TEST REPORT ADDENDUM - CONDUCTED

FROM

Test of: Radwin Ltd. Outdoor Subscriber Radio Unit

To: FCC 15.407 & RSS-247 (DFS Bands), RSS GEN,
FCC Part 15B & ICES-003

Test Report Serial No.: RDWN41-U9_Conducted Rev A

Issue Date: 8th November 2016

Master Document Number	Addendum Reports
RDWN41-U9_Master	RDWN41-U9_Conducted
	RDWN41-U9_Radiated
	RDWN41-U9_DFS
	RDWN41-U5_(FCC Part 15B & 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
Test Date:	28th June 2016	**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	
5255.0	8.06	7.17	--	--	10.65	9.669	10.85	-0.20	6.25
5300.0	8.76	6.62	--	--	10.84	9.719	10.88	-0.04	7.25
5340.0	5.35	3.92	--	--	7.71	19.138	13.82	-6.11	3.00

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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
Test Date:	28th June 2016	**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	
5260.0	10.77	9.94	--	--	13.39	20.140	14.00	-0.61	9.25
5300.0	11.48	9.52	--	--	13.62	19.940	14.00	-0.38	10.25
5340.0	8.29	6.83	--	--	10.64	20.140	14.00	-3.36	6.00

Traceability to Industry Recognized Test Methodologies

Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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
Test Date:	28th June 2016	**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	
5270.0	10.98	9.69	--	--	13.39	38.677	14.00	-0.61	9.25
5300.0	11.88	9.82	--	--	13.98	38.677	14.00	-0.02	10.25
5330.0	7.01	5.52	--	--	9.34	38.677	14.00	-4.66	5.00

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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
Test Date:	28th June 2016	**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	
5290.0	11.51	9.03	--	--	13.46	83.768	14.00	-0.54	9.50
5300.0	11.98	9.60	--	--	13.96	83.367	14.00	-0.04	10.50
5310.0	6.83	5.11	--	--	9.07	83.367	14.00	-4.93	5.00

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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):**	17.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
Test Date:	28th June 2016	**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	
5480.0	5.47	4.47	--	--	8.01	9.719	9.88	-1.87	3.75
5595.0	6.84	6.06	--	--	9.48	9.719	9.88	-0.40	4.75
5715.0	6.99	5.71	--	--	9.41	9.770	9.90	-0.49	5.00

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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):**	17.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
Test Date:	28th June 2016	**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	
5485.0	10.29	8.62	--	--	12.55	19.940	13.00	-0.45	8.25
5590.0	10.09	9.32	--	--	12.74	20.140	13.00	-0.26	8.25
5710.0	10.49	9.14	--	--	12.88	19.940	13.00	-0.12	8.50

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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):**	17.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
Test Date:	28th June 2016	**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	
5495.0	10.66	9.16	--	--	12.98	38.477	13.00	-0.02	8.25
5570.0	9.97	9.72	--	--	12.85	38.677	13.00	-0.15	8.00
5700.0	10.25	9.05	--	--	12.70	38.878	13.00	-0.30	8.25

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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):**	17.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
Test Date:	28th June 2016	**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	
5520.0	5.47	4.47	--	--	8.01	82.565	13.00	-4.99	7.75
5560.0	9.68	9.44	--	--	12.57	82.966	13.00	-0.43	8.25
5680.0	10.10	8.89	--	--	12.54	82.164	13.00	-0.46	8.50

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 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**		
5255.0	10.070	9.669	--	--	10.070	9.669		
5300.0	10.120	9.719	--	--	10.120	9.719		
5340.0	9.970	9.719	--	--	9.970	9.719		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5255.0	8.317	8.317	--	--	8.317	8.317		
5300.0	8.317	8.317	--	--	8.317	8.317		
5340.0	8.317	8.317	--	--	8.317	8.317		

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**		
5260.0	20.140	20.140	--	--	20.140	20.140		
5300.0	20.140	19.940	--	--	20.140	19.940		
5340.0	20.140	20.140	--	--	20.140	20.140		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	17.635	17.635	--	--	17.635	17.635		
5300.0	17.635	17.635	--	--	17.635	17.635		
5340.0	17.635	17.635	--	--	17.635	17.635		

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**		
5270.0	38.677	38.677	--	--	38.677	38.677		
5300.0	38.677	38.677	--	--	38.677	38.677		
5330.0	38.677	38.677	--	--	38.677	38.677		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5270.0	35.872	36.072	--	--	36.072	35.872		
5300.0	35.872	36.072	--	--	36.072	35.872		
5330.0	35.872	35.872	--	--	35.872	35.872		

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**		
5290.0	83.768	83.768	--	--	83.768	83.768		
5300.0	83.367	84.168	--	--	84.168	83.367		
5310.0	83.367	83.367	--	--	83.367	83.367		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5290.0	75.752	75.752	--	--	75.752	75.752		
5300.0	75.752	75.752	--	--	75.752	75.752		
5310.0	75.752	75.752	--	--	75.752	75.752		

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):**	17.00
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**		
5480.0	9.970	9.719	--	--	9.970	9.719		
5595.0	9.920	9.719	--	--	9.920	9.719		
5715.0	10.020	9.770	--	--	10.020	9.770		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5480.0	8.317	8.317	--	--	8.317	8.317		
5595.0	8.317	8.267	--	--	8.317	8.267		
5715.0	8.317	8.317	--	--	8.317	8.317		

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):**	17.00
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**		
5485.0	19.940	20.140	--	--	20.140	19.940		
5590.0	20.140	20.140	--	--	20.140	20.140		
5710.0	20.040	19.940	--	--	20.040	19.940		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5485.0	17.635	17.635	--	--	17.635	17.635		
5590.0	17.635	17.635	--	--	17.635	17.635		
5710.0	17.635	17.635	--	--	17.635	17.635		

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):**	17.00
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**		
5495.0	38.677	38.477	--	--	38.677	38.477		
5570.0	38.677	38.677	--	--	38.677	38.677		
5700.0	39.078	38.878	--	--	39.078	38.878		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5495.0	35.872	35.872	--	--	35.872	35.872		
5570.0	35.872	35.872	--	--	35.872	35.872		
5700.0	36.072	36.072	--	--	36.072	36.072		

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):**	17.00
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**		
5520.0	82.565	82.565	--	--	82.565	82.565		
5560.0	83.367	82.966	--	--	83.367	82.966		
5680.0	82.966	82.164	--	--	82.966	82.164		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5520.0	75.752	75.752	--	--	75.752	75.752		
5560.0	75.752	75.752	--	--	75.752	75.752		
5680.0	75.752	75.752	--	--	75.752	75.752		

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)	**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
5255.0	-3.755	-0.912	--	--	0.958	1.0	-0.1
5300.0	-3.327	-0.835	--	--	0.996	1.0	-0.0
5340.0	-4.253	-1.117	--	--	0.481	1.0	-0.5

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
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
5260.0	-1.772	-2.477	--	--	0.542	1.0	-0.5
5300.0	-1.529	-3.493	--	--	0.462	1.0	-0.5
5340.0	-3.671	-4.339	--	--	-1.195	1.0	-2.2

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

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
5270.0	-5.965	-6.846	--	--	-4.311	1.0	-5.3
5300.0	-5.530	-5.900	--	--	-3.261	1.0	-4.3
5330.0	-10.223	-10.700	--	--	-7.458	1.0	-8.5

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
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
5290.0	-15.225	-15.421	--	--	-11.880	1.0	-12.9
5300.0	-12.000	-14.293	--	--	-9.605	1.0	-10.6
5310.0	-15.736	-17.229	--	--	-13.865	1.0	-14.9

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:	10 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	17.00
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
5480.0	-3.002	-4.113	--	--	-0.492	0.0	-0.5
5595.0	-4.191	-2.521	--	--	-0.214	0.0	-0.2
5715.0	-2.529	-3.865	--	--	-0.212	0.0	-0.2

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	20 MHz	**Duty Cycle (%):**	98.3
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	17.00
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
5485.0	-2.608	-4.418	--	--	-0.966	0.0	-1.0
5590.0	-4.331	-2.480	--	--	-0.362	0.0	-0.4
5710.0	-4.130	-2.178	--	--	-0.093	0.0	-0.1

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	40 MHz	**Duty Cycle (%):**	96.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	17.00
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
5495.0	-6.525	-7.831	--	--	-4.576	0.0	-4.6
5570.0	-5.671	-6.088	--	--	-2.995	0.0	-3.0
5700.0	-6.532	-8.417	--	--	-4.608	0.0	-4.6

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	80 MHz	**Duty Cycle (%):**	82.0
Data Rate:	15.00 MBit/s	**Antenna Gain (dBi):**	17.00
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
5520.0	-13.763	-15.433	--	--	-12.012	0.0	-12.0
5560.0	-13.680	-14.291	--	--	-11.125	0.0	-11.1
5680.0	-13.330	-14.634	--	--	-10.985	0.0	-11.0

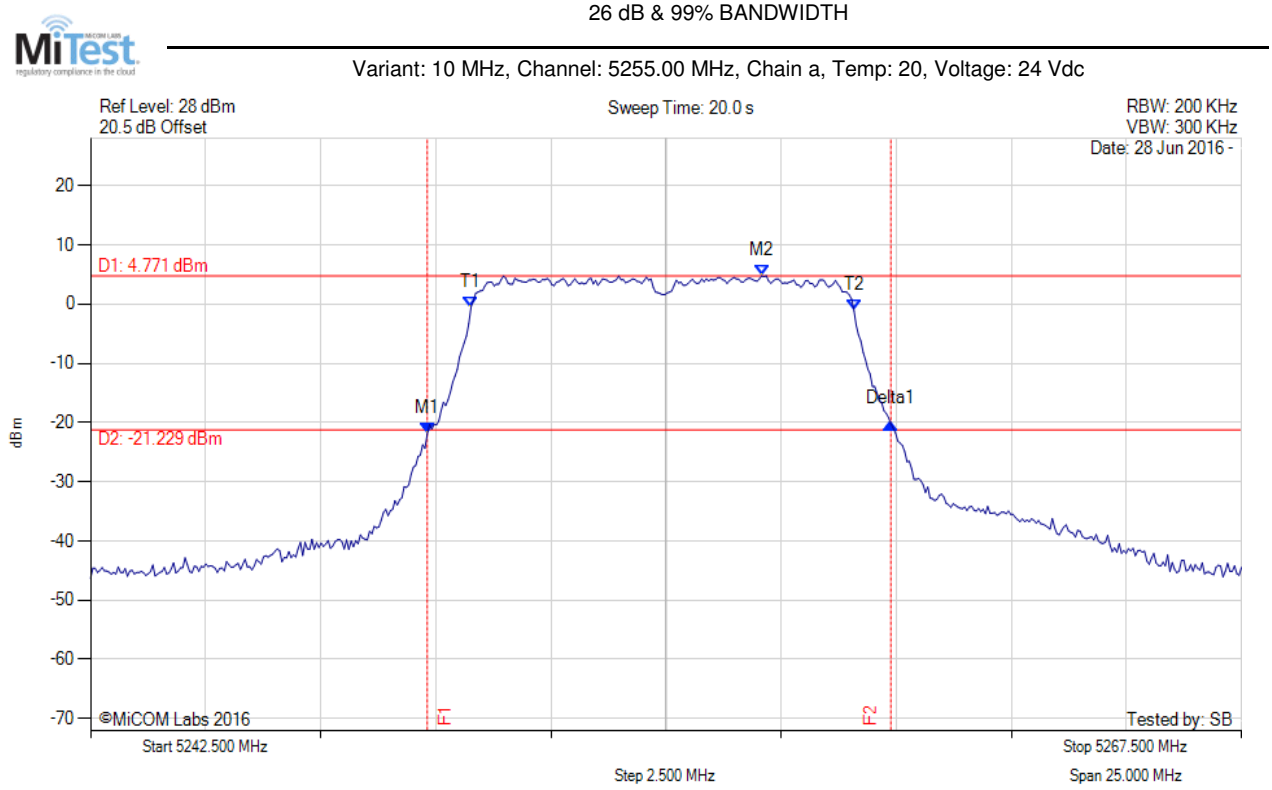
Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	2.81 dB

DCCF - Duty Cycle Correction Factor

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

A. APPENDIX - GRAPHICAL IMAGES

A.1. 26 dB & 99% Bandwidth

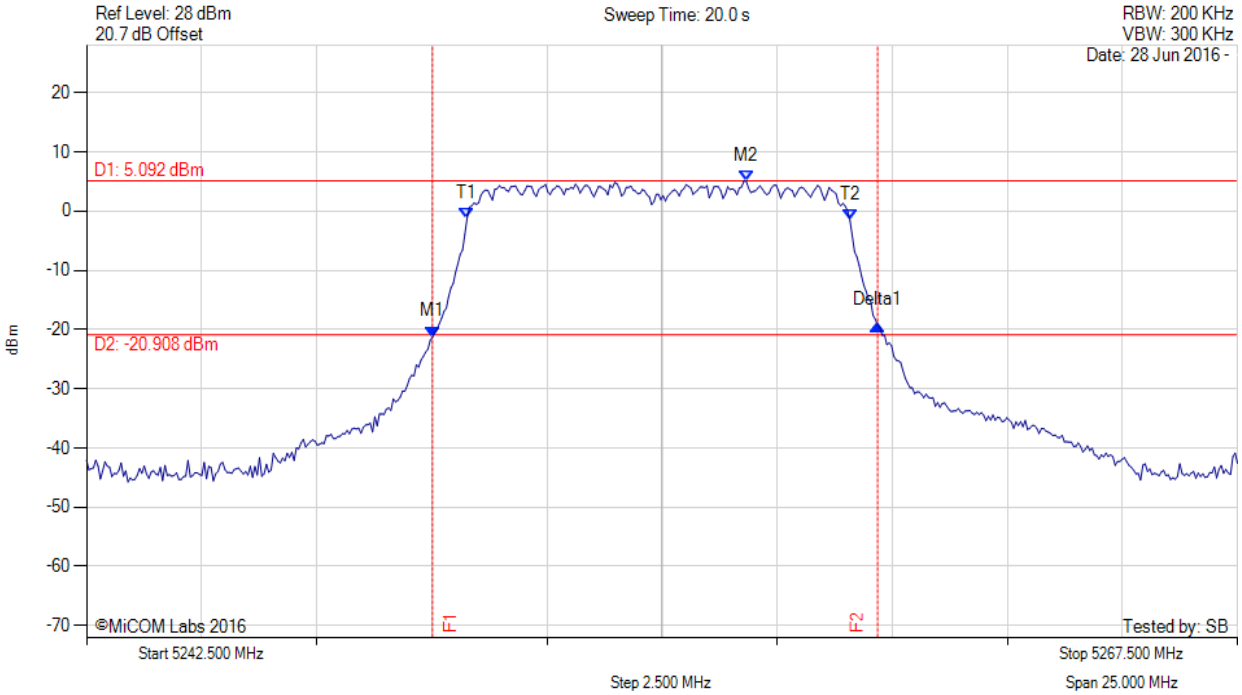


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5249.815 MHz : -21.892 dBm M2 : 5257.079 MHz : 4.771 dBm Delta1 : 10.070 MHz : 1.653 dB T1 : 5250.767 MHz : -0.479 dBm T2 : 5259.083 MHz : -1.089 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 10.070 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5255.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

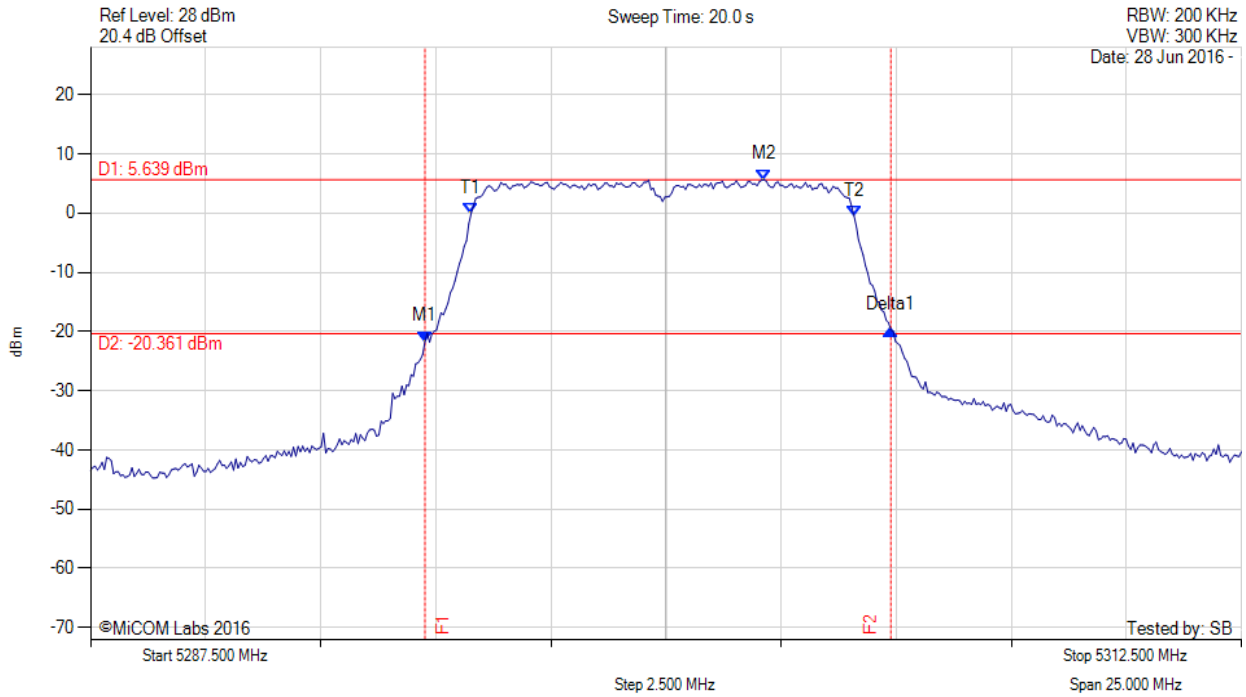


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5250.015 MHz : -21.213 dBm M2 : 5256.829 MHz : 5.092 dBm Delta1 : 9.669 MHz : 2.056 dB T1 : 5250.767 MHz : -1.223 dBm T2 : 5259.083 MHz : -1.558 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.669 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

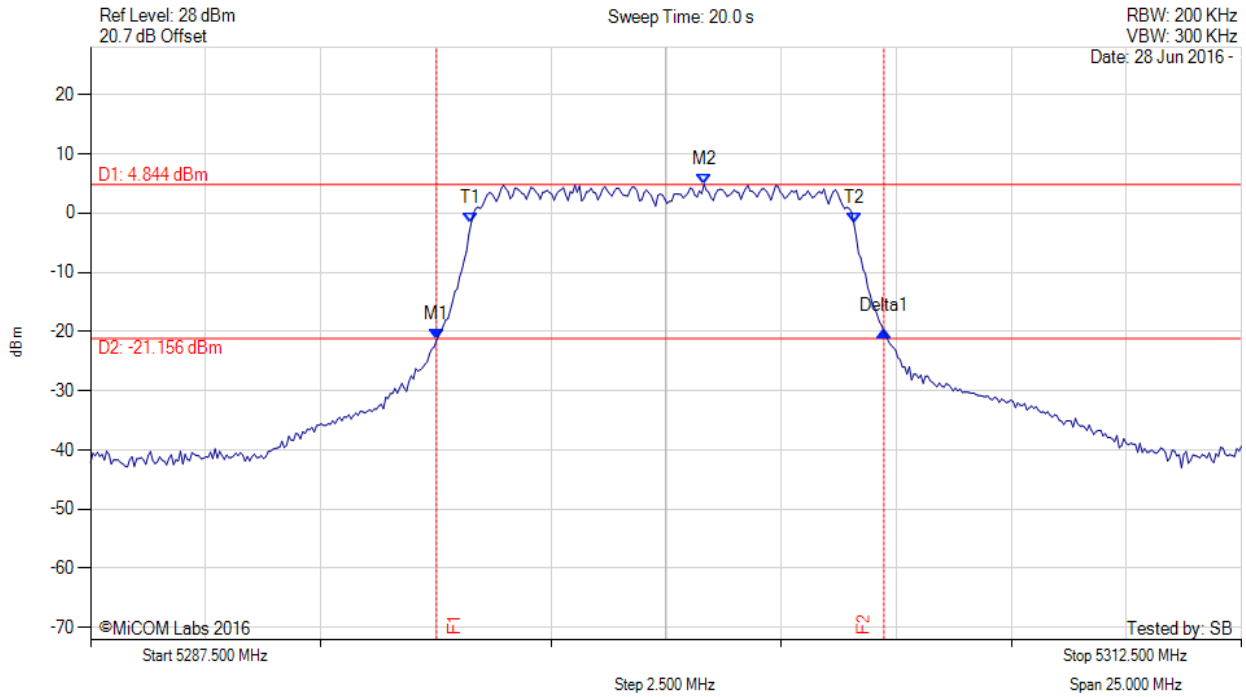


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5294.765 MHz : -21.684 dBm M2 : 5302.129 MHz : 5.639 dBm Delta1 : 10.120 MHz : 1.973 dB T1 : 5295.767 MHz : -0.102 dBm T2 : 5304.083 MHz : -0.446 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 10.120 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

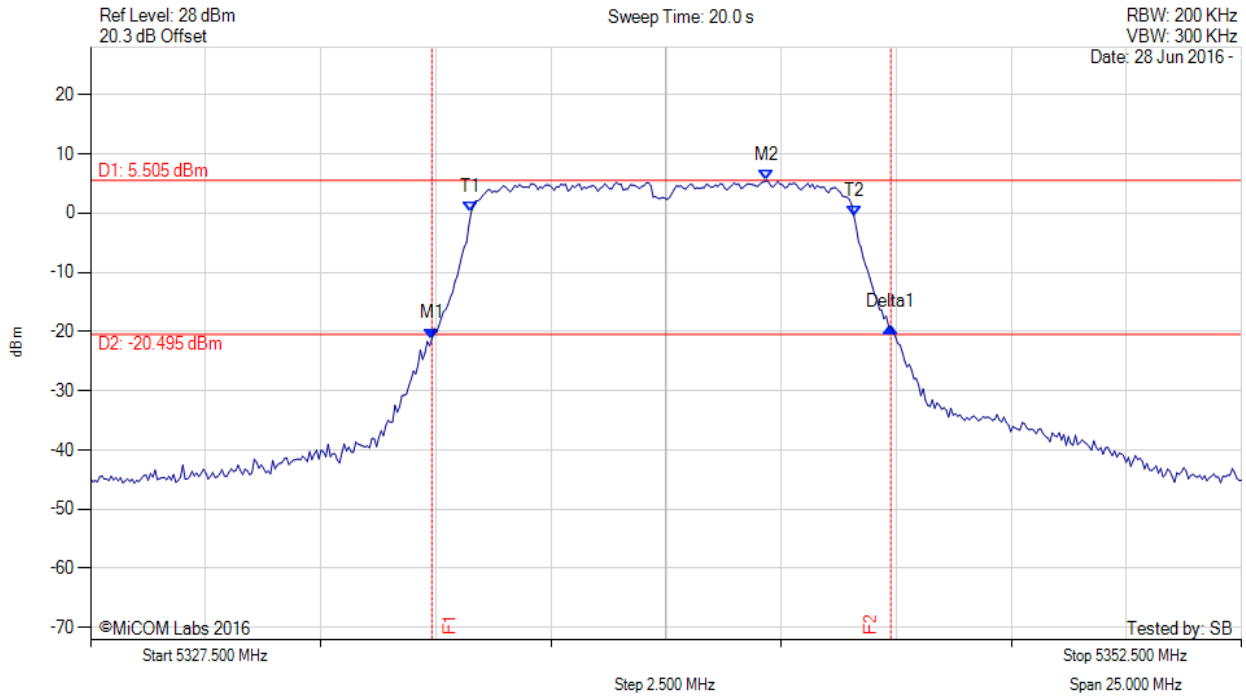


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5295.015 MHz : -21.442 dBm M2 : 5300.827 MHz : 4.844 dBm Delta1 : 9.719 MHz : 1.426 dB T1 : 5295.767 MHz : -1.780 dBm T2 : 5304.083 MHz : -1.813 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.719 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5340.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

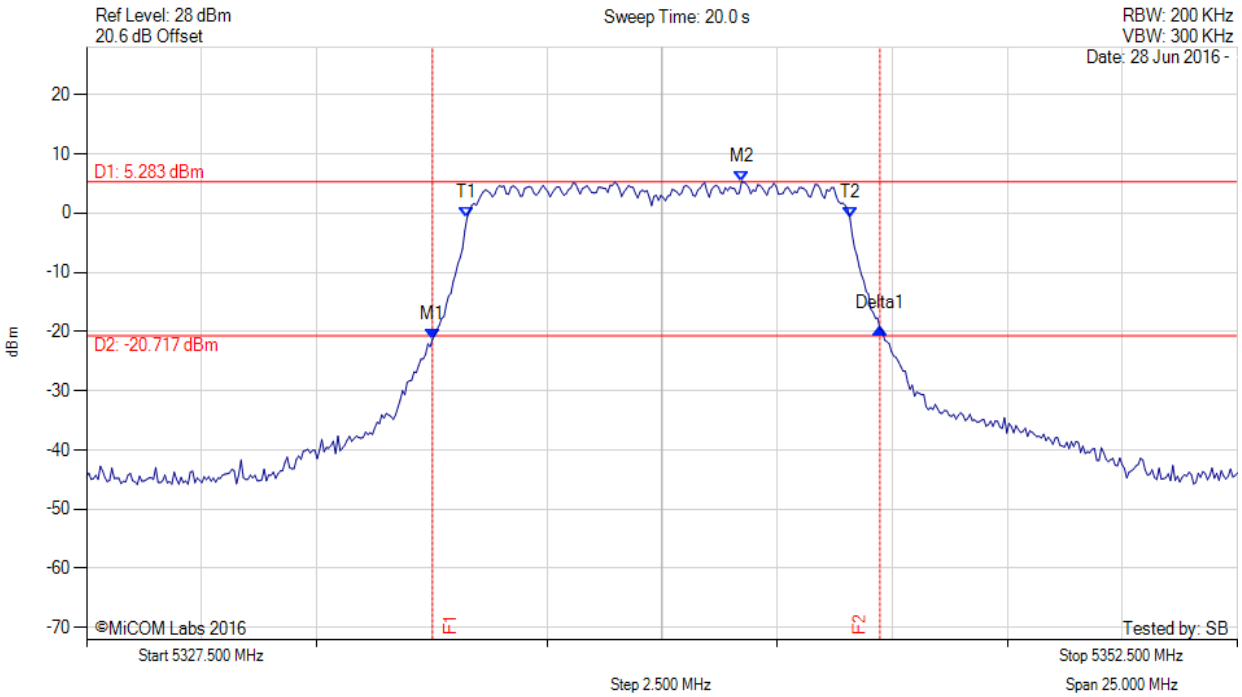


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5334.915 MHz : -21.235 dBm M2 : 5342.179 MHz : 5.505 dBm Delta1 : 9.970 MHz : 2.036 dB T1 : 5335.767 MHz : 0.062 dBm T2 : 5344.083 MHz : -0.511 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.970 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5340.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

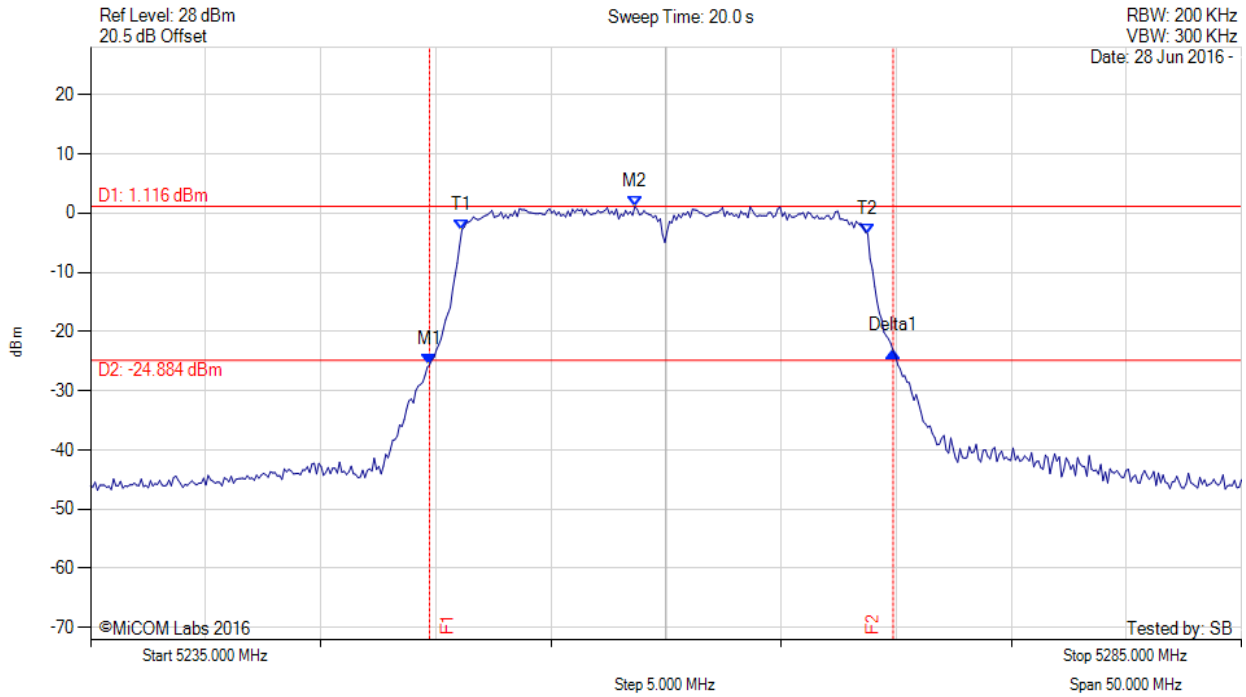


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5335.015 MHz : -21.247 dBm M2 : 5341.728 MHz : 5.283 dBm Delta1 : 9.719 MHz : 1.702 dB T1 : 5335.767 MHz : -0.798 dBm T2 : 5344.083 MHz : -0.834 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.719 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

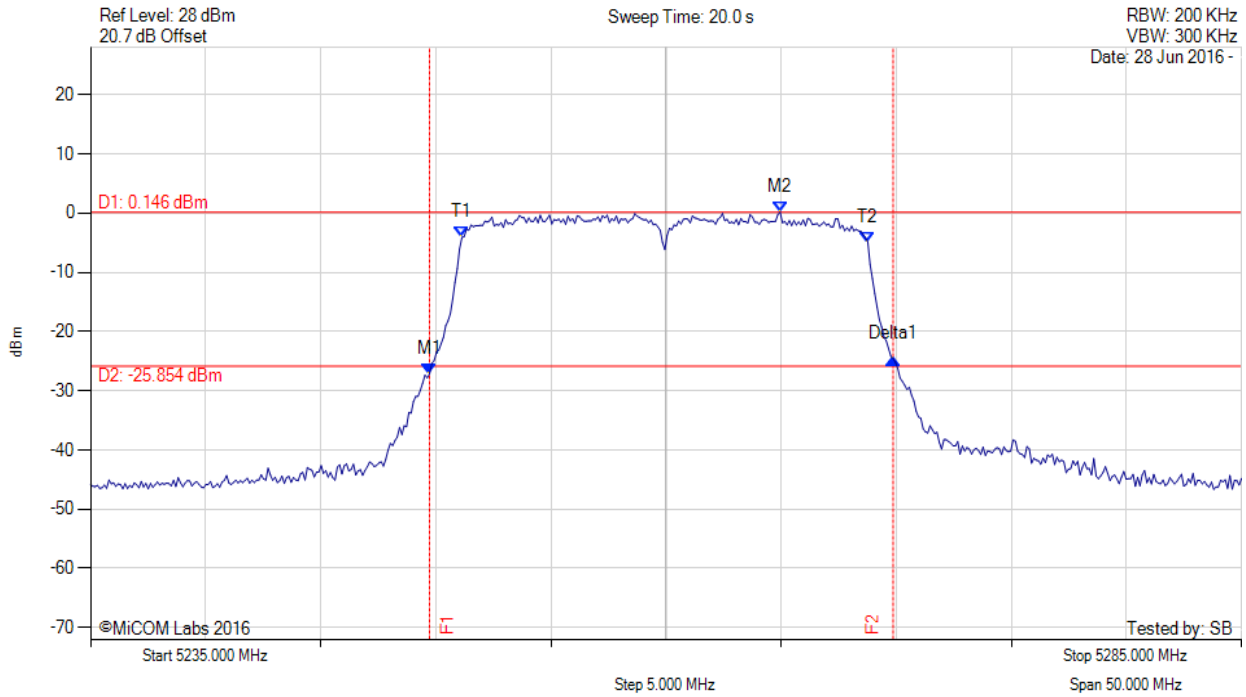


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5249.729 MHz : -25.601 dBm M2 : 5258.647 MHz : 1.116 dBm Delta1 : 20.140 MHz : 2.268 dB T1 : 5251.132 MHz : -2.821 dBm T2 : 5268.768 MHz : -3.554 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

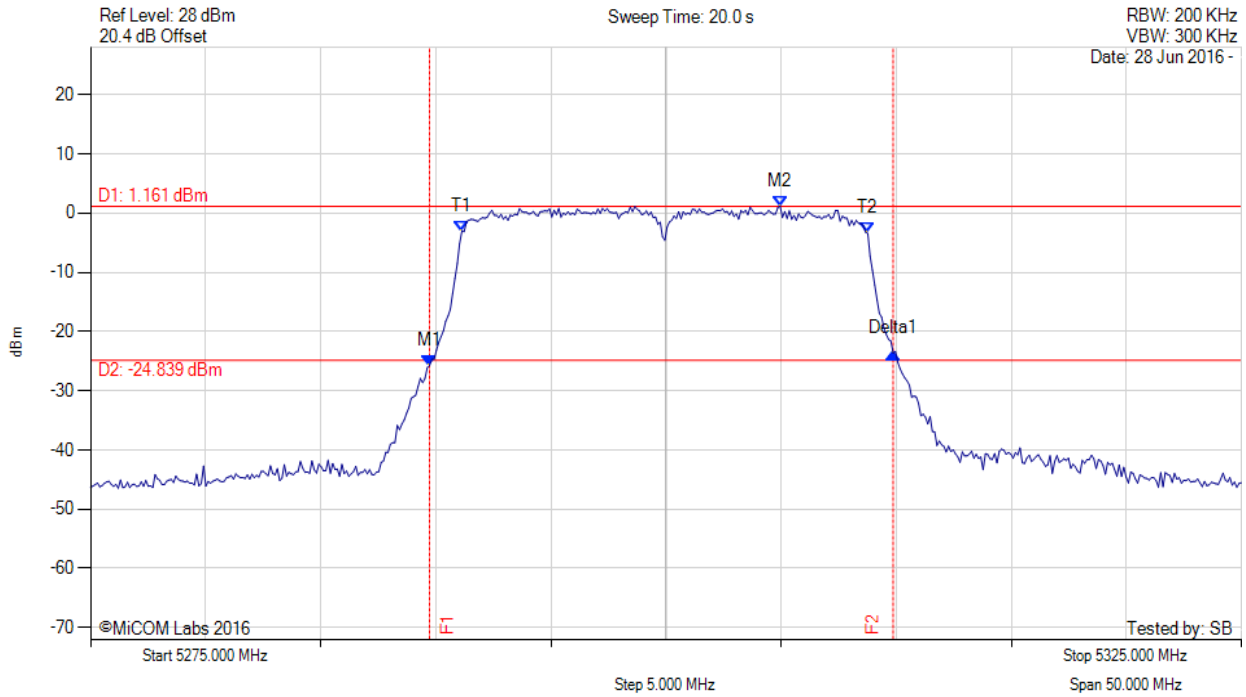


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5249.729 MHz : -27.119 dBm M2 : 5264.960 MHz : 0.146 dBm Delta1 : 20.140 MHz : 2.587 dB T1 : 5251.132 MHz : -4.113 dBm T2 : 5268.768 MHz : -4.912 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

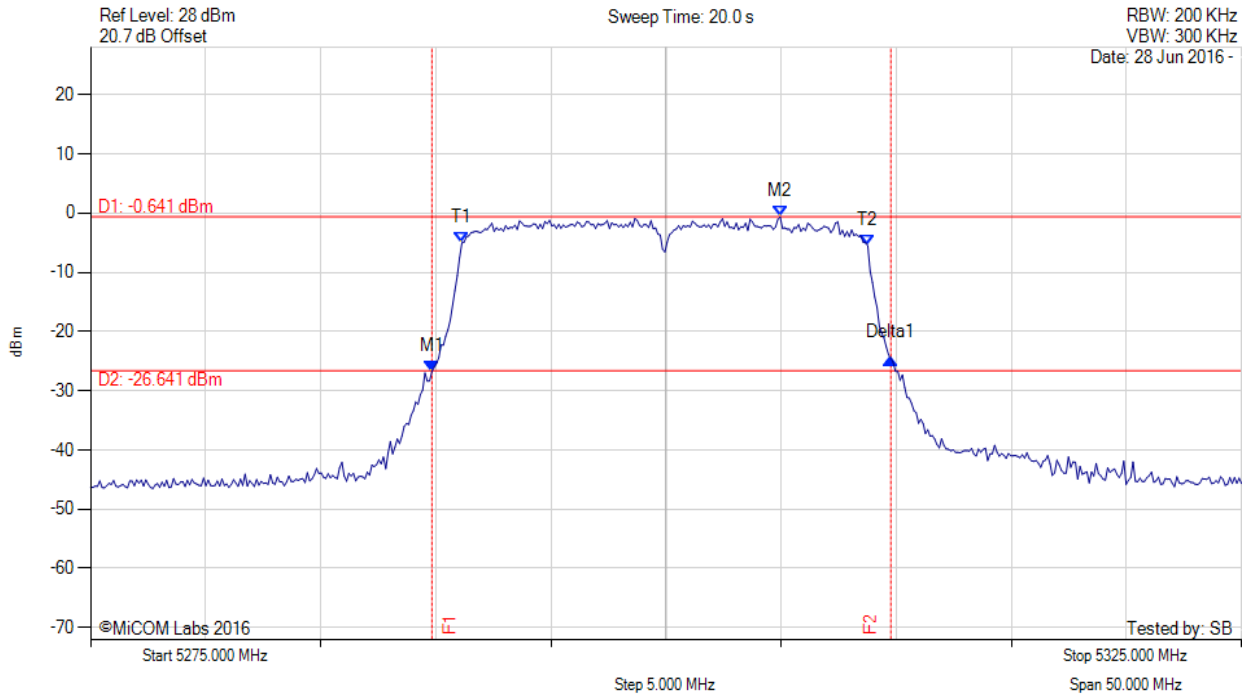


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5289.729 MHz : -25.717 dBm M2 : 5304.960 MHz : 1.161 dBm Delta1 : 20.140 MHz : 2.068 dB T1 : 5291.132 MHz : -3.031 dBm T2 : 5308.768 MHz : -3.444 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

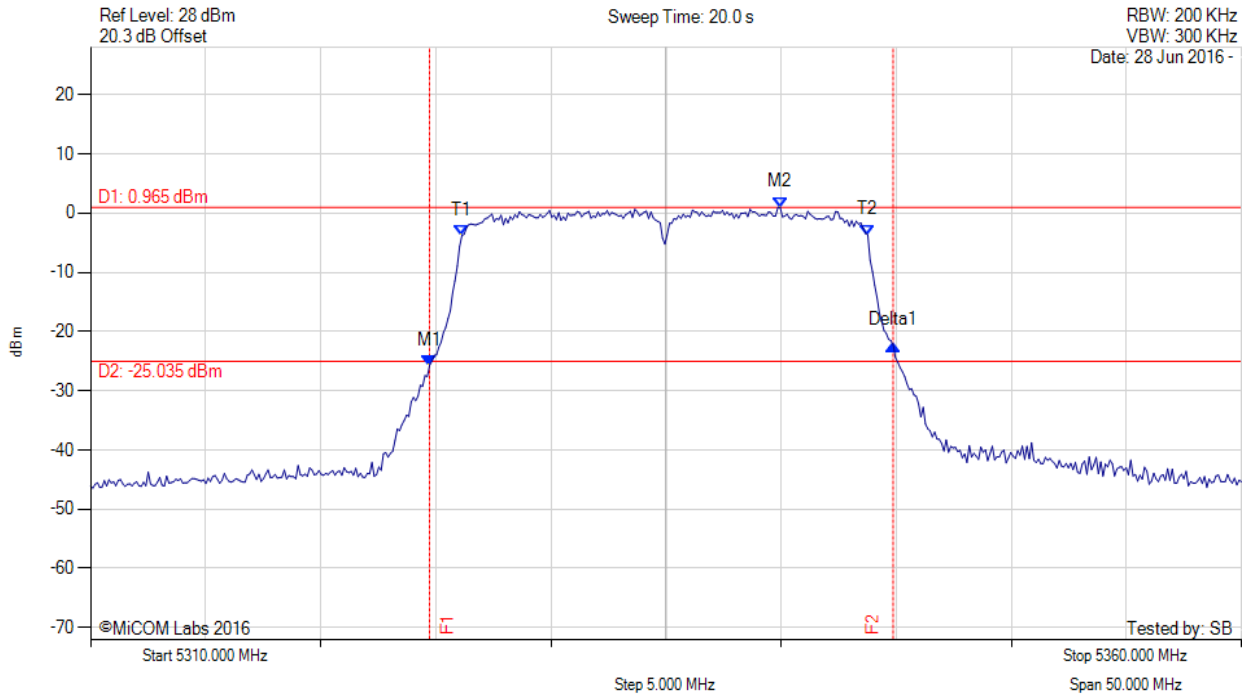


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5289.830 MHz : -26.748 dBm M2 : 5304.960 MHz : -0.641 dBm Delta1 : 19.940 MHz : 2.247 dB T1 : 5291.132 MHz : -5.018 dBm T2 : 5308.768 MHz : -5.543 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5340.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

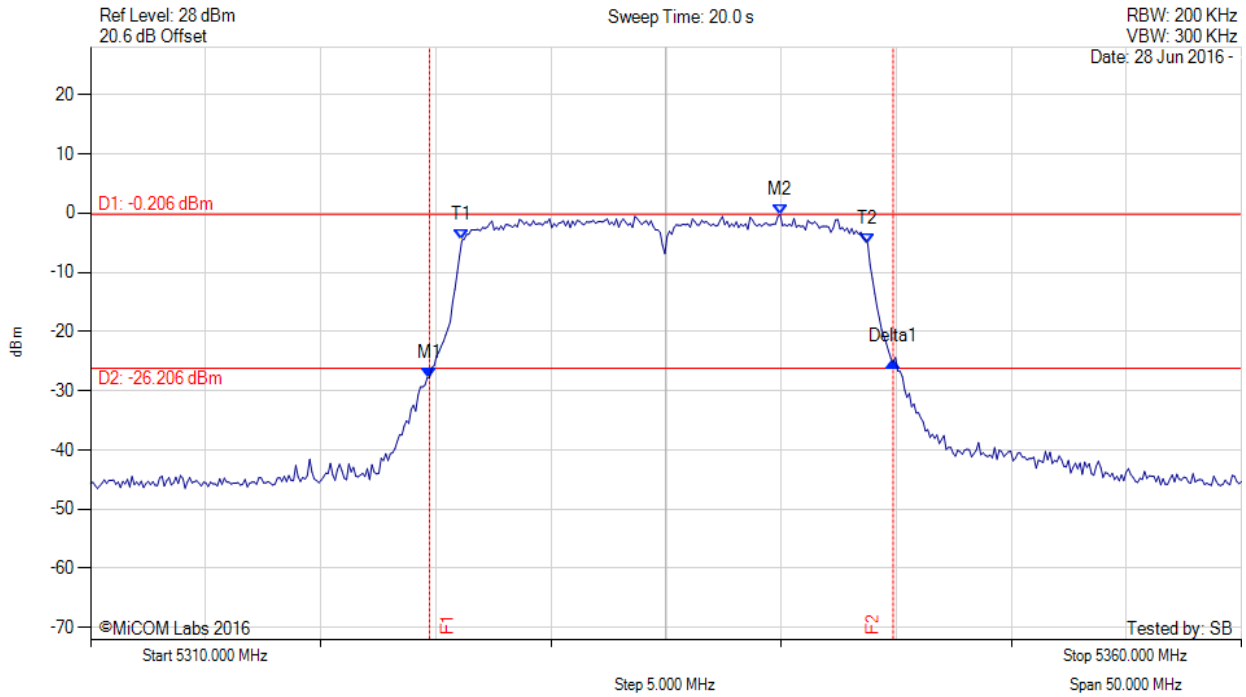


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5324.729 MHz : -25.740 dBm M2 : 5339.960 MHz : 0.965 dBm Delta1 : 20.140 MHz : 3.492 dB T1 : 5326.132 MHz : -3.781 dBm T2 : 5343.768 MHz : -3.710 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5340.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

