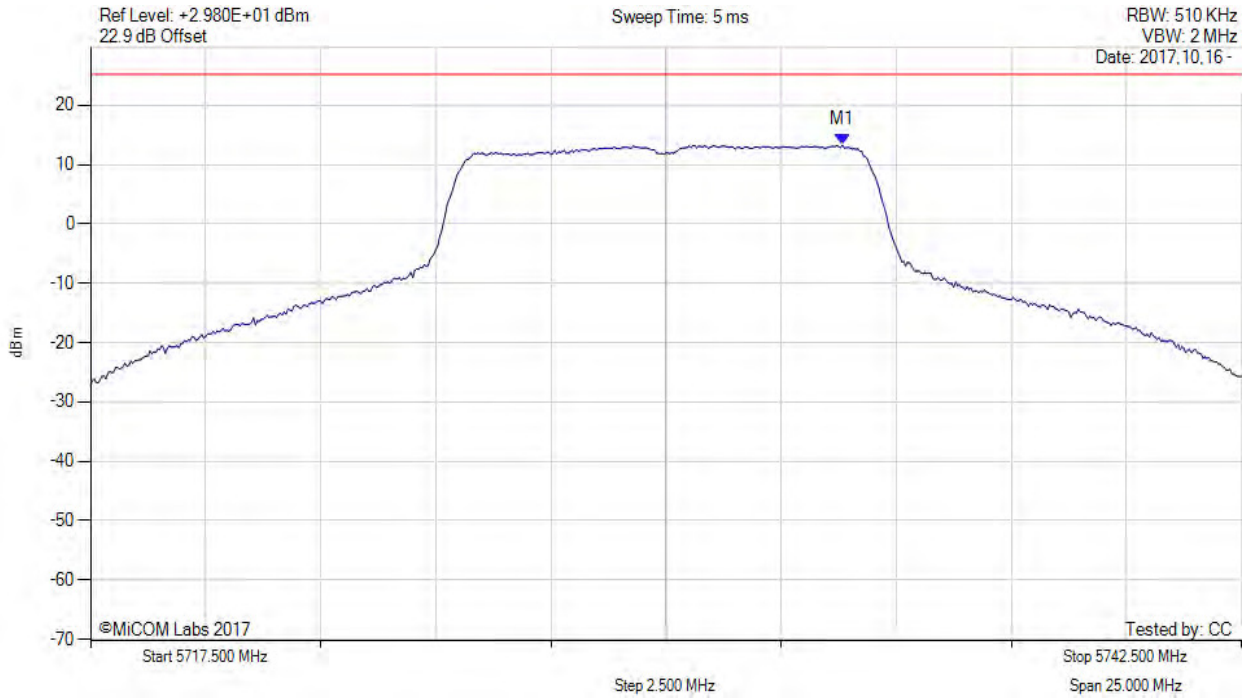
POWER SPECTRAL DENSITY

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



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

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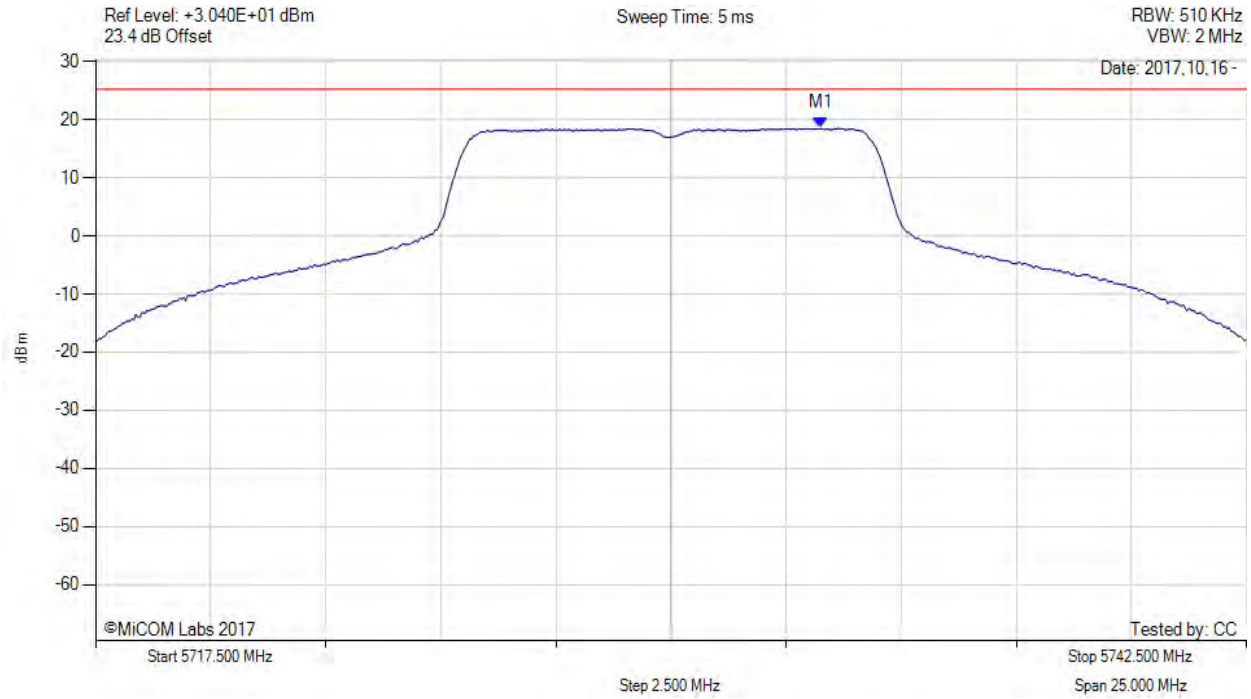
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

POWER SPECTRAL DENSITY

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



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

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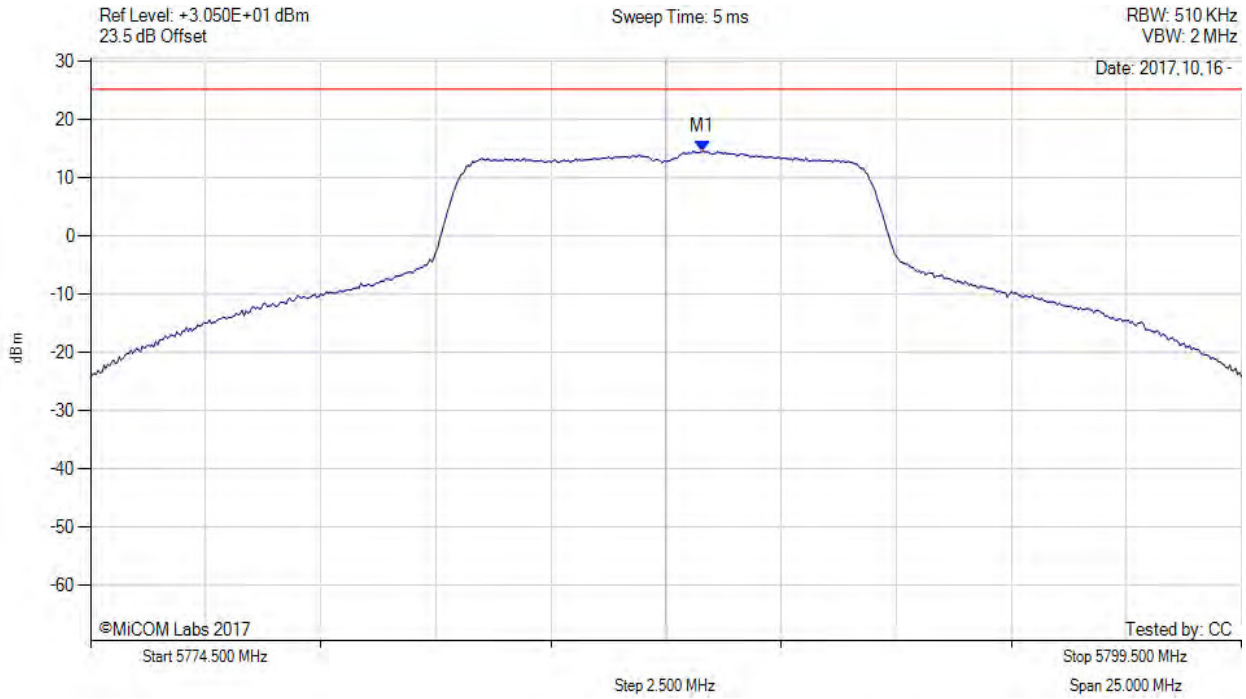
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = +100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.790 MHz : 14.552 dBm	Limit: ≤ 25.230 dBm

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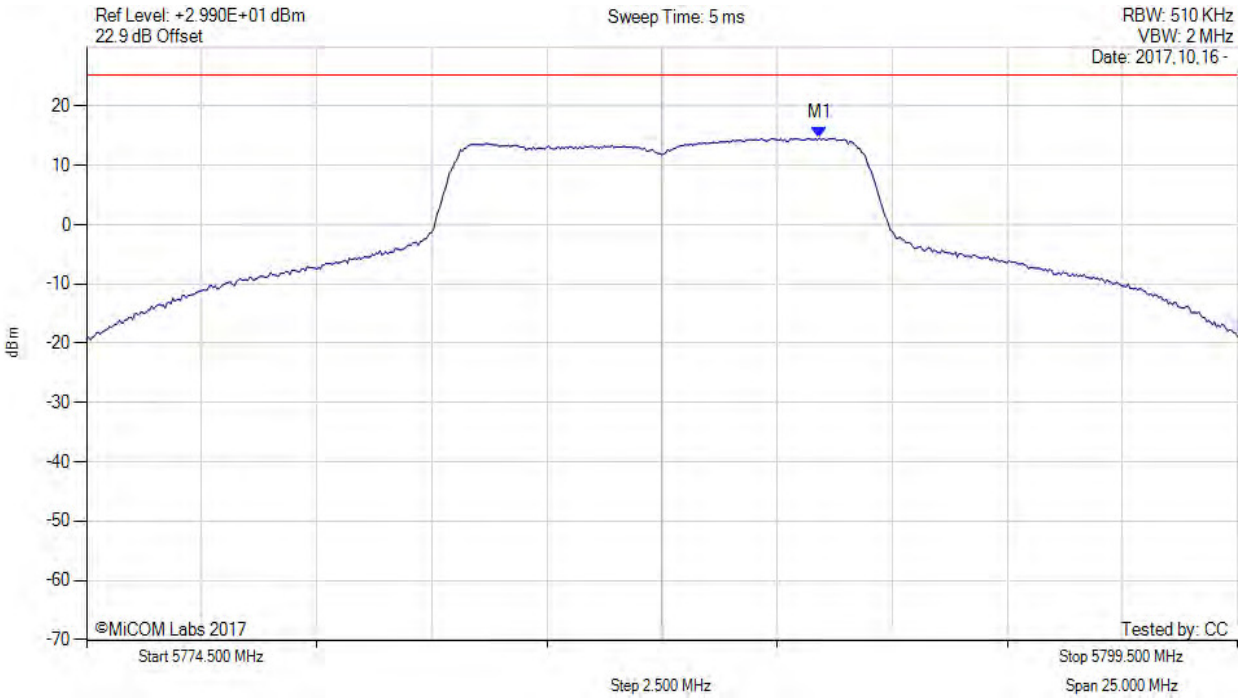
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = +100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5790.420 MHz : 14.606 dBm	Channel Frequency: 5787.00 MHz

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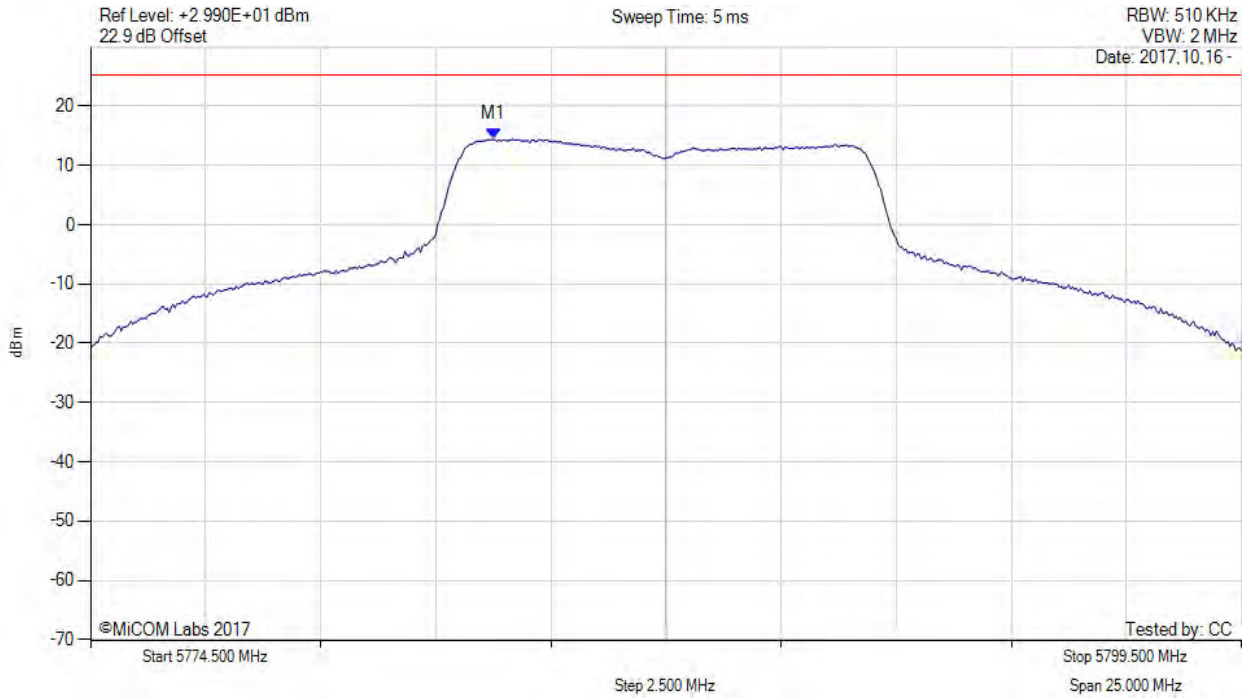
POWER SPECTRAL DENSITY

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



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

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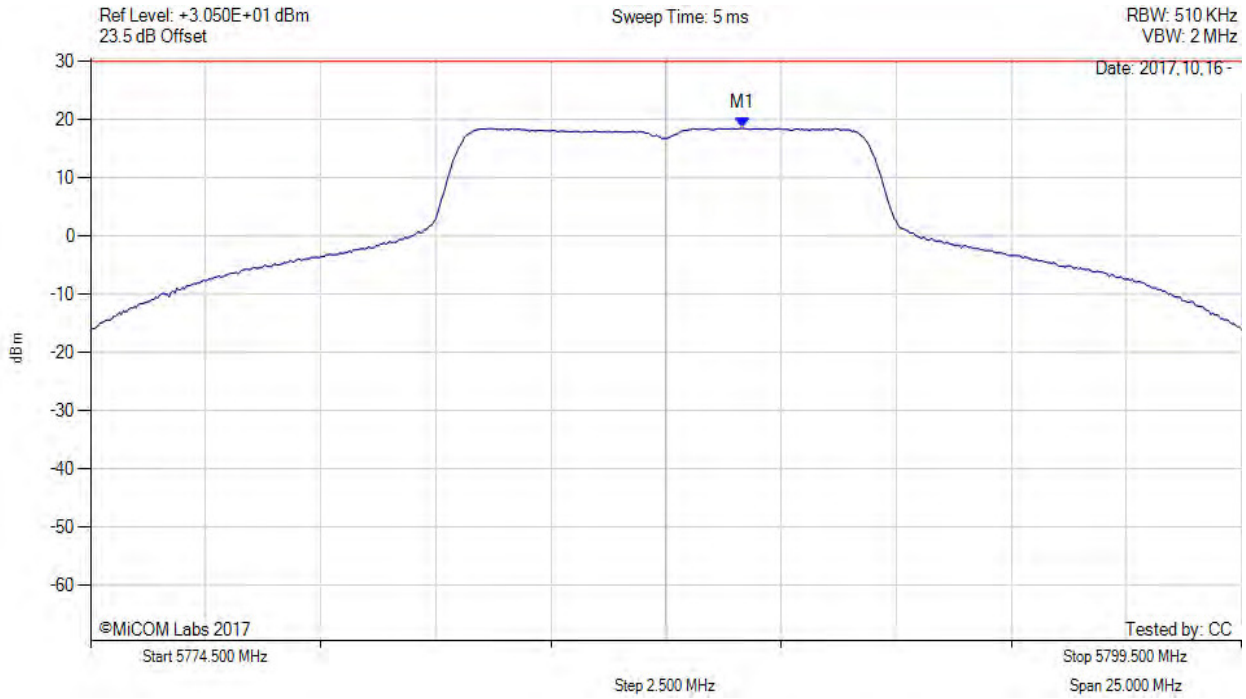
POWER SPECTRAL DENSITY

