TEST REPORT ADDENDUM - CONDUCTED

FROM

Test of: Actiontec Electronics Inc T3200BV, C2300A

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: ATEC23–U10 Conducted Rev A (DFS Bands)

This report supersedes: NONE

Note: this report is one of a set of reports that together address the requirements of the standard for certification purposes.

Master Document Number	Addendum Reports
ATEC23-U10_Master	ATEC23-U10_Conducted
	ATEC23-U10_Radiated
	ATEC23-U10_DFS
	ATEC23-U2 (FCC Part 15B & ICES-003)

Applicant: Actiontec Electronics Inc
760 N Mary Avenue
Sunnyvale, California 94085
USA

Product Function: Bonded VDSL2/G.fast Wireless AC Gateway Router

Issue Date: 17th April 2017

This Test Report is Issued Under the Authority of:

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TESTING CERT #2381.01

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1. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	13th April 2017	
Rev A	17th April 2017	Initial release.
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In the above table the latest report revision will replace all earlier versions.

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2. 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)

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3. TEST SUMMARY

List of Measurements

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

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4. TEST RESULTS

4.1. 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

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of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5250-5350 and 5470 – 5725 MHz

15. 407 (a)(2)
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5725 – 5850 MHz

15. 407 (a)(3)
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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5250.00-5350.00MHz

Equipment Configuration for Peak Transmit Power			
Variant:	802.11a	**Duty Cycle (%):**	92.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5260.0	16.38	16.85	17.76	17.27	23.12	22.04	24.00	-0.88	13.00
5300.0	16.88	17.98	18.31	17.55	23.73	22.04	24.00	-0.27	12.00
5320.0	16.43	17.84	18.19	18.35	23.79	22.12	24.00	-0.21	11.00

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

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

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Variant:	802.11ac-80	**Duty Cycle (%):**	94.0
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5290.0	16.69	17.74	18.39	17.78	23.71	83.69	24.00	-0.29	12.00

Traceability to Industry Recognized Test Methodologies

Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Measurement Uncertainty:	

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

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Equipment Configuration for Peak Transmit Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5260.0	16.46	16.89	18.10	17.30	23.25	23.72	24.00	-0.75	13.00
5300.0	16.77	17.65	18.47	18.07	23.81	23.64	24.00	-0.19	12.00
5320.0	16.14	17.26	17.24	17.54	23.10	23.72	24.00	-0.9	10.00

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

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

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Equipment Configuration for Peak Transmit Power

Variant:	802.11n HT-40	**Duty Cycle (%):**	97.0
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5270.0	17.18	17.88	18.61	17.80	23.92	42.97	24.00	-0.08	12.00
5310.0	15.95	17.55	17.37	17.24	23.09	42.97	24.00	-0.91	10.00

Traceability to Industry Recognized Test Methodologies

Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Measurement Uncertainty:	±1.33 dB

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

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5470.00-5725.00MHz

Equipment Configuration for Peak Transmit Power

Variant:	802.11a	**Duty Cycle (%):**	94.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5500.0	16.41	17.39	17.66	17.55	23.30	22.53	24.00	-0.7	9.00
5580.0	16.44	15.82	17.75	17.47	22.96	22.61	24.00	-1.04	8.00
5720.0	16.38	16.96	17.51	18.50	23.43	22.53	24.00	-0.57	8.00

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

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

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Equipment Configuration for Peak Transmit Power			
Variant:	802.11ac-80	**Duty Cycle (%):**	94.0
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5530.0	16.17	16.18	17.84	16.88	22.84	84.33	24.00	-1.16	8.00
5610.0	16.24	16.62	17.97	16.23	22.85	83.69	24.00	-1.15	8.00
5690.0	16.45	17.50	18.68	17.94	23.74	84.01	24.00	-0.26	8.00

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

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

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Equipment Configuration for Peak Transmit Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5500.0	16.41	17.10	17.93	17.75	23.36	23.97	24.00	-0.64	9.00
5580.0	16.76	15.82	17.74	17.82	23.13	24.05	24.00	-0.87	8.00
5720.0	16.42	17.35	17.77	18.82	23.70	24.05	24.00	-0.3	8.00

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

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

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Equipment Configuration for Peak Transmit Power			
Variant:	802.11n HT-40	**Duty Cycle (%):**	97.0
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5510.0	16.12	16.64	18.10	16.69	22.97	42.97	24.00	-1.03	8.00
5550.0	16.24	15.72	18.34	17.07	22.98	42.97	24.00	-1.02	8.00
5710.0	16.39	17.42	17.82	17.64	23.37	43.13	24.00	-0.63	8.00

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

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

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4.2. 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.

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5250.00-5350.00MHz

Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11a	**Duty Cycle (%):**	92.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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	22.044	22.846	22.685	22.766	22.846	22.044		
5300.0	22.044	23.006	22.605	22.926	23.006	22.044		
5320.0	22.124	23.006	22.926	22.766	23.006	22.124		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	16.754	16.834	16.834	16.834	16.834	16.754		
5300.0	16.754	16.834	16.834	16.834	16.834	16.754		
5320.0	16.754	16.834	16.834	16.834	16.834	16.754		

Traceability to Industry Recognized Test Methodologies

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

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

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11ac-80	**Duty Cycle (%):**	94.0
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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	84.008	84.008	83.687	84.008	84.008	83.687		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5290.0	75.671	75.351	75.671	75.671	75.671	75.351		

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

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

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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	24.048	24.128	23.968	23.727	24.128	23.727		
5300.0	24.128	24.048	23.888	23.647	24.128	23.647		
5320.0	24.208	23.968	24.048	23.727	24.208	23.727		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	18.036	18.116	18.116	18.116	18.116	18.036		
5300.0	18.116	18.116	18.116	18.116	18.116	18.116		
5320.0	18.116	18.116	18.116	18.116	18.116	18.116		

Traceability to Industry Recognized Test Methodologies

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

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

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11n HT-40	**Duty Cycle (%):**	97.0
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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	42.966	42.966	42.966	43.126	43.126	42.966		
5310.0	43.126	43.126	42.966	43.126	43.126	42.966		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5270.0	36.713	36.713	36.713	36.713	36.713	36.713		
5310.0	36.713	36.713	36.713	36.713	36.713	36.713		

Traceability to Industry Recognized Test Methodologies

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

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

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5470.00-5725.00MHz

Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11a	**Duty Cycle (%):**	94.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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**		
5500.0	22.525	23.327	22.846	23.327	23.327	22.525		
5580.0	22.605	23.246	22.926	23.327	23.327	22.605		
5720.0	22.525	23.327	23.567	23.727	23.727	22.525		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	16.754	16.914	16.834	16.834	16.914	16.754		
5580.0	16.754	16.914	16.834	16.834	16.914	16.754		
5720.0	16.754	16.914	16.834	16.834	16.914	16.754		

Traceability to Industry Recognized Test Methodologies

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

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

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11ac-80	**Duty Cycle (%):**	94.0
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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**		
5530.0	84.329	84.649	84.329	84.329	84.649	84.329		
5610.0	84.329	84.008	83.687	84.649	84.649	83.687		
5690.0	84.329	84.329	84.008	84.649	84.649	84.008		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5530.0	75.992	75.992	75.992	75.671	75.992	75.671		
5610.0	75.992	75.992	75.992	75.671	75.992	75.671		
5690.0	75.992	75.671	75.992	75.671	75.992	75.671		

Traceability to Industry Recognized Test Methodologies

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

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

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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**		
5500.0	23.968	24.128	24.208	24.289	24.289	23.968		
5580.0	24.048	24.128	24.208	24.289	24.289	24.048		
5720.0	24.048	24.369	24.128	24.048	24.369	24.048		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	18.116	18.116	18.116	18.116	18.116	18.116		
5580.0	18.116	18.116	18.116	18.116	18.116	18.116		
5720.0	18.116	18.116	18.116	18.116	18.116	18.116		

Traceability to Industry Recognized Test Methodologies

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

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

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	802.11n HT-40	**Duty Cycle (%):**	97.0
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
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**		
5510.0	42.966	43.287	43.447	43.607	43.607	42.966		
5550.0	42.966	43.126	42.966	43.607	43.607	42.966		
5710.0	43.126	43.287	43.126	43.126	43.287	43.126		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5510.0	36.713	36.713	36.713	36.874	36.874	36.713		
5550.0	36.713	36.713	36.713	36.874	36.874	36.713		
5710.0	36.713	36.713	36.713	36.874	36.874	36.713		

Traceability to Industry Recognized Test Methodologies

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

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

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4.3. 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

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

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

Operating Frequency Band 5250-5350 and 5470 – 5725 MHz

15. 407 (a)(2)
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5725 – 5850 MHz

15. 407 (a)(3)
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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5250.00-5350.00MHz

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	92.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.36 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5260.0	1.126	-0.709	1.064	0.912	5.780	11.0	-5.2
5300.0	0.057	-0.985	-0.602	-0.153	5.017	11.0	-6.0
5320.0	-1.094	-2.549	-1.891	-0.608	3.964	11.0	-7.1

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

DCCF - Duty Cycle Correction Factor

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

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Equipment Configuration for Power Spectral Density			
Variant:	802.11ac-80	**Duty Cycle (%):**	94.0
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results							
Test Frequency	**Measured Power Spectral Density Port(s) (dBm/MHz)**				**Summation Peak Marker + DCCF (+0.27 dB)**	**Limit**	**Margin**
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5290.0	-5.910	-6.469	-5.597	-5.075	-0.153	11.0	-11.2

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

DCCF - Duty Cycle Correction Factor

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

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Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5260.0	1.625	0.700	1.080	2.130	7.354	11.0	-3.7
5300.0	0.500	-0.355	-0.033	1.187	6.333	11.0	-4.7
5320.0	-1.736	-2.739	-1.999	-1.305	4.136	11.0	-6.9

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

DCCF - Duty Cycle Correction Factor

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

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Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-40	**Duty Cycle (%):**	97.0
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.70
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.13 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5270.0	-2.203	-3.447	-2.578	-1.696	3.354	11.0	-7.7
5310.0	-4.908	-6.072	-5.213	-4.676	0.618	11.0	-10.4

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

DCCF - Duty Cycle Correction Factor

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

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5470.00-5725.00MHz

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	94.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5500.0	-6.182	-6.683	-7.317	-5.853	-1.964	11.0	-13.0
5580.0	-3.869	-5.886	-6.498	-4.474	0.466	11.0	-10.6
5720.0	-5.011	-6.787	-6.144	-5.614	-0.890	11.0	-11.9

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).

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Equipment Configuration for Power Spectral Density			
Variant:	802.11ac-80	**Duty Cycle (%):**	94.0
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5530.0	-10.700	-12.389	-11.798	-10.063	-5.363	11.0	-16.4
5610.0	-11.710	-14.529	-12.048	-11.377	-6.206	11.0	-17.2
5690.0	-11.330	-12.961	-12.082	-10.653	-5.607	11.0	-16.6

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).

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Equipment Configuration for Power Spectral Density

Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5500.0	-3.393	-4.472	-4.306	-2.677	1.965	11.0	-9.1
5580.0	-3.986	-5.216	-5.714	-3.816	1.397	11.0	-9.6
5720.0	-4.374	-5.781	-5.579	-5.322	0.749	11.0	-10.3

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

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Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-40	**Duty Cycle (%):**	97.0
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	OC
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.13 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5510.0	-7.560	-9.835	-9.034	-7.074	-2.484	11.0	-13.5
5550.0	-7.102	-9.199	-8.736	-6.659	-1.896	11.0	-12.9
5710.0	-8.082	-10.017	-8.600	-7.824	-2.684	11.0	-13.7

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

DCCF - Duty Cycle Correction Factor

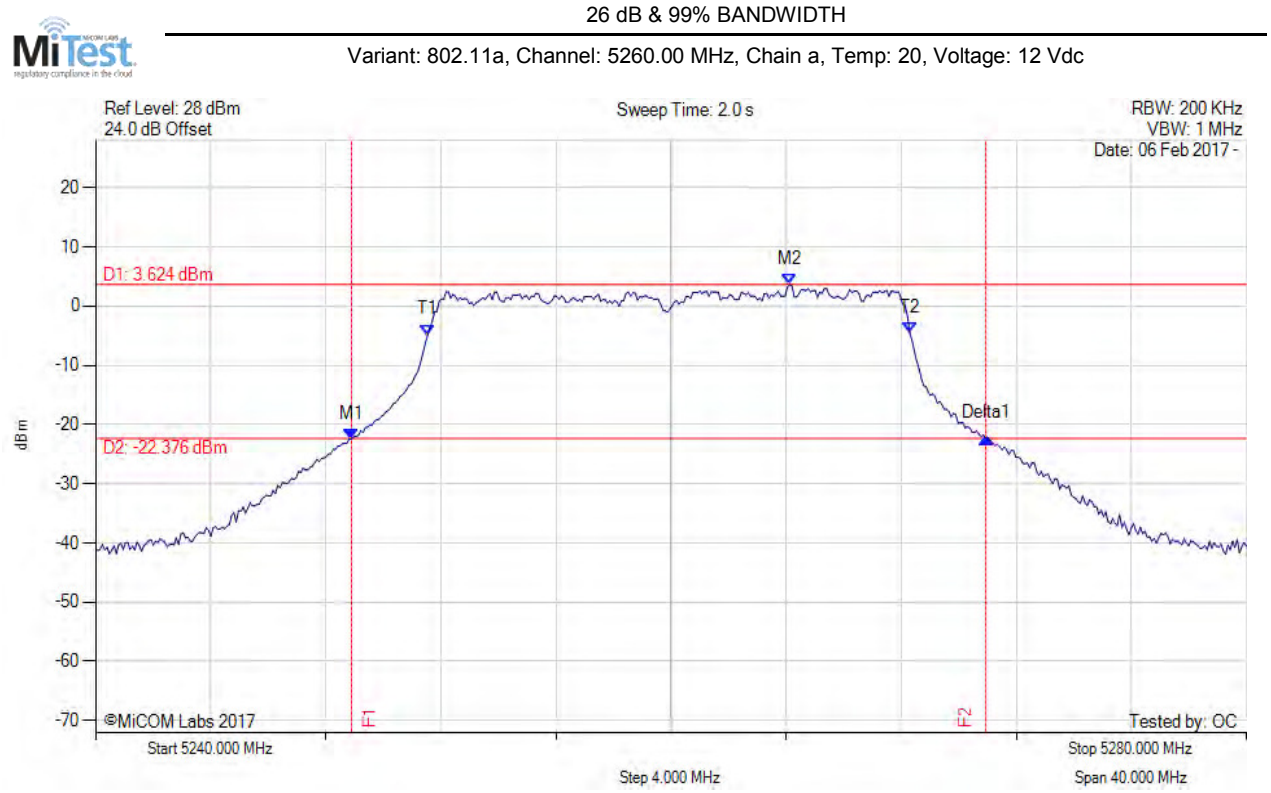
Note: click the links in the above matrix to view the graphical image (plot).

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A. APPENDIX - GRAPHICAL IMAGES

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A.1. 26 dB & 99% Bandwidth



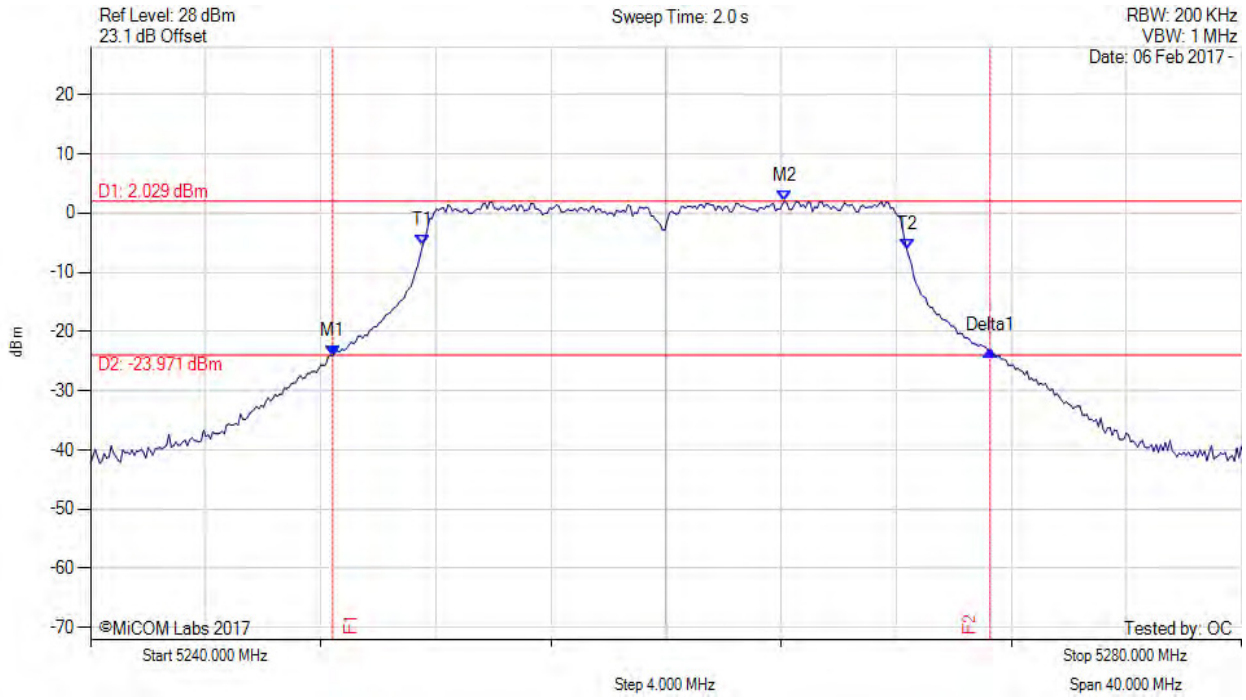
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.898 MHz : -22.453 dBm M2 : 5264.128 MHz : 3.624 dBm Delta1 : 22.044 MHz : 0.165 dB T1 : 5251.543 MHz : -4.863 dBm T2 : 5268.297 MHz : -4.548 dBm OBW : 16.754 MHz	Measured 26 dB Bandwidth: 22.044 MHz Measured 99% Bandwidth: 16.754 MHz

back to matrix

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26 dB & 99% BANDWIDTH

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



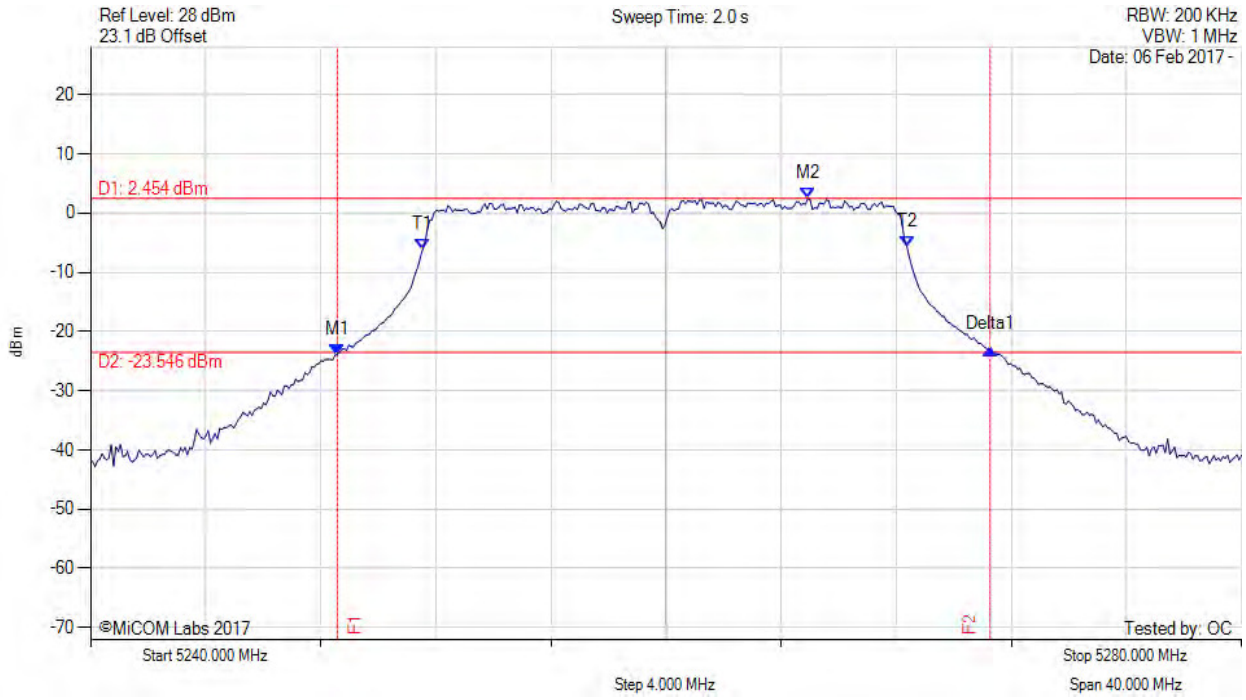
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.417 MHz : -24.050 dBm M2 : 5264.128 MHz : 2.029 dBm Delta1 : 22.846 MHz : 0.940 dB T1 : 5251.543 MHz : -5.461 dBm T2 : 5268.377 MHz : -6.212 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

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26 dB & 99% BANDWIDTH

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



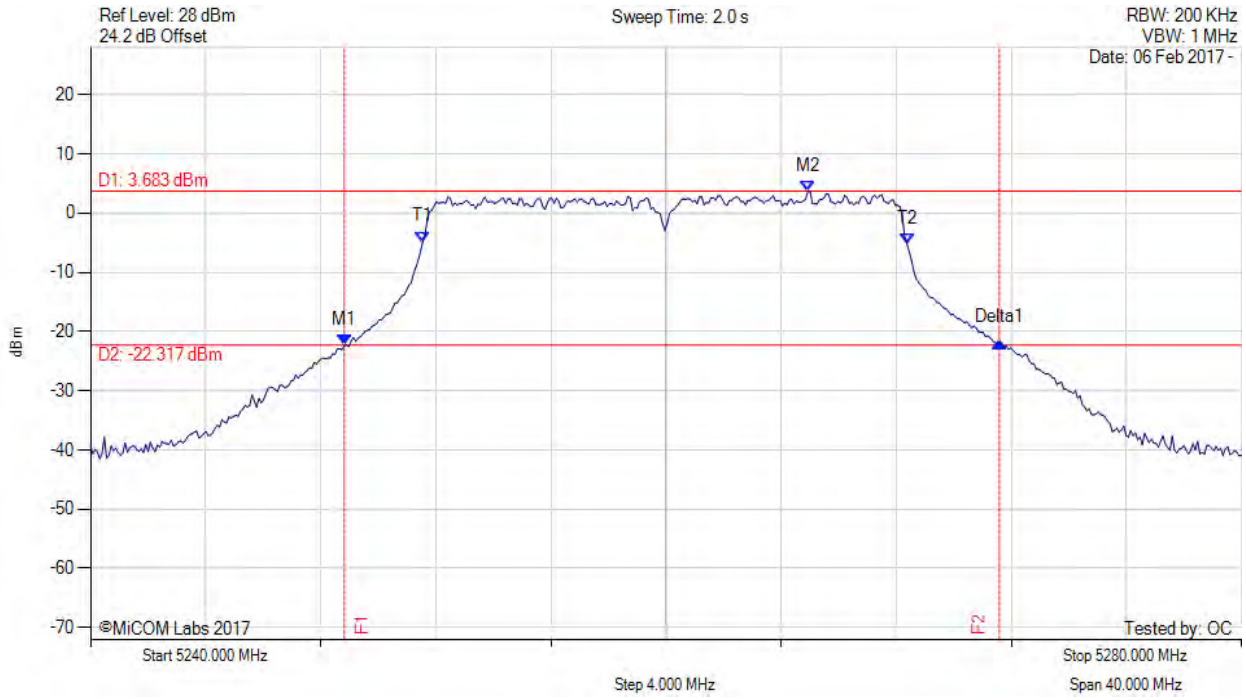
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.577 MHz : -23.917 dBm M2 : 5264.930 MHz : 2.454 dBm Delta1 : 22.685 MHz : 0.899 dB T1 : 5251.543 MHz : -6.140 dBm T2 : 5268.377 MHz : -5.681 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.685 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



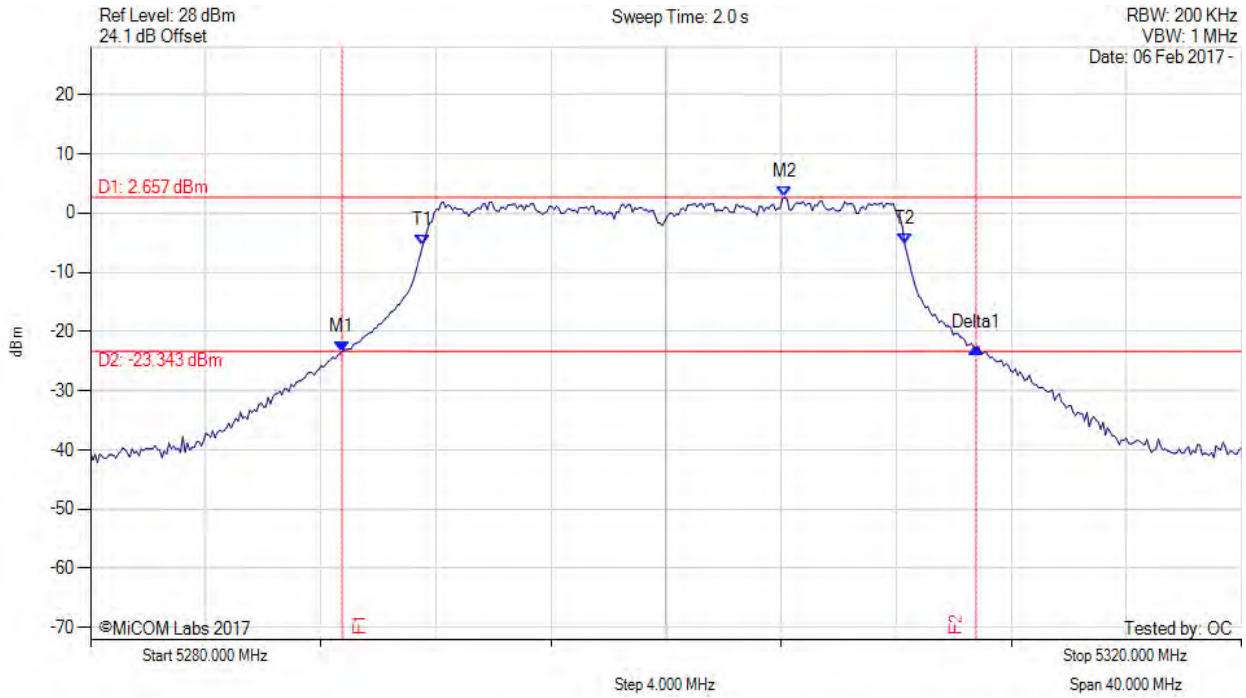
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.818 MHz : -22.358 dBm M2 : 5264.930 MHz : 3.683 dBm Delta1 : 22.766 MHz : 0.466 dB T1 : 5251.543 MHz : -4.871 dBm T2 : 5268.377 MHz : -5.172 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.766 MHz Measured 99% Bandwidth: 16.834 MHz

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

26 dB & 99% BANDWIDTH

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



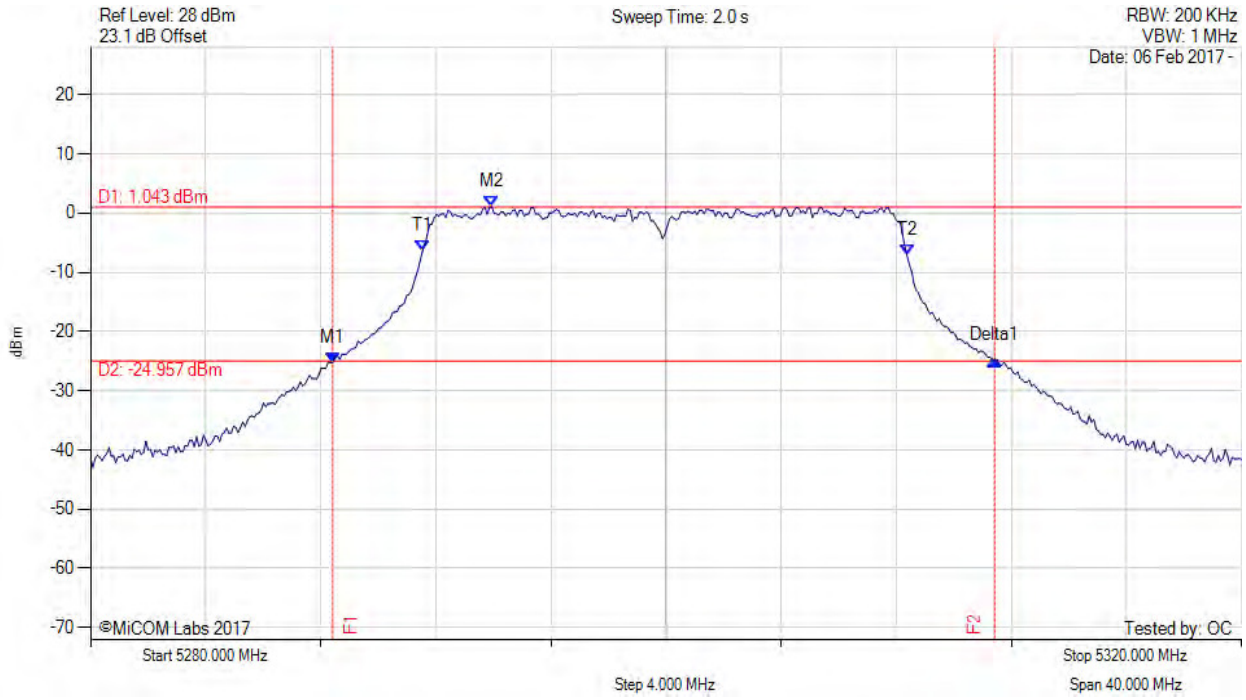
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.737 MHz : -23.405 dBm M2 : 5304.128 MHz : 2.657 dBm Delta1 : 22.044 MHz : 0.563 dB T1 : 5291.543 MHz : -5.441 dBm T2 : 5308.297 MHz : -5.301 dBm OBW : 16.754 MHz	Measured 26 dB Bandwidth: 22.044 MHz Measured 99% Bandwidth: 16.754 MHz

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26 dB & 99% BANDWIDTH

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



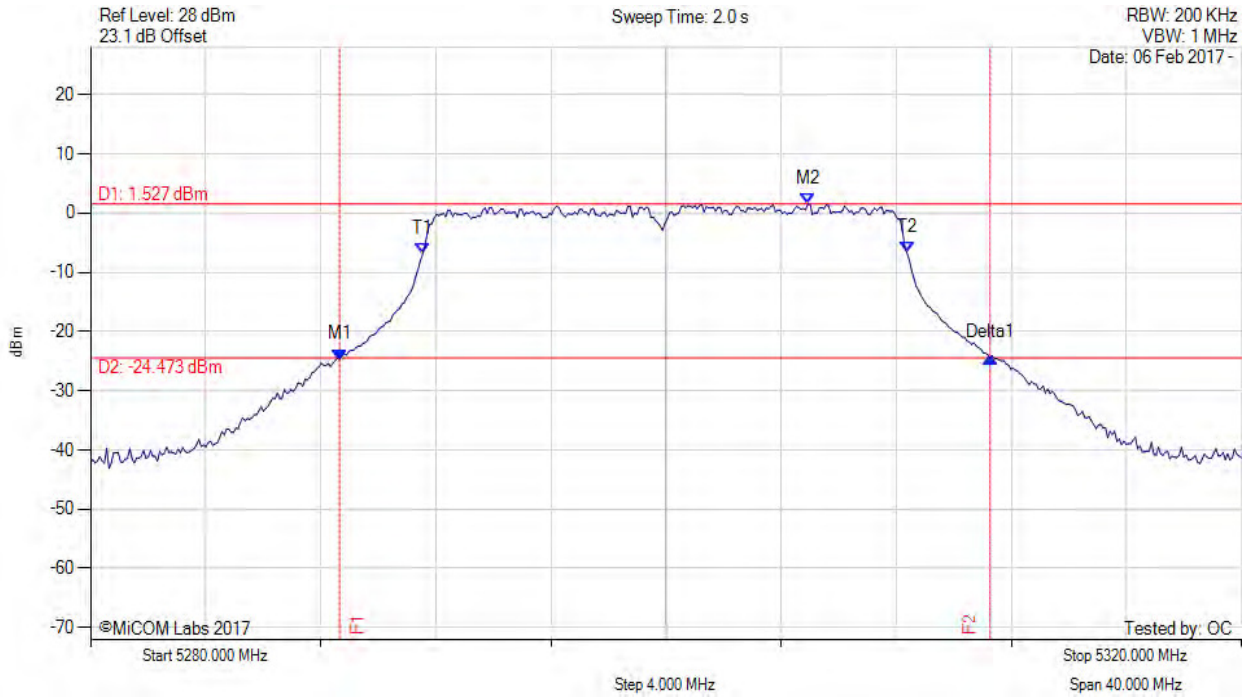
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.417 MHz : -25.213 dBm M2 : 5293.948 MHz : 1.043 dBm Delta1 : 23.006 MHz : 0.354 dB T1 : 5291.543 MHz : -6.315 dBm T2 : 5308.377 MHz : -7.115 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.006 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



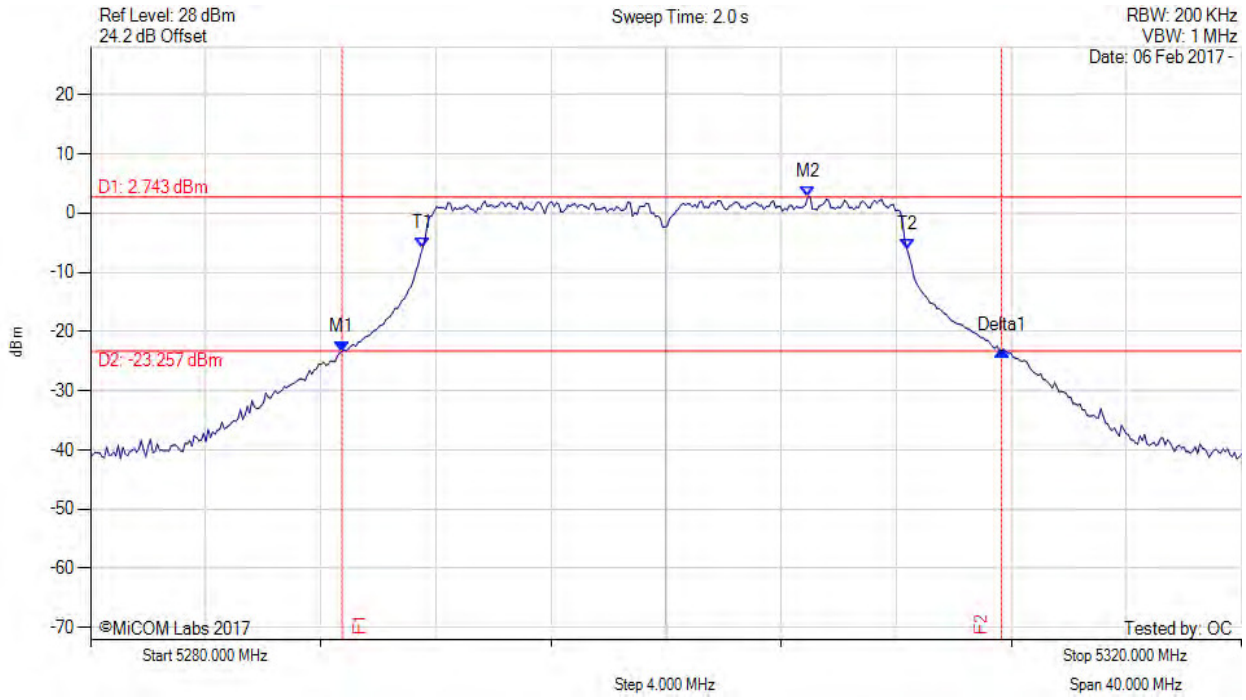
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.657 MHz : -24.743 dBm M2 : 5304.930 MHz : 1.527 dBm Delta1 : 22.605 MHz : 0.462 dB T1 : 5291.543 MHz : -6.905 dBm T2 : 5308.377 MHz : -6.706 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.605 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



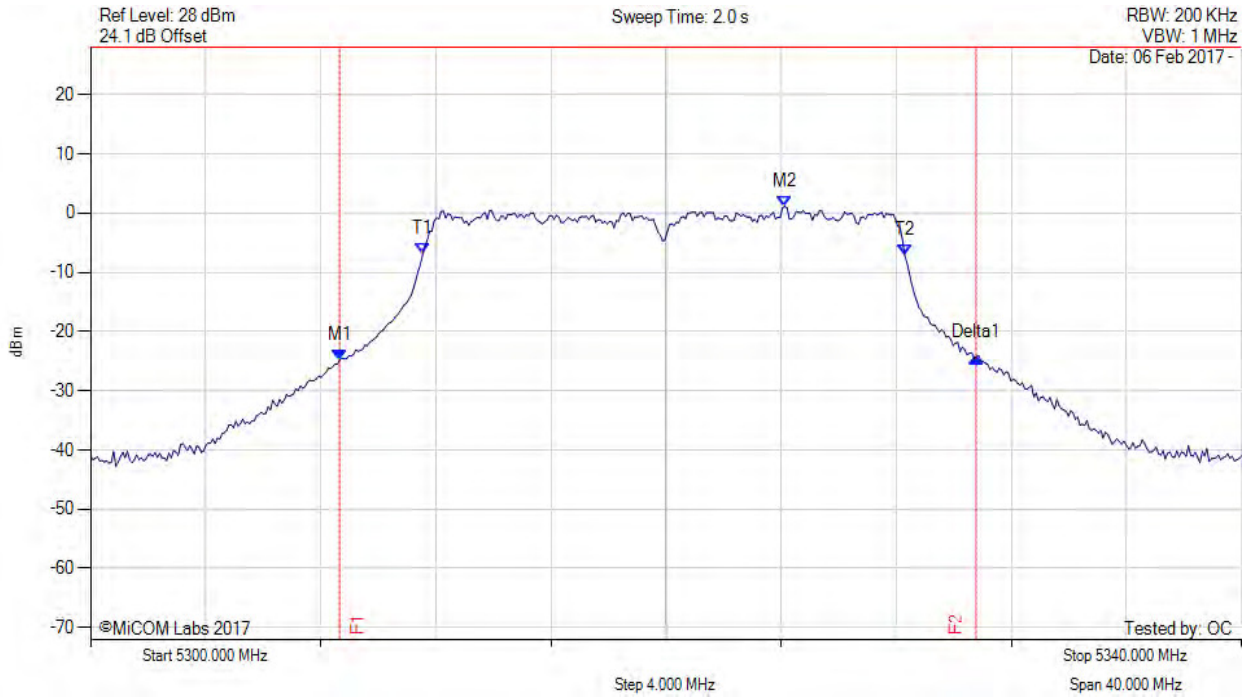
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.737 MHz : -23.381 dBm M2 : 5304.930 MHz : 2.743 dBm Delta1 : 22.926 MHz : 0.163 dB T1 : 5291.543 MHz : -5.837 dBm T2 : 5308.377 MHz : -6.092 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.926 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



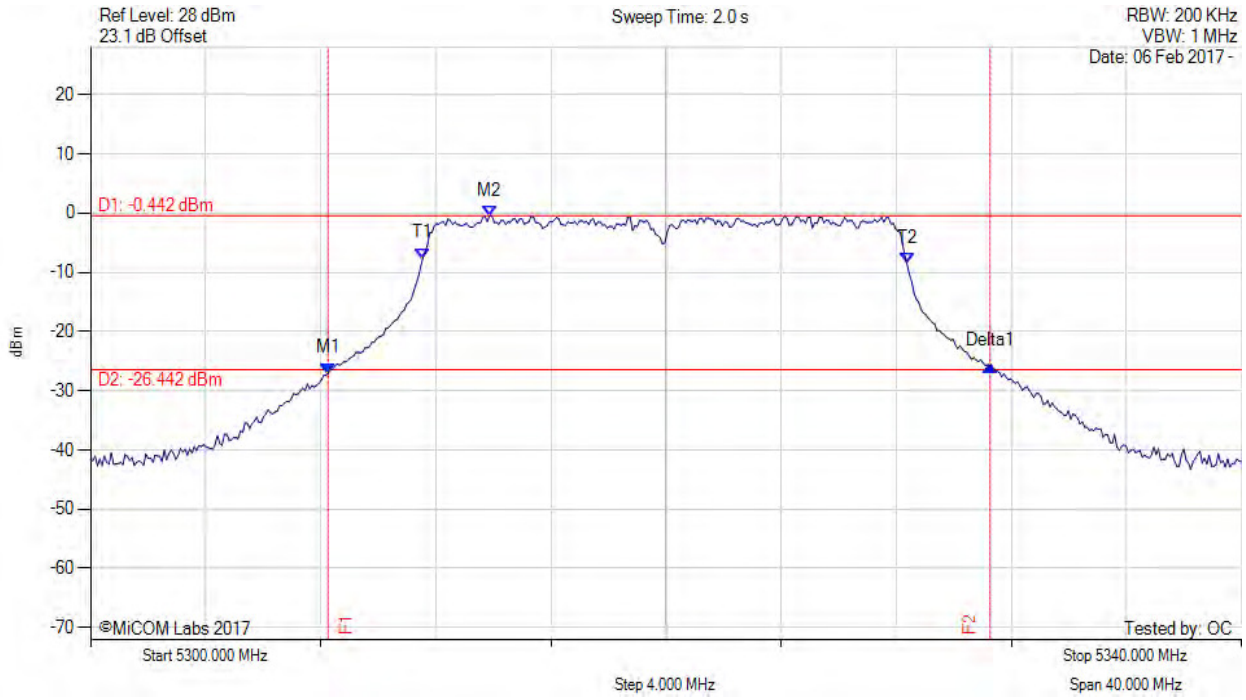
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.657 MHz : -24.873 dBm M2 : 5324.128 MHz : 1.130 dBm Delta1 : 22.124 MHz : 0.458 dB T1 : 5311.543 MHz : -6.950 dBm T2 : 5328.297 MHz : -7.159 dBm OBW : 16.754 MHz	Measured 26 dB Bandwidth: 22.124 MHz Measured 99% Bandwidth: 16.754 MHz

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26 dB & 99% BANDWIDTH

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



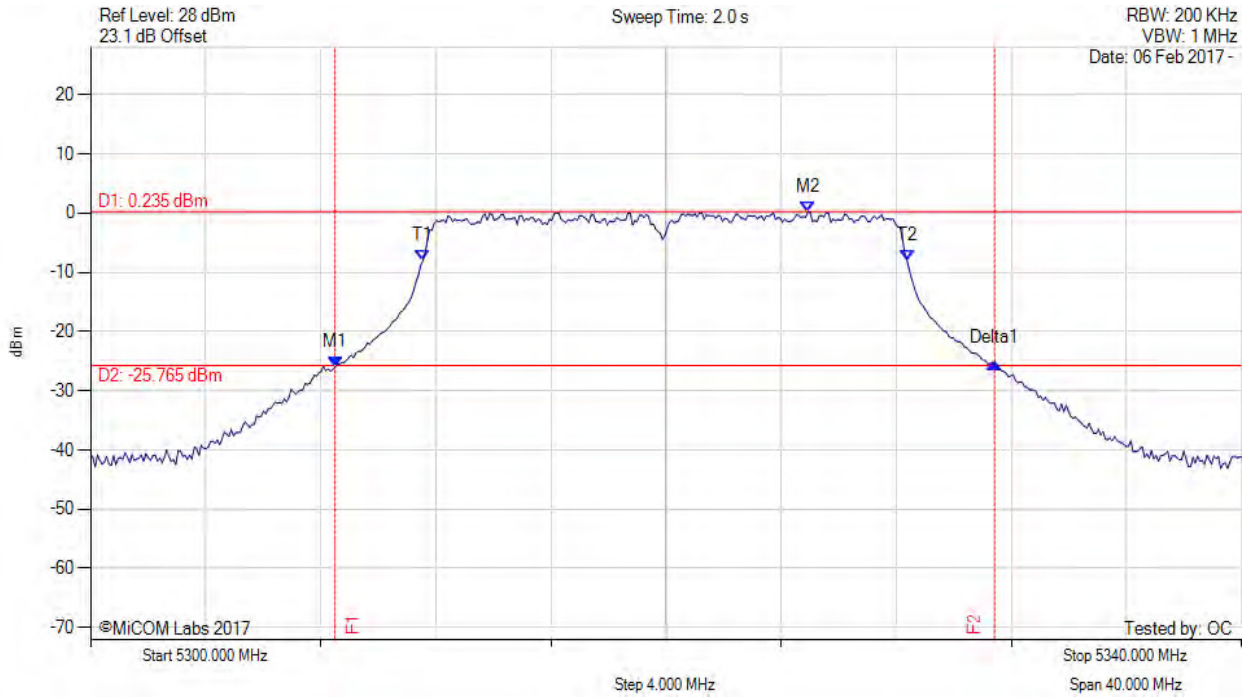
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.257 MHz : -27.072 dBm M2 : 5313.868 MHz : -0.442 dBm Delta1 : 23.006 MHz : 1.304 dB T1 : 5311.543 MHz : -7.666 dBm T2 : 5328.377 MHz : -8.557 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.006 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



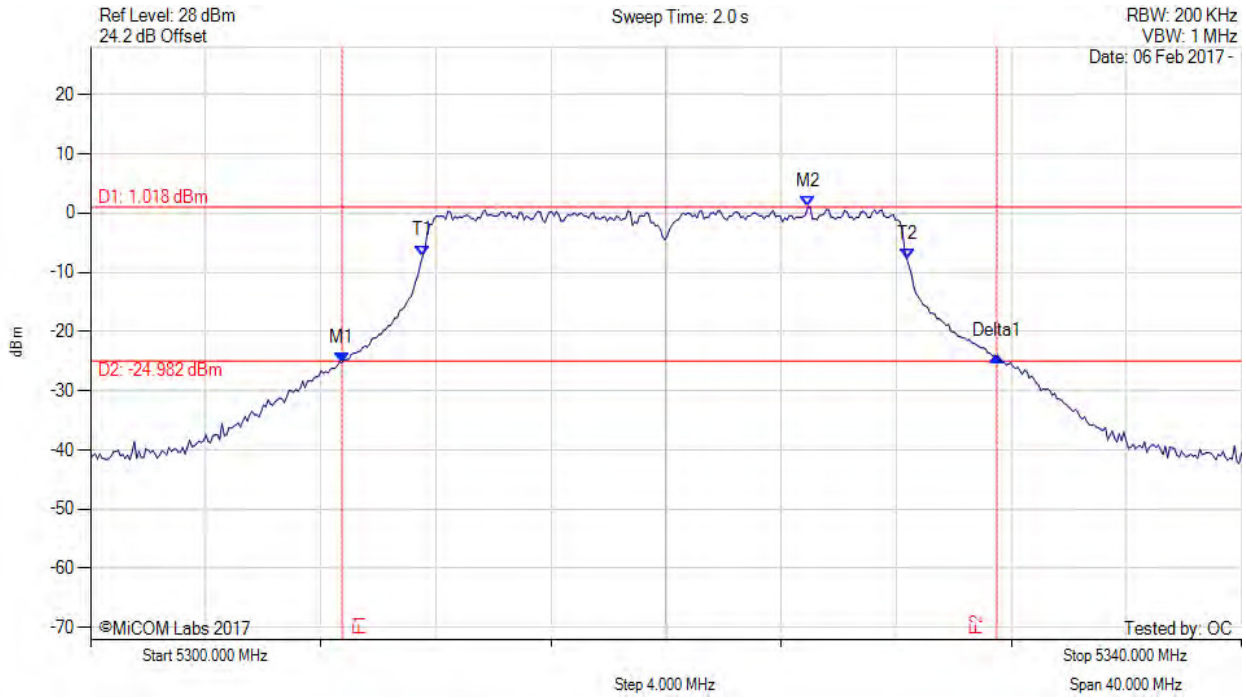
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.497 MHz : -25.992 dBm M2 : 5324.930 MHz : 0.235 dBm Delta1 : 22.926 MHz : 0.657 dB T1 : 5311.543 MHz : -8.101 dBm T2 : 5328.377 MHz : -7.922 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.926 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



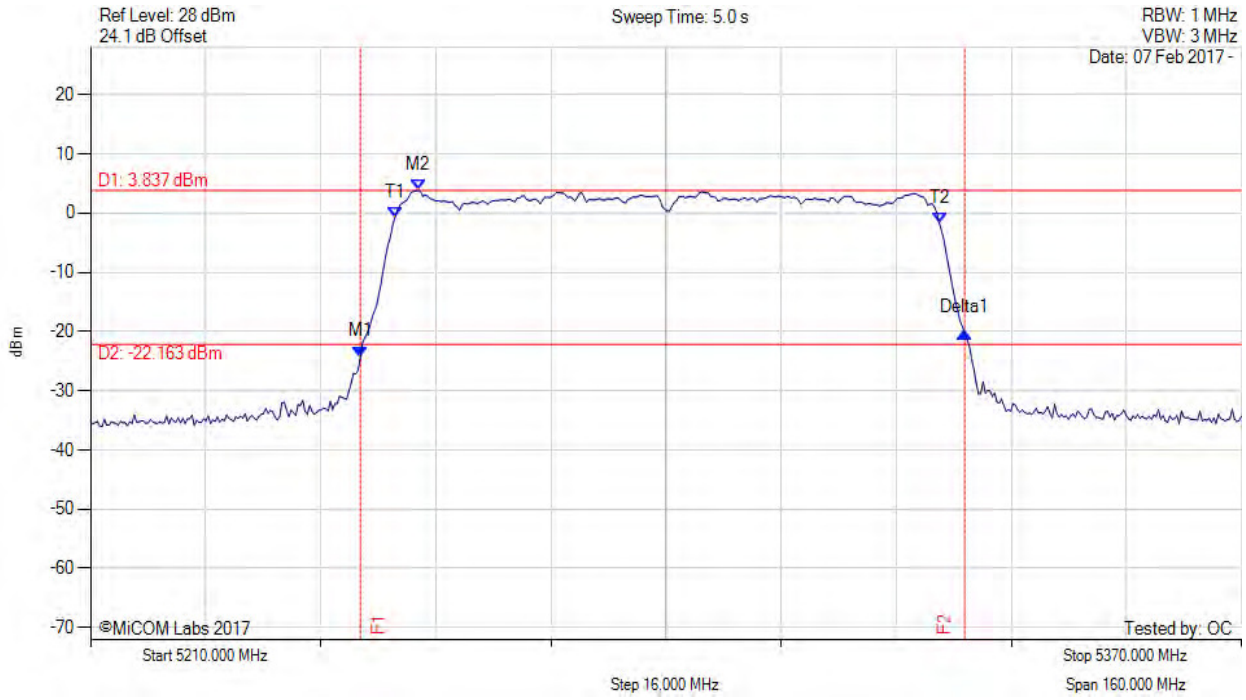
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.737 MHz : -25.235 dBm M2 : 5324.930 MHz : 1.018 dBm Delta1 : 22.766 MHz : 1.019 dB T1 : 5311.543 MHz : -7.194 dBm T2 : 5328.377 MHz : -7.800 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.766 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



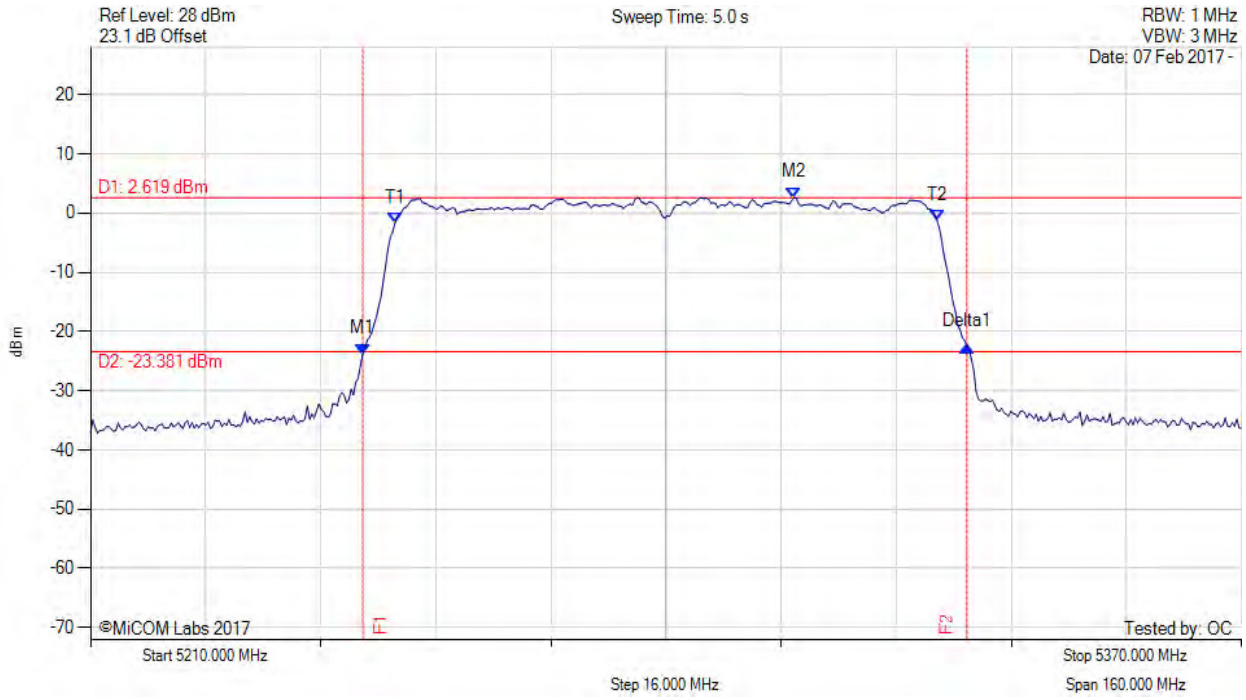
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.515 MHz : -24.251 dBm M2 : 5255.531 MHz : 3.837 dBm Delta1 : 84.008 MHz : 4.070 dB T1 : 5252.325 MHz : -0.802 dBm T2 : 5327.996 MHz : -1.654 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 84.008 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



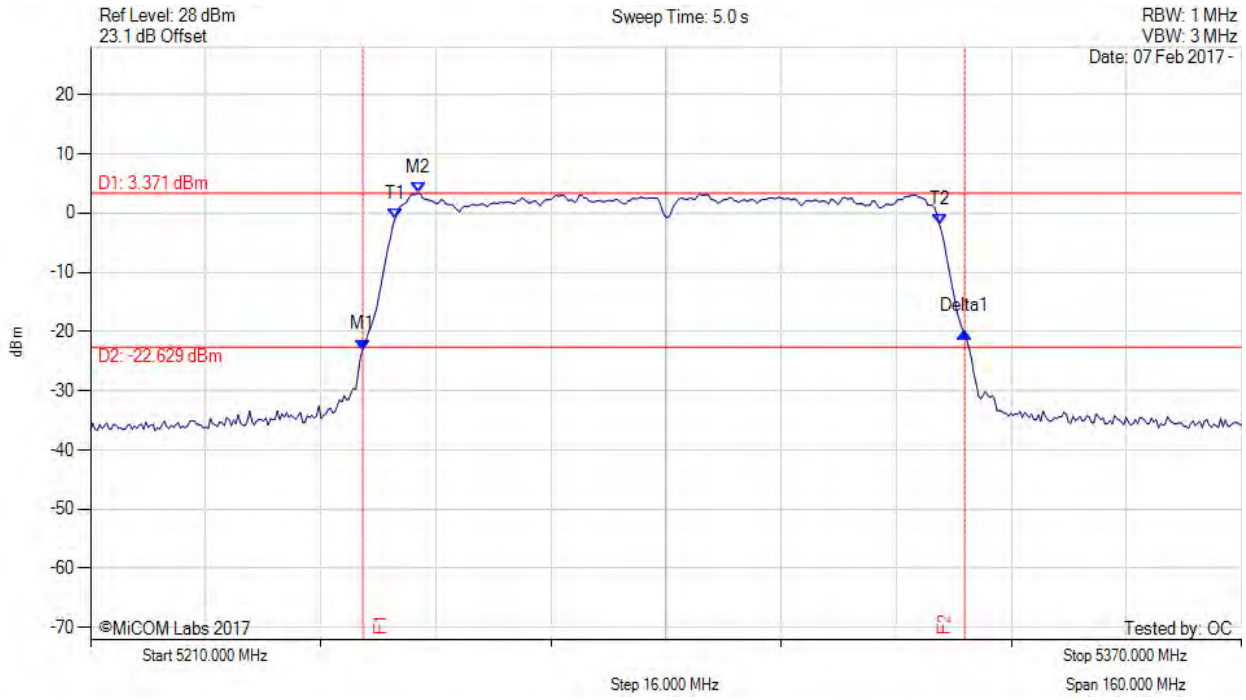
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.836 MHz : -23.806 dBm M2 : 5307.796 MHz : 2.619 dBm Delta1 : 84.008 MHz : 1.330 dB T1 : 5252.325 MHz : -1.660 dBm T2 : 5327.675 MHz : -1.156 dBm OBW : 75.351 MHz	Measured 26 dB Bandwidth: 84.008 MHz Measured 99% Bandwidth: 75.351 MHz

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26 dB & 99% BANDWIDTH

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



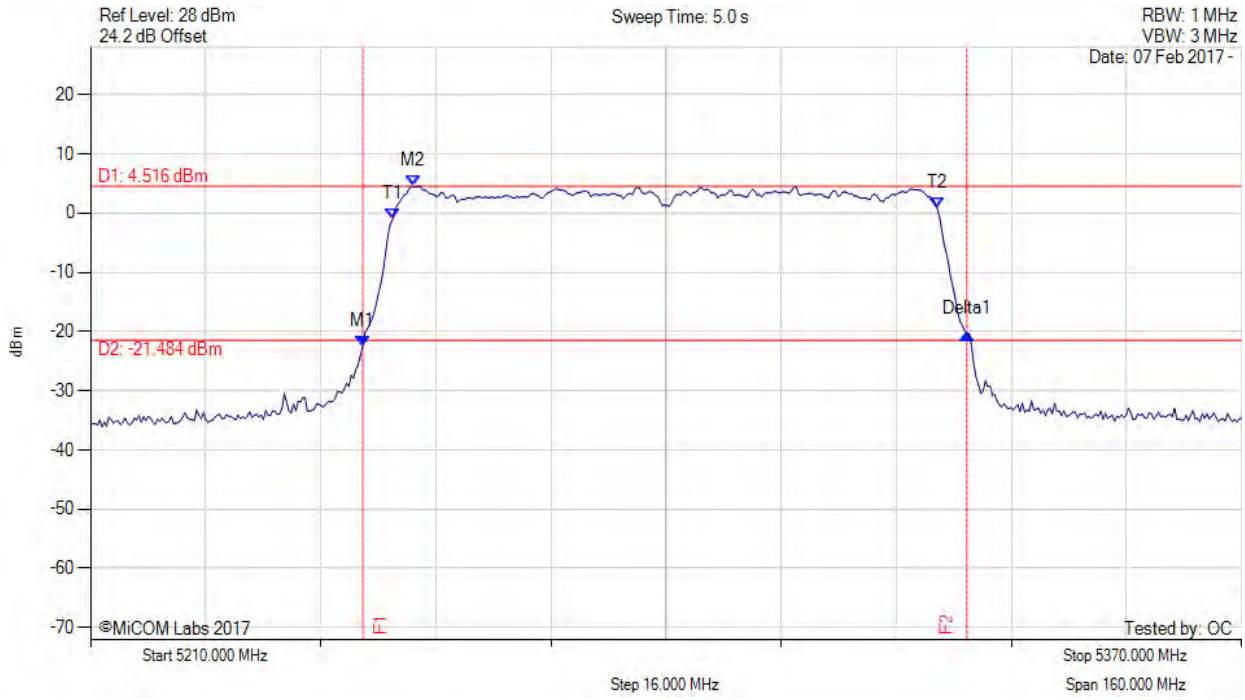
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.836 MHz : -23.084 dBm M2 : 5255.531 MHz : 3.371 dBm Delta1 : 83.687 MHz : 3.032 dB T1 : 5252.325 MHz : -0.934 dBm T2 : 5327.996 MHz : -1.874 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 83.687 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



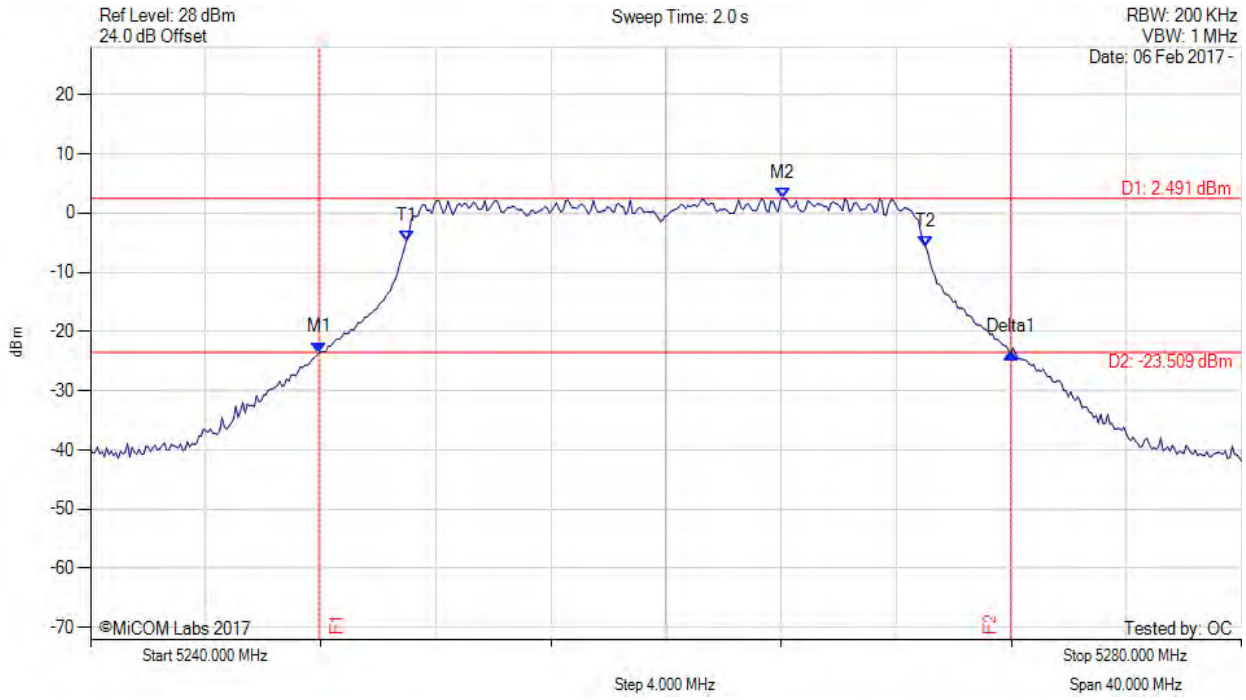
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.836 MHz : -22.510 dBm M2 : 5254.890 MHz : 4.516 dBm Delta1 : 84.008 MHz : 2.150 dB T1 : 5252.004 MHz : -0.989 dBm T2 : 5327.675 MHz : 0.856 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 84.008 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



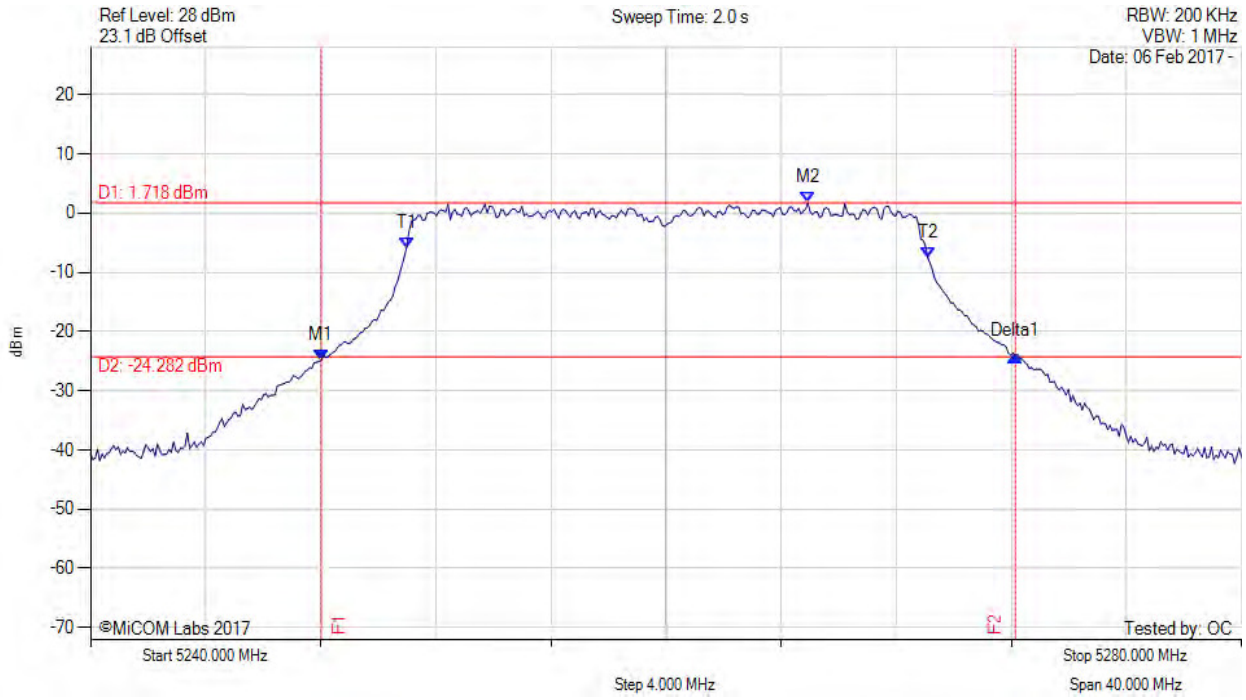
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.936 MHz : -23.557 dBm M2 : 5264.048 MHz : 2.491 dBm Delta1 : 24.048 MHz : -0.006 dB T1 : 5250.982 MHz : -4.650 dBm T2 : 5269.018 MHz : -5.644 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.036 MHz

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26 dB & 99% BANDWIDTH

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



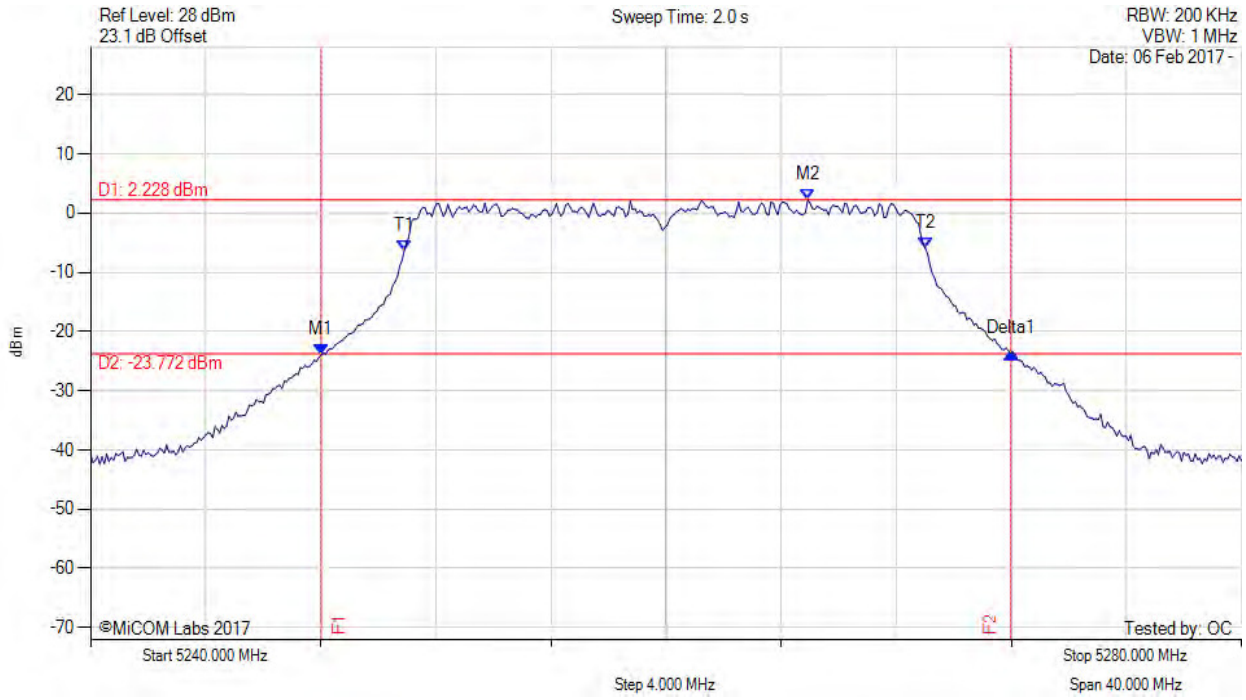
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.016 MHz : -24.829 dBm M2 : 5264.930 MHz : 1.718 dBm Delta1 : 24.128 MHz : 0.694 dB T1 : 5250.982 MHz : -5.858 dBm T2 : 5269.098 MHz : -7.471 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.128 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