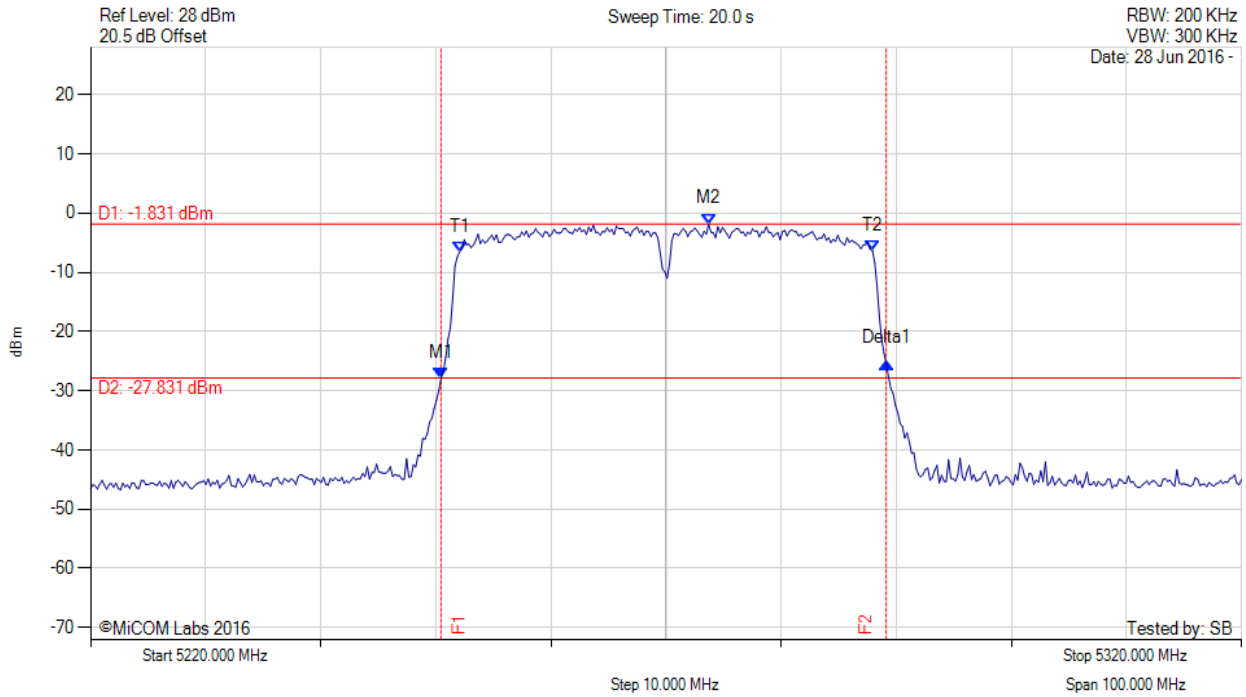


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5324.729 MHz : -27.810 dBm M2 : 5339.960 MHz : -0.206 dBm Delta1 : 20.140 MHz : 2.674 dB T1 : 5326.132 MHz : -4.609 dBm T2 : 5343.768 MHz : -5.238 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

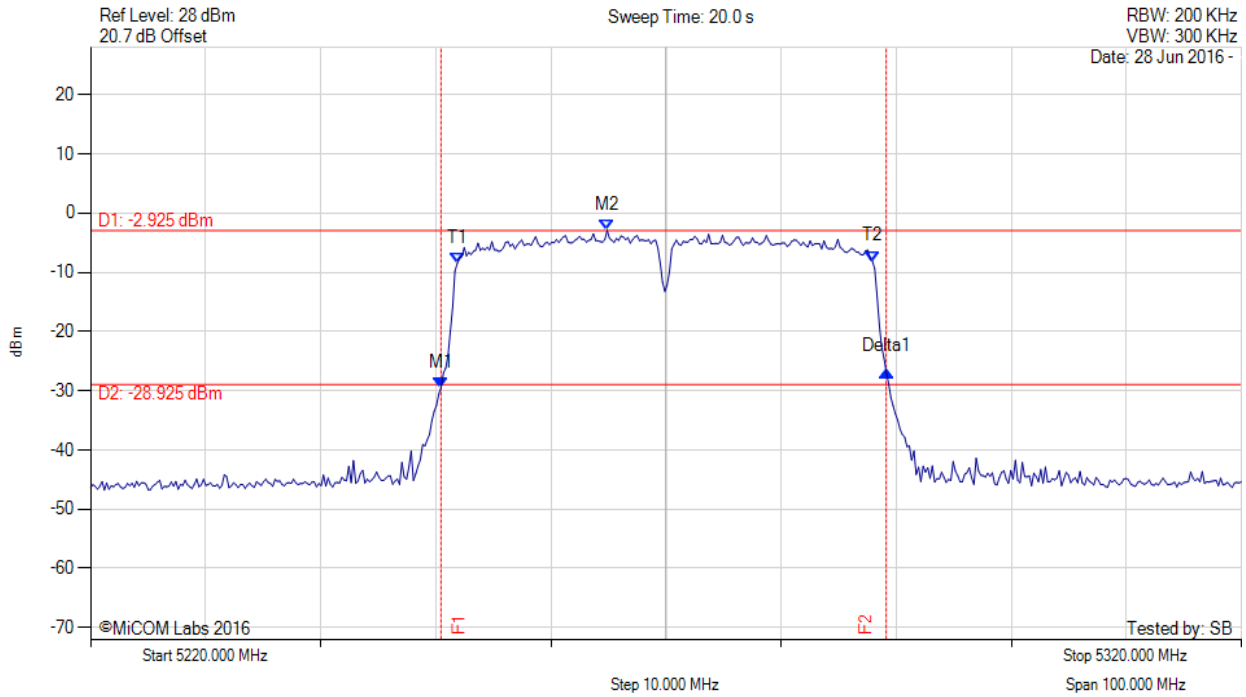


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5250.461 MHz : -27.889 dBm M2 : 5273.707 MHz : -1.831 dBm Delta1 : 38.677 MHz : 2.506 dB T1 : 5252.064 MHz : -6.549 dBm T2 : 5287.936 MHz : -6.324 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5270.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

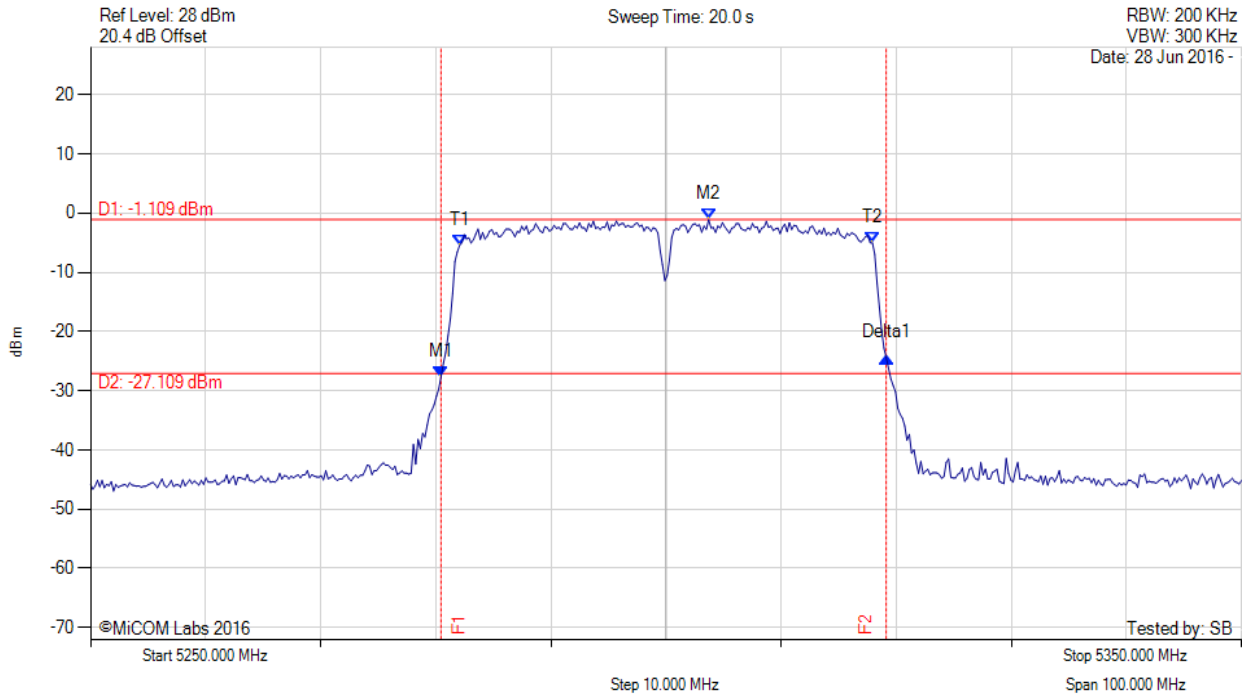


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5250.461 MHz : -29.470 dBm M2 : 5264.890 MHz : -2.925 dBm Delta1 : 38.677 MHz : 2.676 dB T1 : 5251.864 MHz : -8.498 dBm T2 : 5287.936 MHz : -8.123 dBm OBW : 36.072 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 36.072 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

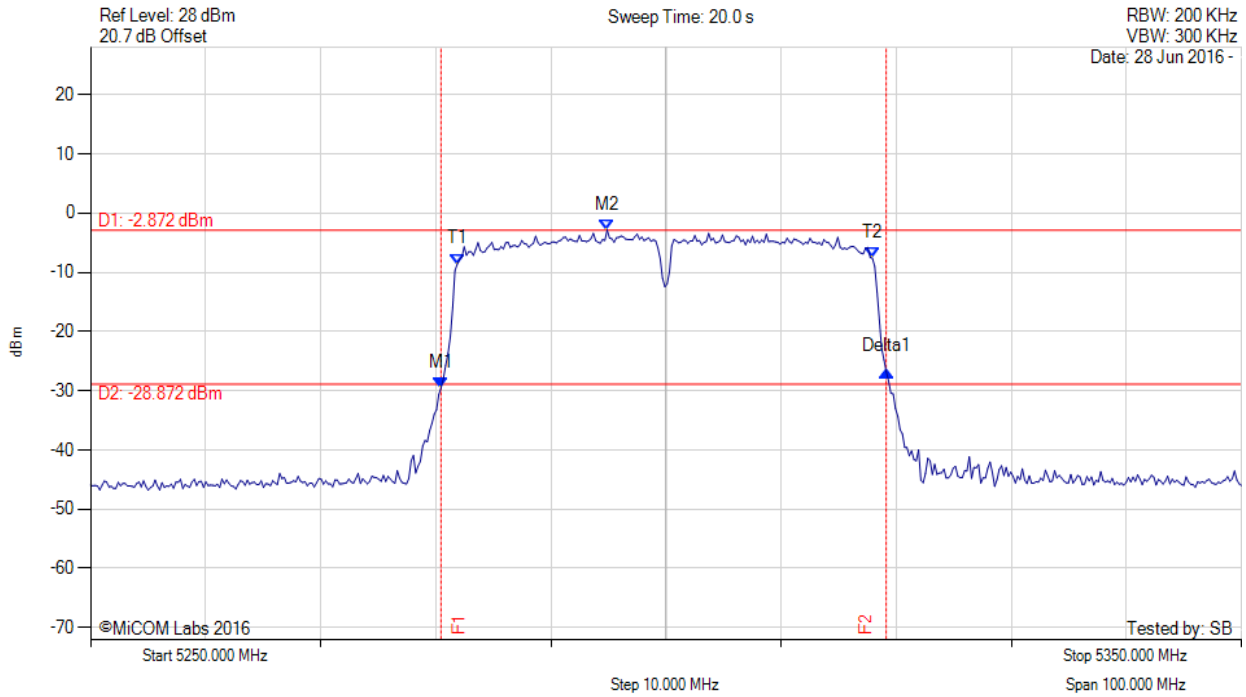


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5280.461 MHz : -27.570 dBm M2 : 5303.707 MHz : -1.109 dBm Delta1 : 38.677 MHz : 3.173 dB T1 : 5282.064 MHz : -5.467 dBm T2 : 5317.936 MHz : -5.034 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

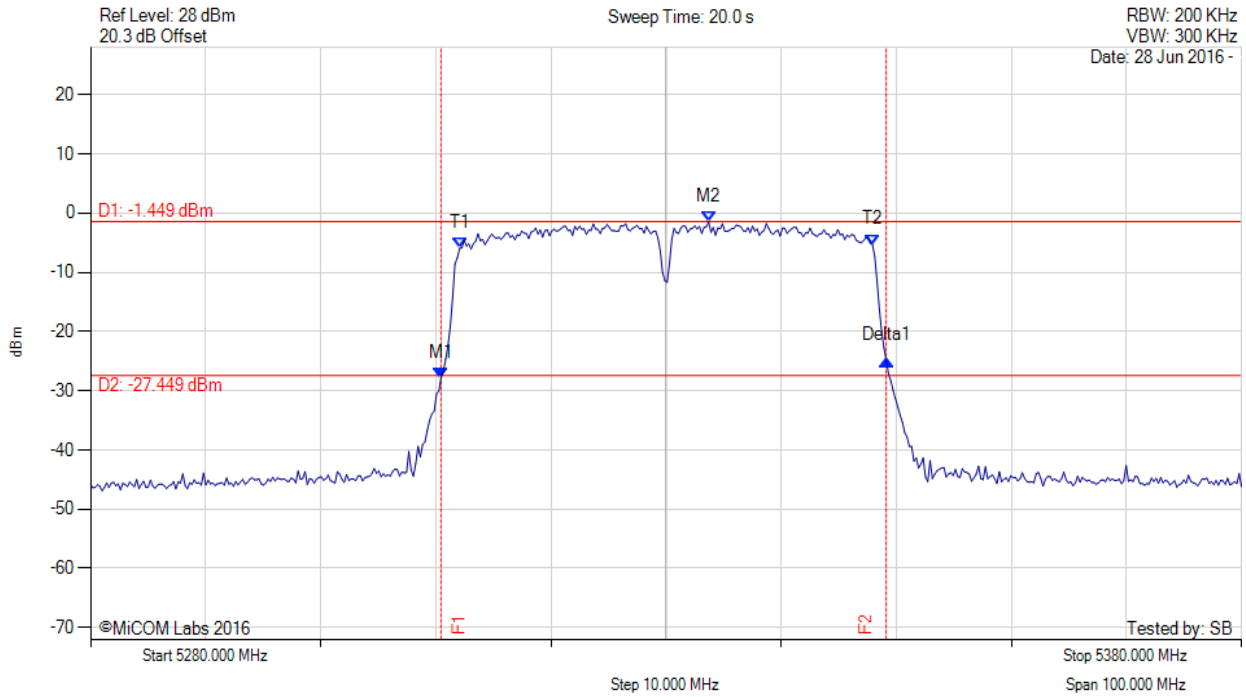


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5280.461 MHz : -29.480 dBm M2 : 5294.890 MHz : -2.872 dBm Delta1 : 38.677 MHz : 2.735 dB T1 : 5281.864 MHz : -8.618 dBm T2 : 5317.936 MHz : -7.635 dBm OBW : 36.072 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 36.072 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5330.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

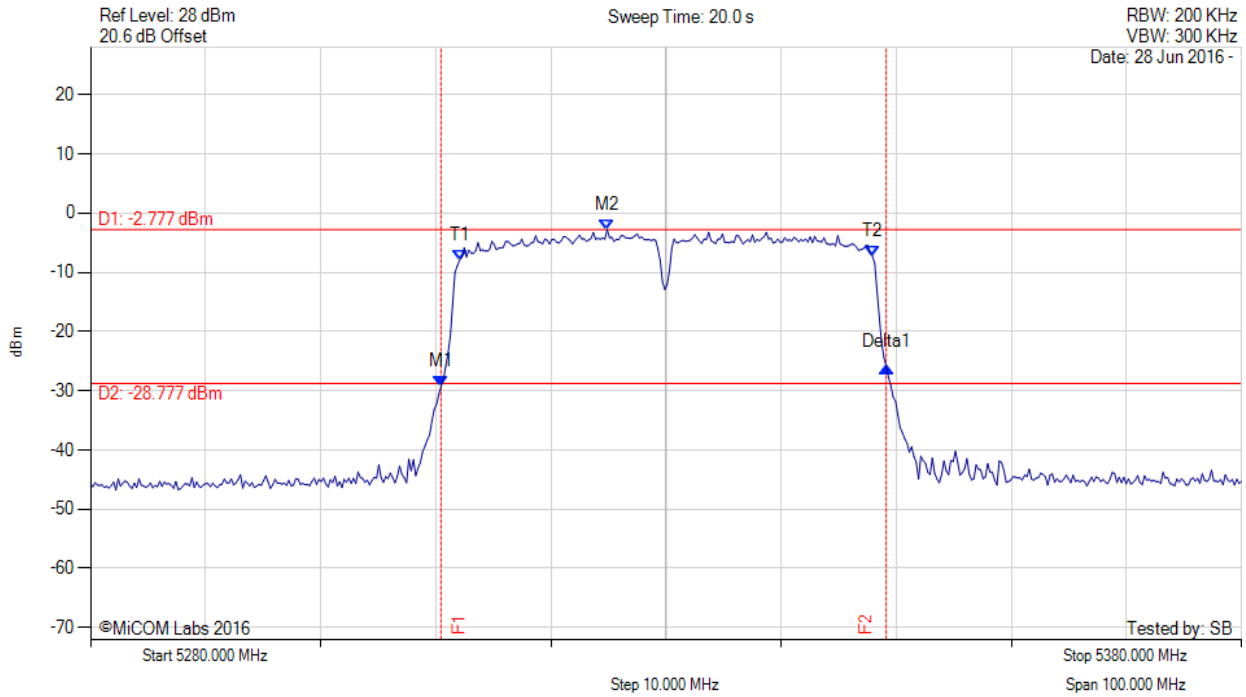


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5310.461 MHz : -27.790 dBm M2 : 5333.707 MHz : -1.449 dBm Delta1 : 38.677 MHz : 2.947 dB T1 : 5312.064 MHz : -5.968 dBm T2 : 5347.936 MHz : -5.327 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5330.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

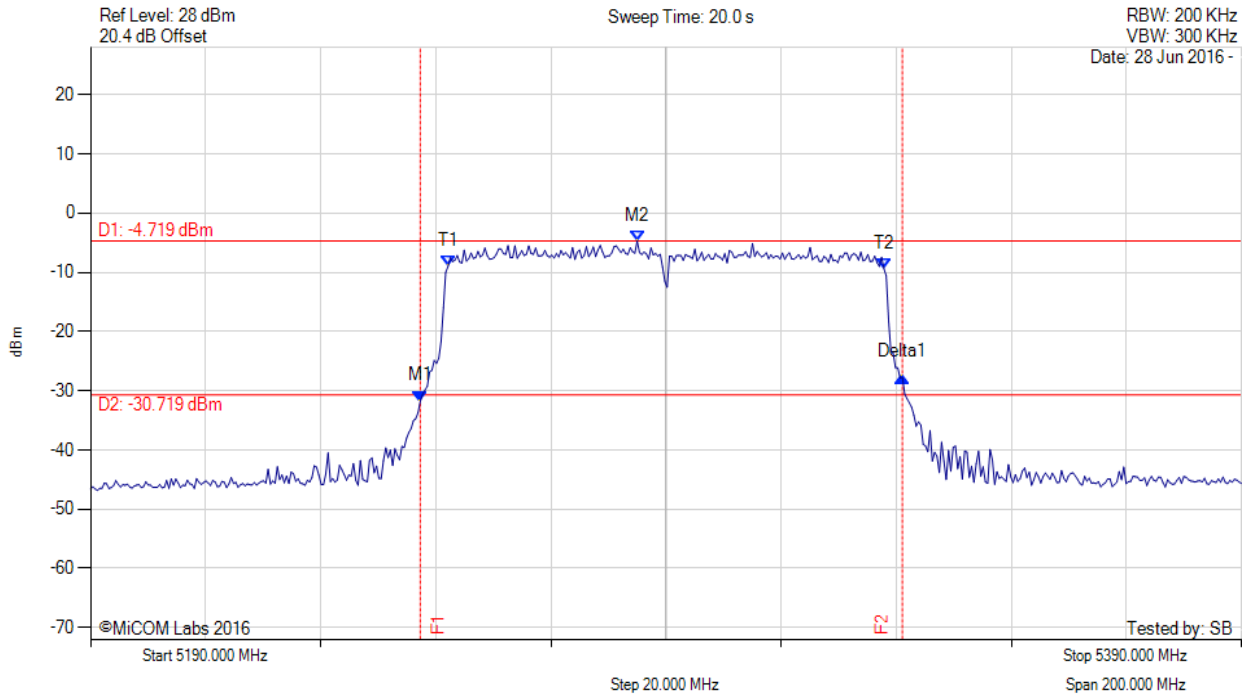


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5310.461 MHz : -29.282 dBm M2 : 5324.890 MHz : -2.777 dBm Delta1 : 38.677 MHz : 3.313 dB T1 : 5312.064 MHz : -7.975 dBm T2 : 5347.936 MHz : -7.288 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

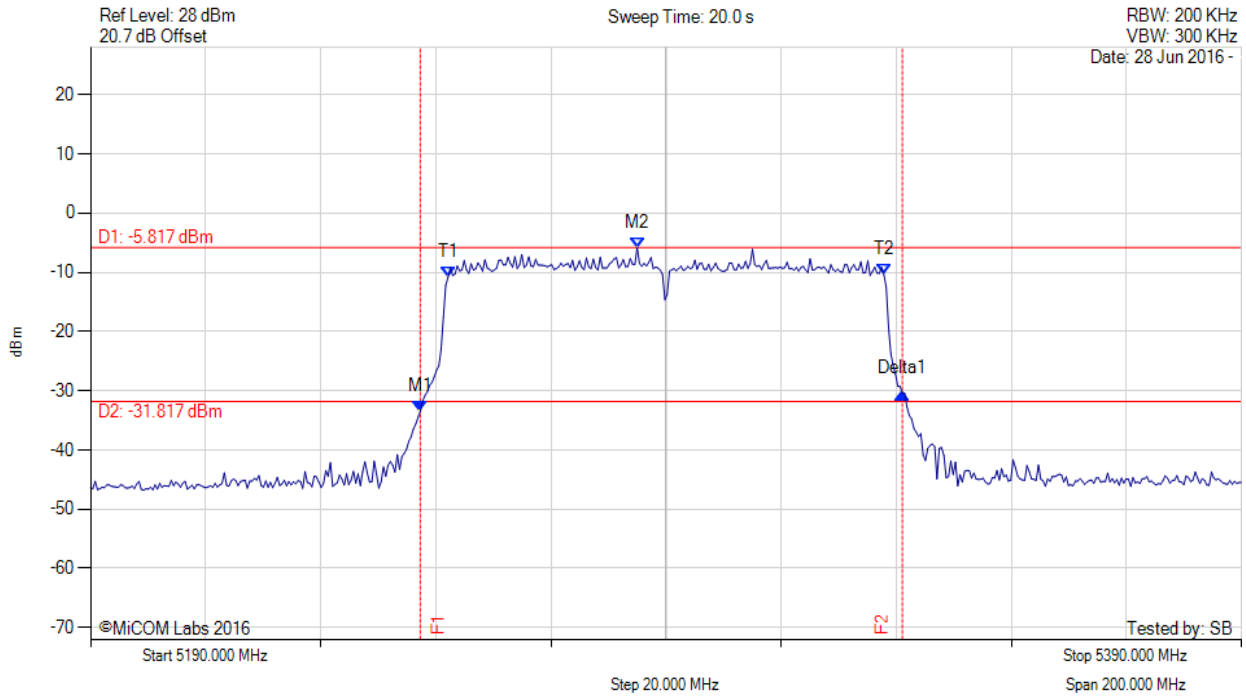


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.315 MHz : -31.747 dBm M2 : 5284.990 MHz : -4.719 dBm Delta1 : 83.768 MHz : 4.006 dB T1 : 5252.124 MHz : -9.012 dBm T2 : 5327.876 MHz : -9.407 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5290.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

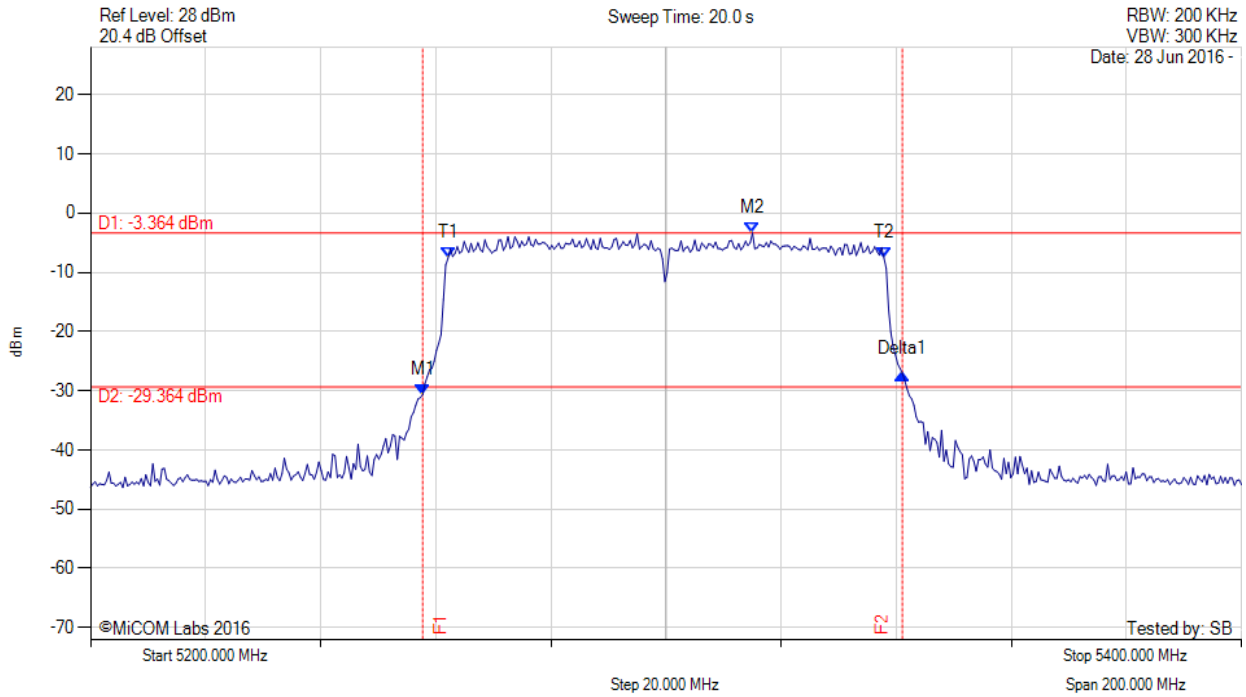


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.315 MHz : -33.488 dBm M2 : 5284.990 MHz : -5.817 dBm Delta1 : 83.768 MHz : 3.055 dB T1 : 5252.124 MHz : -10.851 dBm T2 : 5327.876 MHz : -10.424 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

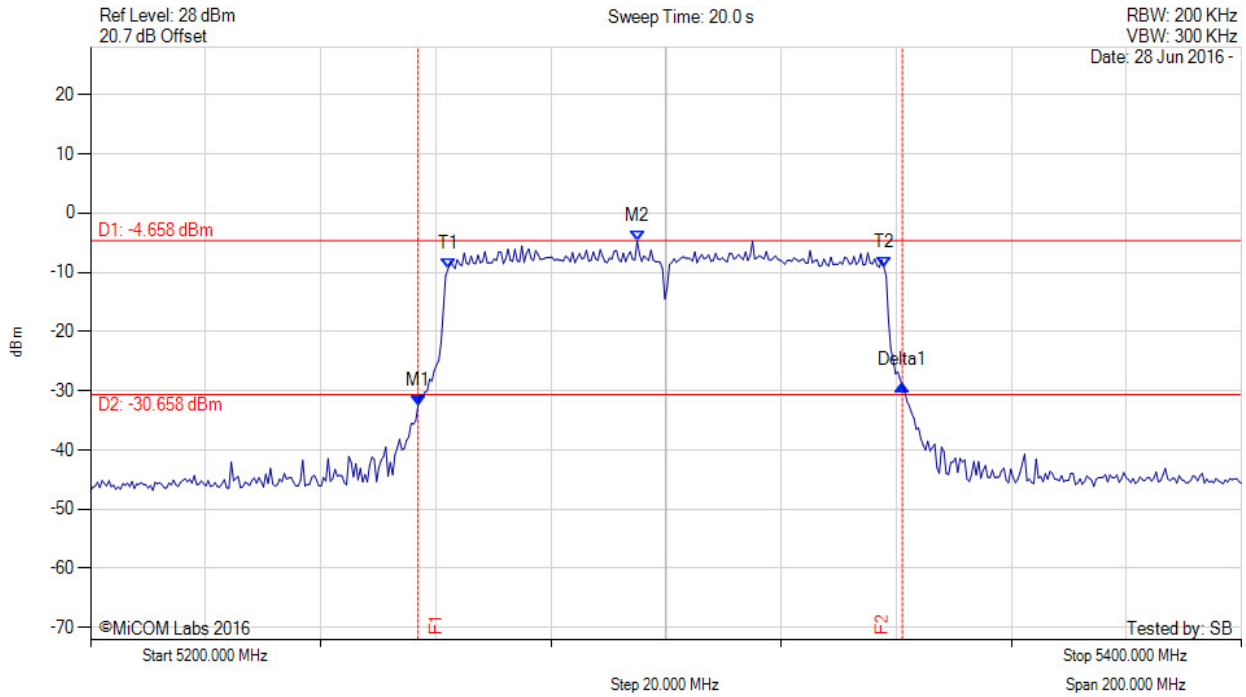


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5257.715 MHz : -30.649 dBm M2 : 5315.030 MHz : -3.364 dBm Delta1 : 83.367 MHz : 3.547 dB T1 : 5262.124 MHz : -7.611 dBm T2 : 5337.876 MHz : -7.568 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

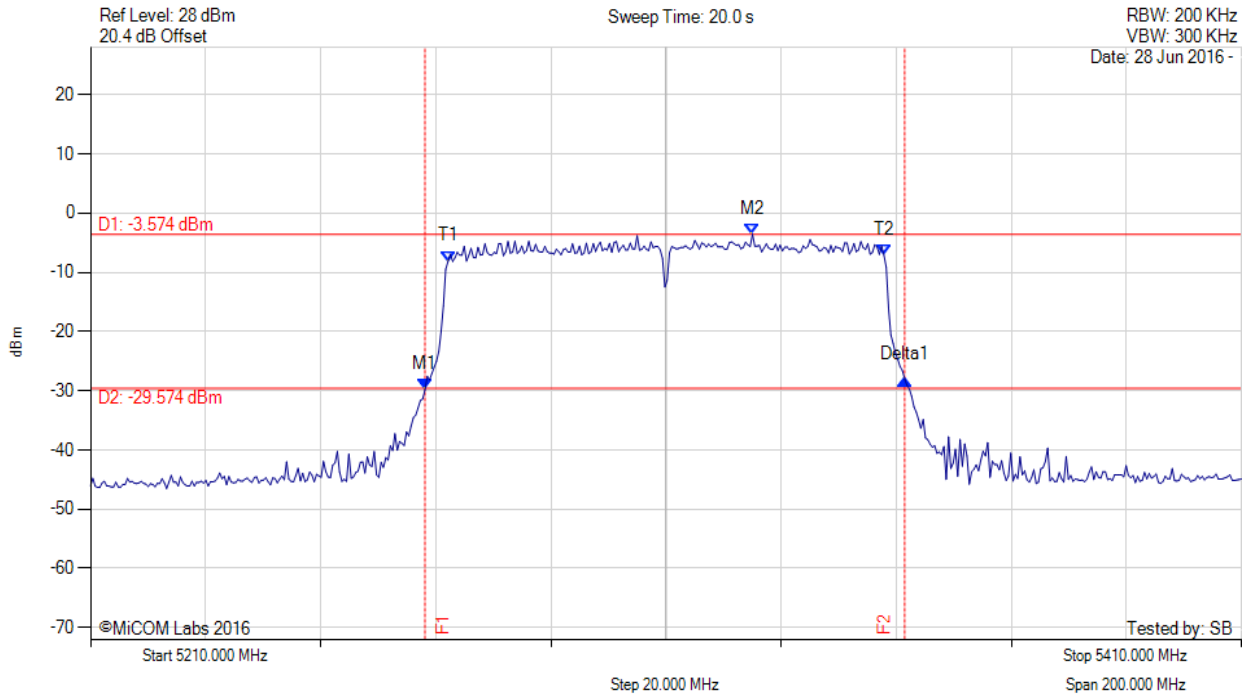


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5256.914 MHz : -32.478 dBm M2 : 5294.990 MHz : -4.658 dBm Delta1 : 84.168 MHz : 3.439 dB T1 : 5262.124 MHz : -9.488 dBm T2 : 5337.876 MHz : -9.140 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 84.168 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

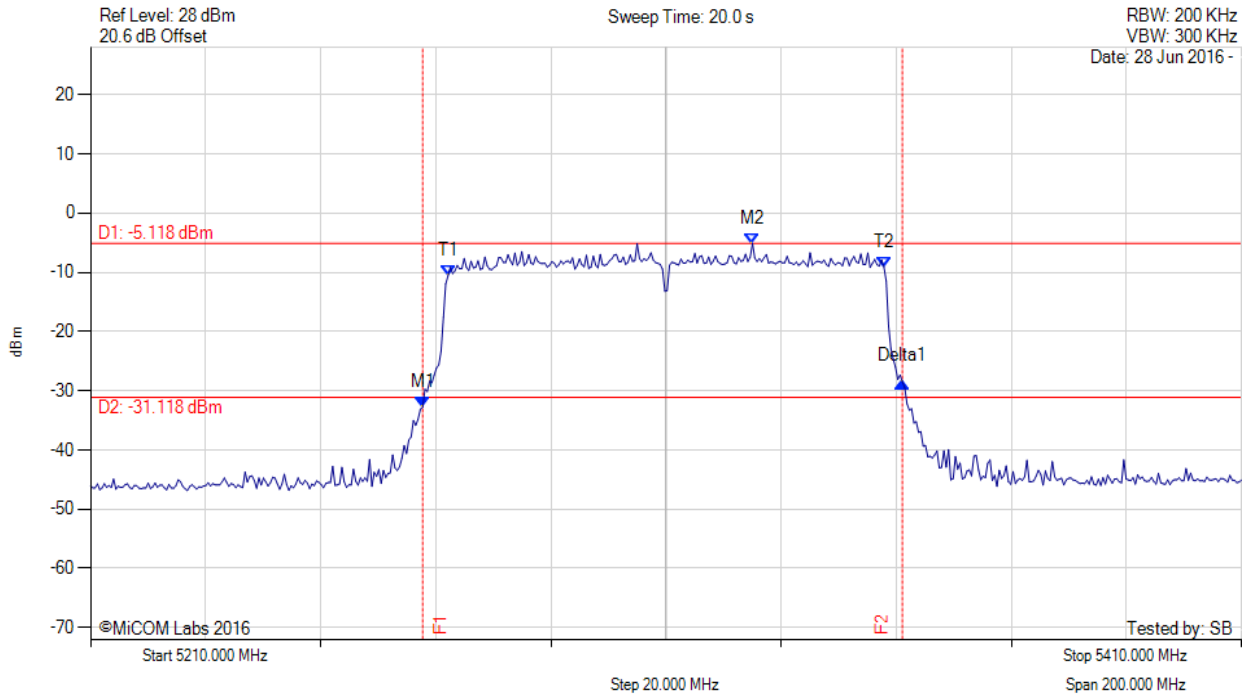


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5268.116 MHz : -29.842 dBm M2 : 5325.030 MHz : -3.574 dBm Delta1 : 83.367 MHz : 1.796 dB T1 : 5272.124 MHz : -8.129 dBm T2 : 5347.876 MHz : -7.125 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5310.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

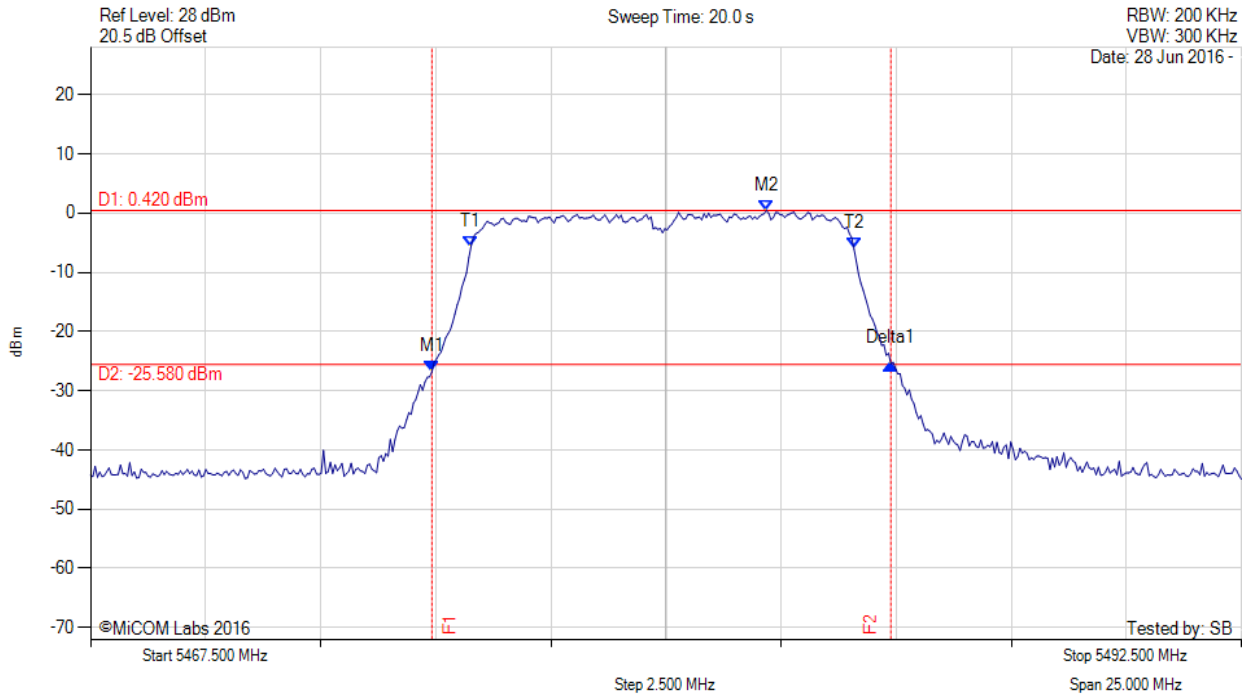


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5267.715 MHz : -32.783 dBm M2 : 5325.030 MHz : -5.118 dBm Delta1 : 83.367 MHz : 4.303 dB T1 : 5272.124 MHz : -10.600 dBm T2 : 5347.876 MHz : -9.122 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5480.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

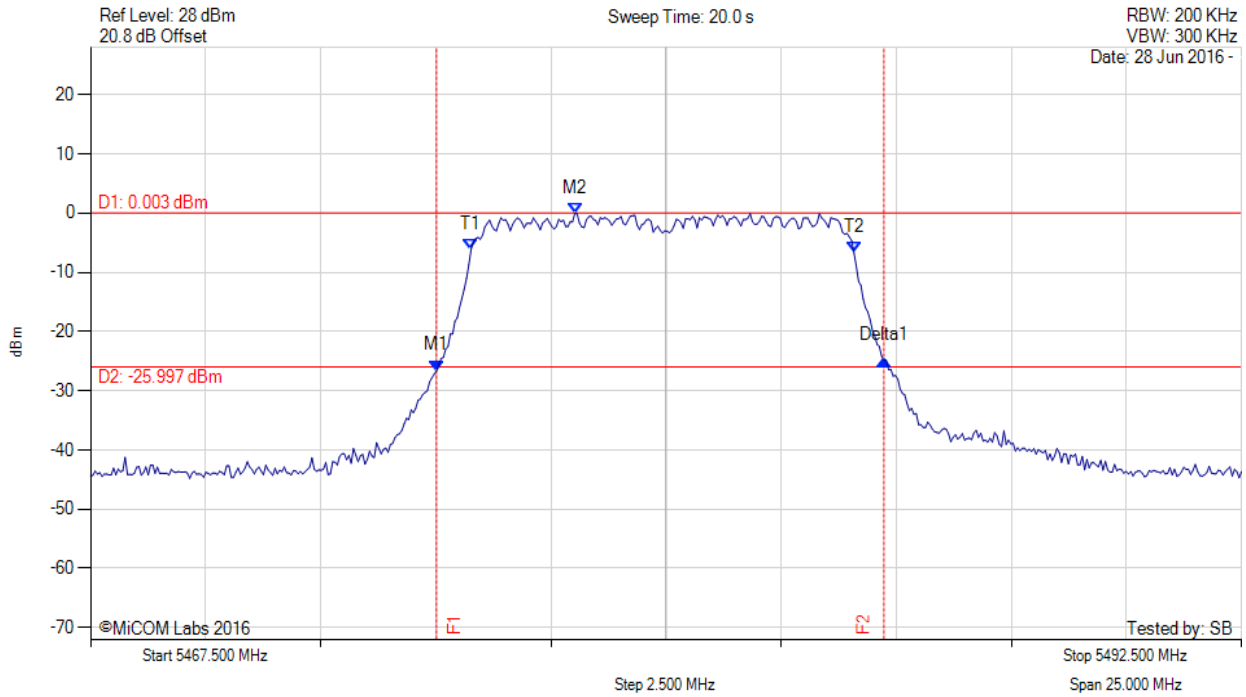


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5474.915 MHz : -26.807 dBm M2 : 5482.179 MHz : 0.420 dBm Delta1 : 9.970 MHz : 1.367 dB T1 : 5475.767 MHz : -5.606 dBm T2 : 5484.083 MHz : -6.010 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.970 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5480.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

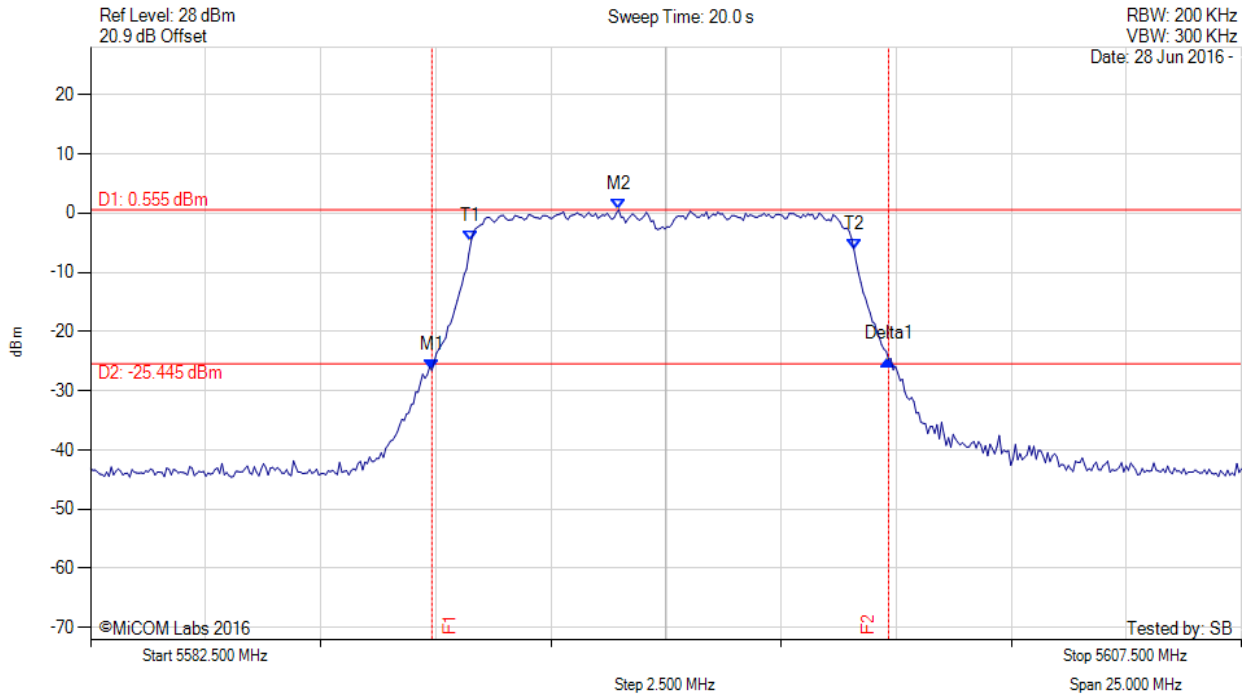


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5475.015 MHz : -26.586 dBm M2 : 5478.021 MHz : 0.003 dBm Delta1 : 9.719 MHz : 1.723 dB T1 : 5475.767 MHz : -6.165 dBm T2 : 5484.083 MHz : -6.704 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.719 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5595.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

