CONDUCTED#1 ADDENDUM

Test of: Sonos, Inc S26

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: SONO01-U9_Conducted#1 Rev A

This report supersedes: NONE

Generated Reports	Document Number
Master:	☐SONO01-U9_Master
Conducted:	☒ SONO01-U9_Conducted#1_Addendum
	☐ SONO01-U9_Conducted#2_Addendum
Radiated:	☐ SONO01-U9_Radiated_Addendum
DFS:	☐ SONO01-U9_DFS_Addendum

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1. TEST SUMMARY

List of Measurements

Test Header	Result	Data Link
Maximum Conducted Output Power	Complies	View Data
26 dB & 99% Bandwidth	Complies	View Data
6 dB & 99% Bandwidth (Limited to 5.725 – 5.850 GHz Frequency Band)	Complies	View Data

NOTE: In this report antenna chains are reported as chains 'a' through 'd'. This is equivalent to CH0-CH3 on all Sonos documentation.

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2. TEST RESULTS

2.1. Control of Test Item

The EUT was controlled via the Sonos GUI. This gave access to operational channels, output power and antenna port activation. As the device was a 4x4 MIMO all the antenna ports were activated to operate simultaneously during conducted and radiated testing.

The power setting reported in Section 9.3 Conducted Output Power is the final power setting found in order to prove compliance for radiated and conducted testing for the Sonos S26.

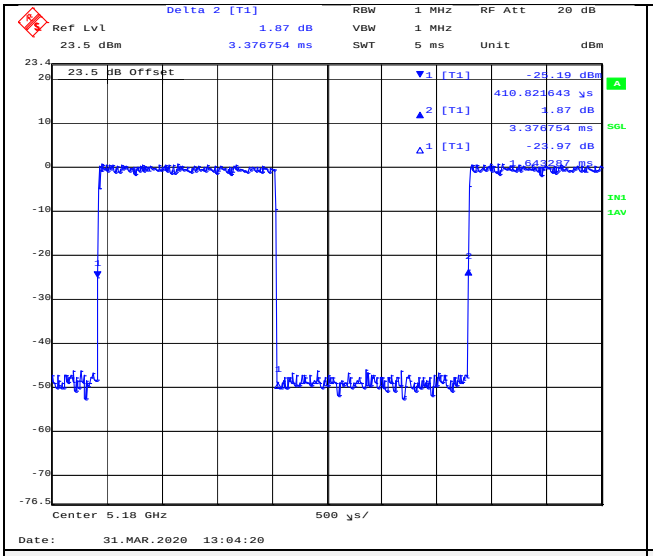
Output Power

In the case of average power measurements an average power sensor was utilized using connected to each antenna port. Power measurements on all ports were measured simultaneously, the EUT was set to transmit maximum power during the test program (compliant power setting logged for each test mode). The duty cycle correction factor was used to correct all power readings.

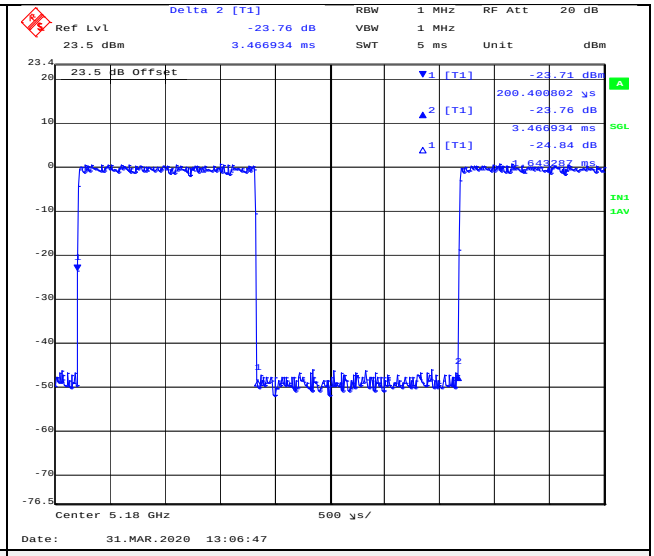
The lowest data rate for each operational mode was used to exercise the test sample.

2.2. Operational Mode Duty Cycle(s)

Results for system Duty Cycle for the following configurations are measured and reported below:



802.11a 6 Mbit/s – Duty Cycle 49.6%



802.11n HT-20 2 Mbit/s – Duty Cycle 48.7%

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2.3. Maximum Conducted Output 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) (1), (2), (3)	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Normative References		

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

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

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

Limits Maximum Conducted Output Power

Operating Frequency Band 5150-5250 MHz

15. 407 (a)(1)
(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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

Operating Frequency Band 5250-5350 and 5470 – 5725 MHz

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

Operating Frequency Band 5725 – 5850 MHz

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

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11a	**Duty Cycle (%):**	49.6
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	6.29
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (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	
5180.0	16.11	16.42	15.99	16.13	22.19	Not Applicable	23.71	-1.52	17.00
5200.0	15.62	15.88	15.51	15.67	21.69	Not Applicable	23.71	-2.02	16.50
5240.0	15.87	15.38	15.21	16.60	21.82	Not Applicable	23.71	-1.89	16.50

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

The above measurements include the Duty Cycling Correction Factor of 3.05 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5150 -5250 MHz frequency band
Chain a = 2.1 dBi
Chain b = 2.8 dBi (cross polarized)
Chain c = 0.7 dBi
Chain d = 1.7 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Limit Calculation
Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the Conducted Power Limit is calculated to be 24 – (6.29 – 6)) = 23.71 dBm

Conducted Power Limit 23.71 dBm

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	48.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	6.29
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (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	
5180.0	16.29	16.64	15.38	16.51	22.25	Not Applicable	23.71	-1.46	17.50
5200.0	16.38	16.71	16.22	16.42	22.46	Not Applicable	23.71	-1.25	17.50
5240.0	16.38	16.34	15.92	16.70	22.36	Not Applicable	23.71	-1.35	17.50

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

The above measurements include the Duty Cycling Correction Factor of 3.12 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5150 -5250 MHz frequency band
Chain a = 2.1 dBi
Chain b = 2.8 dBi (cross polarized)
Chain c = 0.7 dBi
Chain d = 1.7 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Limit Calculation
Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the Conducted Power Limit is calculated to be 24 – (6.29 – 6)) = 23.71 dBm

Conducted Power Limit 23.71 dBm

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11a	**Duty Cycle (%):**	49.5
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	6.63
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (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	16.27	16.65	15.99	15.84	22.22	28.697	23.37	-1.15	17.50
5300.0	16.25	16.32	16.26	15.66	22.15	28.056	23.37	-1.22	17.50
5320.0	16.47	16.47	16.22	15.89	22.29	29.499	23.37	-1.08	17.00

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

The above measurements include the Duty Cycling Correction Factor of 3.05 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5250 -5350 MHz frequency band
Chain a = 1.1 dBi
Chain b = 3.6 dBi (cross polarized)
Chain c = 2.7 dBi
Chain d = 1.7 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Limit Calculation
Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the Conducted Power Limit is calculated to be 24 – (6.63 – 6)) = 23.37 dBm

Conducted Power Limit 23.37 dBm

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	48.8
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	6.63
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (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	15.48	15.99	15.10	14.99	21.43	27.174	23.37	-1.94	16.50
5300.0	15.53	15.74	15.39	15.06	21.46	23.647	23.37	-1.91	16.50
5320.0	15.62	15.68	15.47	14.99	21.47	23.567	23.37	-1.90	16.50

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

The above measurements include the Duty Cycling Correction Factor of 3.11 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5250 -5350 MHz frequency band
Chain a = 1.1 dBi
Chain b = 3.6 dBi (cross polarized)
Chain c = 2.7 dBi
Chain d = 1.7 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Limit Calculation
Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the Conducted Power Limit is calculated to be 24 – (6.63 – 6)) = 23.37 dBm

Conducted Power Limit 23.37 dBm

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11a	**Duty Cycle (%):**	50.1
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.81
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (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	15.81	16.38	15.41	16.07	21.95	25.411	24.00	-2.05	17.00
5580.0	15.00	16.67	14.98	16.27	21.82	20.922	24.00	-2.18	18.00
5700.0	14.75	15.34	14.88	15.45	21.14	32.465	24.00	-2.86	18.00

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

The above measurements include the Duty Cycling Correction Factor of 3.00 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5470 -5725 MHz frequency band
Chain a = 0.5 dBi
Chain b = 2.4 dBi (cross polarized)
Chain c = 1.3 dBi
Chain d = 1.3 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the maximum directional gain = 5.81 dBi (< 6 dBi)

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	50.1
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.81
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (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	16.40	16.83	15.60	16.36	22.34	22.525	24.00	-1.66	17.00
5580.0	15.24	16.44	14.81	16.46	21.82	22.685	24.00	-2.18	18.00
5700.0	16.34	16.74	16.20	16.80	22.55	30.862	24.00	-1.45	17.50

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

The above measurements include the Duty Cycling Correction Factor of 3.00 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5470 -5725 MHz frequency band
Chain a = 0.5 dBi
Chain b = 2.4 dBi (cross polarized)
Chain c = 1.3 dBi
Chain d = 1.3 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the maximum directional gain = 5.81 dBi (< 6 dBi)

Equipment Configuration for Maximum Conducted Output Power			
Variant:	802.11a	**Duty Cycle (%):**	49.2
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 6 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5745.0	17.30	17.97	17.41	18.09	23.73	Not Applicable	30.00	-6.27	18.50
5785.0	17.60	18.14	17.25	18.23	23.84	Not Applicable	30.00	-6.16	18.50
5825.0	16.99	17.79	17.09	17.62	23.41	Not Applicable	30.00	-6.59	18.50

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

The above measurements include the Duty Cycling Correction Factor of 3.08 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5725 -5850 MHz frequency band
Chain a = 0.2 dBi
Chain b = 0.6 dBi (cross polarized)
Chain c = 1.8 dBi
Chain d = 1.3 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the maximum directional gain = 5.90 dBi (< 6 dBi)

Equipment Configuration for Maximum Conducted Output Power

Variant:	802.11n HT-20	**Duty Cycle (%):**	48.9
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 6 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5745.0	16.86	17.80	17.13	17.78	23.43	Not Applicable	30.00	-6.57	18.50
5785.0	17.15	17.93	16.98	17.81	23.51	Not Applicable	30.00	-6.49	18.50
5825.0	16.53	17.57	16.81	17.57	23.16	Not Applicable	30.00	-6.84	18.50

Traceability to Industry Recognized Test Methodologies

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

The above measurements include the Duty Cycling Correction Factor of 3.11 dB

Above recorded powers incorporate any reduction in power levels brought about as a result of radiated spurious emissions and radiated band-edge testing.

The above power setting was utilized throughout the conducted and radiated testing

Antenna Gains for the 5725 - 5850 MHz frequency band
Chain a = 0.2 dBi
Chain b = 0.6 dBi (cross polarized)
Chain c = 1.8 dBi
Chain d = 1.3 dBi

Manufacturer declared correlation with antenna chains a, c, d. As the antenna gains are unequal KDB 662911 DO1 was used to calculate the EIRP limit.

Based on FCC KDB 662911 Multiple Transmitter Output Section F) 2) d) (i) Unequal antenna gains, with equal transmit powers, for antenna gains given by G1, G2, …, GN dBi the maximum directional gain = 5.90 dBi (< 6 dBi)

2.4. 26 dB & 99% Bandwidth

Conducted Test Conditions for 26 dB and 99% Bandwidth			
Standard:	FCC CFR 47:15.407	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	26 dB and 99 % Bandwidth	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	15.407 (a)	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for 26 dB and 99% Bandwidth Measurement
The bandwidth at 26 dB and 99 % is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency. The Resolution Bandwidth was set to approximately 1% of the emission bandwidth.
Testing was performed under ambient conditions at nominal voltage. Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured and reported.

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11a	**Duty Cycle (%):**	49.6
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	6.29
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	35.752	33.988	32.224	32.625	35.752	32.224		
5200.0	34.629	34.068	31.182	28.377	34.629	28.377		
5240.0	34.469	27.976	25.812	30.381	34.469	25.812		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	18.437	18.036	17.796	17.715	18.437	17.715		
5200.0	18.116	17.876	17.635	17.635	18.116	17.635		
5240.0	18.116	17.715	17.475	17.475	18.116	17.475		

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

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11n HT-20	**Duty Cycle (%):**	48.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	6.29
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	35.030	30.541	30.621	29.659	35.030	29.659		
5200.0	38.557	29.659	32.224	31.263	38.557	29.659		
5240.0	39.038	30.060	27.255	30.140	39.038	27.255		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	18.838	18.437	18.437	18.437	18.838	18.437		
5200.0	18.918	18.357	18.437	18.357	18.918	18.357		
5240.0	19.078	18.437	18.357	18.357	19.078	18.357		

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

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11a	**Duty Cycle (%):**	49.5
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	6.63
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	32.625	31.423	28.697	29.980	32.625	28.697		
5300.0	40.591	32.224	28.056	29.499	40.591	28.056		
5320.0	39.118	31.503	31.423	29.499	39.118	29.499		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	18.196	18.517	18.357	18.357	18.517	18.196		
5300.0	19.118	18.437	18.357	18.357	19.118	18.357		
5320.0	19.238	18.597	18.437	18.437	19.238	18.437		

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

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11n HT-20	**Duty Cycle (%):**	48.8
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	6.63
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	34.228	30.541	27.174	30.220	34.228	27.174		
5300.0	31.583	23.647	24.449	27.014	31.583	23.647		
5320.0	33.427	26.453	23.567	24.689	33.427	23.567		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	18.838	18.517	18.357	18.437	18.838	18.357		
5300.0	18.517	18.277	18.277	18.277	18.517	18.277		
5320.0	18.677	18.277	18.277	18.277	18.677	18.277		

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

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11a	**Duty Cycle (%):**	50.1
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.81
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	34.068	34.549	25.411	27.896	34.549	25.411		
5580.0	30.461	32.866	20.922	30.461	32.866	20.922		
5700.0	32.465	37.916	33.026	34.950	37.916	32.465		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	18.116	18.196	17.395	17.635	18.196	17.395		
5580.0	17.956	18.036	17.395	17.635	18.036	17.395		
5700.0	18.517	20.120	17.876	18.277	20.120	17.876		

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

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11n HT-20	**Duty Cycle (%):**	50.1
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.81
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	35.912	35.190	22.525	27.014	35.912	22.525		
5580.0	35.110	35.110	22.685	28.537	35.110	22.685		
5700.0	37.515	31.102	30.862	32.866	37.515	30.862		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	18.838	18.998	18.116	18.357	18.998	18.116		
5580.0	18.838	18.838	18.116	18.357	18.838	18.116		
5700.0	18.838	18.517	18.437	18.517	18.838	18.437		

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).

2.5. 6 dB & 99% Bandwidth

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

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

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

Equipment Configuration for 6 dB & 99% Bandwidth			
Variant:	802.11a	**Duty Cycle (%):**	49.2
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 6 dB Bandwidth (MHz) Port(s)				6 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	16.513	16.513	16.513	16.673	16.673	16.513		
5785.0	16.513	16.513	16.593	16.593	16.593	16.513		
5825.0	16.593	16.593	16.593	16.593	16.593	16.593		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	21.483	21.964	18.196	19.719	21.964	18.196		
5785.0	20.040	21.323	18.116	19.238	21.323	18.116		
5825.0	19.078	20.922	18.196	18.838	20.922	18.196		

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

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

Equipment Configuration for 6 dB & 99% Bandwidth			
Variant:	802.11n HT-20	**Duty Cycle (%):**	48.9
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 6 dB Bandwidth (MHz) Port(s)				6 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	17.715	17.635	17.635	17.715	17.715	17.635		
5785.0	17.796	17.635	17.715	17.796	17.796	17.635		
5825.0	17.796	17.635	17.796	17.796	17.796	17.635		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	22.605	20.681	18.758	19.639	22.605	18.758		
5785.0	21.162	20.120	18.677	19.319	21.162	18.677		
5825.0	19.800	19.800	18.758	18.918	19.800	18.758		

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

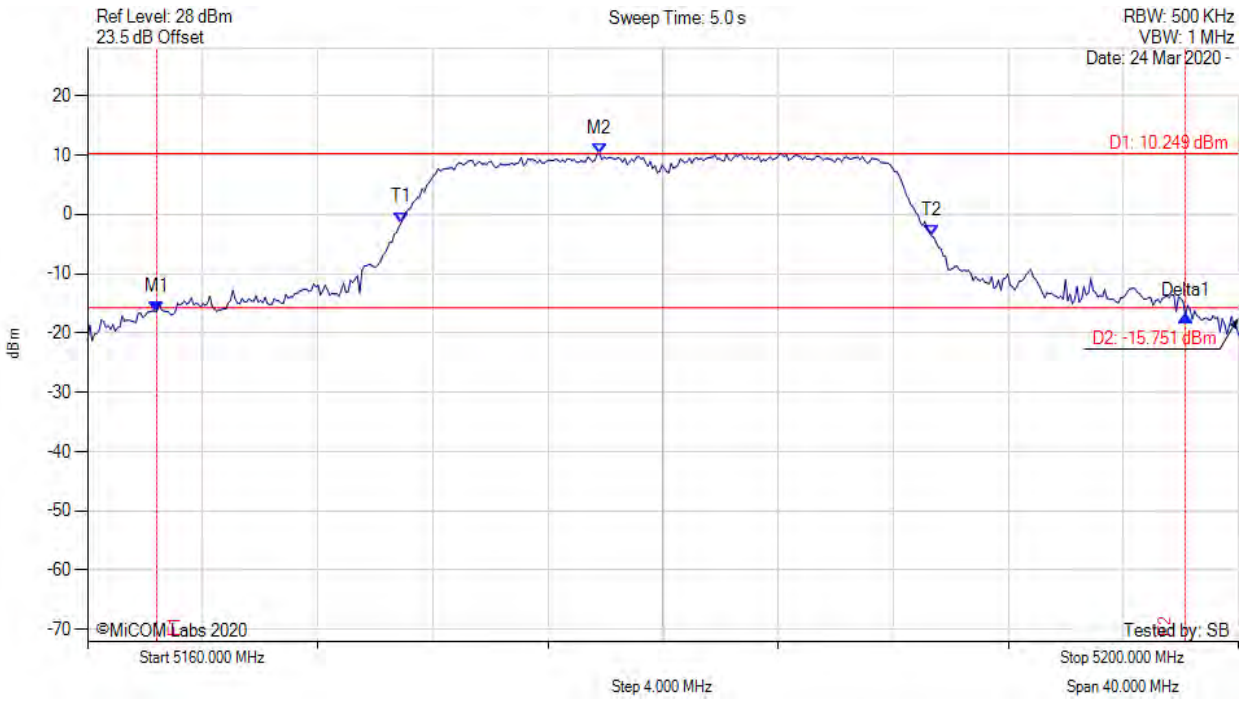
Note: click the links in the above matrix to view the graphical image (plot).

APPENDIX - GRAPHICAL IMAGES

A.1. 26 dB & 99% Bandwidth

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

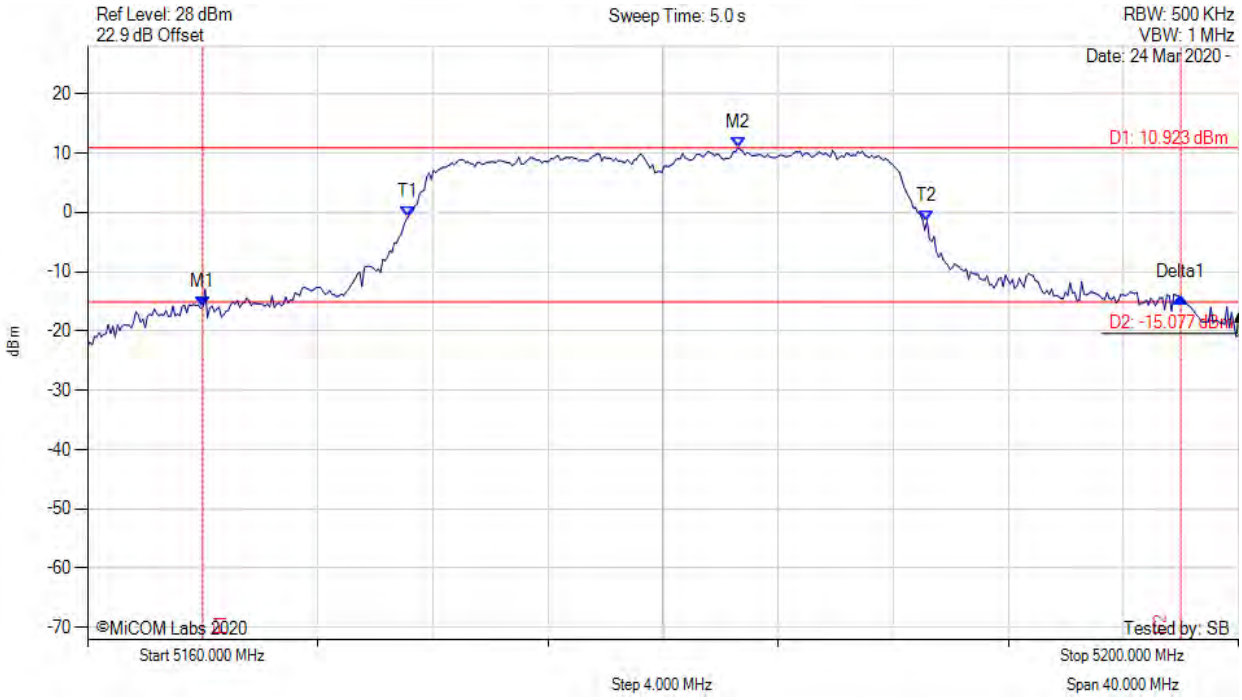


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5162.405 MHz : -16.397 dBm M2 : 5177.796 MHz : 10.249 dBm Delta1 : 35.752 MHz : -0.765 dB T1 : 5170.902 MHz : -1.367 dBm T2 : 5189.339 MHz : -3.639 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 35.752 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

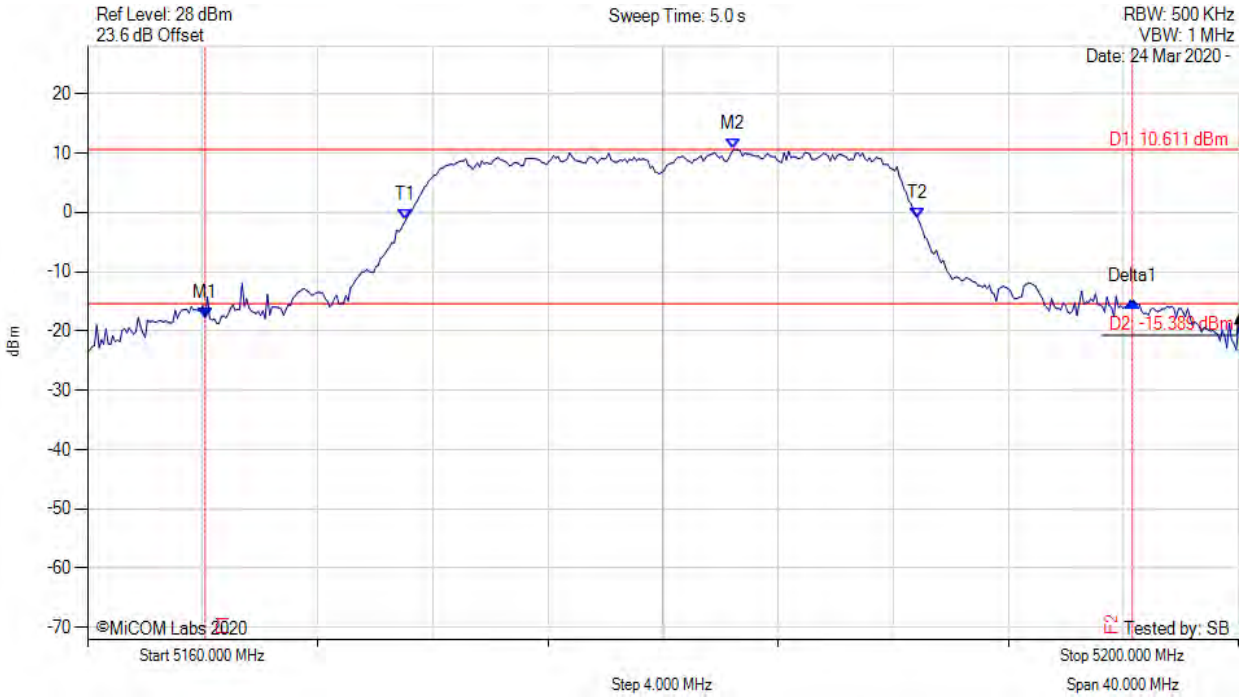


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5164.008 MHz : -15.937 dBm M2 : 5182.605 MHz : 10.923 dBm Delta1 : 33.988 MHz : 1.531 dB T1 : 5171.142 MHz : -0.704 dBm T2 : 5189.178 MHz : -1.432 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 33.988 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

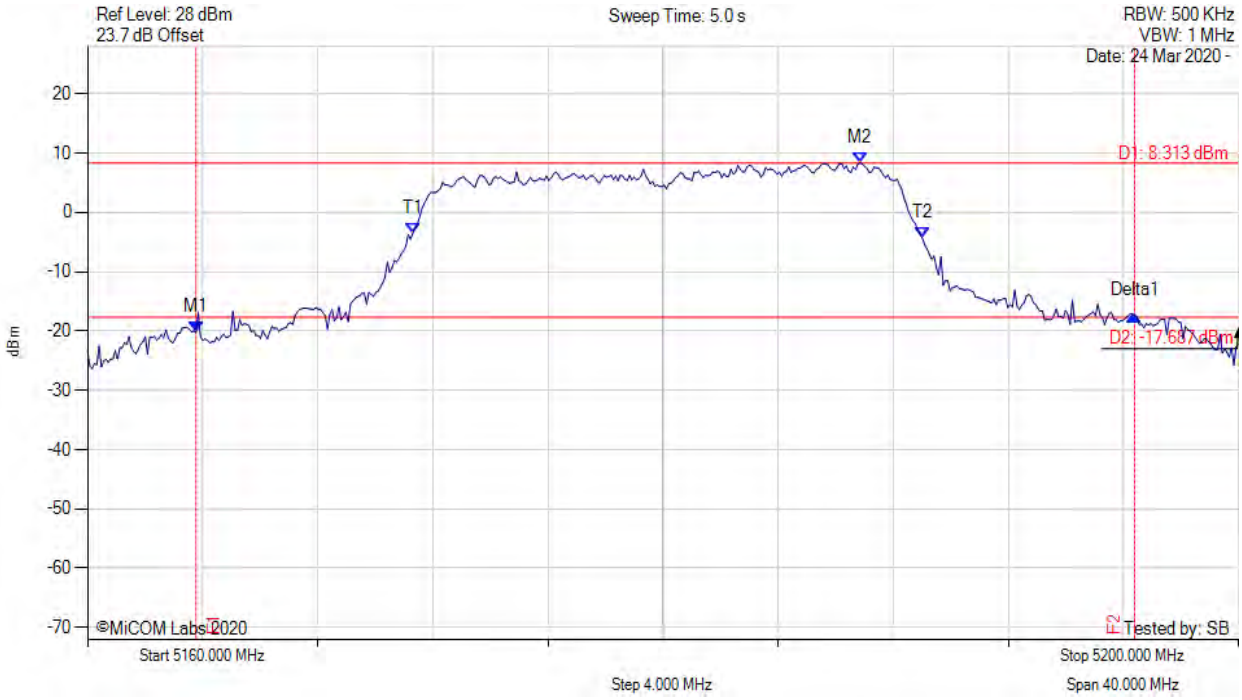


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5164.088 MHz : -17.733 dBm M2 : 5182.445 MHz : 10.611 dBm Delta1 : 32.224 MHz : 2.607 dB T1 : 5171.062 MHz : -1.276 dBm T2 : 5188.858 MHz : -1.097 dBm OBW : 17.796 MHz	Measured 26 dB Bandwidth: 32.224 MHz Measured 99% Bandwidth: 17.796 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

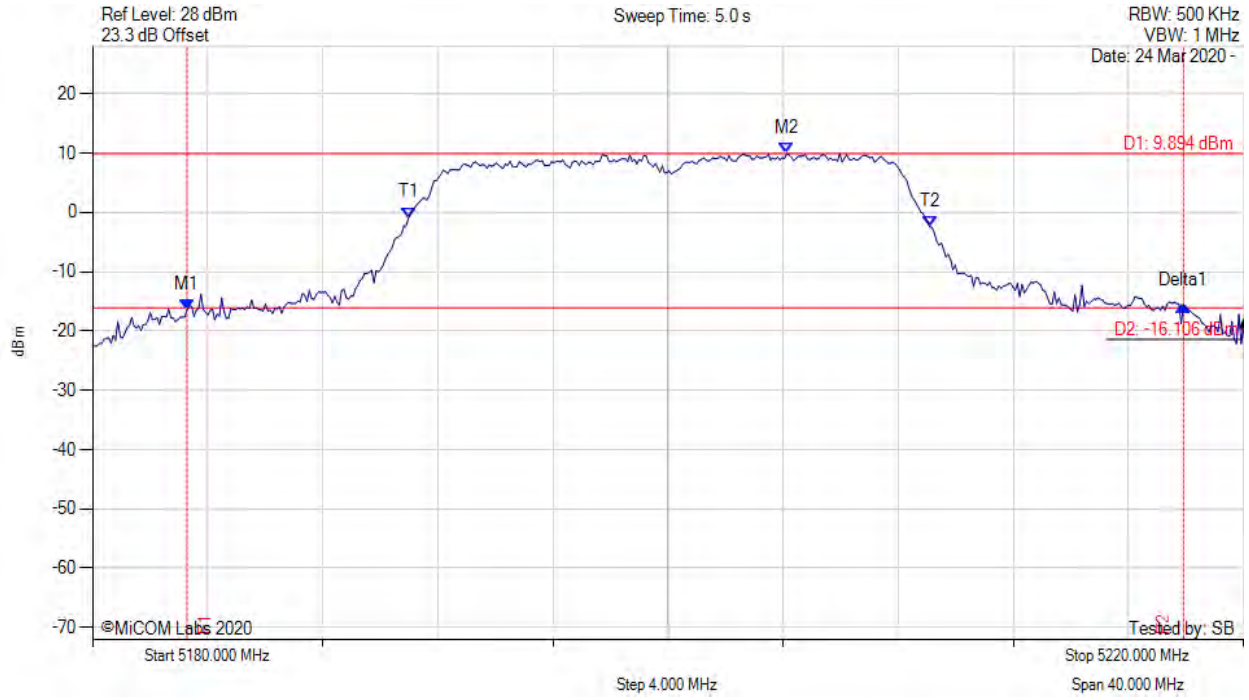


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5163.768 MHz : -20.179 dBm M2 : 5186.854 MHz : 8.313 dBm Delta1 : 32.625 MHz : 2.837 dB T1 : 5171.303 MHz : -3.560 dBm T2 : 5189.018 MHz : -4.349 dBm OBW : 17.715 MHz	Measured 26 dB Bandwidth: 32.625 MHz Measured 99% Bandwidth: 17.715 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

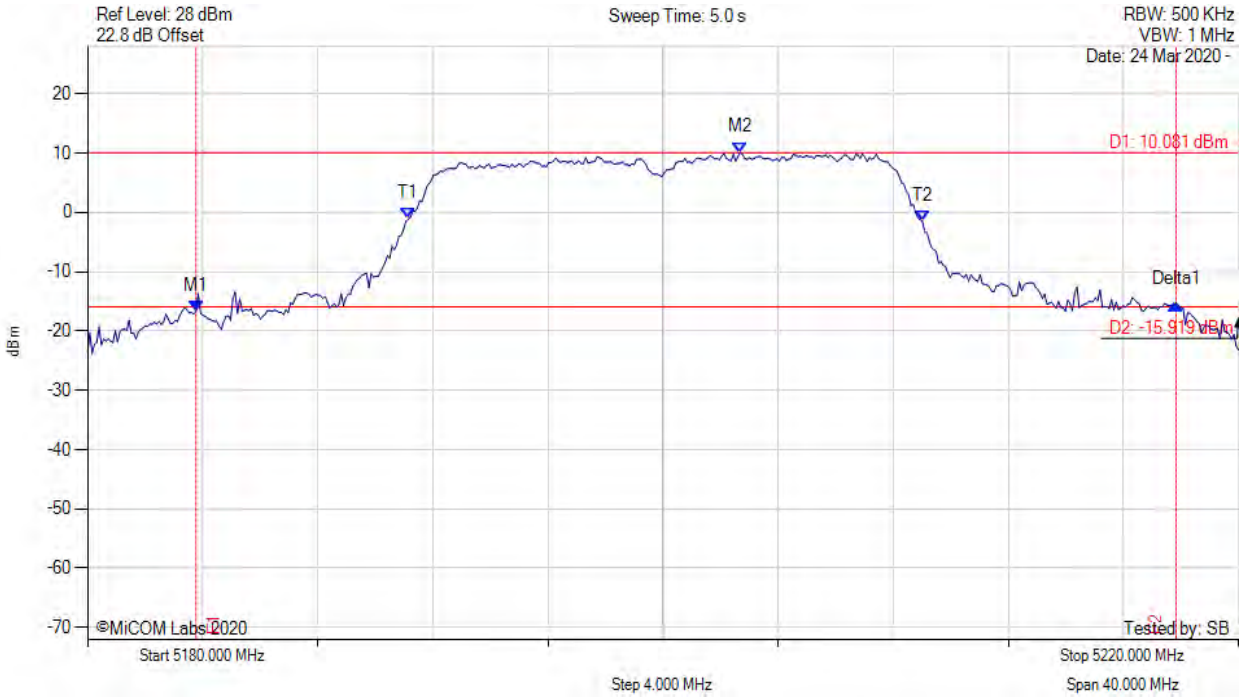


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5183.287 MHz : -16.358 dBm M2 : 5204.128 MHz : 9.894 dBm Delta1 : 34.629 MHz : 0.724 dB T1 : 5190.982 MHz : -0.891 dBm T2 : 5209.098 MHz : -2.417 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 34.629 MHz Measured 99% Bandwidth: 18.116 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

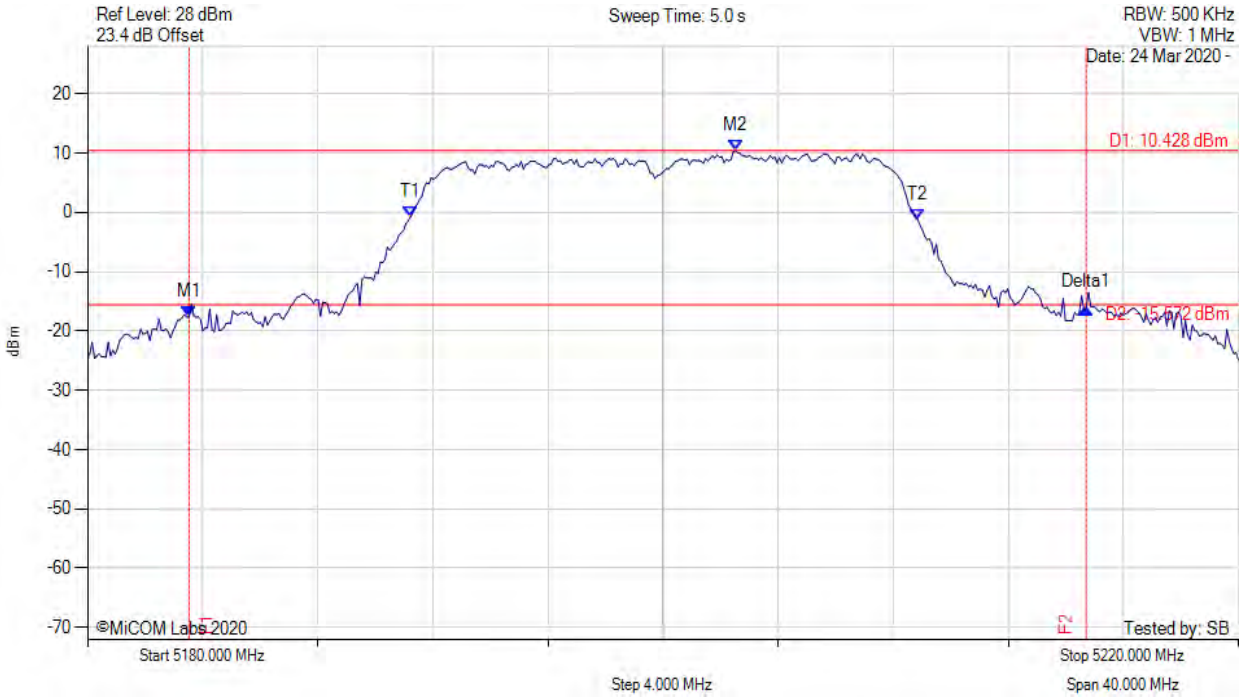


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5183.768 MHz : -16.724 dBm M2 : 5202.685 MHz : 10.081 dBm Delta1 : 34.068 MHz : 1.157 dB T1 : 5191.142 MHz : -1.111 dBm T2 : 5209.018 MHz : -1.528 dBm OBW : 17.876 MHz	Measured 26 dB Bandwidth: 34.068 MHz Measured 99% Bandwidth: 17.876 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

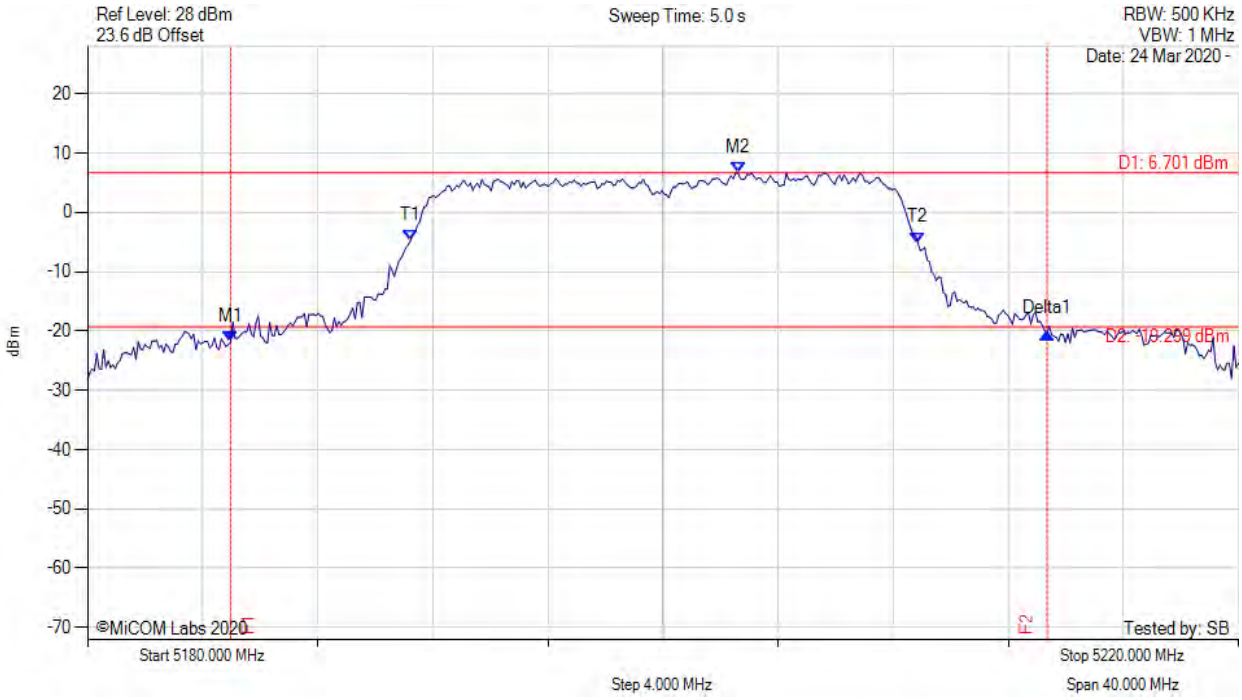


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5183.527 MHz : -17.664 dBm M2 : 5202.525 MHz : 10.428 dBm Delta1 : 31.182 MHz : 1.582 dB T1 : 5191.222 MHz : -0.763 dBm T2 : 5208.858 MHz : -1.257 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 31.182 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

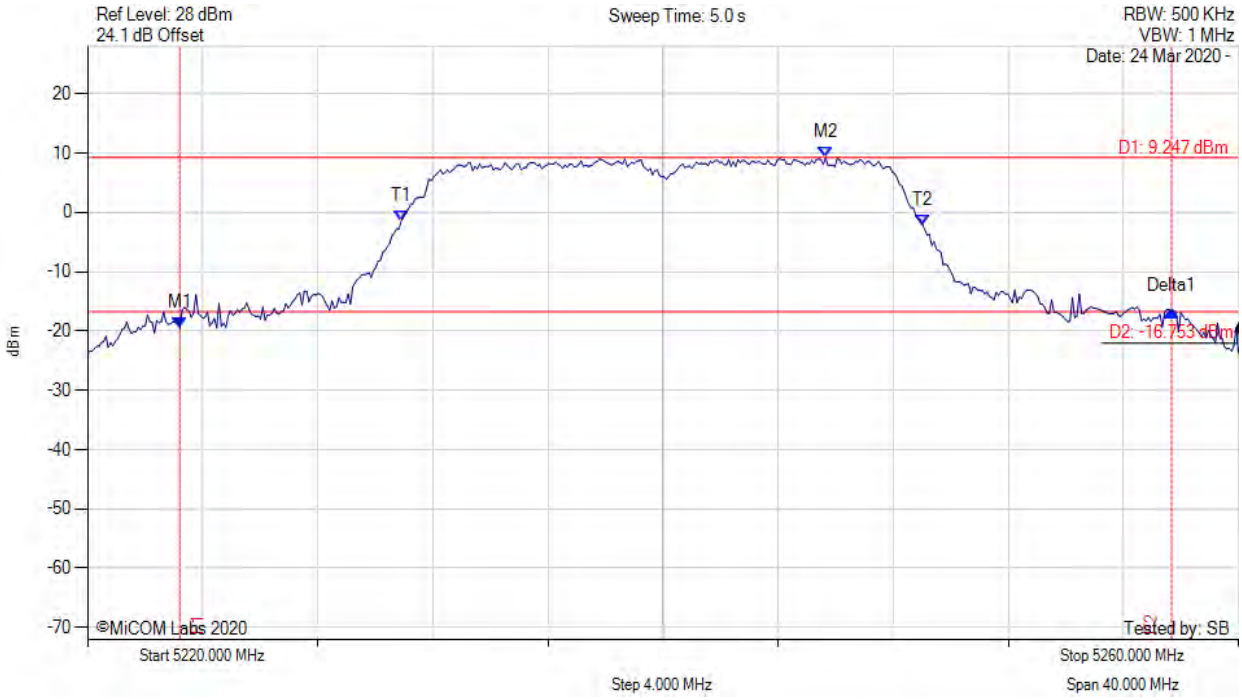


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5184.970 MHz : -21.841 dBm M2 : 5202.605 MHz : 6.701 dBm Delta1 : 28.377 MHz : 1.452 dB T1 : 5191.222 MHz : -4.756 dBm T2 : 5208.858 MHz : -5.089 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 28.377 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