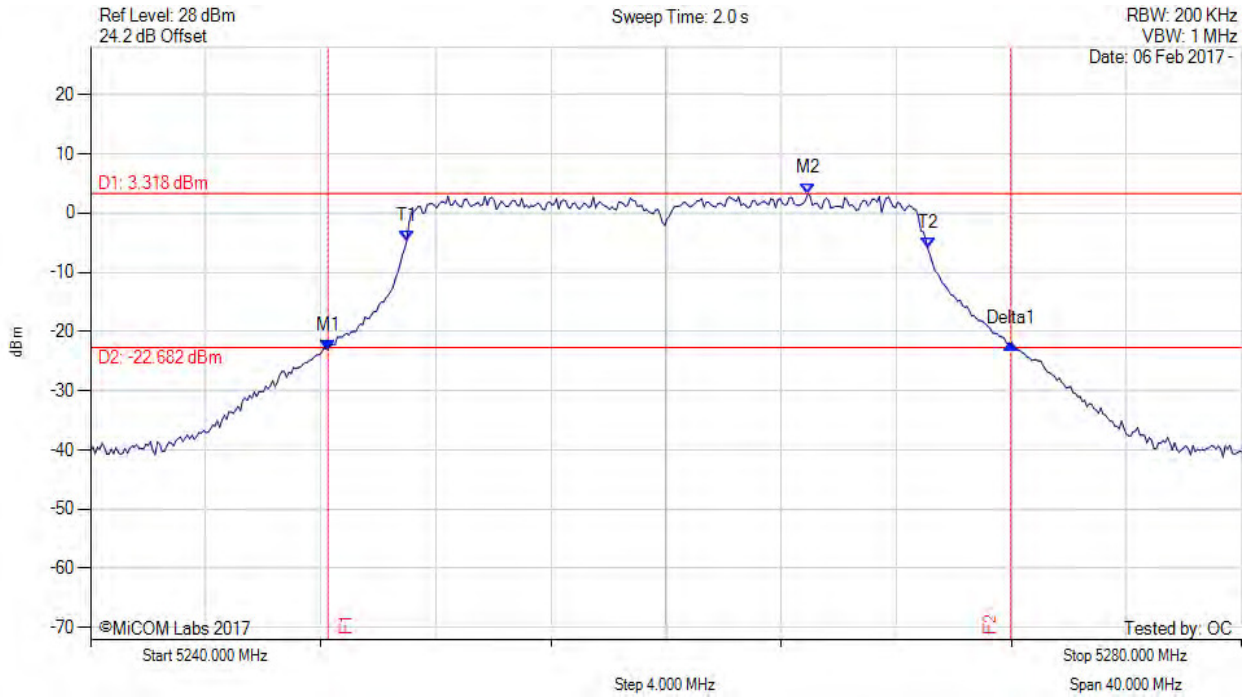
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.016 MHz : -23.883 dBm M2 : 5264.930 MHz : 2.228 dBm Delta1 : 23.968 MHz : 0.236 dB T1 : 5250.902 MHz : -6.407 dBm T2 : 5269.018 MHz : -5.984 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.968 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



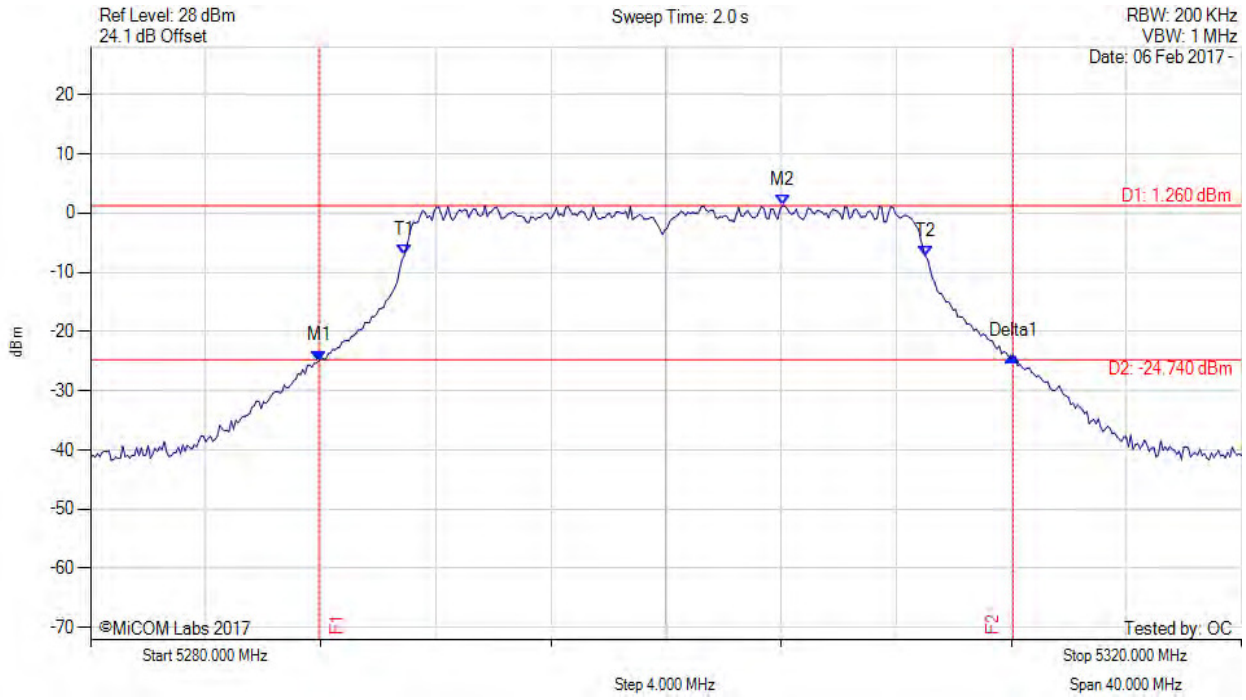
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.257 MHz : -23.157 dBm M2 : 5264.930 MHz : 3.318 dBm Delta1 : 23.727 MHz : 1.104 dB T1 : 5250.982 MHz : -4.802 dBm T2 : 5269.098 MHz : -5.951 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.727 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



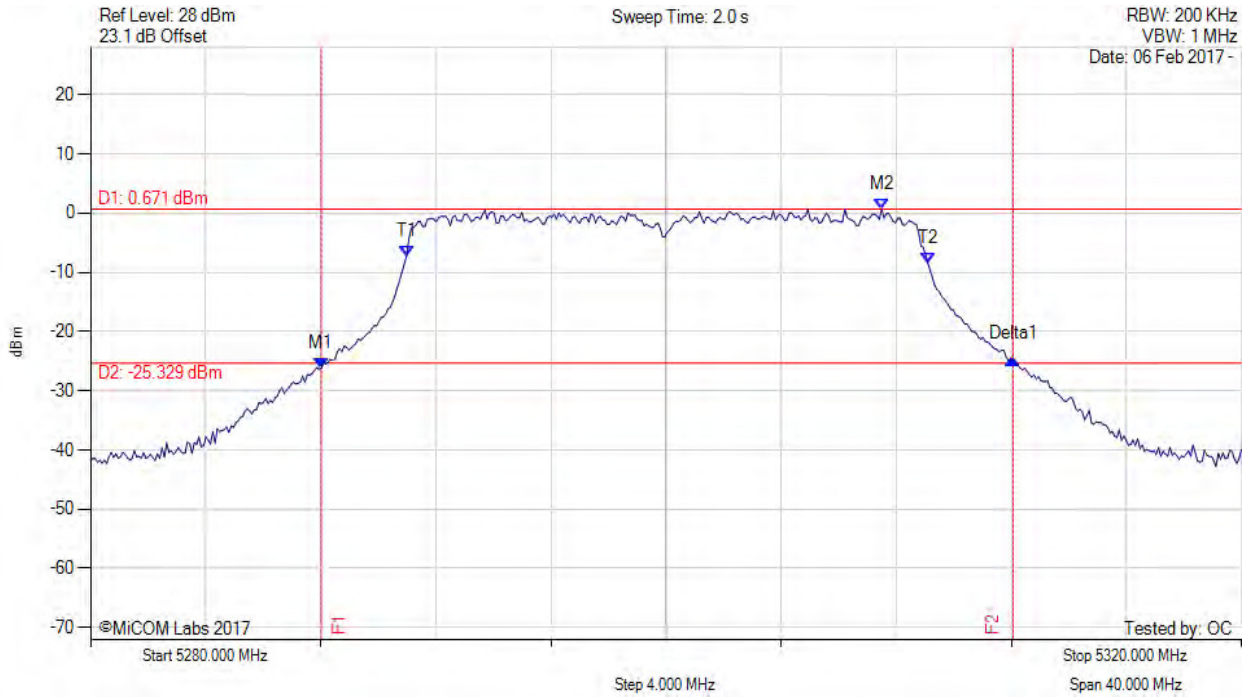
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5287.936 MHz : -24.977 dBm M2 : 5304.048 MHz : 1.260 dBm Delta1 : 24.128 MHz : 0.809 dB T1 : 5290.902 MHz : -7.180 dBm T2 : 5309.018 MHz : -7.285 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.128 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



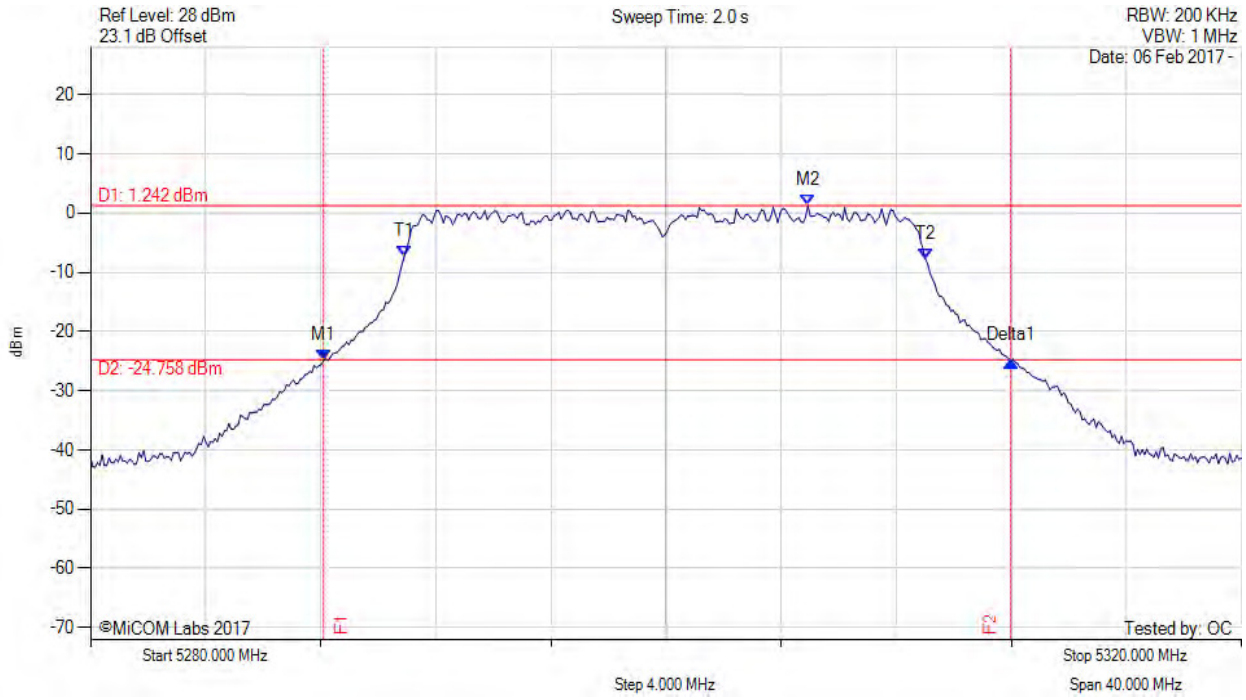
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.016 MHz : -26.230 dBm M2 : 5307.495 MHz : 0.671 dBm Delta1 : 24.048 MHz : 1.521 dB T1 : 5290.982 MHz : -7.283 dBm T2 : 5309.098 MHz : -8.406 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



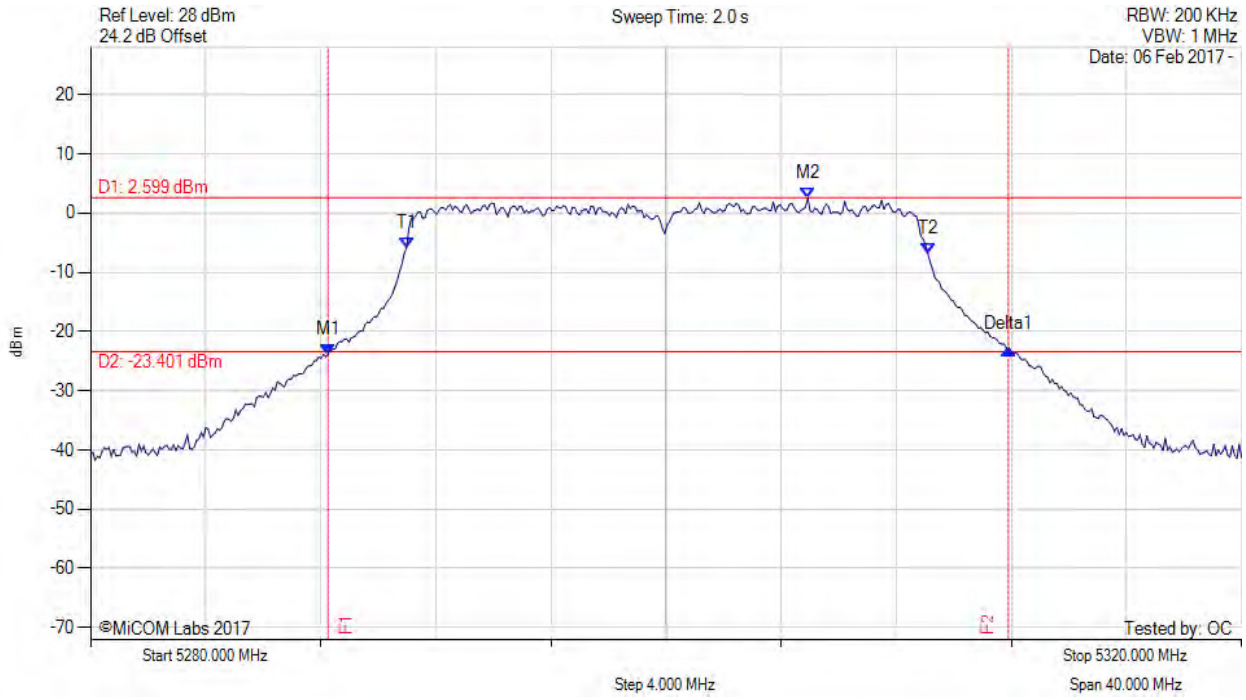
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.096 MHz : -24.912 dBm M2 : 5304.930 MHz : 1.242 dBm Delta1 : 23.888 MHz : -0.047 dB T1 : 5290.902 MHz : -7.399 dBm T2 : 5309.018 MHz : -7.765 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.888 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



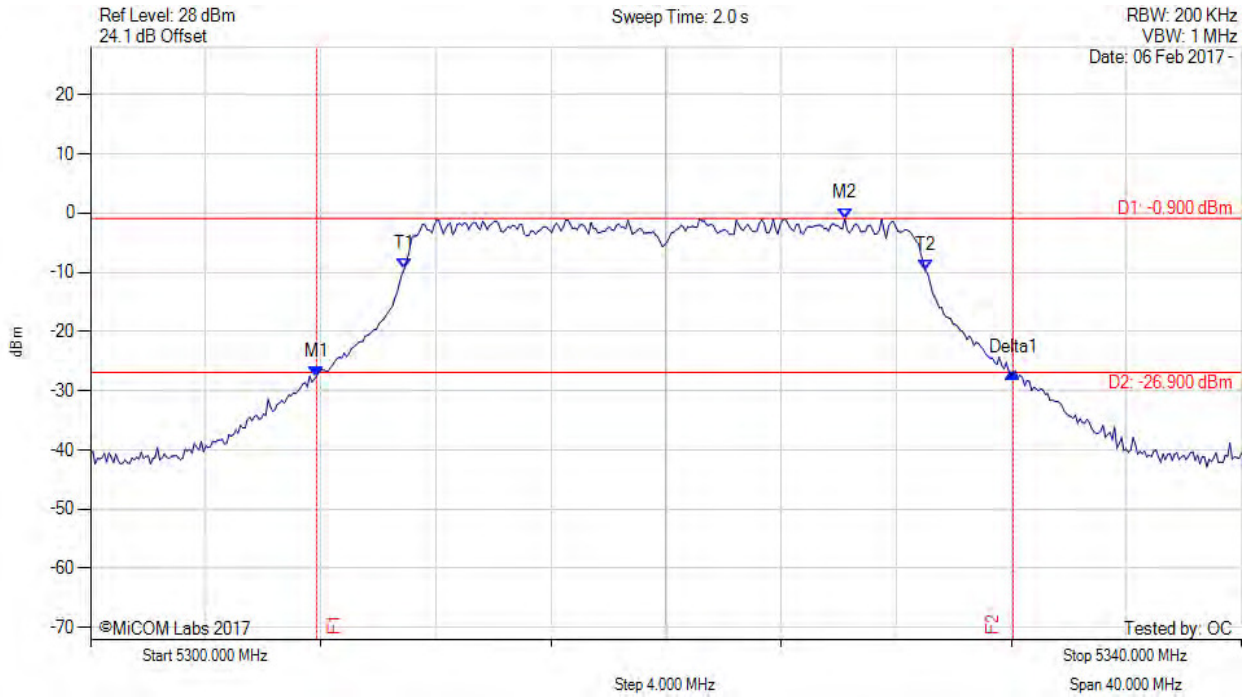
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.257 MHz : -23.830 dBm M2 : 5304.930 MHz : 2.599 dBm Delta1 : 23.647 MHz : 0.850 dB T1 : 5290.982 MHz : -5.825 dBm T2 : 5309.098 MHz : -6.789 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



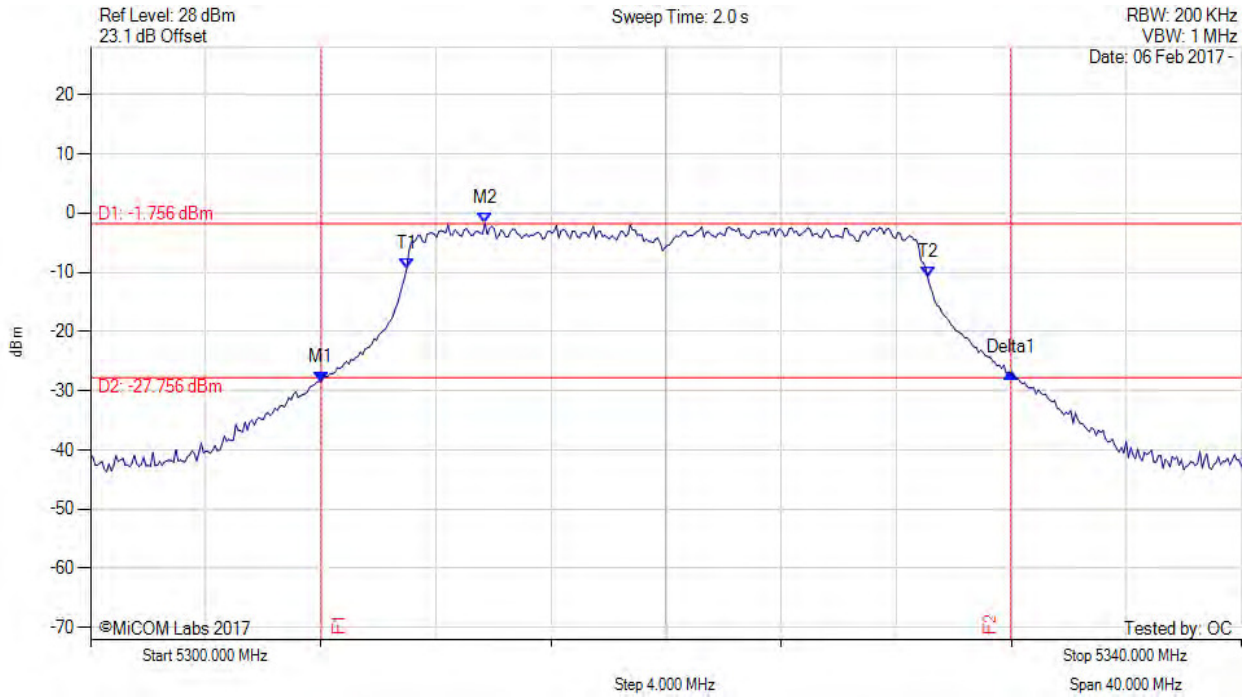
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5307.856 MHz : -27.568 dBm M2 : 5326.212 MHz : -0.900 dBm Delta1 : 24.208 MHz : 0.649 dB T1 : 5310.902 MHz : -9.466 dBm T2 : 5329.018 MHz : -9.756 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.208 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



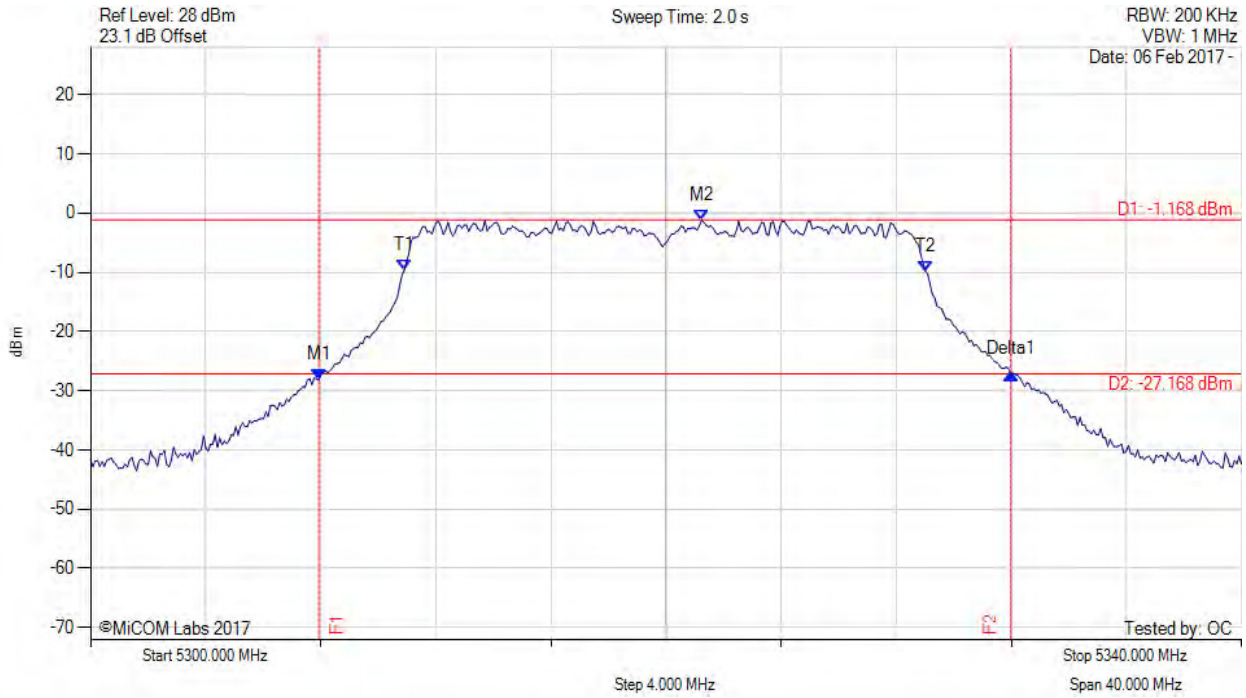
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.016 MHz : -28.483 dBm M2 : 5313.707 MHz : -1.756 dBm Delta1 : 23.968 MHz : 1.444 dB T1 : 5310.982 MHz : -9.523 dBm T2 : 5329.098 MHz : -10.875 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.968 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



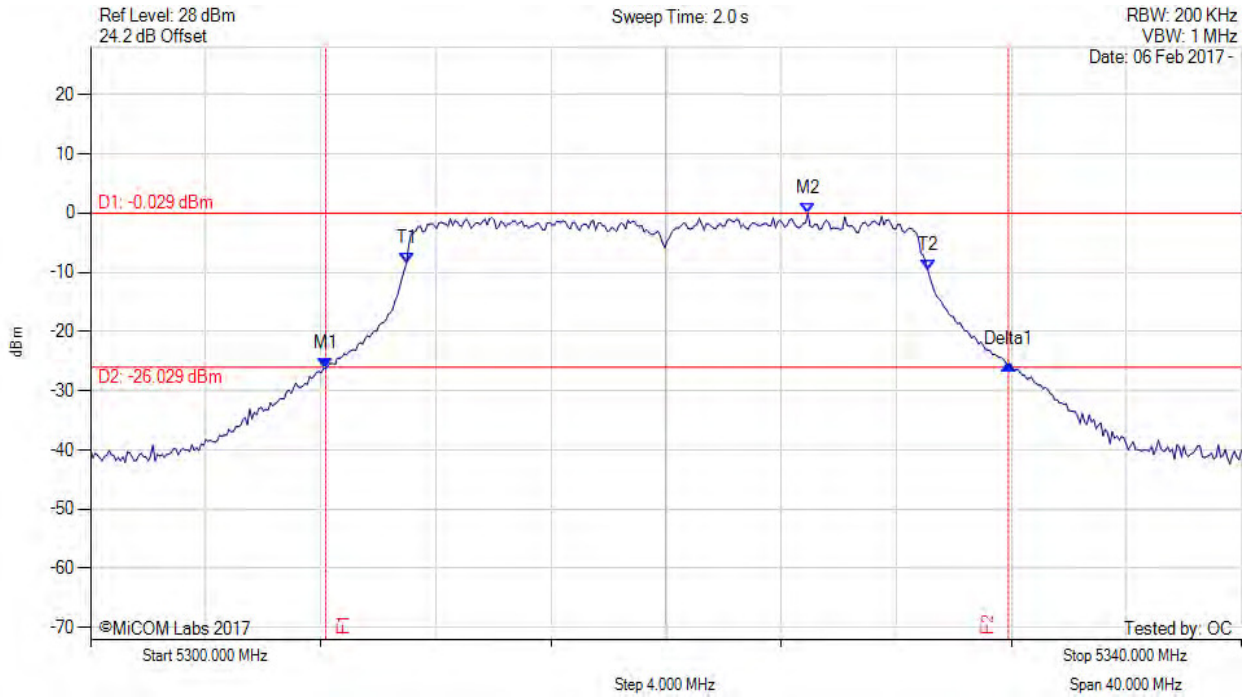
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5307.936 MHz : -28.192 dBm M2 : 5321.242 MHz : -1.168 dBm Delta1 : 24.048 MHz : 1.025 dB T1 : 5310.902 MHz : -9.693 dBm T2 : 5329.018 MHz : -9.822 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



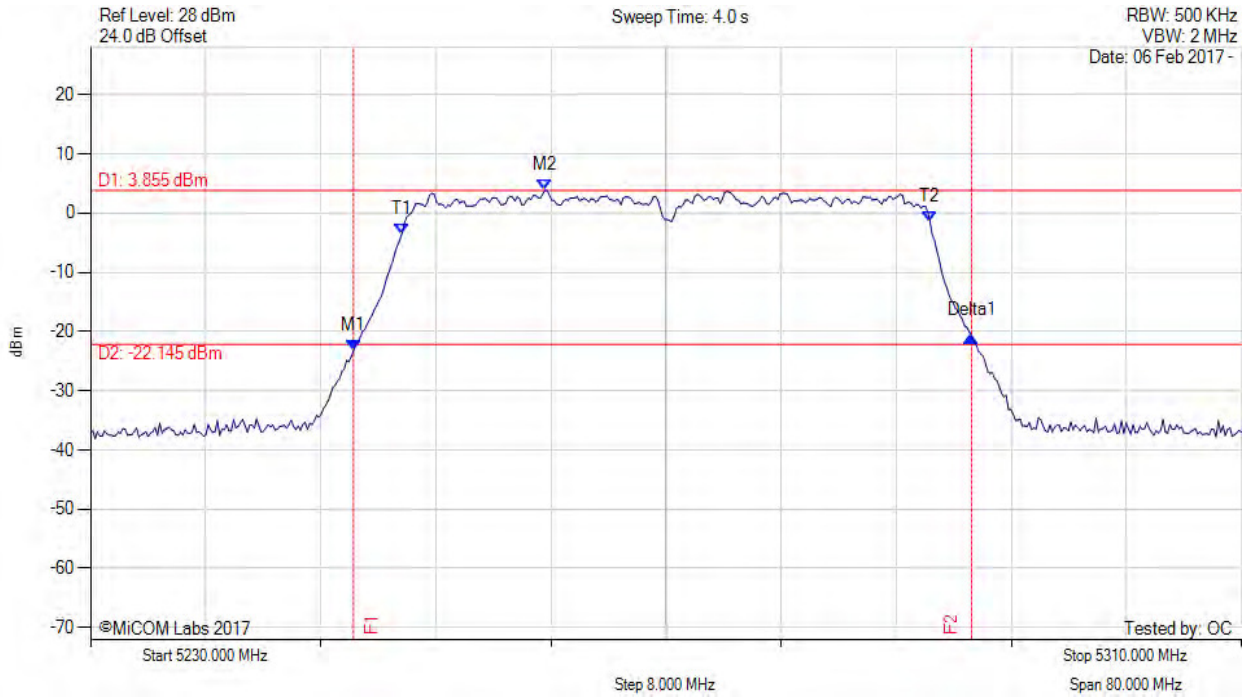
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.176 MHz : -26.275 dBm M2 : 5324.930 MHz : -0.029 dBm Delta1 : 23.727 MHz : 0.724 dB T1 : 5310.982 MHz : -8.388 dBm T2 : 5329.098 MHz : -9.555 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.727 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



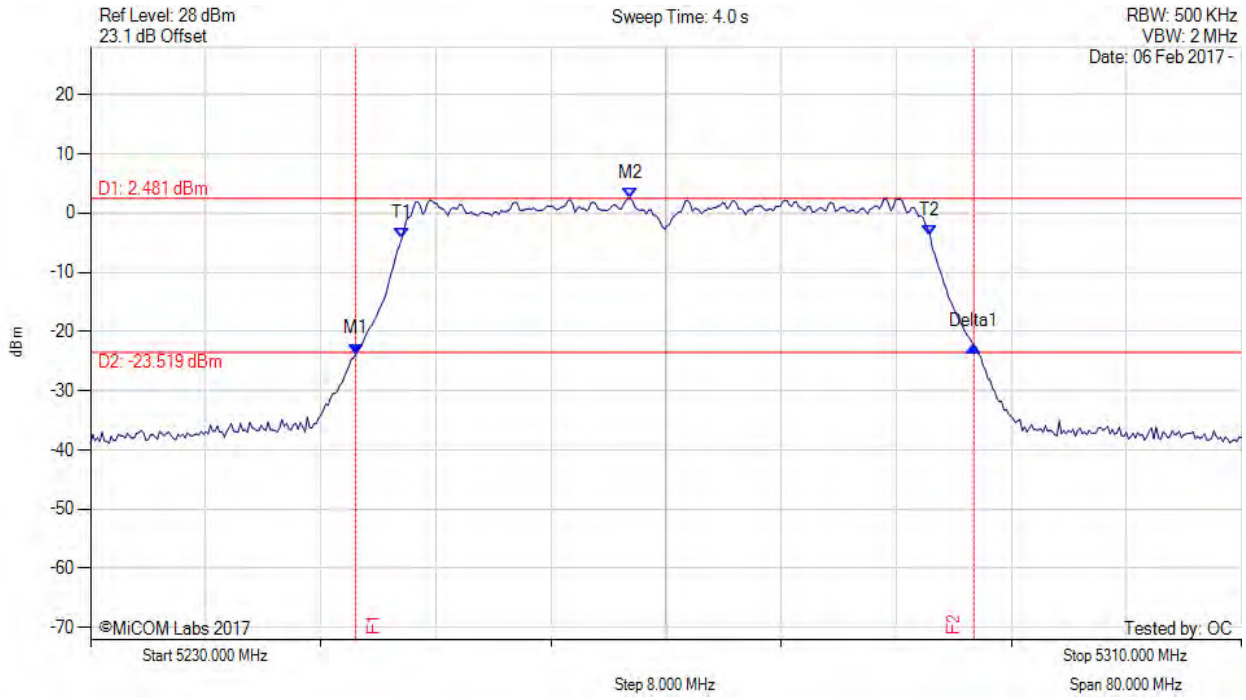
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.277 MHz : -23.242 dBm M2 : 5261.583 MHz : 3.855 dBm Delta1 : 42.966 MHz : 2.477 dB T1 : 5251.643 MHz : -3.503 dBm T2 : 5288.357 MHz : -1.504 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



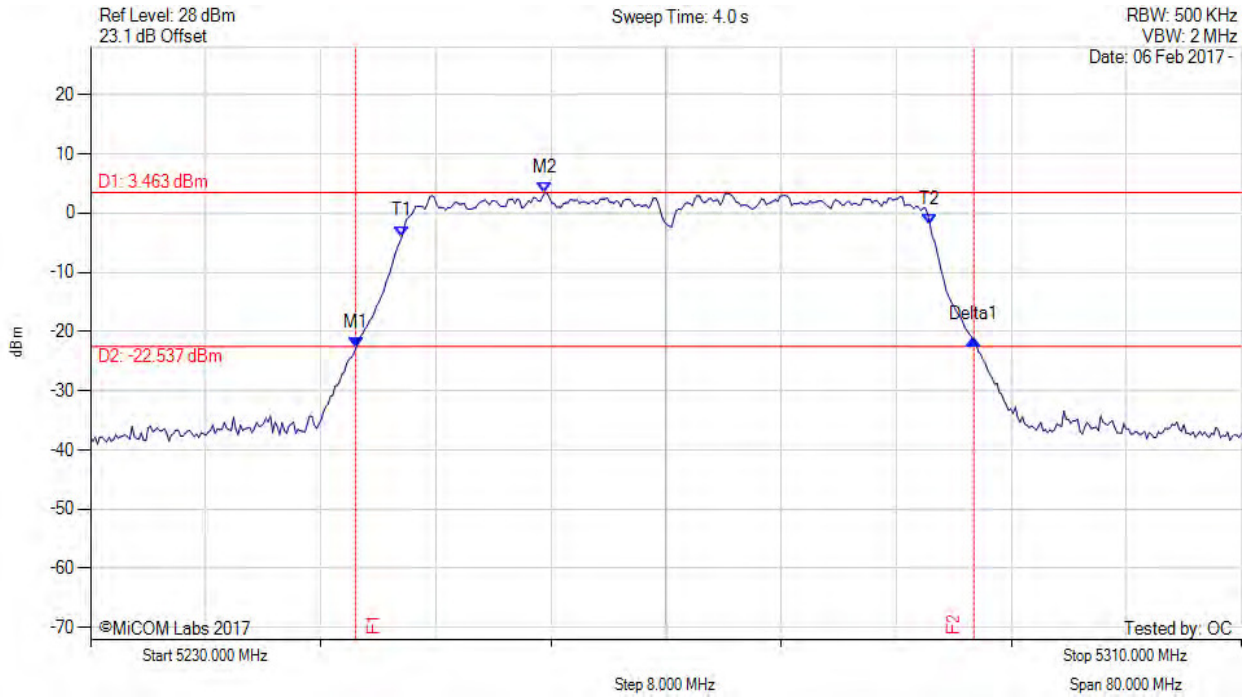
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.437 MHz : -23.791 dBm M2 : 5267.515 MHz : 2.481 dBm Delta1 : 42.966 MHz : 1.269 dB T1 : 5251.643 MHz : -4.180 dBm T2 : 5288.357 MHz : -3.787 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



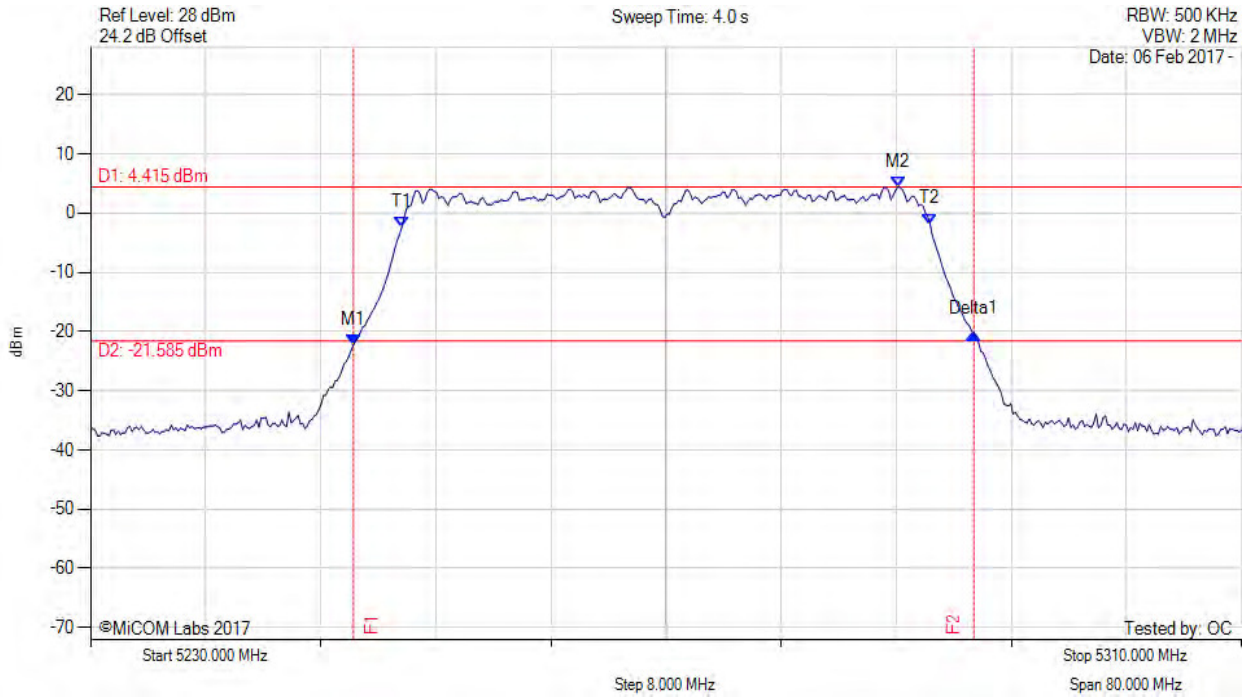
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.437 MHz : -22.831 dBm M2 : 5261.583 MHz : 3.463 dBm Delta1 : 42.966 MHz : 1.407 dB T1 : 5251.643 MHz : -3.930 dBm T2 : 5288.357 MHz : -2.010 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



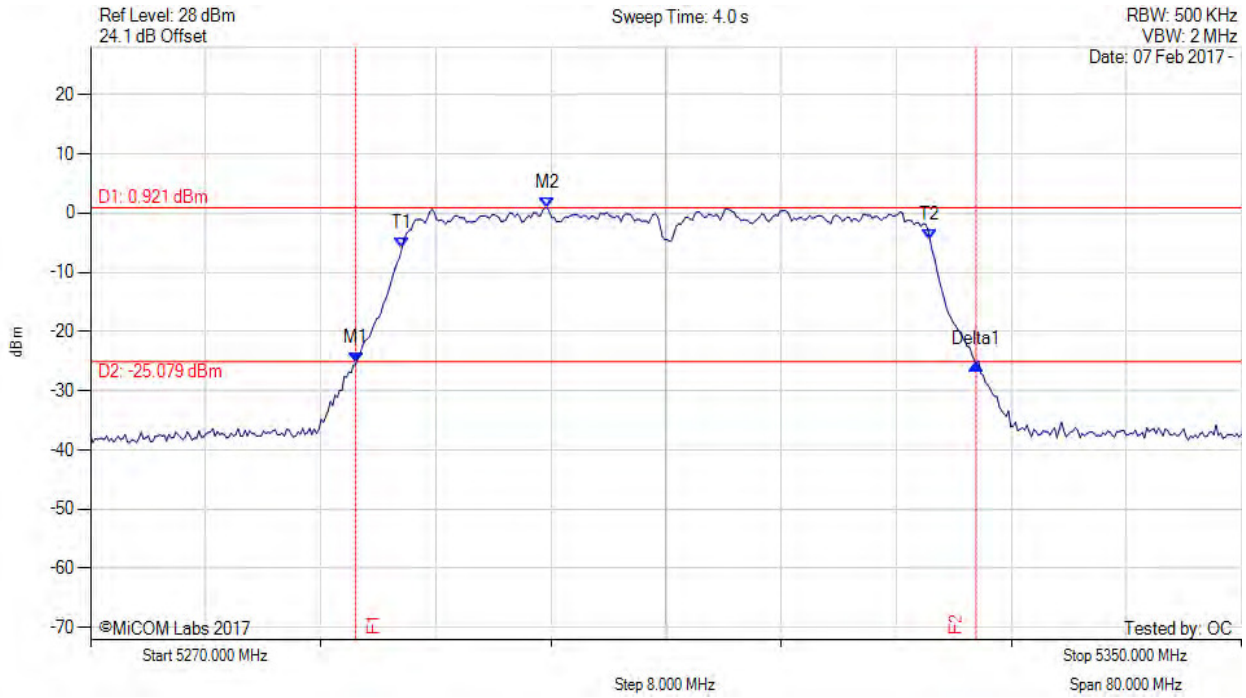
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.277 MHz : -22.262 dBm M2 : 5286.112 MHz : 4.415 dBm Delta1 : 43.126 MHz : 1.946 dB T1 : 5251.643 MHz : -2.317 dBm T2 : 5288.357 MHz : -1.823 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



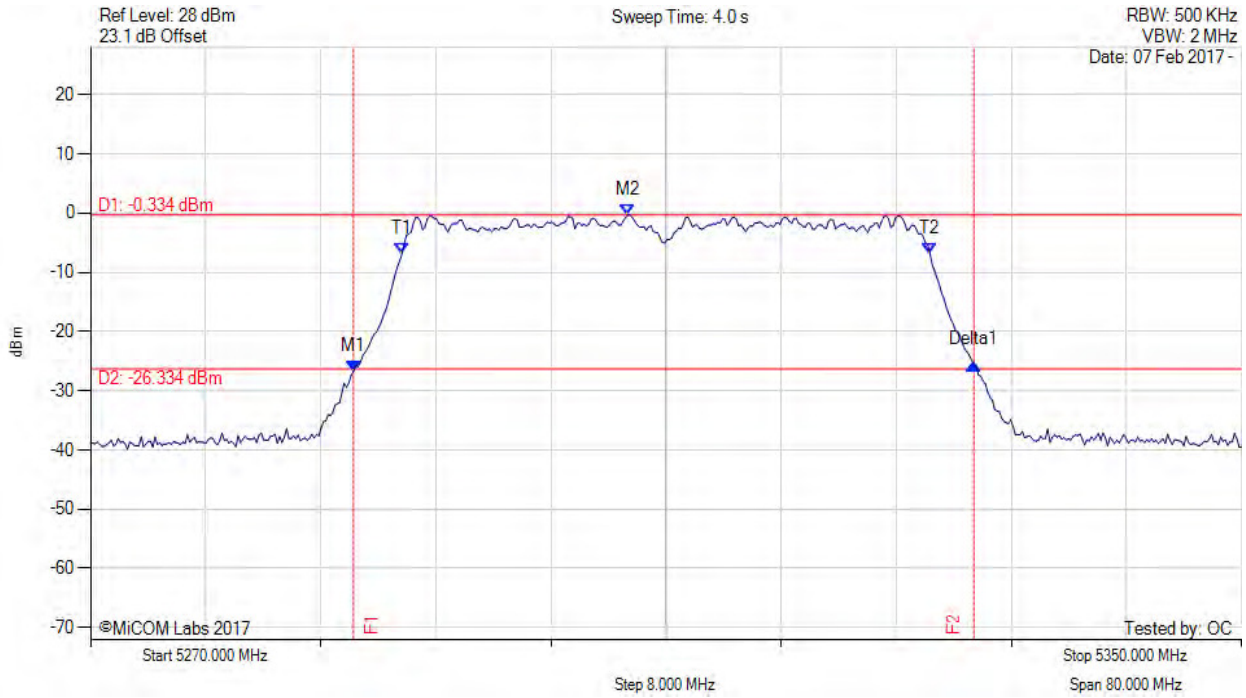
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.437 MHz : -25.408 dBm M2 : 5301.743 MHz : 0.921 dBm Delta1 : 43.126 MHz : -0.067 dB T1 : 5291.643 MHz : -5.890 dBm T2 : 5328.357 MHz : -4.615 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



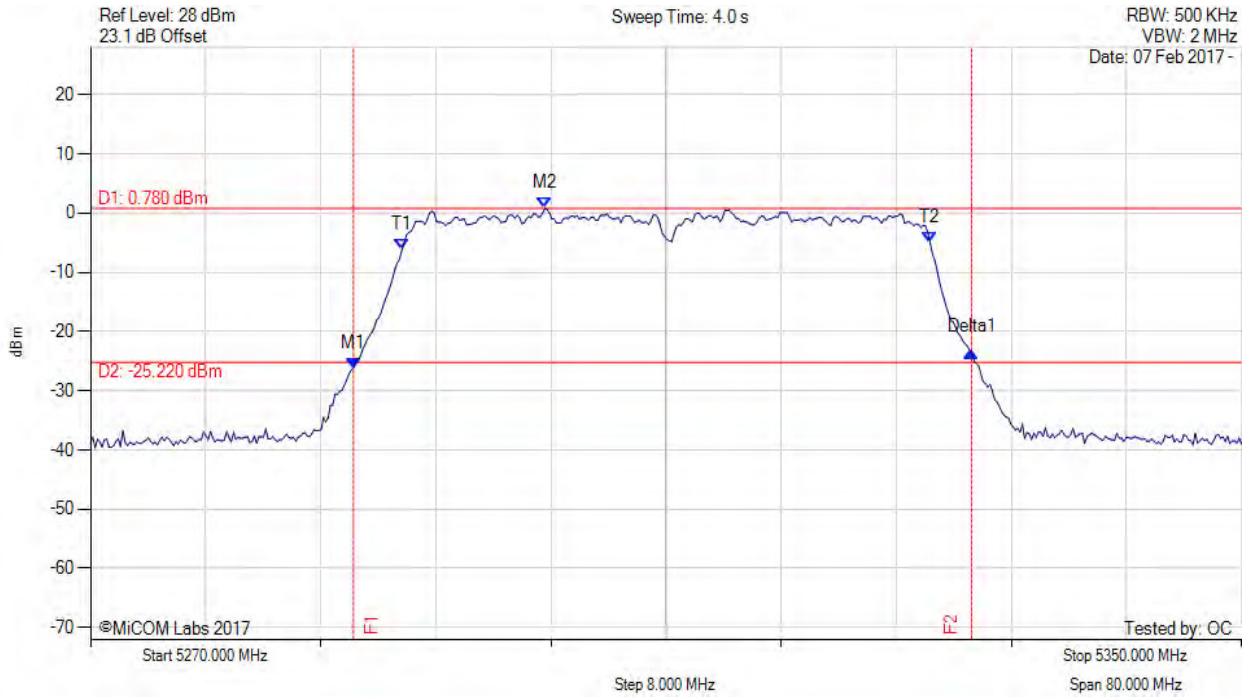
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.277 MHz : -26.722 dBm M2 : 5307.355 MHz : -0.334 dBm Delta1 : 43.126 MHz : 1.143 dB T1 : 5291.643 MHz : -6.899 dBm T2 : 5328.357 MHz : -6.871 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



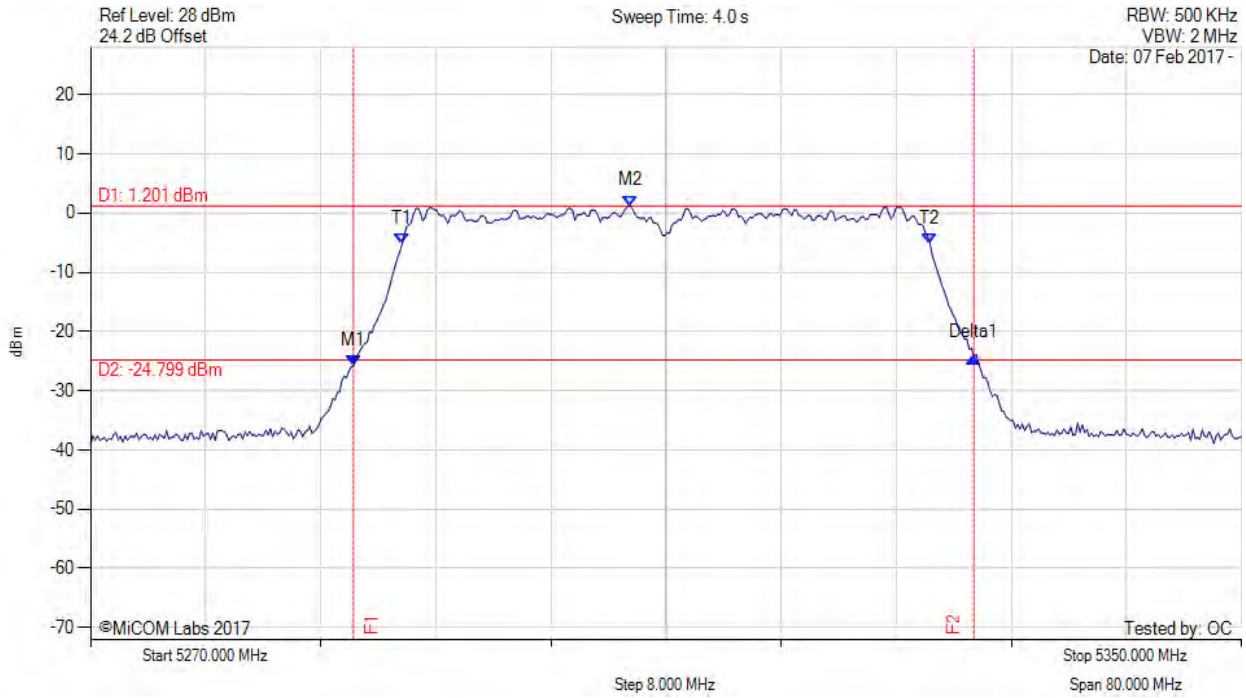
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.277 MHz : -26.209 dBm M2 : 5301.583 MHz : 0.780 dBm Delta1 : 42.966 MHz : 2.762 dB T1 : 5291.643 MHz : -6.153 dBm T2 : 5328.357 MHz : -5.010 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



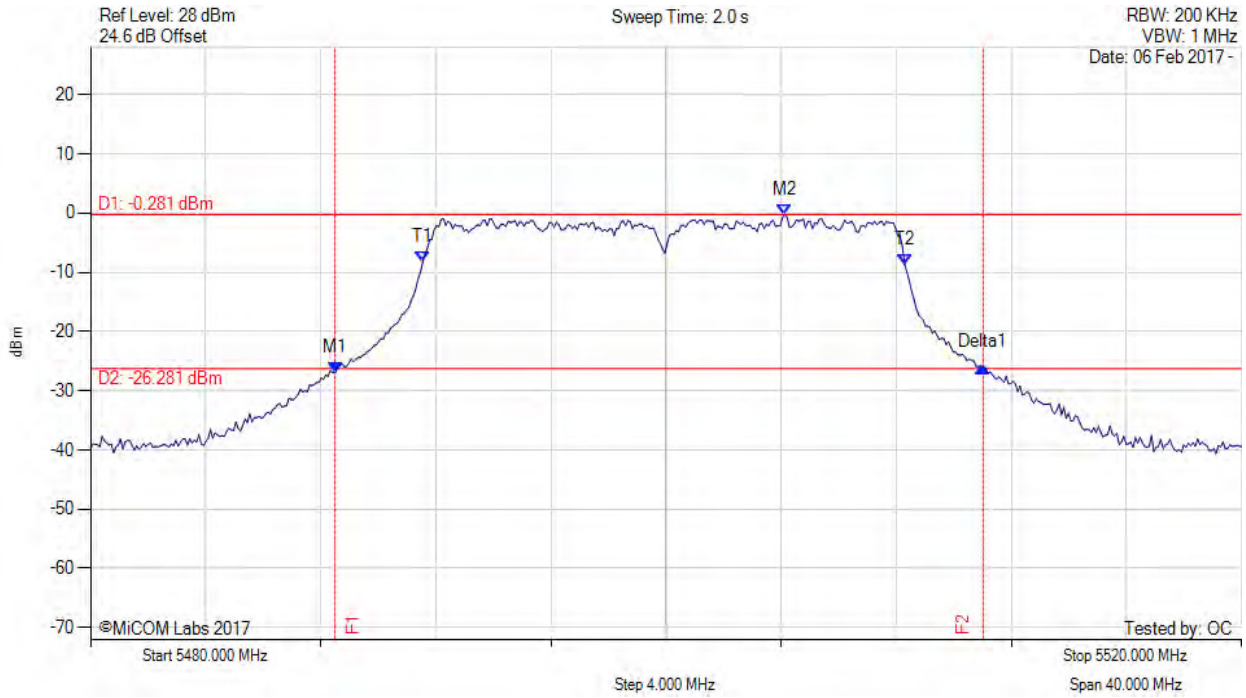
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.277 MHz : -25.746 dBm M2 : 5307.515 MHz : 1.201 dBm Delta1 : 43.126 MHz : 1.428 dB T1 : 5291.643 MHz : -5.286 dBm T2 : 5328.357 MHz : -5.209 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



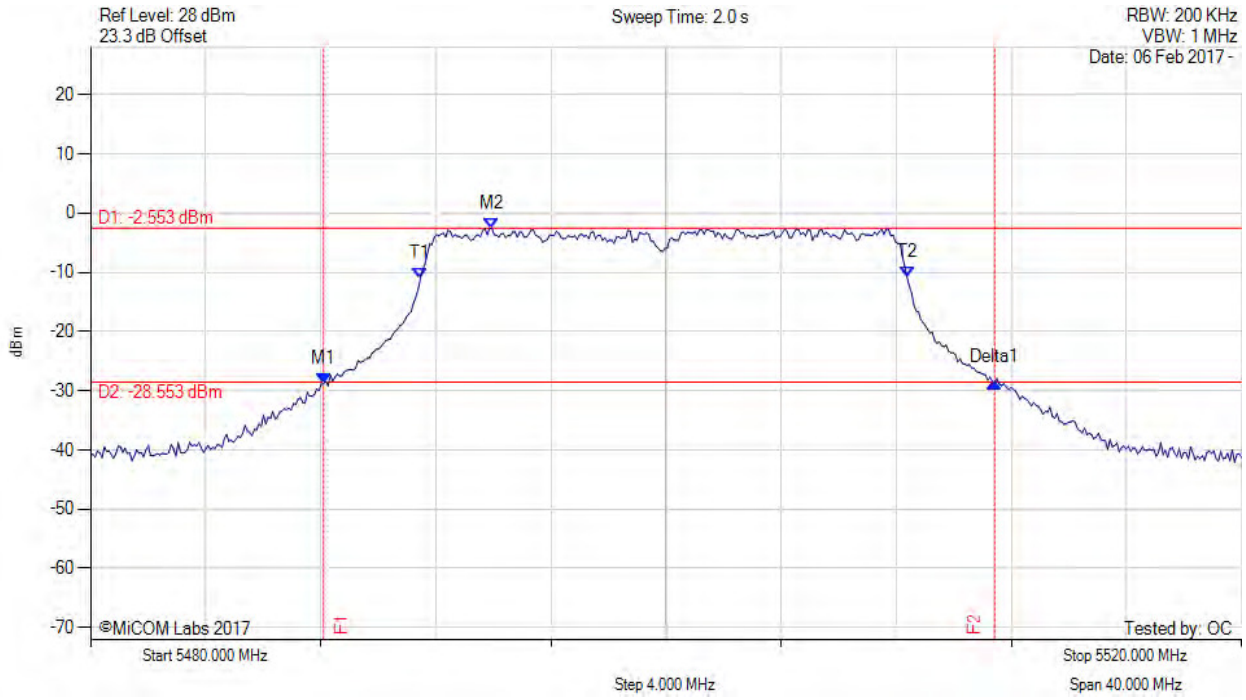
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.497 MHz : -26.972 dBm M2 : 5504.128 MHz : -0.281 dBm Delta1 : 22.525 MHz : 0.929 dB T1 : 5491.543 MHz : -8.323 dBm T2 : 5508.297 MHz : -8.666 dBm OBW : 16.754 MHz	Measured 26 dB Bandwidth: 22.525 MHz Measured 99% Bandwidth: 16.754 MHz

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26 dB & 99% BANDWIDTH

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



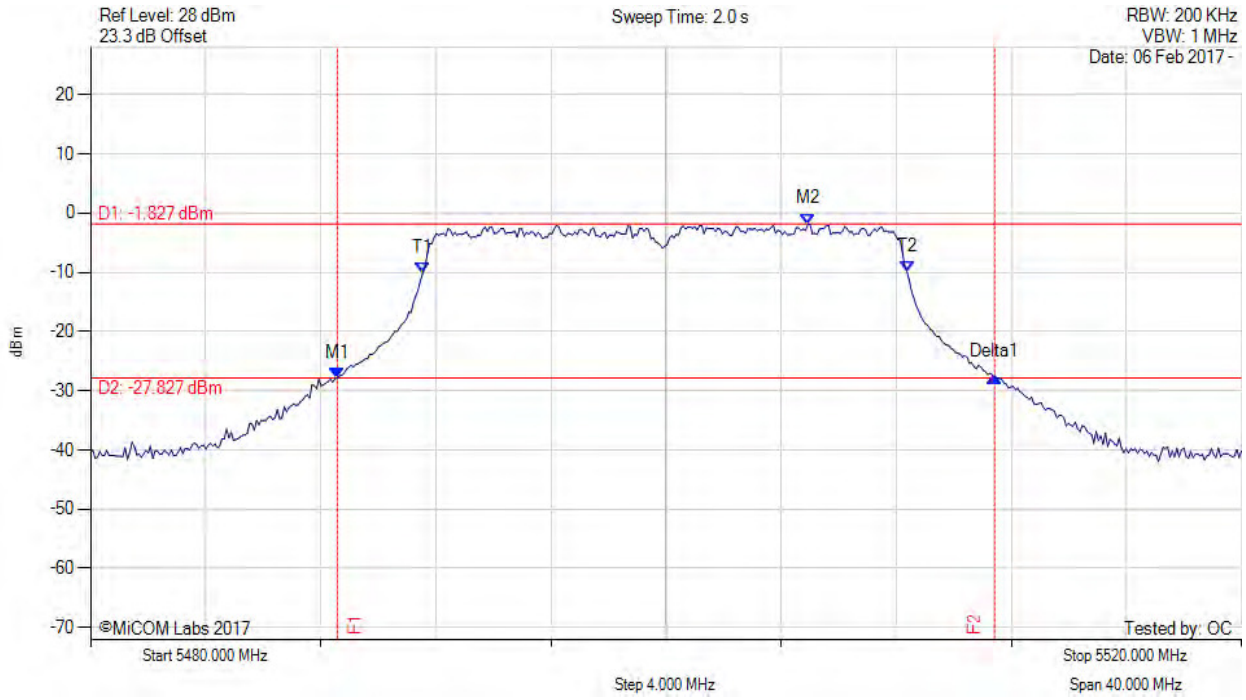
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.096 MHz : -28.839 dBm M2 : 5493.948 MHz : -2.553 dBm Delta1 : 23.327 MHz : 0.307 dB T1 : 5491.463 MHz : -11.046 dBm T2 : 5508.377 MHz : -10.743 dBm OBW : 16.914 MHz	Measured 26 dB Bandwidth: 23.327 MHz Measured 99% Bandwidth: 16.914 MHz

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26 dB & 99% BANDWIDTH

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



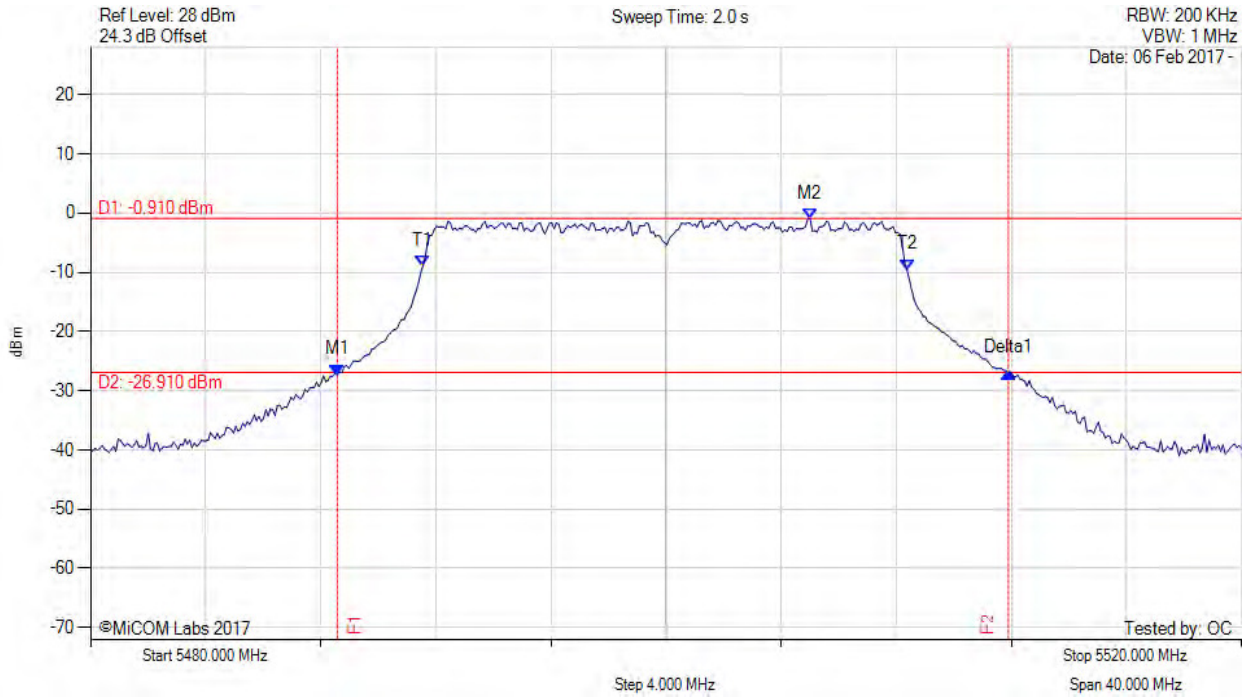
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.577 MHz : -27.902 dBm M2 : 5504.930 MHz : -1.827 dBm Delta1 : 22.846 MHz : 0.148 dB T1 : 5491.543 MHz : -10.143 dBm T2 : 5508.377 MHz : -9.832 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



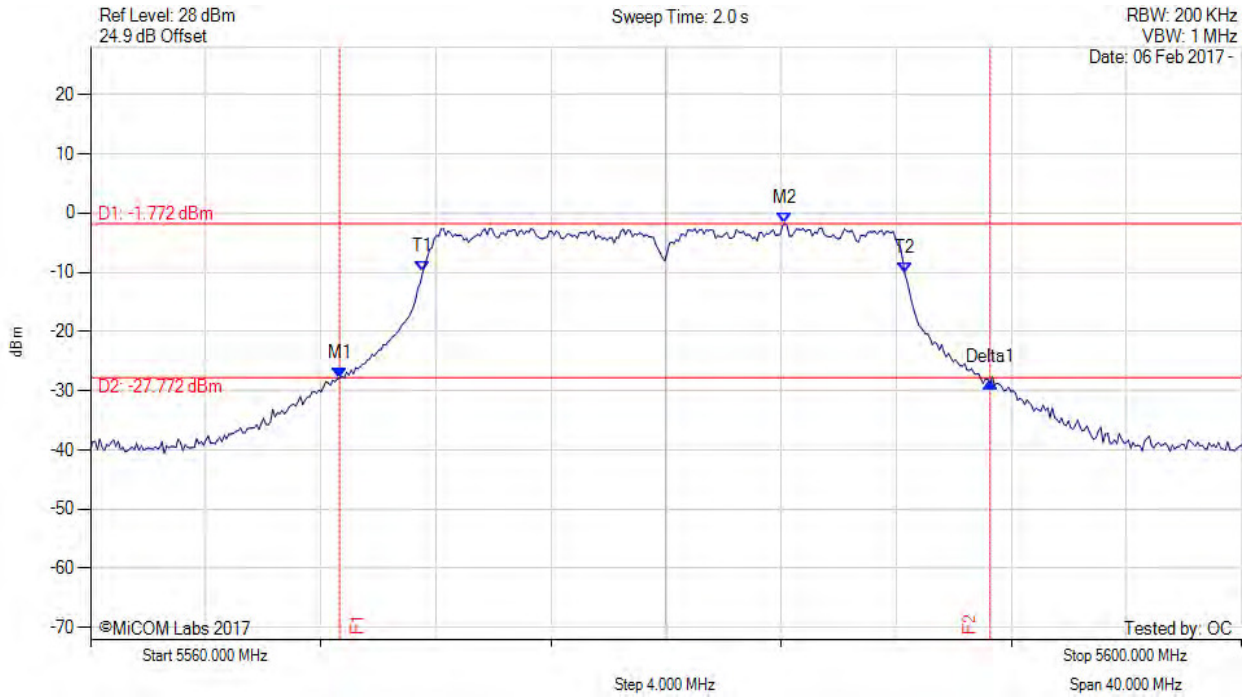
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.577 MHz : -27.300 dBm M2 : 5505.010 MHz : -0.910 dBm Delta1 : 23.327 MHz : 0.301 dB T1 : 5491.543 MHz : -8.988 dBm T2 : 5508.377 MHz : -9.547 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.327 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



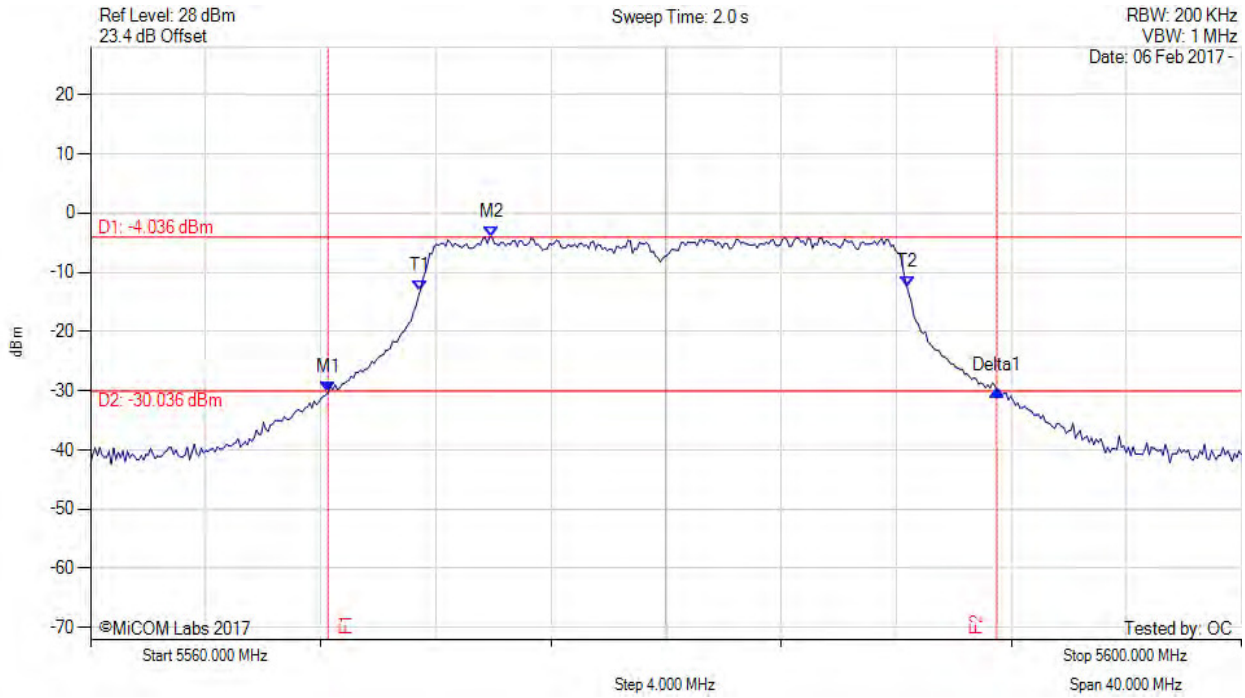
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.657 MHz : -27.900 dBm M2 : 5584.128 MHz : -1.772 dBm Delta1 : 22.605 MHz : -0.665 dB T1 : 5571.543 MHz : -9.956 dBm T2 : 5588.297 MHz : -10.184 dBm OBW : 16.754 MHz	Measured 26 dB Bandwidth: 22.605 MHz Measured 99% Bandwidth: 16.754 MHz

