



CONDUCTED TEST REPORT

FCC CFR 47 Pt 15.407

Report No.: RDWN71-U2 Conducted Rev A

Company: Radwin Ltd.

Model: AP0260210



CONDUCTED TEST REPORT

FROM



Test of: AP0260210

To: FCC CFR 47 Part 15.407

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1. TEST RESULTS

1.1. Peak Transmit Power

Conducted Test Conditions for Maximum Conducted Output Power			
Standard:	FCC CFR 47:15.407	Ambient Temp. (°C):	24.0 - 27.5
Test Heading:	Maximum Conducted Output Power	Rel. Humidity (%):	32 - 45
Standard Section(s):	15.407 (a)	Pressure (mBars):	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for Maximum Conducted Output Power Measurement

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

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

Supporting Information

Calculated Power = $A + G + Y + 10 \log (1/x)$ dBm

A = Total Power $[10^{\log_{10} (10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})}]$

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 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.

1.1.1. Point to Multi-Point

(Ref 10dBi Gain of Sector antenna RW-9061-5004)

Equipment Configuration for Peak Transmit Power

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5180.0	15.96	14.78		-	18.42	26.00	-7.58	15.00
5210.0	23.44	21.54			25.60	26.00	-0.40	21.50
5240.0	22.70	22.00			25.37	26.00	-0.63	21.50

Traceability to Industry Recognized Test Methodologies

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

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

Equipment Configuration for Peak Transmit Power

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5190.0	10.21	8.36		-	12.39	26.00	-13.61	9.50
5210.0	23.71	21.74			25.85	26.00	-0.15	22.00
5230.0	23.38	22.51			25.98	26.00	-0.02	22.50

Traceability to Industry Recognized Test Methodologies

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

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

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5210.0	8.36	6.57		-	10.57	26.00	-15.43	7.5

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

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

Equipment Configuration for Peak Transmit Power

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5735.0	21.41	20.68		-	24.07	26.00	-1.93	20.00
5785.0	23.15	22.62			25.90	26.00	-0.10	22.50
5840.0	21.62	21.27		-	24.46	26.00	-1.54	20.00

Traceability to Industry Recognized Test Methodologies

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

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

Equipment Configuration for Peak Transmit Power

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5745.0	20.07	18.96		-	22.56	26.00	-3.44	18.50
5785.0	22.99	22.93			25.97	26.00	-0.03	23.00
5830.0	21.94	21.69		-	24.83	26.00	-1.17	20.00

Traceability to Industry Recognized Test Methodologies

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

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

Equipment Configuration for Peak Transmit Power

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5765.0	18.31	17.13		-	20.77	26.00	-5.23	17.50
5785.0	22.76	22.30			25.55	26.00	-0.45	23.00
5810.0	19.38	18.04		-	21.77	26.00	-4.23	17.50

Traceability to Industry Recognized Test Methodologies

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

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

1.1.2. Point to Point

(Ref 15 dBi Gain of Directional antenna RW-9105-4958)

Equipment Configuration for Peak Transmit Power

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5180.0	11.31	9.08			13.35	30.00	-16.65	10.00
5210.0	26.19	25.79			29.00	30.00	-1.00	18.00 (GS)
5240.0	26.43	24.73			28.67	30.00	-1.33	18.00 (GS)

Traceability to Industry Recognized Test Methodologies

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

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

Gain Setting (GS): Setting used for the device to achieve measured level.

Equipment Configuration for Peak Transmit Power

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5190.0	5.48	3.65			7.67	30.00	-22.33	4.50
5210.0	26.47	25.17			28.88	30.00	-1.12	23.00 (GS)
5230.0	26.36	25.02			28.75	30.00	-1.25	23.00 (GS)

Traceability to Industry Recognized Test Methodologies

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

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

Gain Setting (GS): Setting used for the device to achieve measured level.