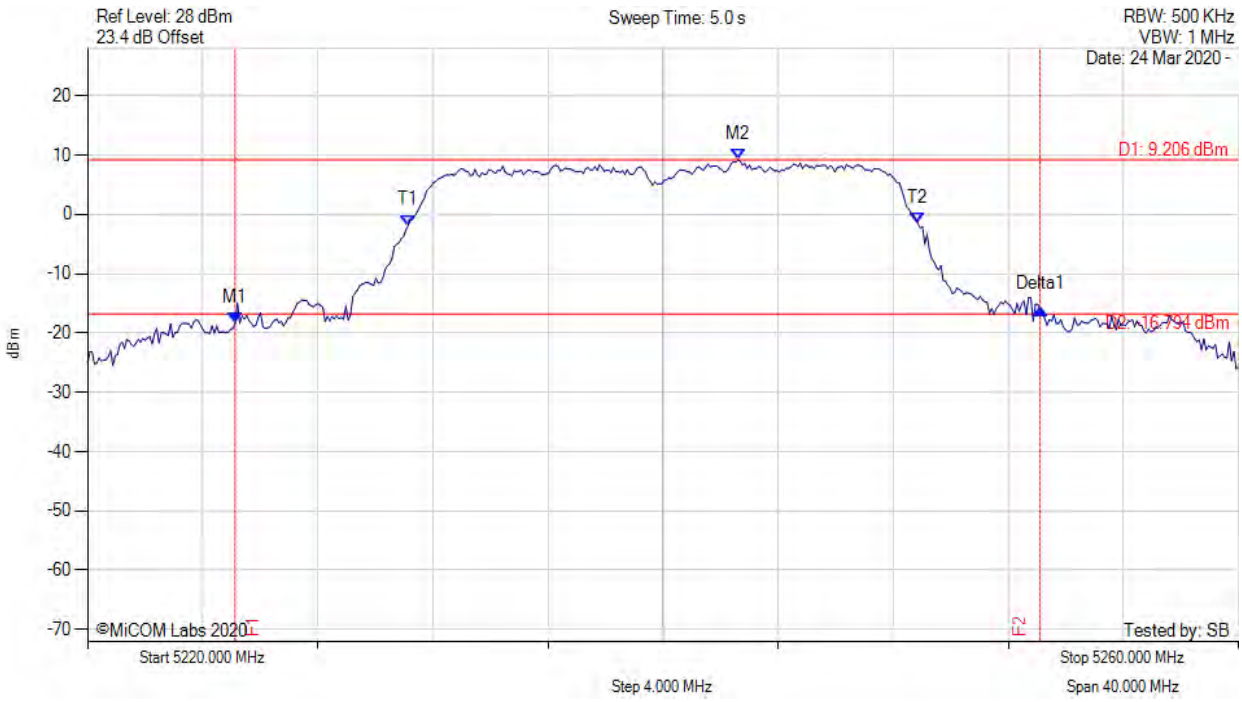


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5223.206 MHz : -19.547 dBm M2 : 5245.651 MHz : 9.247 dBm Delta1 : 34.469 MHz : 2.961 dB T1 : 5230.902 MHz : -1.469 dBm T2 : 5249.018 MHz : -2.091 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 34.469 MHz Measured 99% Bandwidth: 18.116 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

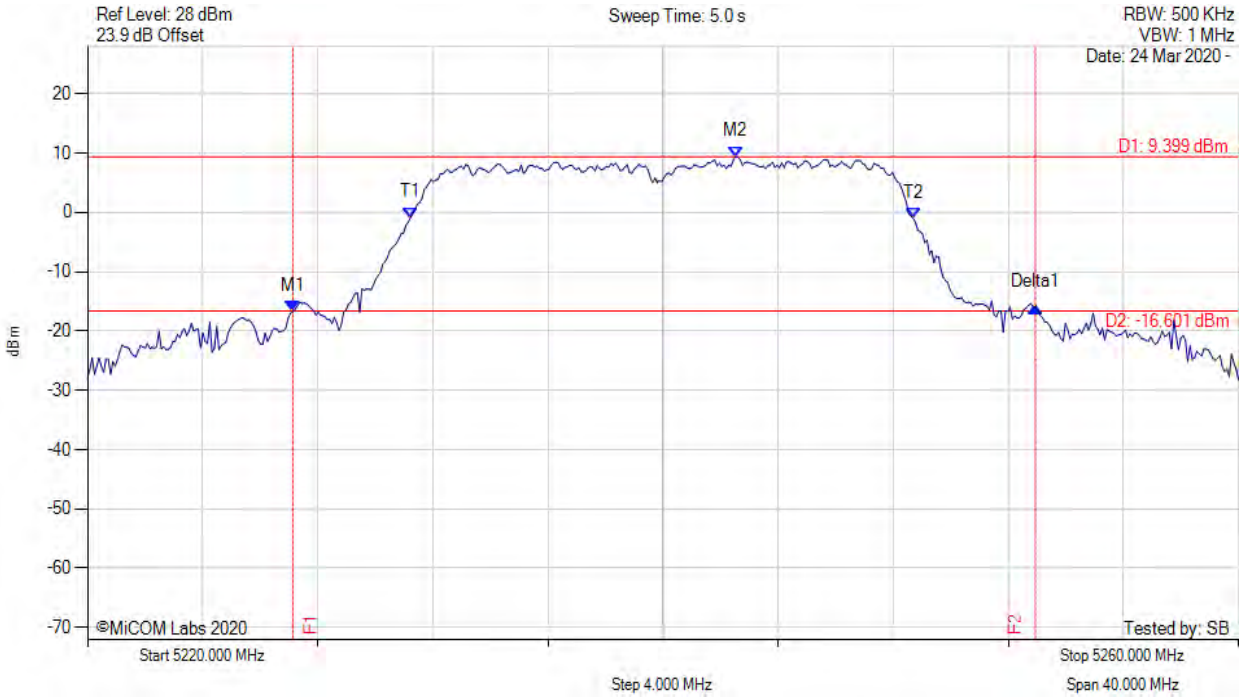


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5225.130 MHz : -18.351 dBm M2 : 5242.605 MHz : 9.206 dBm Delta1 : 27.976 MHz : 2.408 dB T1 : 5231.142 MHz : -1.821 dBm T2 : 5248.858 MHz : -1.544 dBm OBW : 17.715 MHz	Measured 26 dB Bandwidth: 27.976 MHz Measured 99% Bandwidth: 17.715 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

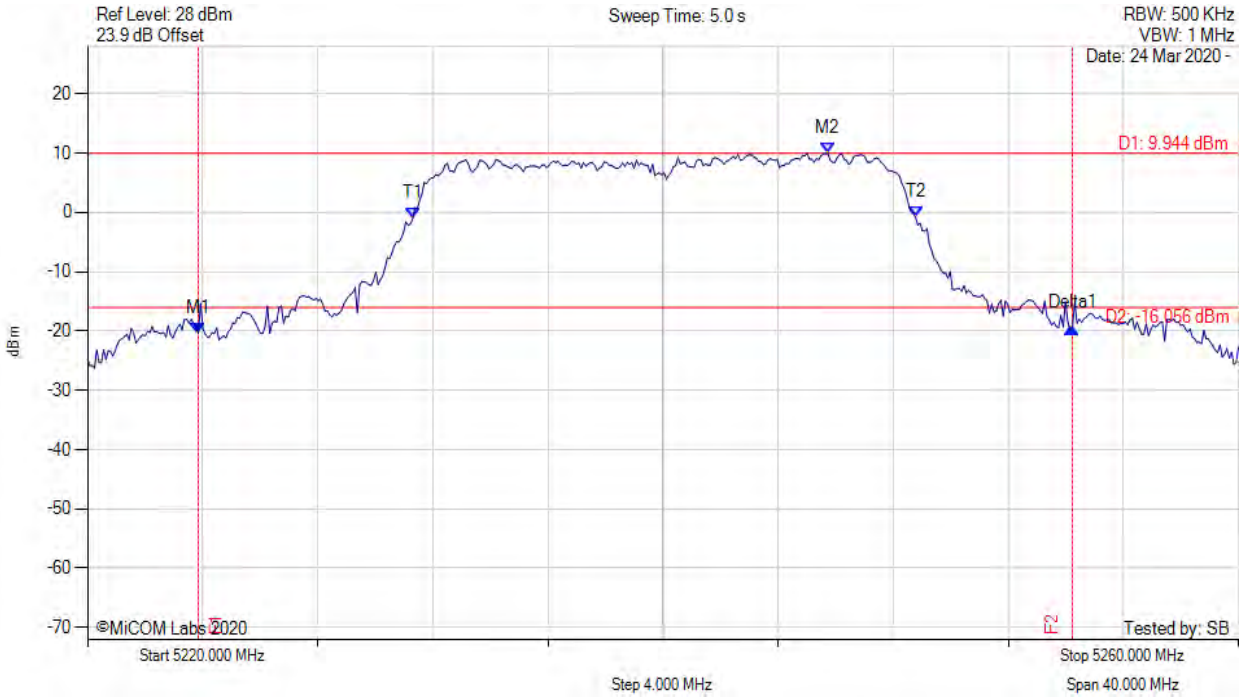


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5227.134 MHz : -16.744 dBm M2 : 5242.525 MHz : 9.399 dBm Delta1 : 25.812 MHz : 0.714 dB T1 : 5231.222 MHz : -0.883 dBm T2 : 5248.697 MHz : -1.030 dBm OBW : 17.475 MHz	Measured 26 dB Bandwidth: 25.812 MHz Measured 99% Bandwidth: 17.475 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

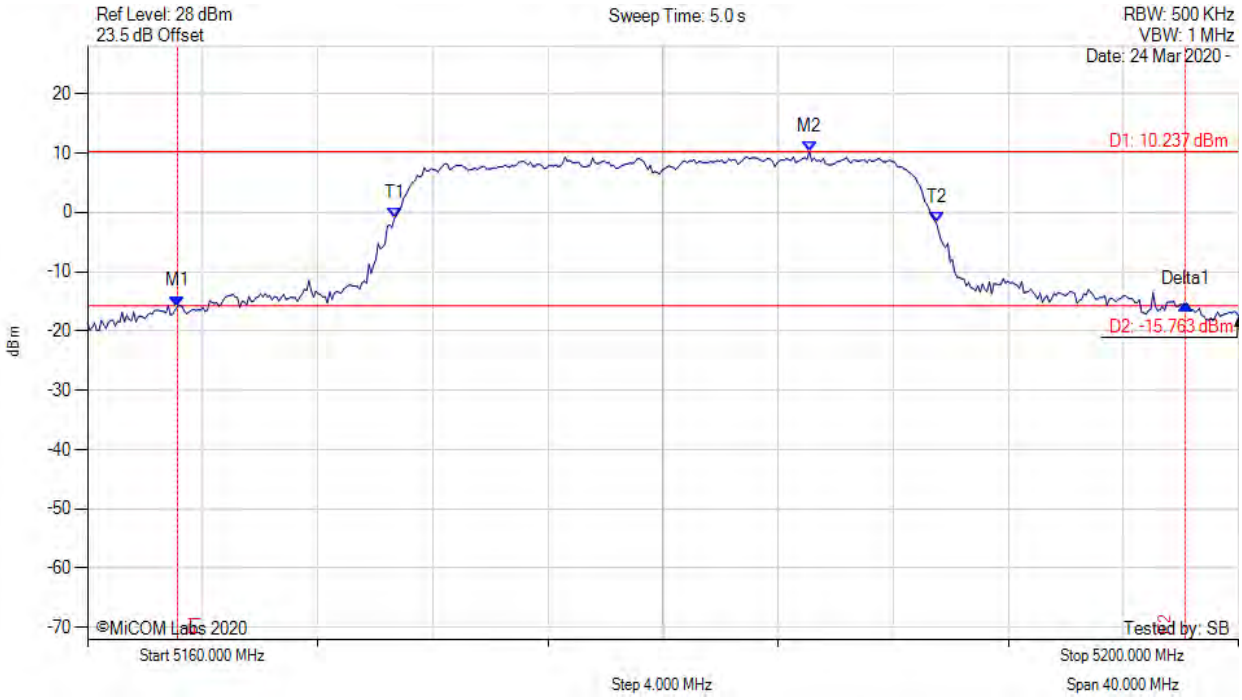


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5223.848 MHz : -20.375 dBm M2 : 5245.731 MHz : 9.944 dBm Delta1 : 30.381 MHz : 0.905 dB T1 : 5231.303 MHz : -1.056 dBm T2 : 5248.778 MHz : -0.871 dBm OBW : 17.475 MHz	Measured 26 dB Bandwidth: 30.381 MHz Measured 99% Bandwidth: 17.475 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

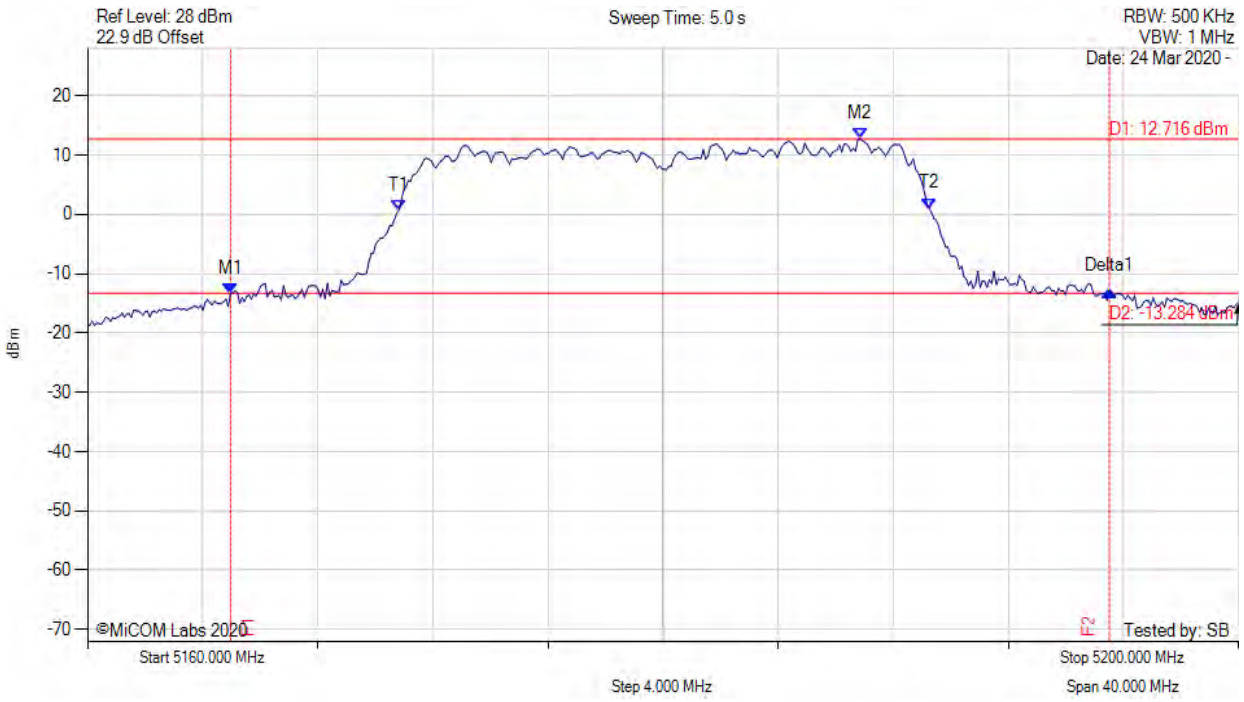


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5163.126 MHz : -15.850 dBm M2 : 5185.090 MHz : 10.237 dBm Delta1 : 35.030 MHz : 0.431 dB T1 : 5170.661 MHz : -1.058 dBm T2 : 5189.499 MHz : -1.758 dBm OBW : 18.838 MHz	Measured 26 dB Bandwidth: 35.030 MHz Measured 99% Bandwidth: 18.838 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

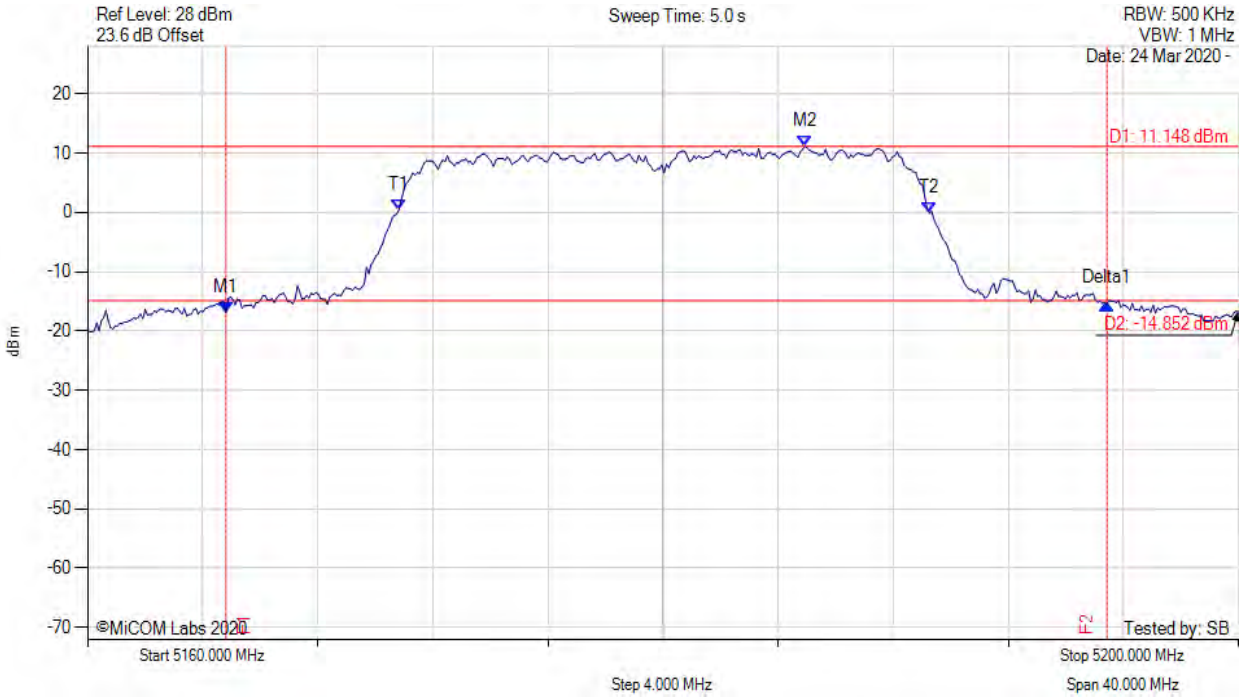


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5164.970 MHz : -13.301 dBm M2 : 5186.854 MHz : 12.716 dBm Delta1 : 30.541 MHz : 0.425 dB T1 : 5170.822 MHz : 0.729 dBm T2 : 5189.259 MHz : 0.984 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 30.541 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

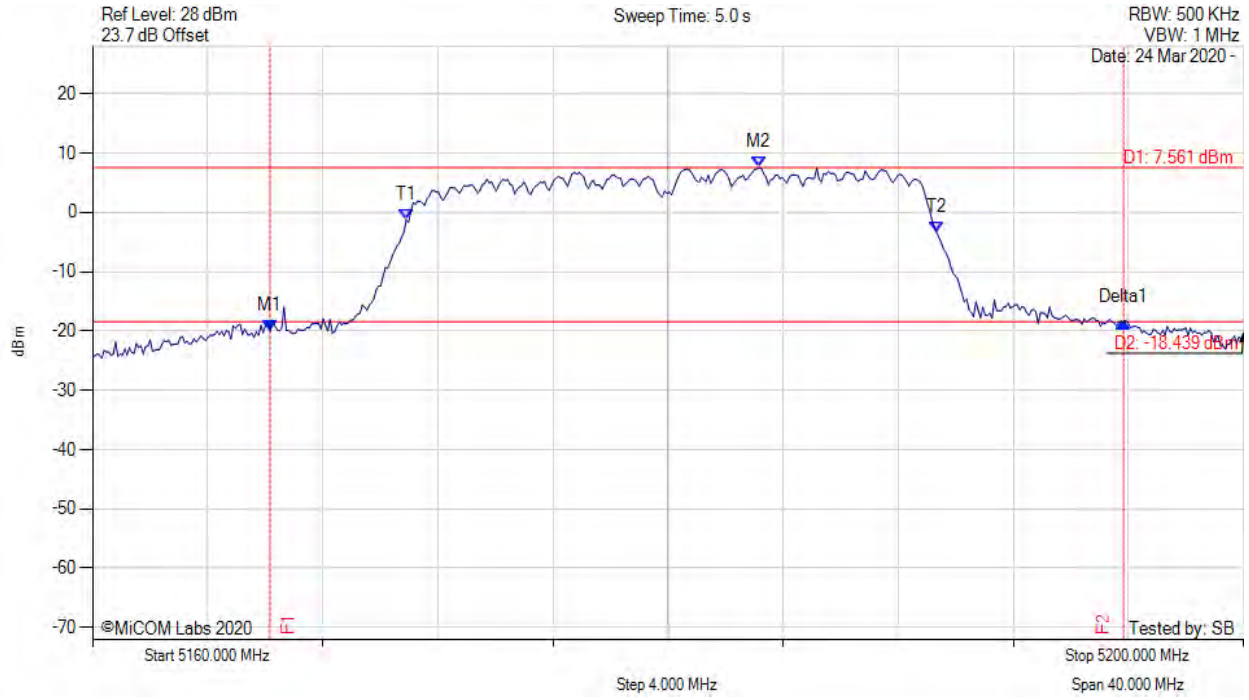


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5164.810 MHz : -16.862 dBm M2 : 5184.930 MHz : 11.148 dBm Delta1 : 30.621 MHz : 1.485 dB T1 : 5170.822 MHz : 0.443 dBm T2 : 5189.259 MHz : -0.119 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 30.621 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

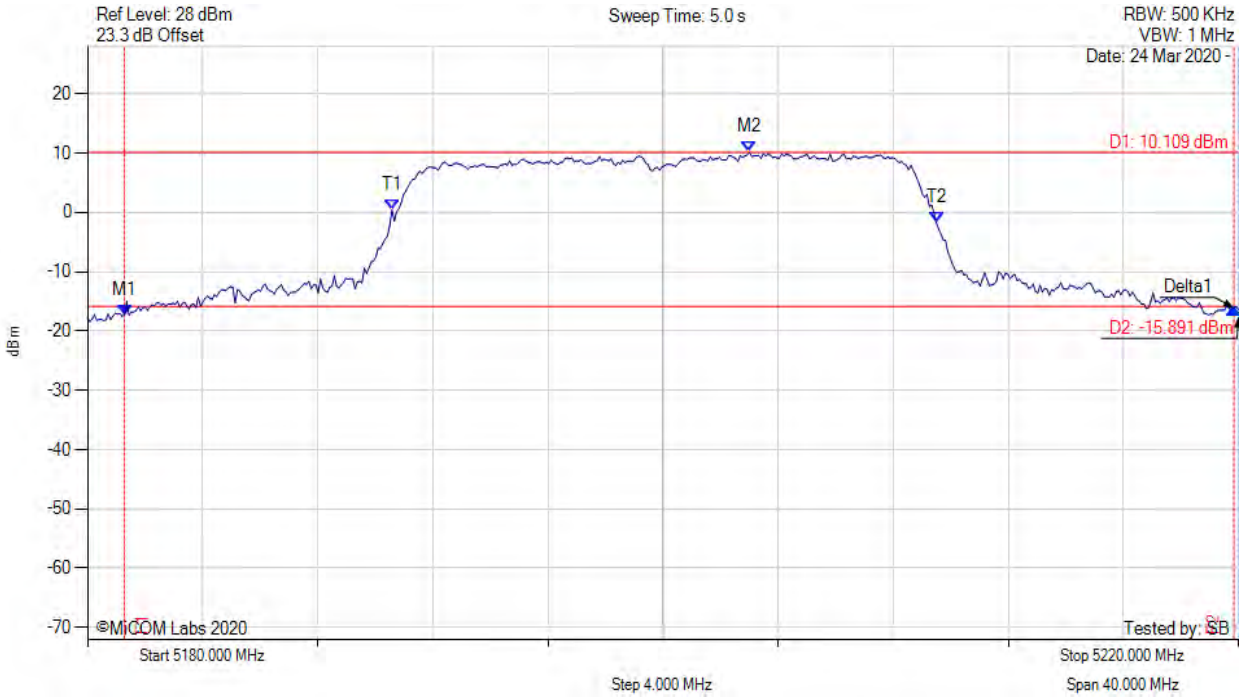


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5166.172 MHz : -20.002 dBm M2 : 5183.166 MHz : 7.561 dBm Delta1 : 29.659 MHz : 1.554 dB T1 : 5170.902 MHz : -1.266 dBm T2 : 5189.339 MHz : -3.430 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 29.659 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

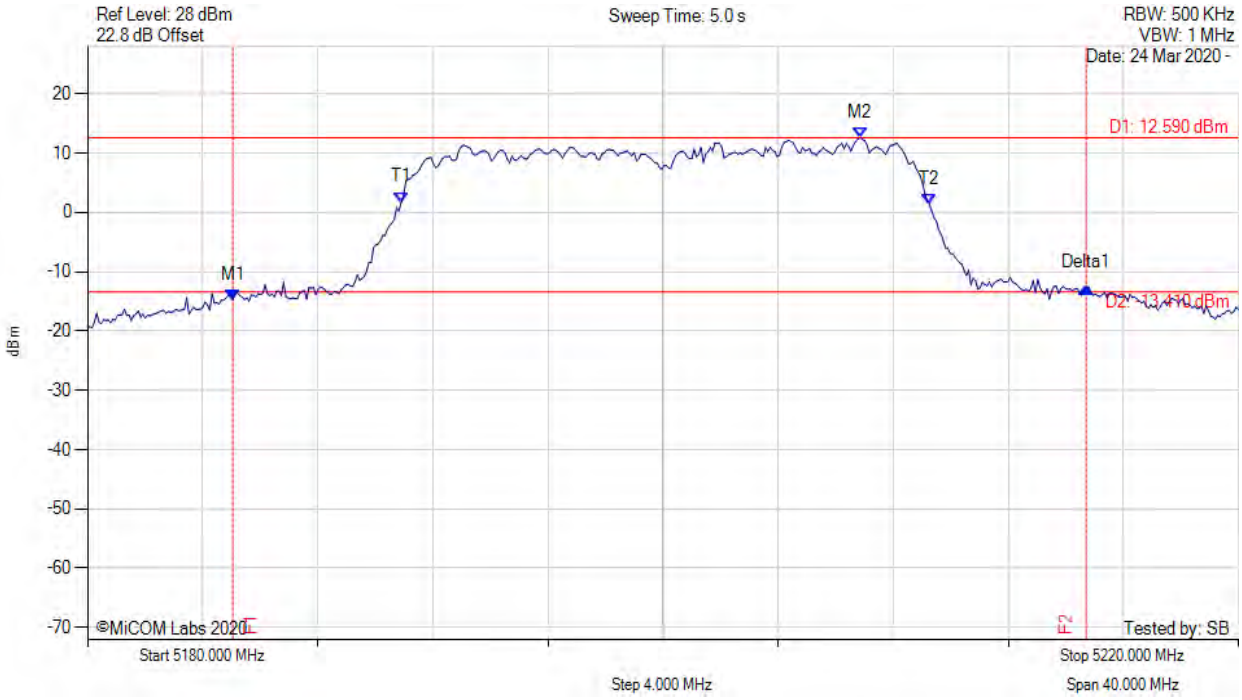


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5181.283 MHz : -17.294 dBm M2 : 5203.006 MHz : 10.109 dBm Delta1 : 38.557 MHz : 1.198 dB T1 : 5190.581 MHz : 0.367 dBm T2 : 5209.499 MHz : -1.729 dBm OBW : 18.918 MHz	Measured 26 dB Bandwidth: 38.557 MHz Measured 99% Bandwidth: 18.918 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

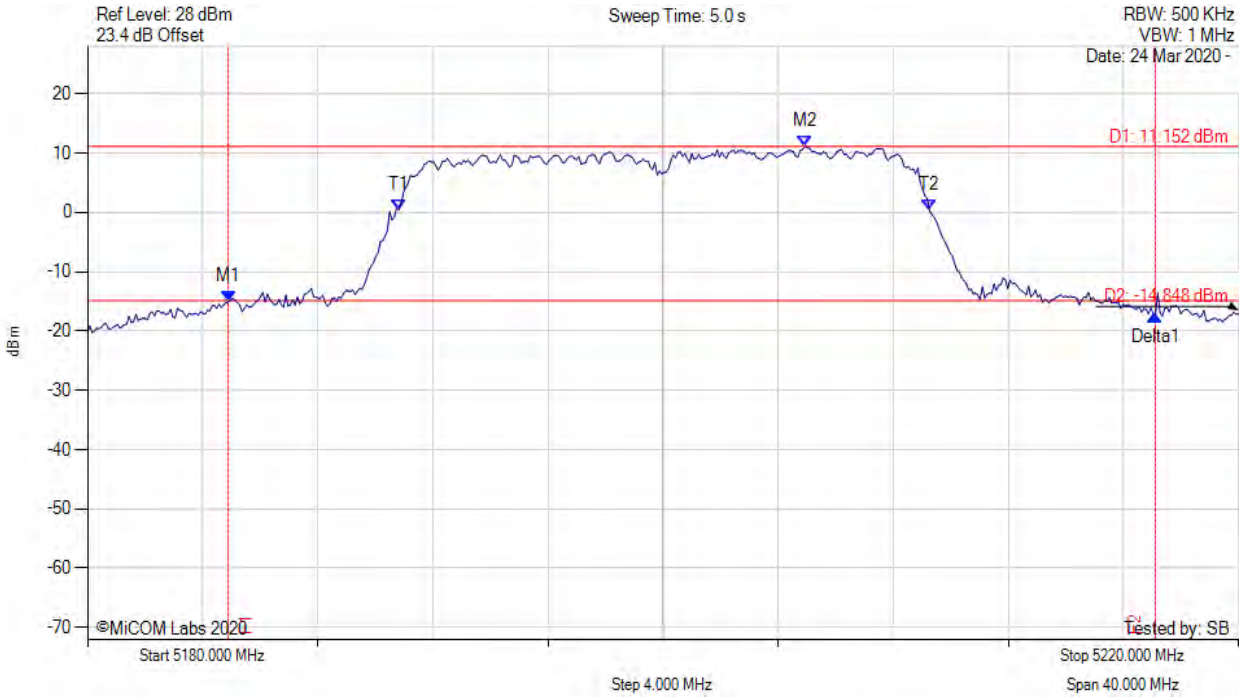


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5185.050 MHz : -14.810 dBm M2 : 5206.854 MHz : 12.590 dBm Delta1 : 29.659 MHz : 2.174 dB T1 : 5190.902 MHz : 1.681 dBm T2 : 5209.259 MHz : 1.401 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 29.659 MHz Measured 99% Bandwidth: 18.357 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

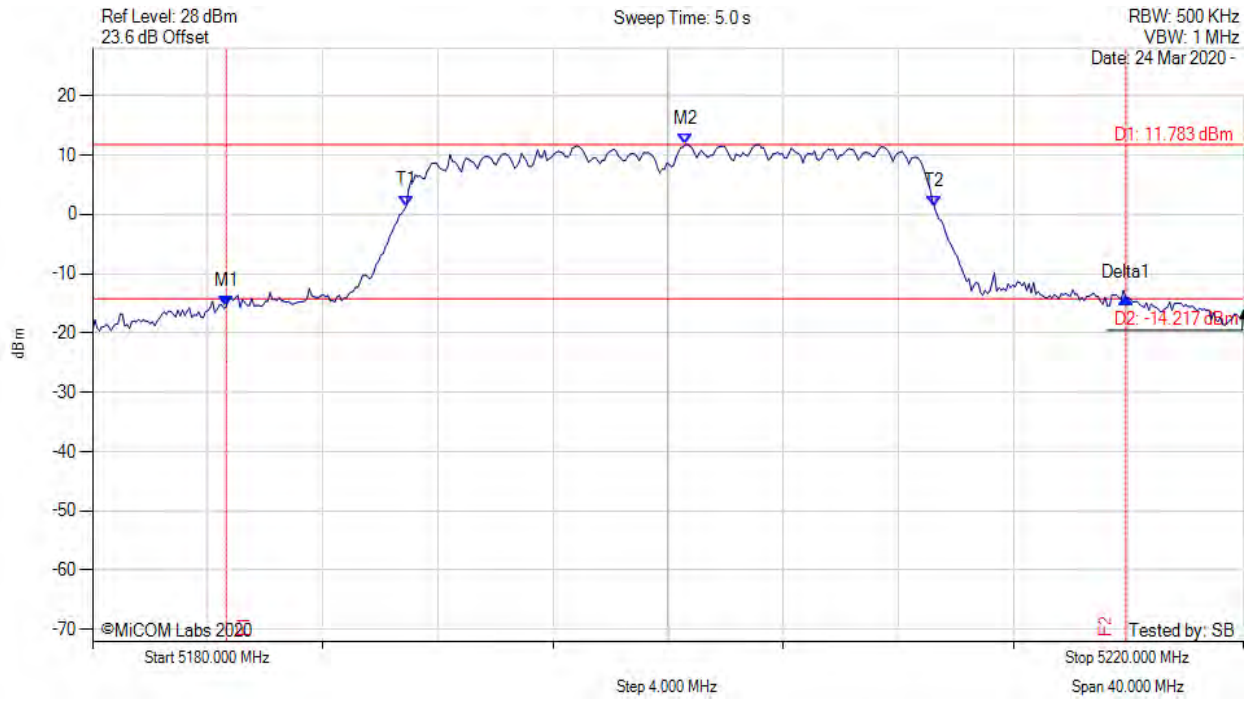


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5184.890 MHz : -15.103 dBm M2 : 5204.930 MHz : 11.152 dBm Delta1 : 32.224 MHz : -2.282 dB T1 : 5190.822 MHz : 0.492 dBm T2 : 5209.259 MHz : 0.339 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 32.224 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

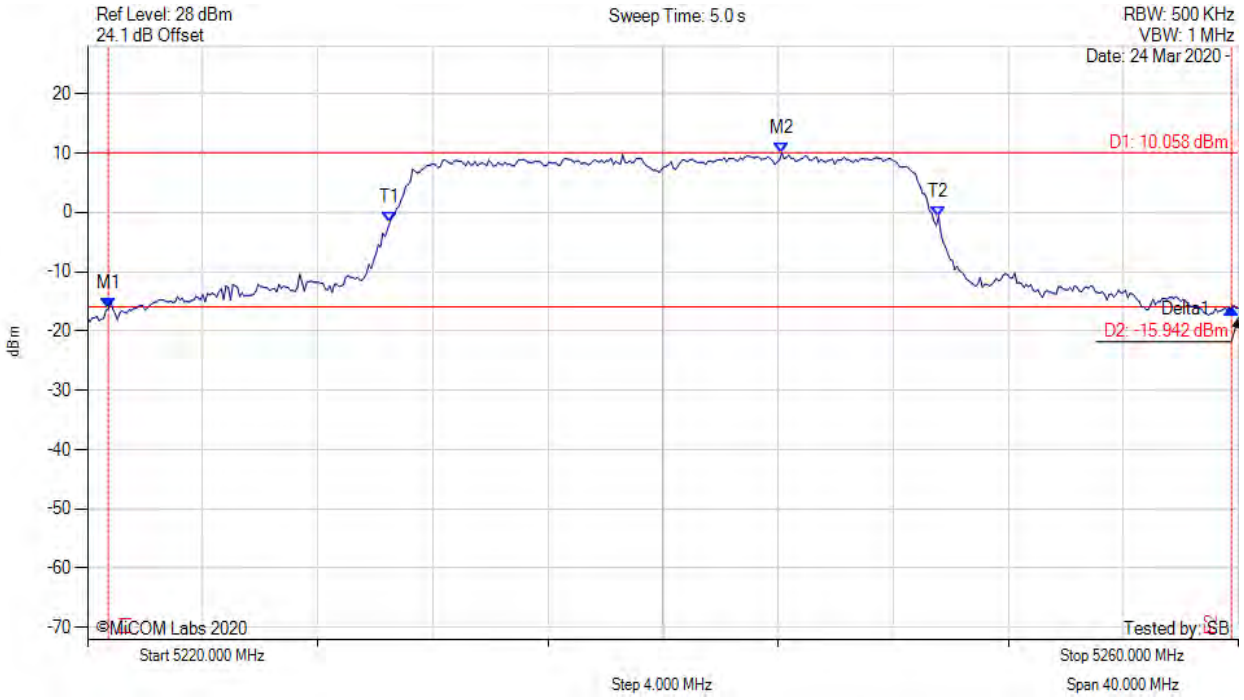


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5184.649 MHz : -15.524 dBm M2 : 5200.601 MHz : 11.783 dBm Delta1 : 31.263 MHz : 1.450 dB T1 : 5190.902 MHz : 1.433 dBm T2 : 5209.259 MHz : 1.256 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 31.263 MHz Measured 99% Bandwidth: 18.357 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

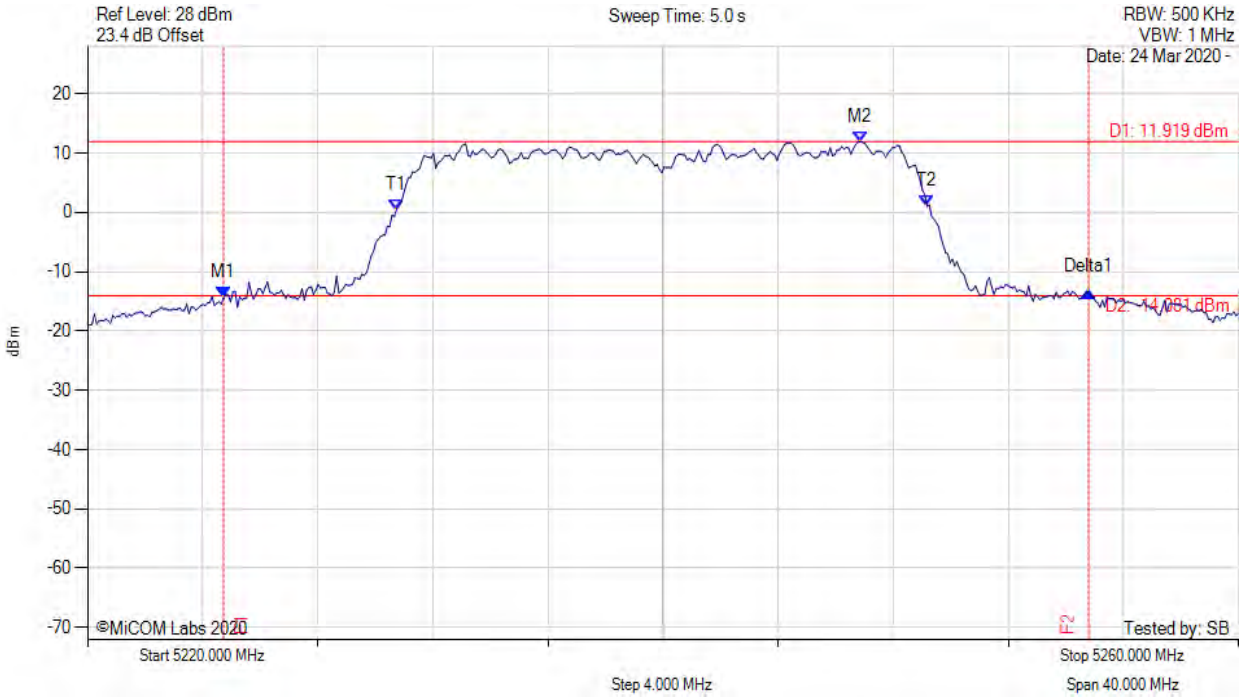


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5220.721 MHz : -16.297 dBm M2 : 5244.128 MHz : 10.058 dBm Delta1 : 39.038 MHz : 0.047 dB T1 : 5230.501 MHz : -1.768 dBm T2 : 5249.579 MHz : -0.678 dBm OBW : 19.078 MHz	Measured 26 dB Bandwidth: 39.038 MHz Measured 99% Bandwidth: 19.078 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