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26 dB & 99% BANDWIDTH

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



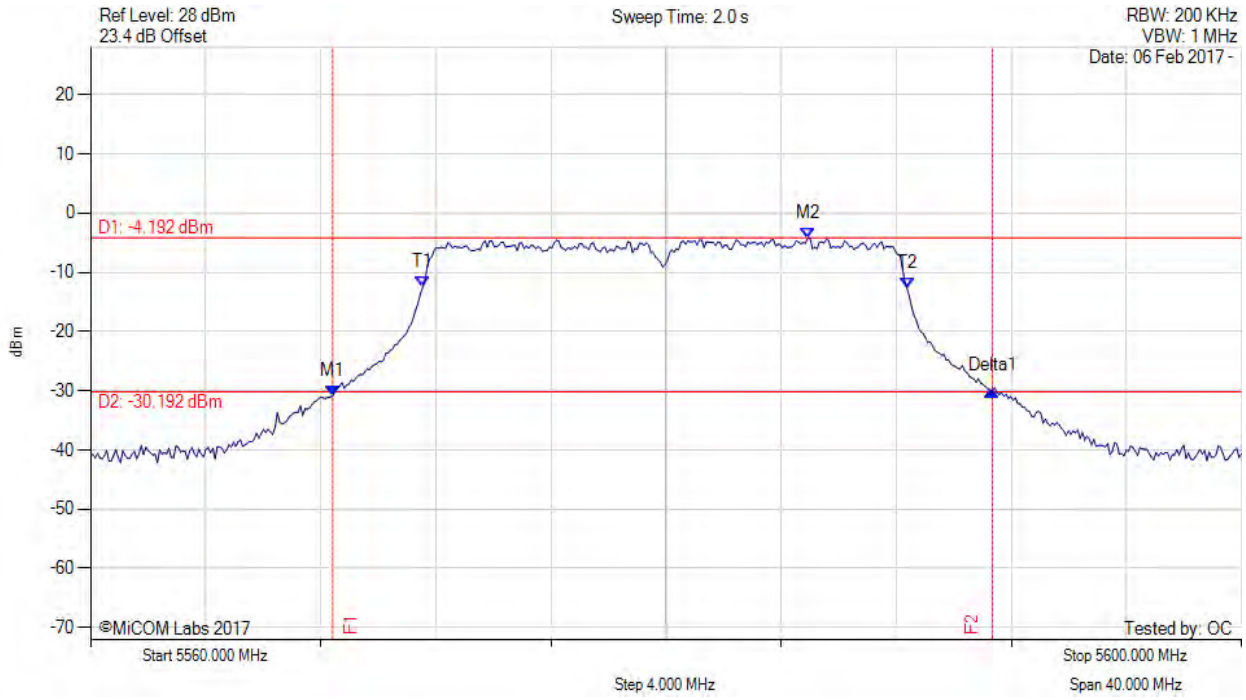
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.257 MHz : -30.222 dBm M2 : 5573.948 MHz : -4.036 dBm Delta1 : 23.246 MHz : 0.250 dB T1 : 5571.463 MHz : -13.067 dBm T2 : 5588.377 MHz : -12.457 dBm OBW : 16.914 MHz	Measured 26 dB Bandwidth: 23.246 MHz Measured 99% Bandwidth: 16.914 MHz

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26 dB & 99% BANDWIDTH

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



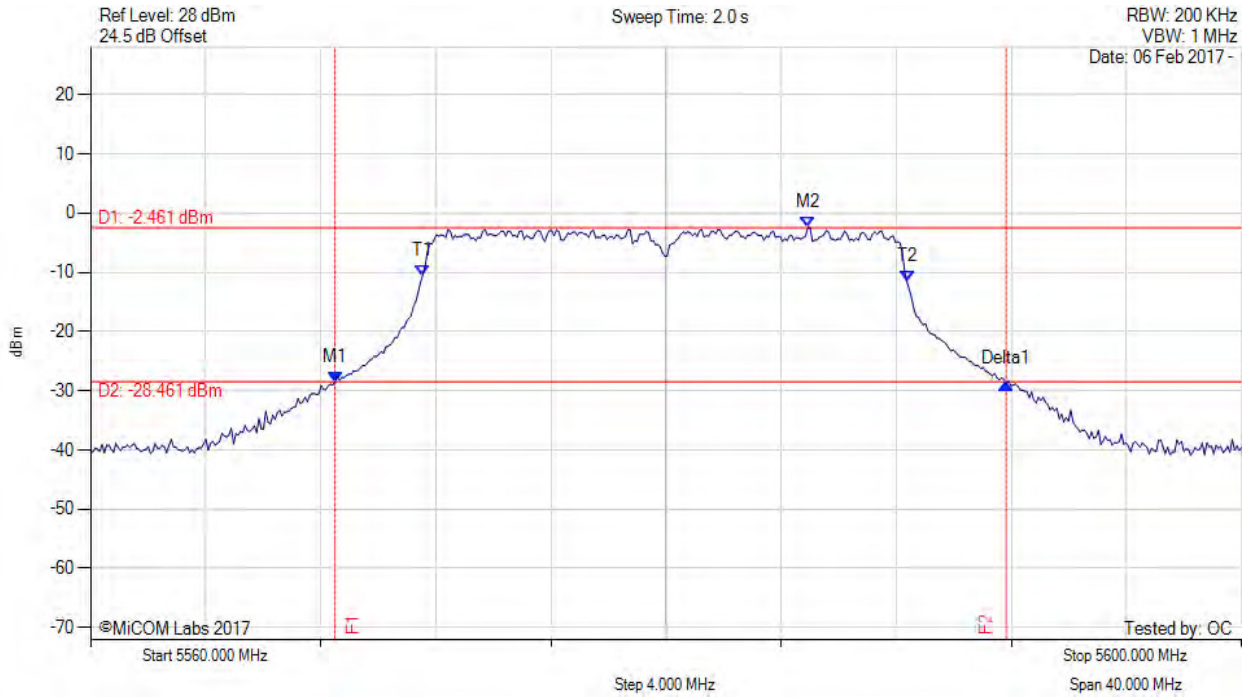
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.417 MHz : -30.918 dBm M2 : 5584.930 MHz : -4.192 dBm Delta1 : 22.926 MHz : 0.848 dB T1 : 5571.543 MHz : -12.506 dBm T2 : 5588.377 MHz : -12.669 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.926 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



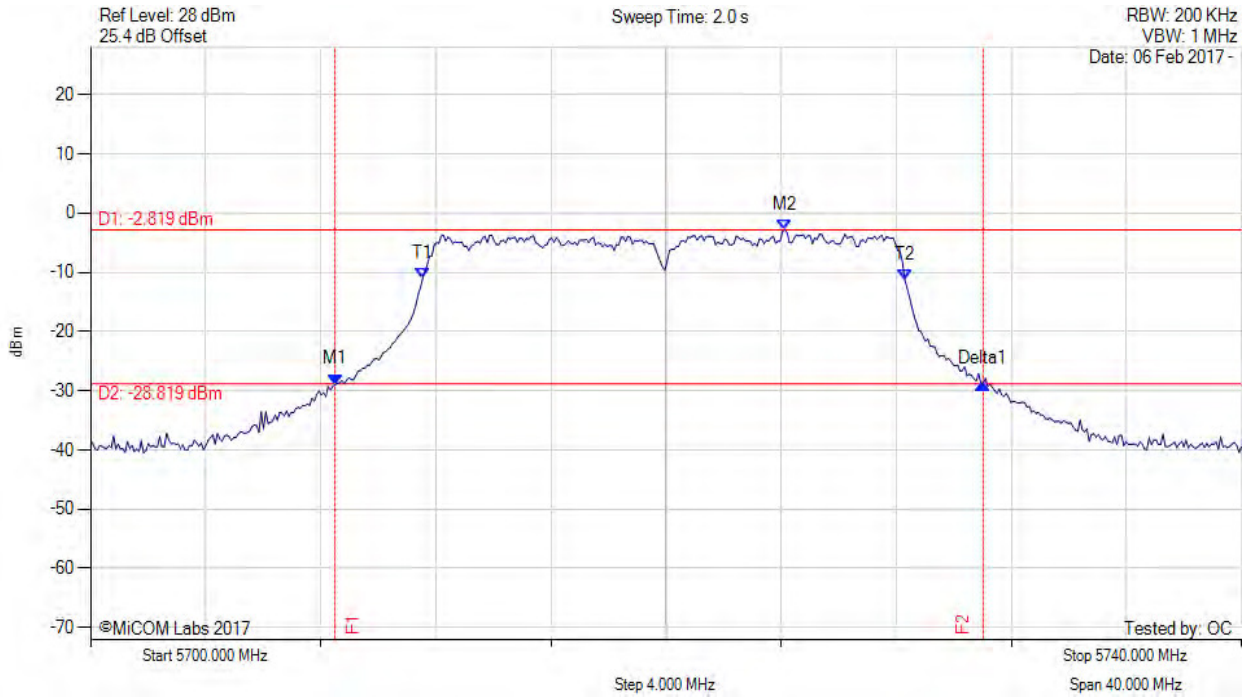
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.497 MHz : -28.510 dBm M2 : 5584.930 MHz : -2.461 dBm Delta1 : 23.327 MHz : -0.256 dB T1 : 5571.543 MHz : -10.497 dBm T2 : 5588.377 MHz : -11.556 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.327 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



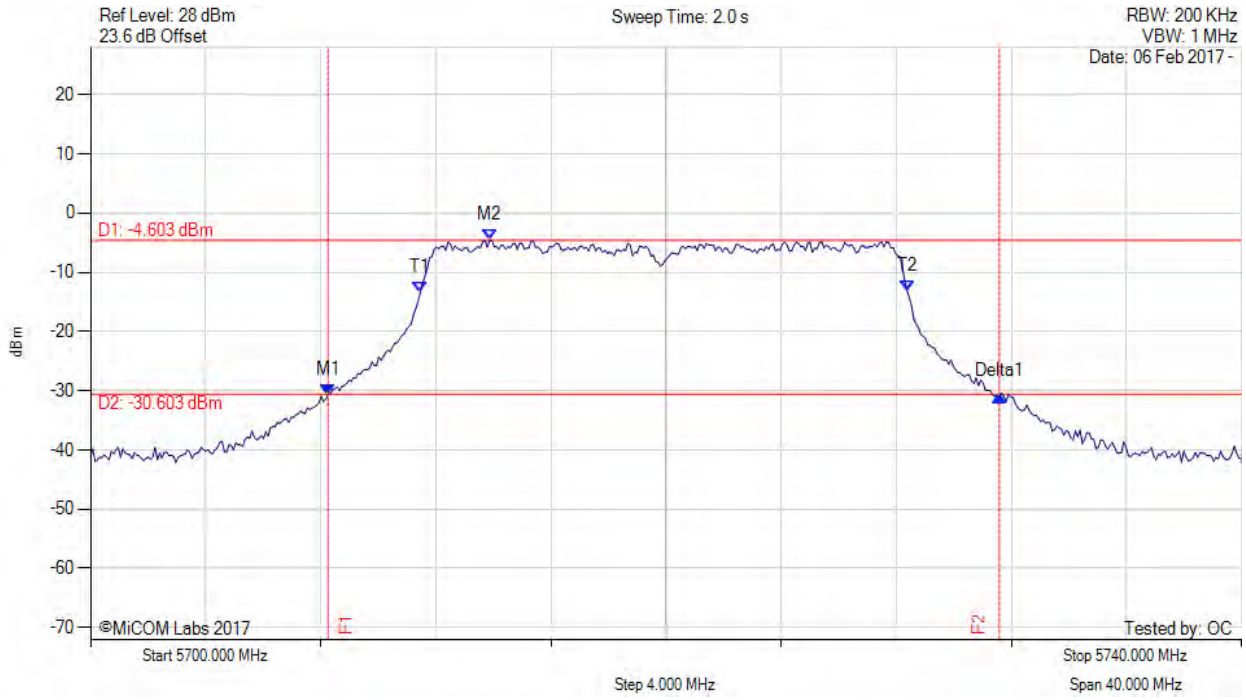
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.497 MHz : -28.931 dBm M2 : 5724.128 MHz : -2.819 dBm Delta1 : 22.525 MHz : 0.122 dB T1 : 5711.543 MHz : -11.009 dBm T2 : 5728.297 MHz : -11.202 dBm OBW : 16.754 MHz	Measured 26 dB Bandwidth: 22.525 MHz Measured 99% Bandwidth: 16.754 MHz

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26 dB & 99% BANDWIDTH

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



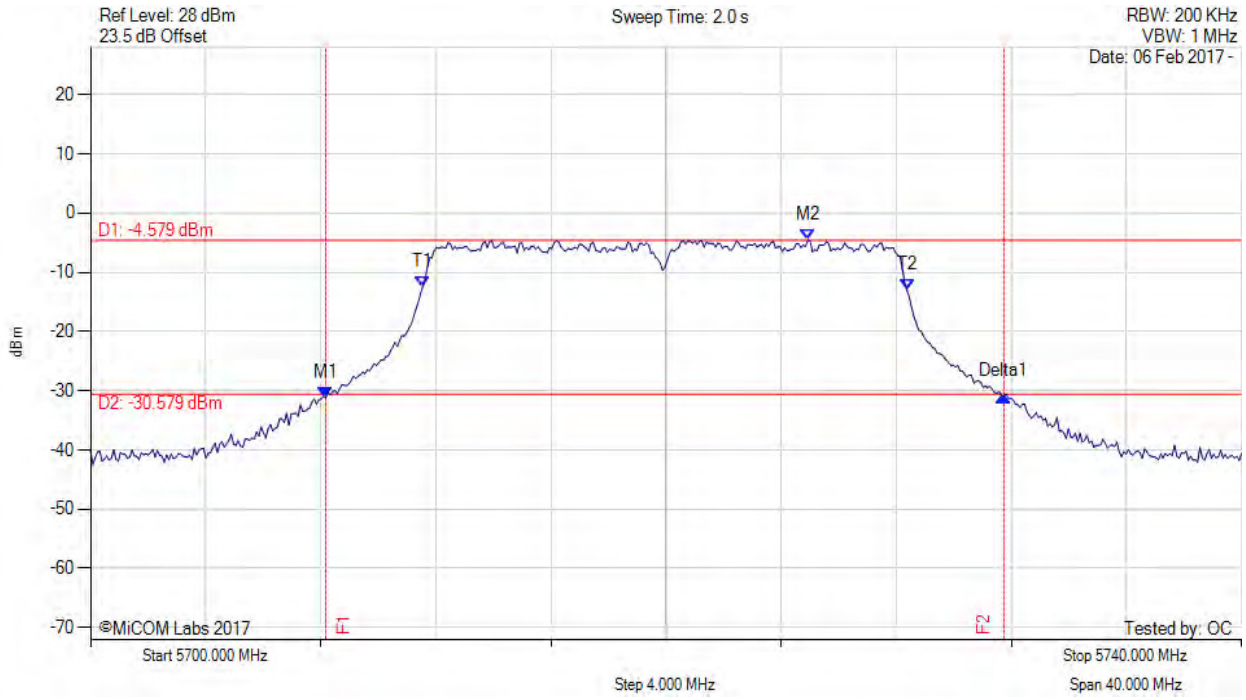
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.257 MHz : -30.680 dBm M2 : 5713.868 MHz : -4.603 dBm Delta1 : 23.327 MHz : -0.256 dB T1 : 5711.463 MHz : -13.407 dBm T2 : 5728.377 MHz : -13.080 dBm OBW : 16.914 MHz	Measured 26 dB Bandwidth: 23.327 MHz Measured 99% Bandwidth: 16.914 MHz

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26 dB & 99% BANDWIDTH

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



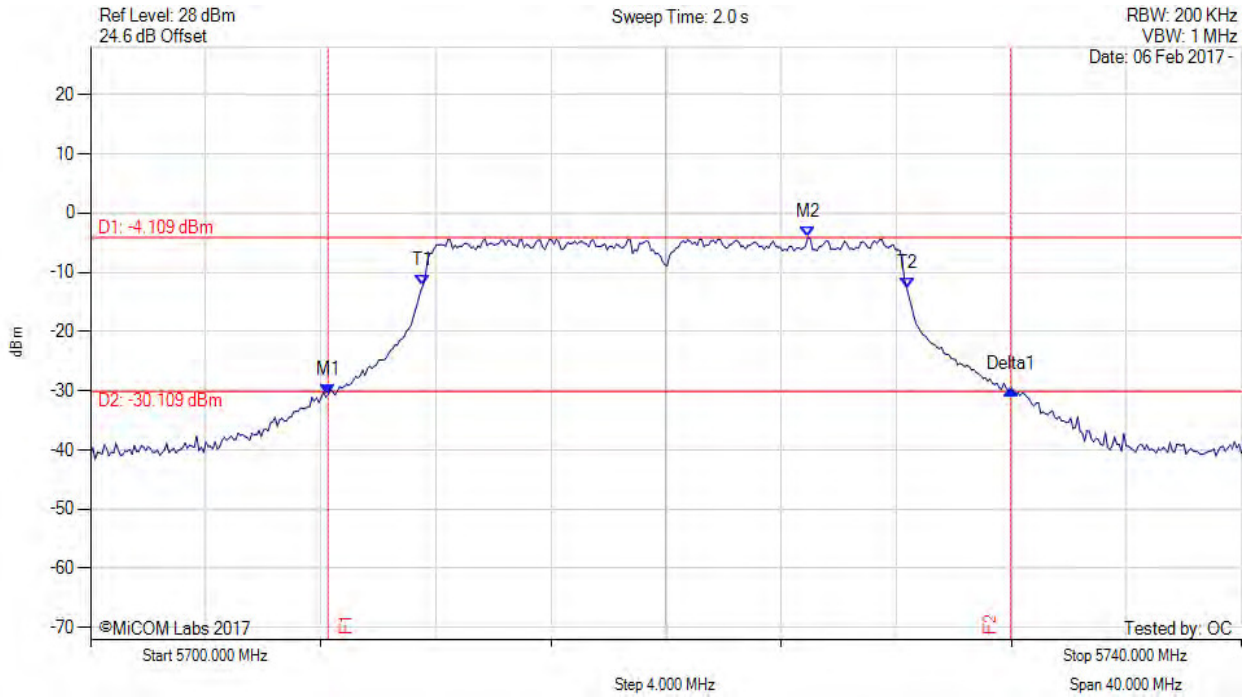
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.176 MHz : -31.206 dBm M2 : 5724.930 MHz : -4.579 dBm Delta1 : 23.567 MHz : 0.380 dB T1 : 5711.543 MHz : -12.388 dBm T2 : 5728.377 MHz : -12.976 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.567 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



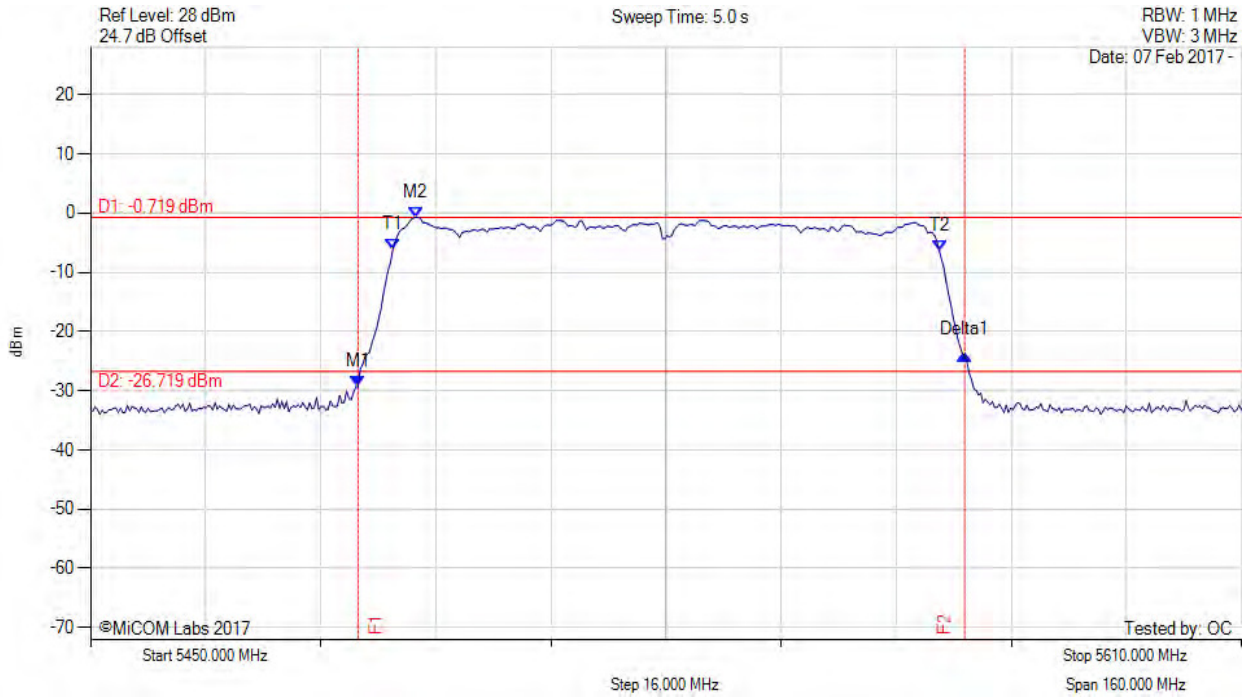
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.257 MHz : -30.688 dBm M2 : 5724.930 MHz : -4.109 dBm Delta1 : 23.727 MHz : 1.033 dB T1 : 5711.543 MHz : -12.303 dBm T2 : 5728.377 MHz : -12.752 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.727 MHz Measured 99% Bandwidth: 16.834 MHz

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26 dB & 99% BANDWIDTH

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



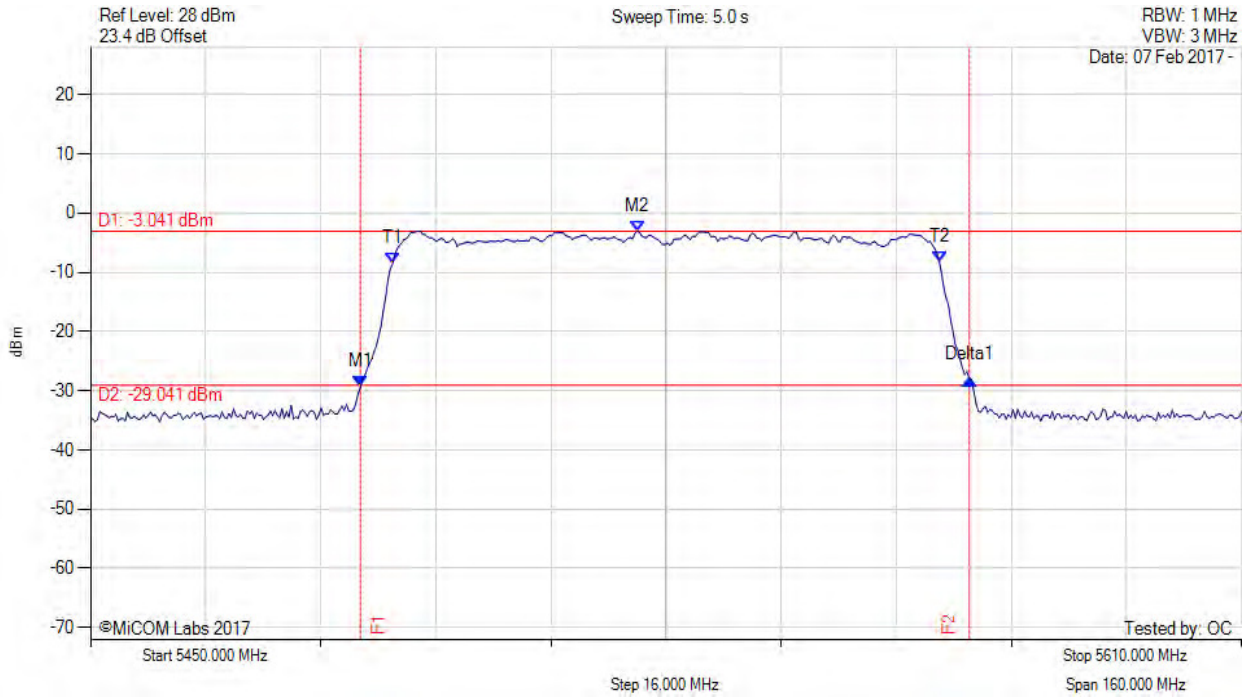
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.194 MHz : -29.352 dBm M2 : 5495.210 MHz : -0.719 dBm Delta1 : 84.329 MHz : 5.373 dB T1 : 5492.004 MHz : -6.220 dBm T2 : 5567.996 MHz : -6.332 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.329 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



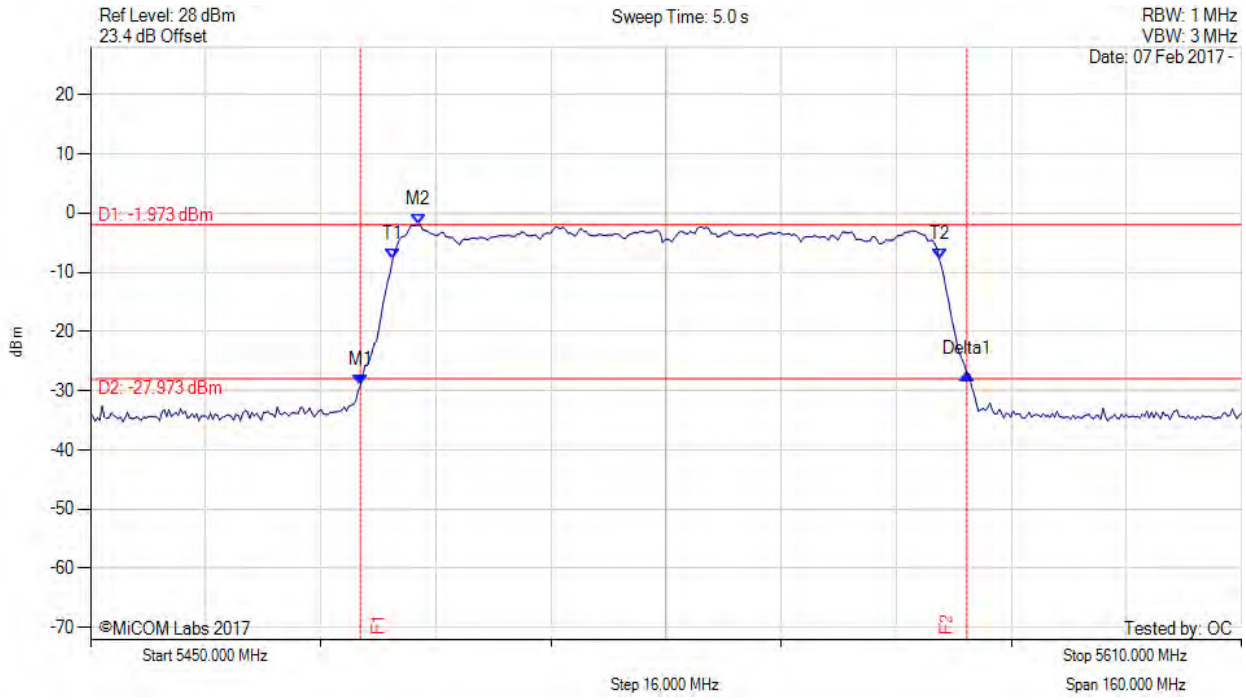
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.515 MHz : -29.388 dBm M2 : 5525.992 MHz : -3.041 dBm Delta1 : 84.649 MHz : 1.346 dB T1 : 5492.004 MHz : -8.518 dBm T2 : 5567.996 MHz : -8.162 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.649 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



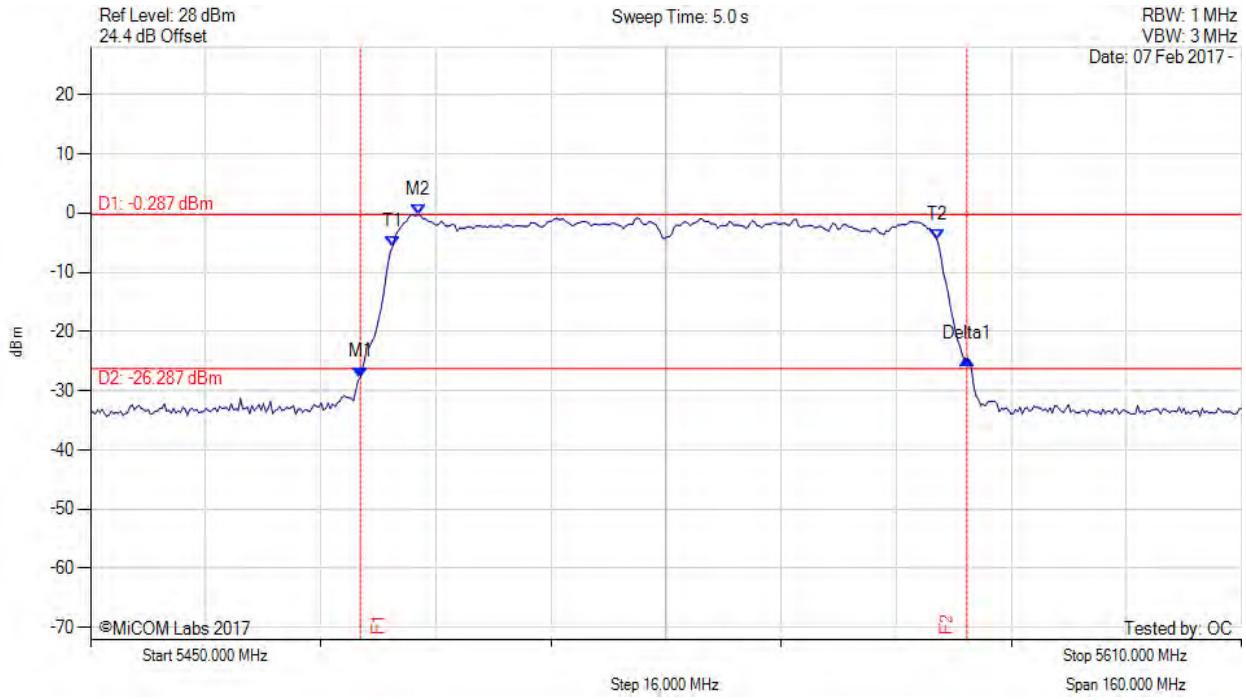
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.515 MHz : -29.144 dBm M2 : 5495.531 MHz : -1.973 dBm Delta1 : 84.329 MHz : 1.895 dB T1 : 5492.004 MHz : -7.737 dBm T2 : 5567.996 MHz : -7.831 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.329 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



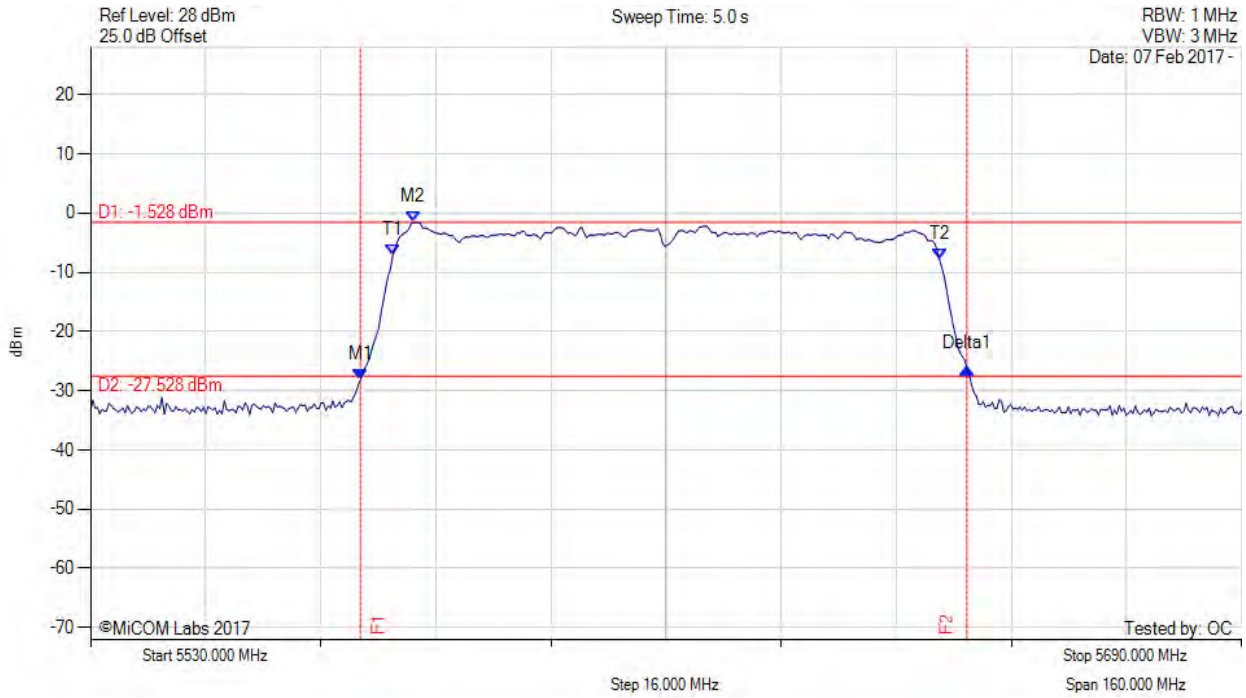
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.515 MHz : -27.761 dBm M2 : 5495.531 MHz : -0.287 dBm Delta1 : 84.329 MHz : 3.051 dB T1 : 5492.004 MHz : -5.636 dBm T2 : 5567.675 MHz : -4.473 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 84.329 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



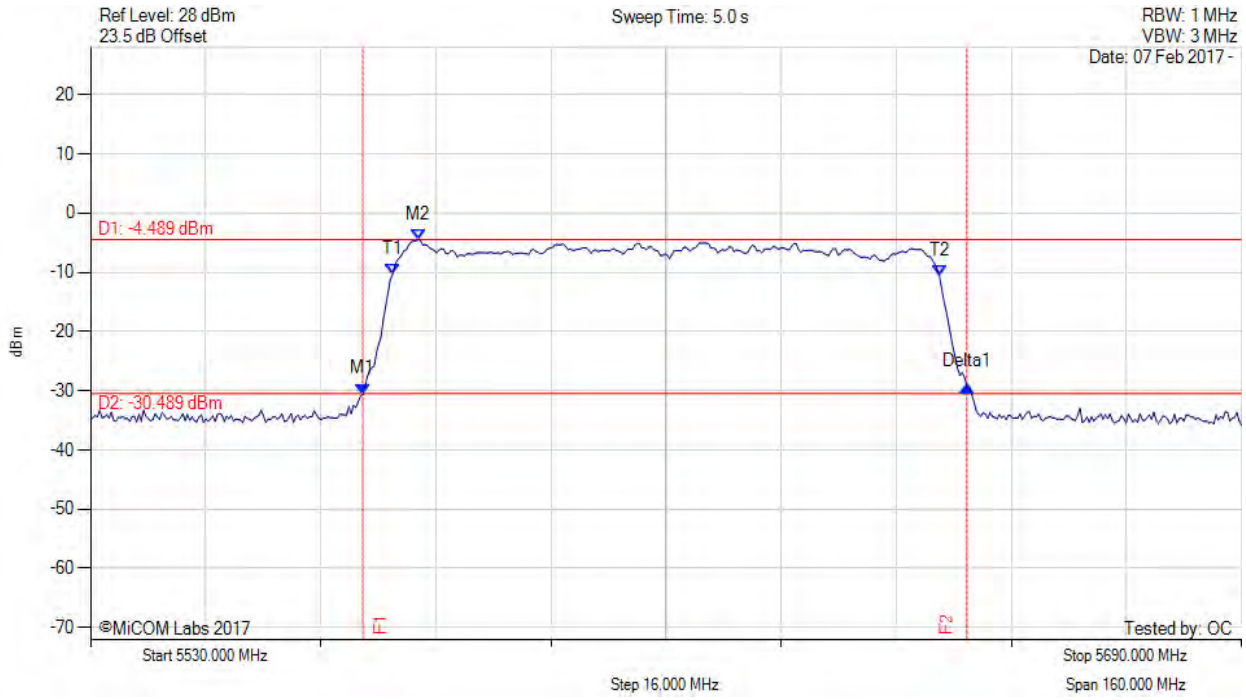
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.515 MHz : -28.148 dBm M2 : 5574.890 MHz : -1.528 dBm Delta1 : 84.329 MHz : 1.798 dB T1 : 5572.004 MHz : -7.135 dBm T2 : 5647.996 MHz : -7.761 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.329 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



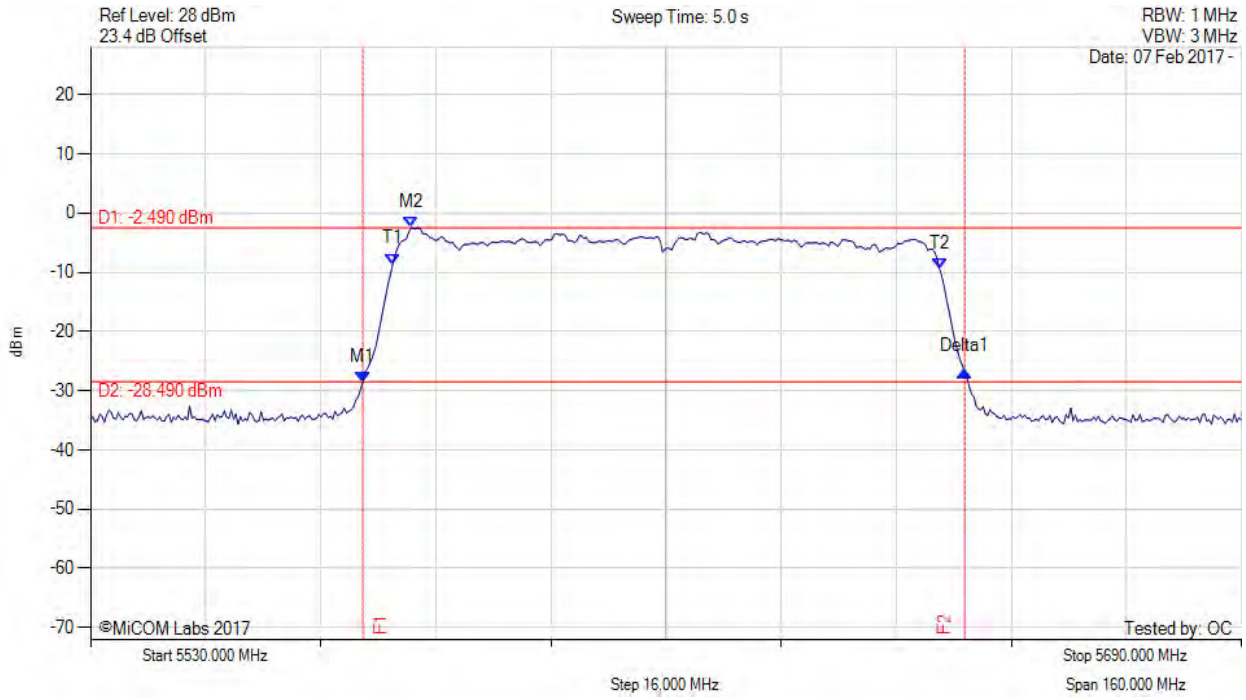
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.836 MHz : -30.574 dBm M2 : 5575.531 MHz : -4.489 dBm Delta1 : 84.008 MHz : 1.361 dB T1 : 5572.004 MHz : -10.297 dBm T2 : 5647.996 MHz : -10.546 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.008 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



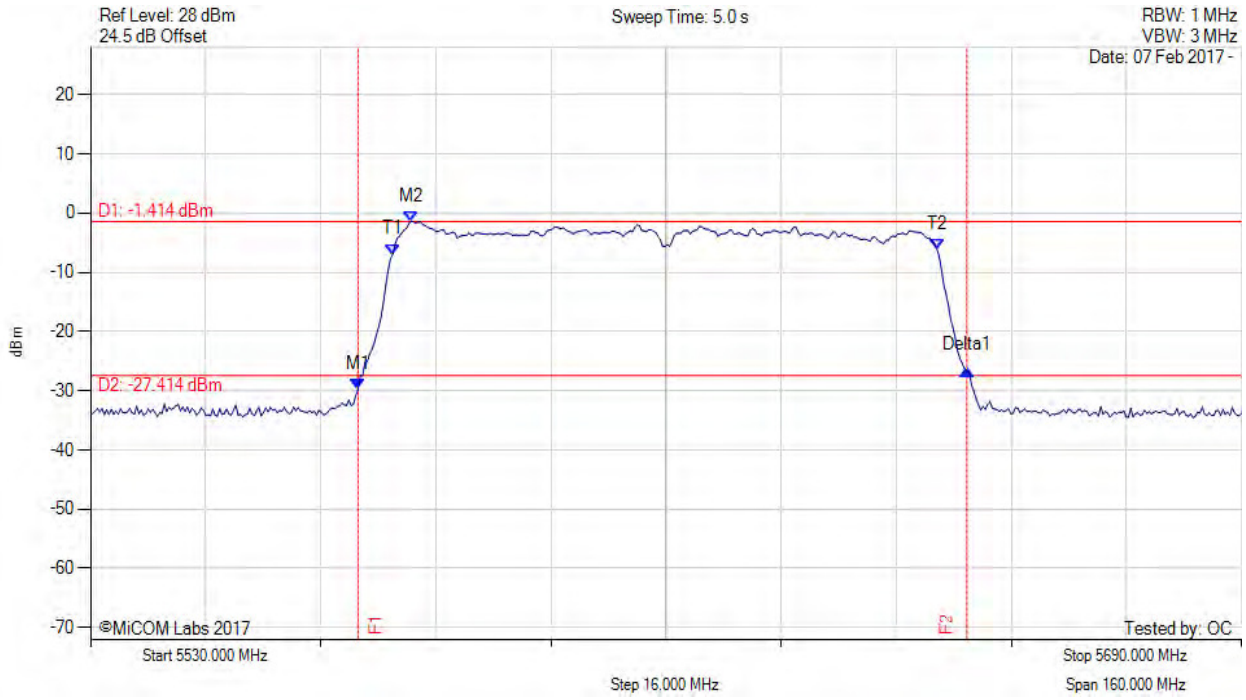
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.836 MHz : -28.563 dBm M2 : 5574.569 MHz : -2.490 dBm Delta1 : 83.687 MHz : 1.865 dB T1 : 5572.004 MHz : -8.591 dBm T2 : 5647.996 MHz : -9.321 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 83.687 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



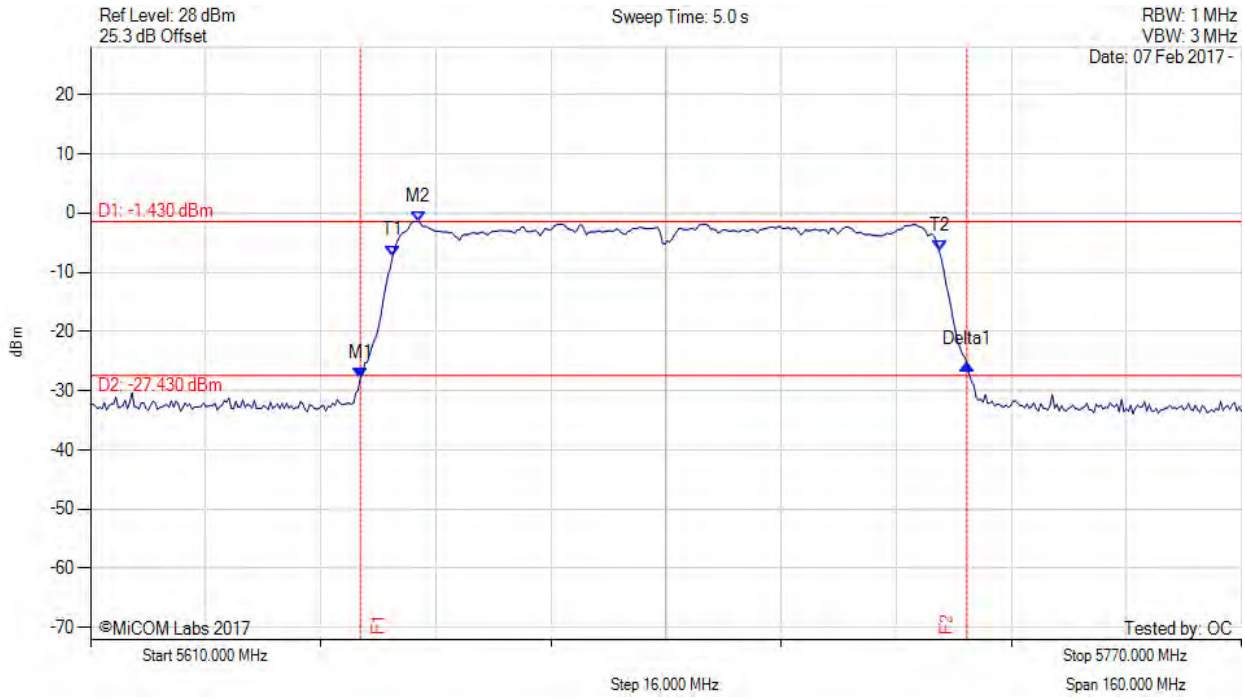
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.194 MHz : -29.754 dBm M2 : 5574.569 MHz : -1.414 dBm Delta1 : 84.649 MHz : 3.187 dB T1 : 5572.004 MHz : -6.958 dBm T2 : 5647.675 MHz : -6.088 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 84.649 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



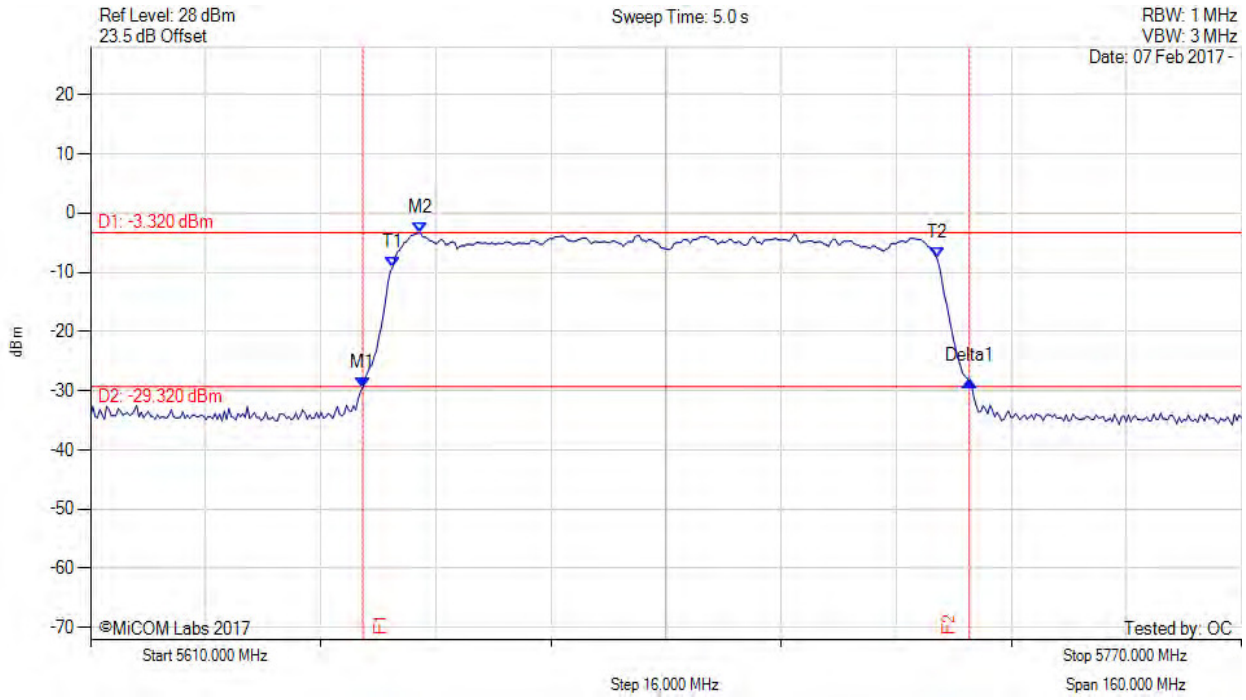
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5647.515 MHz : -27.816 dBm M2 : 5655.531 MHz : -1.430 dBm Delta1 : 84.329 MHz : 2.361 dB T1 : 5652.004 MHz : -7.196 dBm T2 : 5727.996 MHz : -6.452 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.329 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



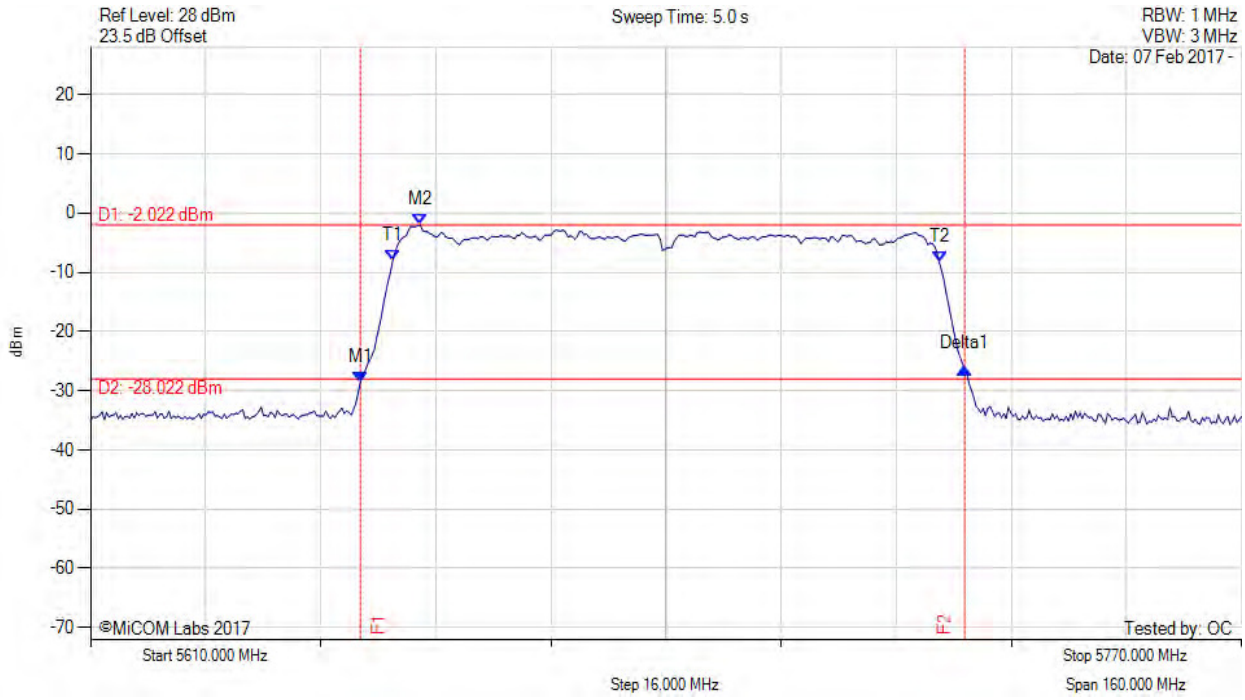
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5647.836 MHz : -29.451 dBm M2 : 5655.852 MHz : -3.320 dBm Delta1 : 84.329 MHz : 1.153 dB T1 : 5652.004 MHz : -9.181 dBm T2 : 5727.675 MHz : -7.633 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 84.329 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



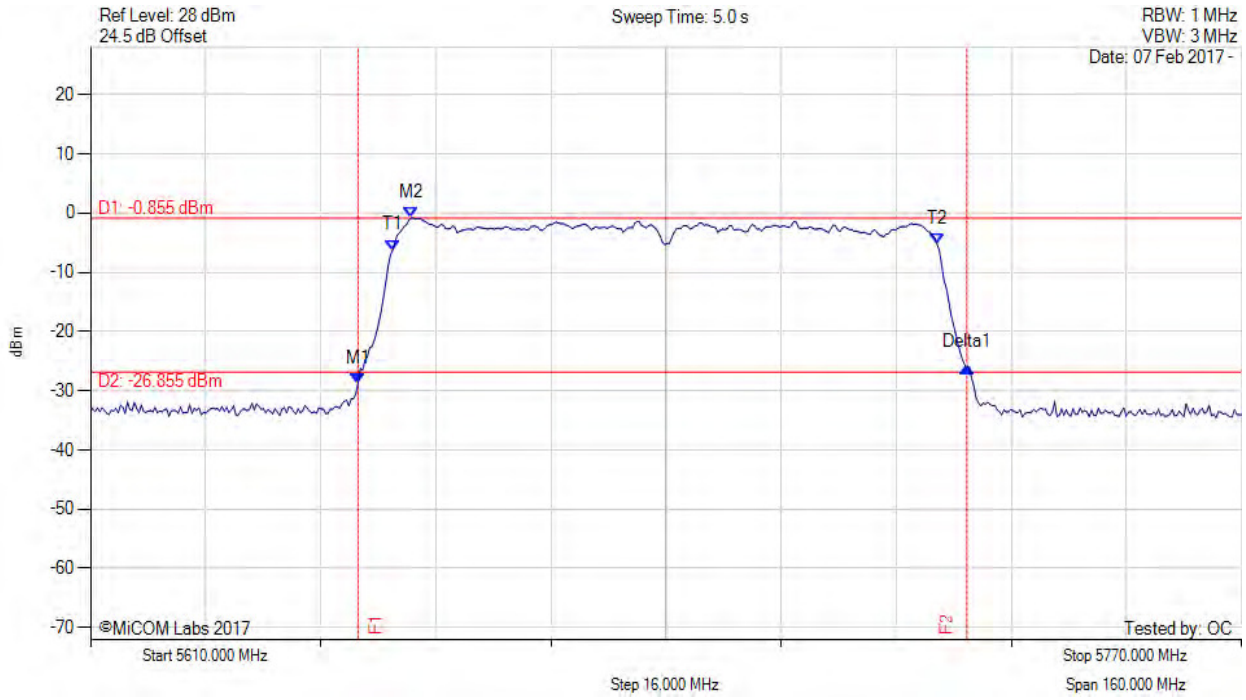
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5647.515 MHz : -28.485 dBm M2 : 5655.852 MHz : -2.022 dBm Delta1 : 84.008 MHz : 2.190 dB T1 : 5652.004 MHz : -8.028 dBm T2 : 5727.996 MHz : -8.331 dBm OBW : 75.992 MHz	Measured 26 dB Bandwidth: 84.008 MHz Measured 99% Bandwidth: 75.992 MHz

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26 dB & 99% BANDWIDTH

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



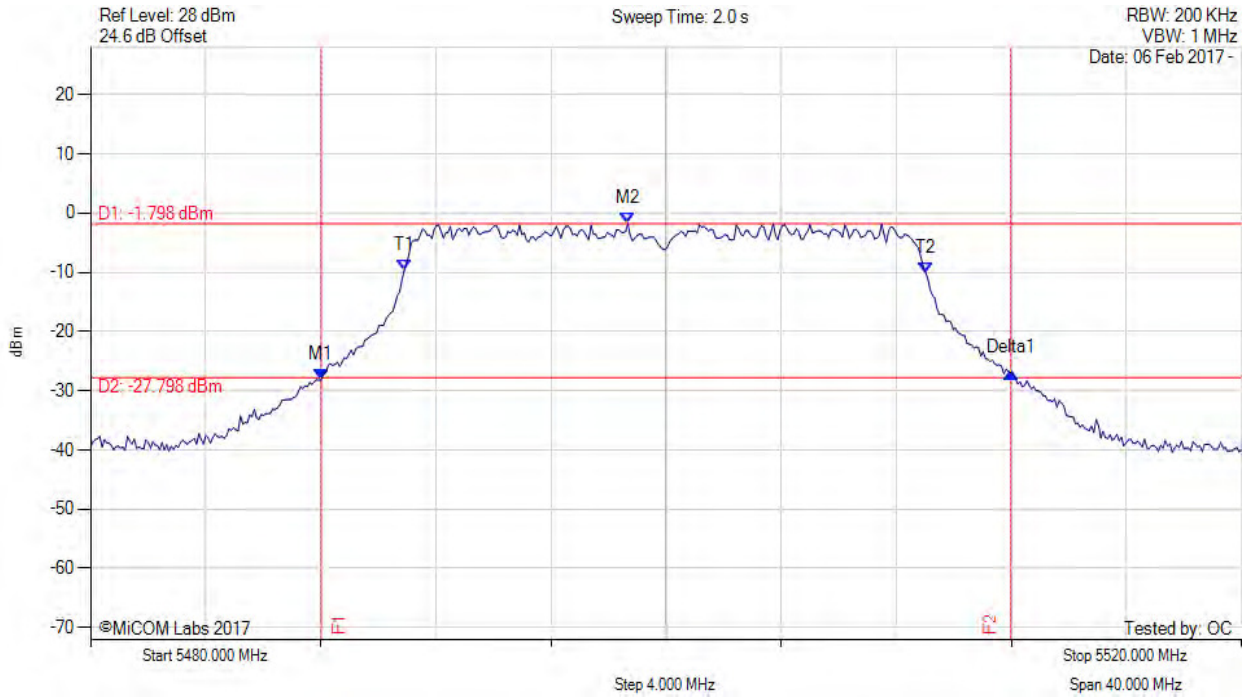
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5647.194 MHz : -28.721 dBm M2 : 5654.569 MHz : -0.855 dBm Delta1 : 84.649 MHz : 2.764 dB T1 : 5652.004 MHz : -6.263 dBm T2 : 5727.675 MHz : -5.126 dBm OBW : 75.671 MHz	Measured 26 dB Bandwidth: 84.649 MHz Measured 99% Bandwidth: 75.671 MHz

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26 dB & 99% BANDWIDTH

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



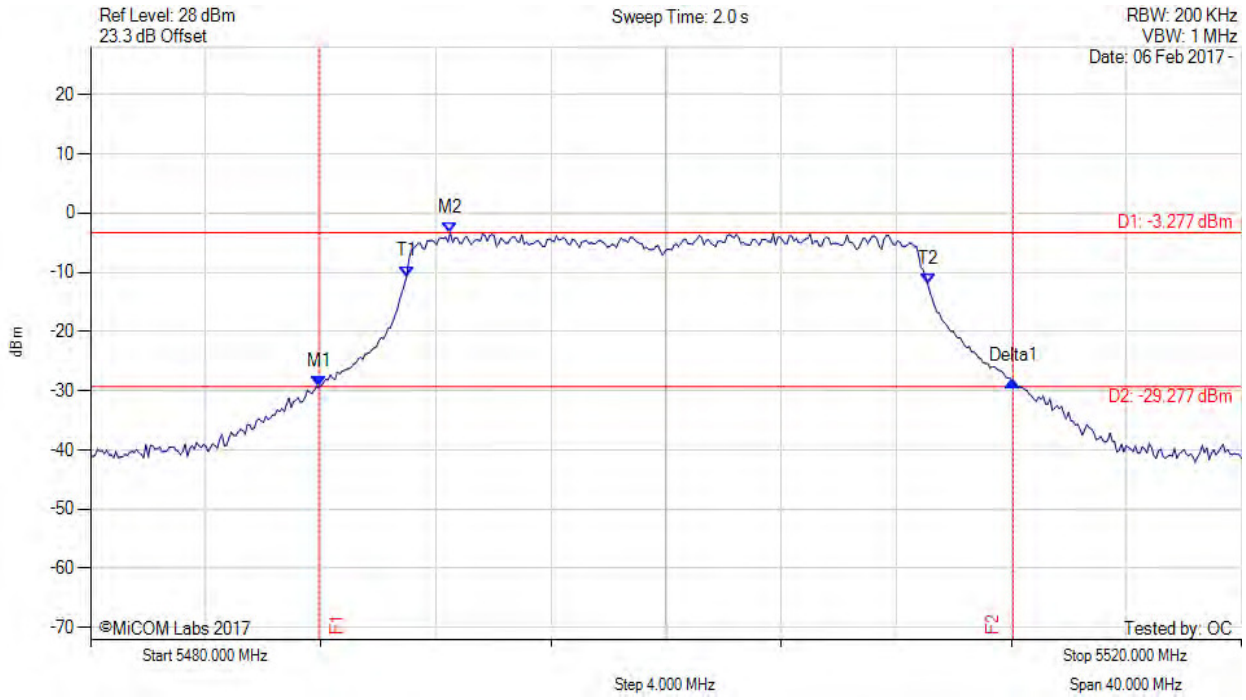
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.016 MHz : -28.209 dBm M2 : 5498.677 MHz : -1.798 dBm Delta1 : 23.968 MHz : 1.232 dB T1 : 5490.902 MHz : -9.759 dBm T2 : 5509.018 MHz : -10.064 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 23.968 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



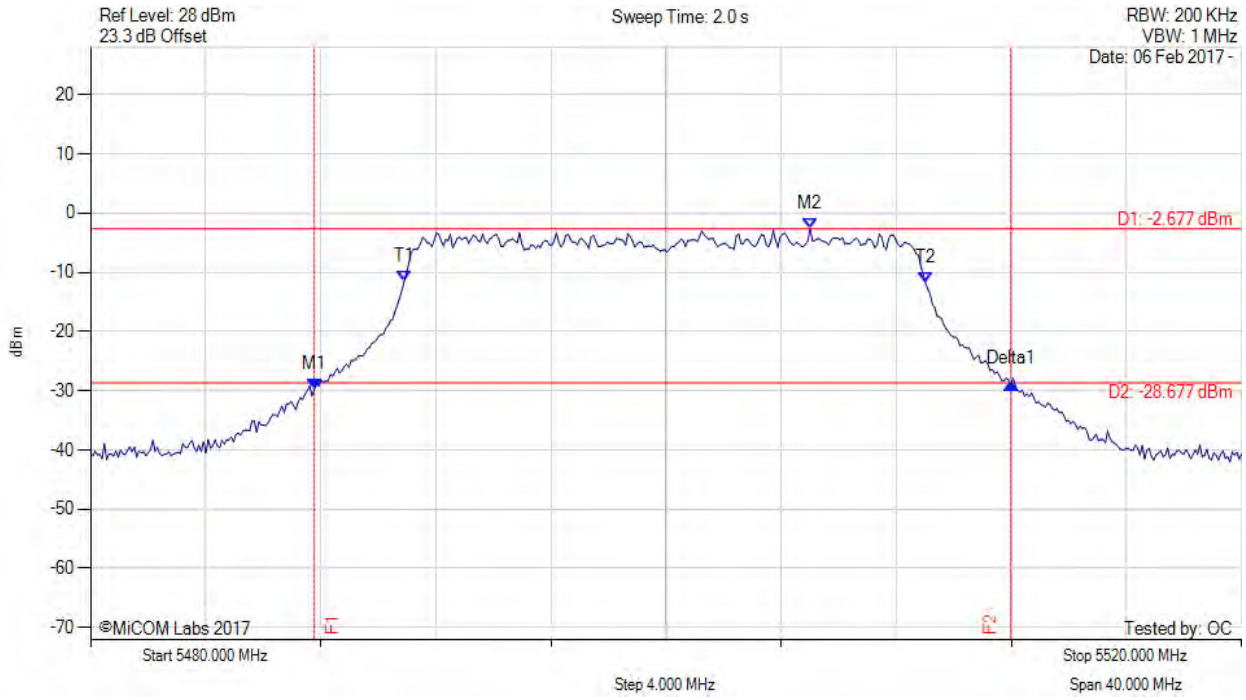
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.936 MHz : -29.368 dBm M2 : 5492.505 MHz : -3.277 dBm Delta1 : 24.128 MHz : 0.974 dB T1 : 5490.982 MHz : -10.696 dBm T2 : 5509.098 MHz : -11.994 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.128 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



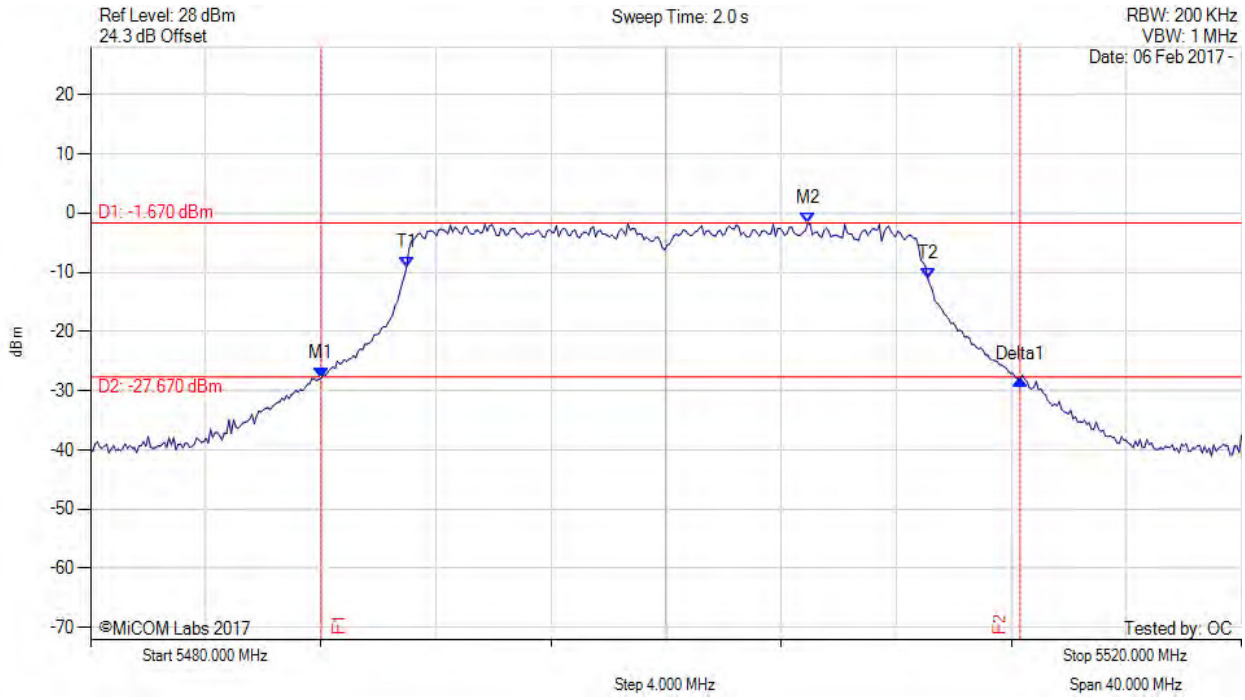
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.776 MHz : -29.781 dBm M2 : 5505.010 MHz : -2.677 dBm Delta1 : 24.208 MHz : 0.919 dB T1 : 5490.902 MHz : -11.546 dBm T2 : 5509.018 MHz : -11.762 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.208 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



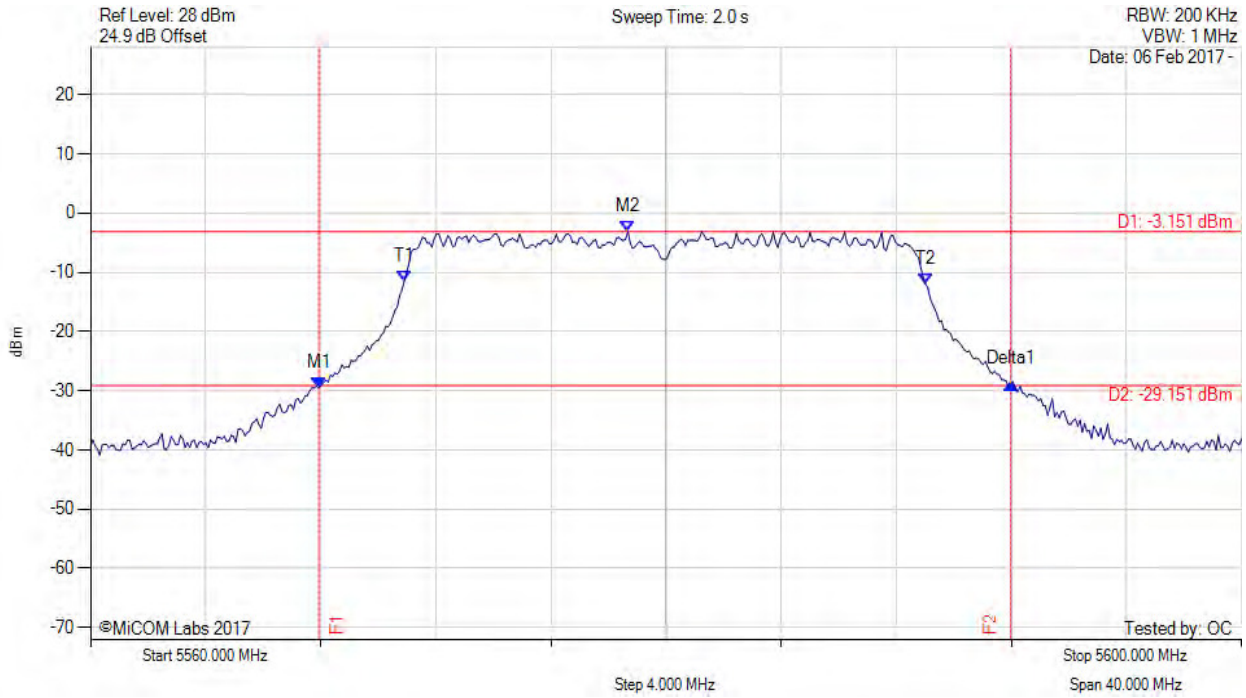
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.016 MHz : -27.828 dBm M2 : 5504.930 MHz : -1.670 dBm Delta1 : 24.289 MHz : -0.224 dB T1 : 5490.982 MHz : -9.142 dBm T2 : 5509.098 MHz : -11.024 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.289 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



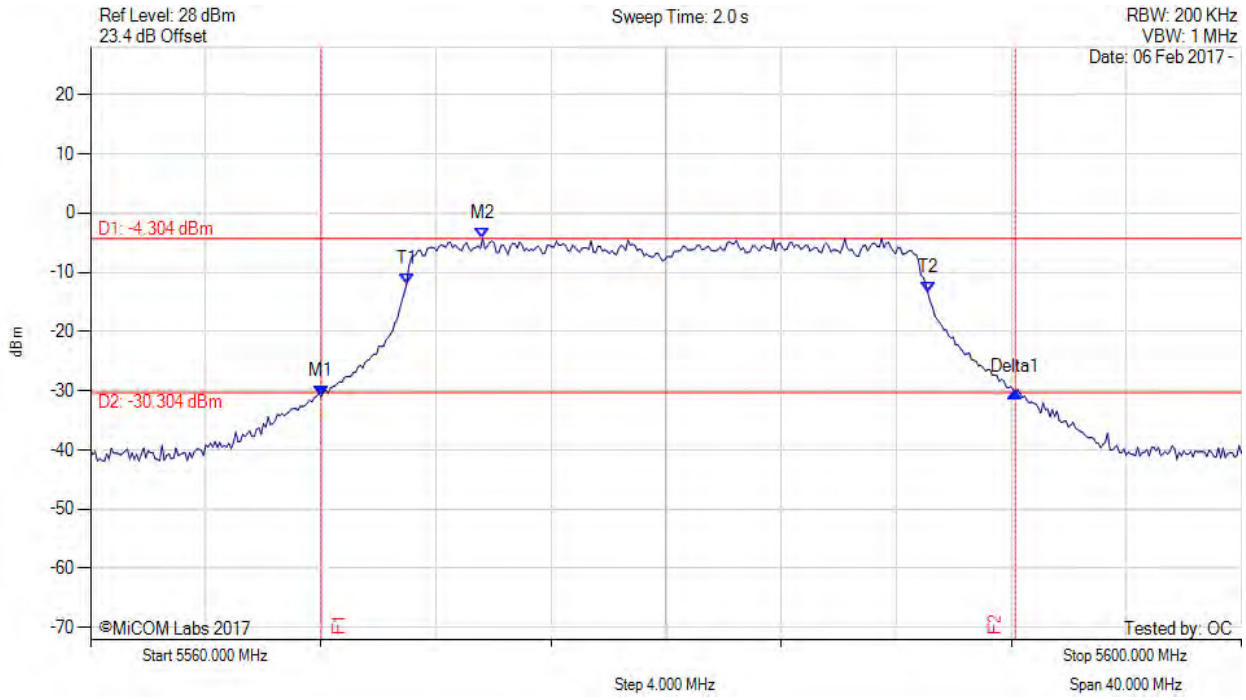
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.936 MHz : -29.496 dBm M2 : 5578.677 MHz : -3.151 dBm Delta1 : 24.048 MHz : 0.665 dB T1 : 5570.902 MHz : -11.475 dBm T2 : 5589.018 MHz : -11.965 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