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



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

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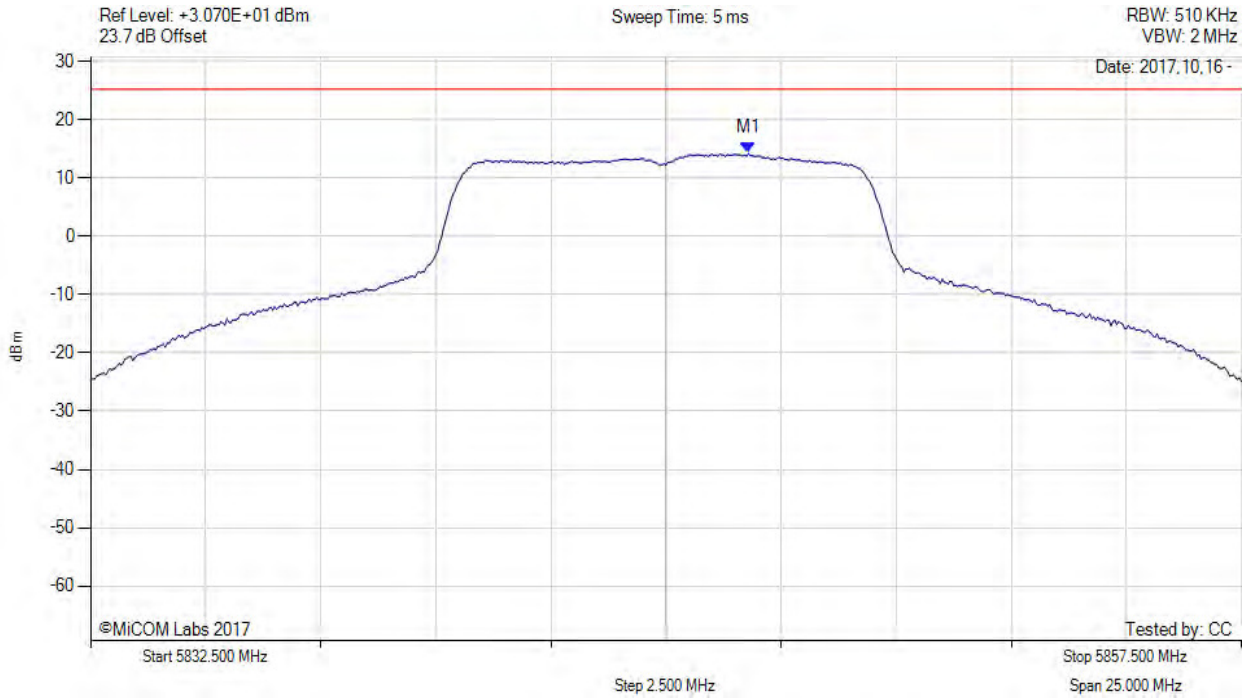
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = +100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5846.790 MHz : 14.239 dBm	Limit: ≤ 25.230 dBm

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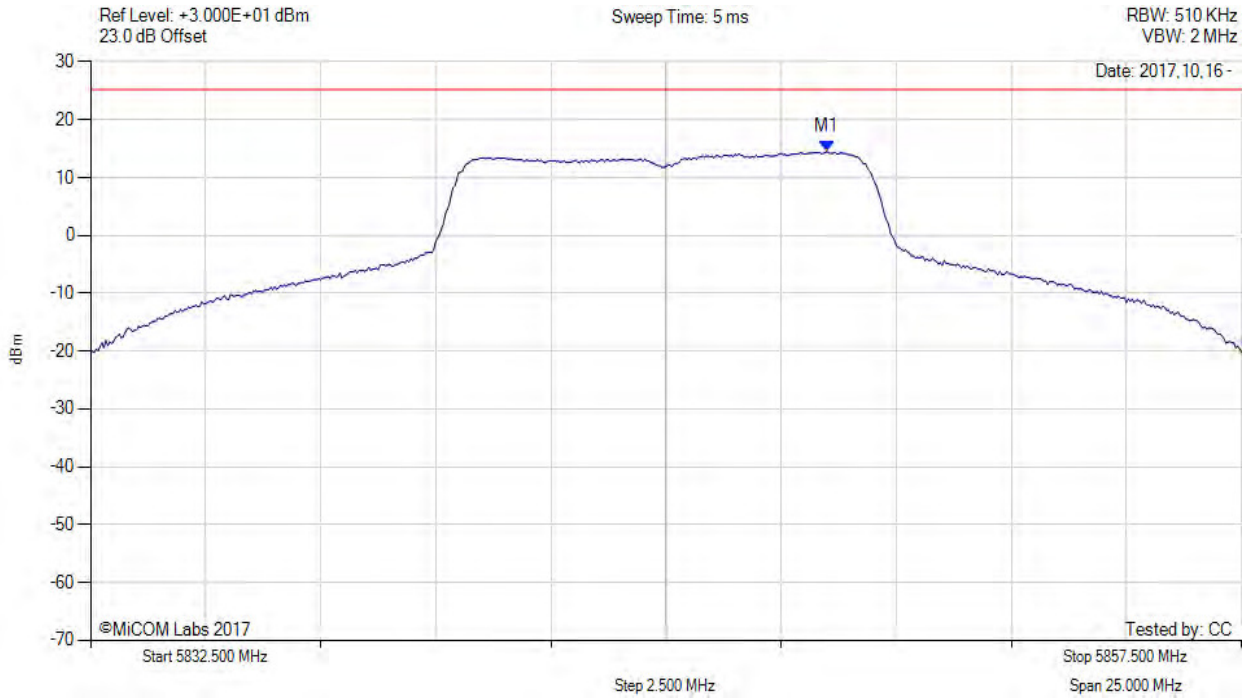
POWER SPECTRAL DENSITY

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



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

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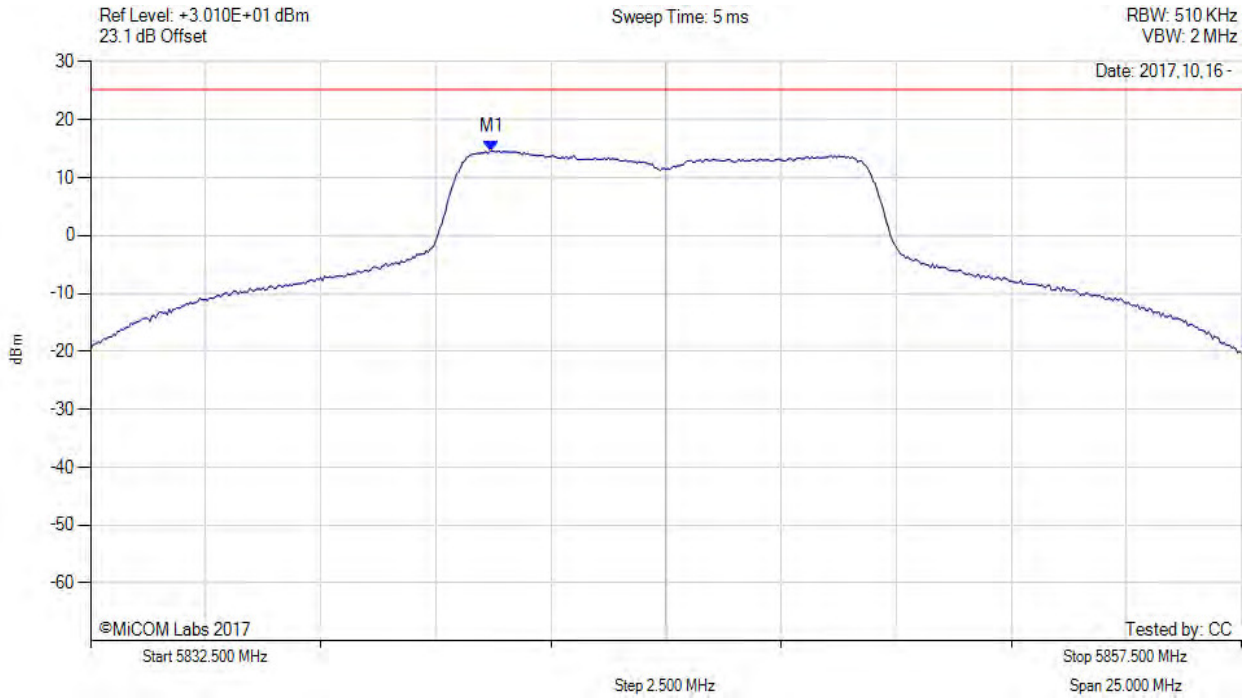
POWER SPECTRAL DENSITY

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



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

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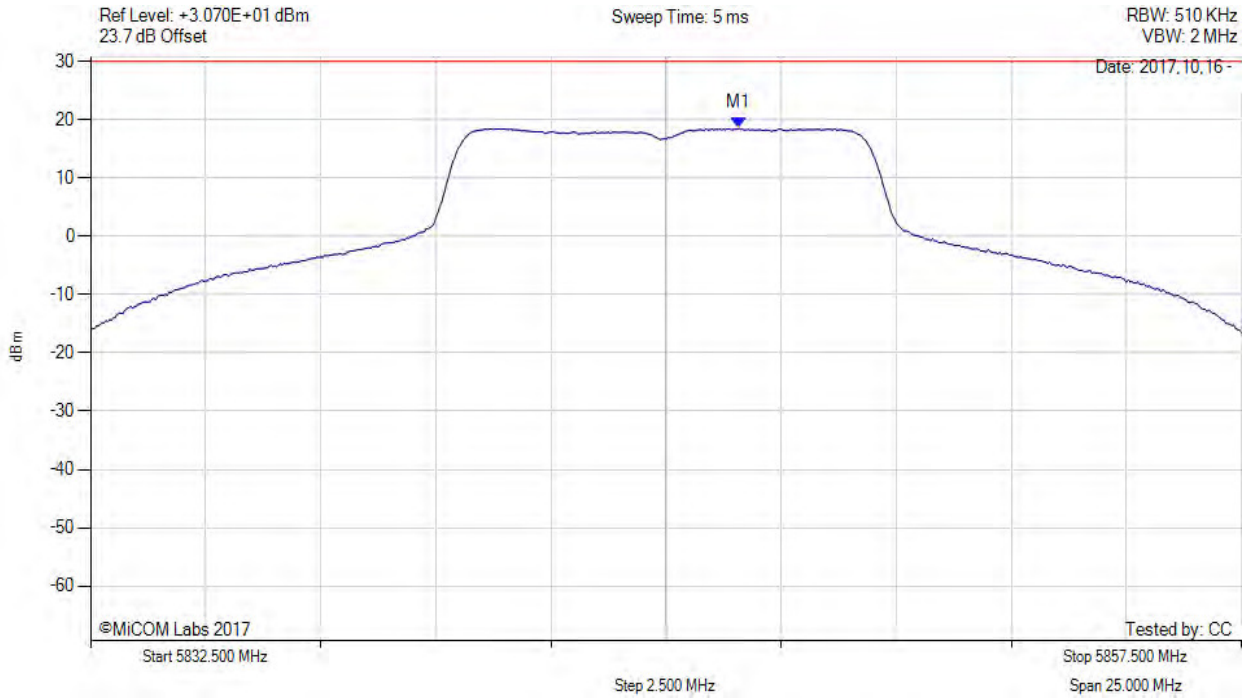
POWER SPECTRAL DENSITY

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



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

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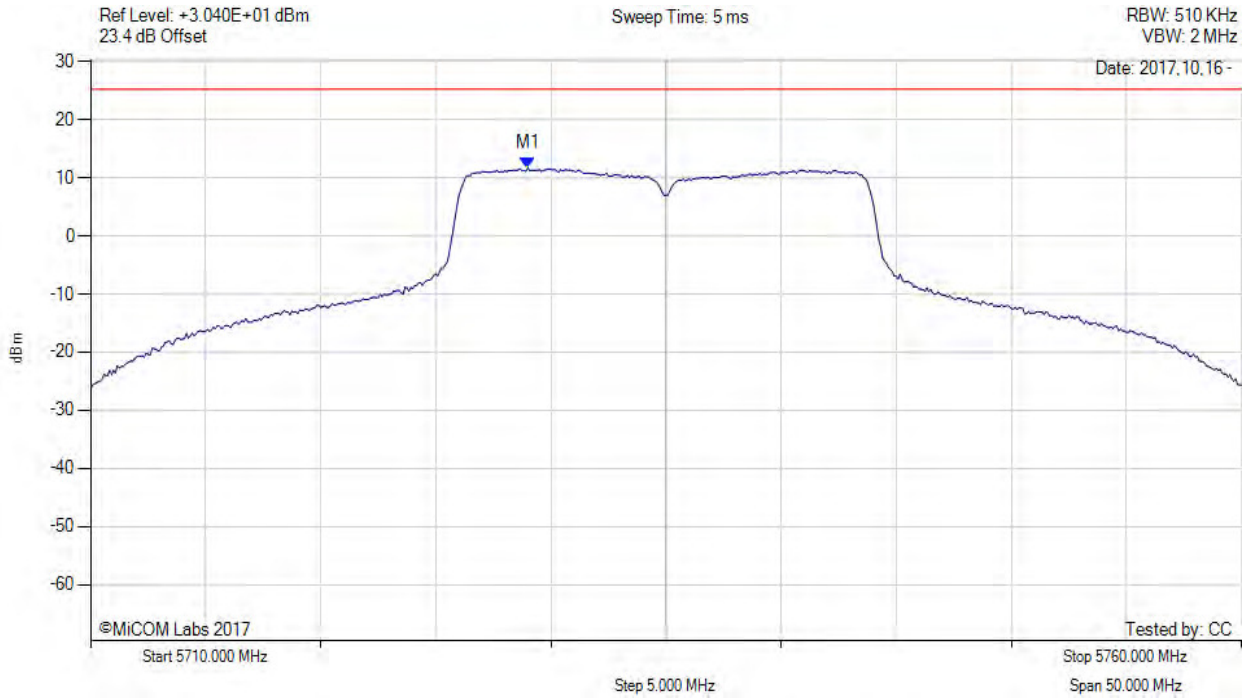
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = +100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5729.000 MHz : 11.674 dBm	Limit: ≤ 25.230 dBm