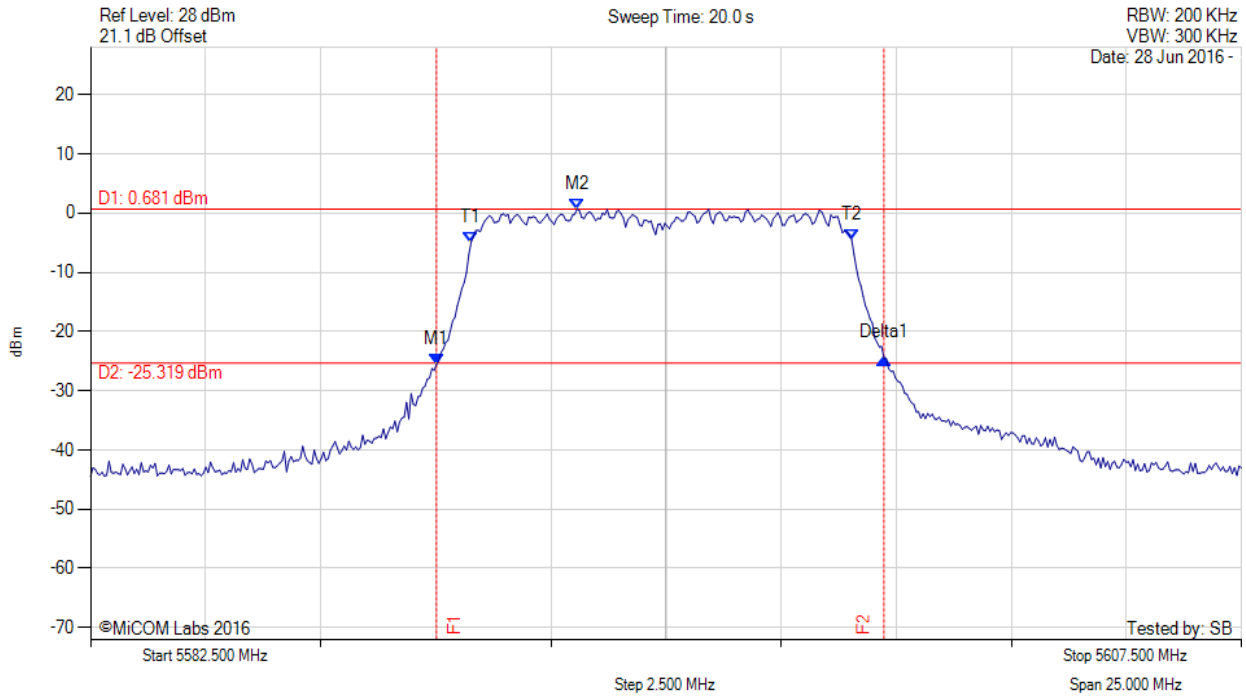


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5589.915 MHz : -26.555 dBm M2 : 5593.973 MHz : 0.555 dBm Delta1 : 9.920 MHz : 1.824 dB T1 : 5590.767 MHz : -4.843 dBm T2 : 5599.083 MHz : -6.161 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.920 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5595.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

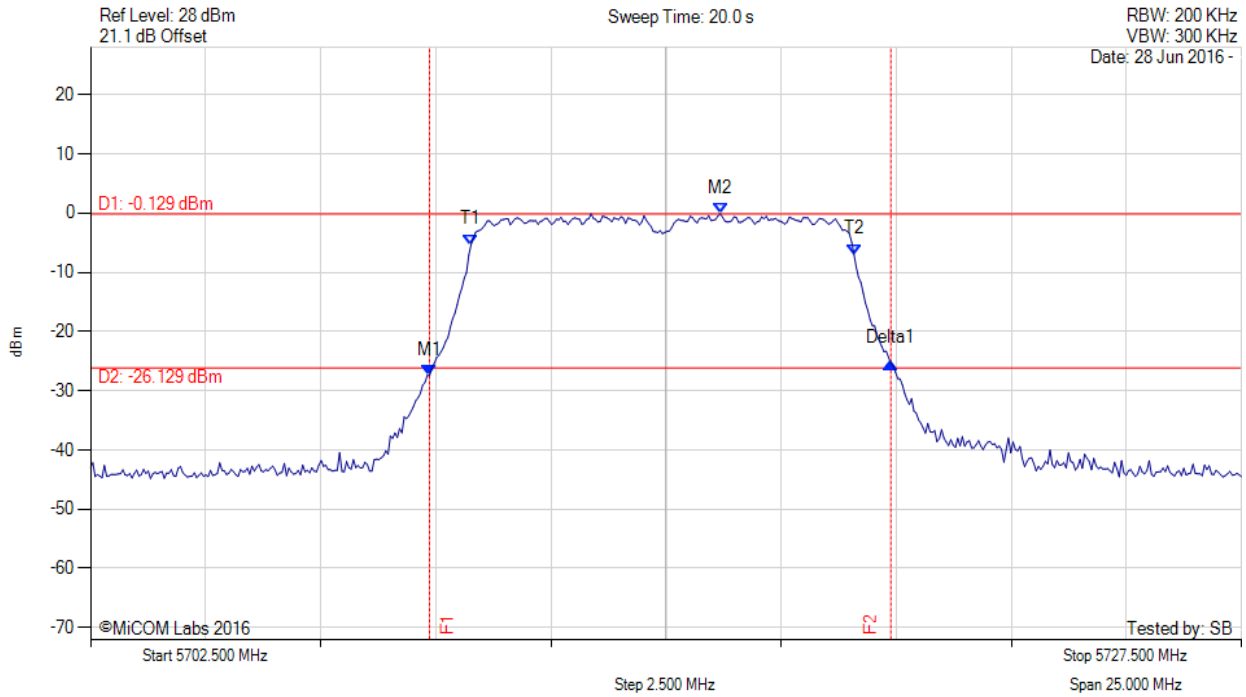


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5590.015 MHz : -25.518 dBm M2 : 5593.071 MHz : 0.681 dBm Delta1 : 9.719 MHz : 1.023 dB T1 : 5590.767 MHz : -4.963 dBm T2 : 5599.033 MHz : -4.501 dBm OBW : 8.267 MHz	Measured 26 dB Bandwidth: 9.719 MHz Measured 99% Bandwidth: 8.267 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5715.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

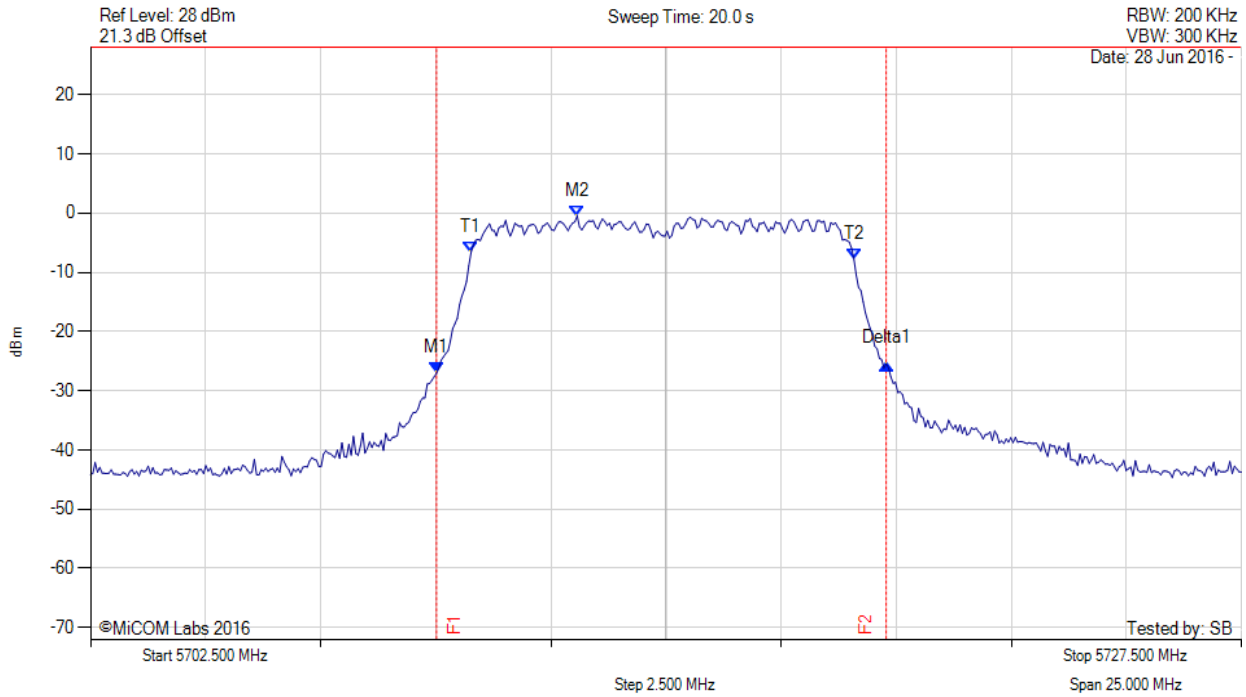


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5709.865 MHz : -27.440 dBm M2 : 5716.177 MHz : -0.129 dBm Delta1 : 10.020 MHz : 2.123 dB T1 : 5710.767 MHz : -5.333 dBm T2 : 5719.083 MHz : -6.970 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 10.020 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5715.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

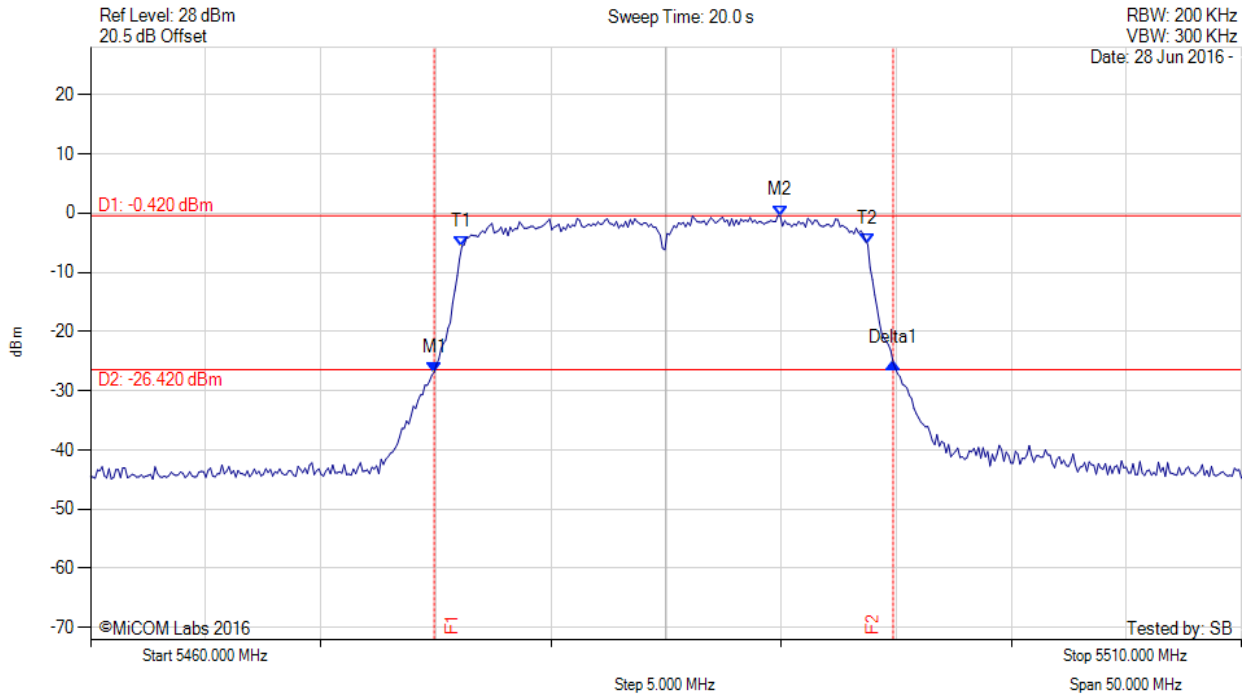


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5710.015 MHz : -27.047 dBm M2 : 5713.071 MHz : -0.456 dBm Delta1 : 9.770 MHz : 1.623 dB T1 : 5710.767 MHz : -6.639 dBm T2 : 5719.083 MHz : -7.826 dBm OBW : 8.317 MHz	Measured 26 dB Bandwidth: 9.770 MHz Measured 99% Bandwidth: 8.317 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5485.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

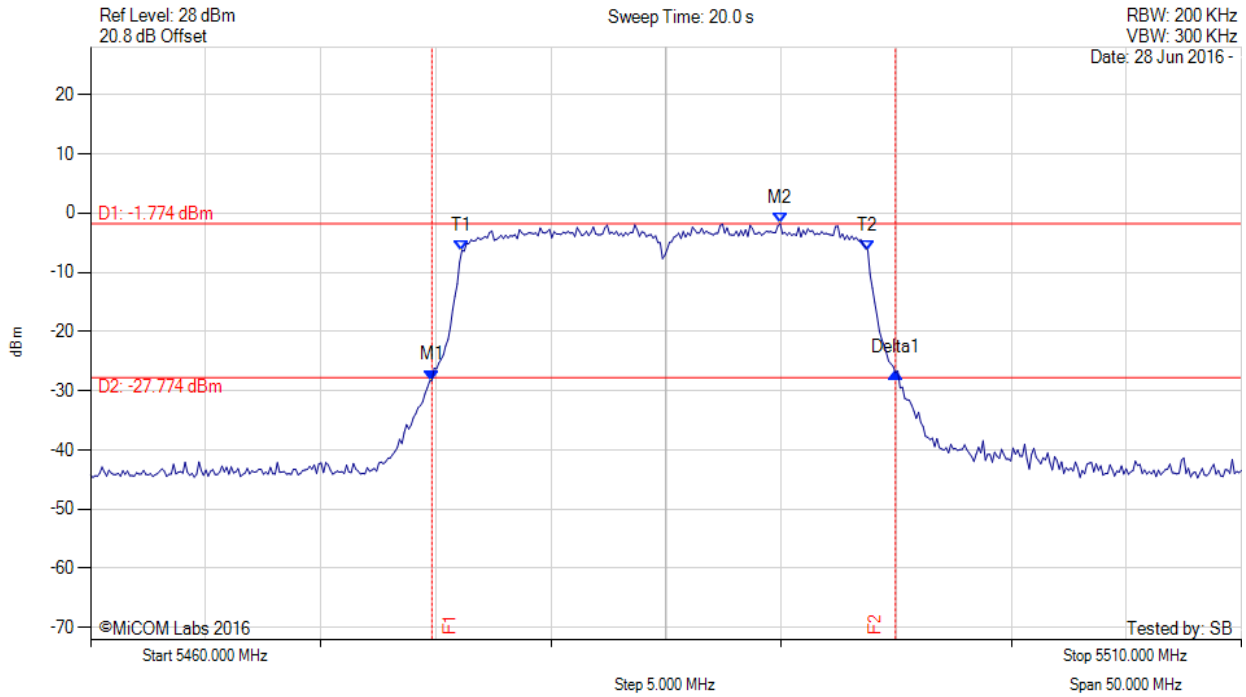


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5474.930 MHz : -26.877 dBm M2 : 5489.960 MHz : -0.420 dBm Delta1 : 19.940 MHz : 1.558 dB T1 : 5476.132 MHz : -5.602 dBm T2 : 5493.768 MHz : -5.311 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5485.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

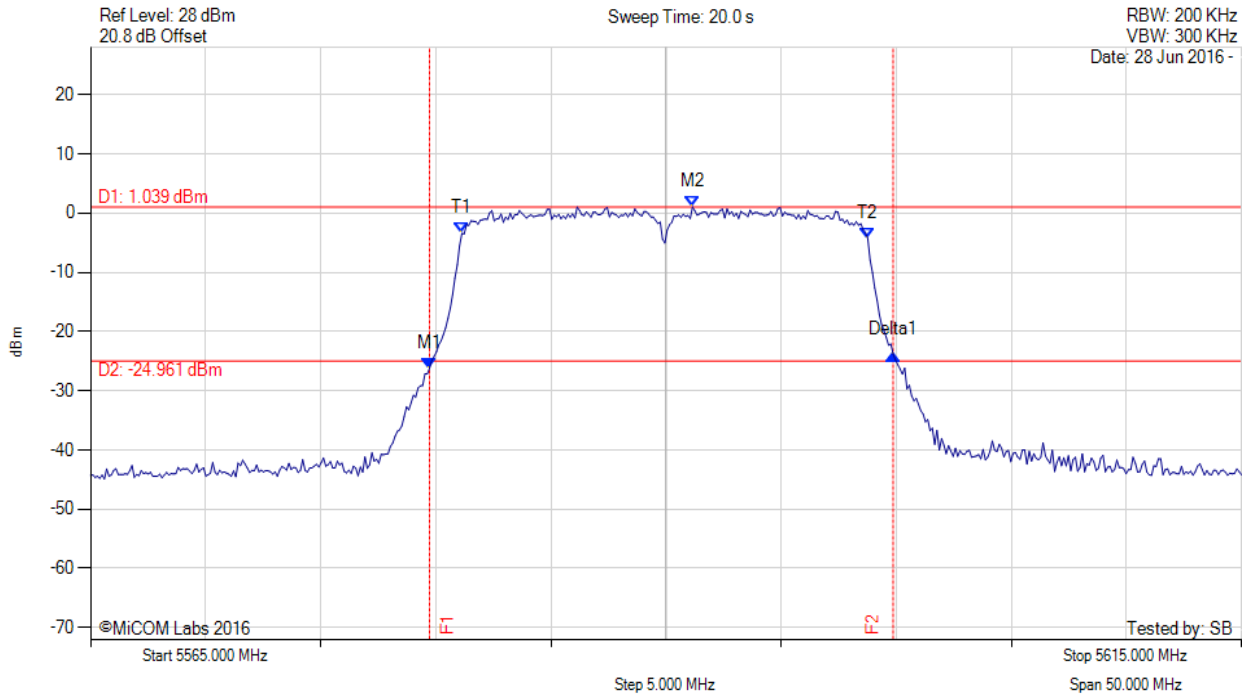


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5474.830 MHz : -28.245 dBm M2 : 5489.960 MHz : -1.774 dBm Delta1 : 20.140 MHz : 1.281 dB T1 : 5476.132 MHz : -6.321 dBm T2 : 5493.768 MHz : -6.336 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5590.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

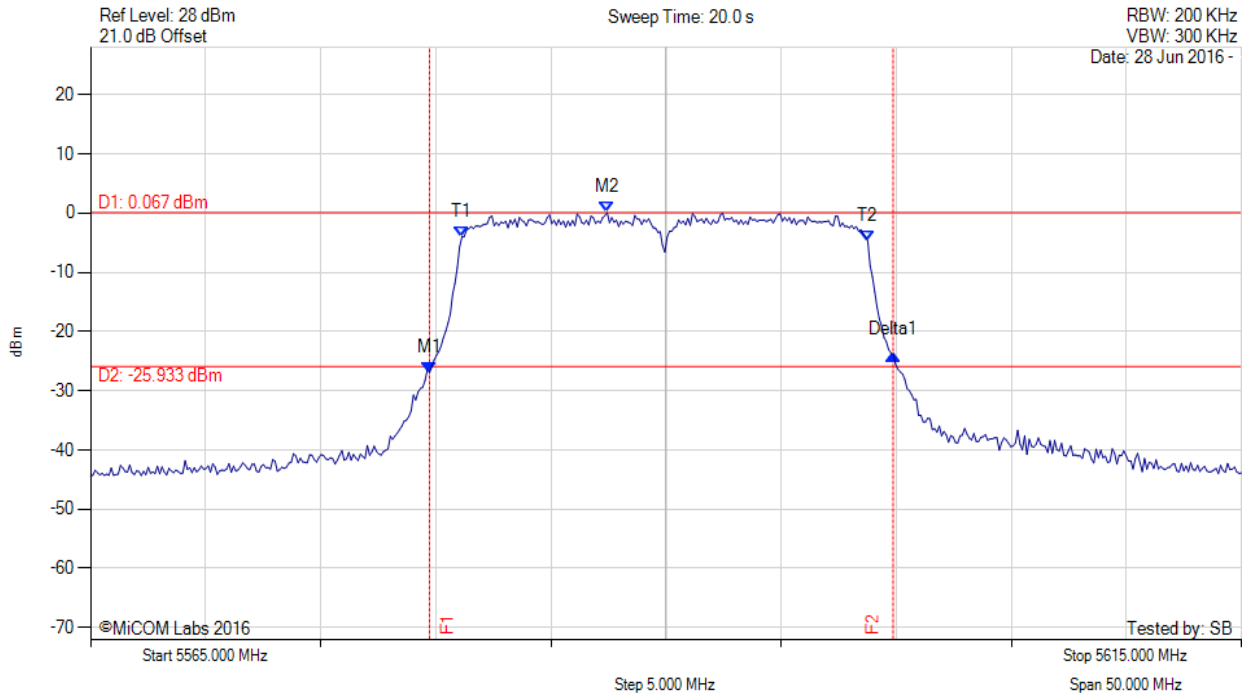


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5579.729 MHz : -26.203 dBm M2 : 5591.152 MHz : 1.039 dBm Delta1 : 20.140 MHz : 2.355 dB T1 : 5581.132 MHz : -3.432 dBm T2 : 5598.768 MHz : -4.349 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5590.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

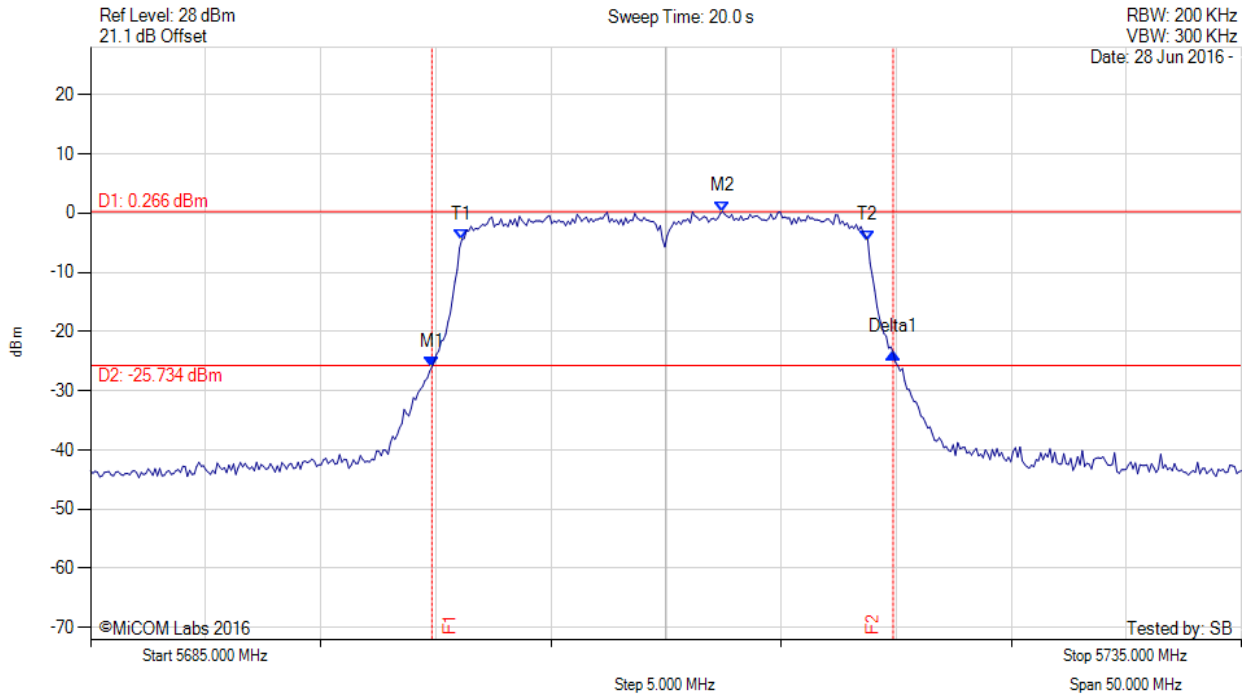


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5579.729 MHz : -26.954 dBm M2 : 5587.445 MHz : 0.067 dBm Delta1 : 20.140 MHz : 3.101 dB T1 : 5581.132 MHz : -4.042 dBm T2 : 5598.768 MHz : -4.772 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.140 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

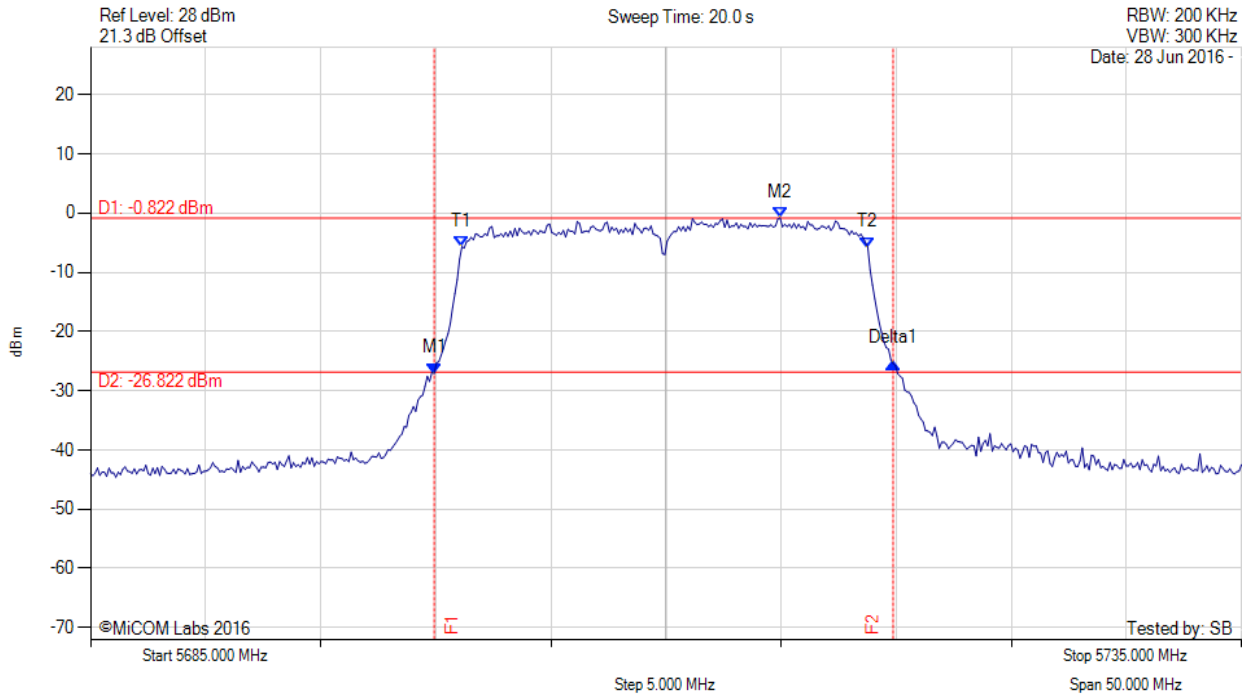


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5699.830 MHz : -25.998 dBm M2 : 5712.455 MHz : 0.266 dBm Delta1 : 20.040 MHz : 2.451 dB T1 : 5701.132 MHz : -4.416 dBm T2 : 5718.768 MHz : -4.623 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 20.040 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5710.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

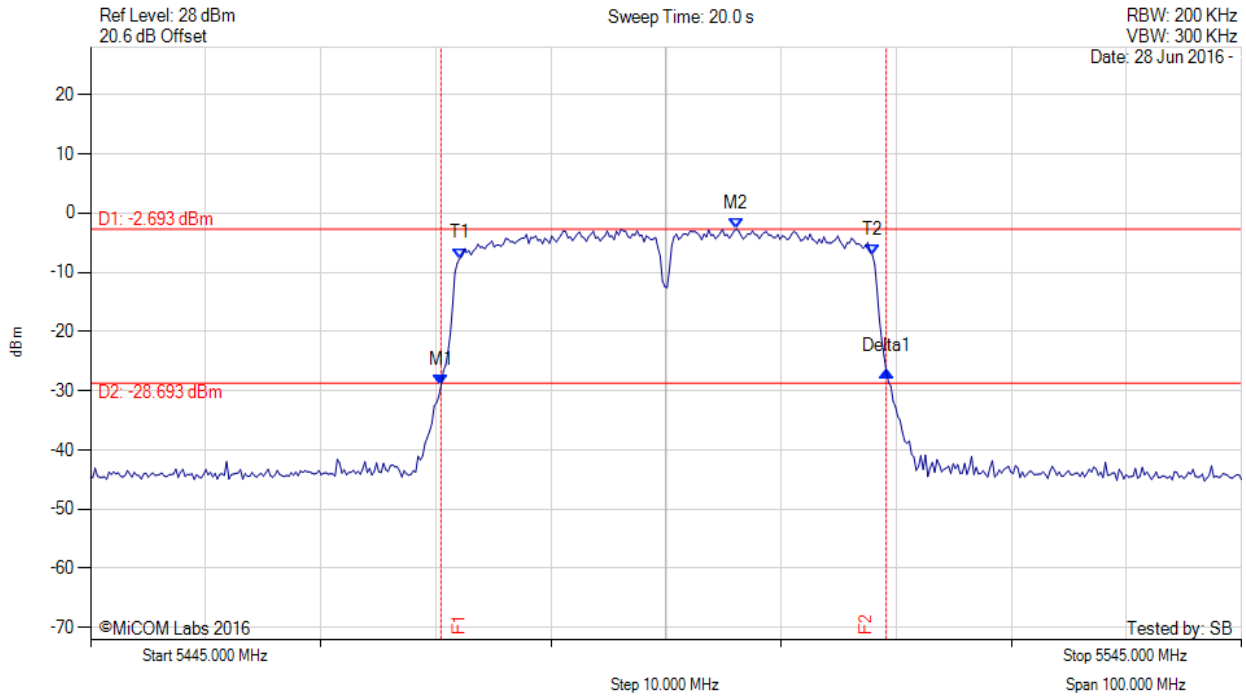


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5699.930 MHz : -27.064 dBm M2 : 5714.960 MHz : -0.822 dBm Delta1 : 19.940 MHz : 1.686 dB T1 : 5701.132 MHz : -5.669 dBm T2 : 5718.768 MHz : -5.813 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5495.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

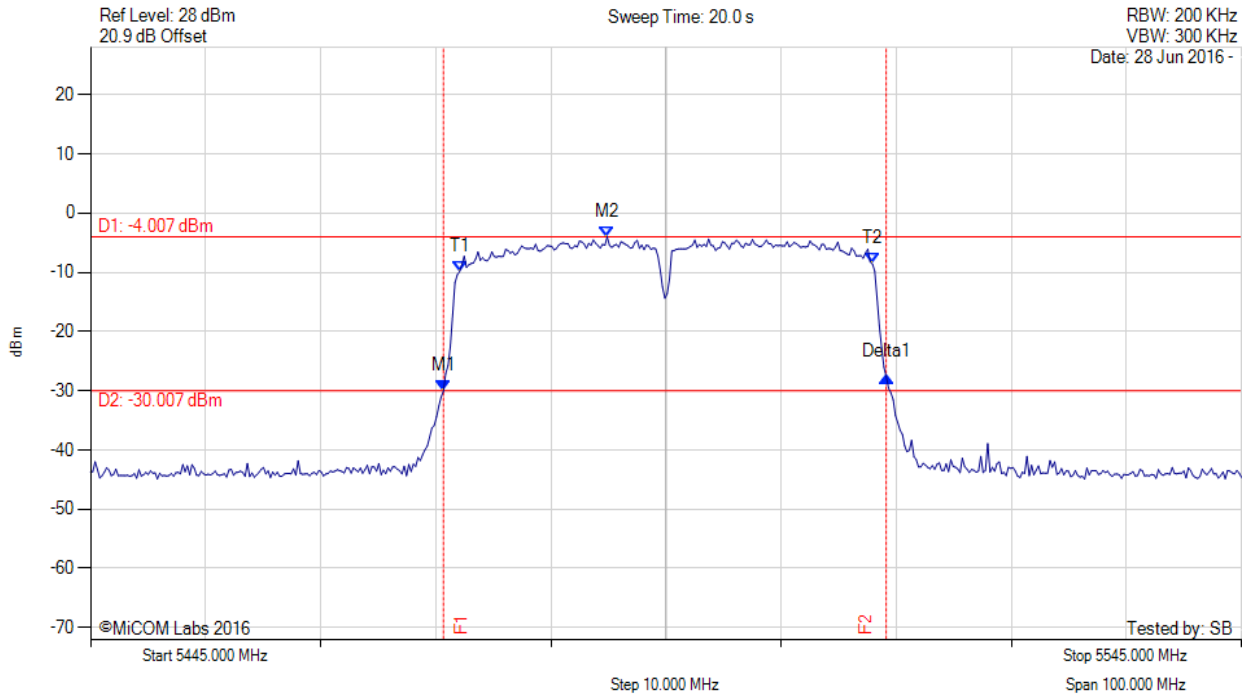


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5475.461 MHz : -29.122 dBm M2 : 5501.112 MHz : -2.693 dBm Delta1 : 38.677 MHz : 2.481 dB T1 : 5477.064 MHz : -7.672 dBm T2 : 5512.936 MHz : -7.111 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5495.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

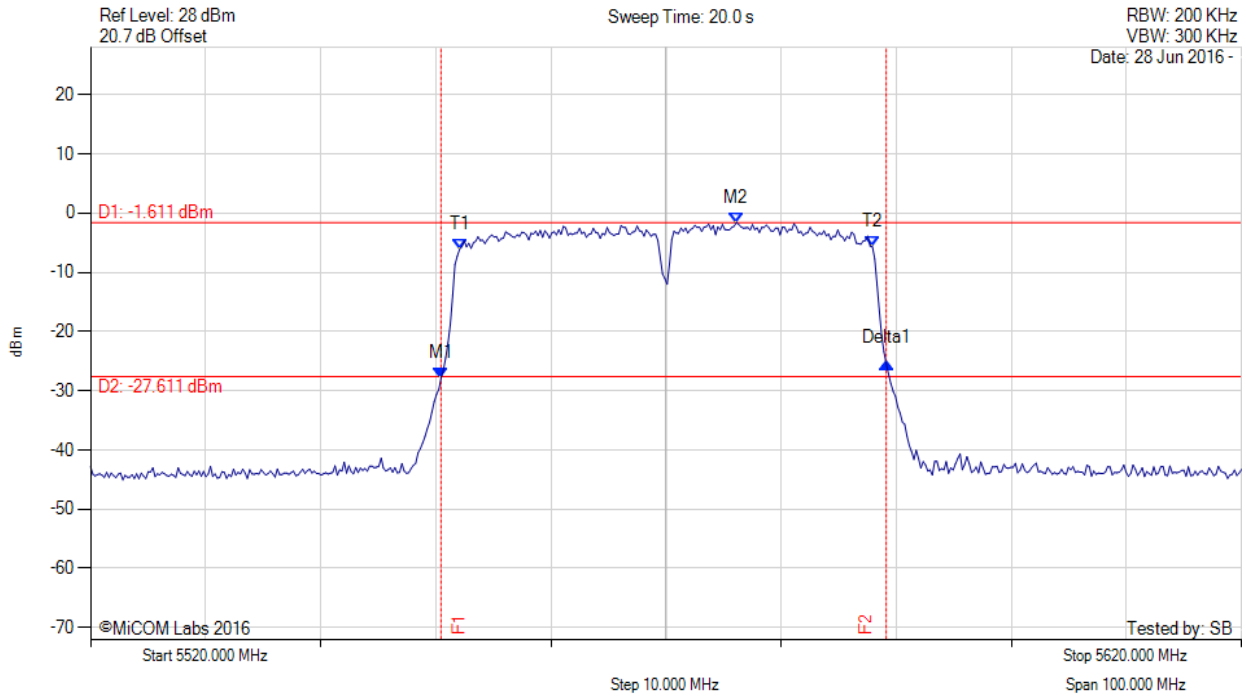


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5475.661 MHz : -30.084 dBm M2 : 5489.890 MHz : -4.007 dBm Delta1 : 38.477 MHz : 2.506 dB T1 : 5477.064 MHz : -9.899 dBm T2 : 5512.936 MHz : -8.581 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.477 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5570.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

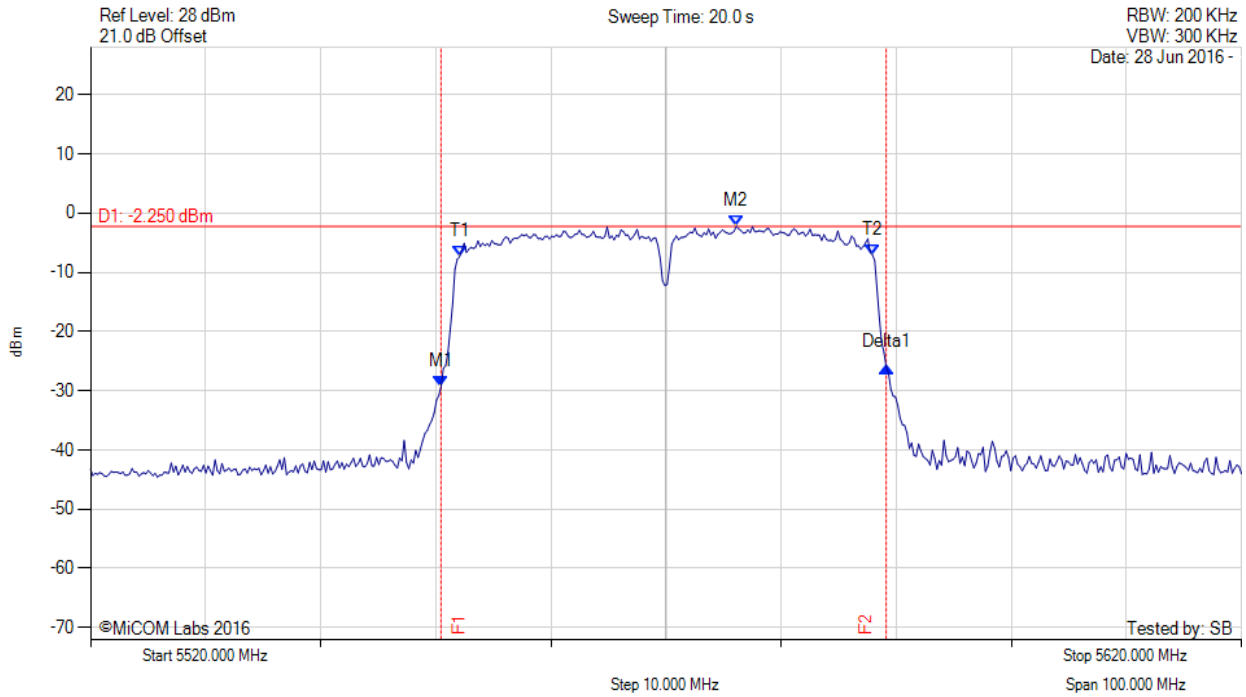


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5550.461 MHz : -27.841 dBm M2 : 5576.112 MHz : -1.611 dBm Delta1 : 38.677 MHz : 2.428 dB T1 : 5552.064 MHz : -6.126 dBm T2 : 5587.936 MHz : -5.695 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5570.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

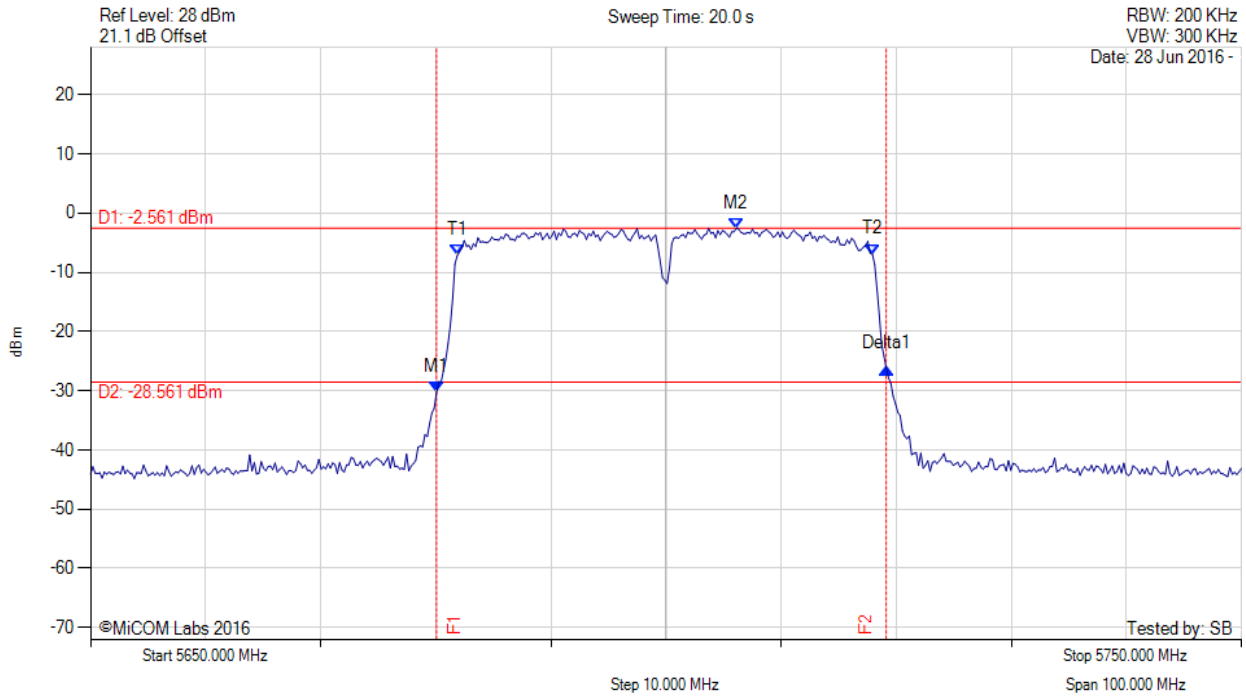


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5550.461 MHz : -29.285 dBm M2 : 5576.112 MHz : -2.250 dBm Delta1 : 38.677 MHz : 3.323 dB T1 : 5552.064 MHz : -7.361 dBm T2 : 5587.936 MHz : -7.058 dBm OBW : 35.872 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 35.872 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5700.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