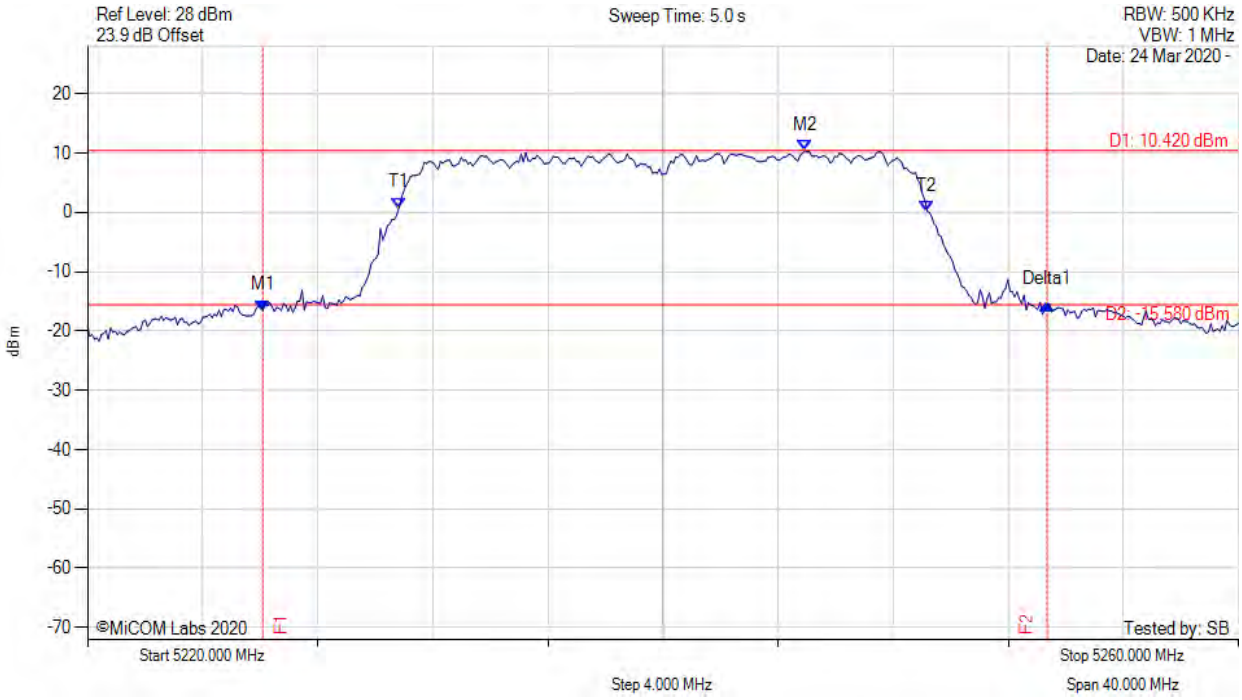


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5224.729 MHz : -14.422 dBm M2 : 5246.854 MHz : 11.919 dBm Delta1 : 30.060 MHz : 0.962 dB T1 : 5230.741 MHz : 0.485 dBm T2 : 5249.178 MHz : 1.028 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 30.060 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5226.092 MHz : -16.547 dBm M2 : 5244.930 MHz : 10.420 dBm Delta1 : 27.255 MHz : 0.962 dB T1 : 5230.822 MHz : 0.752 dBm T2 : 5249.178 MHz : 0.231 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 27.255 MHz Measured 99% Bandwidth: 18.357 MHz

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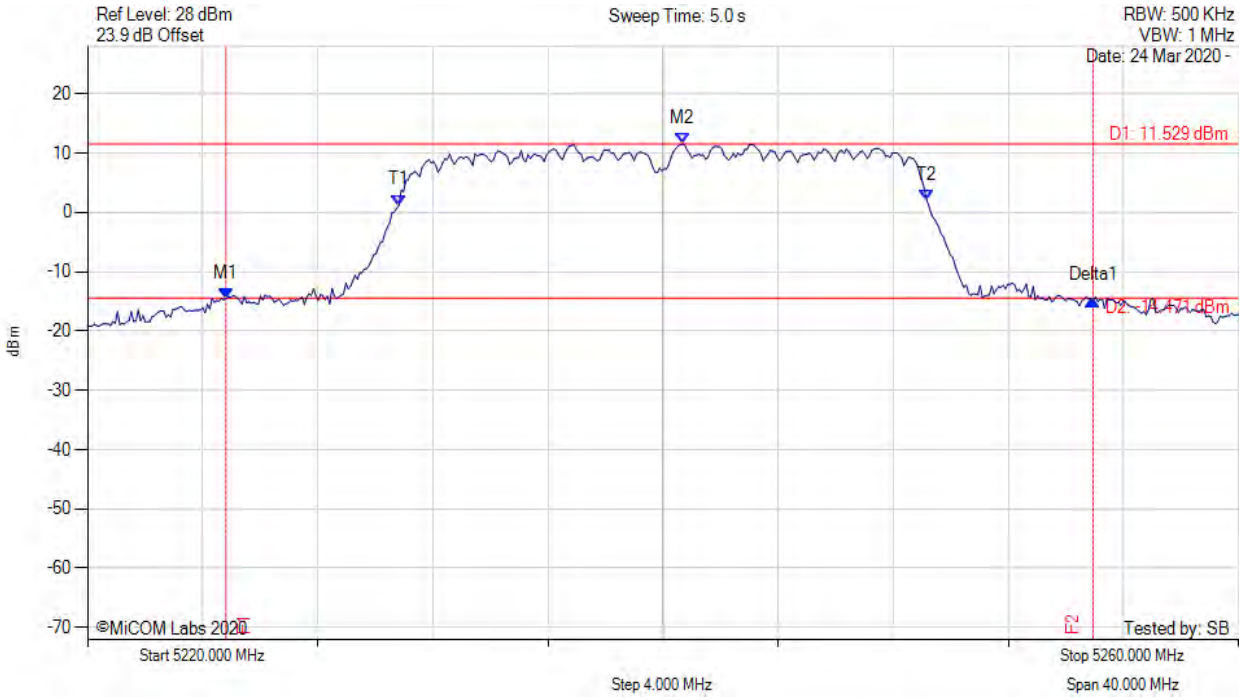
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

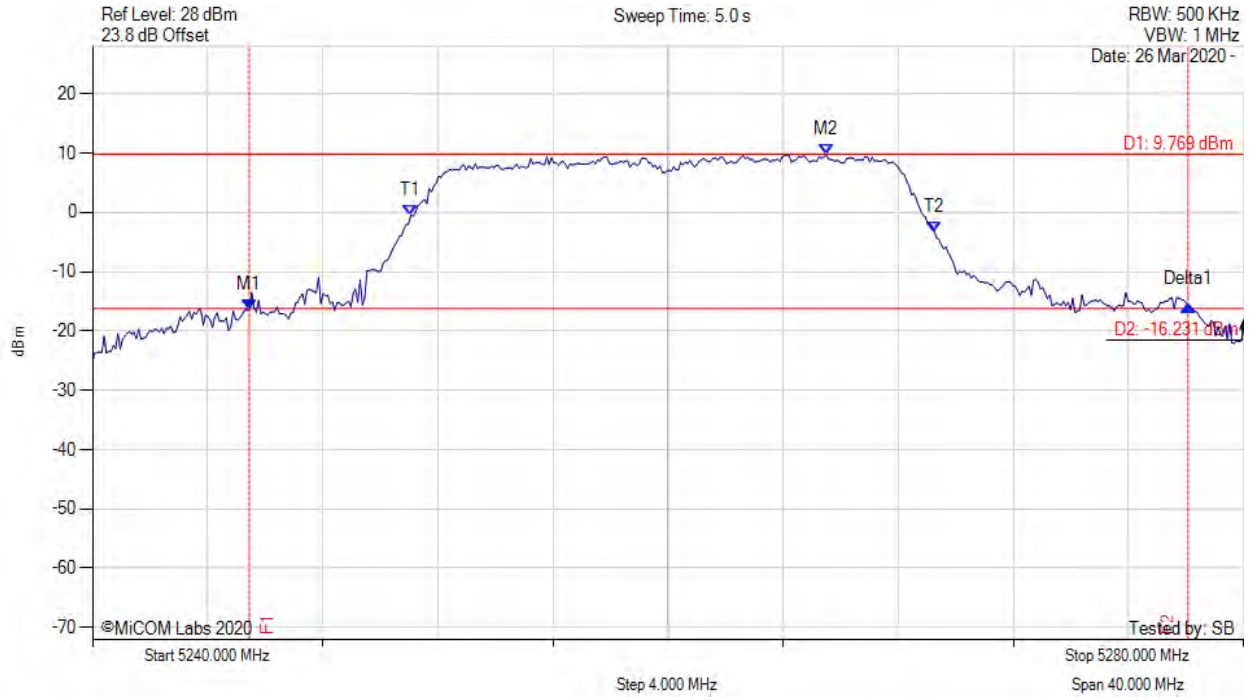


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5224.810 MHz : -14.501 dBm M2 : 5240.681 MHz : 11.529 dBm Delta1 : 30.140 MHz : -0.376 dB T1 : 5230.822 MHz : 1.212 dBm T2 : 5249.178 MHz : 1.936 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 30.140 MHz Measured 99% Bandwidth: 18.357 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5245.451 MHz : -16.443 dBm M2 : 5265.491 MHz : 9.769 dBm Delta1 : 32.625 MHz : 0.818 dB T1 : 5251.062 MHz : -0.444 dBm T2 : 5269.259 MHz : -3.291 dBm OBW : 18.196 MHz	Measured 26 dB Bandwidth: 32.625 MHz Measured 99% Bandwidth: 18.196 MHz

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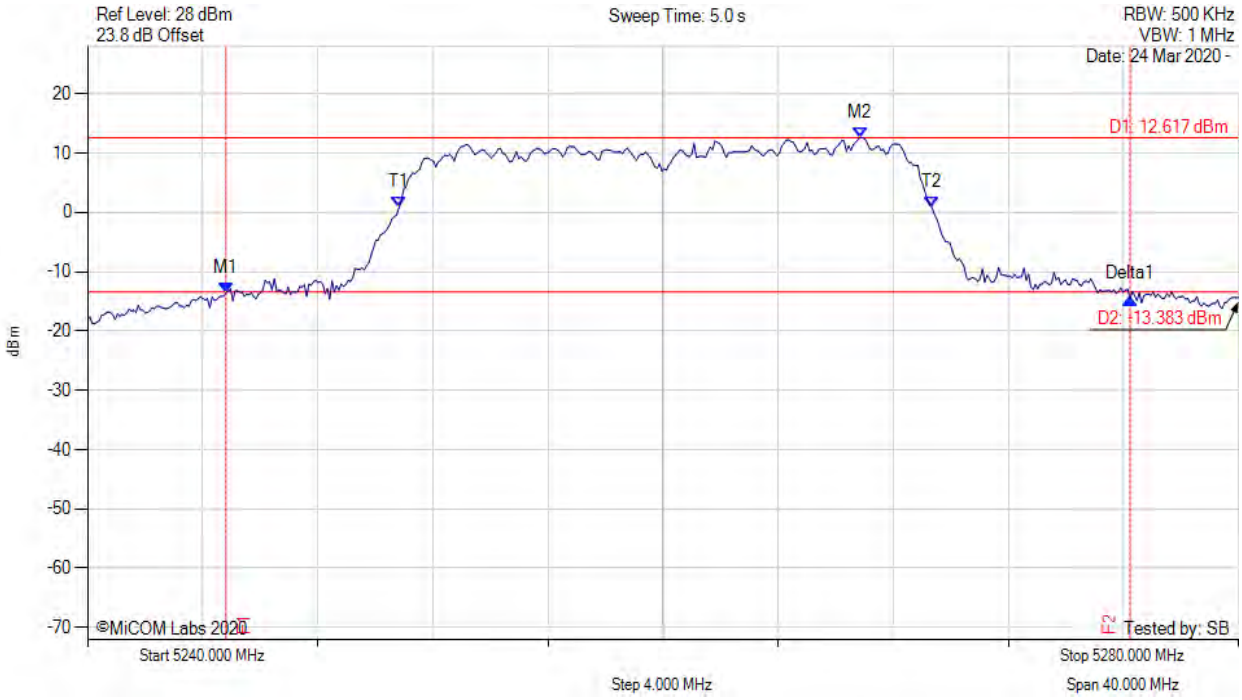
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

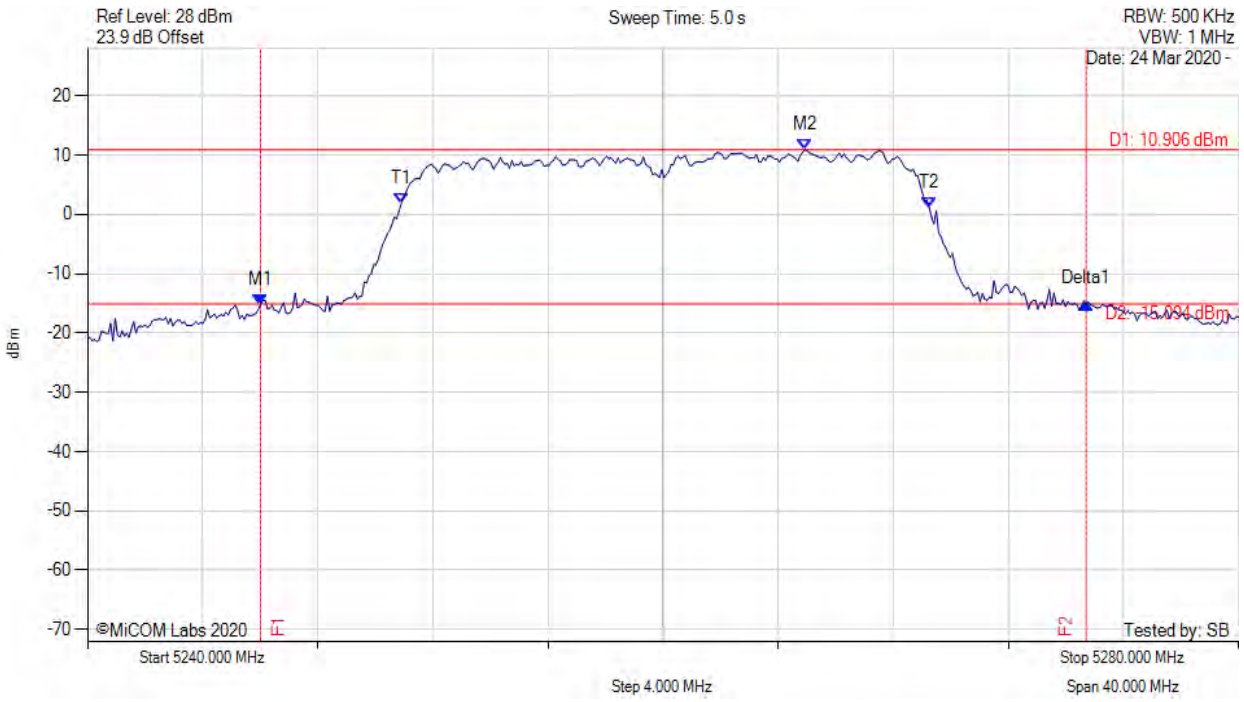


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5244.810 MHz : -13.539 dBm M2 : 5266.854 MHz : 12.617 dBm Delta1 : 31.423 MHz : -1.056 dB T1 : 5250.822 MHz : 0.768 dBm T2 : 5269.339 MHz : 0.931 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 31.423 MHz Measured 99% Bandwidth: 18.517 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5246.012 MHz : -15.170 dBm M2 : 5264.930 MHz : 10.906 dBm Delta1 : 28.697 MHz : 0.138 dB T1 : 5250.902 MHz : 1.809 dBm T2 : 5269.259 MHz : 1.028 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 28.697 MHz Measured 99% Bandwidth: 18.357 MHz

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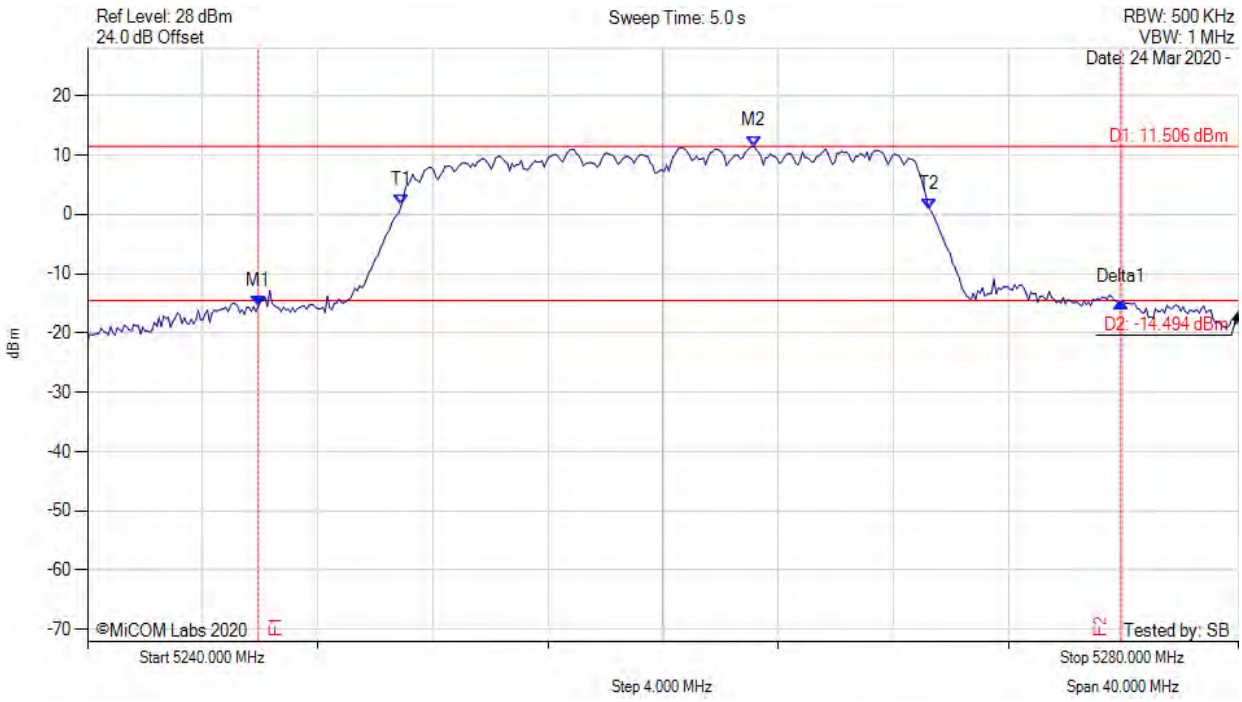
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

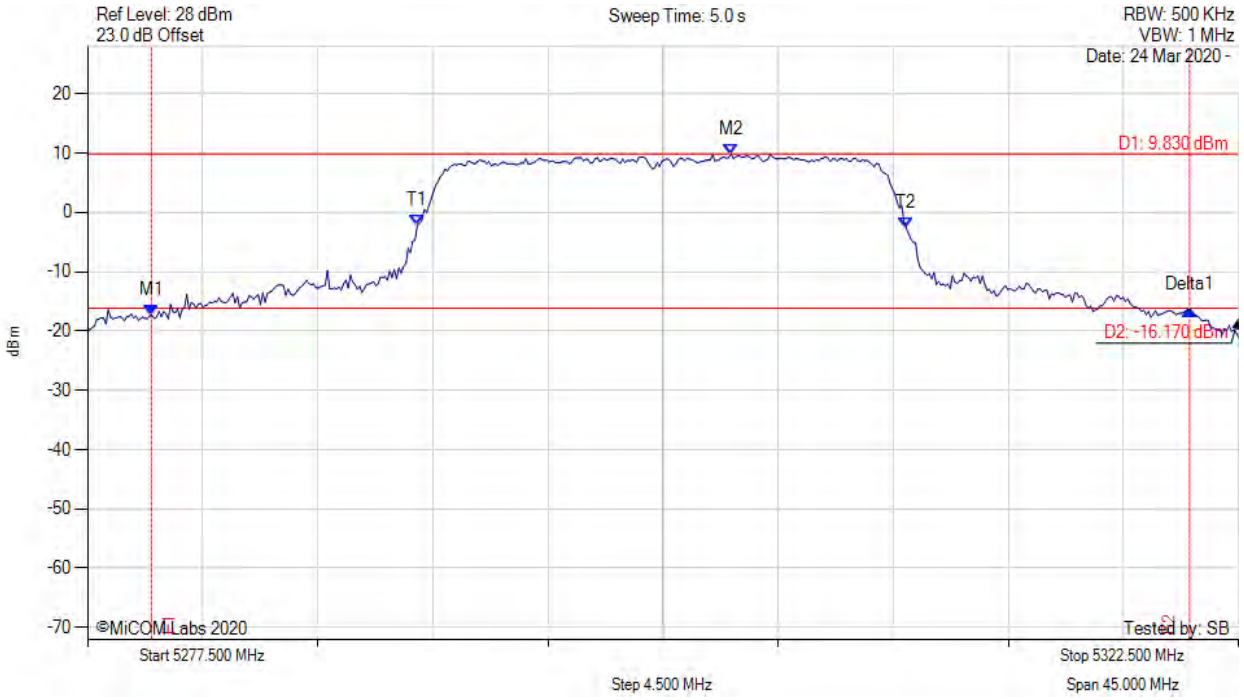


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5245.932 MHz : -15.492 dBm M2 : 5263.166 MHz : 11.506 dBm Delta1 : 29.980 MHz : 0.635 dB T1 : 5250.902 MHz : 1.468 dBm T2 : 5269.259 MHz : 0.933 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 29.980 MHz Measured 99% Bandwidth: 18.357 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

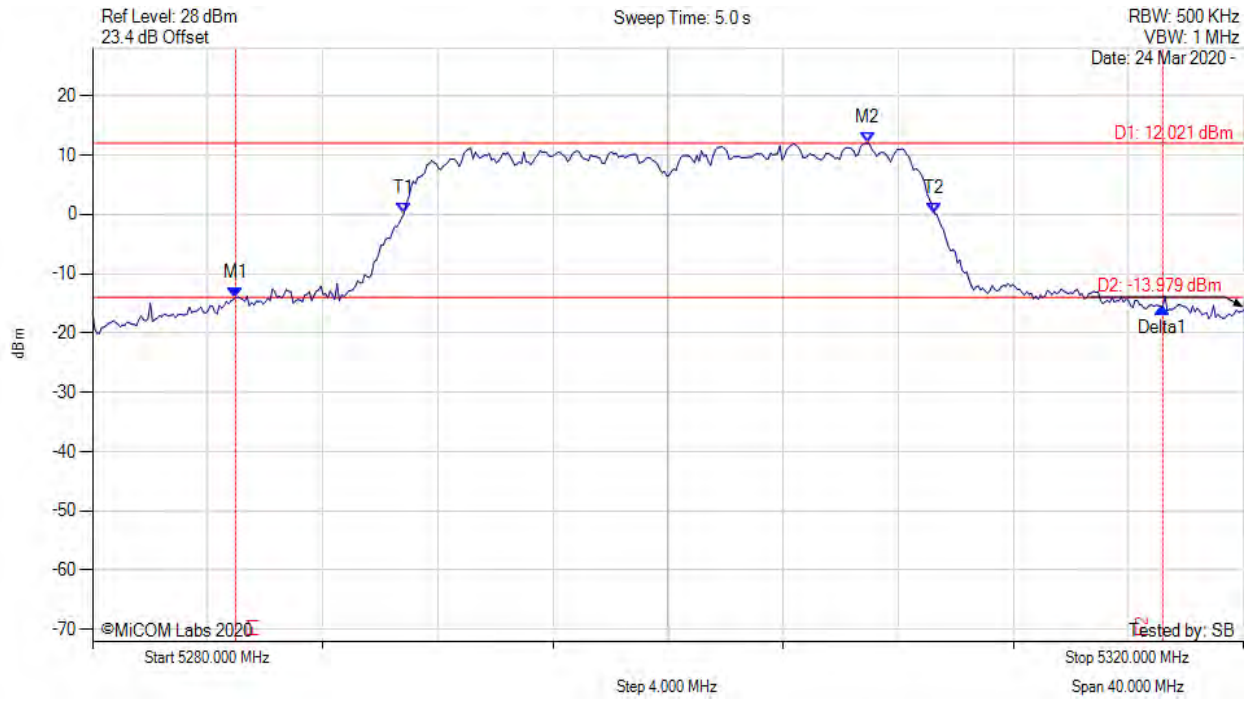


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5280.000 MHz : -17.359 dBm M2 : 5302.660 MHz : 9.835 dBm Delta1 : 40.591 MHz : 0.862 dB T1 : 5290.396 MHz : -2.209 dBm T2 : 5309.514 MHz : -2.647 dBm OBW : 19.118 MHz	Measured 26 dB Bandwidth: 40.591 MHz Measured 99% Bandwidth: 19.118 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

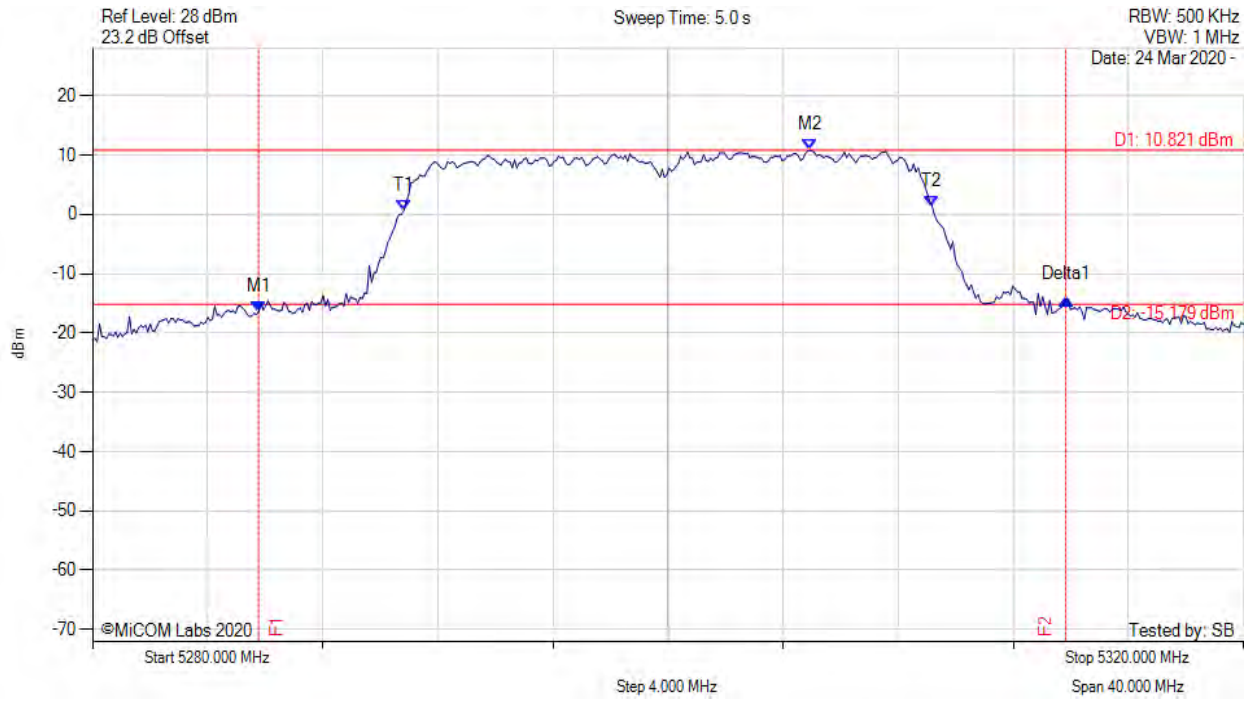


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5284.970 MHz : -14.068 dBm M2 : 5306.934 MHz : 12.021 dBm Delta1 : 32.224 MHz : -1.566 dB T1 : 5290.822 MHz : 0.117 dBm T2 : 5309.259 MHz : 0.095 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 32.224 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5285.772 MHz : -16.454 dBm M2 : 5304.930 MHz : 10.821 dBm Delta1 : 28.056 MHz : 2.137 dB T1 : 5290.822 MHz : 0.652 dBm T2 : 5309.178 MHz : 1.370 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 28.056 MHz Measured 99% Bandwidth: 18.357 MHz

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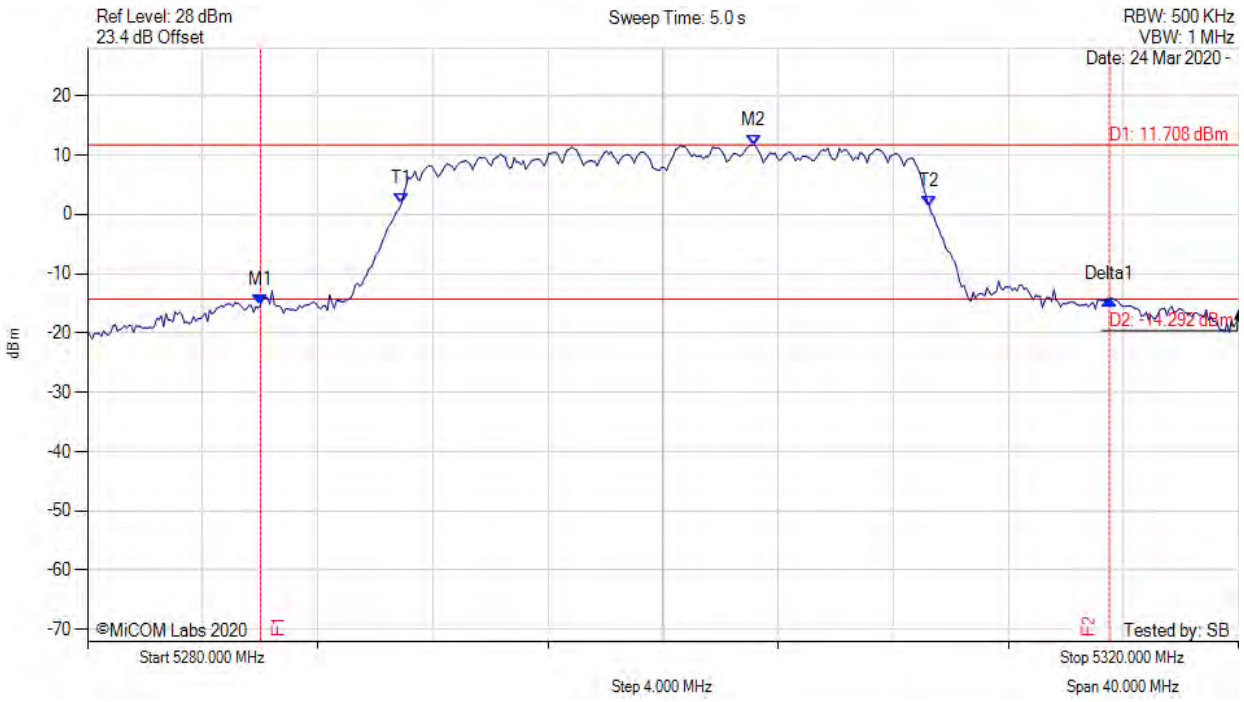
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5286.012 MHz : -15.219 dBm M2 : 5303.166 MHz : 11.708 dBm Delta1 : 29.499 MHz : 0.842 dB T1 : 5290.902 MHz : 1.716 dBm T2 : 5309.259 MHz : 1.305 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 29.499 MHz Measured 99% Bandwidth: 18.357 MHz

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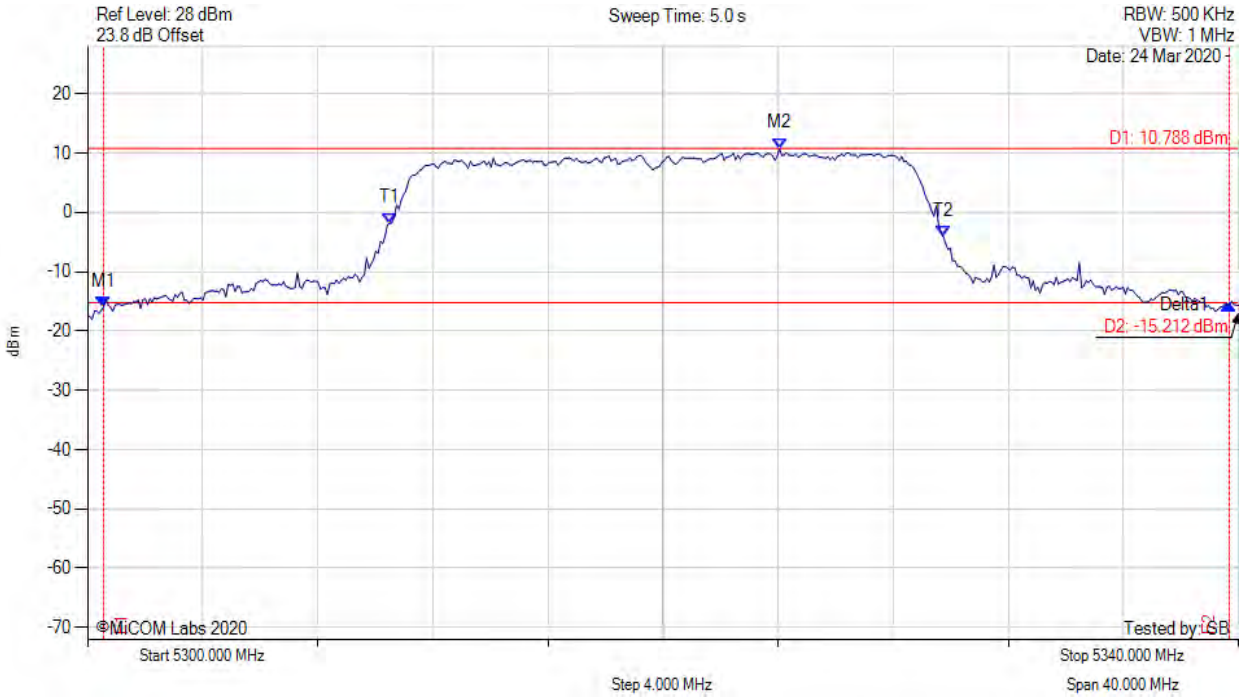
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5300.561 MHz : -15.982 dBm M2 : 5324.048 MHz : 10.788 dBm Delta1 : 39.118 MHz : 0.395 dB T1 : 5310.501 MHz : -1.831 dBm T2 : 5329.739 MHz : -4.025 dBm OBW : 19.238 MHz	Measured 26 dB Bandwidth: 39.118 MHz Measured 99% Bandwidth: 19.238 MHz

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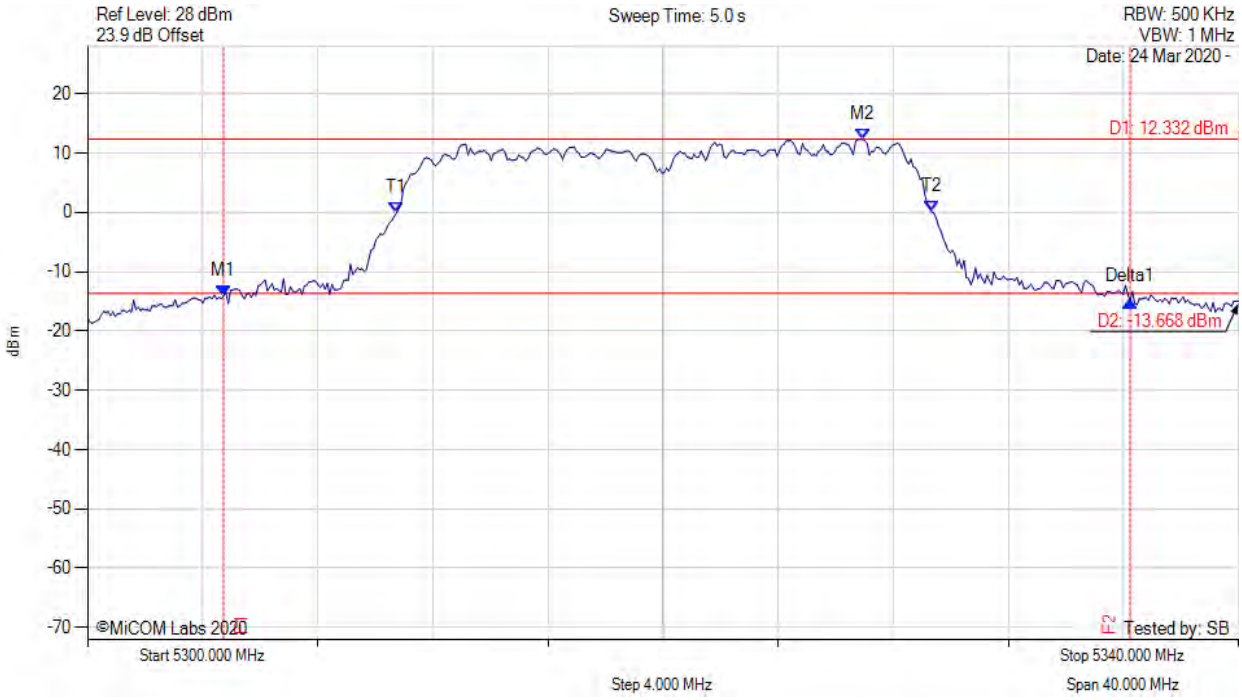
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5304.729 MHz : -14.052 dBm M2 : 5326.934 MHz : 12.332 dBm Delta1 : 31.503 MHz : -0.927 dB T1 : 5310.741 MHz : -0.110 dBm T2 : 5329.339 MHz : 0.073 dBm OBW : 18.597 MHz	Measured 26 dB Bandwidth: 31.503 MHz Measured 99% Bandwidth: 18.597 MHz

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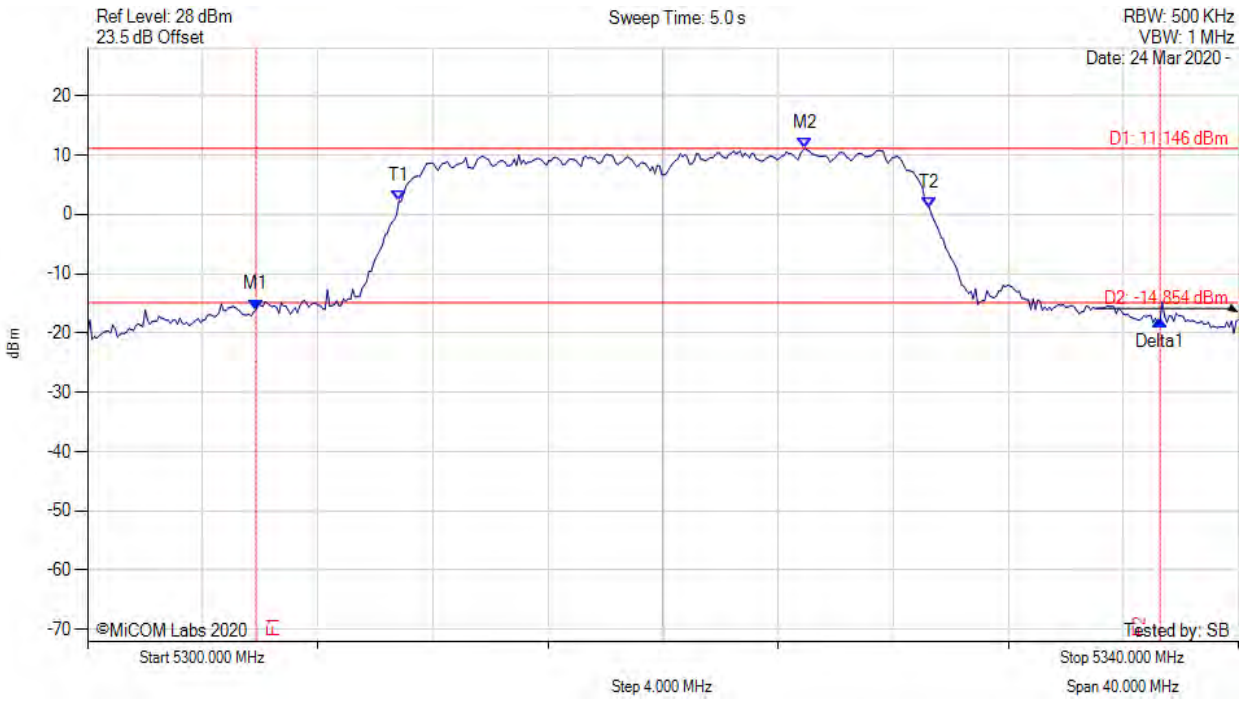
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5305.852 MHz : -16.073 dBm M2 : 5324.930 MHz : 11.146 dBm Delta1 : 31.423 MHz : -1.775 dB T1 : 5310.822 MHz : 2.224 dBm T2 : 5329.259 MHz : 1.089 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 31.423 MHz Measured 99% Bandwidth: 18.437 MHz

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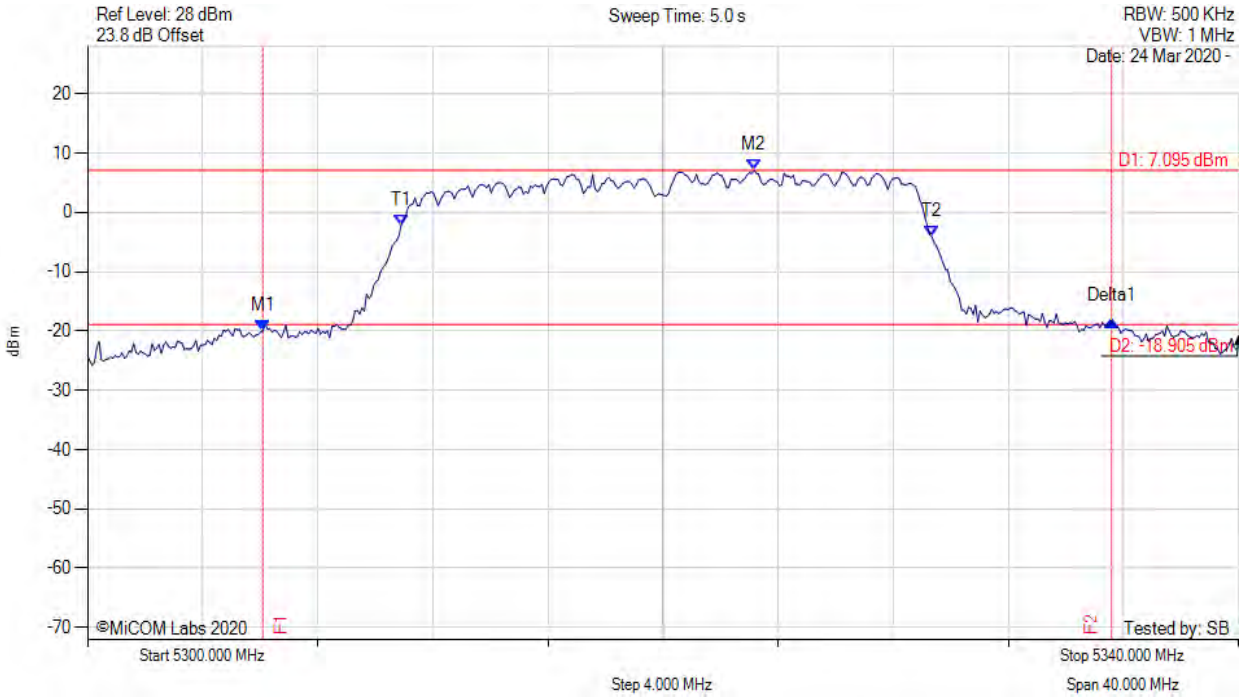
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