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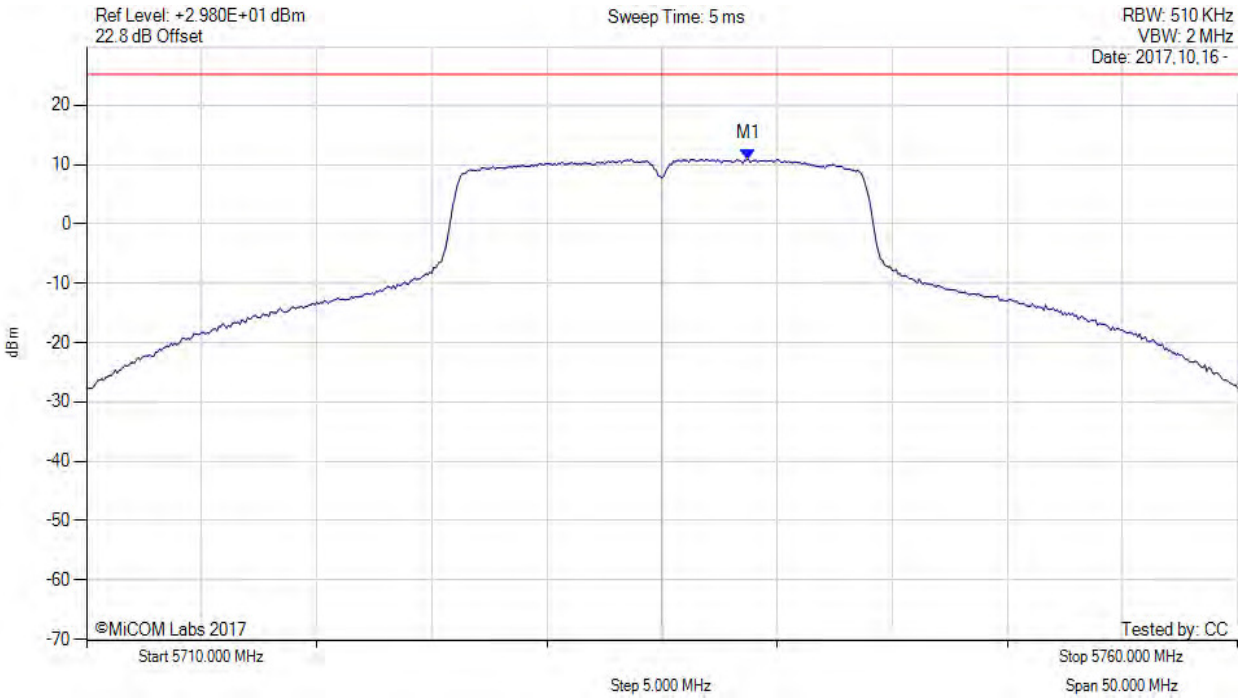
POWER SPECTRAL DENSITY

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



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

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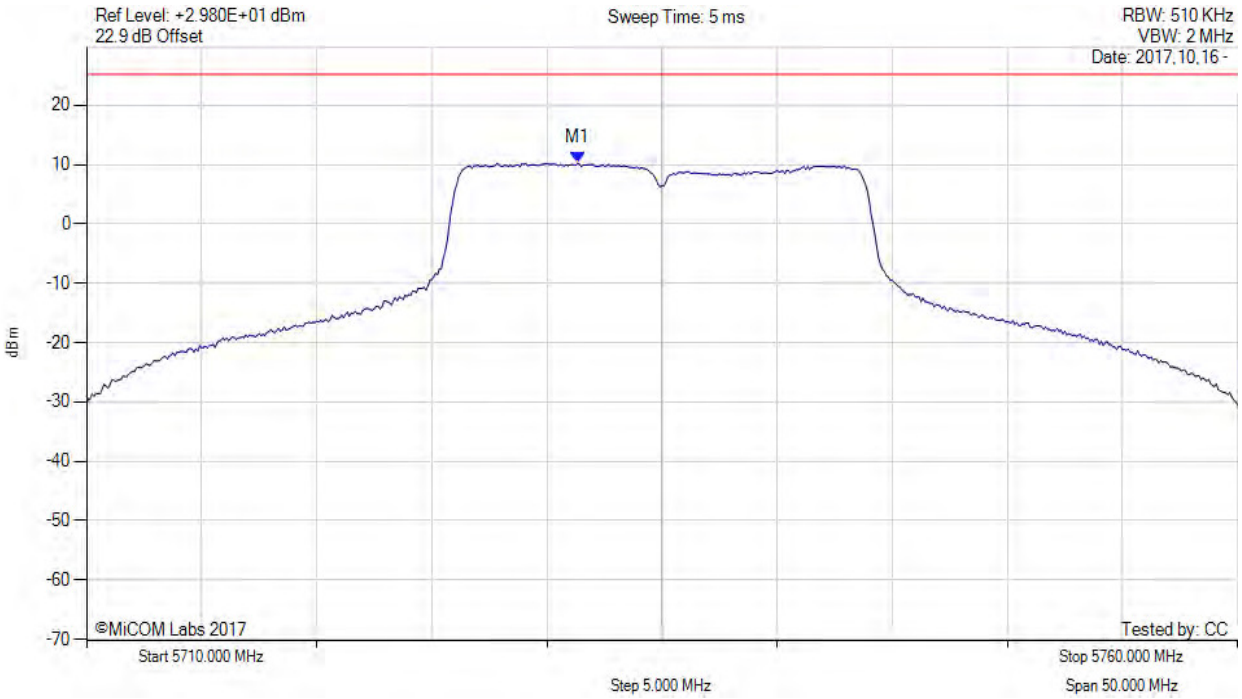
POWER SPECTRAL DENSITY

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



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

back to matrix

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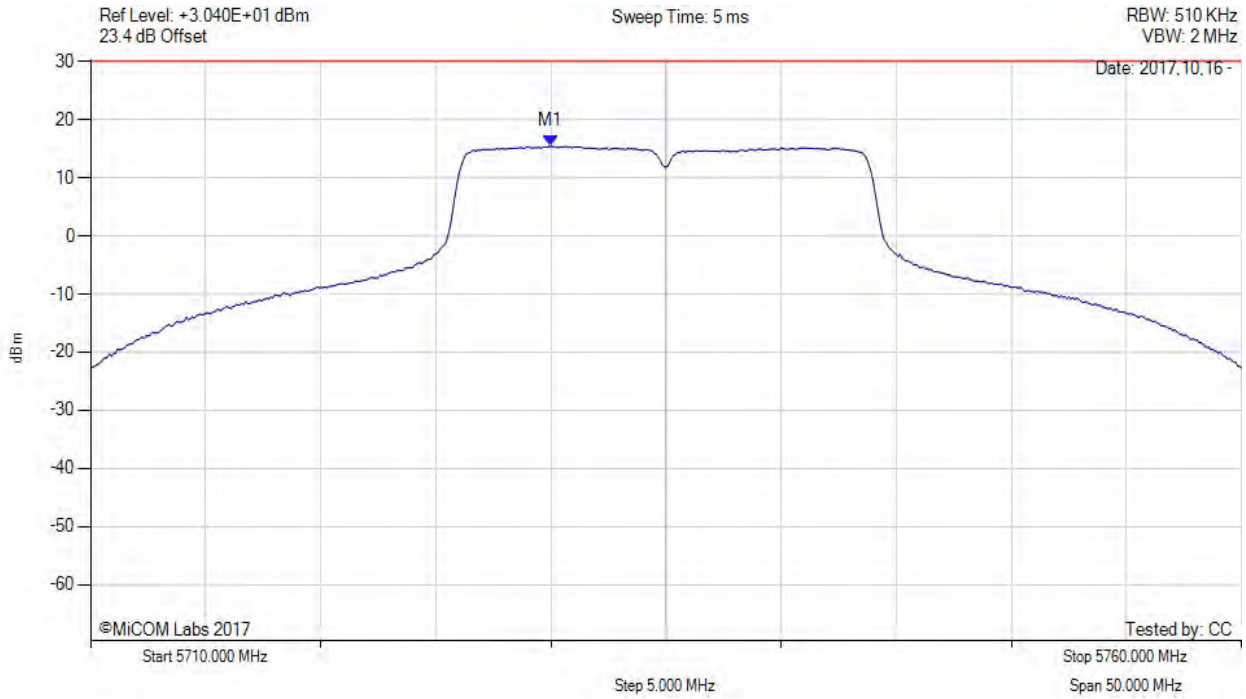
POWER SPECTRAL DENSITY

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



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

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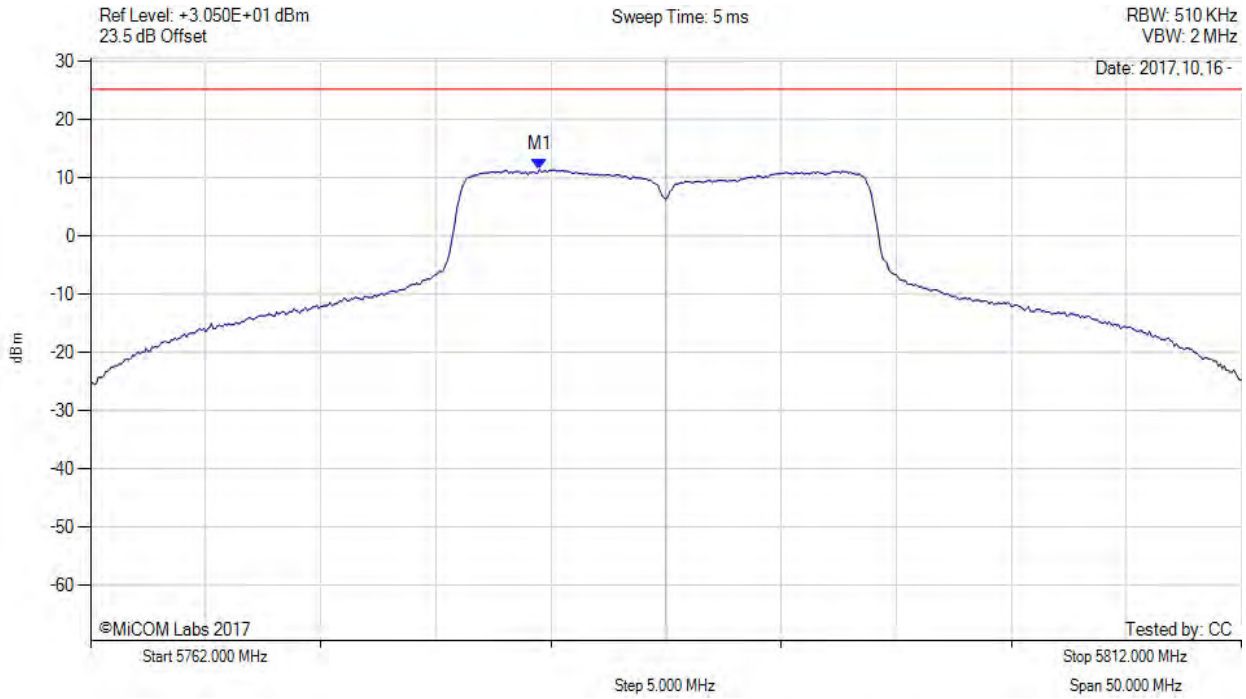
POWER SPECTRAL DENSITY

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



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

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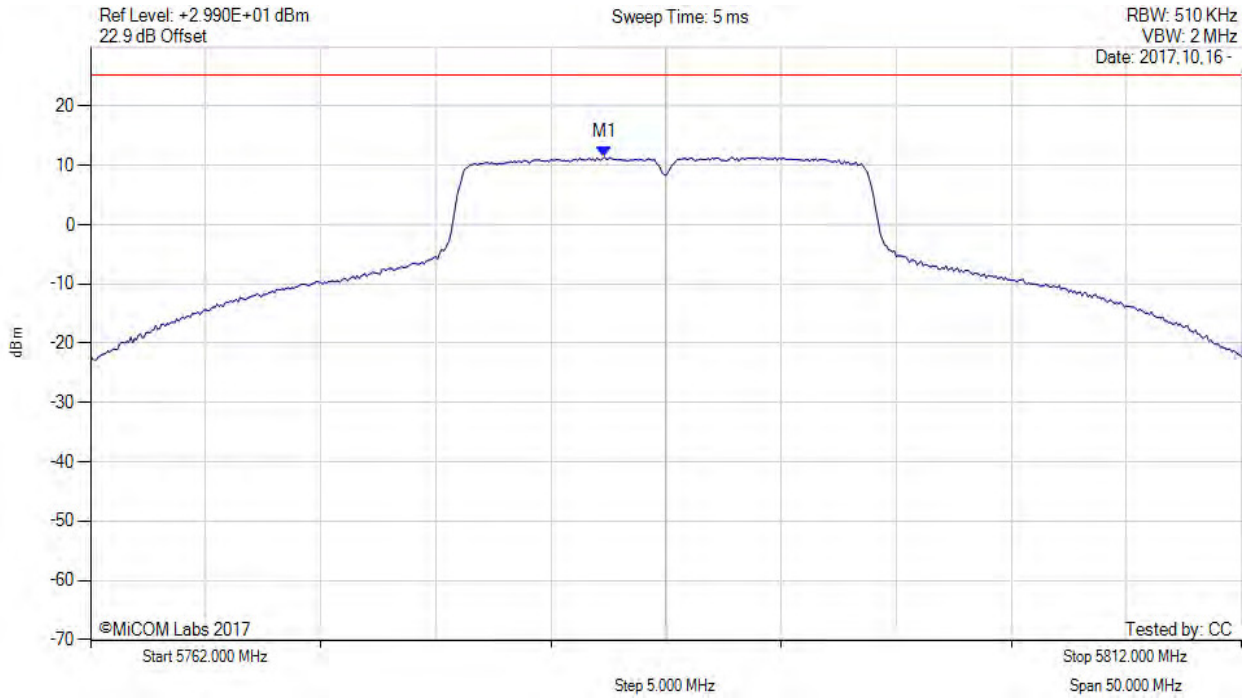
POWER SPECTRAL DENSITY

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



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

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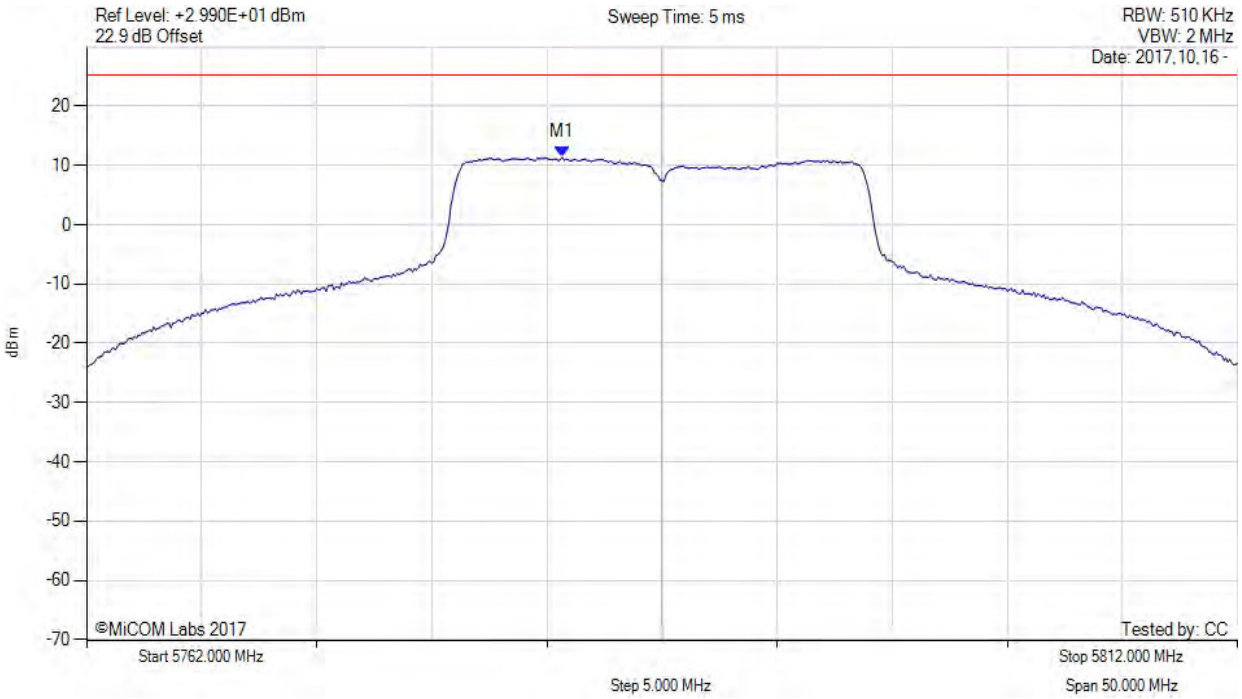
POWER SPECTRAL DENSITY