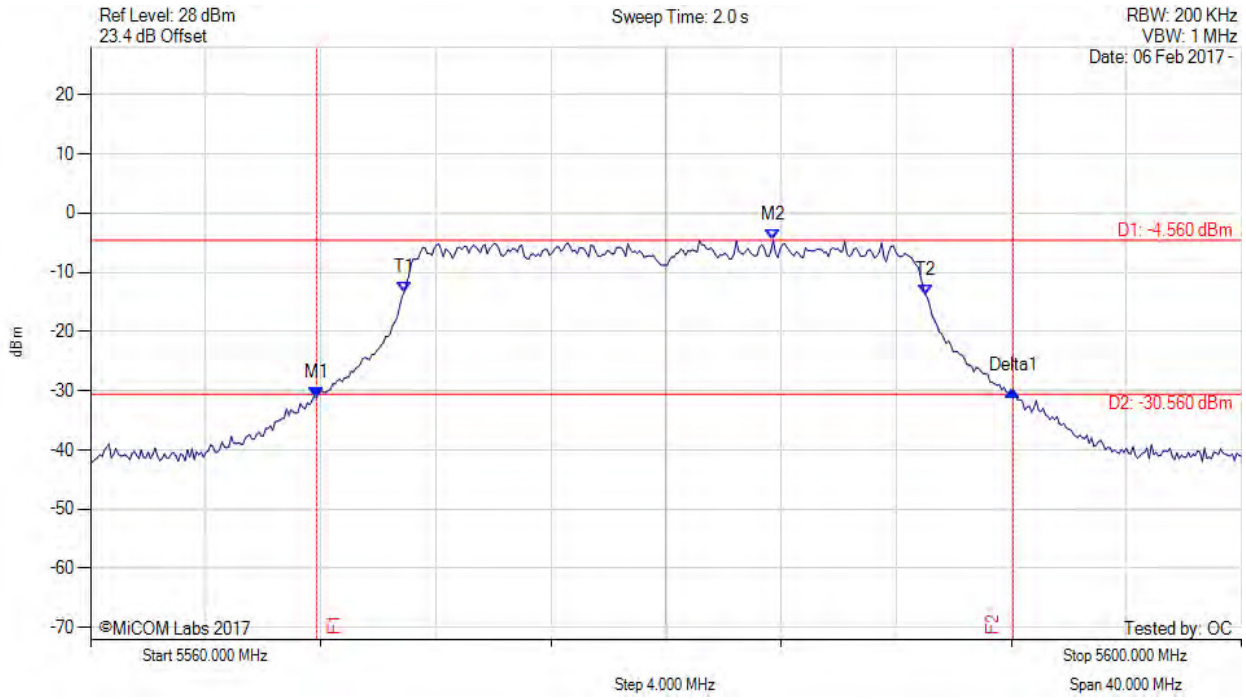
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.016 MHz : -31.017 dBm M2 : 5573.627 MHz : -4.304 dBm Delta1 : 24.128 MHz : 0.830 dB T1 : 5570.982 MHz : -12.038 dBm T2 : 5589.098 MHz : -13.326 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.128 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



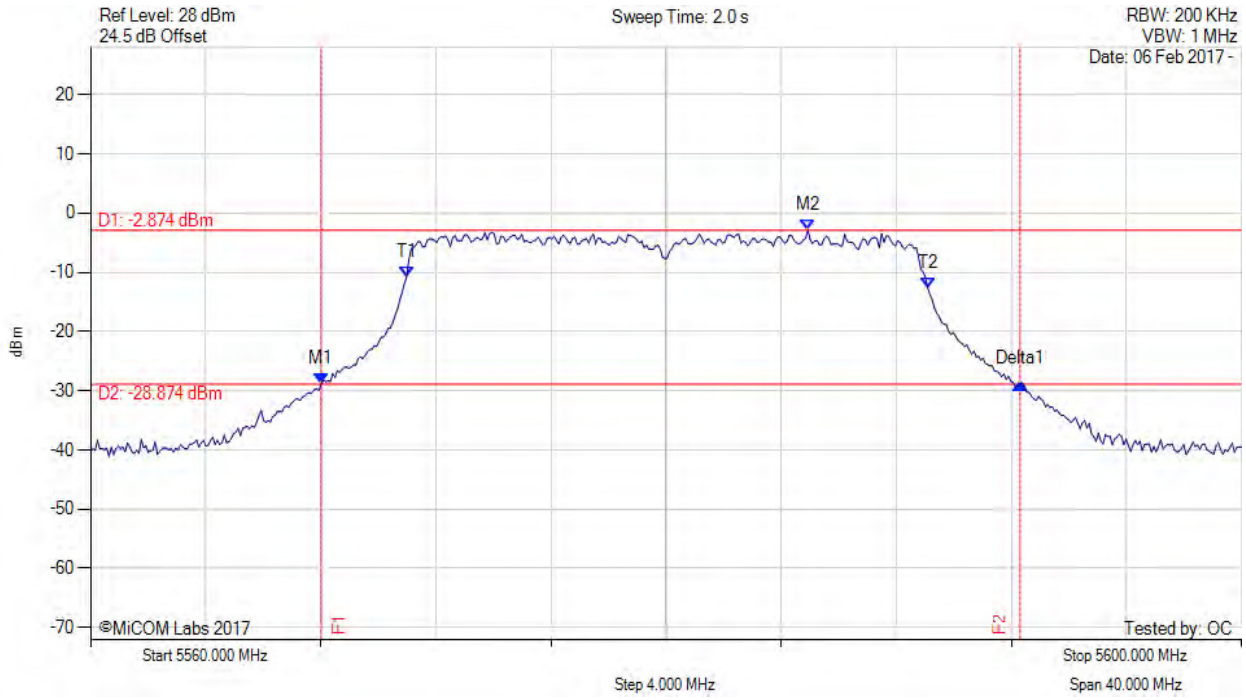
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.856 MHz : -31.131 dBm M2 : 5583.727 MHz : -4.560 dBm Delta1 : 24.208 MHz : 1.214 dB T1 : 5570.902 MHz : -13.395 dBm T2 : 5589.018 MHz : -13.787 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.208 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



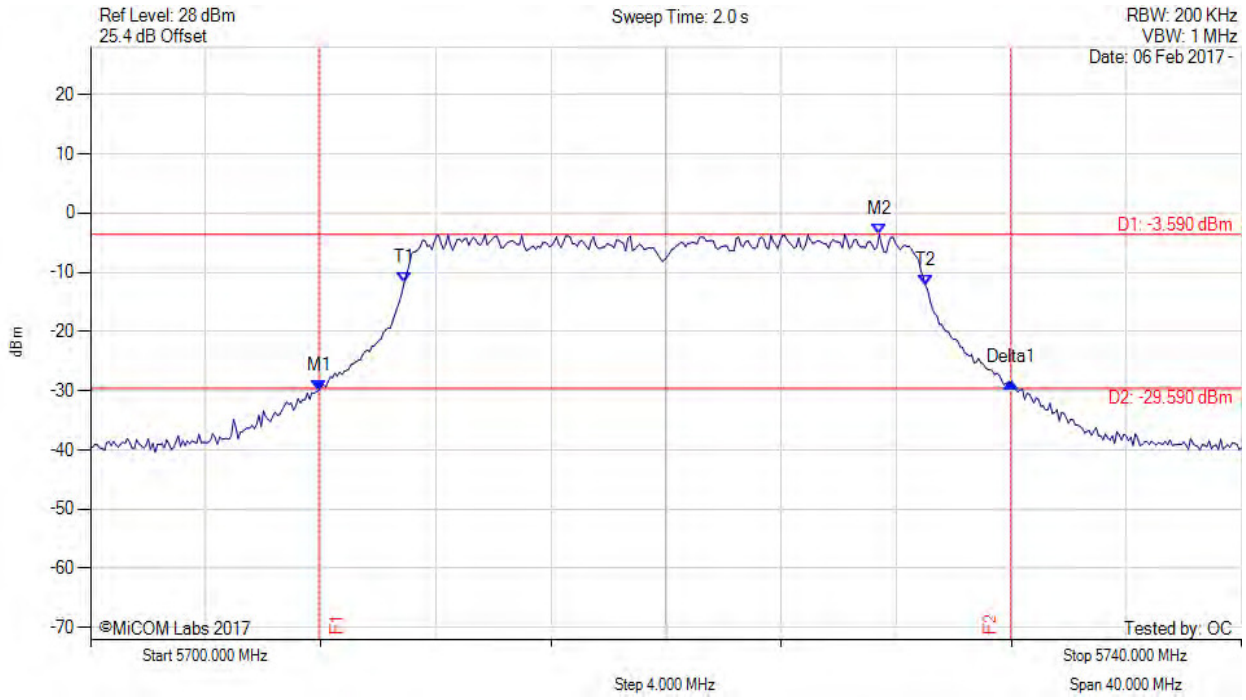
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.016 MHz : -28.906 dBm M2 : 5584.930 MHz : -2.874 dBm Delta1 : 24.289 MHz : 0.049 dB T1 : 5570.982 MHz : -10.790 dBm T2 : 5589.098 MHz : -12.689 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.289 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



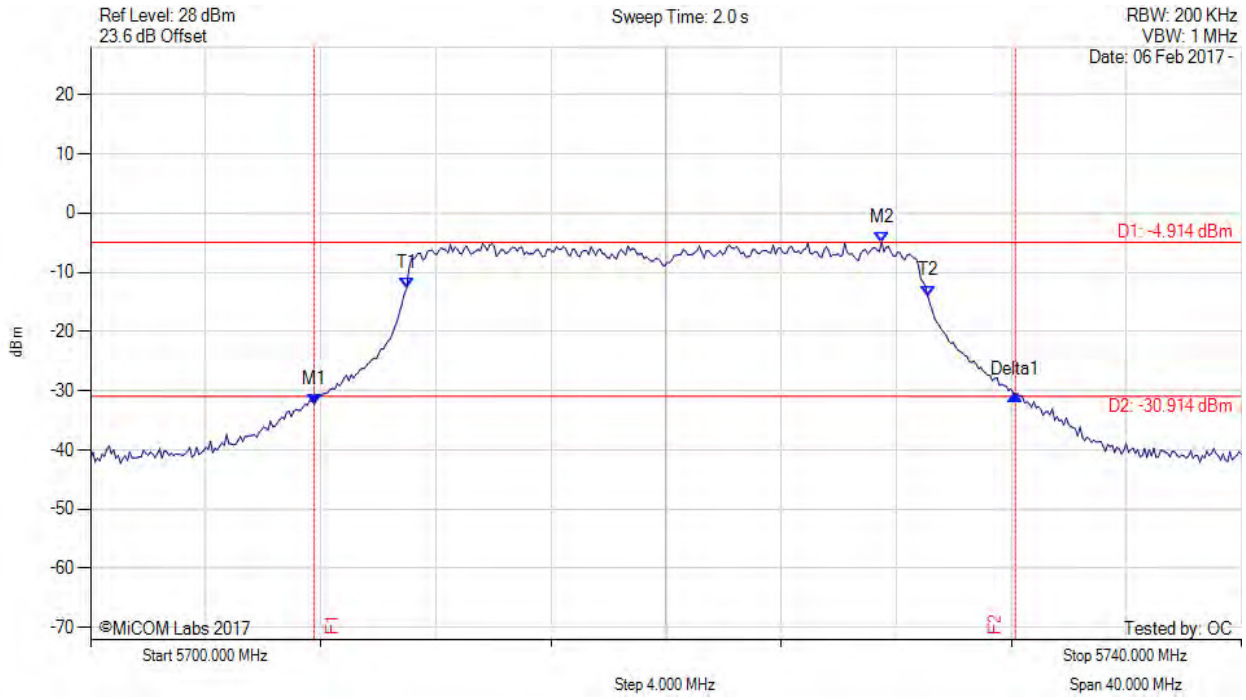
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5707.936 MHz : -29.996 dBm M2 : 5727.415 MHz : -3.590 dBm Delta1 : 24.048 MHz : 1.342 dB T1 : 5710.902 MHz : -11.754 dBm T2 : 5729.018 MHz : -12.166 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.116 MHz

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

26 dB & 99% BANDWIDTH

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



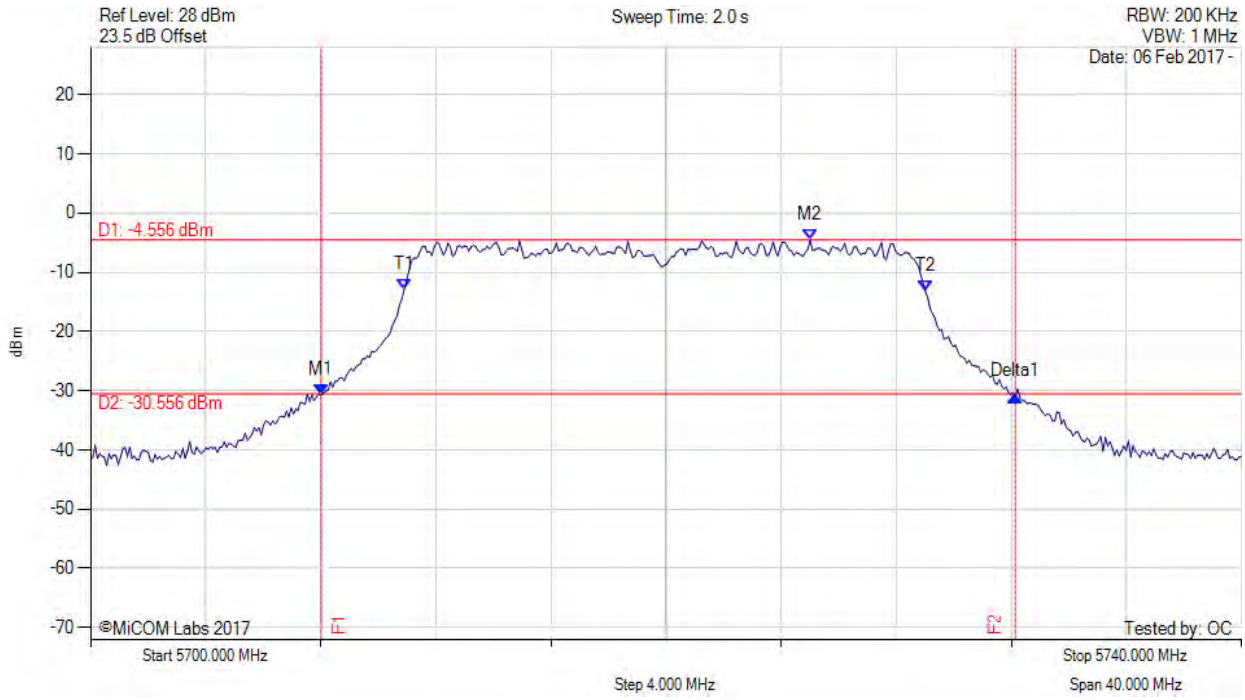
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5707.776 MHz : -32.286 dBm M2 : 5727.495 MHz : -4.914 dBm Delta1 : 24.369 MHz : 1.641 dB T1 : 5710.982 MHz : -12.781 dBm T2 : 5729.098 MHz : -13.970 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.369 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



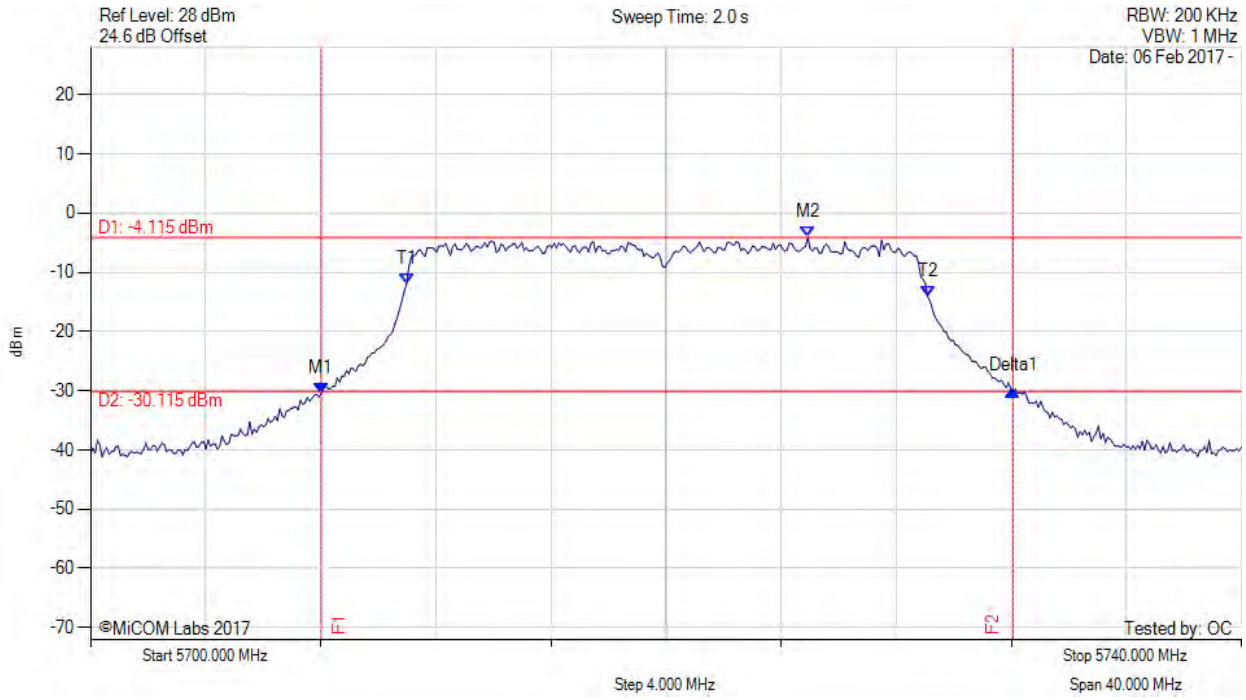
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.016 MHz : -30.700 dBm M2 : 5725.010 MHz : -4.556 dBm Delta1 : 24.128 MHz : -0.159 dB T1 : 5710.902 MHz : -12.915 dBm T2 : 5729.018 MHz : -13.222 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.128 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



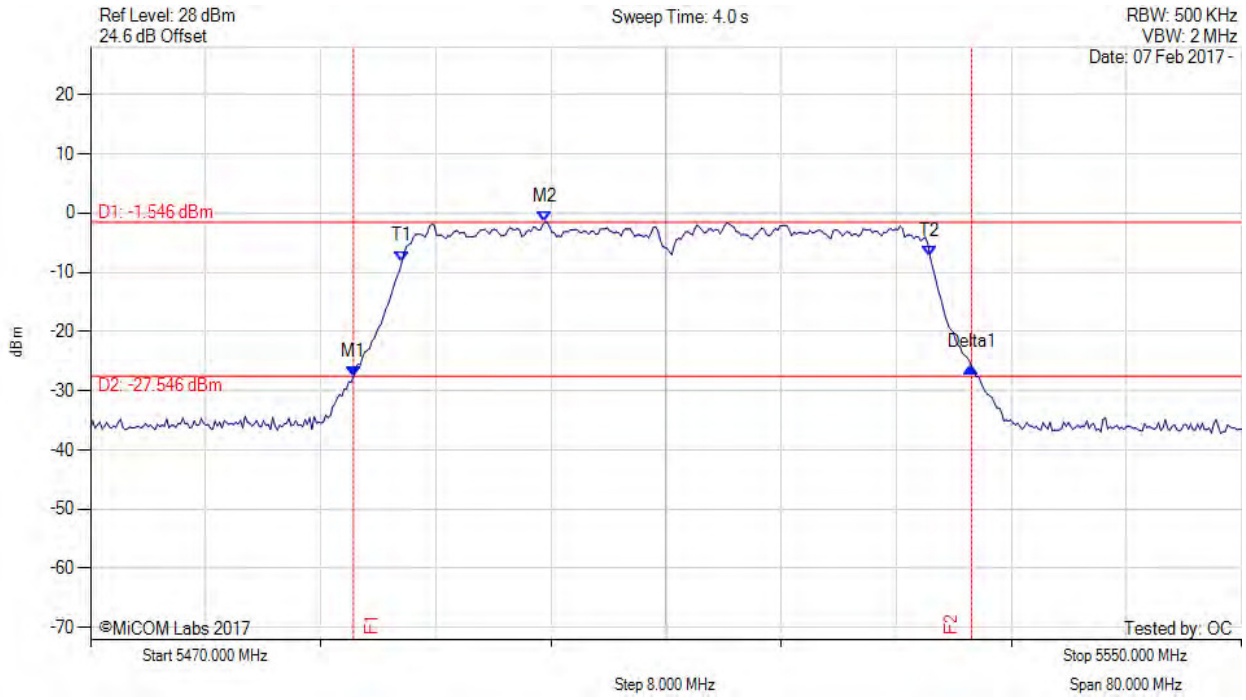
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.016 MHz : -30.458 dBm M2 : 5724.930 MHz : -4.115 dBm Delta1 : 24.048 MHz : 0.447 dB T1 : 5710.982 MHz : -12.020 dBm T2 : 5729.098 MHz : -14.123 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH

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



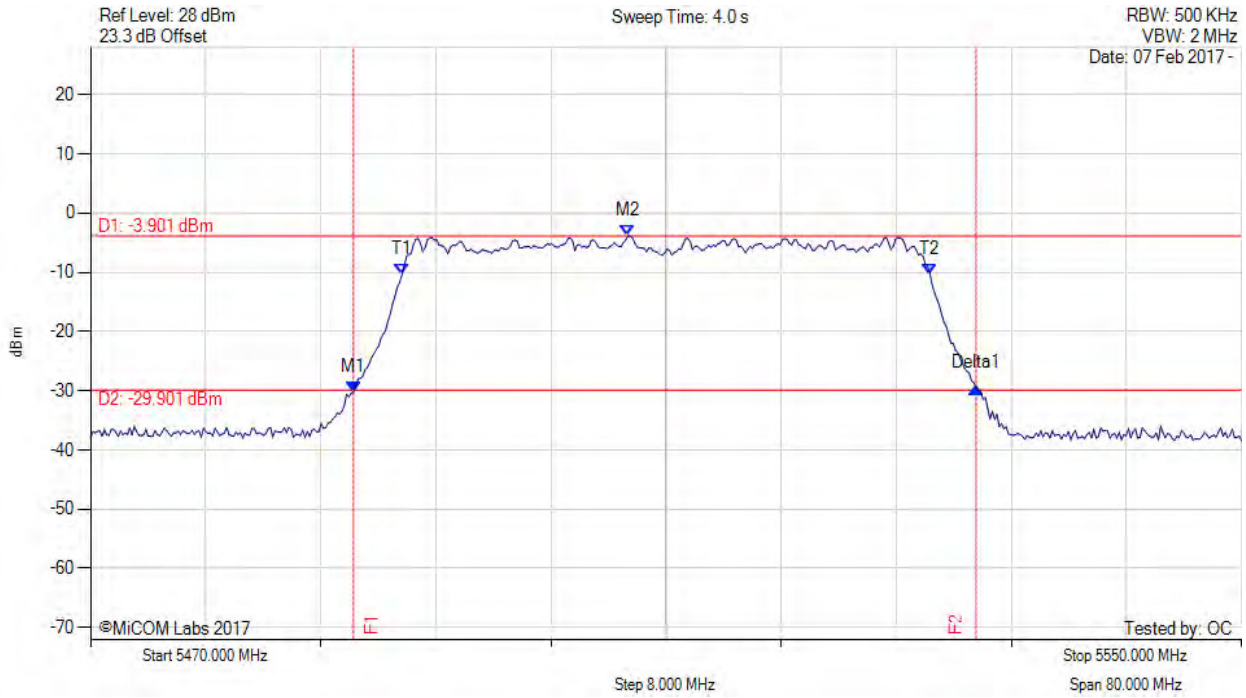
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.277 MHz : -27.594 dBm M2 : 5501.583 MHz : -1.546 dBm Delta1 : 42.966 MHz : 1.653 dB T1 : 5491.643 MHz : -8.146 dBm T2 : 5528.357 MHz : -7.389 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



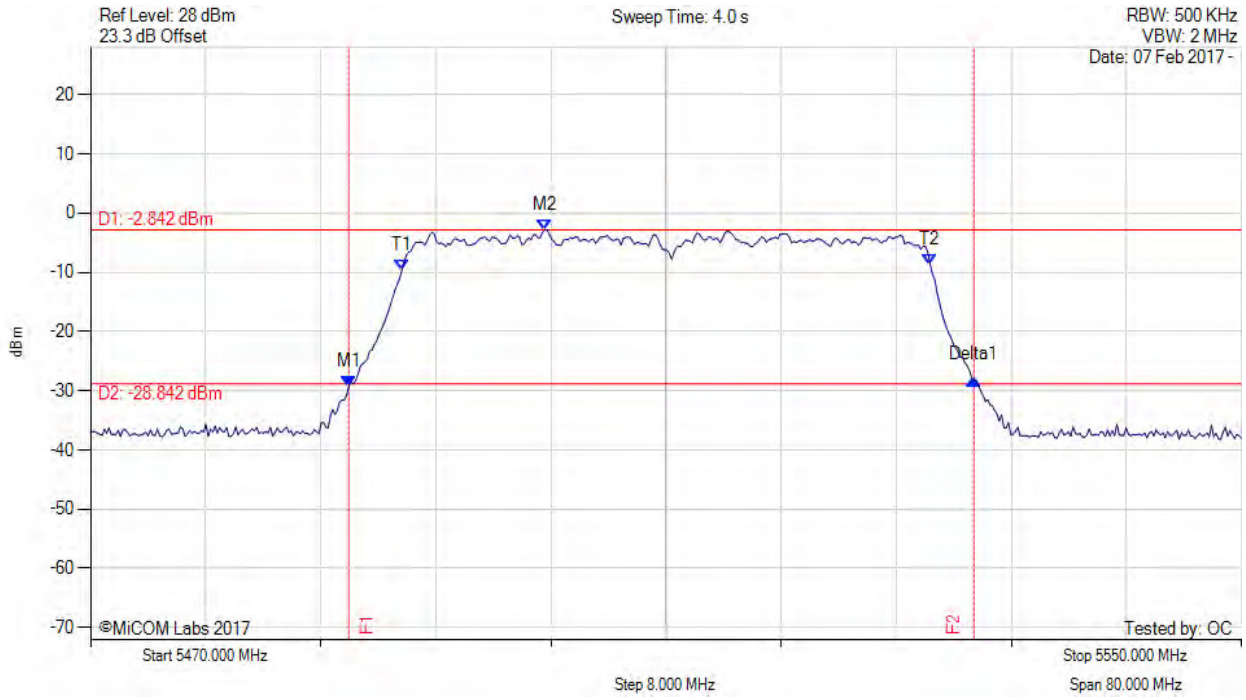
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.277 MHz : -30.163 dBm M2 : 5507.355 MHz : -3.901 dBm Delta1 : 43.287 MHz : 0.612 dB T1 : 5491.643 MHz : -10.454 dBm T2 : 5528.357 MHz : -10.389 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.287 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



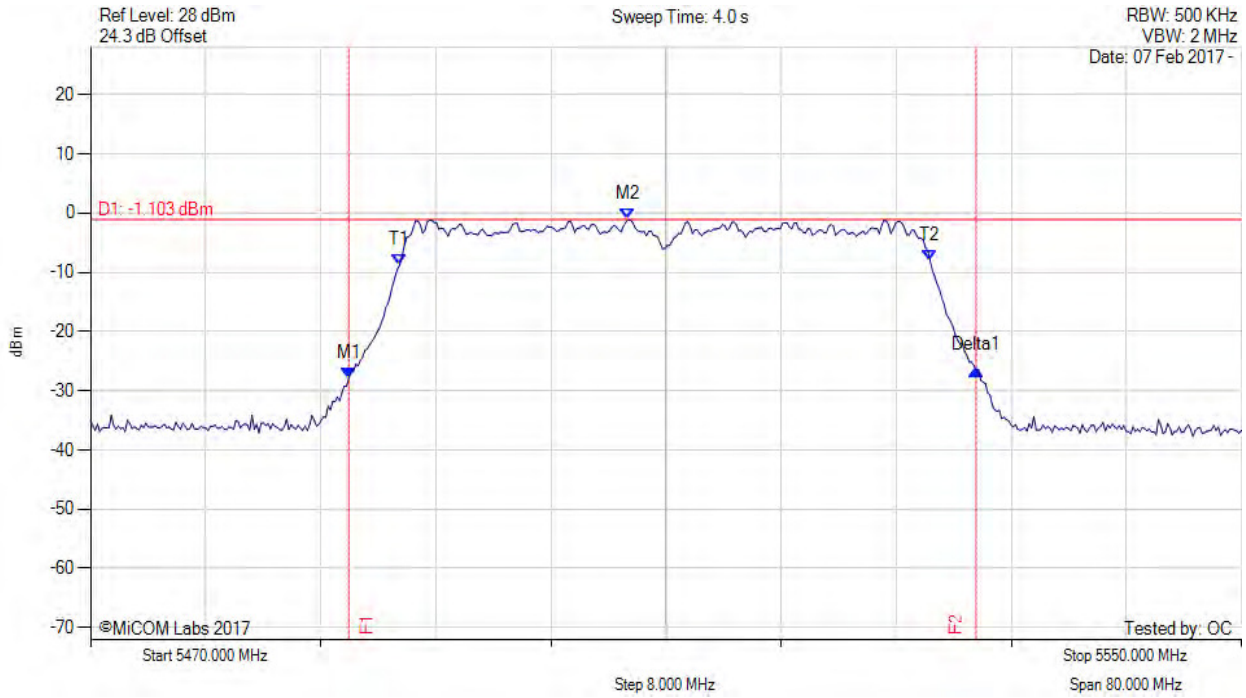
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.956 MHz : -29.226 dBm M2 : 5501.583 MHz : -2.842 dBm Delta1 : 43.447 MHz : 1.007 dB T1 : 5491.643 MHz : -9.606 dBm T2 : 5528.357 MHz : -8.622 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.447 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



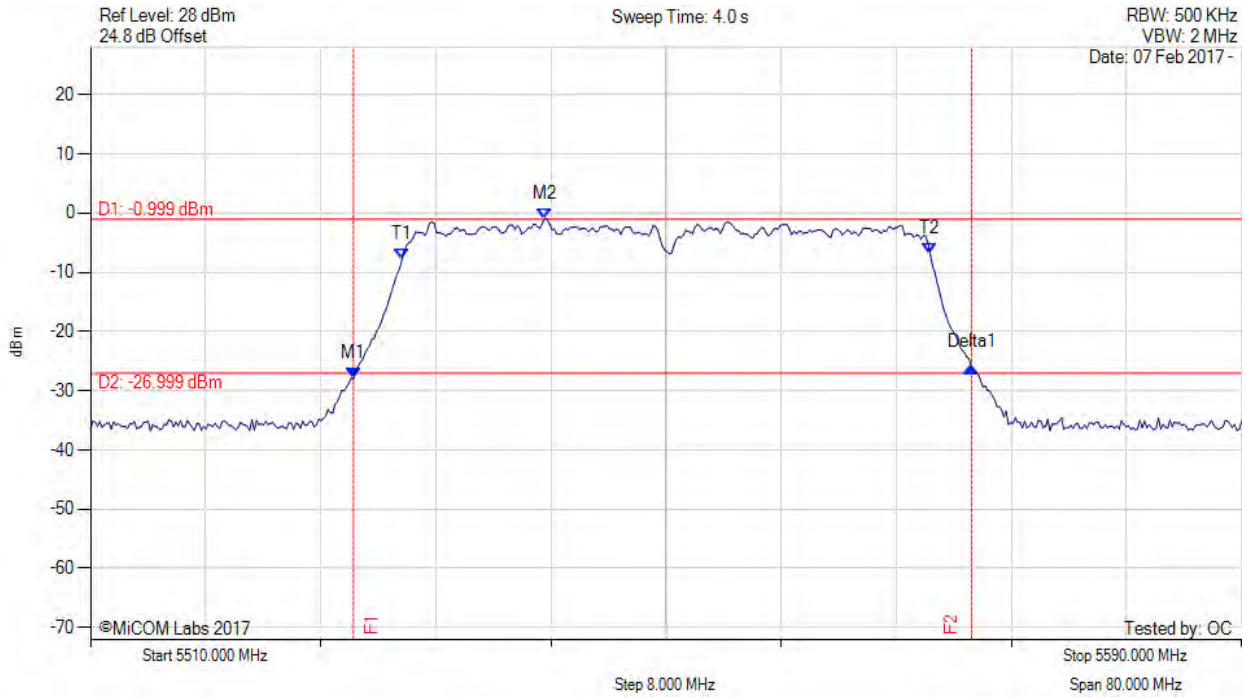
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.956 MHz : -27.859 dBm M2 : 5507.355 MHz : -1.103 dBm Delta1 : 43.607 MHz : 1.371 dB T1 : 5491.483 MHz : -8.792 dBm T2 : 5528.357 MHz : -8.052 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 43.607 MHz Measured 99% Bandwidth: 36.874 MHz

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26 dB & 99% BANDWIDTH

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



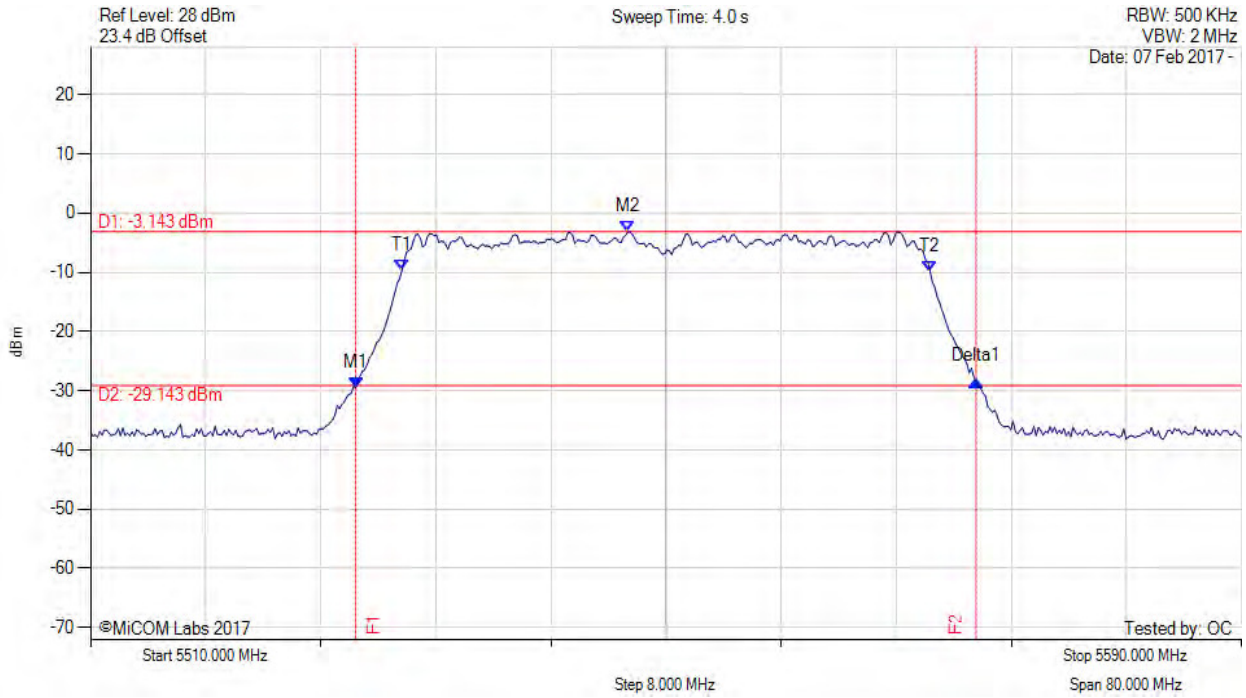
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5528.277 MHz : -27.961 dBm M2 : 5541.583 MHz : -0.999 dBm Delta1 : 42.966 MHz : 1.849 dB T1 : 5531.643 MHz : -7.867 dBm T2 : 5568.357 MHz : -6.803 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



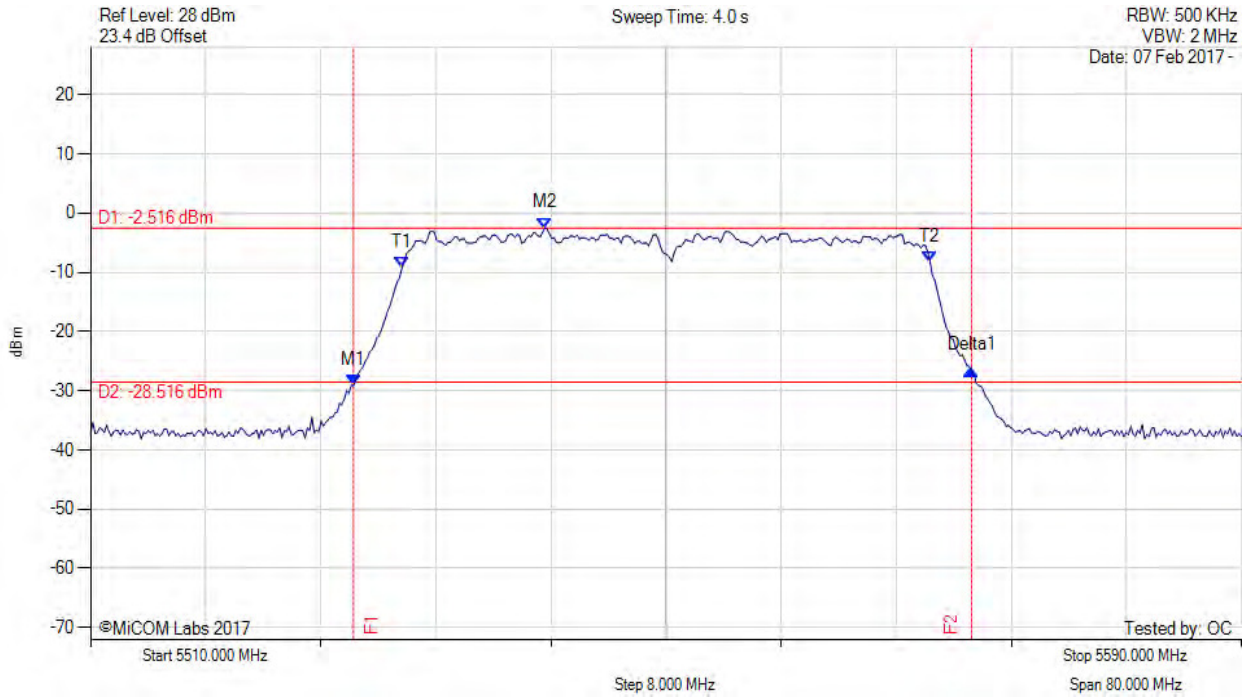
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5528.437 MHz : -29.435 dBm M2 : 5547.355 MHz : -3.143 dBm Delta1 : 43.126 MHz : 1.072 dB T1 : 5531.643 MHz : -9.655 dBm T2 : 5568.357 MHz : -9.830 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



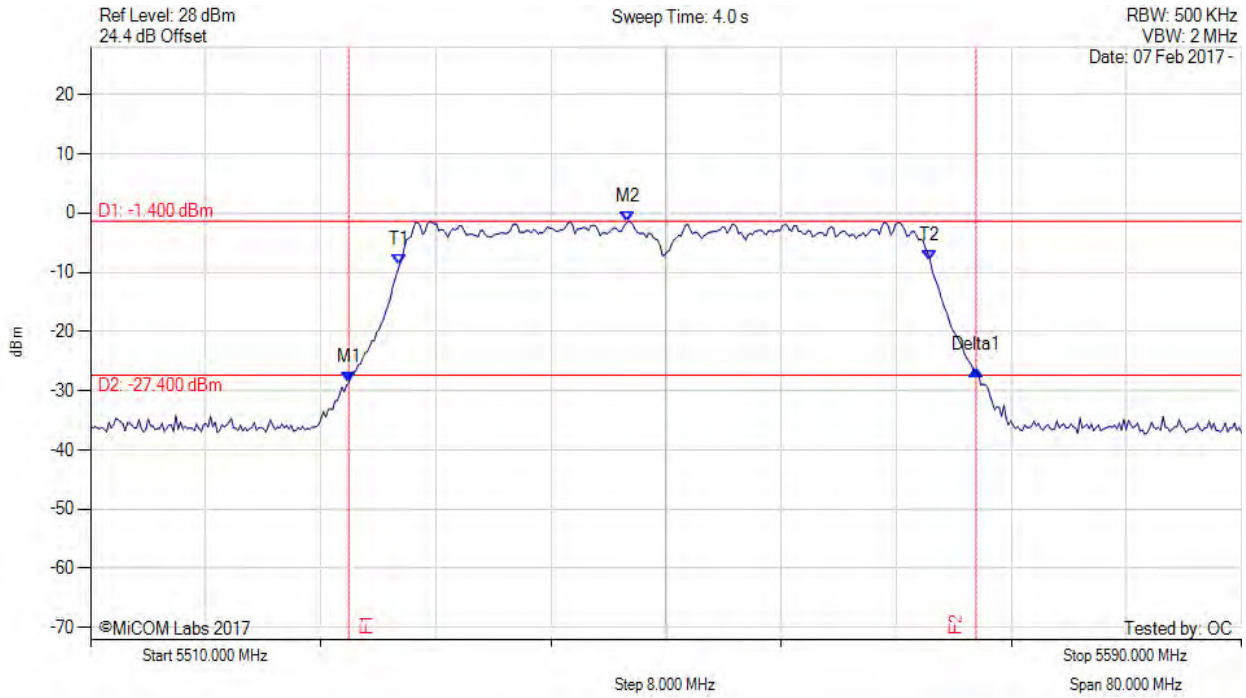
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5528.277 MHz : -29.140 dBm M2 : 5541.583 MHz : -2.516 dBm Delta1 : 42.966 MHz : 2.632 dB T1 : 5531.643 MHz : -9.258 dBm T2 : 5568.357 MHz : -8.223 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 42.966 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



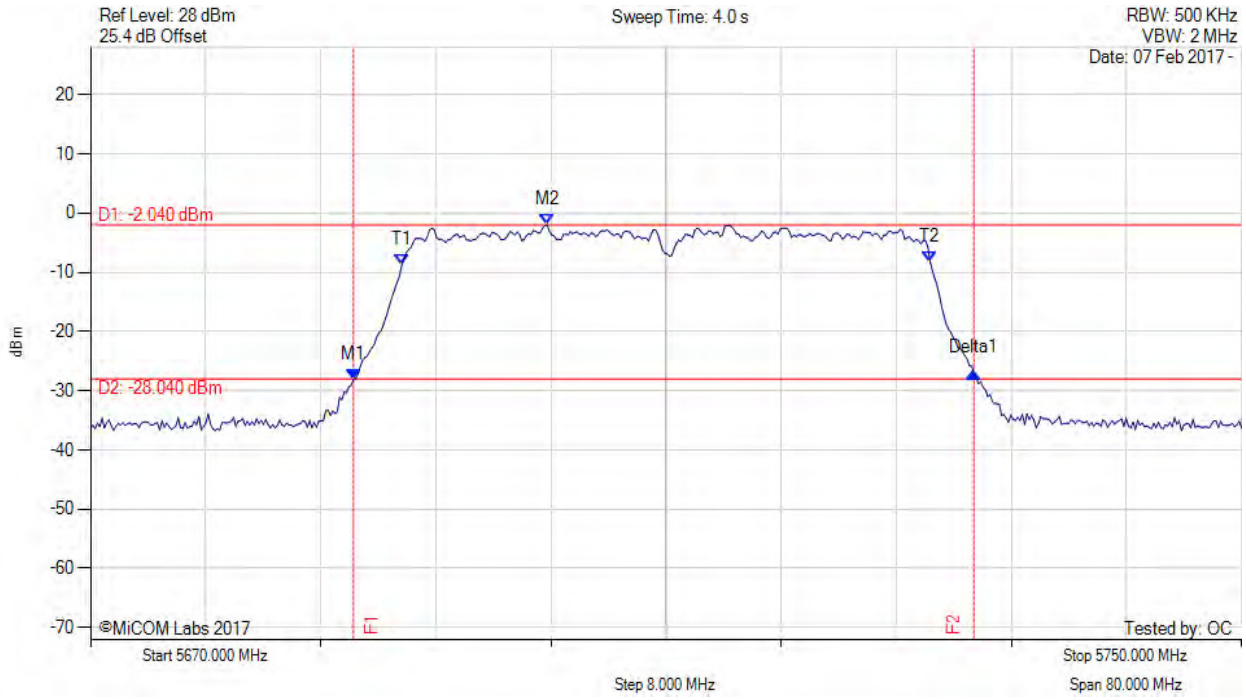
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5527.956 MHz : -28.642 dBm M2 : 5547.355 MHz : -1.400 dBm Delta1 : 43.607 MHz : 2.231 dB T1 : 5531.483 MHz : -8.756 dBm T2 : 5568.357 MHz : -7.946 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 43.607 MHz Measured 99% Bandwidth: 36.874 MHz

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26 dB & 99% BANDWIDTH

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



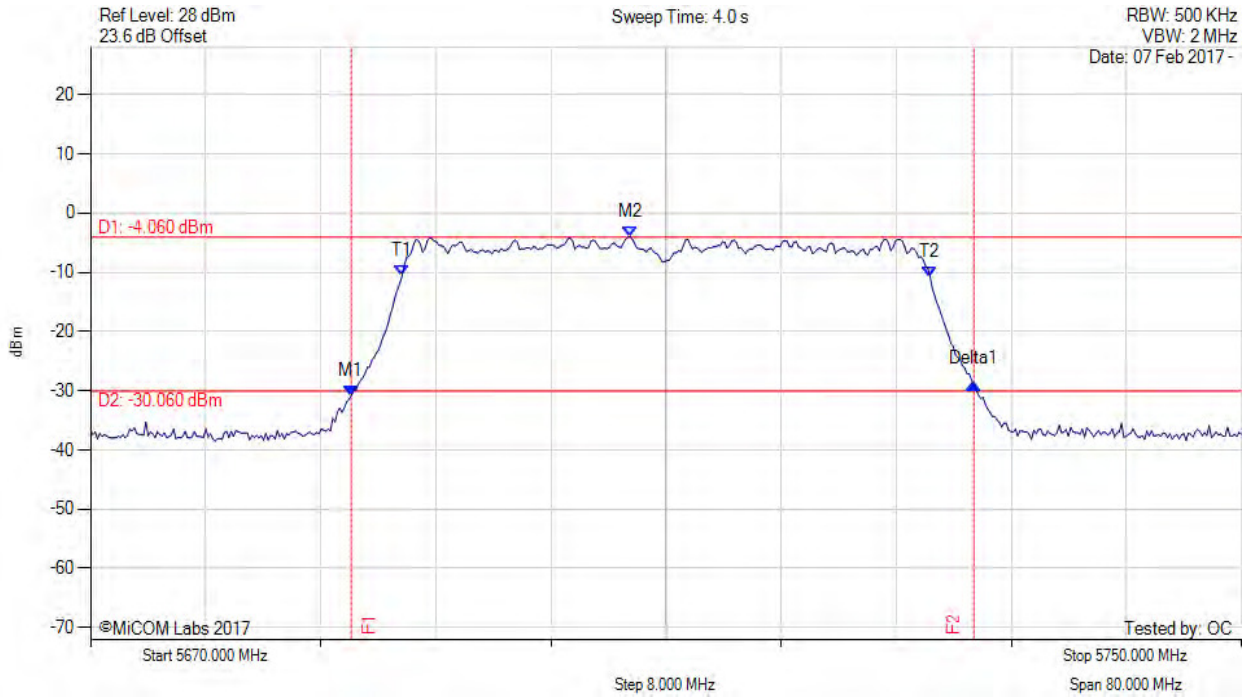
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.277 MHz : -28.093 dBm M2 : 5701.743 MHz : -2.040 dBm Delta1 : 43.126 MHz : 1.074 dB T1 : 5691.643 MHz : -8.652 dBm T2 : 5728.357 MHz : -8.184 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



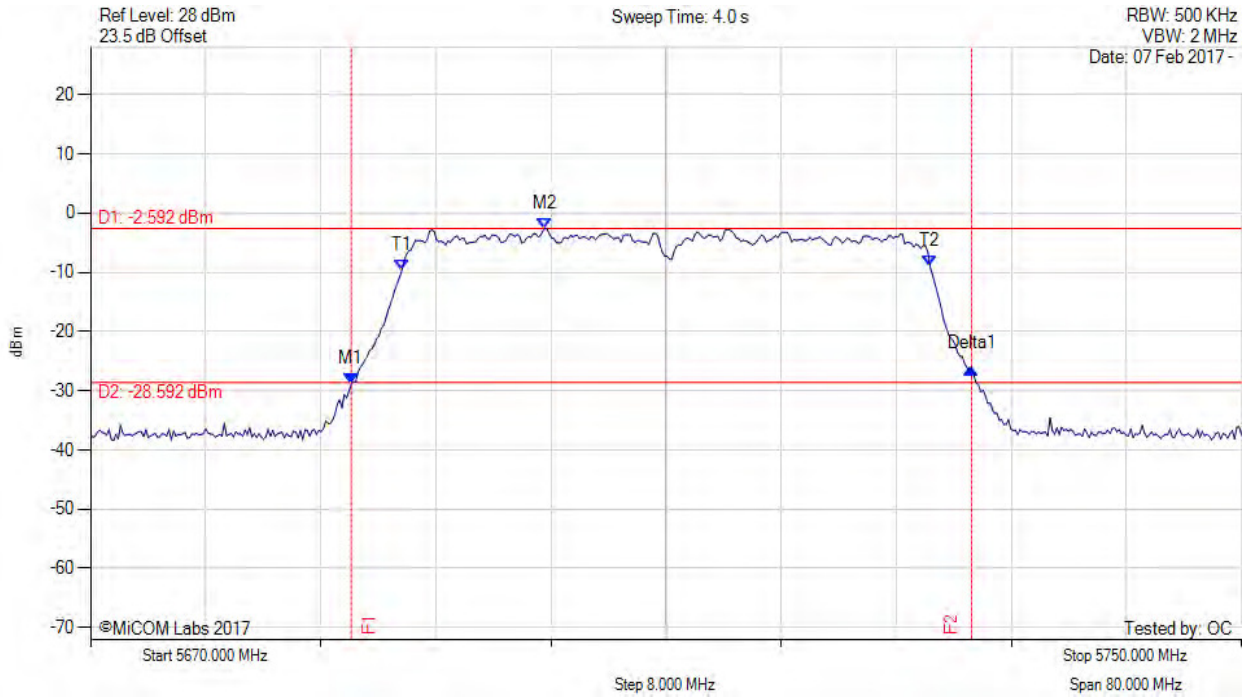
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.116 MHz : -30.863 dBm M2 : 5707.515 MHz : -4.060 dBm Delta1 : 43.287 MHz : 2.048 dB T1 : 5691.643 MHz : -10.688 dBm T2 : 5728.357 MHz : -10.743 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.287 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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



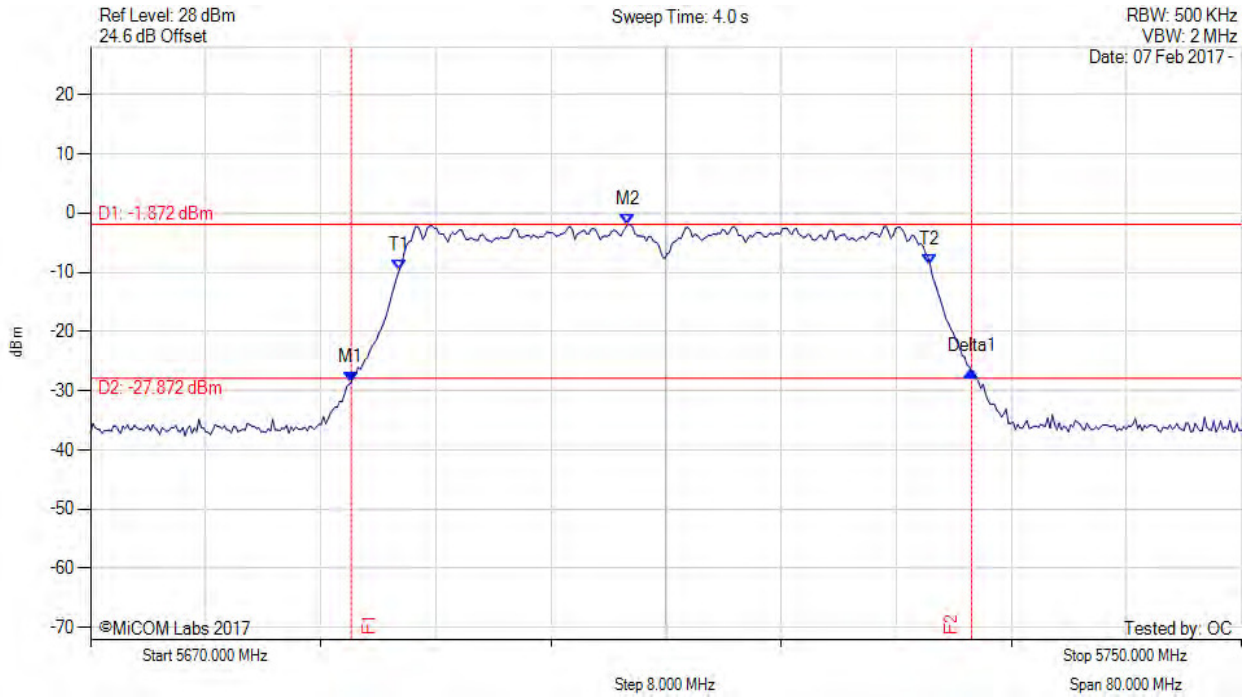
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.116 MHz : -28.894 dBm M2 : 5701.583 MHz : -2.592 dBm Delta1 : 43.126 MHz : 2.585 dB T1 : 5691.643 MHz : -9.575 dBm T2 : 5728.357 MHz : -9.053 dBm OBW : 36.713 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.713 MHz

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26 dB & 99% BANDWIDTH

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

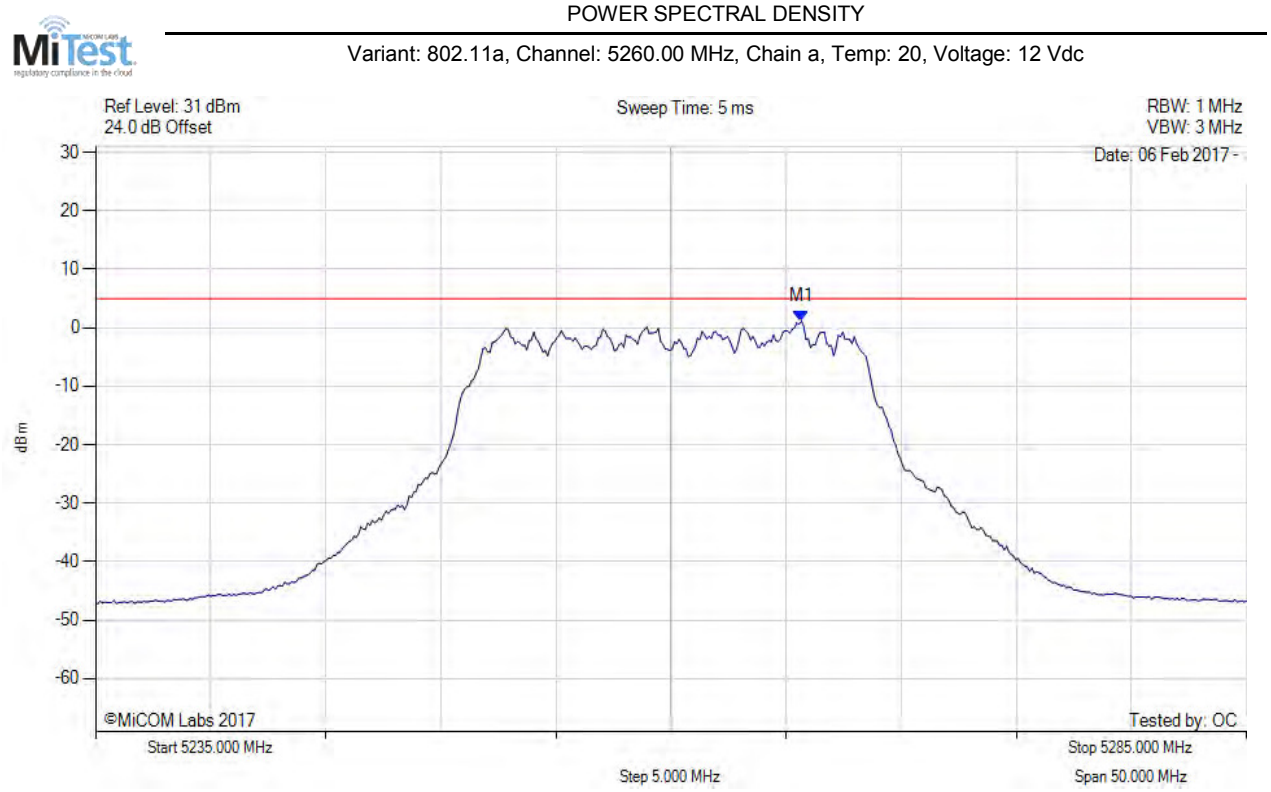


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.116 MHz : -28.636 dBm M2 : 5707.355 MHz : -1.872 dBm Delta1 : 43.126 MHz : 1.849 dB T1 : 5691.483 MHz : -9.580 dBm T2 : 5728.357 MHz : -8.628 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 43.126 MHz Measured 99% Bandwidth: 36.874 MHz

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A.2. Power Spectral Density



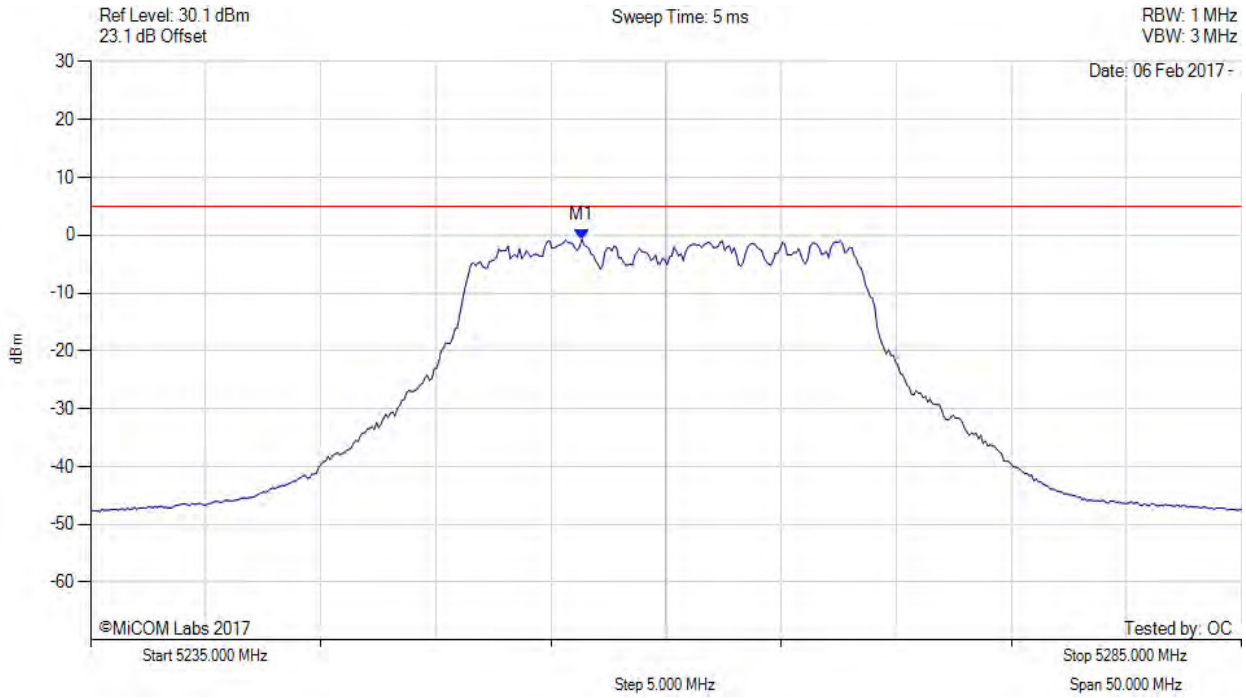
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.661 MHz : 1.126 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



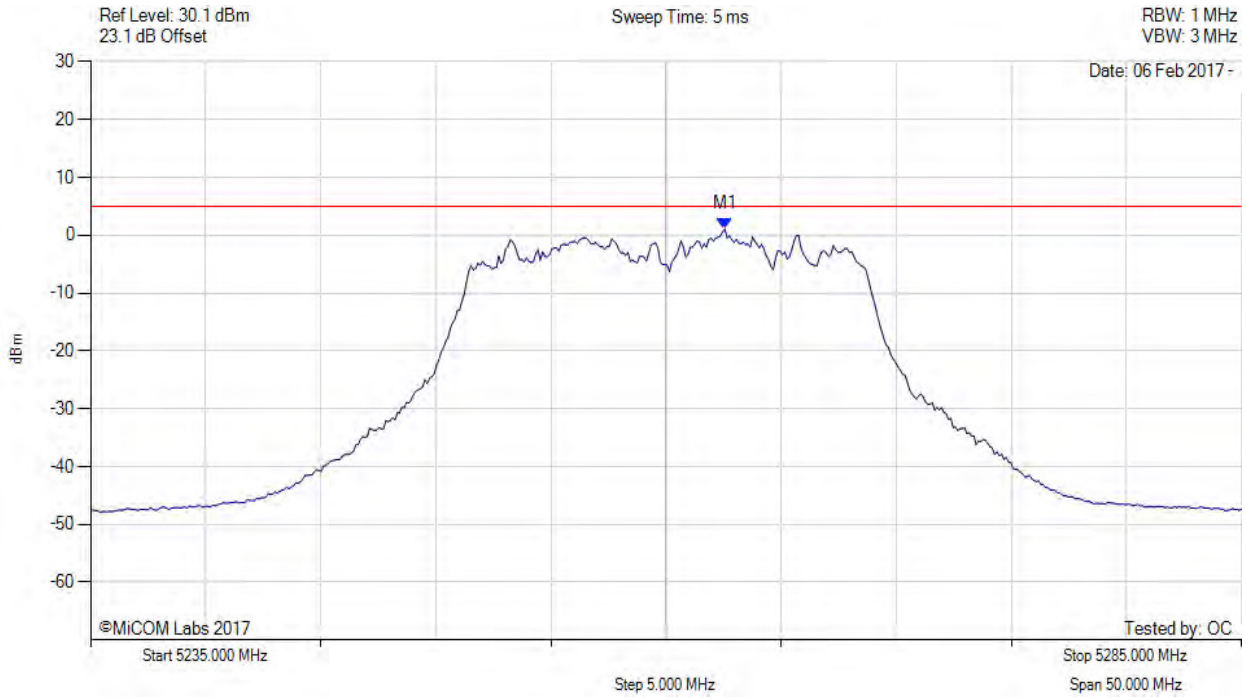
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.343 MHz : -0.709 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



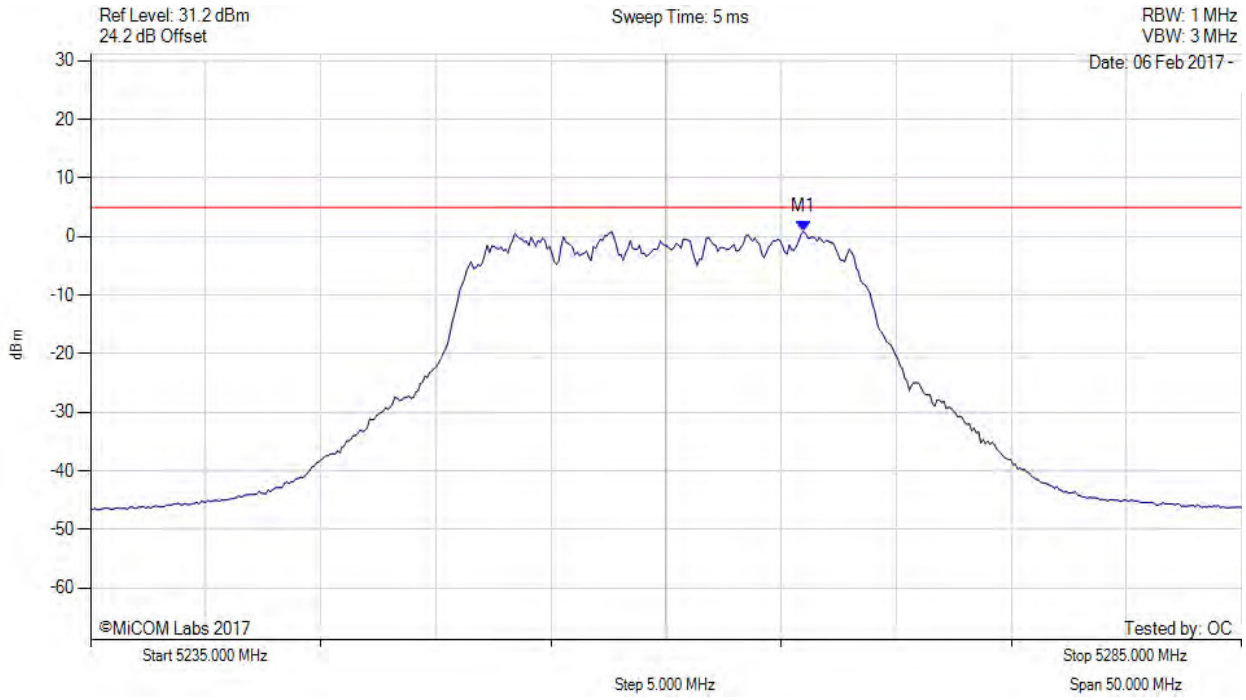
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5262.555 MHz : 1.064 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



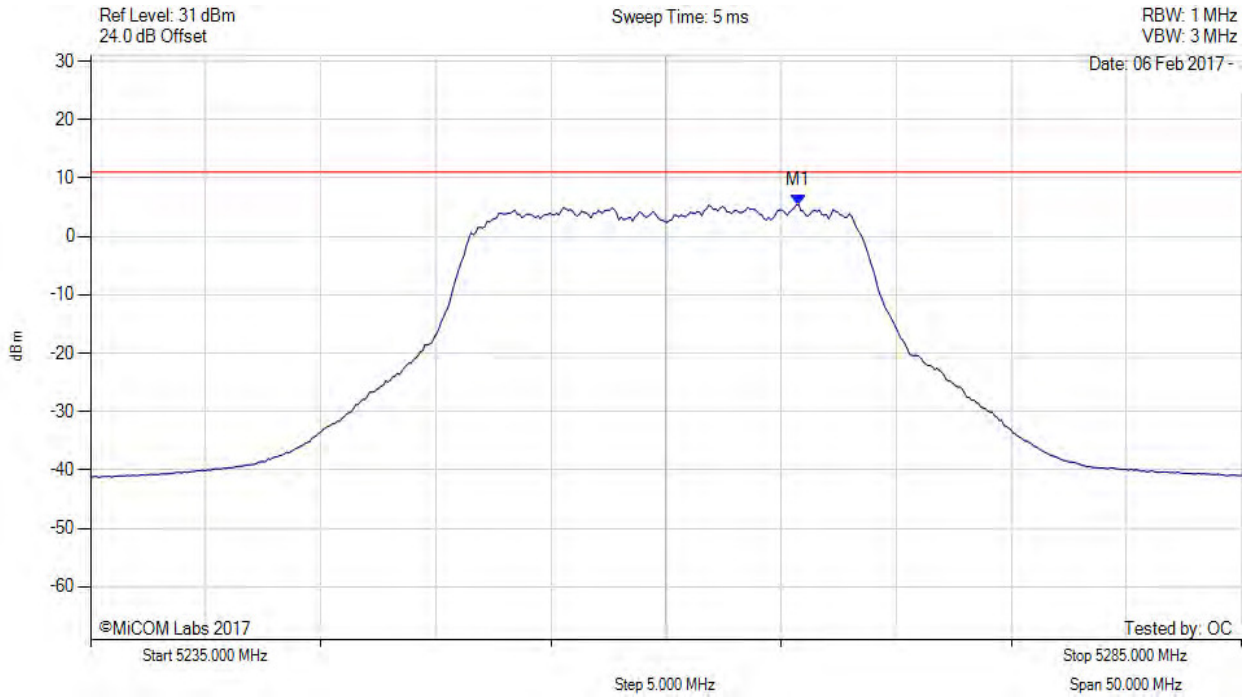
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.962 MHz : 0.912 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