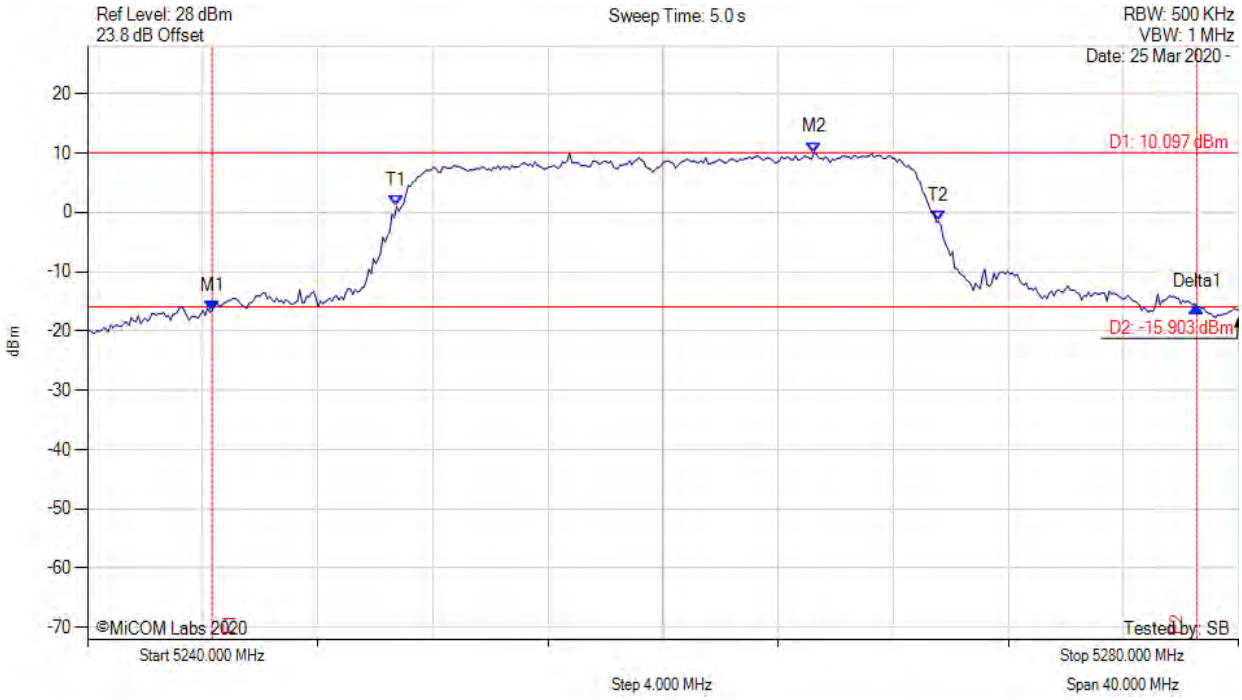


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5306.092 MHz : -19.948 dBm M2 : 5323.166 MHz : 7.095 dBm Delta1 : 29.499 MHz : 1.609 dB T1 : 5310.902 MHz : -2.124 dBm T2 : 5329.339 MHz : -4.074 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 29.499 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5244.329 MHz : -16.651 dBm M2 : 5265.251 MHz : 10.097 dBm Delta1 : 34.228 MHz : 0.677 dB T1 : 5250.741 MHz : 1.004 dBm T2 : 5269.579 MHz : -1.536 dBm OBW : 18.838 MHz	Measured 26 dB Bandwidth: 34.228 MHz Measured 99% Bandwidth: 18.838 MHz

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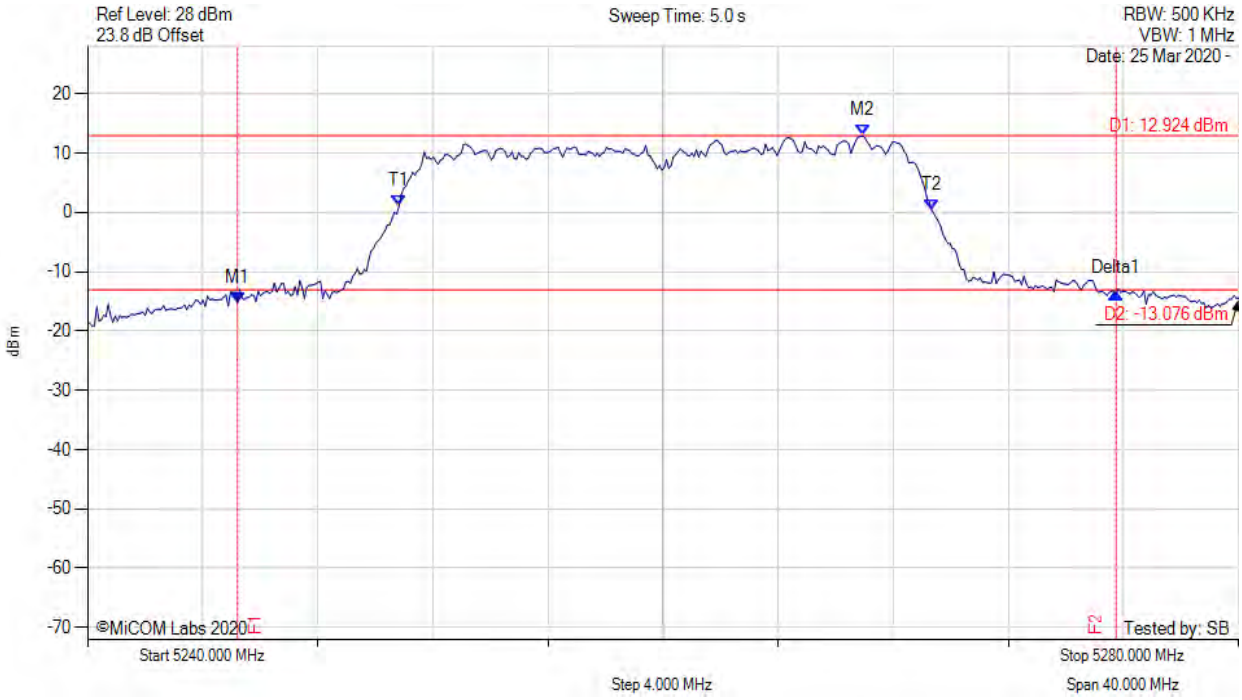
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5245.210 MHz : -15.185 dBm M2 : 5266.934 MHz : 12.924 dBm Delta1 : 30.541 MHz : 1.460 dB T1 : 5250.822 MHz : 0.998 dBm T2 : 5269.339 MHz : 0.329 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 30.541 MHz Measured 99% Bandwidth: 18.517 MHz

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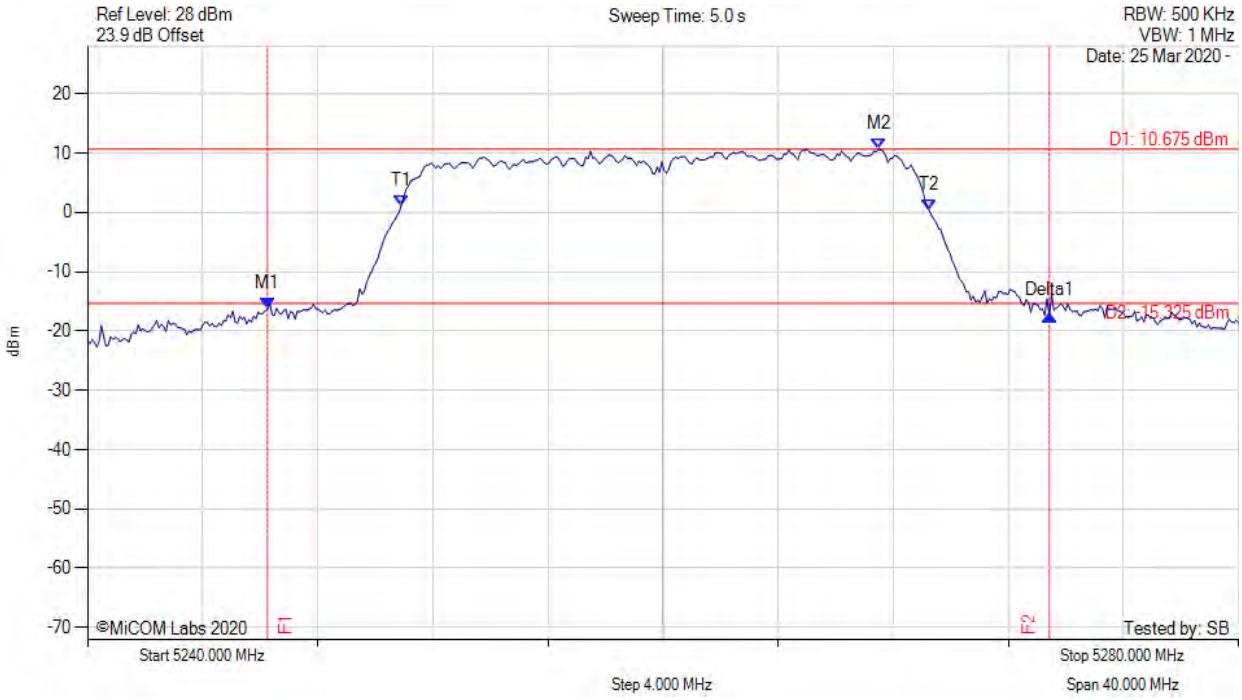
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5246.253 MHz : -16.250 dBm M2 : 5267.495 MHz : 10.675 dBm Delta1 : 27.174 MHz : -1.074 dB T1 : 5250.902 MHz : 1.136 dBm T2 : 5269.259 MHz : 0.319 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 27.174 MHz Measured 99% Bandwidth: 18.357 MHz

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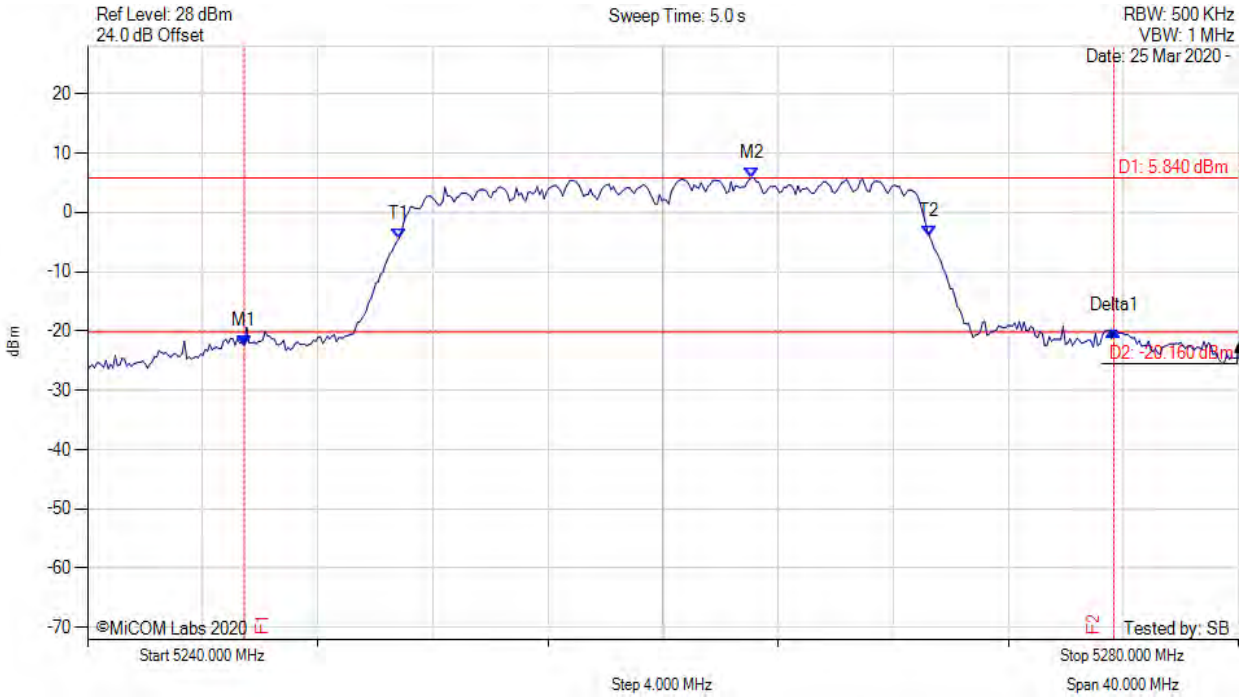
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

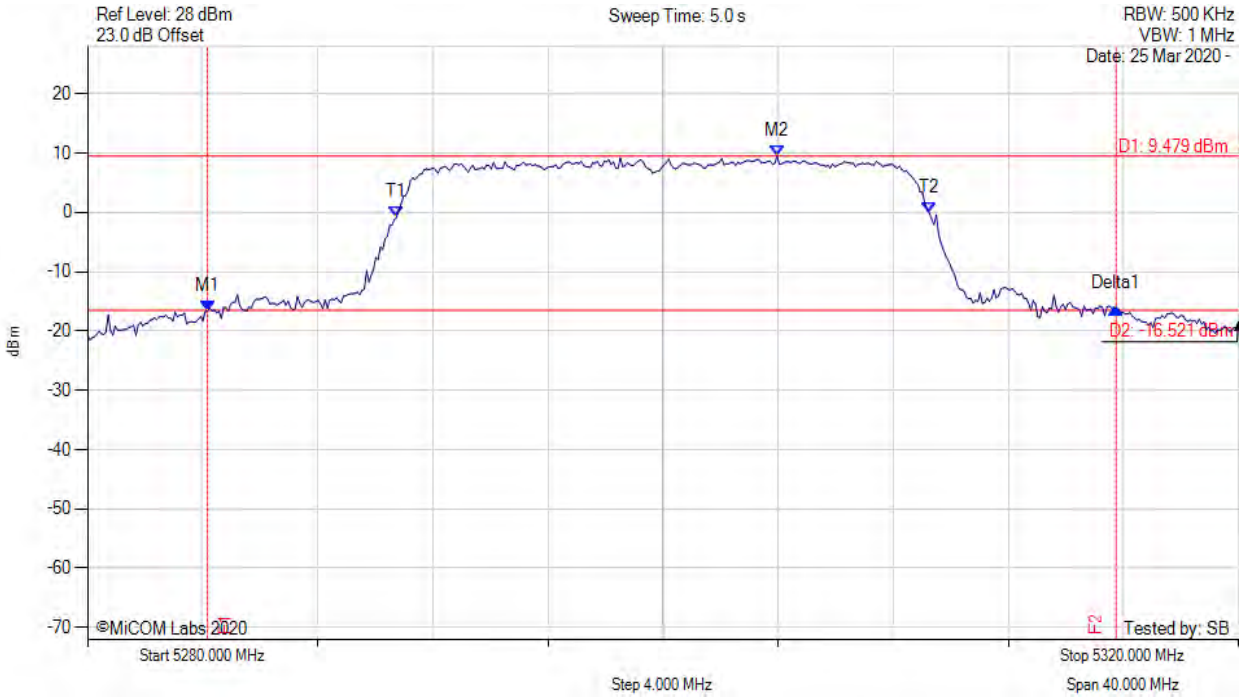


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5245.451 MHz : -22.449 dBm M2 : 5263.086 MHz : 5.840 dBm Delta1 : 30.220 MHz : 2.440 dB T1 : 5250.822 MHz : -4.440 dBm T2 : 5269.259 MHz : -3.989 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 30.220 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

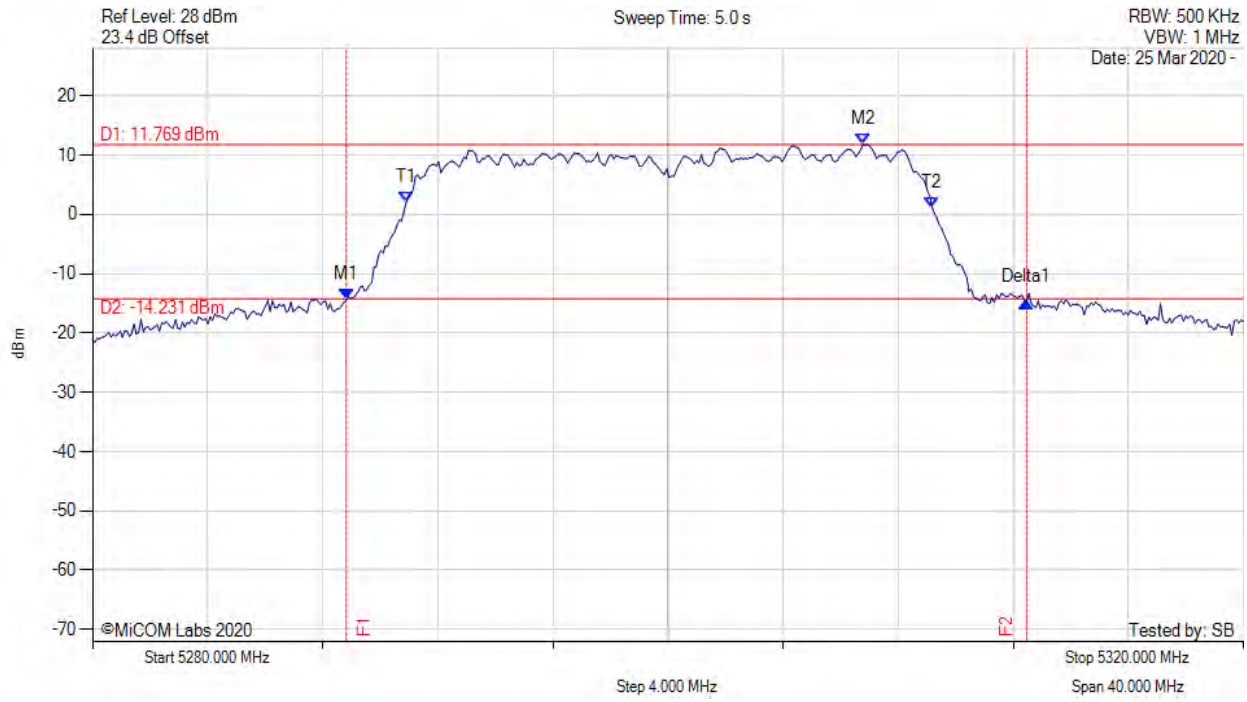


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5284.168 MHz : -16.667 dBm M2 : 5303.968 MHz : 9.479 dBm Delta1 : 31.583 MHz : 0.513 dB T1 : 5290.741 MHz : -0.845 dBm T2 : 5309.259 MHz : -0.092 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 31.583 MHz Measured 99% Bandwidth: 18.517 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

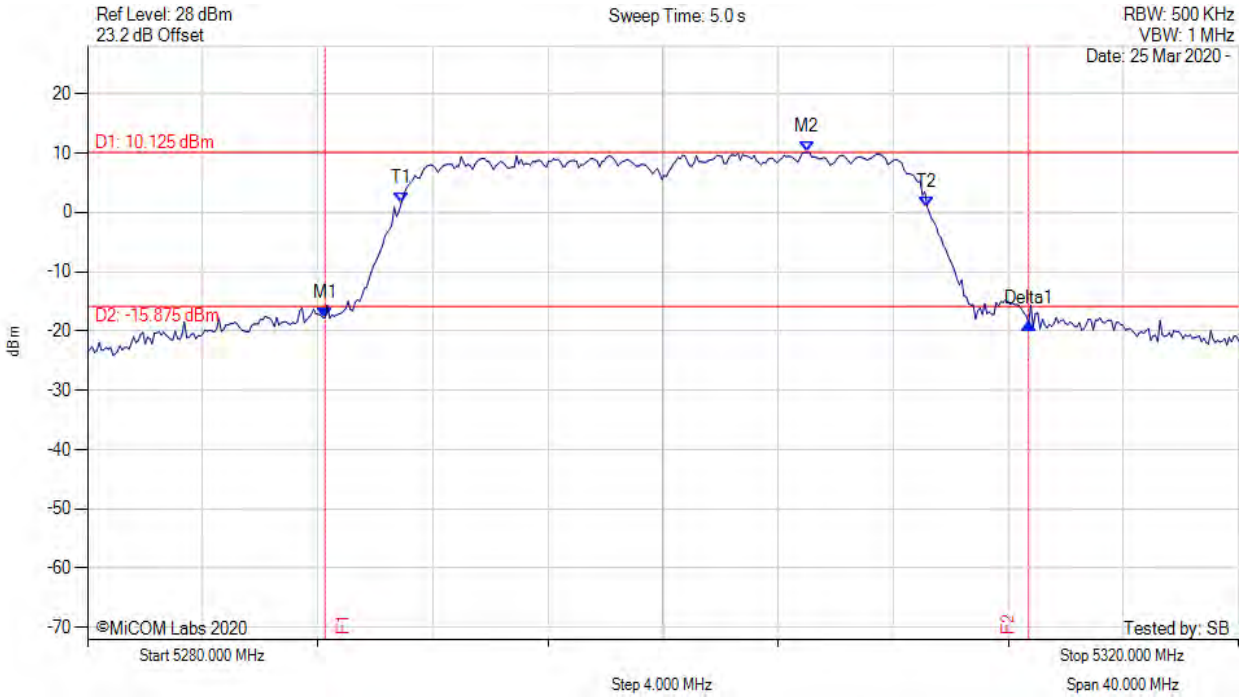


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.818 MHz : -14.408 dBm M2 : 5306.774 MHz : 11.769 dBm Delta1 : 23.647 MHz : -0.313 dB T1 : 5290.902 MHz : 1.988 dBm T2 : 5309.178 MHz : 1.191 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

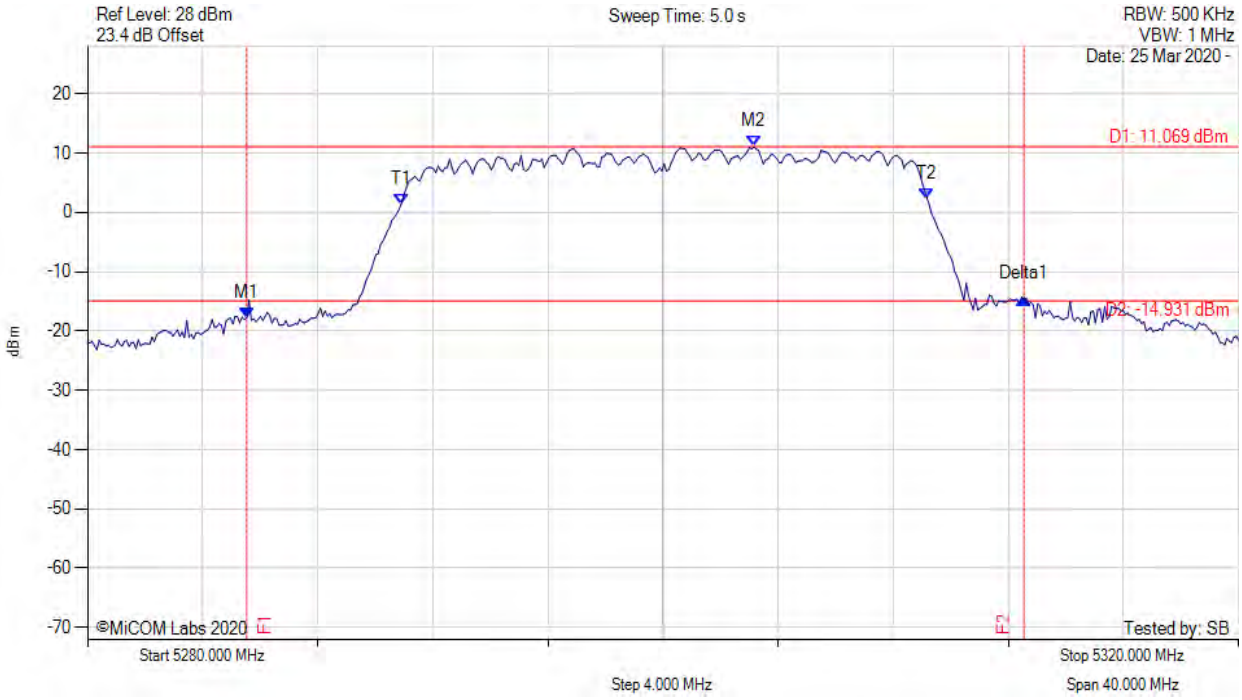


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.257 MHz : -17.778 dBm M2 : 5305.010 MHz : 10.125 dBm Delta1 : 24.449 MHz : -0.972 dB T1 : 5290.902 MHz : 1.508 dBm T2 : 5309.178 MHz : 0.953 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 24.449 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

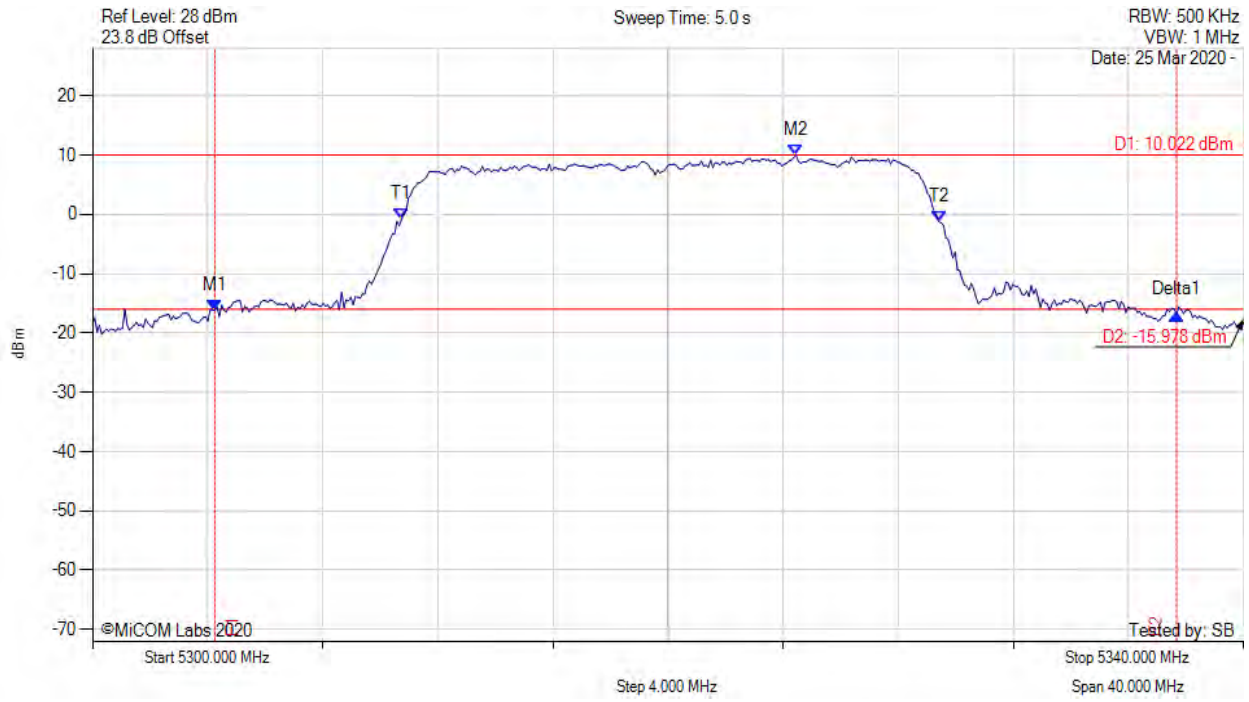


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5285.531 MHz : -17.784 dBm M2 : 5303.166 MHz : 11.069 dBm Delta1 : 27.014 MHz : 3.177 dB T1 : 5290.902 MHz : 1.397 dBm T2 : 5309.178 MHz : 2.336 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 27.014 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

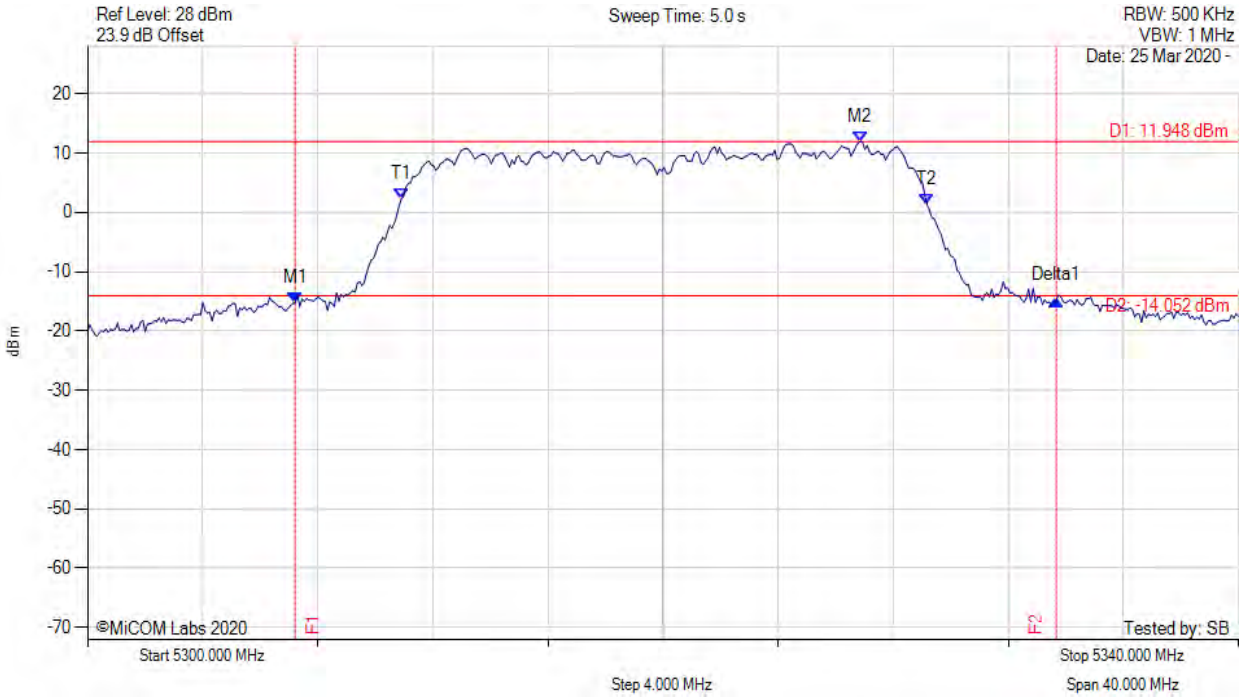


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5304.248 MHz : -16.183 dBm M2 : 5324.449 MHz : 10.022 dBm Delta1 : 33.427 MHz : -0.700 dB T1 : 5310.741 MHz : -0.723 dBm T2 : 5329.419 MHz : -1.221 dBm OBW : 18.677 MHz	Measured 26 dB Bandwidth: 33.427 MHz Measured 99% Bandwidth: 18.677 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

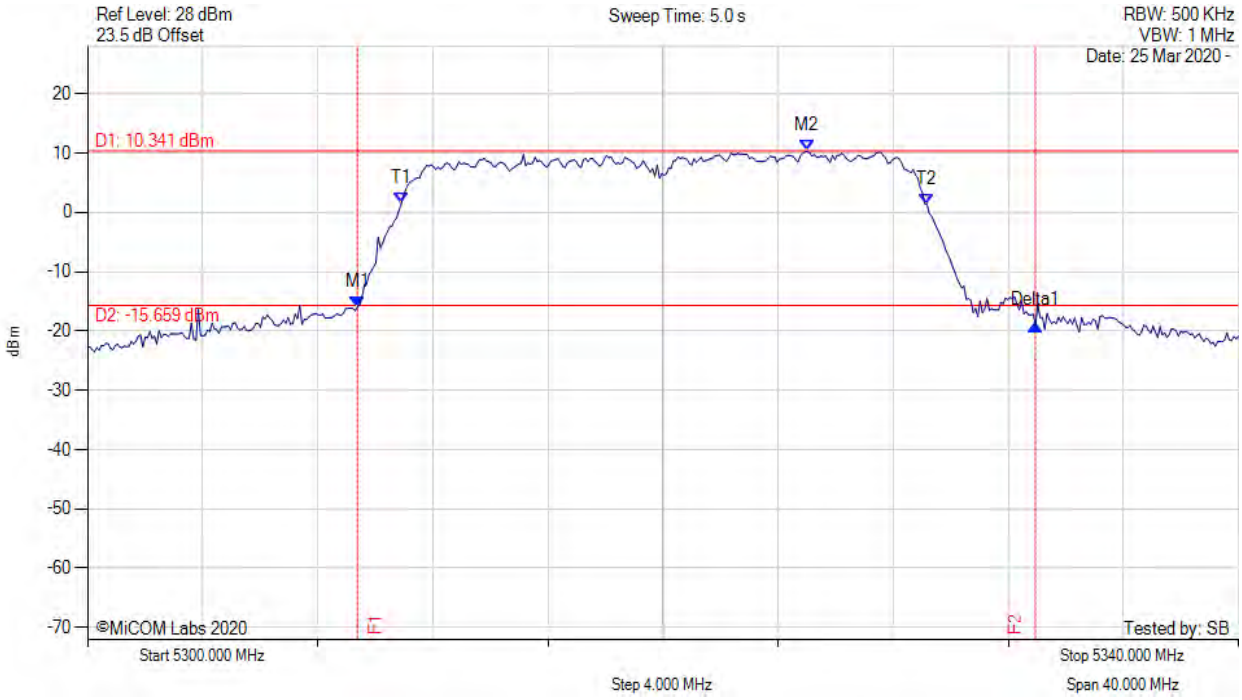


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5307.214 MHz : -15.276 dBm M2 : 5326.854 MHz : 11.948 dBm Delta1 : 26.453 MHz : 0.480 dB T1 : 5310.902 MHz : 2.249 dBm T2 : 5329.178 MHz : 1.232 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 26.453 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

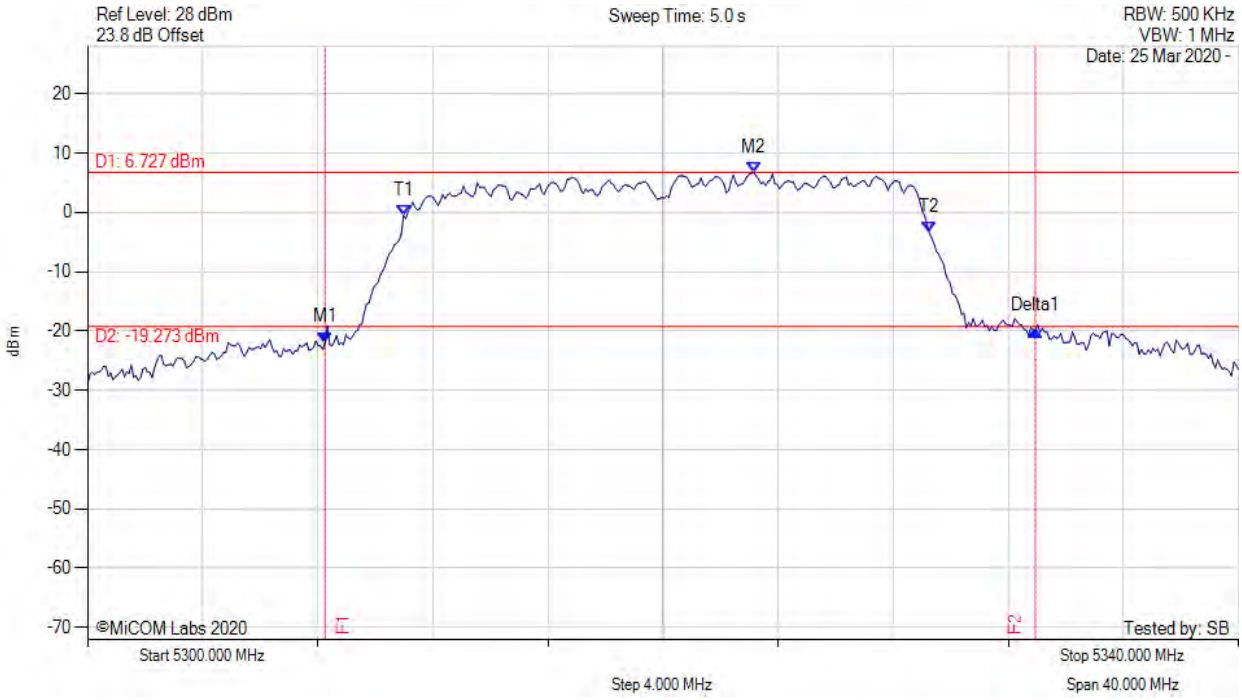


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5309.379 MHz : -15.986 dBm M2 : 5325.010 MHz : 10.341 dBm Delta1 : 23.567 MHz : -3.081 dB T1 : 5310.902 MHz : 1.468 dBm T2 : 5329.178 MHz : 1.331 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 23.567 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

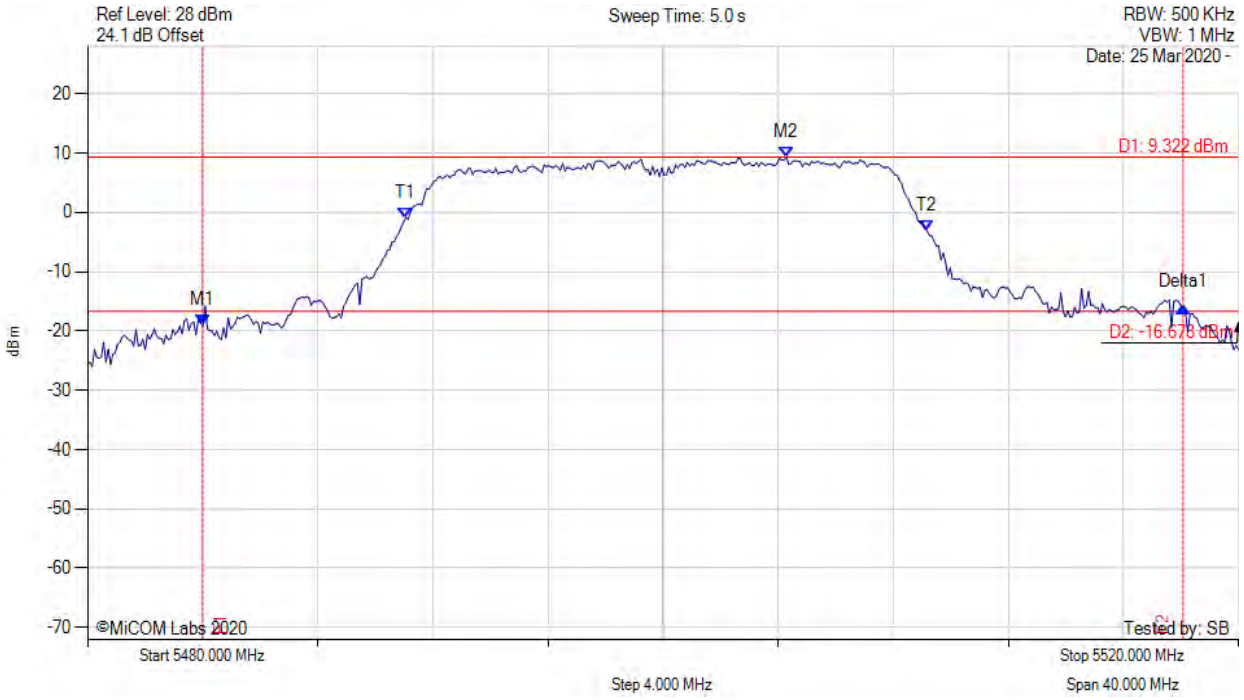


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.257 MHz : -21.937 dBm M2 : 5323.166 MHz : 6.727 dBm Delta1 : 24.689 MHz : 2.044 dB T1 : 5310.982 MHz : -0.491 dBm T2 : 5329.259 MHz : -3.434 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 24.689 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

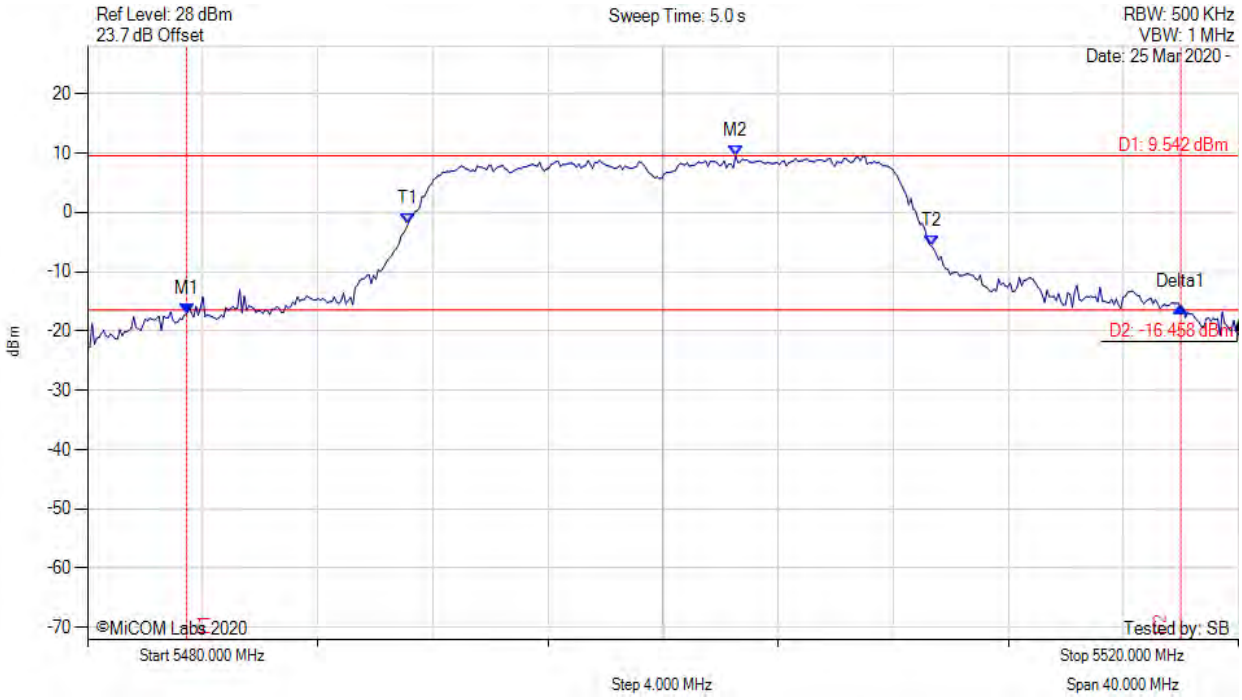


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5484.008 MHz : -19.079 dBm M2 : 5504.289 MHz : 9.322 dBm Delta1 : 34.068 MHz : 3.156 dB T1 : 5491.062 MHz : -0.908 dBm T2 : 5509.178 MHz : -3.181 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 34.068 MHz Measured 99% Bandwidth: 18.116 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

