TEST REPORT ADDENDUM - CONDUCTED

FROM

Test of: Radwin Ltd. Outdoor Subscriber Radio Unit

To: FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS Bands)

Test Report Serial No.: RDWN41-U5_Conducted Rev A

Issue Date: 13th July 2016

Master Document Number	Addendum Reports
RDWN41-U5_Master	RDWN41-U5_Conducted
	RDWN41-U5_Radiated
	RDWN41-U5(FCC Part15B & ICES-003)

Table of Contents

1. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by MiTest. MiTest is an automated test system developed by MiCOM Labs. MiTest is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.

The MiCOM Labs "MiTest" Automated Test System" (Patent Pending)

2. TEST SUMMARY

List of Measurements

Test Header	Result	Data Link
15.407 (a) Peak Transmit Power	Complies	View Data
15.407 (a) 26 dB & 99% Bandwidth	Complies	View Data
15.407 (a)(5) Power Spectral Density	Complies	View Data

3. TEST RESULTS

3.1. 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.

Equipment Configuration for Peak Transmit Power

Variant:	10 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.09 dB) (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	
5160.0	17.78	16.47			20.19	--	30.00	-9.81	16.00
5200.0	23.27	22.17			25.77	--	30.00	-4.23	22.75
5245.0	23.33	22.44			25.92	--	30.00	-4.08	21.75

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power			
Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.09 dB) (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	
5165.0	15.13	13.93			17.59	--	30.00	-12.41	13.50
5200.0	25.04	24.12			27.62	--	30.00	-2.38	25.00
5240.0	25.57	25.07			28.34	--	30.00	-1.66	25.00

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power

Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.18 dB) (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	
5170.0	6.41	5.27			8.88	--	30.00	-21.12	5.25
5200.0	24.99	24.14			27.59	--	30.00	-2.41	25.00
5230.0	25.35	24.76			28.07	--	30.00	-1.93	25.00

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power			
Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.86 dB) (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	
5190.0	0.96	-0.26			3.40	--	30.00	-26.60	0.00
5200.0	26.09	24.81			28.51	--	30.00	-1.49	25.00
5210.0	26.13	24.84			28.54	--	30.00	-1.46	25.00

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power			
Variant:	10 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.09 dB) (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	7.97	6.31			10.23	--	30.00	-19.77	5.50
5785.0	26.15	25.10			28.67	--	30.00	-1.33	27.00
5845.0	1.88	0.43			4.23	--	30.00	-25.77	0.00

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power

Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.09 dB) (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	18.93	17.30			21.21	--	30.00	-8.79	16.50
5785.0	25.26	25.28			28.28	--	30.00	-1.72	27.00
5840.0	16.72	15.29			19.08	--	30.00	-10.92	14.50

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power

Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.18 dB) (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	21.52	19.36			23.58	--	30.00	-6.42	18.75
5785.0	24.85	24.86			27.87	--	30.00	-2.13	27.00
5825.0	20.90	19.55			23.28	--	30.00	-6.72	18.50

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

DCCF - Duty Cycle Correction Factor

Equipment Configuration for Peak Transmit Power

Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power + DCCF (+0.86 dB) (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	16.55	14.20			18.54	--	30.00	-11.46	13.50
5785.0	26.30	25.78			29.06	--	30.00	-0.94	27.00
5810.0	13.67	12.43			16.11	--	30.00	-13.89	11.50

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

DCCF - Duty Cycle Correction Factor

3.2. 26 dB & 99% Bandwidth

Conducted Test Conditions for 26 dB and 99% Bandwidth			
Standard:	FCC CFR 47:15.407	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	26 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 26 dB and 99% Bandwidth Measurement
The bandwidth at 26 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 approximately 1% of the emission bandwidth.
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 26 dB & 99% Occupied Bandwidth			
Variant:	10 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5160.0	19.790	17.184	--	--	19.790	17.184		
5200.0	19.489	16.383	--	--	19.489	16.383		
5245.0	15.631	16.232	--	--	16.232	15.631		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5160.0	10.922	8.717	--	--	10.922	8.717		
5200.0	9.419	8.617	--	--	9.419	8.617		
5245.0	8.517	8.467	--	--	8.517	8.467		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5165.0	44.088	42.385	--	--	44.088	42.385		
5200.0	43.888	43.287	--	--	43.888	43.287		
5240.0	43.287	44.289	--	--	44.289	43.287		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5165.0	28.758	27.355	--	--	28.758	27.355		
5200.0	29.459	28.958	--	--	29.459	28.958		
5240.0	27.956	30.261	--	--	30.261	27.956		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5170.0	87.575	86.172	--	--	87.575	86.172		
5200.0	90.180	86.573	--	--	90.180	86.573		
5230.0	88.176	87.575	--	--	88.176	87.575		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5170.0	57.916	60.721	--	--	60.721	57.916		
5200.0	60.321	59.719	--	--	60.321	59.719		
5230.0	57.315	61.523	--	--	61.523	57.315		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5190.0	192.786	173.547	--	--	192.786	173.547		
5200.0	189.178	179.559	--	--	189.178	179.559		
5210.0	190.381	182.365	--	--	190.381	182.365		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5190.0	135.872	121.443	--	--	135.872	121.443		
5200.0	139.479	125.852	--	--	139.479	125.852		
5210.0	138.677	129.459	--	--	138.677	129.459		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	10 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5730.0	24.148	22.395	--	--	24.148	22.395		
5785.0	23.196	22.846	--	--	23.196	22.846		
5845.0	24.599	22.445	--	--	24.599	22.445		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5730.0	17.435	14.429	--	--	17.435	14.429		
5785.0	16.383	15.782	--	--	16.383	15.782		
5845.0	17.735	15.030	--	--	17.735	15.030		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5735.0	48.397	42.685	--	--	48.397	42.685		
5785.0	47.796	44.790	--	--	47.796	44.790		
5840.0	24.499	43.988	--	--	43.988	24.499		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5735.0	34.269	27.555	--	--	34.269	27.555		
5785.0	31.663	31.062	--	--	31.663	31.062		
5840.0	35.772	29.459	--	--	35.772	29.459		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	91.383	83.367	--	--	91.383	83.367		
5785.0	89.780	87.976	--	--	89.780	87.976		
5825.0	93.387	87.174	--	--	93.387	87.174		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	64.930	52.305	--	--	64.930	52.305		
5785.0	61.323	60.521	--	--	61.323	60.521		
5825.0	64.128	62.124	--	--	64.128	62.124		

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).

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5765.0	199.599	193.587	--	--	199.599	193.587		
5785.0	197.996	195.992	--	--	197.996	195.992		
5810.0	197.996	197.996	--	--	197.996	197.996		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5765.0	157.114	140.281	--	--	157.114	140.281		
5785.0	150.301	146.693	--	--	150.301	146.693		
5810.0	153.908	150.701	--	--	153.908	150.701		

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).

3.3. 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)(5)	**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.

(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 (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.09 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5160.0	9.067	8.095	--	--	11.343	17.0	-5.66
5200.0	14.126	12.891	--	--	16.290	17.0	-0.71
5245.0	14.201	13.214	--	--	16.523	17.0	-0.48

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.09 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5165.0	3.074	2.227	--	--	5.021	17.0	-11.98
5200.0	12.021	11.432	--	--	14.065	17.0	-2.94
5240.0	12.584	12.130	--	--	15.365	17.0	-1.64

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.18 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5170.0	-9.853	-10.418	--	--	-7.325	17.0	-24.33
5200.0	7.494	6.250	--	--	9.576	17.0	-7.42
5230.0	6.896	6.165	--	--	8.855	17.0	-8.15

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.86 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5190.0	-21.984	-22.345	--	--	-18.915	17.0	-35.92
5200.0	-0.699	-0.477	--	--	2.761	17.0	-14.24
5210.0	-0.582	1.134	--	--	3.923	17.0	-13.08

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	10 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/500 KHz)				Summation Peak Marker + DCCF (+0.09 dB)	Limit	Margin
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5730.0	-3.763	-5.029	--	--	-1.363	30.0	-31.4
5785.0	13.326	13.244	--	--	16.152	30.0	-13.9
5845.0	-9.336	-11.412	--	--	-7.416	30.0	-37.4

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/500 KHz)				Summation Peak Marker + DCCF (+0.09 dB)	Limit	Margin
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5735.0	3.597	3.155	--	--	5.871	30.0	-24.1
5785.0	8.653	9.241	--	--	11.823	30.0	-18.2
5840.0	2.125	1.101	--	--	4.064	30.0	-25.9

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/500 KHz)				Summation Peak Marker + DCCF (+0.18 dB)	Limit	Margin
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5745.0	0.873	-0.659	--	--	3.186	30.0	-26.8
5785.0	5.179	4.103	--	--	7.242	30.0	-22.8
5825.0	1.097	0.451	--	--	2.196	30.0	-27.8

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	16.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/500 KHz)				Summation Peak Marker + DCCF (+0.86 dB)	Limit	Margin
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5765.0	-13.048	-11.892	--	--	-9.654	30.0	-39.7
5785.0	-2.387	-1.550	--	--	1.221	30.0	-28.8
5810.0	-12.958	-13.727	--	--	-10.367	30.0	-40.4

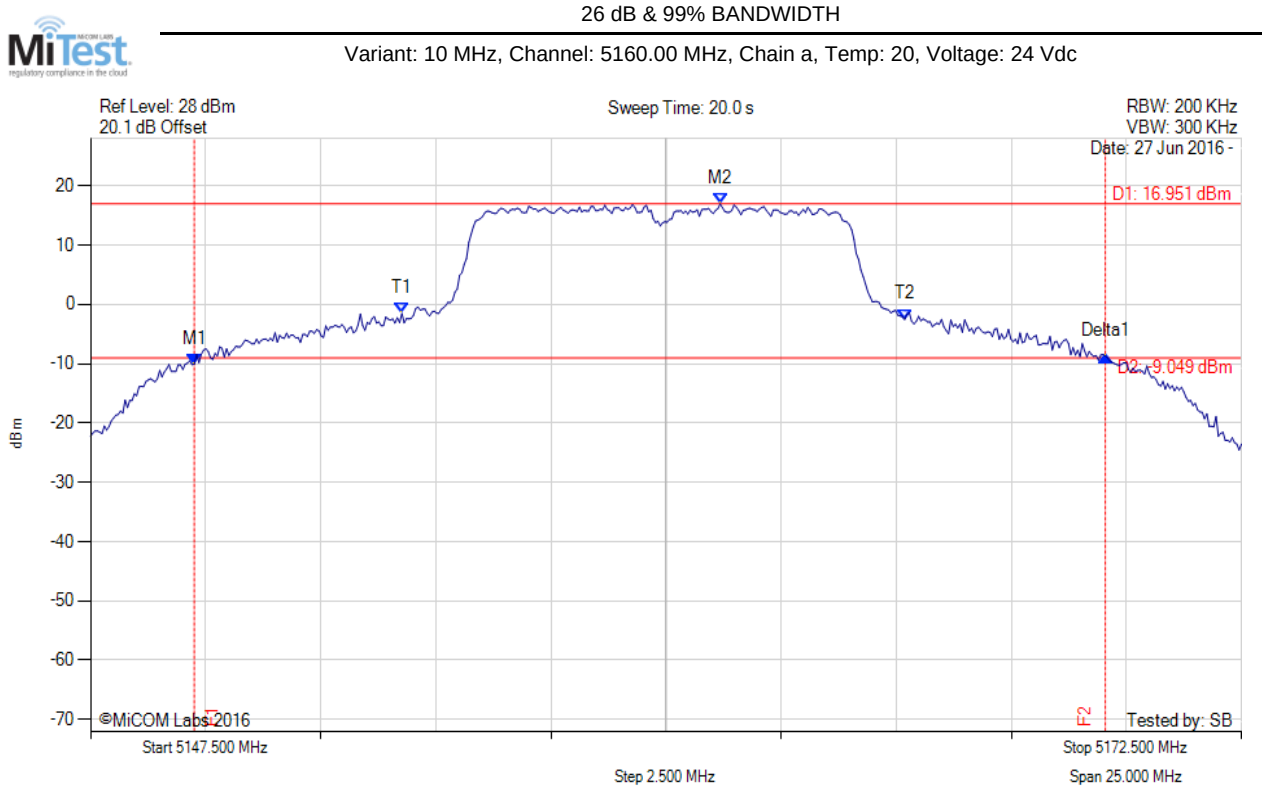
Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	2.81 dB

DCCF - Duty Cycle Correction Factor

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

A. APPENDIX - GRAPHICAL IMAGES

A.1. 26 dB & 99% Bandwidth

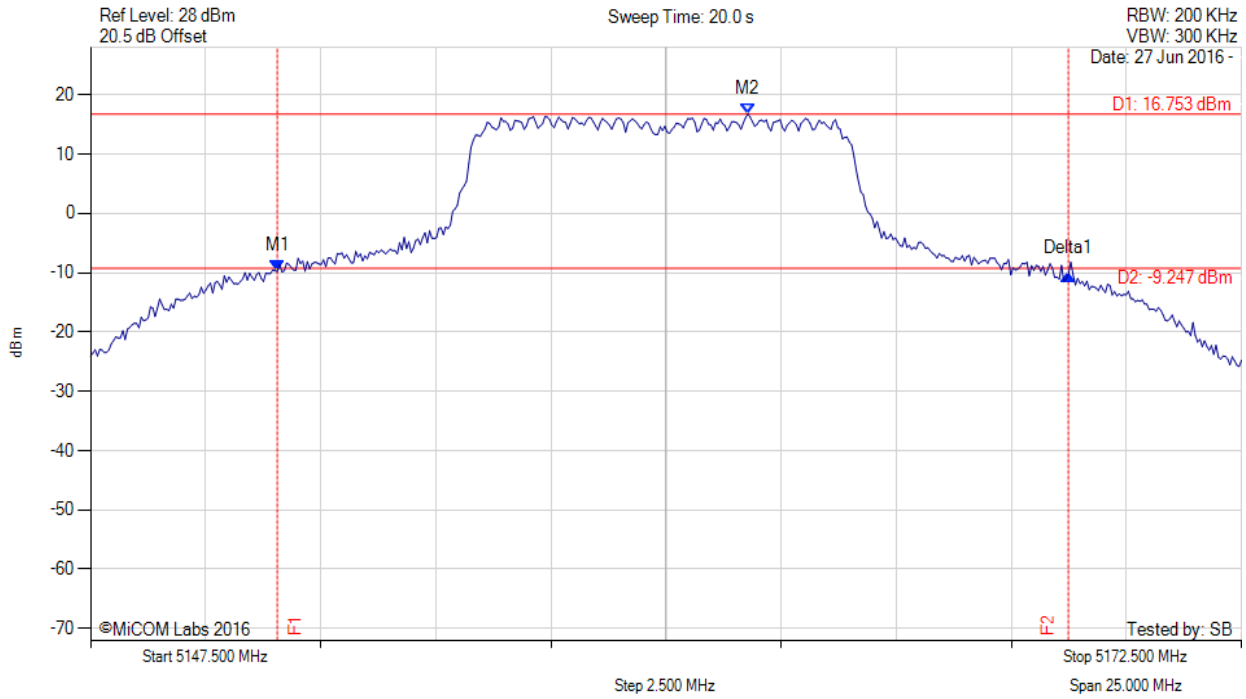


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5149.755 MHz : -10.051 dBm M2 : 5161.177 MHz : 16.951 dBm Delta1 : 19.790 MHz : 1.354 dB T1 : 5154.264 MHz : -1.526 dBm T2 : 5165.185 MHz : -2.531 dBm OBW : 10.922 MHz	Measured 26 dB Bandwidth: 19.790 MHz Measured 99% Bandwidth: 10.922 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5160.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

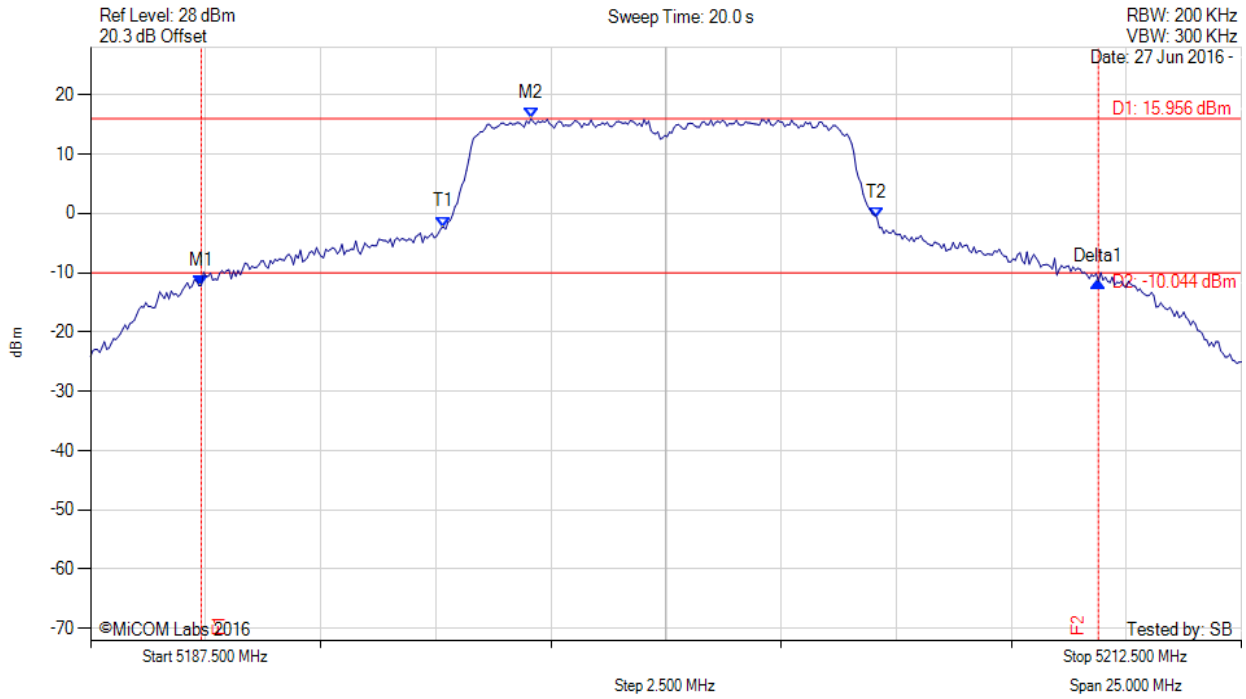


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5151.558 MHz : -9.744 dBm M2 : 5161.779 MHz : 16.753 dBm Delta1 : 17.184 MHz : -0.498 dB T1 : 0 Hz : 500.000 dBm T2 : 0 Hz : 500.000 dBm OBW : 8.717 MHz	Measured 26 dB Bandwidth: 17.184 MHz Measured 99% Bandwidth: 8.717 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

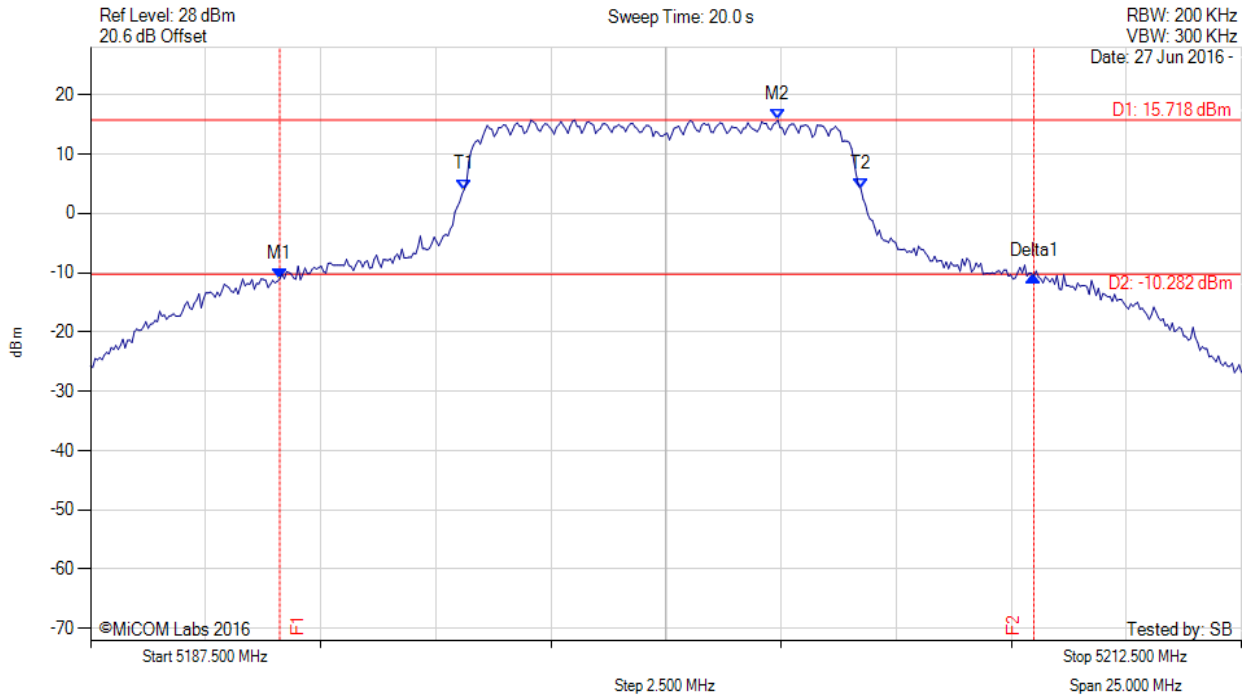


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5189.905 MHz : -12.169 dBm M2 : 5197.069 MHz : 15.956 dBm Delta1 : 19.489 MHz : 0.696 dB T1 : 5195.165 MHz : -2.305 dBm T2 : 5204.584 MHz : -0.816 dBm OBW : 9.419 MHz	Measured 26 dB Bandwidth: 19.489 MHz Measured 99% Bandwidth: 9.419 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

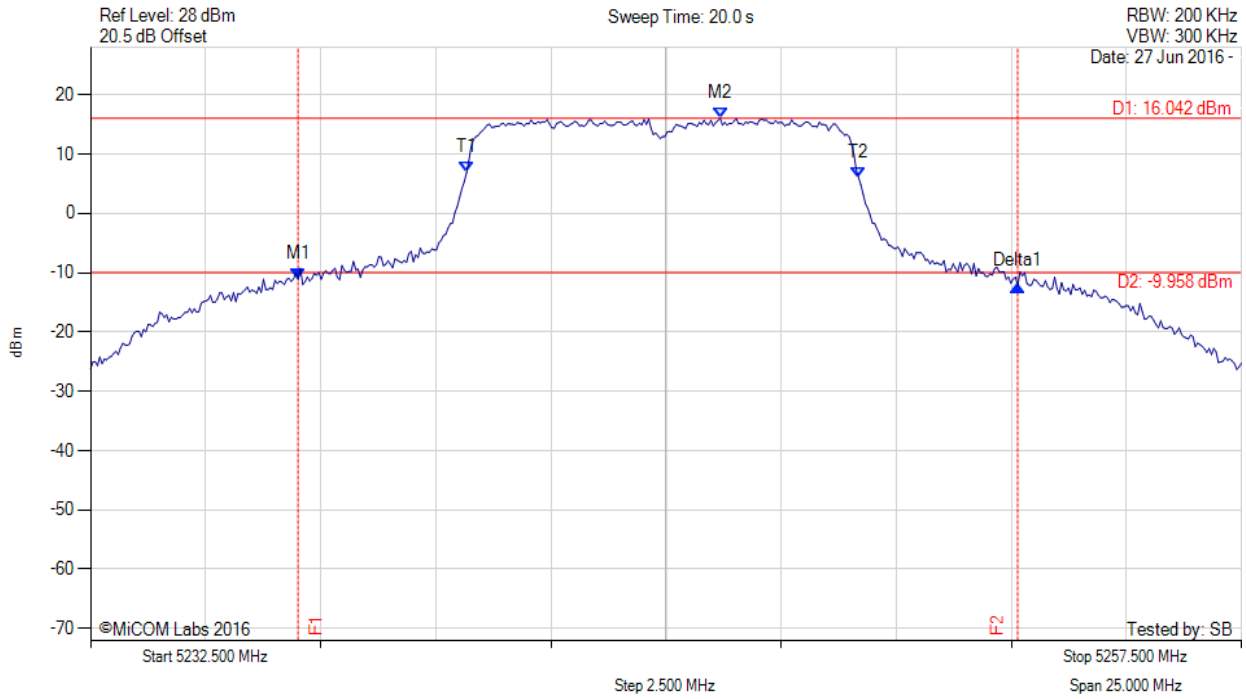


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5191.608 MHz : -11.103 dBm M2 : 5202.430 MHz : 15.718 dBm Delta1 : 16.383 MHz : 0.578 dB T1 : 5195.616 MHz : 4.014 dBm T2 : 5204.233 MHz : 4.138 dBm OBW : 8.617 MHz	Measured 26 dB Bandwidth: 16.383 MHz Measured 99% Bandwidth: 8.617 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5245.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

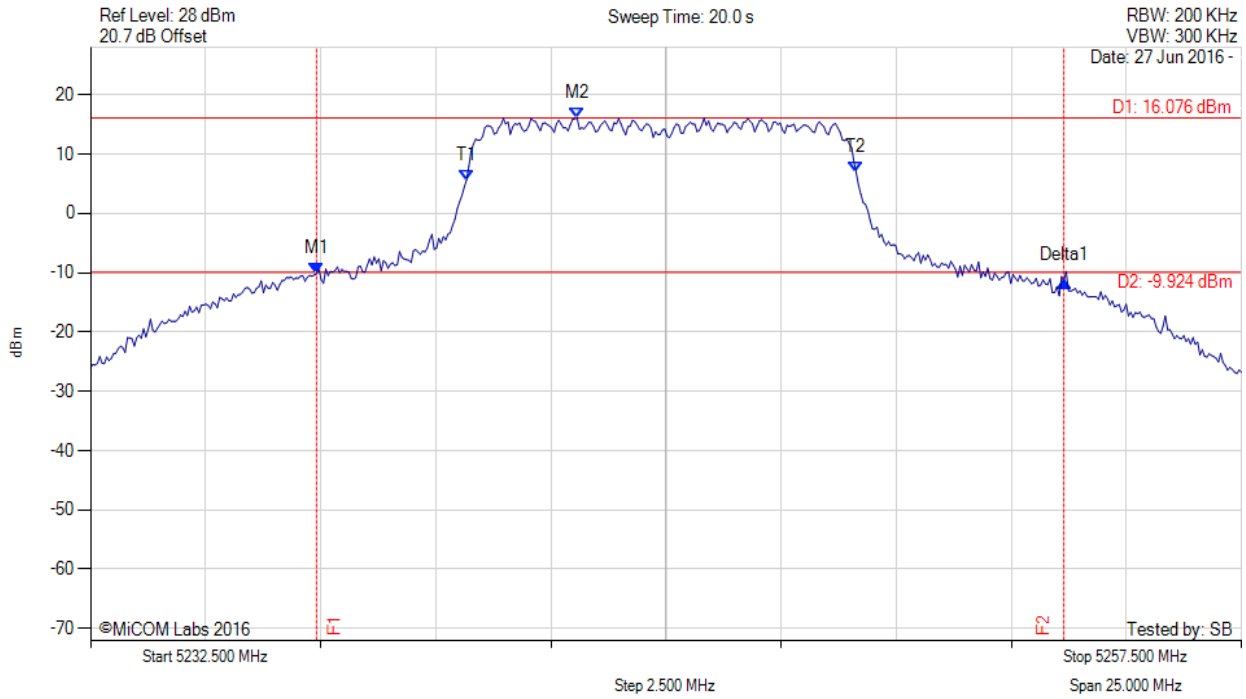


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5237.009 MHz : -11.117 dBm M2 : 5246.177 MHz : 16.042 dBm Delta1 : 15.631 MHz : -1.039 dB T1 : 5240.666 MHz : 6.863 dBm T2 : 5249.183 MHz : 6.029 dBm OBW : 8.517 MHz	Measured 26 dB Bandwidth: 15.631 MHz Measured 99% Bandwidth: 8.517 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5245.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

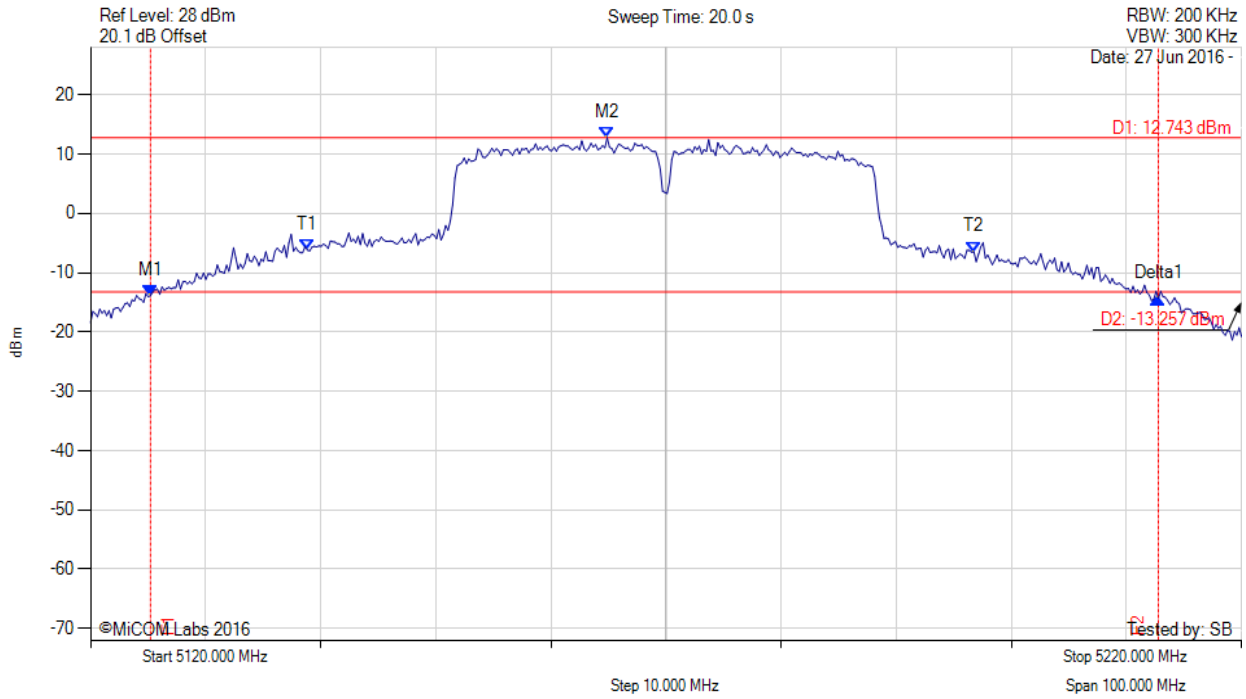


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5237.410 MHz : -10.155 dBm M2 : 5243.071 MHz : 16.076 dBm Delta1 : 16.232 MHz : -1.247 dB T1 : 5240.666 MHz : 5.635 dBm T2 : 5249.133 MHz : 6.849 dBm OBW : 8.467 MHz	Measured 26 dB Bandwidth: 16.232 MHz Measured 99% Bandwidth: 8.467 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5170.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

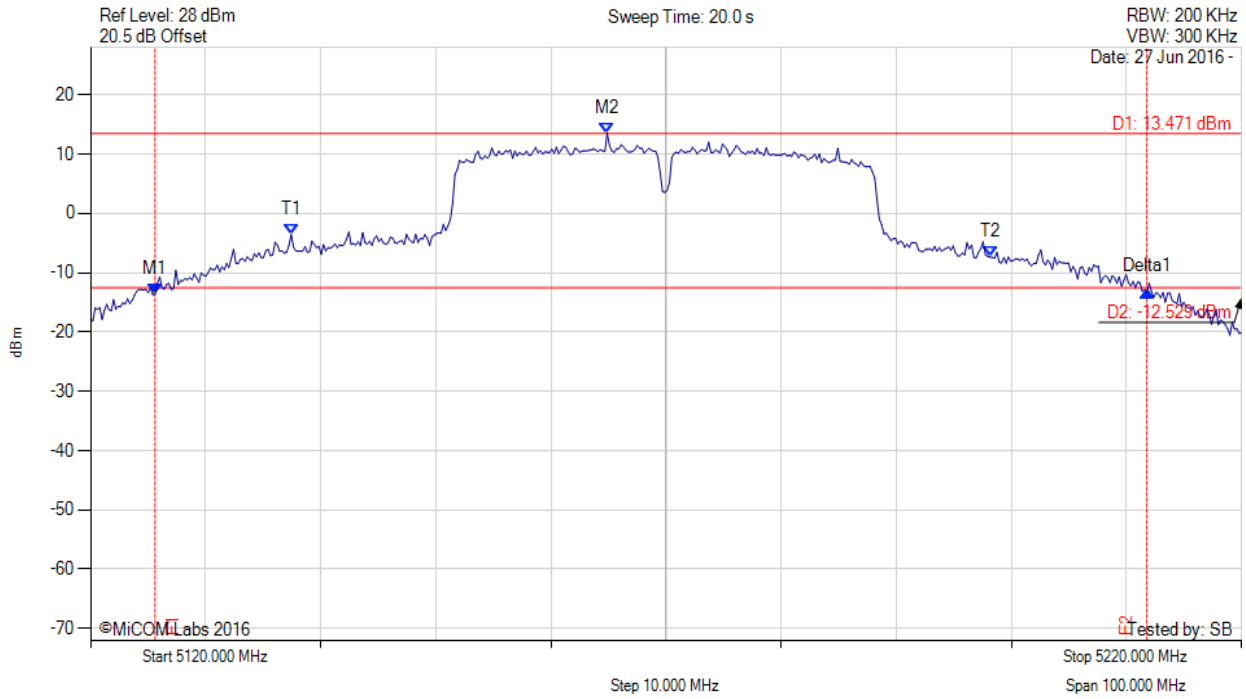


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5125.210 MHz : -13.879 dBm M2 : 5164.890 MHz : 12.743 dBm Delta1 : 87.575 MHz : -0.447 dB T1 : 5138.838 MHz : -6.177 dBm T2 : 5196.754 MHz : -6.500 dBm OBW : 57.916 MHz	Measured 26 dB Bandwidth: 87.575 MHz Measured 99% Bandwidth: 57.916 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5170.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

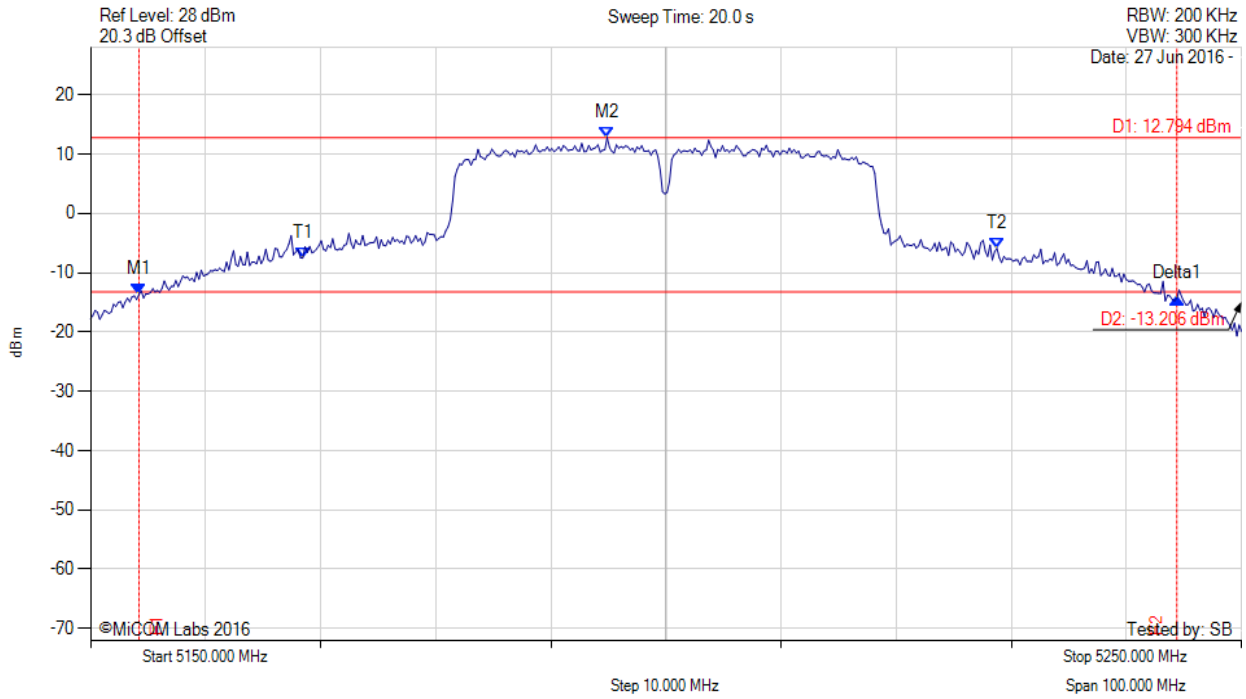


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5125.611 MHz : -13.576 dBm M2 : 5164.890 MHz : 13.471 dBm Delta1 : 86.172 MHz : 0.329 dB T1 : 5137.435 MHz : -3.584 dBm T2 : 5198.156 MHz : -7.357 dBm OBW : 60.721 MHz	Measured 26 dB Bandwidth: 86.172 MHz Measured 99% Bandwidth: 60.721 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

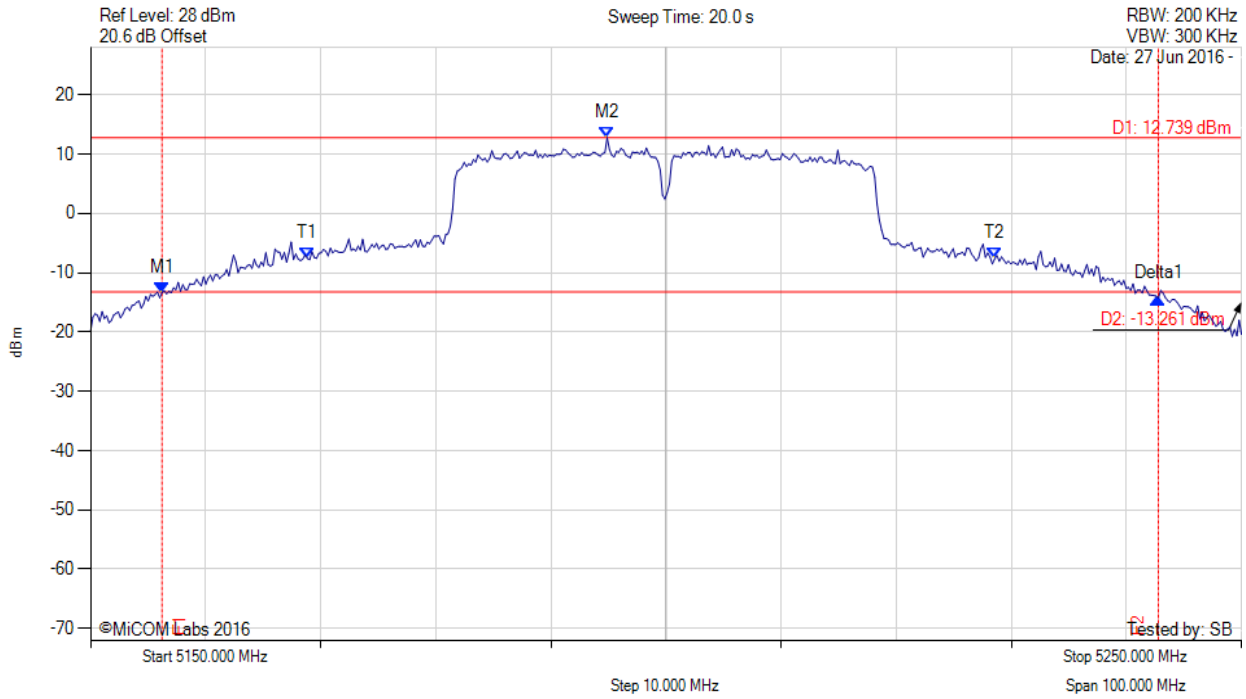


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5154.208 MHz : -13.659 dBm M2 : 5194.890 MHz : 12.794 dBm Delta1 : 90.180 MHz : -0.586 dB T1 : 5168.437 MHz : -7.540 dBm T2 : 5228.758 MHz : -5.896 dBm OBW : 60.321 MHz	Measured 26 dB Bandwidth: 90.180 MHz Measured 99% Bandwidth: 60.321 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

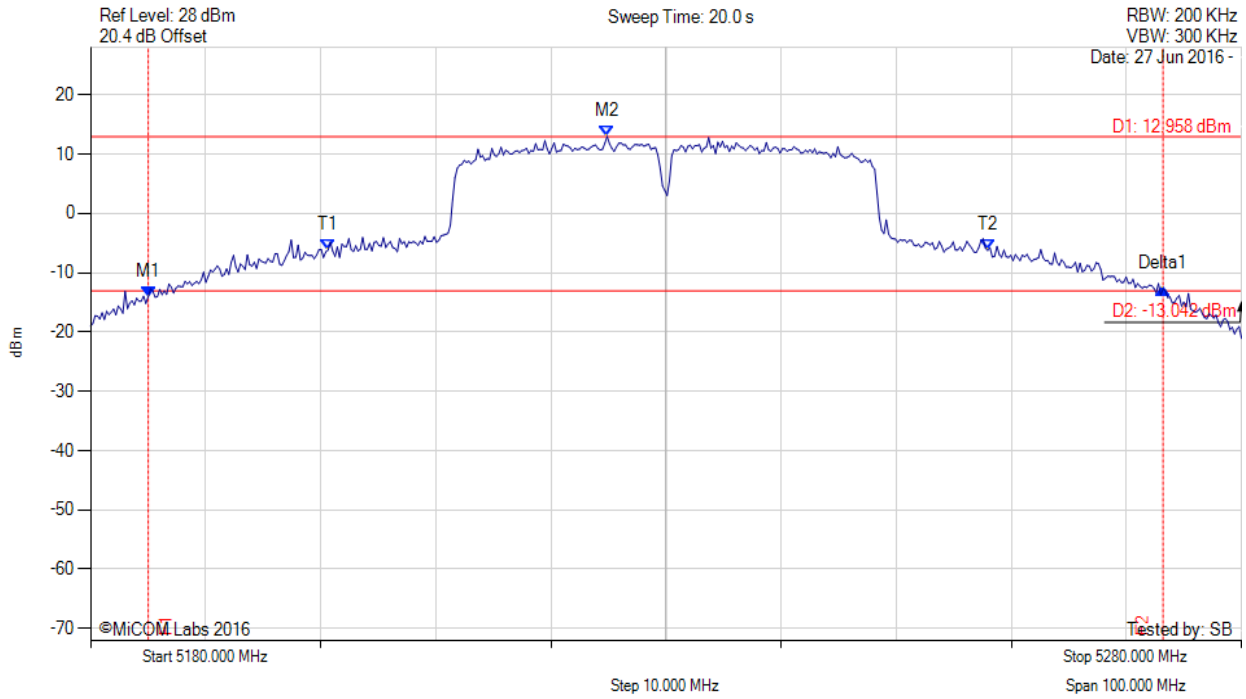


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5156.212 MHz : -13.328 dBm M2 : 5194.890 MHz : 12.739 dBm Delta1 : 86.573 MHz : -0.925 dB T1 : 5168.838 MHz : -7.584 dBm T2 : 5228.557 MHz : -7.647 dBm OBW : 59.719 MHz	Measured 26 dB Bandwidth: 86.573 MHz Measured 99% Bandwidth: 59.719 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5230.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

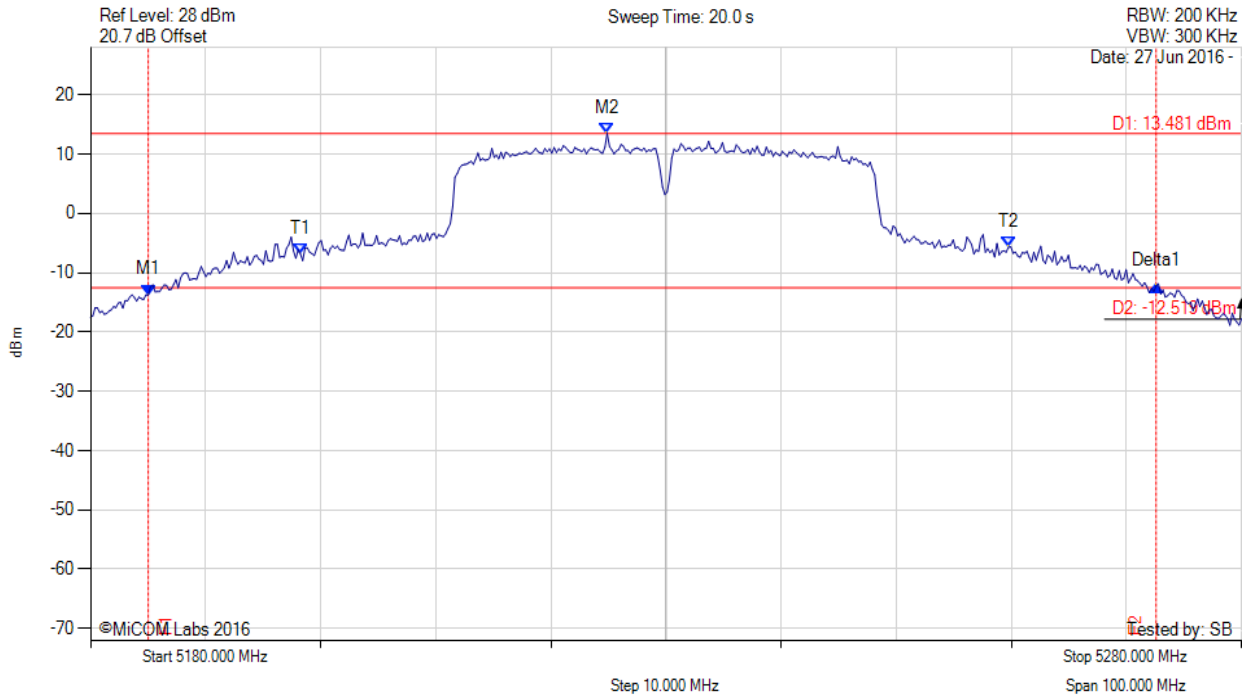


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5185.010 MHz : -14.015 dBm M2 : 5224.890 MHz : 12.958 dBm Delta1 : 88.176 MHz : 1.271 dB T1 : 5200.641 MHz : -6.177 dBm T2 : 5257.956 MHz : -6.226 dBm OBW : 57.315 MHz	Measured 26 dB Bandwidth: 88.176 MHz Measured 99% Bandwidth: 57.315 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5230.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