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



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

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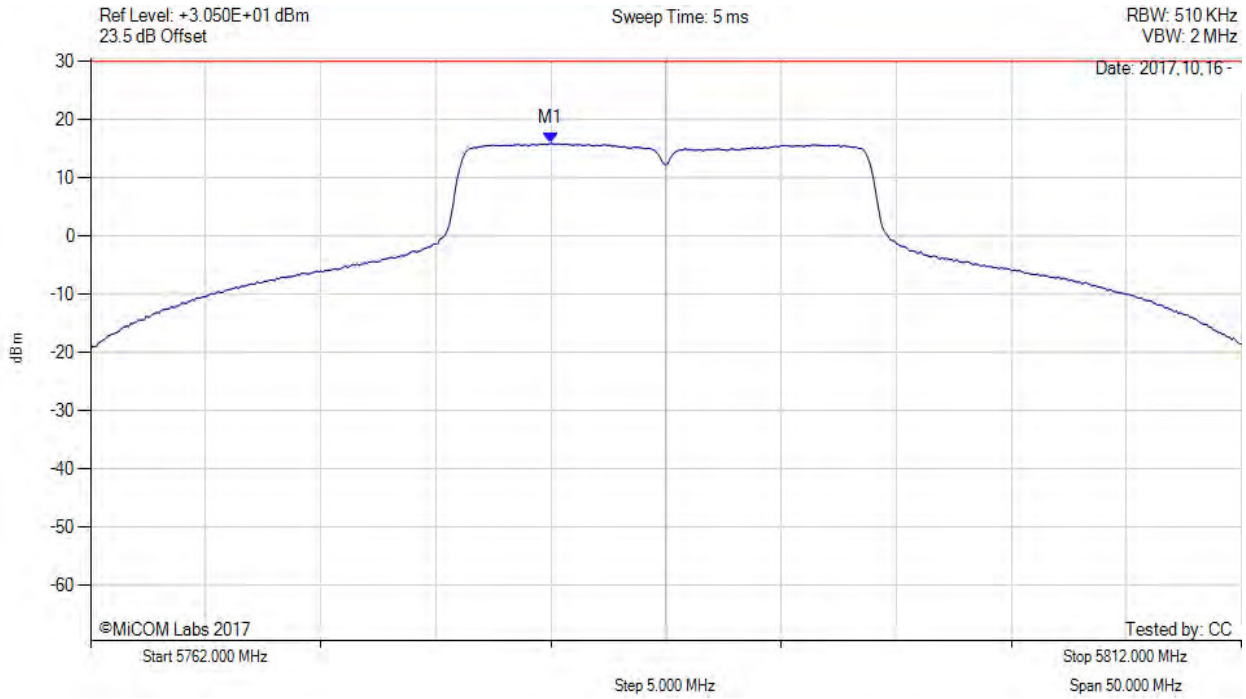
POWER SPECTRAL DENSITY

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



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

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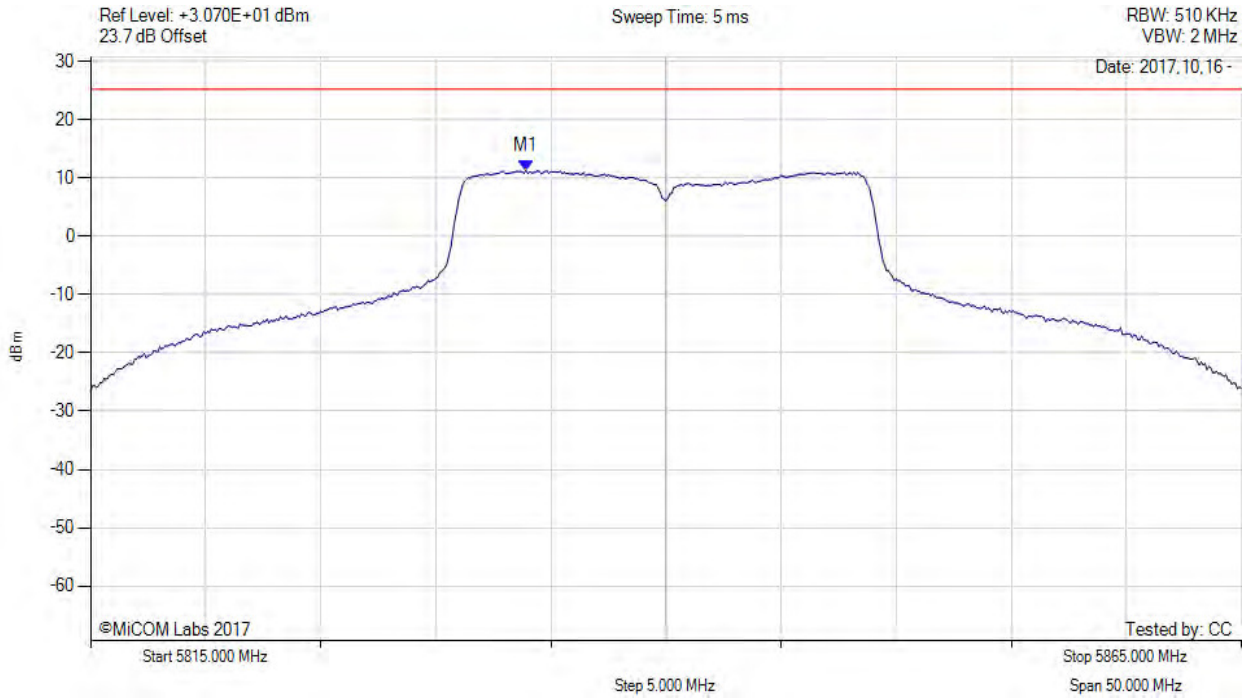
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

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 Sweep Count = +100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5833.920 MHz : 11.266 dBm	Limit: ≤ 25.230 dBm

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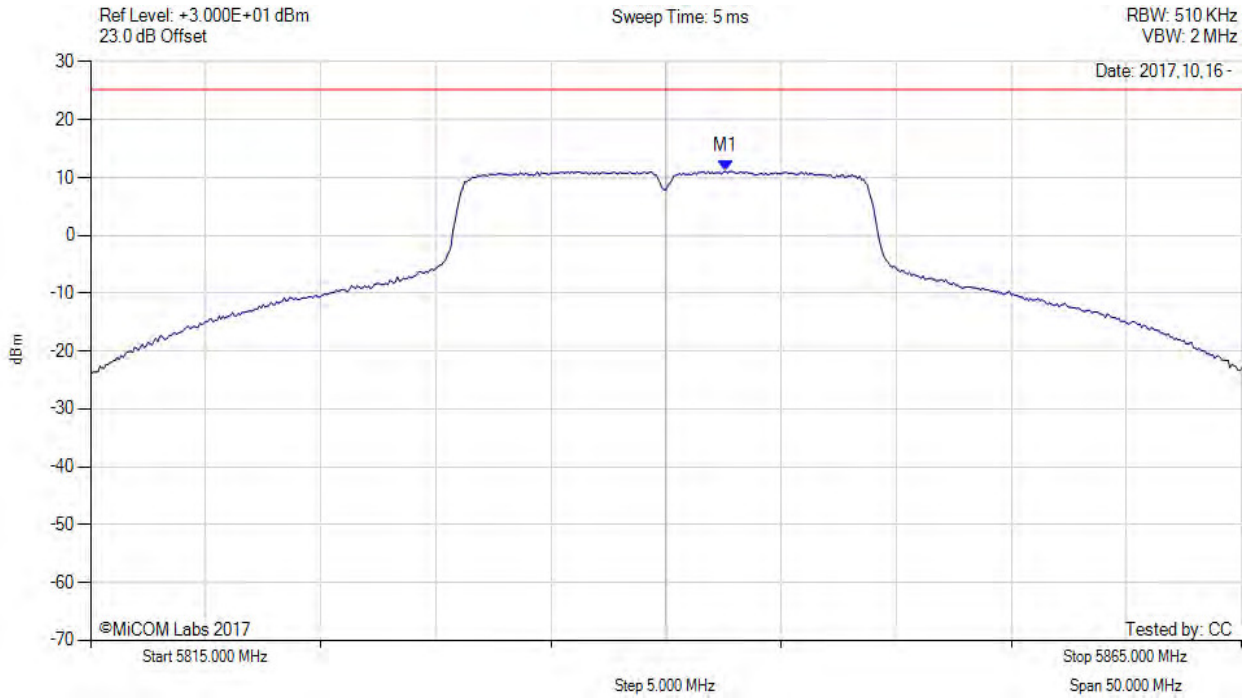
POWER SPECTRAL DENSITY

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



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

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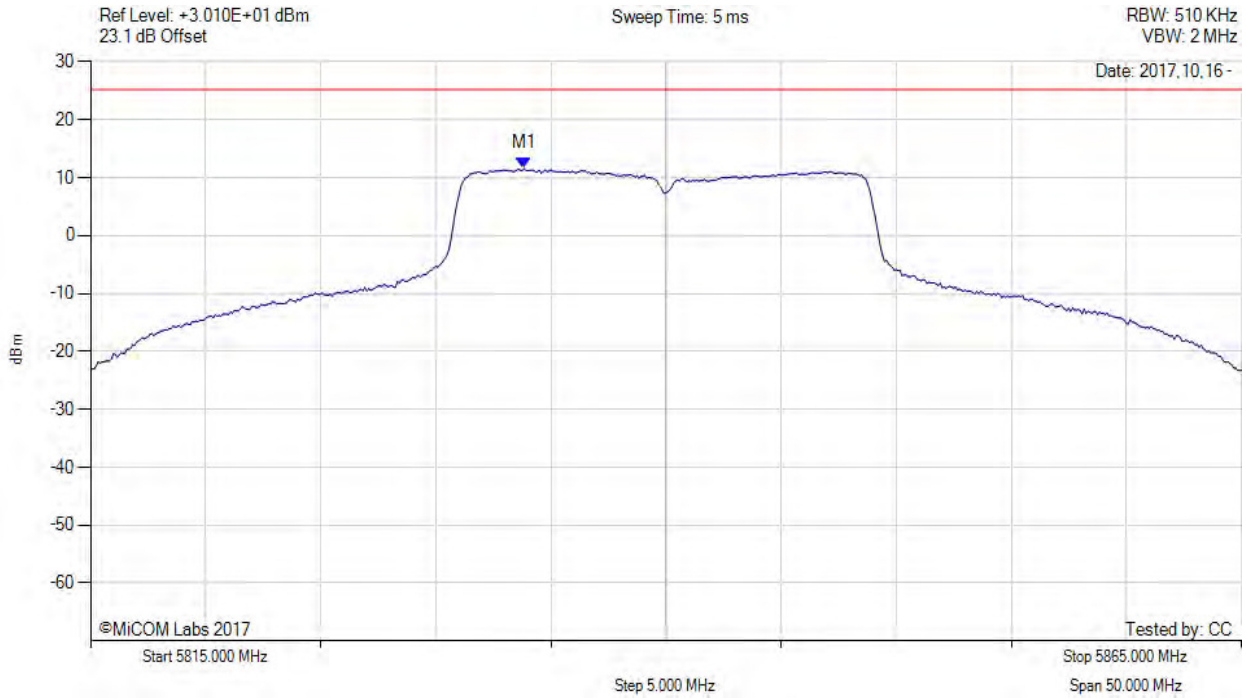
POWER SPECTRAL DENSITY

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



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

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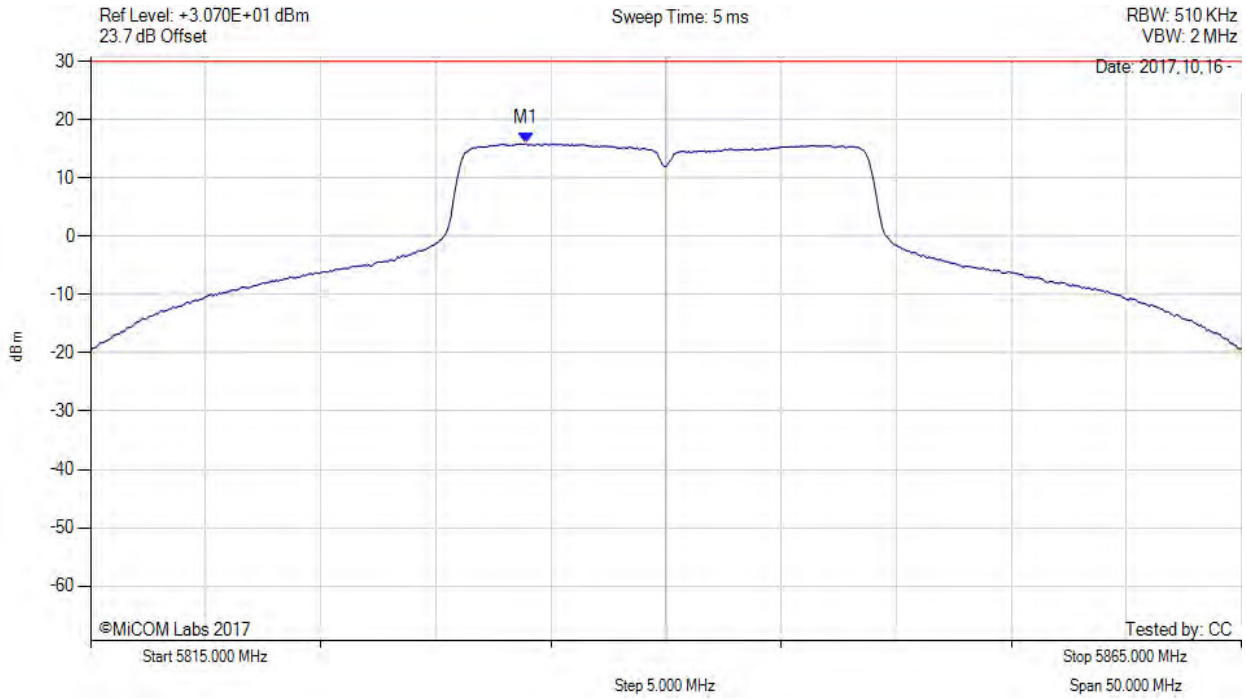
POWER SPECTRAL DENSITY

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



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

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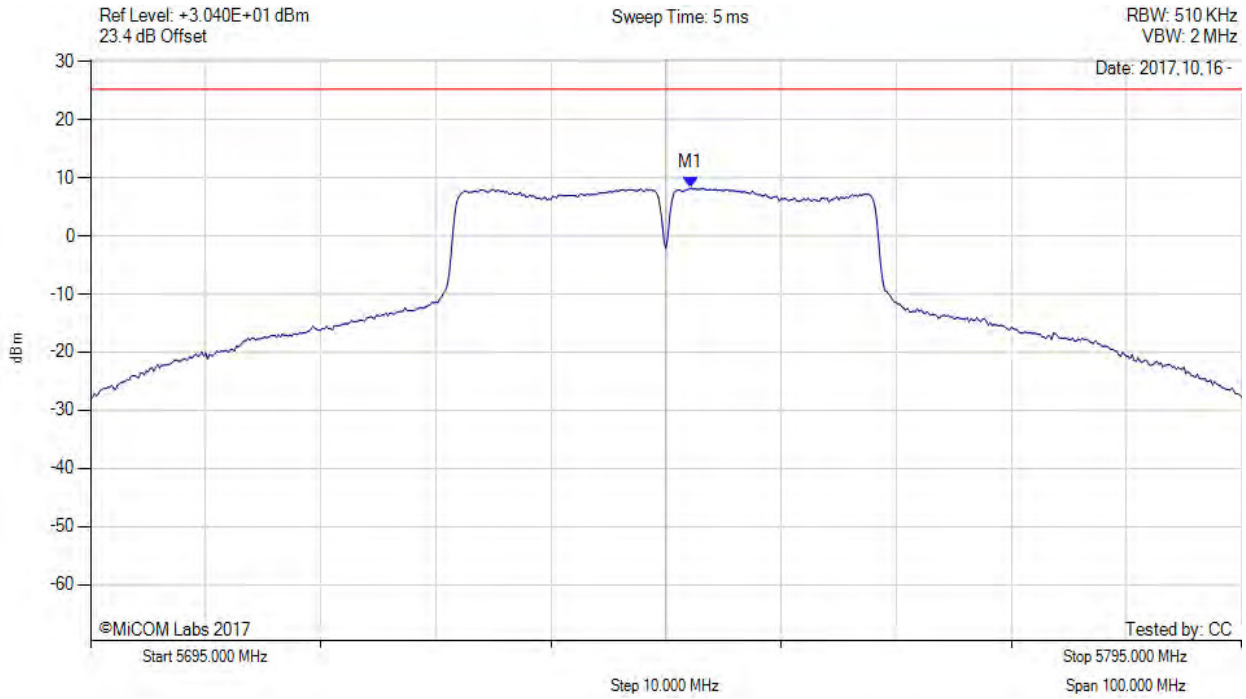
POWER SPECTRAL DENSITY