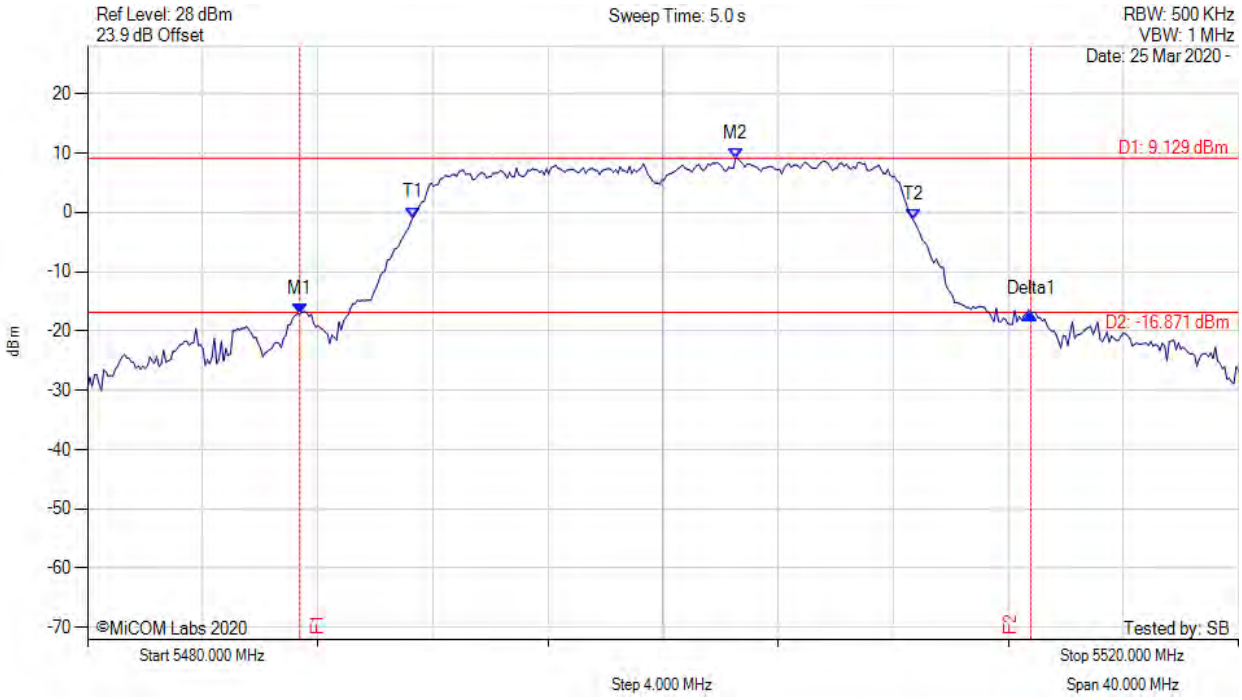


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5483.447 MHz : -17.080 dBm M2 : 5502.525 MHz : 9.542 dBm Delta1 : 34.549 MHz : 1.078 dB T1 : 5491.142 MHz : -1.855 dBm T2 : 5509.339 MHz : -5.715 dBm OBW : 18.196 MHz	Measured 26 dB Bandwidth: 34.549 MHz Measured 99% Bandwidth: 18.196 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

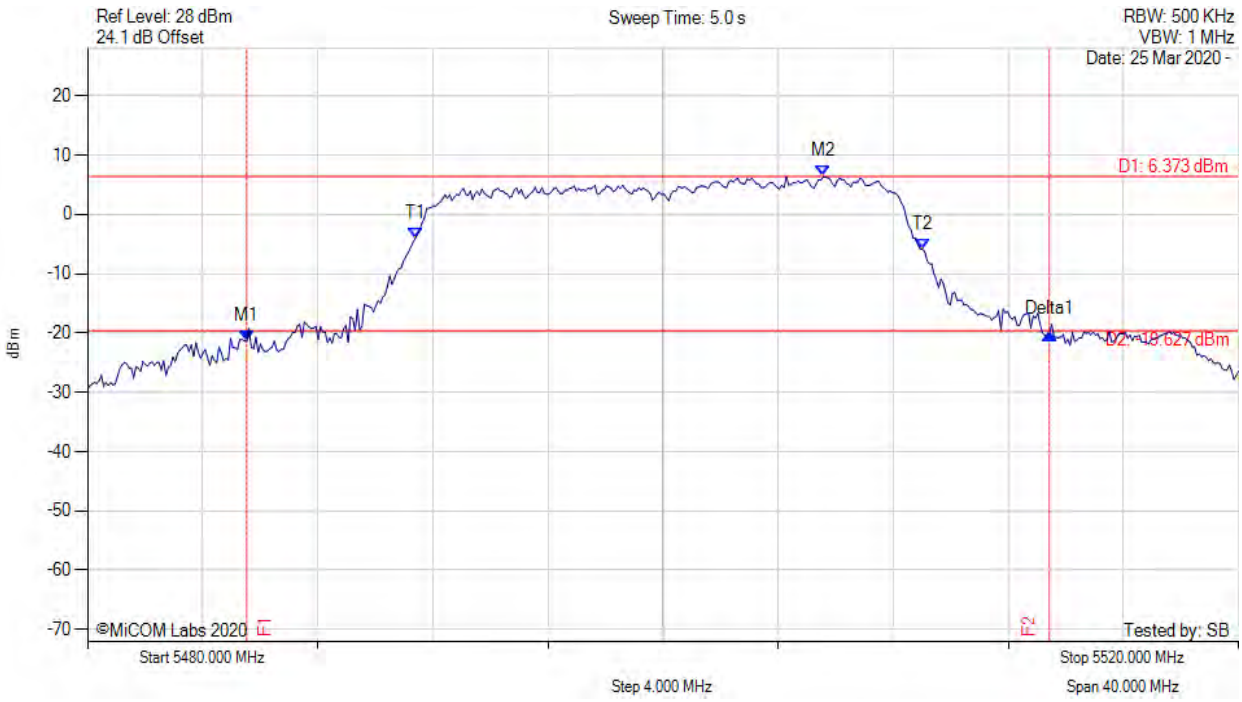


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.375 MHz : -17.123 dBm M2 : 5502.525 MHz : 9.129 dBm Delta1 : 25.411 MHz : 0.063 dB T1 : 5491.303 MHz : -0.897 dBm T2 : 5508.697 MHz : -1.312 dBm OBW : 17.395 MHz	Measured 26 dB Bandwidth: 25.411 MHz Measured 99% Bandwidth: 17.395 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

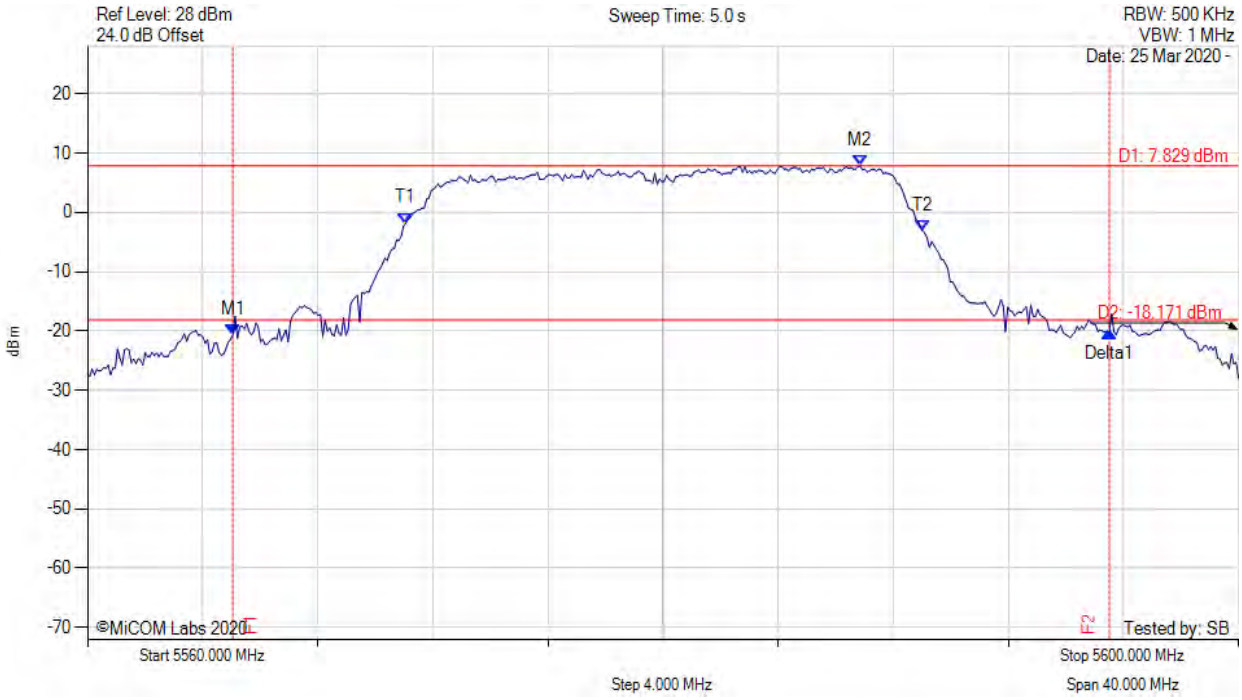


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5485.531 MHz : -21.394 dBm M2 : 5505.571 MHz : 6.373 dBm Delta1 : 27.896 MHz : 1.306 dB T1 : 5491.383 MHz : -4.097 dBm T2 : 5509.018 MHz : -5.901 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 27.896 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

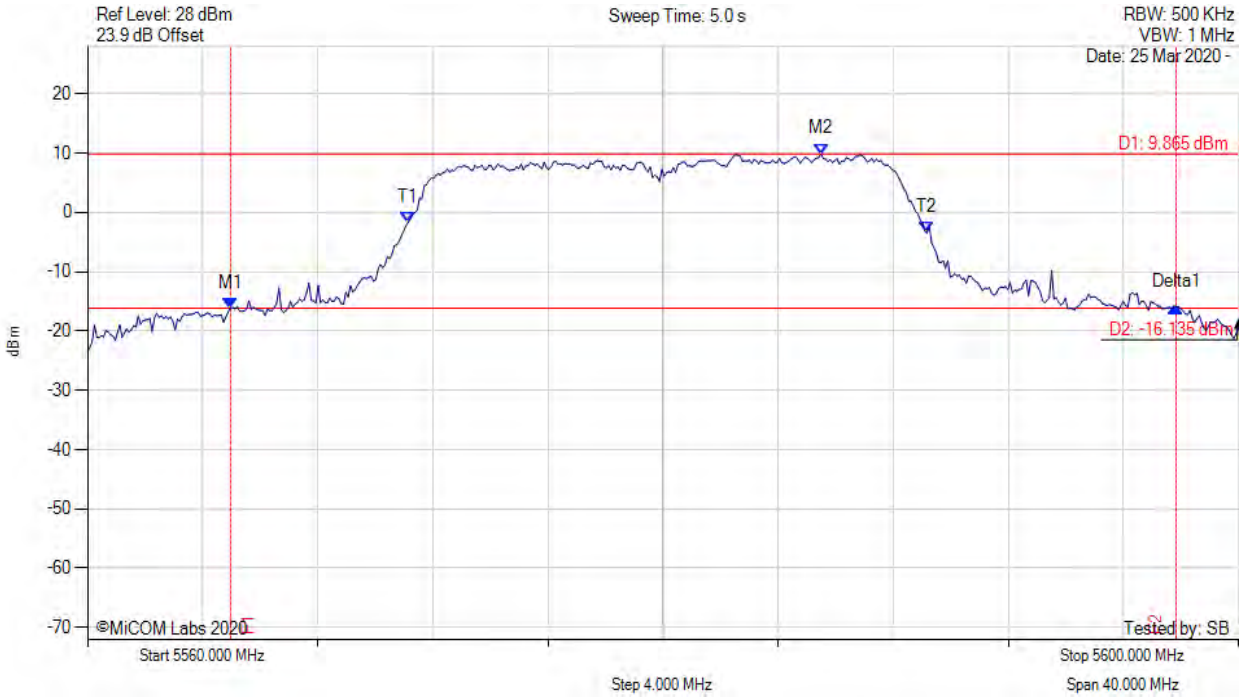


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5565.050 MHz : -20.578 dBm M2 : 5586.854 MHz : 7.829 dBm Delta1 : 30.461 MHz : 0.384 dB T1 : 5571.062 MHz : -1.817 dBm T2 : 5589.018 MHz : -3.065 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 30.461 MHz Measured 99% Bandwidth: 17.956 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

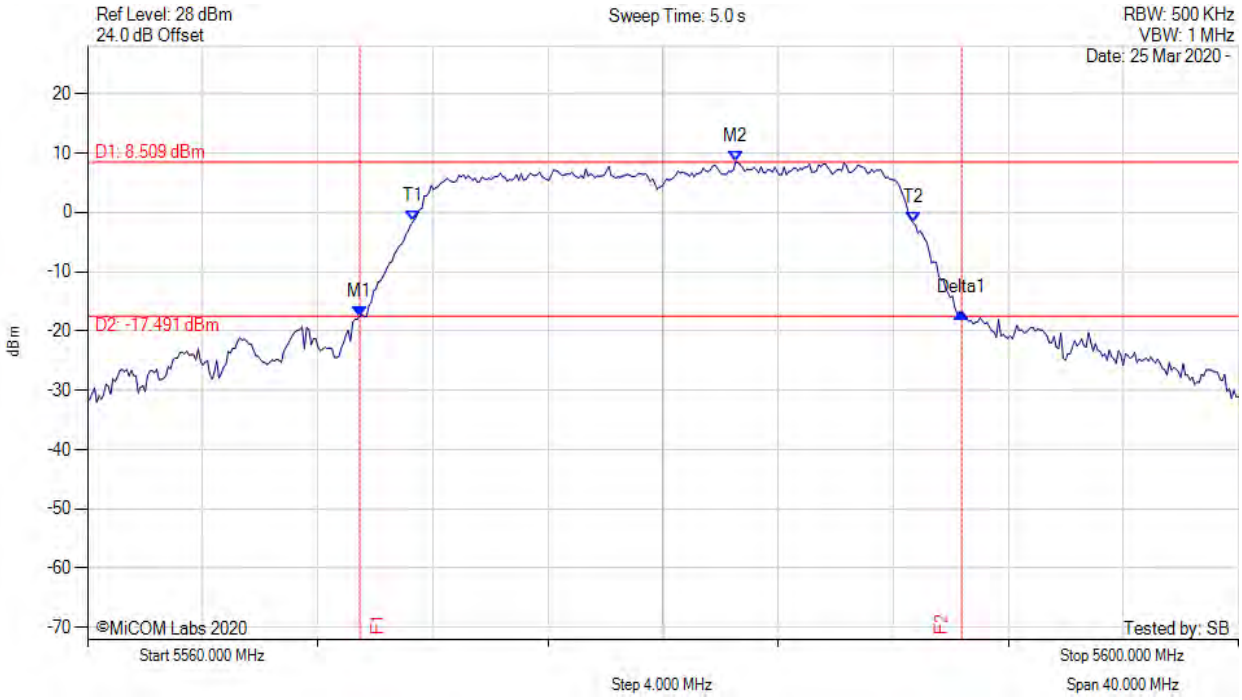


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5564.970 MHz : -16.161 dBm M2 : 5585.491 MHz : 9.865 dBm Delta1 : 32.866 MHz : 0.238 dB T1 : 5571.142 MHz : -1.723 dBm T2 : 5589.178 MHz : -3.413 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 32.866 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

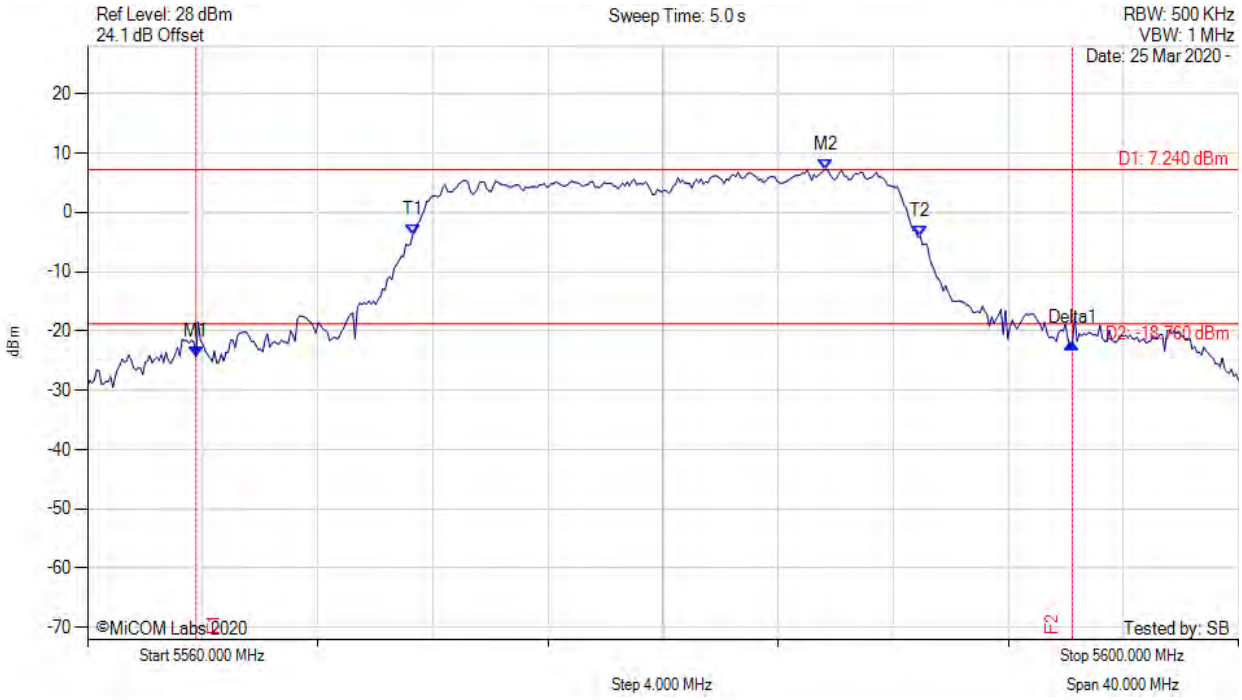


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5569.459 MHz : -17.501 dBm M2 : 5582.525 MHz : 8.509 dBm Delta1 : 20.922 MHz : 0.598 dB T1 : 5571.303 MHz : -1.579 dBm T2 : 5588.697 MHz : -1.731 dBm OBW : 17.395 MHz	Measured 26 dB Bandwidth: 20.922 MHz Measured 99% Bandwidth: 17.395 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

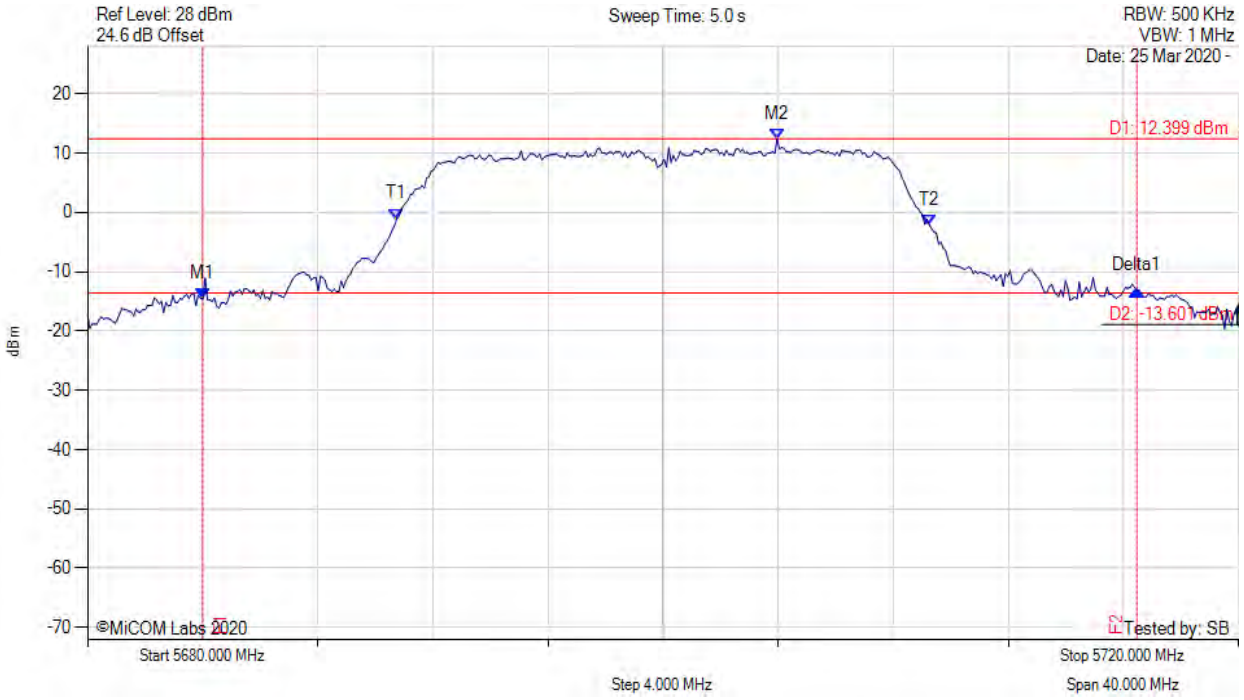


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5563.768 MHz : -24.310 dBm M2 : 5585.651 MHz : 7.240 dBm Delta1 : 30.461 MHz : 2.180 dB T1 : 5571.303 MHz : -3.737 dBm T2 : 5588.938 MHz : -4.005 dBm OBW : 17.635 MHz	Measured 26 dB Bandwidth: 30.461 MHz Measured 99% Bandwidth: 17.635 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.008 MHz : -14.570 dBm M2 : 5703.968 MHz : 12.399 dBm Delta1 : 32.465 MHz : 1.462 dB T1 : 5690.741 MHz : -1.133 dBm T2 : 5709.259 MHz : -2.146 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 32.465 MHz Measured 99% Bandwidth: 18.517 MHz

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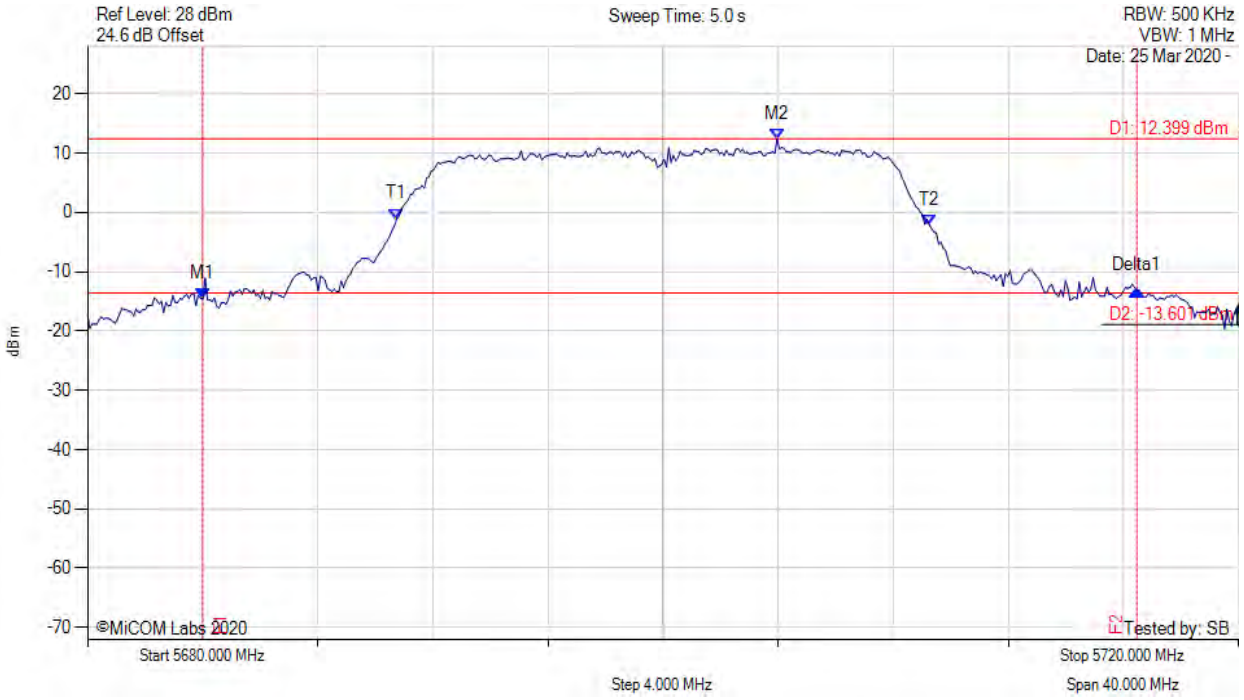
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

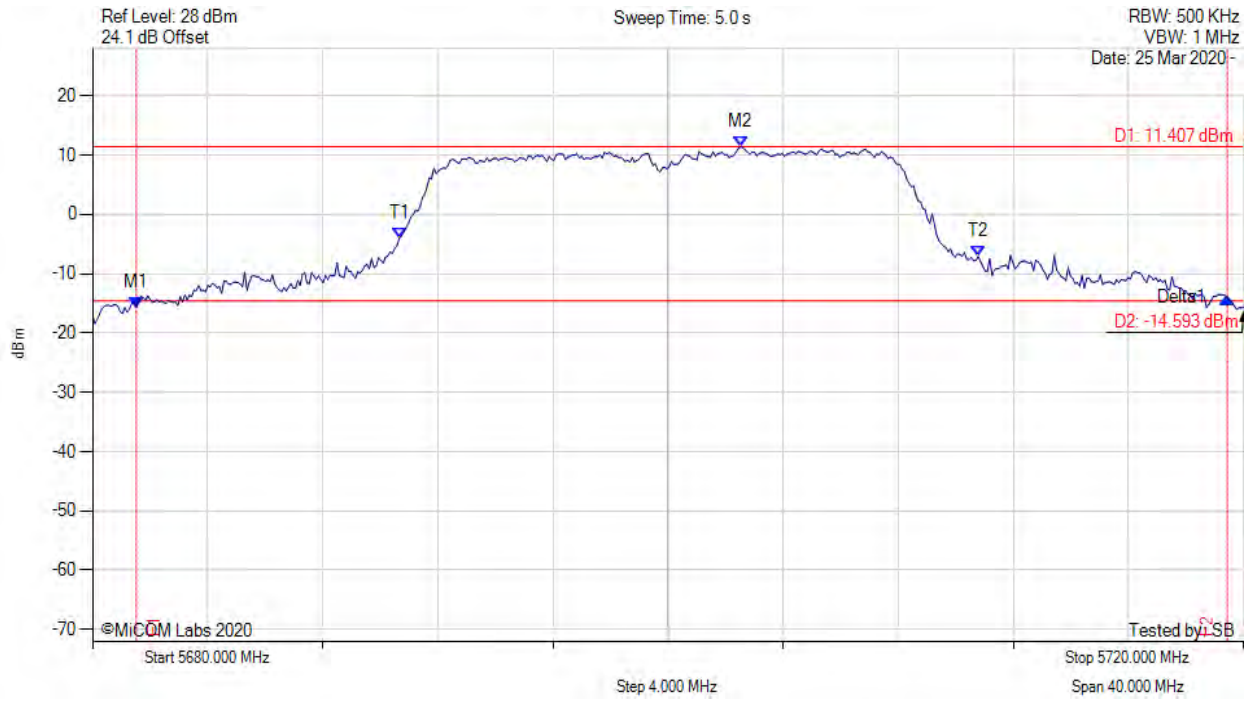


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.008 MHz : -14.570 dBm M2 : 5703.968 MHz : 12.399 dBm Delta1 : 32.465 MHz : 1.462 dB T1 : 5690.741 MHz : -1.133 dBm T2 : 5709.259 MHz : -2.146 dBm OBW : 18.517 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

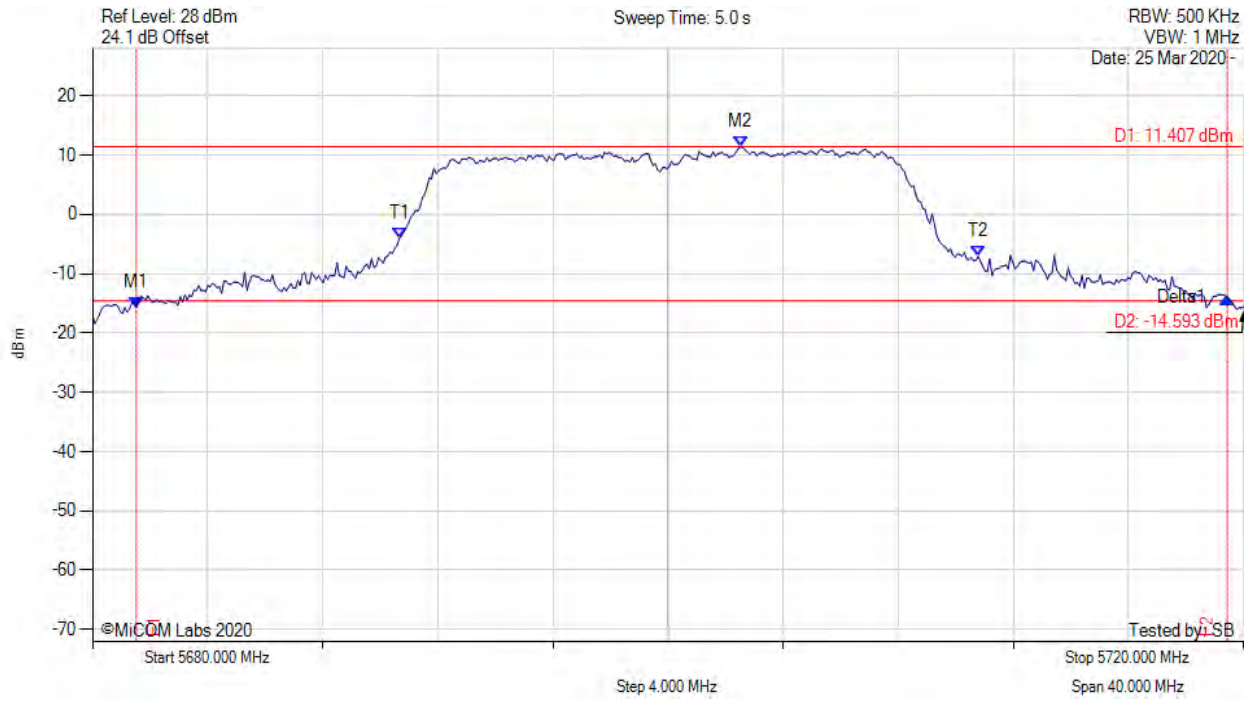


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5681.523 MHz : -15.644 dBm M2 : 5702.525 MHz : 11.407 dBm Delta1 : 37.916 MHz : 1.658 dB T1 : 5690.661 MHz : -3.983 dBm T2 : 5710.782 MHz : -7.115 dBm OBW : 20.120 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

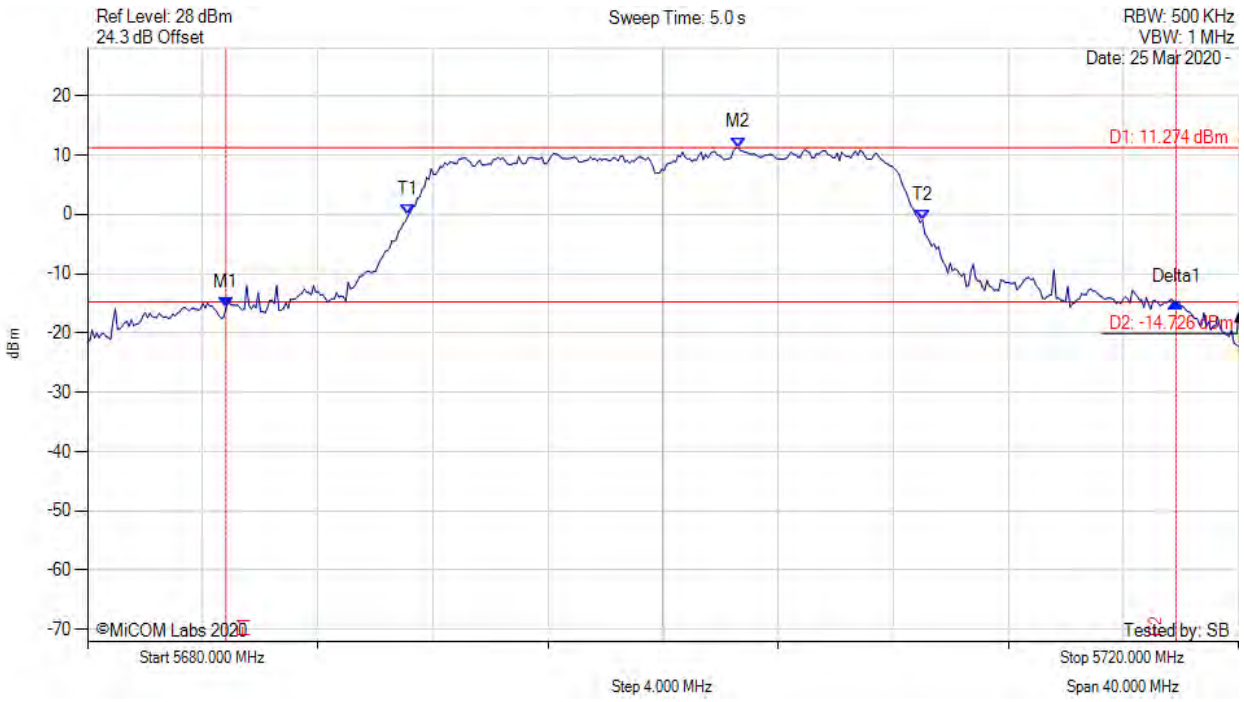


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5681.523 MHz : -15.644 dBm M2 : 5702.525 MHz : 11.407 dBm Delta1 : 37.916 MHz : 1.658 dB T1 : 5690.661 MHz : -3.983 dBm T2 : 5710.782 MHz : -7.115 dBm OBW : 20.120 MHz	Measured 26 dB Bandwidth: 37.916 MHz Measured 99% Bandwidth: 20.120 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.810 MHz : -15.819 dBm M2 : 5702.605 MHz : 11.274 dBm Delta1 : 33.026 MHz : 0.954 dB T1 : 5691.142 MHz : -0.169 dBm T2 : 5709.018 MHz : -0.973 dBm OBW : 17.876 MHz	Measured 26 dB Bandwidth: 33.026 MHz Measured 99% Bandwidth: 17.876 MHz

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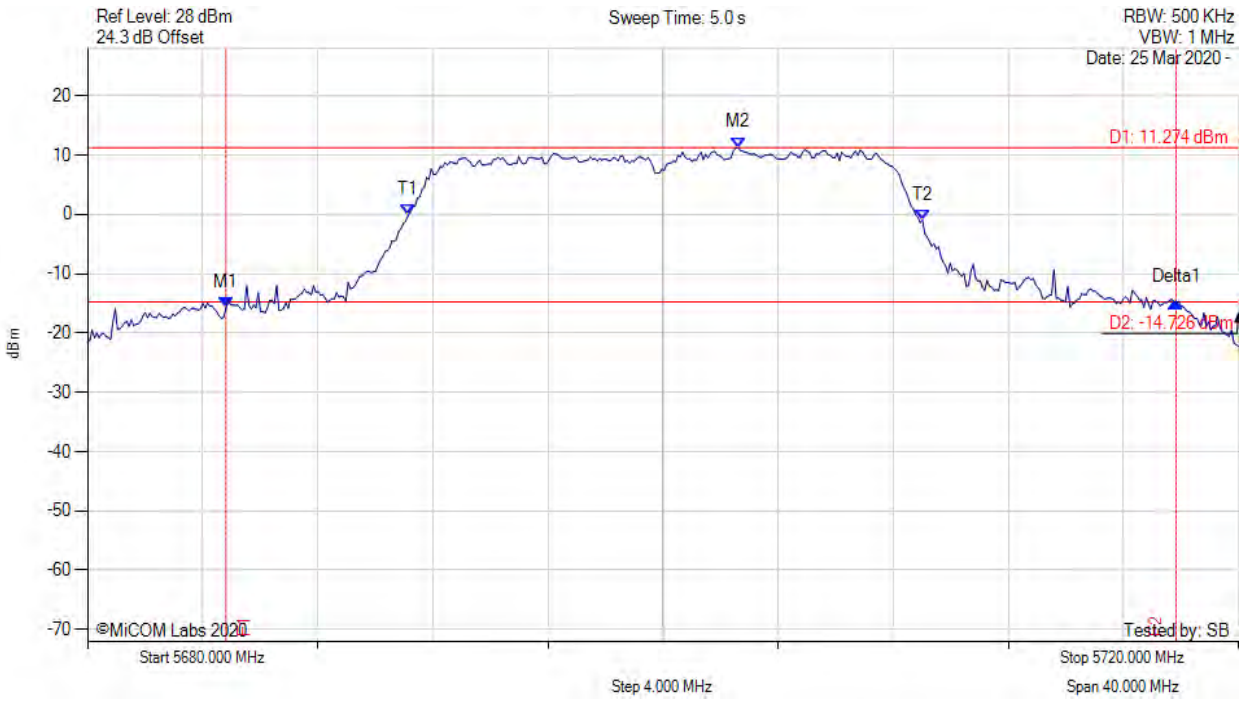
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.810 MHz : -15.819 dBm M2 : 5702.605 MHz : 11.274 dBm Delta1 : 33.026 MHz : 0.954 dB T1 : 5691.142 MHz : -0.169 dBm T2 : 5709.018 MHz : -0.973 dBm OBW : 17.876 MHz	Channel Frequency: 5700.00 MHz

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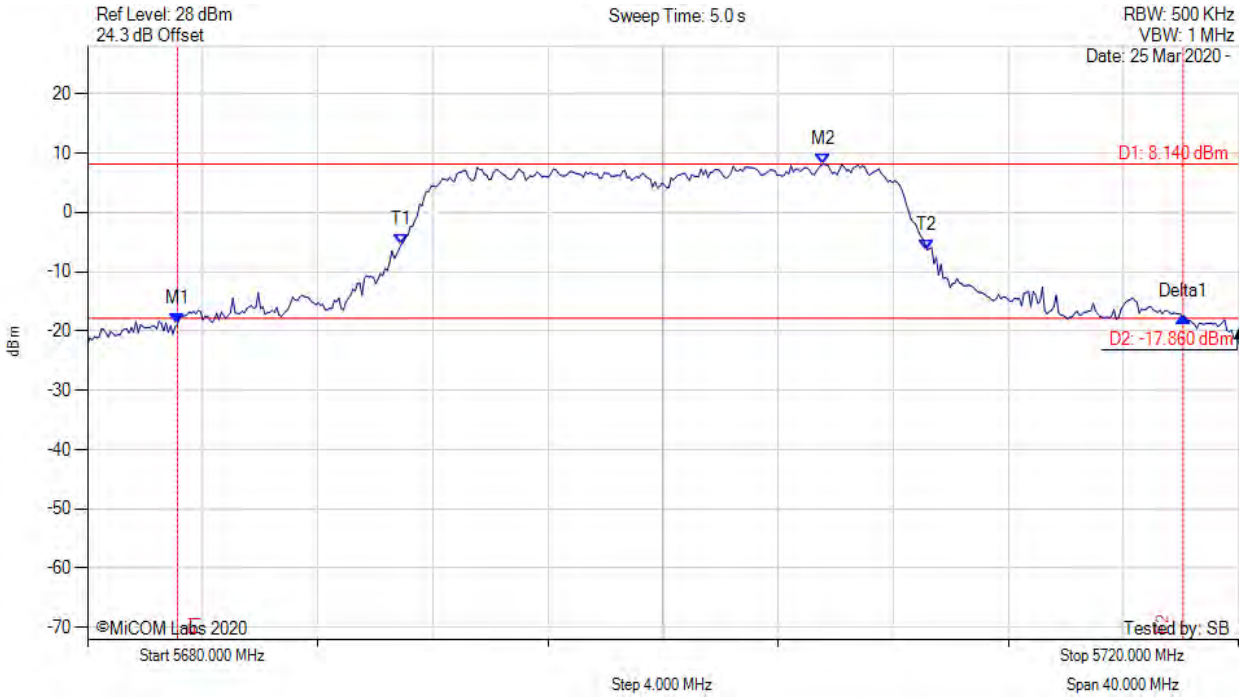
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

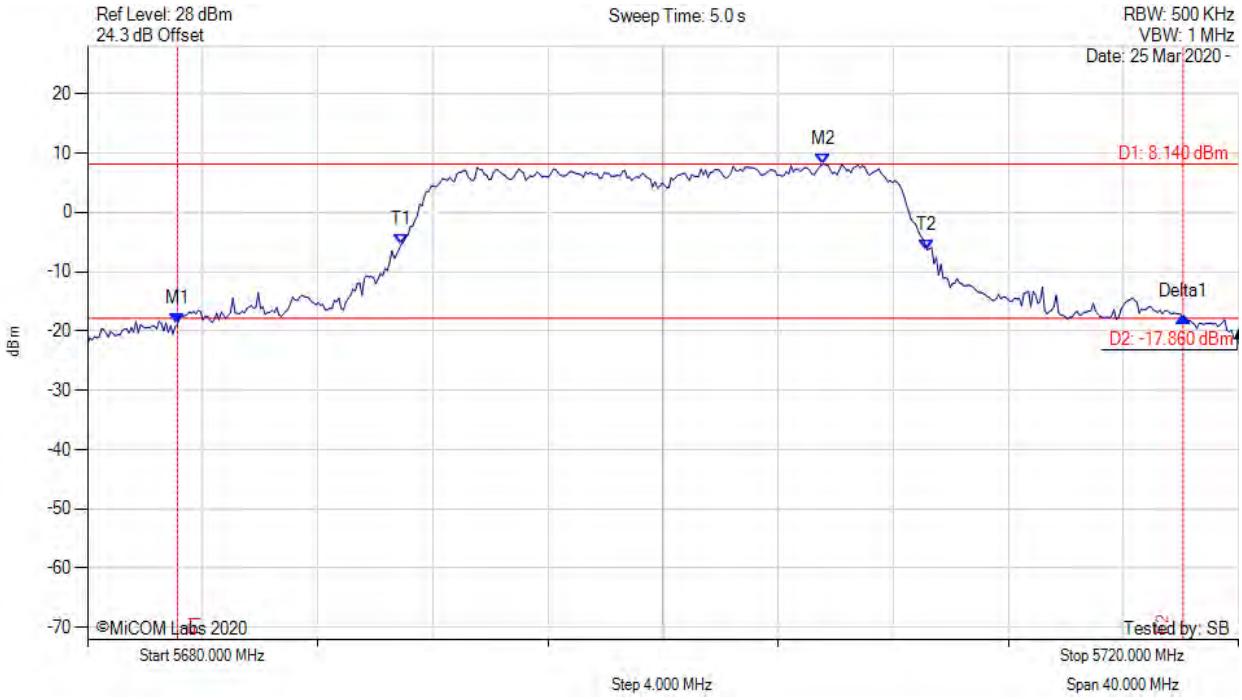


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5683.126 MHz : -18.843 dBm M2 : 5705.571 MHz : 8.140 dBm Delta1 : 34.950 MHz : 1.190 dB T1 : 5690.902 MHz : -5.433 dBm T2 : 5709.178 MHz : -6.376 dBm OBW : 18.277 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