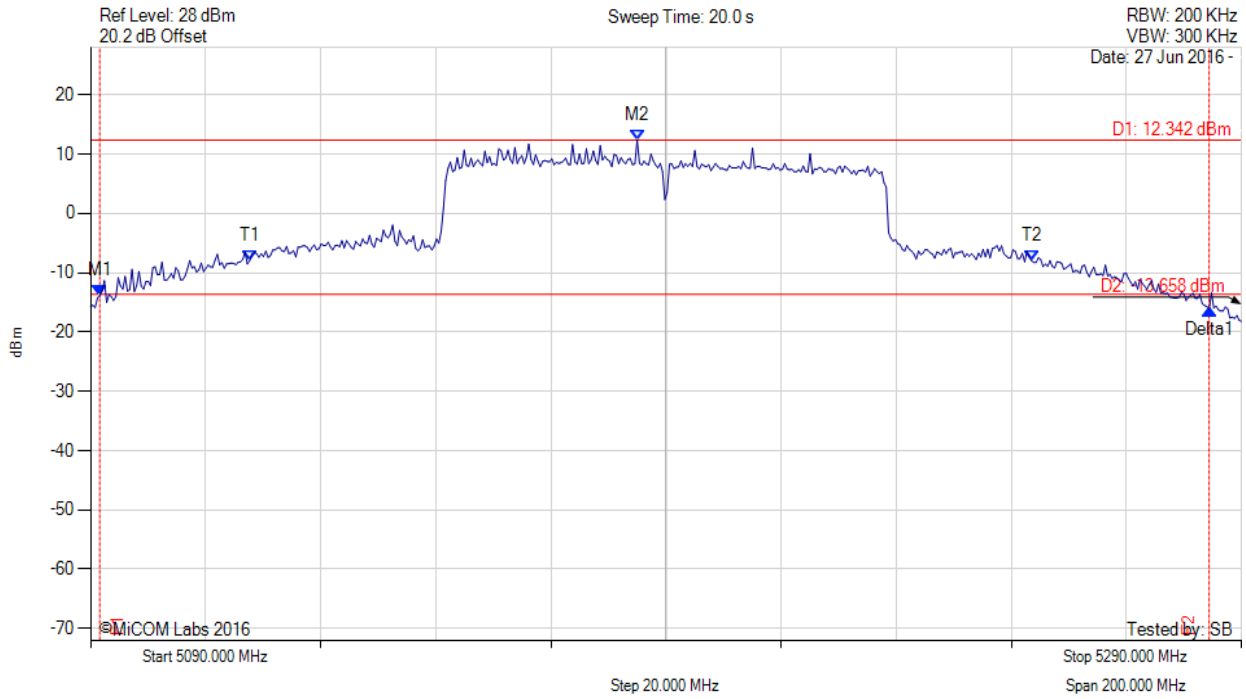


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5185.010 MHz : -13.734 dBm M2 : 5224.890 MHz : 13.481 dBm Delta1 : 87.575 MHz : 1.503 dB T1 : 5198.236 MHz : -6.840 dBm T2 : 5259.760 MHz : -5.726 dBm OBW : 61.523 MHz	Measured 26 dB Bandwidth: 87.575 MHz Measured 99% Bandwidth: 61.523 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5190.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

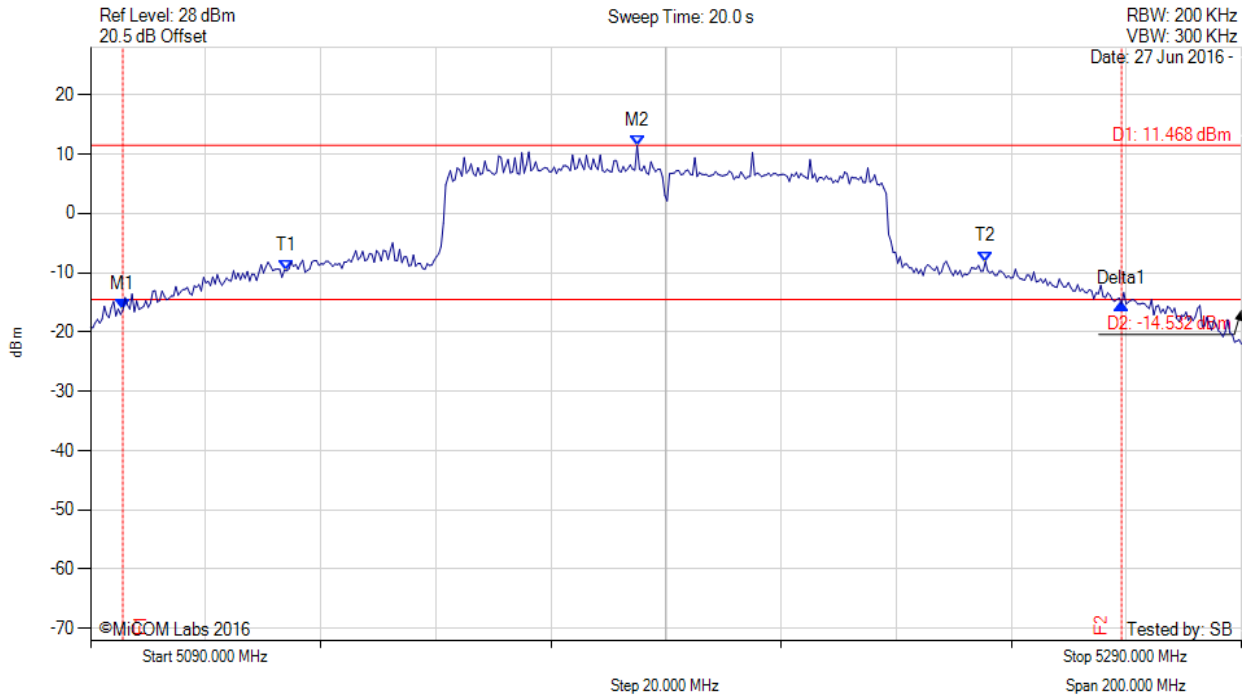


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5091.603 MHz : -13.924 dBm M2 : 5184.990 MHz : 12.342 dBm Delta1 : 192.786 MHz : -2.207 dB T1 : 5117.655 MHz : -7.953 dBm T2 : 5253.527 MHz : -8.001 dBm OBW : 135.872 MHz	Measured 26 dB Bandwidth: 192.786 MHz Measured 99% Bandwidth: 135.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5190.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

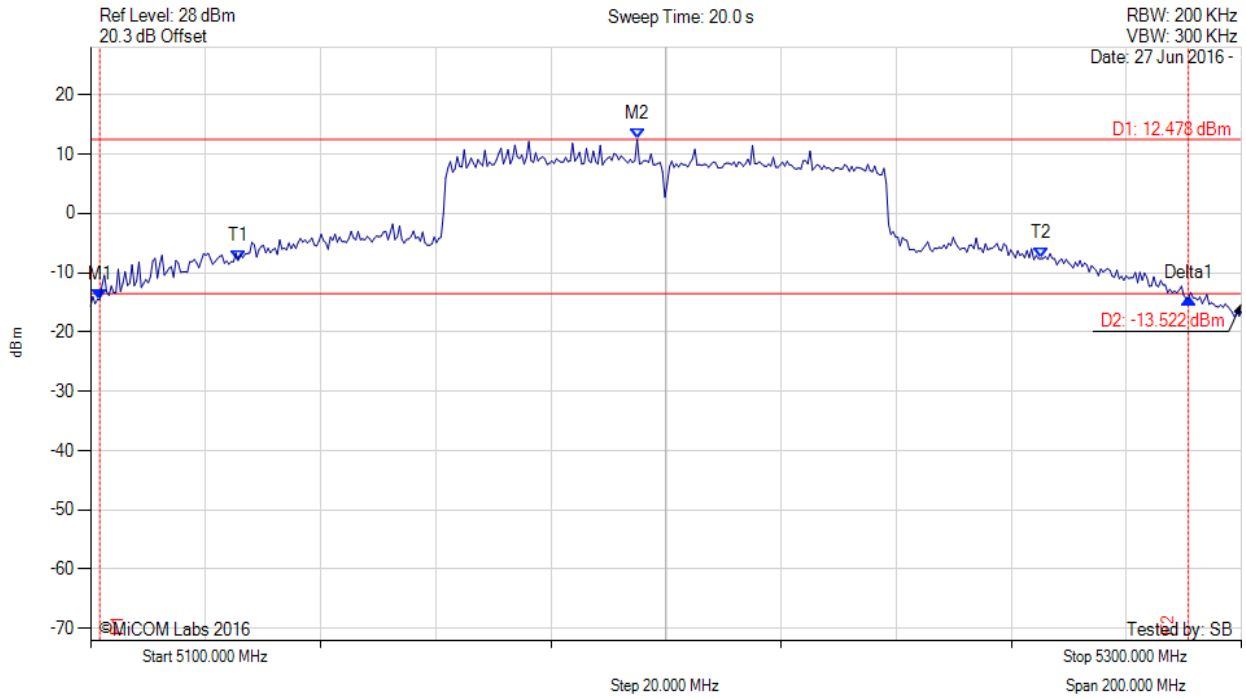


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5095.611 MHz : -16.301 dBm M2 : 5184.990 MHz : 11.468 dBm Delta1 : 173.547 MHz : 1.007 dB T1 : 5124.068 MHz : -9.675 dBm T2 : 5245.511 MHz : -8.132 dBm OBW : 121.443 MHz	Measured 26 dB Bandwidth: 173.547 MHz Measured 99% Bandwidth: 121.443 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

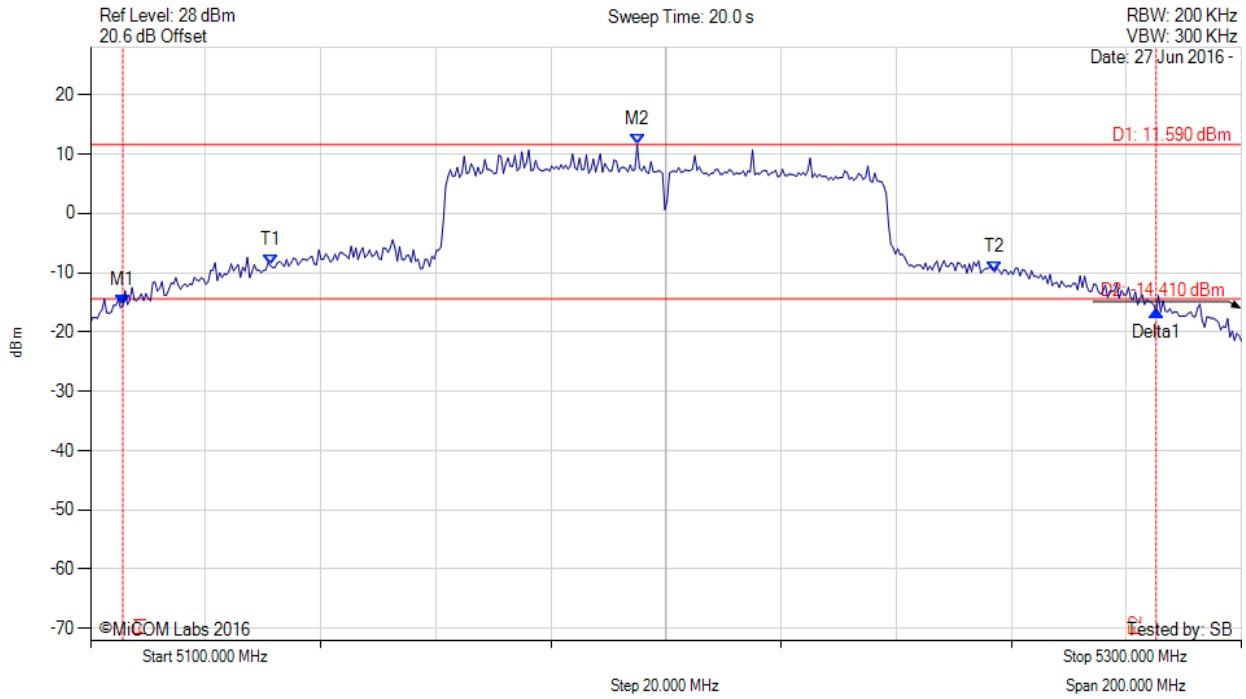


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5101.603 MHz : -14.467 dBm M2 : 5194.990 MHz : 12.478 dBm Delta1 : 189.178 MHz : 0.120 dB T1 : 5125.651 MHz : -7.920 dBm T2 : 5265.130 MHz : -7.639 dBm OBW : 139.479 MHz	Measured 26 dB Bandwidth: 189.178 MHz Measured 99% Bandwidth: 139.479 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

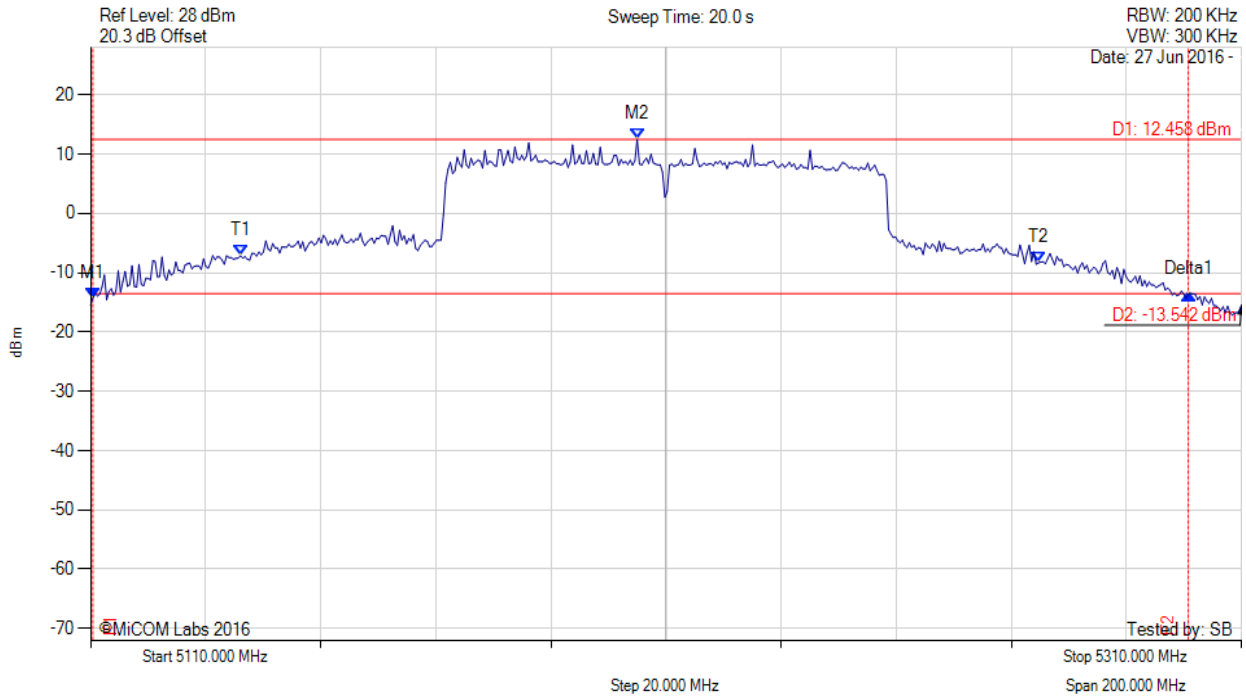


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5105.611 MHz : -15.571 dBm M2 : 5194.990 MHz : 11.590 dBm Delta1 : 179.559 MHz : -0.954 dB T1 : 5131.263 MHz : -8.815 dBm T2 : 5257.114 MHz : -9.836 dBm OBW : 125.852 MHz	Measured 26 dB Bandwidth: 179.559 MHz Measured 99% Bandwidth: 125.852 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5210.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

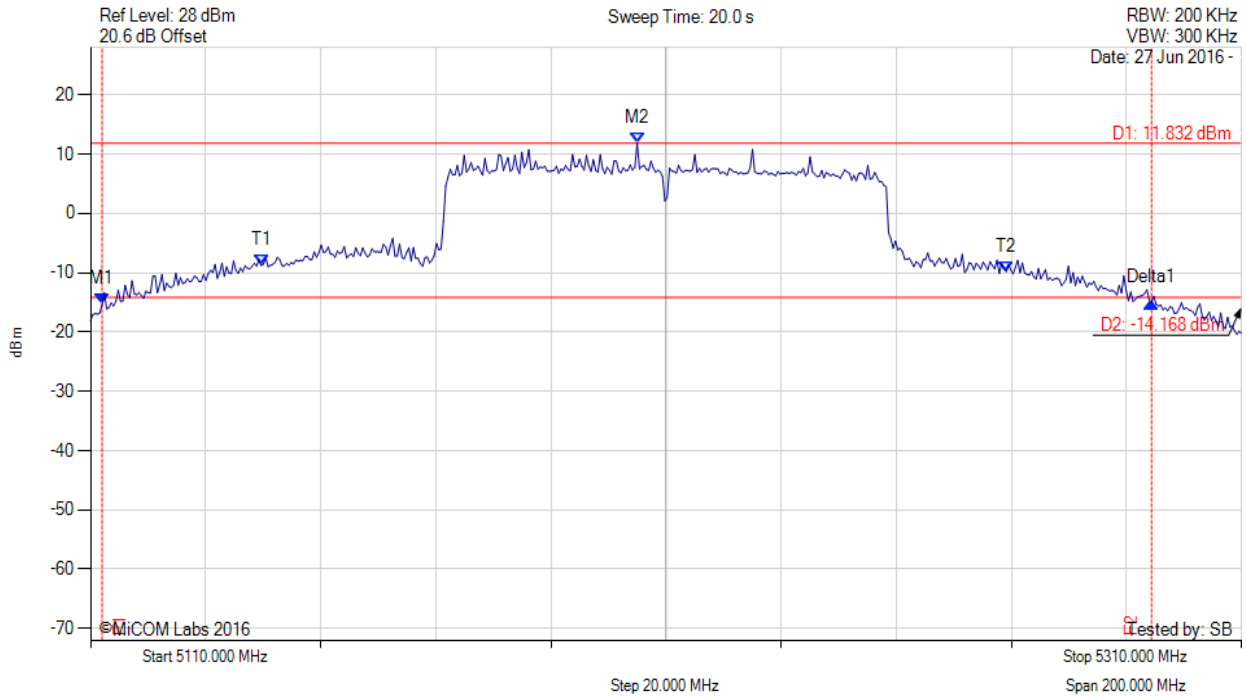


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5110.401 MHz : -14.251 dBm M2 : 5204.990 MHz : 12.458 dBm Delta1 : 190.381 MHz : 0.563 dB T1 : 5136.052 MHz : -7.155 dBm T2 : 5274.729 MHz : -8.323 dBm OBW : 138.677 MHz	Measured 26 dB Bandwidth: 190.381 MHz Measured 99% Bandwidth: 138.677 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5210.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

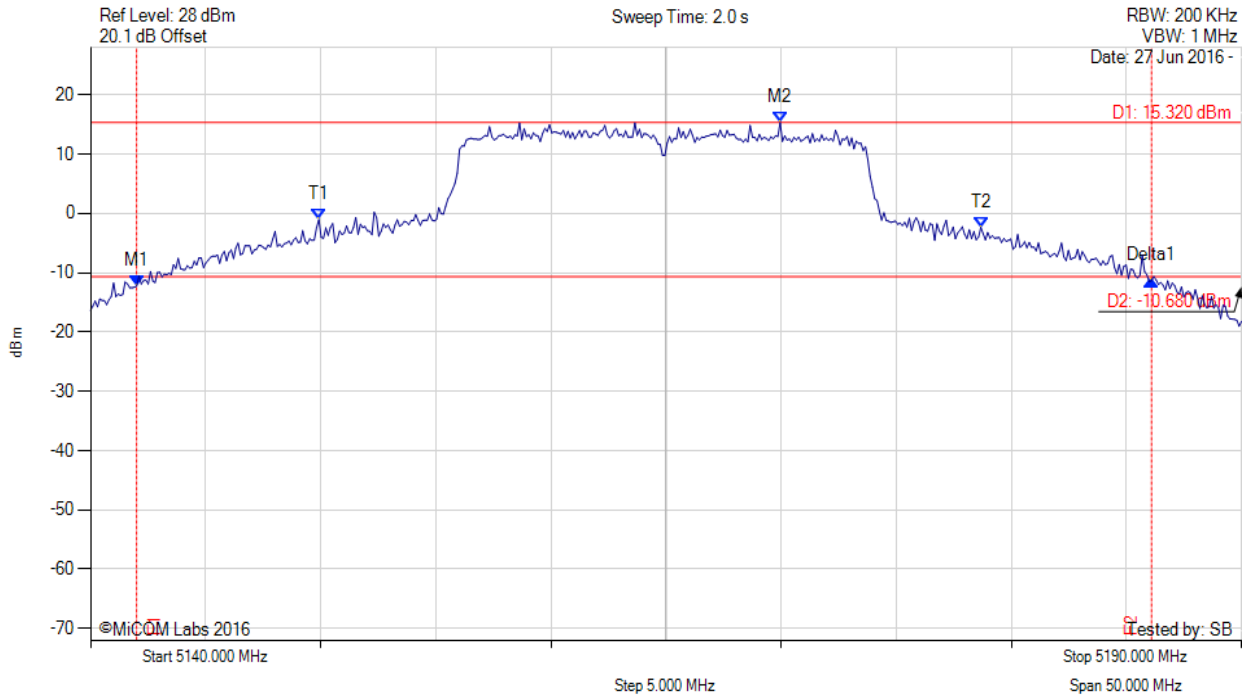


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5112.004 MHz : -15.327 dBm M2 : 5204.990 MHz : 11.832 dBm Delta1 : 182.365 MHz : 0.293 dB T1 : 5139.659 MHz : -8.768 dBm T2 : 5269.118 MHz : -9.801 dBm OBW : 129.459 MHz	Measured 26 dB Bandwidth: 182.365 MHz Measured 99% Bandwidth: 129.459 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5165.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

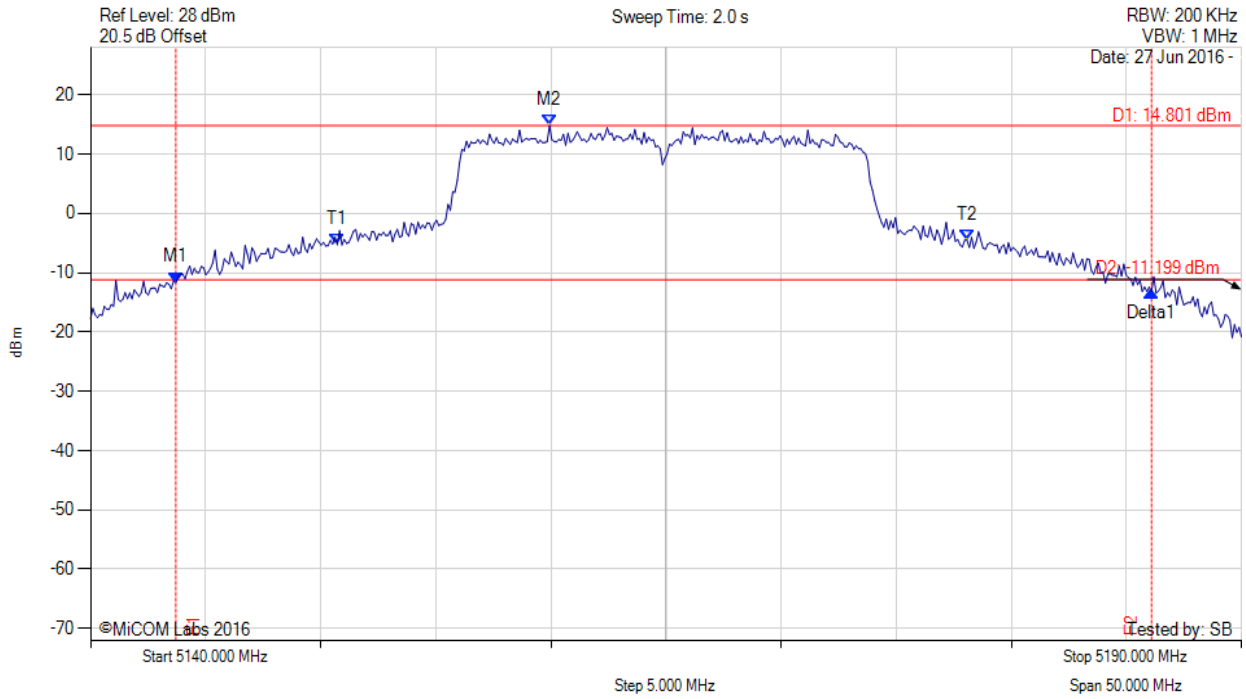


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5142.004 MHz : -12.246 dBm M2 : 5169.960 MHz : 15.320 dBm Delta1 : 44.088 MHz : 0.907 dB T1 : 5149.920 MHz : -1.024 dBm T2 : 5178.677 MHz : -2.333 dBm OBW : 28.758 MHz	Measured 26 dB Bandwidth: 44.088 MHz Measured 99% Bandwidth: 28.758 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5165.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

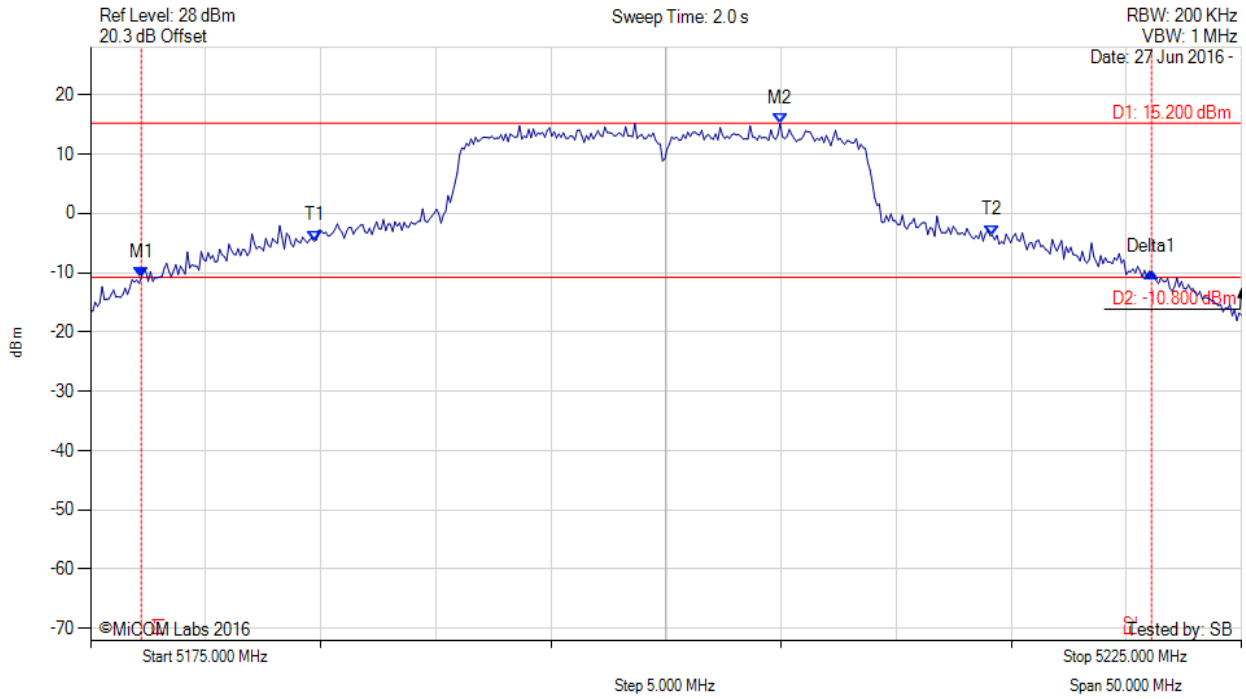


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5143.707 MHz : -11.638 dBm M2 : 5159.940 MHz : 14.801 dBm Delta1 : 42.385 MHz : -1.521 dB T1 : 5150.721 MHz : -5.284 dBm T2 : 5178.076 MHz : -4.461 dBm OBW : 27.355 MHz	Measured 26 dB Bandwidth: 42.385 MHz Measured 99% Bandwidth: 27.355 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

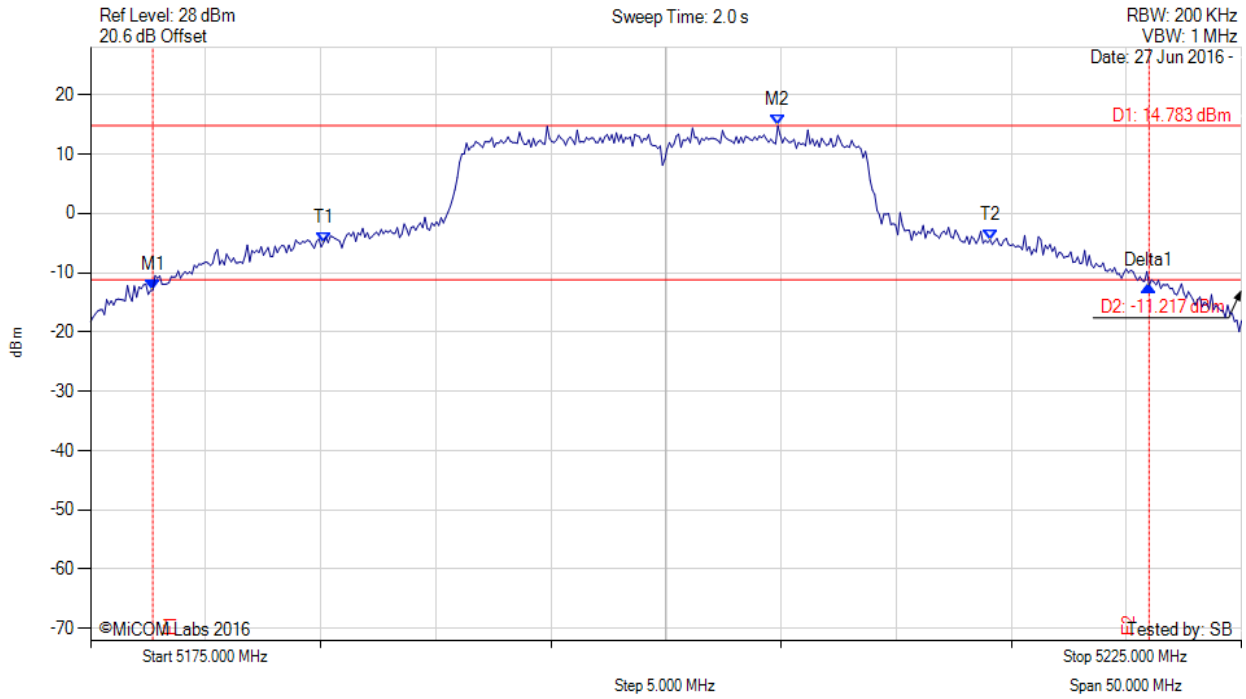


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5177.204 MHz : -10.818 dBm M2 : 5204.960 MHz : 15.200 dBm Delta1 : 43.888 MHz : 0.852 dB T1 : 5184.719 MHz : -4.627 dBm T2 : 5214.178 MHz : -3.706 dBm OBW : 29.459 MHz	Measured 26 dB Bandwidth: 43.888 MHz Measured 99% Bandwidth: 29.459 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

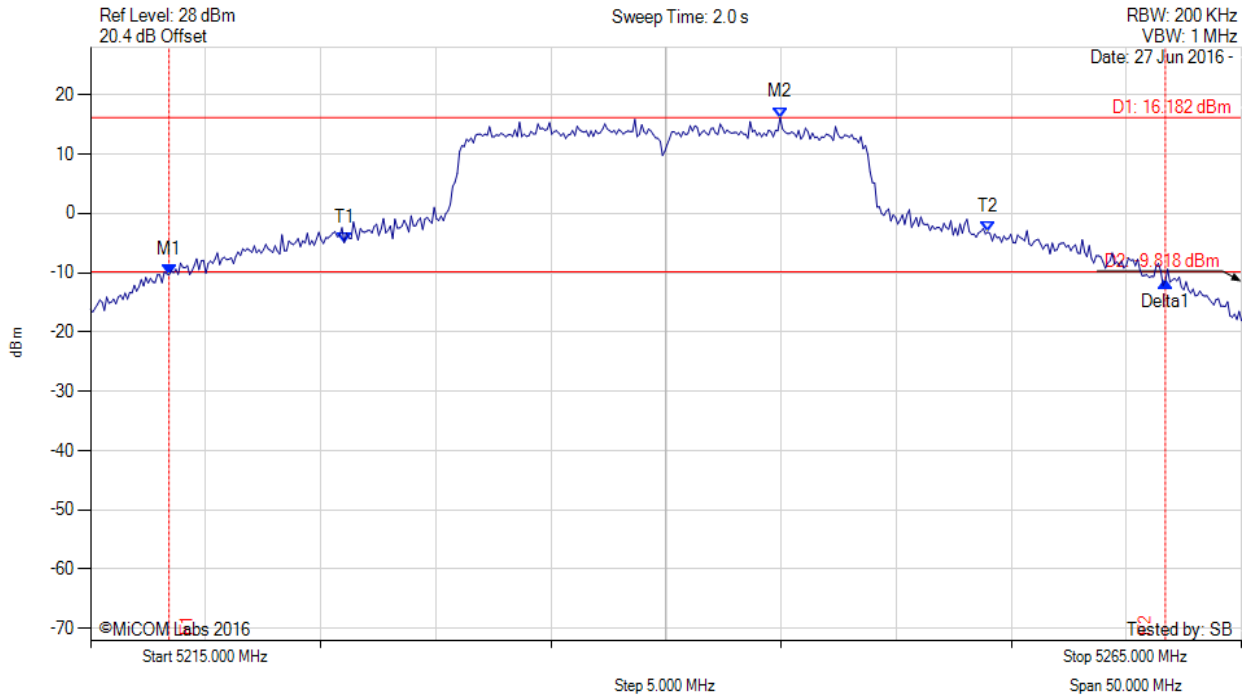


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5177.705 MHz : -12.947 dBm M2 : 5204.860 MHz : 14.783 dBm Delta1 : 43.287 MHz : 0.822 dB T1 : 5185.120 MHz : -4.947 dBm T2 : 5214.078 MHz : -4.463 dBm OBW : 28.958 MHz	Measured 26 dB Bandwidth: 43.287 MHz Measured 99% Bandwidth: 28.958 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

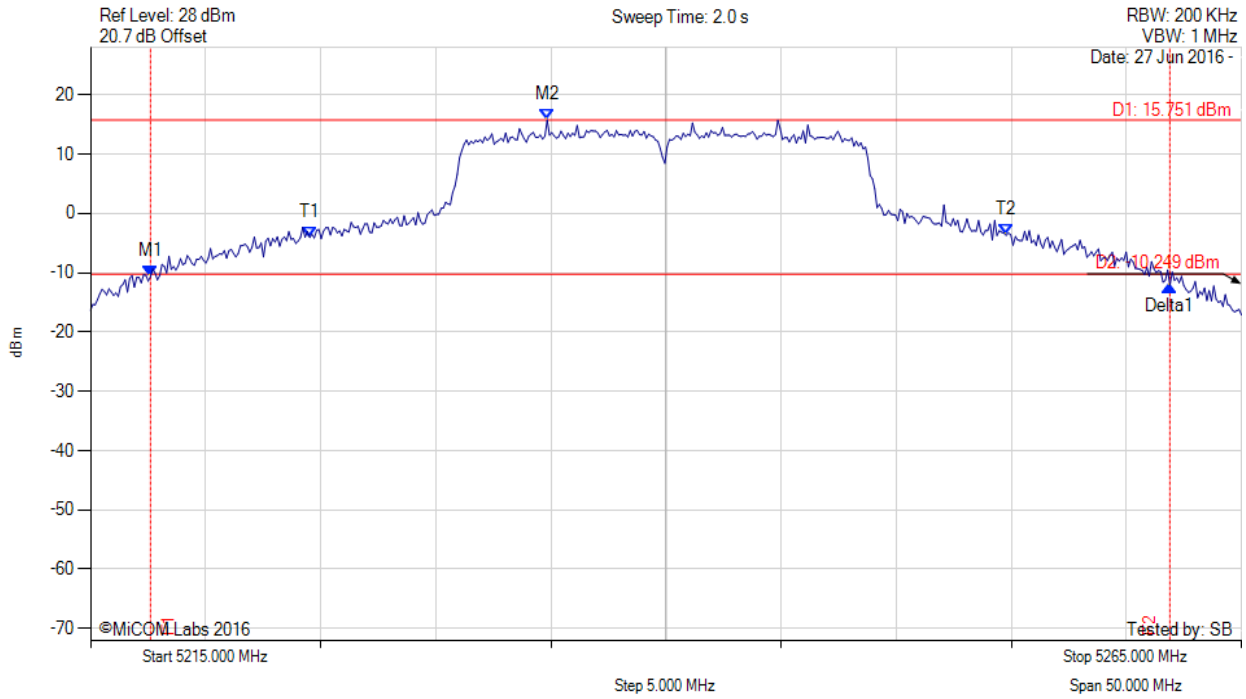


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5218.407 MHz : -10.395 dBm M2 : 5244.960 MHz : 16.182 dBm Delta1 : 43.287 MHz : -1.088 dB T1 : 5226.022 MHz : -4.959 dBm T2 : 5253.978 MHz : -3.145 dBm OBW : 27.956 MHz	Measured 26 dB Bandwidth: 43.287 MHz Measured 99% Bandwidth: 27.956 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

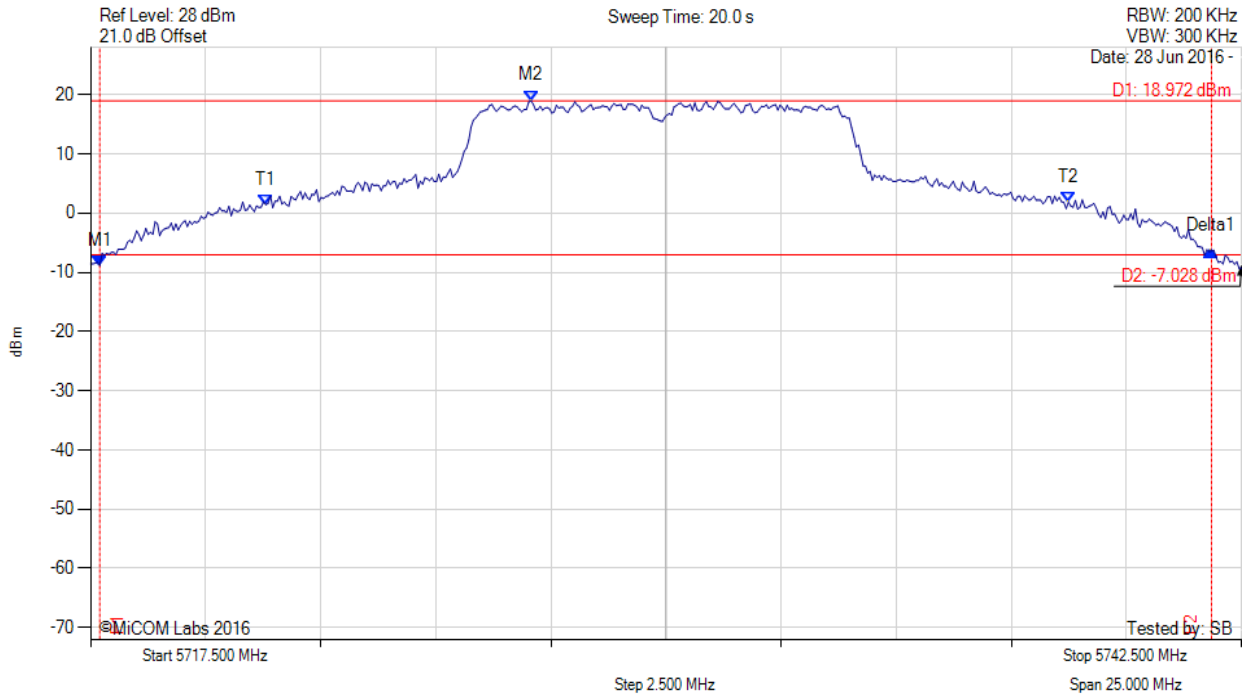


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5217.605 MHz : -10.666 dBm M2 : 5234.840 MHz : 15.751 dBm Delta1 : 44.289 MHz : -1.440 dB T1 : 5224.519 MHz : -4.052 dBm T2 : 5254.780 MHz : -3.682 dBm OBW : 30.261 MHz	Measured 26 dB Bandwidth: 44.289 MHz Measured 99% Bandwidth: 30.261 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5730.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

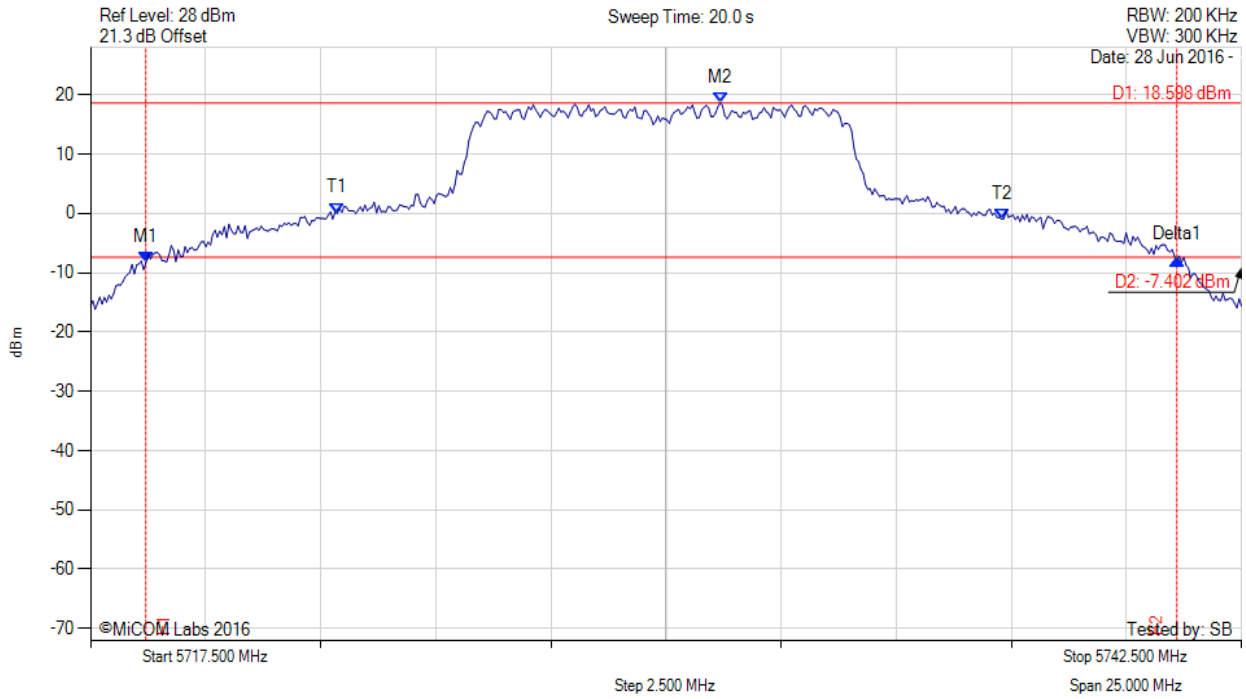


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5717.700 MHz : -8.864 dBm M2 : 5727.069 MHz : 18.972 dBm Delta1 : 24.148 MHz : 2.461 dB T1 : 5721.308 MHz : 1.427 dBm T2 : 5738.742 MHz : 1.838 dBm OBW : 17.435 MHz	Measured 26 dB Bandwidth: 24.148 MHz Measured 99% Bandwidth: 17.435 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5730.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