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



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

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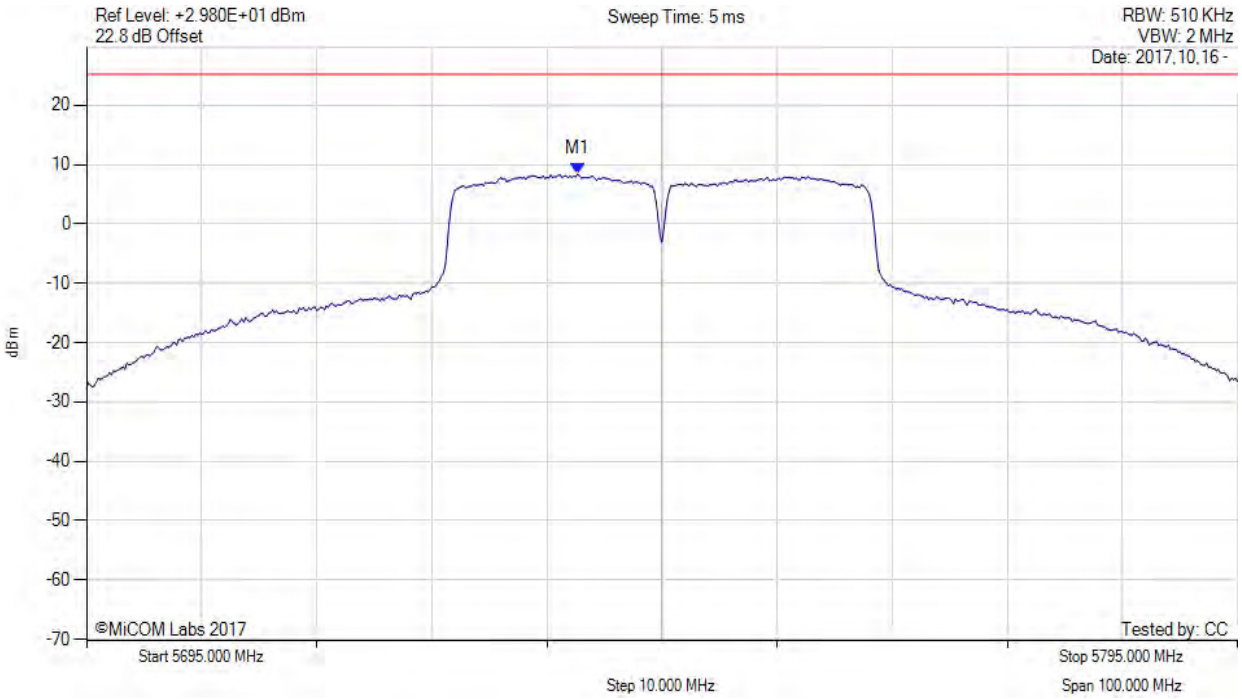
POWER SPECTRAL DENSITY

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



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

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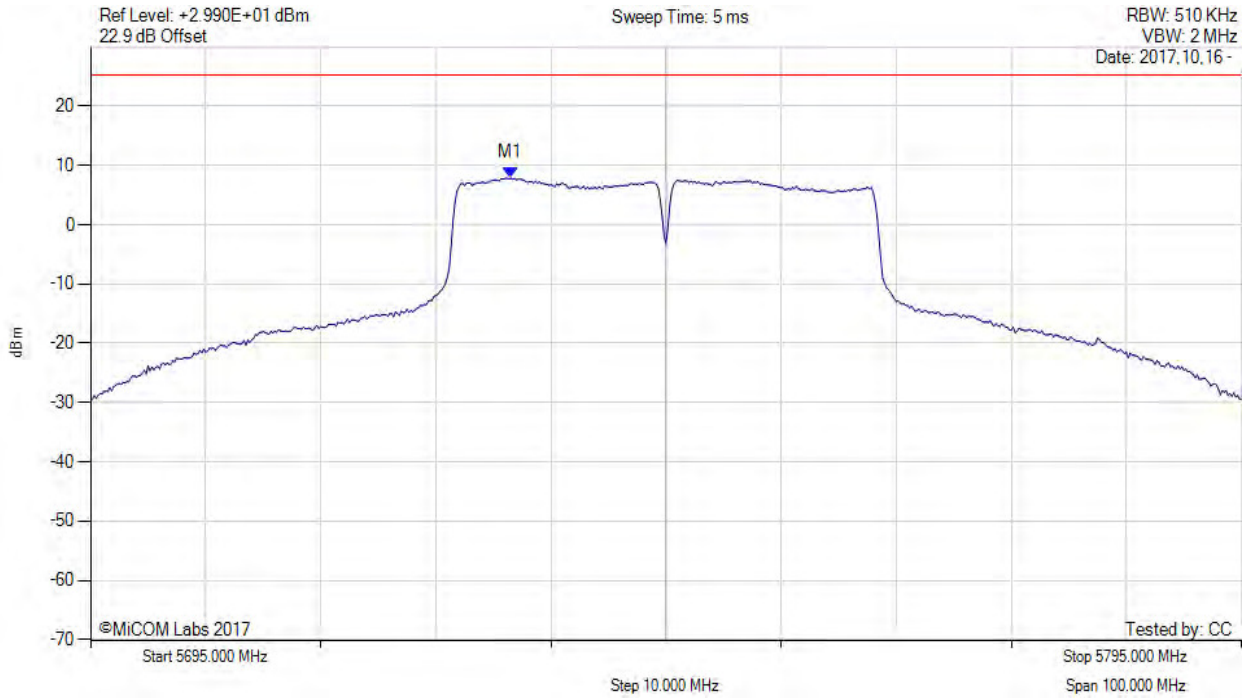
POWER SPECTRAL DENSITY

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



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

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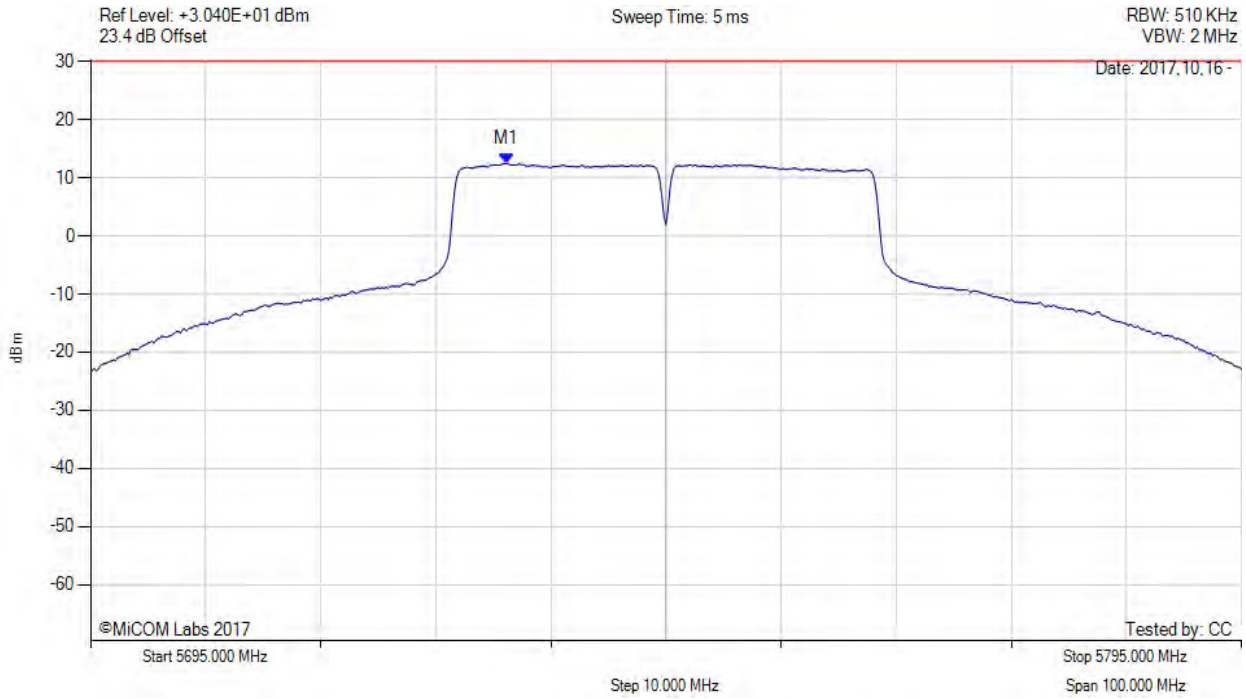
POWER SPECTRAL DENSITY

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



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

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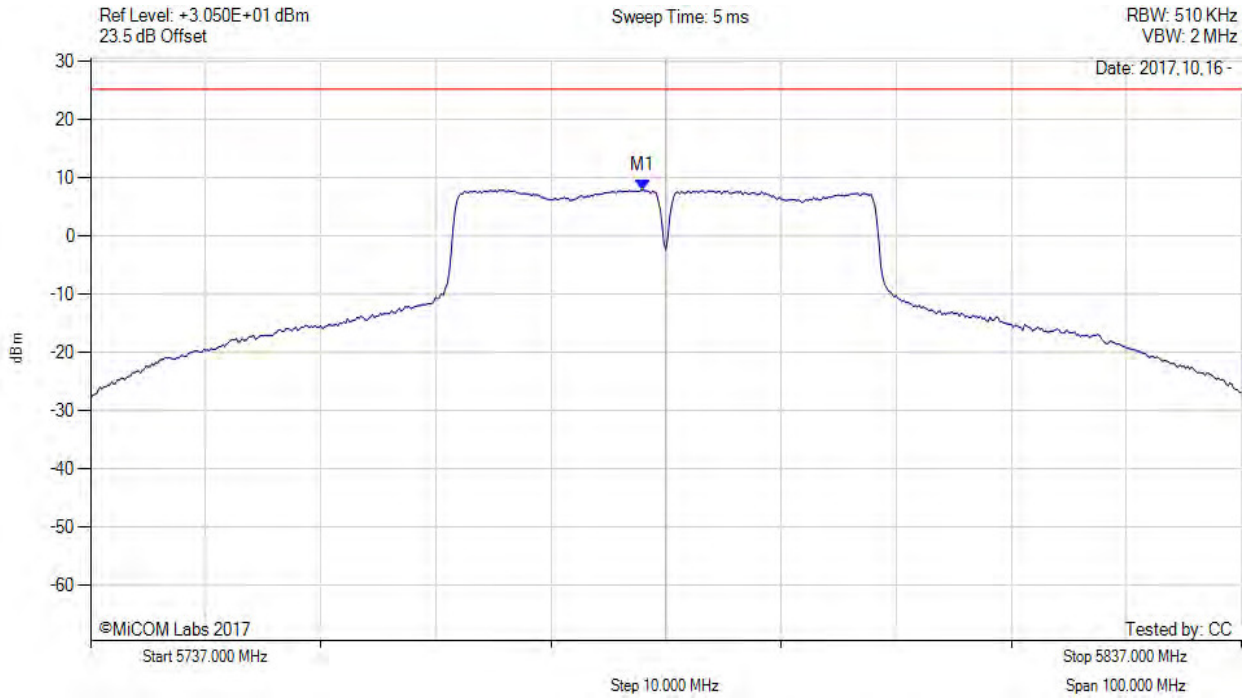
POWER SPECTRAL DENSITY

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



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

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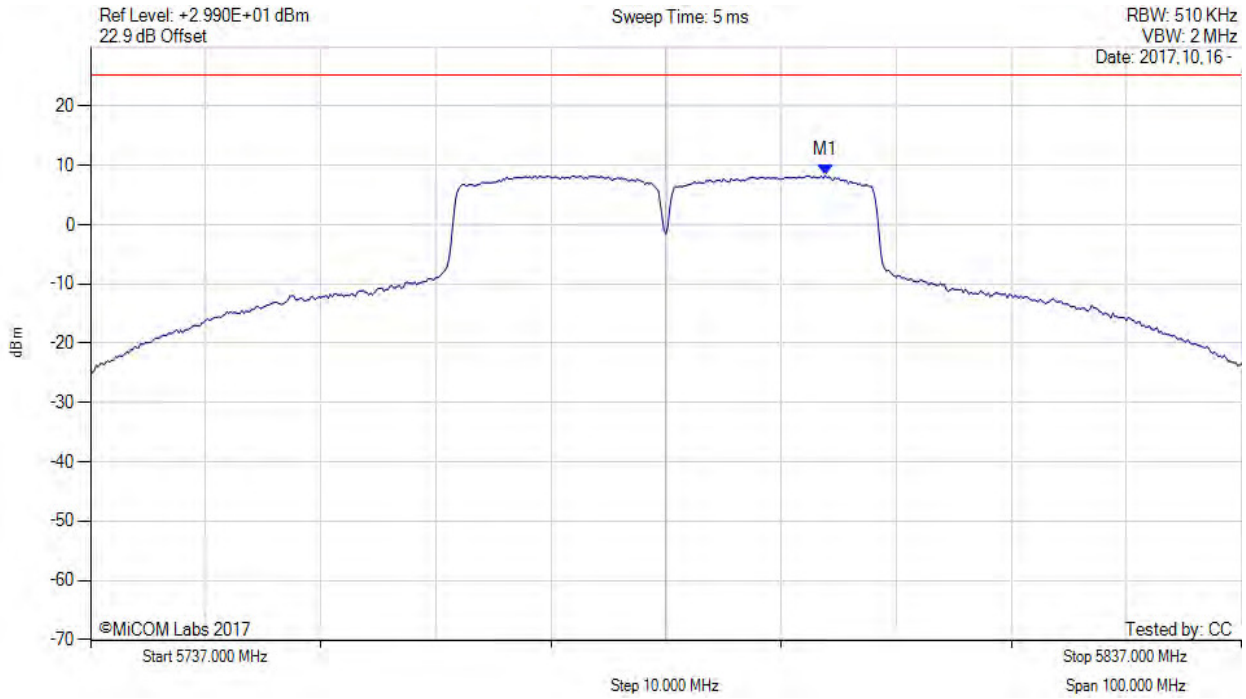
POWER SPECTRAL DENSITY

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



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

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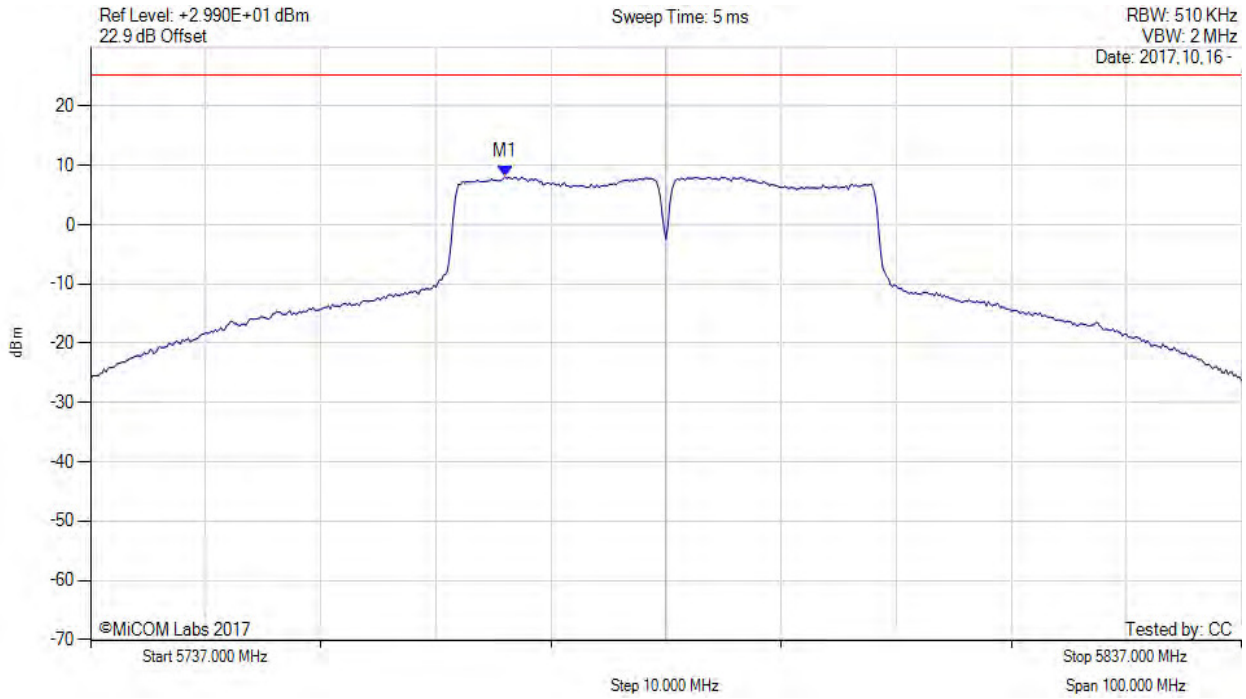
POWER SPECTRAL DENSITY