Equipment Configuration for Peak Transmit Power

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5210.0	26.91	25.77			29.39	30.00	-0.61	24.00 (GS)

Traceability to Industry Recognized Test Methodologies

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

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

Gain Setting (GS): Setting used for the device to achieve measured level.

Equipment Configuration for Peak Transmit Power

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5735.0	16.80	16.14			19.49	30.00	-10.51	15.00
5785.0	27.16	26.36			29.79	30.00	-0.21	22.00 (GS)
5840.0	16.78	17.06			19.93	30.00	-10.07	15.00

Traceability to Industry Recognized Test Methodologies

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

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

Gain Setting (GS): Setting used for the device to achieve measured level.

Equipment Configuration for Peak Transmit Power

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5745.0	15.47	14.43			17.99	30.00	-12.01	13.50
5785.0	26.58	24.30			28.60	30.00	-1.40	21.00 (GS)
5830.0	17.13	17.35			20.25	30.00	-9.75	15.00

Traceability to Industry Recognized Test Methodologies

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

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

Gain Setting (GS): Setting used for the device to achieve measured level.

Equipment Configuration for Peak Transmit Power

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Limit	Margin	EUT Power Setting
	Port(s)							
MHz	a	b	c	d	Σ Port(s) dBm	dBm	dB	
5765.0	13.46	12.51			16.02	30.00	-13.98	12.50
5785.0	26.61	24.34			28.63	30.00	-1.37	21.00 (GS)
5810.0	15.55	14.65			18.13	30.00	-11.87	13.00

Traceability to Industry Recognized Test Methodologies

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

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

Gain Setting (GS): Setting used for the device to achieve measured level.

1.2. 26 dB & 99% Bandwidth

Conducted Test Conditions for 26 dB and 99% Bandwidth			
Standard:	FCC CFR 47:15.407	Ambient Temp. (°C):	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:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5180.0	22.285	22.365			22.365	22.285		
5210.0	33.507	25.972			33.507	25.972		
5240.0	35.752	26.854			35.752	26.854		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5180.0	17.876	17.796			17.876	17.796		
5210.0	18.677	18.036			18.677	18.036		
5240.0	19.719	18.116			19.719	18.116		

Traceability to Industry Recognized Test Methodologies

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

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5190.0	43.607	45.050			45.050	43.607		
5210.0	71.984	63.647			71.984	63.647		
5230.0	77.114	62.846			77.114	62.846		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5190.0	36.393	36.393			36.393	36.393		
5210.0	38.317	36.874			38.317	36.874		
5230.0	40.721	37.355			40.721	37.355		

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:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.0
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)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5210.0	190.120	187.094			190.120	187.094		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5210.0	121.443	109.820			121.443	109.820		

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).

1.3. 6 dB & 99% Bandwidth

Conducted Test Conditions for 6 dB and 99% Bandwidth			
Standard:	FCC CFR 47:15.407	Ambient Temp. (°C):	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:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 6 dB Bandwidth (MHz)				6 dB Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5735.0	17.555	17.555			17.555	17.555		
5785.0	17.555	17.635			17.635	17.555		
5840.0	17.555	17.555			17.555	17.555		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5735.0	17.715	17.715			17.715	17.715		
5785.0	33.507	29.659			33.507	29.659		
5840.0	17.715	17.715			17.715	17.715		

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:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 6 dB Bandwidth (MHz)				6 dB Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5745.0	36.393	36.393			36.393	36.393		
5785.0	36.393	36.393			36.393	36.393		
5830.0	36.393	36.072			36.393	36.072		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5745.0	36.393	36.393			36.393	36.393		
5785.0	46.172	36.393			46.172	36.393		
5830.0	36.393	36.393			36.393	36.393		