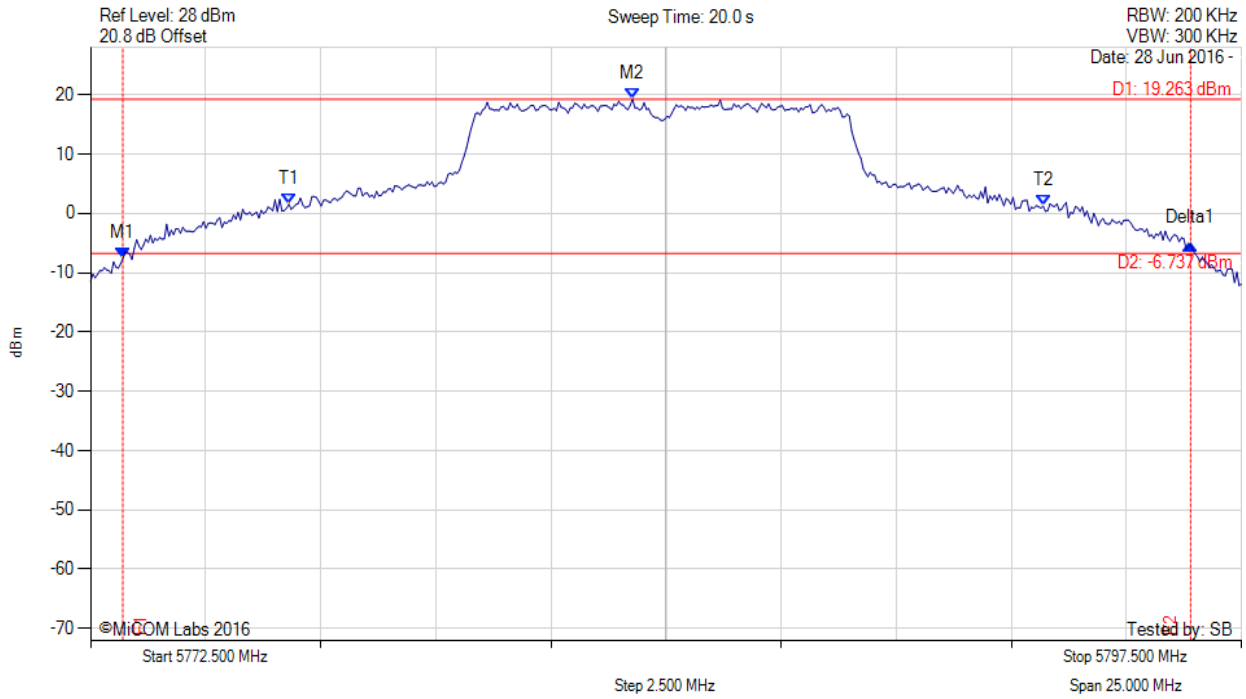


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5718.702 MHz : -8.306 dBm M2 : 5731.177 MHz : 18.598 dBm Delta1 : 22.395 MHz : 0.594 dB T1 : 5722.861 MHz : 0.056 dBm T2 : 5737.290 MHz : -0.954 dBm OBW : 14.429 MHz	Measured 26 dB Bandwidth: 22.395 MHz Measured 99% Bandwidth: 14.429 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

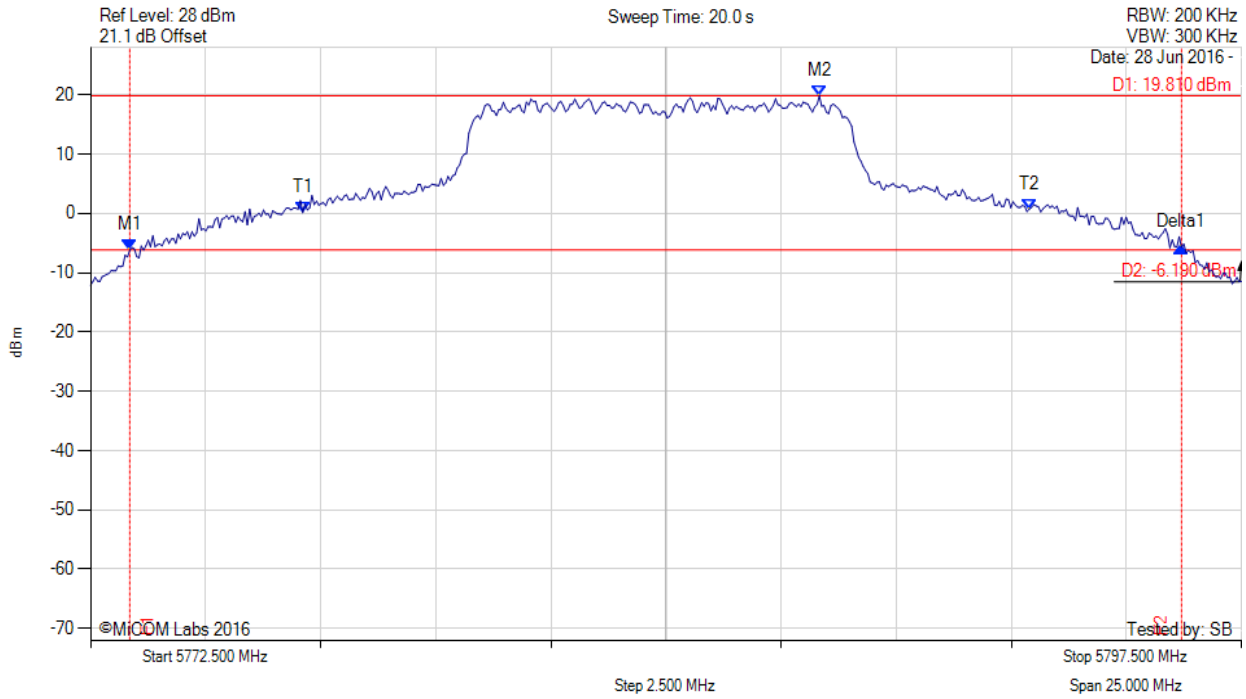


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.201 MHz : -7.611 dBm M2 : 5784.274 MHz : 19.263 dBm Delta1 : 23.196 MHz : 2.504 dB T1 : 5776.809 MHz : 1.521 dBm T2 : 5793.191 MHz : 1.230 dBm OBW : 16.383 MHz	Measured 26 dB Bandwidth: 23.196 MHz Measured 99% Bandwidth: 16.383 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

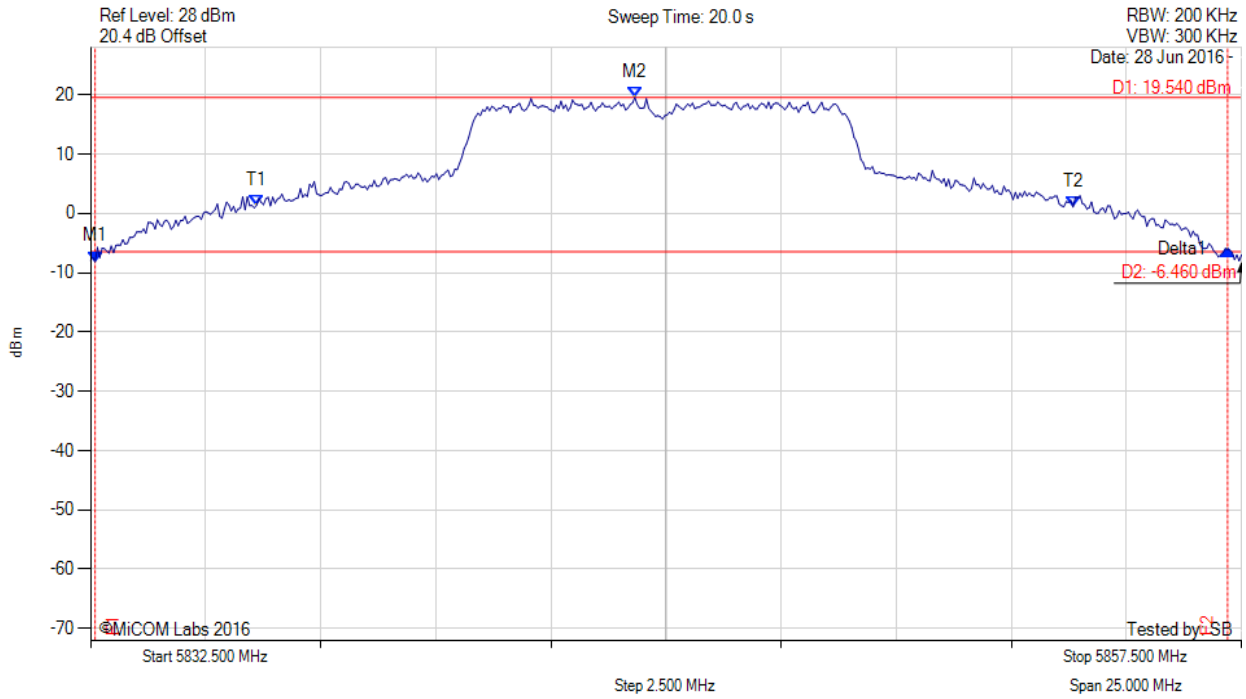


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.352 MHz : -6.220 dBm M2 : 5788.332 MHz : 19.810 dBm Delta1 : 22.846 MHz : 0.523 dB T1 : 5777.109 MHz : 0.128 dBm T2 : 5792.891 MHz : 0.725 dBm OBW : 15.782 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 15.782 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5845.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

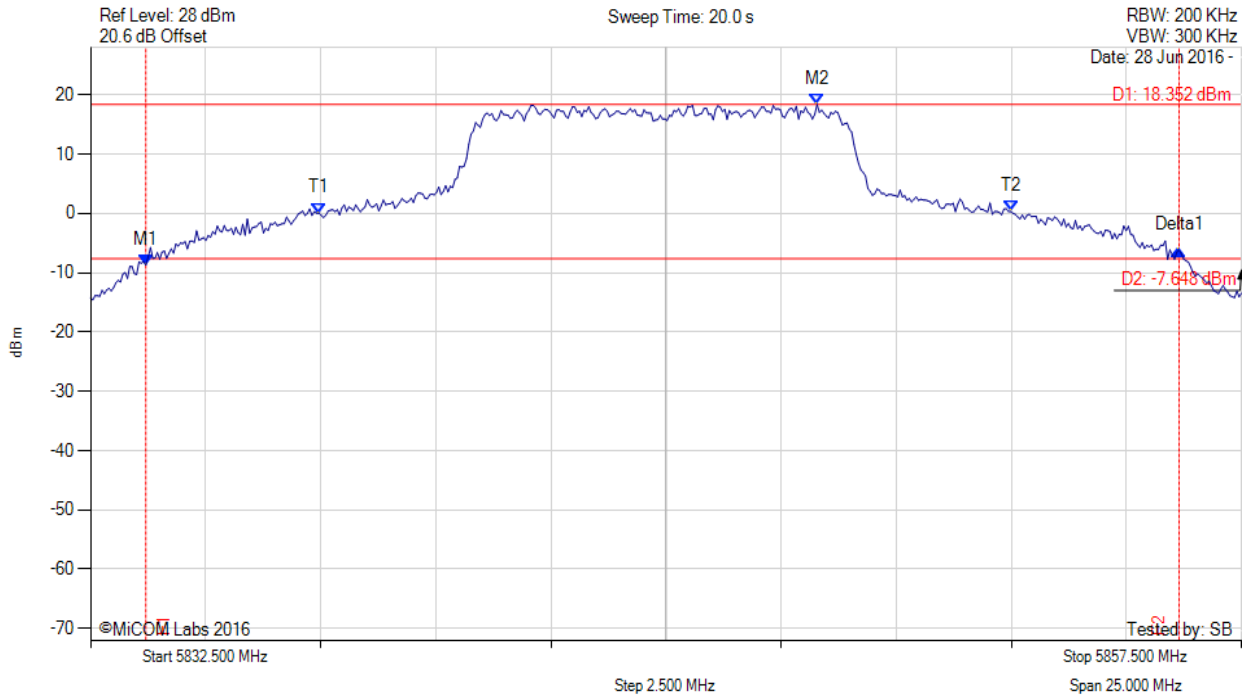


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5832.600 MHz : -8.144 dBm M2 : 5844.324 MHz : 19.540 dBm Delta1 : 24.599 MHz : 2.111 dB T1 : 5836.107 MHz : 1.390 dBm T2 : 5853.843 MHz : 1.092 dBm OBW : 17.735 MHz	Measured 26 dB Bandwidth: 24.599 MHz Measured 99% Bandwidth: 17.735 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5845.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

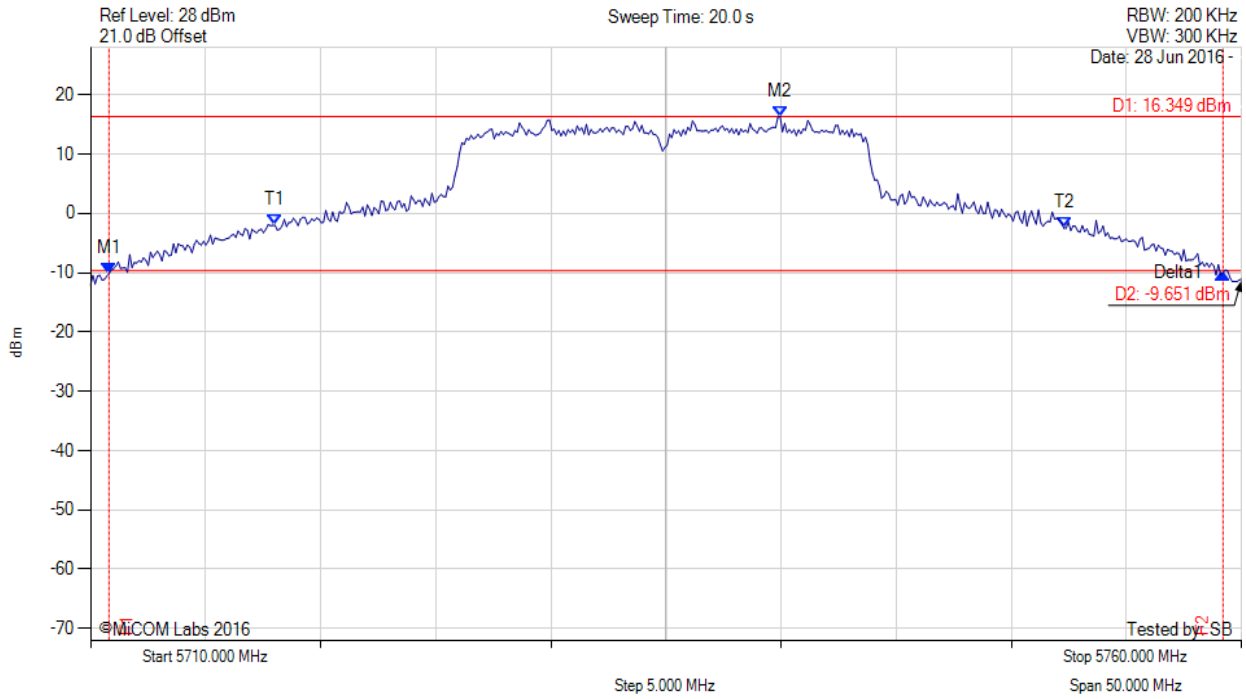


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5833.702 MHz : -8.711 dBm M2 : 5848.282 MHz : 18.352 dBm Delta1 : 22.445 MHz : 2.532 dB T1 : 5837.460 MHz : 0.046 dBm T2 : 5852.490 MHz : 0.317 dBm OBW : 15.030 MHz	Measured 26 dB Bandwidth: 22.445 MHz Measured 99% Bandwidth: 15.030 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5735.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

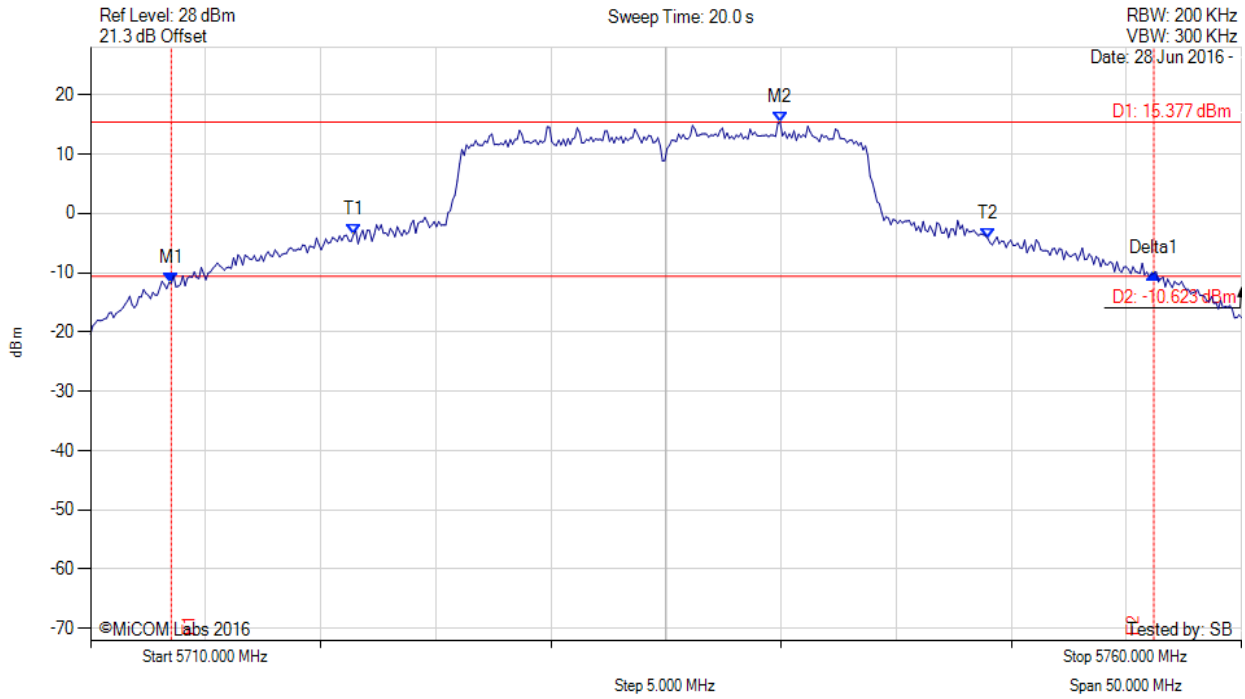


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5710.802 MHz : -10.169 dBm M2 : 5739.960 MHz : 16.349 dBm Delta1 : 48.397 MHz : 0.138 dB T1 : 5718.016 MHz : -2.018 dBm T2 : 5752.285 MHz : -2.470 dBm OBW : 34.269 MHz	Measured 26 dB Bandwidth: 48.397 MHz Measured 99% Bandwidth: 34.269 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5735.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

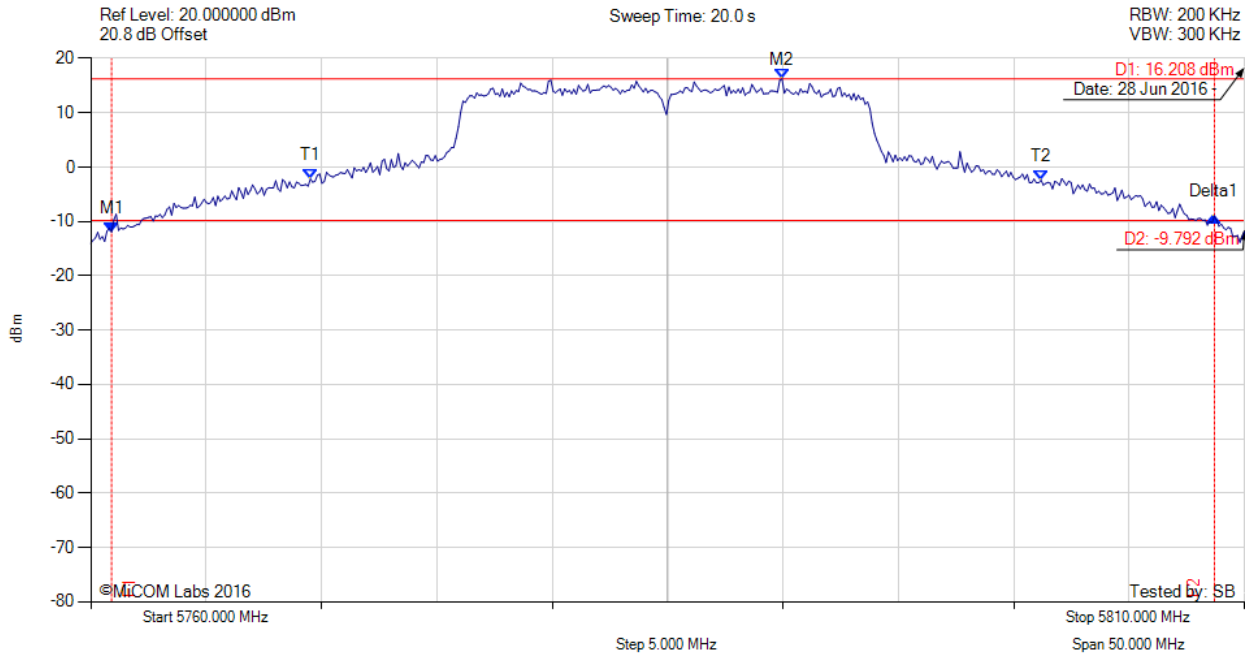


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5713.507 MHz : -11.796 dBm M2 : 5739.960 MHz : 15.377 dBm Delta1 : 42.685 MHz : 1.666 dB T1 : 5721.423 MHz : -3.582 dBm T2 : 5748.978 MHz : -4.194 dBm OBW : 27.555 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 27.555 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

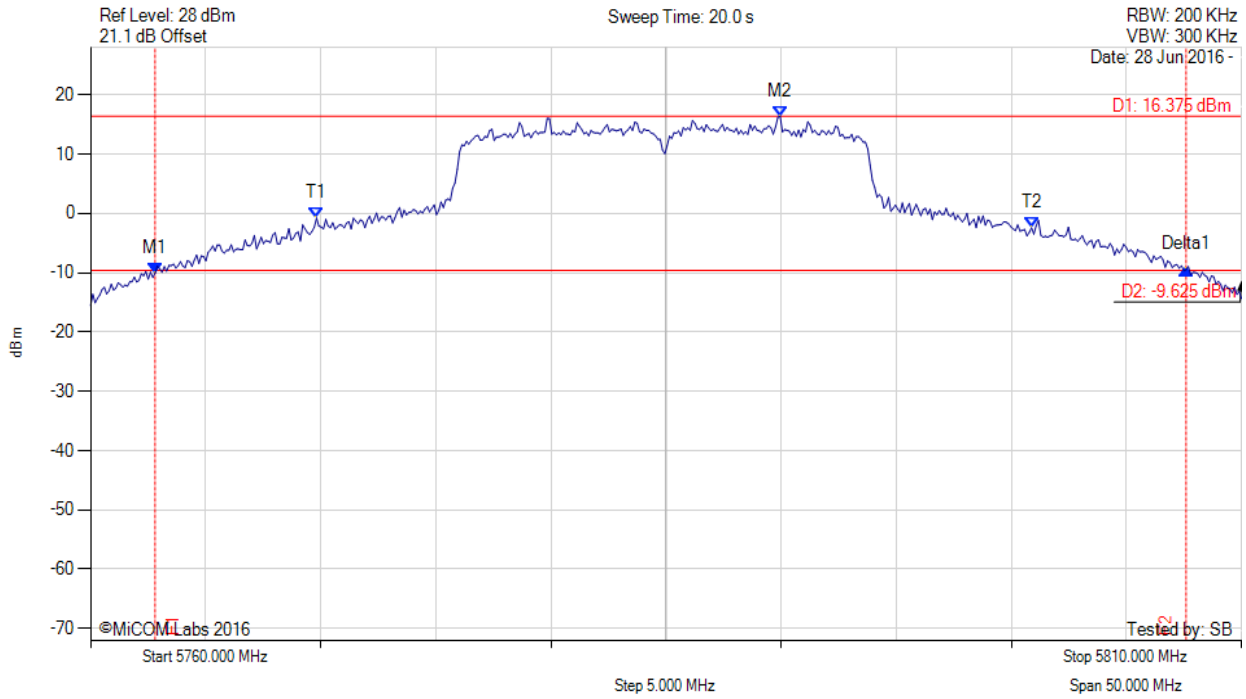


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5760.902 MHz : -11.937 dBm M2 : 5789.960 MHz : 16.208 dBm Delta1 : 47.796 MHz : 2.914 dB T1 : 5769.519 MHz : -2.189 dBm T2 : 5801.182 MHz : -2.392 dBm OBW : 31.663 MHz	Measured 26 dB Bandwidth: 47.796 MHz Measured 99% Bandwidth: 31.663 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

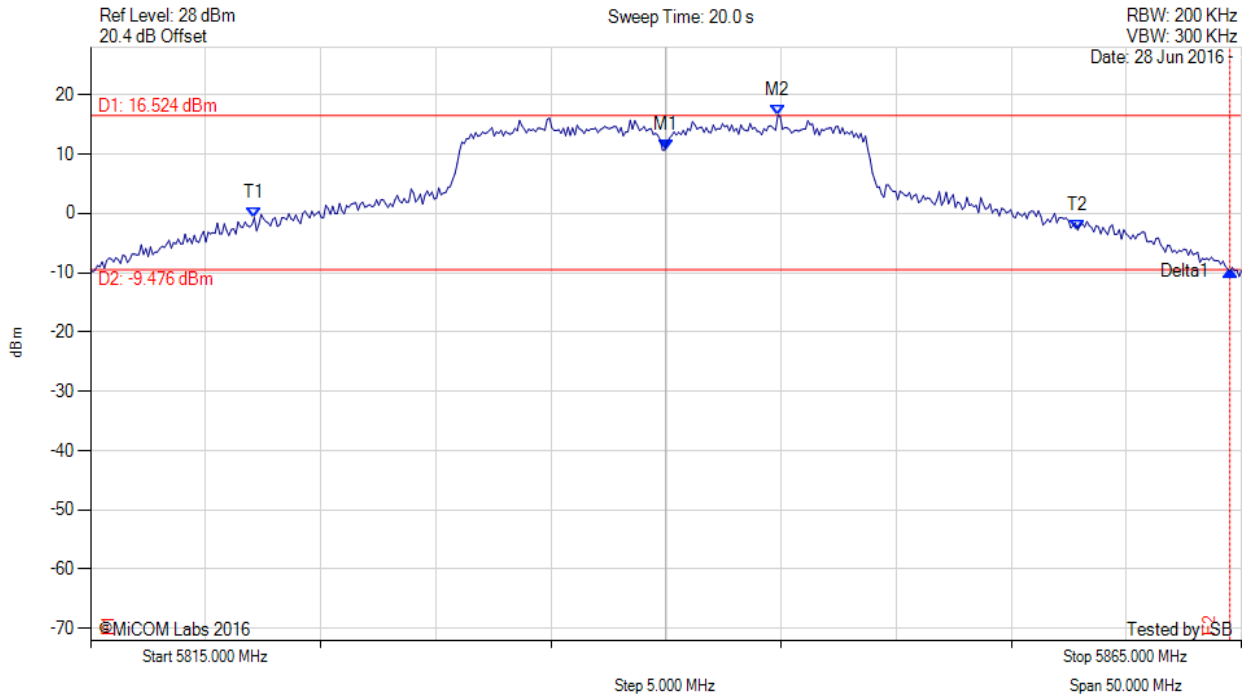


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5762.806 MHz : -10.055 dBm M2 : 5789.960 MHz : 16.375 dBm Delta1 : 44.790 MHz : 0.543 dB T1 : 5769.820 MHz : -0.788 dBm T2 : 5800.882 MHz : -2.429 dBm OBW : 31.062 MHz	Measured 26 dB Bandwidth: 44.790 MHz Measured 99% Bandwidth: 31.062 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5840.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

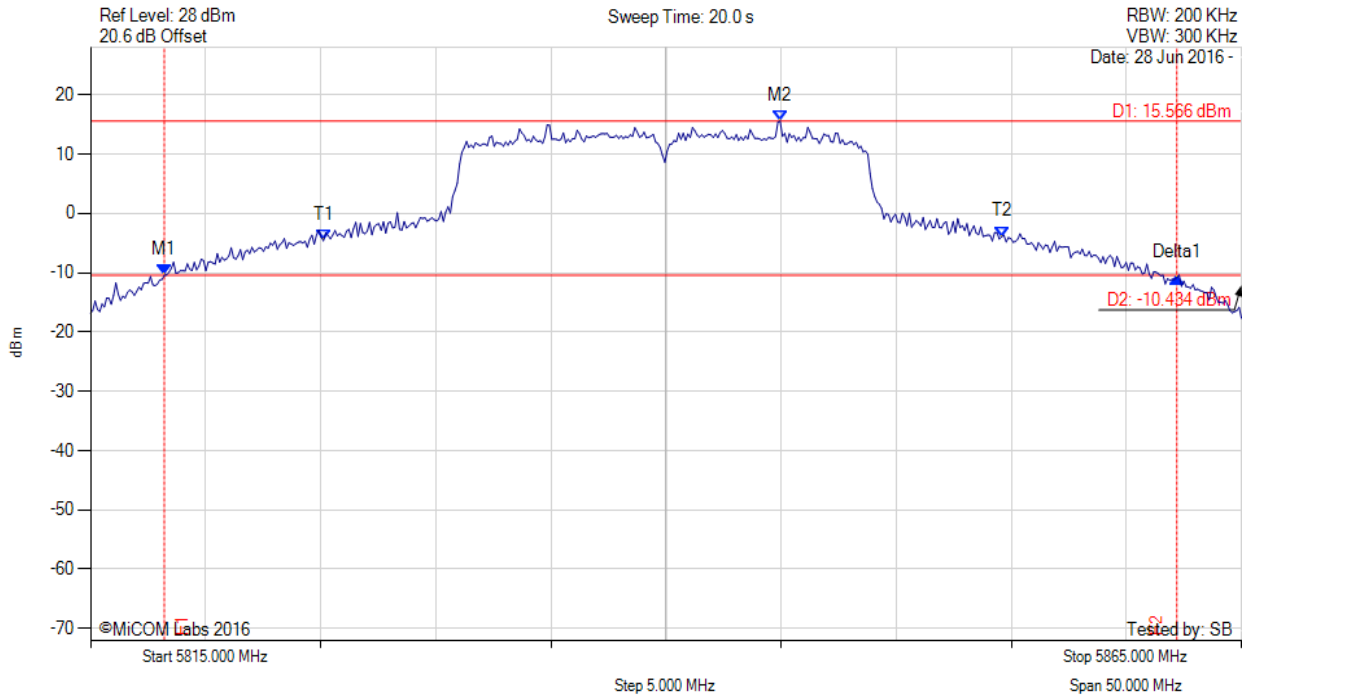


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5840.000 MHz : 10.648 dBm M2 : 5844.860 MHz : 16.524 dBm Delta1 : 24.499 MHz : -20.407 dB T1 : 5822.114 MHz : -0.727 dBm T2 : 5857.886 MHz : -2.795 dBm OBW : 35.772 MHz	Measured 26 dB Bandwidth: 24.499 MHz Measured 99% Bandwidth: 35.772 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5840.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

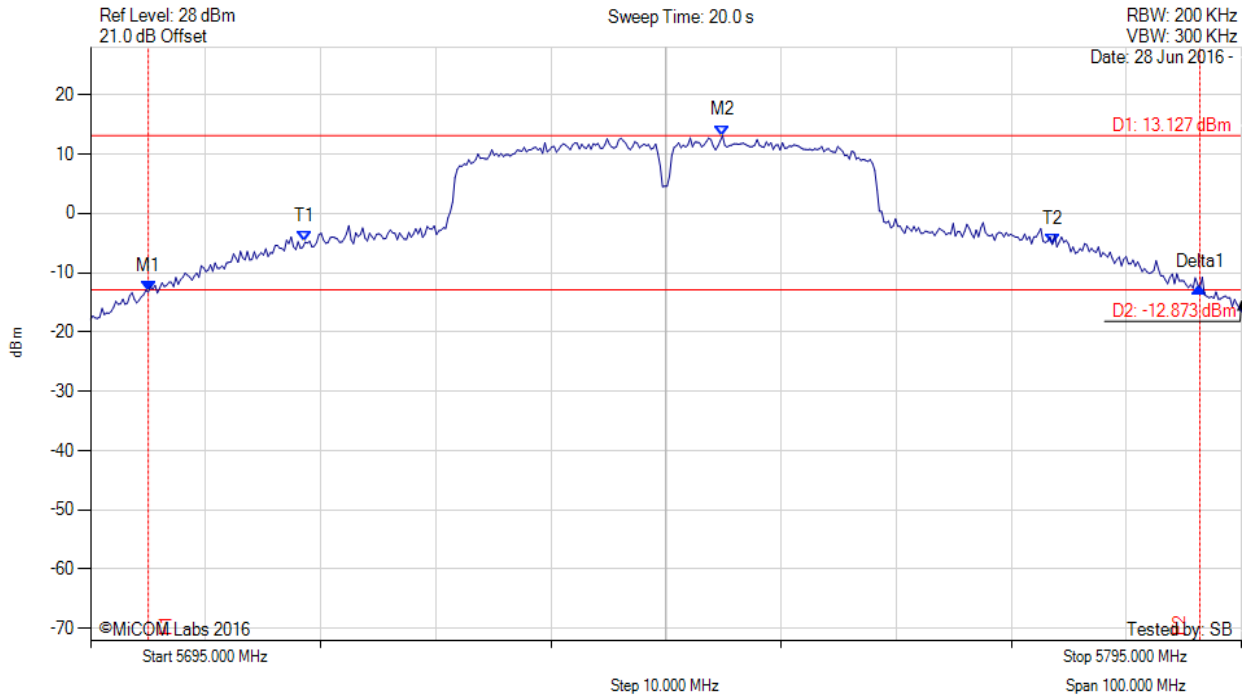


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5818.206 MHz : -10.438 dBm M2 : 5844.960 MHz : 15.566 dBm Delta1 : 43.988 MHz : -0.413 dB T1 : 5825.120 MHz : -4.591 dBm T2 : 5854.579 MHz : -3.930 dBm OBW : 29.459 MHz	Measured 26 dB Bandwidth: 43.988 MHz Measured 99% Bandwidth: 29.459 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

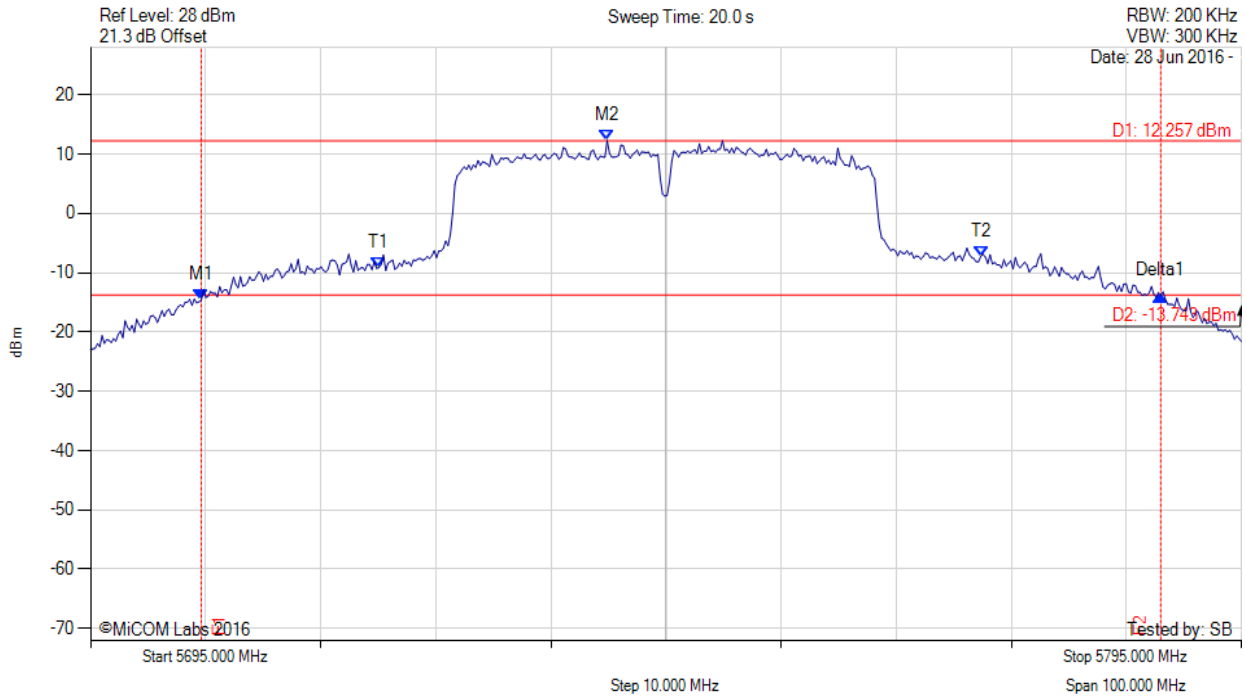


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5700.010 MHz : -13.257 dBm M2 : 5749.910 MHz : 13.127 dBm Delta1 : 91.383 MHz : 0.801 dB T1 : 5713.637 MHz : -4.841 dBm T2 : 5778.567 MHz : -5.258 dBm OBW : 64.930 MHz	Measured 26 dB Bandwidth: 91.383 MHz Measured 99% Bandwidth: 64.930 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

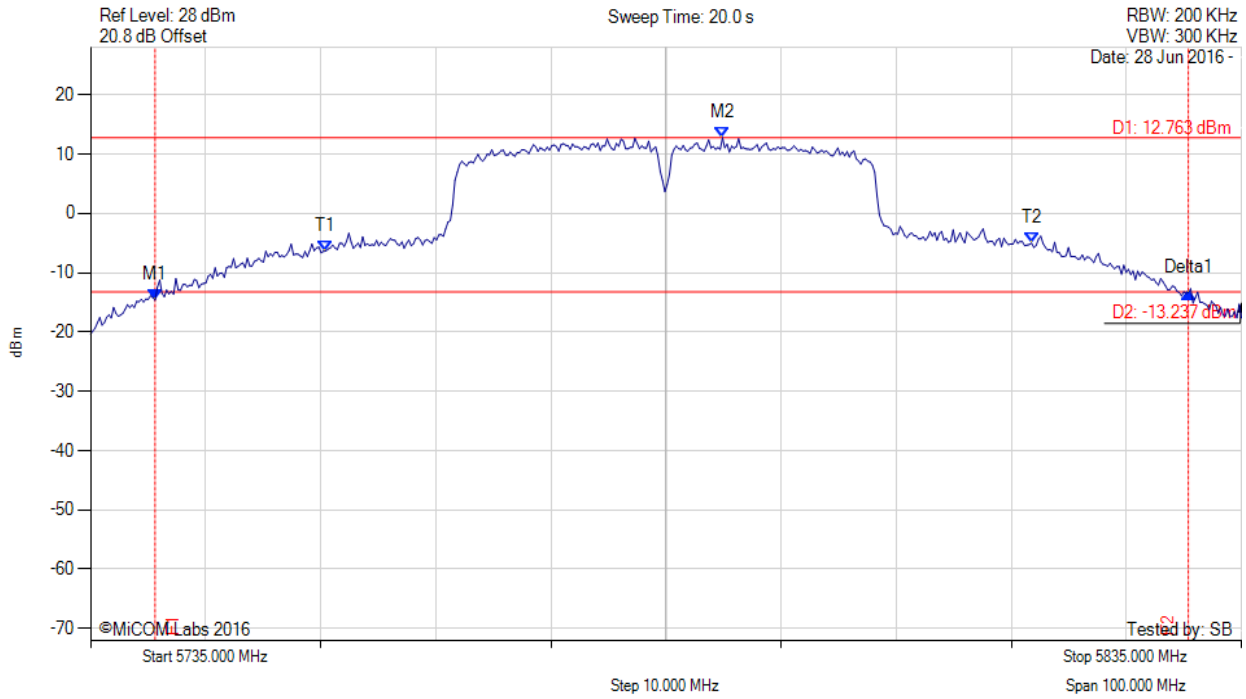


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5704.619 MHz : -14.646 dBm M2 : 5739.890 MHz : 12.257 dBm Delta1 : 83.367 MHz : 0.885 dB T1 : 5720.050 MHz : -9.144 dBm T2 : 5772.355 MHz : -7.233 dBm OBW : 52.305 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 52.305 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

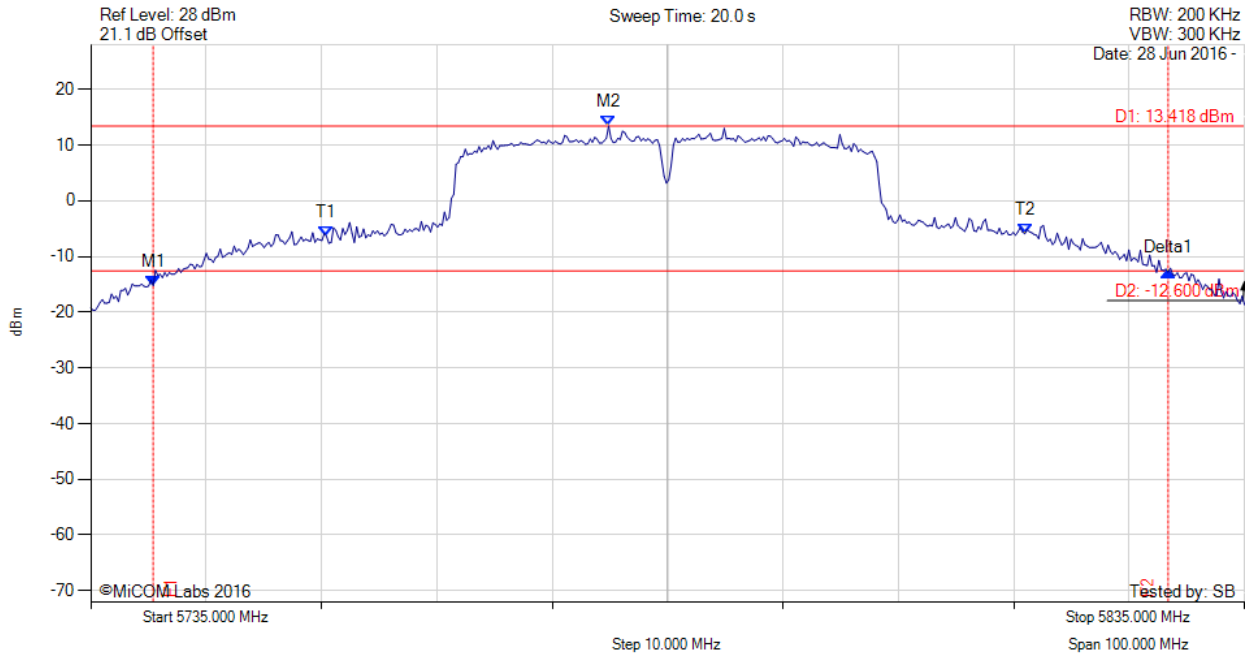


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5740.611 MHz : -14.625 dBm M2 : 5789.910 MHz : 12.763 dBm Delta1 : 89.780 MHz : 1.312 dB T1 : 5755.441 MHz : -6.352 dBm T2 : 5816.764 MHz : -5.000 dBm OBW : 61.323 MHz	Measured 26 dB Bandwidth: 89.780 MHz Measured 99% Bandwidth: 61.323 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

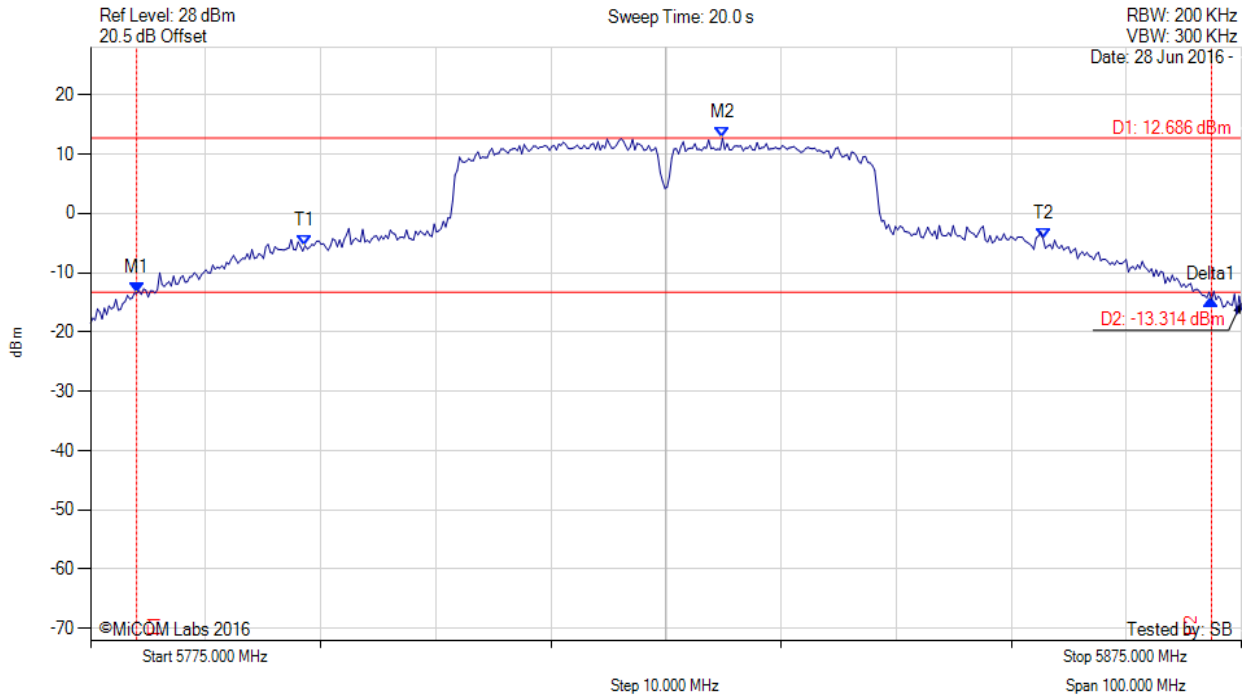


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5740.411 MHz : -15.227 dBm M2 : 5779.890 MHz : 13.418 dBm Delta1 : 87.976 MHz : 2.445 dB T1 : 5755.441 MHz : -6.399 dBm T2 : 5815.962 MHz : -5.929 dBm OBW : 60.521 MHz	Measured 26 dB Bandwidth: 87.976 MHz Measured 99% Bandwidth: 60.521 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