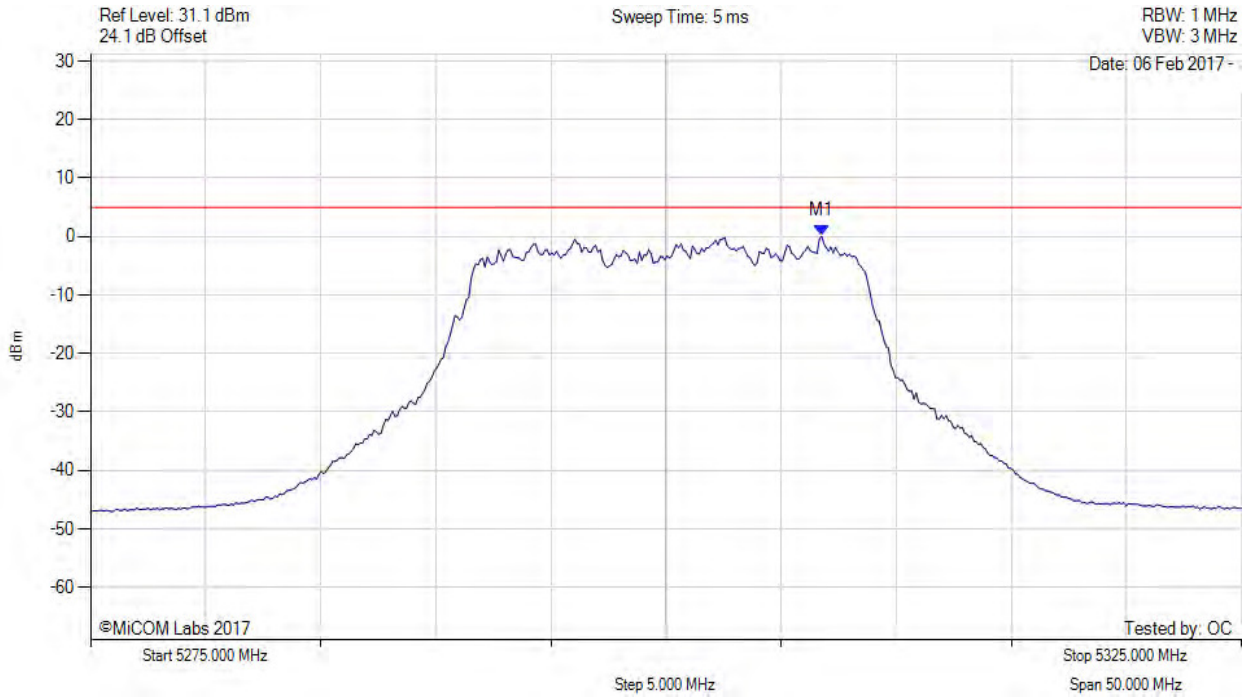
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.800 MHz : 5.418 dBm M1 + DCCF : 5265.800 MHz : 5.780 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 11.0 dBm Margin: -5.2 dB

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POWER SPECTRAL DENSITY

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



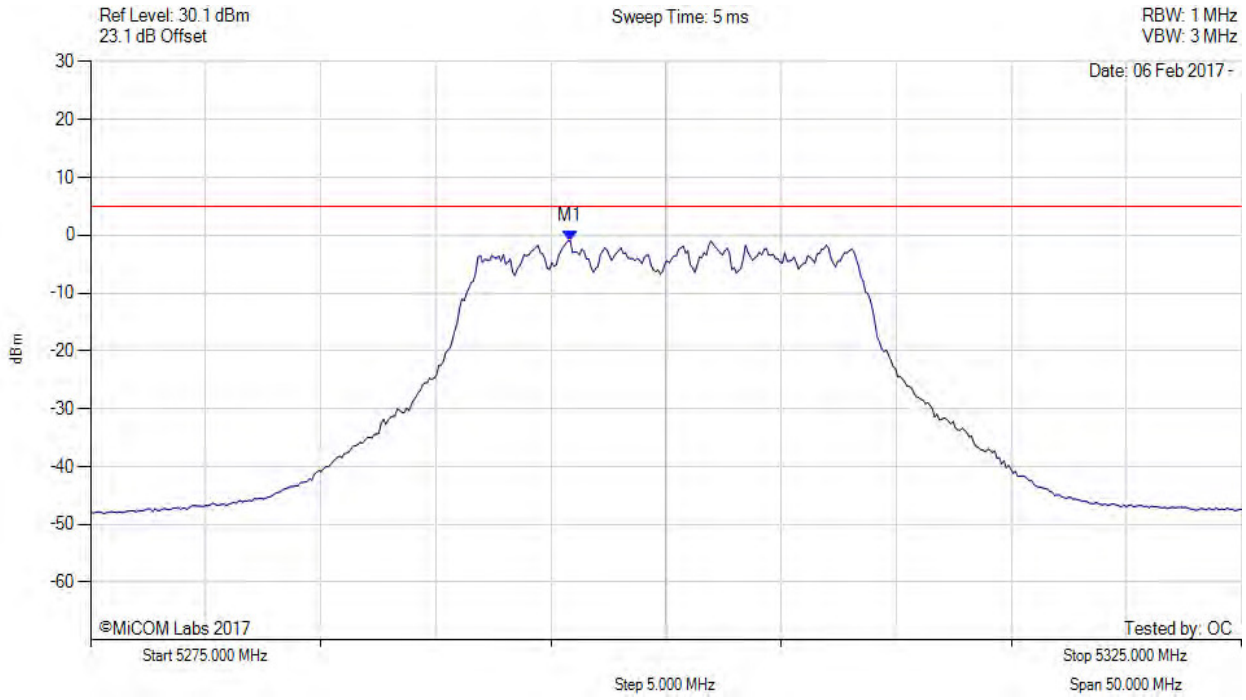
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.764 MHz : 0.057 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



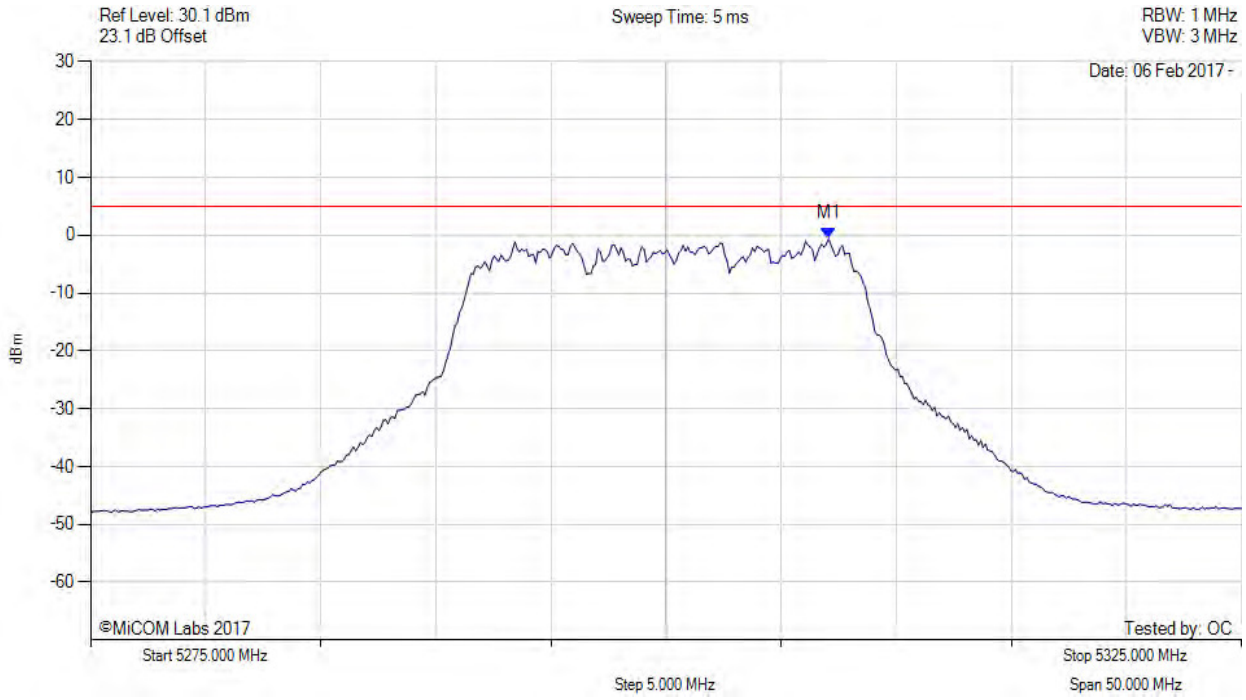
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5295.842 MHz : -0.985 dBm	Channel Frequency: 5300.00 MHz

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POWER SPECTRAL DENSITY

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



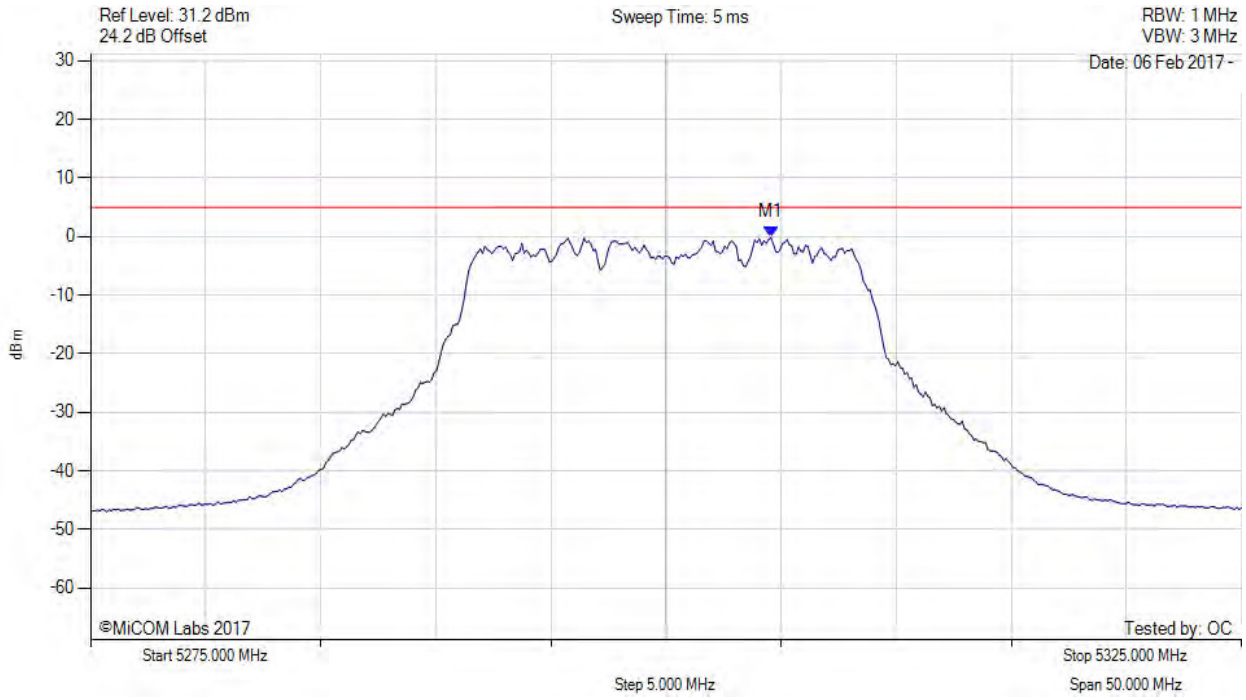
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.064 MHz : -0.602 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



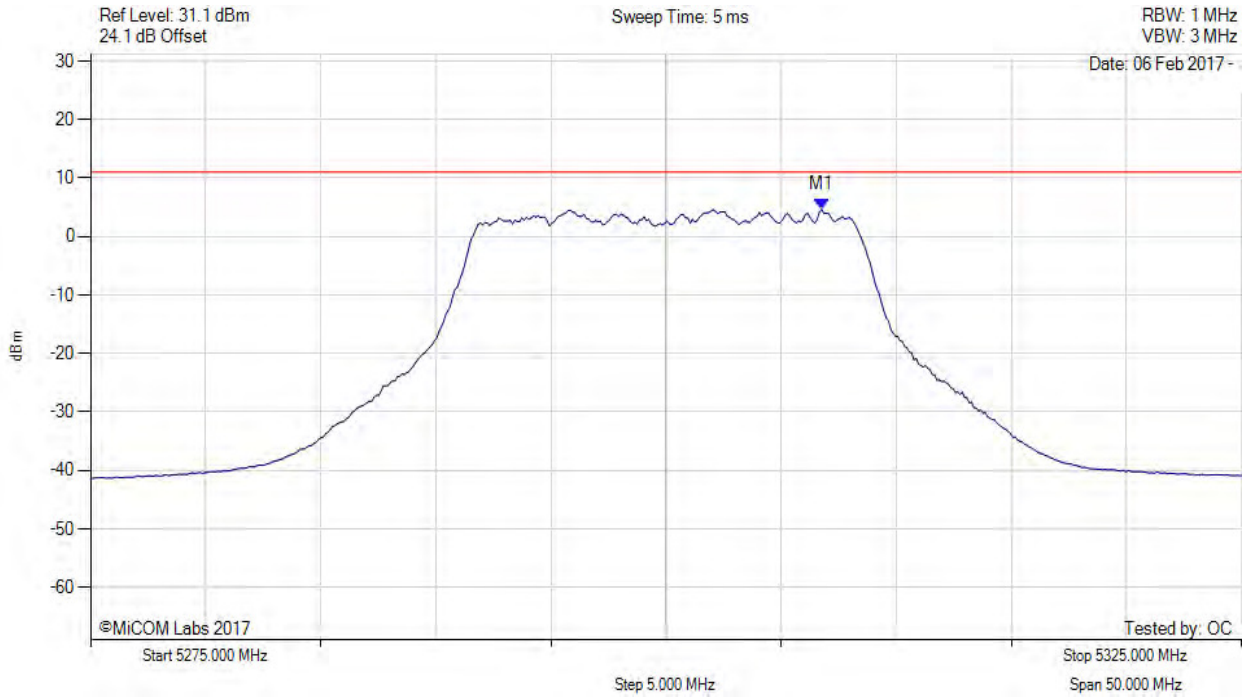
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5304.559 MHz : -0.153 dBm	Limit: ≤ 4.980 dBm

back to matrix

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POWER SPECTRAL DENSITY

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



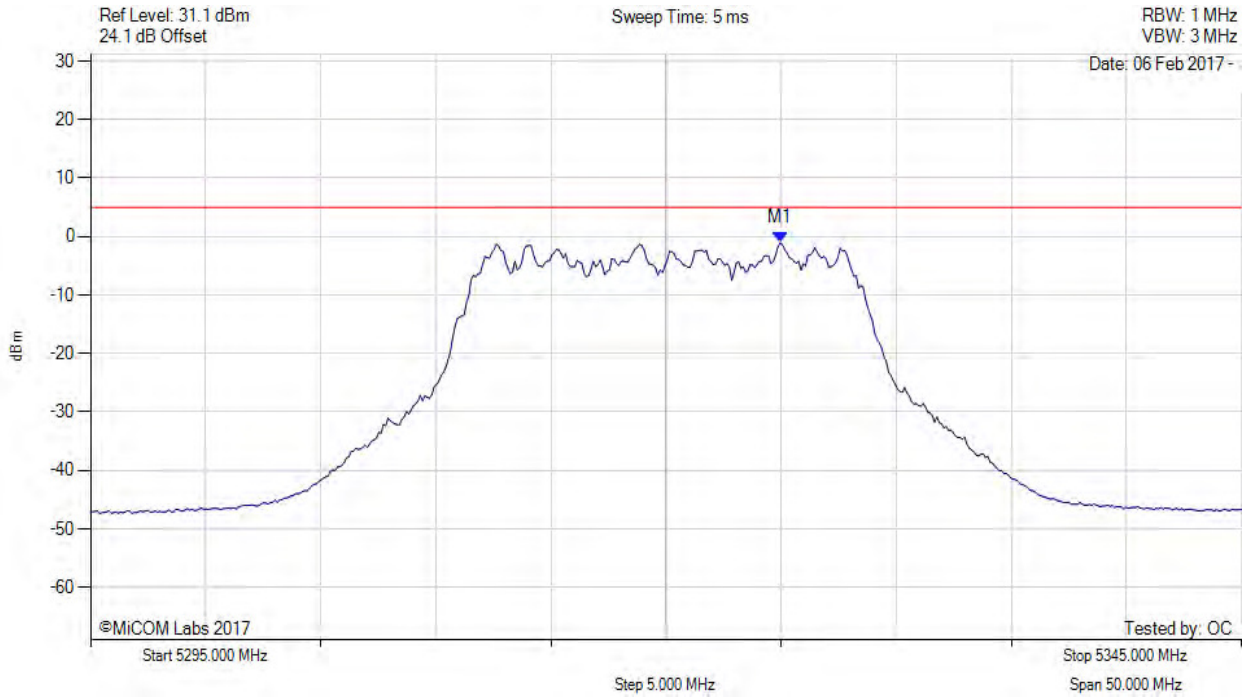
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.800 MHz : 4.655 dBm M1 + DCCF : 5306.800 MHz : 5.017 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 11.0 dBm Margin: -6.0 dB

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

POWER SPECTRAL DENSITY

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



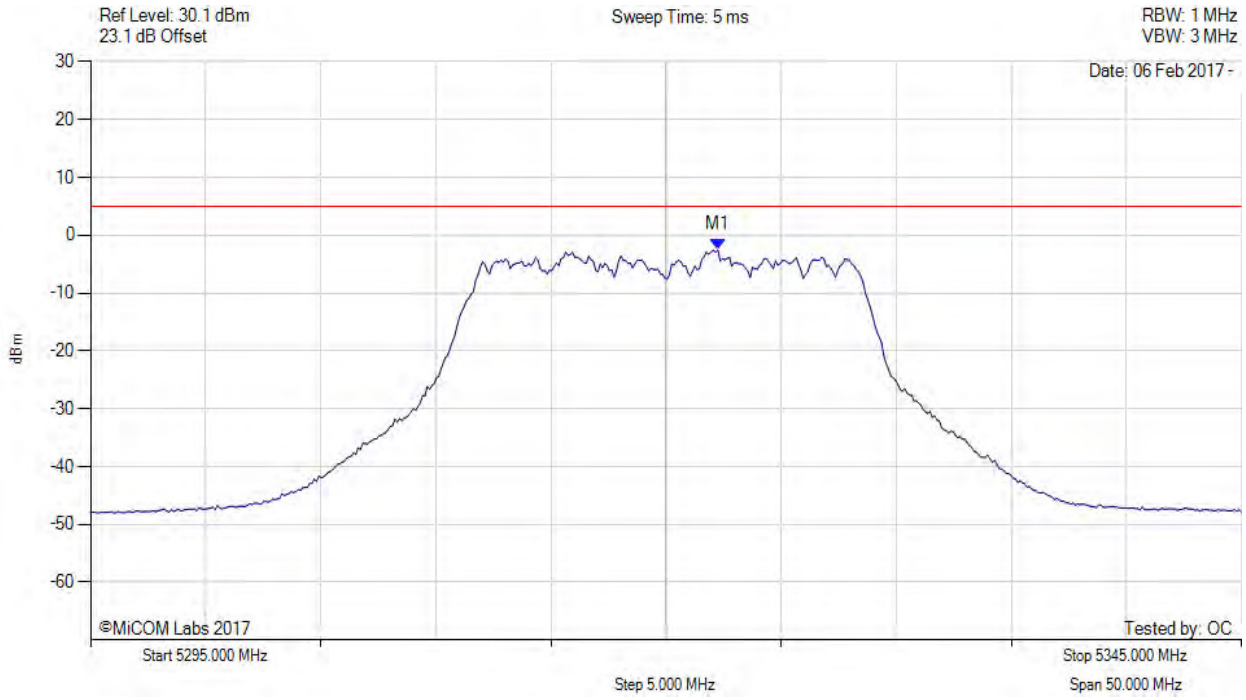
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5324.960 MHz : -1.094 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



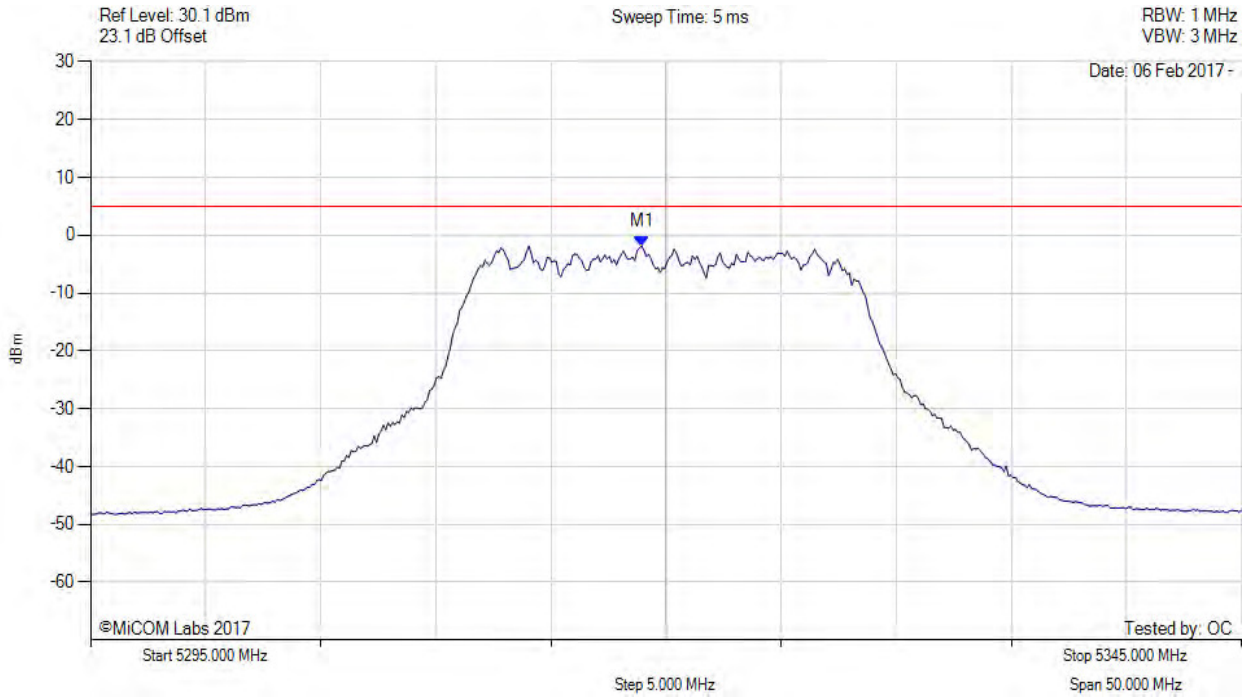
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5322.255 MHz : -2.549 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



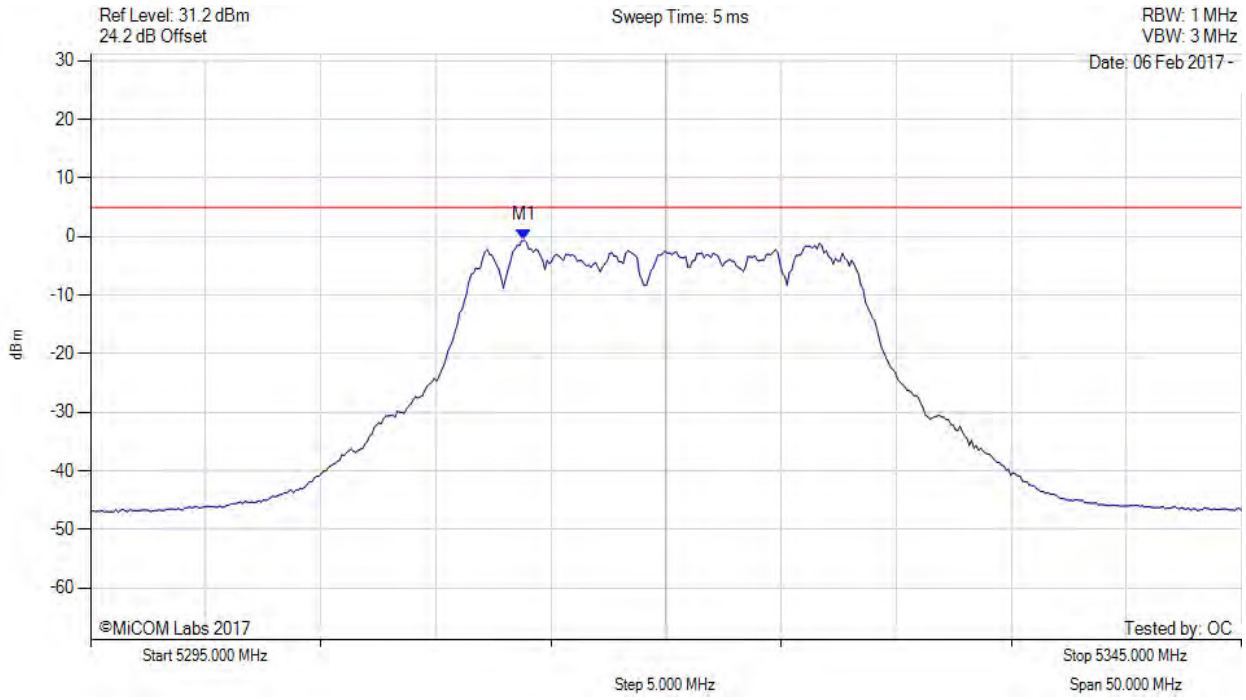
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5318.948 MHz : -1.891 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



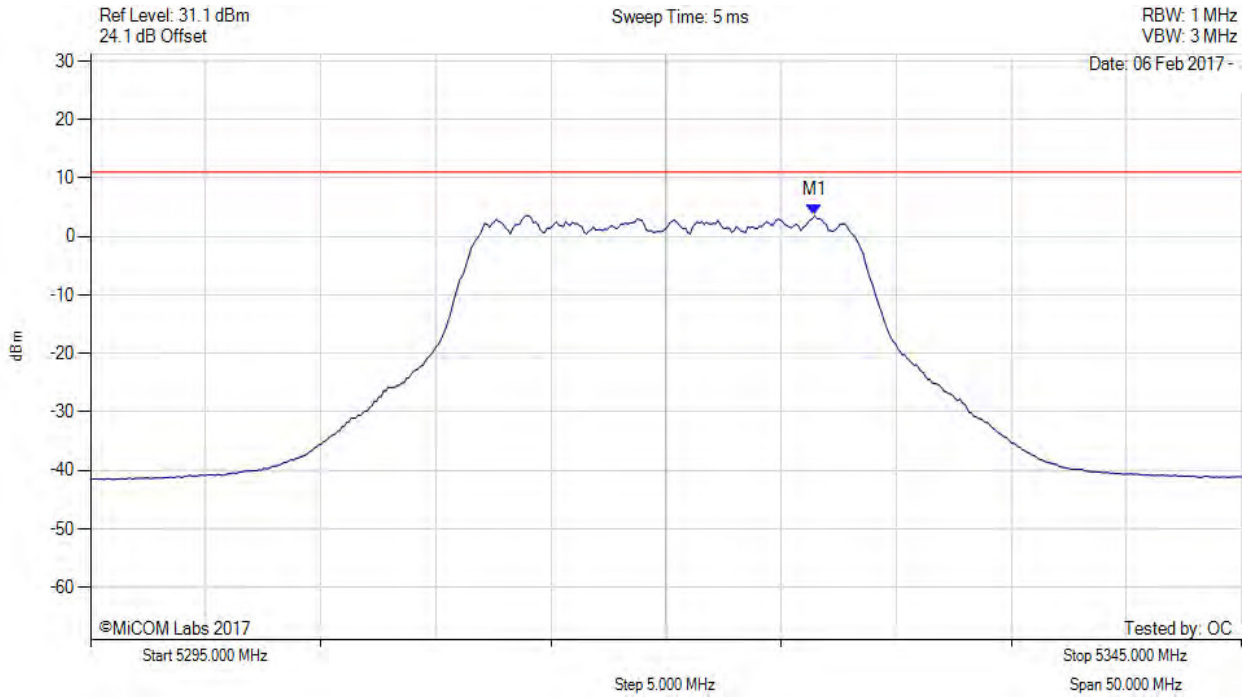
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.838 MHz : -0.608 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



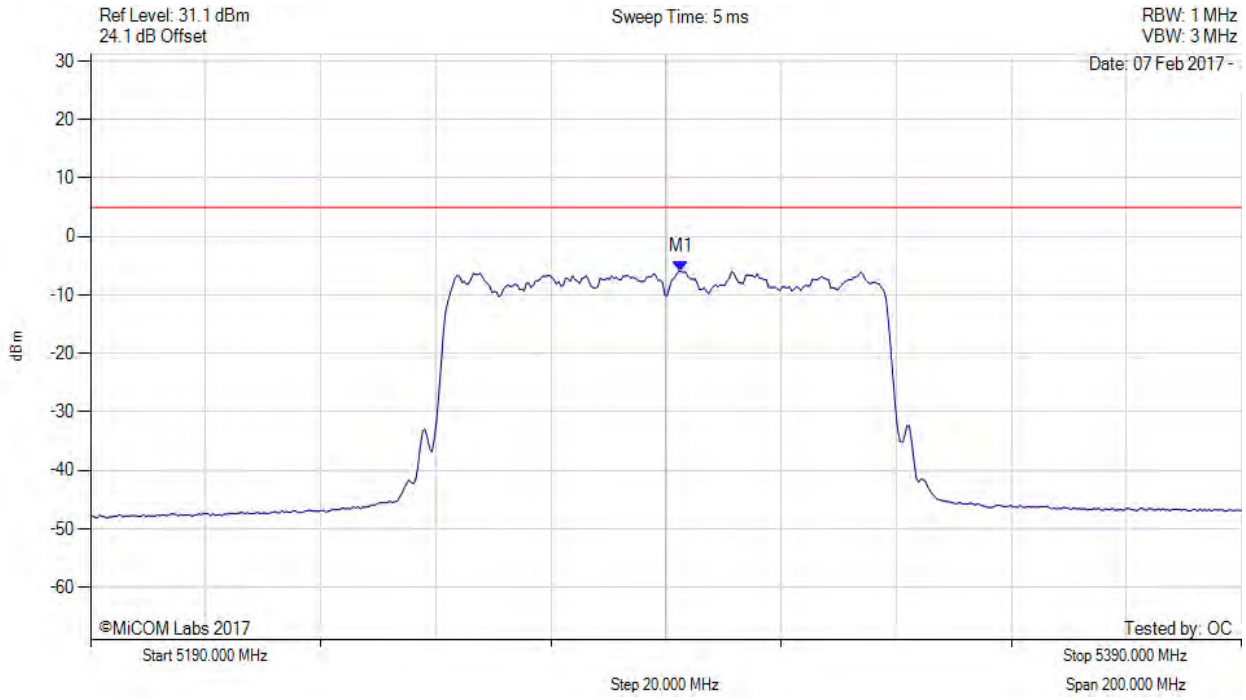
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5326.500 MHz : 3.602 dBm M1 + DCCF : 5326.500 MHz : 3.964 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 11.0 dBm Margin: -7.1 dB

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POWER SPECTRAL DENSITY

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



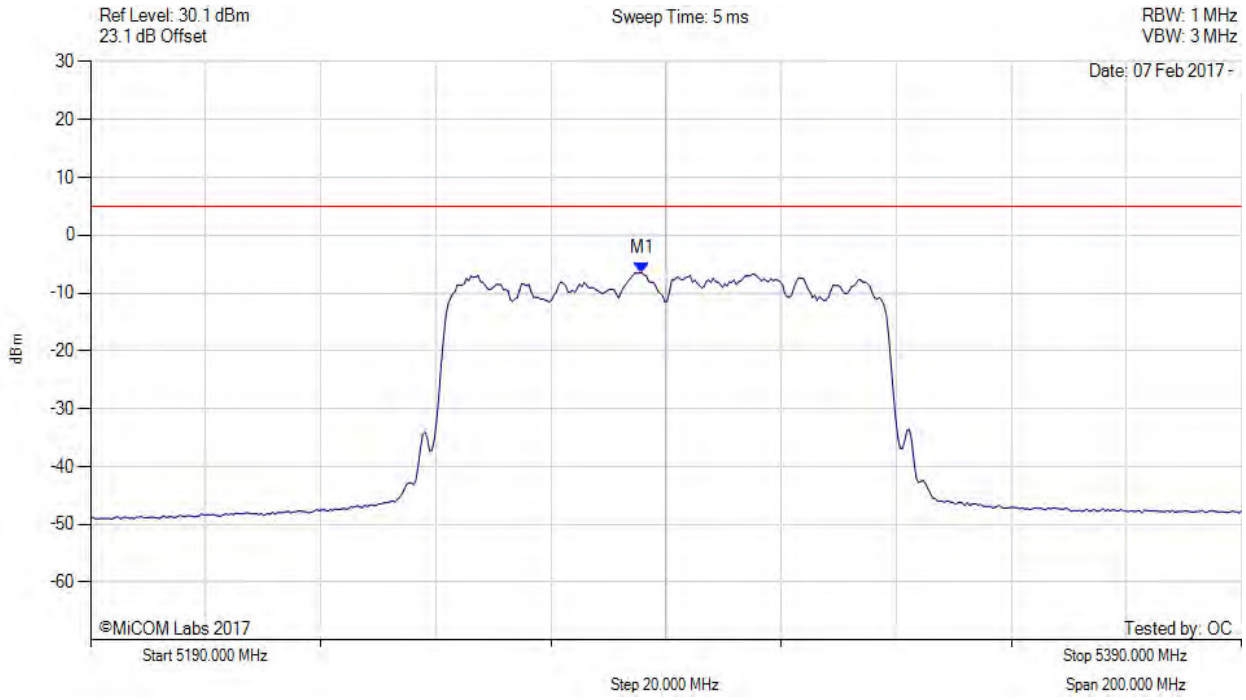
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5292.605 MHz : -5.910 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



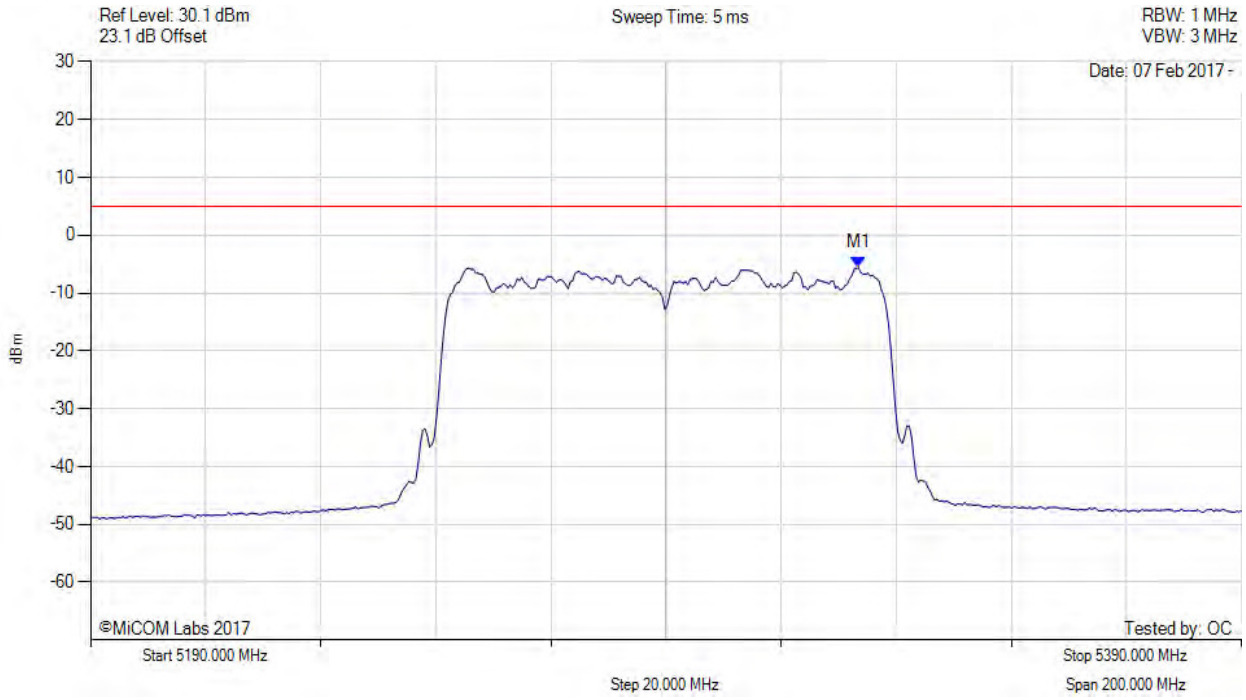
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5285.792 MHz : -6.469 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



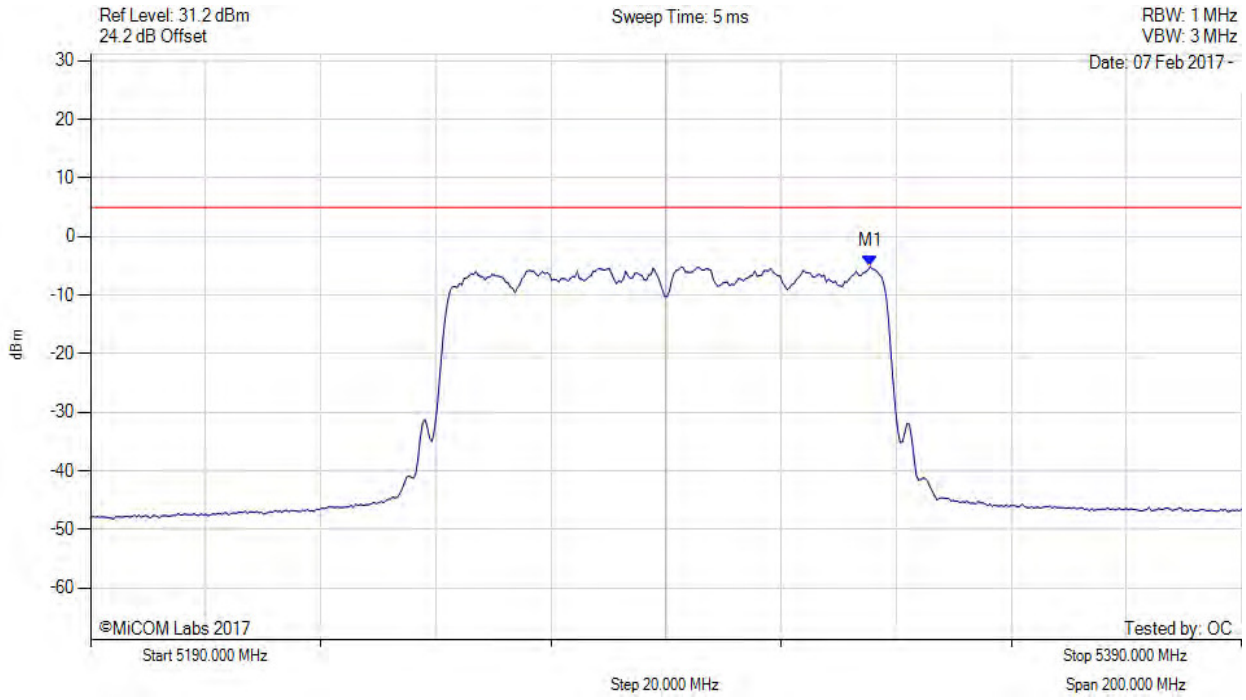
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5323.467 MHz : -5.597 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



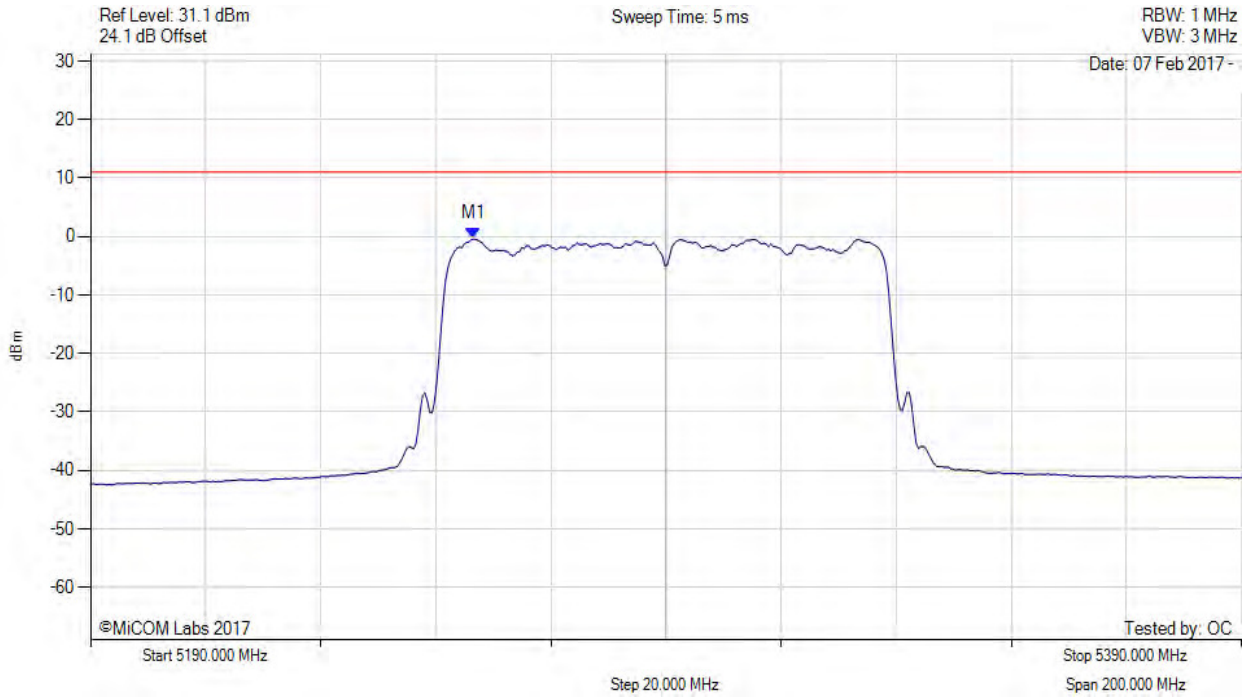
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.471 MHz : -5.075 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



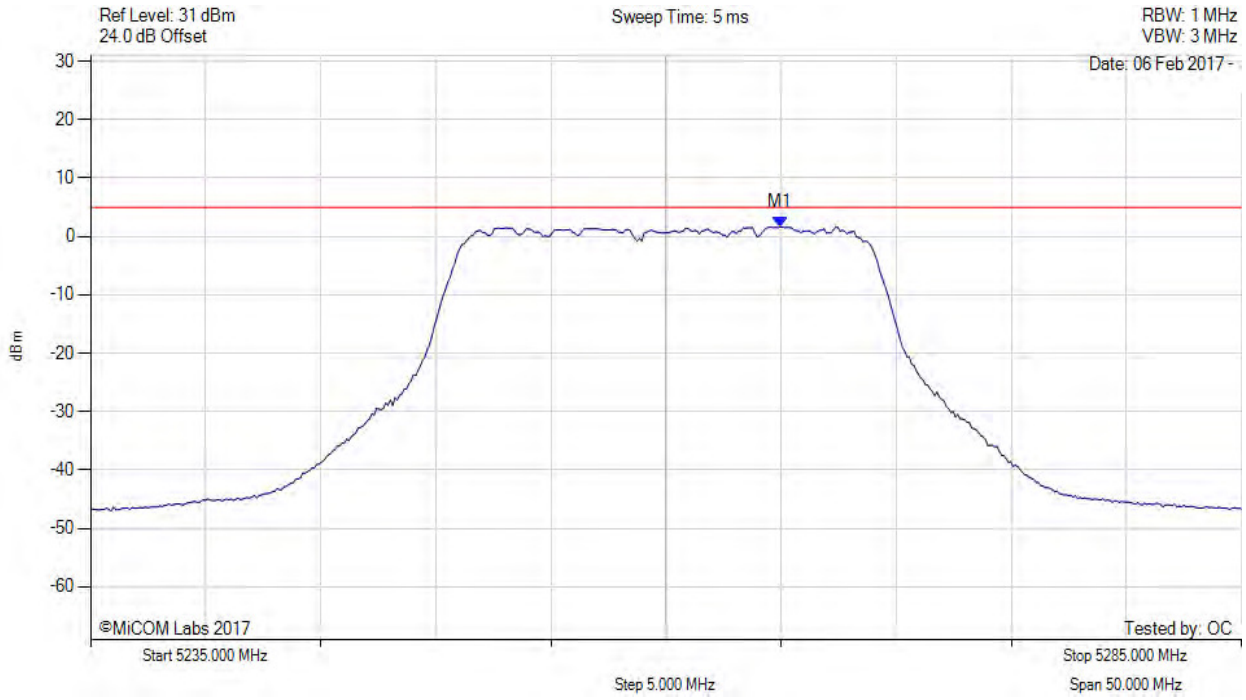
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.500 MHz : -0.422 dBm M1 + DCCF : 5256.500 MHz : -0.153 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -11.2 dB

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POWER SPECTRAL DENSITY

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



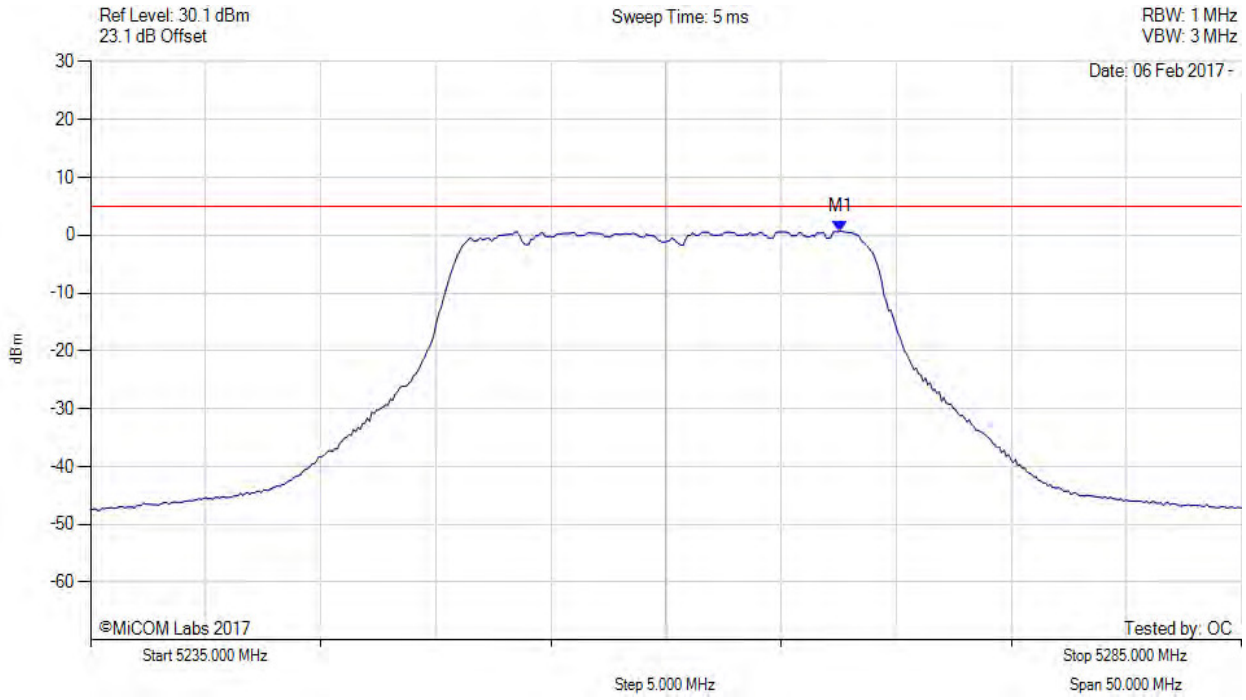
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5264.960 MHz : 1.625 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



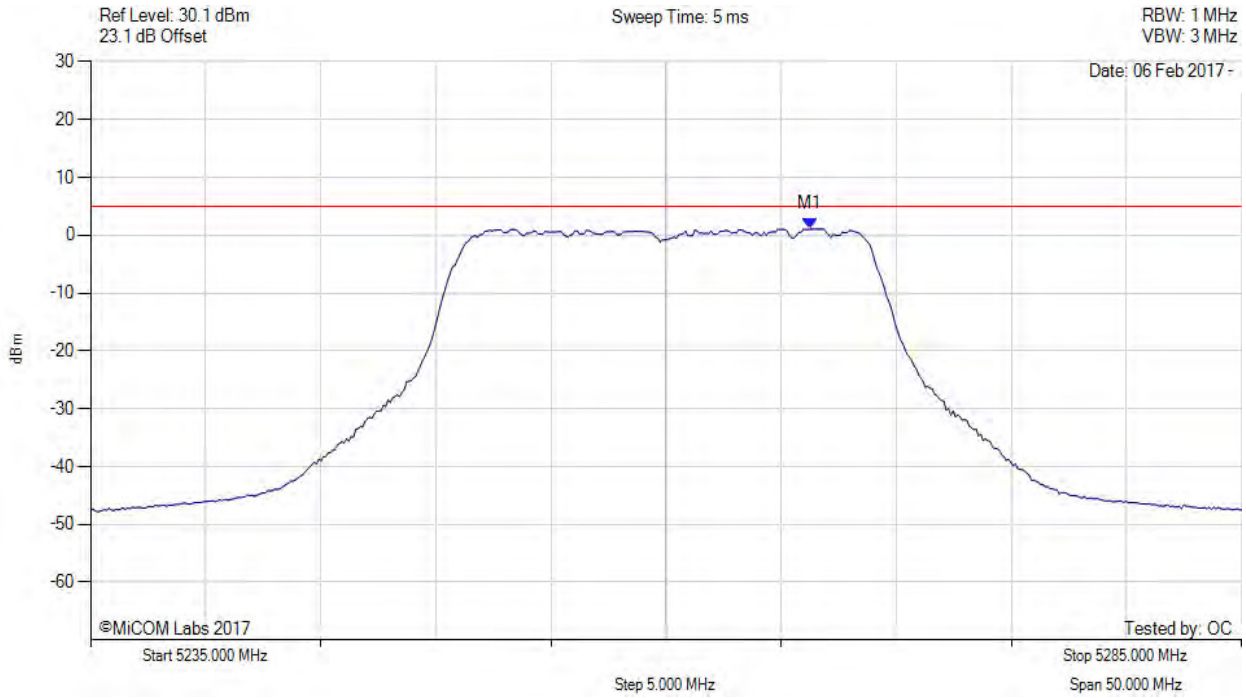
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5267.565 MHz : 0.700 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



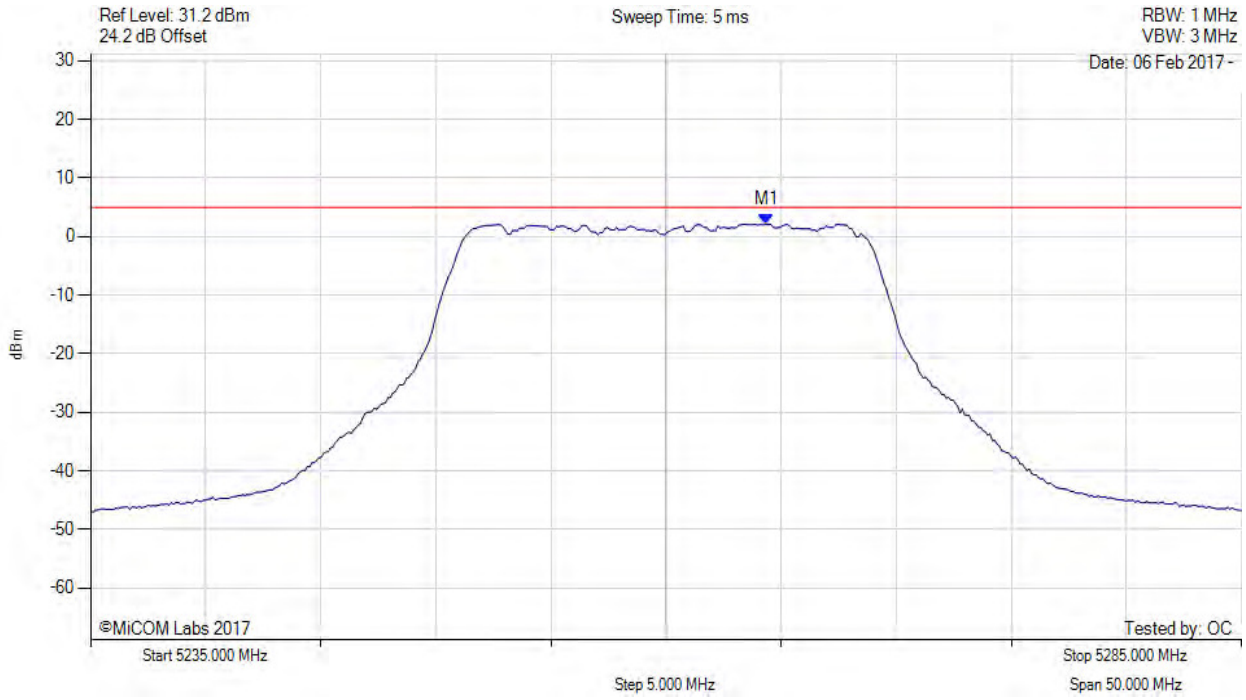
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5266.263 MHz : 1.080 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



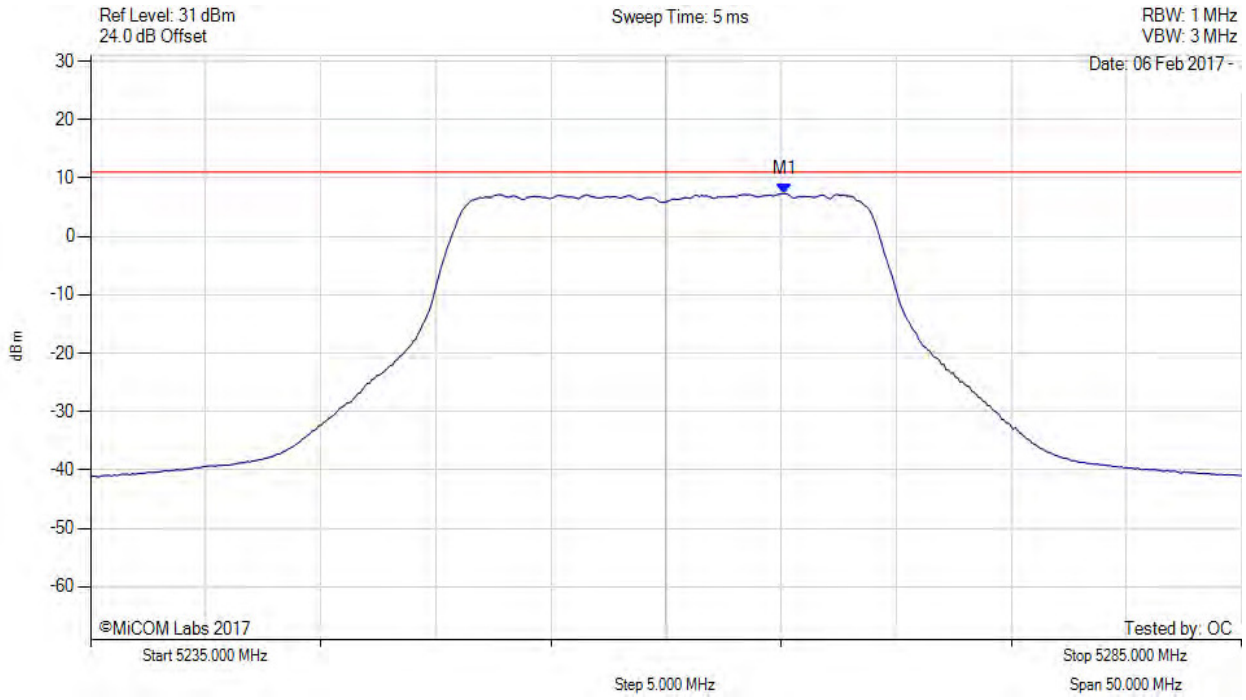
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5264.359 MHz : 2.130 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



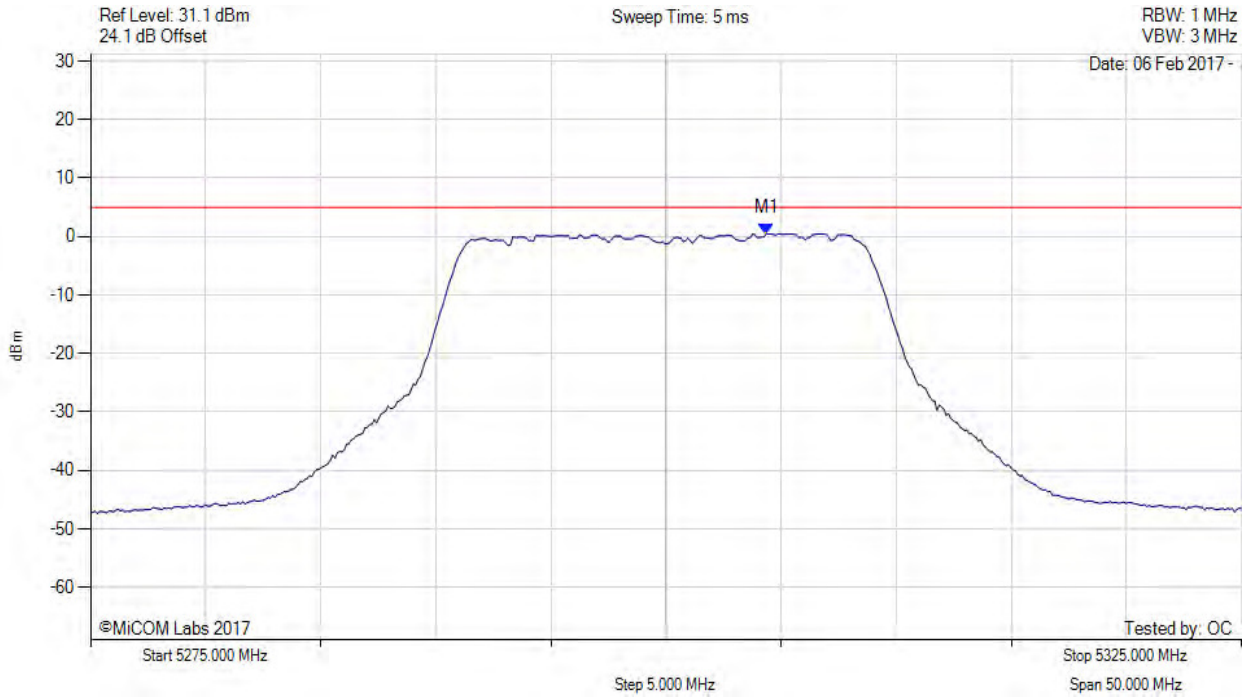
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.200 MHz : 7.310 dBm M1 + DCCF : 5265.200 MHz : 7.354 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 11.0 dBm Margin: -3.7 dB

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

POWER SPECTRAL DENSITY

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



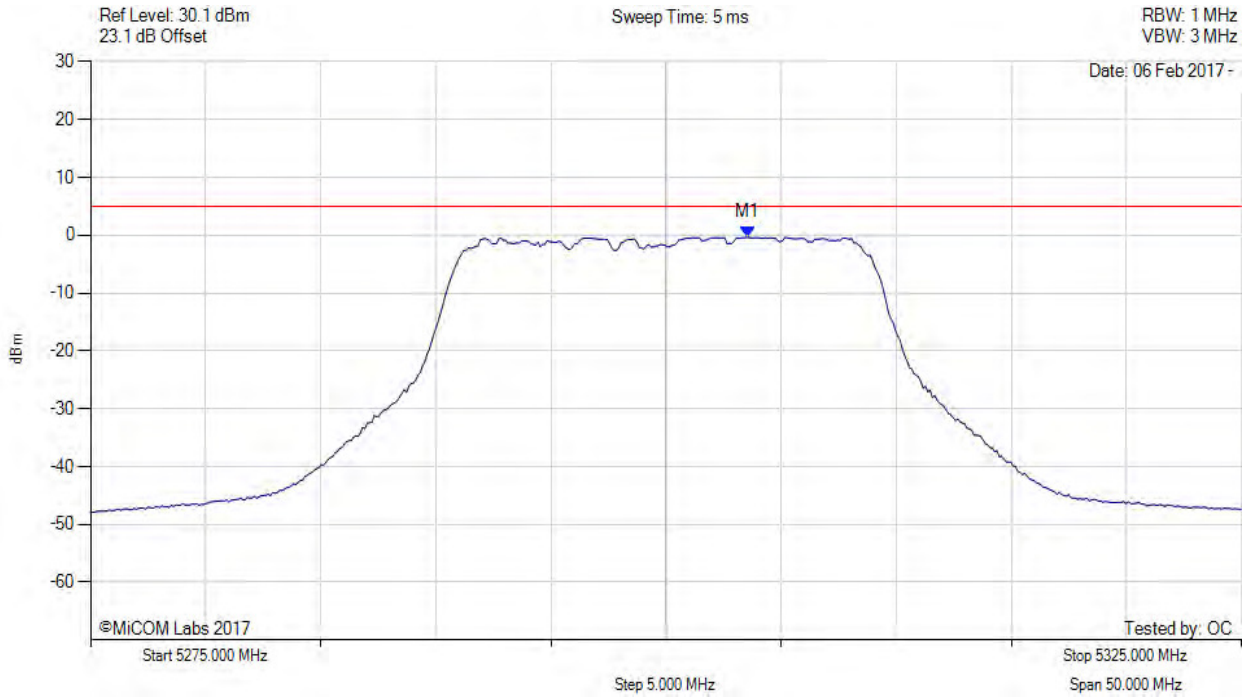
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5304.359 MHz : 0.500 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



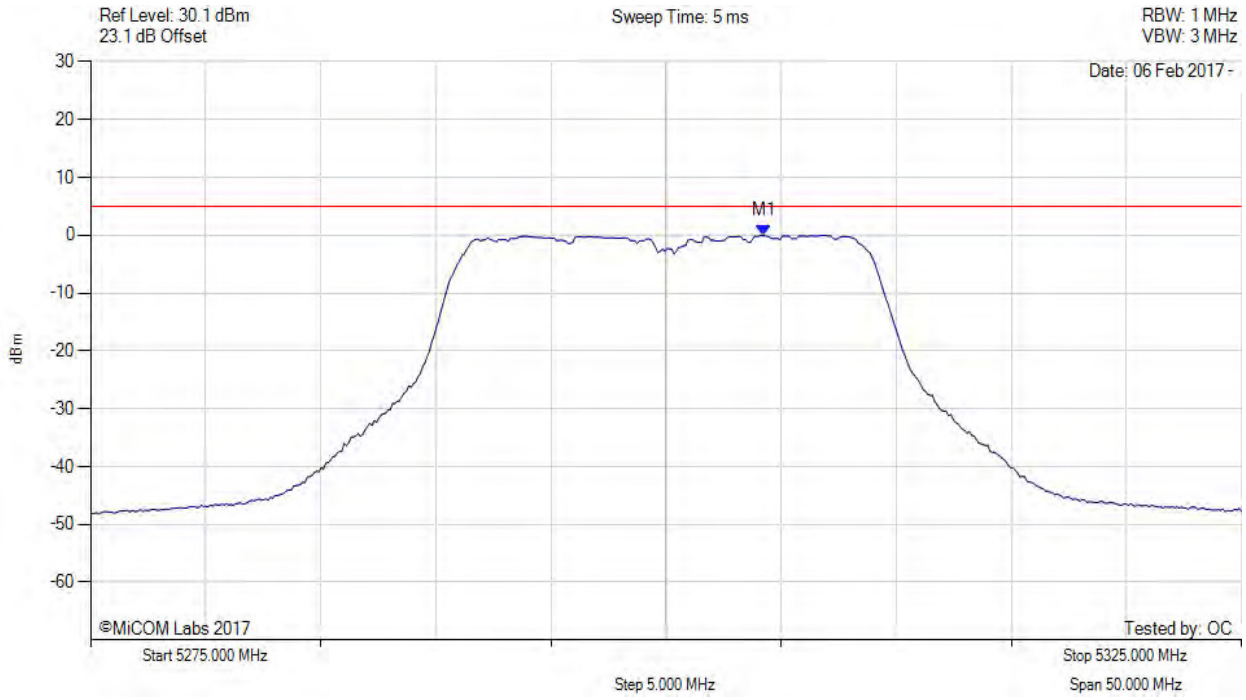
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5303.557 MHz : -0.355 dBm	Channel Frequency: 5300.00 MHz

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POWER SPECTRAL DENSITY

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



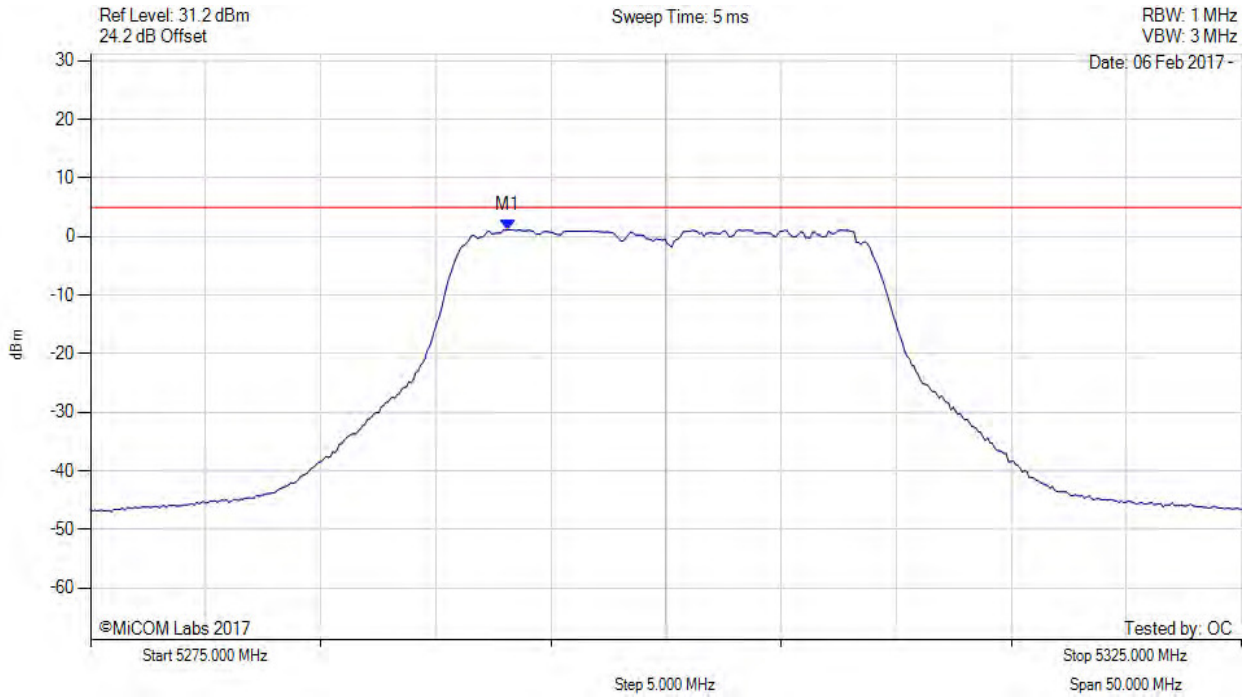
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5304.259 MHz : -0.033 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



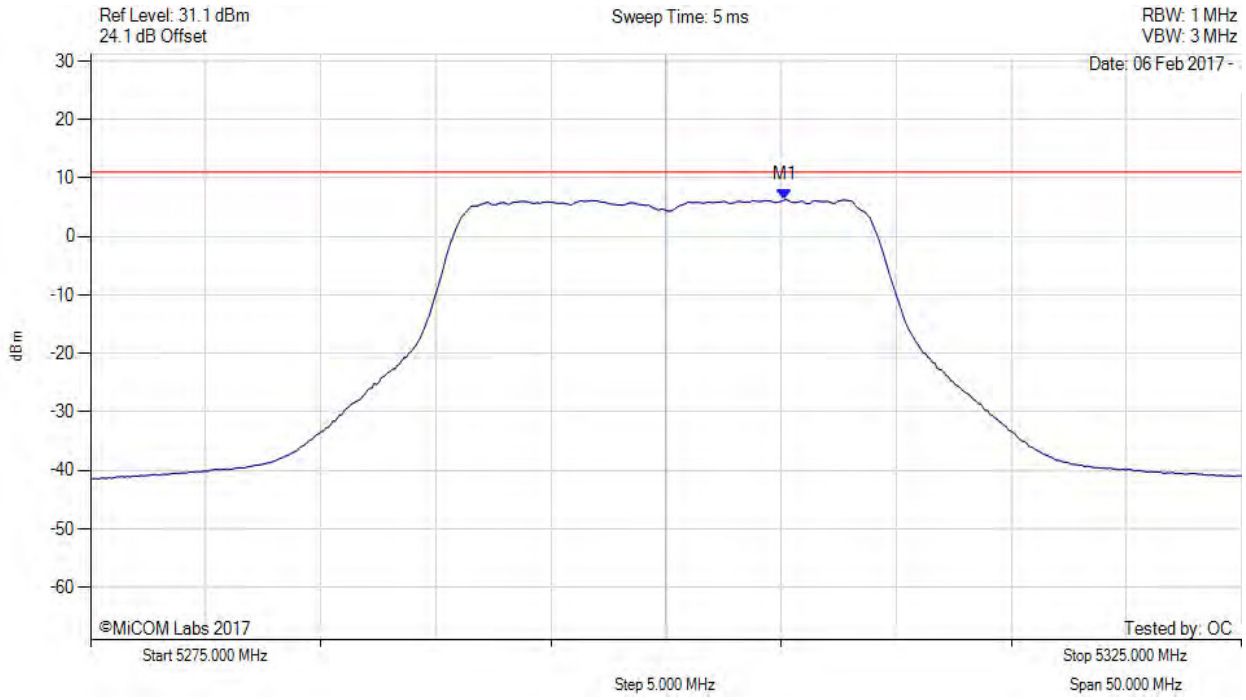
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5293.136 MHz : 1.187 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