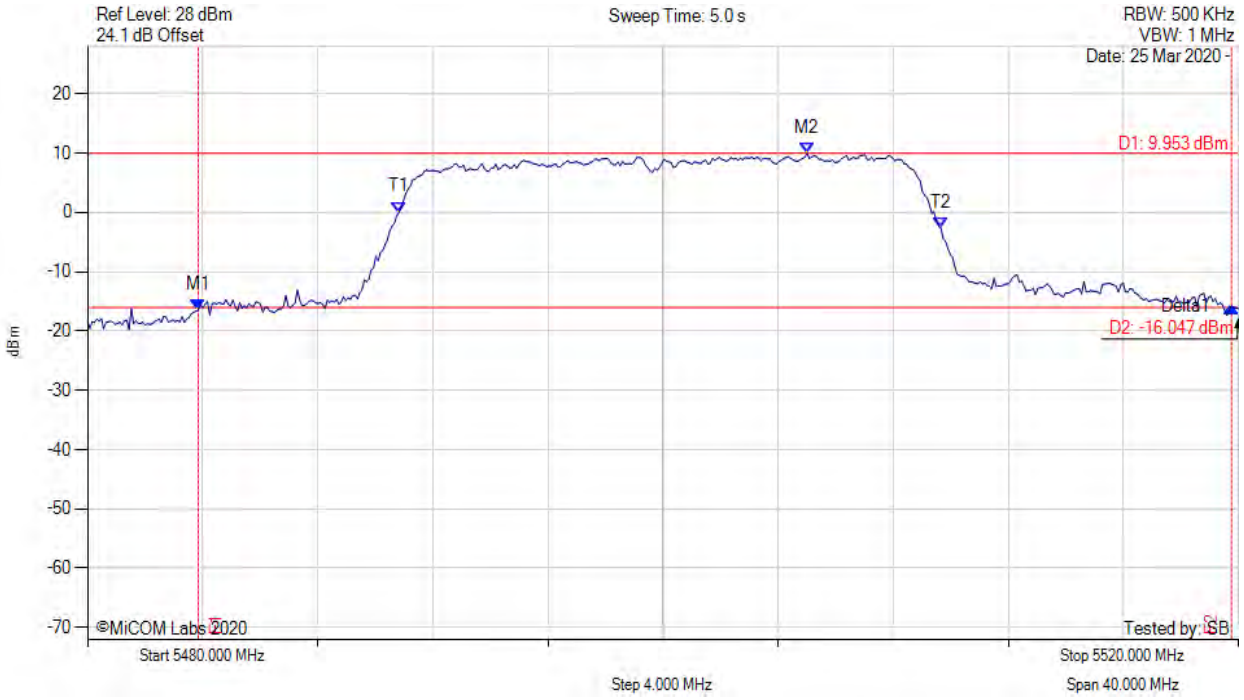


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5683.126 MHz : -18.843 dBm M2 : 5705.571 MHz : 8.140 dBm Delta1 : 34.950 MHz : 1.190 dB T1 : 5690.902 MHz : -5.433 dBm T2 : 5709.178 MHz : -6.376 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 34.950 MHz Measured 99% Bandwidth: 18.277 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

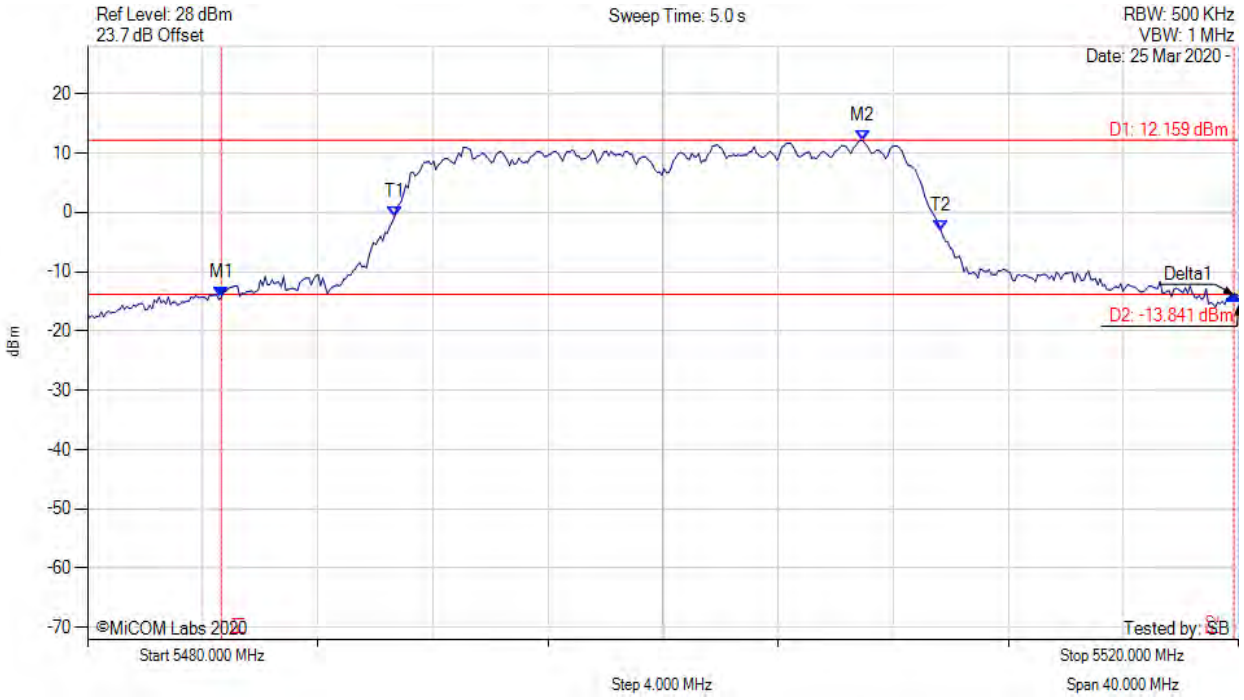


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5483.848 MHz : -16.482 dBm M2 : 5505.010 MHz : 9.953 dBm Delta1 : 35.912 MHz : 0.606 dB T1 : 5490.822 MHz : 0.056 dBm T2 : 5509.659 MHz : -2.681 dBm OBW : 18.838 MHz	Measured 26 dB Bandwidth: 35.912 MHz Measured 99% Bandwidth: 18.838 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

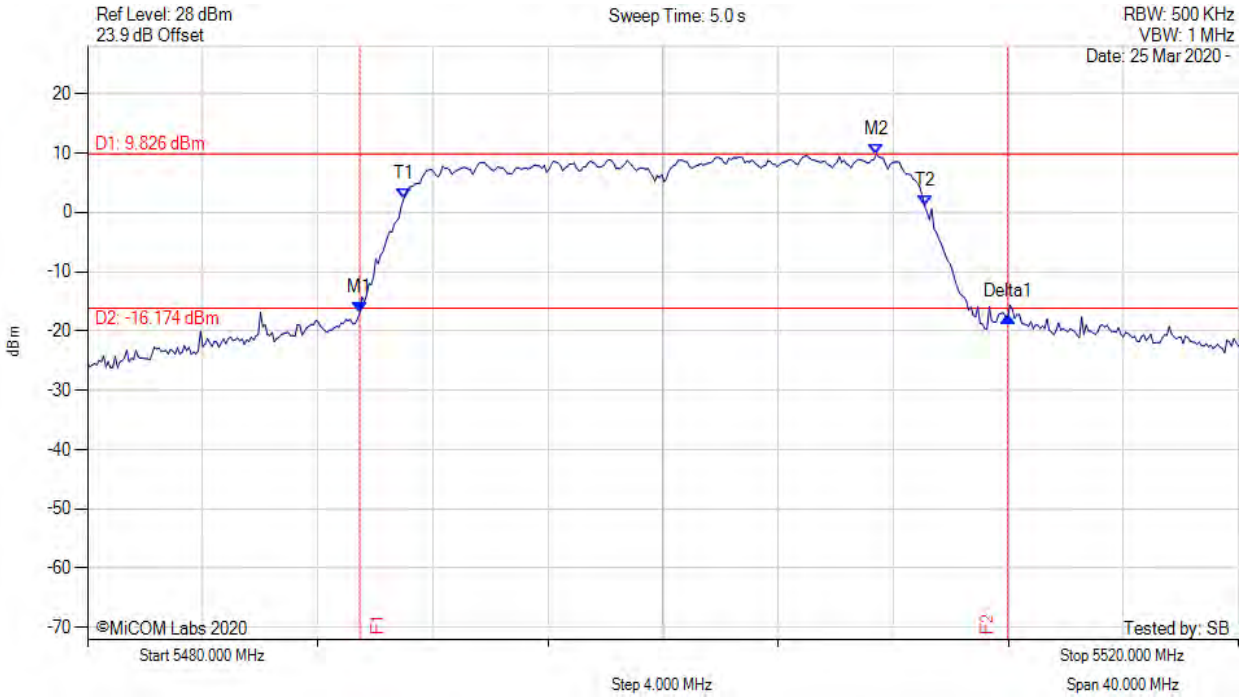


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5484.649 MHz : -14.326 dBm M2 : 5506.934 MHz : 12.159 dBm Delta1 : 35.190 MHz : 0.447 dB T1 : 5490.661 MHz : -0.792 dBm T2 : 5509.659 MHz : -3.118 dBm OBW : 18.998 MHz	Measured 26 dB Bandwidth: 35.190 MHz Measured 99% Bandwidth: 18.998 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

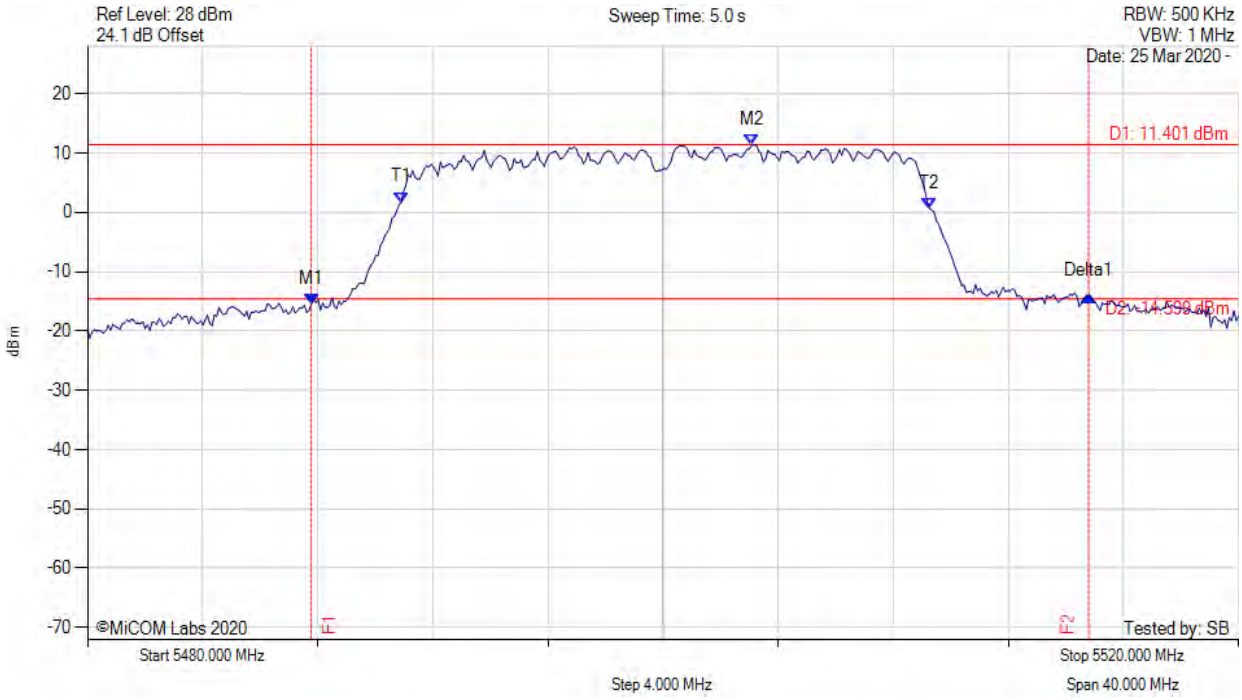


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5489.459 MHz : -16.948 dBm M2 : 5507.415 MHz : 9.826 dBm Delta1 : 22.525 MHz : -0.694 dB T1 : 5490.982 MHz : 2.222 dBm T2 : 5509.098 MHz : 1.045 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 22.525 MHz Measured 99% Bandwidth: 18.116 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

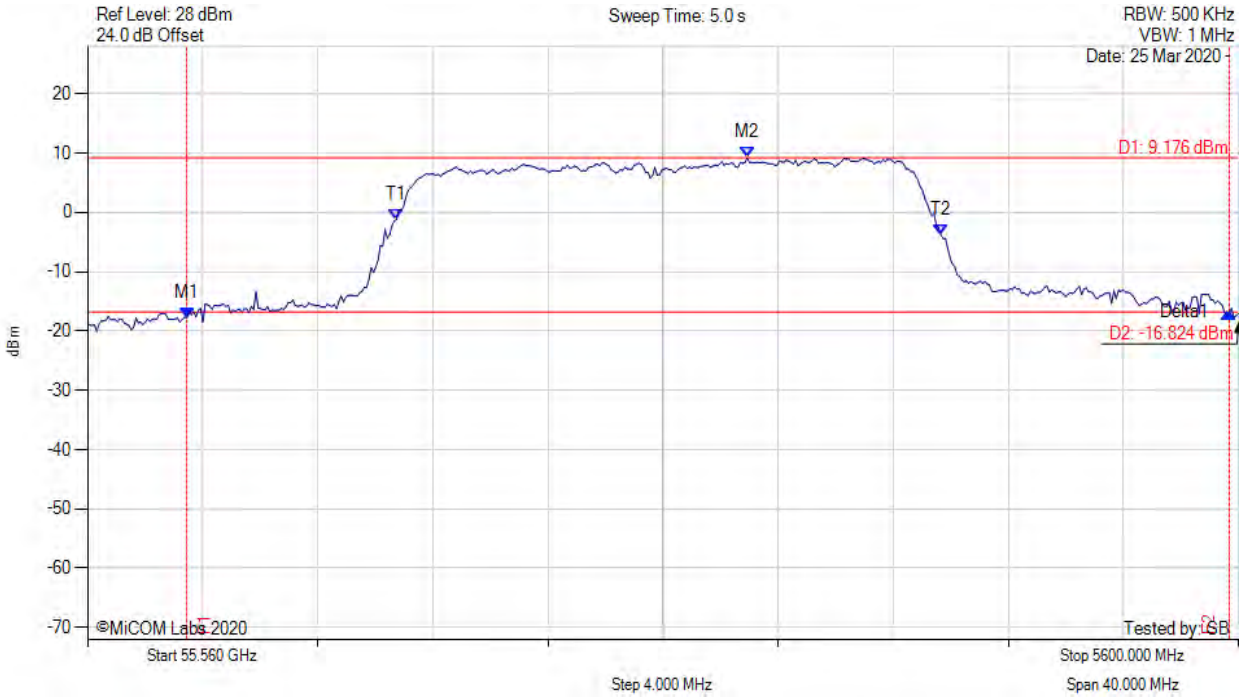


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.776 MHz : -15.467 dBm M2 : 5503.086 MHz : 11.401 dBm Delta1 : 27.014 MHz : 1.399 dB T1 : 5490.902 MHz : 1.687 dBm T2 : 5509.259 MHz : 0.683 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 27.014 MHz Measured 99% Bandwidth: 18.357 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

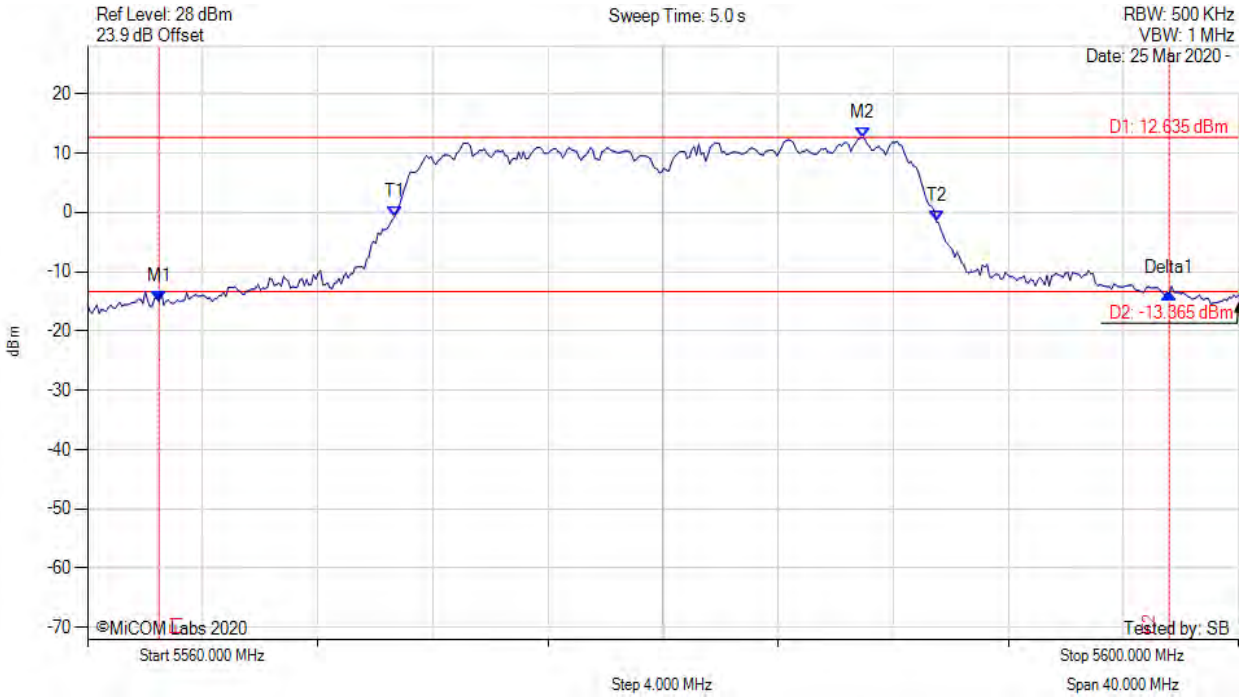


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5563.447 MHz : -17.749 dBm M2 : 5582.926 MHz : 9.176 dBm Delta1 : 36.232 MHz : 0.907 dB T1 : 5570.741 MHz : -1.201 dBm T2 : 5589.659 MHz : -3.859 dBm OBW : 18.918 MHz	Channel Frequency: 5580.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

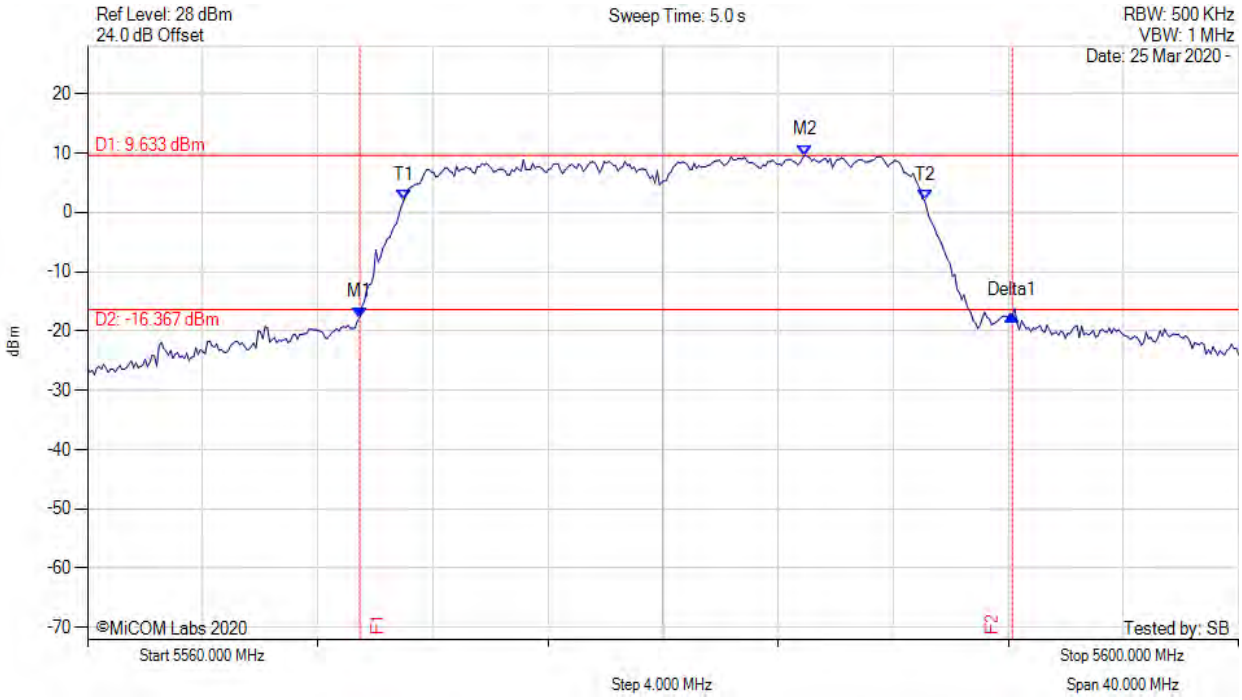


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	ERROR!!! MULTIPLE TEST RESULTS MATCHES...	Measured 26 dB Bandwidth: 35.110 MHz Measured 99% Bandwidth: 18.838 MHz ERROR!!! MULTIPLE TEST RESULTS MATCHES...

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

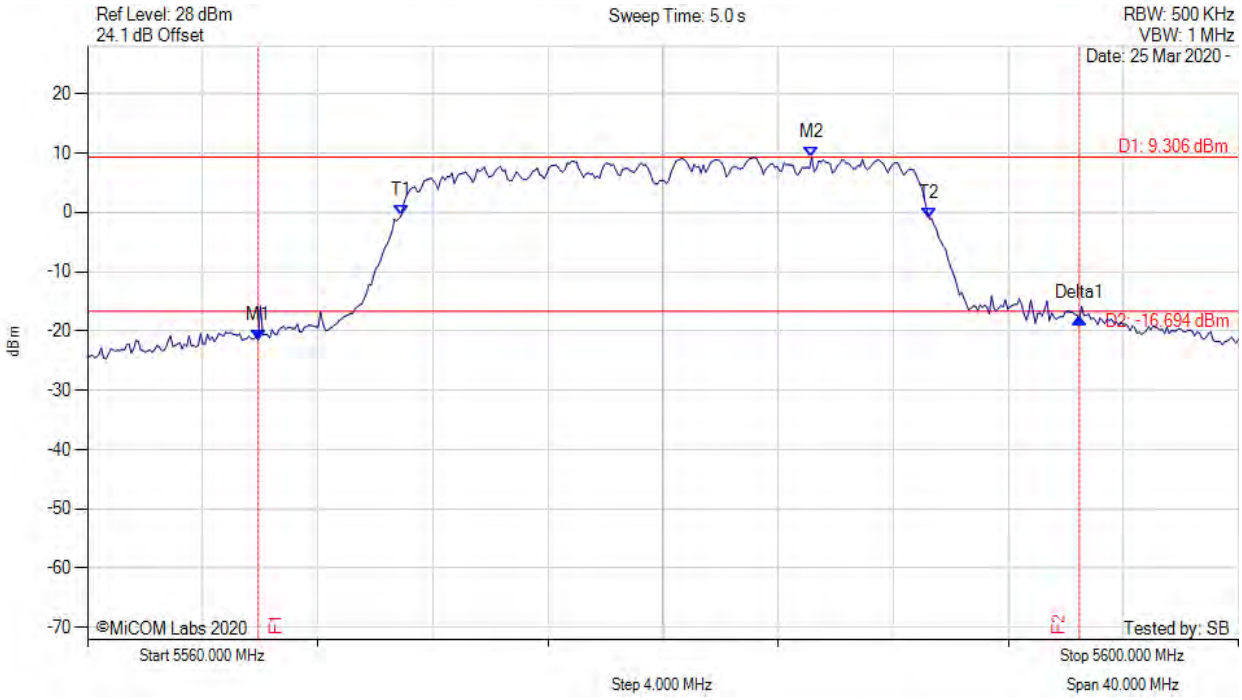


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5569.459 MHz : -17.731 dBm M2 : 5584.930 MHz : 9.633 dBm Delta1 : 22.685 MHz : 0.350 dB T1 : 5570.982 MHz : 1.940 dBm T2 : 5589.098 MHz : 1.972 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 22.685 MHz Measured 99% Bandwidth: 18.116 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

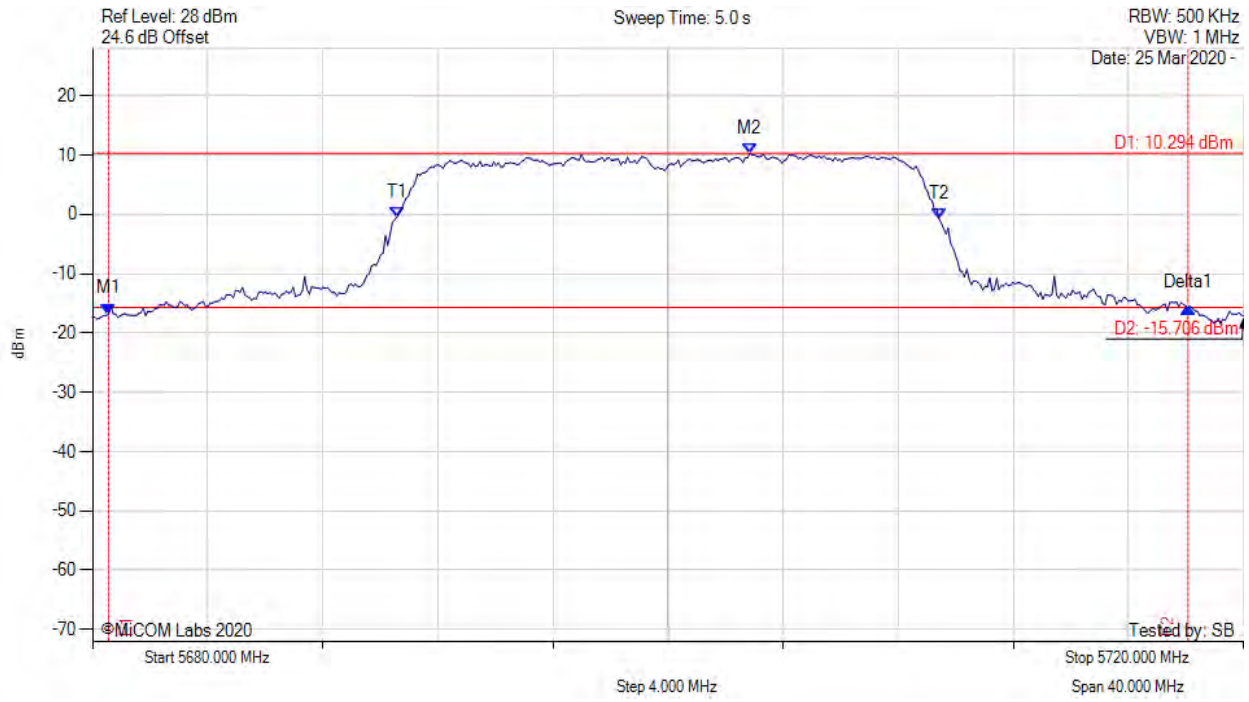


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5565.932 MHz : -21.593 dBm M2 : 5585.170 MHz : 9.306 dBm Delta1 : 28.537 MHz : 3.697 dB T1 : 5570.902 MHz : -0.556 dBm T2 : 5589.259 MHz : -1.054 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 28.537 MHz Measured 99% Bandwidth: 18.357 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

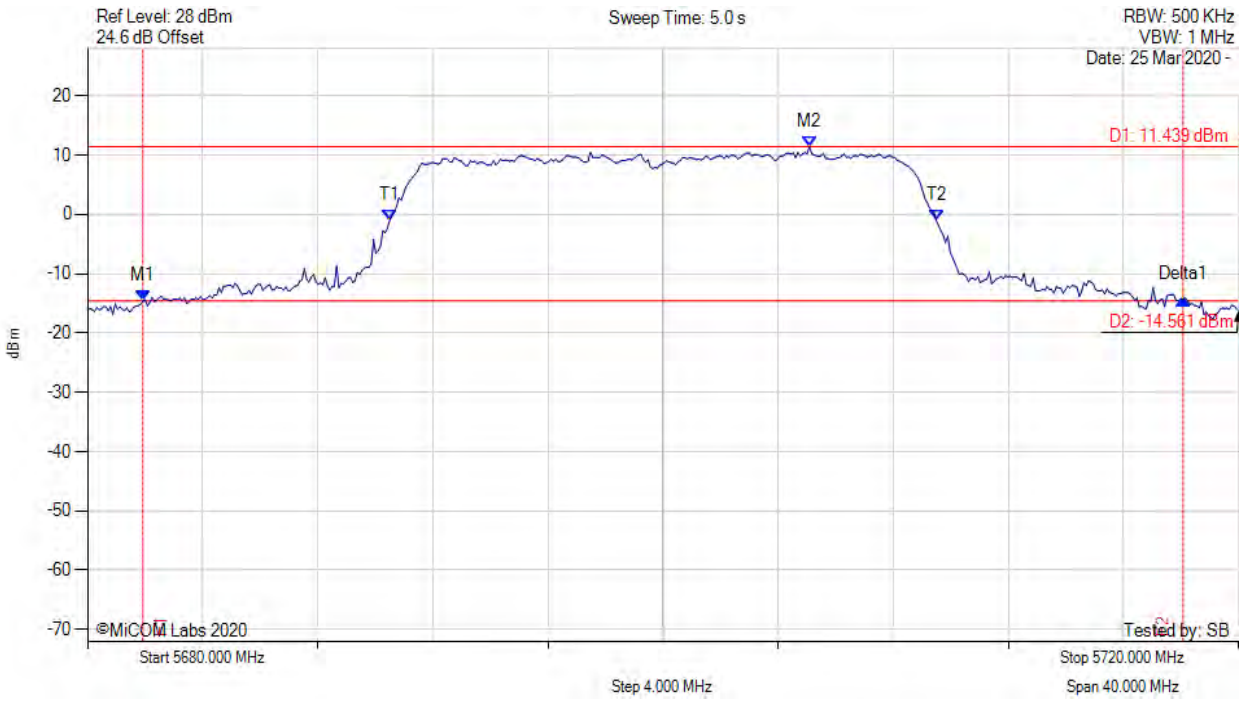


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5680.561 MHz : -16.797 dBm M2 : 5702.846 MHz : 10.294 dBm Delta1 : 37.515 MHz : 1.031 dB T1 : 5690.581 MHz : -0.470 dBm T2 : 5709.419 MHz : -0.731 dBm OBW : 18.838 MHz	Measured 26 dB Bandwidth: 37.515 MHz Measured 99% Bandwidth: 18.838 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

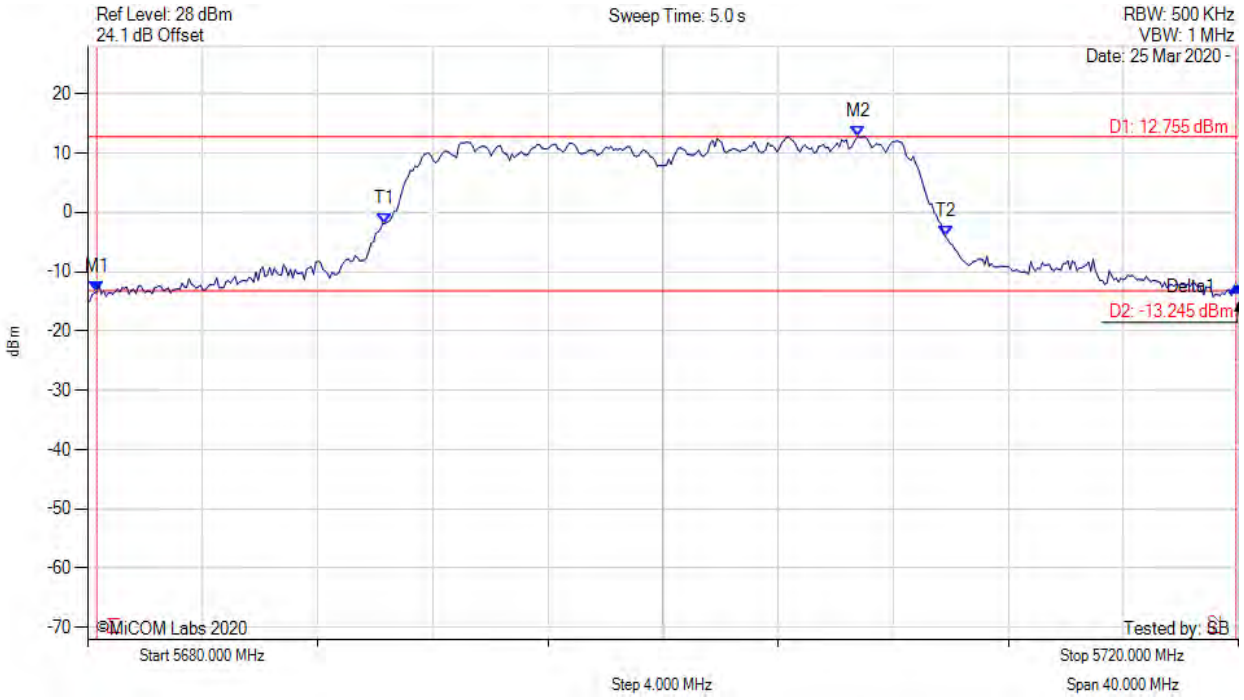


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5681.924 MHz : -14.629 dBm M2 : 5705.090 MHz : 11.439 dBm Delta1 : 36.152 MHz : 0.238 dB T1 : 5690.501 MHz : -0.975 dBm T2 : 5709.499 MHz : -1.097 dBm OBW : 18.998 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

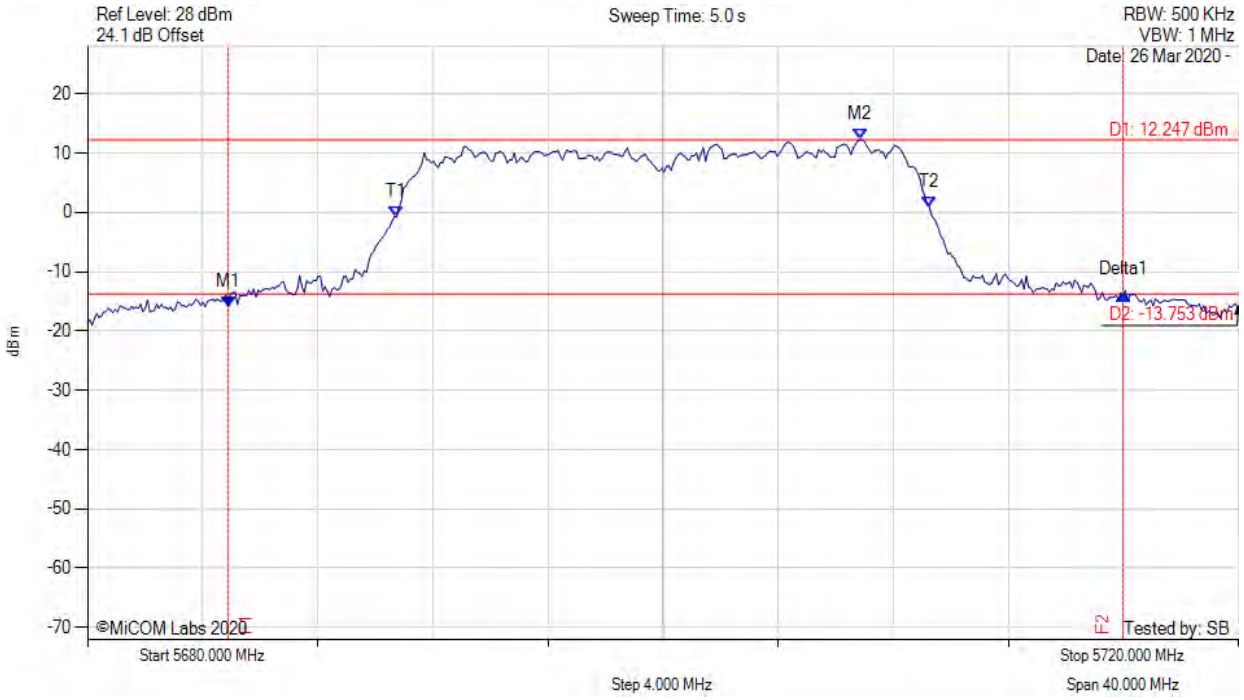


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5680.321 MHz : -13.401 dBm M2 : 5706.774 MHz : 12.755 dBm Delta1 : 39.599 MHz : 0.929 dB T1 : 5690.341 MHz : -1.849 dBm T2 : 5709.820 MHz : -4.117 dBm OBW : 19.479 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

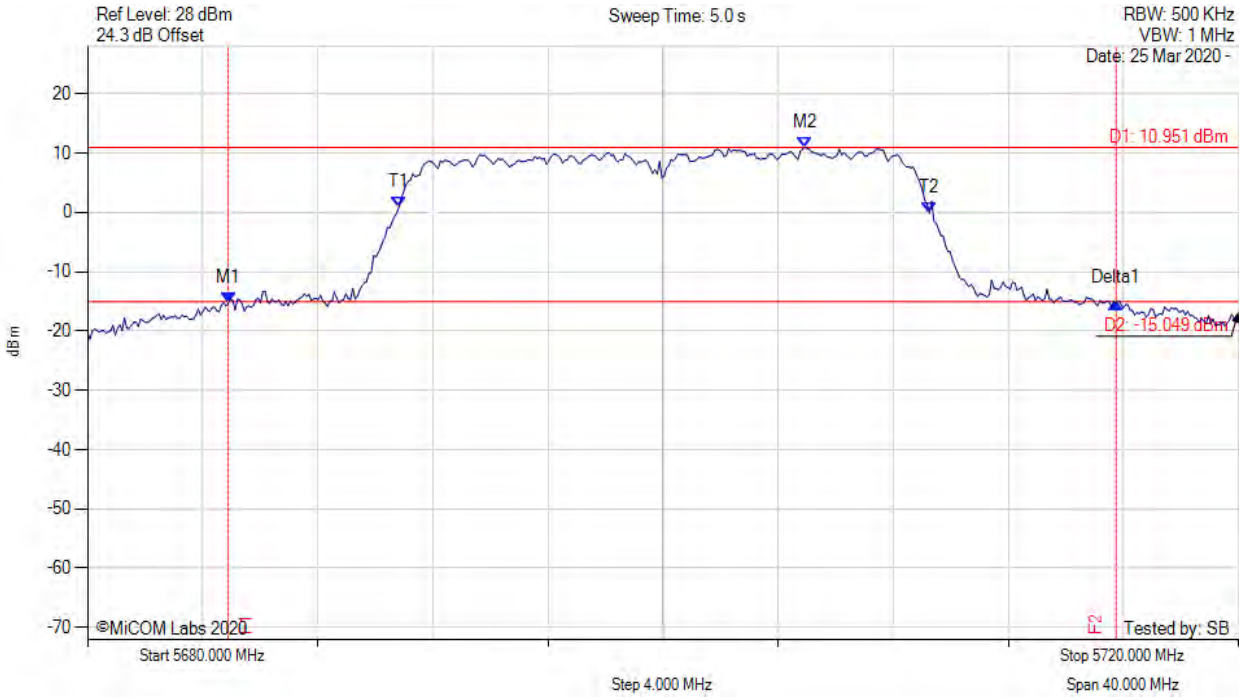


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.890 MHz : -15.874 dBm M2 : 5706.854 MHz : 12.247 dBm Delta1 : 31.102 MHz : 2.036 dB T1 : 5690.741 MHz : -0.763 dBm T2 : 5709.259 MHz : 0.917 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 31.102 MHz Measured 99% Bandwidth: 18.517 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