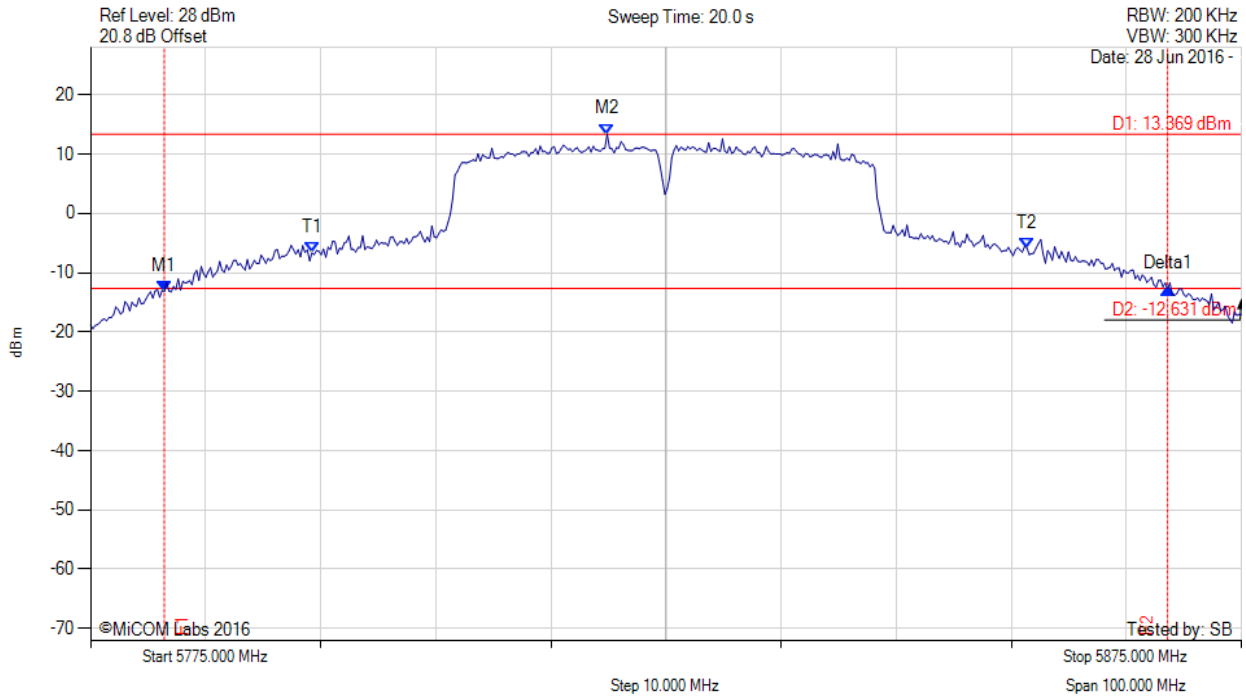


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5779.008 MHz : -13.452 dBm M2 : 5829.910 MHz : 12.686 dBm Delta1 : 93.387 MHz : -1.129 dB T1 : 5793.637 MHz : -5.447 dBm T2 : 5857.766 MHz : -4.263 dBm OBW : 64.128 MHz	Measured 26 dB Bandwidth: 93.387 MHz Measured 99% Bandwidth: 64.128 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

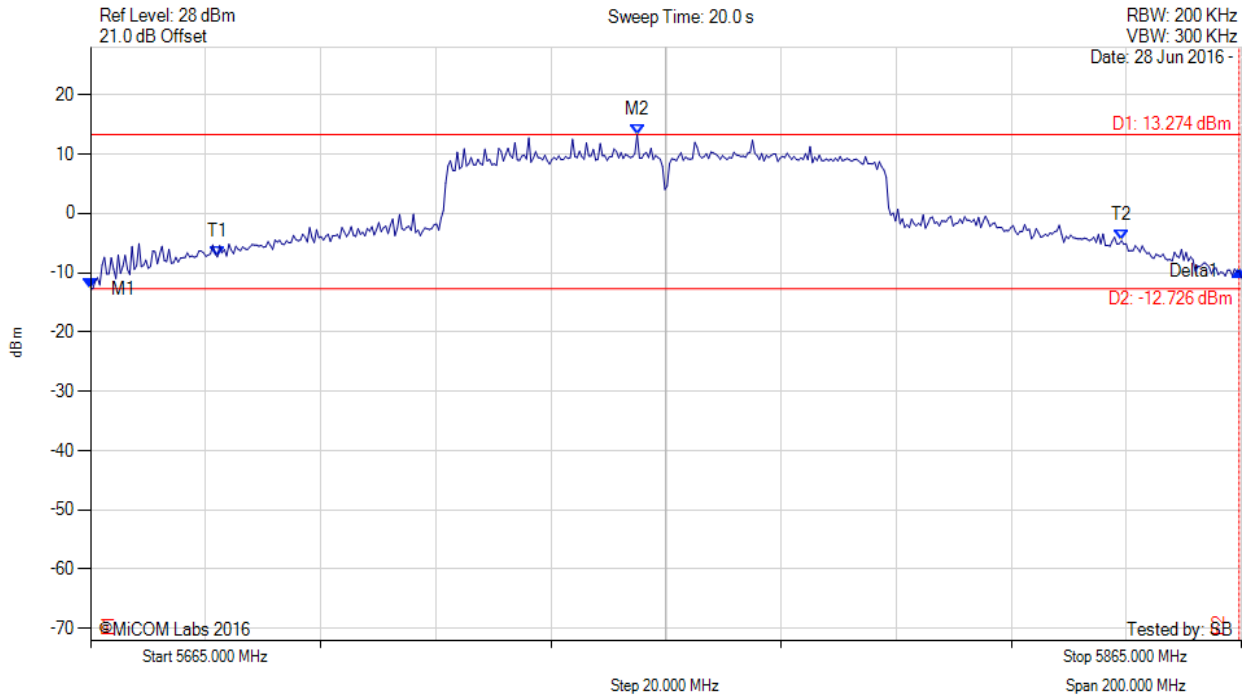


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5781.413 MHz : -13.137 dBm M2 : 5819.890 MHz : 13.369 dBm Delta1 : 87.174 MHz : 0.433 dB T1 : 5794.238 MHz : -6.661 dBm T2 : 5856.363 MHz : -5.831 dBm OBW : 62.124 MHz	Measured 26 dB Bandwidth: 87.174 MHz Measured 99% Bandwidth: 62.124 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5765.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

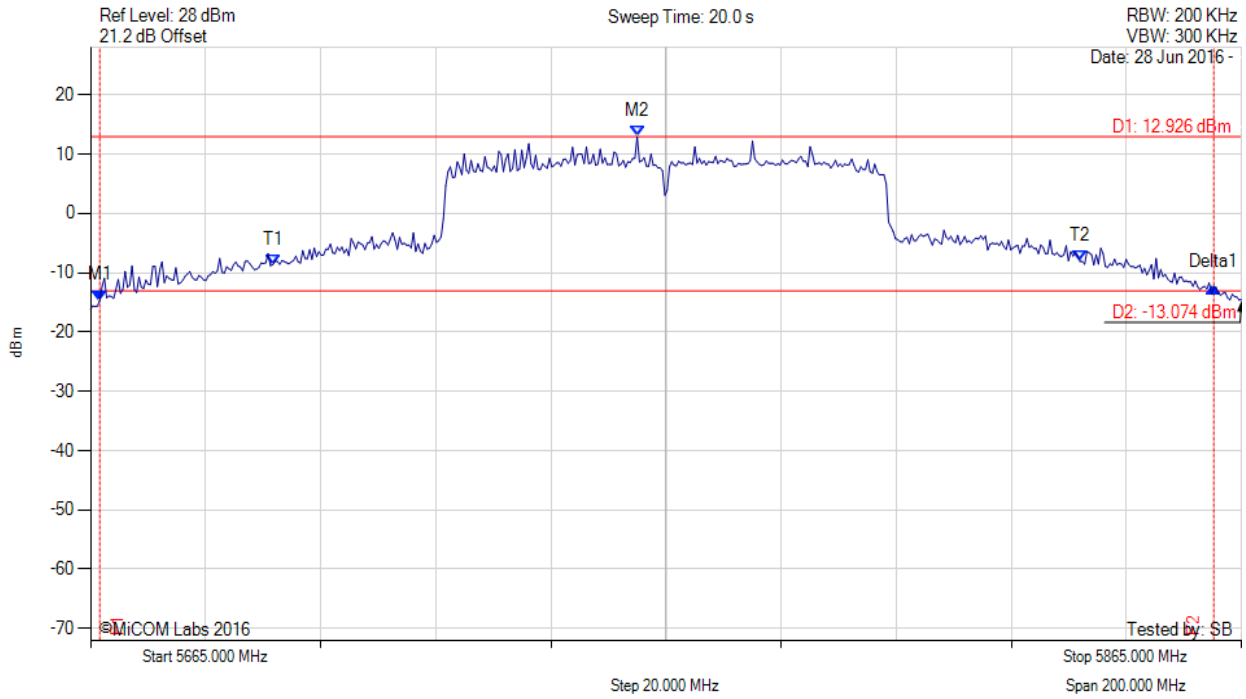


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5665.000 MHz : -12.748 dBm M2 : 5759.990 MHz : 13.274 dBm Delta1 : 199.599 MHz : 3.036 dB T1 : 5687.044 MHz : -7.334 dBm T2 : 5844.158 MHz : -4.593 dBm OBW : 157.114 MHz	Measured 26 dB Bandwidth: 199.599 MHz Measured 99% Bandwidth: 157.114 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5765.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

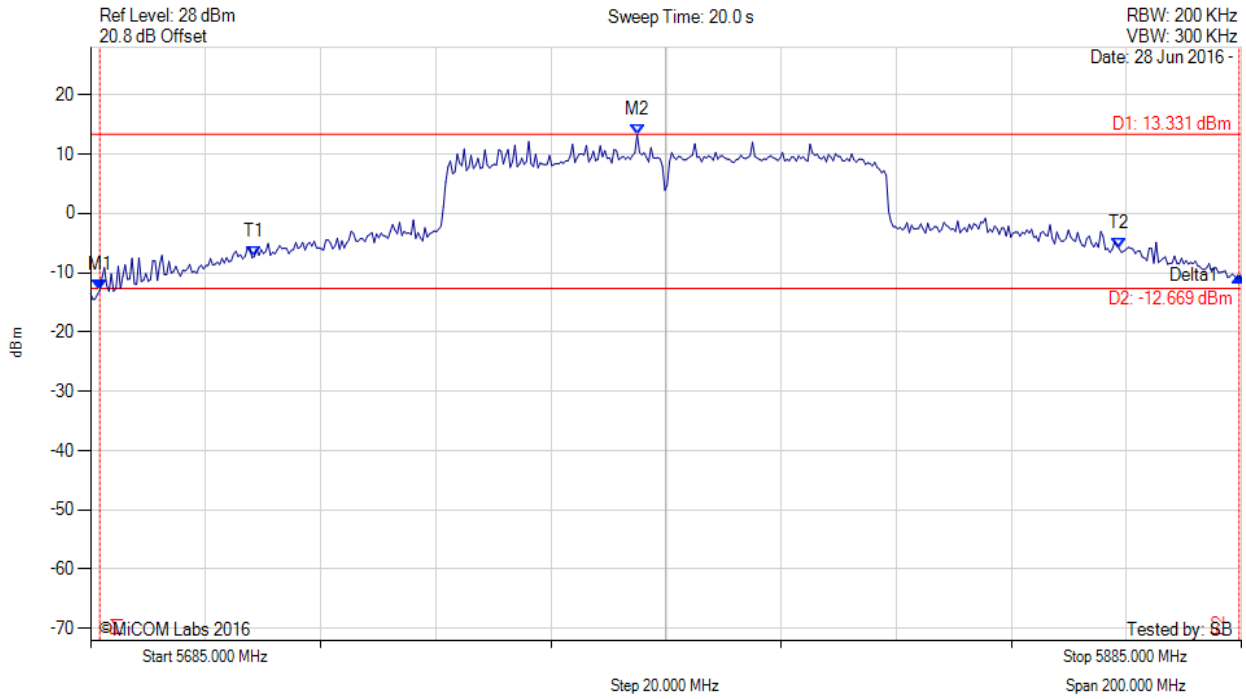


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5666.603 MHz : -14.680 dBm M2 : 5759.990 MHz : 12.926 dBm Delta1 : 193.587 MHz : 2.123 dB T1 : 5696.663 MHz : -8.634 dBm T2 : 5836.944 MHz : -8.103 dBm OBW : 140.281 MHz	Measured 26 dB Bandwidth: 193.587 MHz Measured 99% Bandwidth: 140.281 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

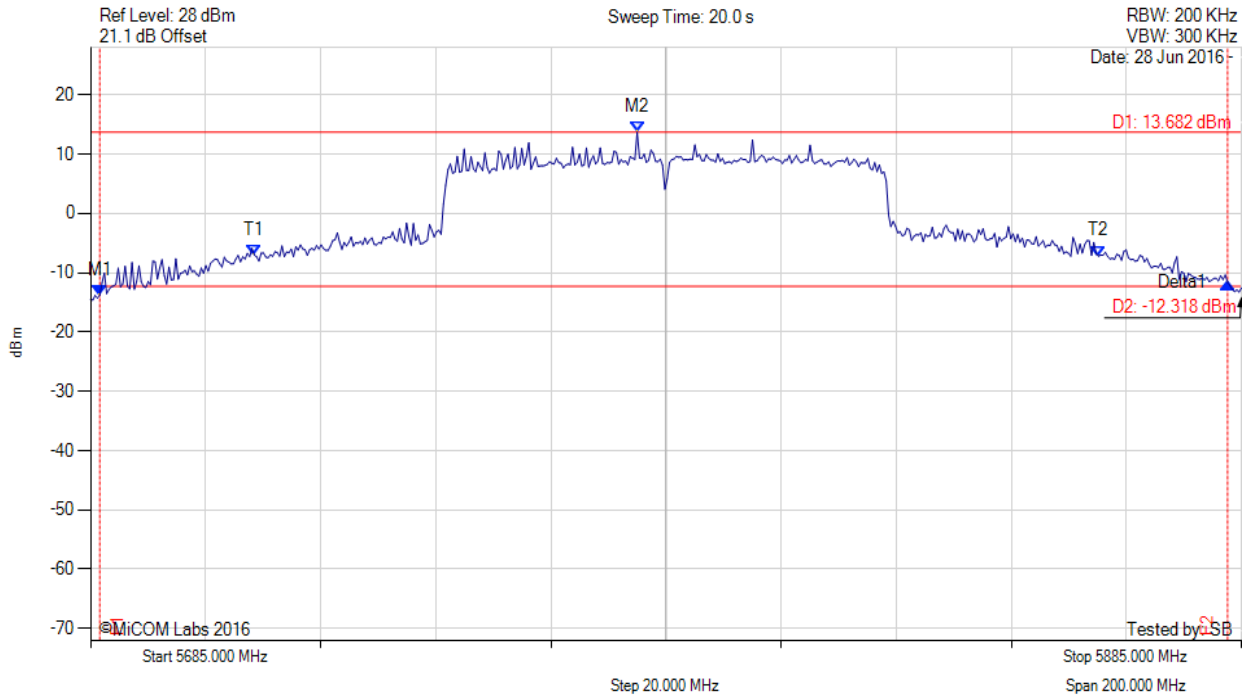


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5686.603 MHz : -13.019 dBm M2 : 5779.990 MHz : 13.331 dBm Delta1 : 197.996 MHz : 2.522 dB T1 : 5713.457 MHz : -7.300 dBm T2 : 5863.758 MHz : -5.947 dBm OBW : 150.301 MHz	Measured 26 dB Bandwidth: 197.996 MHz Measured 99% Bandwidth: 150.301 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

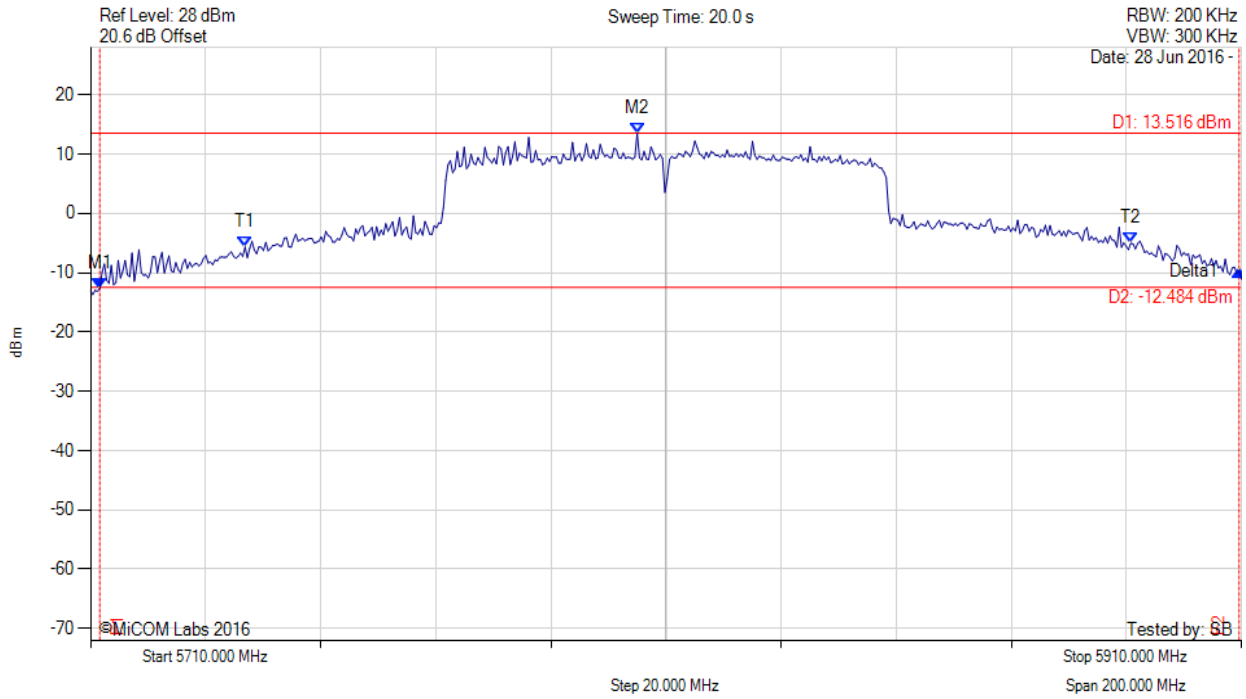


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5686.603 MHz : -13.769 dBm M2 : 5779.990 MHz : 13.682 dBm Delta1 : 195.992 MHz : 2.133 dB T1 : 5713.457 MHz : -7.025 dBm T2 : 5860.150 MHz : -7.194 dBm OBW : 146.693 MHz	Measured 26 dB Bandwidth: 195.992 MHz Measured 99% Bandwidth: 146.693 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5810.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

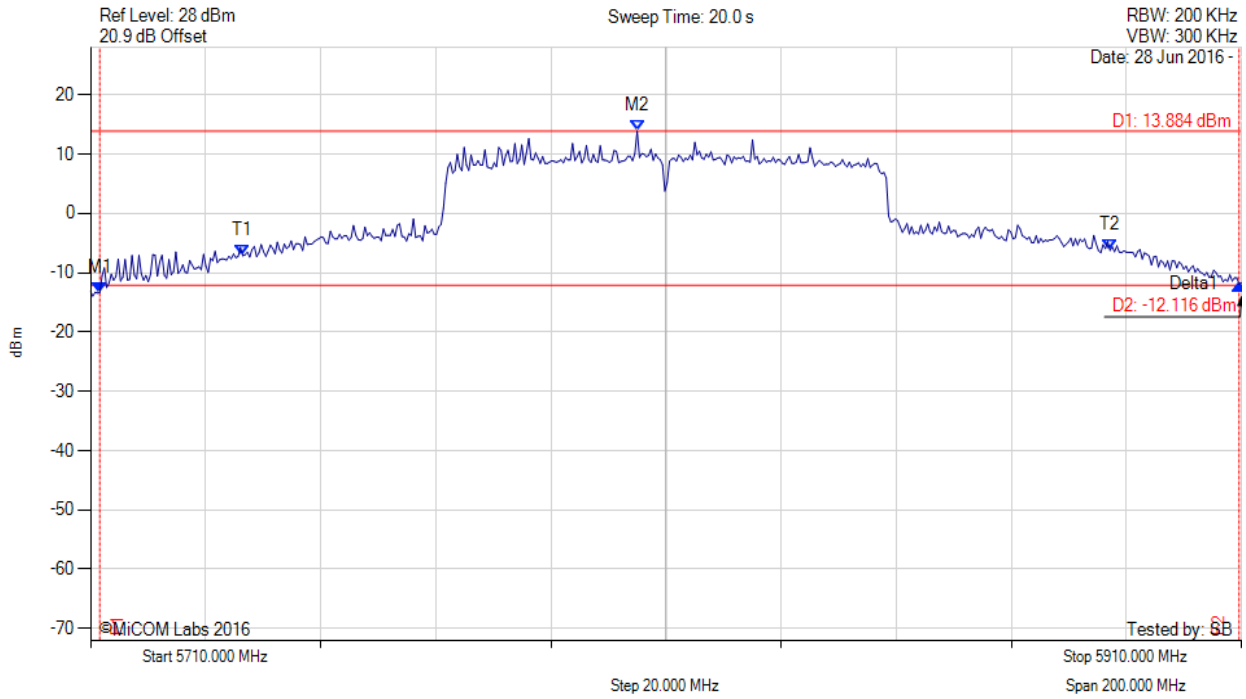


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5711.603 MHz : -12.630 dBm M2 : 5804.990 MHz : 13.516 dBm Delta1 : 197.996 MHz : 2.878 dB T1 : 5736.854 MHz : -5.675 dBm T2 : 5890.762 MHz : -5.052 dBm OBW : 153.908 MHz	Measured 26 dB Bandwidth: 197.996 MHz Measured 99% Bandwidth: 153.908 MHz

back to matrix

26 dB & 99% BANDWIDTH

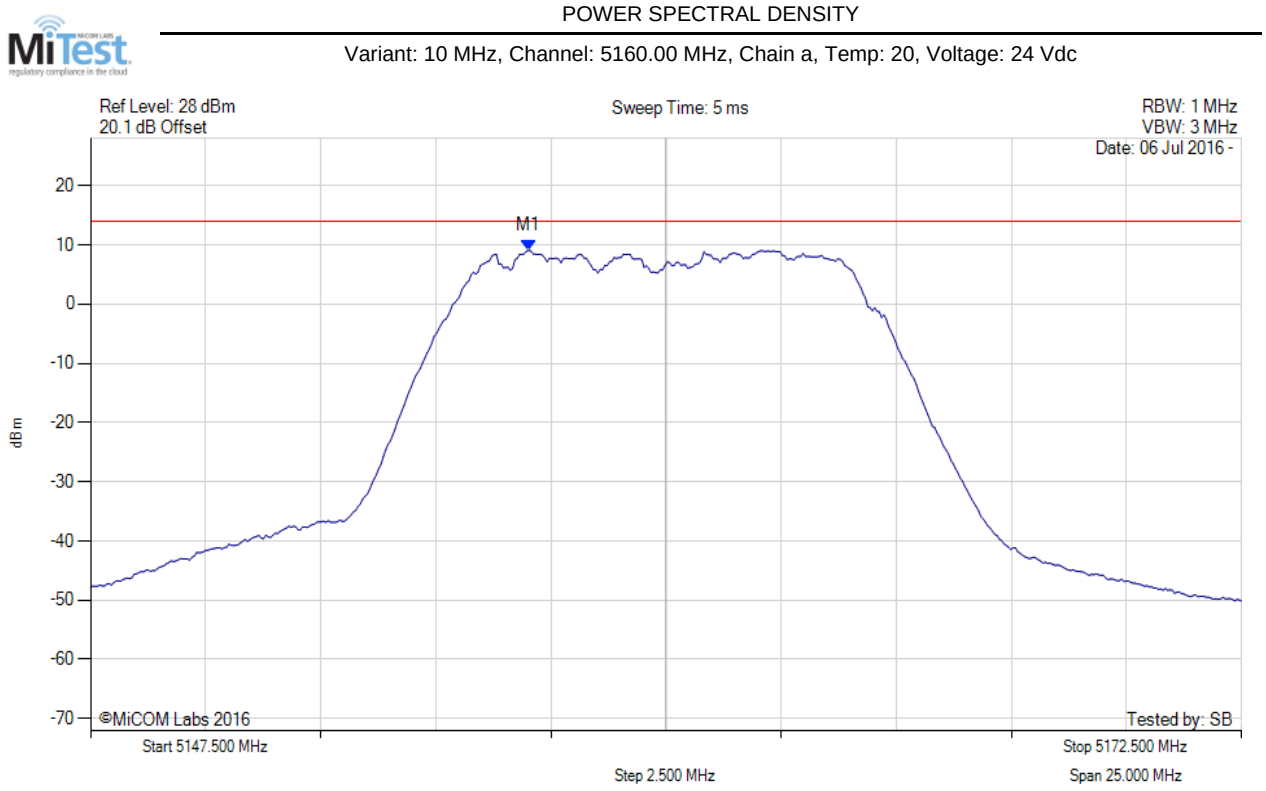
Variant: 80 MHz, Channel: 5810.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5711.603 MHz : -13.309 dBm M2 : 5804.990 MHz : 13.884 dBm Delta1 : 197.996 MHz : 1.367 dB T1 : 5736.453 MHz : -7.135 dBm T2 : 5887.154 MHz : -6.232 dBm OBW : 150.701 MHz	Measured 26 dB Bandwidth: 197.996 MHz Measured 99% Bandwidth: 150.701 MHz

back to matrix

A.2. Power Spectral Density

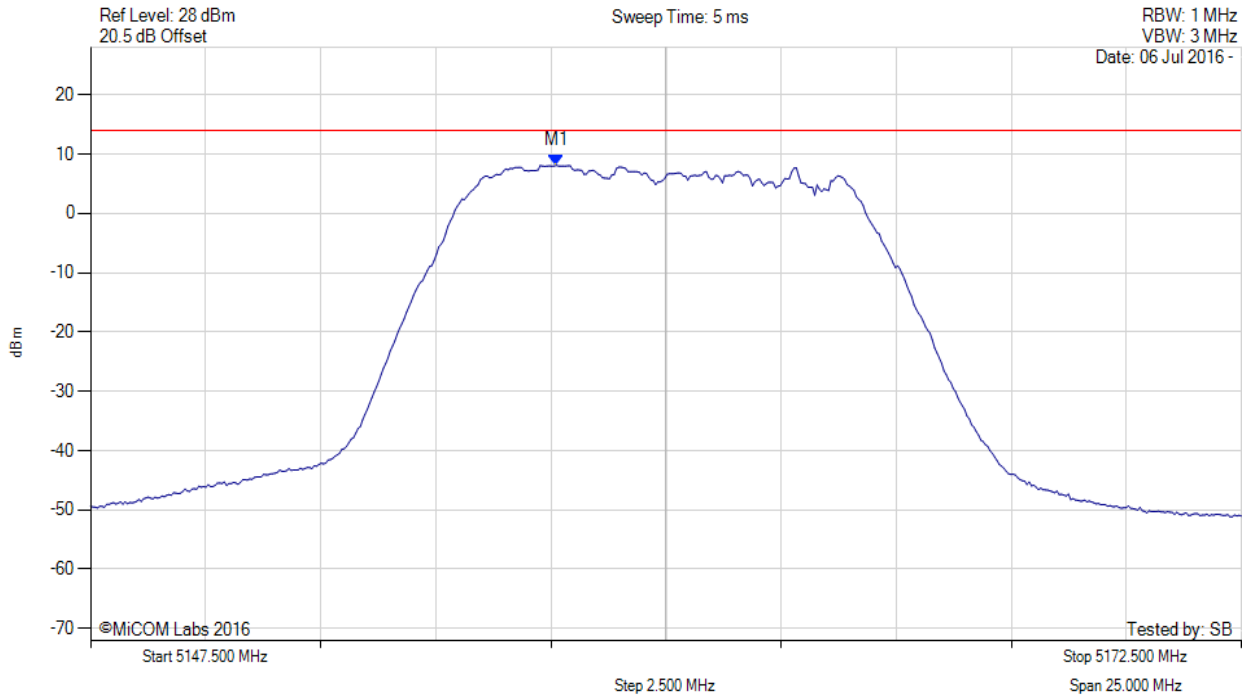


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5157.019 MHz : 9.067 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5160.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

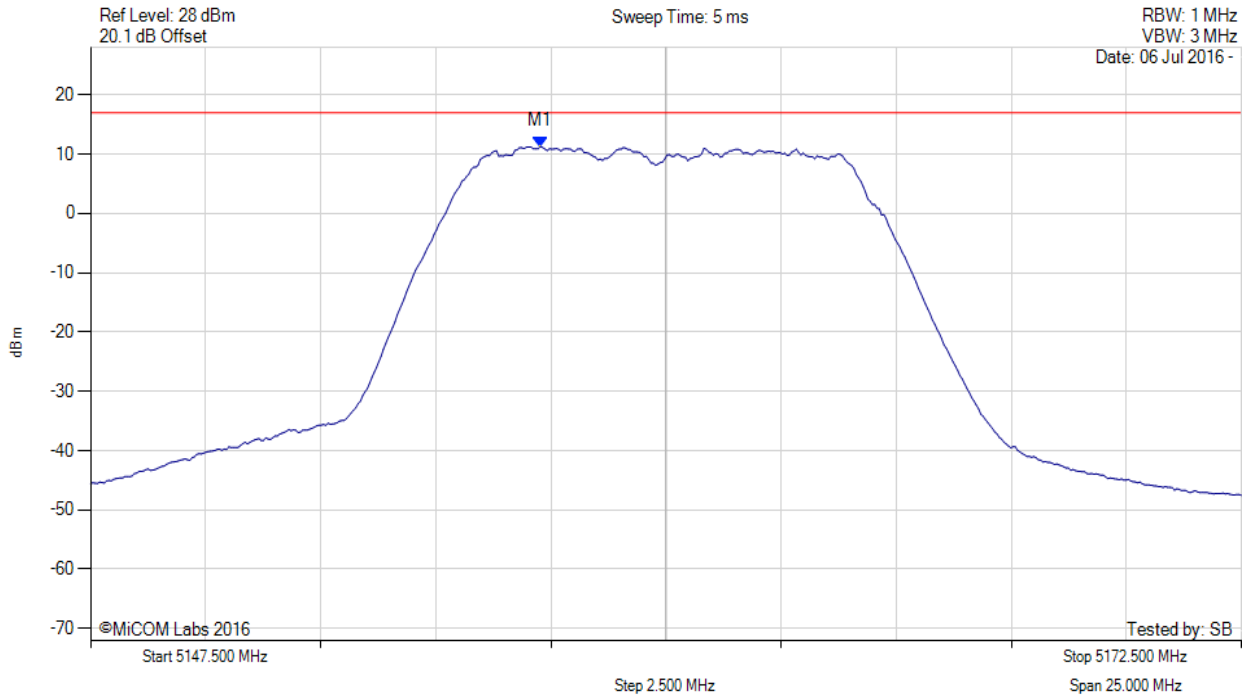


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5157.620 MHz : 8.095 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5160.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

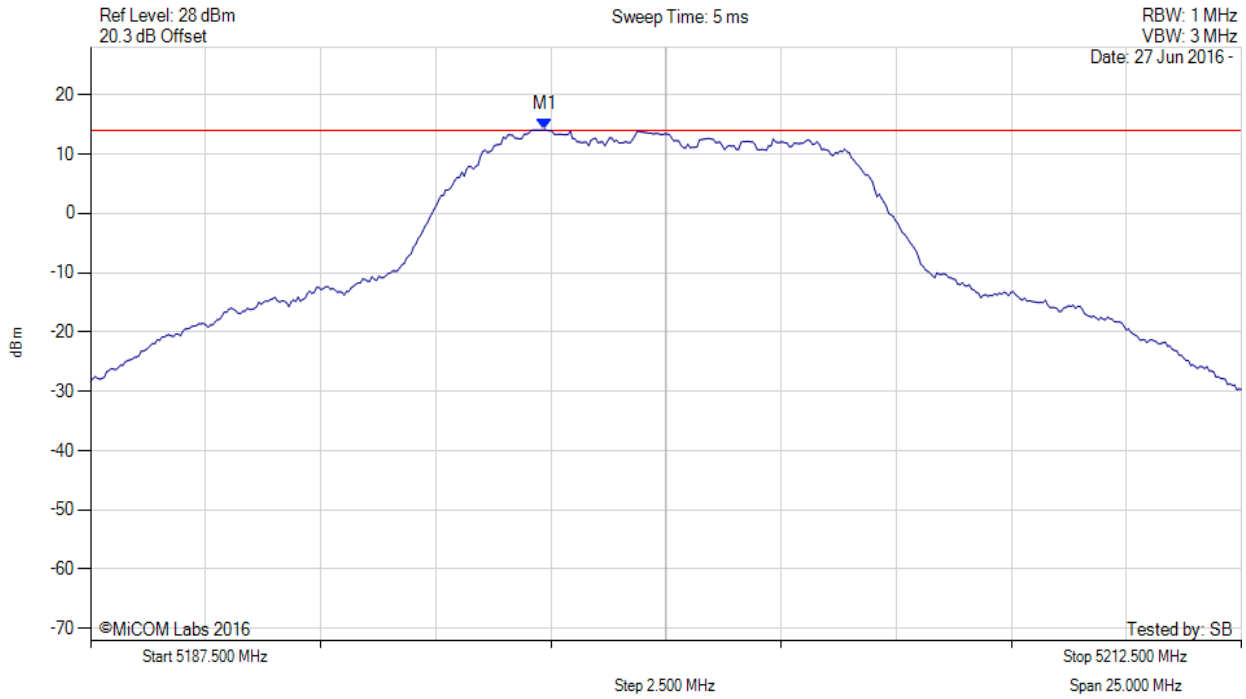


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5157.300 MHz : 11.269 dBm M1 + DCCF : 5157.300 MHz : 11.343 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 17.0 dBm Margin: -5.7 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

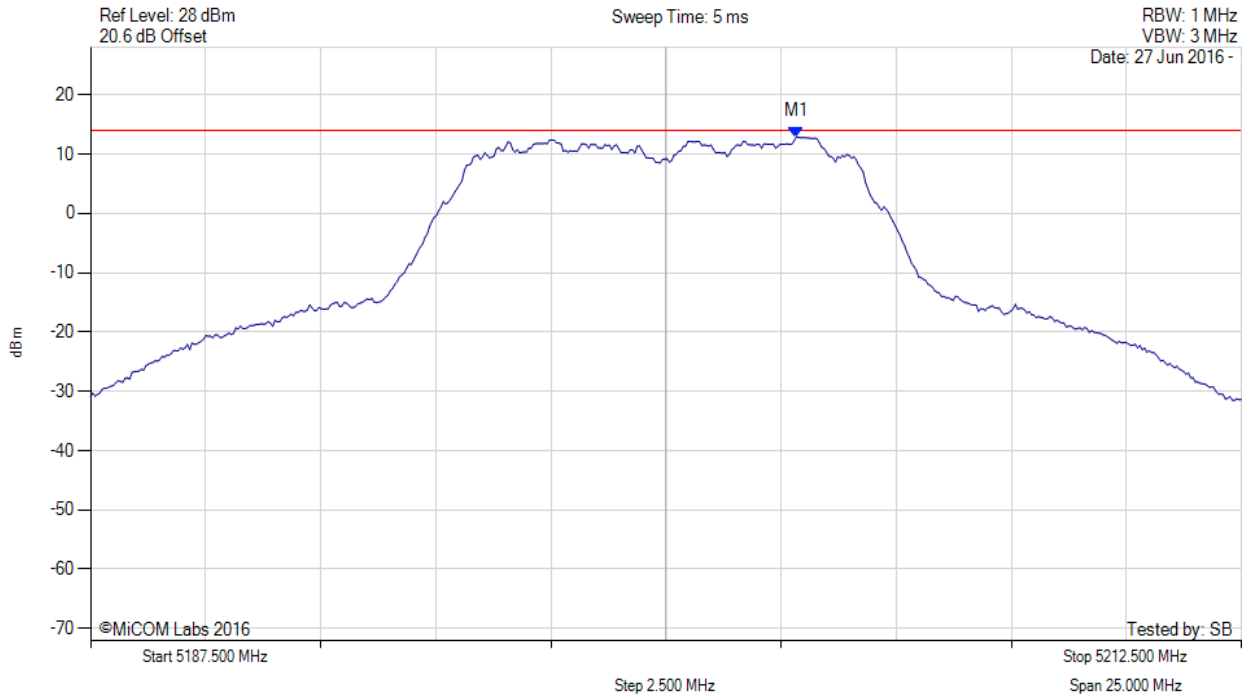


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.370 MHz : 14.126 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

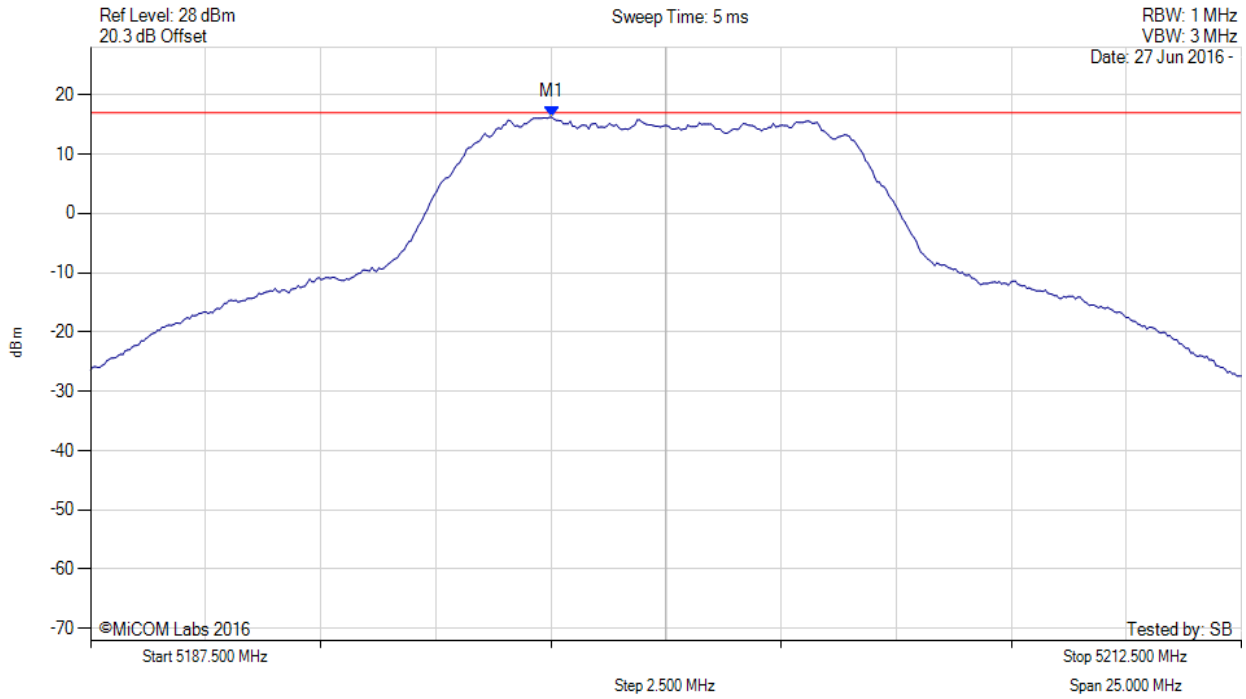


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.831 MHz : 12.891 dBm	Channel Frequency: 5200.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

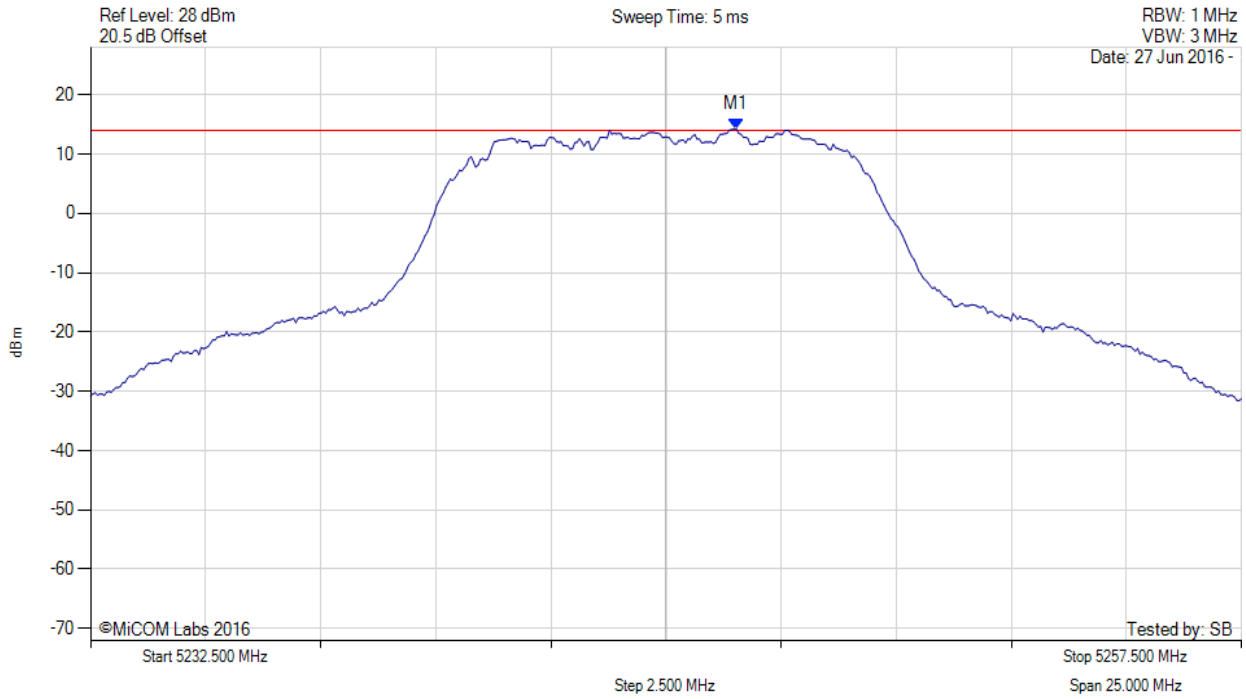


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.500 MHz : 16.216 dBm M1 + DCCF : 5197.500 MHz : 16.290 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 17.0 dBm Margin: -0.7 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5245.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

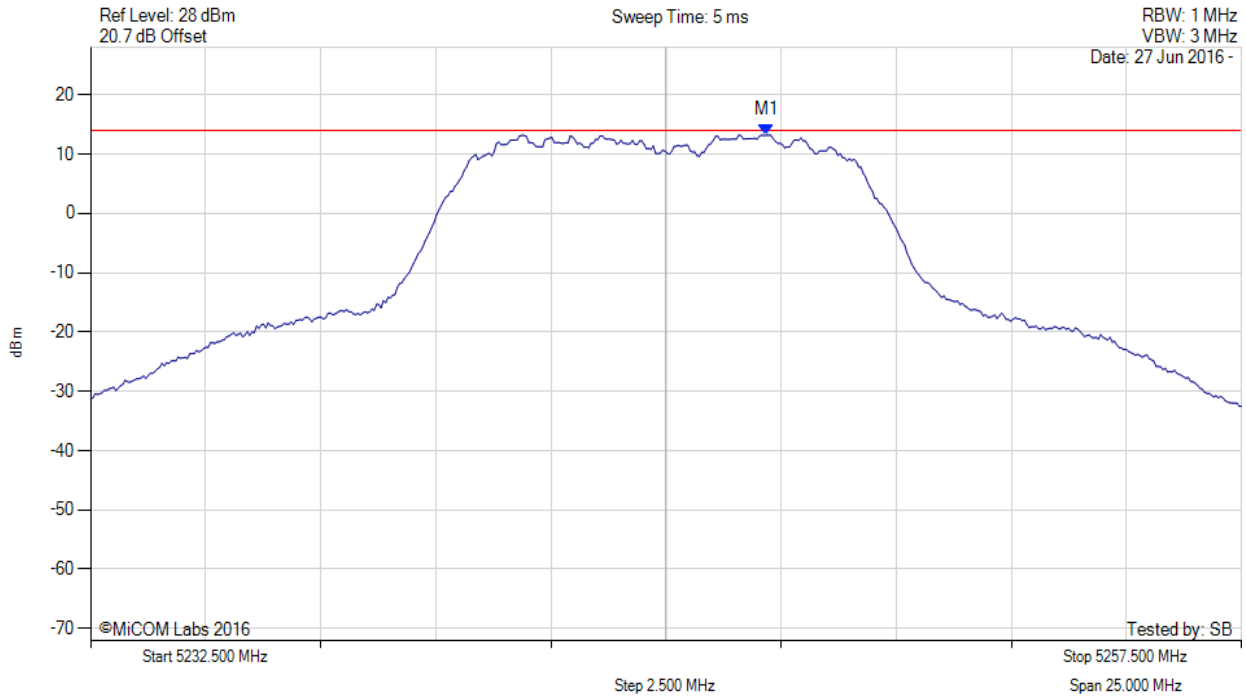


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.528 MHz : 14.201 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5245.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