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:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 6 dB Bandwidth (MHz)				6 dB Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5765.0	76.633	75.992			76.633	75.992		
5785.0	75.992	75.992			75.992	75.992		
5810.0	76.313	75.351			76.313	75.351		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	a	b	c	d	Highest	Lowest		
5765.0	75.992	75.992			75.992	75.992		
5785.0	100.040	76.313			100.040	76.313		
5810.0	75.992	75.671			75.992	75.671		

Traceability to Industry Recognized Test Methodologies

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

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

1.4. Power Spectral Density

Conducted Test Conditions for Power Spectral Density			
Standard:	FCC CFR 47:15.407	Ambient Temp. (°C):	24.0 - 27.5
Test Heading:	Power Spectral Density	Rel. Humidity (%):	32 - 45
Standard Section(s):	15.407 (a)	Pressure (mBars):	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for Power Spectral Density

The in-band power spectral density was measured using the test technique specified in KDB 789033. A 1 MHz measurement bandwidth was implemented for the analyzer sweep. Once the sweep is complete the analyzer trace data is downloaded and used for post processing purposes.

Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured separately. The Peak Power Spectral Density is the highest level found across the emission bandwidth. With multiple antenna port measurements the numerical analyzer data from each port is summed (â) and a link to this additional graphic is provided.

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

Measure and sum the spectra across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The individual spectra are then summed mathematically in linear power units. Unlike in-band power measurements, in which the sum involves a single measured value (output power) from each output, measurements for compliance with PSD limits involve summing entire spectra across corresponding frequency bins on the various outputs. Consistency is maintained for any device with multiple transmitter outputs to be certain the individual outputs are all aligned with the same span and same number of points. In this instance, the linear power spectrum value within the first spectral bin of output 0 is summed with that in the first spectral bin of output 1, and the first spectral bin of output 2, and so on up to the Nth output to obtain the true value for the first frequency bin of the summed spectrum. The summed spectrum value for each frequency bin is computed in this fashion. These summed spectral values were post processed and the resulting numerical and graphical data presented.

NOTE: It may be observed that spectrum in some plots break the limit line however this in itself does NOT constitute a failure. In all cases a spectrum summation plot is provided in order to prove compliance. A failure occurs only after the summation of all spectrum plots have been summed and are found to be greater than the limit line.

Supporting Information

Calculated Power = $A + 10 \log (1/x) \text{ dBm}$

$A = \text{Total Power Spectral Density} [10^{\log_{10} (10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})}]$

$x = \text{Duty Cycle}$

Limits Power Spectral Density

Operating Frequency Band 5150-5250 MHz

15. 407 (a)(1)

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

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

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any

corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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

Operating Frequency Band 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.

1.4.1. Point to Multi-Point

Equipment Configuration for Power Spectral Density			
Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results							
Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5180.0	-0.502	-2.687			1.520	13.0	-11.5
5210.0	10.819	8.669			12.890	13.0	-0.1
5240.0	10.079	9.555			12.770	13.0	-0.2

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5190.0	-8.974	-11.565			-7.031	13.0	-20.0
5210.0	9.015	6.635			11.010	13.0	-2.0
5230.0	8.651	7.790			11.250	13.0	-1.8

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5210.0	-14.534	-16.151			-12.258	13.0	-25.3

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/500 KHz)						
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5735.0	2.179	1.083			4.669	26.0	-21.3
5785.0	8.279	7.612			10.967	26.0	-15.0
5840.0	2.326	2.548			5.474	26.0	-20.5

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/500 KHz)						
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5745.0	-1.858	-3.381			0.404	26.0	-25.6
5785.0	4.697	4.870			7.803	26.0	-18.2
5830.0	-0.388	-0.555			2.527	26.0	-23.5

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	10.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/500 KHz)						
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5765.0	-7.102	-8.694			-5.058	26.0	-31.1
5785.0	1.396	1.116			4.296	26.0	-21.7
5810.0	-5.736	-7.210			-3.398	26.0	-29.4