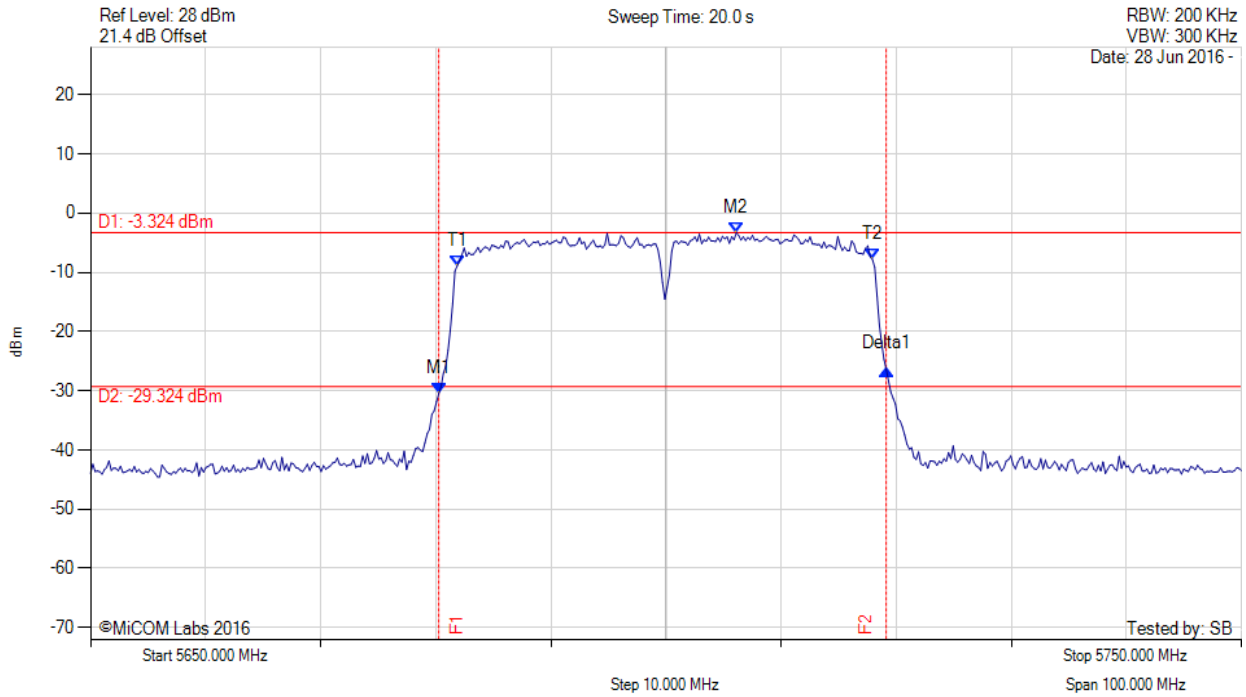


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5680.060 MHz : -30.261 dBm M2 : 5706.112 MHz : -2.561 dBm Delta1 : 39.078 MHz : 4.029 dB T1 : 5681.864 MHz : -7.149 dBm T2 : 5717.936 MHz : -6.960 dBm OBW : 36.072 MHz	Measured 26 dB Bandwidth: 39.078 MHz Measured 99% Bandwidth: 36.072 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5700.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

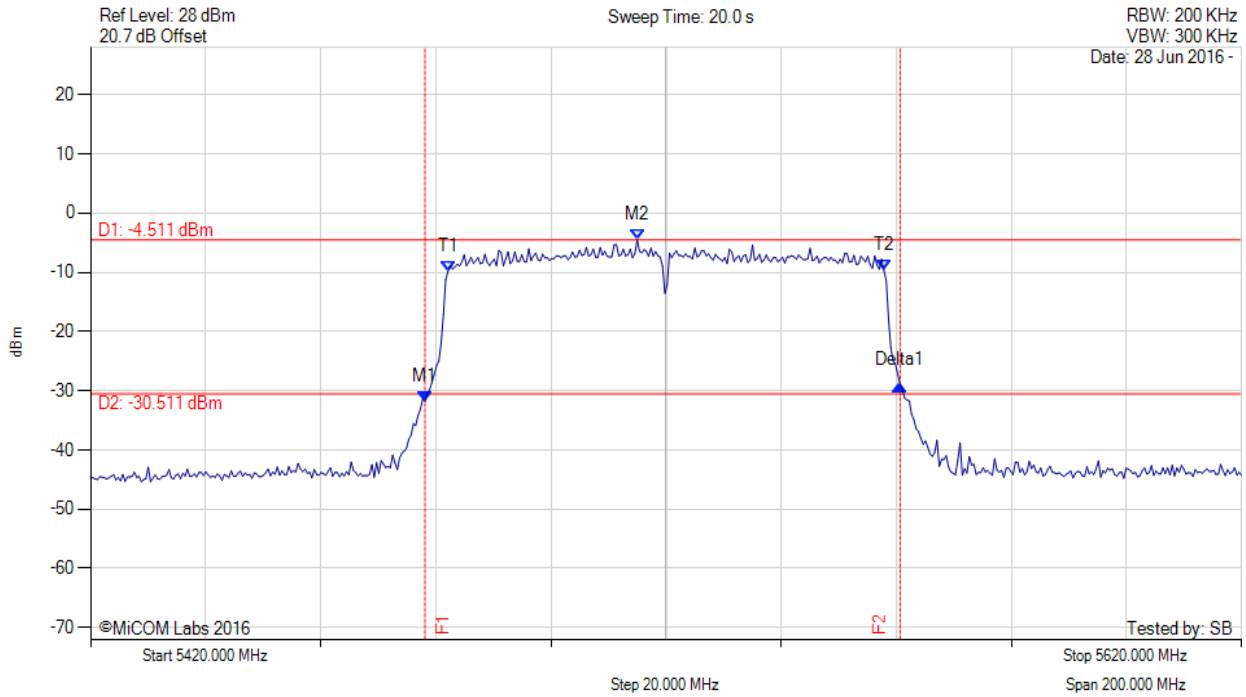


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5680.261 MHz : -30.466 dBm M2 : 5706.112 MHz : -3.324 dBm Delta1 : 38.878 MHz : 4.102 dB T1 : 5681.864 MHz : -8.870 dBm T2 : 5717.936 MHz : -7.833 dBm OBW : 36.072 MHz	Measured 26 dB Bandwidth: 38.878 MHz Measured 99% Bandwidth: 36.072 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5520.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

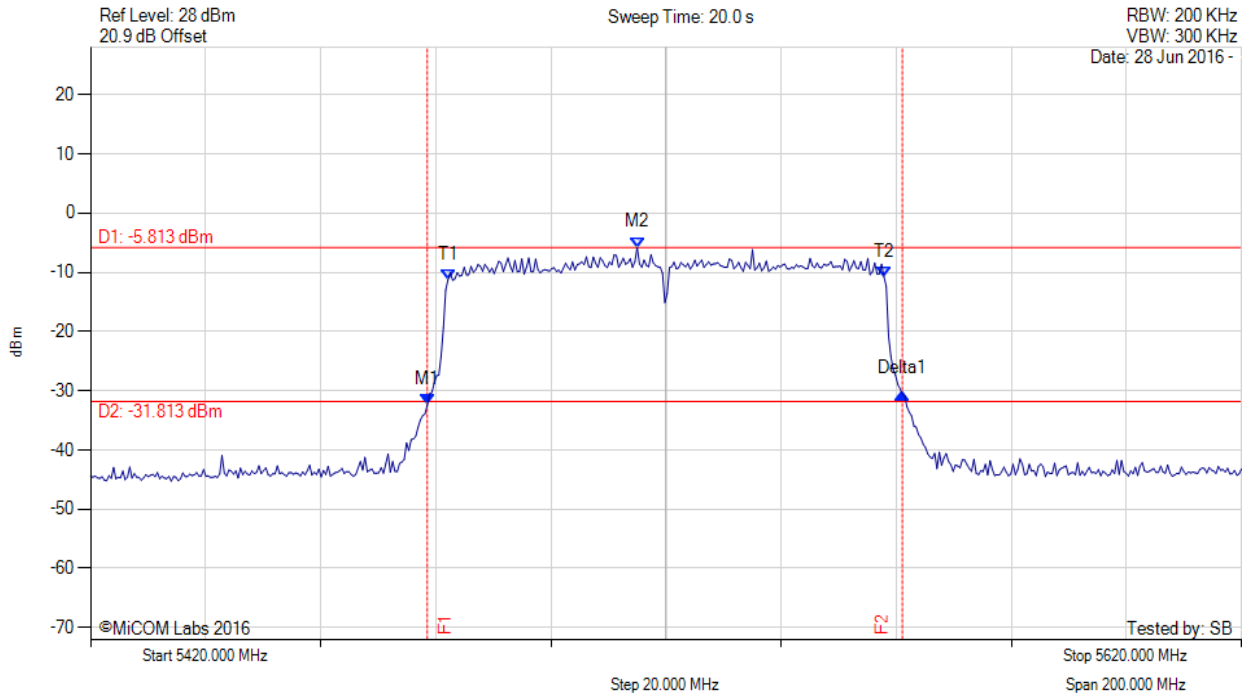


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5478.116 MHz : -31.782 dBm M2 : 5514.990 MHz : -4.511 dBm Delta1 : 82.565 MHz : 2.794 dB T1 : 5482.124 MHz : -9.815 dBm T2 : 5557.876 MHz : -9.712 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 82.565 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5520.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

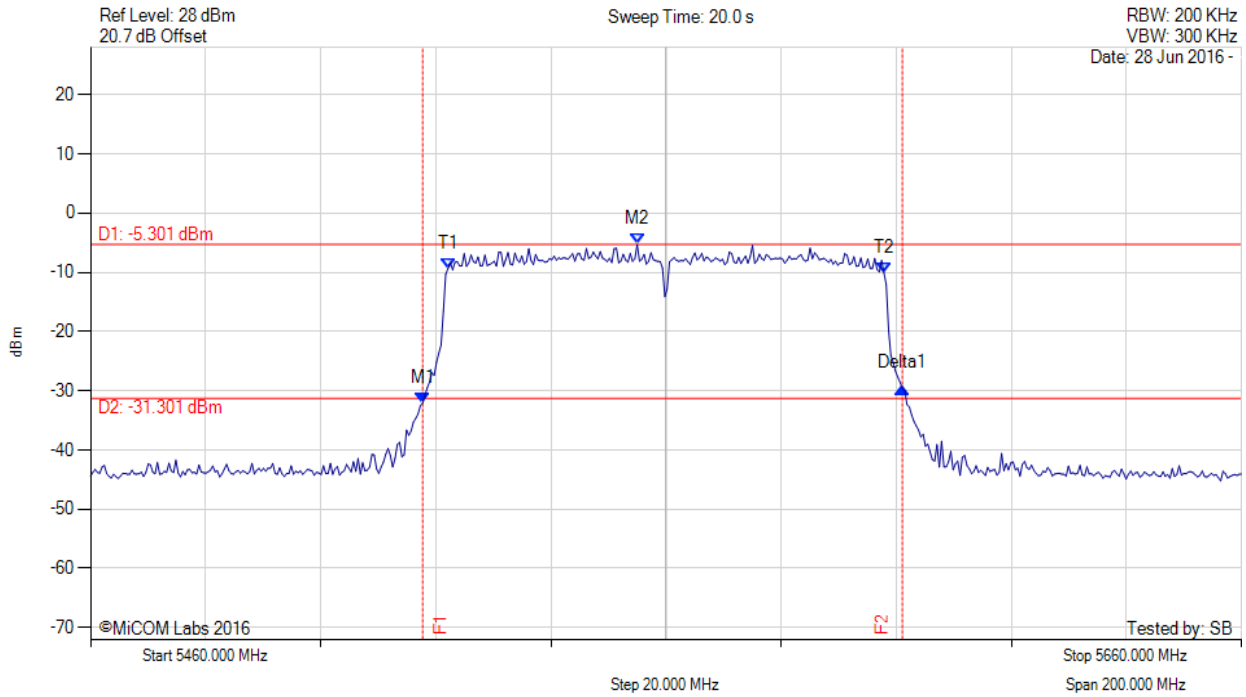


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5478.517 MHz : -32.406 dBm M2 : 5514.990 MHz : -5.813 dBm Delta1 : 82.565 MHz : 1.902 dB T1 : 5482.124 MHz : -11.209 dBm T2 : 5557.876 MHz : -10.739 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 82.565 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5560.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

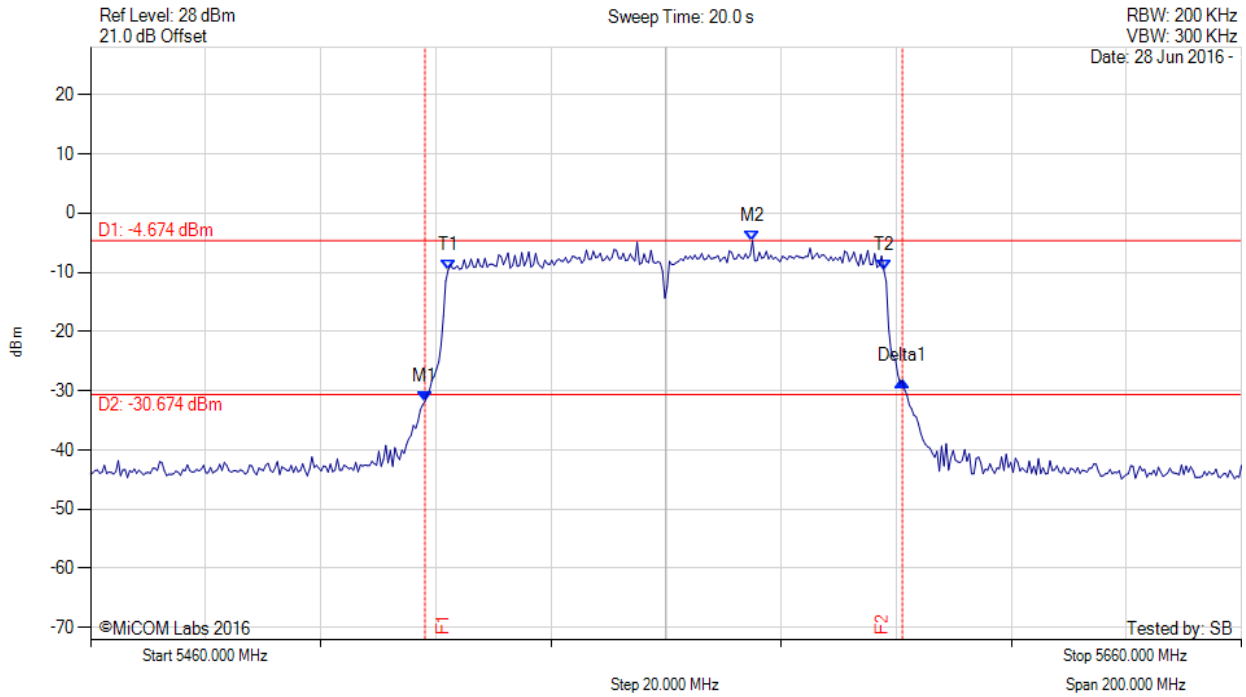


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5517.715 MHz : -32.077 dBm M2 : 5554.990 MHz : -5.301 dBm Delta1 : 83.367 MHz : 2.487 dB T1 : 5522.124 MHz : -9.331 dBm T2 : 5597.876 MHz : -10.098 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5560.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

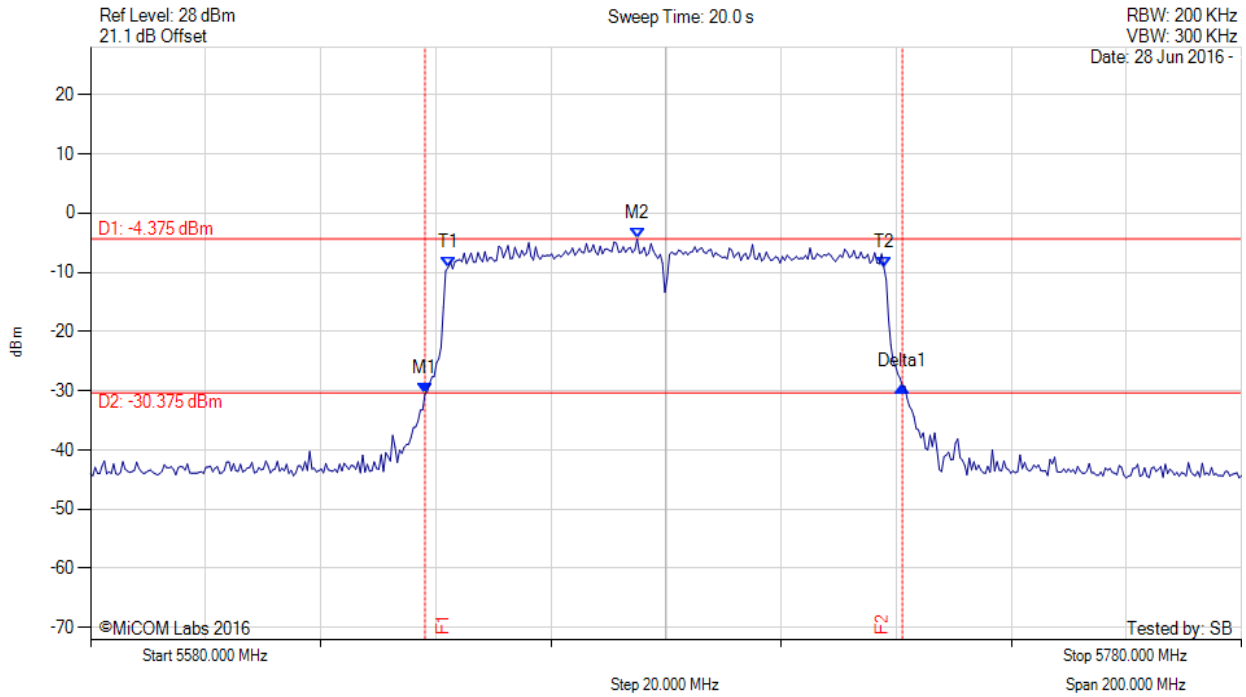


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5518.116 MHz : -31.762 dBm M2 : 5575.030 MHz : -4.674 dBm Delta1 : 82.966 MHz : 3.437 dB T1 : 5522.124 MHz : -9.712 dBm T2 : 5597.876 MHz : -9.710 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 82.966 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5680.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

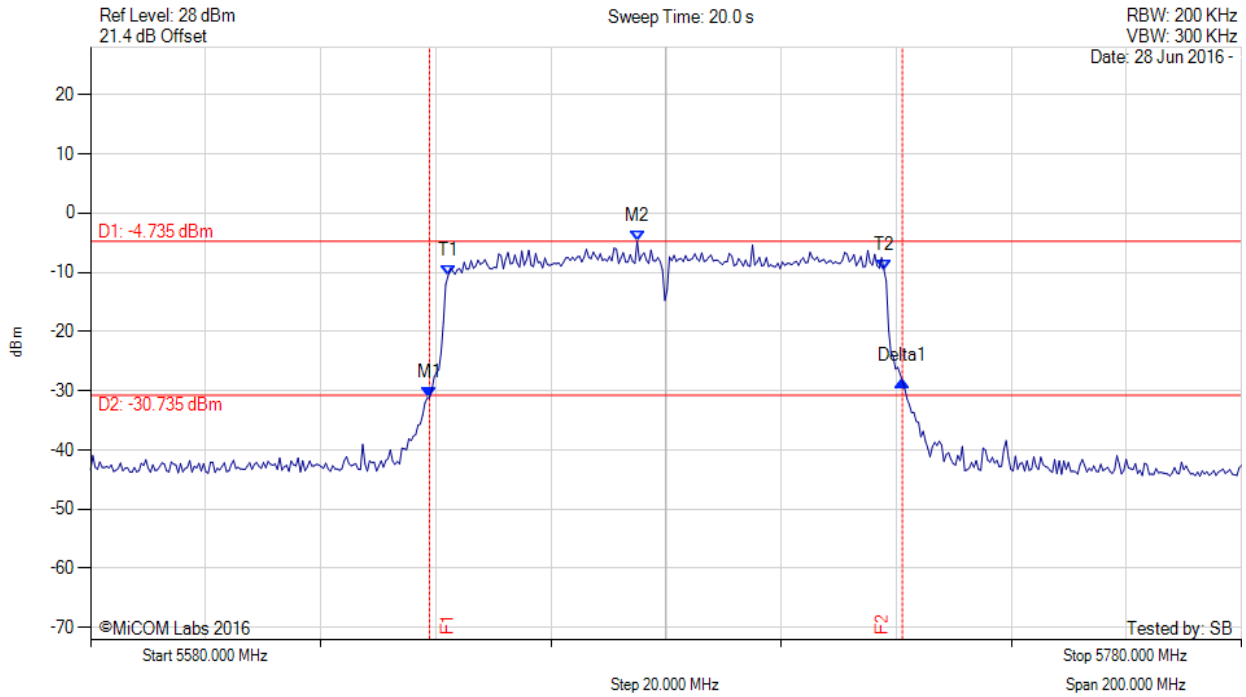


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5638.116 MHz : -30.523 dBm M2 : 5674.990 MHz : -4.375 dBm Delta1 : 82.966 MHz : 1.249 dB T1 : 5642.124 MHz : -9.211 dBm T2 : 5717.876 MHz : -9.195 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 82.966 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5680.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc



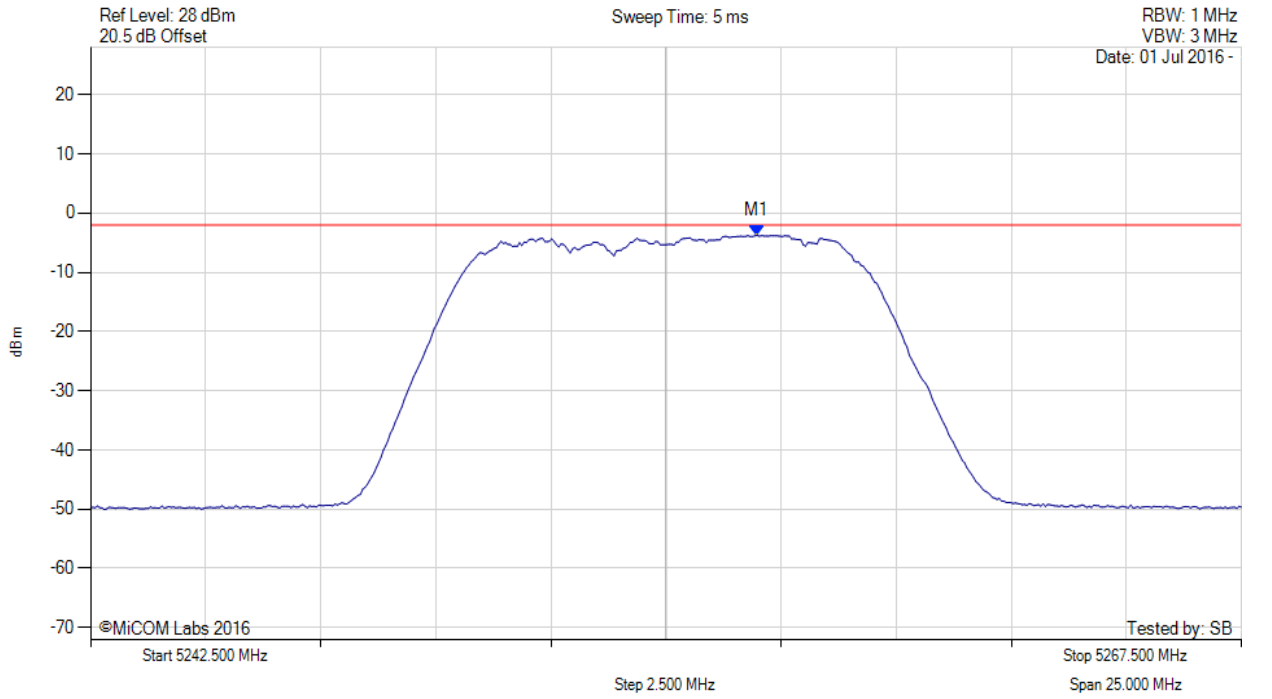
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5638.918 MHz : -31.192 dBm M2 : 5674.990 MHz : -4.735 dBm Delta1 : 82.164 MHz : 2.823 dB T1 : 5642.124 MHz : -10.643 dBm T2 : 5717.876 MHz : -9.555 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 82.164 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

A.2. Power Spectral Density

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5255.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

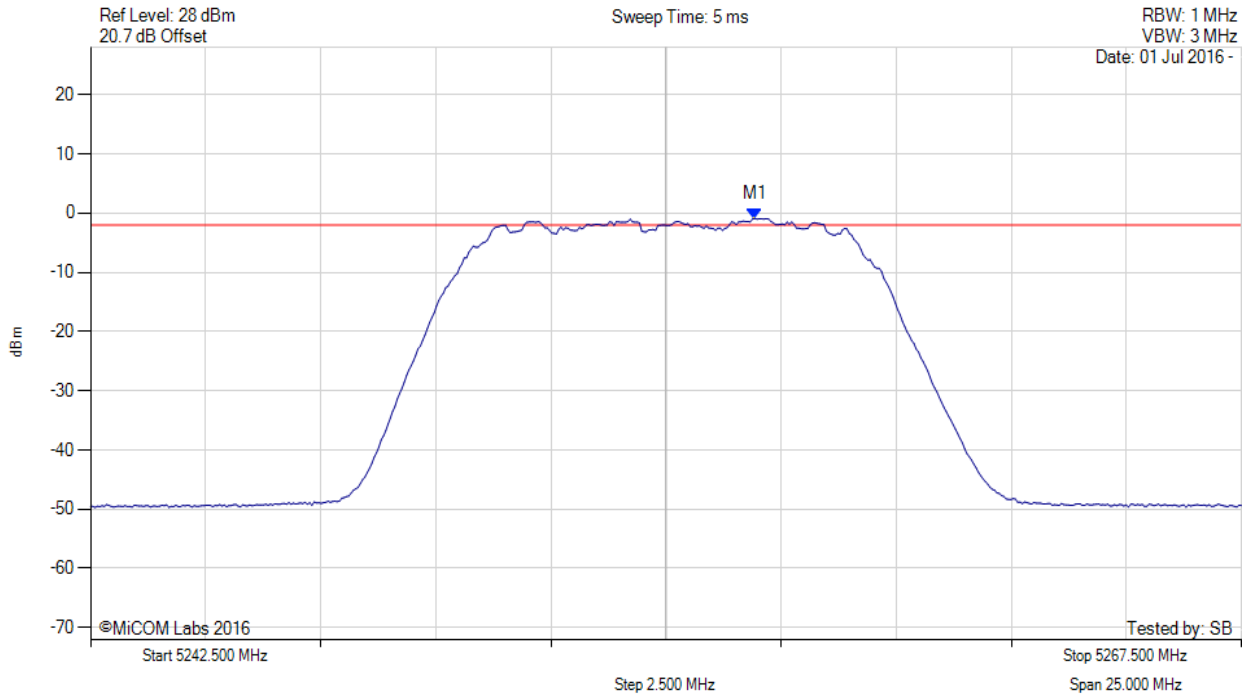


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.979 MHz : -3.755 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5255.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

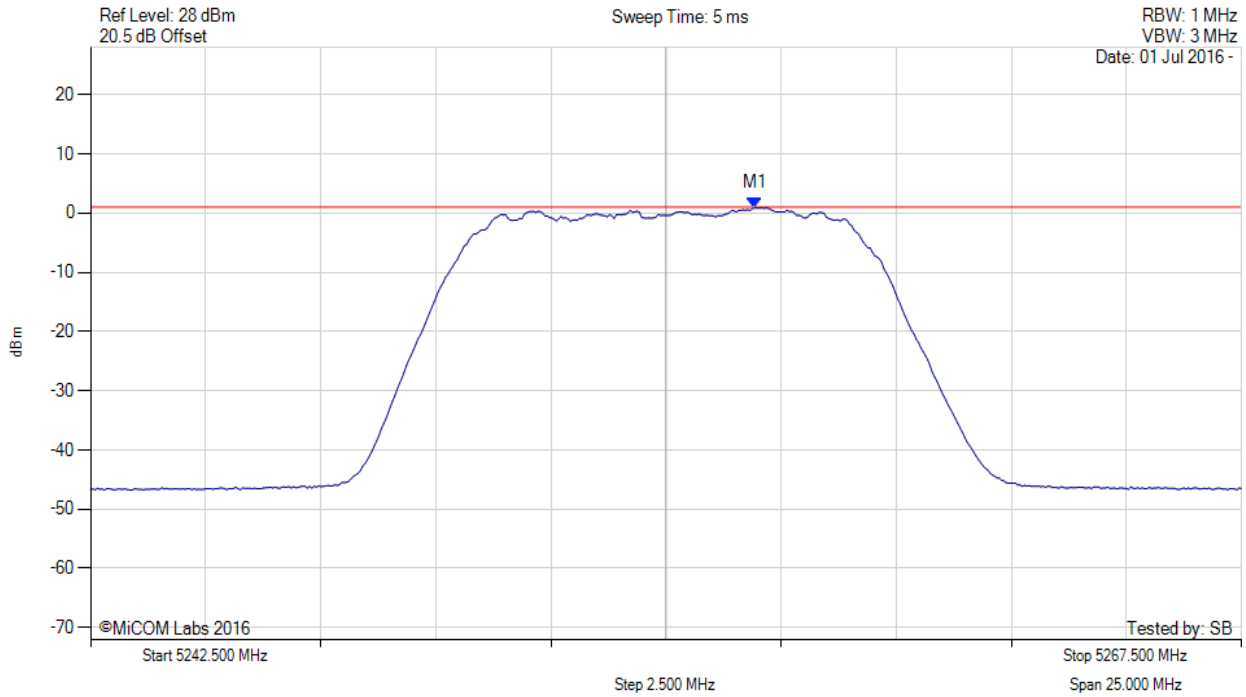


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.929 MHz : -0.912 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5255.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

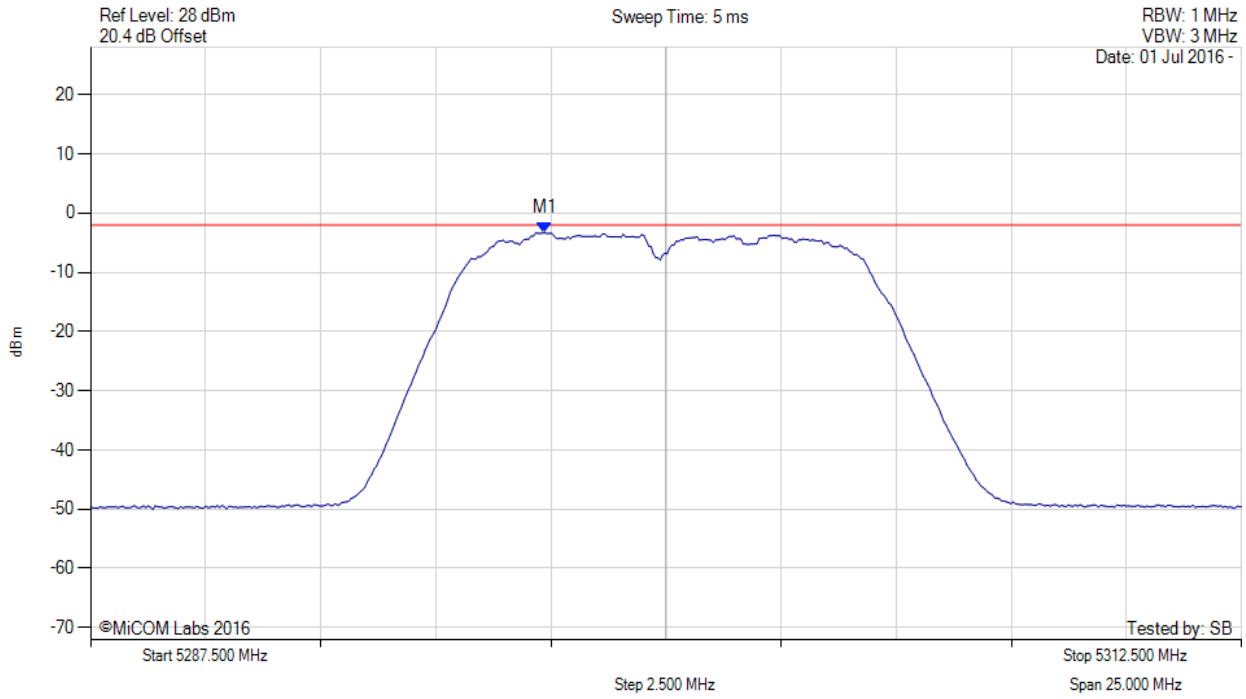


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.900 MHz : 0.884 dBm M1 + DCCF : 5256.900 MHz : 0.958 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 1.0 dBm Margin: -0.1 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

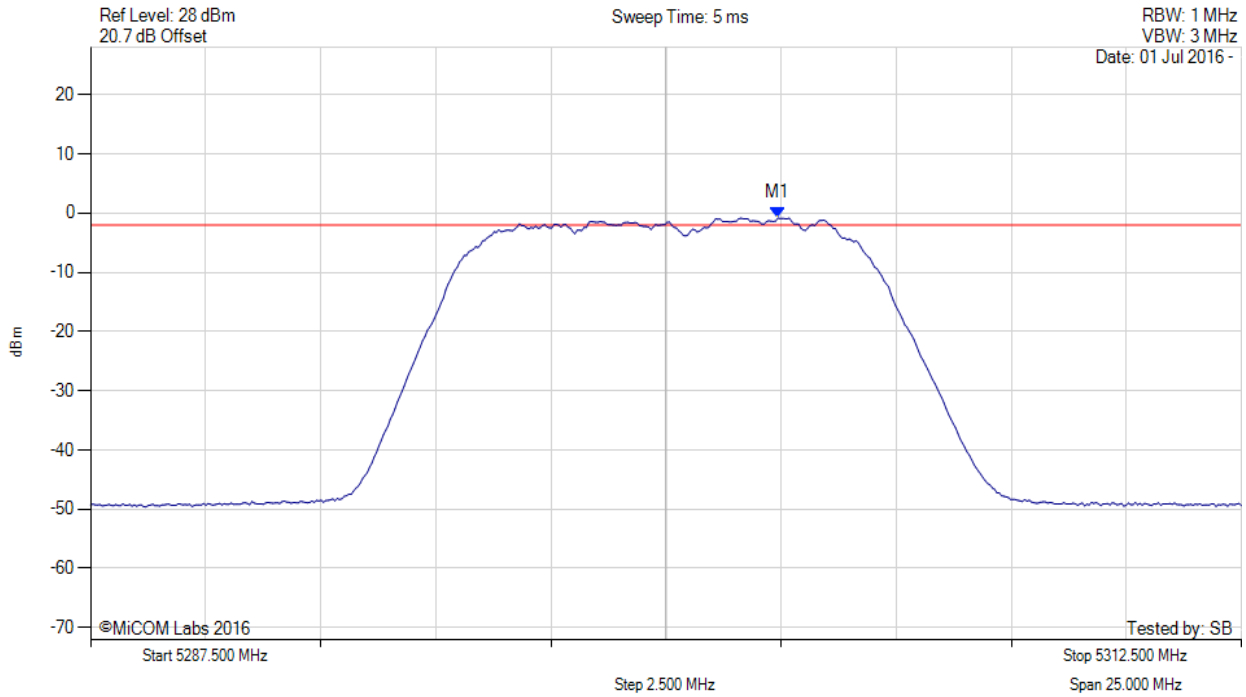


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.370 MHz : -3.327 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

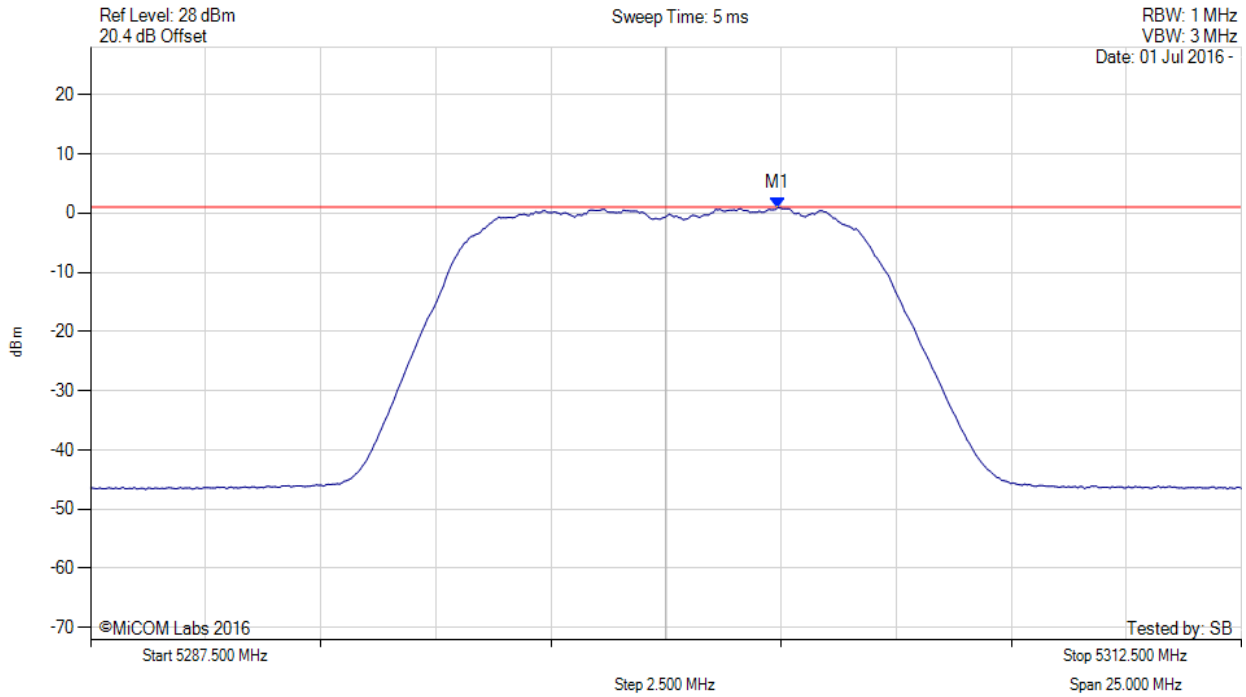


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5302.430 MHz : -0.835 dBm	Channel Frequency: 5300.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

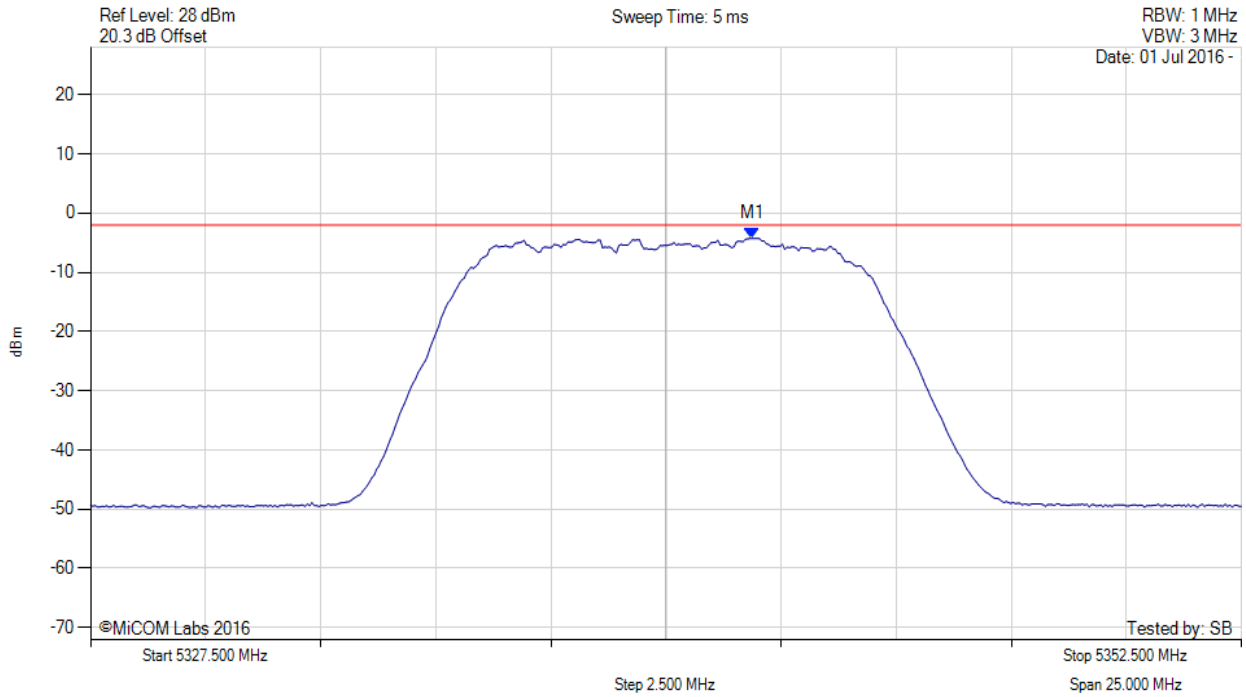


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5302.400 MHz : 0.922 dBm M1 + DCCF : 5302.400 MHz : 0.996 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 1.0 dBm Margin: 0.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5340.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

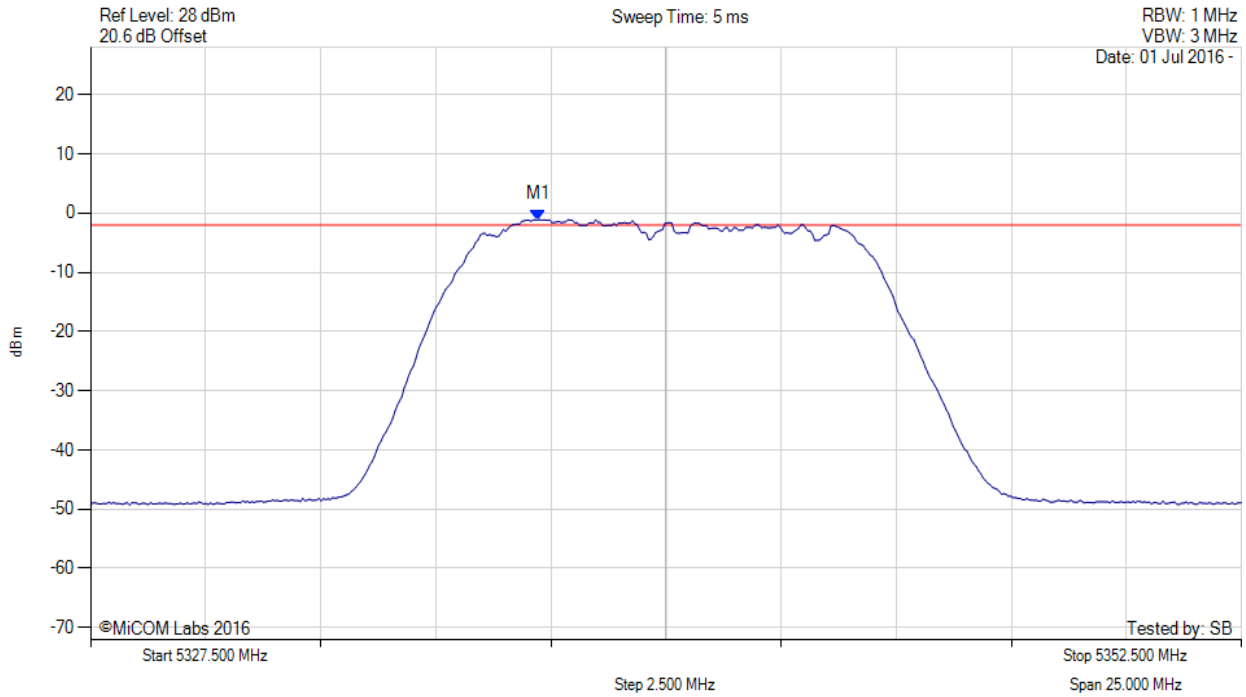


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5341.879 MHz : -4.253 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5340.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

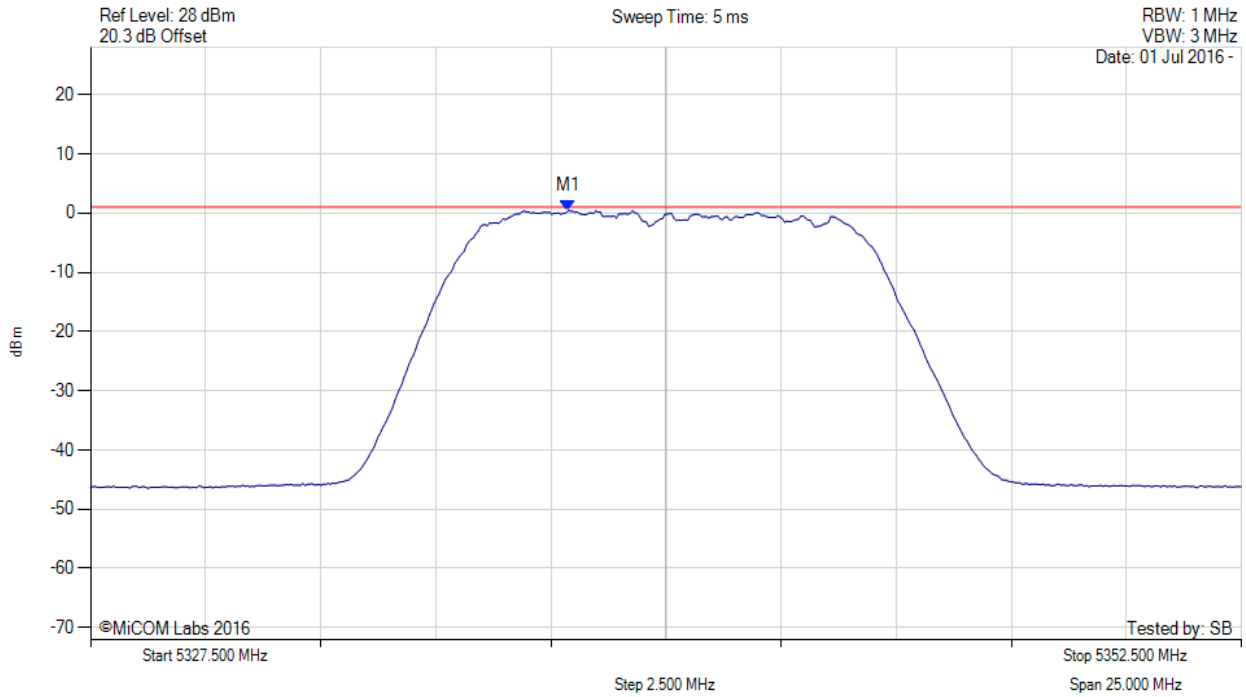


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5337.219 MHz : -1.117 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5340.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