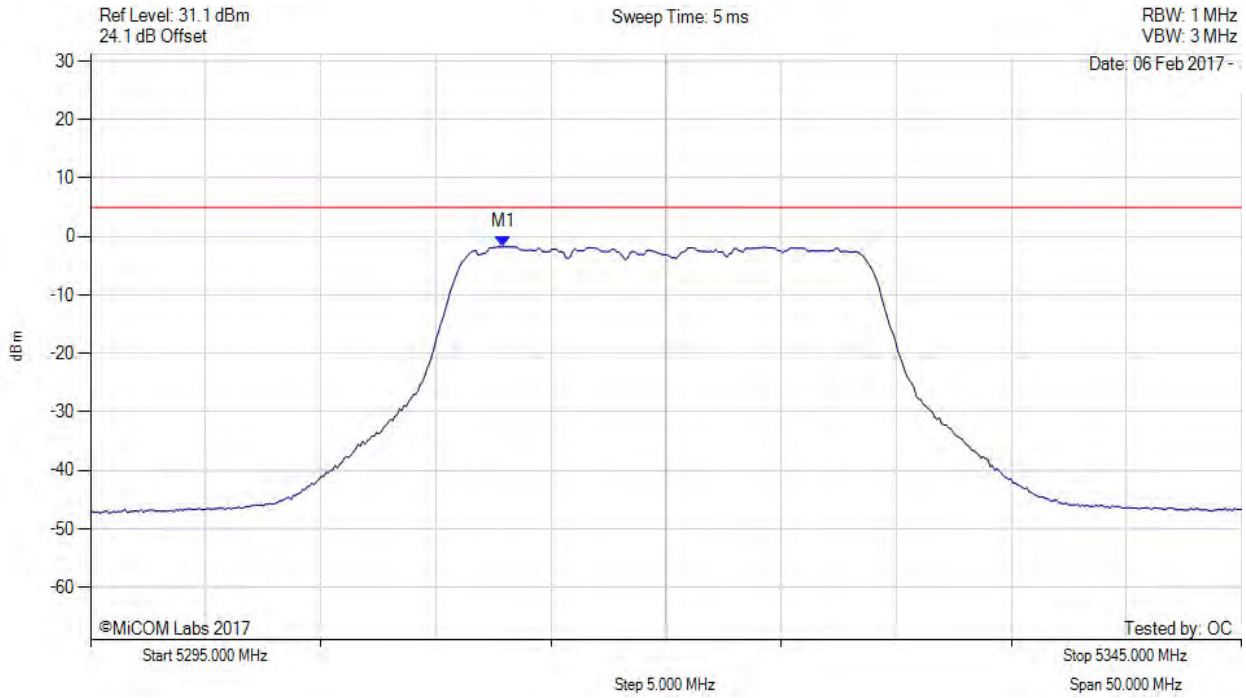
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.200 MHz : 6.289 dBm M1 + DCCF : 5305.200 MHz : 6.333 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 11.0 dBm Margin: -4.7 dB

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POWER SPECTRAL DENSITY

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



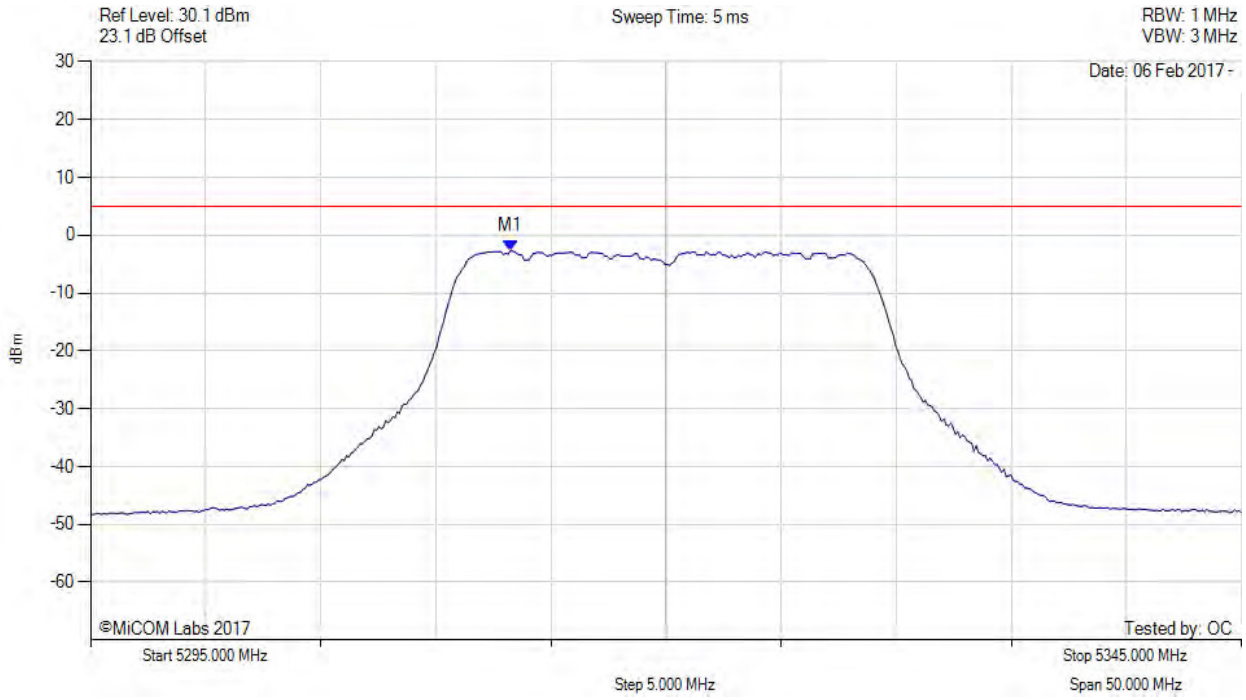
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5312.936 MHz : -1.736 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



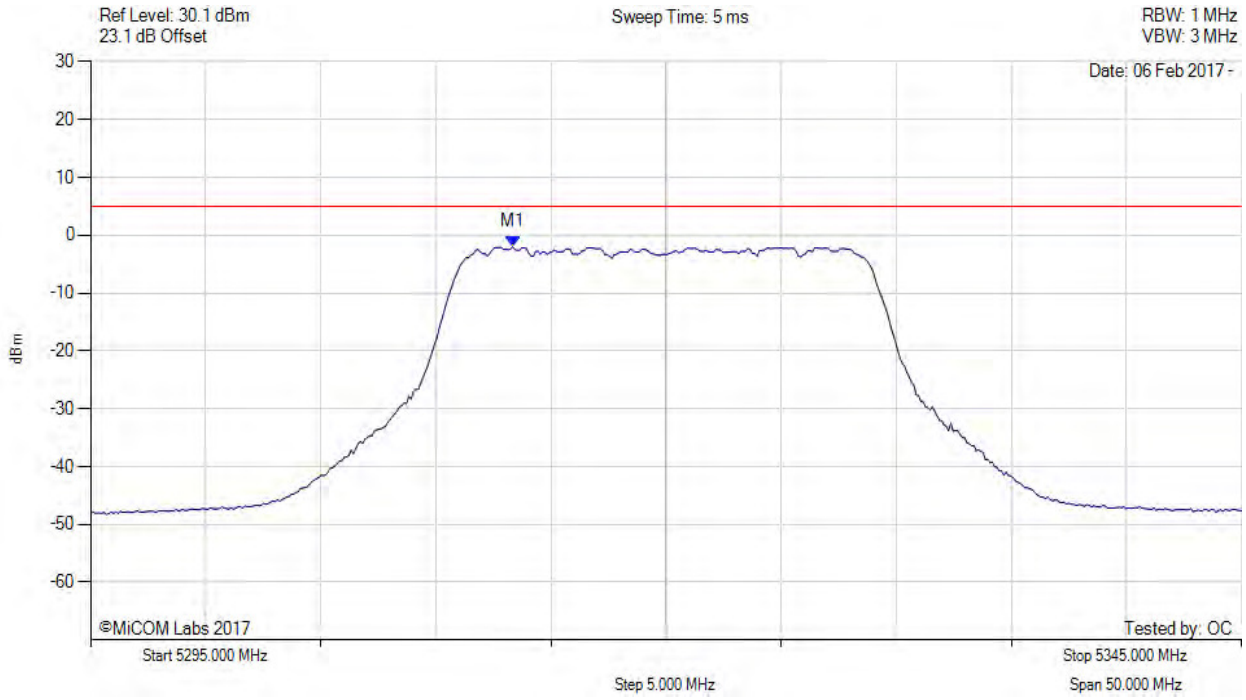
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.236 MHz : -2.739 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



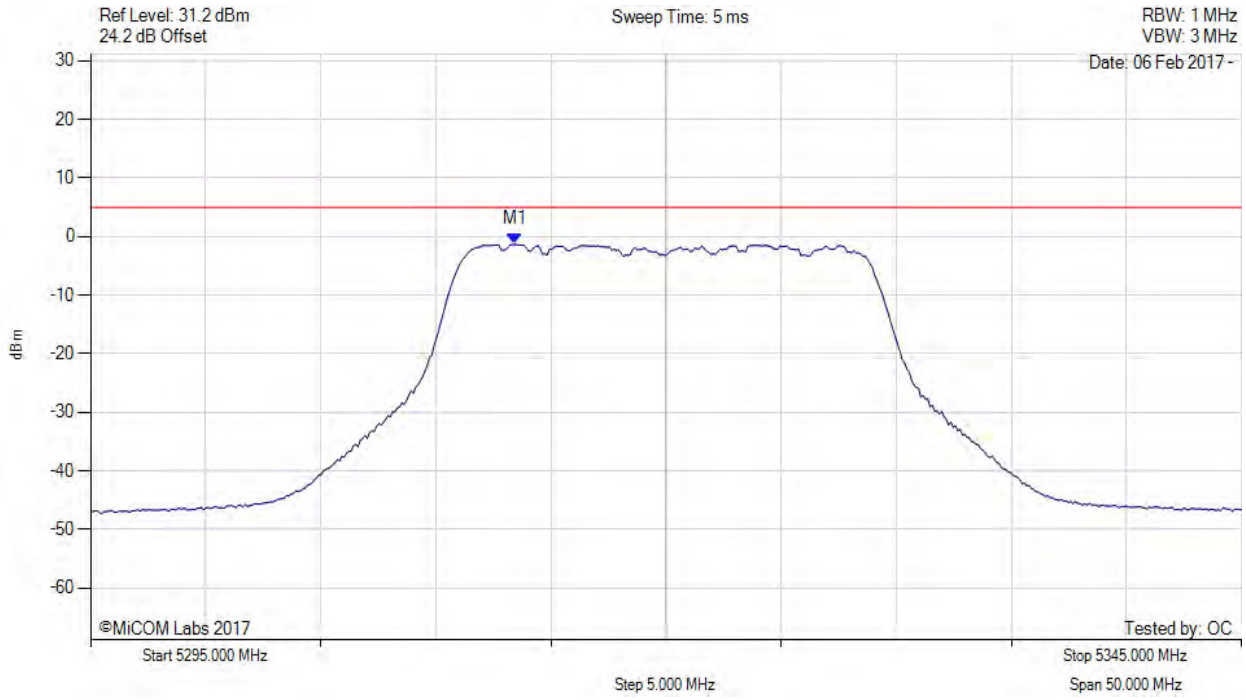
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.337 MHz : -1.999 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



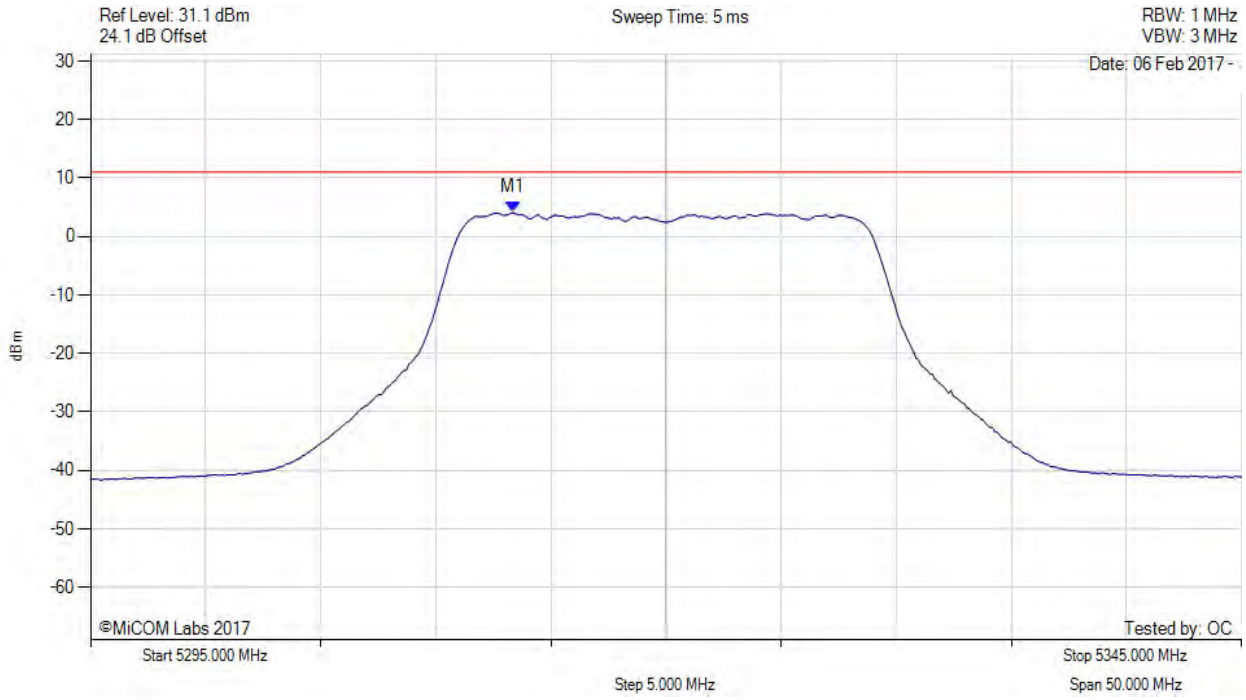
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.437 MHz : -1.305 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



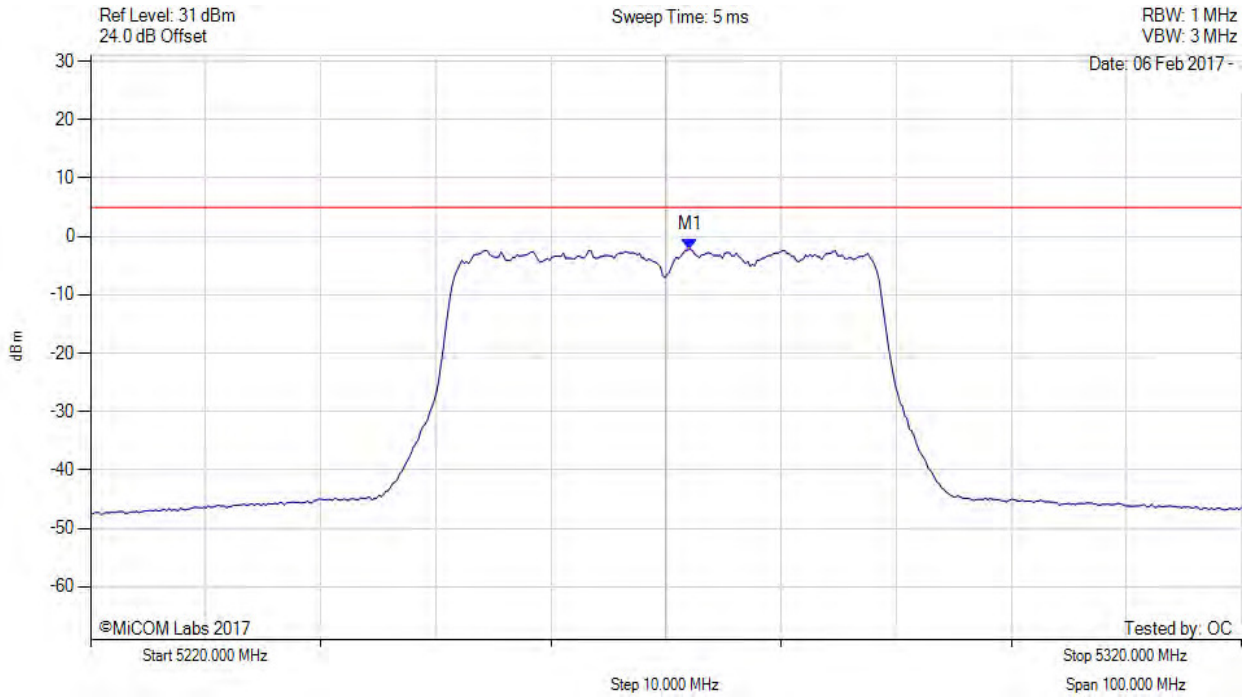
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.300 MHz : 4.092 dBm M1 + DCCF : 5313.300 MHz : 4.136 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 11.0 dBm Margin: -6.9 dB

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POWER SPECTRAL DENSITY

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



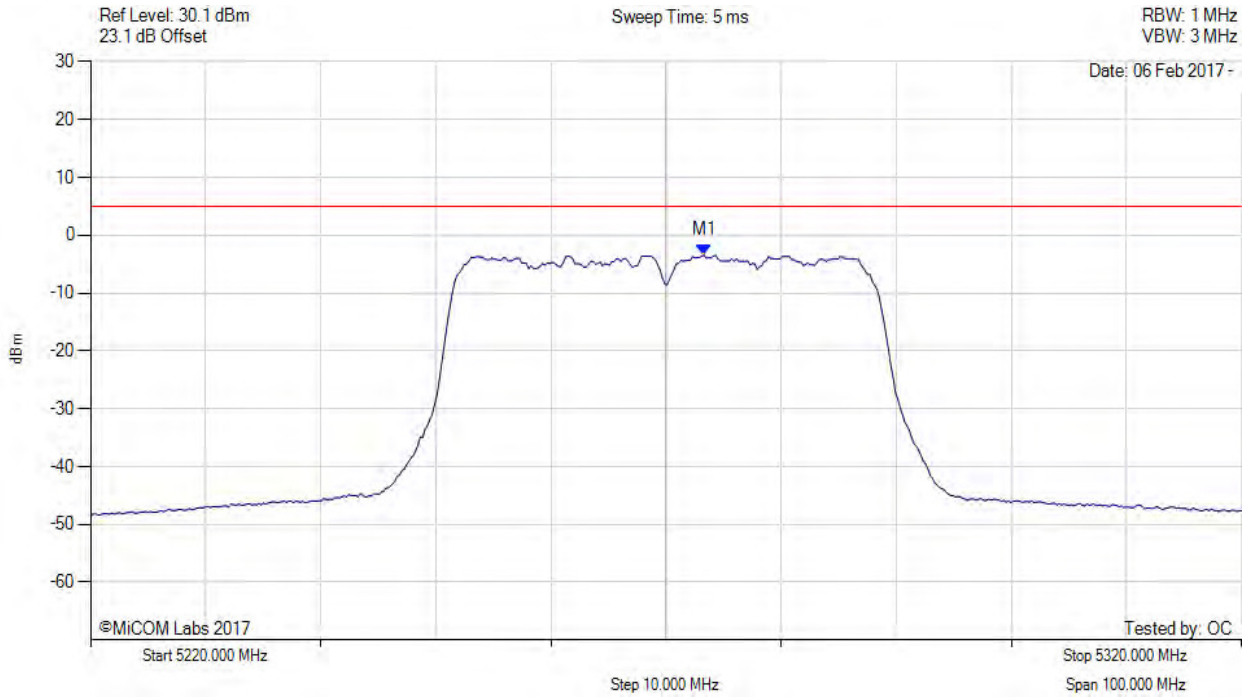
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5272.104 MHz : -2.203 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



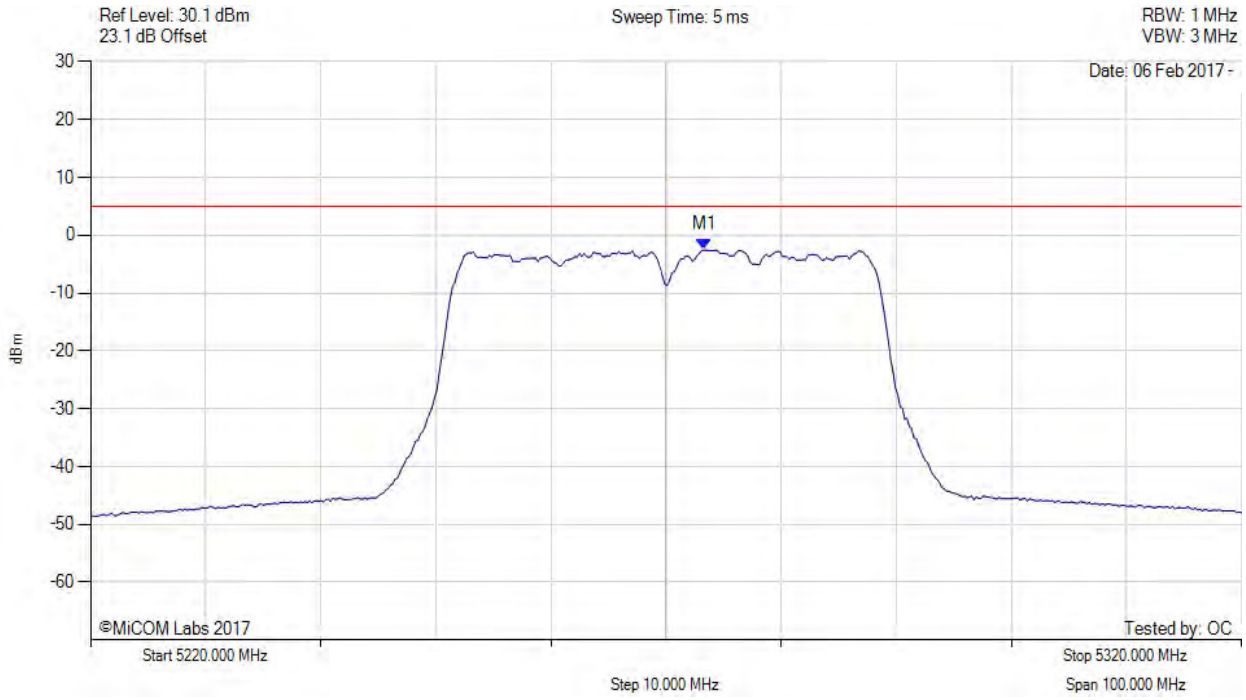
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5273.307 MHz : -3.447 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



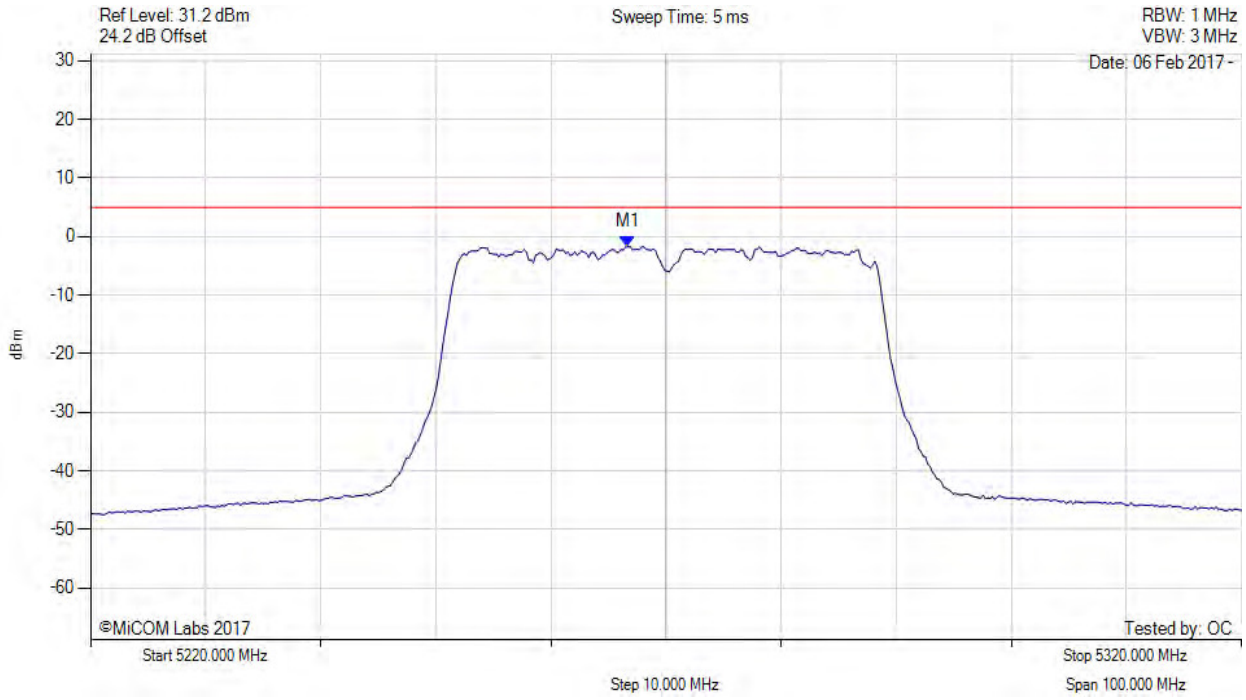
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5273.307 MHz : -2.578 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



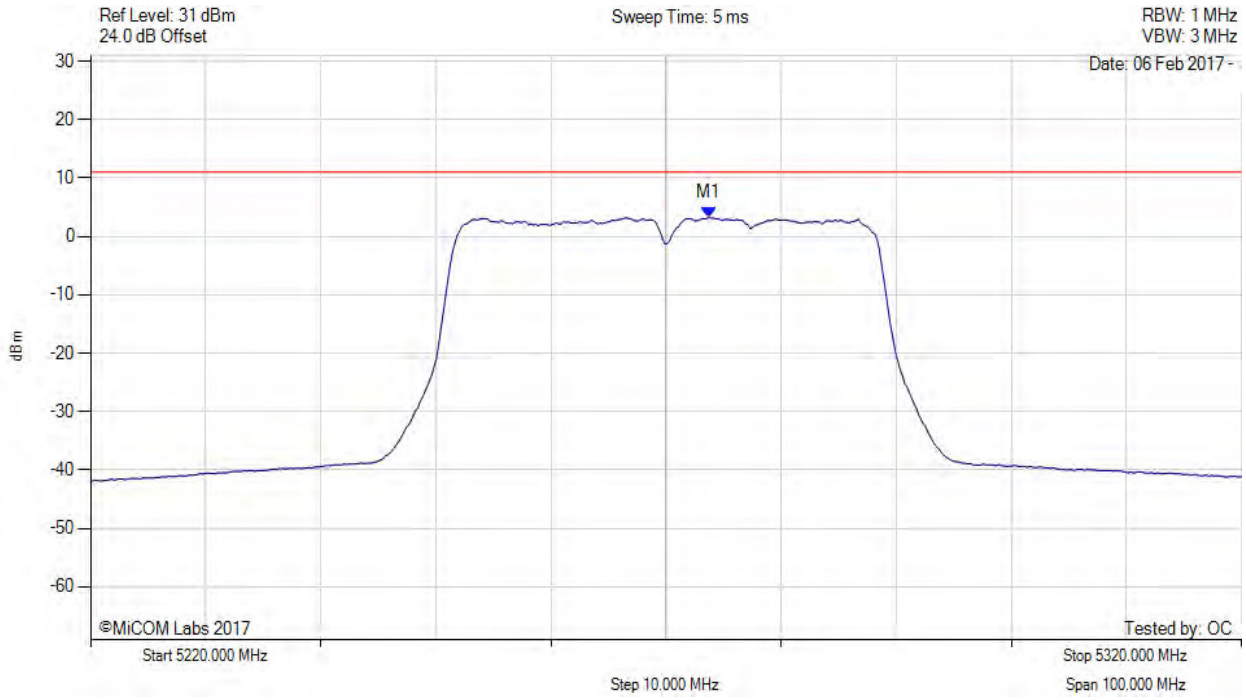
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5266.693 MHz : -1.696 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



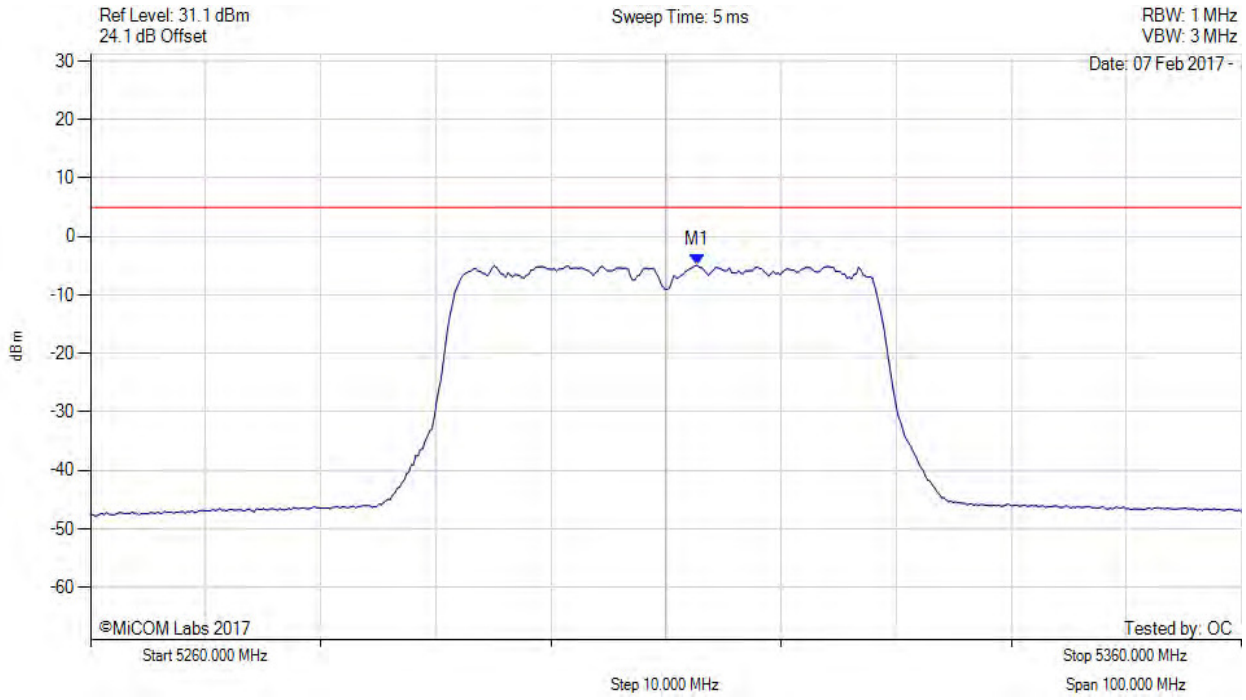
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5273.700 MHz : 3.222 dBm M1 + DCCF : 5273.700 MHz : 3.354 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: ≤ 11.0 dBm Margin: -7.7 dB

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POWER SPECTRAL DENSITY

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



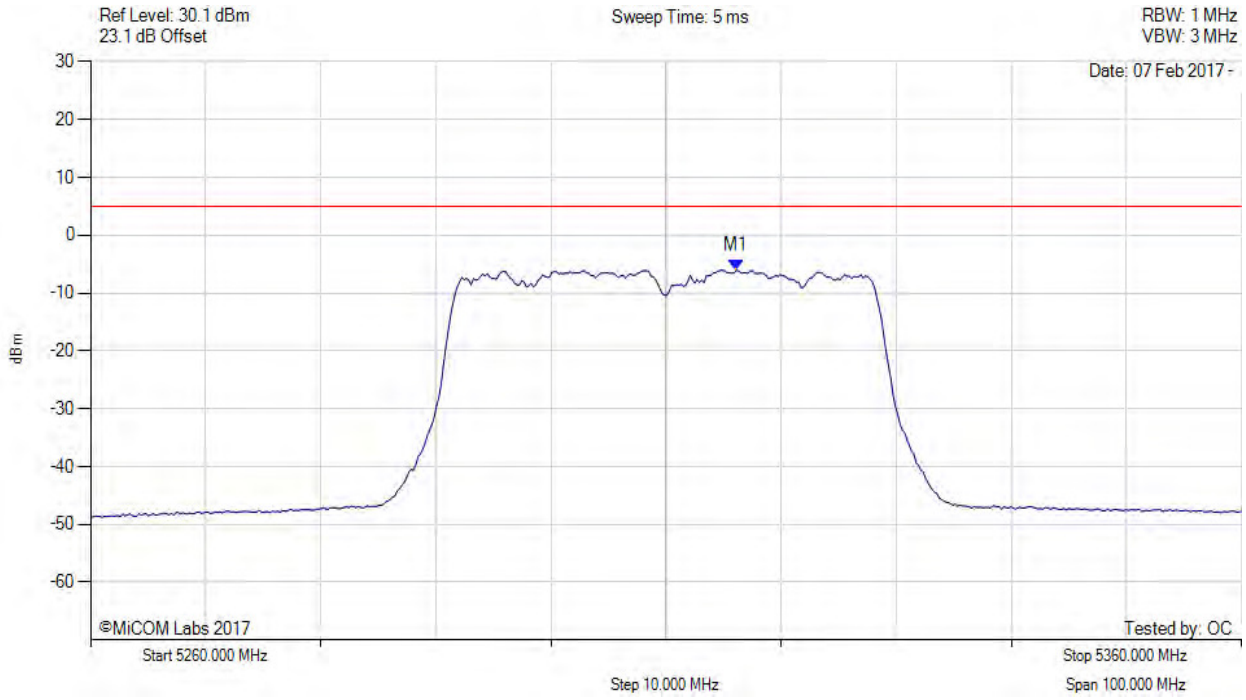
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5312.705 MHz : -4.908 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



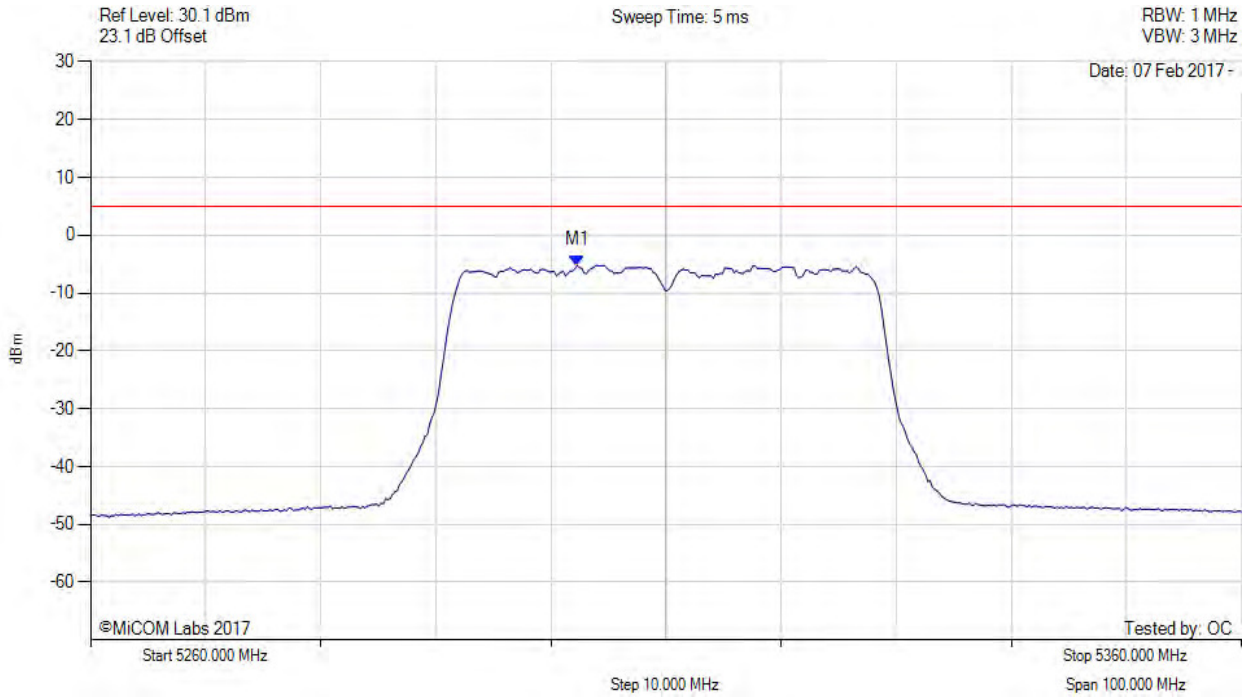
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5316.112 MHz : -6.072 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



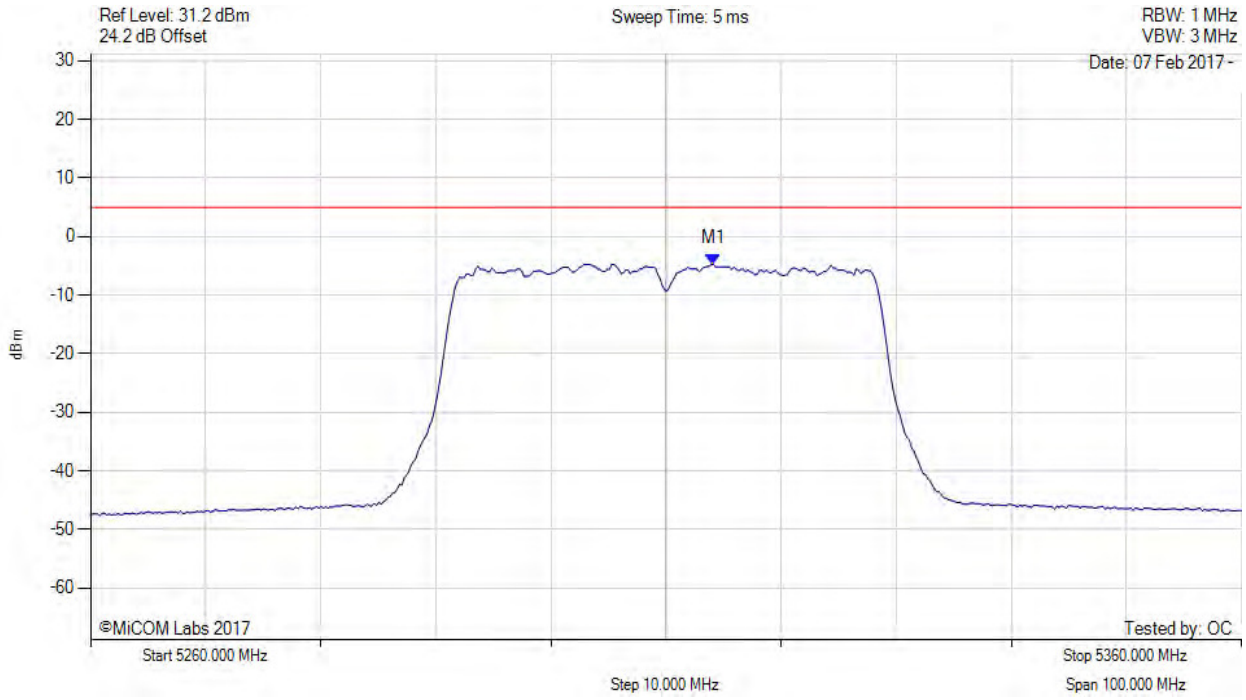
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5302.285 MHz : -5.213 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



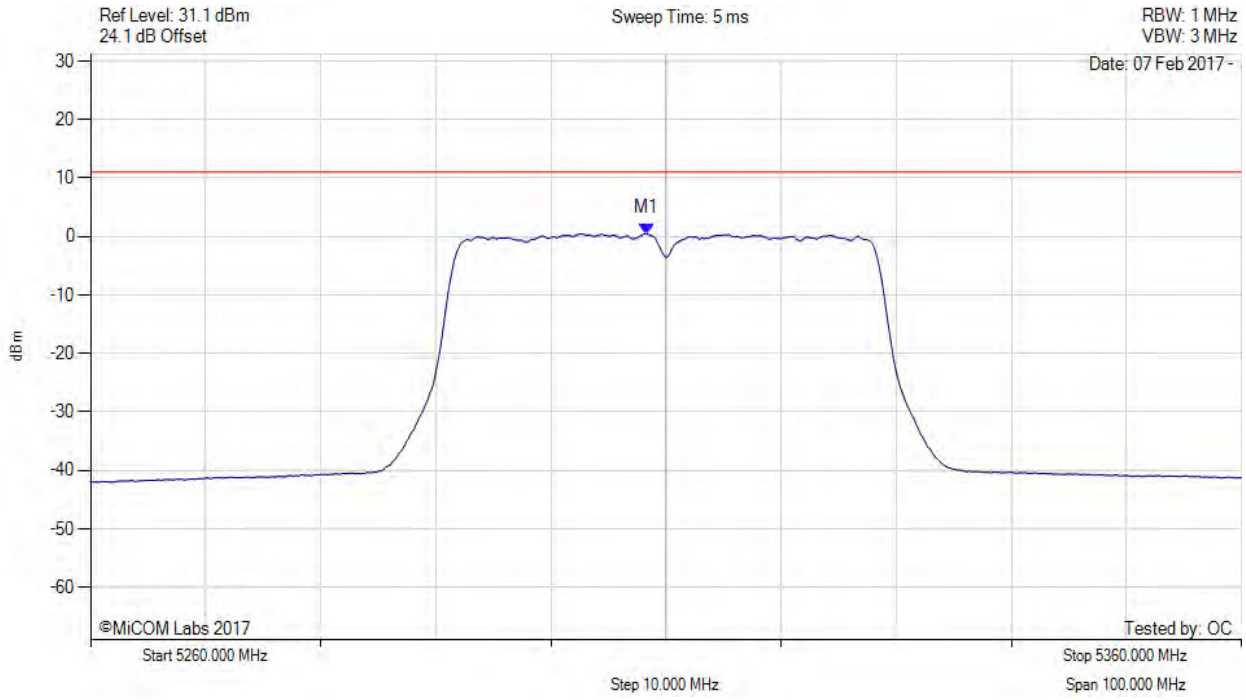
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5314.108 MHz : -4.676 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



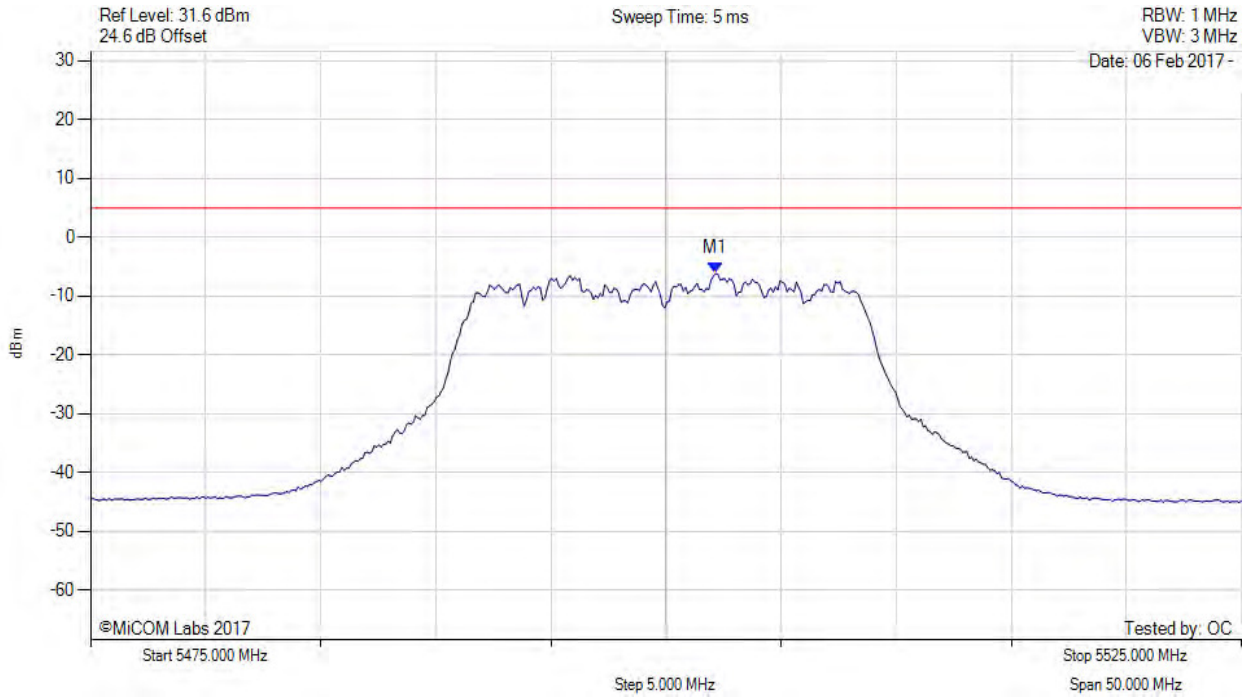
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5308.300 MHz : 0.486 dBm M1 + DCCF : 5308.300 MHz : 0.618 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: ≤ 11.0 dBm Margin: -10.4 dB

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POWER SPECTRAL DENSITY

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



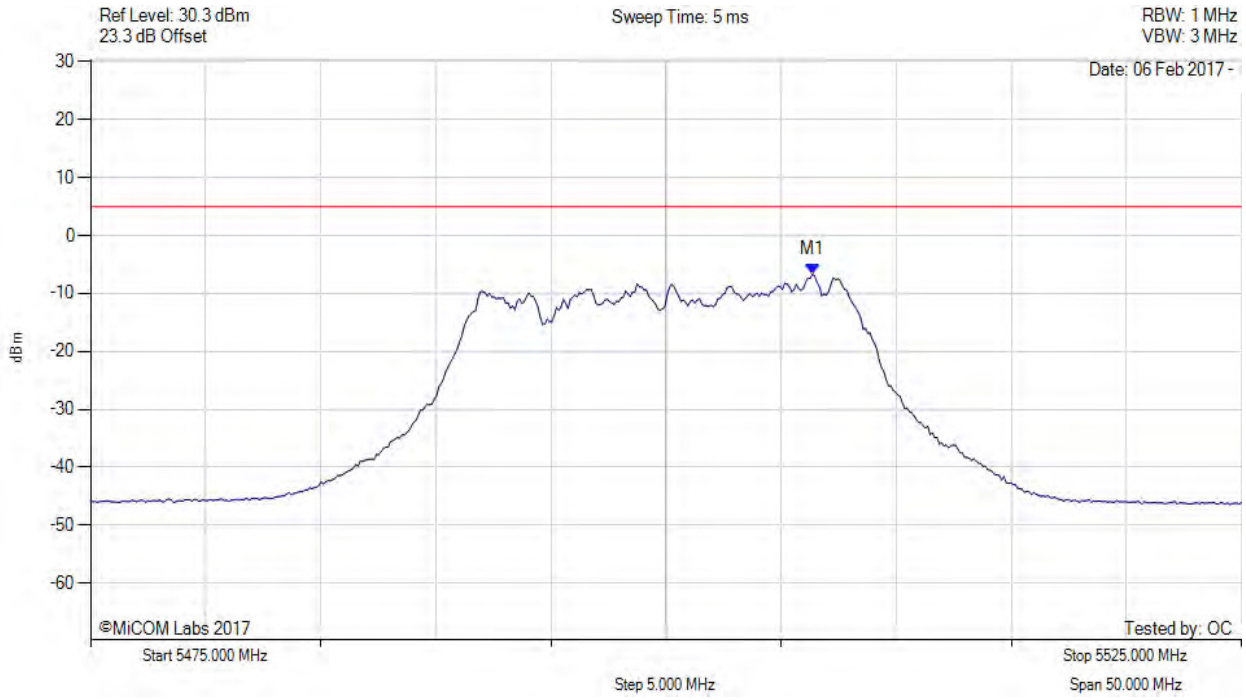
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5502.154 MHz : -6.182 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



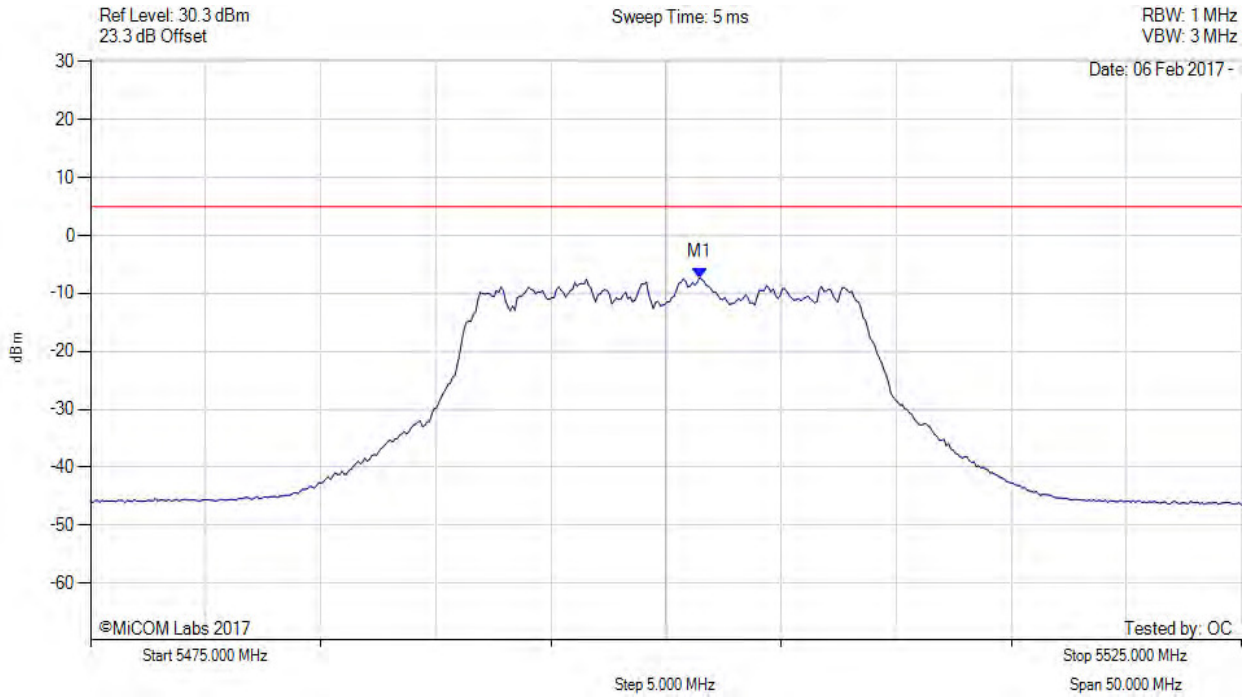
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.363 MHz : -6.683 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



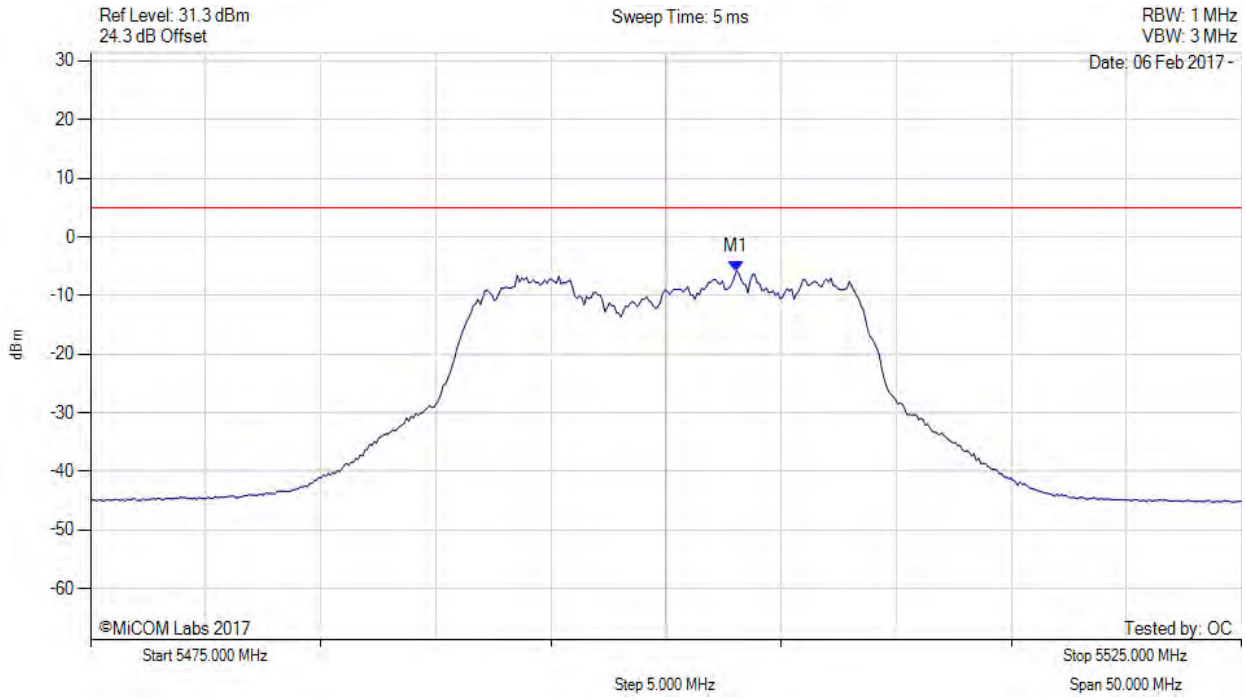
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5501.453 MHz : -7.317 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



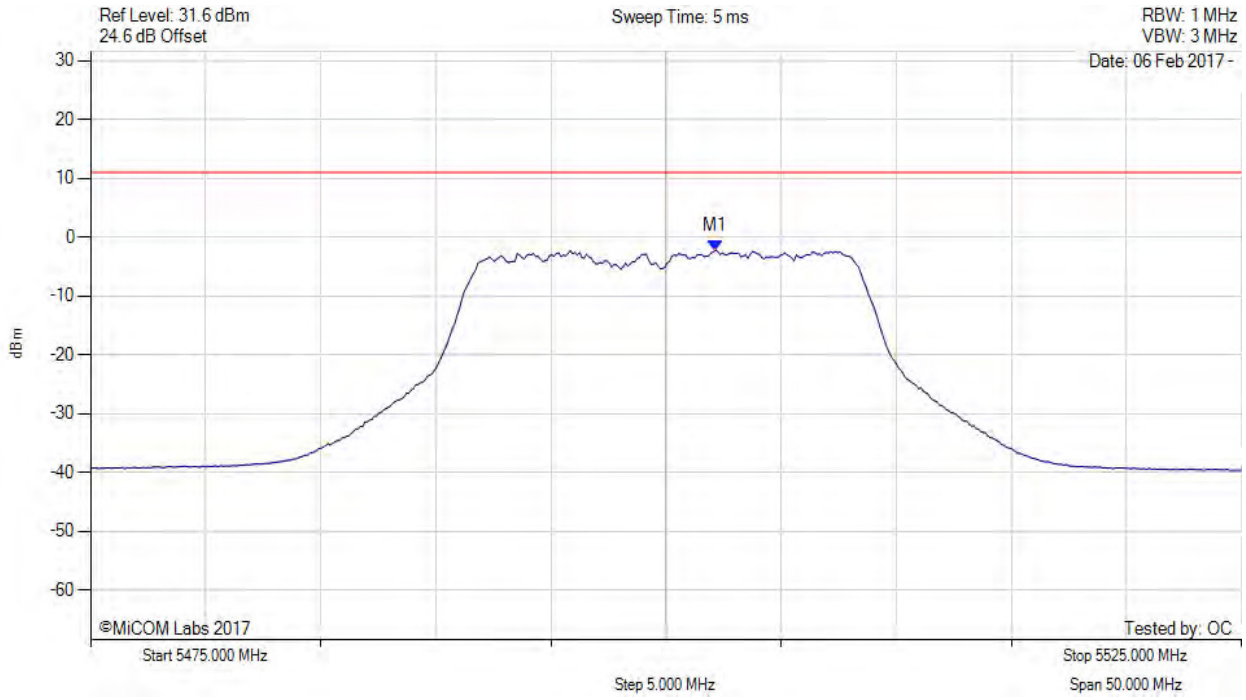
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5503.056 MHz : -5.853 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



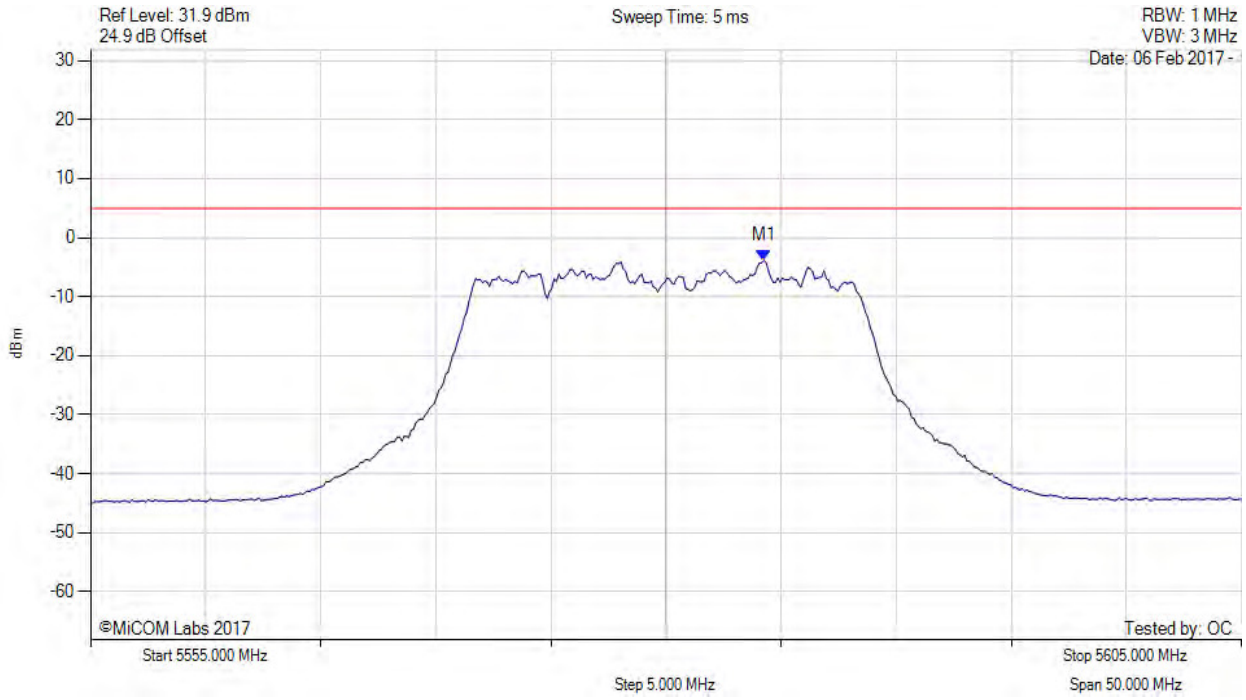
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5502.200 MHz : -2.233 dBm M1 + DCCF : 5502.200 MHz : -1.964 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -13.0 dB

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POWER SPECTRAL DENSITY

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



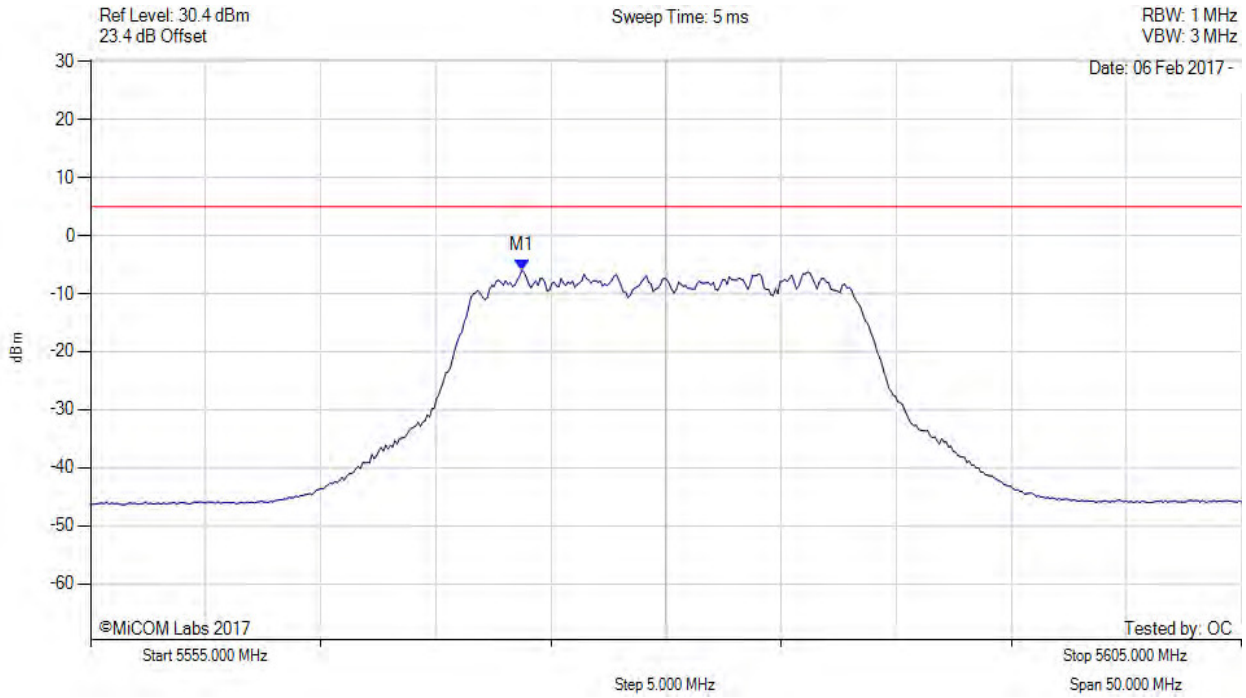
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5584.259 MHz : -3.869 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



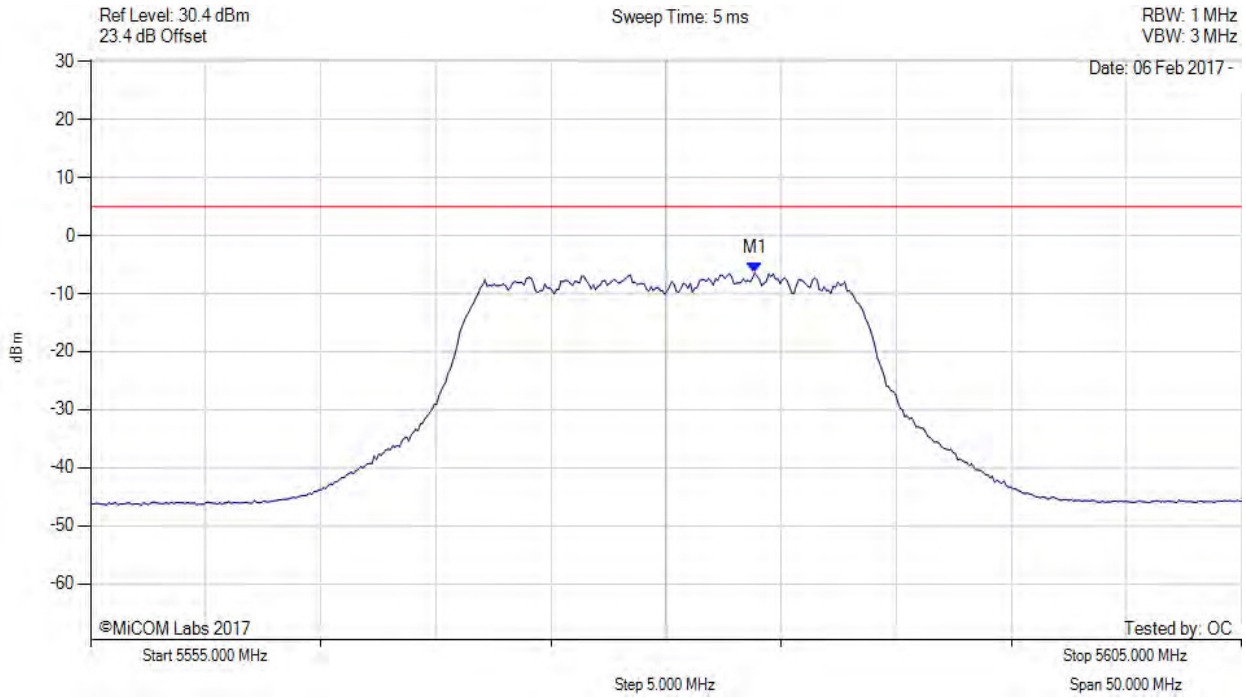
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.737 MHz : -5.886 dBm	Channel Frequency: 5580.00 MHz

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POWER SPECTRAL DENSITY

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



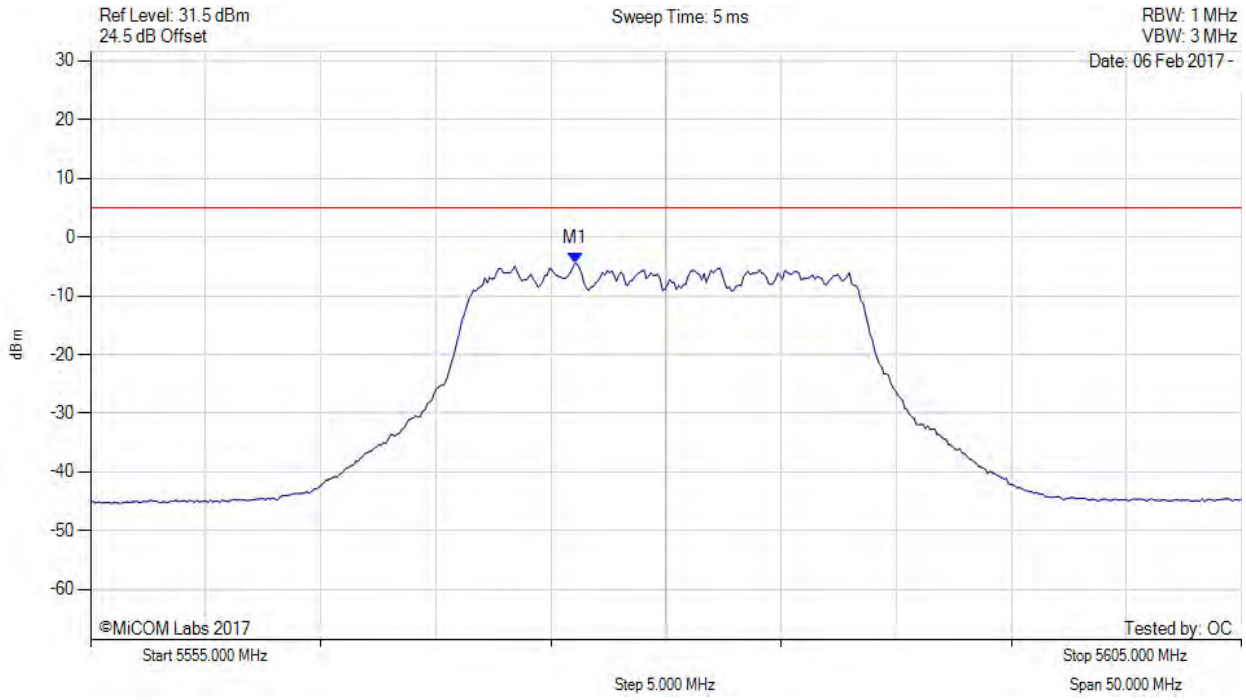
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5583.858 MHz : -6.498 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



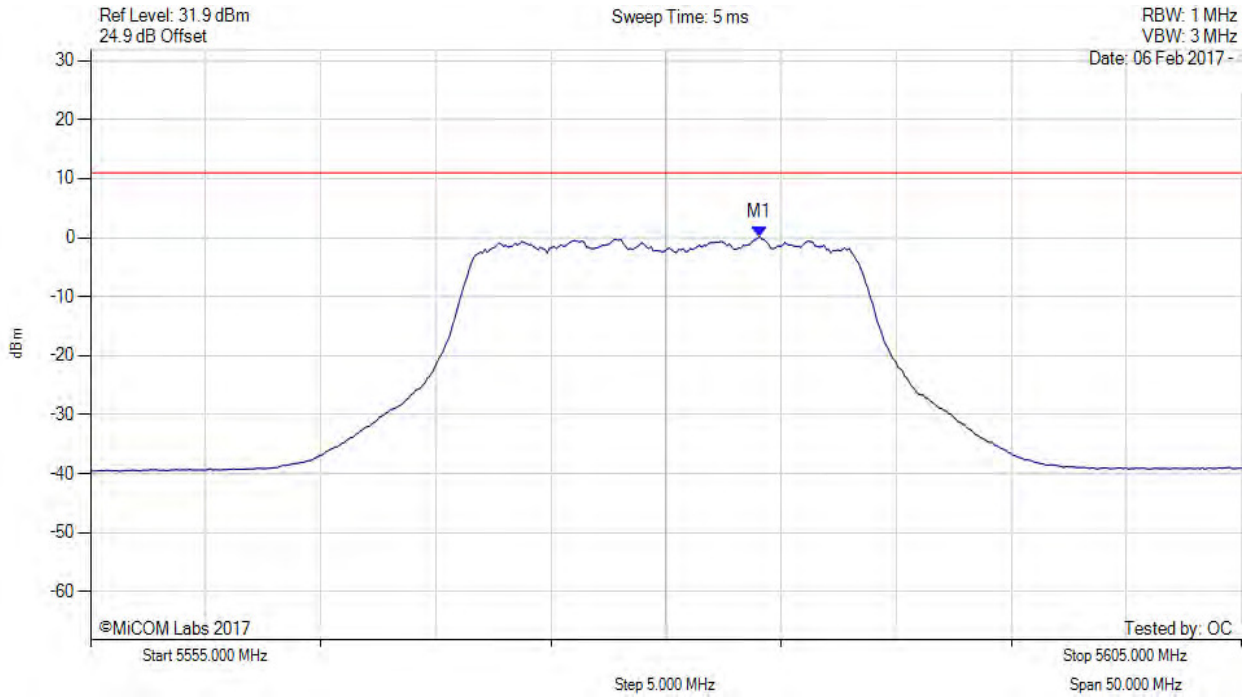
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5576.042 MHz : -4.474 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