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

1.4.2. Point to Point

Equipment Configuration for Power Spectral Density

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5180.0	-0.994	-3.234			1.051	17.0	-16.0
5210.0	14.714	12.303			16.718	17.0	-0.3
5240.0	14.321	12.285			16.443	17.0	-0.6

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5190.0	-9.416	-11.463			-7.266	17.0	-24.3
5210.0	11.357	9.642			13.638	17.0	-3.4
5230.0	11.554	9.963			13.851	17.0	-3.2

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5210.0	8.742	7.378			11.051	17.0	-6.0

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	20MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/500 KHz)						
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5735.0	1.547	0.640			4.148	21.0	-16.9
5785.0	13.368	12.423			15.878	21.0	-5.1
5840.0	1.546	1.941			4.783	21.0	-16.2

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	40MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/500 KHz)						
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5745.0	-2.879	-4.276			-0.472	21.0	-21.5
5785.0	8.196	5.802			10.207	21.0	-10.8
5830.0	-1.202	-0.745			2.016	21.0	-19.0

Traceability to Industry Recognized Test Methodologies

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density

Variant:	80MHz	Duty Cycle (%):	99.0
Data Rate:	13.00 MBit/s	Antenna Gain (dBi):	15.00
Modulation:	OFDM	Beam Forming Gain (Y)(dB):	Not Applicable
TPC:	Not Applicable	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.04 dB)	Limit	Margin
	Port(s) (dBm/500 KHz)						
MHz	a	b	c	d	dBm/500 KHz	dBm/500 KHz	dB
5765.0	-8.188	-9.202			-5.805	21.0	-26.8
5785.0	5.124	2.766			7.115	21.0	-13.9
5810.0	-5.716	-6.725			-3.164	21.0	-24.2

Traceability to Industry Recognized Test Methodologies

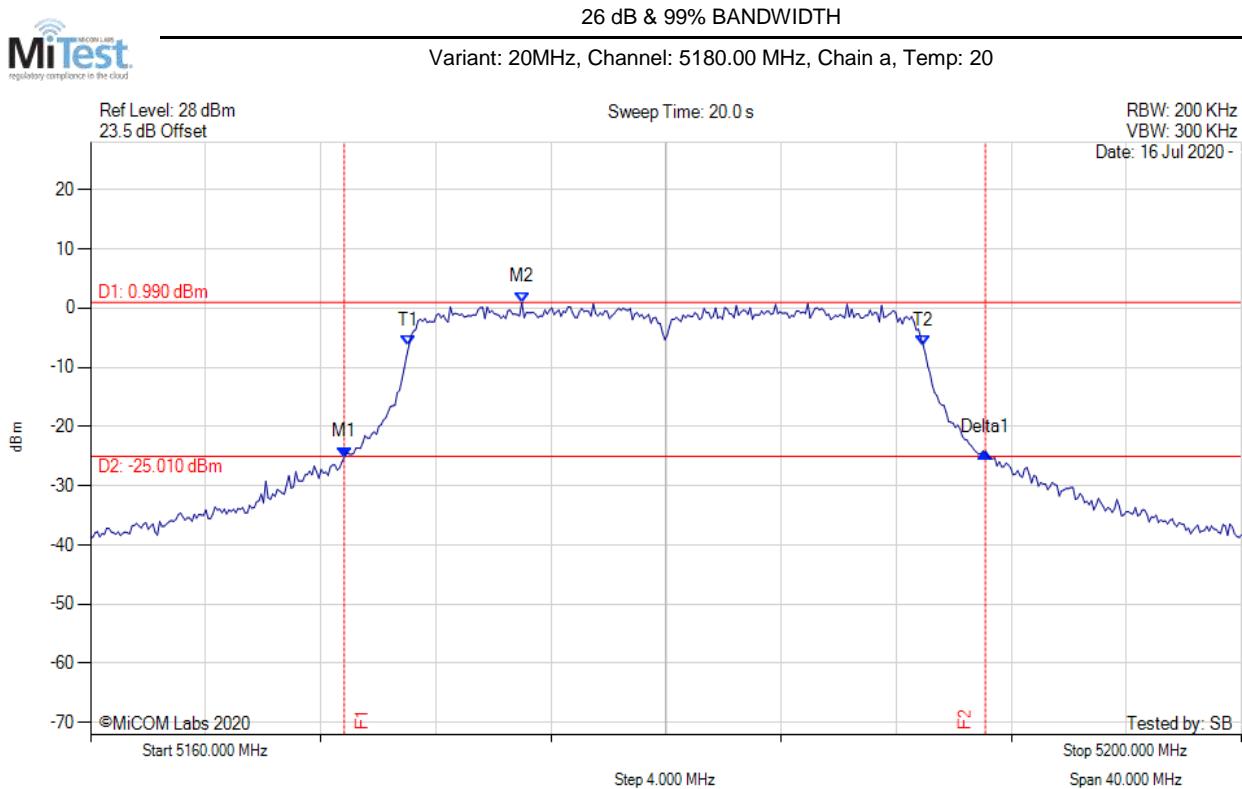
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