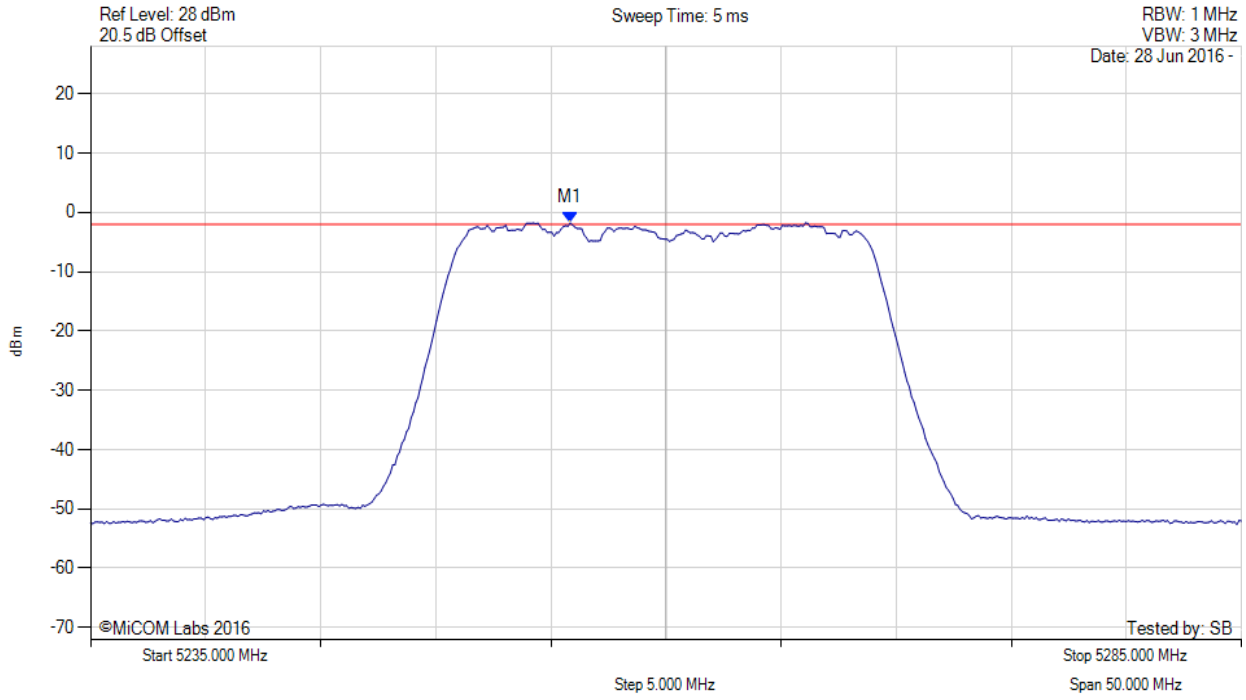


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5337.900 MHz : 0.407 dBm M1 + DCCF : 5337.900 MHz : 0.481 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 1.0 dBm Margin: -0.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

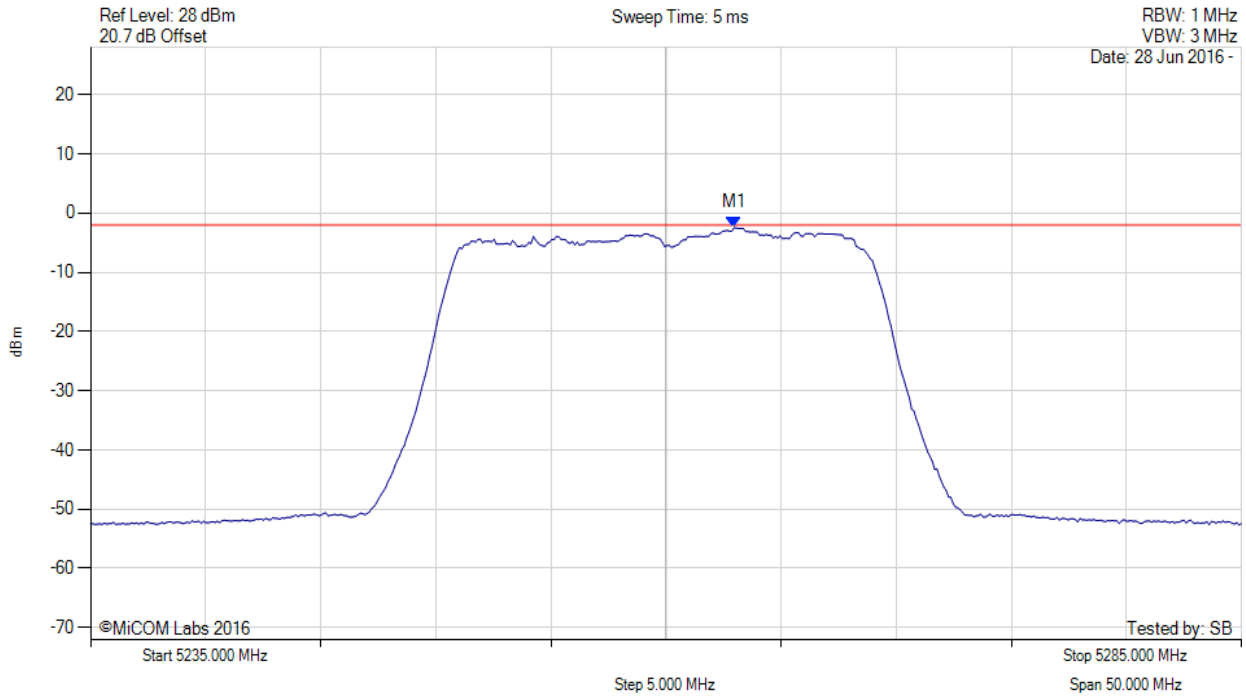


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5255.842 MHz : -1.772 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

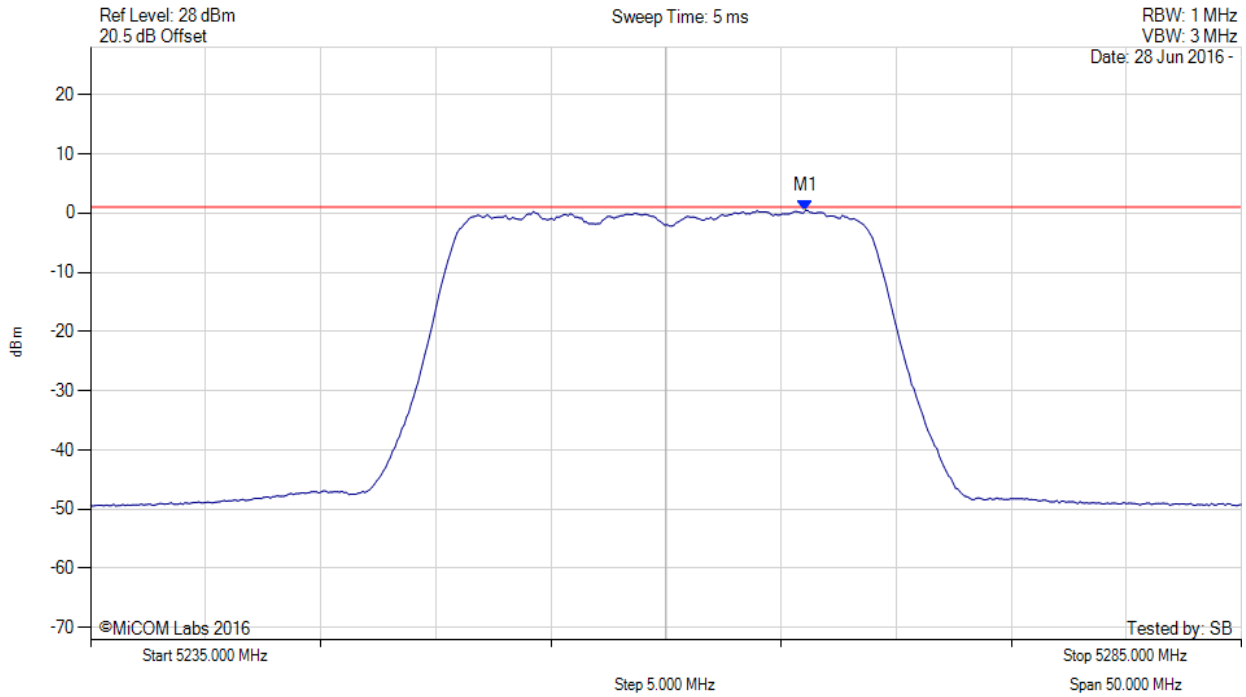


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5262.956 MHz : -2.477 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

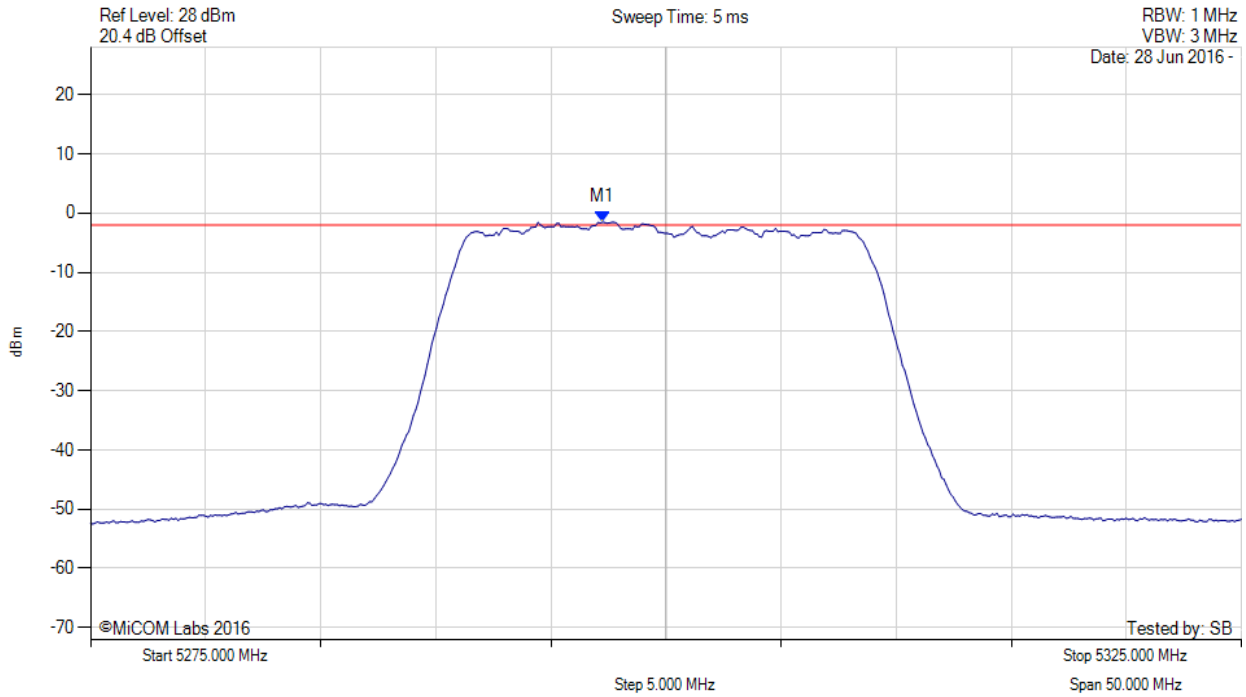


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5266.100 MHz : 0.468 dBm M1 + DCCF : 5266.100 MHz : 0.542 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 1.0 dBm Margin: -0.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

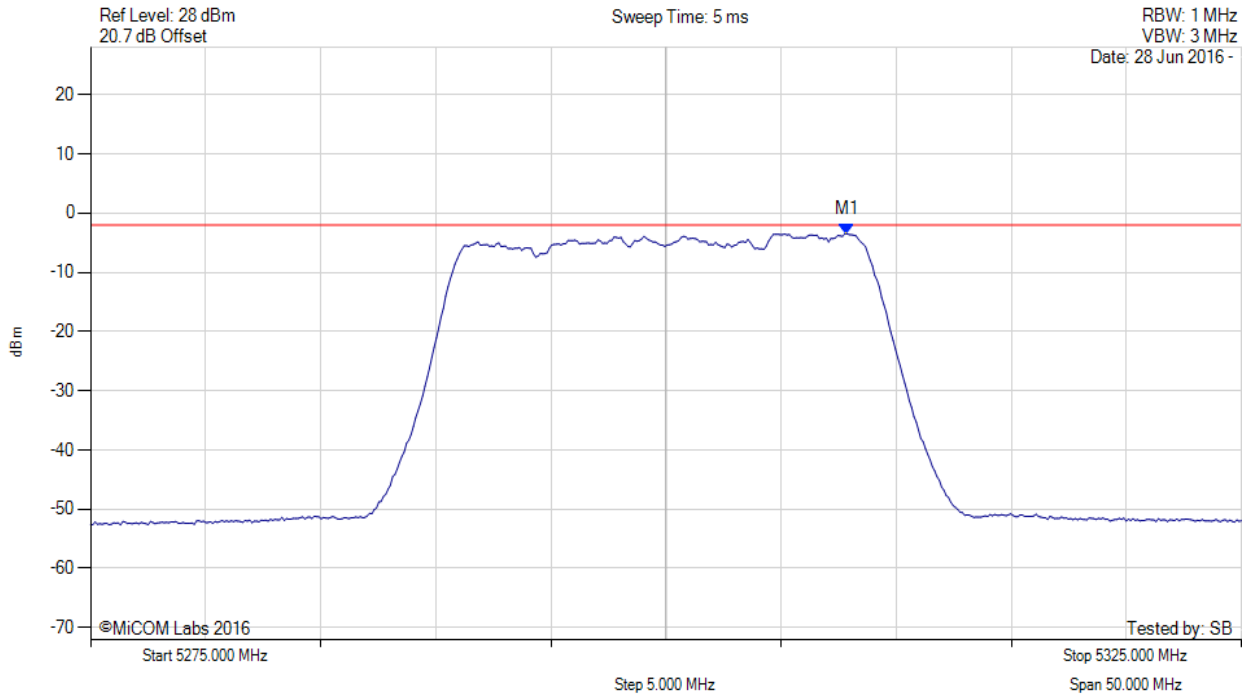


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.244 MHz : -1.529 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

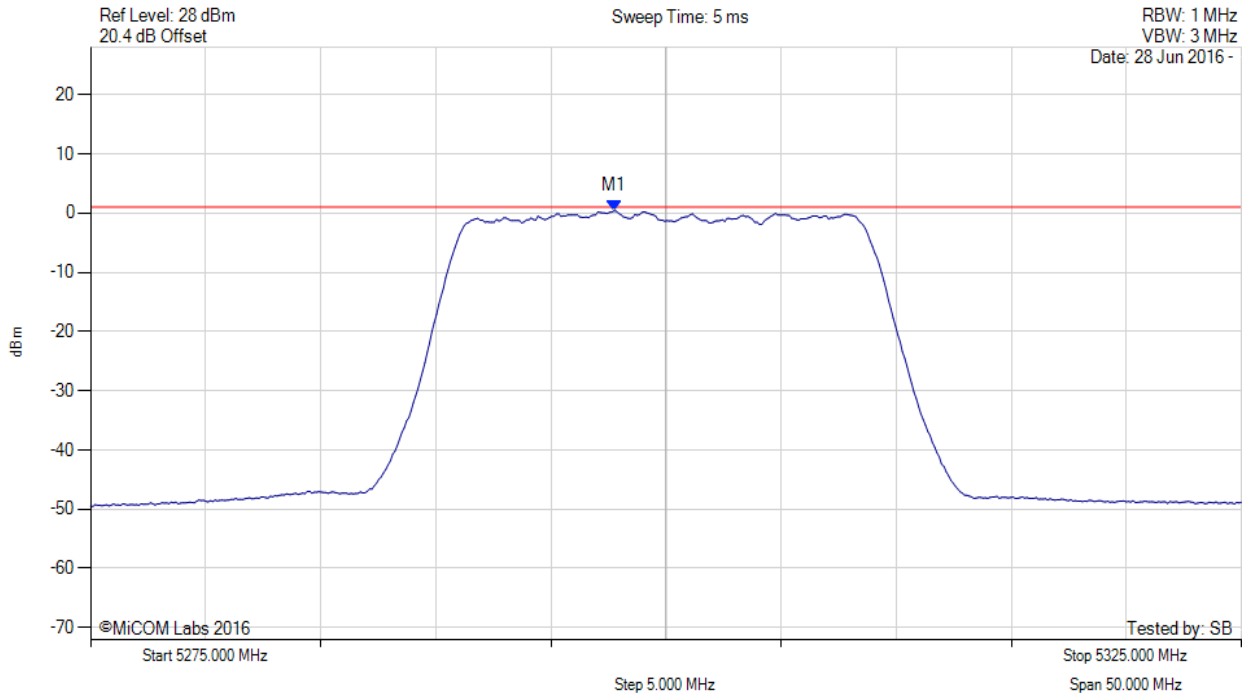


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.866 MHz : -3.493 dBm	Channel Frequency: 5300.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

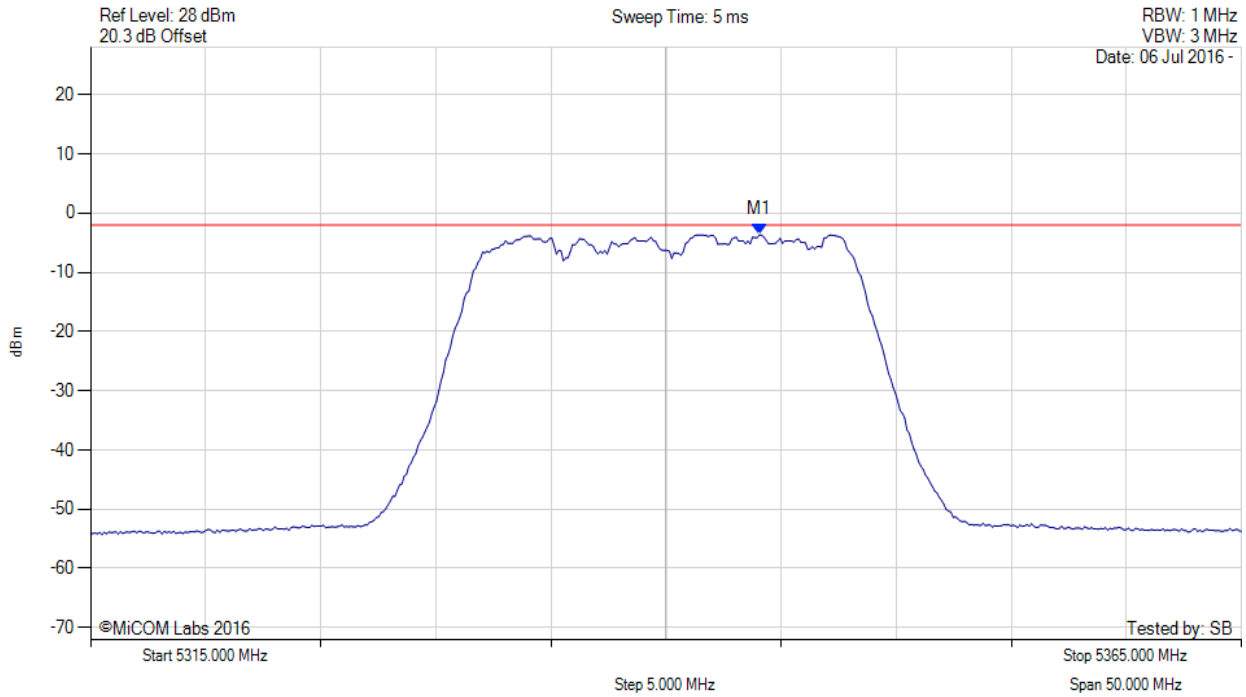


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.700 MHz : 0.388 dBm M1 + DCCF : 5297.700 MHz : 0.462 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 1.0 dBm Margin: -0.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5340.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

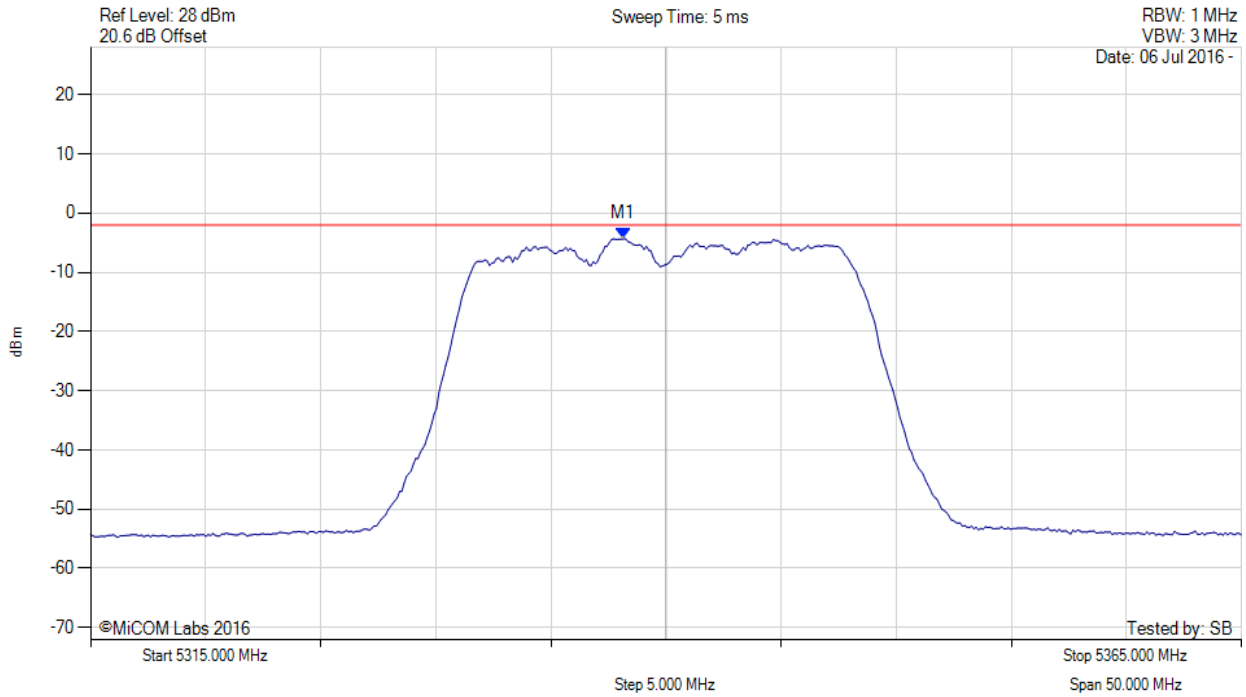


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5344.058 MHz : -3.671 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5340.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

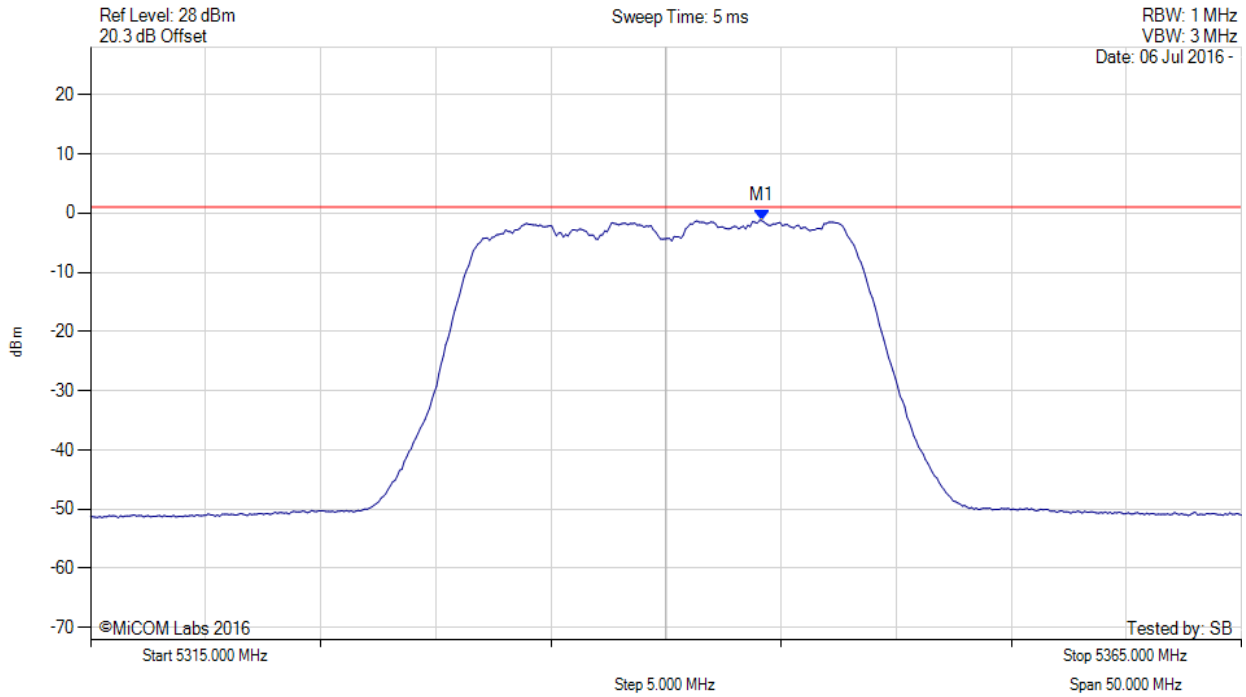


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5338.146 MHz : -4.339 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5340.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

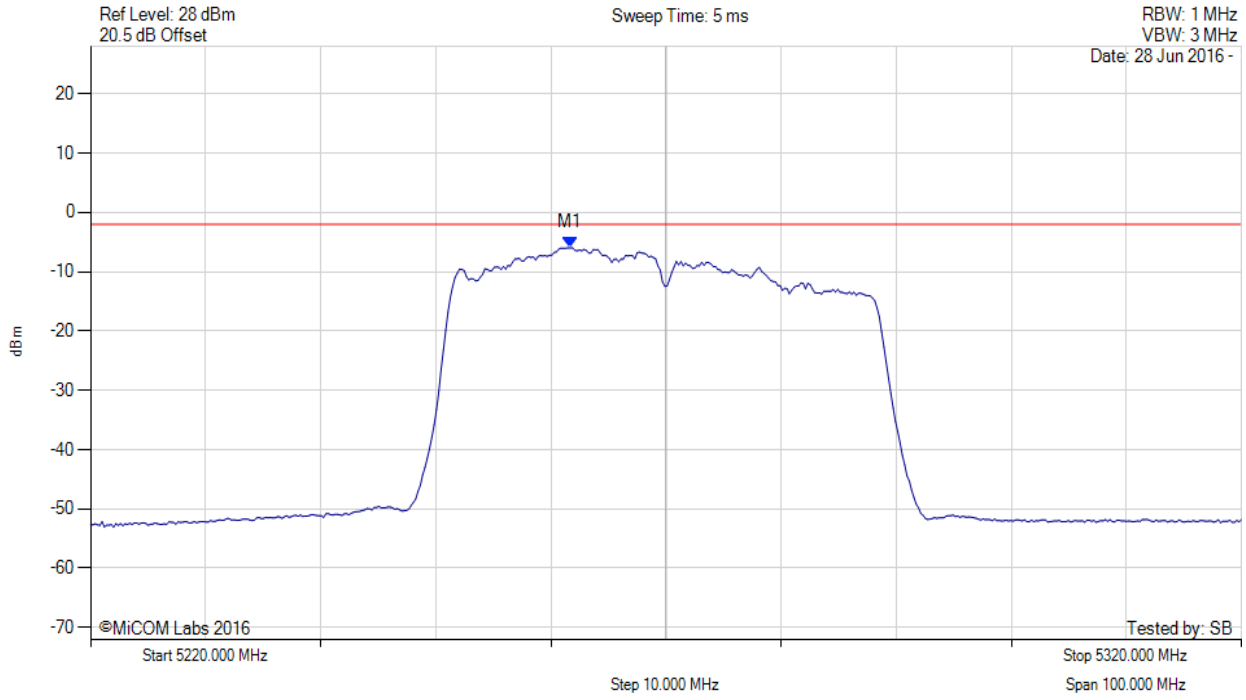


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5344.200 MHz : -1.269 dBm M1 + DCCF : 5344.200 MHz : -1.195 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 1.0 dBm Margin: -2.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

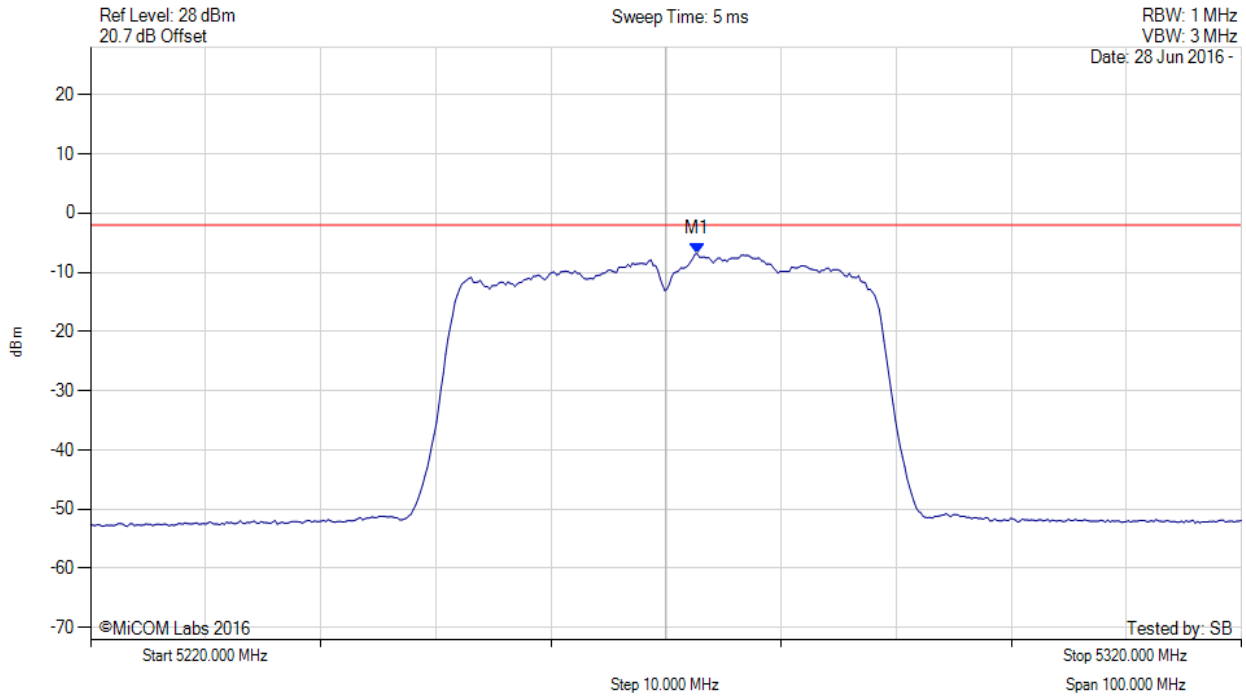


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5261.683 MHz : -5.965 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5270.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

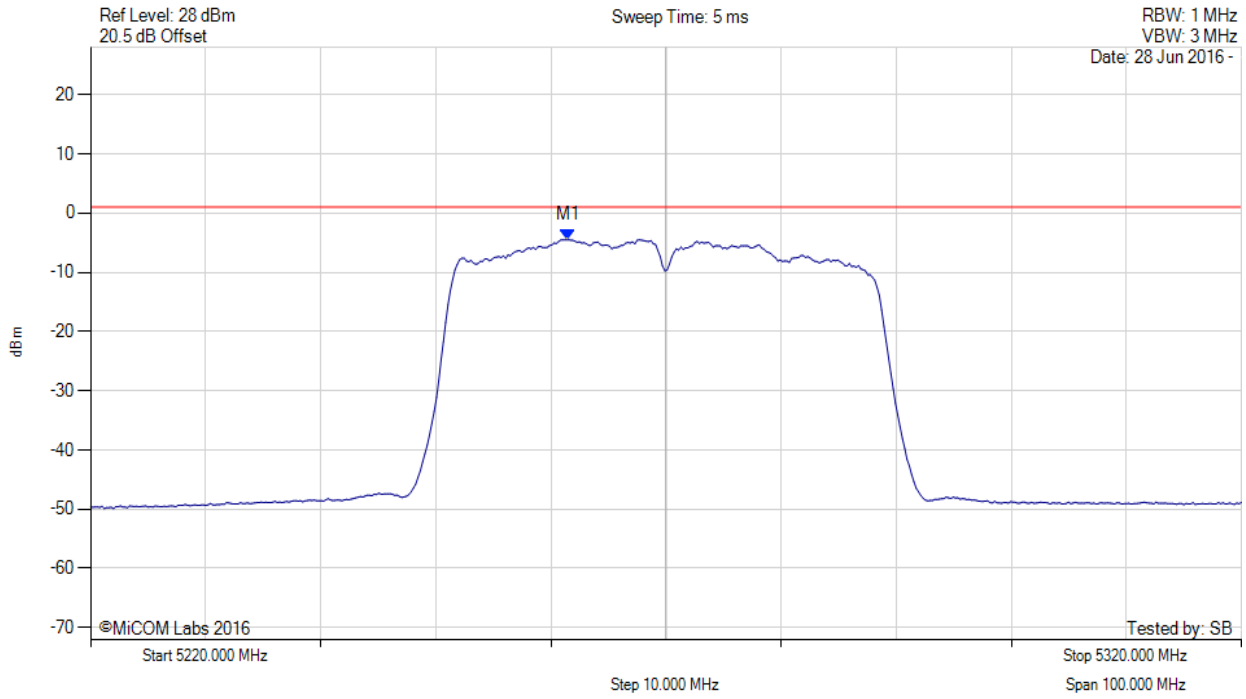


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5272.705 MHz : -6.846 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5270.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

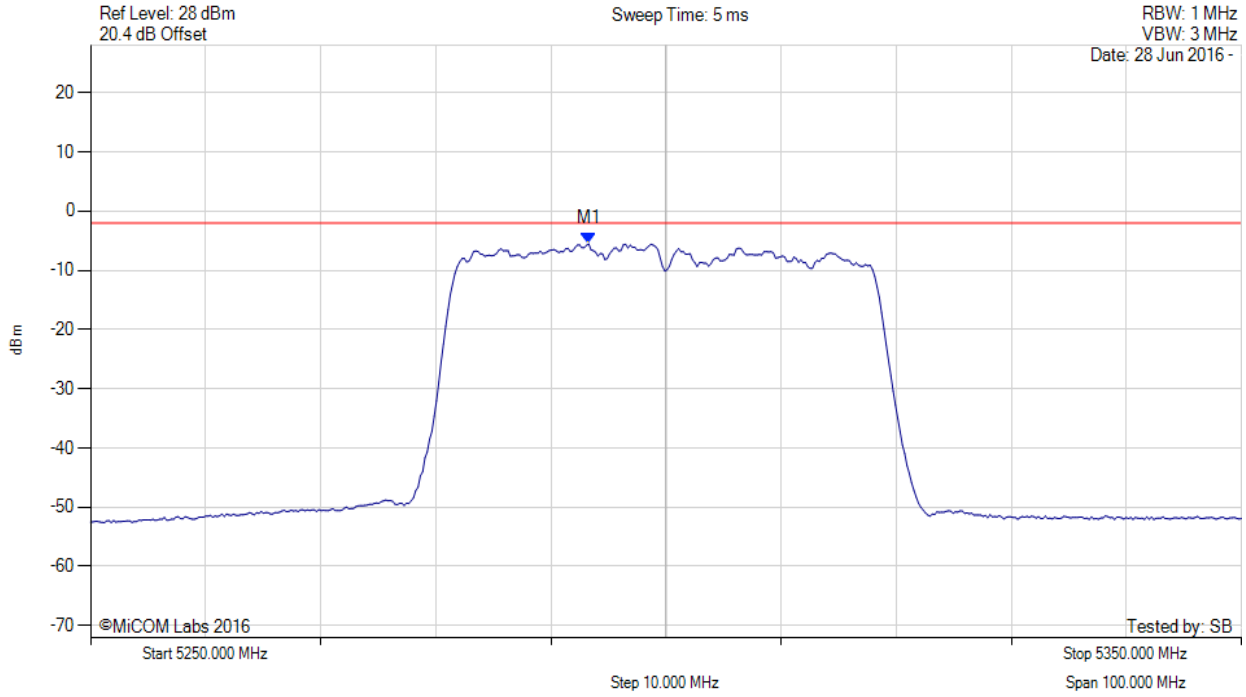


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5261.500 MHz : -4.488 dBm M1 + DCCF : 5261.500 MHz : -4.311 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 1.0 dBm Margin: -5.3 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

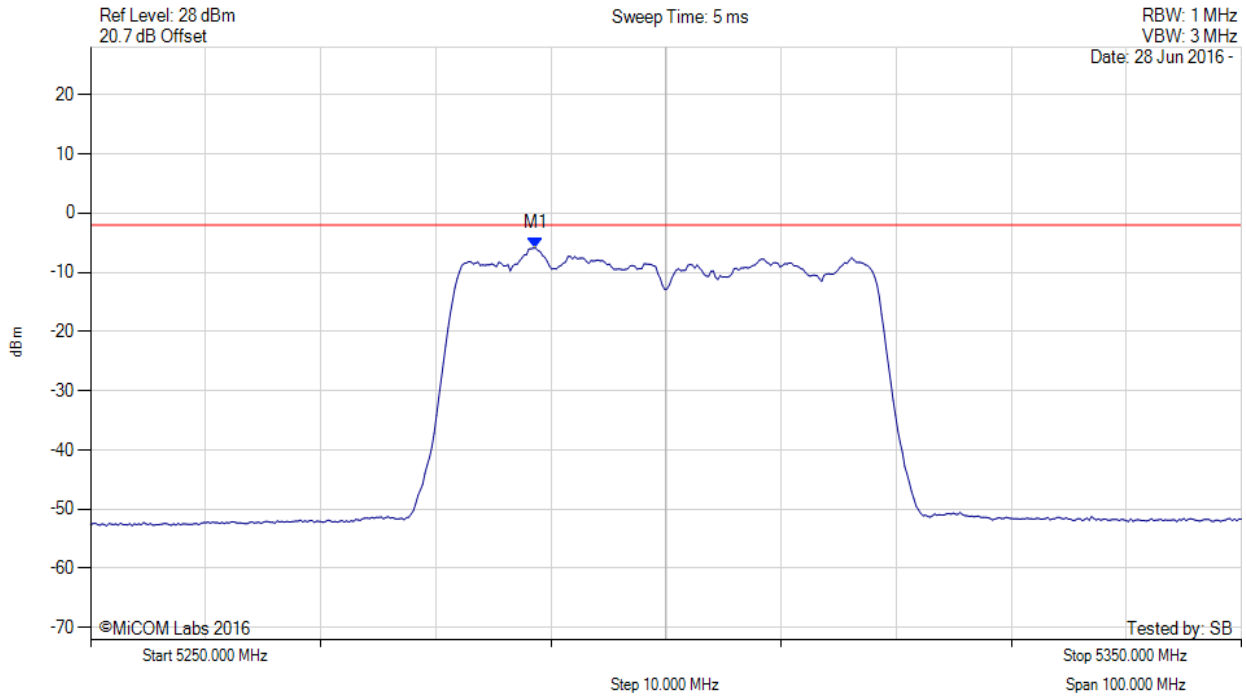


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5293.287 MHz : -5.530 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

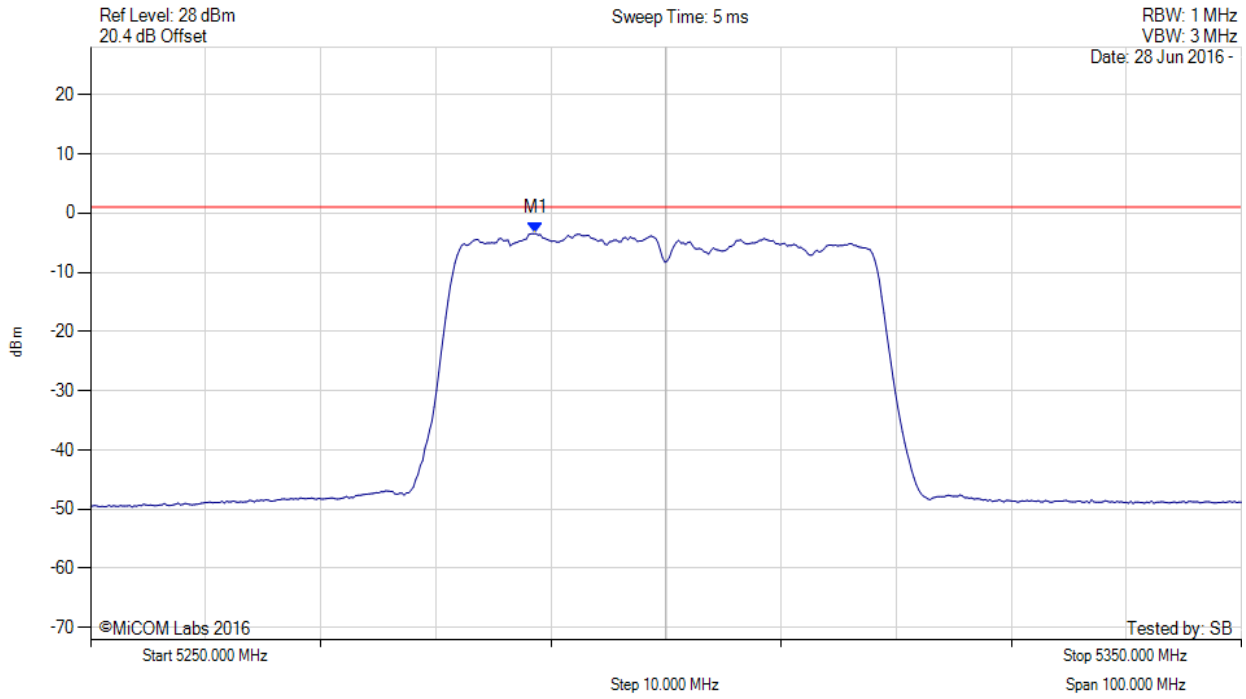


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5288.677 MHz : -5.900 dBm	Channel Frequency: 5300.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

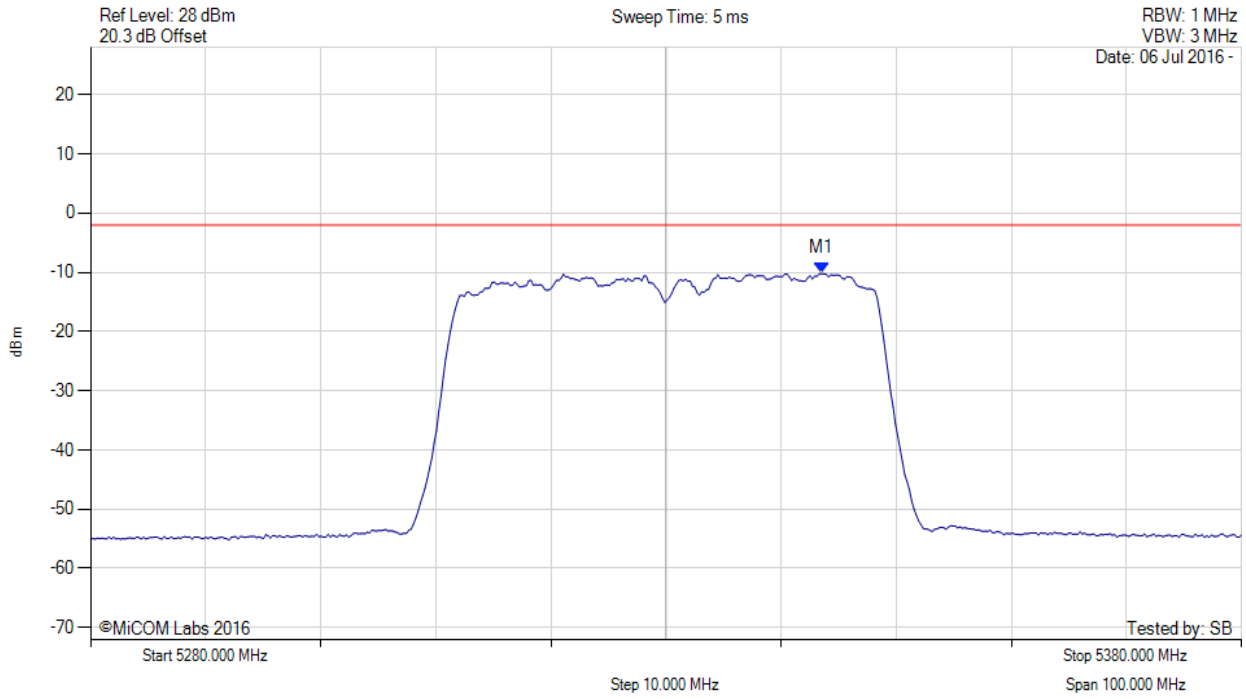


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5288.700 MHz : -3.438 dBm M1 + DCCF : 5288.700 MHz : -3.261 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 1.0 dBm Margin: -4.3 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5330.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