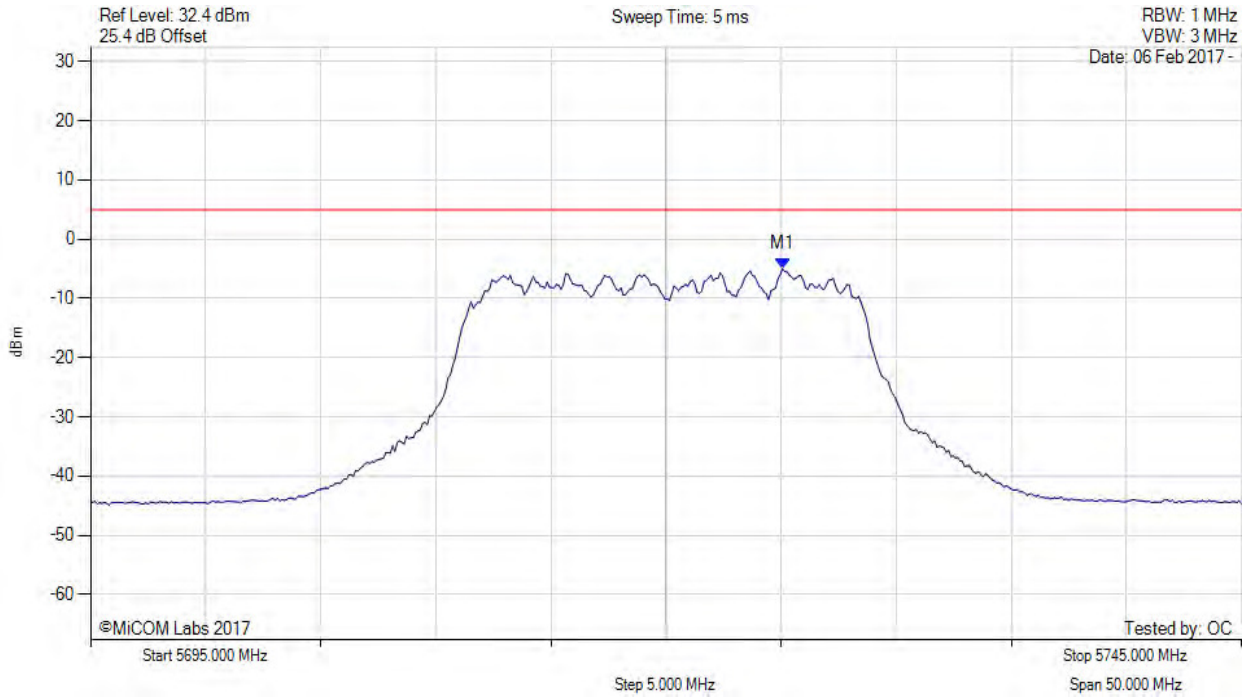
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5584.100 MHz : 0.197 dBm M1 + DCCF : 5584.100 MHz : 0.466 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -10.6 dB

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POWER SPECTRAL DENSITY

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



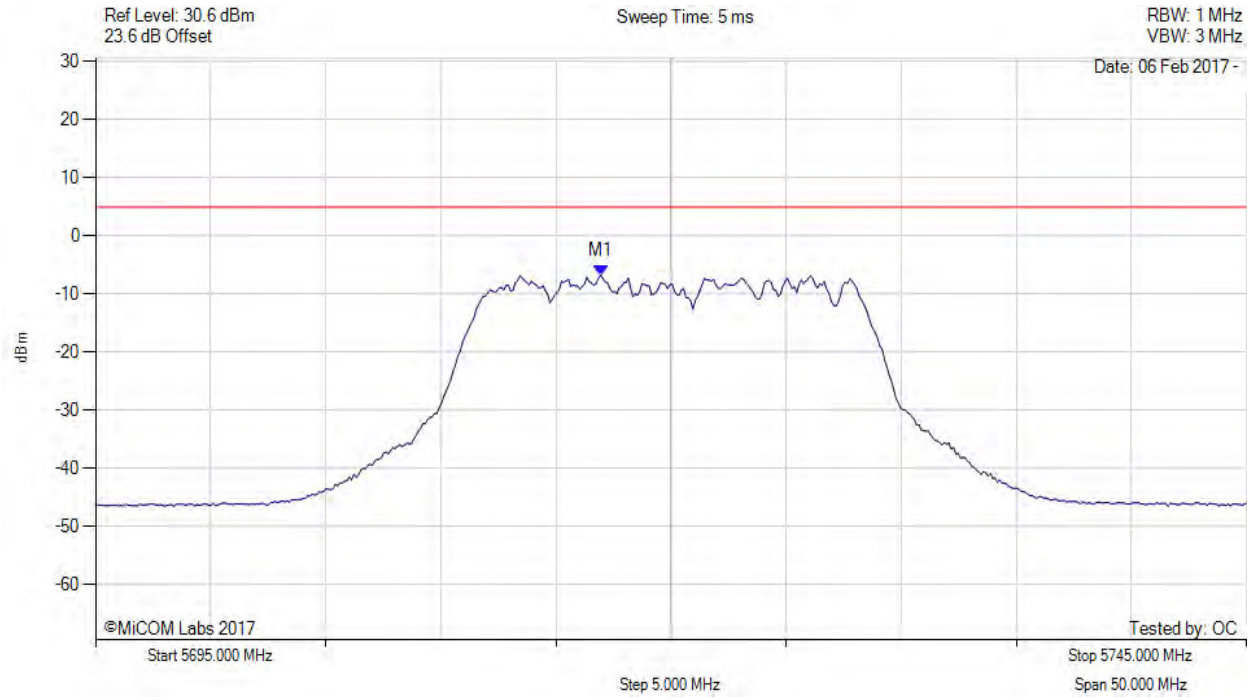
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5725.060 MHz : -5.011 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



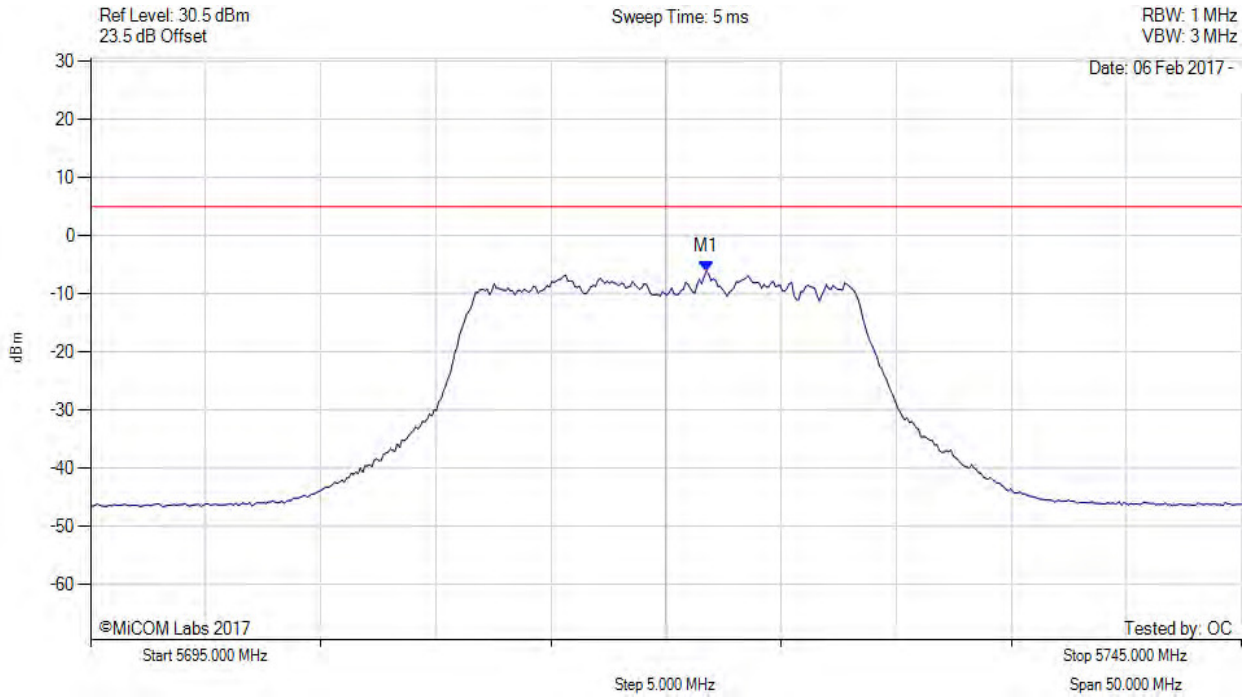
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5716.944 MHz : -6.787 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



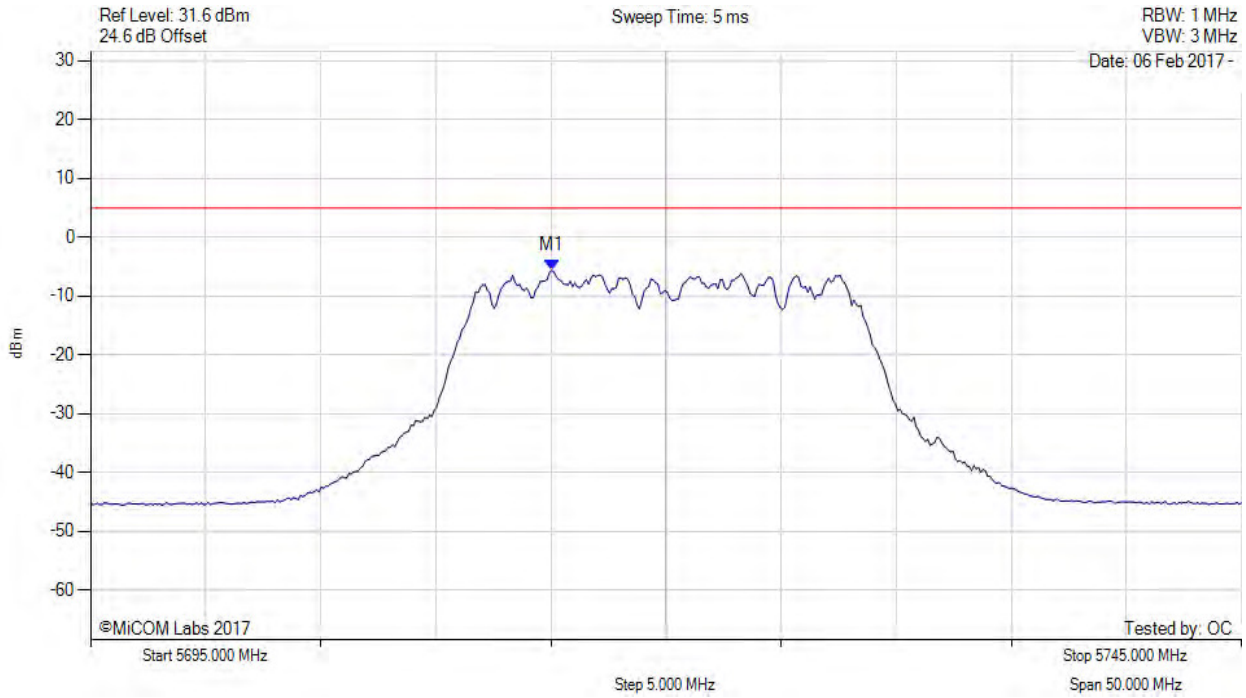
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5721.754 MHz : -6.144 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



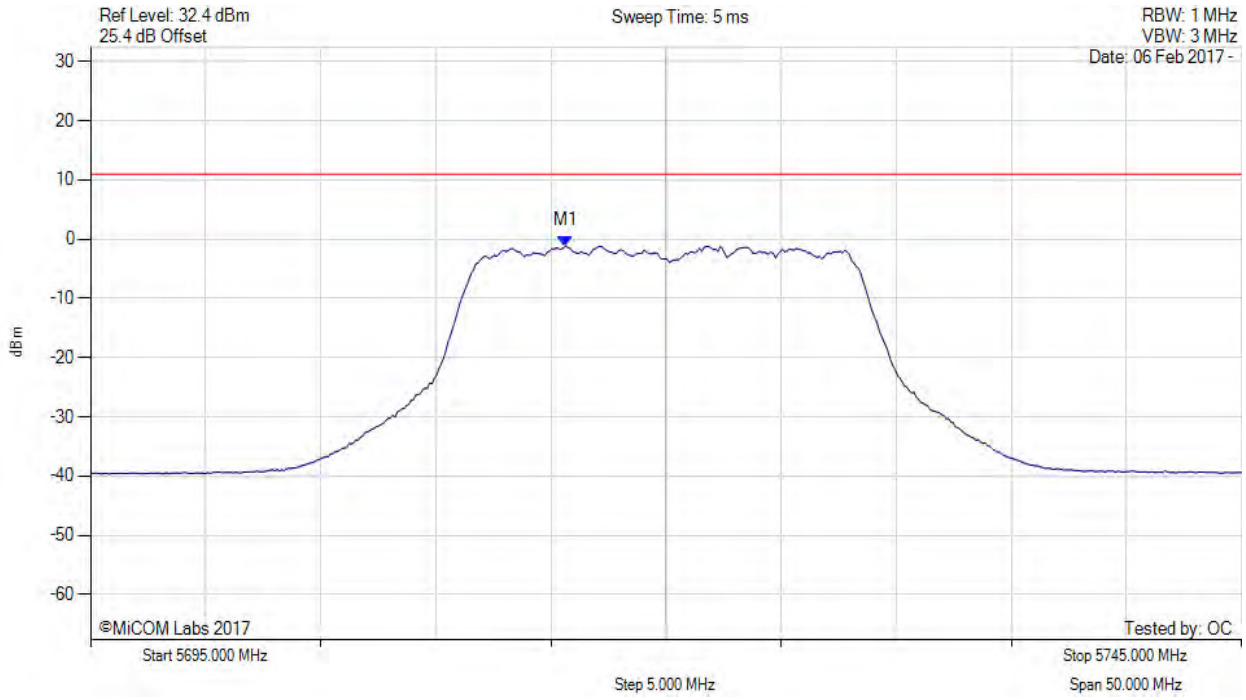
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5715.040 MHz : -5.614 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



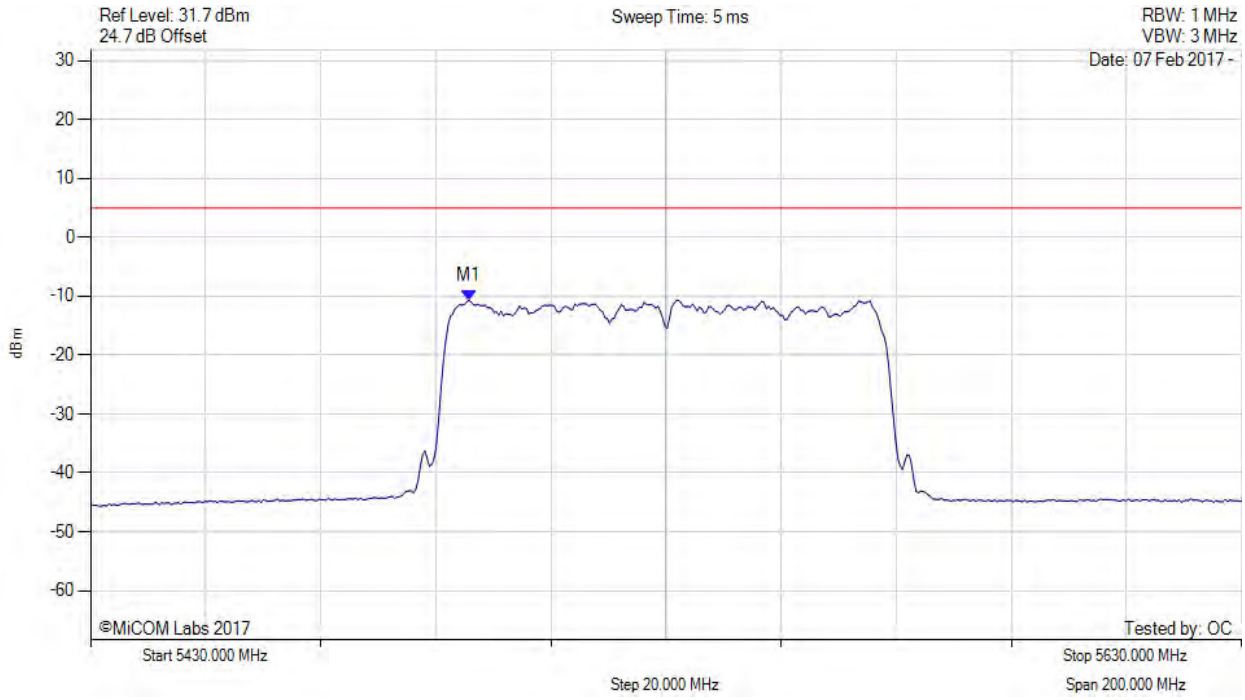
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5715.600 MHz : -1.159 dBm M1 + DCCF : 5715.600 MHz : -0.890 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -11.9 dB

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POWER SPECTRAL DENSITY

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



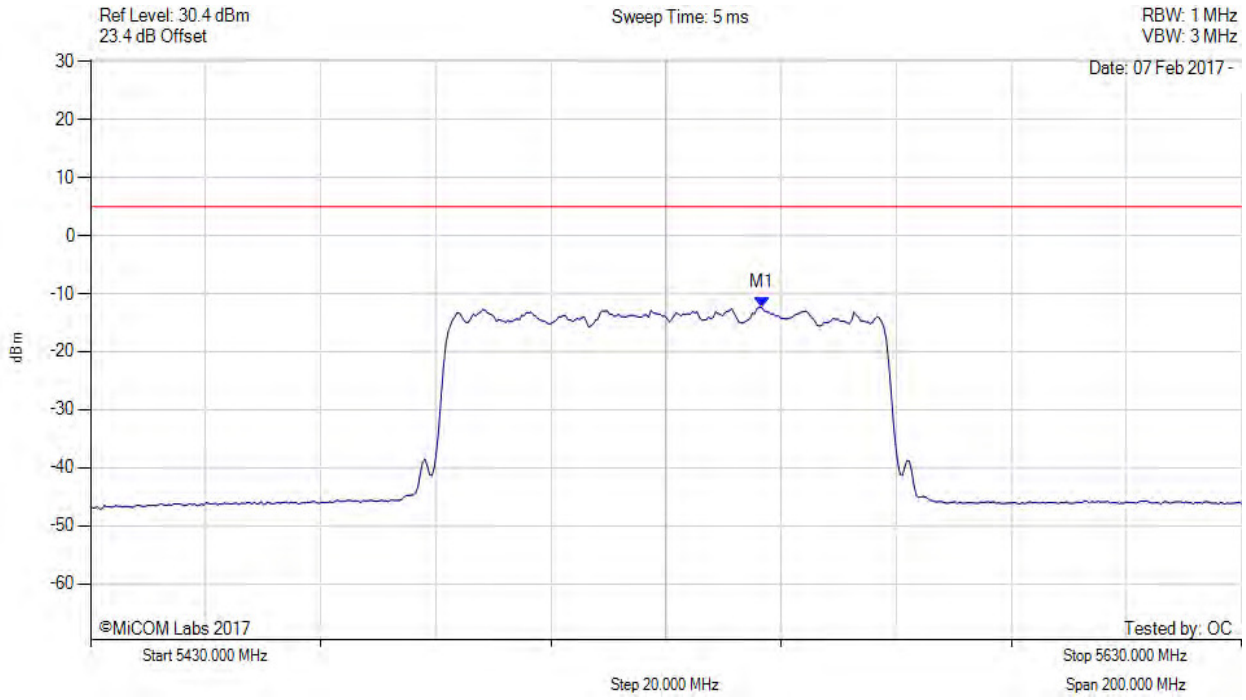
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5495.731 MHz : -10.700 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



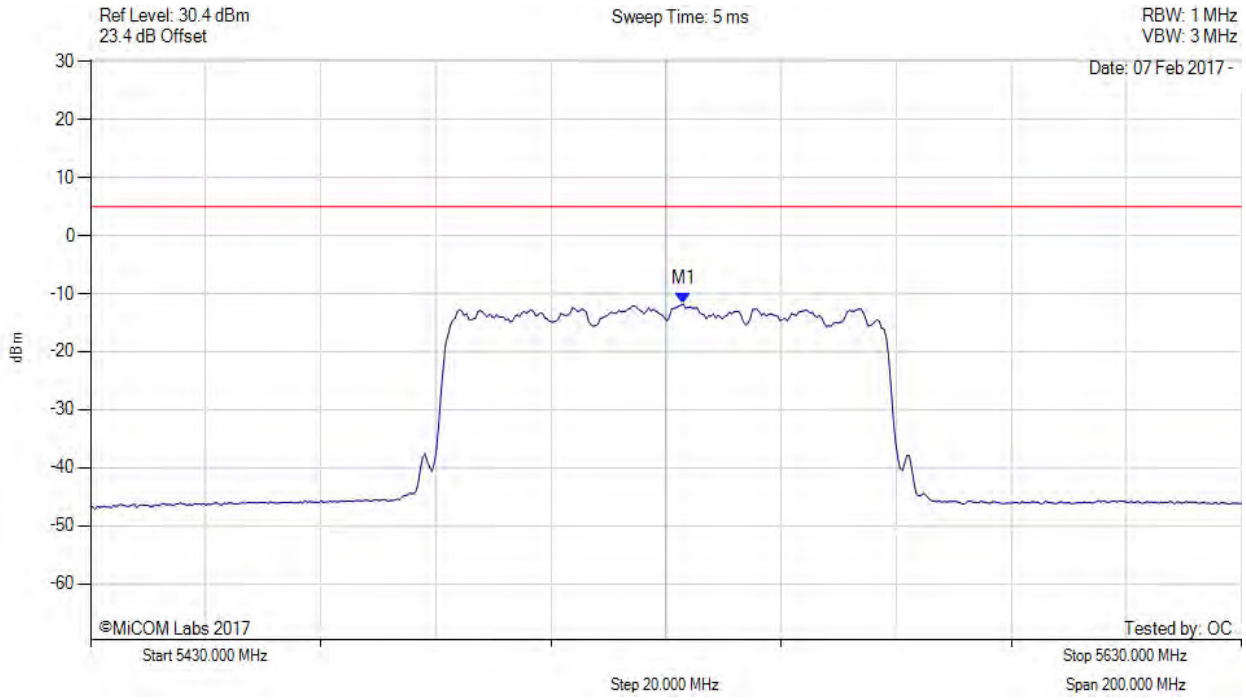
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5546.633 MHz : -12.389 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



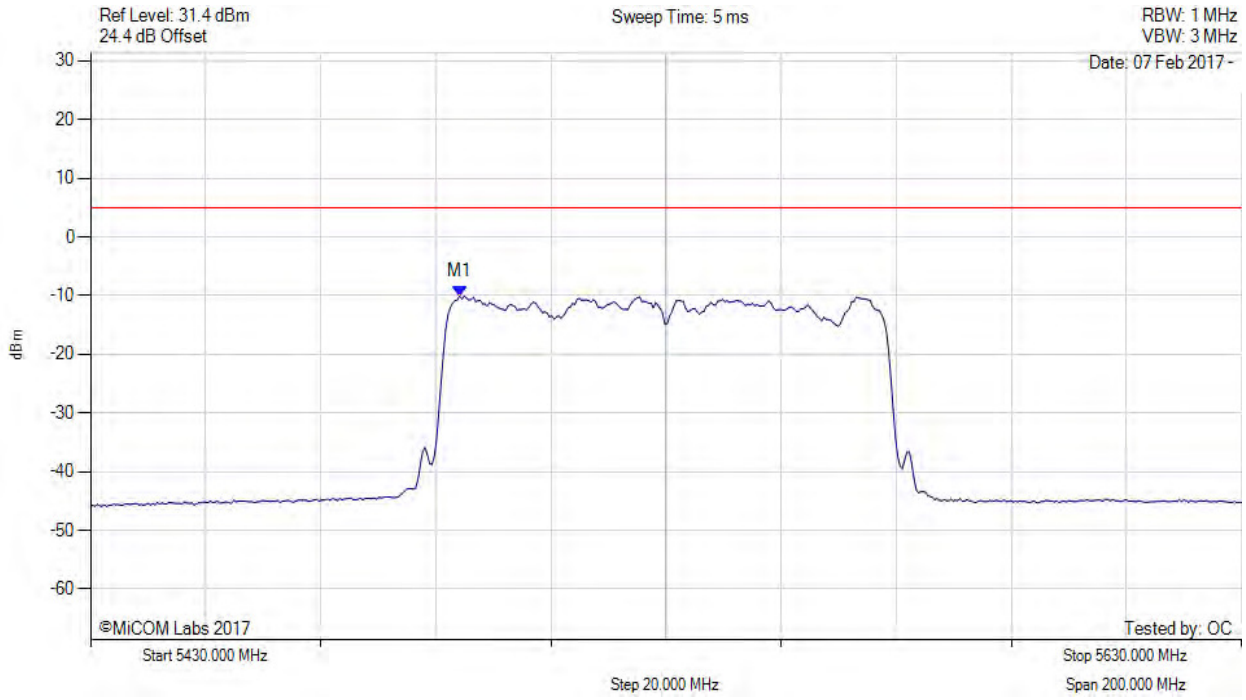
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5533.006 MHz : -11.798 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



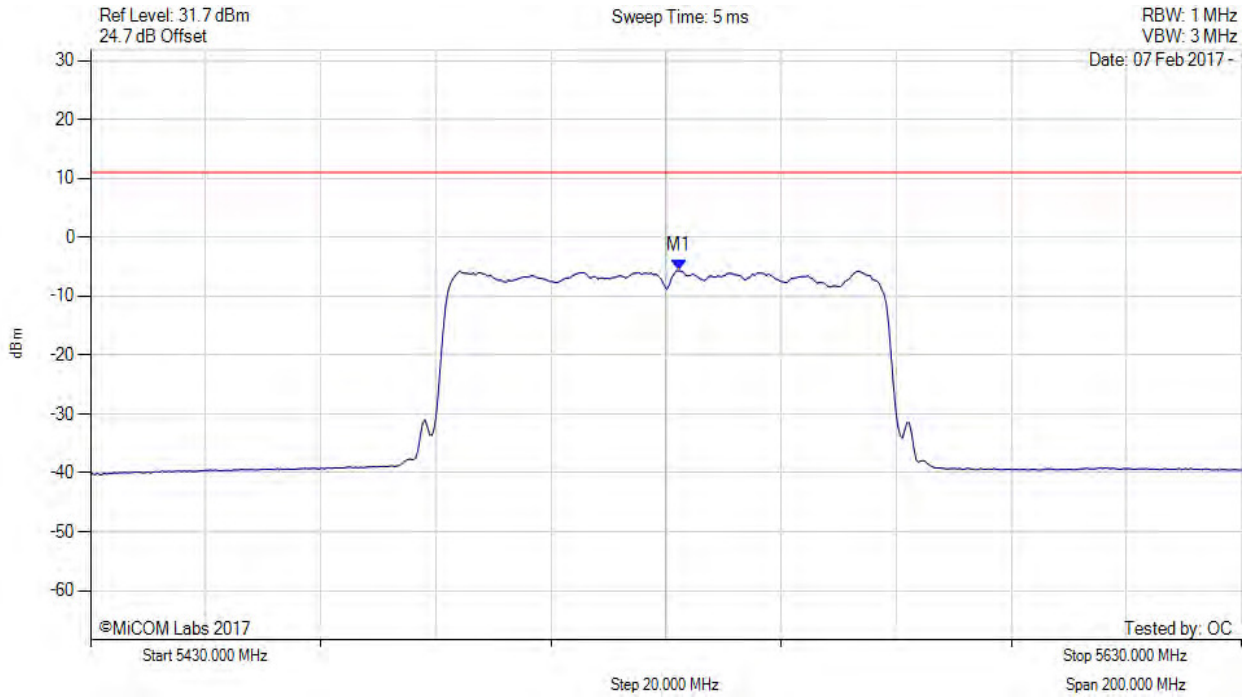
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5494.128 MHz : -10.063 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



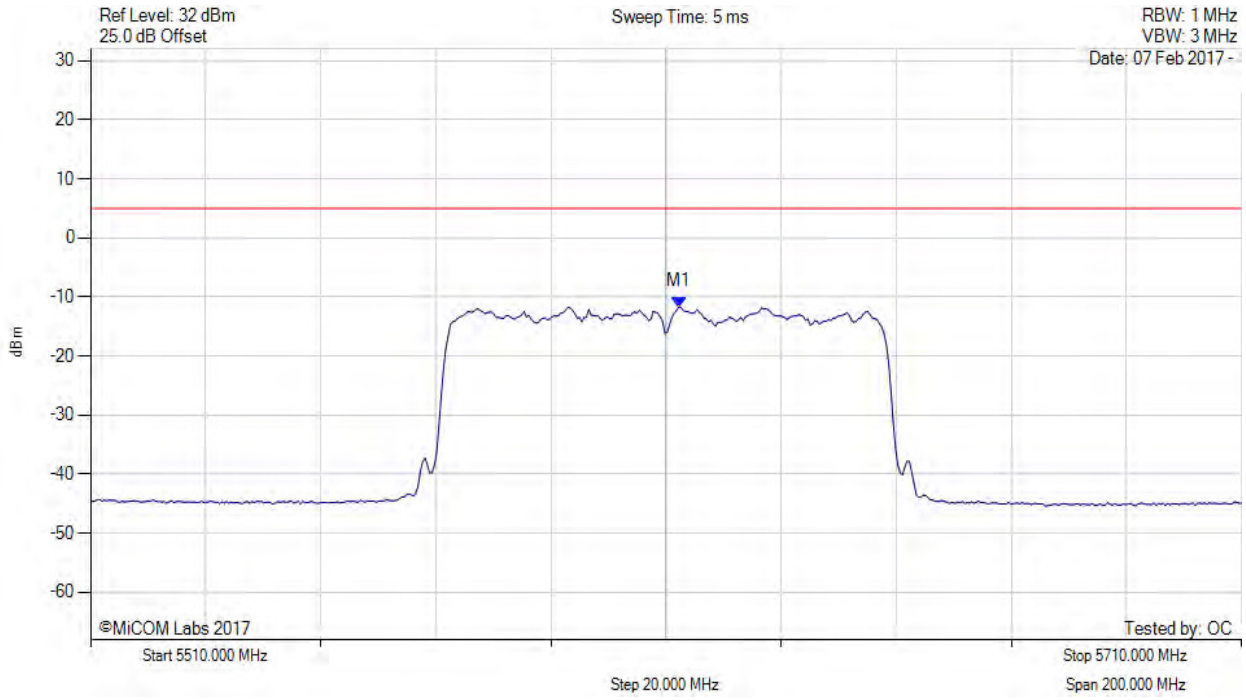
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5532.200 MHz : -5.632 dBm M1 + DCCF : 5532.200 MHz : -5.363 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -16.4 dB

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POWER SPECTRAL DENSITY

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



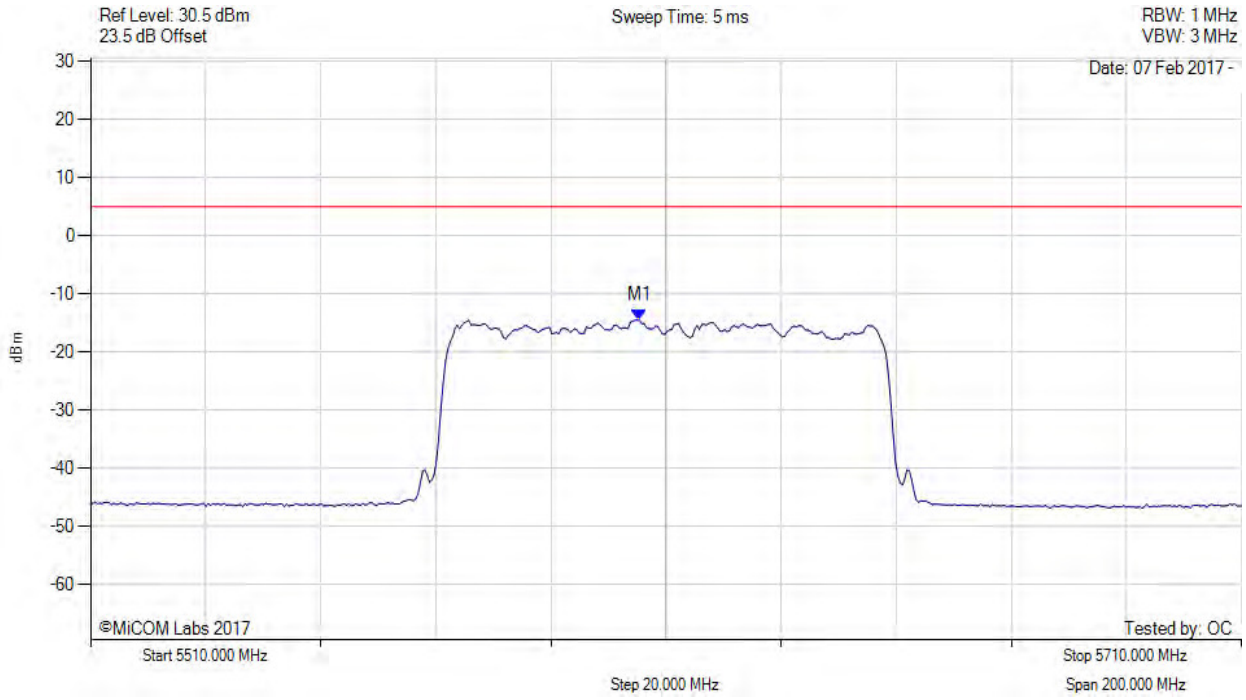
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5612.204 MHz : -11.710 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



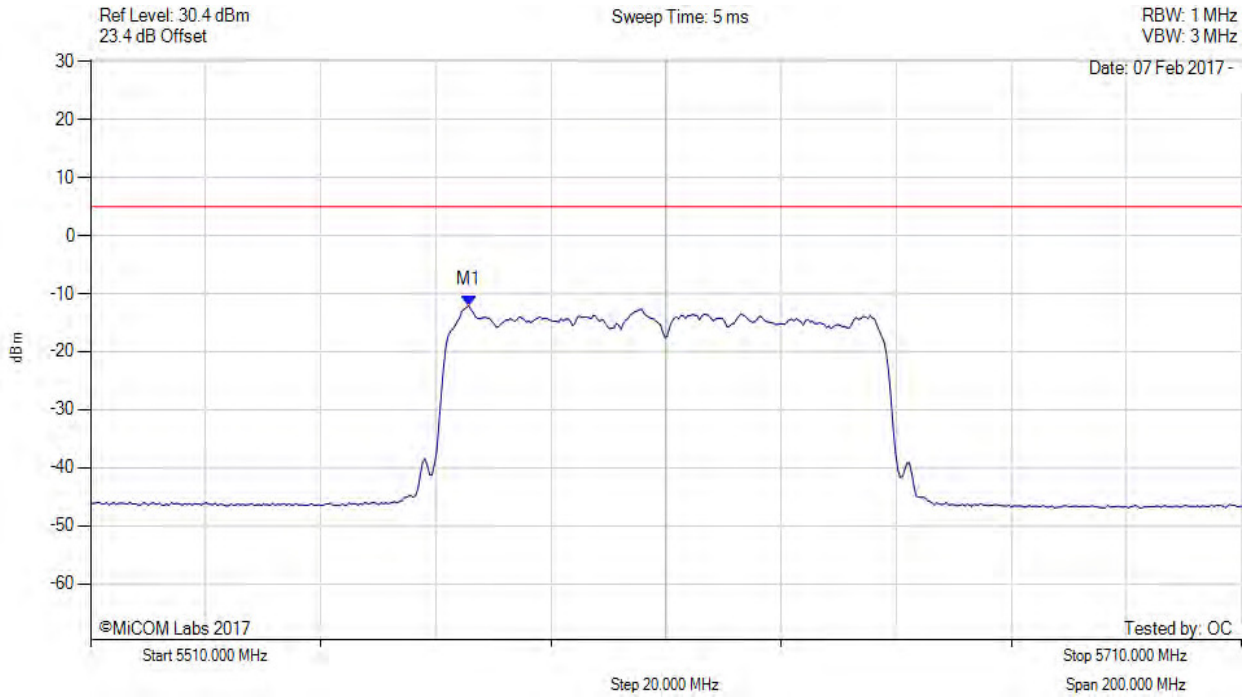
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5605.391 MHz : -14.529 dBm	Channel Frequency: 5610.00 MHz

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POWER SPECTRAL DENSITY

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



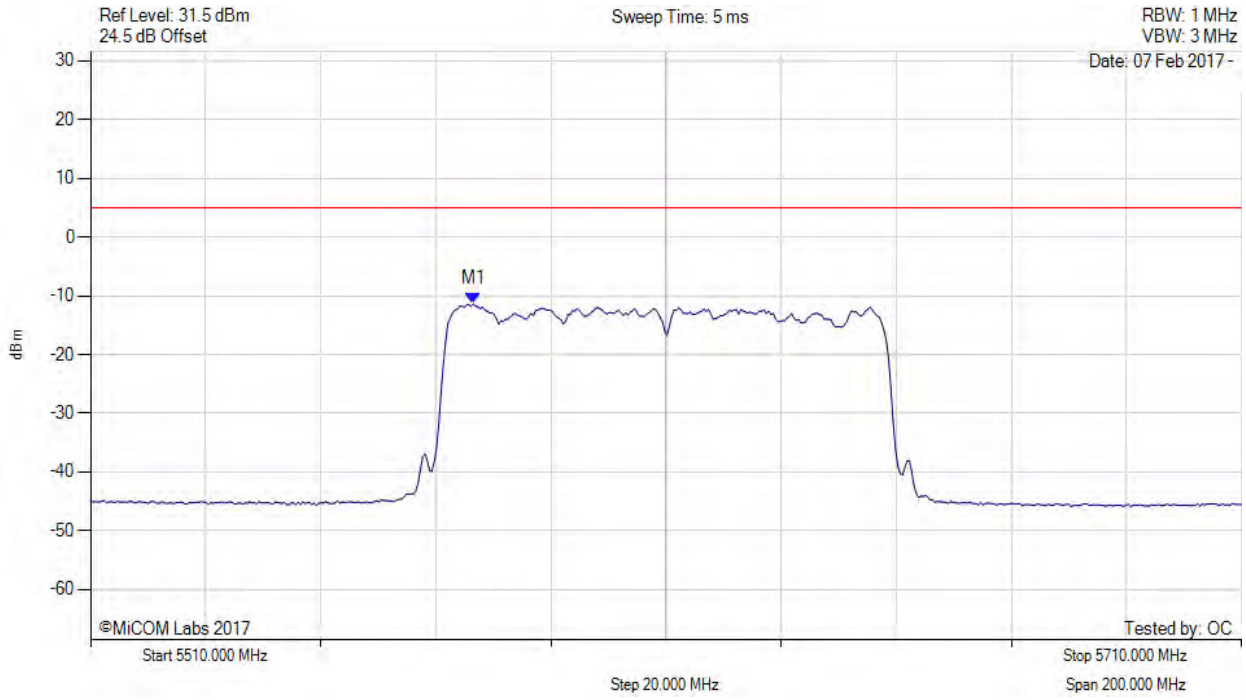
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5575.731 MHz : -12.048 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



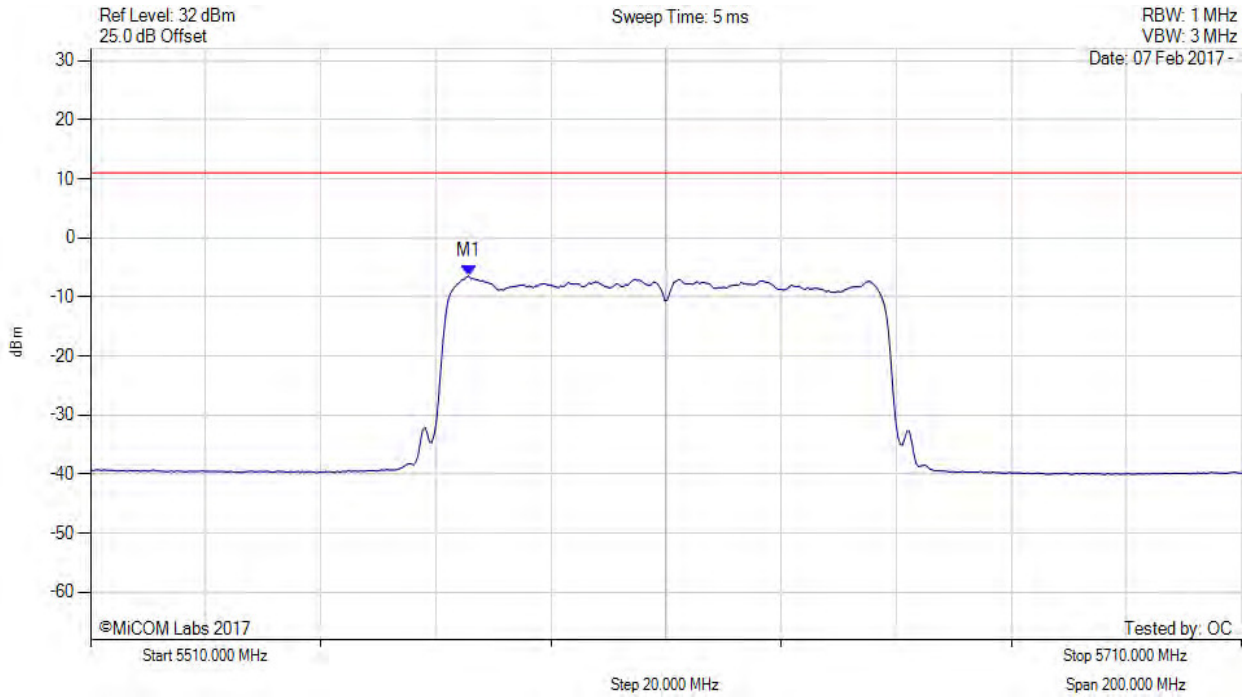
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5576.533 MHz : -11.377 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



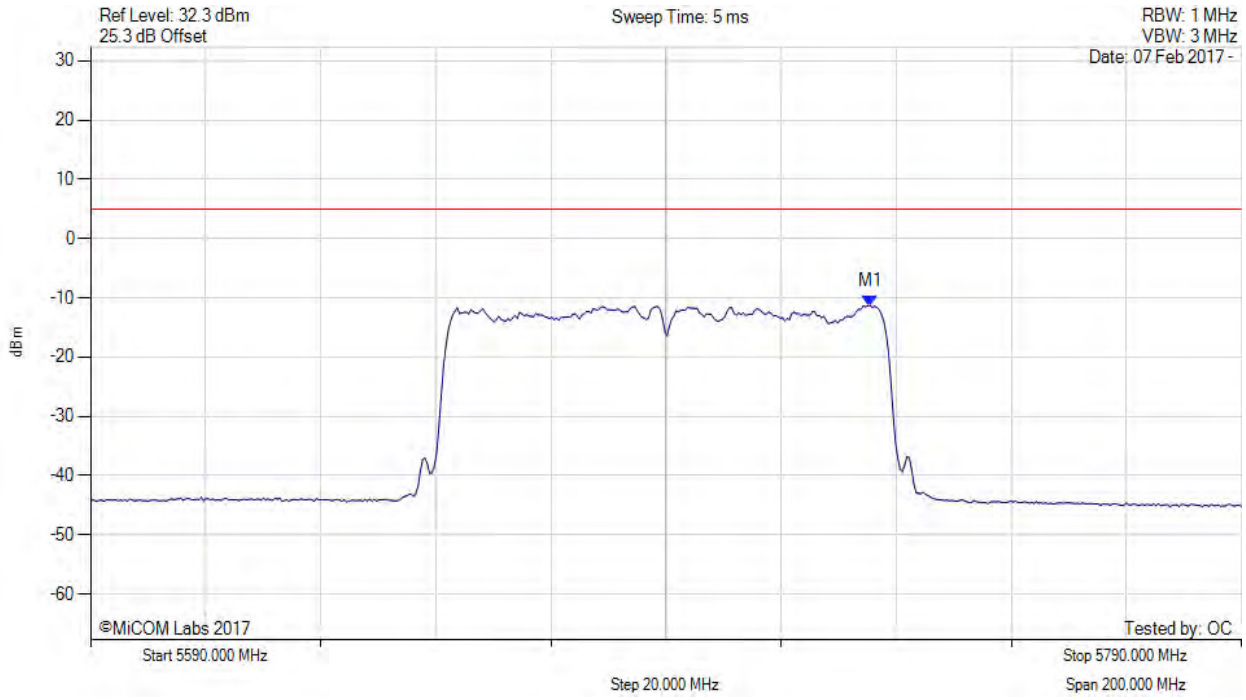
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5575.700 MHz : -6.475 dBm M1 + DCCF : 5575.700 MHz : -6.206 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -17.2 dB

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POWER SPECTRAL DENSITY

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



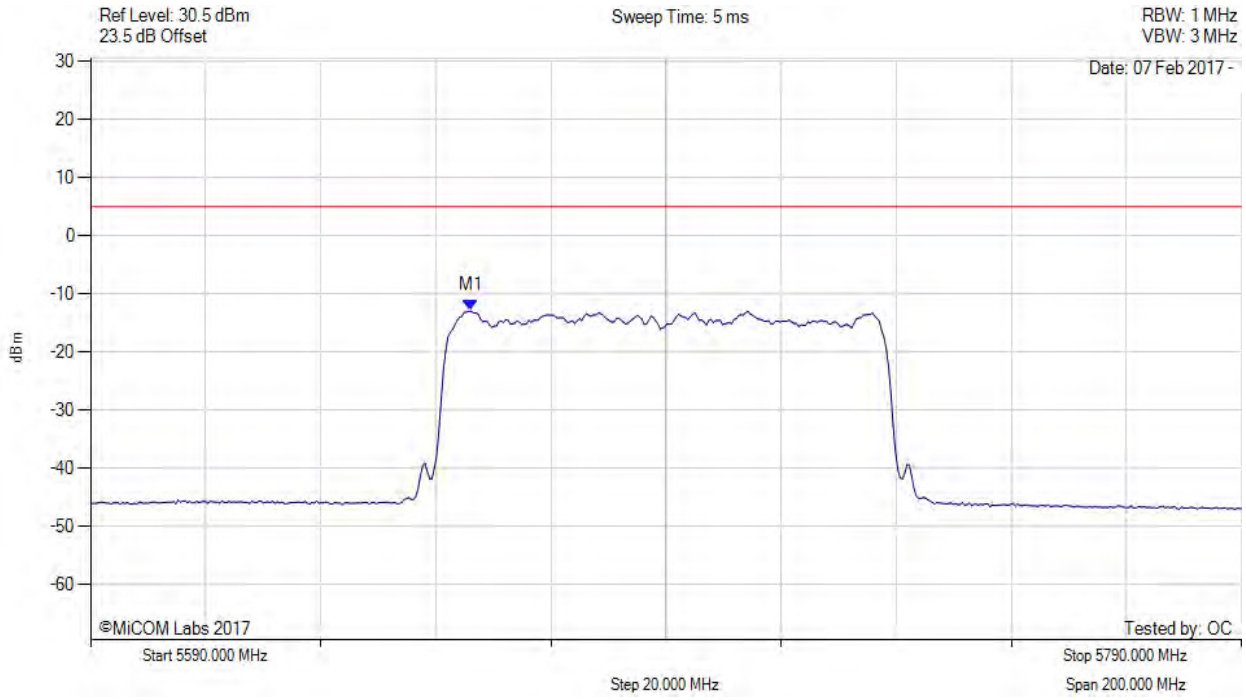
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5725.471 MHz : -11.330 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



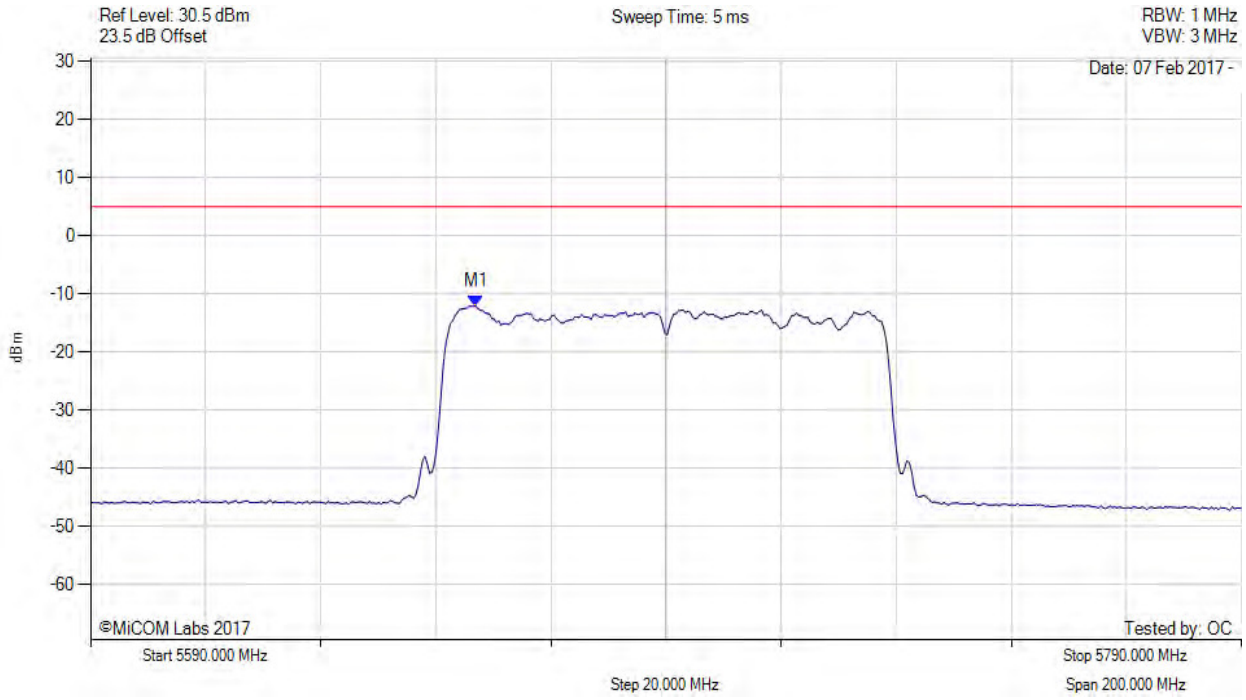
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5656.132 MHz : -12.961 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



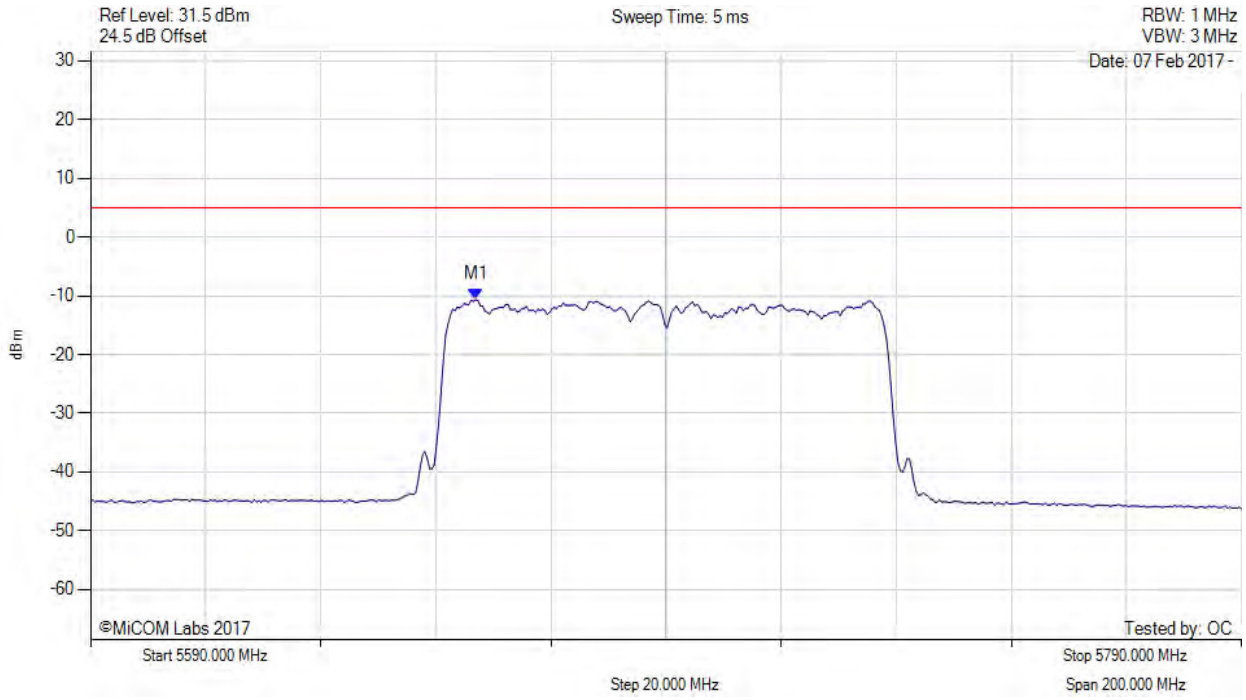
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5656.934 MHz : -12.082 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



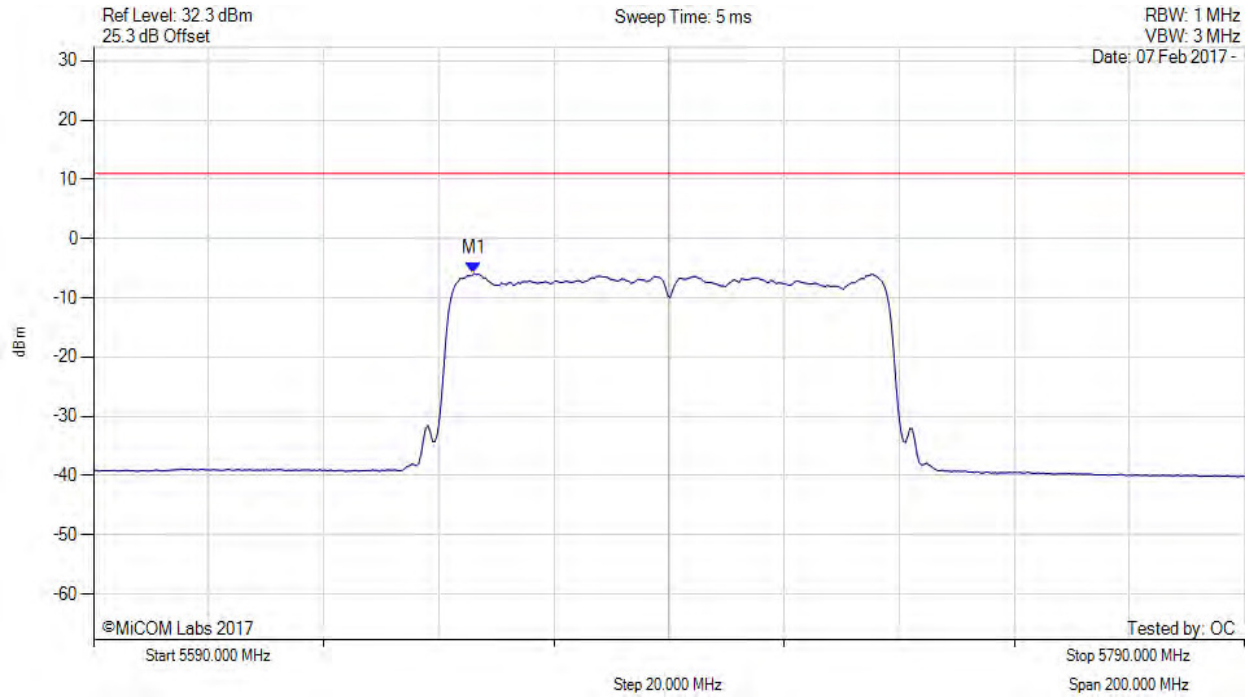
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5656.934 MHz : -10.653 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



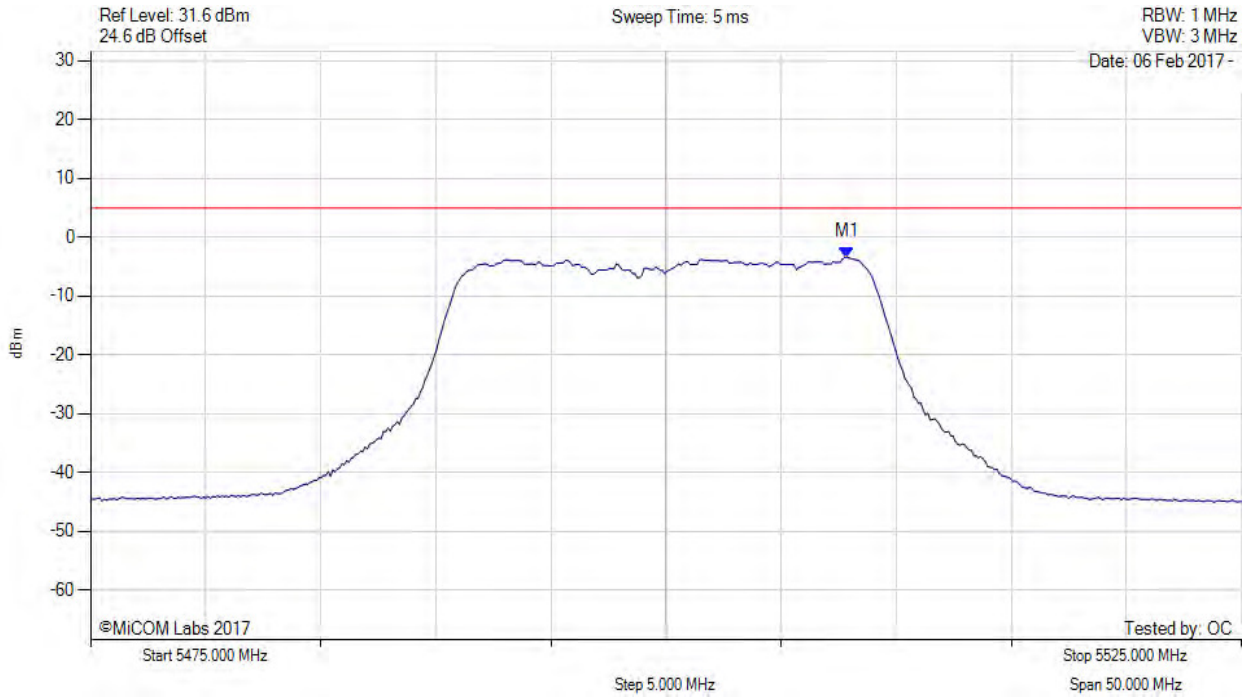
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5656.100 MHz : -5.876 dBm M1 + DCCF : 5656.100 MHz : -5.607 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 11.0 dBm Margin: -16.6 dB

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POWER SPECTRAL DENSITY

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



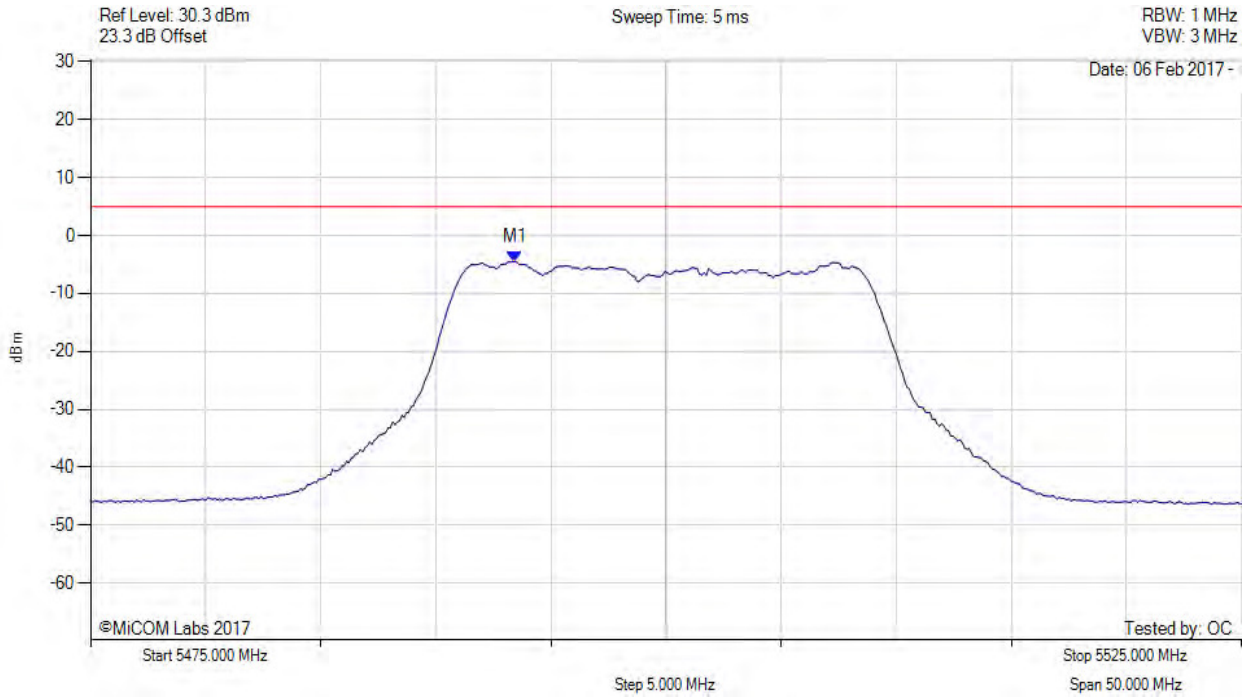
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5507.866 MHz : -3.393 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



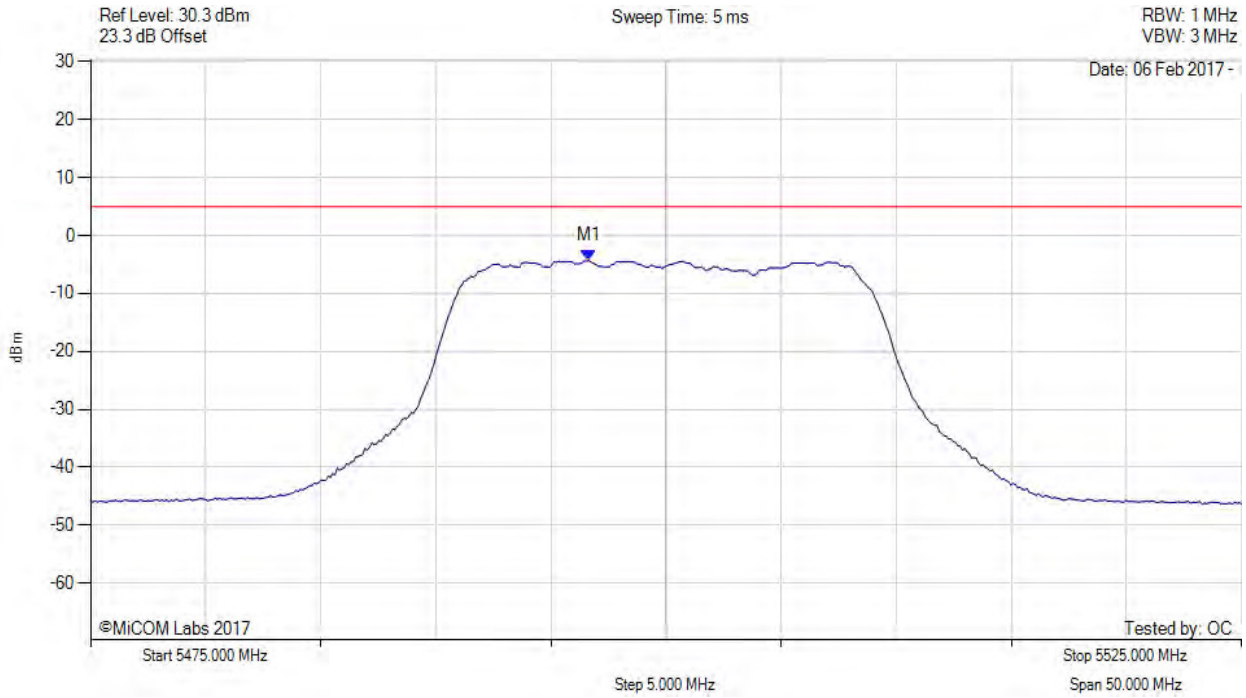
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5493.437 MHz : -4.472 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



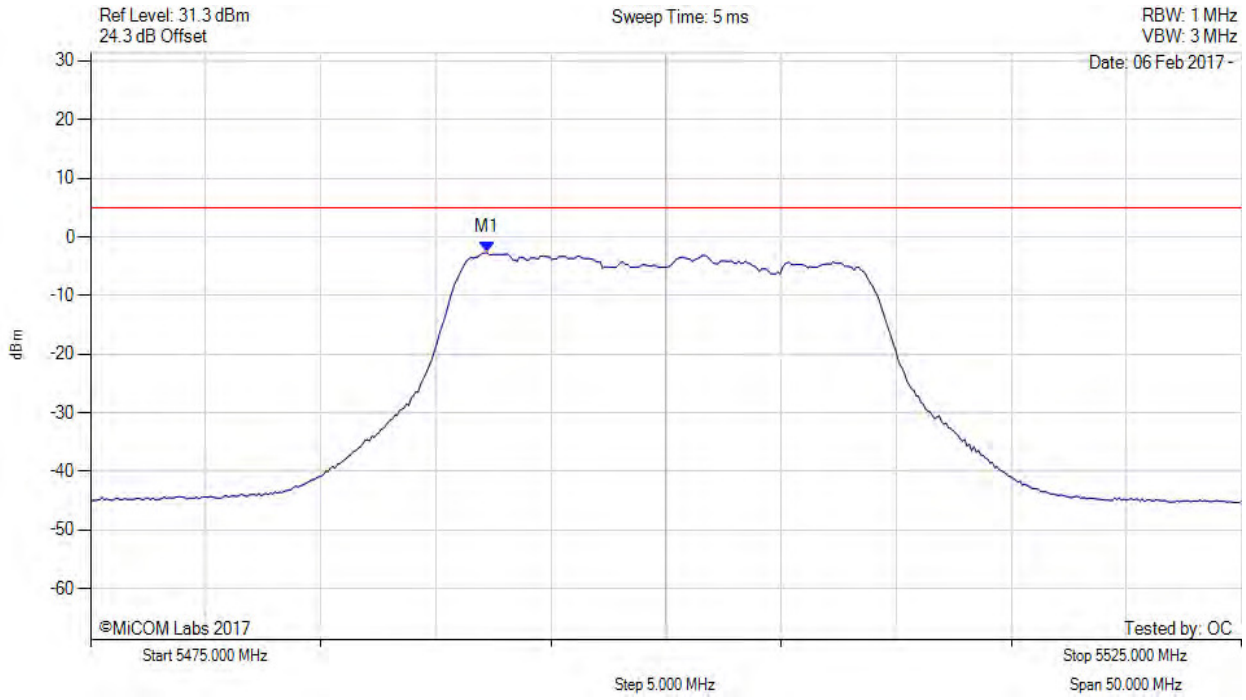
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5496.643 MHz : -4.306 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



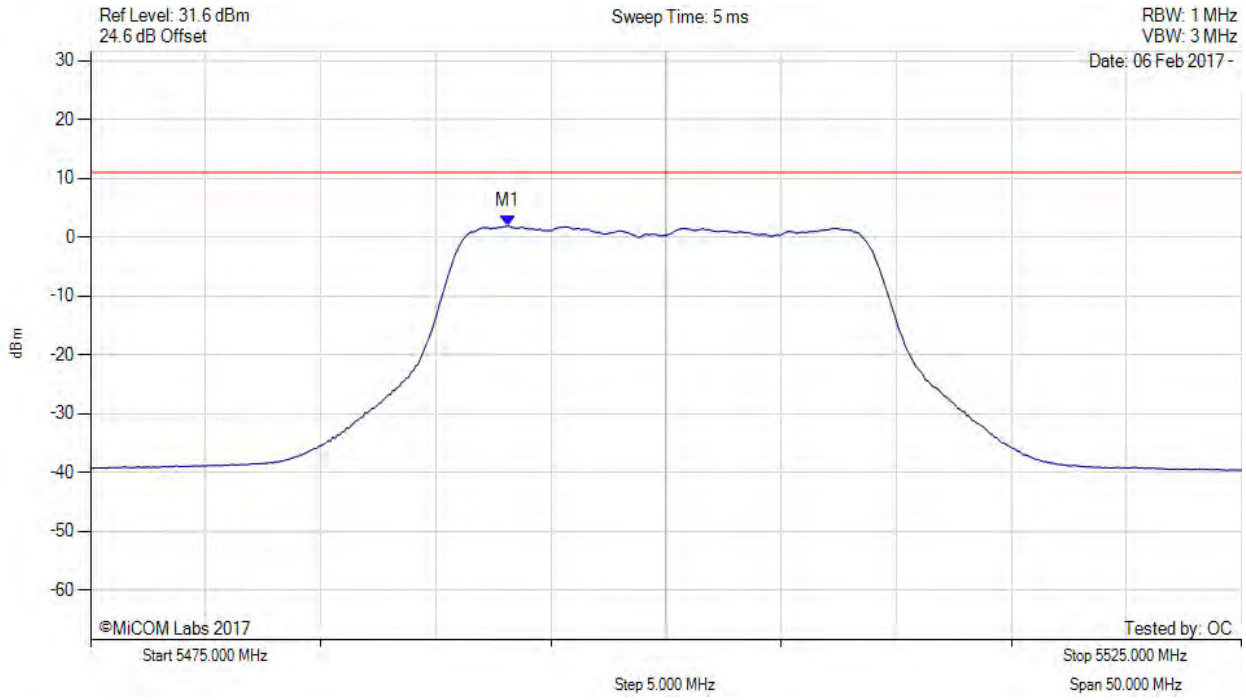
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5492.234 MHz : -2.677 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