DCCF - Duty Cycle Correction Factor

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

A. APPENDIX - GRAPHICAL IMAGES

A.1. 26 dB & 99% Bandwidth

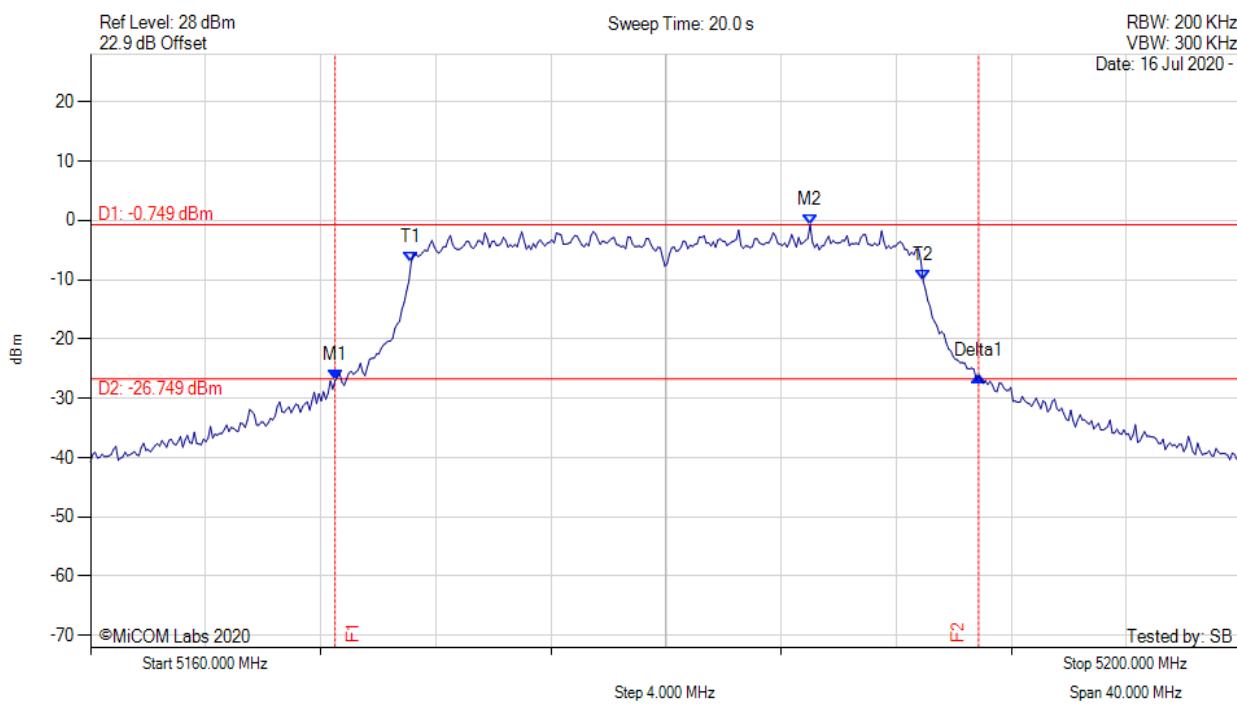


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.818 MHz : -25.211 dBm M2 : 5174.990 MHz : 0.990 dBm Delta1 : 22.285 MHz : 0.899 dB T1 : 5171.062 MHz : -6.450 