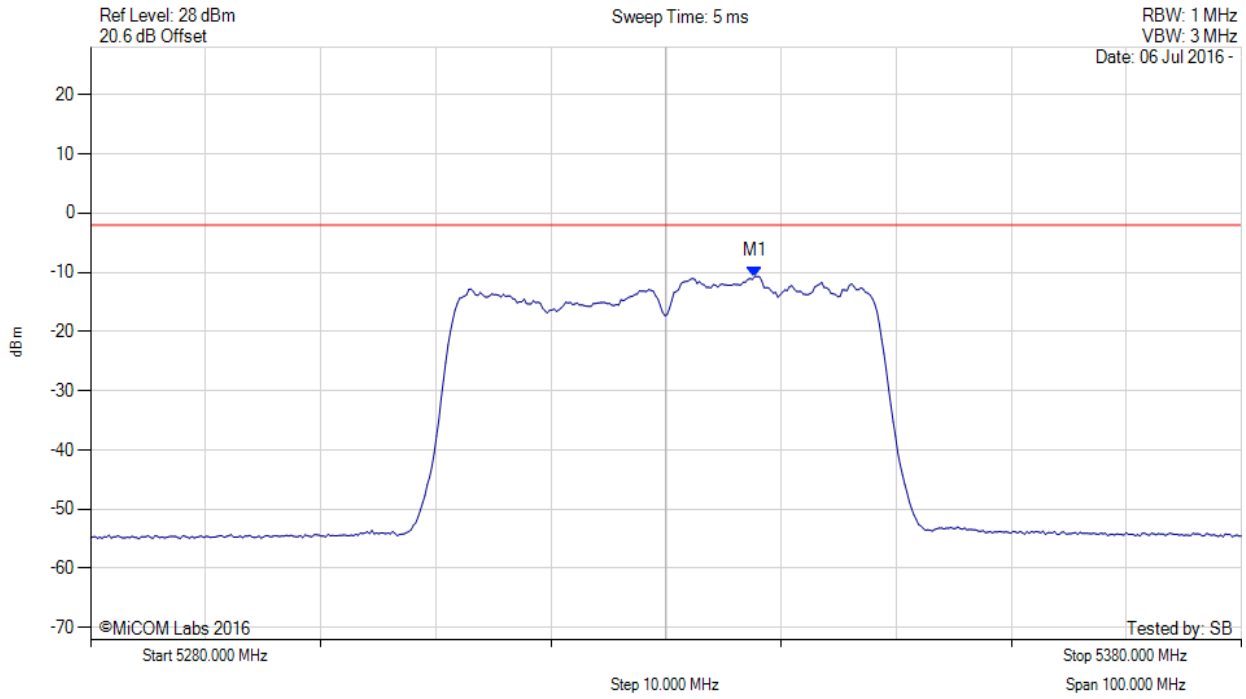


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5343.527 MHz : -10.223 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5330.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

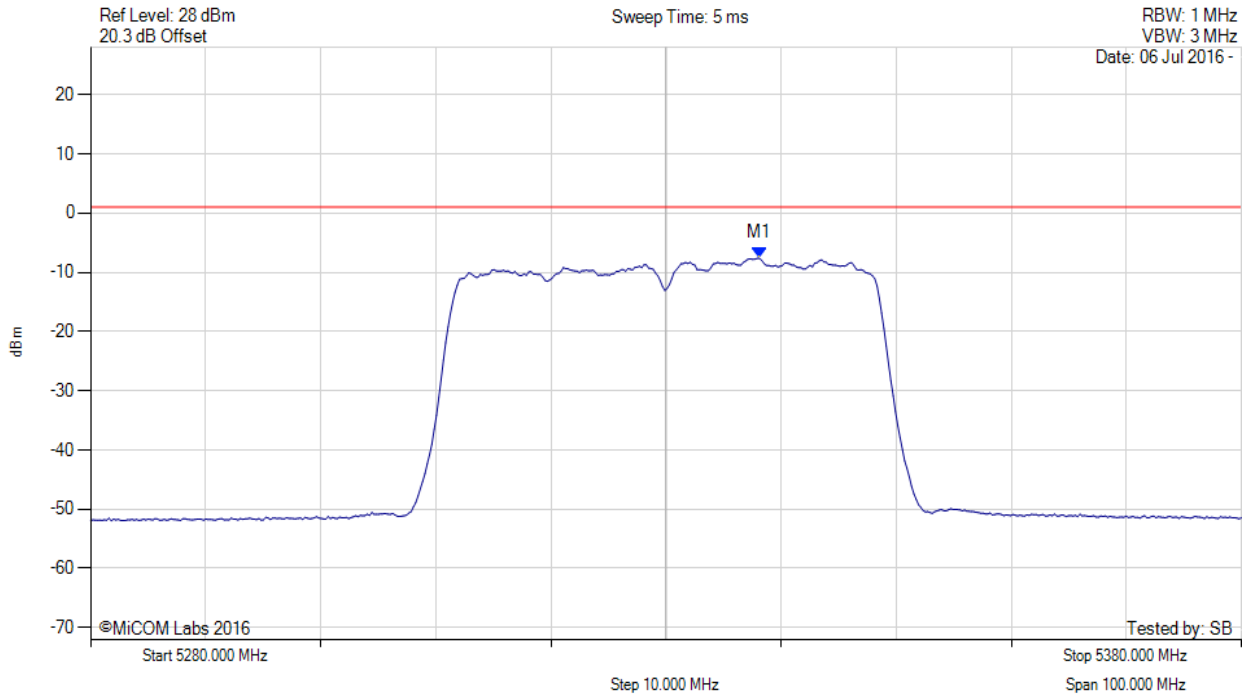


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5337.715 MHz : -10.700 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5330.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

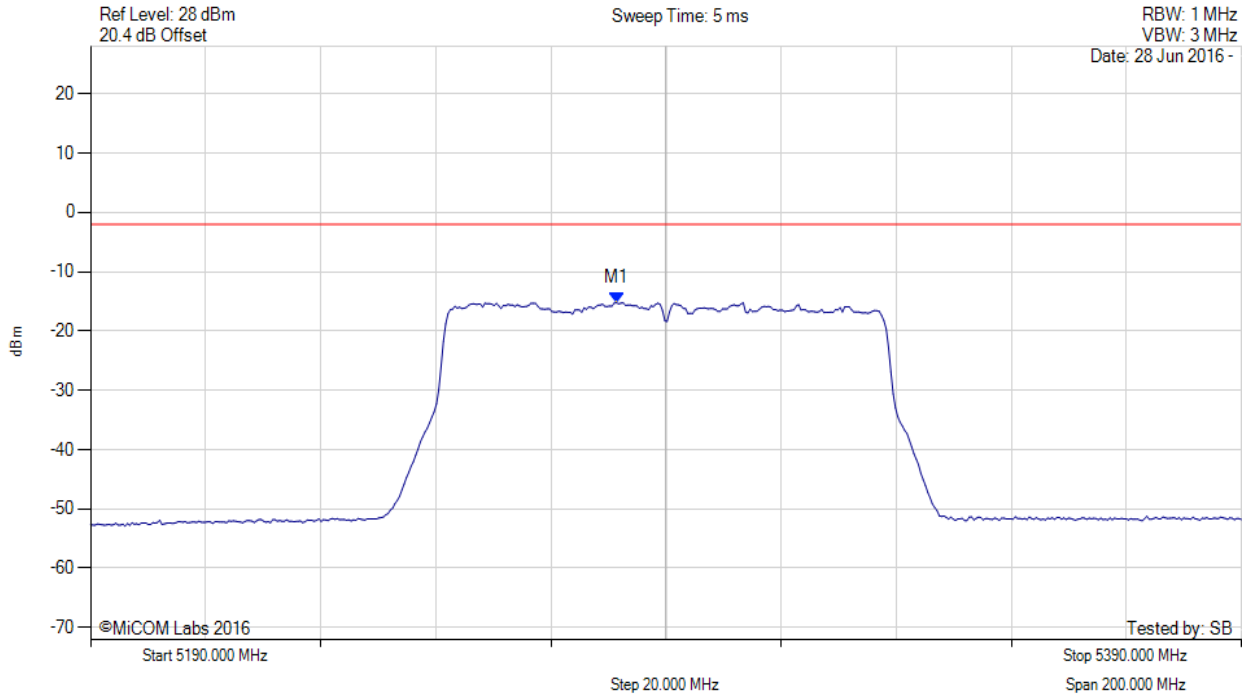


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5338.100 MHz : -7.635 dBm M1 + DCCF : 5338.100 MHz : -7.458 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 1.0 dBm Margin: -8.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

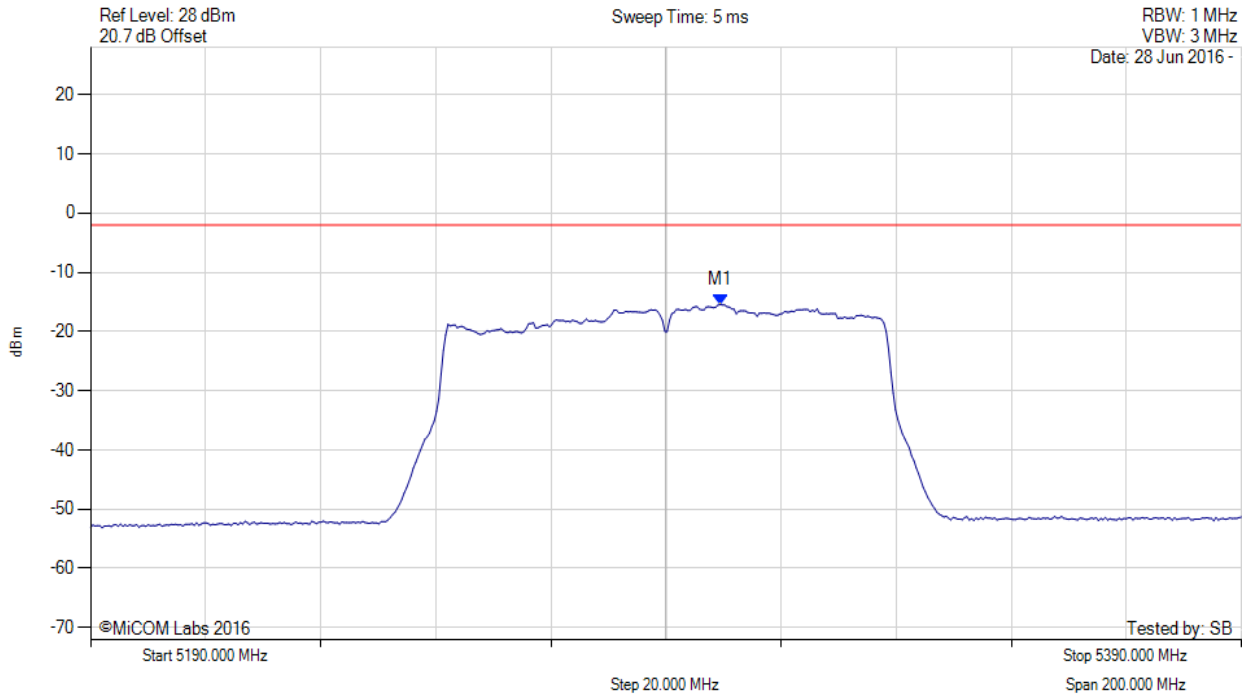


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5281.383 MHz : -15.225 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5290.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

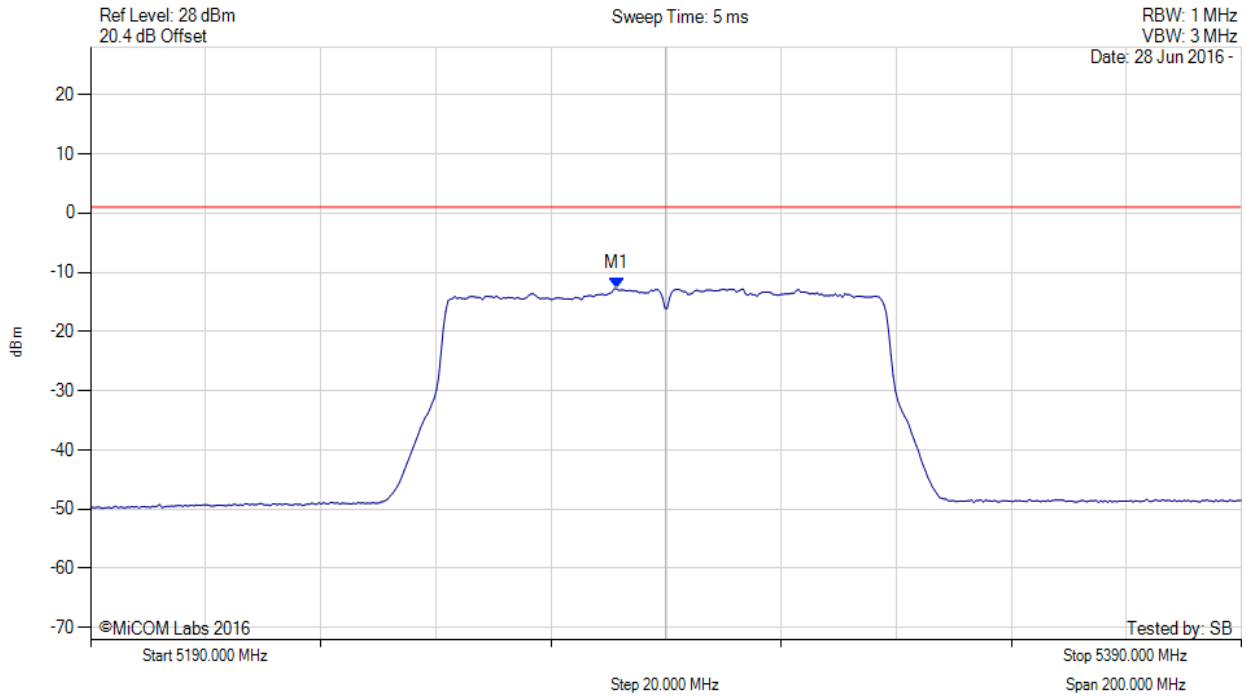


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5299.419 MHz : -15.421 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

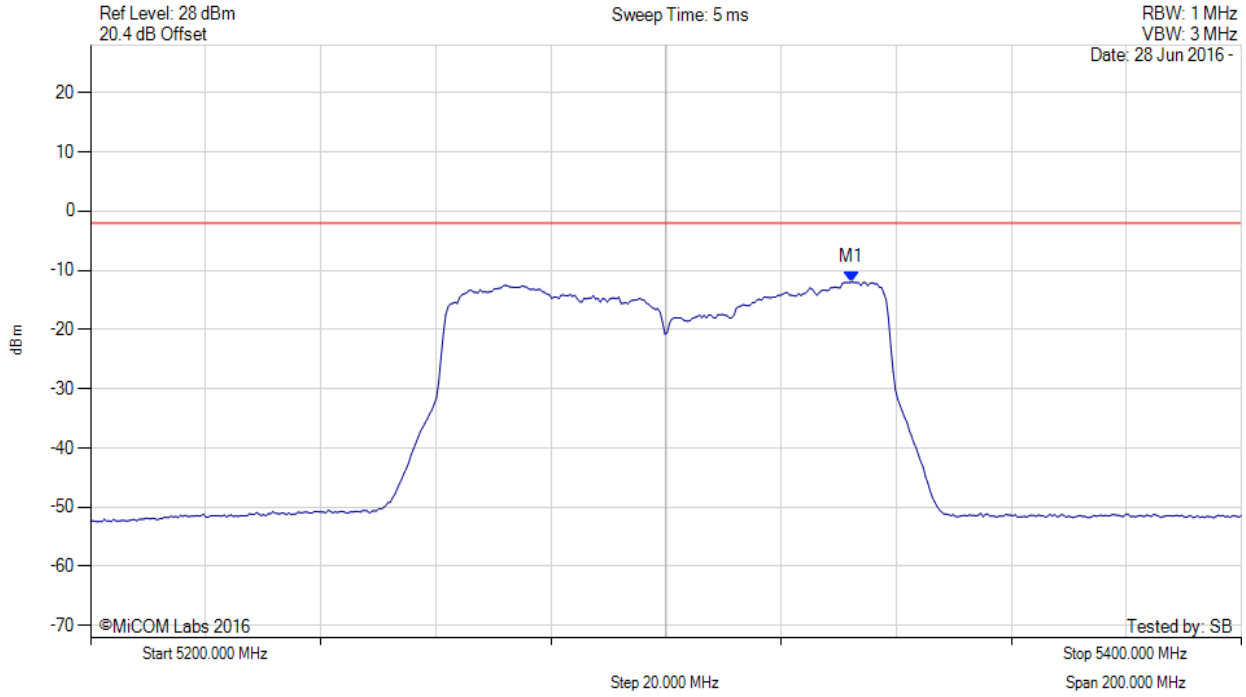


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5281.400 MHz : -12.742 dBm M1 + DCCF : 5281.400 MHz : -11.880 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 1.0 dBm Margin: -12.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

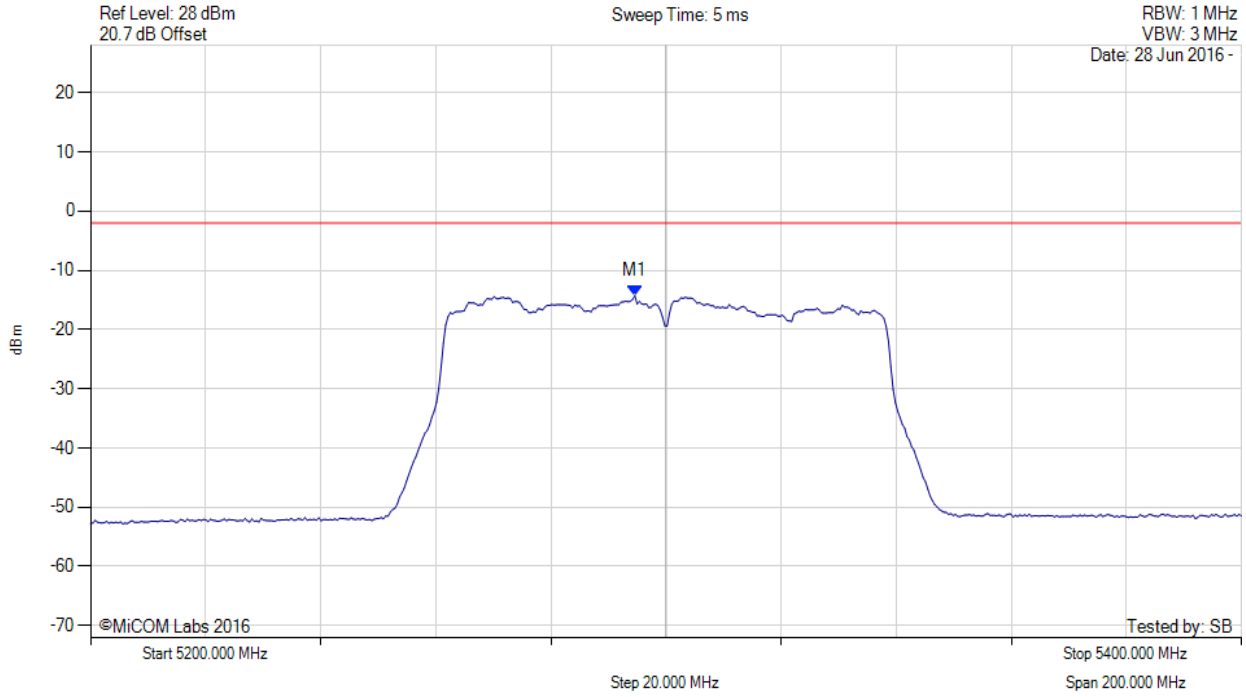


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5332.265 MHz : -12.000 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

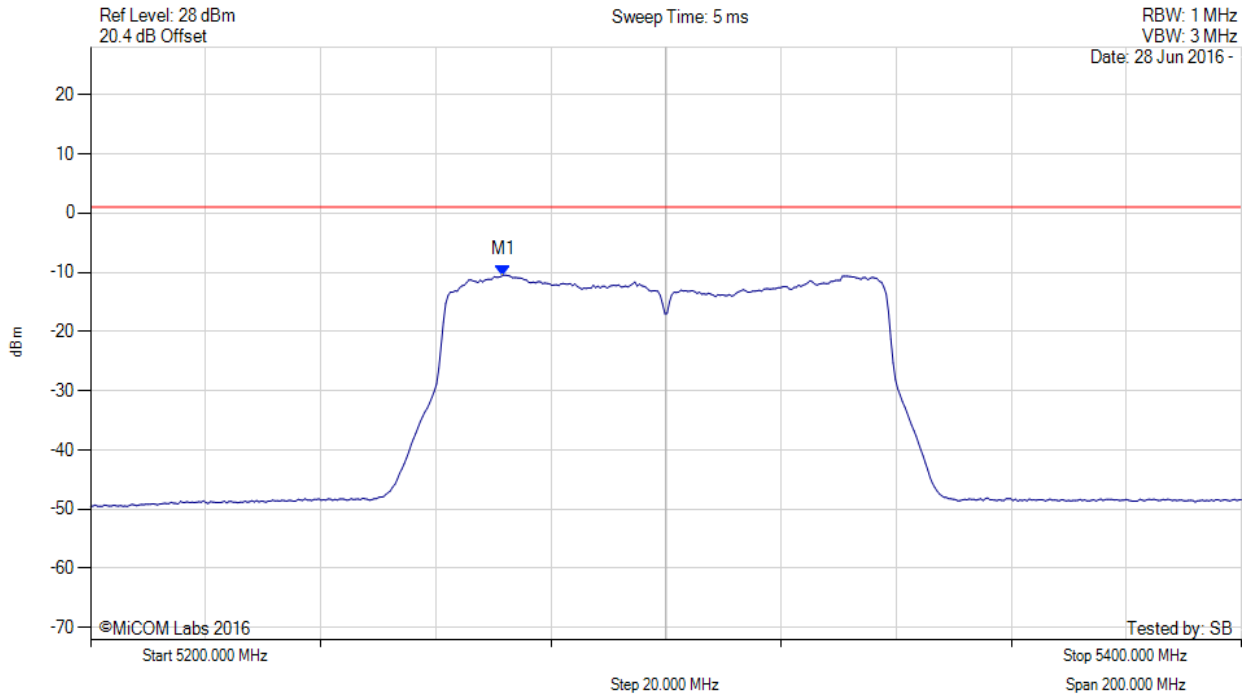


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5294.589 MHz : -14.293 dBm	Channel Frequency: 5300.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

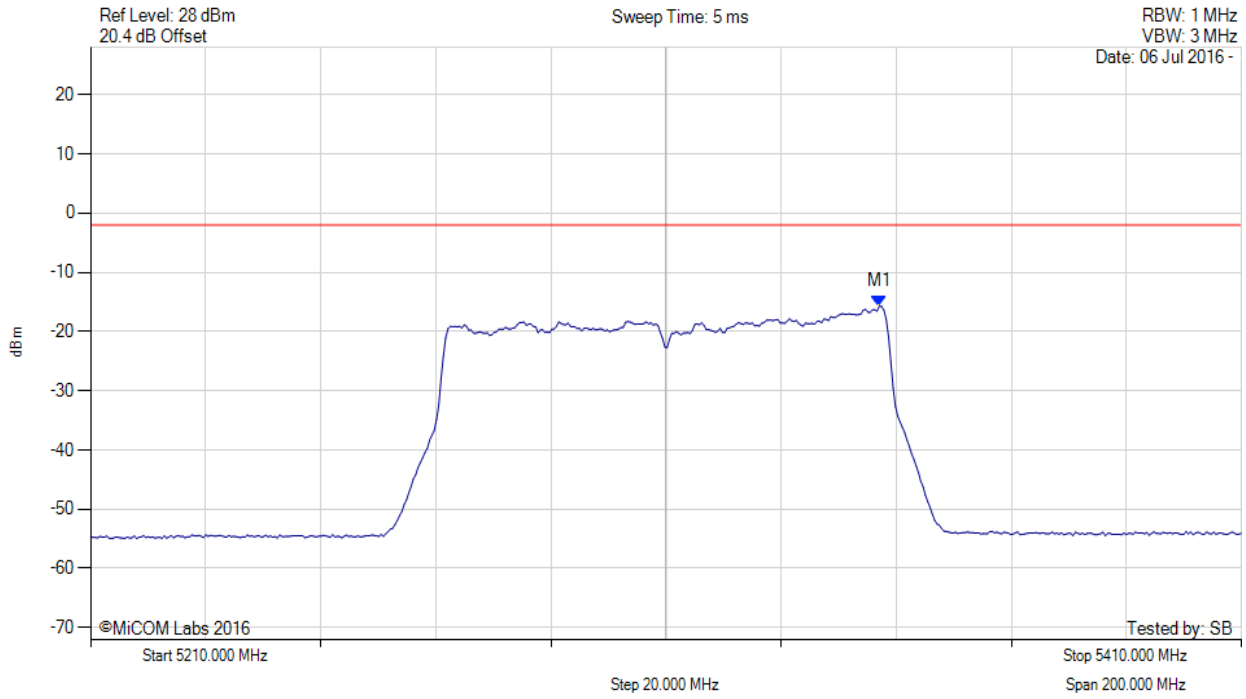


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5271.700 MHz : -10.467 dBm M1 + DCCF : 5271.700 MHz : -9.605 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 1.0 dBm Margin: -10.6 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

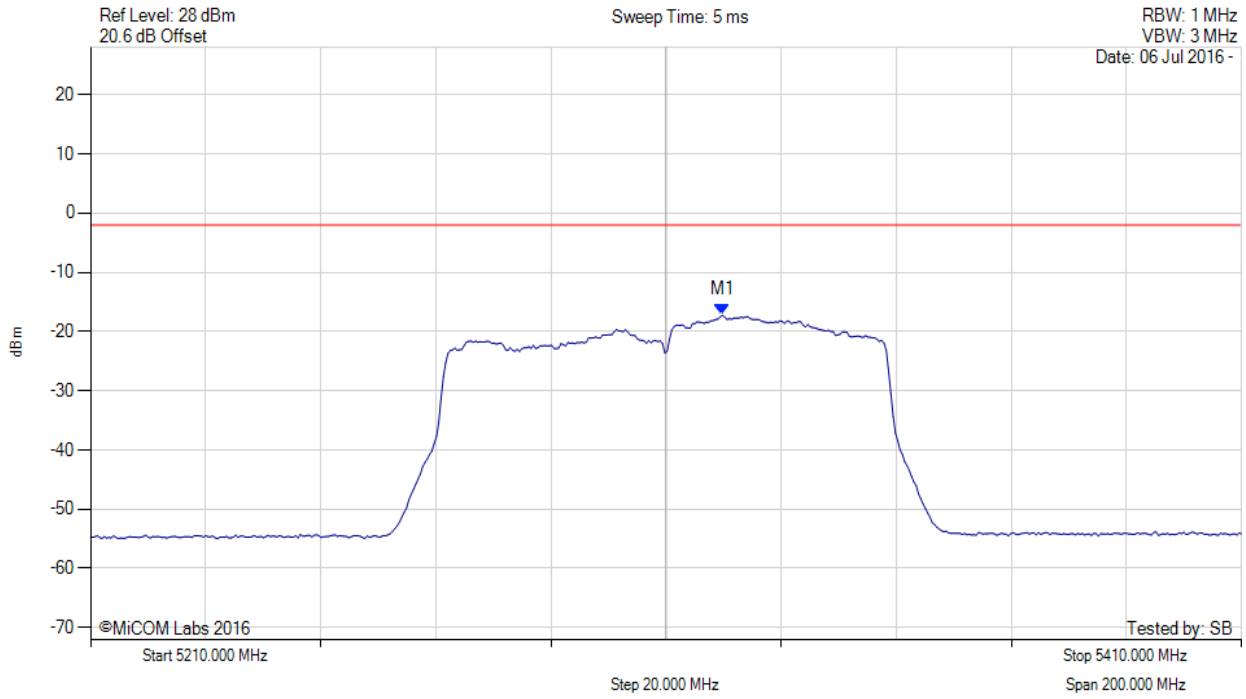


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5347.074 MHz : -15.736 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

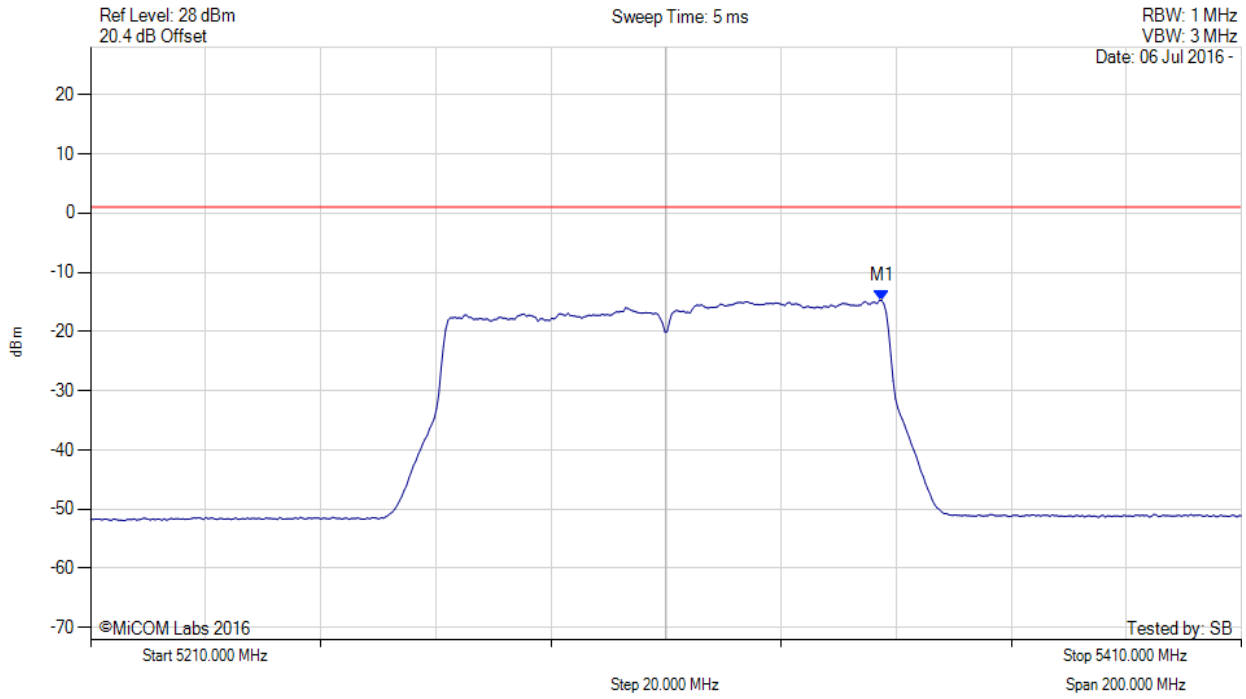


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5319.820 MHz : -17.229 dBm	Limit: ≤ -2.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

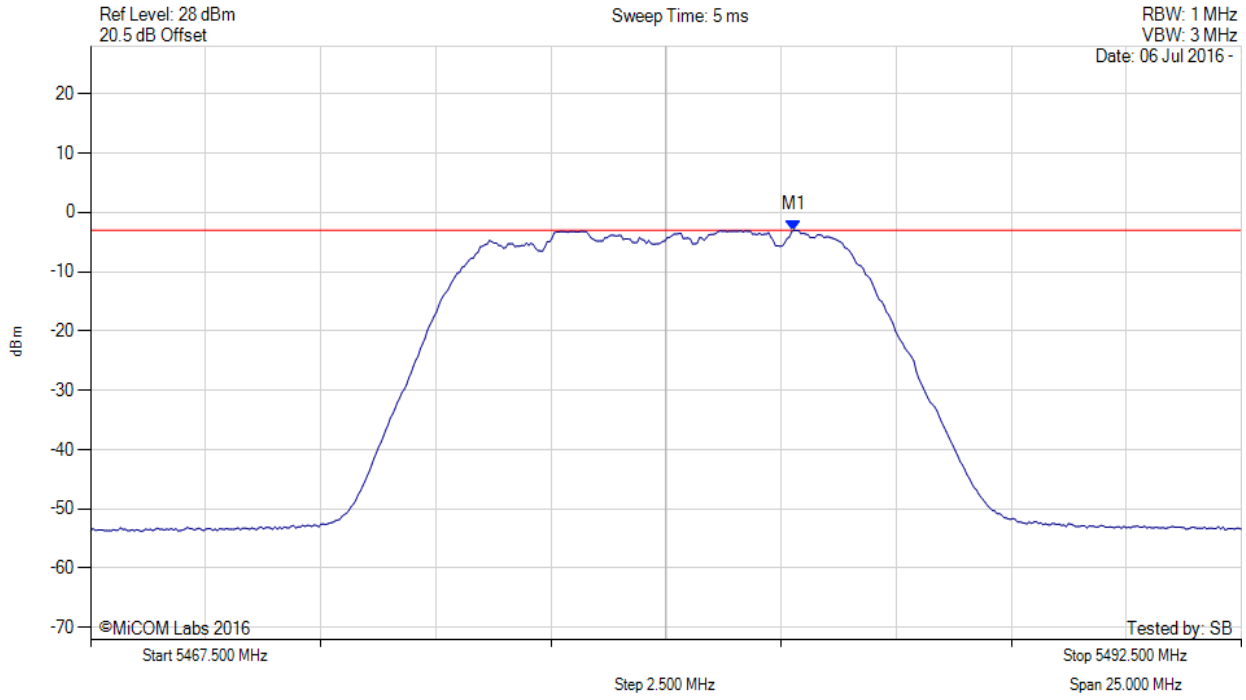


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5347.500 MHz : -14.727 dBm M1 + DCCF : 5347.500 MHz : -13.865 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: ≤ 1.0 dBm Margin: -14.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5480.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

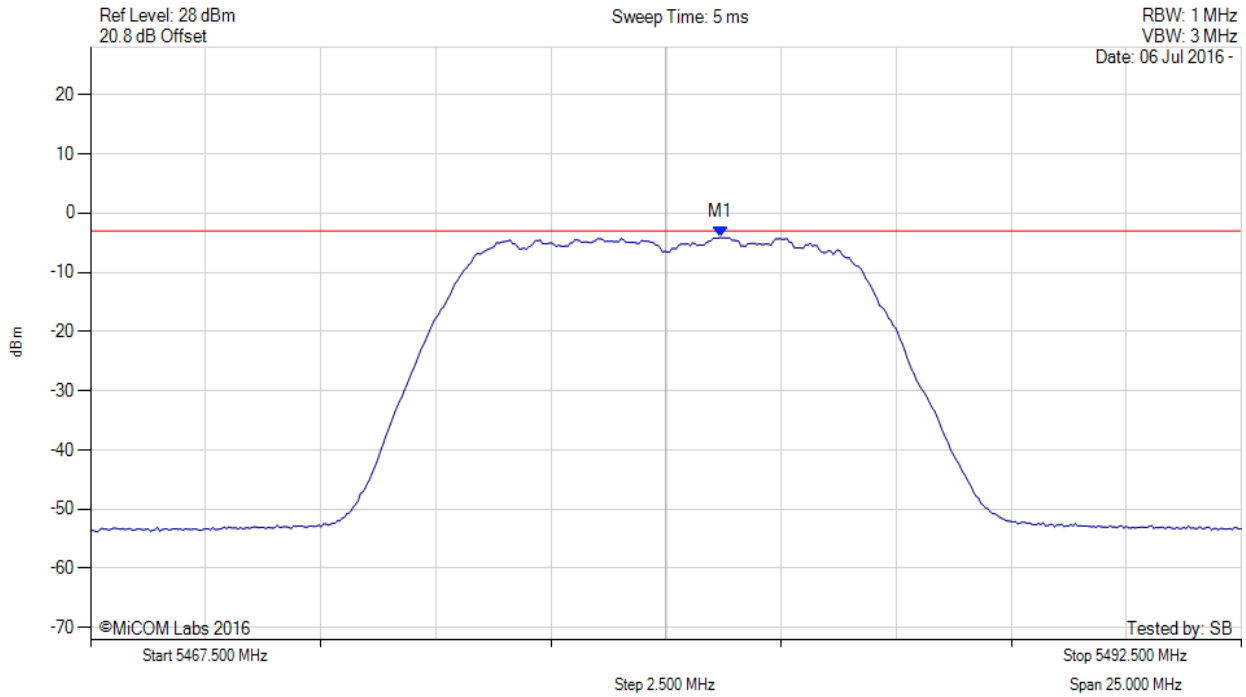


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5482.781 MHz : -3.002 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5480.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

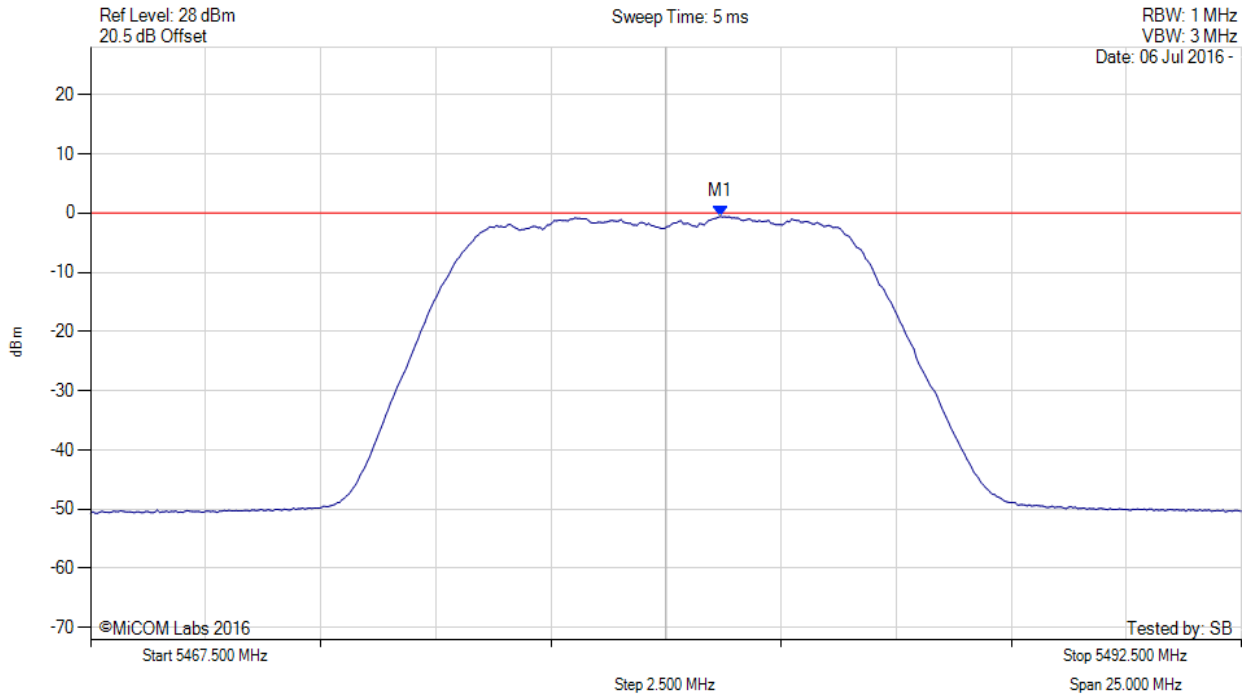


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5481.177 MHz : -4.113 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5480.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

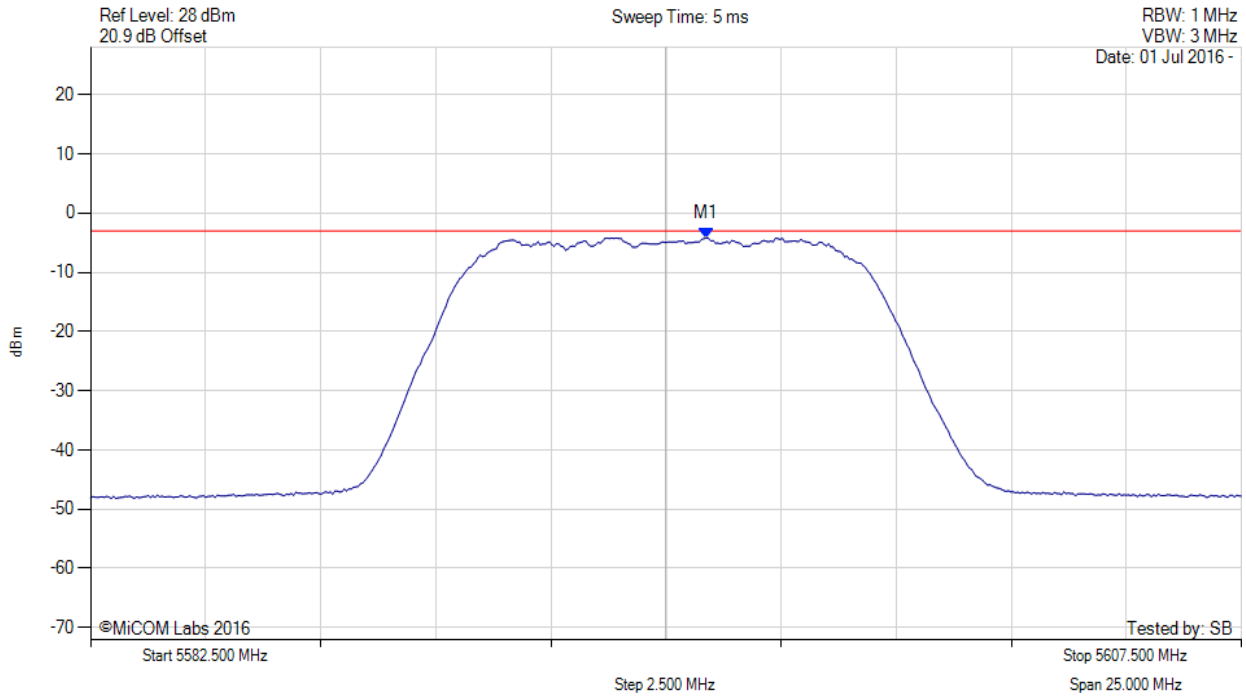


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5481.200 MHz : -0.566 dBm M1 + DCCF : 5481.200 MHz : -0.492 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 0.0 dBm Margin: -0.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