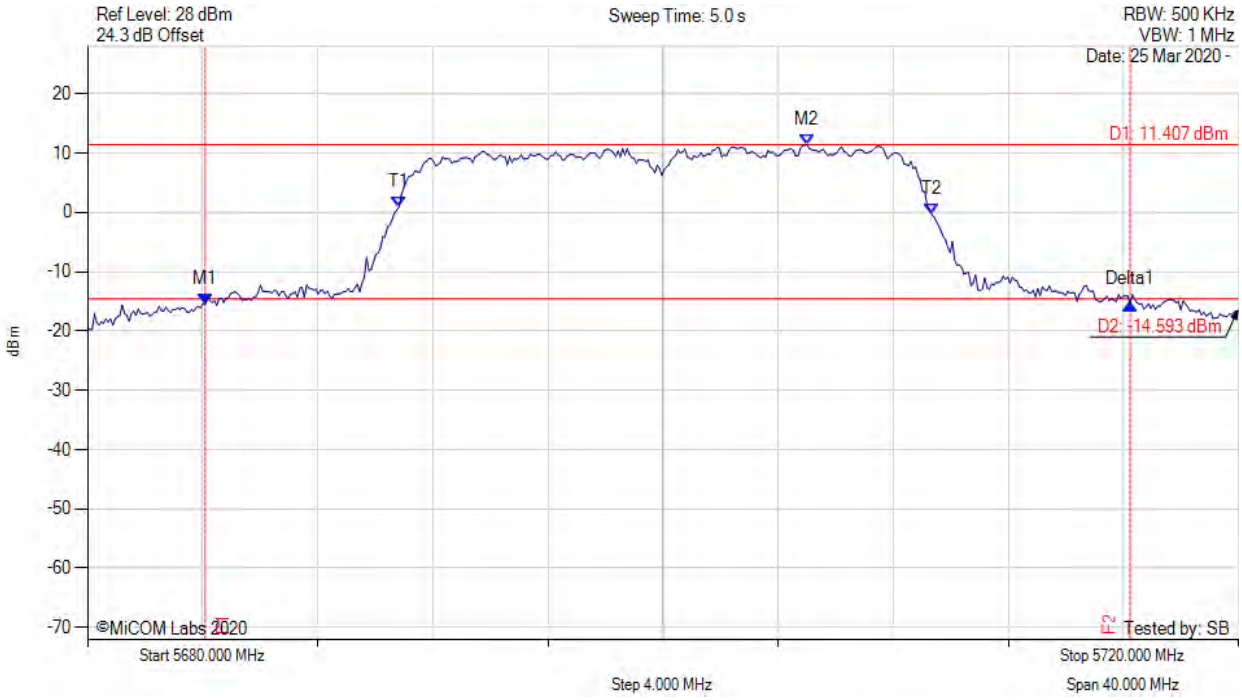


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.890 MHz : -15.276 dBm M2 : 5704.930 MHz : 10.951 dBm Delta1 : 30.862 MHz : -0.085 dB T1 : 5690.822 MHz : 0.902 dBm T2 : 5709.259 MHz : -0.090 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 30.862 MHz Measured 99% Bandwidth: 18.437 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

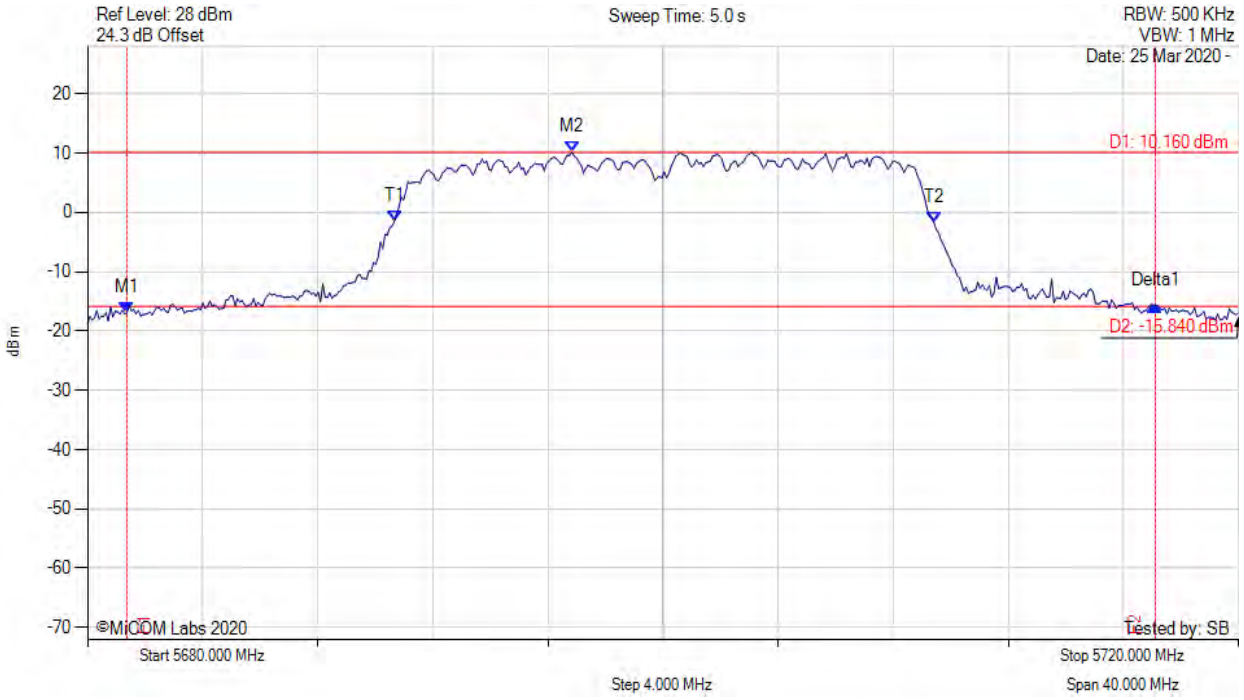


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.088 MHz : -15.423 dBm M2 : 5705.010 MHz : 11.407 dBm Delta1 : 32.144 MHz : -0.049 dB T1 : 5690.822 MHz : 0.898 dBm T2 : 5709.339 MHz : -0.389 dBm OBW : 18.517 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

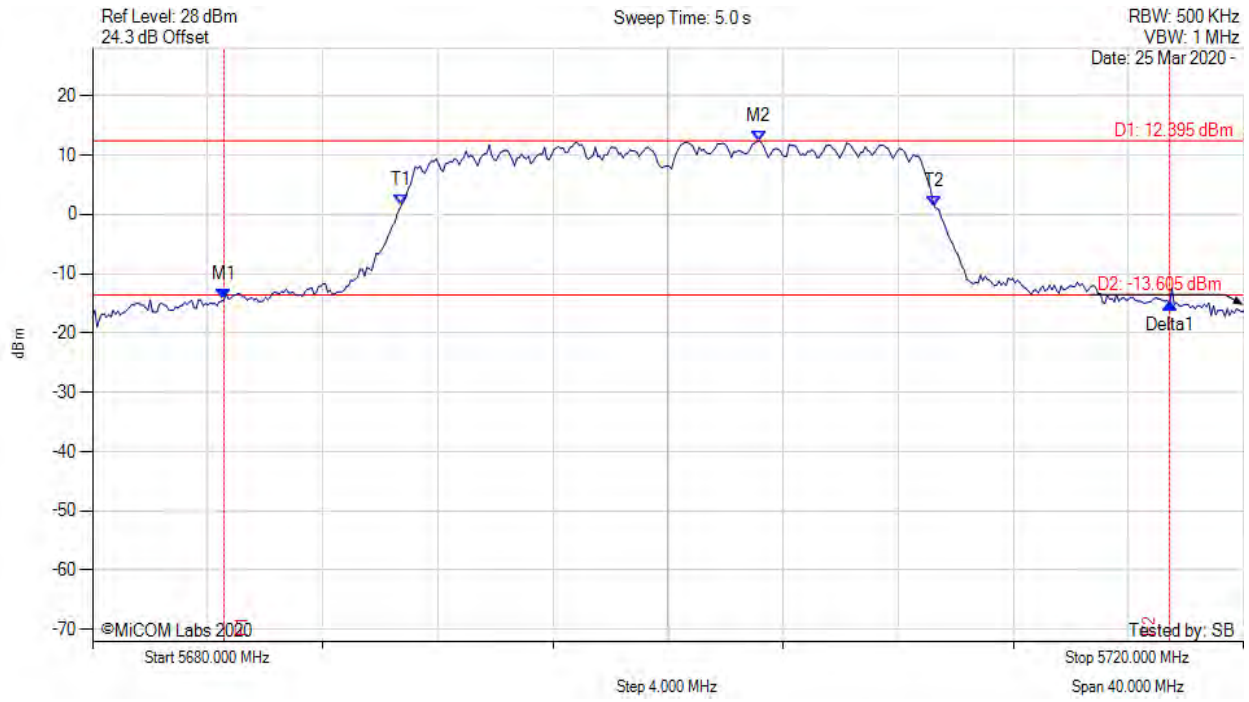


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5681.363 MHz : -16.972 dBm M2 : 5696.834 MHz : 10.160 dBm Delta1 : 35.752 MHz : 1.228 dB T1 : 5690.661 MHz : -1.556 dBm T2 : 5709.419 MHz : -1.683 dBm OBW : 18.758 MHz	Channel Frequency: 5700.00 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac



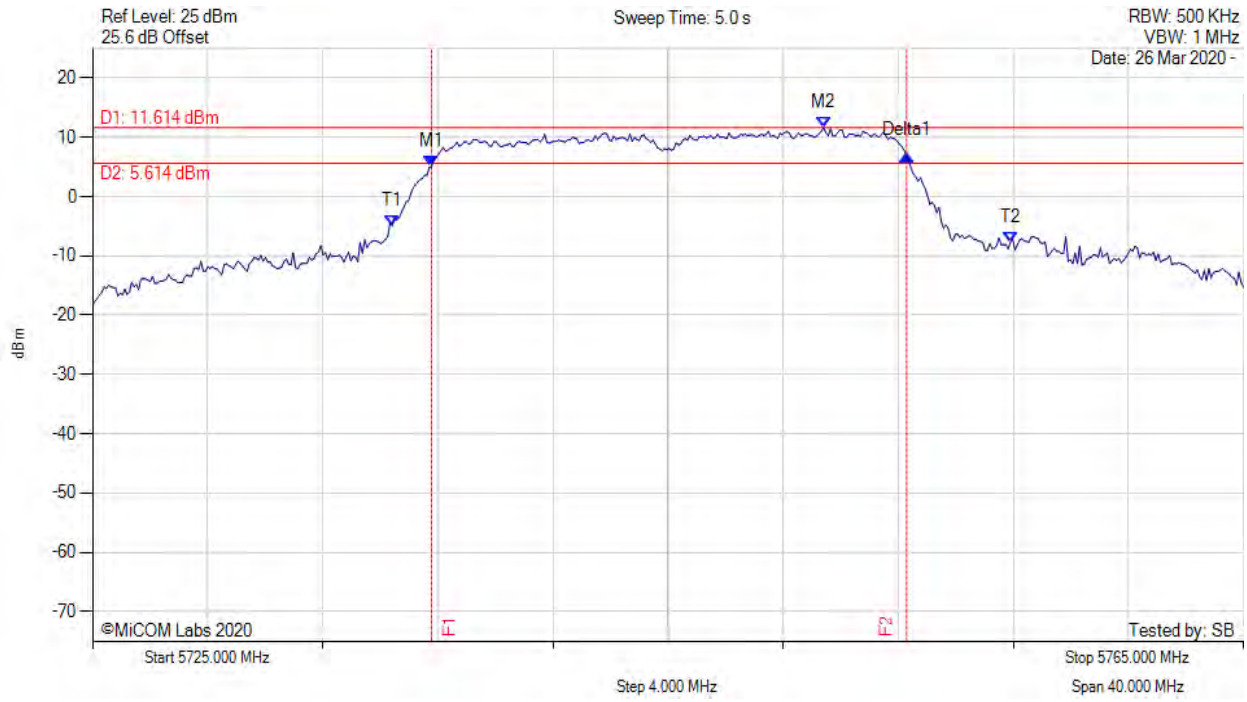
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.569 MHz : -14.363 dBm M2 : 5703.166 MHz : 12.395 dBm Delta1 : 32.866 MHz : -0.704 dB T1 : 5690.741 MHz : 1.592 dBm T2 : 5709.259 MHz : 1.317 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 32.866 MHz Measured 99% Bandwidth: 18.517 MHz

back to matrix

A.2. 6 dB & 99% Bandwidth

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

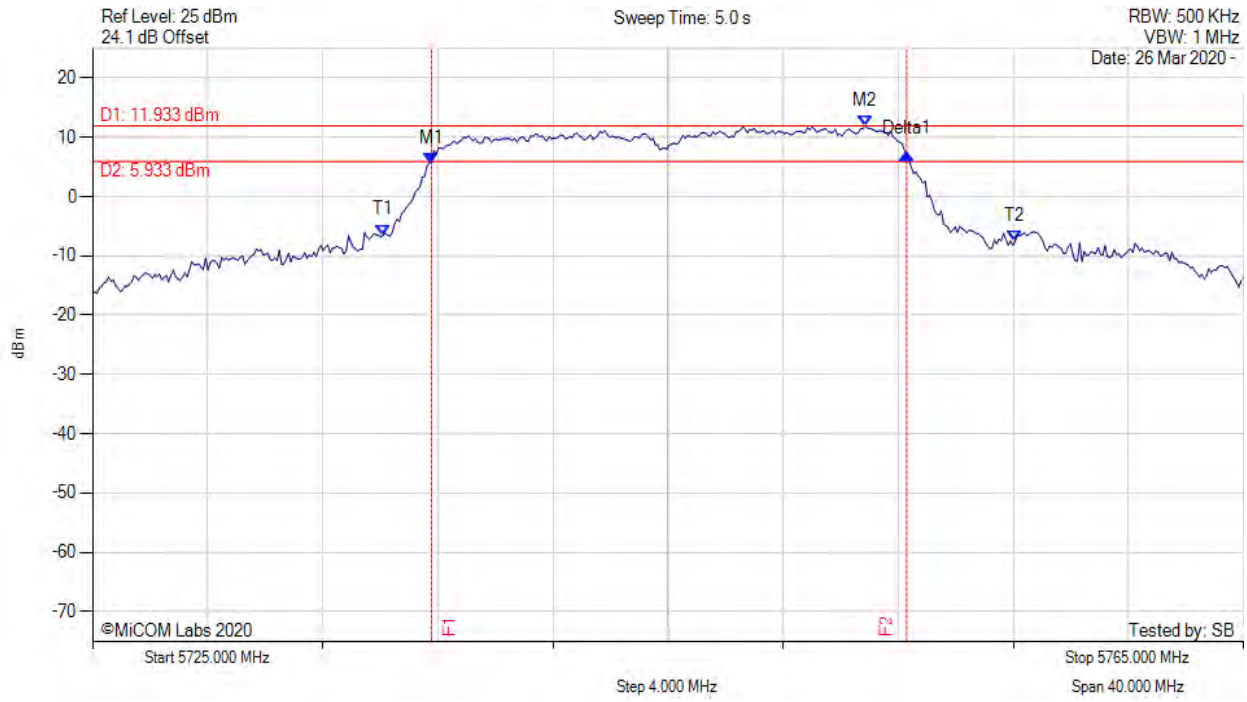


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.784 MHz : 5.037 dBm M2 : 5750.411 MHz : 11.614 dBm Delta1 : 16.513 MHz : 1.879 dB T1 : 5735.421 MHz : -4.857 dBm T2 : 5756.904 MHz : -7.721 dBm OBW : 21.483 MHz	Measured 6 dB Bandwidth: 16.513 MHz Measured 99% Bandwidth: 21.483 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

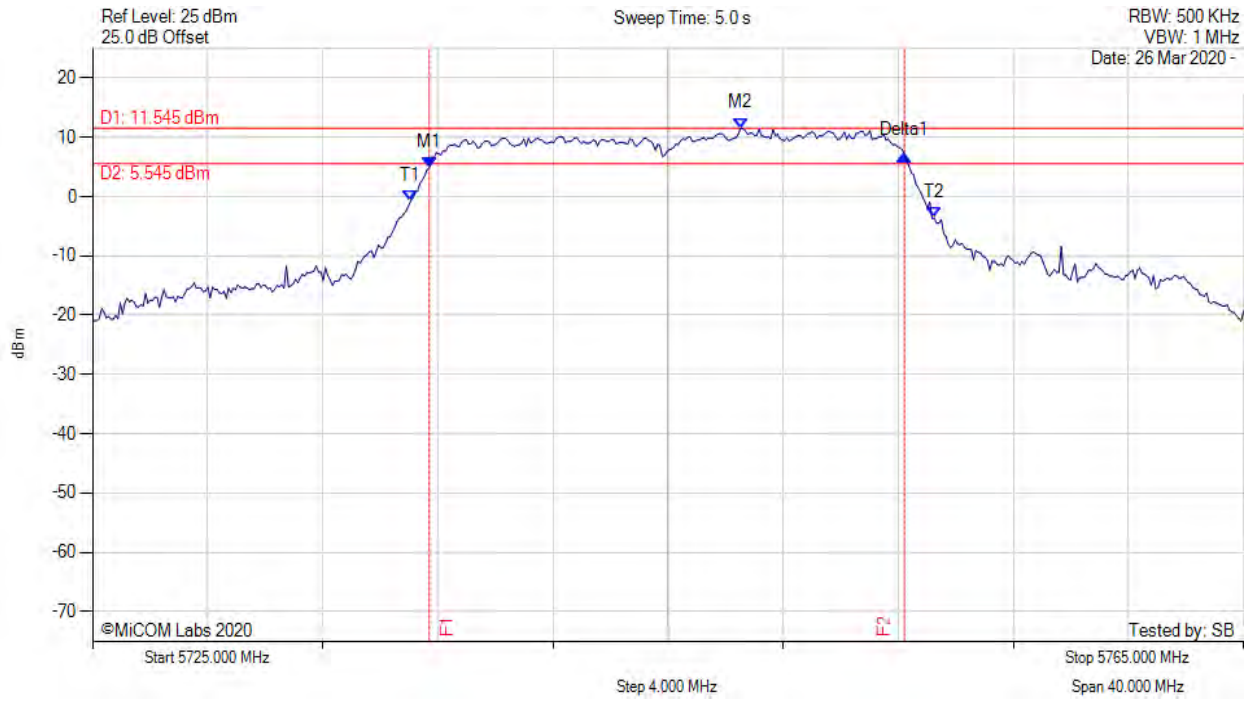


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.784 MHz : 5.625 dBm M2 : 5751.854 MHz : 11.933 dBm Delta1 : 16.513 MHz : 1.611 dB T1 : 5735.100 MHz : -6.464 dBm T2 : 5757.064 MHz : -7.550 dBm OBW : 21.964 MHz	Measured 6 dB Bandwidth: 16.513 MHz Measured 99% Bandwidth: 21.964 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

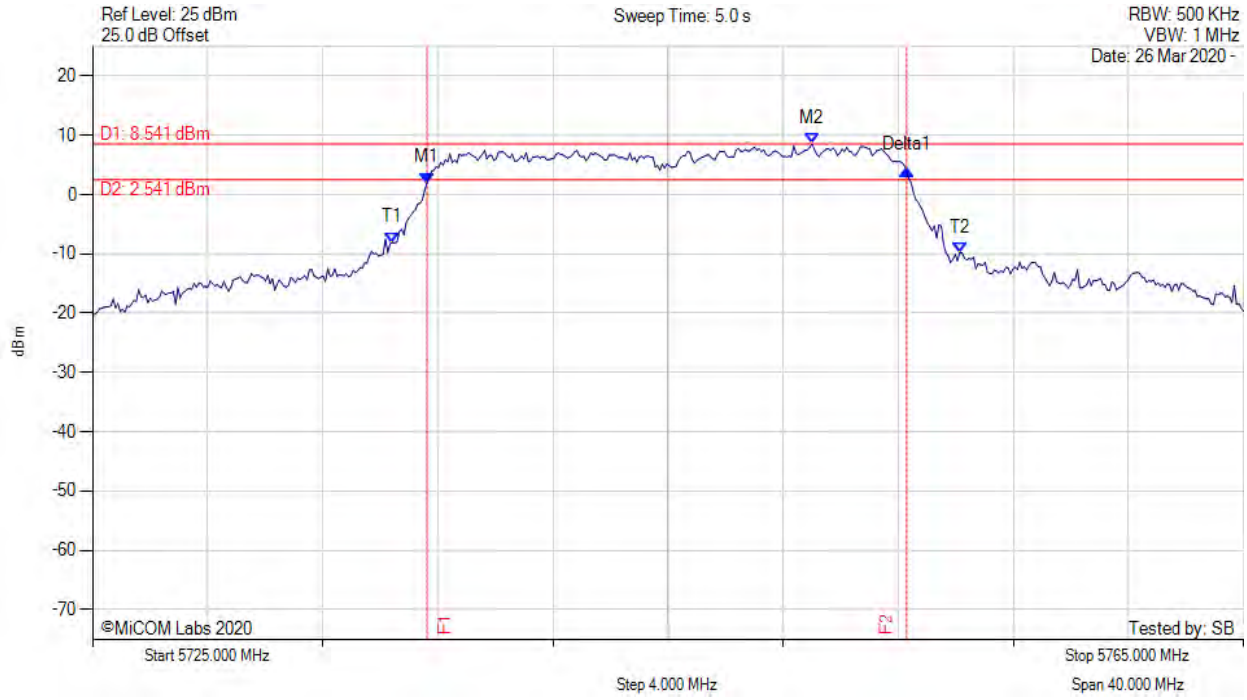


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.703 MHz : 4.931 dBm M2 : 5747.525 MHz : 11.545 dBm Delta1 : 16.513 MHz : 2.103 dB T1 : 5736.062 MHz : -0.723 dBm T2 : 5754.259 MHz : -3.623 dBm OBW : 18.196 MHz	Measured 6 dB Bandwidth: 16.513 MHz Measured 99% Bandwidth: 18.196 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

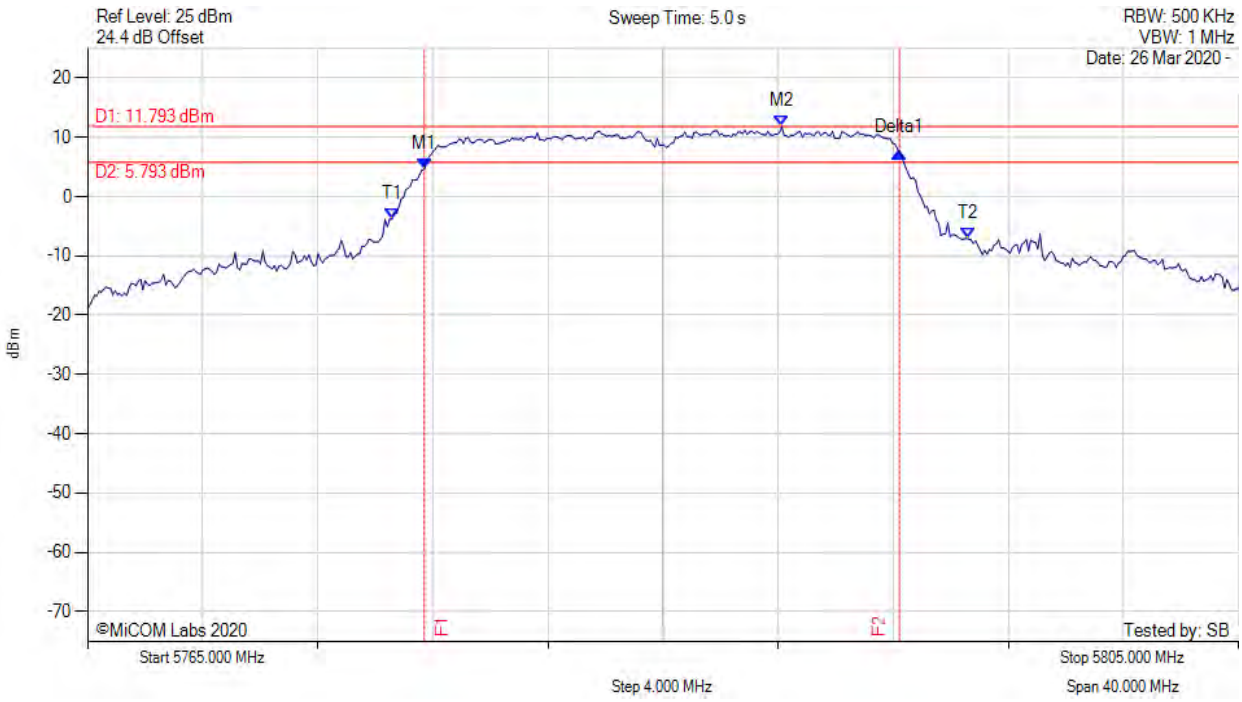


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.623 MHz : 1.941 dBm M2 : 5750.010 MHz : 8.541 dBm Delta1 : 16.673 MHz : 2.140 dB T1 : 5735.421 MHz : -8.099 dBm T2 : 5755.140 MHz : -9.793 dBm OBW : 19.719 MHz	Measured 6 dB Bandwidth: 16.673 MHz Measured 99% Bandwidth: 19.719 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

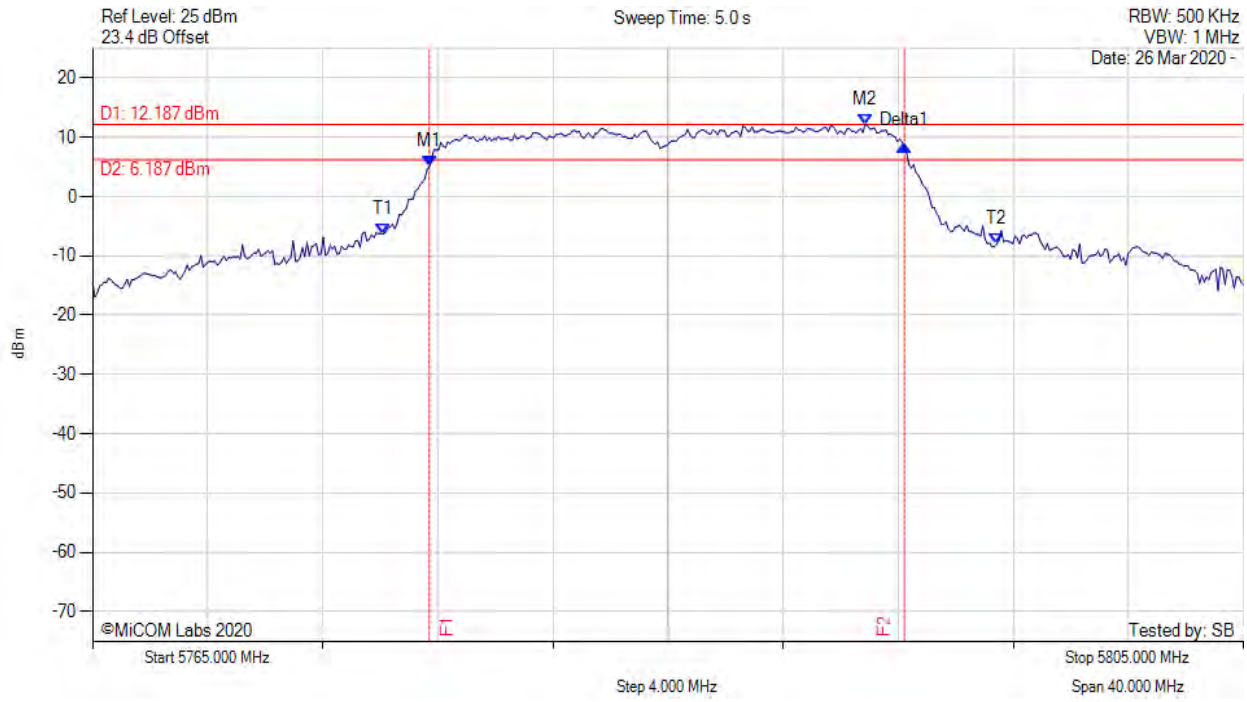


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.703 MHz : 4.616 dBm M2 : 5789.128 MHz : 11.793 dBm Delta1 : 16.513 MHz : 2.790 dB T1 : 5775.581 MHz : -3.765 dBm T2 : 5795.621 MHz : -7.139 dBm OBW : 20.040 MHz	Measured 6 dB Bandwidth: 16.513 MHz Measured 99% Bandwidth: 20.040 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

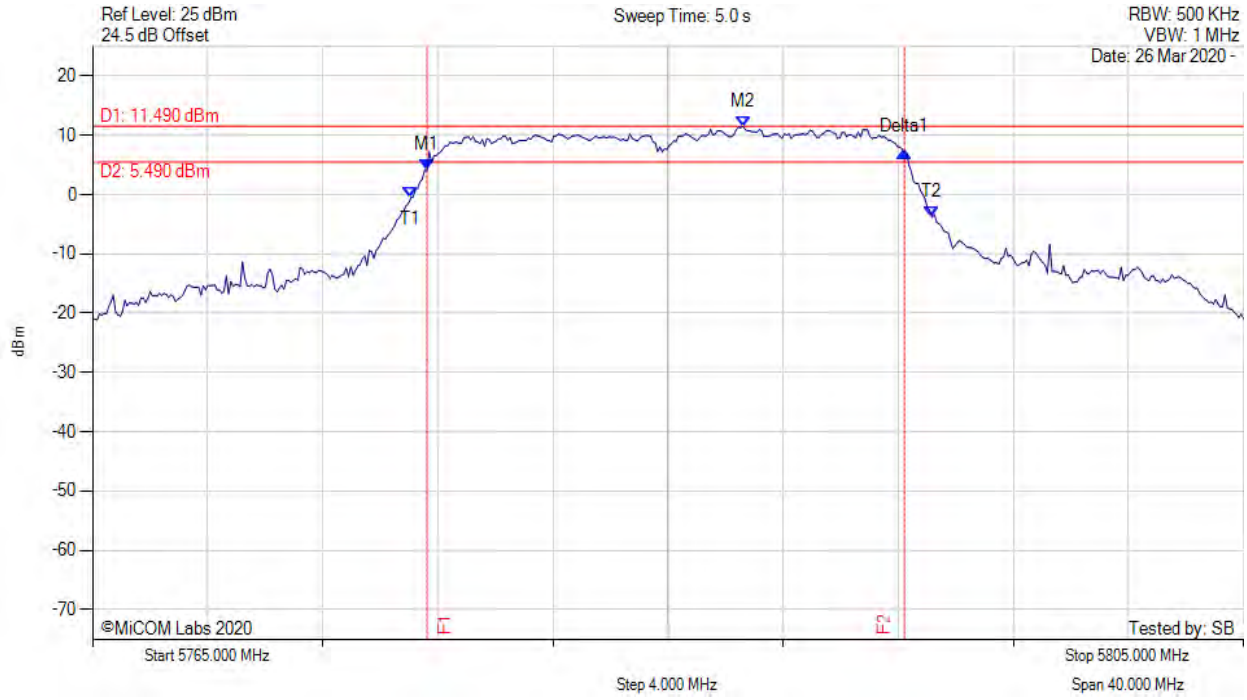


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.703 MHz : 5.108 dBm M2 : 5791.854 MHz : 12.187 dBm Delta1 : 16.513 MHz : 3.506 dB T1 : 5775.100 MHz : -6.277 dBm T2 : 5796.423 MHz : -8.028 dBm OBW : 21.323 MHz	Measured 6 dB Bandwidth: 16.513 MHz Measured 99% Bandwidth: 21.323 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

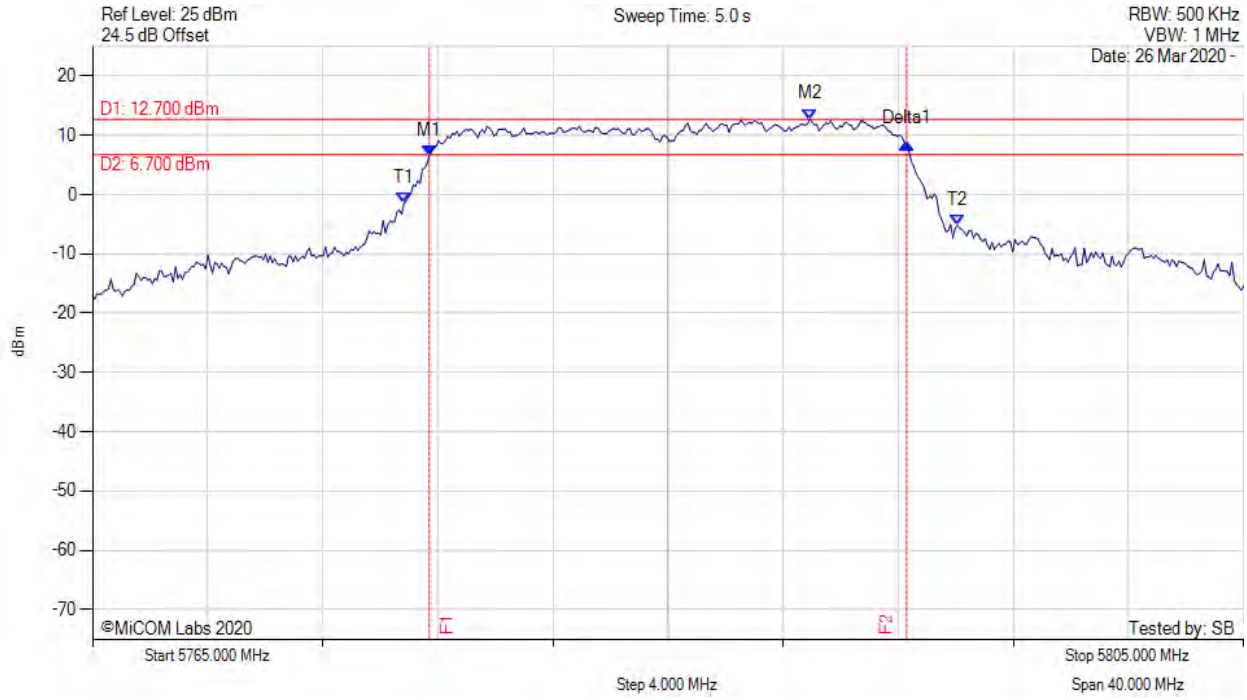


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.623 MHz : 4.085 dBm M2 : 5787.605 MHz : 11.490 dBm Delta1 : 16.593 MHz : 3.124 dB T1 : 5776.062 MHz : -0.513 dBm T2 : 5794.178 MHz : -3.847 dBm OBW : 18.116 MHz	Measured 6 dB Bandwidth: 16.593 MHz Measured 99% Bandwidth: 18.116 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

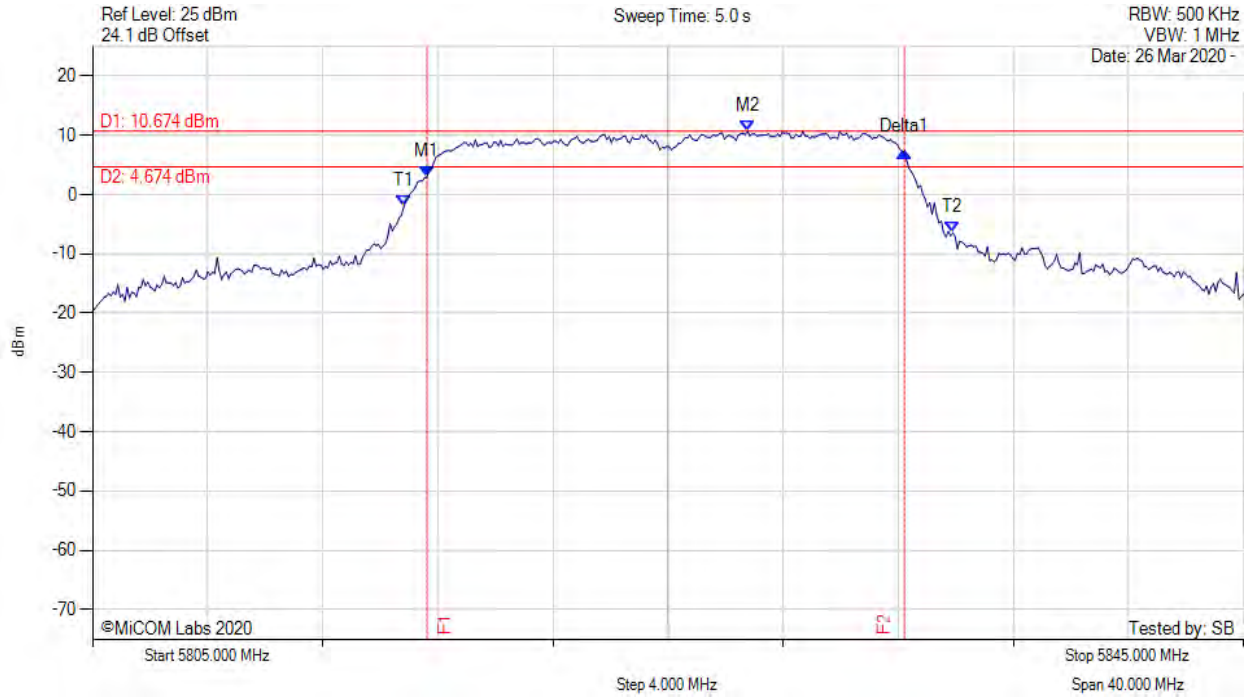


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.703 MHz : 6.597 dBm M2 : 5789.930 MHz : 12.700 dBm Delta1 : 16.593 MHz : 1.914 dB T1 : 5775.822 MHz : -1.536 dBm T2 : 5795.060 MHz : -5.162 dBm OBW : 19.238 MHz	Measured 6 dB Bandwidth: 16.593 MHz Measured 99% Bandwidth: 19.238 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

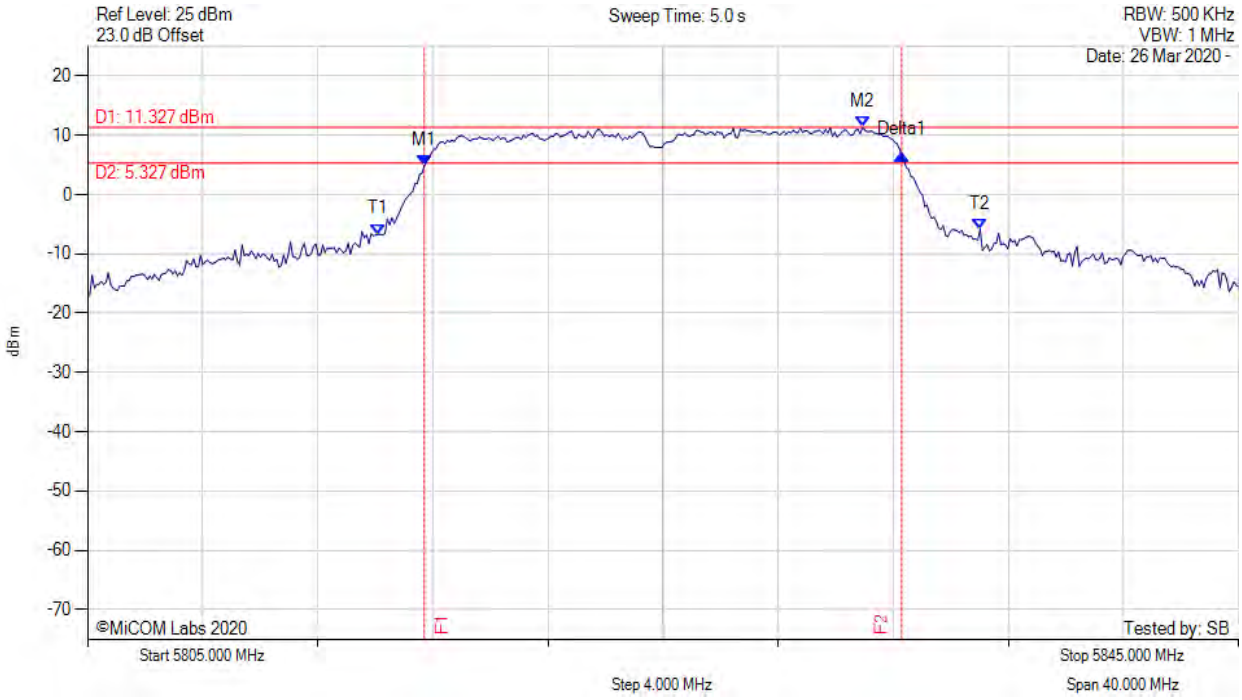


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.623 MHz : 2.907 dBm M2 : 5827.766 MHz : 10.674 dBm Delta1 : 16.593 MHz : 4.212 dB T1 : 5815.822 MHz : -1.970 dBm T2 : 5834.900 MHz : -6.427 dBm OBW : 19.078 MHz	Measured 6 dB Bandwidth: 16.593 MHz Measured 99% Bandwidth: 19.078 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

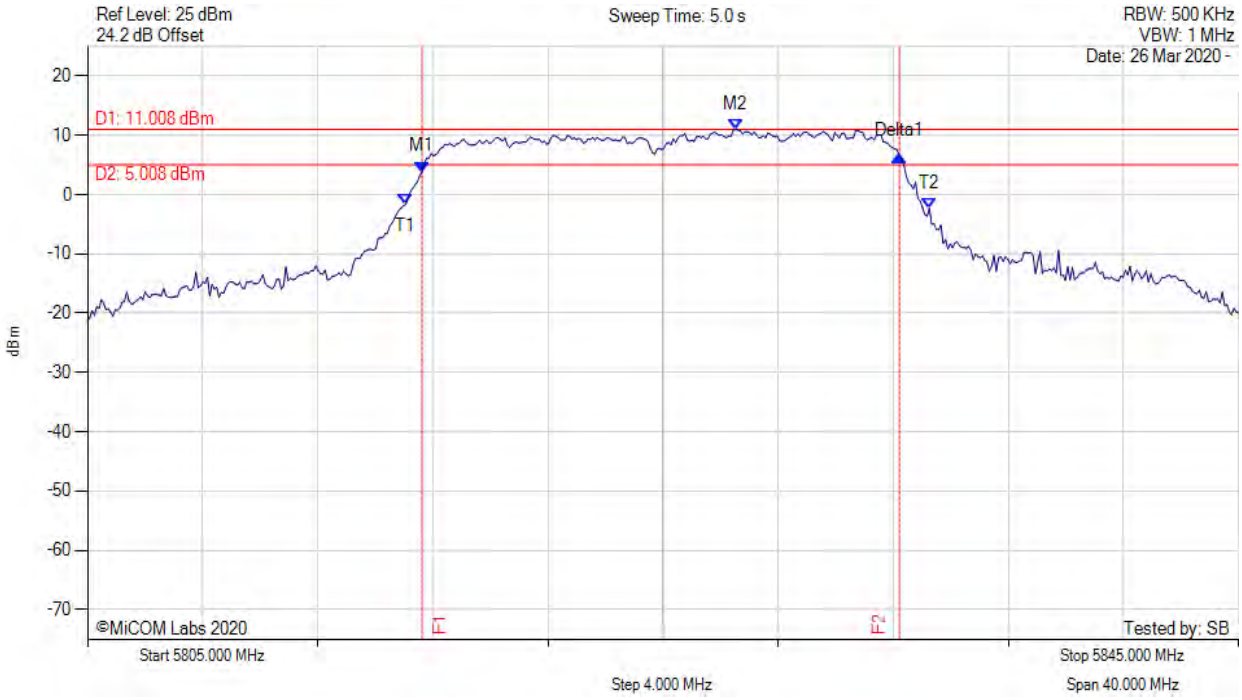


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.703 MHz : 4.815 dBm M2 : 5831.934 MHz : 11.327 dBm Delta1 : 16.593 MHz : 1.887 dB T1 : 5815.100 MHz : -6.690 dBm T2 : 5836.022 MHz : -5.807 dBm OBW : 20.922 MHz	Measured 6 dB Bandwidth: 16.593 MHz Measured 99% Bandwidth: 20.922 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