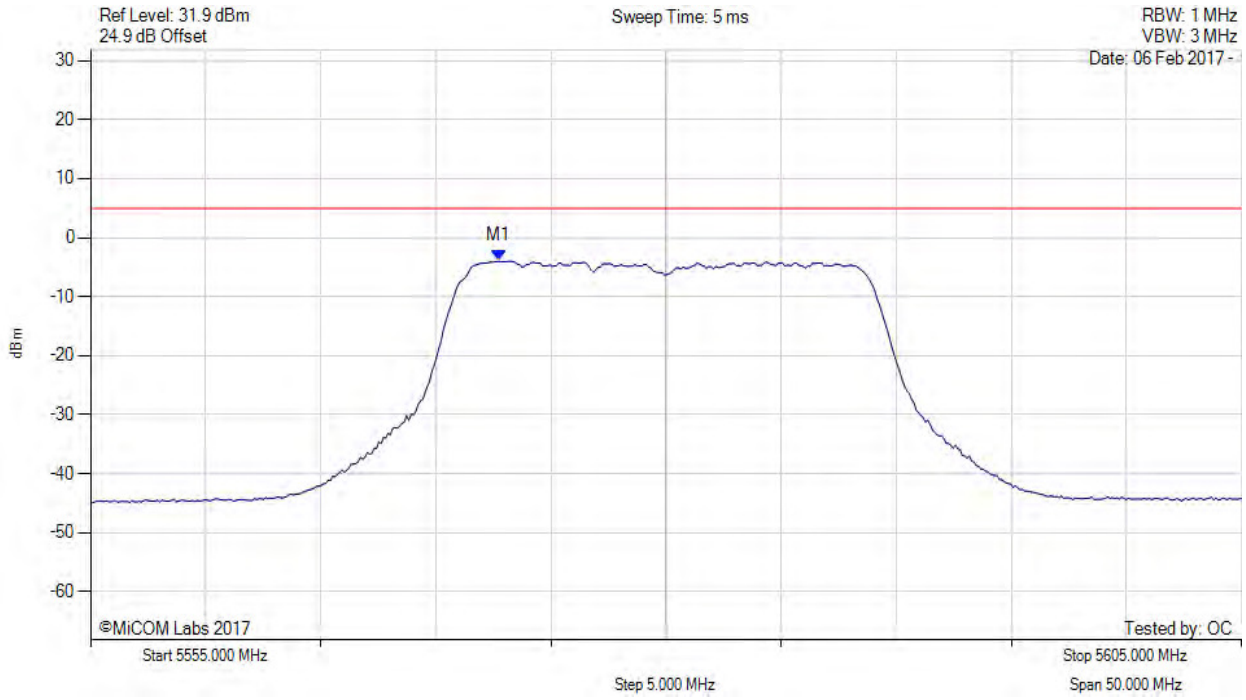
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5493.100 MHz : 1.921 dBm M1 + DCCF : 5493.100 MHz : 1.965 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 11.0 dBm Margin: -9.1 dB

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POWER SPECTRAL DENSITY

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



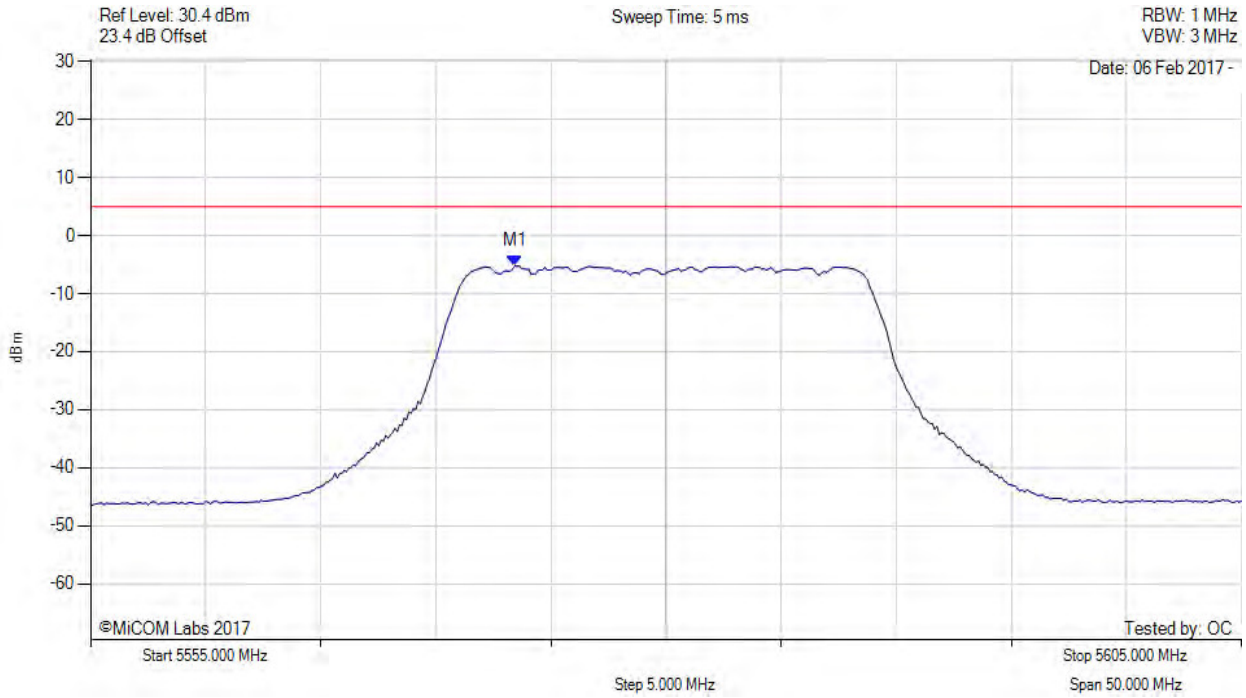
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5572.735 MHz : -3.986 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



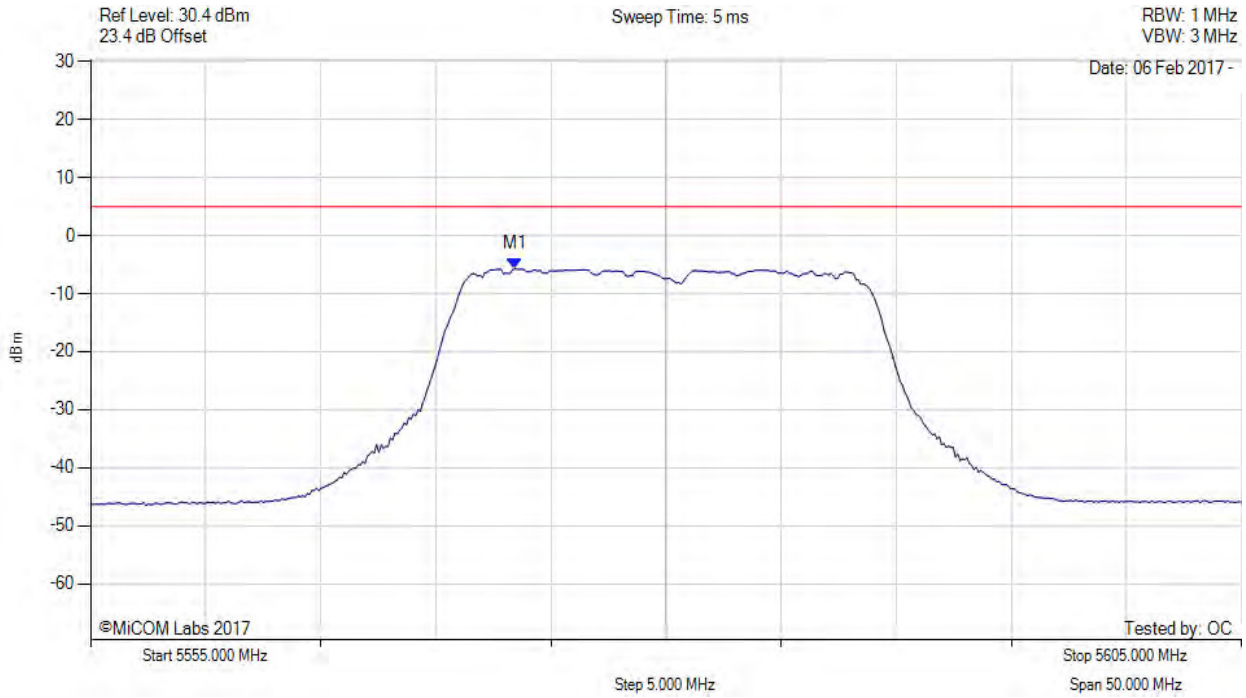
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.437 MHz : -5.216 dBm	Channel Frequency: 5580.00 MHz

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POWER SPECTRAL DENSITY

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



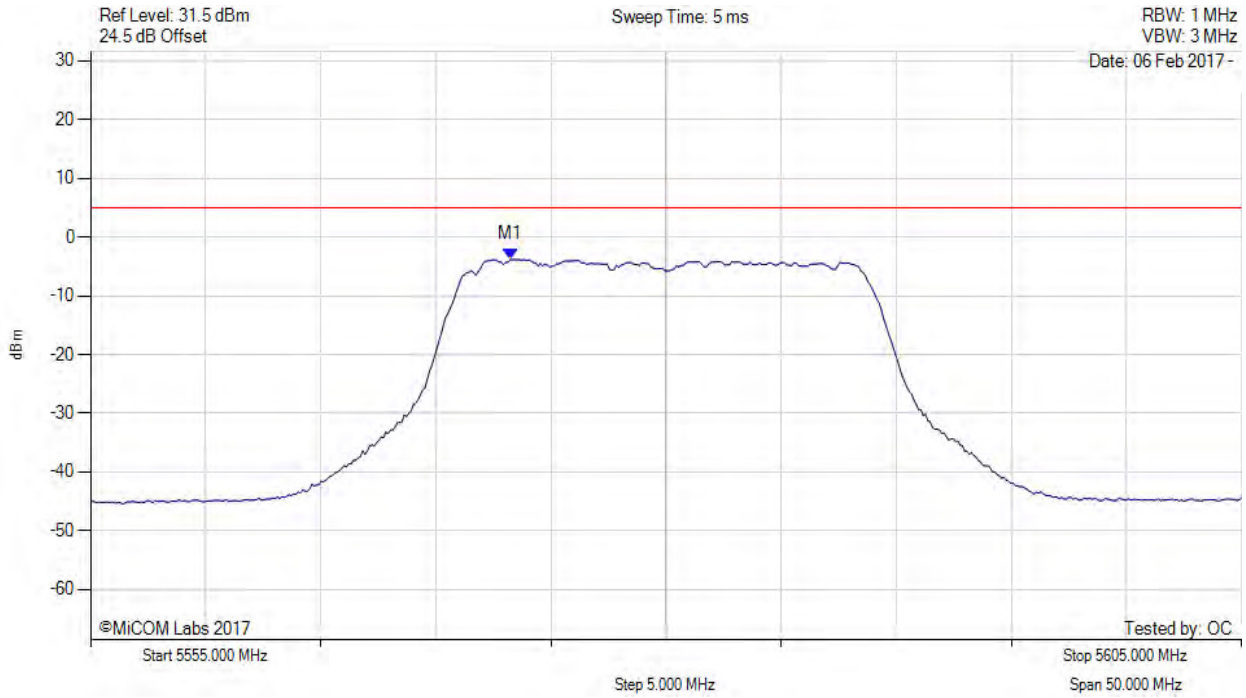
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.437 MHz : -5.714 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



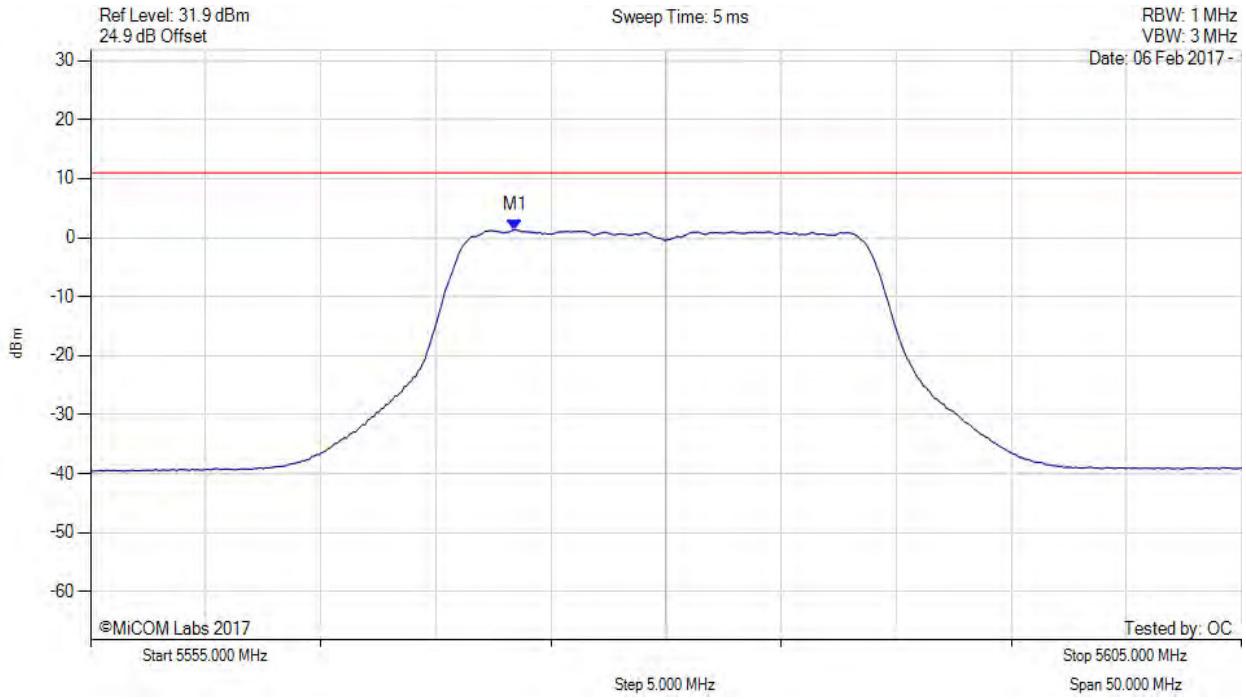
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.236 MHz : -3.816 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



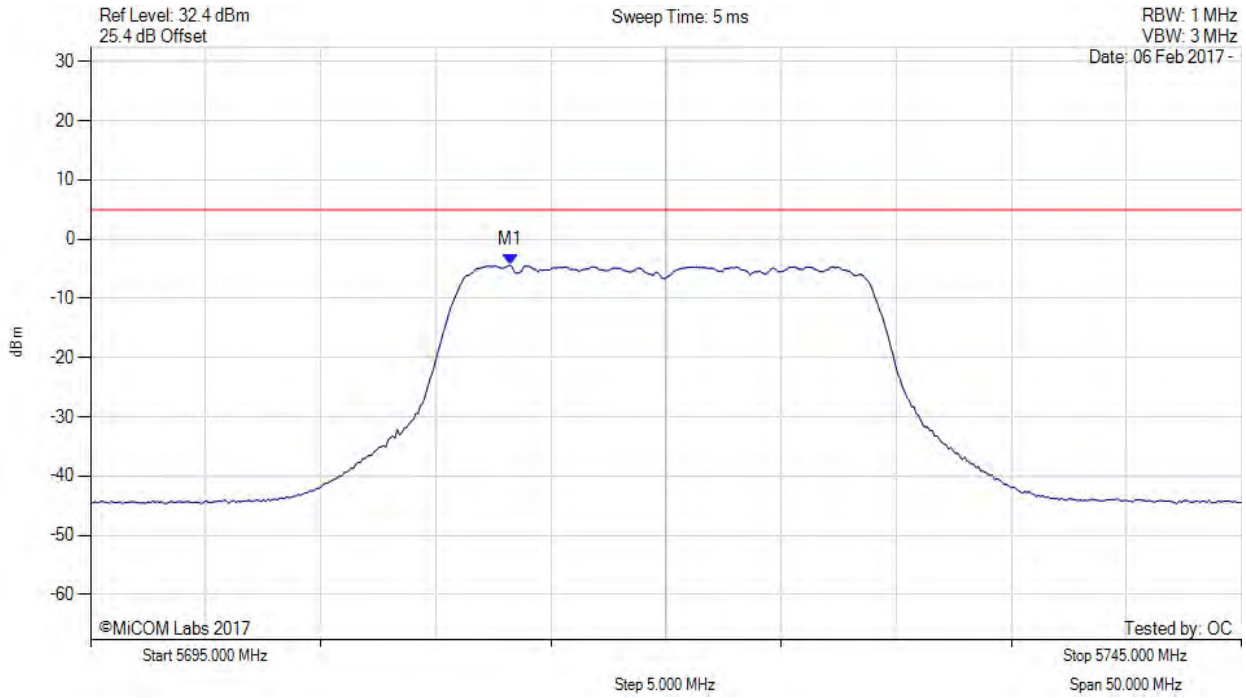
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.400 MHz : 1.353 dBm M1 + DCCF : 5573.400 MHz : 1.397 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 11.0 dBm Margin: -9.6 dB

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POWER SPECTRAL DENSITY

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



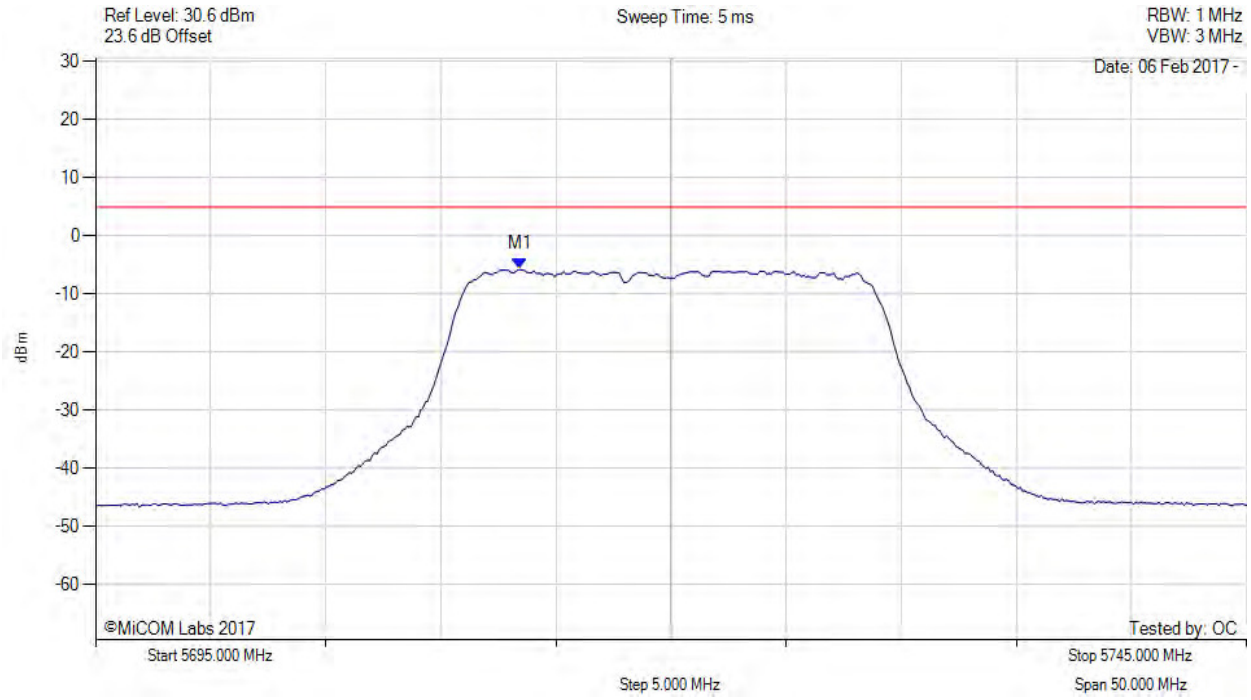
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.236 MHz : -4.374 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



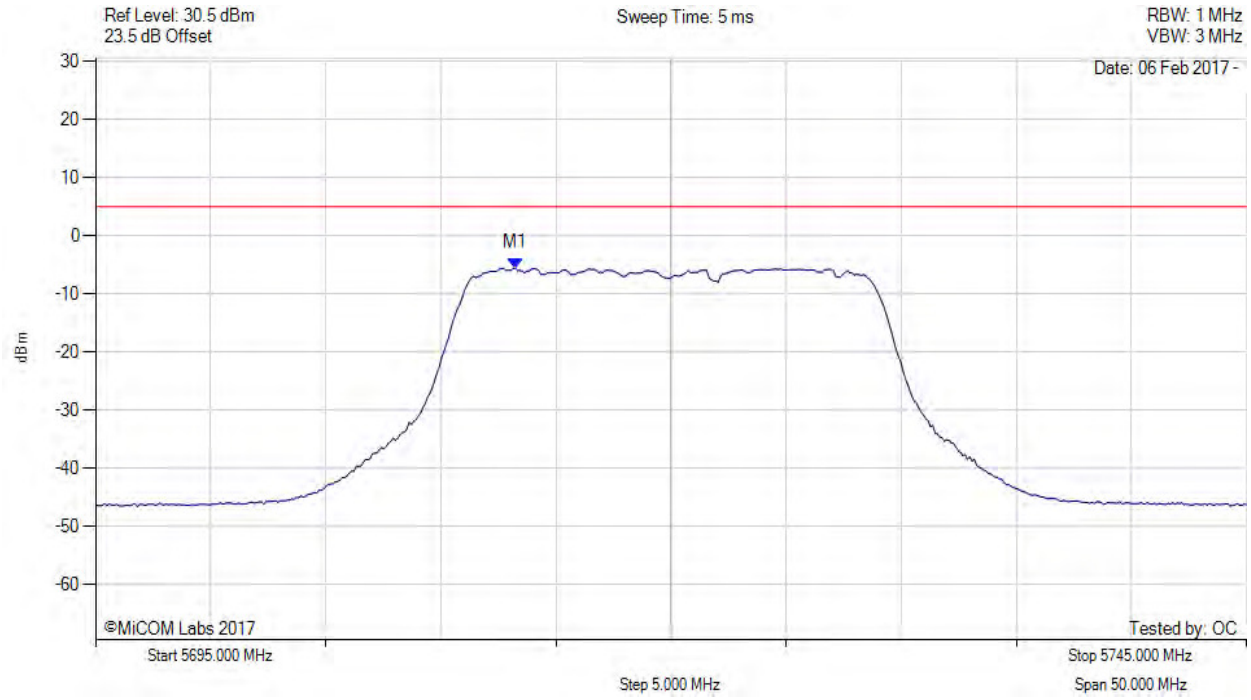
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.437 MHz : -5.781 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



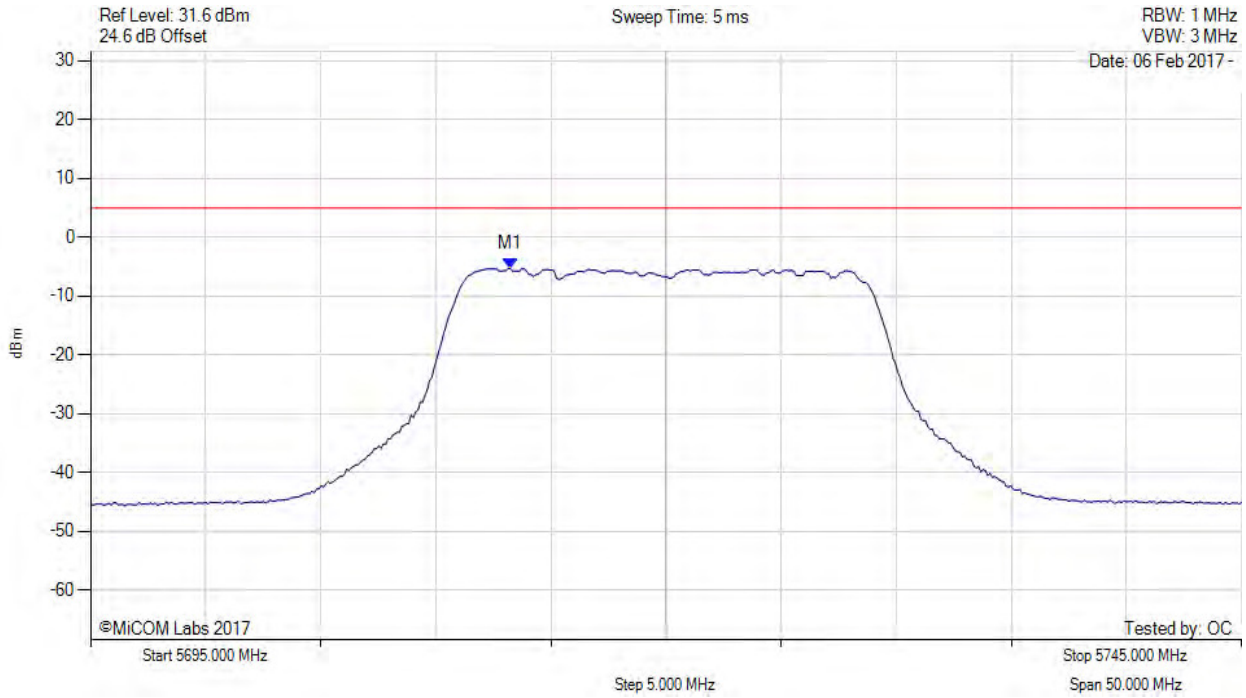
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.236 MHz : -5.579 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



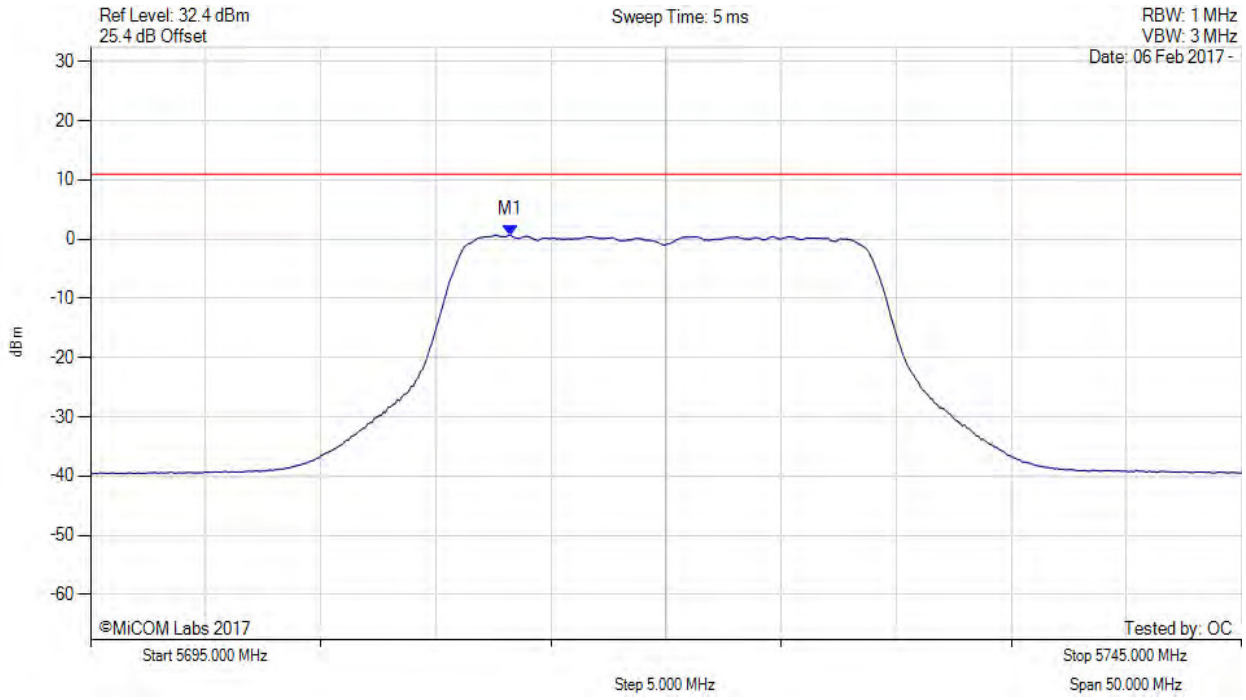
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.236 MHz : -5.322 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



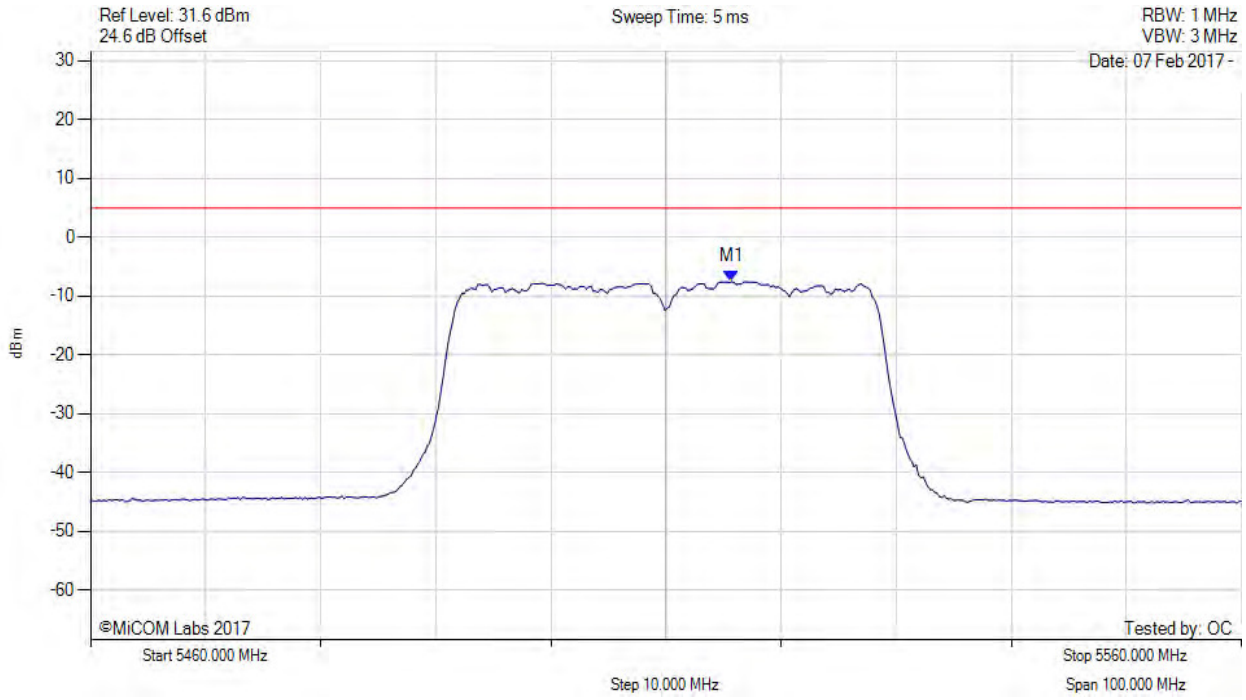
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.200 MHz : 0.705 dBm M1 + DCCF : 5713.200 MHz : 0.749 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 11.0 dBm Margin: -10.3 dB

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POWER SPECTRAL DENSITY

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



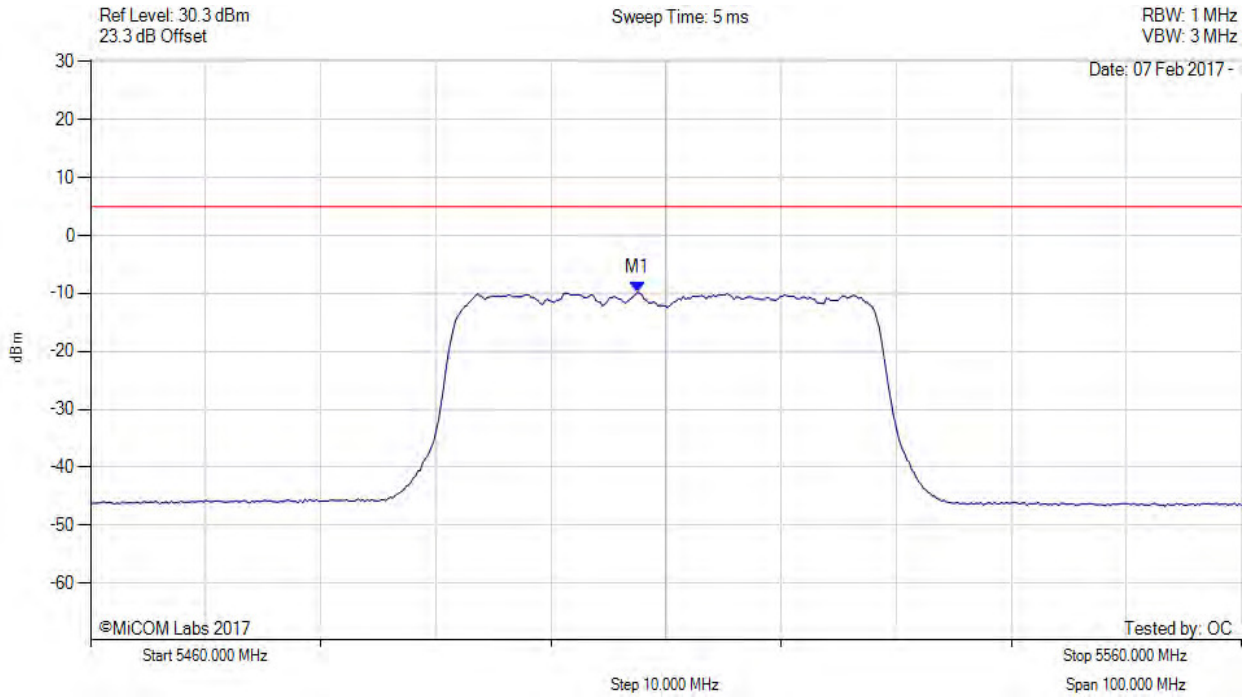
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5515.711 MHz : -7.560 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



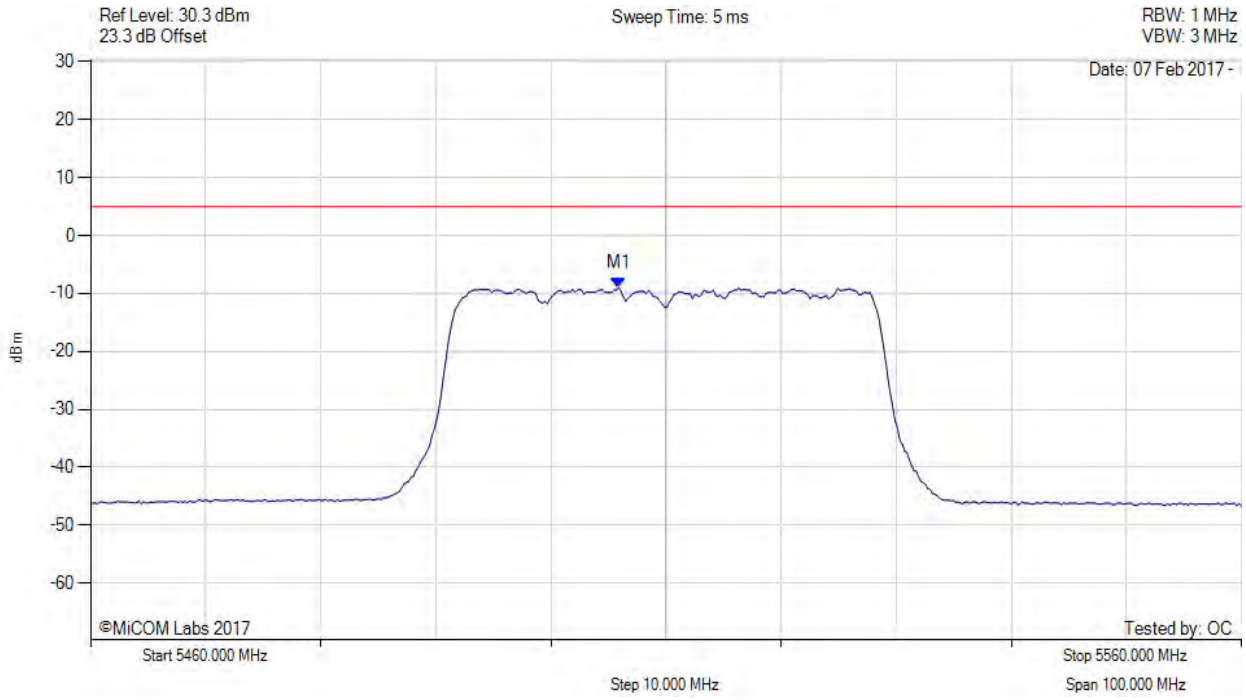
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5507.495 MHz : -9.835 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



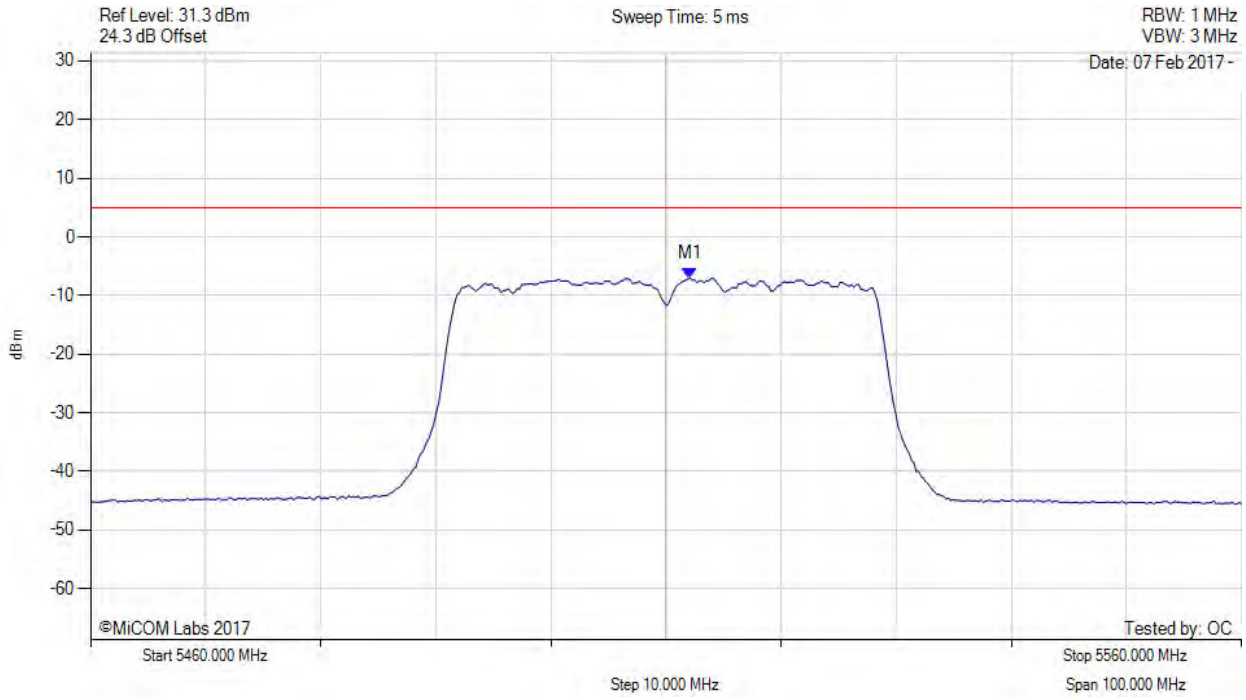
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.892 MHz : -9.034 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



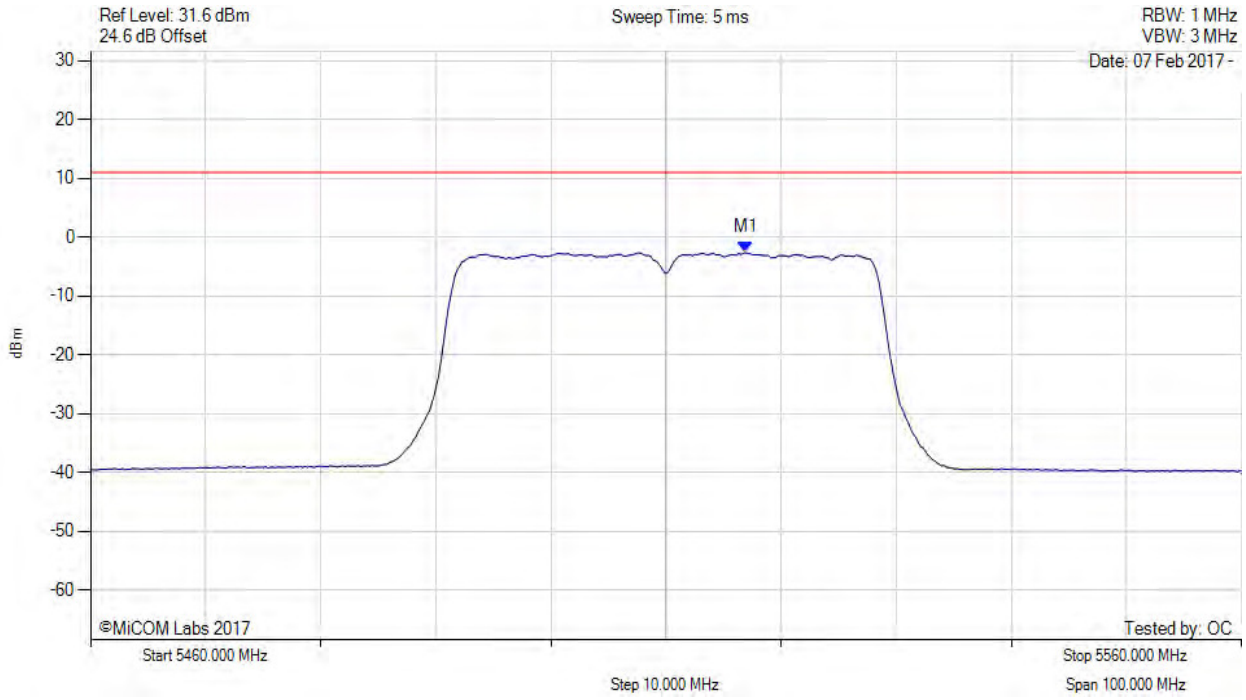
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5512.104 MHz : -7.074 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



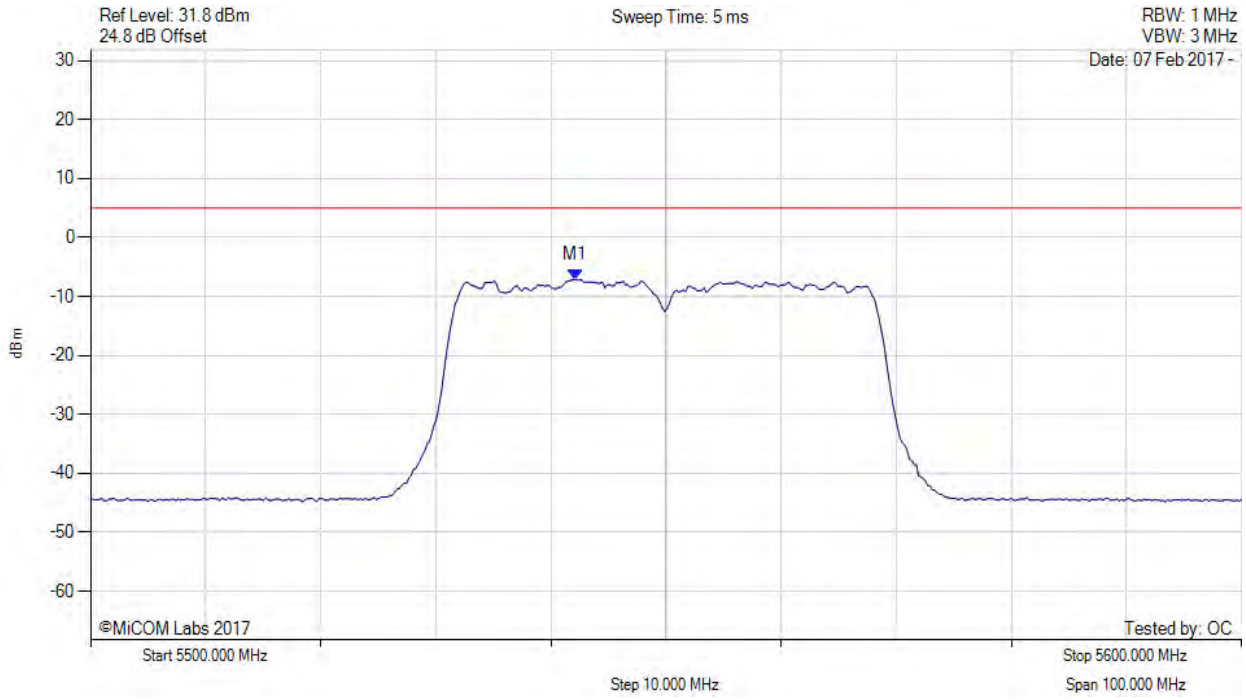
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5516.900 MHz : -2.616 dBm M1 + DCCF : 5516.900 MHz : -2.484 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: ≤ 11.0 dBm Margin: -13.5 dB

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POWER SPECTRAL DENSITY

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



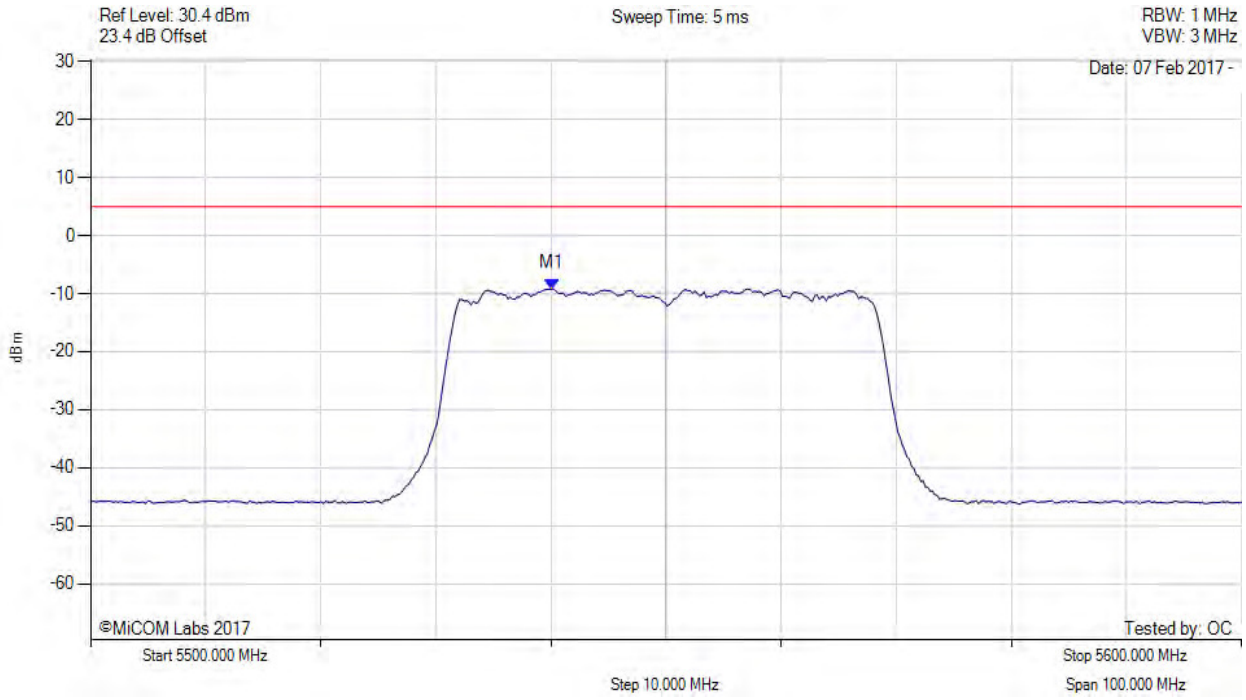
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5542.084 MHz : -7.102 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



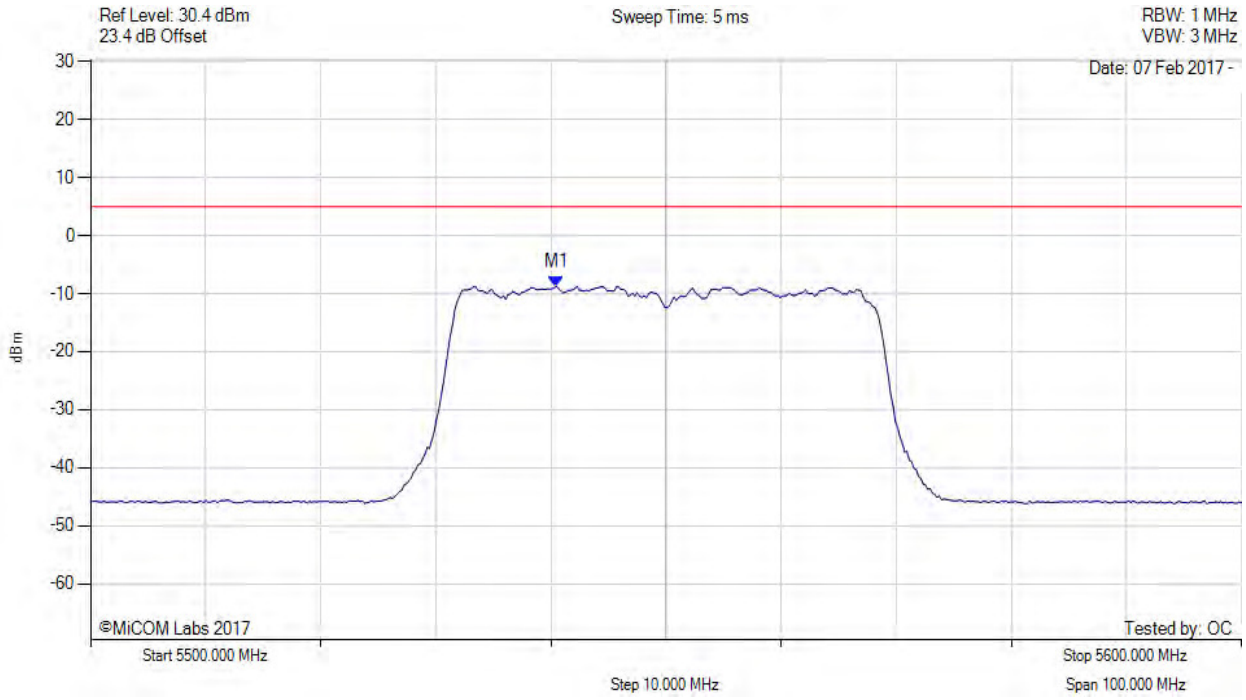
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5540.080 MHz : -9.199 dBm	Channel Frequency: 5550.00 MHz

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POWER SPECTRAL DENSITY

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



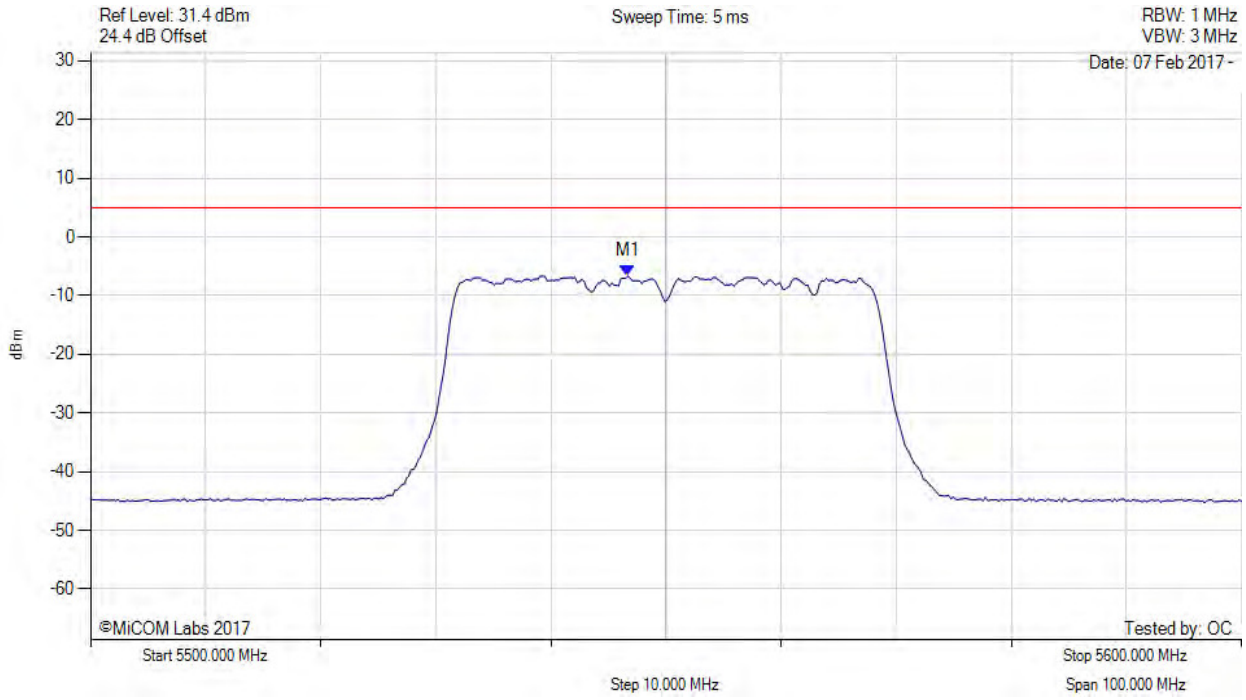
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5540.481 MHz : -8.736 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



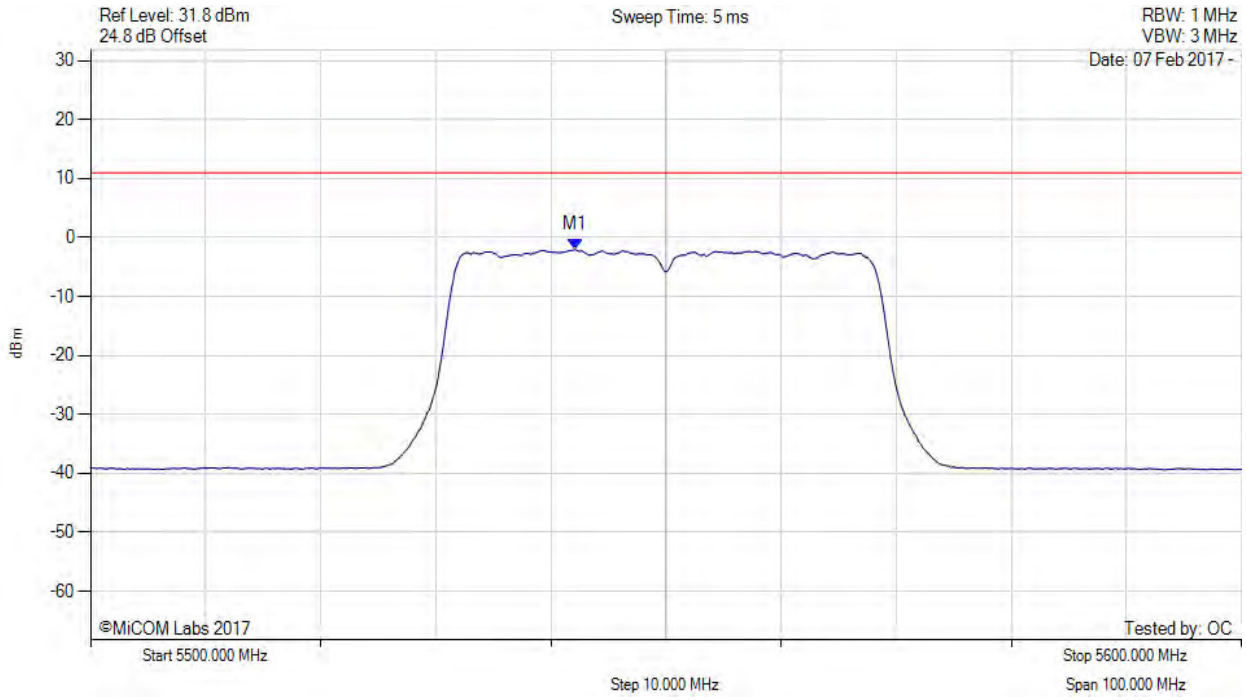
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5546.693 MHz : -6.659 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



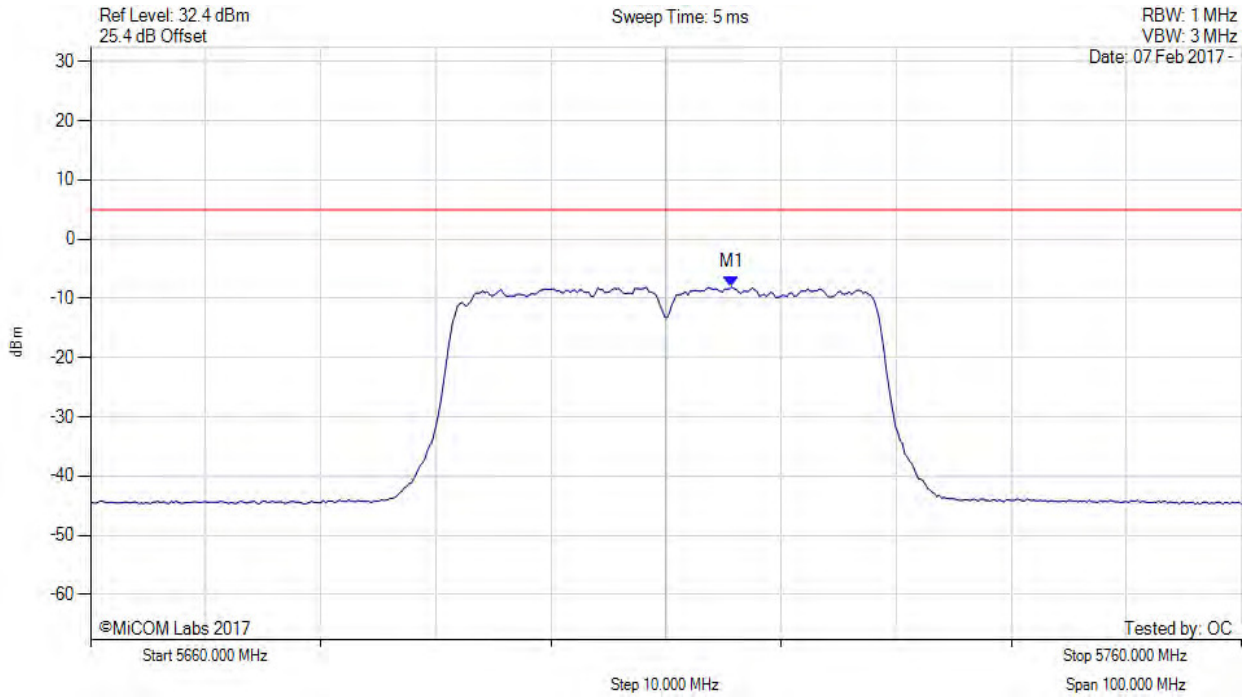
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5542.100 MHz : -2.028 dBm M1 + DCCF : 5542.100 MHz : -1.896 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: ≤ 11.0 dBm Margin: -12.9 dB

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POWER SPECTRAL DENSITY

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



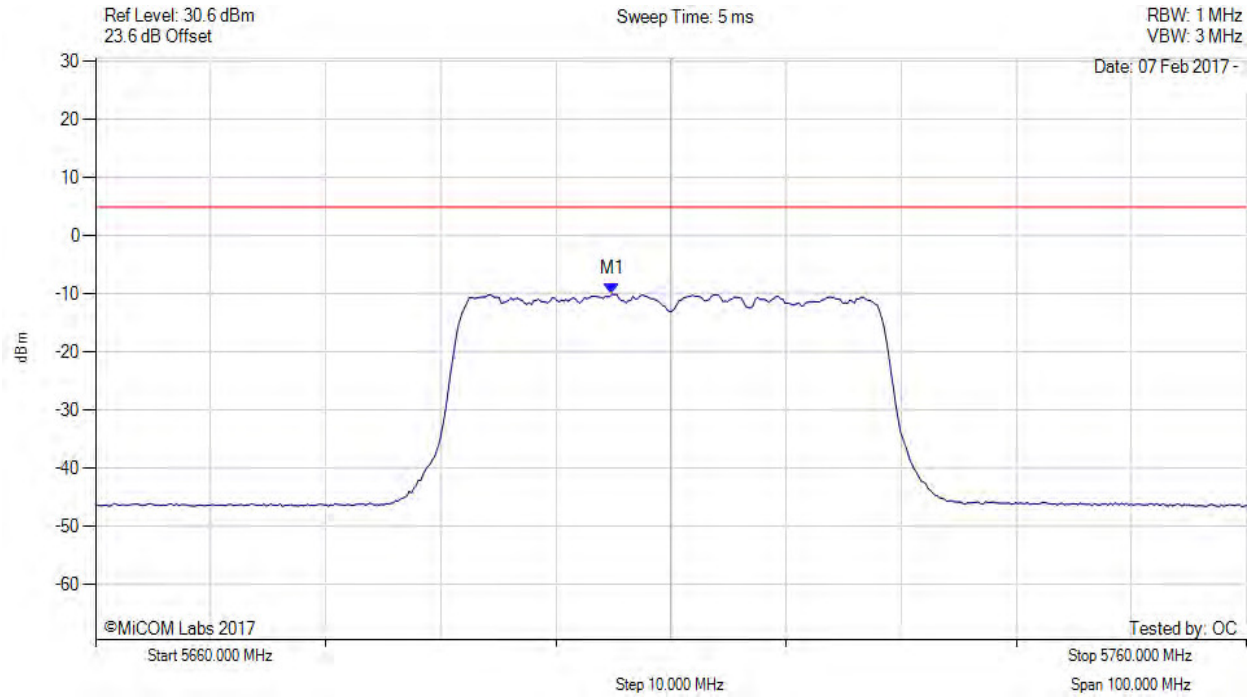
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5715.711 MHz : -8.082 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



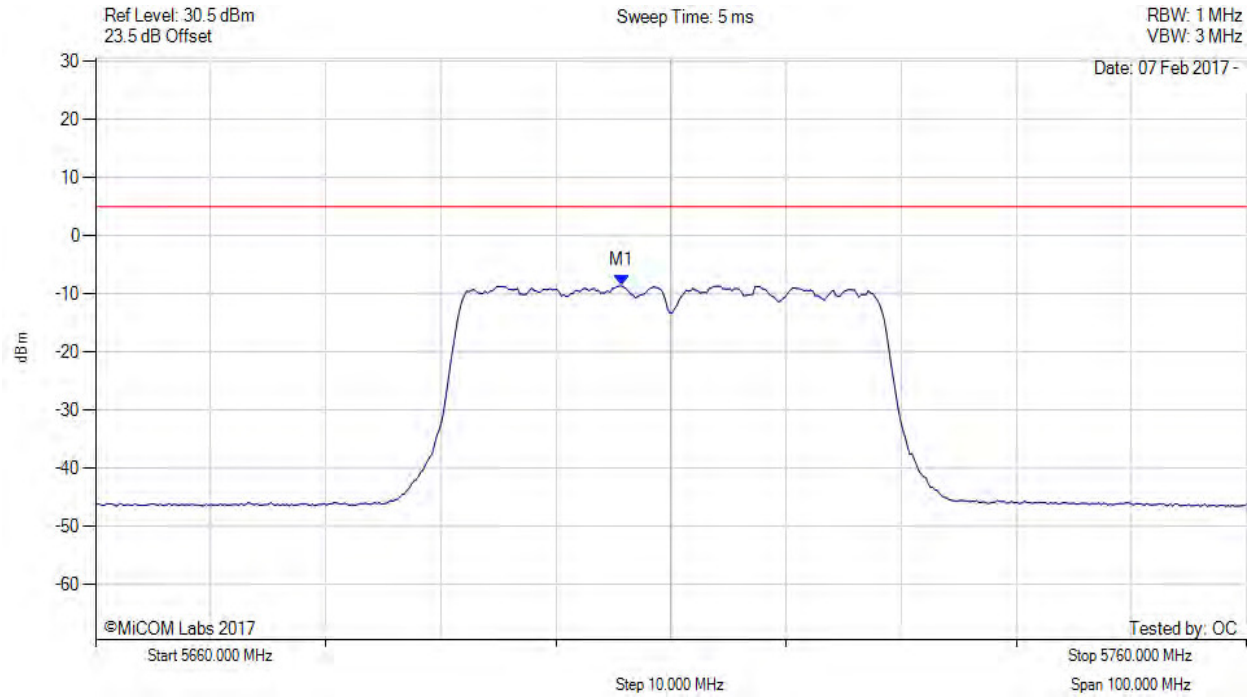
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5704.890 MHz : -10.017 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



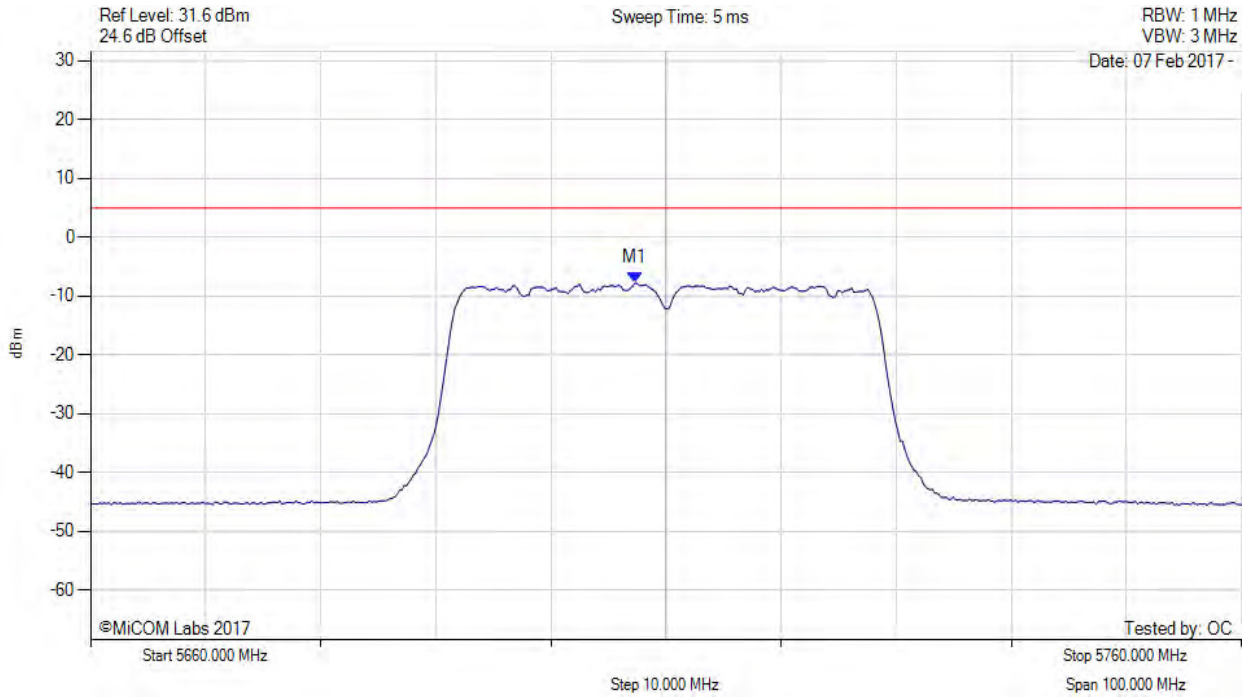
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5705.691 MHz : -8.600 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



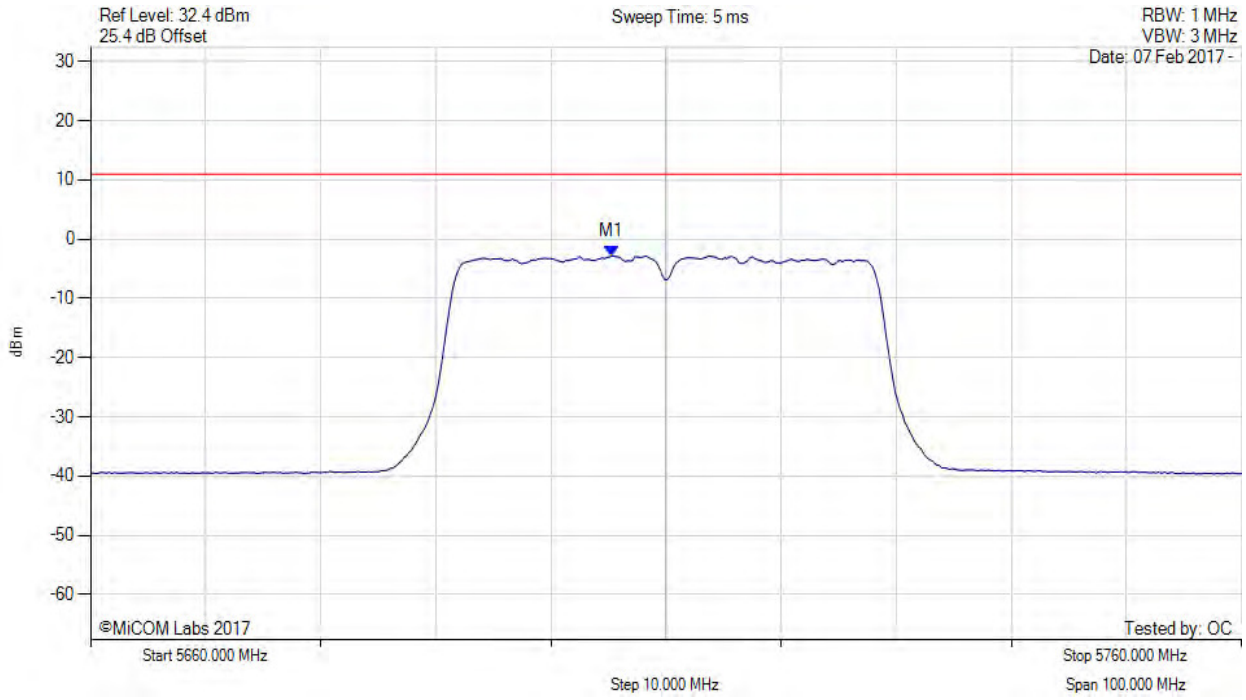
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.295 MHz : -7.824 dBm	Limit: ≤ 4.980 dBm

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POWER SPECTRAL DENSITY

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



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5705.300 MHz : -2.816 dBm M1 + DCCF : 5705.300 MHz : -2.684 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: ≤ 11.0 dBm Margin: -13.7 dB

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