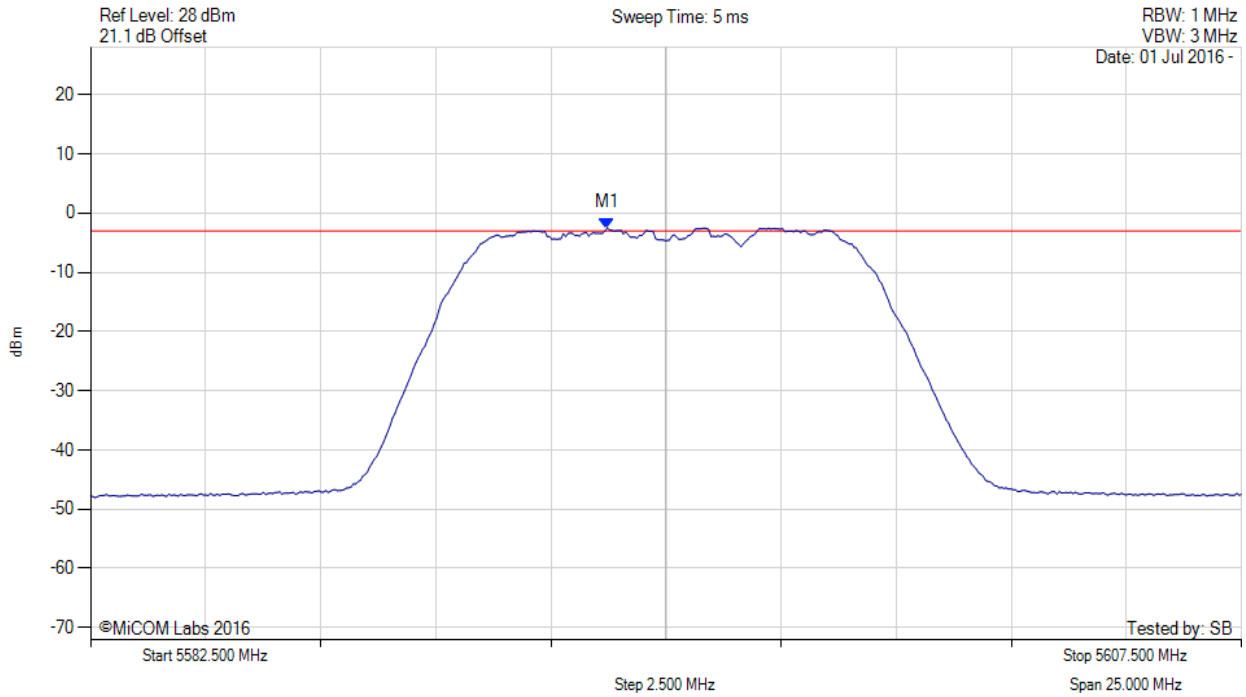


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5595.877 MHz : -4.191 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

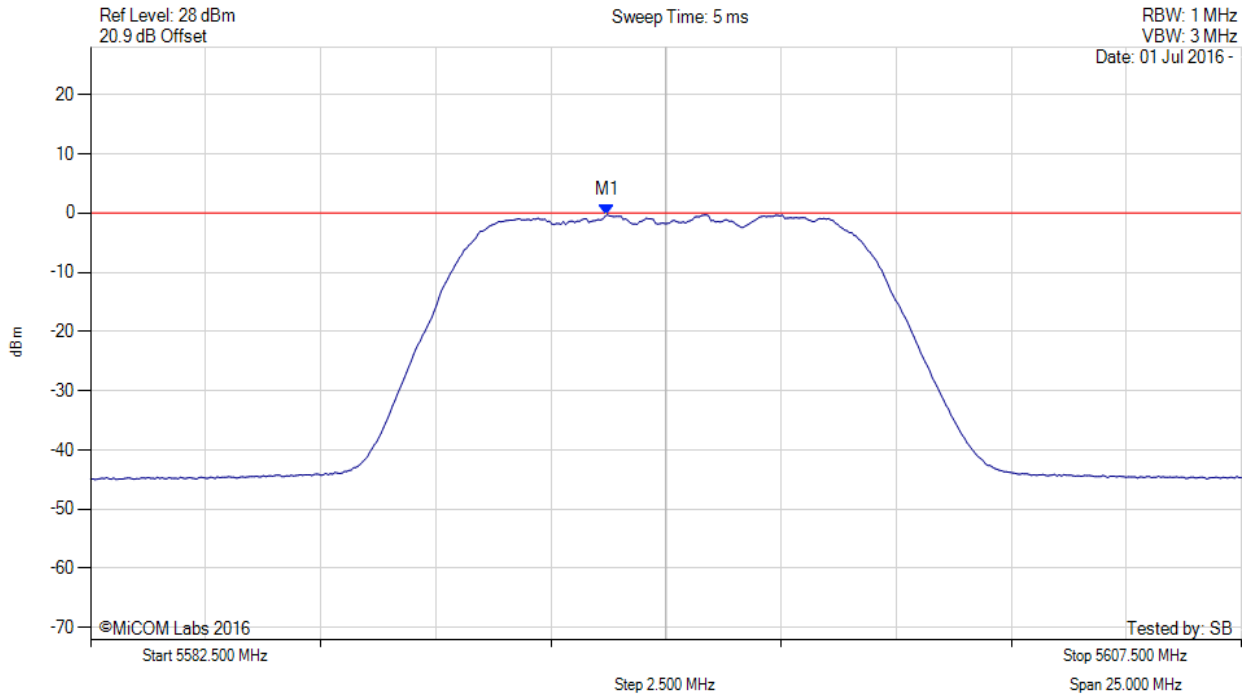


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.722 MHz : -2.521 dBm	Channel Frequency: 5595.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

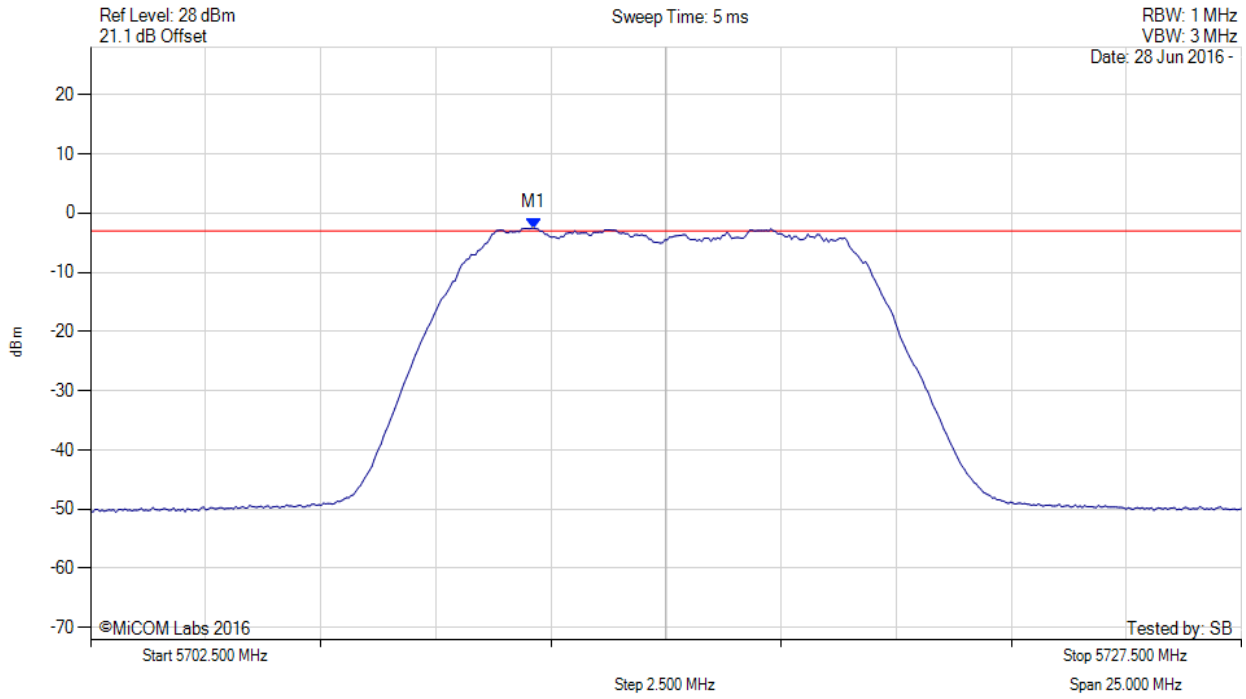


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.700 MHz : -0.288 dBm M1 + DCCF : 5593.700 MHz : -0.214 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 0.0 dBm Margin: -0.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5715.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

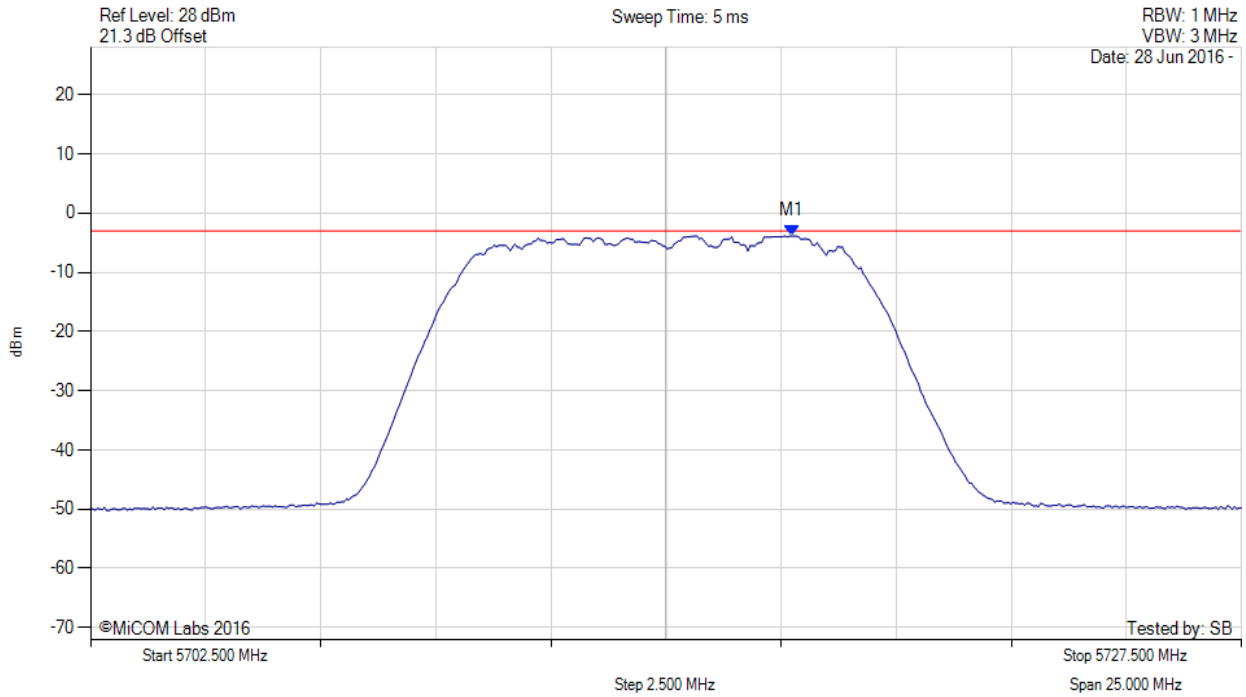


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5712.119 MHz : -2.529 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5715.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

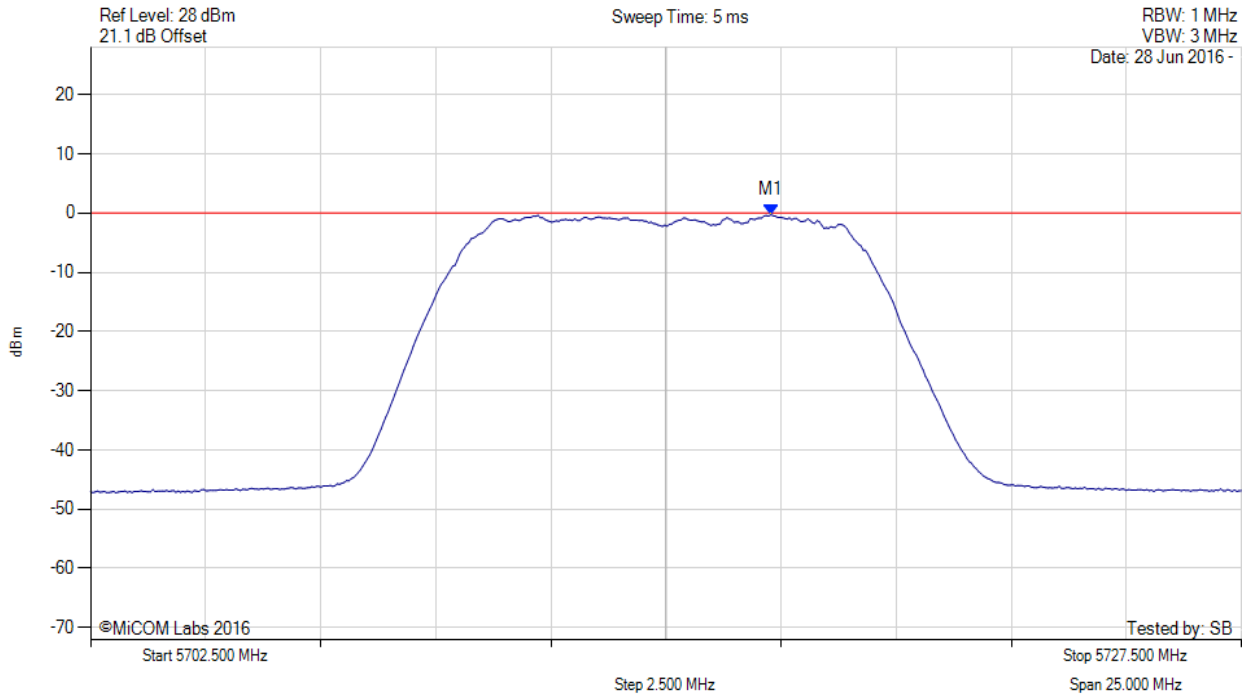


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5717.730 MHz : -3.865 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5715.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

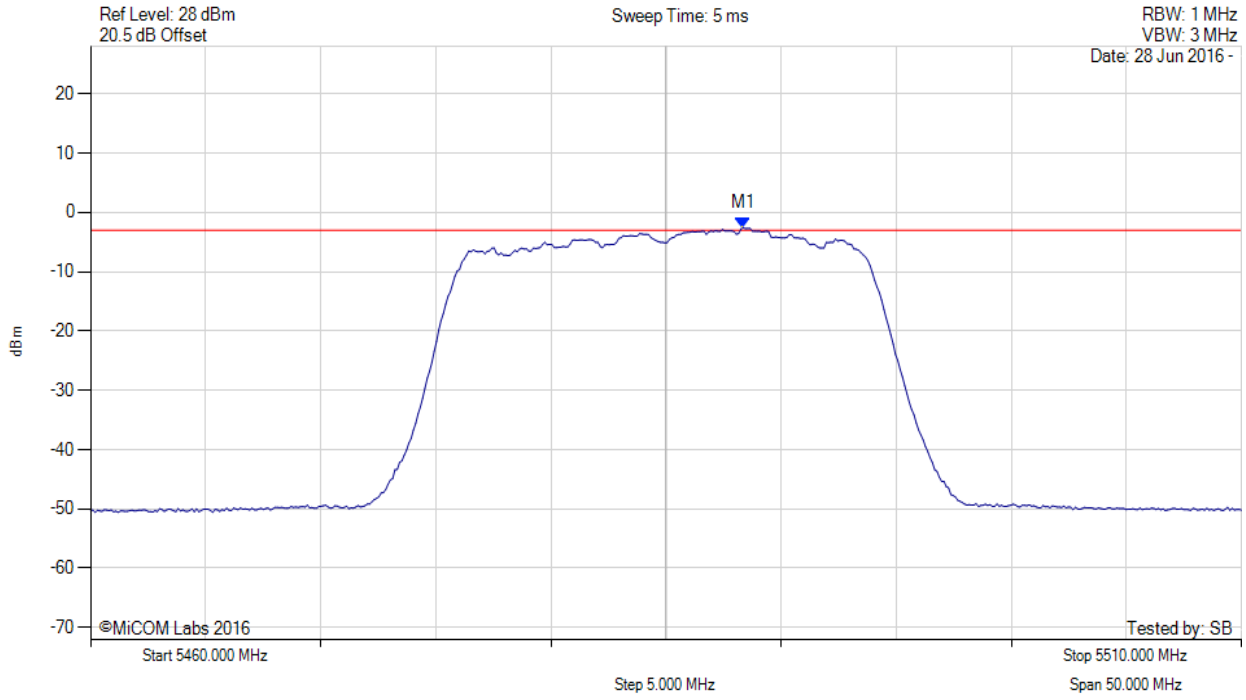


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5717.300 MHz : -0.286 dBm M1 + DCCF : 5717.300 MHz : -0.212 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 0.0 dBm Margin: -0.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5485.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

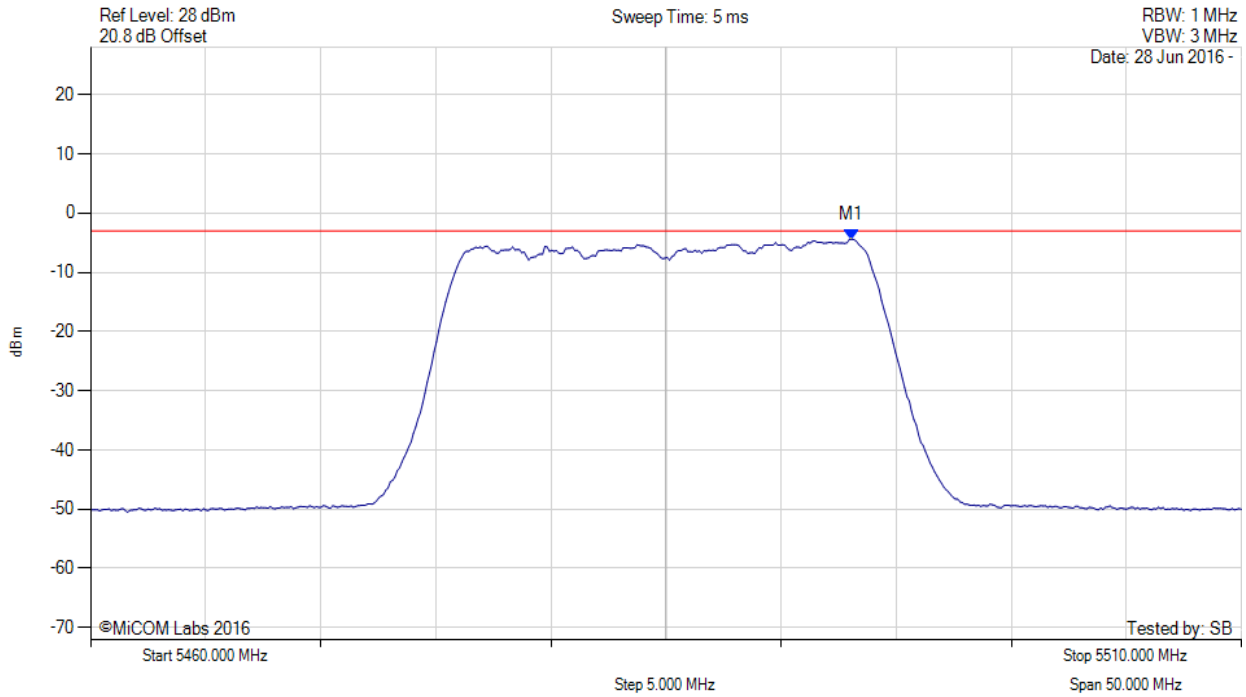


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5488.357 MHz : -2.608 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5485.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

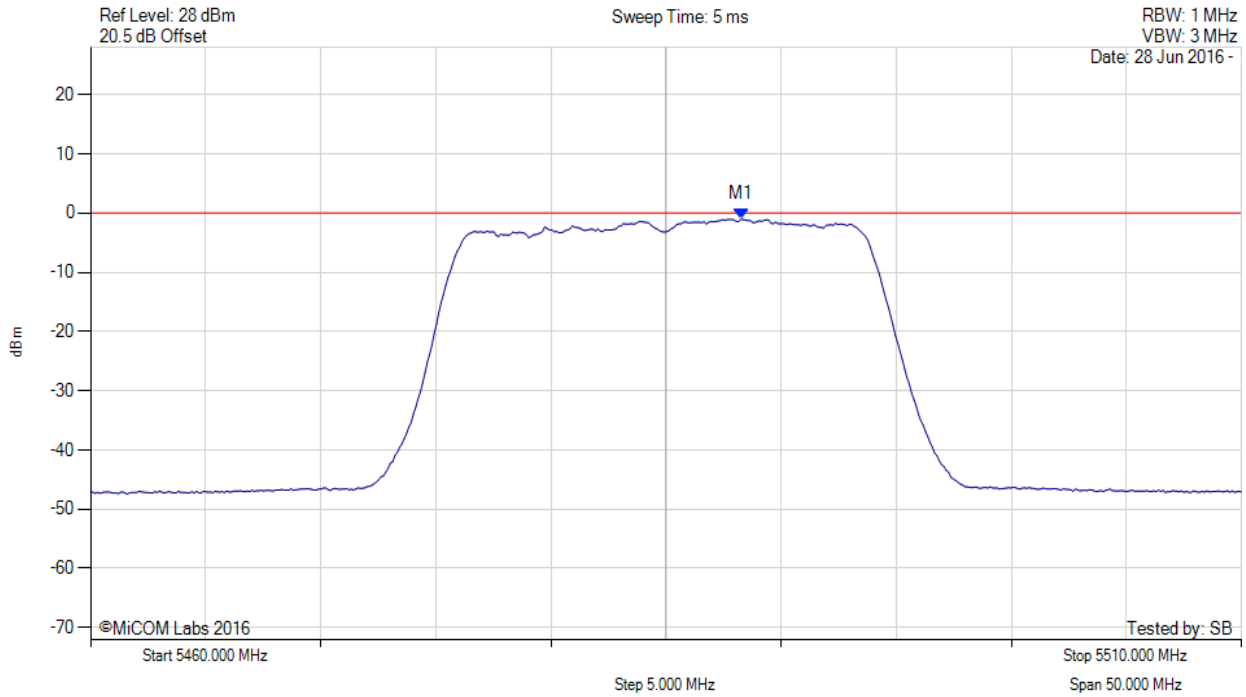


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5493.066 MHz : -4.418 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5485.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

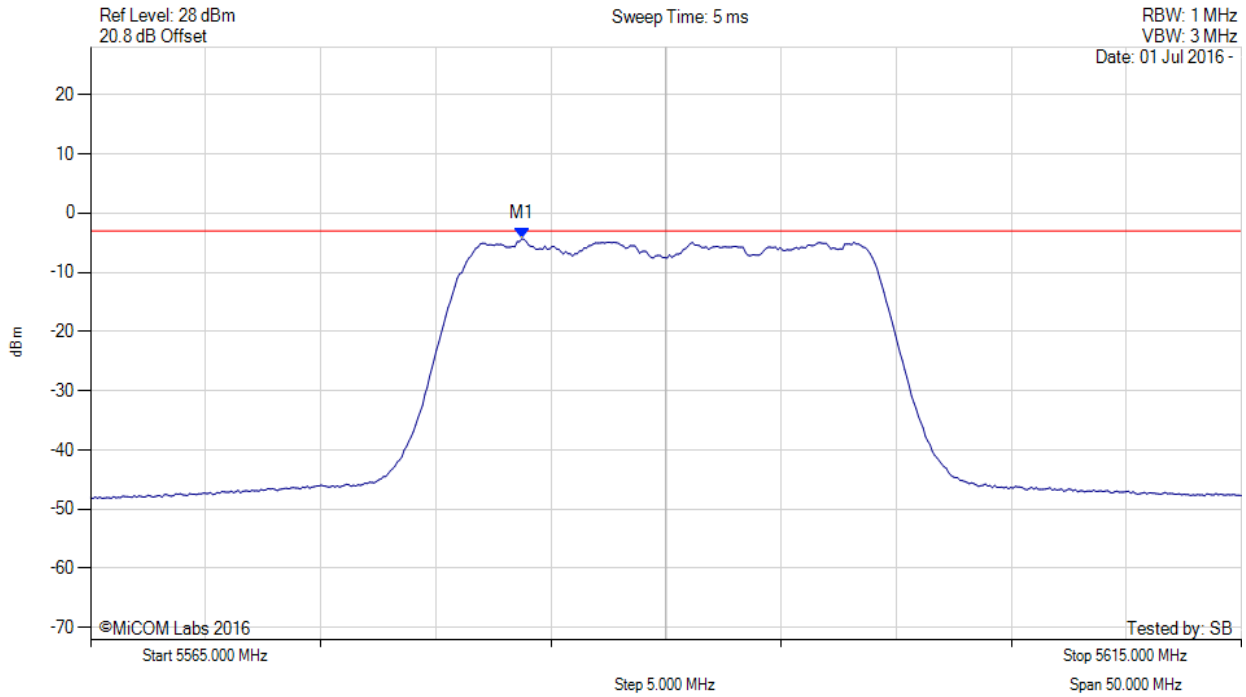


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5488.300 MHz : -1.040 dBm M1 + DCCF : 5488.300 MHz : -0.966 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 0.0 dBm Margin: -1.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

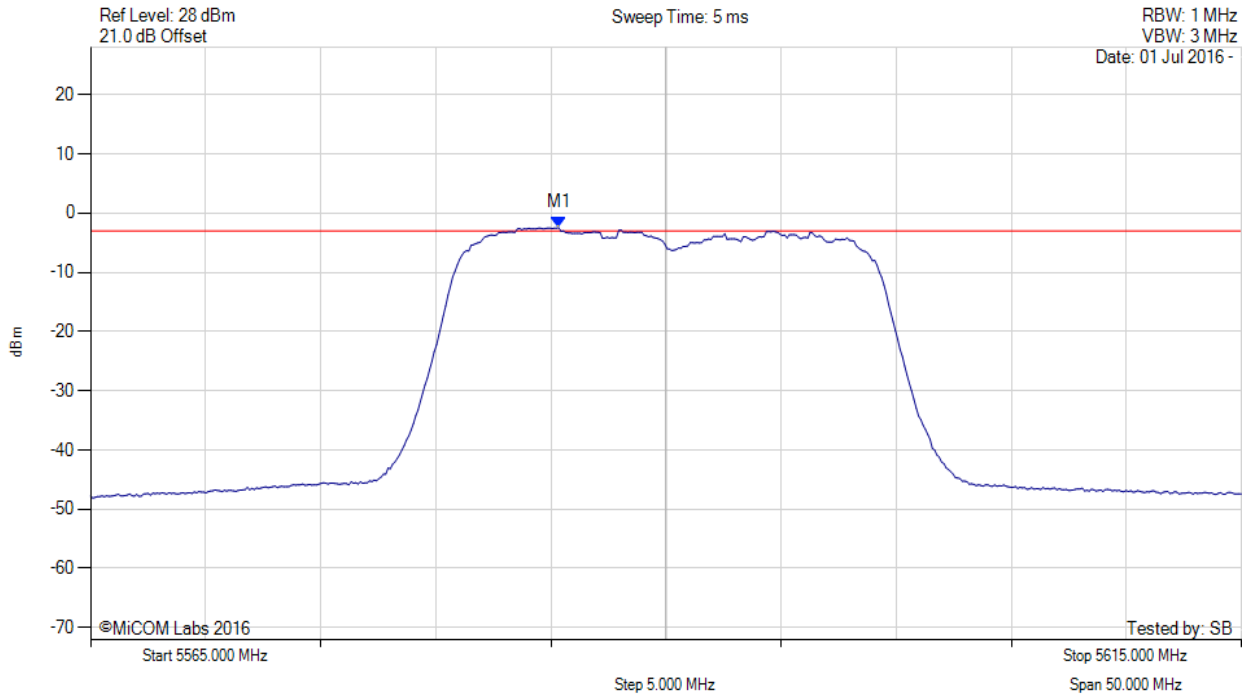


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5583.737 MHz : -4.331 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

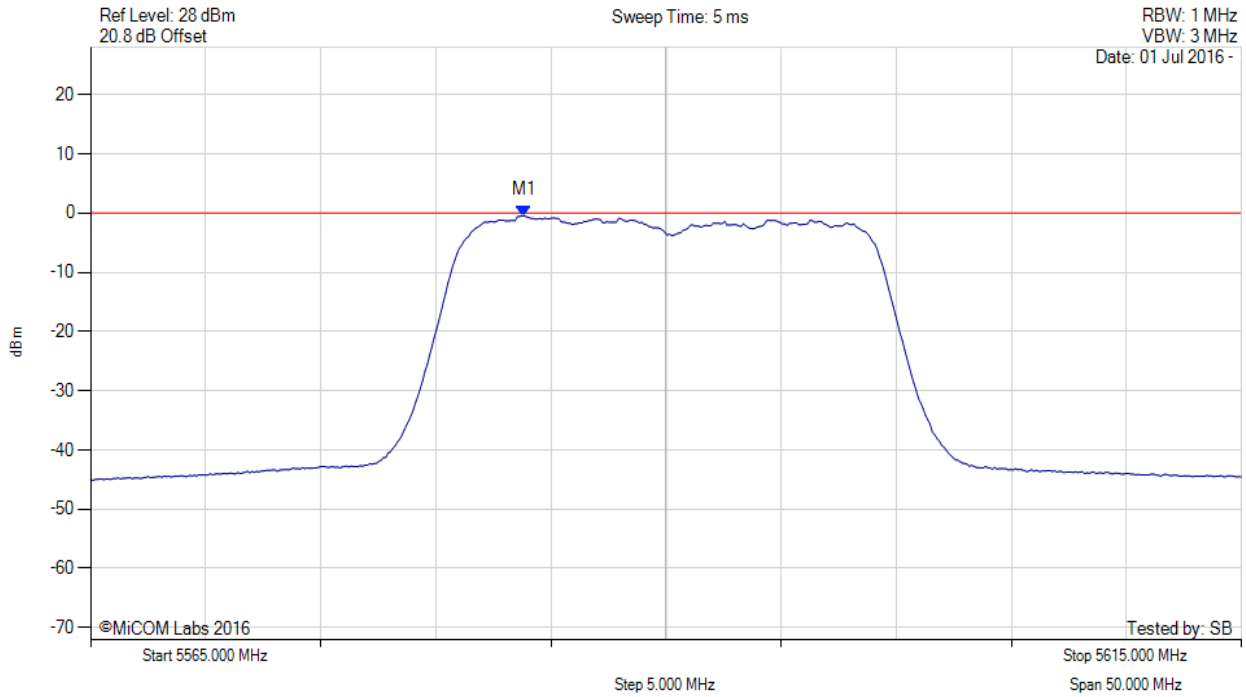


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5585.341 MHz : -2.480 dBm	Channel Frequency: 5590.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

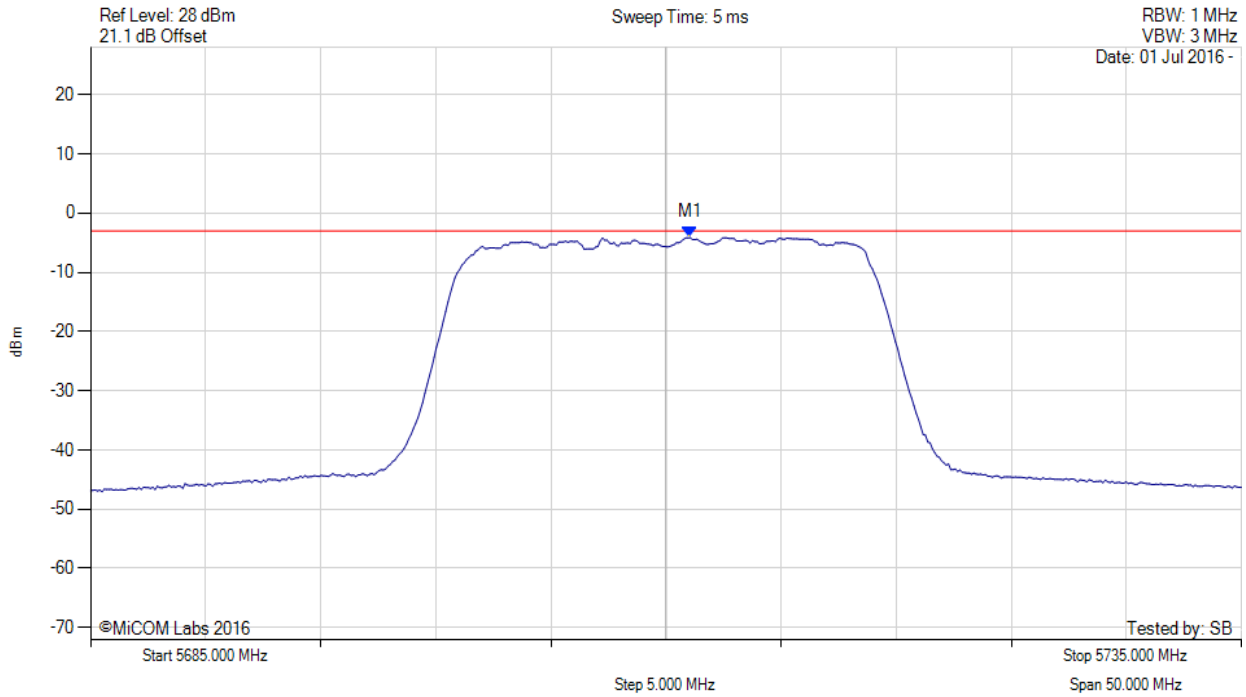


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5583.800 MHz : -0.436 dBm M1 + DCCF : 5583.800 MHz : -0.362 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 0.0 dBm Margin: -0.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

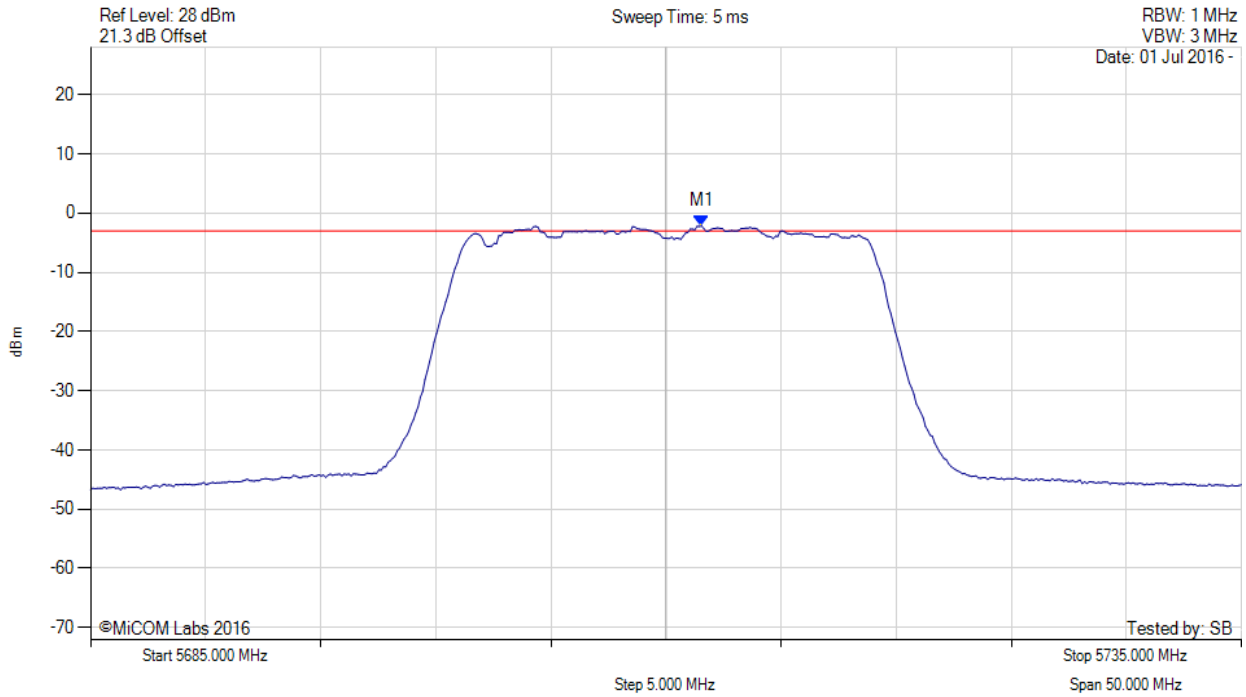


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5711.052 MHz : -4.130 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5710.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

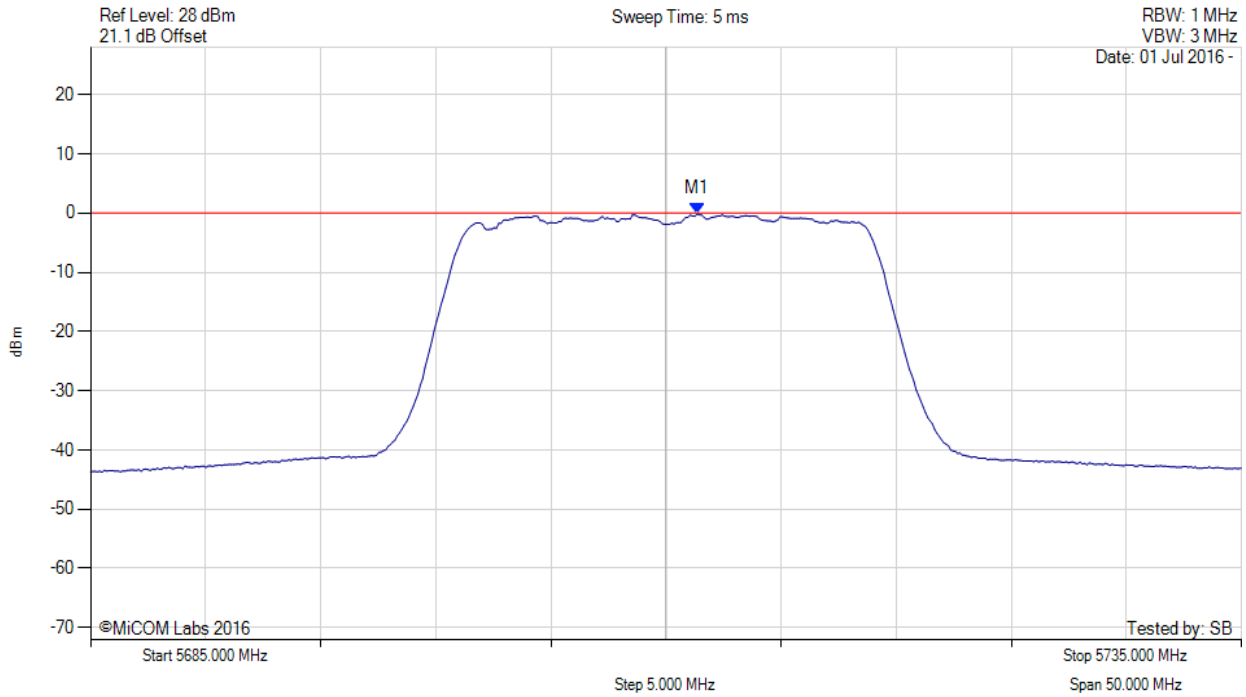


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5711.553 MHz : -2.178 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5710.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

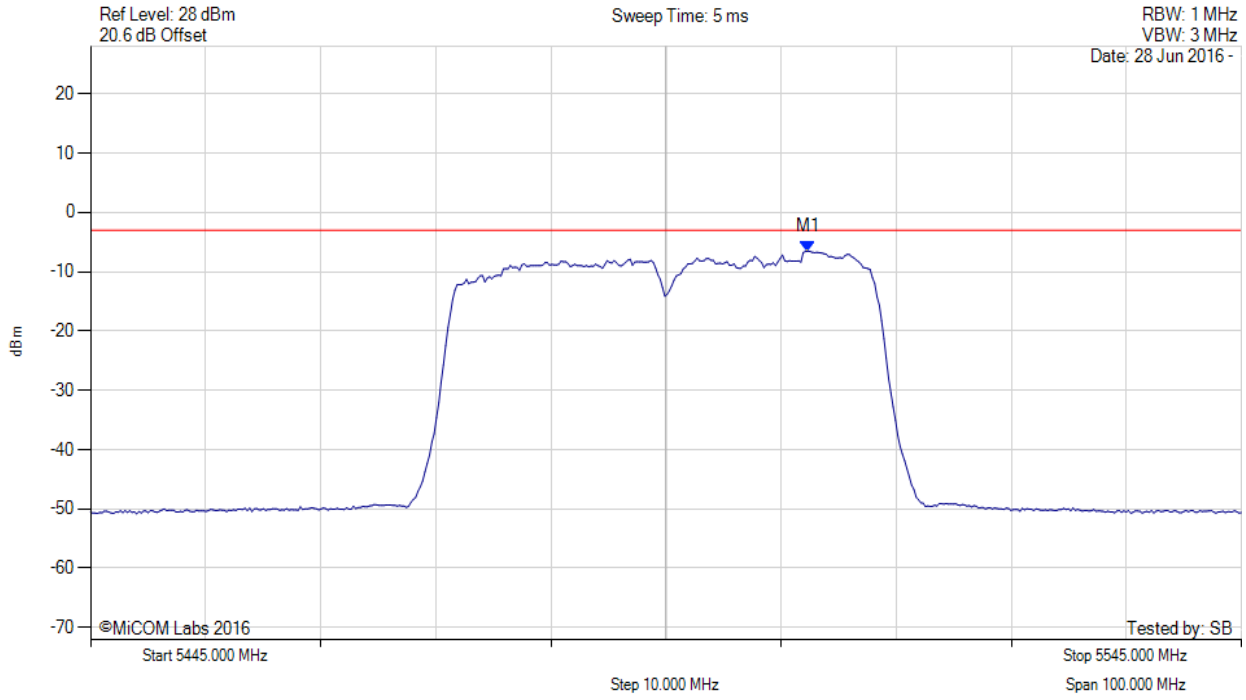


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5711.400 MHz : -0.167 dBm M1 + DCCF : 5711.400 MHz : -0.093 dBm Duty Cycle Correction Factor : +0.09 dB	Limit: ≤ 0.0 dBm Margin: -0.1 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5495.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

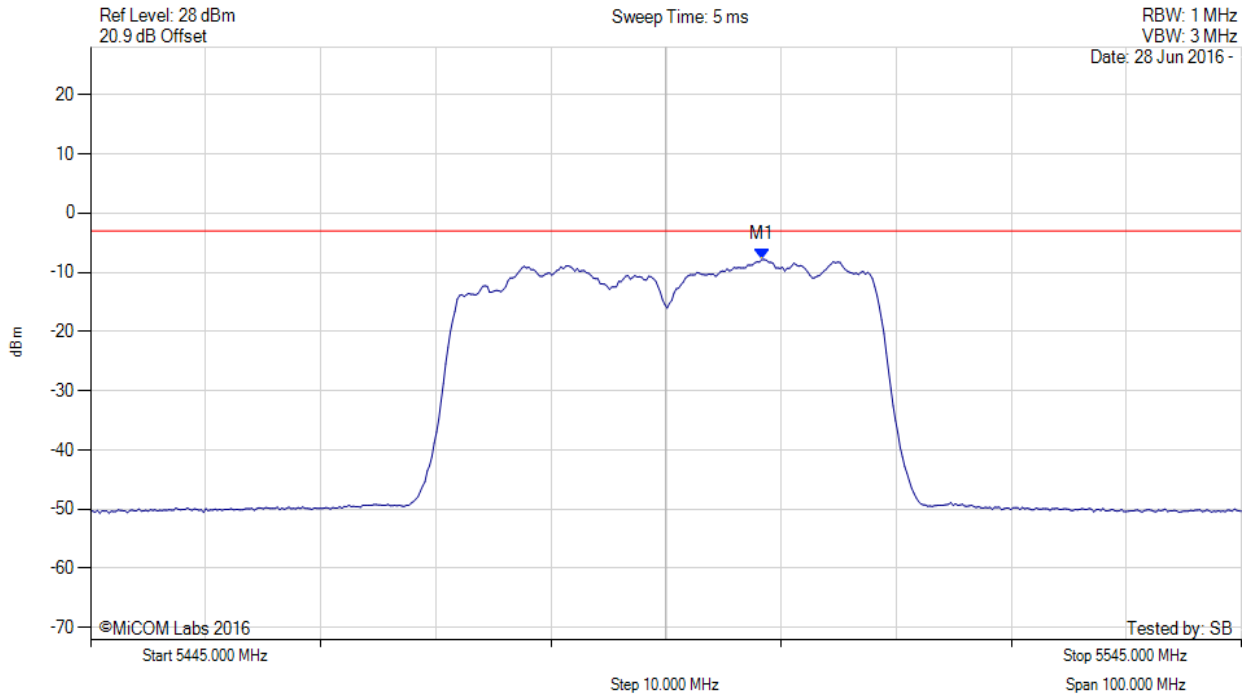


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5507.325 MHz : -6.525 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5495.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