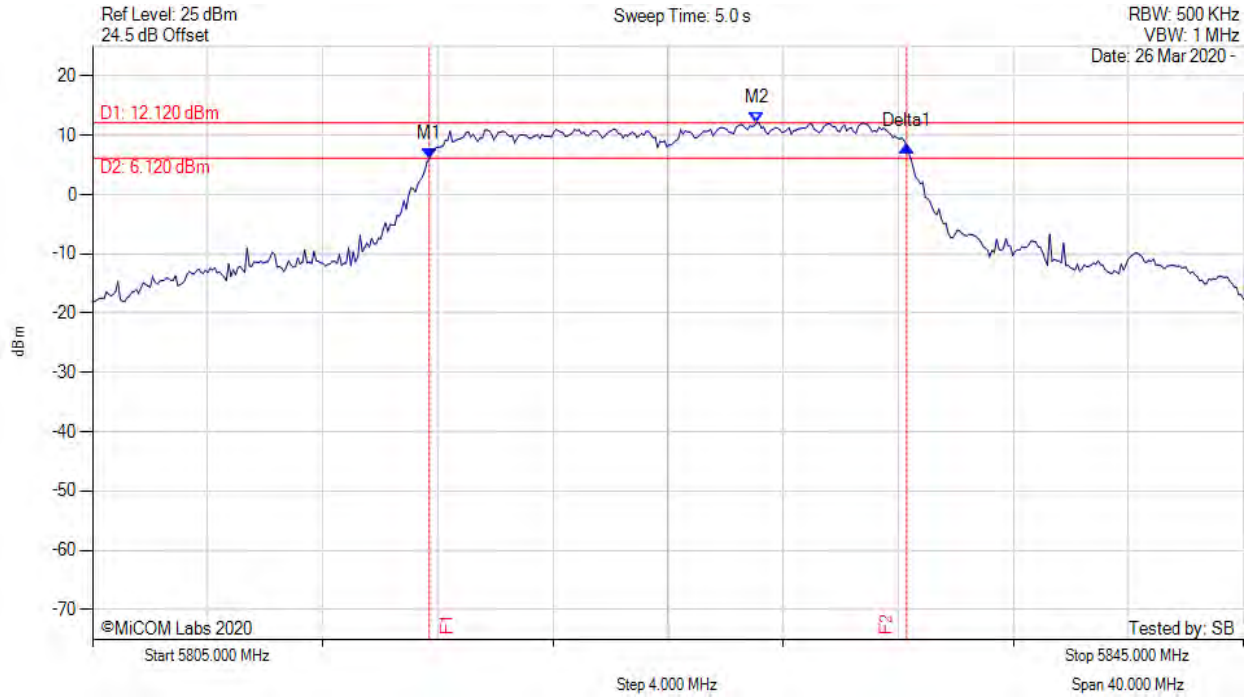


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.623 MHz : 3.831 dBm M2 : 5827.525 MHz : 11.008 dBm Delta1 : 16.593 MHz : 2.634 dB T1 : 5816.062 MHz : -1.646 dBm T2 : 5834.259 MHz : -2.309 dBm OBW : 18.196 MHz	Measured 6 dB Bandwidth: 16.593 MHz Measured 99% Bandwidth: 18.196 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

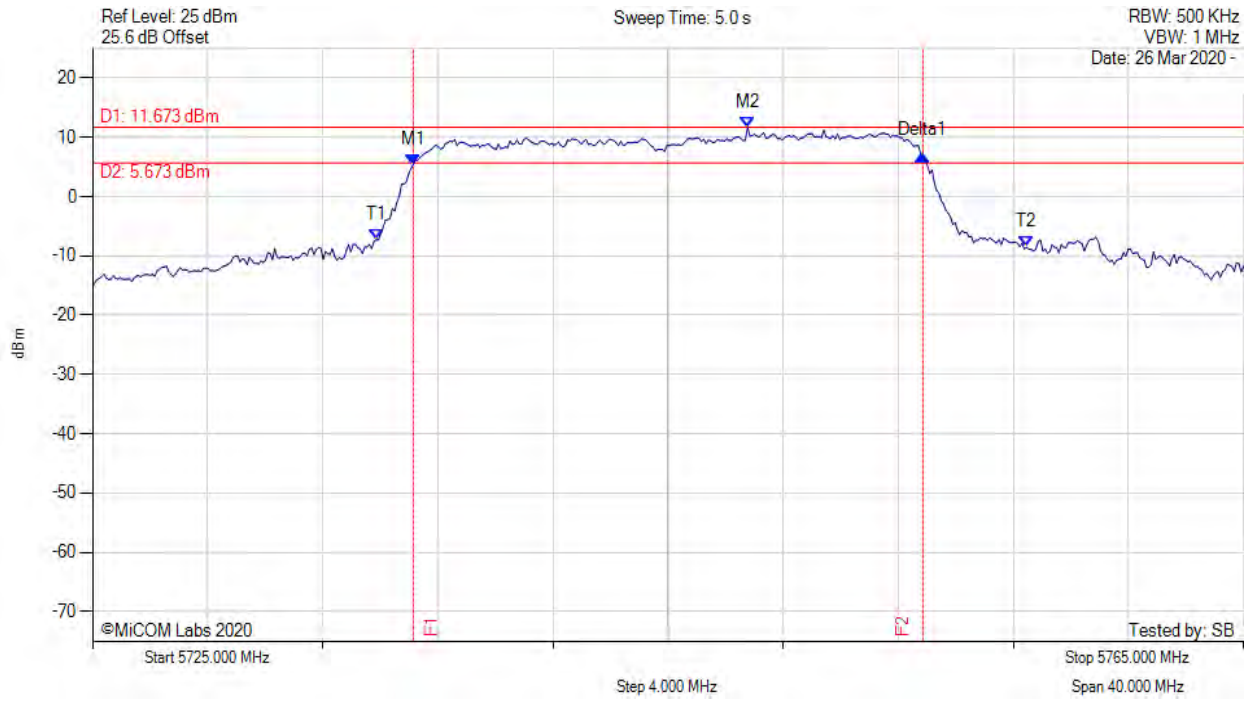


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.703 MHz : 6.113 dBm M2 : 5828.086 MHz : 12.120 dBm Delta1 : 16.593 MHz : 2.026 dB T1 : 0 Hz : 500.000 dBm T2 : 0 Hz : 500.000 dBm OBW : 18.838 MHz	Measured 6 dB Bandwidth: 16.593 MHz Measured 99% Bandwidth: 18.838 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

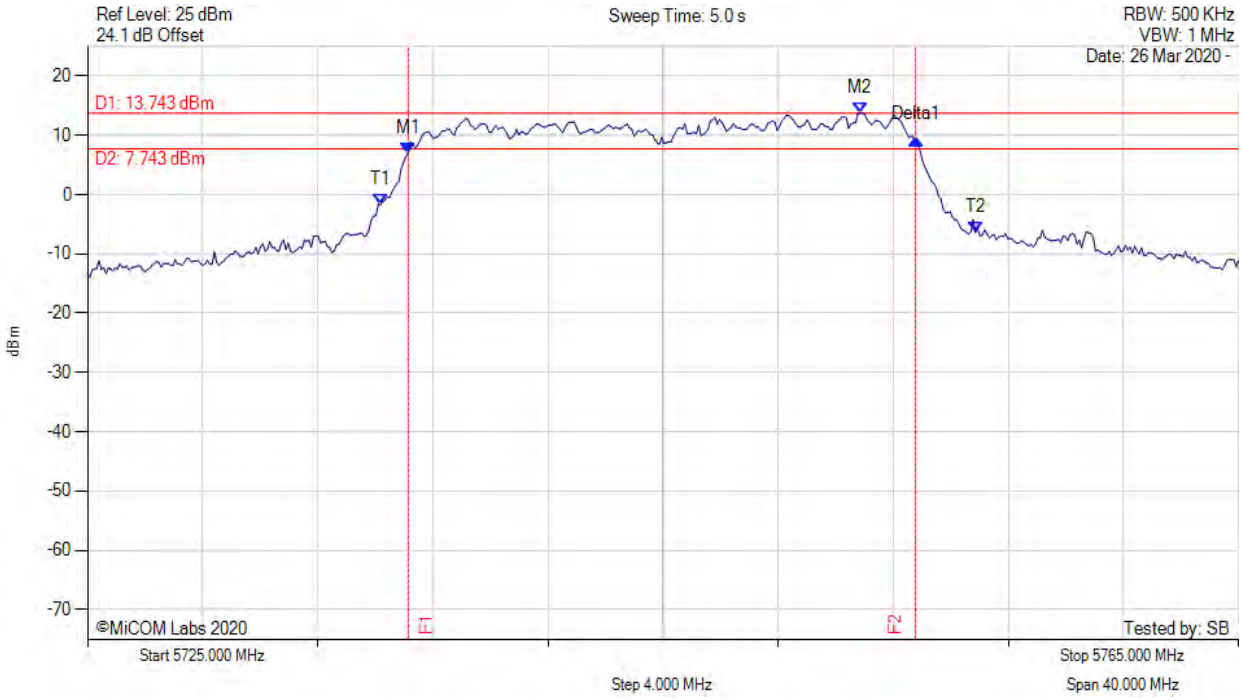


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.142 MHz : 5.411 dBm M2 : 5747.766 MHz : 11.673 dBm Delta1 : 17.715 MHz : 1.476 dB T1 : 5734.860 MHz : -7.292 dBm T2 : 5757.465 MHz : -8.528 dBm OBW : 22.605 MHz	Measured 6 dB Bandwidth: 17.715 MHz Measured 99% Bandwidth: 22.605 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac

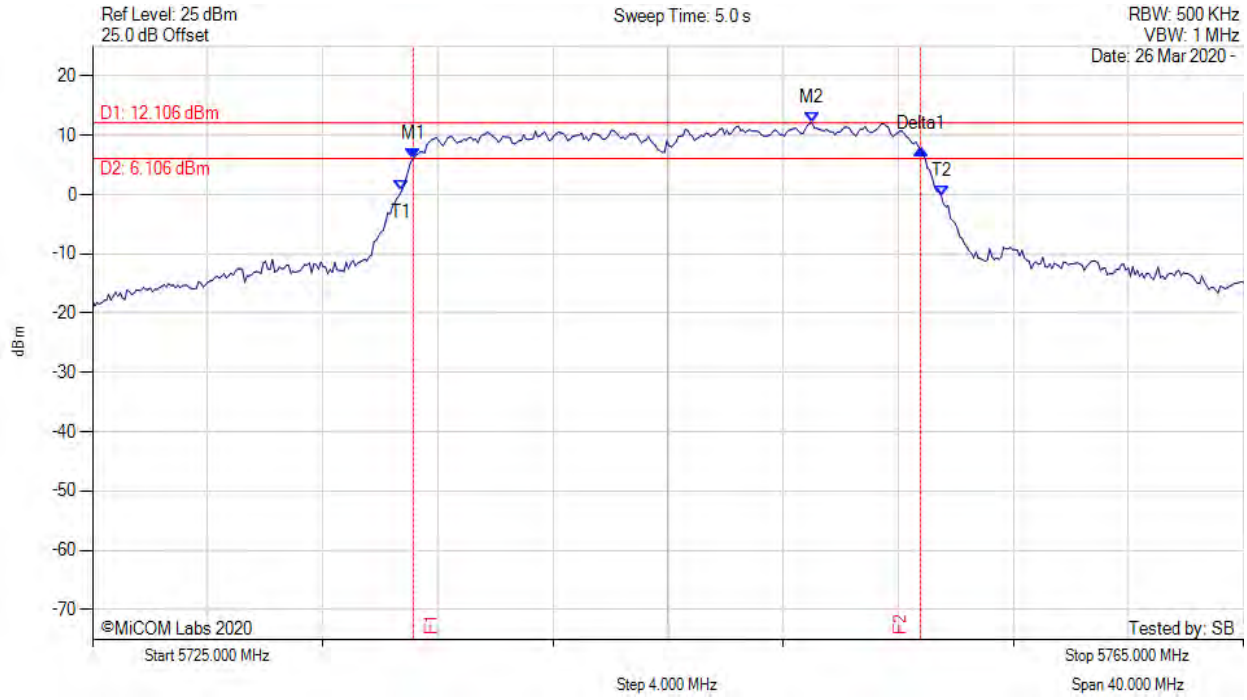


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.142 MHz : 7.070 dBm M2 : 5751.854 MHz : 13.743 dBm Delta1 : 17.635 MHz : 2.219 dB T1 : 5735.180 MHz : -1.681 dBm T2 : 5755.862 MHz : -6.395 dBm OBW : 20.681 MHz	Measured 6 dB Bandwidth: 17.635 MHz Measured 99% Bandwidth: 20.681 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac

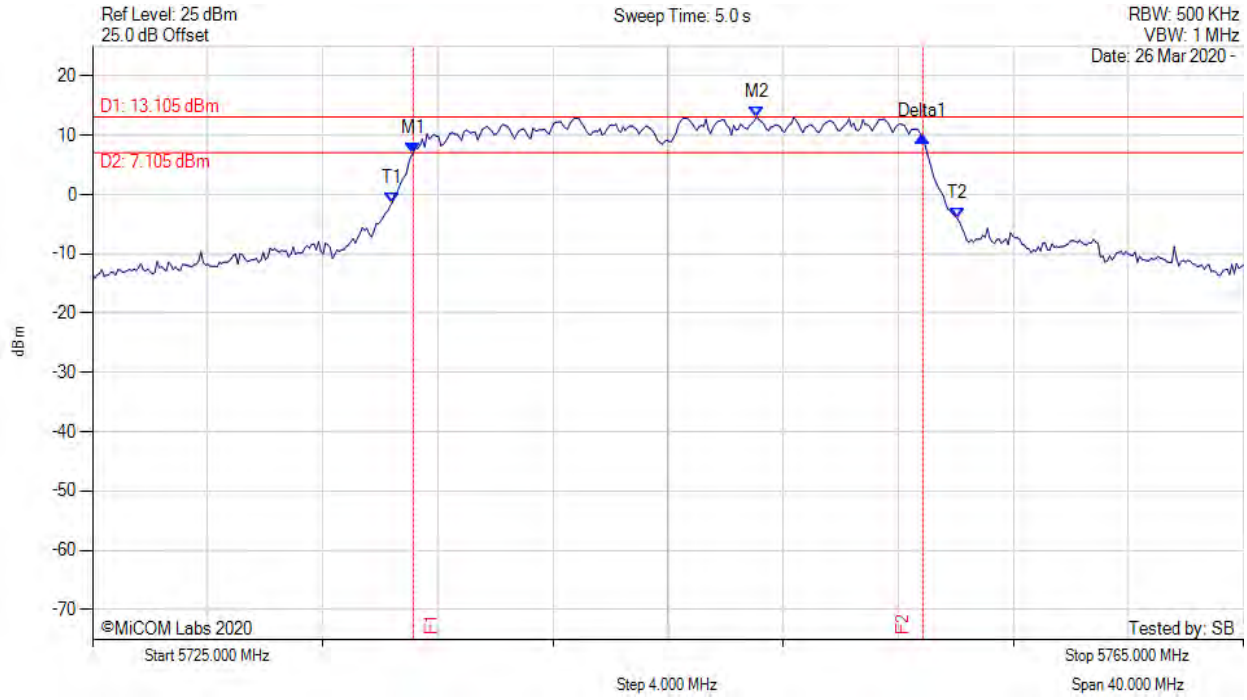


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.142 MHz : 6.098 dBm M2 : 5750.010 MHz : 12.106 dBm Delta1 : 17.635 MHz : 1.531 dB T1 : 5735.741 MHz : 0.589 dBm T2 : 5754.499 MHz : -0.208 dBm OBW : 18.758 MHz	Measured 6 dB Bandwidth: 17.635 MHz Measured 99% Bandwidth: 18.758 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac

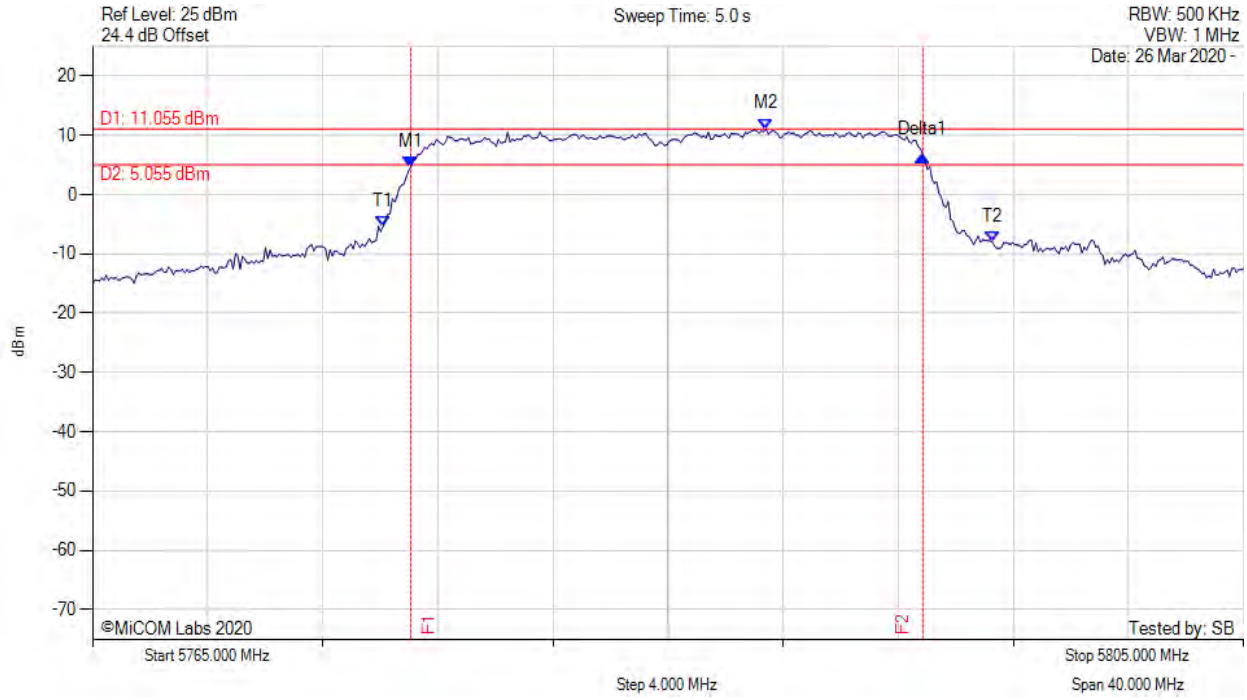


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5736.142 MHz : 6.997 dBm M2 : 5748.086 MHz : 13.105 dBm Delta1 : 17.715 MHz : 2.687 dB T1 : 5735.421 MHz : -1.363 dBm T2 : 5755.060 MHz : -4.042 dBm OBW : 19.639 MHz	Measured 6 dB Bandwidth: 17.715 MHz Measured 99% Bandwidth: 19.639 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac

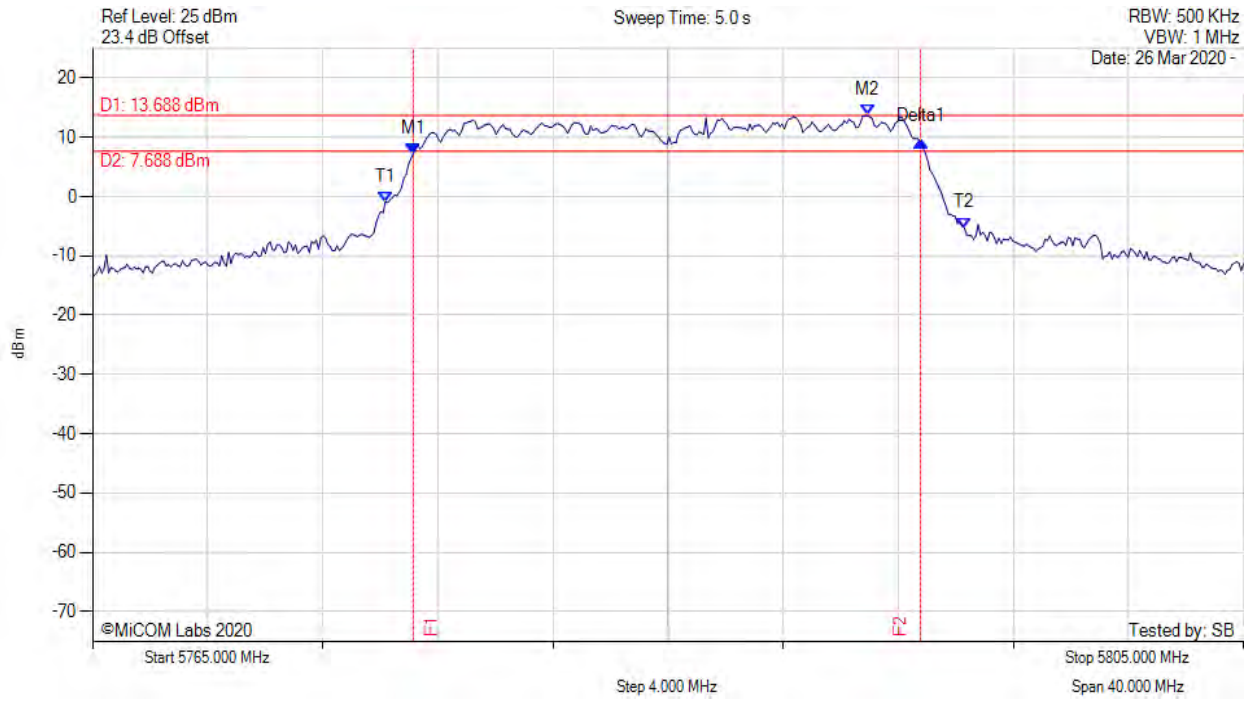


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.062 MHz : 4.671 dBm M2 : 5788.407 MHz : 11.055 dBm Delta1 : 17.796 MHz : 1.958 dB T1 : 5775.100 MHz : -5.333 dBm T2 : 5796.263 MHz : -7.951 dBm OBW : 21.162 MHz	Measured 6 dB Bandwidth: 17.796 MHz Measured 99% Bandwidth: 21.162 MHz

back to matrix

6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.142 MHz : 7.221 dBm M2 : 5791.934 MHz : 13.688 dBm Delta1 : 17.635 MHz : 2.111 dB T1 : 5775.180 MHz : -0.890 dBm T2 : 5795.301 MHz : -5.307 dBm OBW : 20.120 MHz	Measured 6 dB Bandwidth: 17.635 MHz Measured 99% Bandwidth: 20.120 MHz

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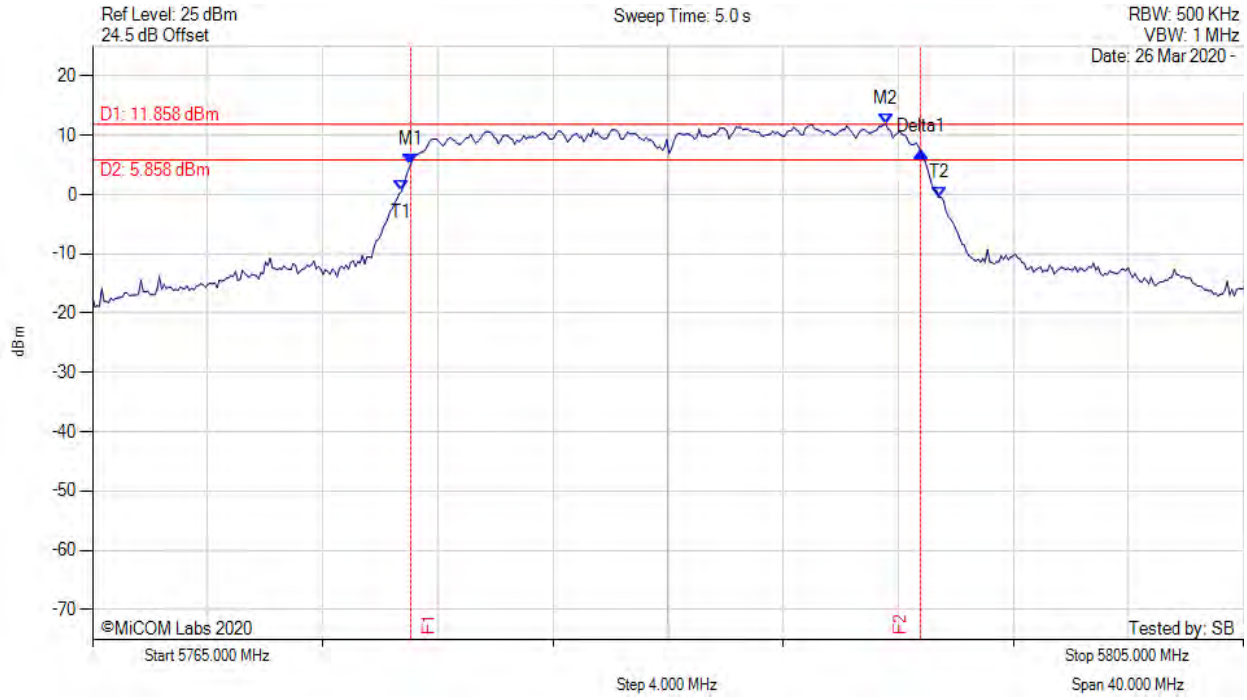
6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.062 MHz : 5.185 dBm M2 : 5792.575 MHz : 11.858 dBm Delta1 : 17.715 MHz : 2.107 dB T1 : 5775.741 MHz : 0.567 dBm T2 : 5794.419 MHz : -0.456 dBm OBW : 18.677 MHz	Measured 6 dB Bandwidth: 17.715 MHz Measured 99% Bandwidth: 18.677 MHz

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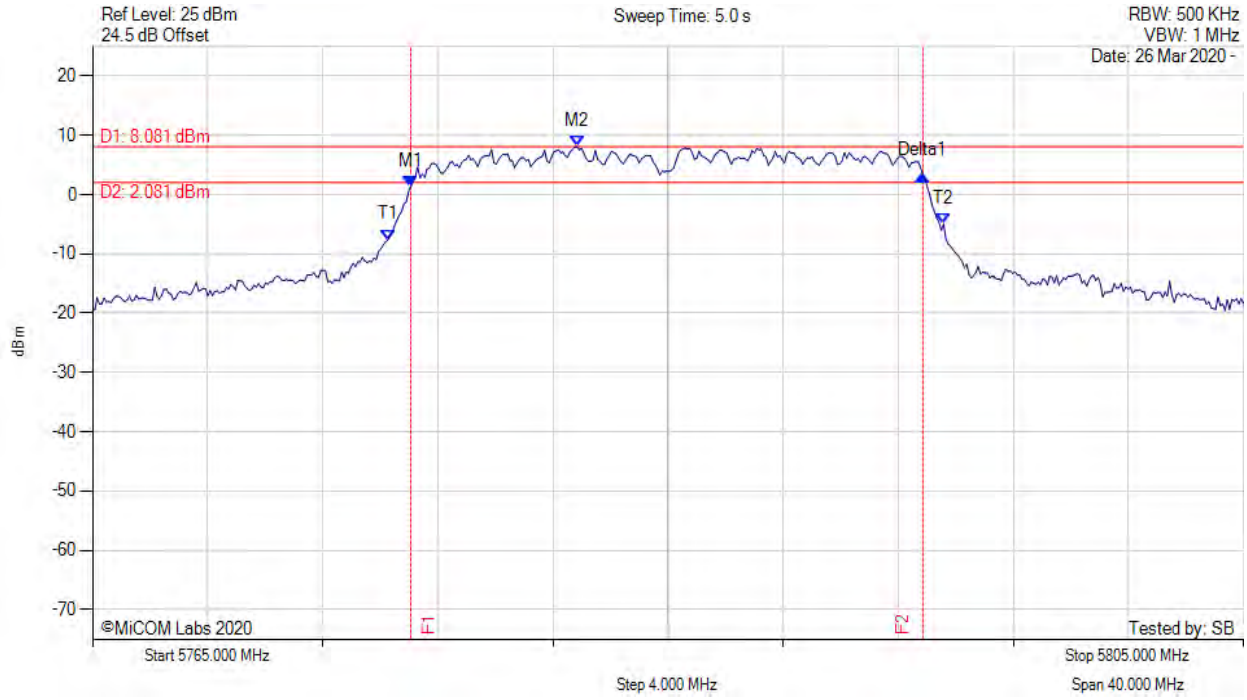
6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.062 MHz : 1.427 dBm M2 : 5781.834 MHz : 8.081 dBm Delta1 : 17.796 MHz : 1.906 dB T1 : 5775.261 MHz : -7.623 dBm T2 : 5794.579 MHz : -4.977 dBm OBW : 19.319 MHz	Measured 6 dB Bandwidth: 17.796 MHz Measured 99% Bandwidth: 19.319 MHz

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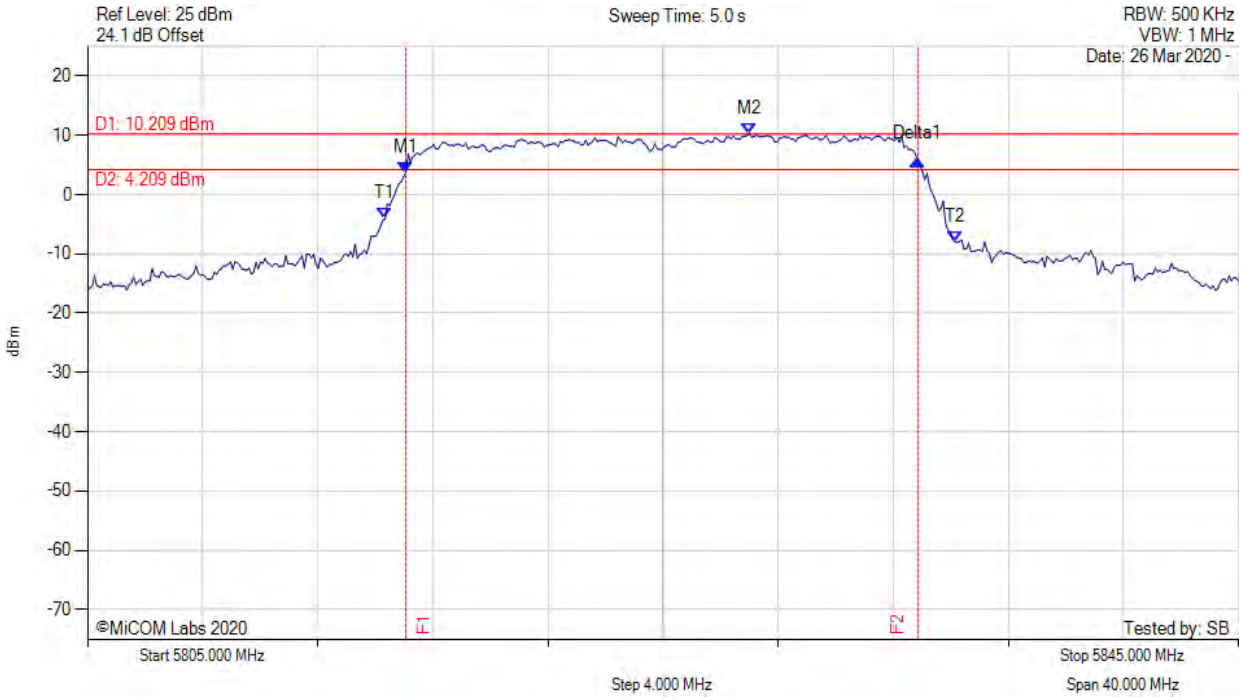
6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain a, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.062 MHz : 3.709 dBm M2 : 5828.006 MHz : 10.209 dBm Delta1 : 17.796 MHz : 2.205 dB T1 : 5815.341 MHz : -4.111 dBm T2 : 5835.140 MHz : -7.975 dBm OBW : 19.800 MHz	Measured 6 dB Bandwidth: 17.796 MHz Measured 99% Bandwidth: 19.800 MHz

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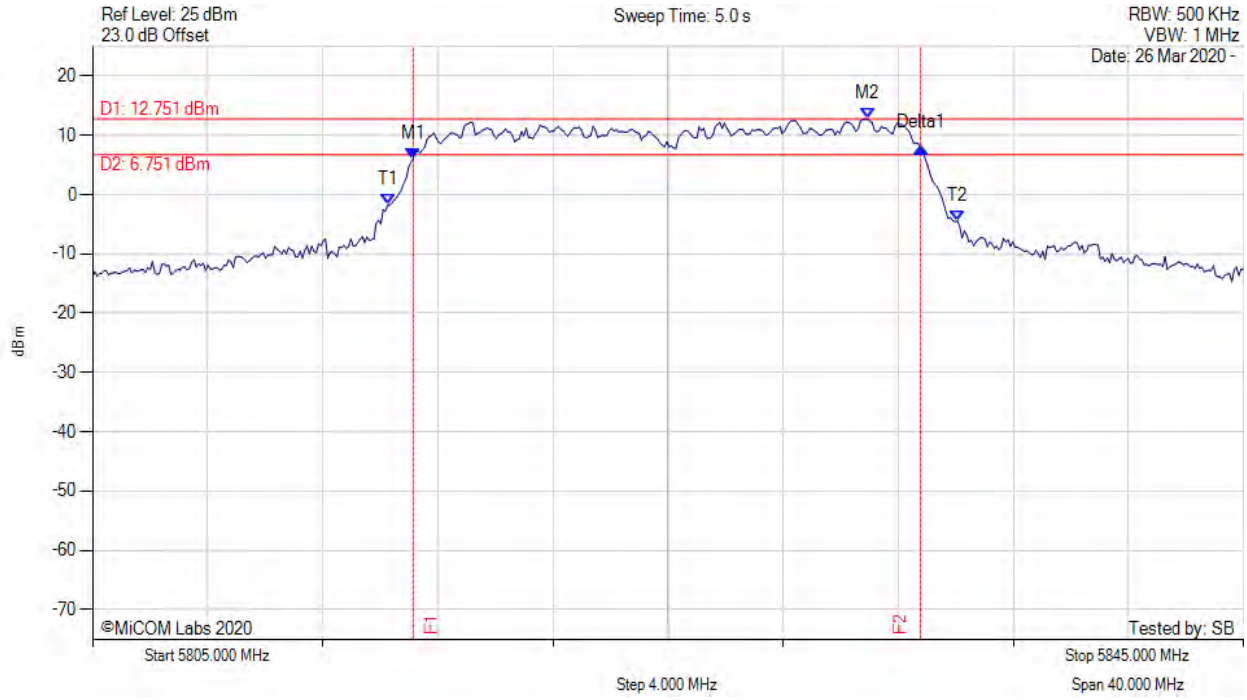
6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain b, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.142 MHz : 6.027 dBm M2 : 5831.934 MHz : 12.751 dBm Delta1 : 17.635 MHz : 1.924 dB T1 : 5815.261 MHz : -1.717 dBm T2 : 5835.060 MHz : -4.418 dBm OBW : 19.800 MHz	Measured 6 dB Bandwidth: 17.635 MHz Measured 99% Bandwidth: 19.800 MHz

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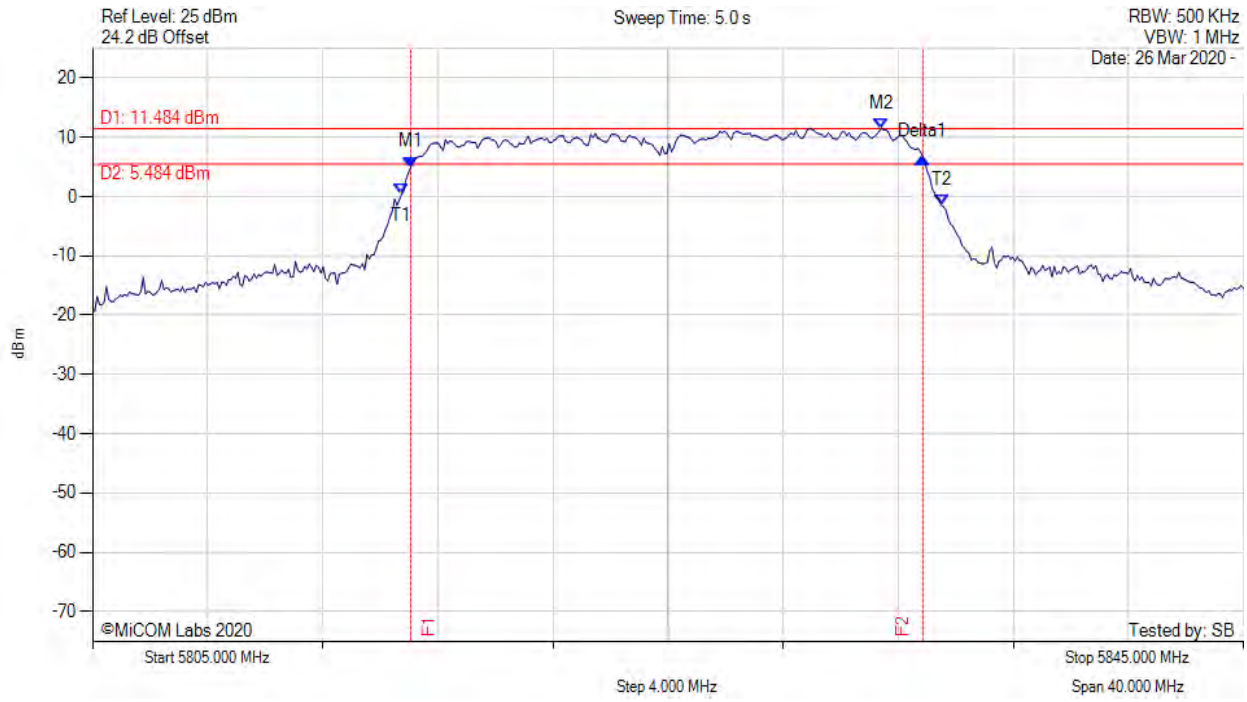
6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain c, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.062 MHz : 4.998 dBm M2 : 5832.415 MHz : 11.484 dBm Delta1 : 17.796 MHz : 1.629 dB T1 : 5815.741 MHz : 0.359 dBm T2 : 5834.499 MHz : -1.441 dBm OBW : 18.758 MHz	Measured 6 dB Bandwidth: 17.796 MHz Measured 99% Bandwidth: 18.758 MHz

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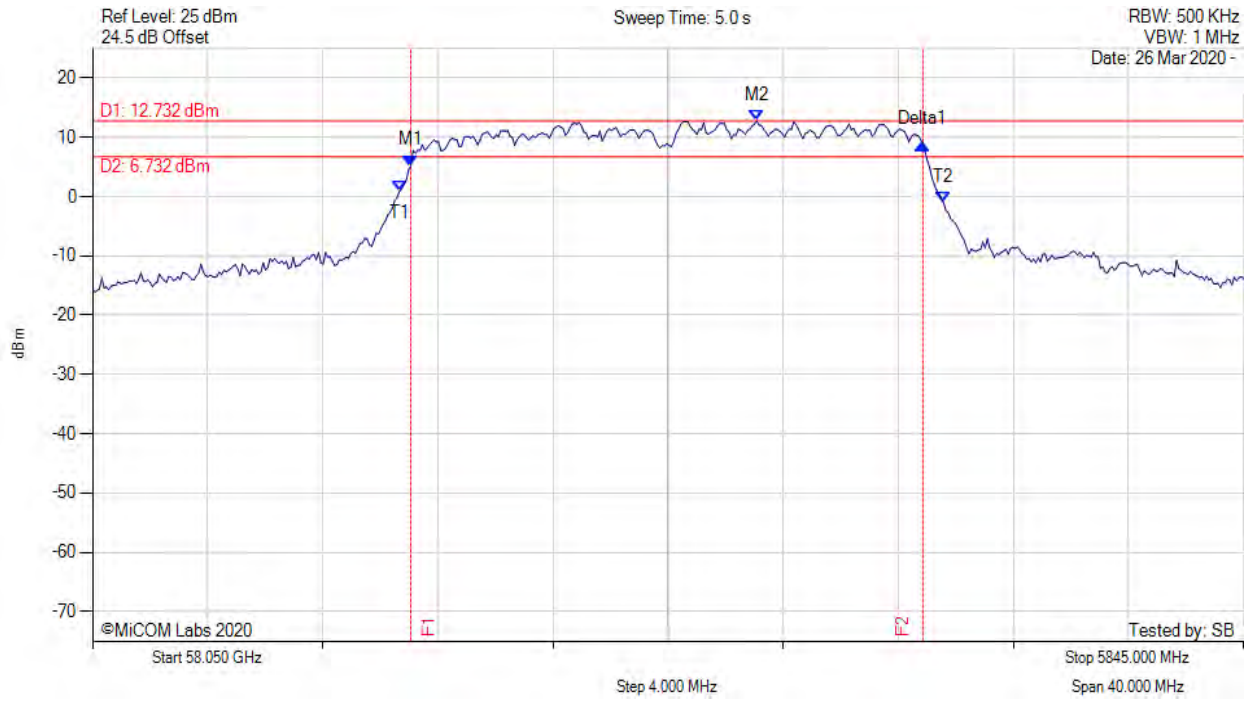
6 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain d, Temp: 20, Voltage: 115 Vac



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5816.062 MHz : 5.214 dBm M2 : 5828.086 MHz : 12.732 dBm Delta1 : 17.796 MHz : 3.638 dB T1 : 5815.661 MHz : 0.849 dBm T2 : 5834.579 MHz : -1.046 dBm OBW : 18.918 MHz	Measured 6 dB Bandwidth: 17.796 MHz Measured 99% Bandwidth: 18.918 MHz

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