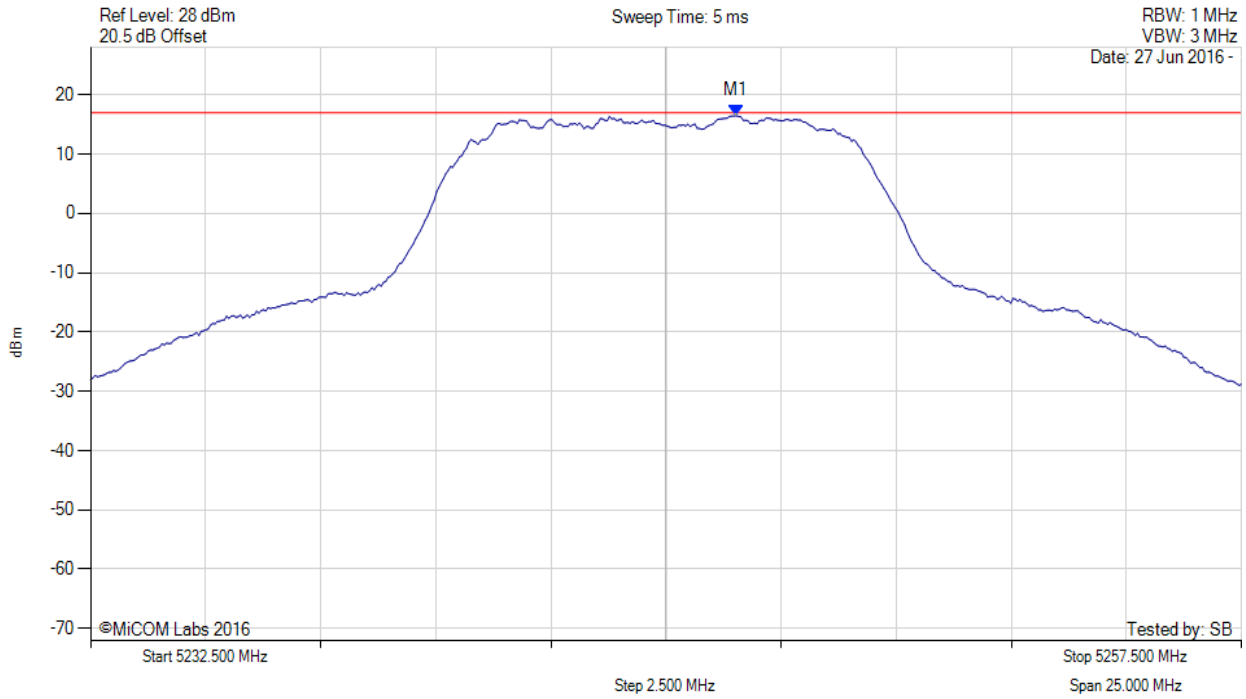


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5247.179 MHz : 13.214 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5245.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

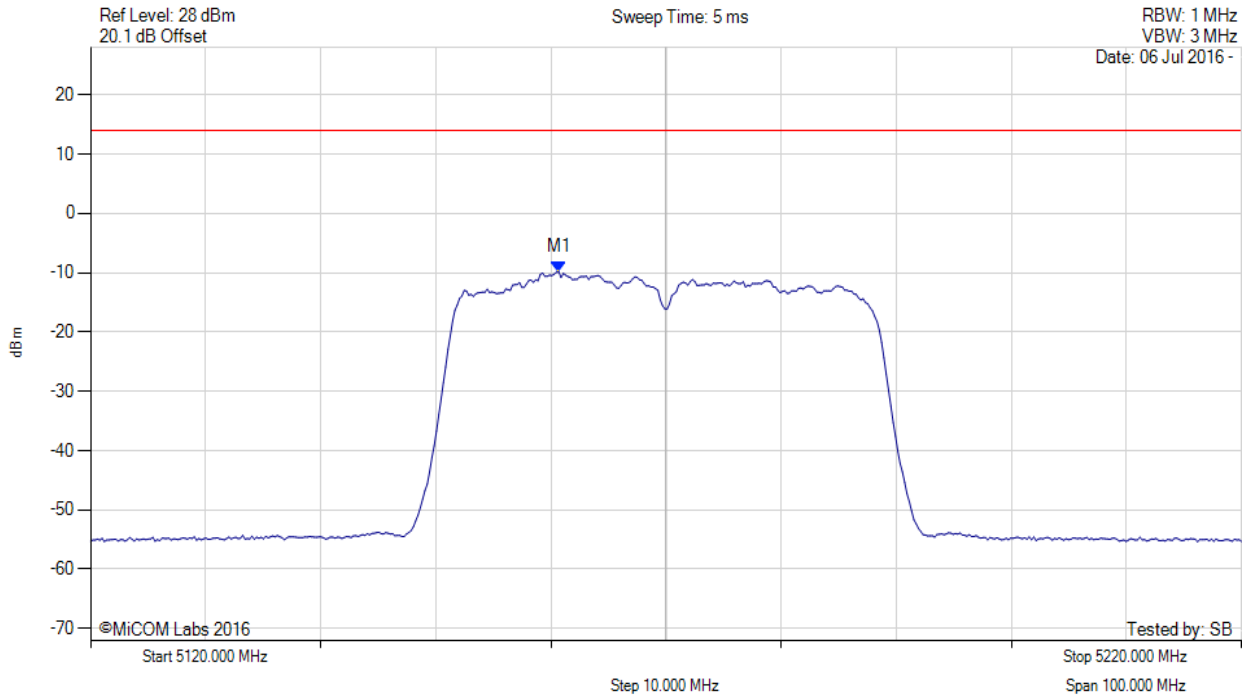


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.500 MHz : 16.449 dBm M1 + DCCF : 5246.500 MHz : 16.523 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 17.0 dBm Margin: -0.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5170.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

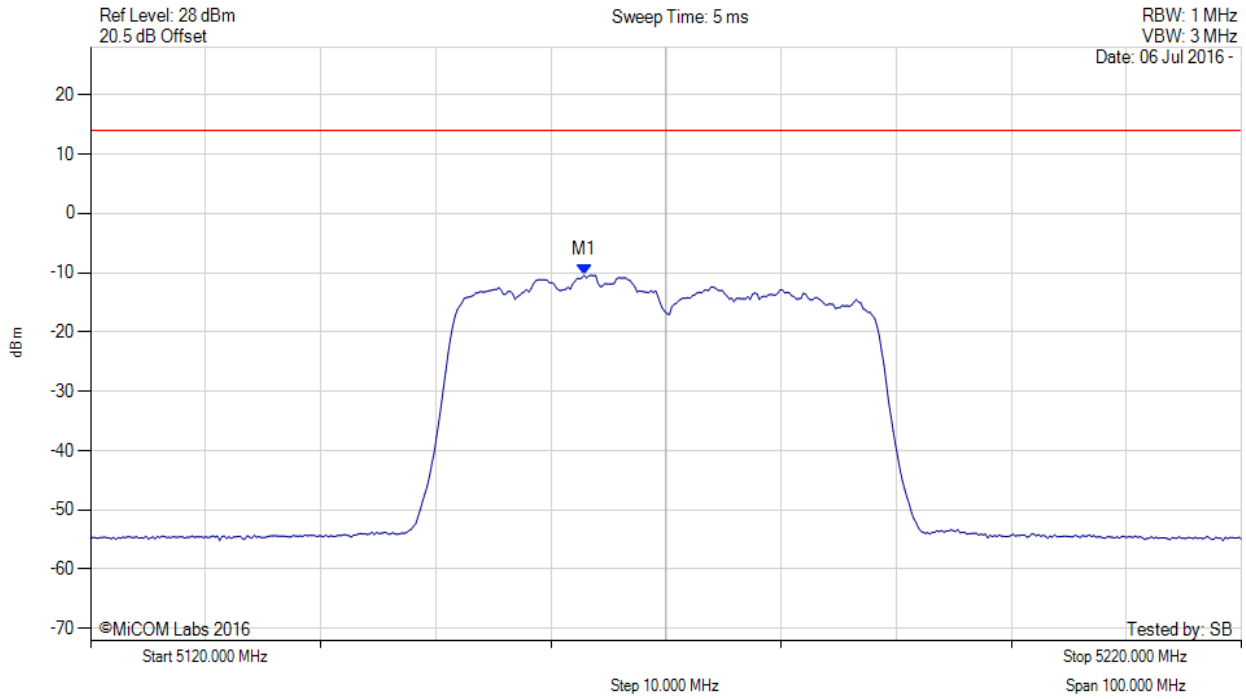


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5160.681 MHz : -9.853 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5170.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

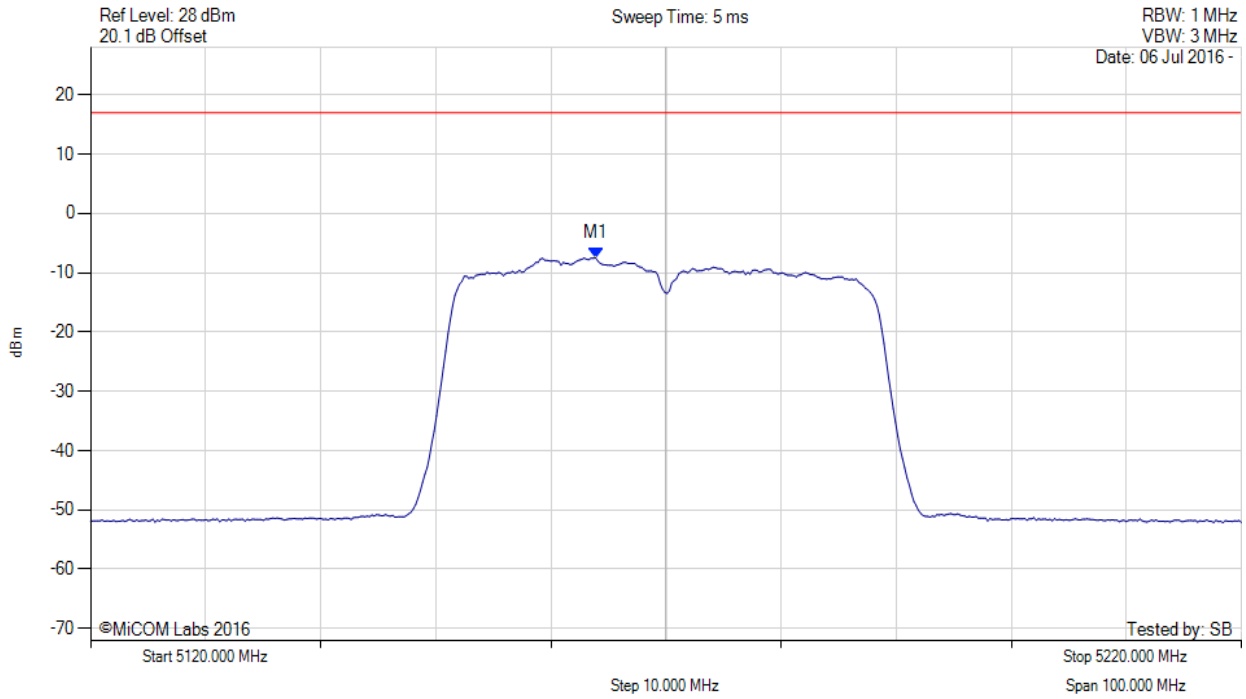


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5162.886 MHz : -10.418 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5170.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

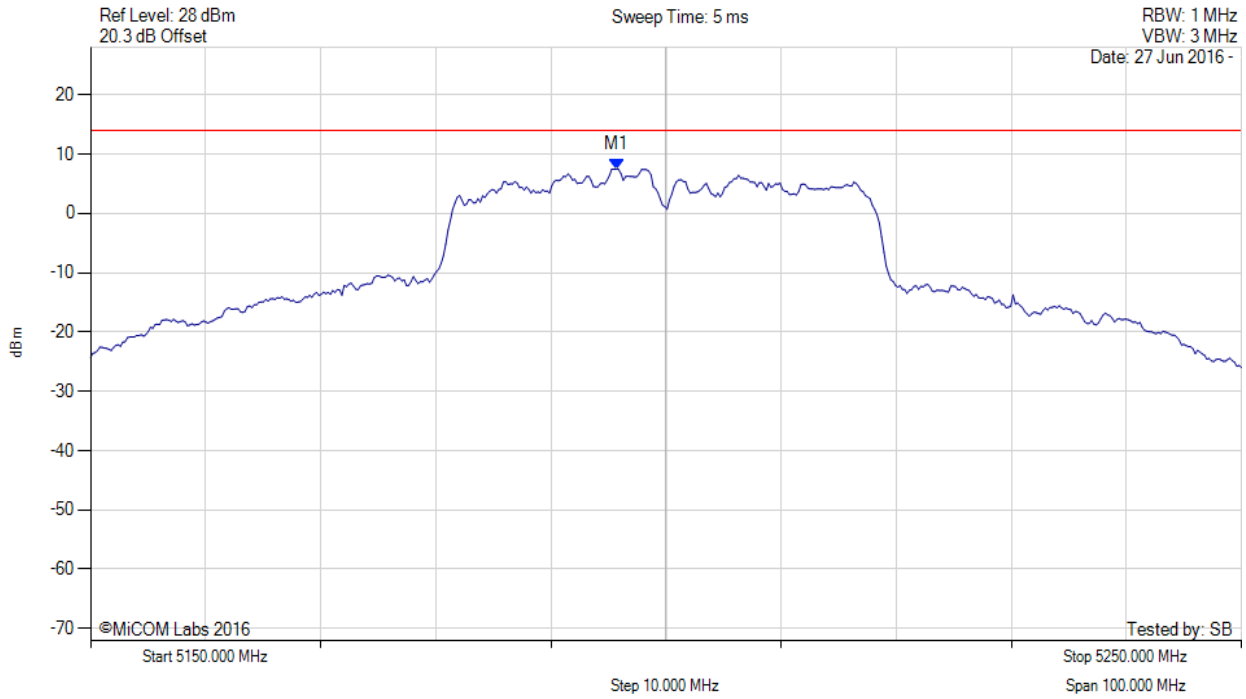


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5163.900 MHz : -7.502 dBm M1 + DCCF : 5163.900 MHz : -7.325 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 17.0 dBm Margin: -24.3 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

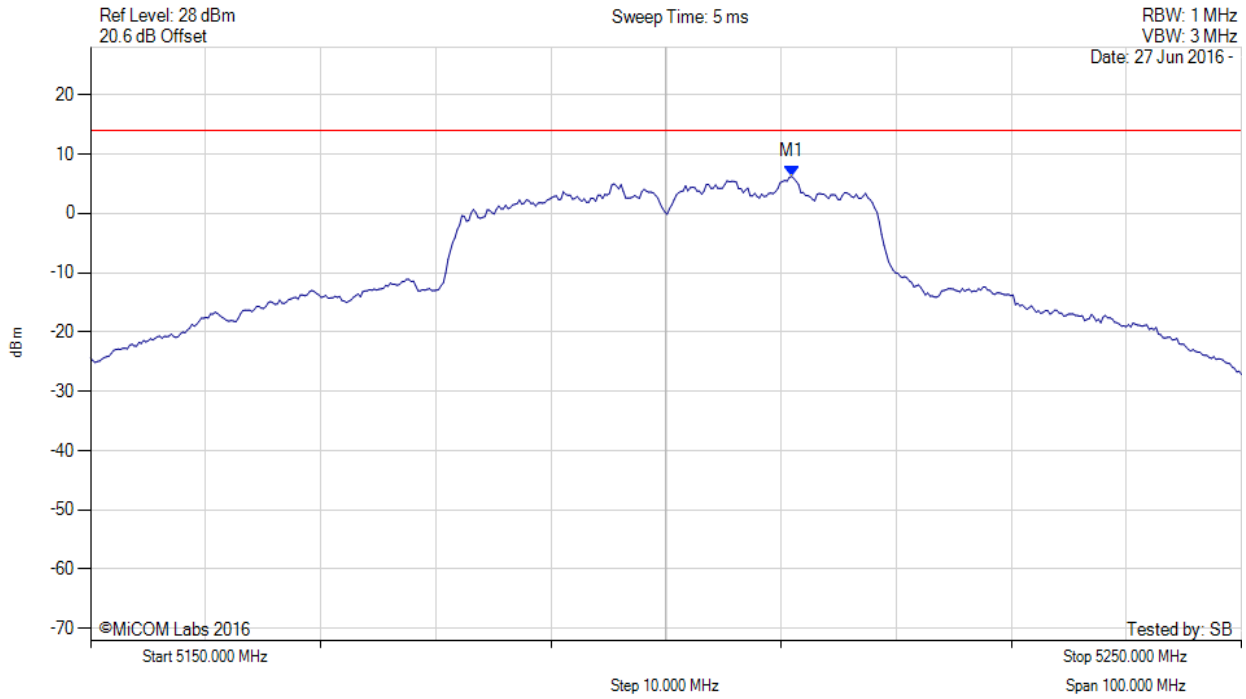


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5195.691 MHz : 7.494 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

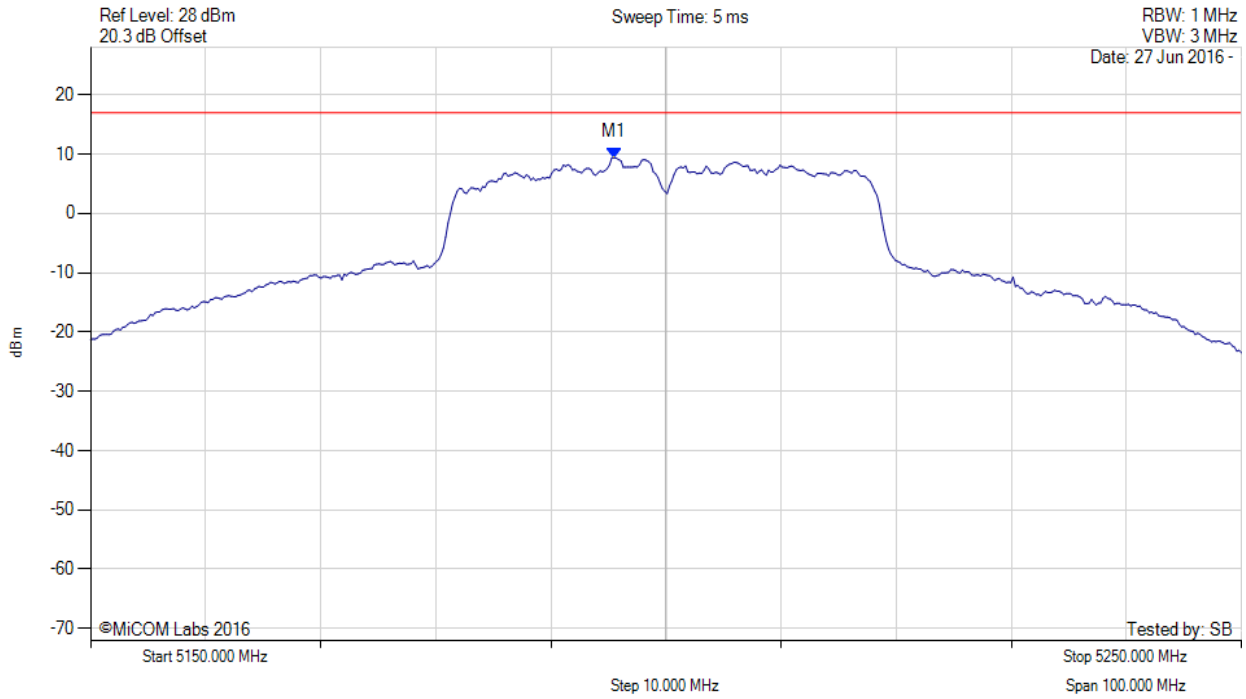


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5210.922 MHz : 6.250 dBm	Channel Frequency: 5200.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

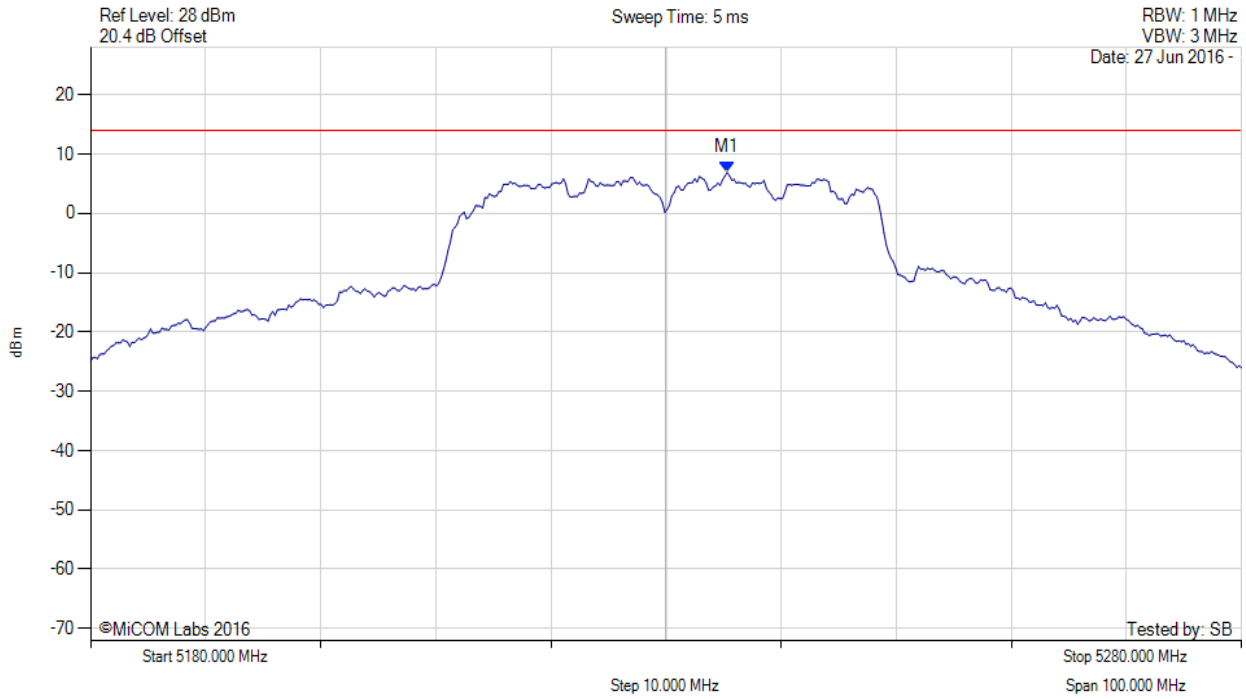


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5195.500 MHz : 9.399 dBm M1 + DCCF : 5195.500 MHz : 9.576 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 17.0 dBm Margin: -7.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5230.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

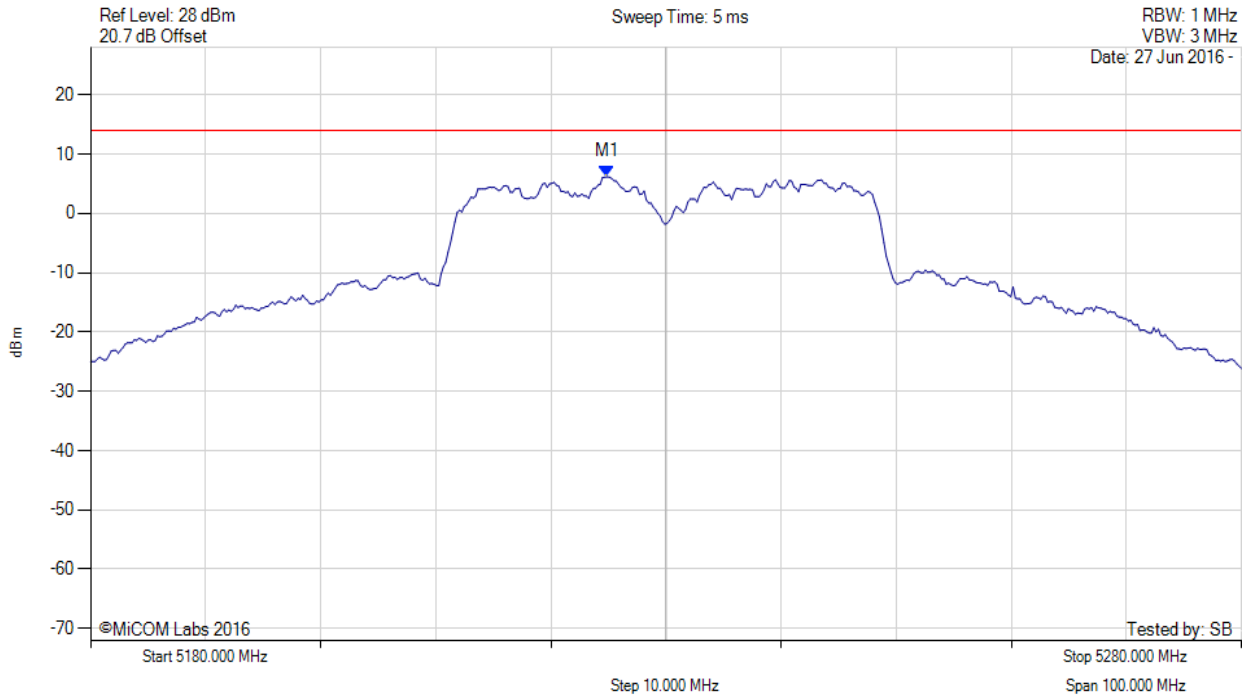


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5235.311 MHz : 6.896 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5230.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

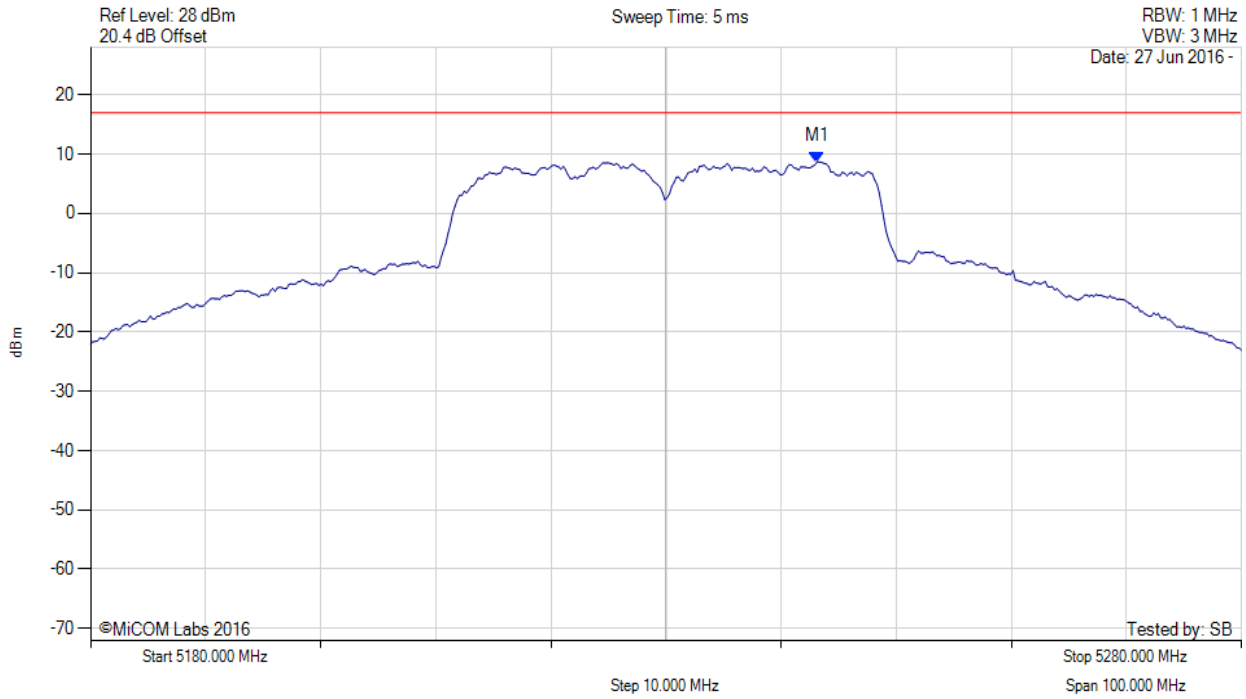


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5224.890 MHz : 6.165 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5230.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

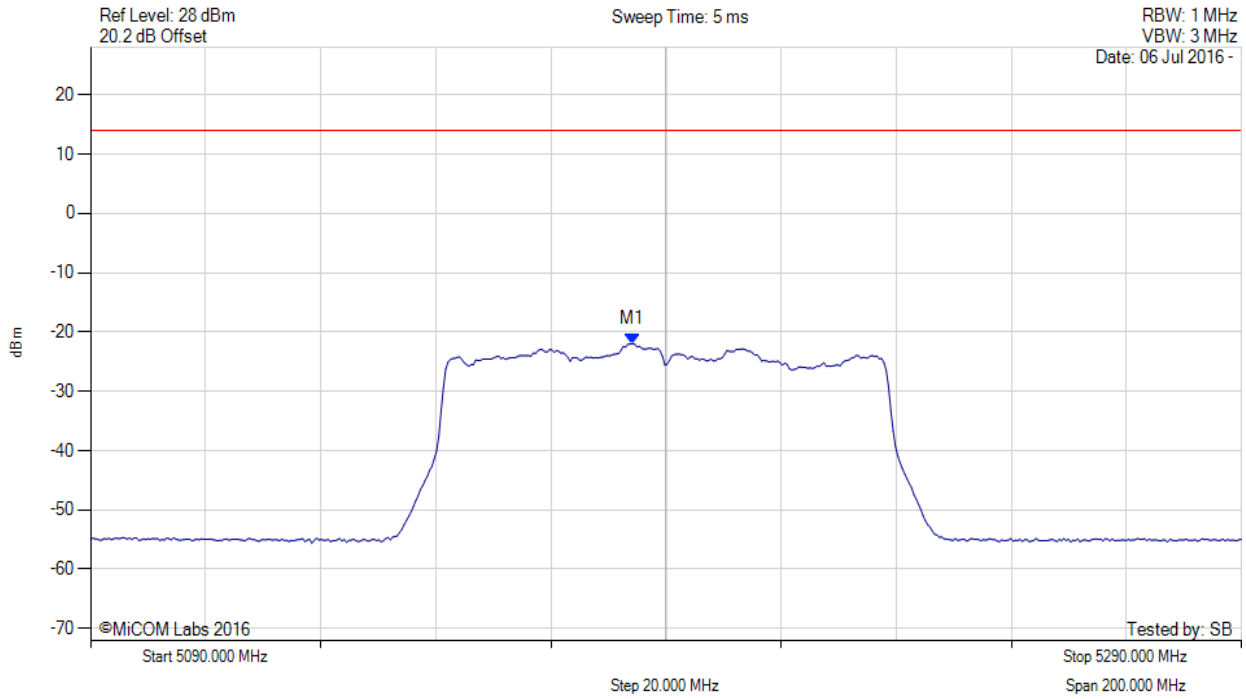


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5243.100 MHz : 8.678 dBm M1 + DCCF : 5243.100 MHz : 8.855 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 17.0 dBm Margin: -8.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5190.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

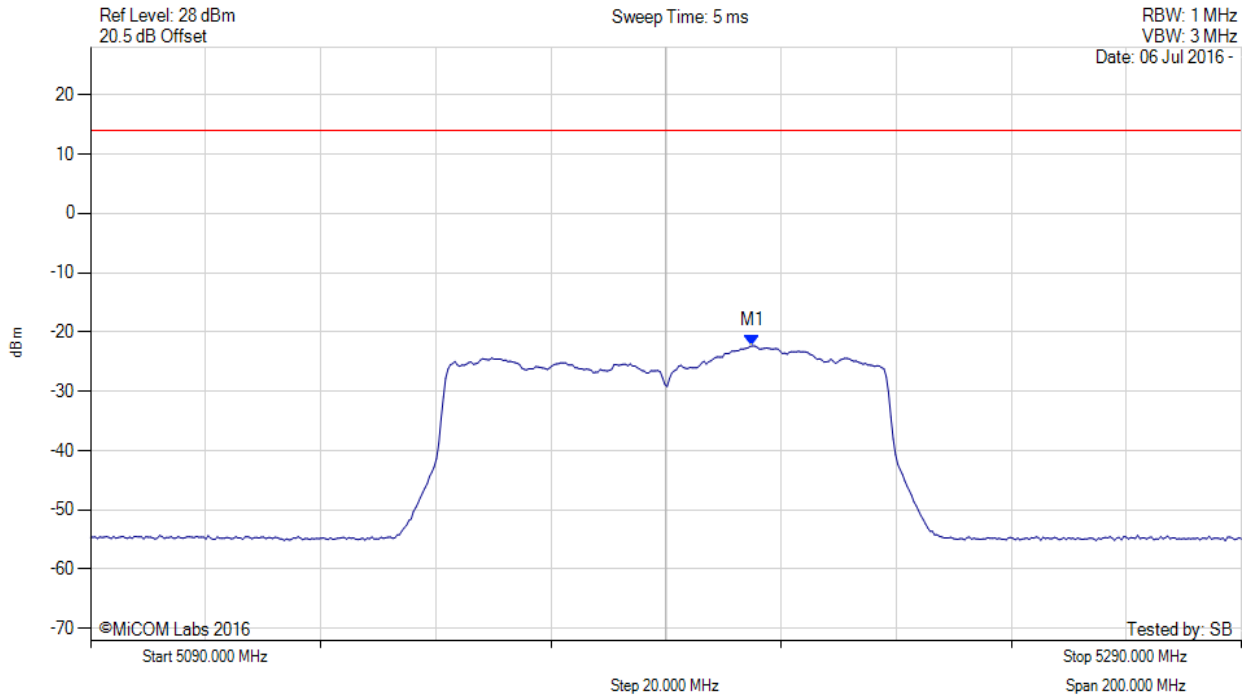


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5184.188 MHz : -21.984 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5190.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

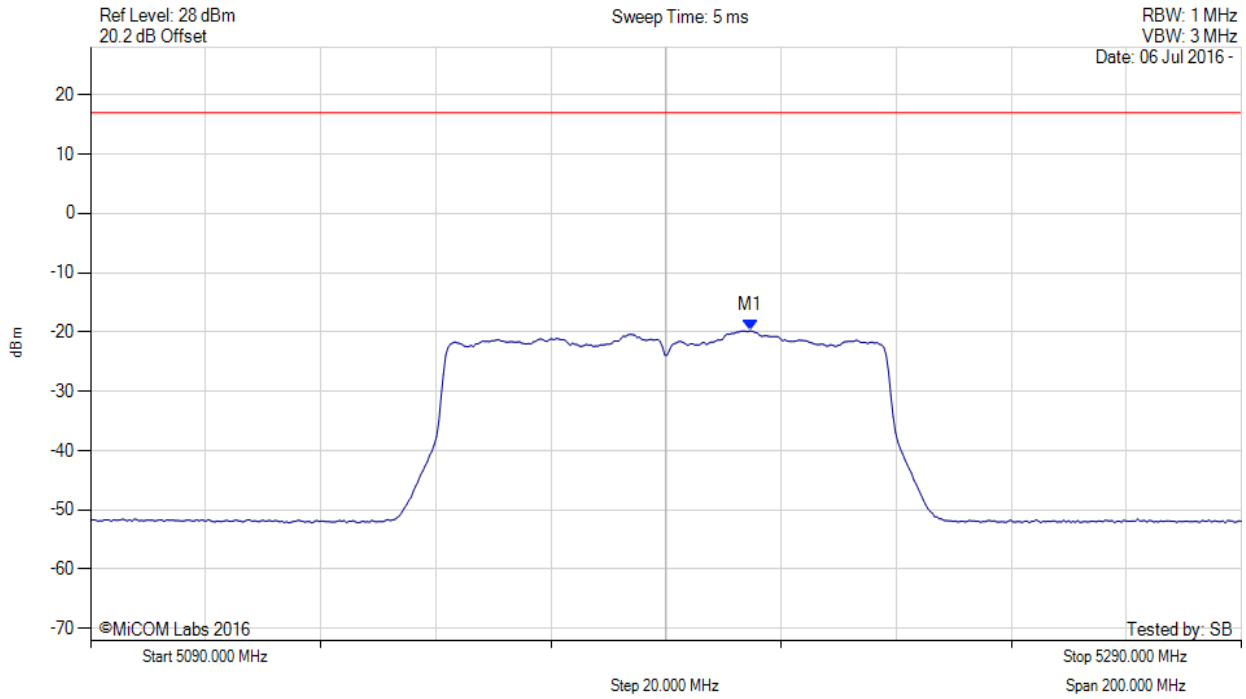


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5205.030 MHz : -22.345 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5190.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

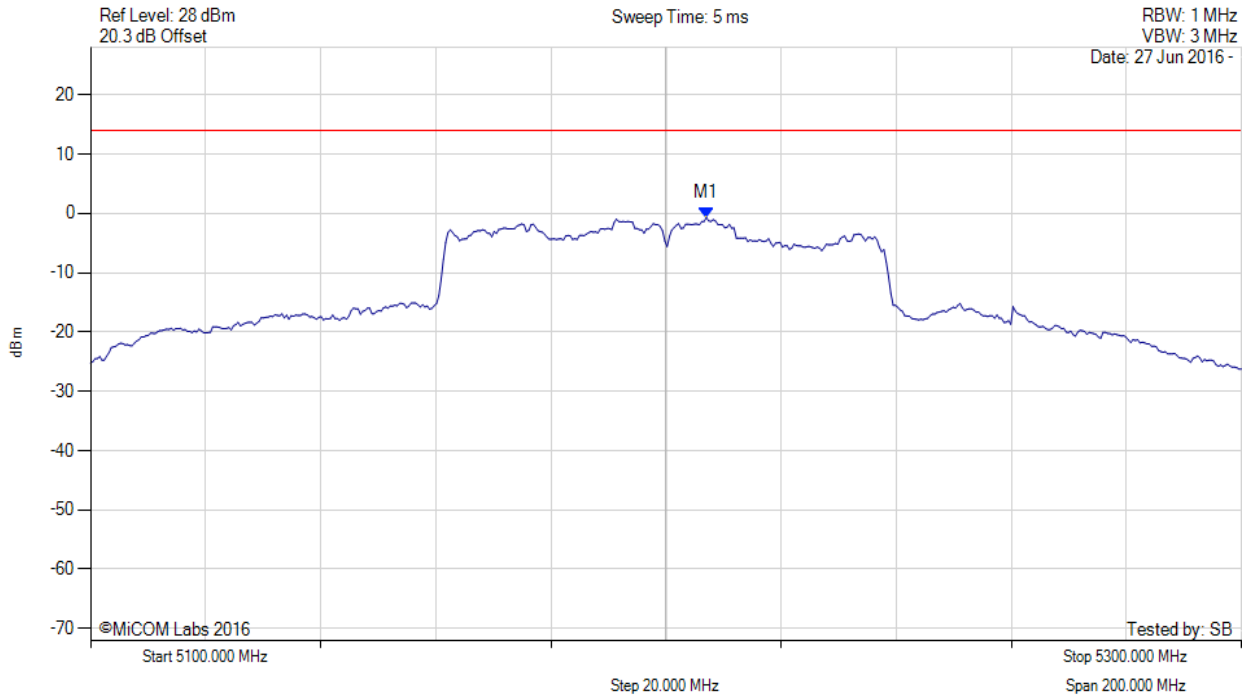


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5204.600 MHz : -19.777 dBm M1 + DCCF : 5204.600 MHz : -18.915 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 17.0 dBm Margin: -35.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

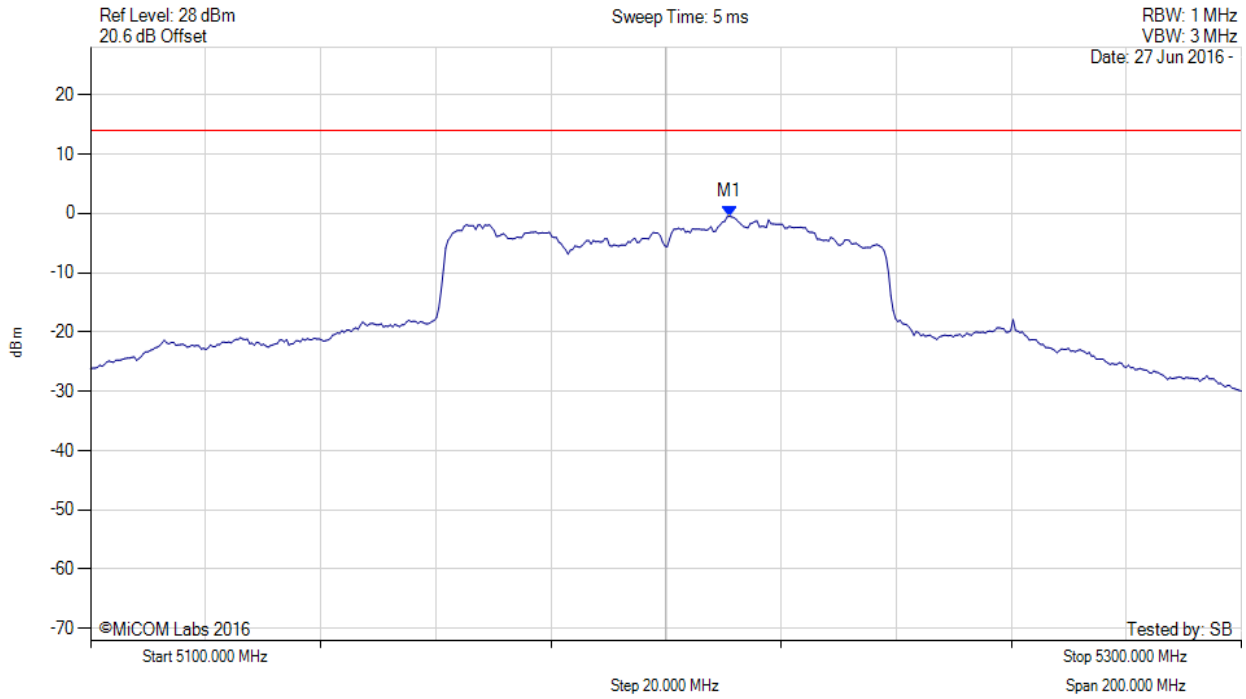


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5207.014 MHz : -0.699 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

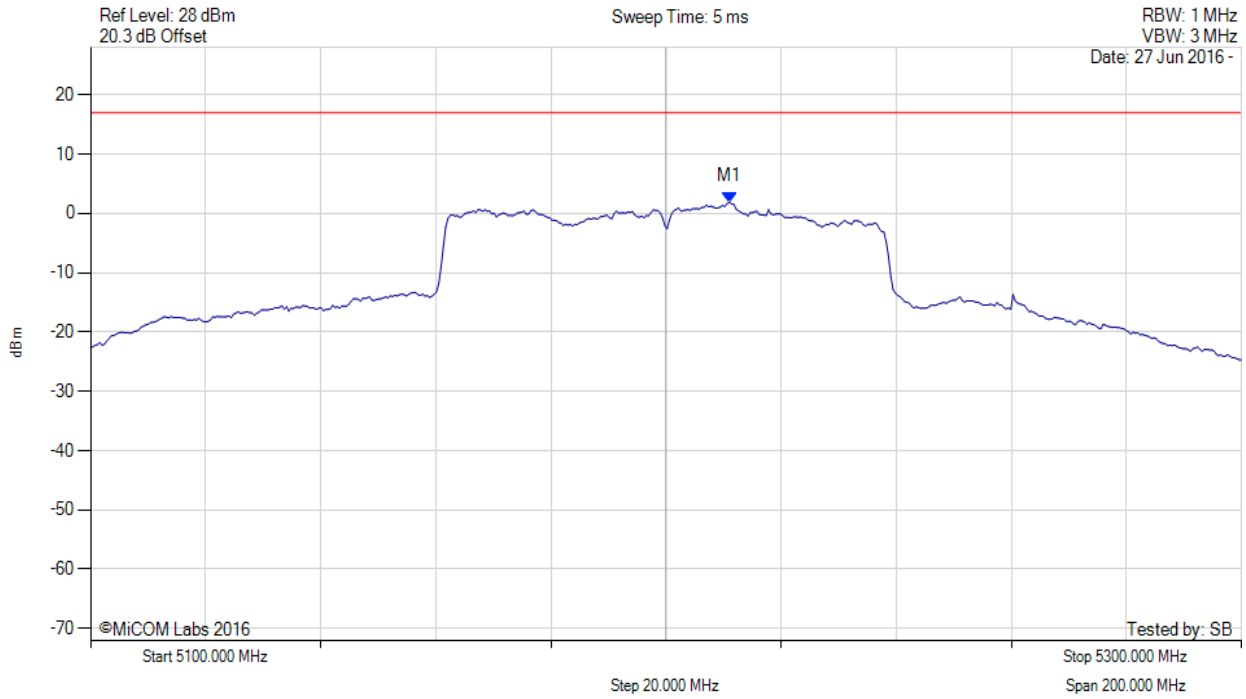


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5211.022 MHz : -0.477 dBm	Channel Frequency: 5200.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