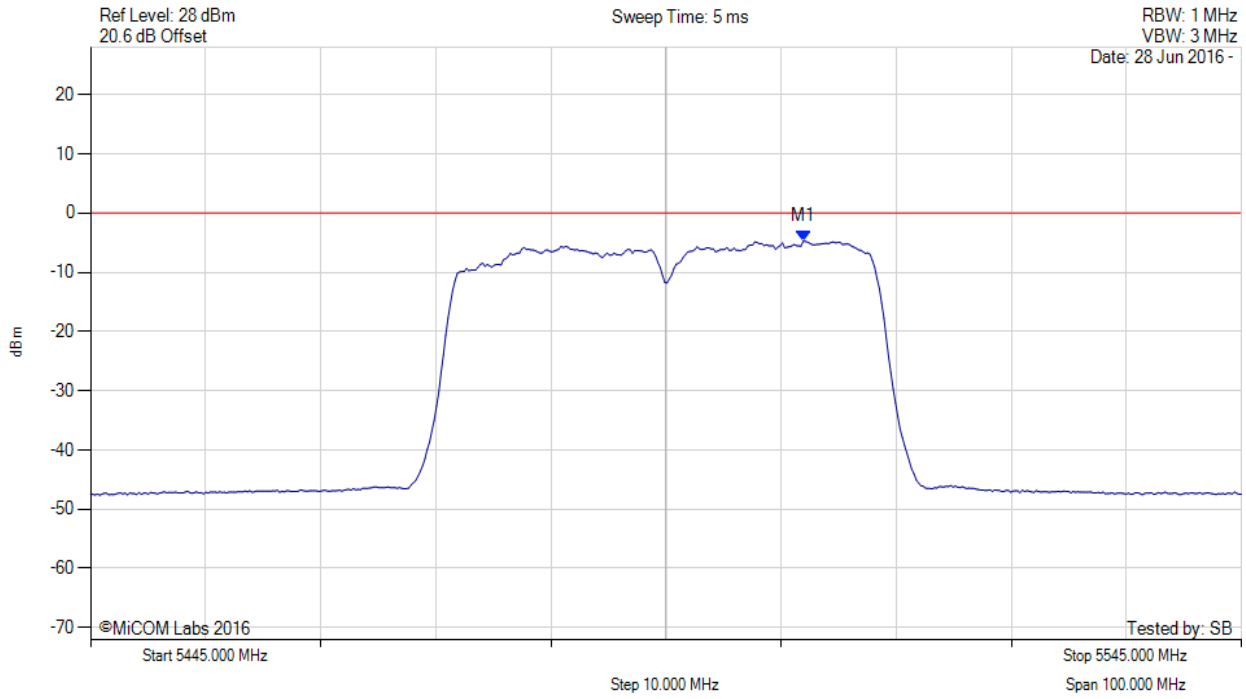


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5503.317 MHz : -7.831 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5495.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

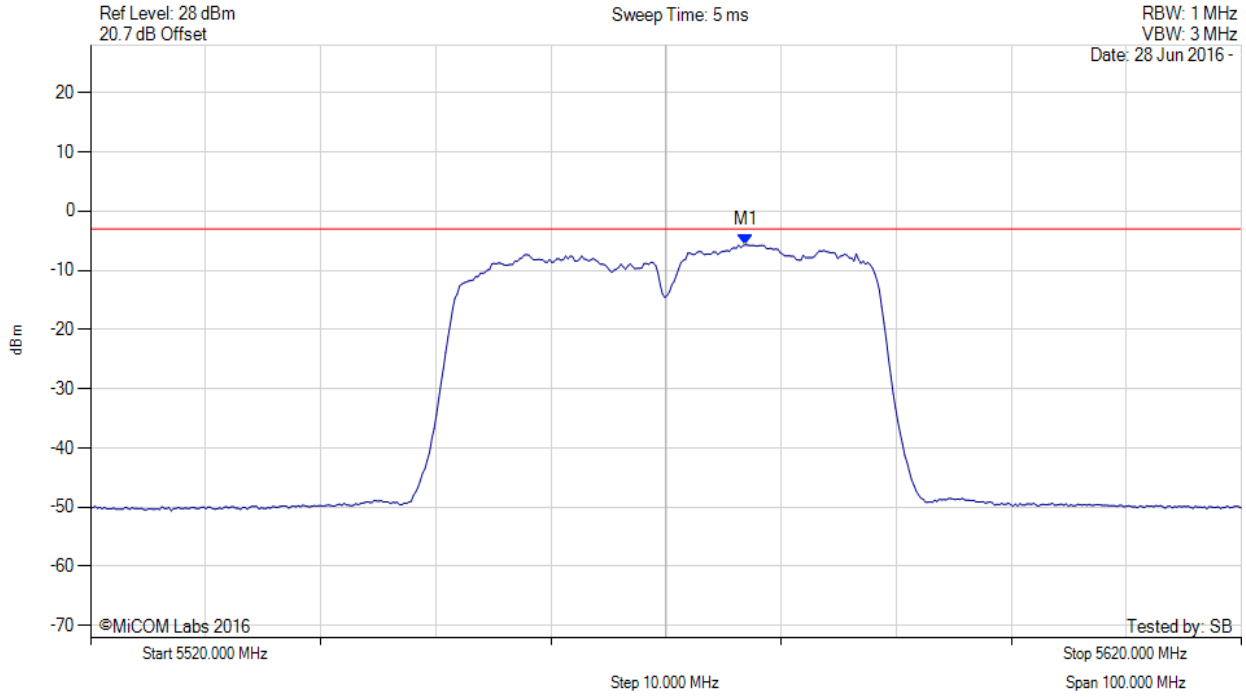


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.900 MHz : -4.753 dBm M1 + DCCF : 5506.900 MHz : -4.576 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 0.0 dBm Margin: -4.6 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

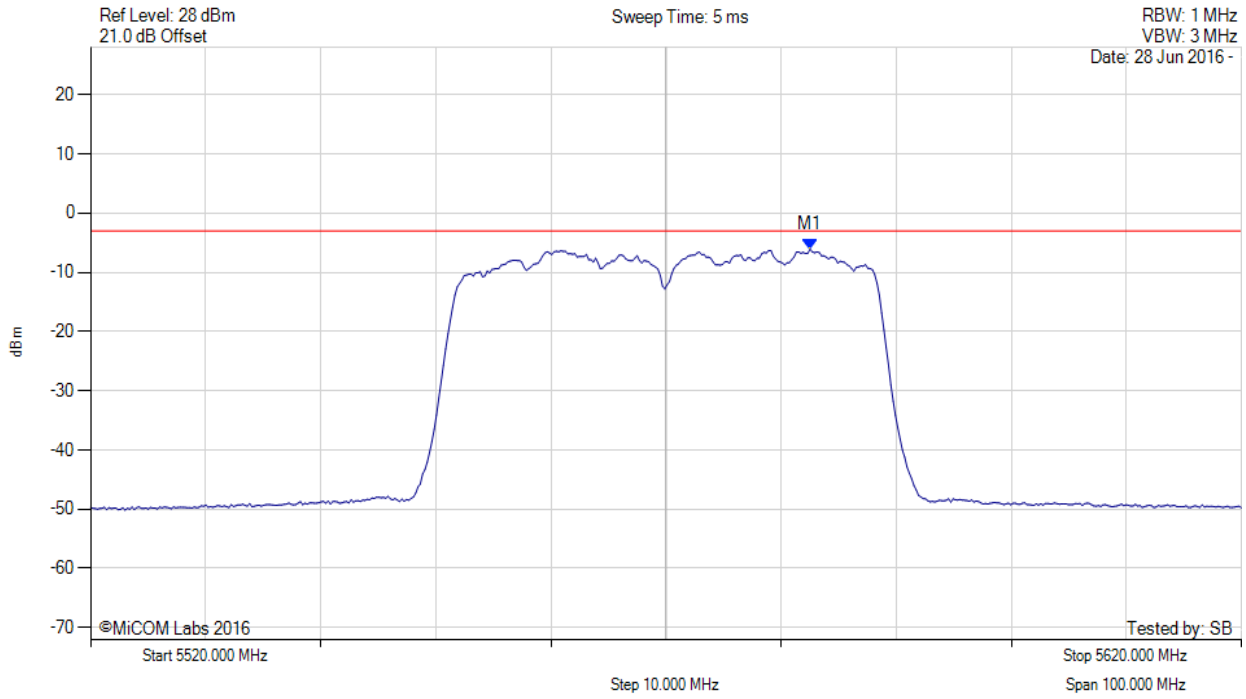


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5576.914 MHz : -5.671 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

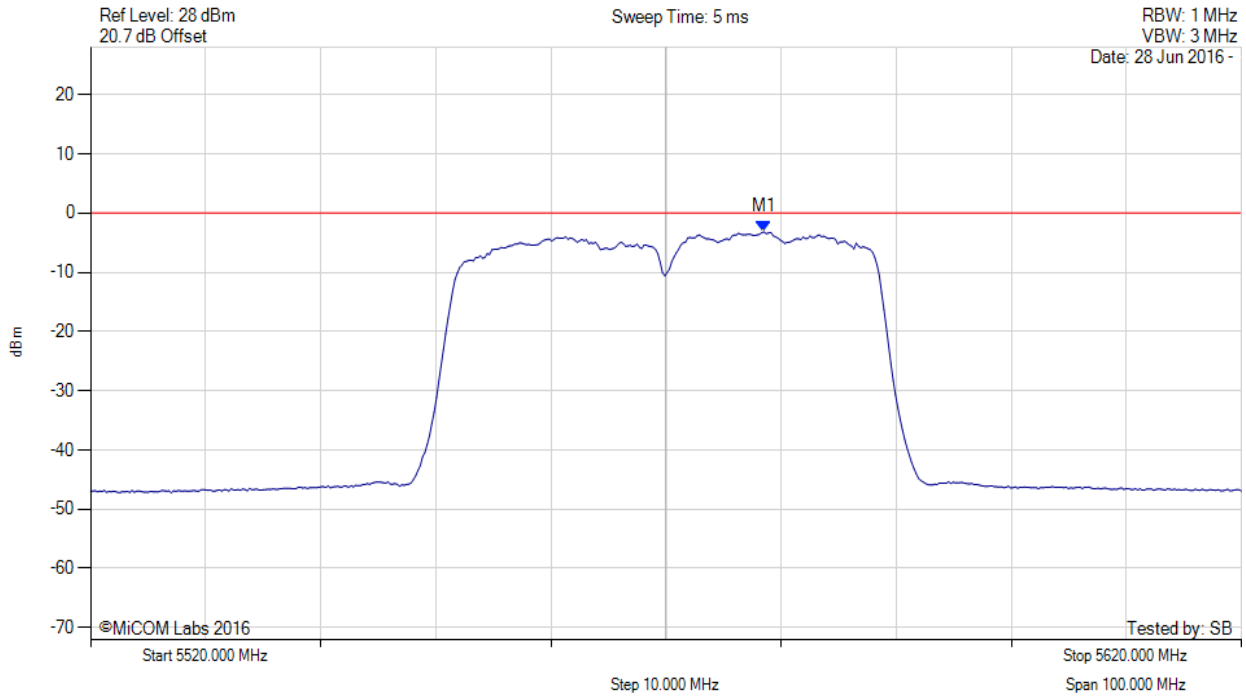


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5582.525 MHz : -6.088 dBm	Channel Frequency: 5570.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

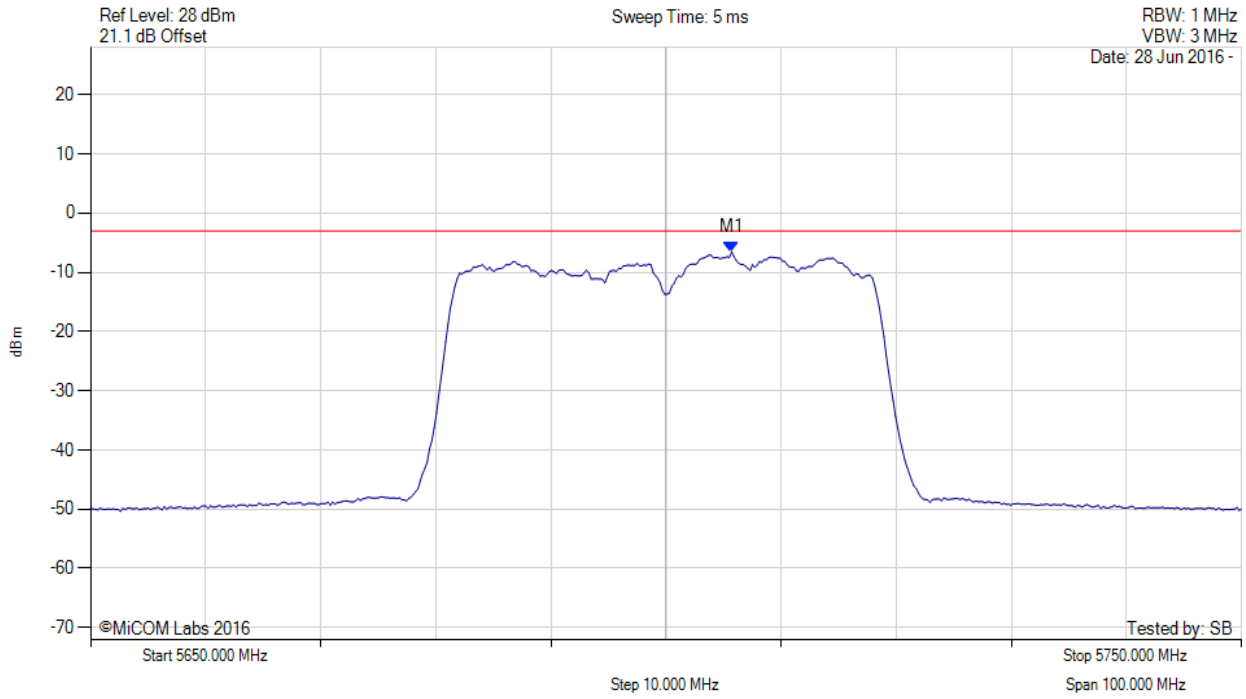


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5578.500 MHz : -3.172 dBm M1 + DCCF : 5578.500 MHz : -2.995 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 0.0 dBm Margin: -3.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5700.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

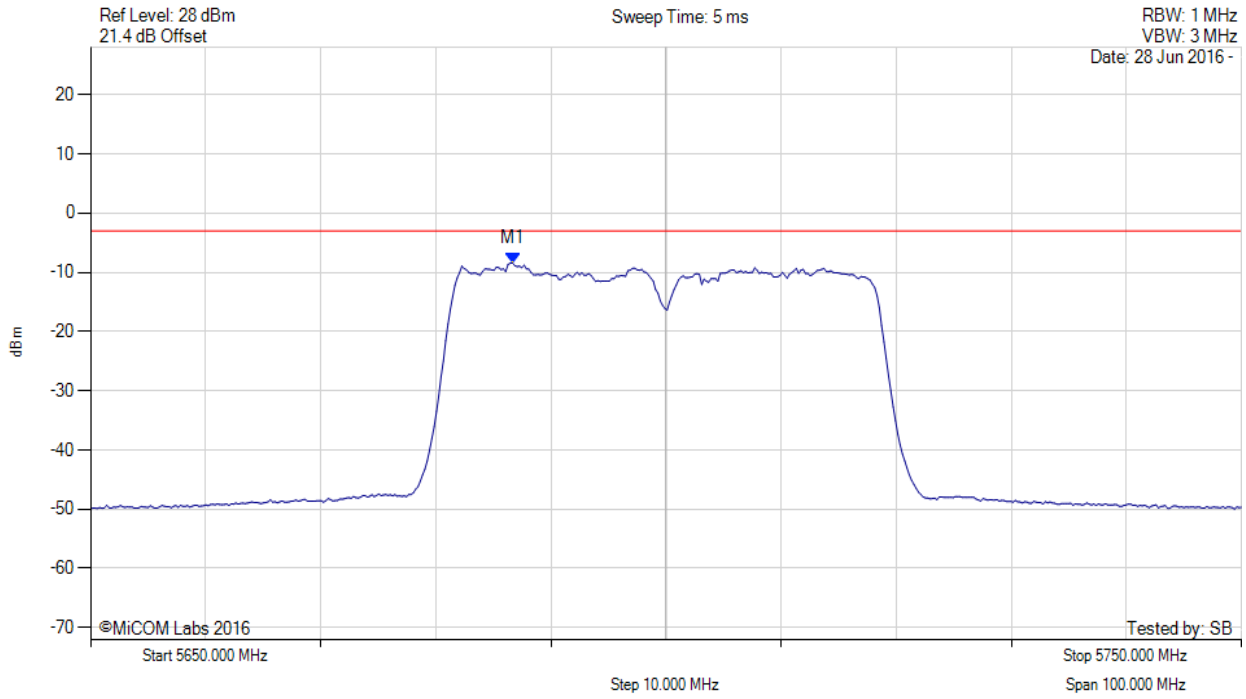


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5705.711 MHz : -6.532 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5700.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

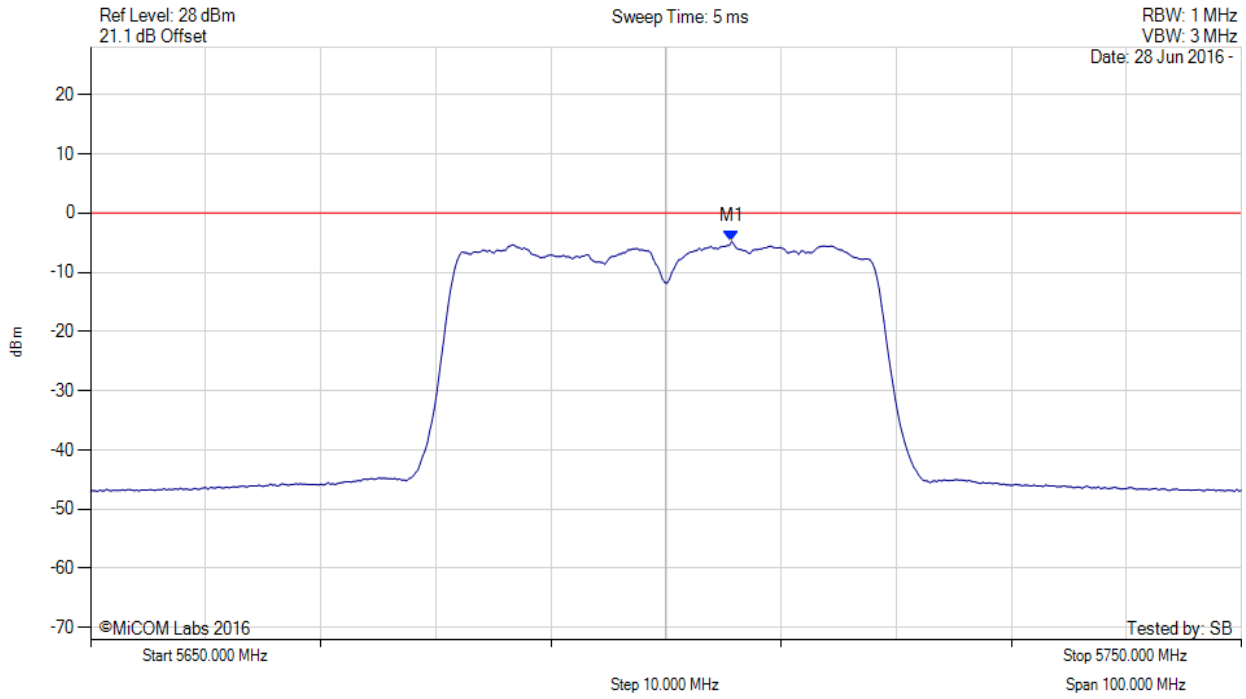


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5686.673 MHz : -8.417 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5700.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

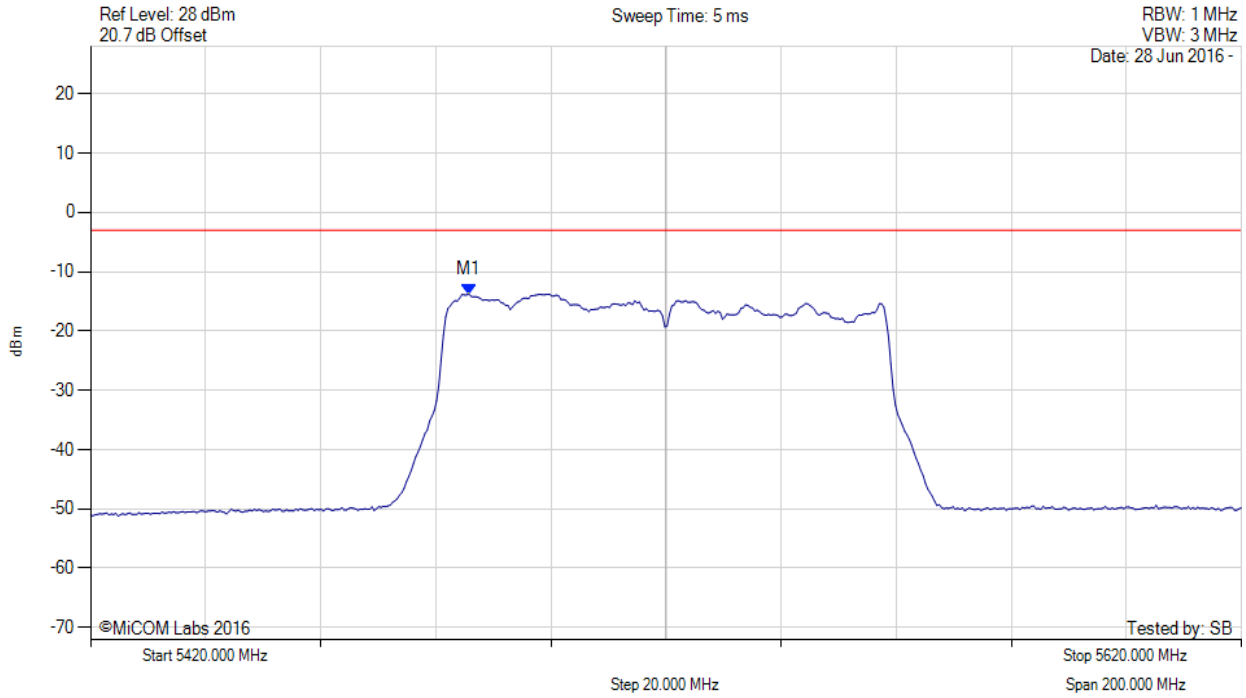


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5705.700 MHz : -4.785 dBm M1 + DCCF : 5705.700 MHz : -4.608 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 0.0 dBm Margin: -4.6 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

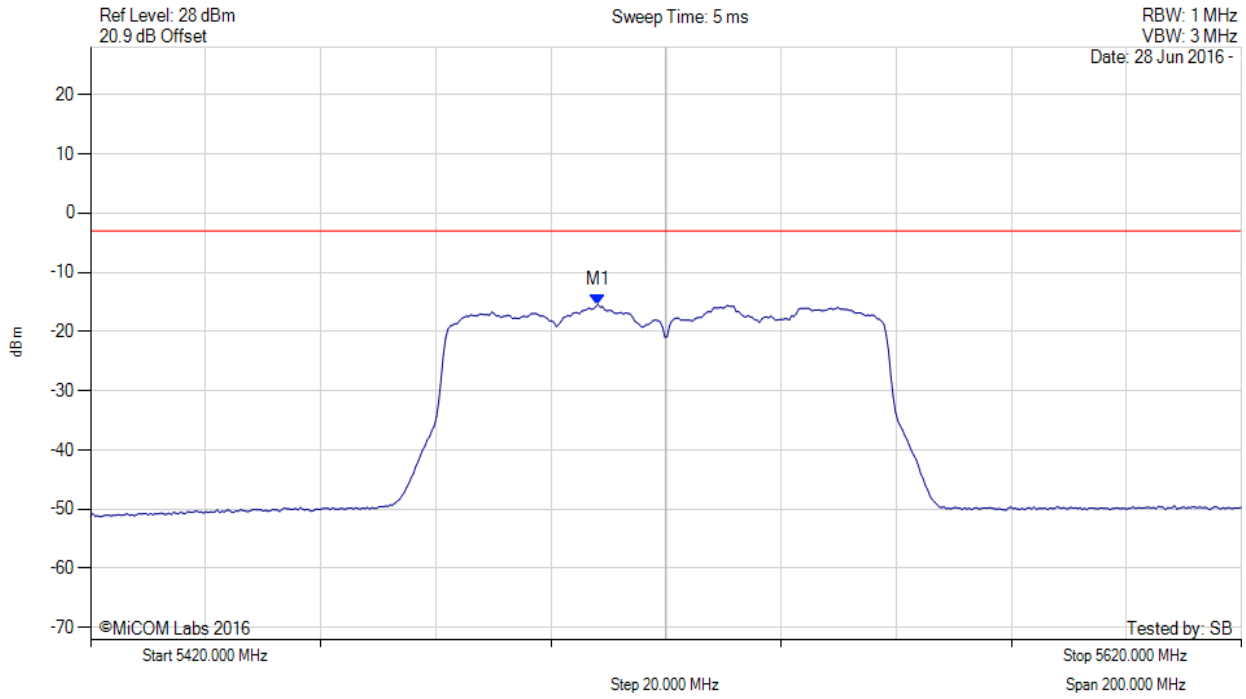


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5485.731 MHz : -13.763 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

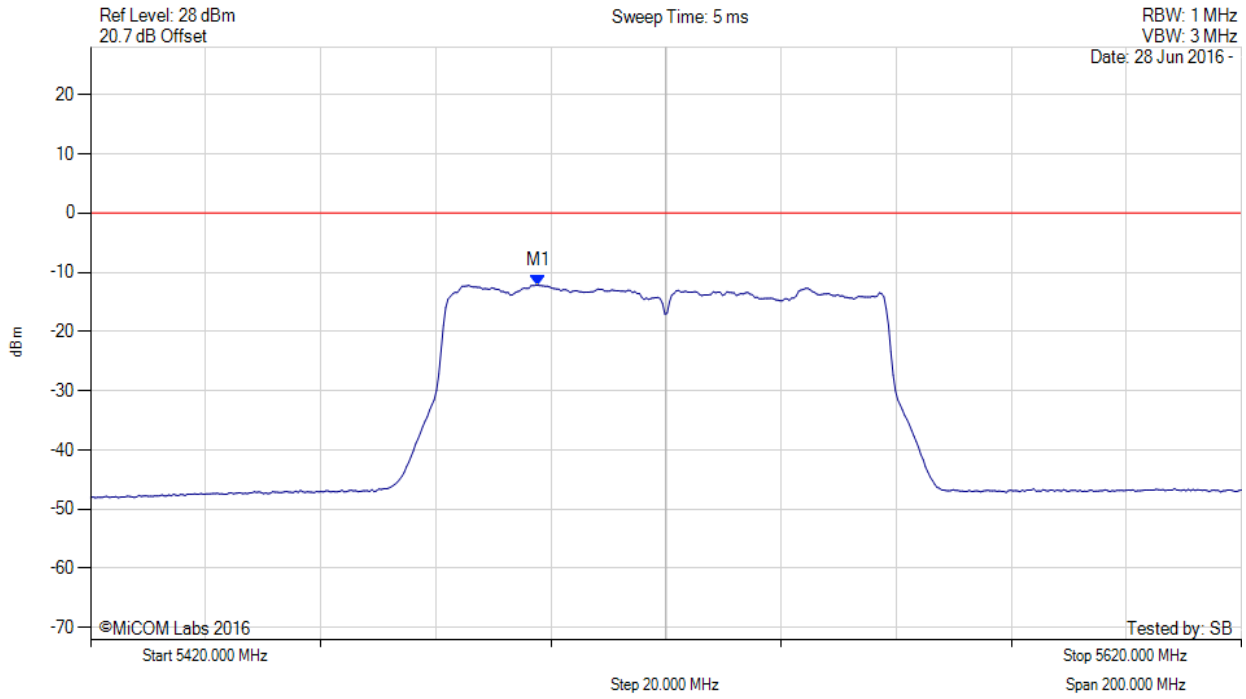


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5508.176 MHz : -15.433 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

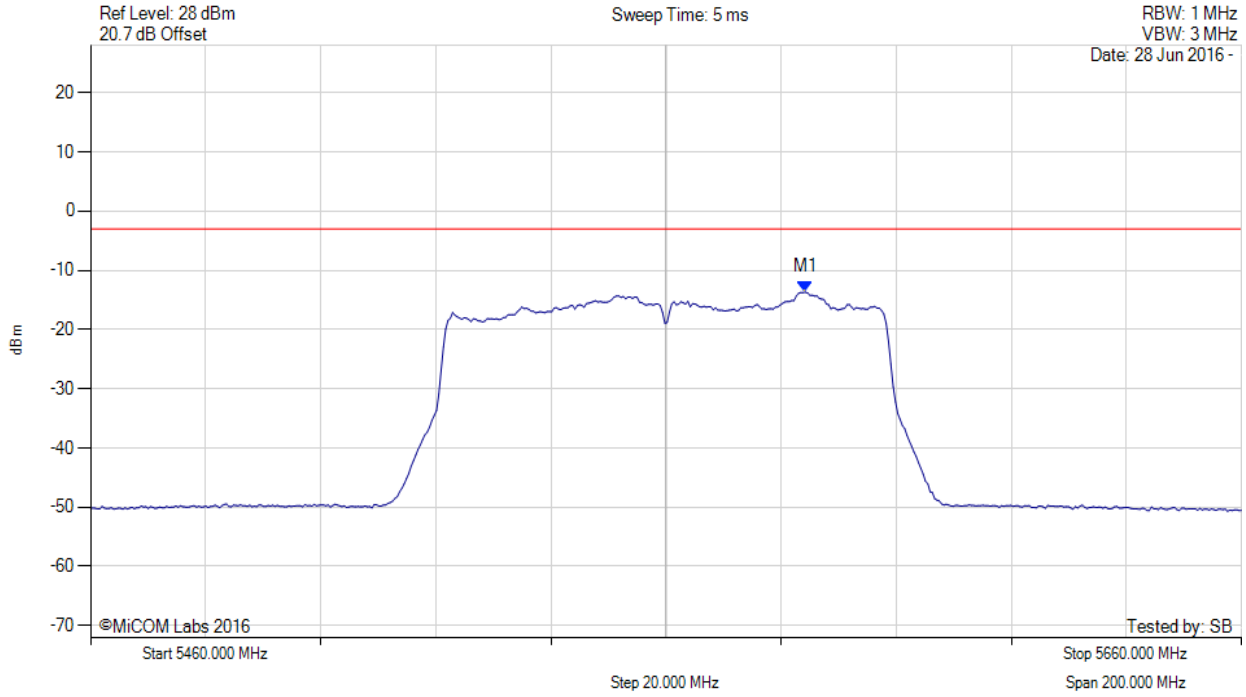


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5497.800 MHz : -12.189 dBm M1 + DCCF : 5497.800 MHz : -12.012 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 0.0 dBm Margin: -12.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

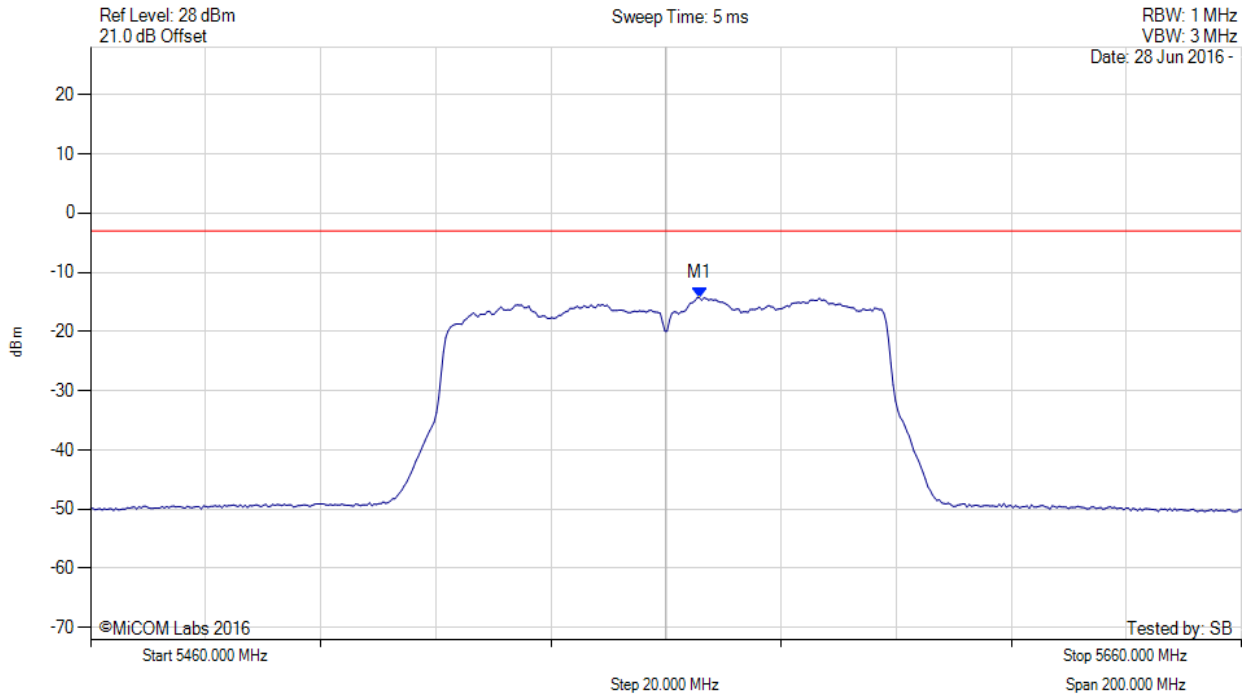


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5584.248 MHz : -13.680 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

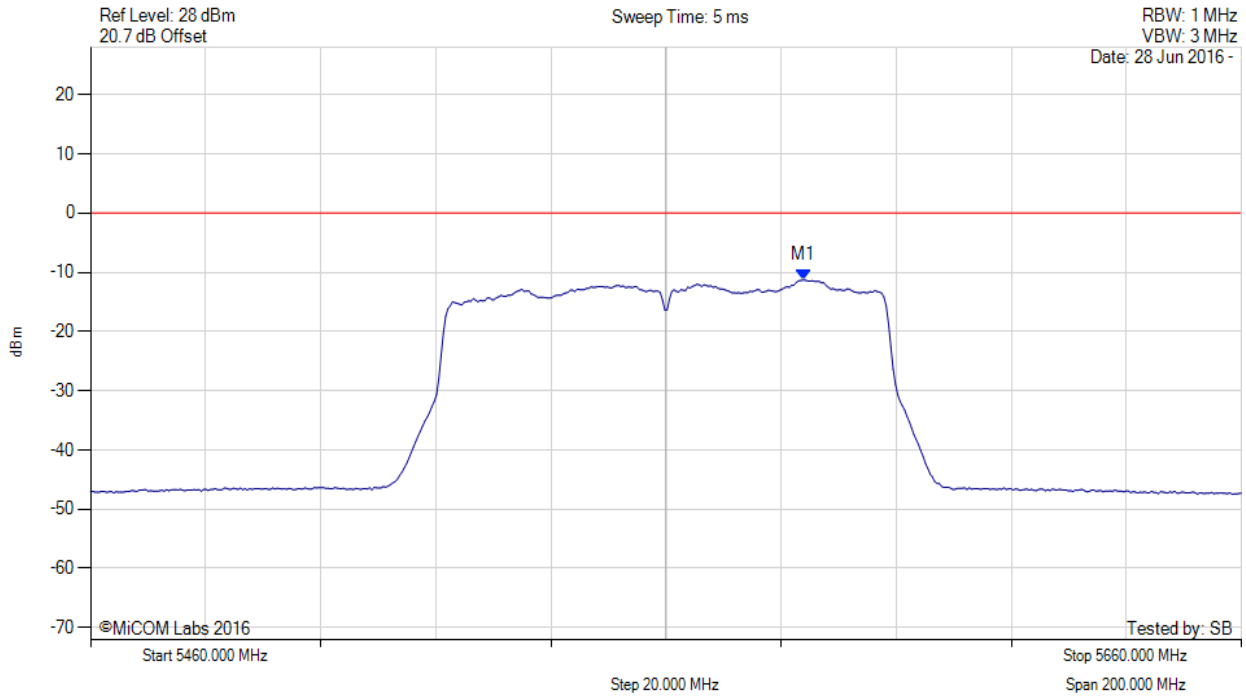


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5565.812 MHz : -14.291 dBm	Channel Frequency: 5560.00 MHz

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

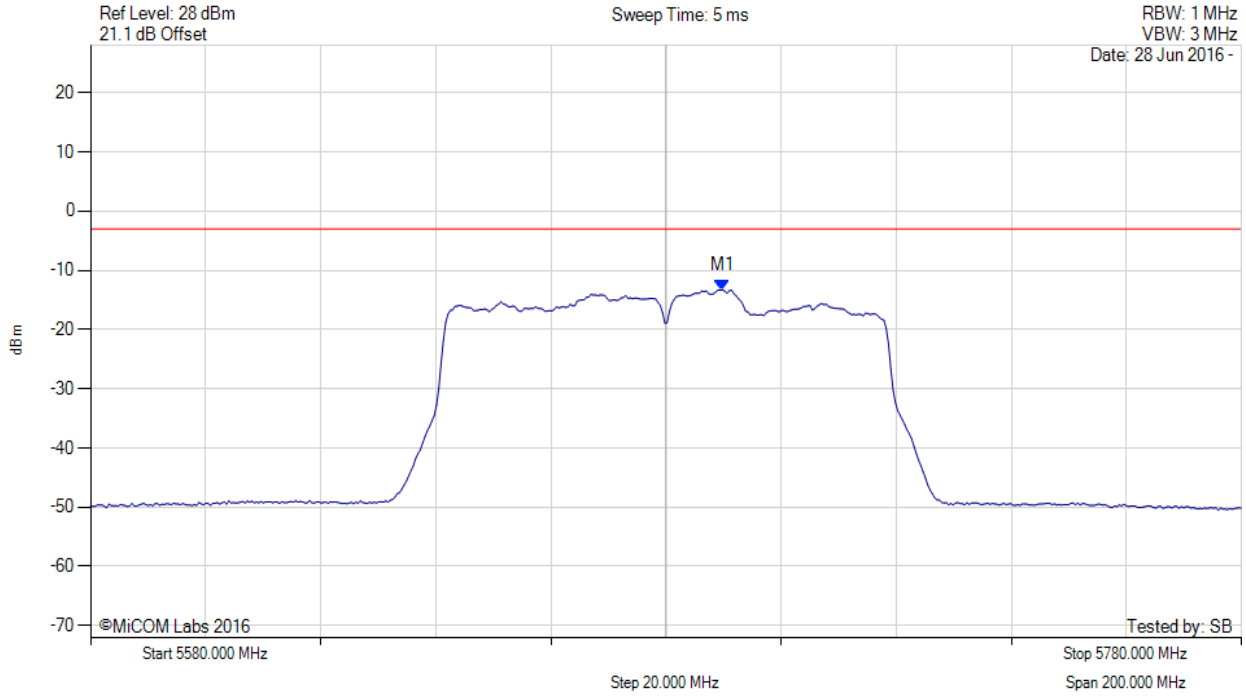


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5583.800 MHz : -11.302 dBm M1 + DCCF : 5583.800 MHz : -11.125 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 0.0 dBm Margin: -11.1 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5680.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

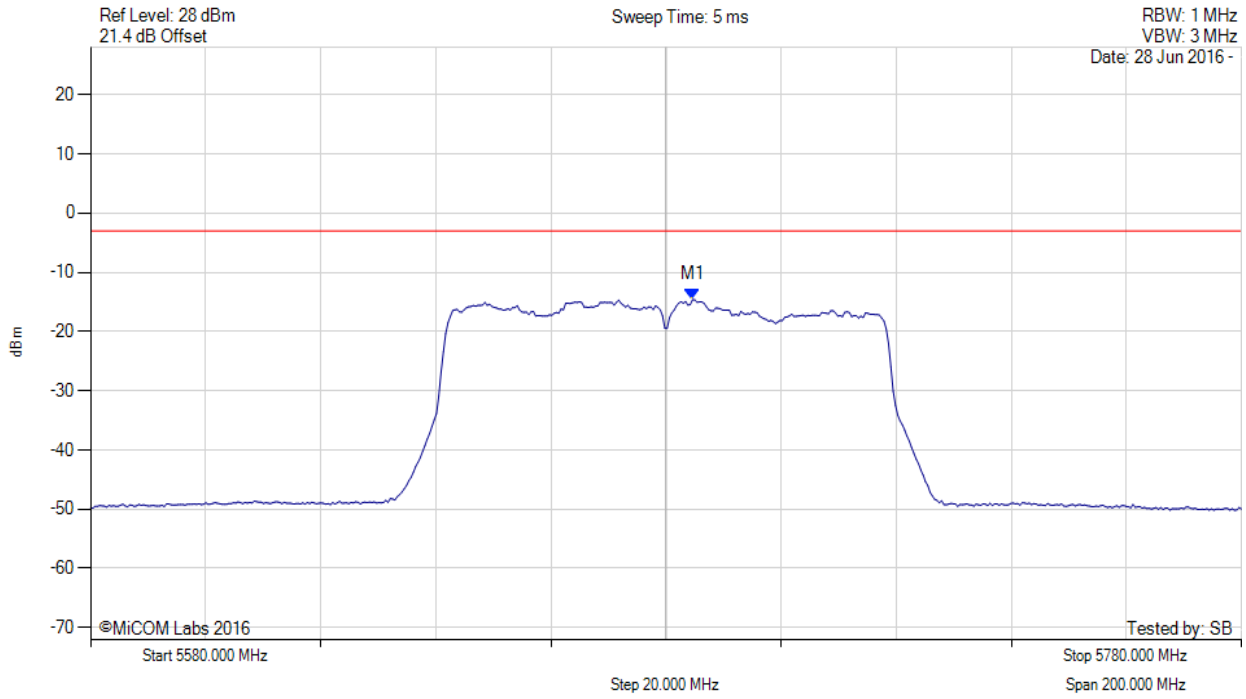


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5689.820 MHz : -13.330 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5680.00 MHz, Chain b, Temp: 20, Voltage: 24 Vdc

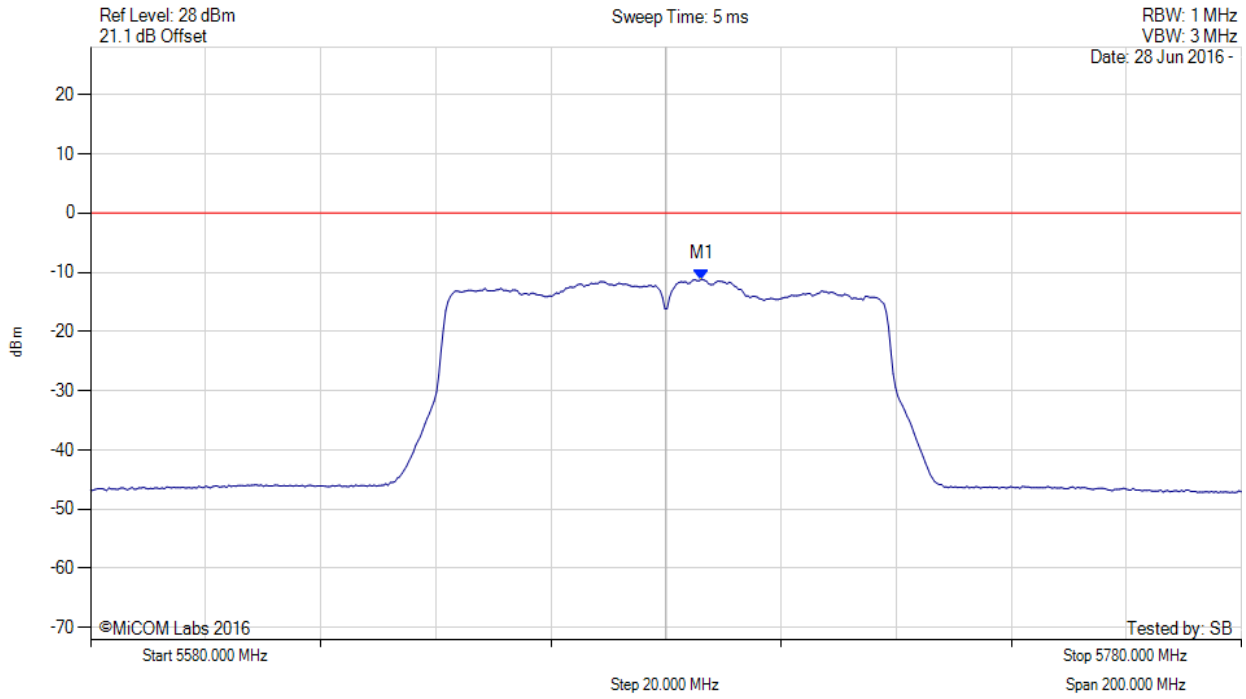


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5684.609 MHz : -14.634 dBm	Limit: ≤ -3.010 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5680.00 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 : 5686.200 MHz : -11.162 dBm M1 + DCCF : 5686.200 MHz : -10.985 dBm Duty Cycle Correction Factor : +0.18 dB	Limit: ≤ 0.0 dBm Margin: -11.0 dB

back to matrix

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