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



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

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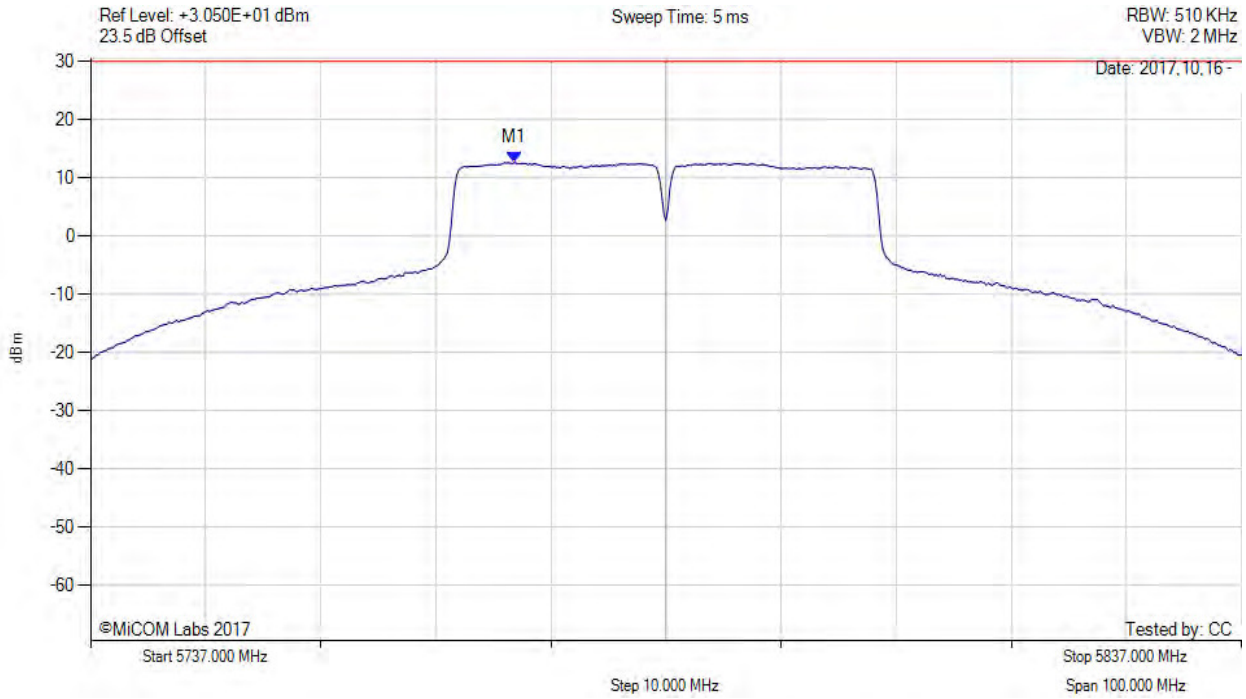
POWER SPECTRAL DENSITY

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



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

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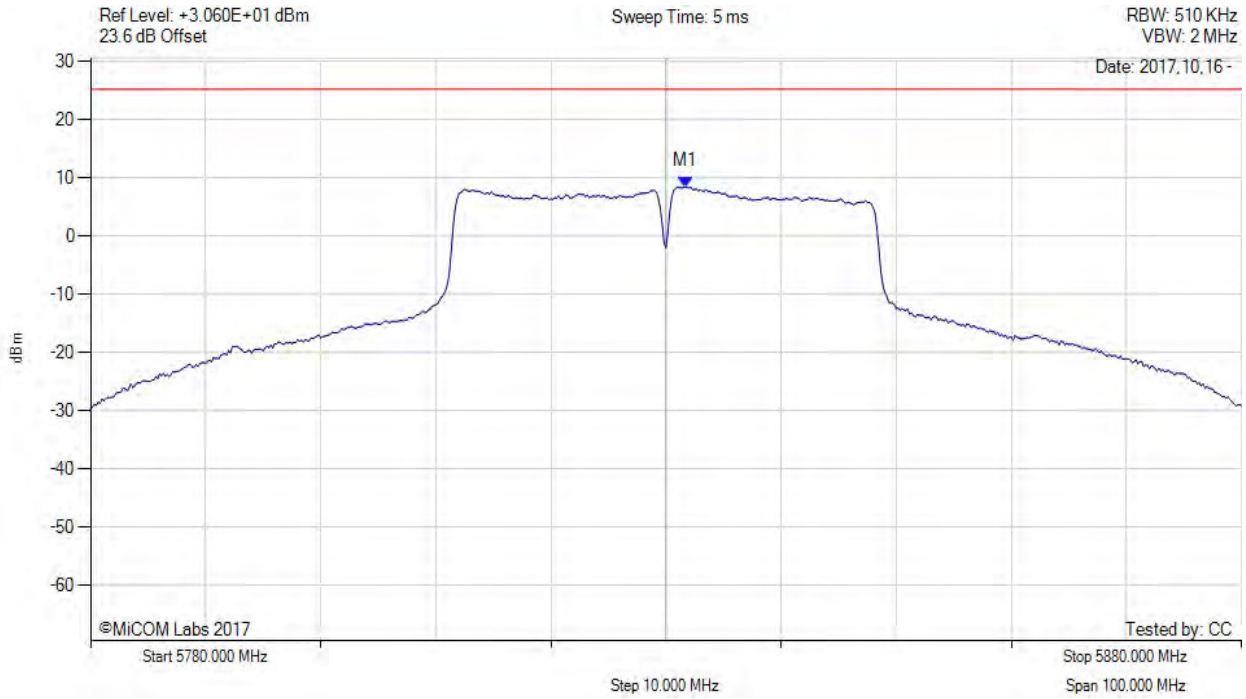
POWER SPECTRAL DENSITY

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



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

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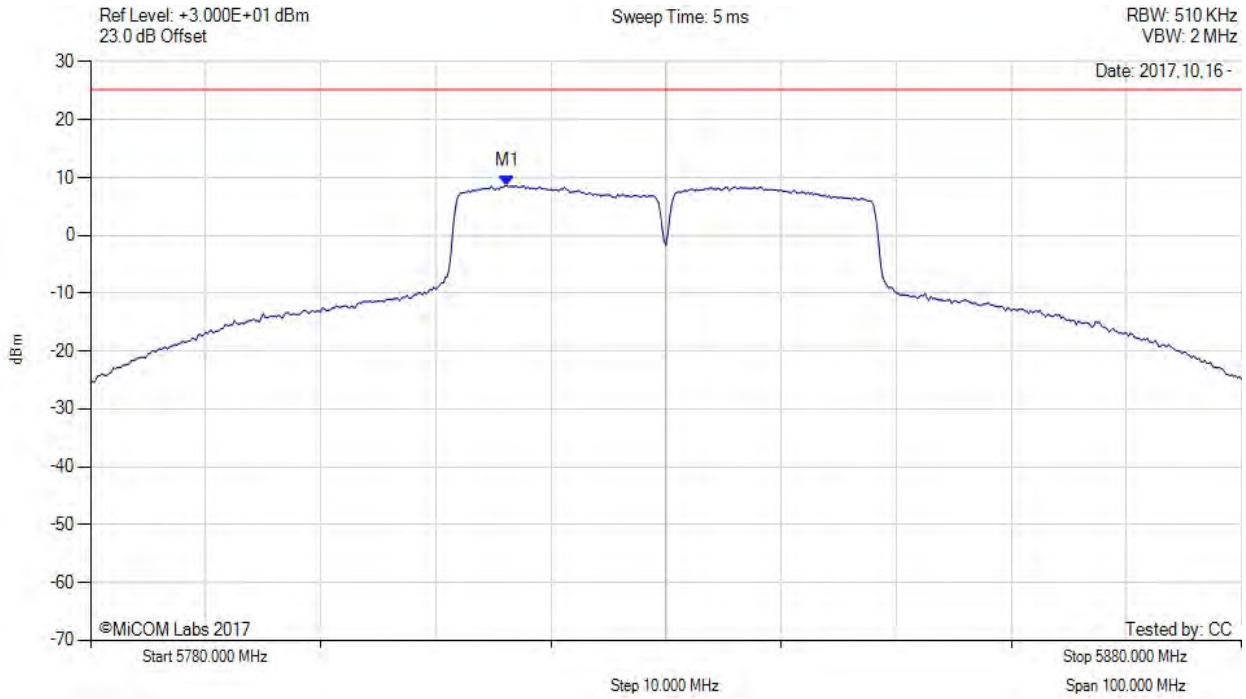
POWER SPECTRAL DENSITY

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



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

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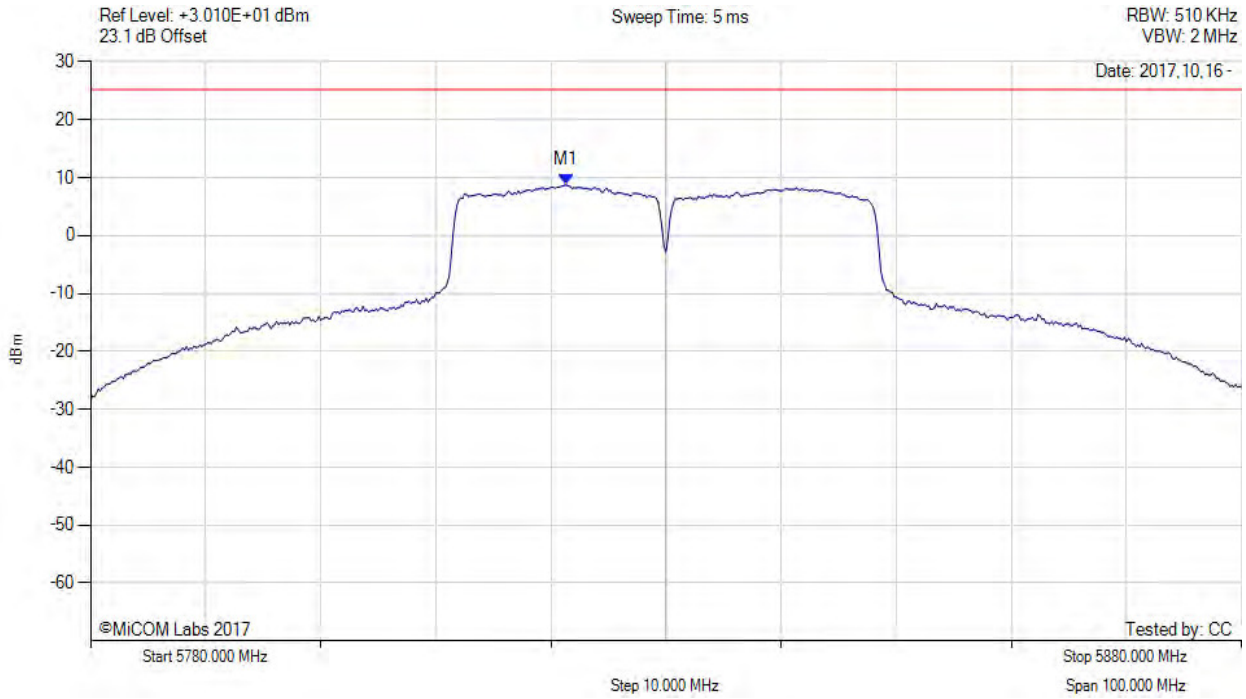
POWER SPECTRAL DENSITY

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



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

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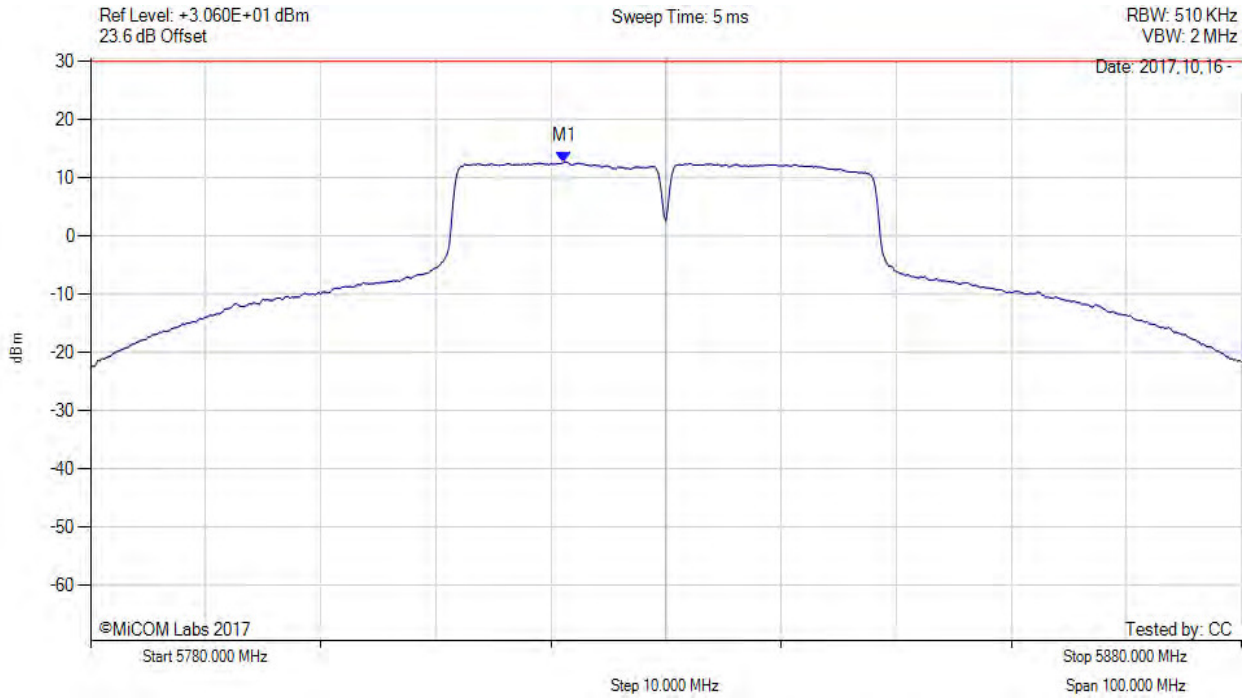
POWER SPECTRAL DENSITY