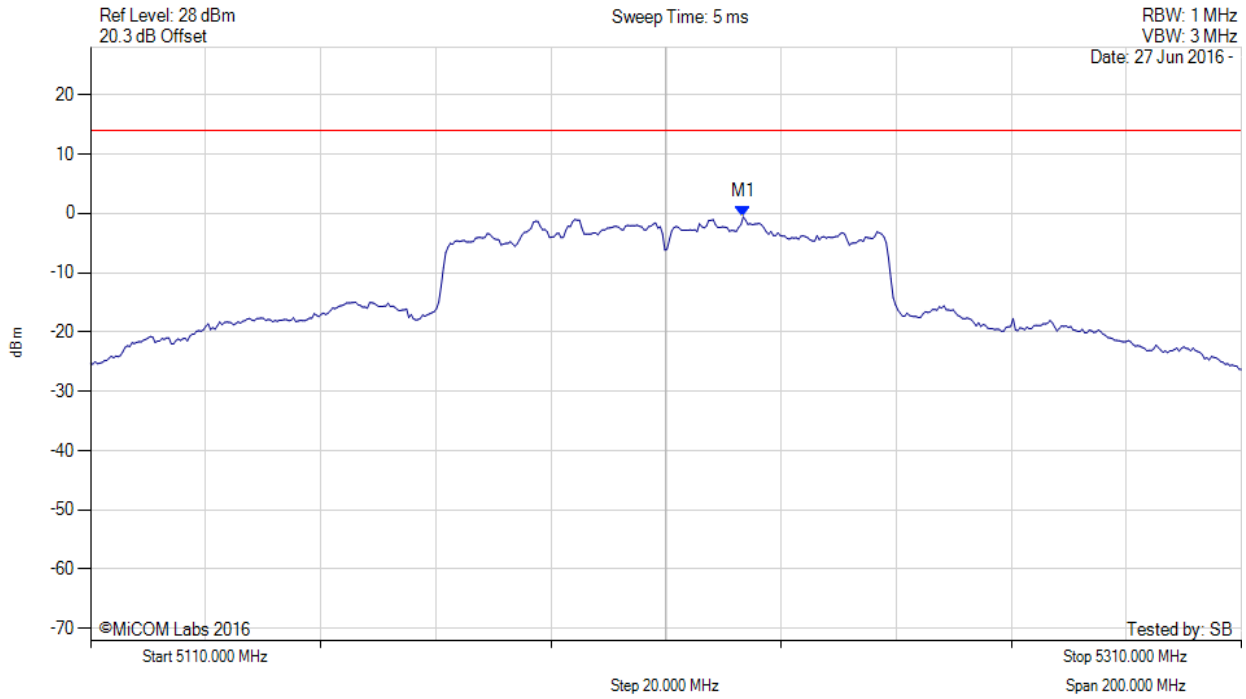


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5211.000 MHz : 1.899 dBm M1 + DCCF : 5211.000 MHz : 2.761 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 17.0 dBm Margin: -14.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5210.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

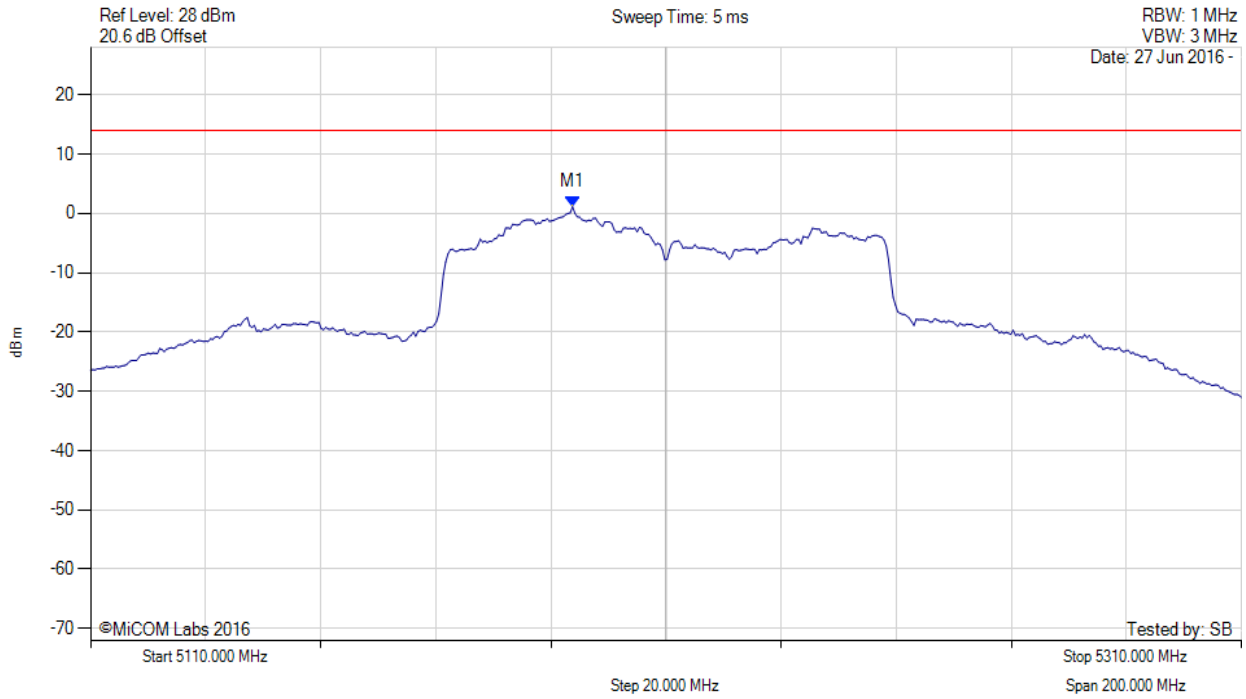


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5223.427 MHz : -0.582 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5210.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

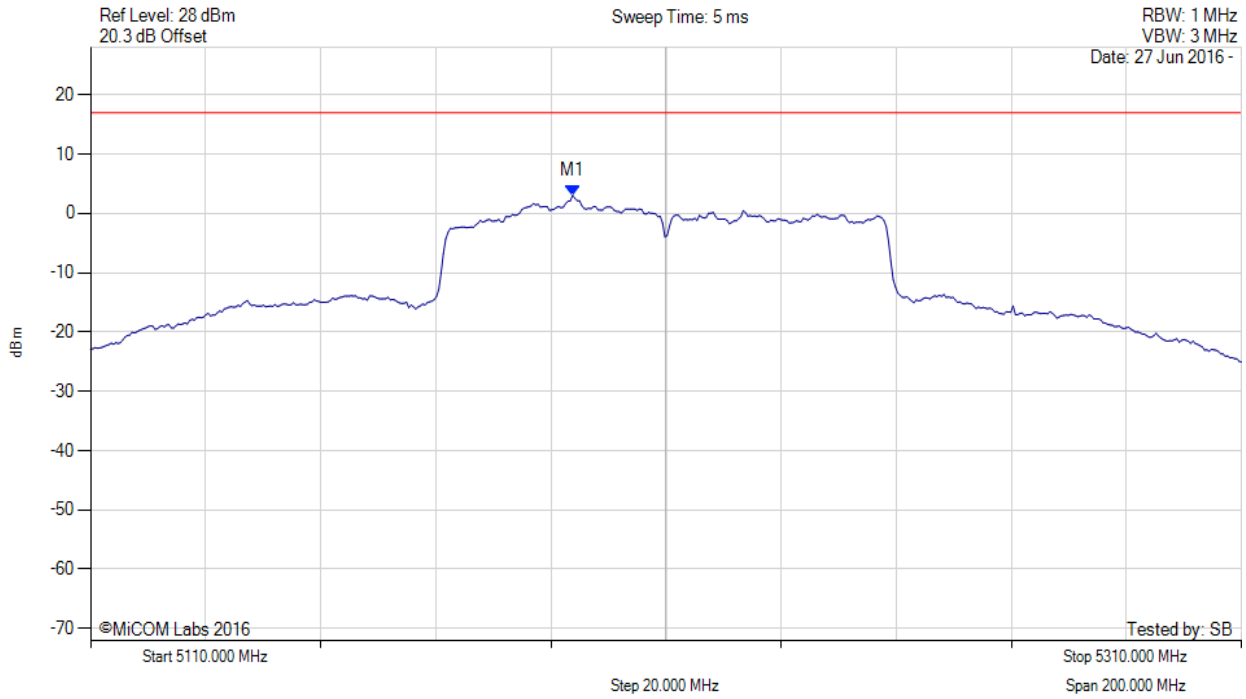


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5193.768 MHz : 1.134 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5210.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

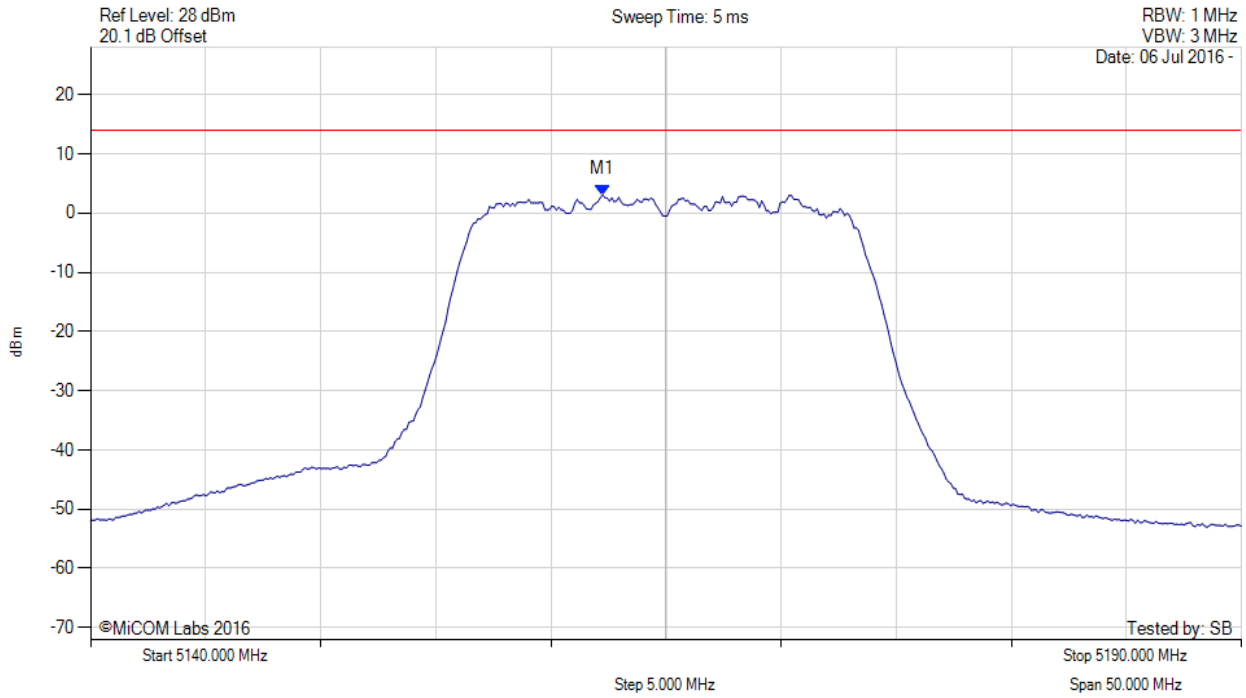


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5193.800 MHz : 3.061 dBm M1 + DCCF : 5193.800 MHz : 3.923 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 17.0 dBm Margin: -13.1 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5165.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

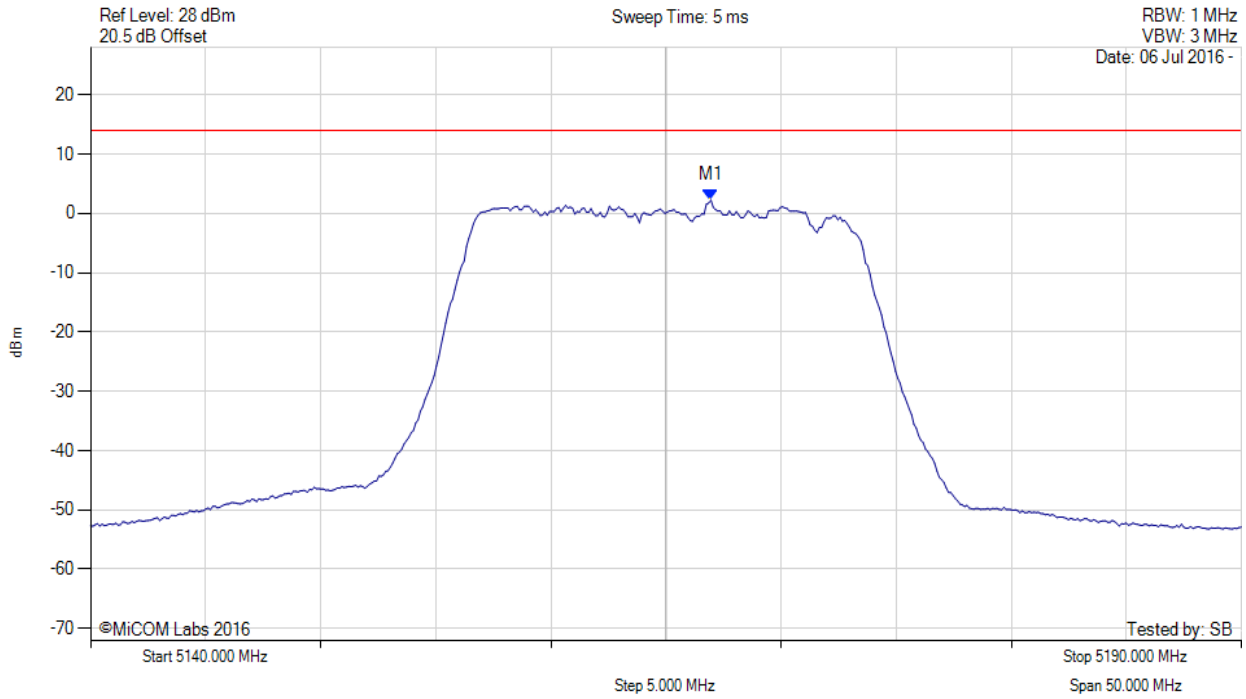


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5162.244 MHz : 3.074 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5165.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

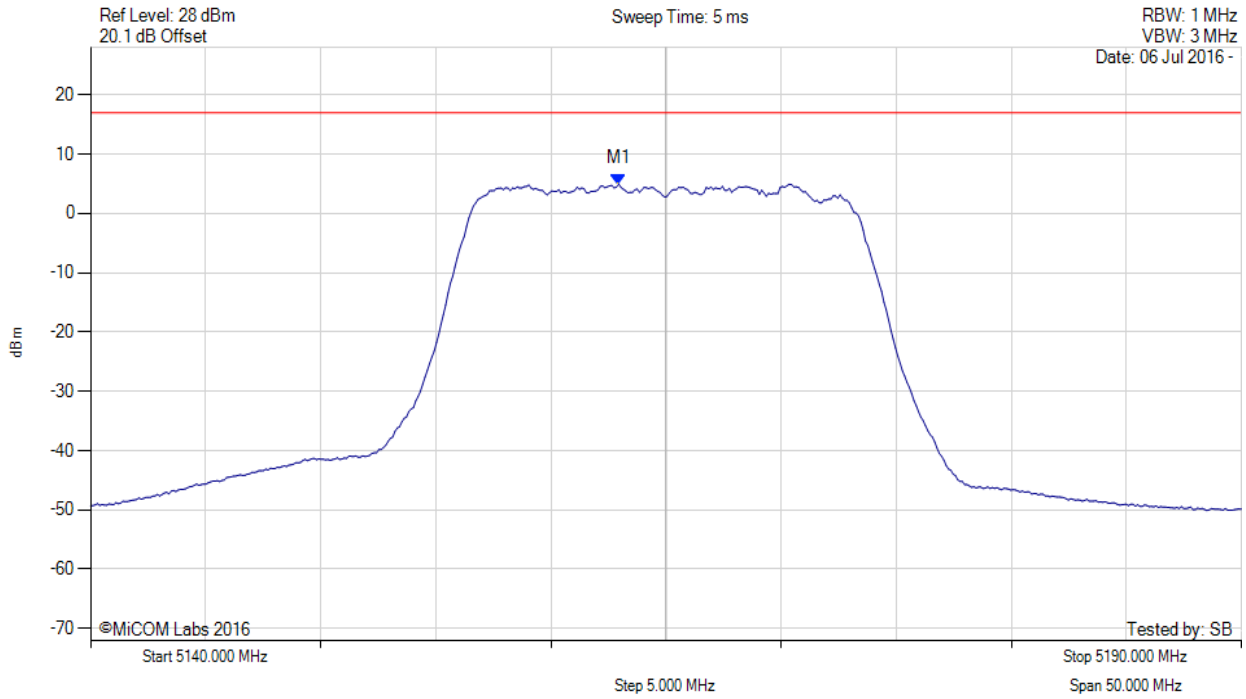


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5166.954 MHz : 2.227 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5165.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

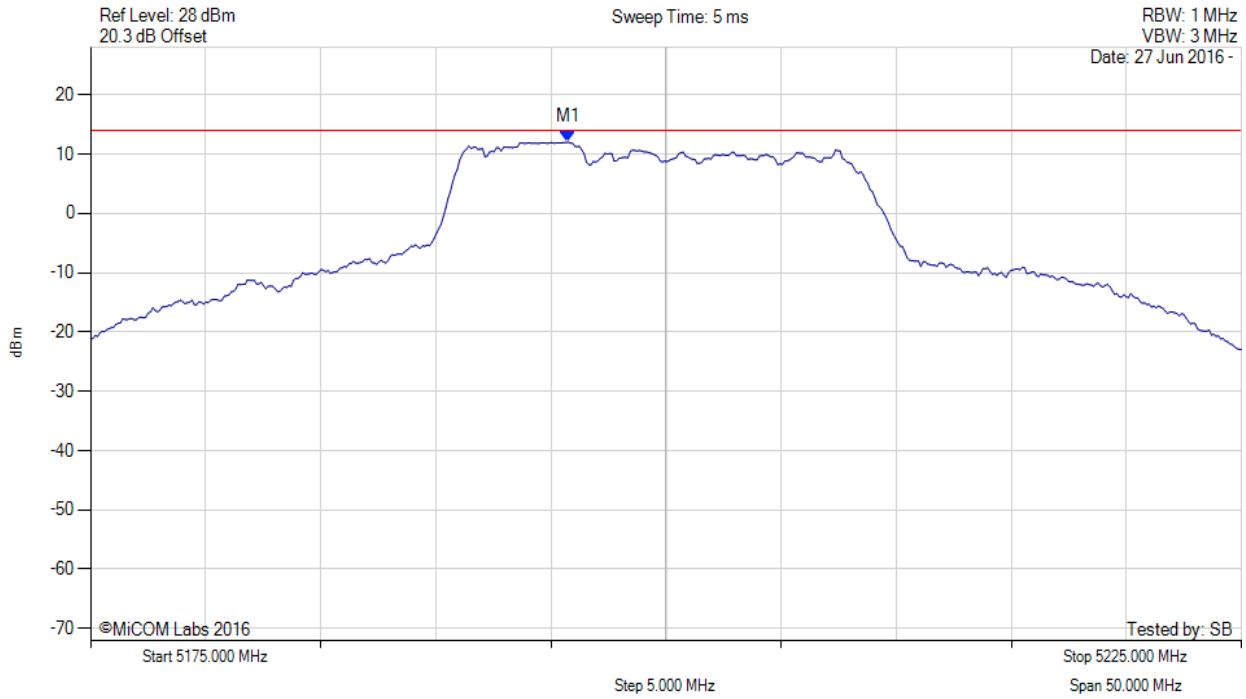


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5162.900 MHz : 4.947 dBm M1 + DCCF : 5162.900 MHz : 5.021 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 17.0 dBm Margin: -12.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

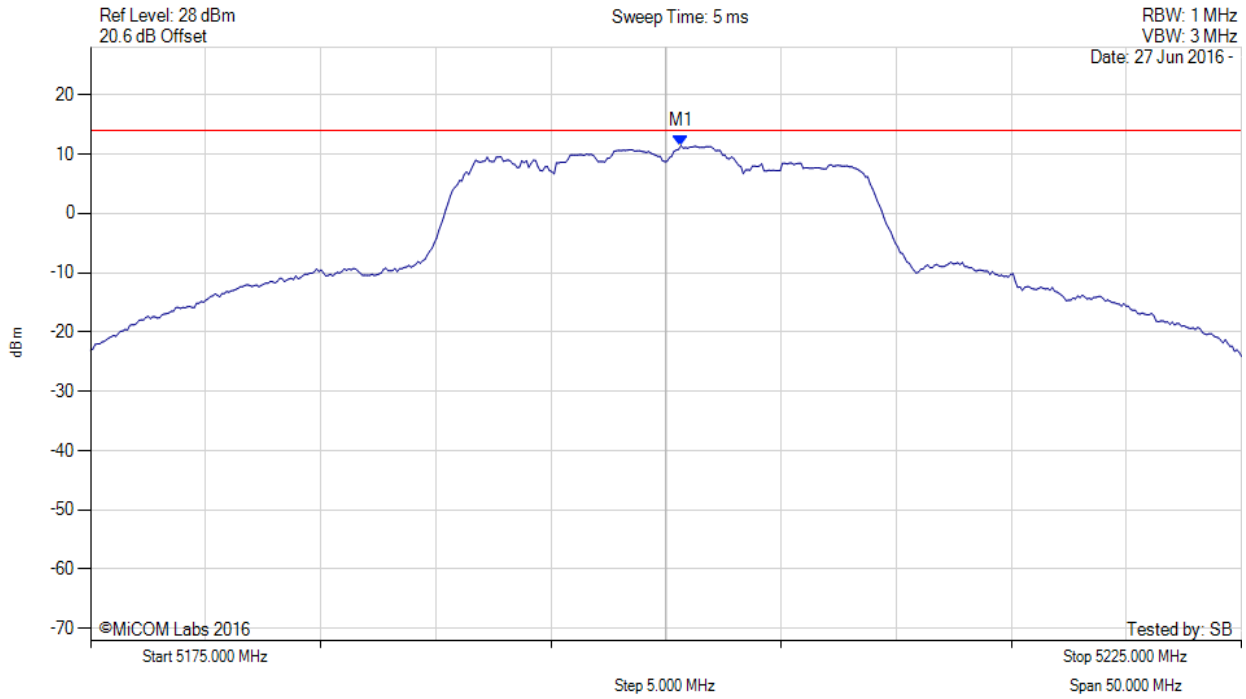


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5195.741 MHz : 12.021 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

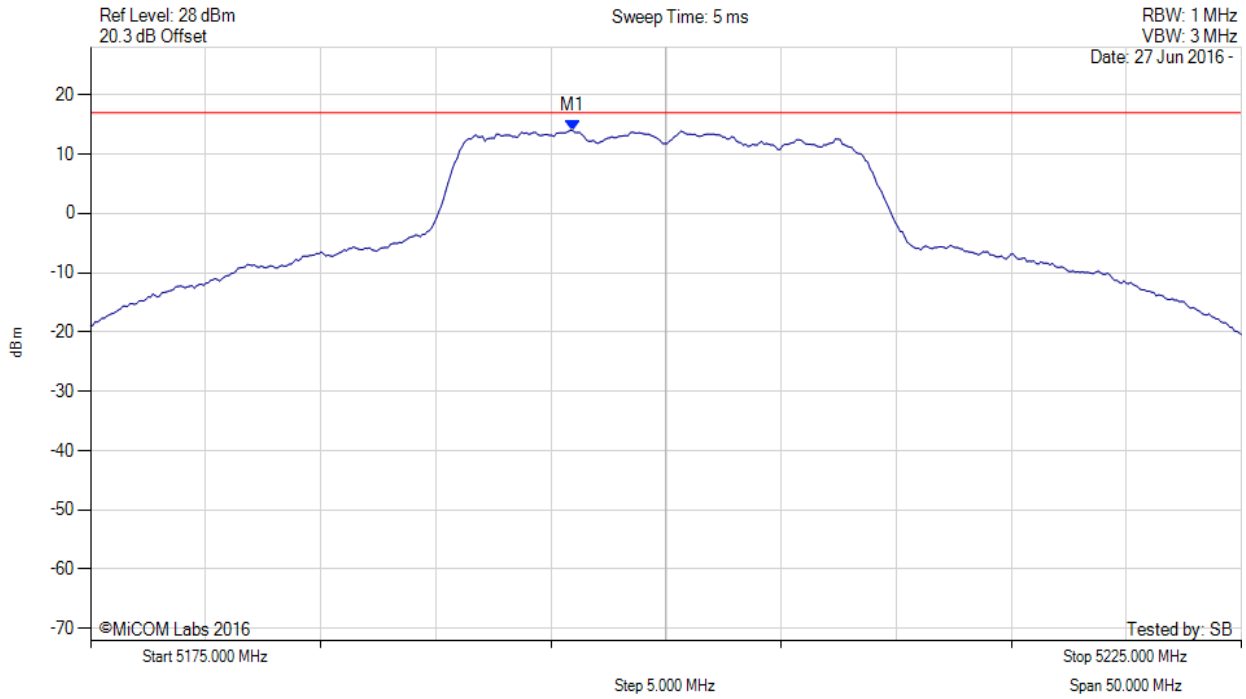


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5200.651 MHz : 11.432 dBm	Channel Frequency: 5200.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5200.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

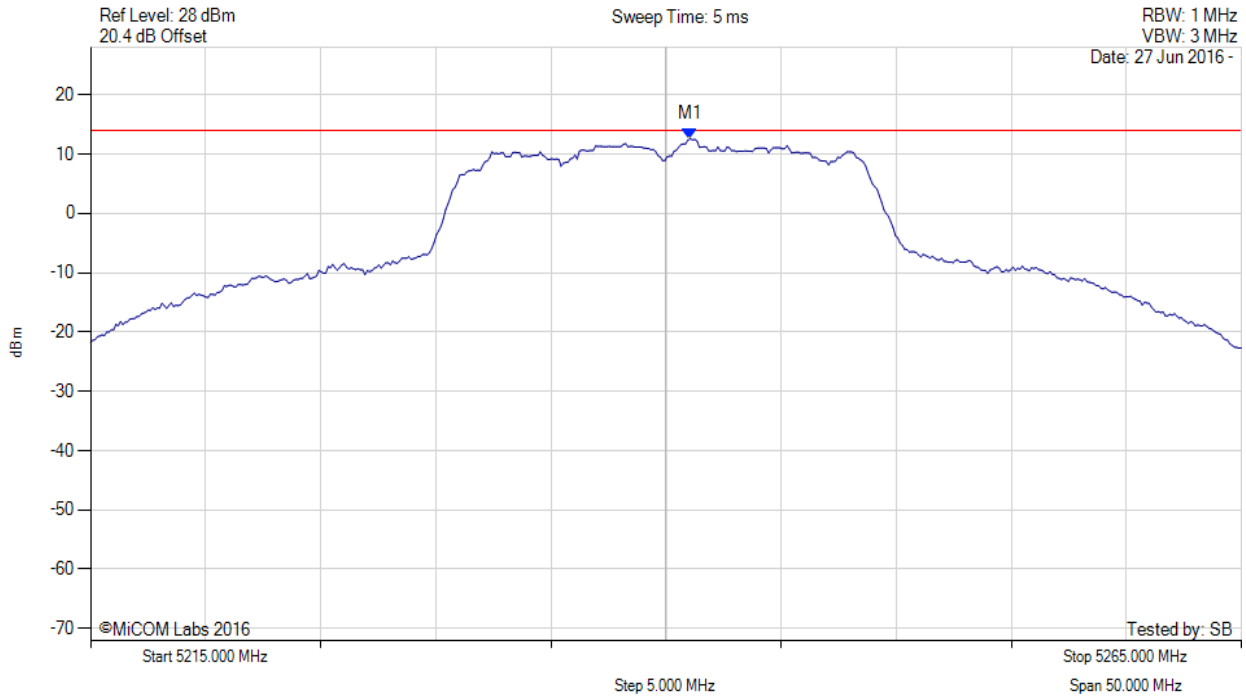


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5195.900 MHz : 13.991 dBm M1 + DCCF : 5195.900 MHz : 14.065 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 17.0 dBm Margin: -2.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

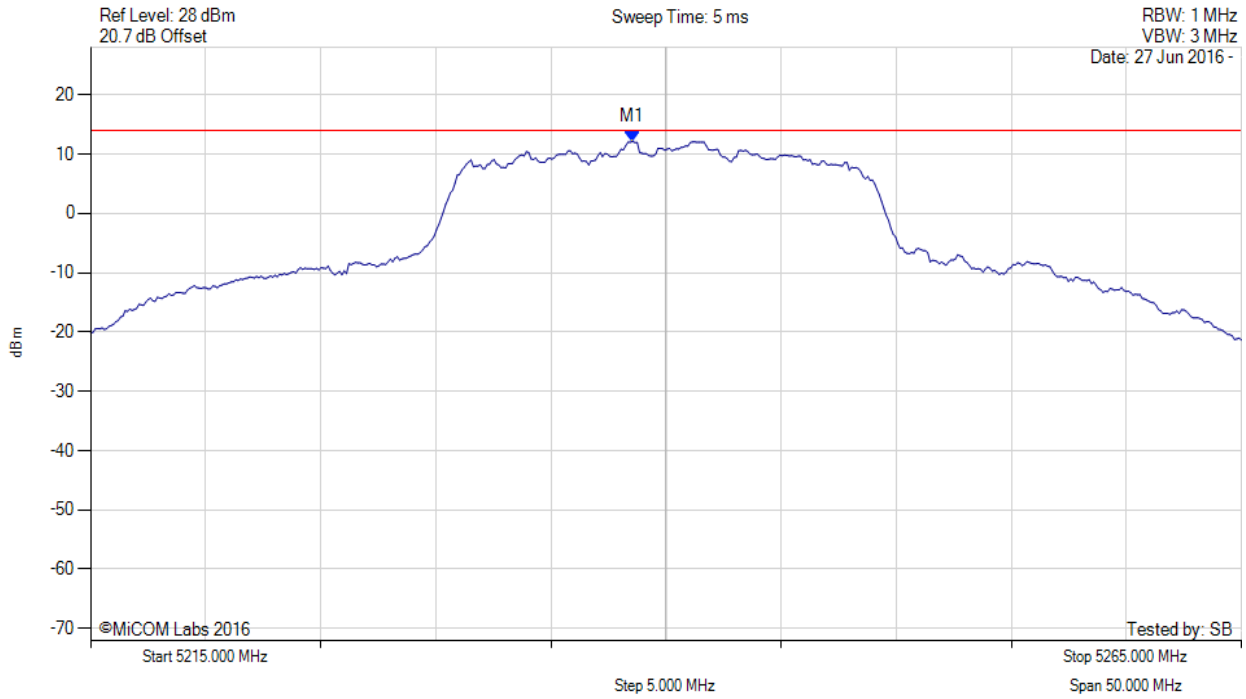


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5241.052 MHz : 12.584 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

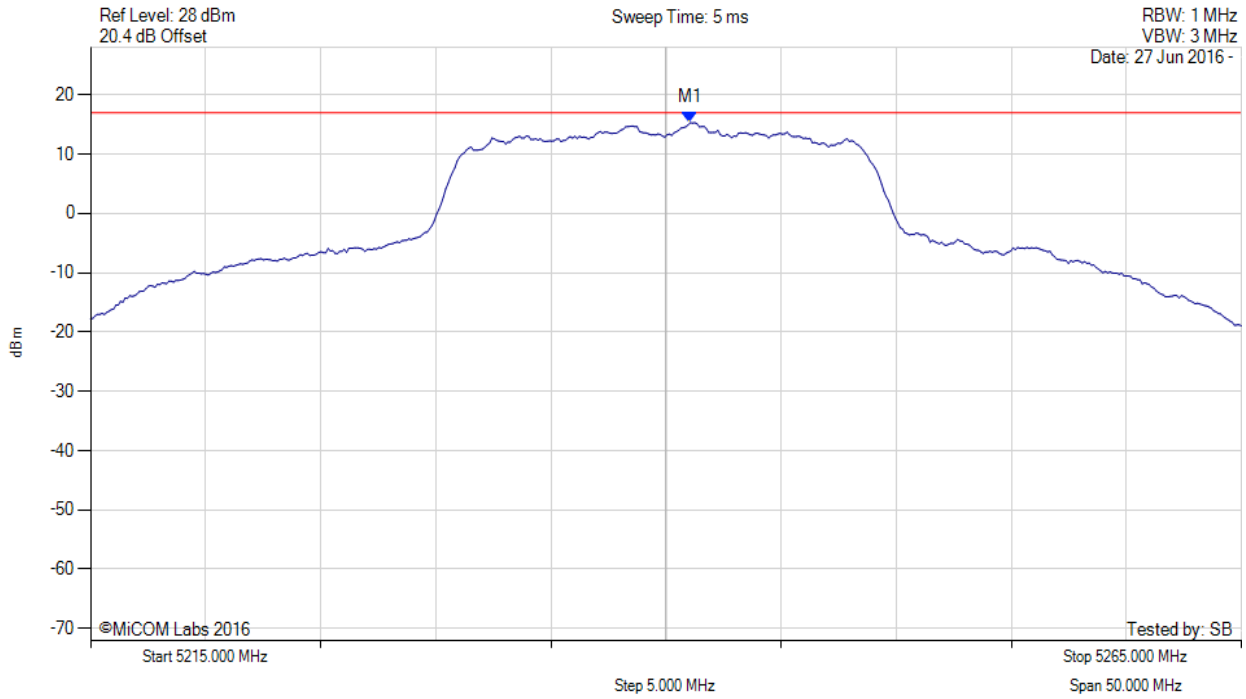


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.547 MHz : 12.130 dBm	Limit: ≤ 13.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5240.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

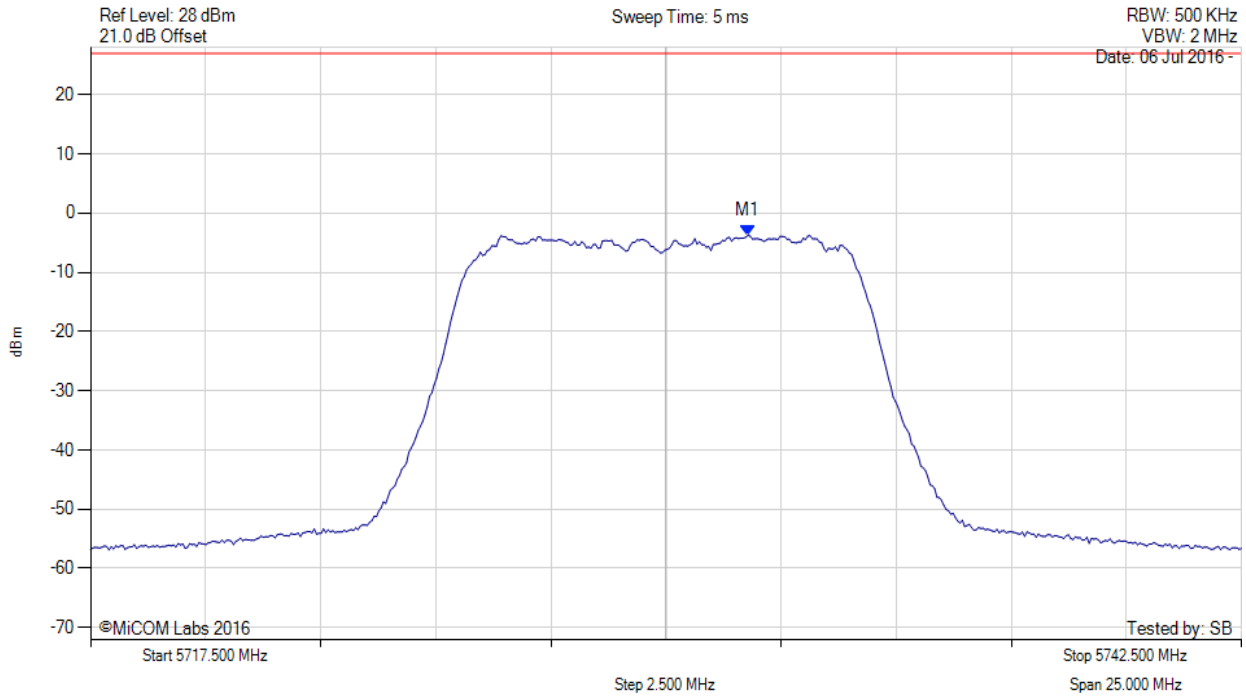


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5241.100 MHz : 15.291 dBm M1 + DCCF : 5241.100 MHz : 15.365 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 17.0 dBm Margin: -1.6 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5730.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

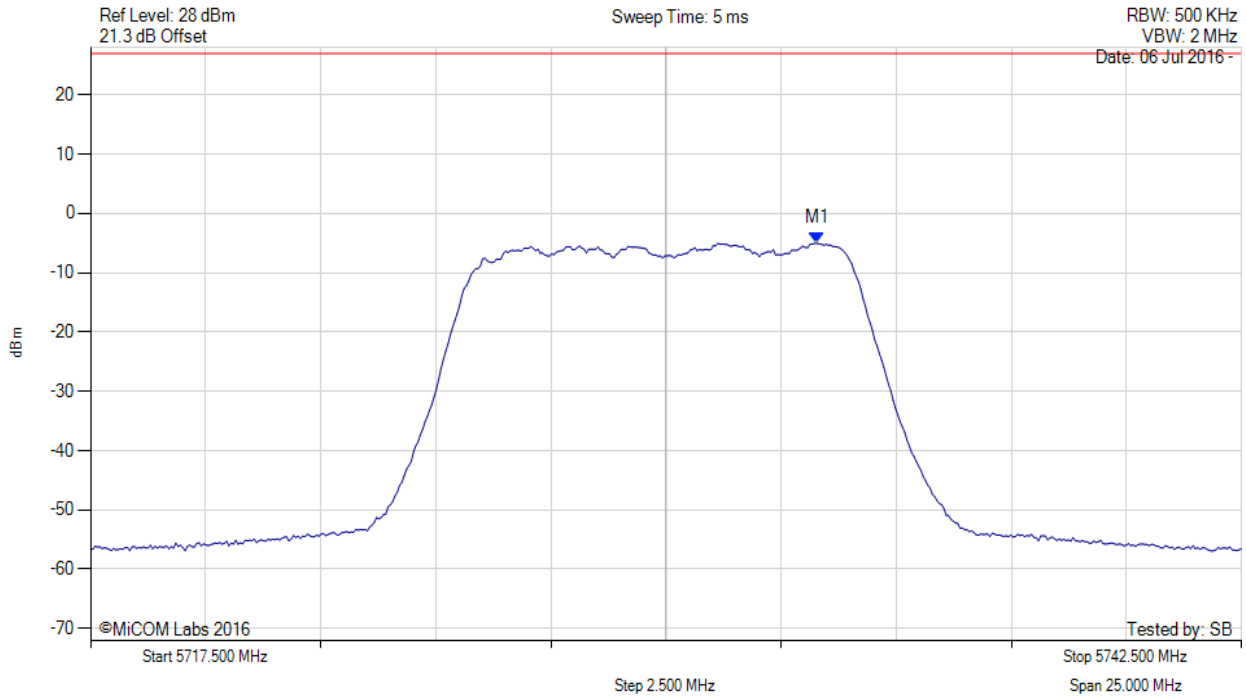


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5731.779 MHz : -3.763 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5730.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

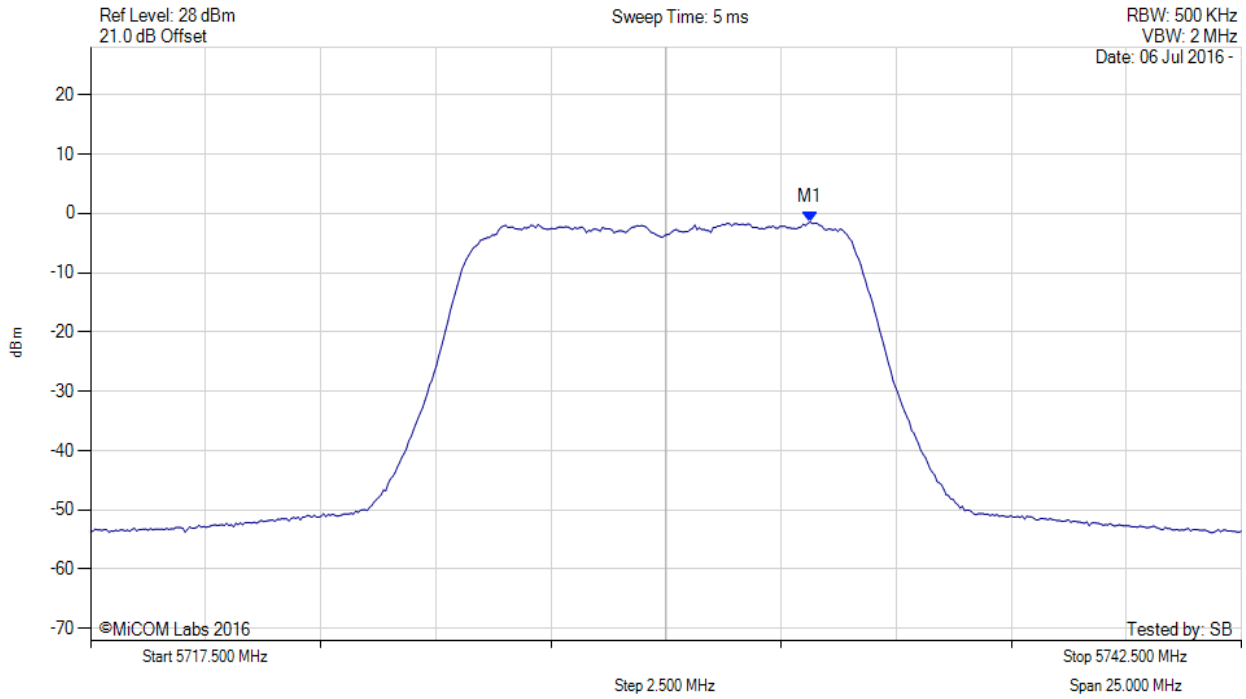


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5733.282 MHz : -5.029 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5730.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

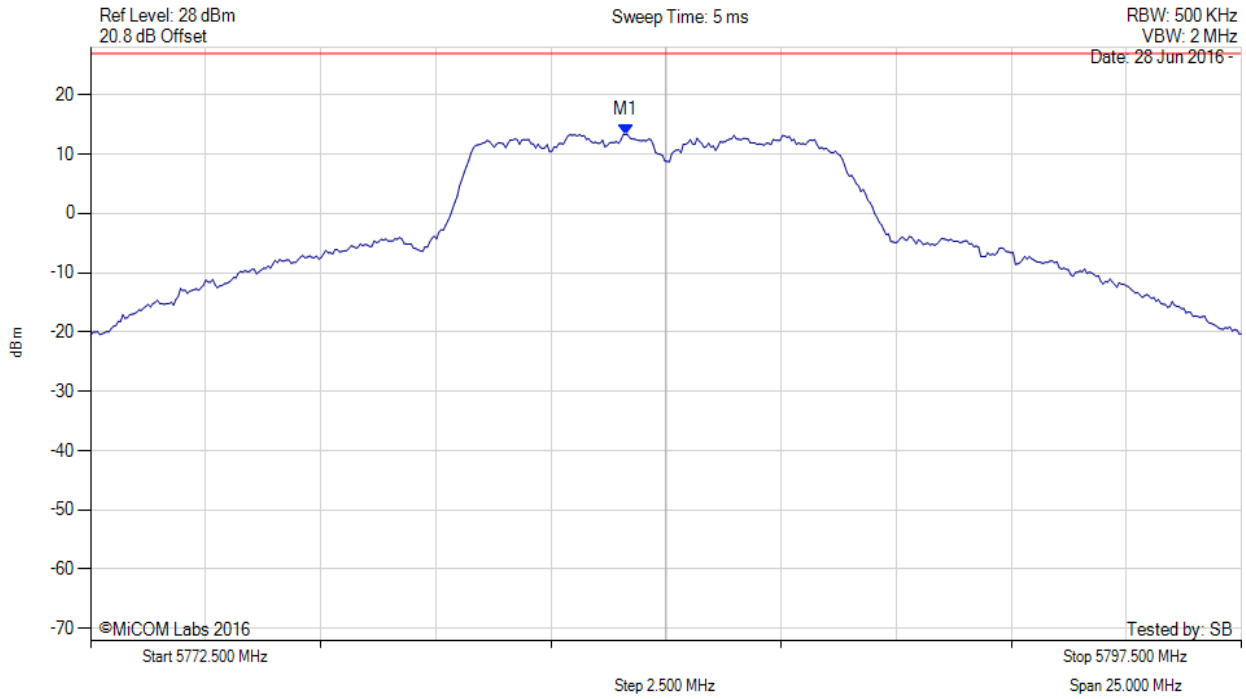


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5733.100 MHz : -1.437 dBm M1 + DCCF : 5733.100 MHz : -1.363 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 30.0 dBm Margin: -31.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