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



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

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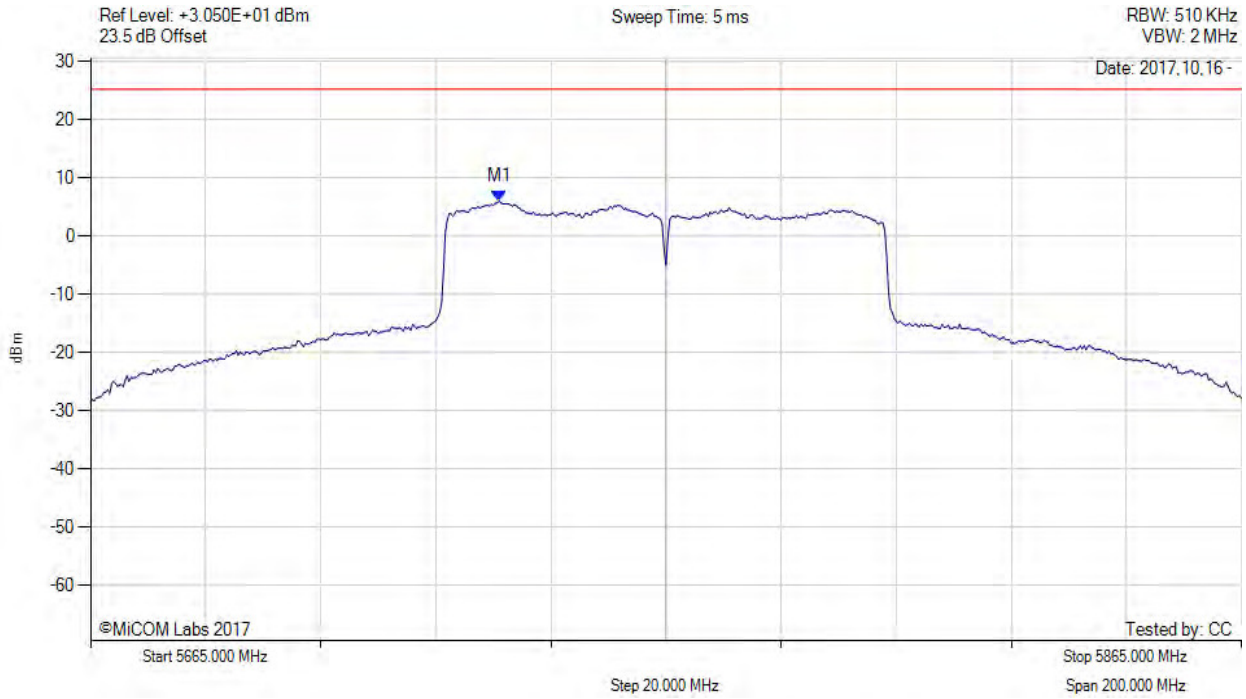
POWER SPECTRAL DENSITY

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



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

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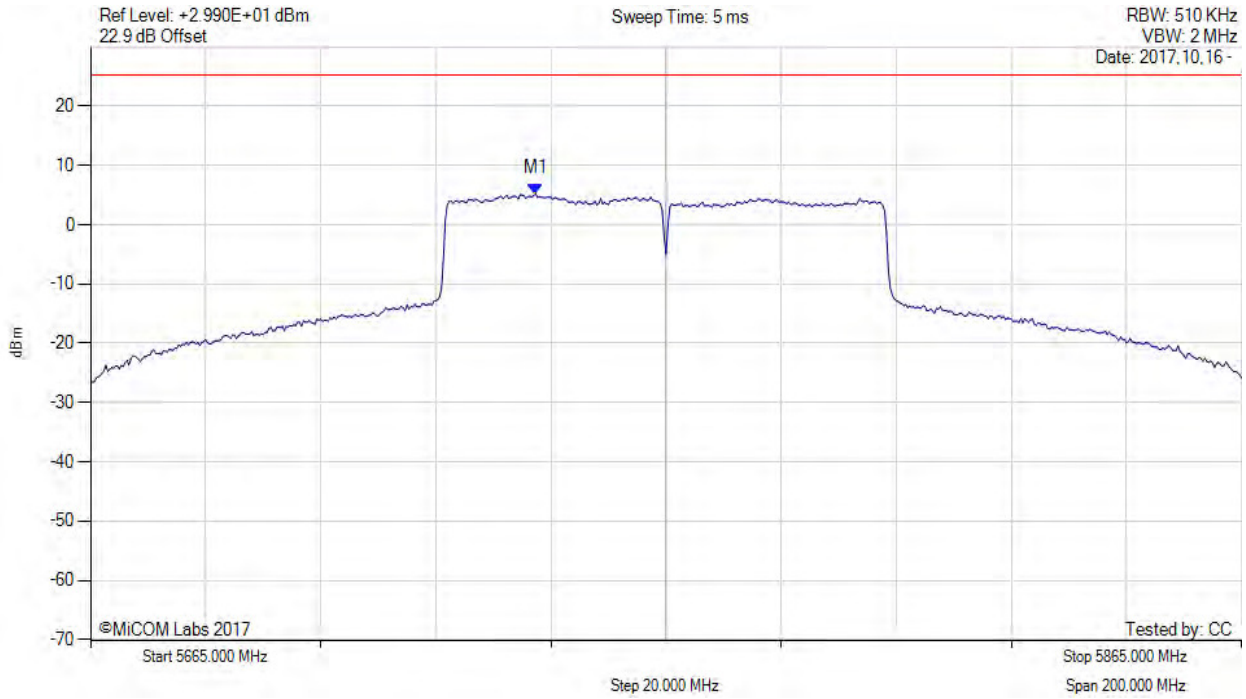
POWER SPECTRAL DENSITY

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



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

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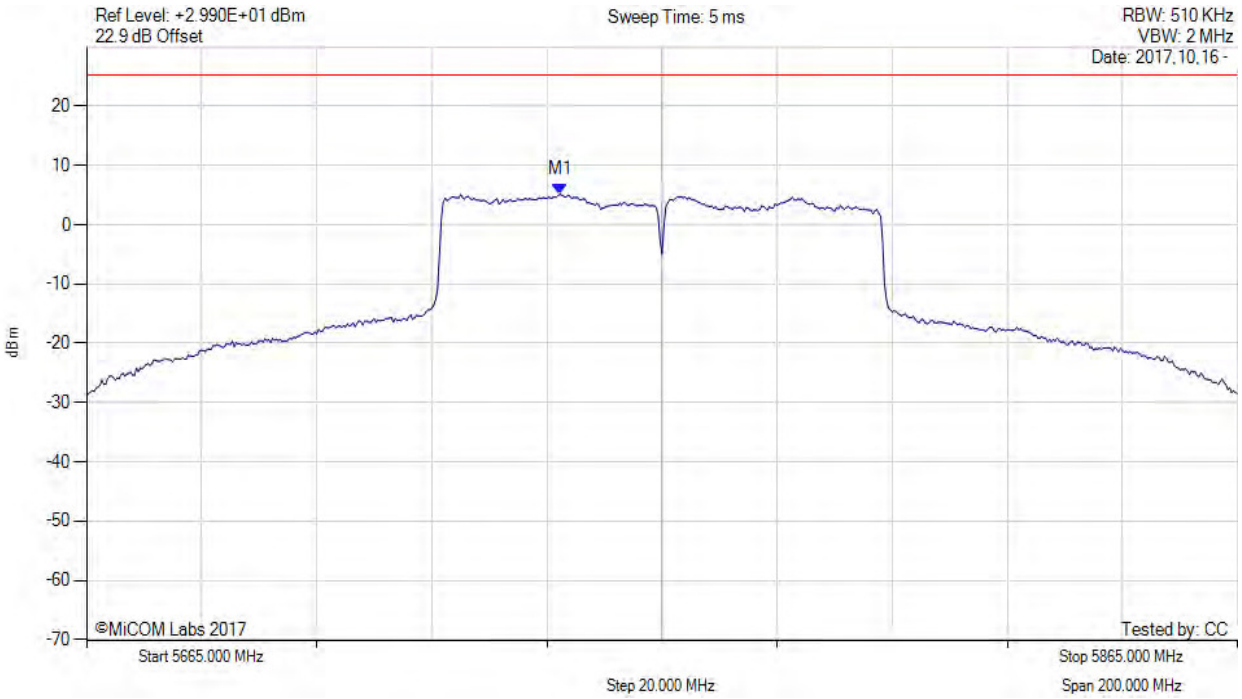
POWER SPECTRAL DENSITY

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



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

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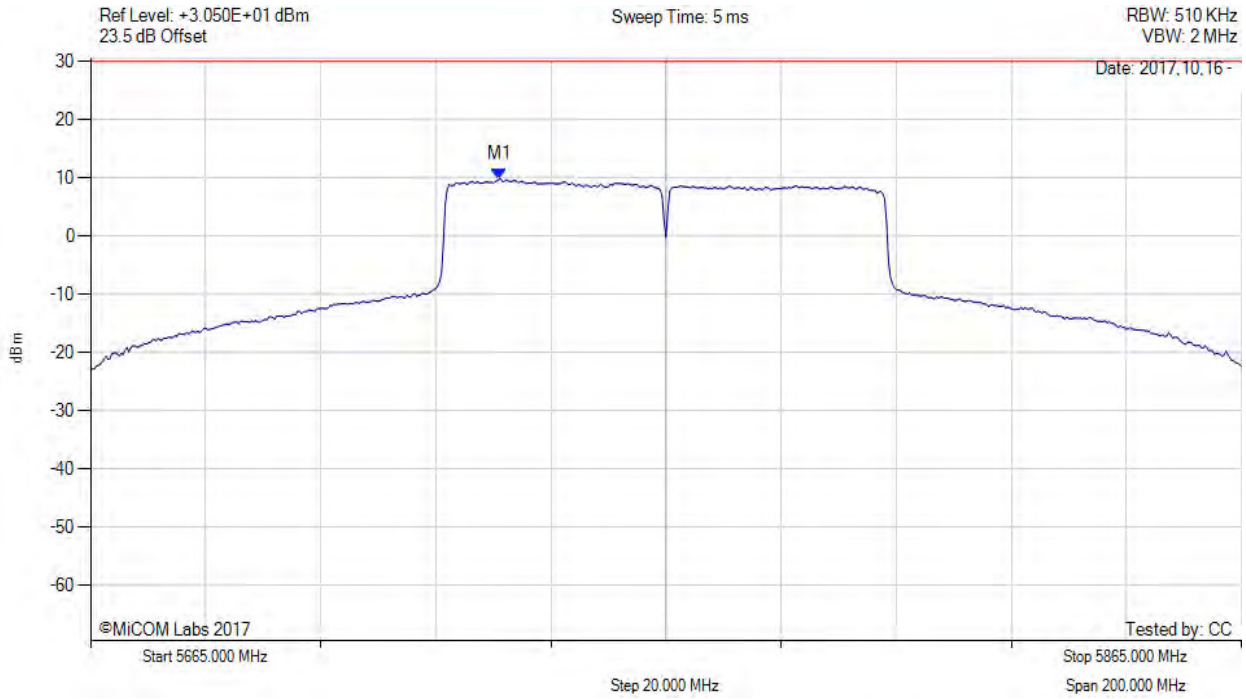
POWER SPECTRAL DENSITY

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



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

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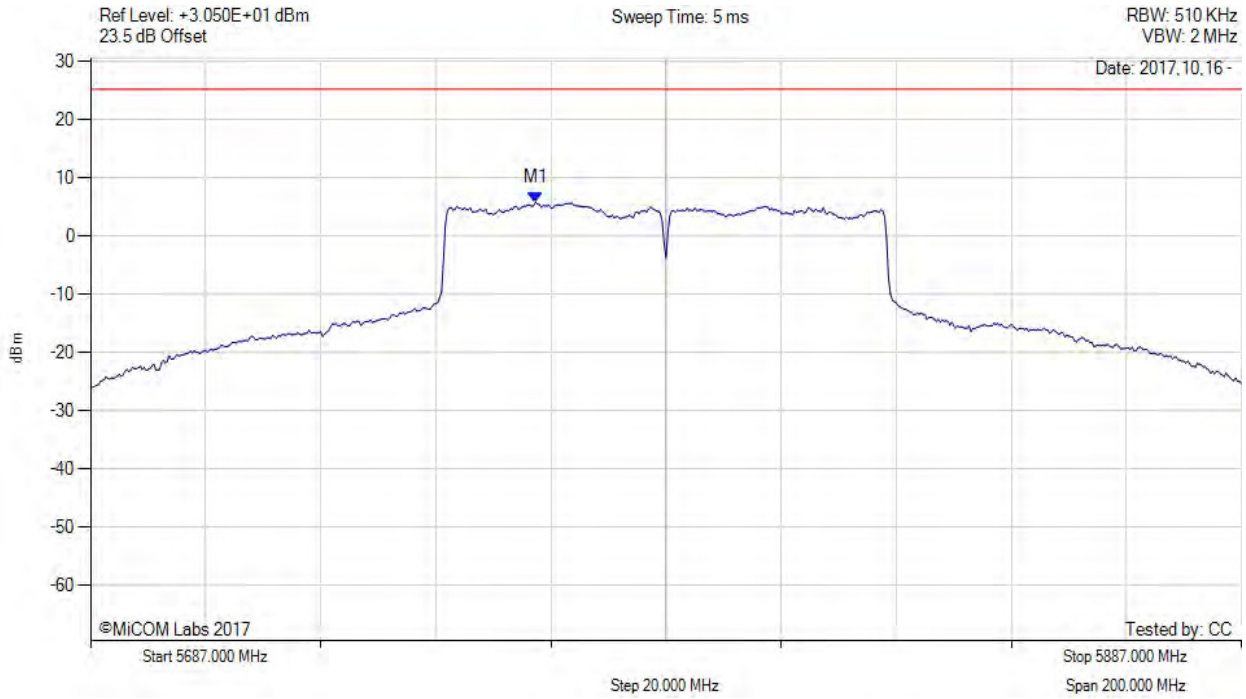
POWER SPECTRAL DENSITY

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



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

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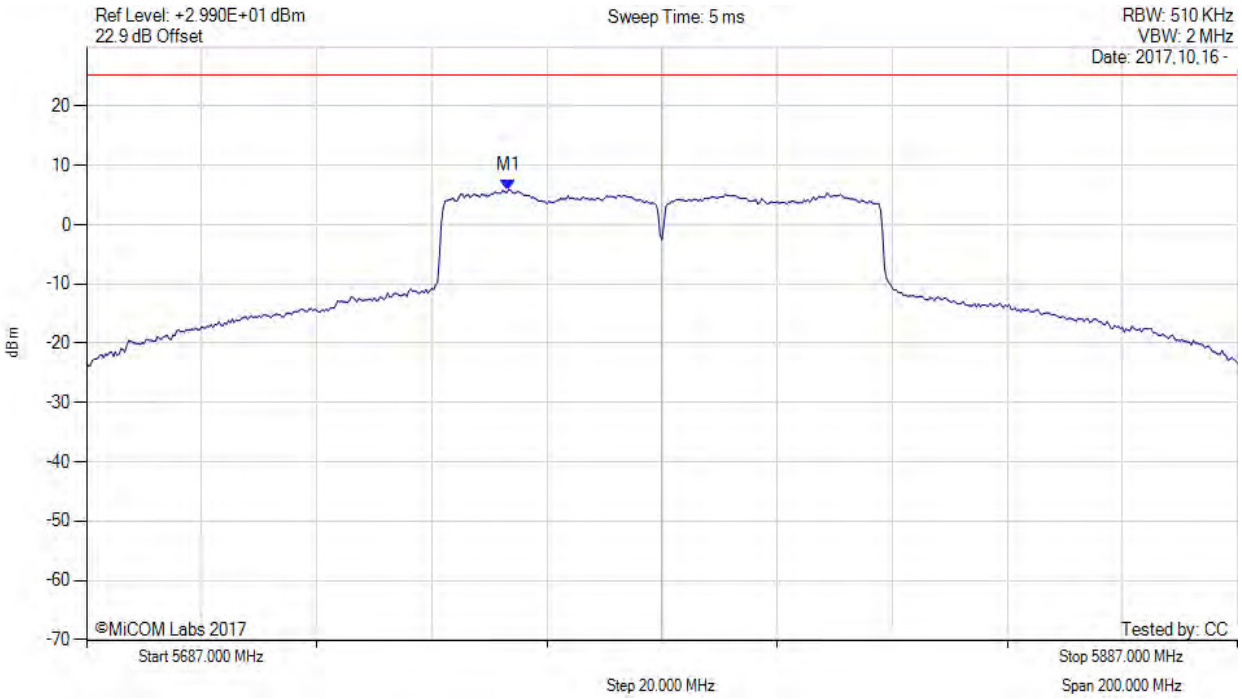
POWER SPECTRAL DENSITY

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



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

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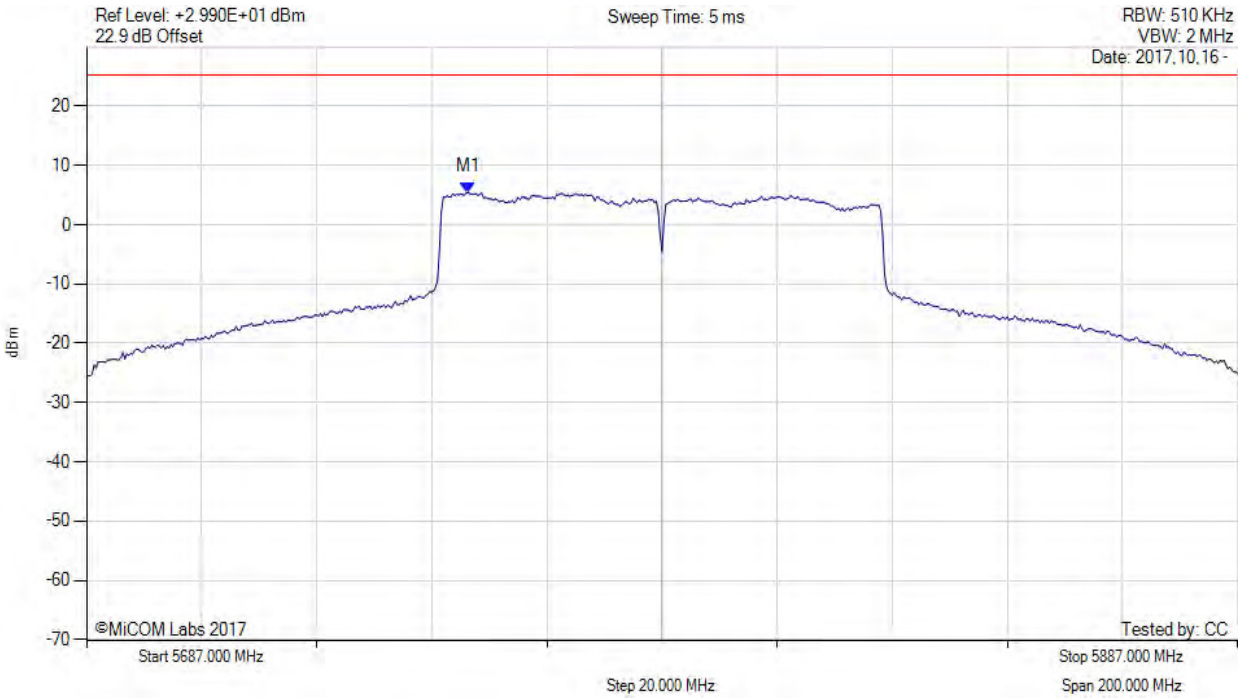
POWER SPECTRAL DENSITY

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



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

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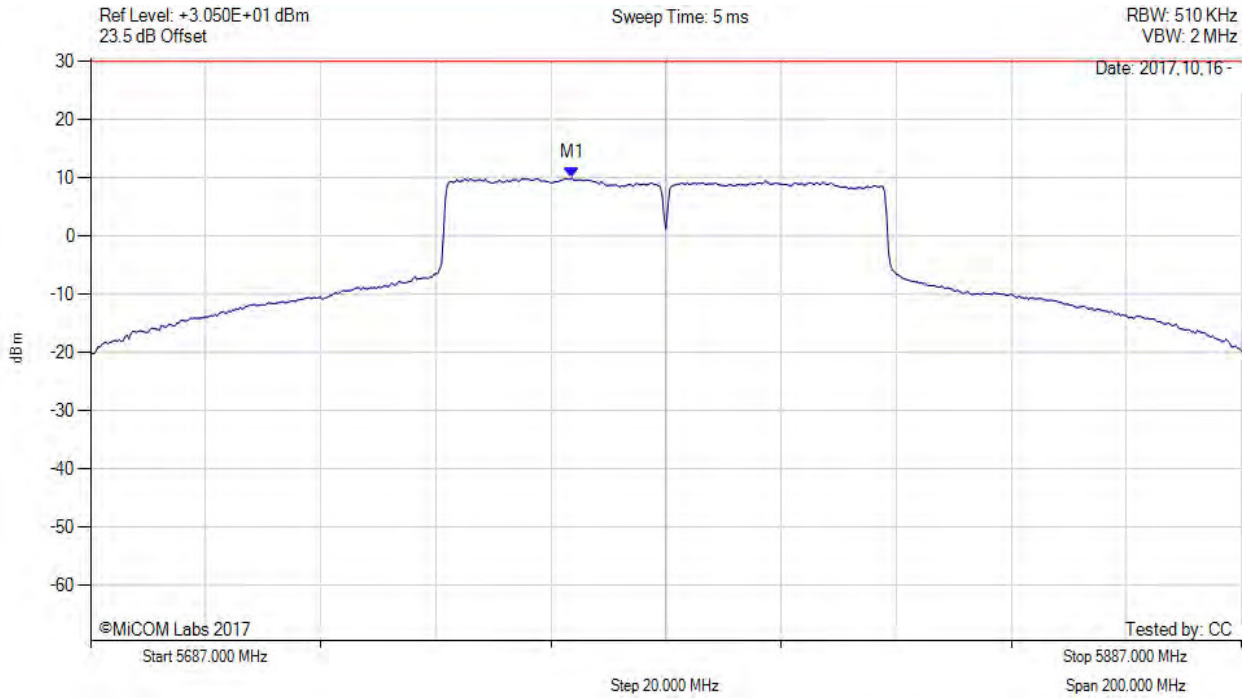
POWER SPECTRAL DENSITY

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



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

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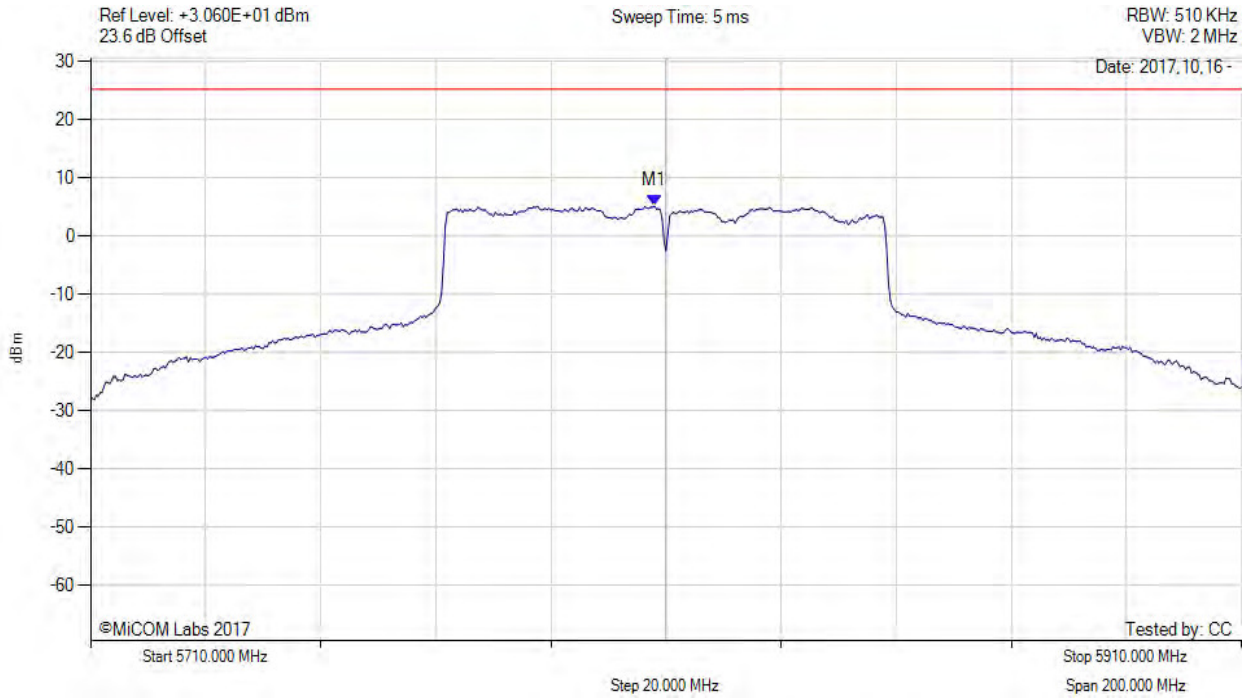
POWER SPECTRAL DENSITY

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



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

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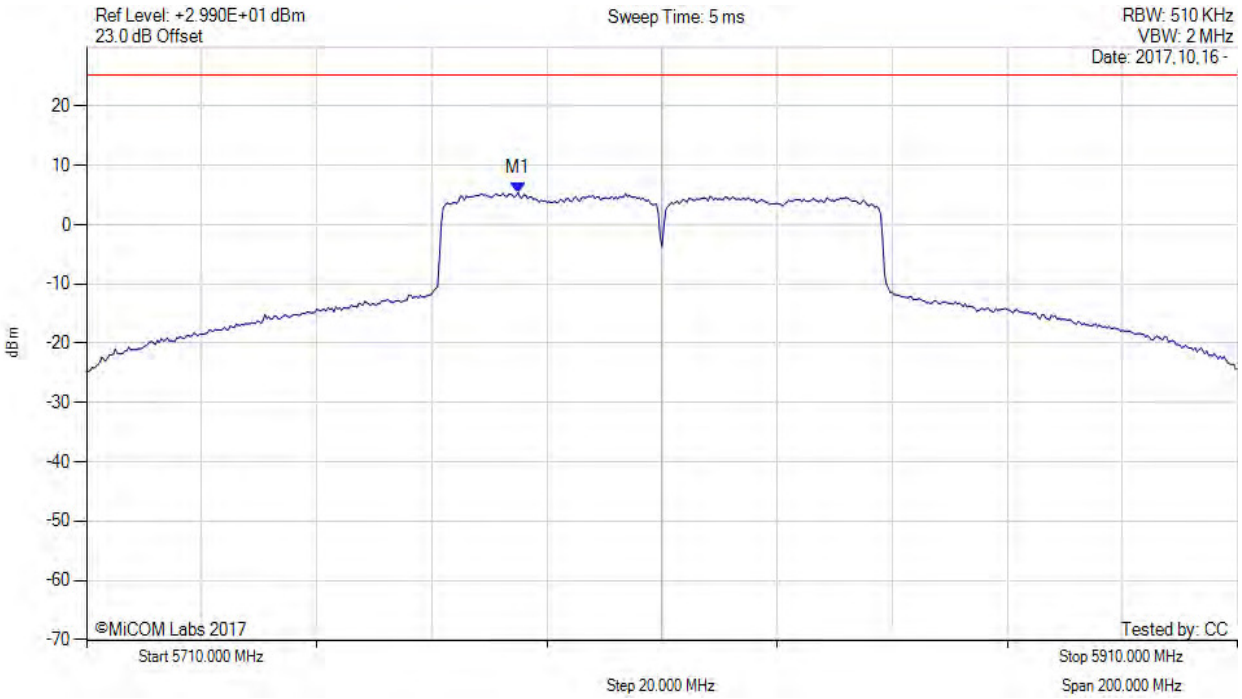
POWER SPECTRAL DENSITY

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



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

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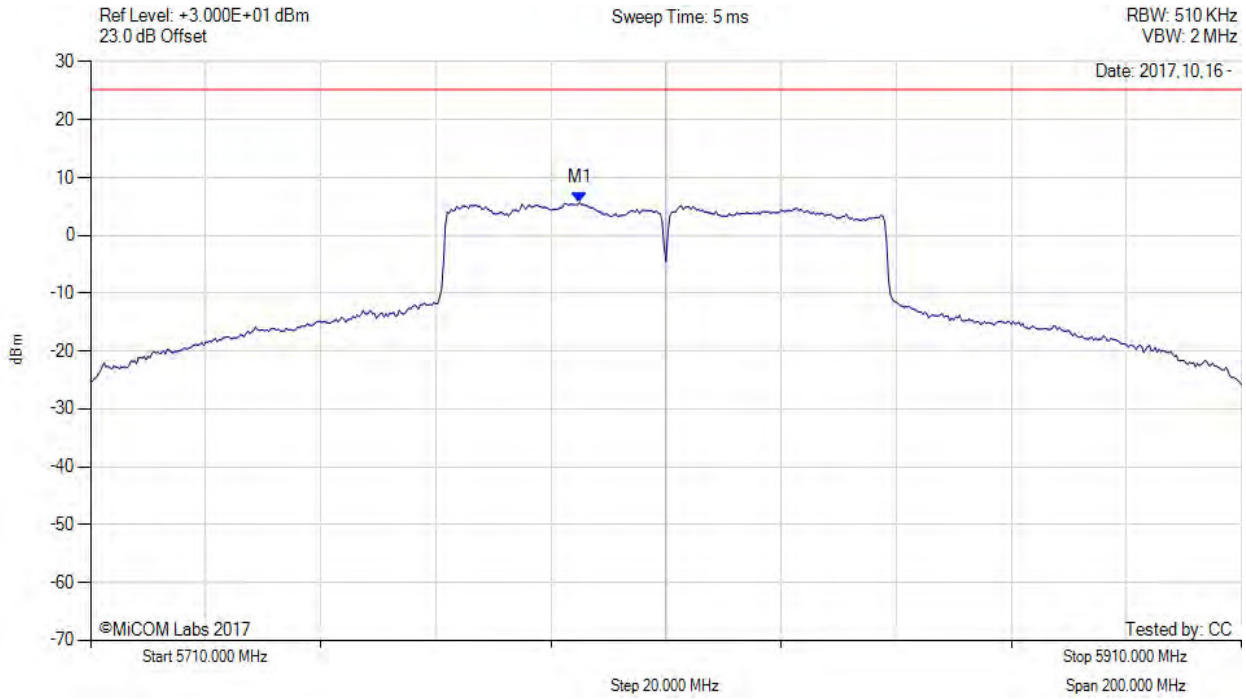
POWER SPECTRAL DENSITY

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



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

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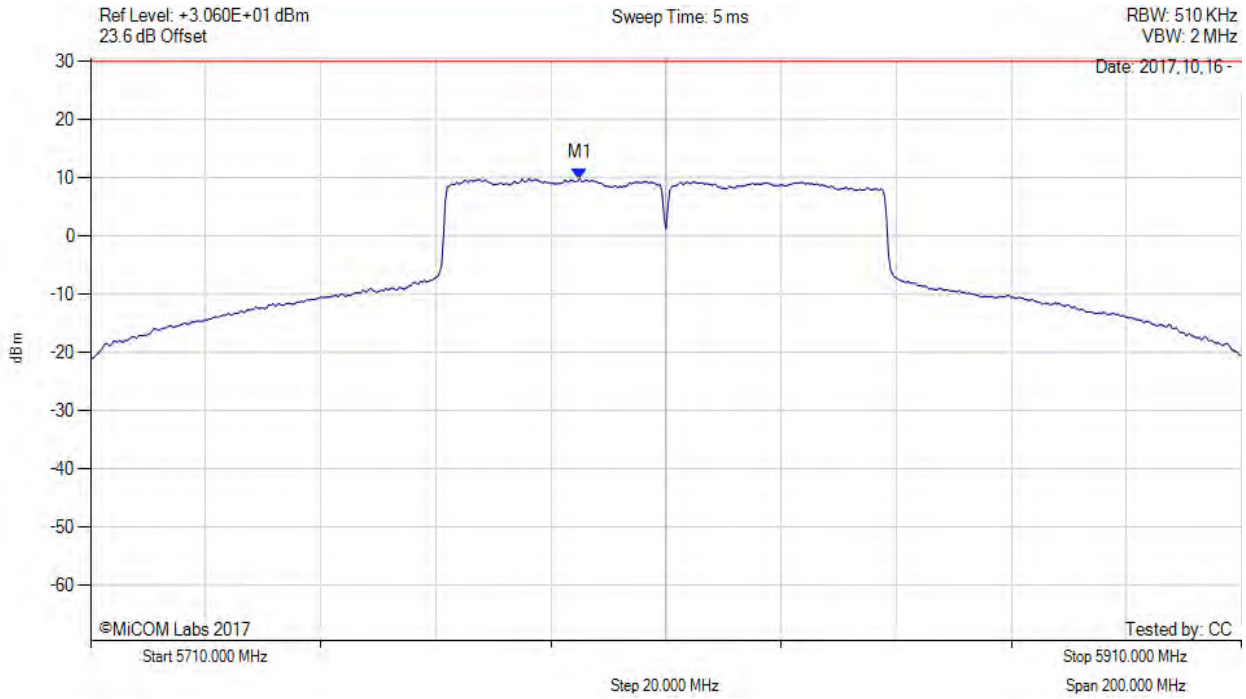
POWER SPECTRAL DENSITY

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



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

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