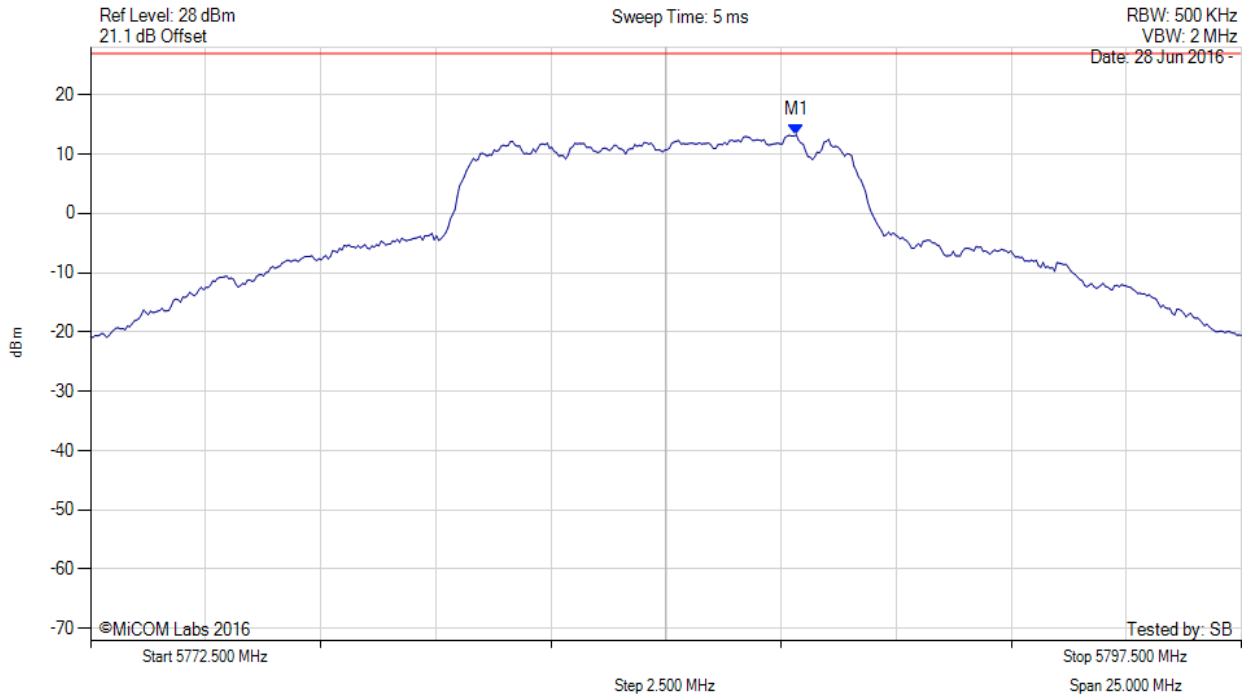


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5784.123 MHz : 13.326 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

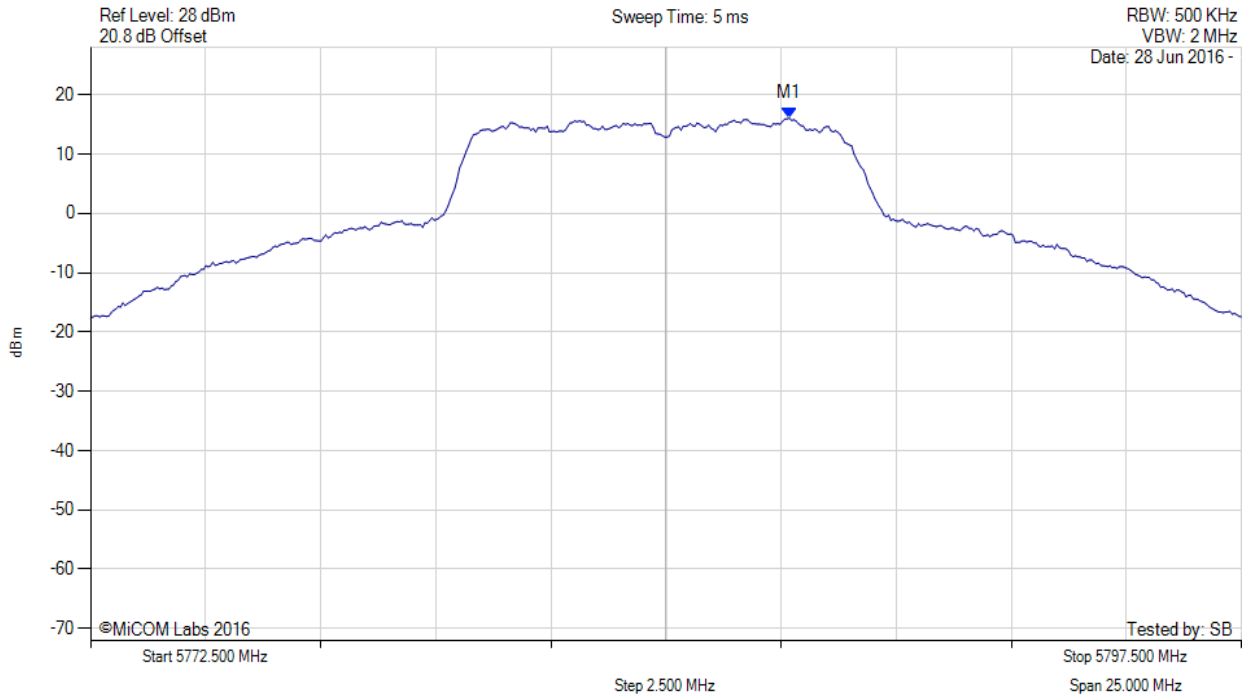


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.831 MHz : 13.244 dBm	Channel Frequency: 5785.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

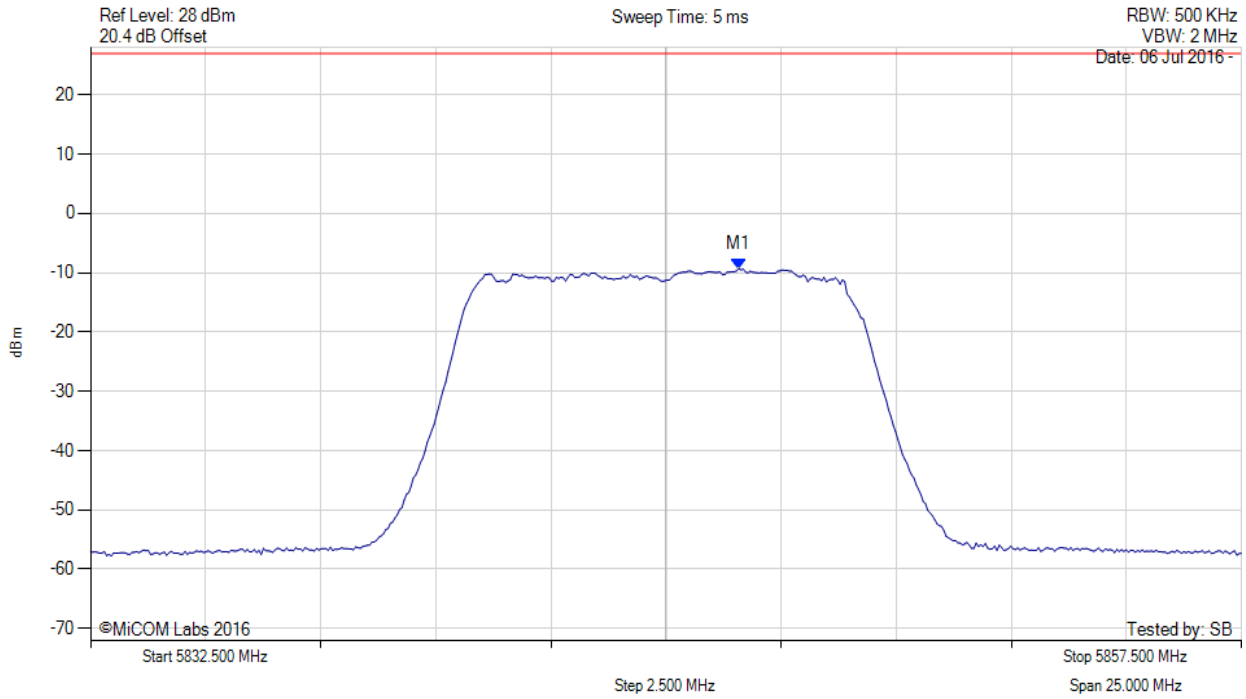


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.700 MHz : 16.078 dBm M1 + DCCF : 5787.700 MHz : 16.152 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 30.0 dBm Margin: -13.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

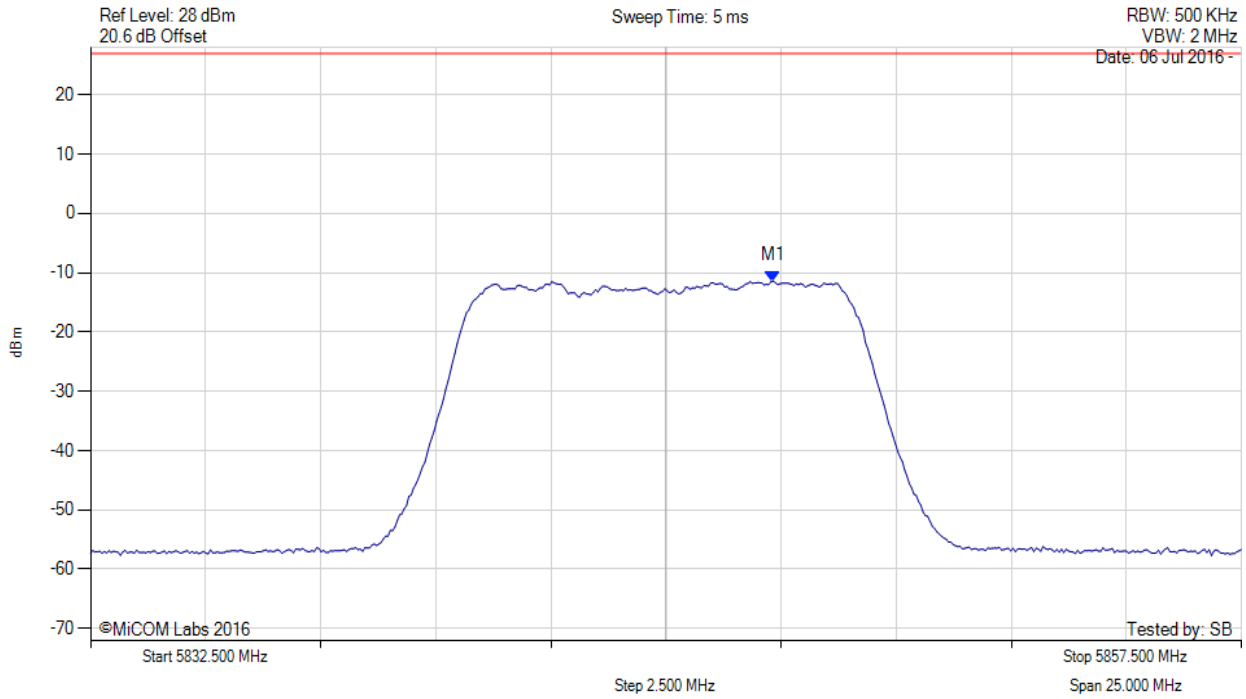


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5846.578 MHz : -9.336 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

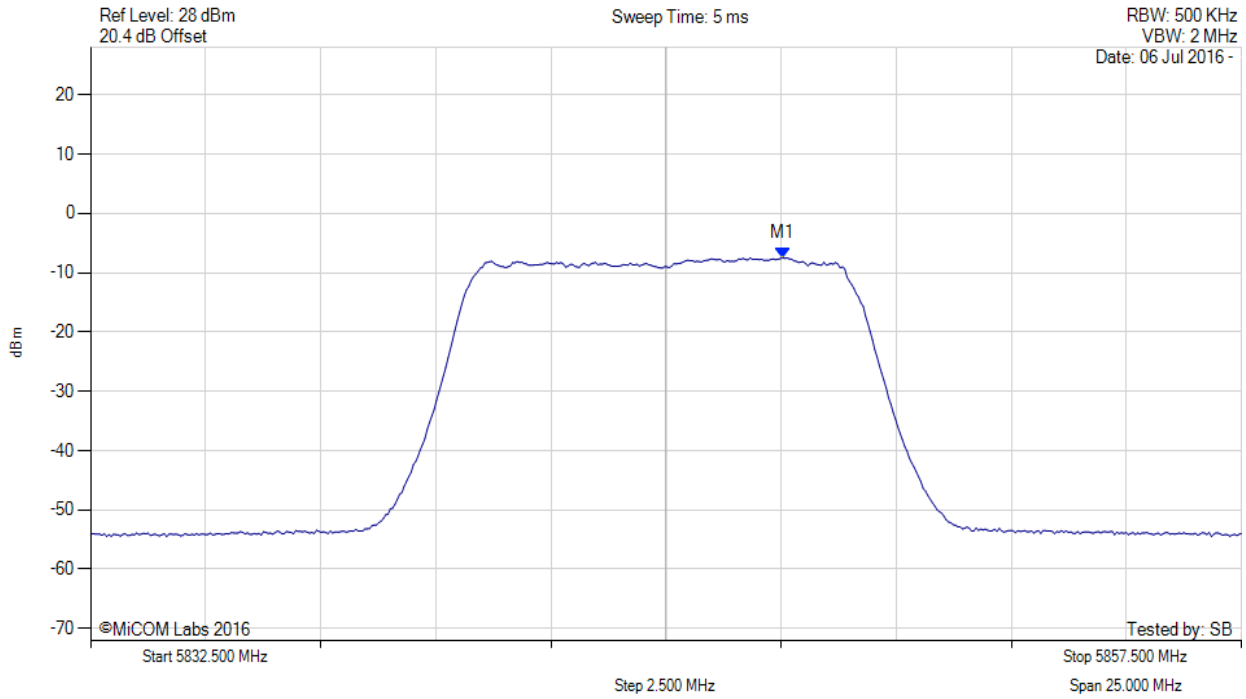


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5847.330 MHz : -11.412 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5845.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

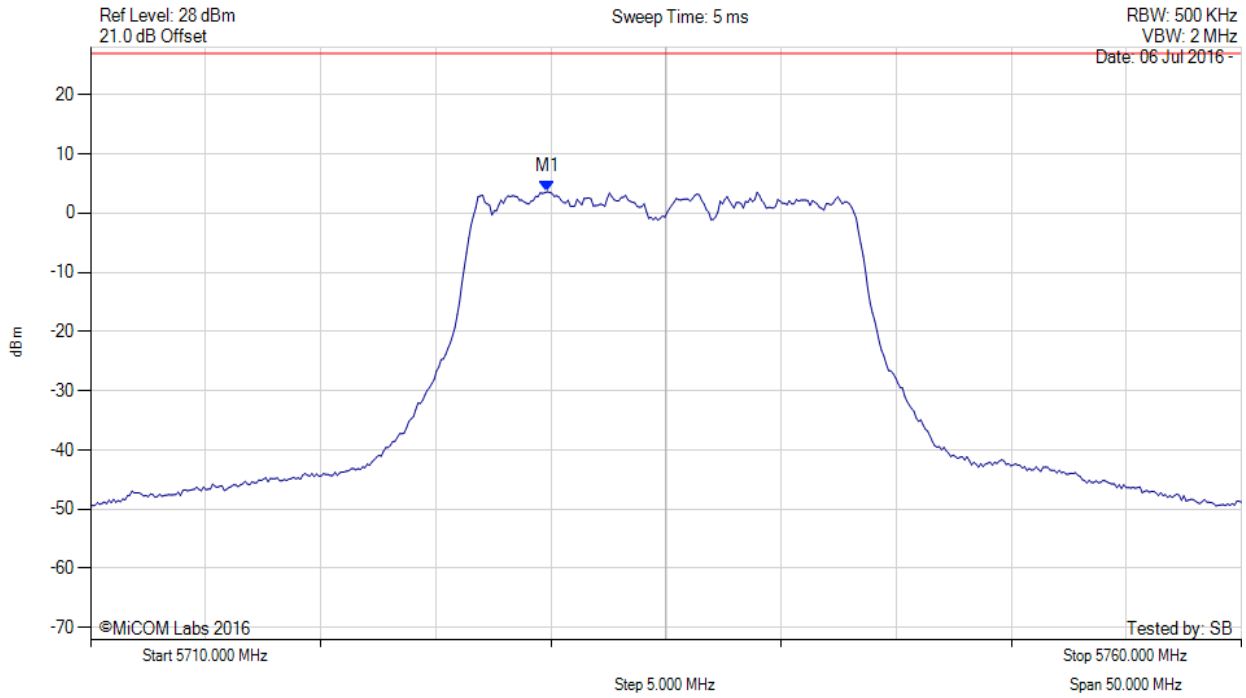


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5847.500 MHz : -7.490 dBm M1 + DCCF : 5847.500 MHz : -7.416 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 30.0 dBm Margin: -37.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

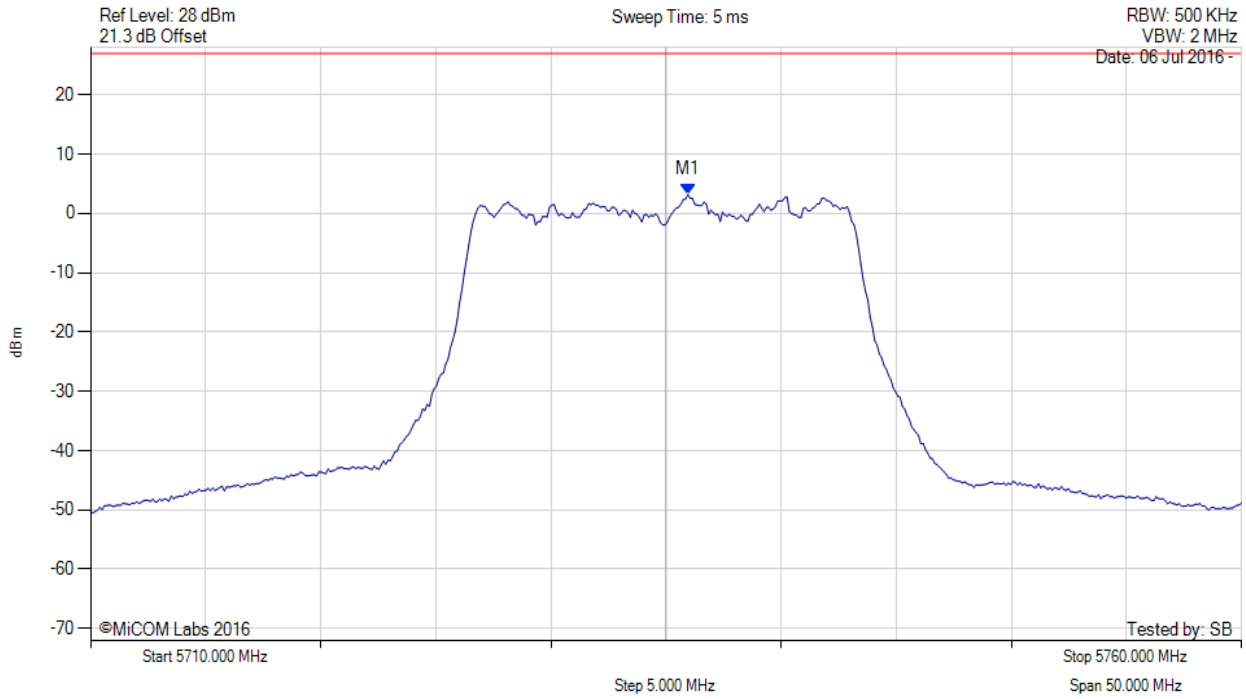


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5729.840 MHz : 3.597 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

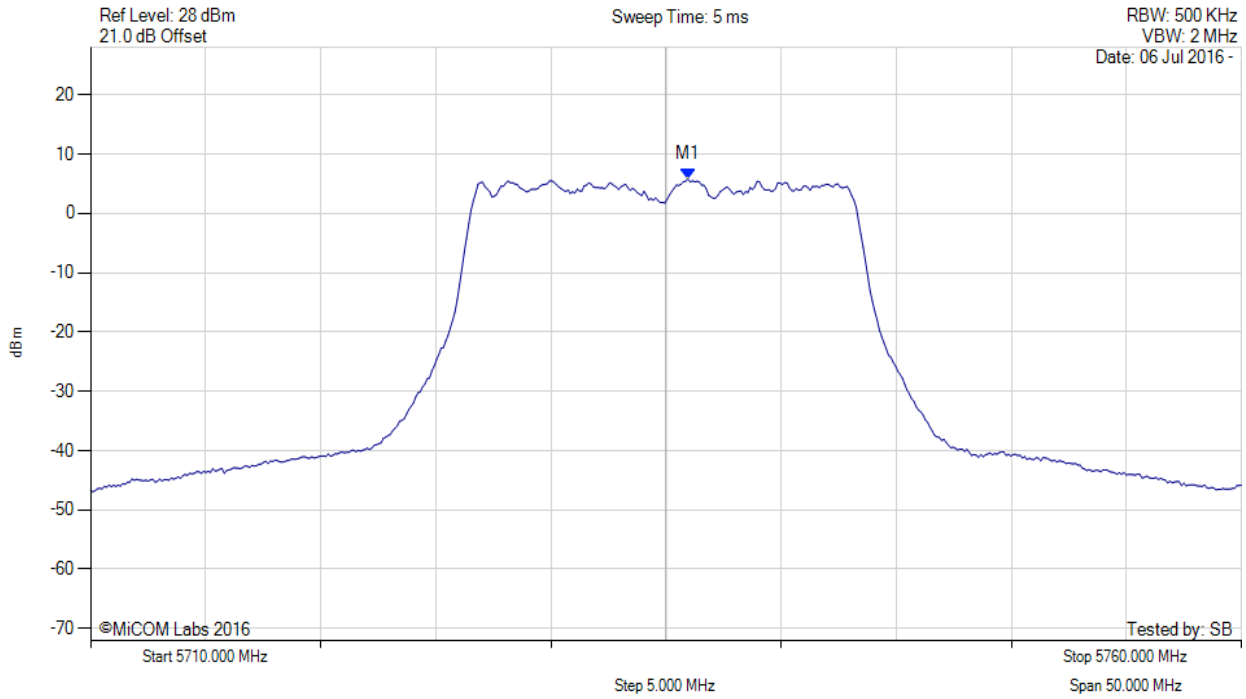


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5735.952 MHz : 3.155 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5735.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

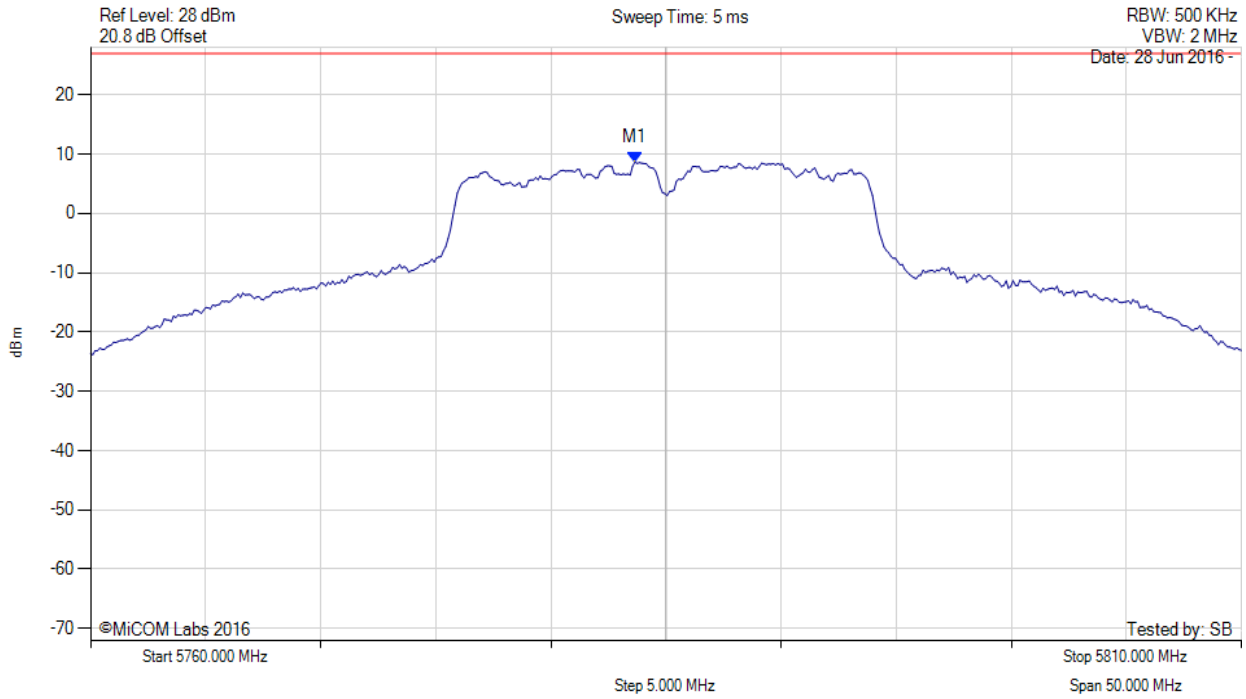


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5736.000 MHz : 5.797 dBm M1 + DCCF : 5736.000 MHz : 5.871 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 30.0 dBm Margin: -24.1 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

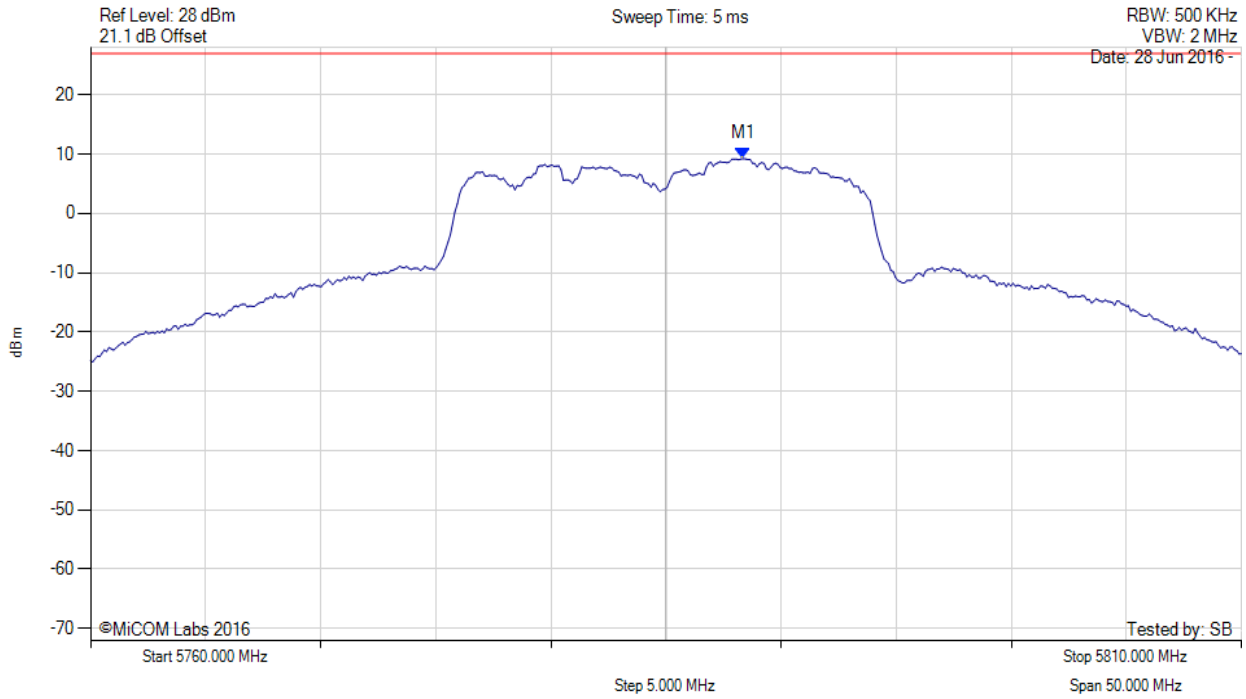


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.647 MHz : 8.653 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

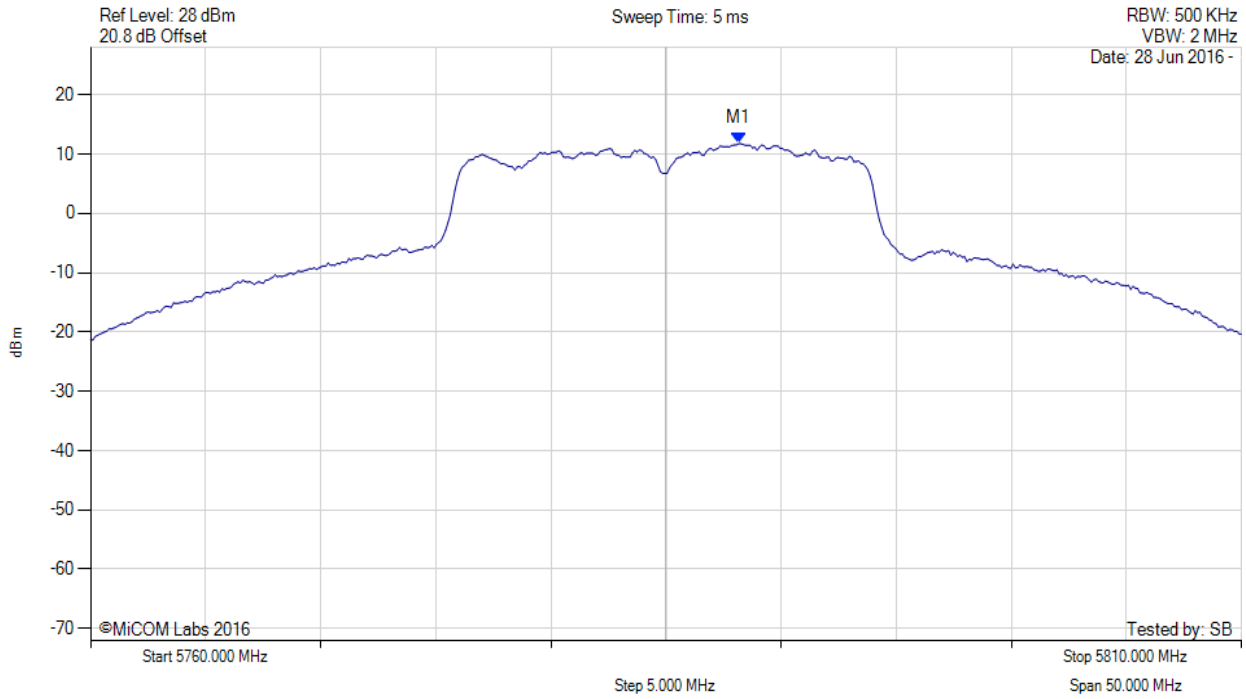


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.357 MHz : 9.241 dBm	Channel Frequency: 5785.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

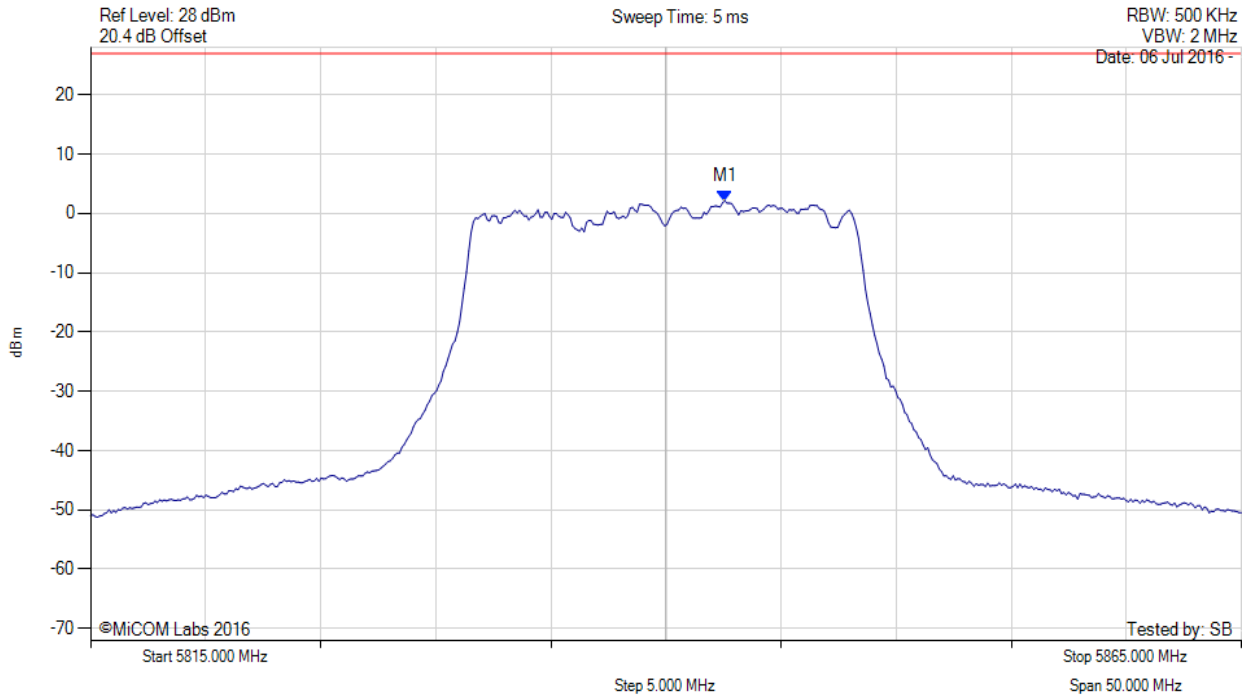


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.200 MHz : 11.749 dBm M1 + DCCF : 5788.200 MHz : 11.823 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 30.0 dBm Margin: -18.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

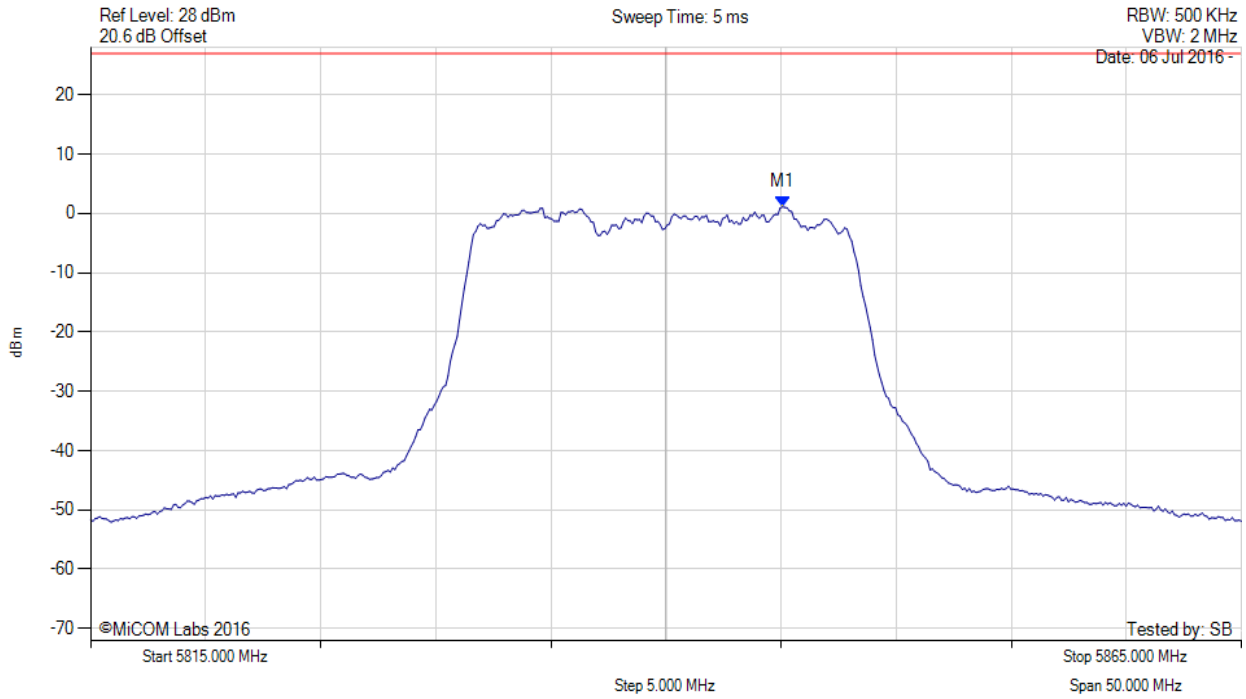


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5842.555 MHz : 2.125 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

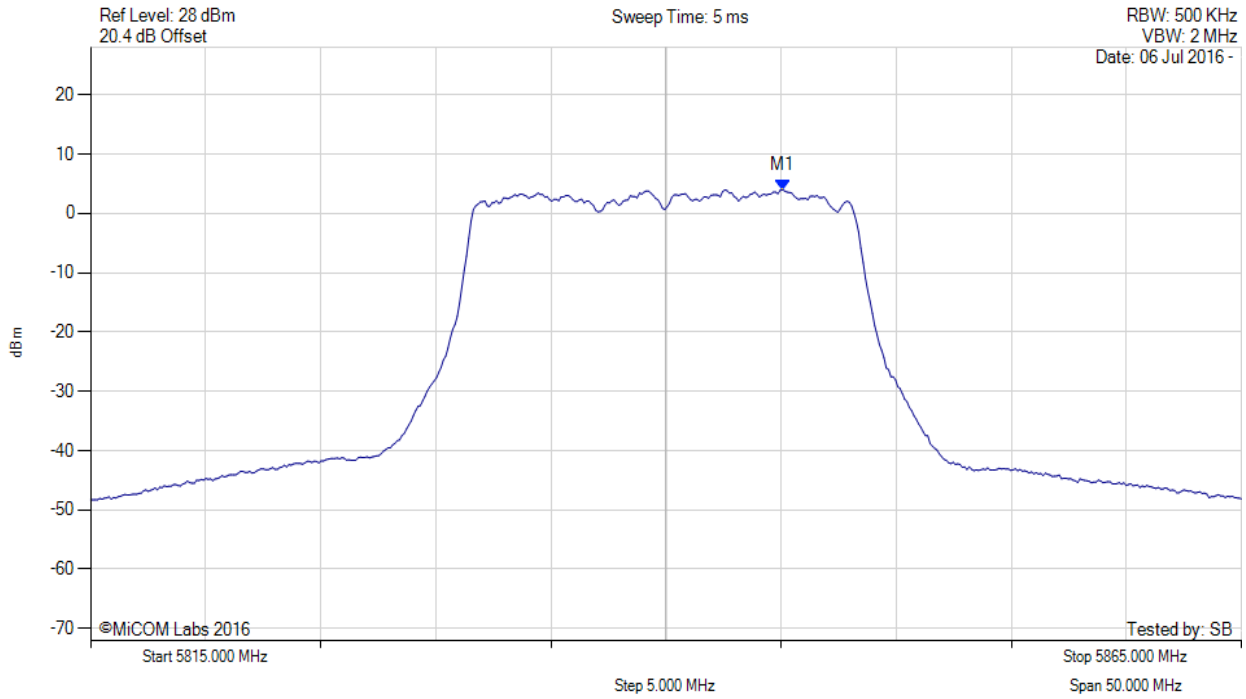


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5845.060 MHz : 1.101 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5840.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

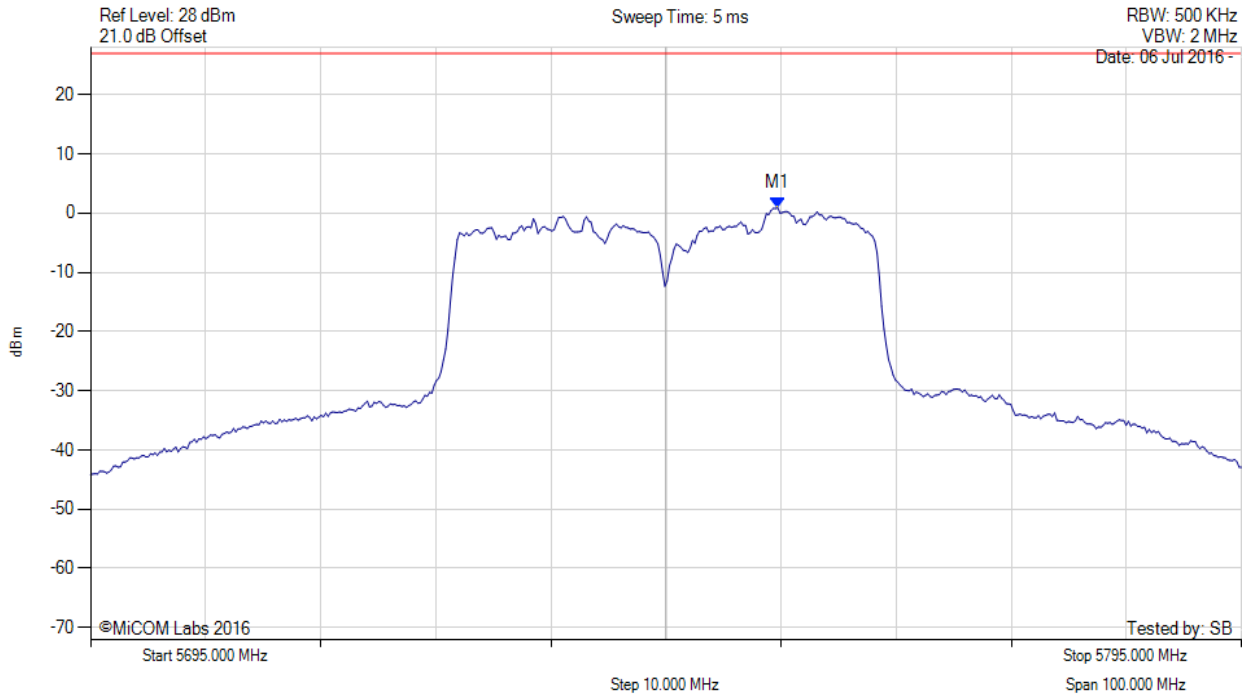


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5845.100 MHz : 3.990 dBm M1 + DCCF : 5845.100 MHz : 4.064 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 30.0 dBm Margin: -25.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

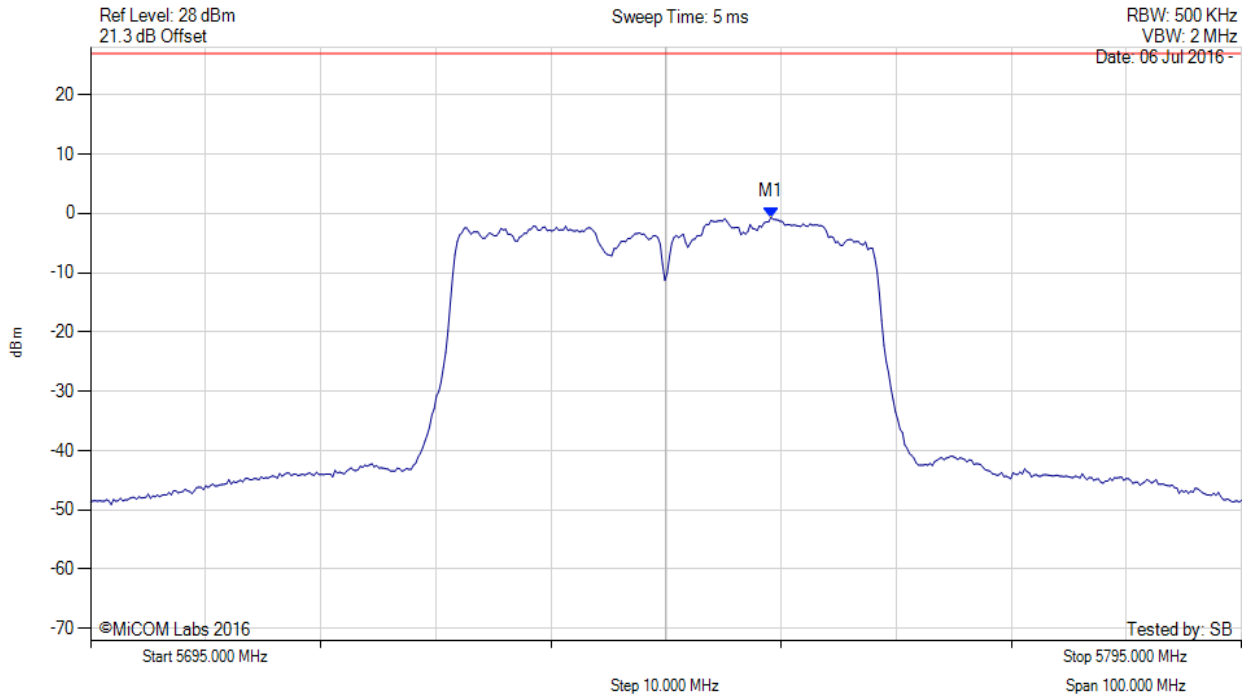


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5754.719 MHz : 0.873 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

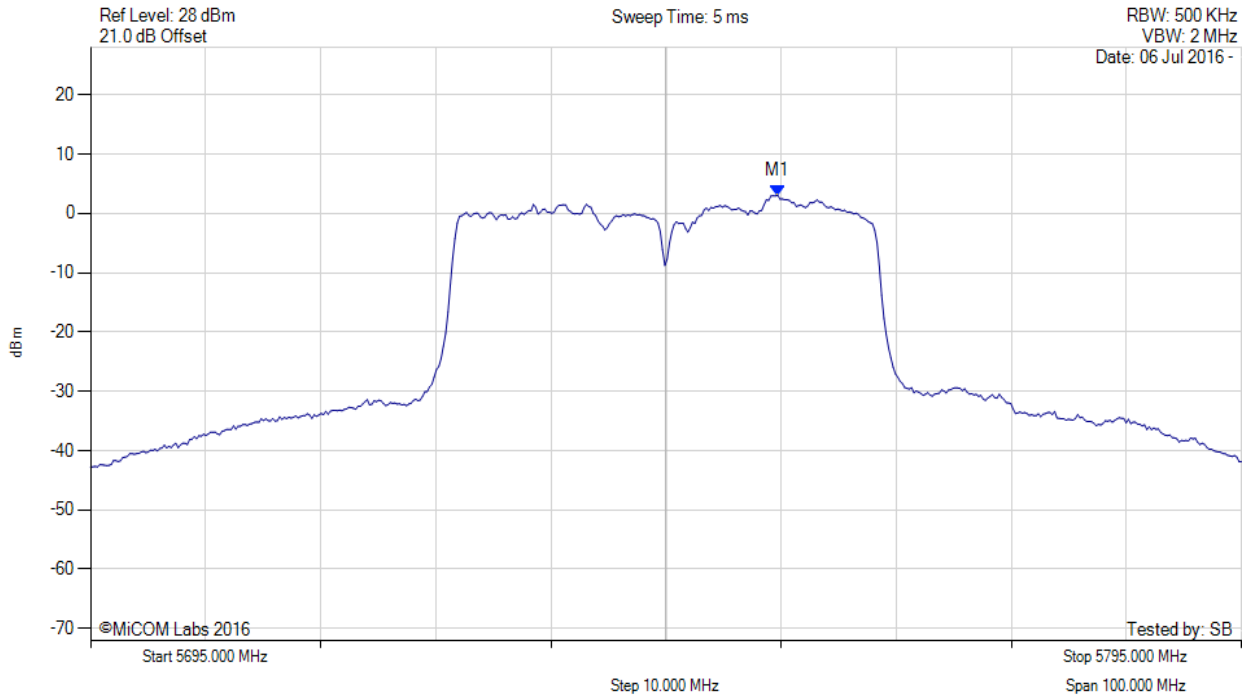


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5754.118 MHz : -0.659 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5745.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

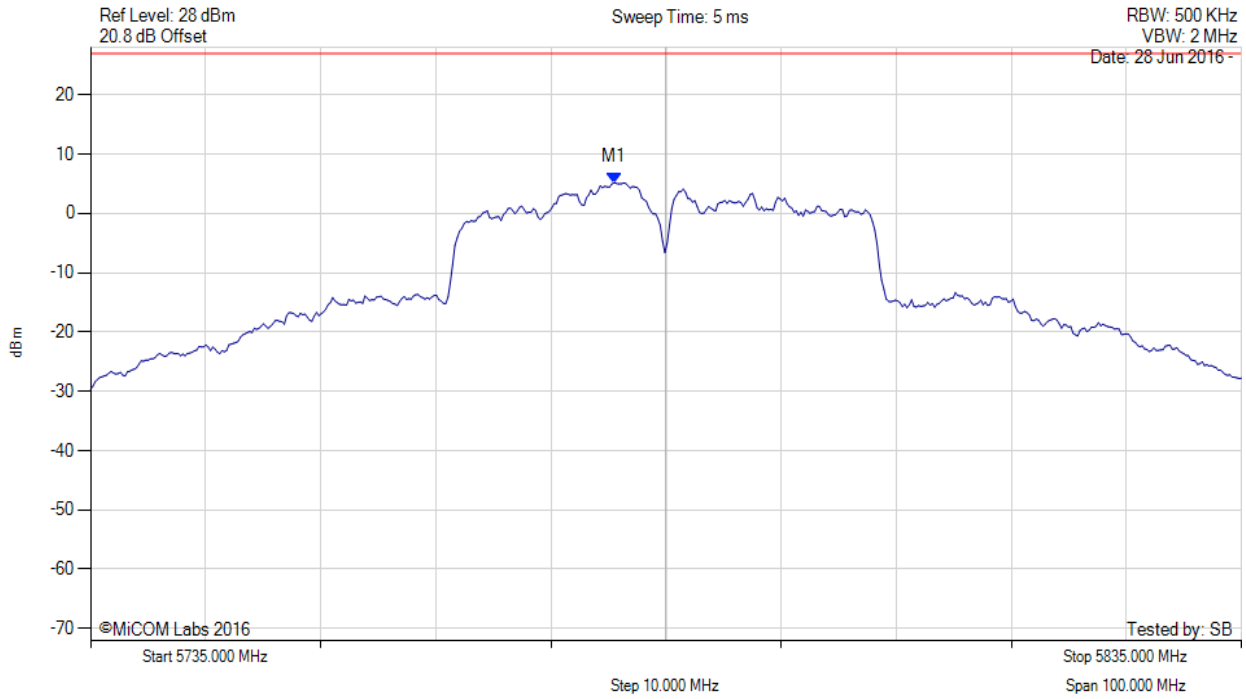


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5754.700 MHz : 3.009 dBm M1 + DCCF : 5754.700 MHz : 3.186 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 30.0 dBm Margin: -26.8 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

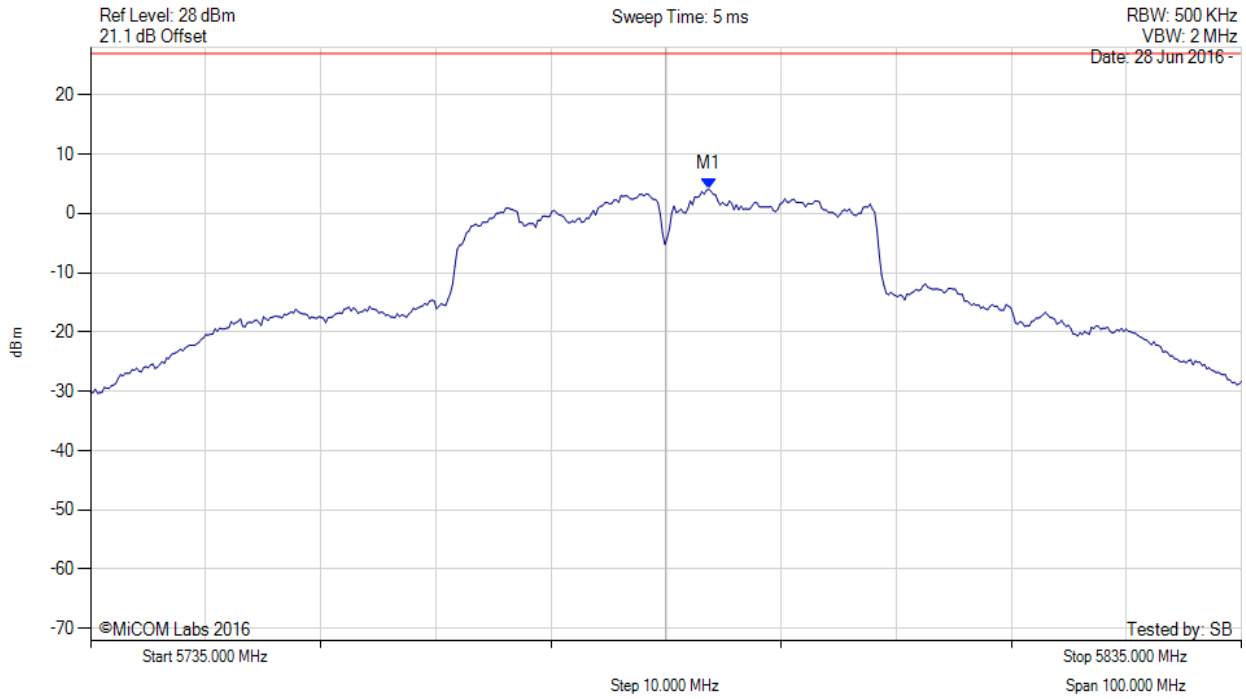


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5780.491 MHz : 5.179 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

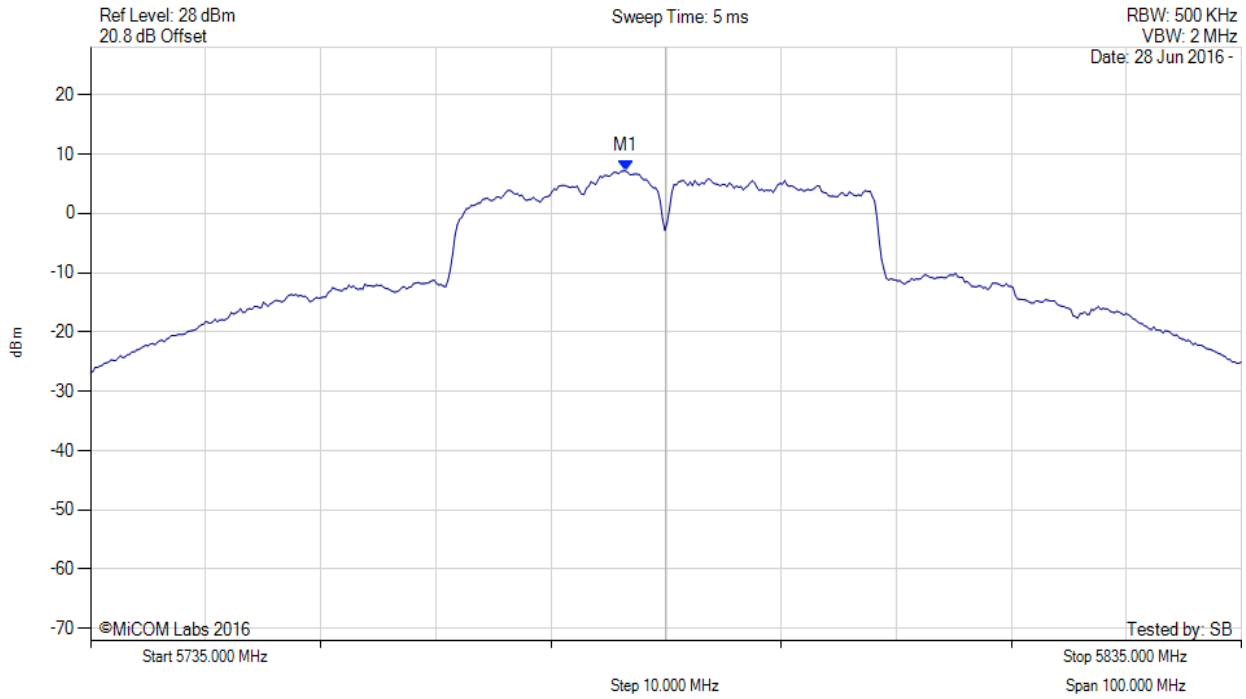


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.707 MHz : 4.103 dBm	Channel Frequency: 5785.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

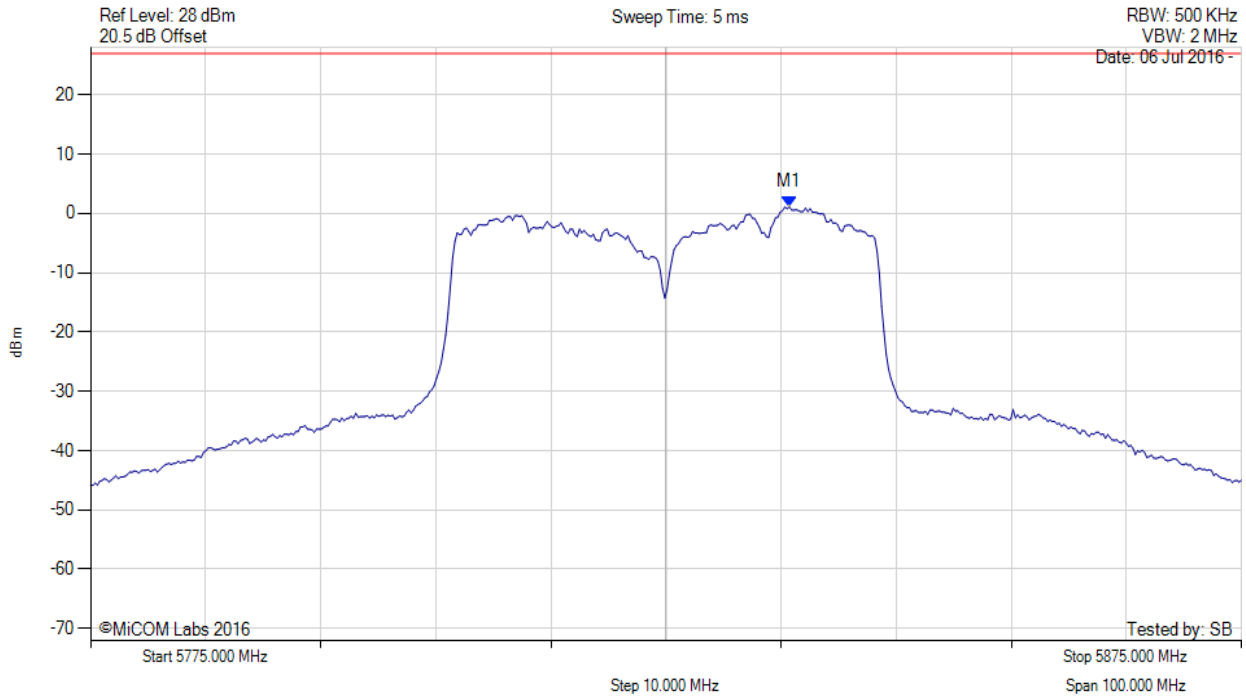


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5781.500 MHz : 7.168 dBm M1 + DCCF : 5781.500 MHz : 7.242 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 30.0 dBm Margin: -22.8 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

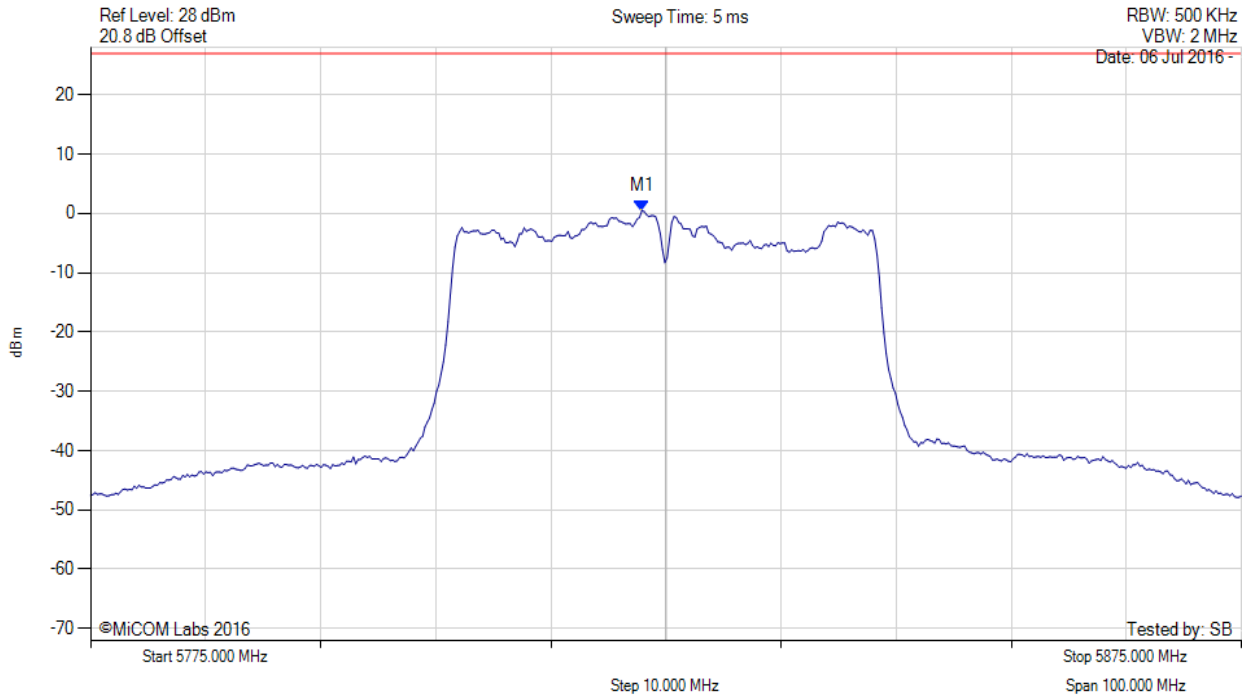


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5835.721 MHz : 1.097 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

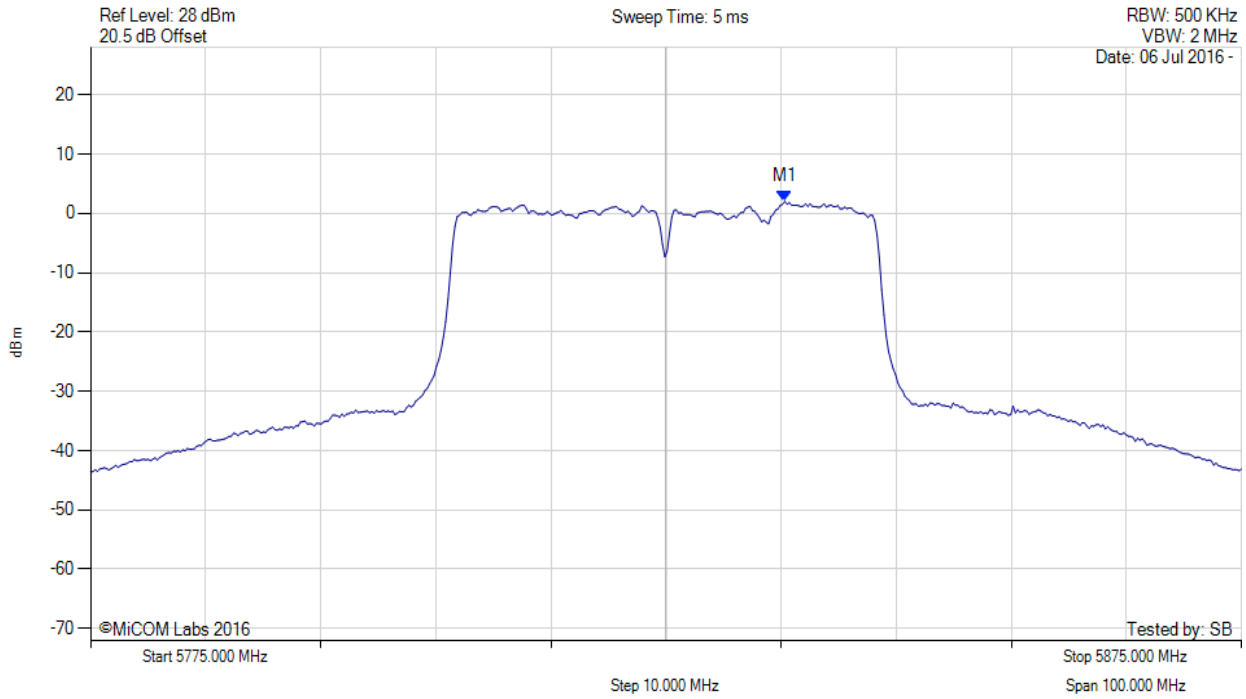


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5822.896 MHz : 0.451 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5825.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

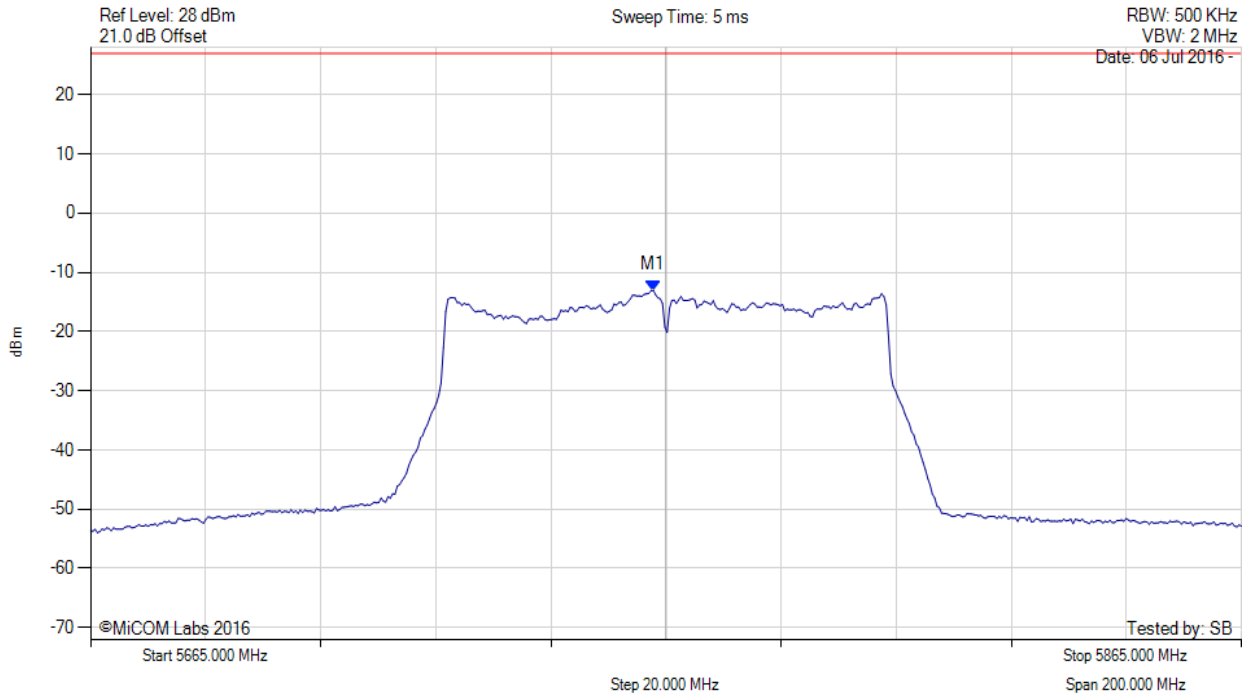


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5835.300 MHz : 2.019 dBm M1 + DCCF : 5835.300 MHz : 2.196 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 30.0 dBm Margin: -27.8 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

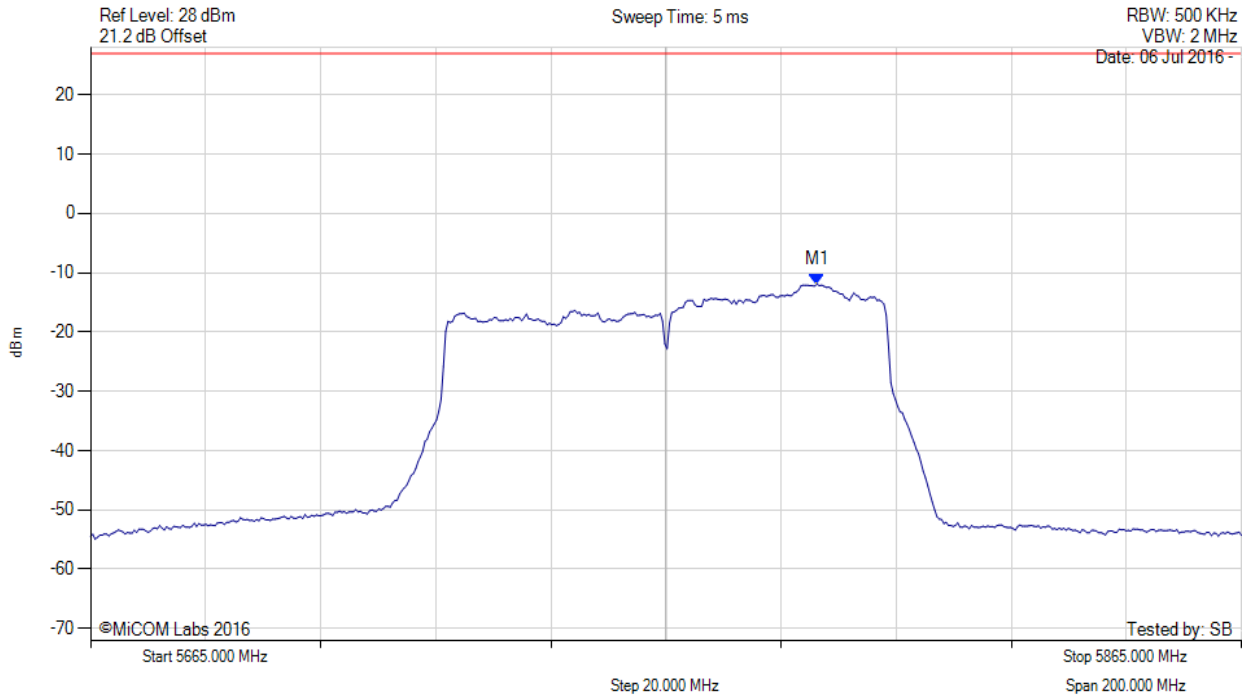


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5762.796 MHz : -13.048 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

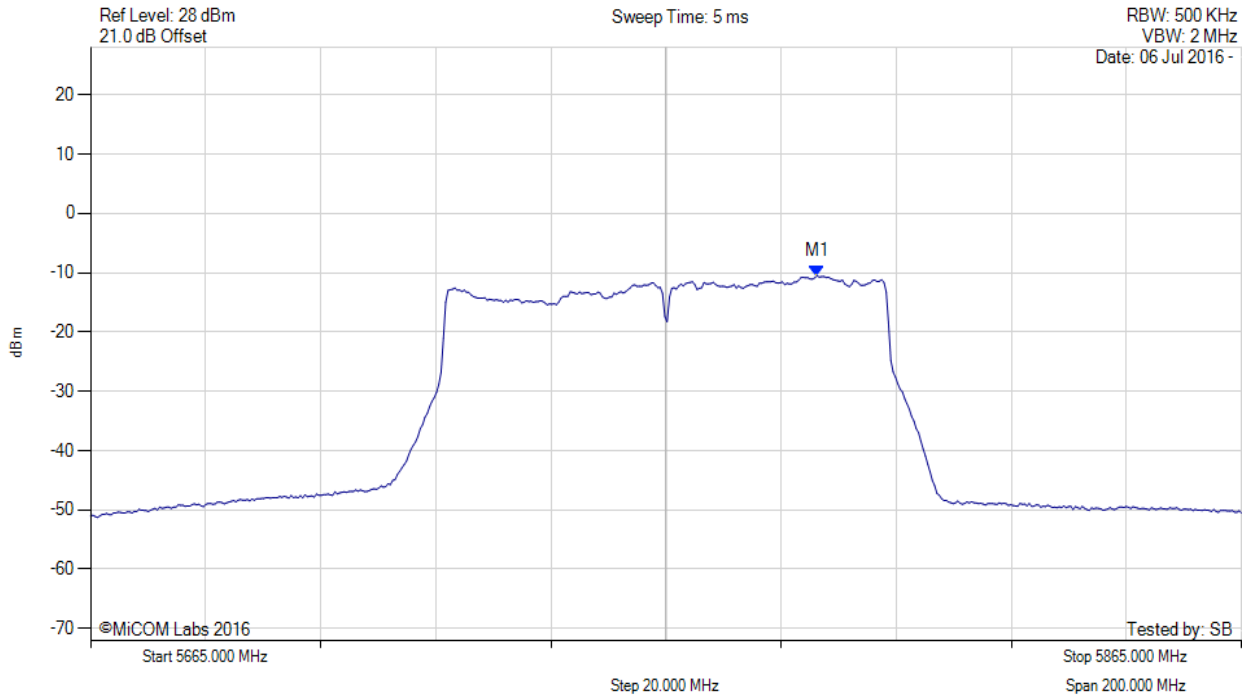


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5791.253 MHz : -11.892 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5765.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

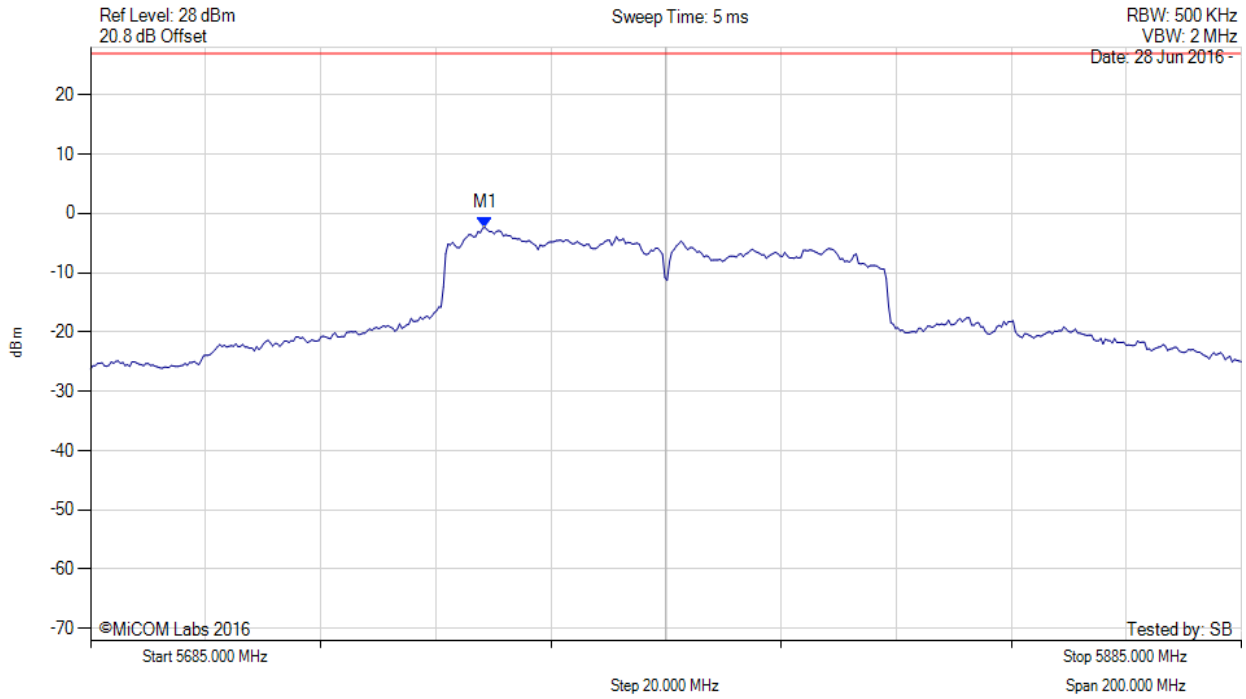


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5791.300 MHz : -10.516 dBm M1 + DCCF : 5791.300 MHz : -9.654 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 30.0 dBm Margin: -39.7 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

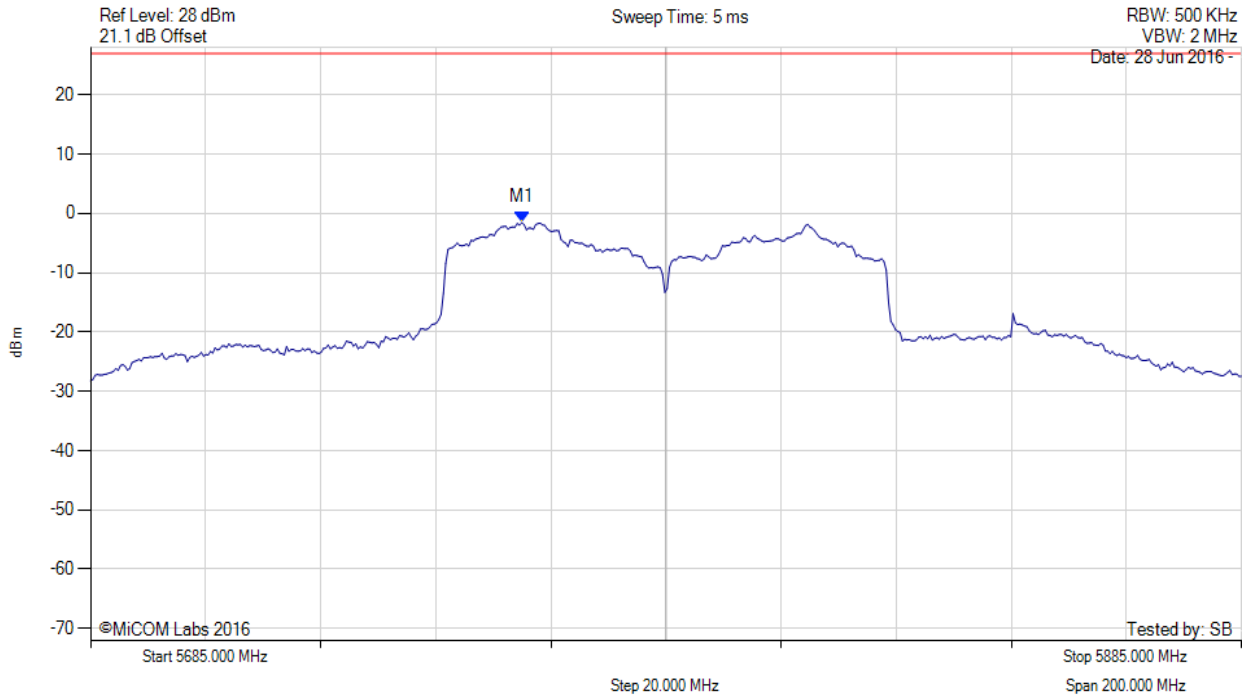


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5753.537 MHz : -2.387 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

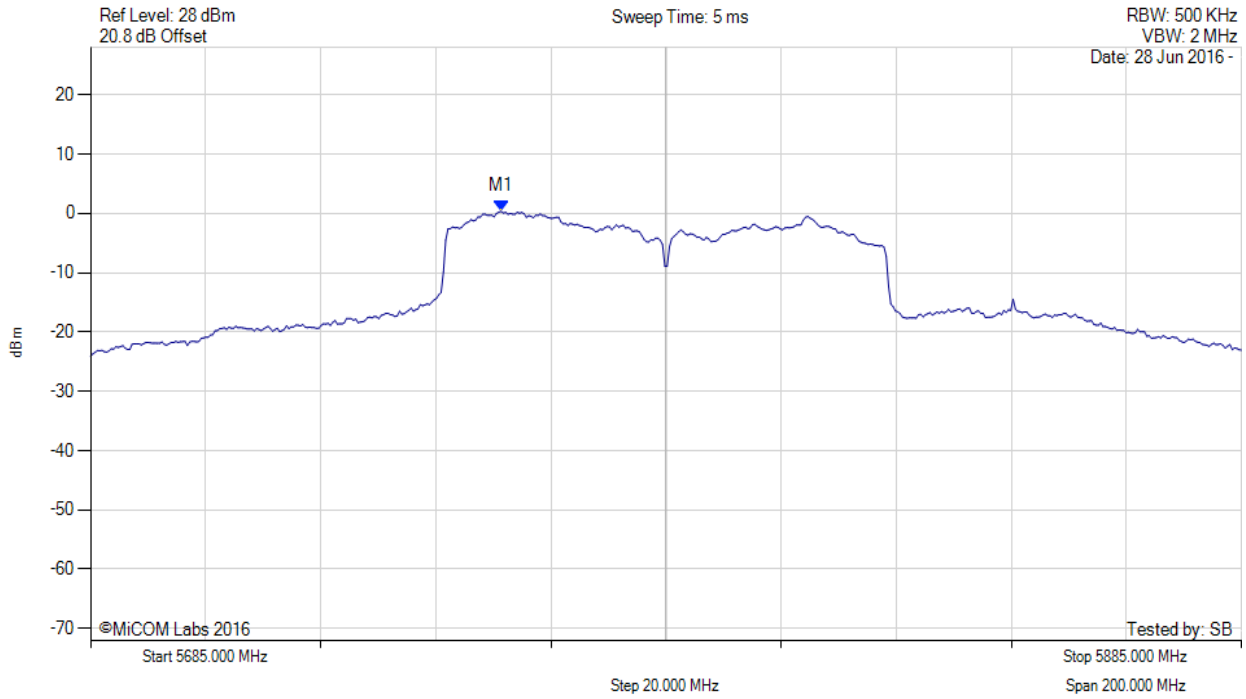


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5759.950 MHz : -1.550 dBm	Channel Frequency: 5785.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5785.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

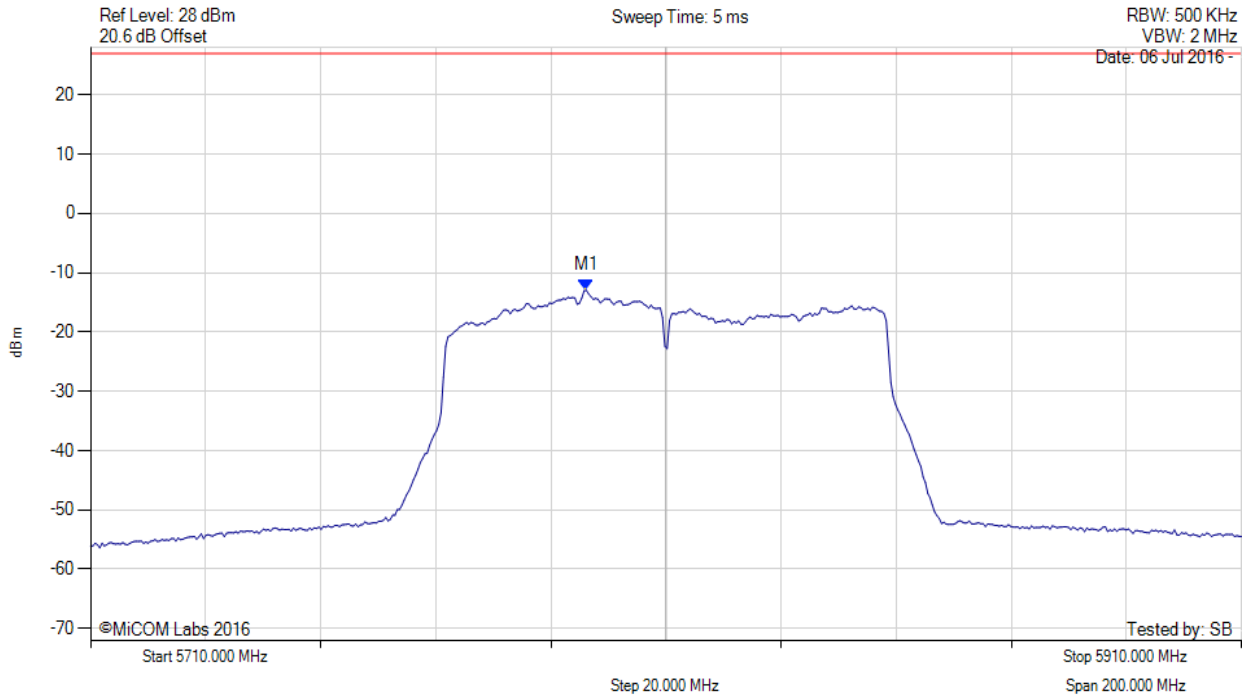


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5756.300 MHz : 0.359 dBm M1 + DCCF : 5756.300 MHz : 1.221 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 30.0 dBm Margin: -28.8 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

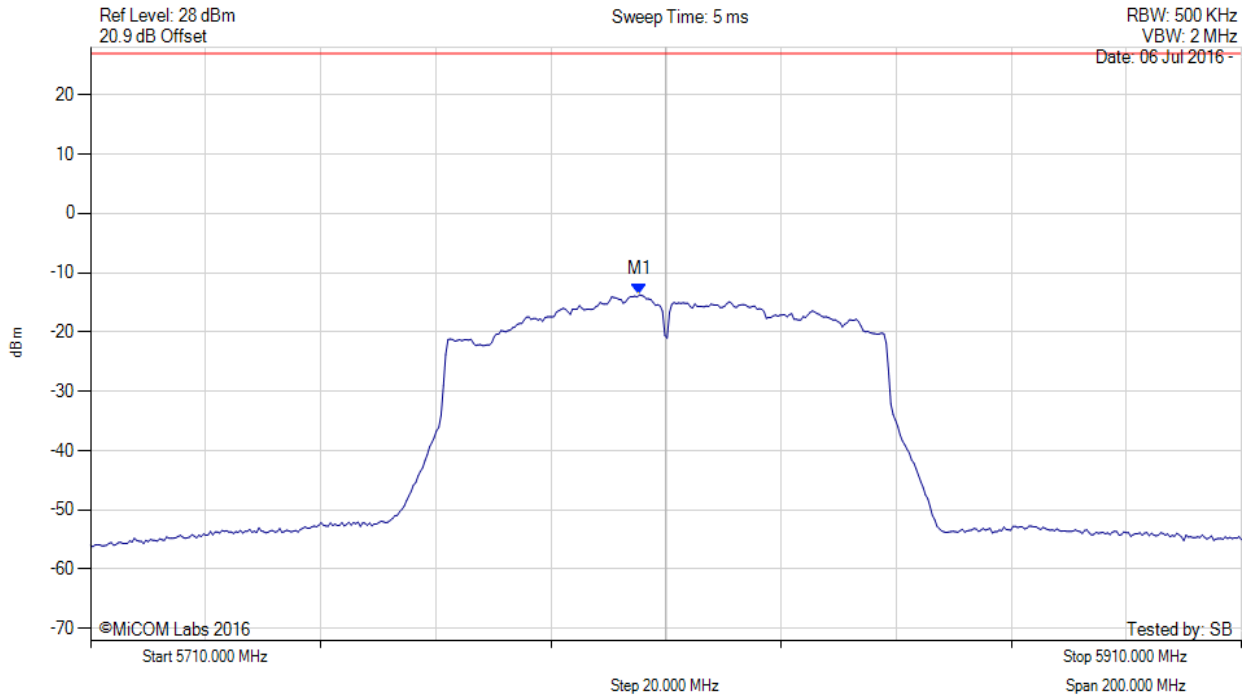


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5796.172 MHz : -12.958 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

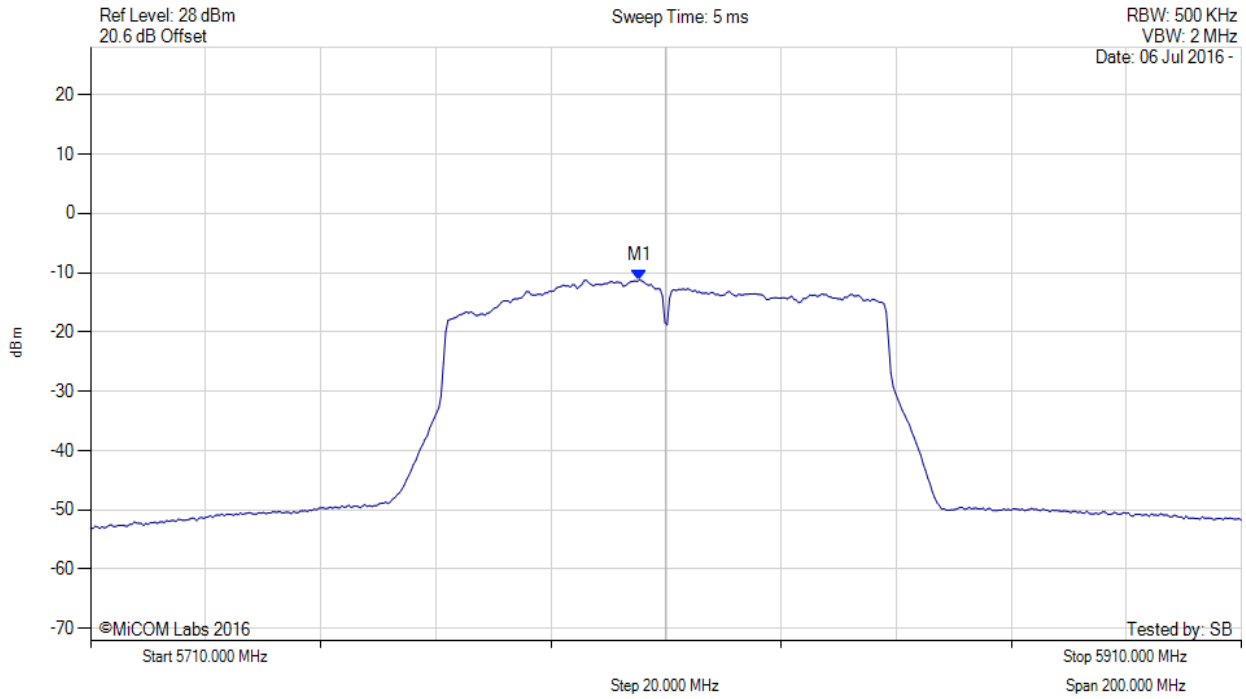


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5805.391 MHz : -13.727 dBm	Limit: ≤ 26.990 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5810.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5805.400 MHz : -11.229 dBm M1 + DCCF : 5805.400 MHz : -10.367 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 30.0 dBm Margin: -40.4 dB

back to matrix

575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com