dBm T2 : 5188.938 MHz : -6.295 dBm OBW : 17.876 MHz	Measured 26 dB Bandwidth: 22.285 MHz Measured 99% Bandwidth: 17.876 MHz

[back to matrix](#)

26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5180.00 MHz, Chain b, Temp: 20

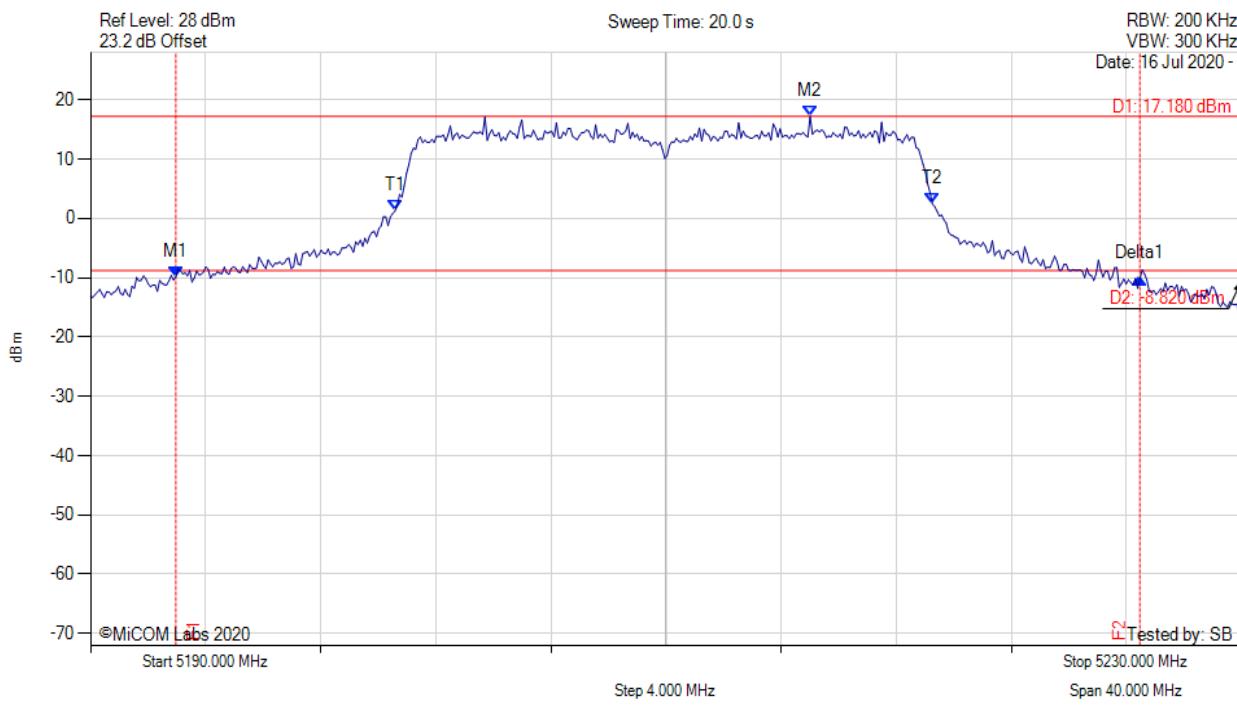


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.497 MHz : -27.015 dBm M2 : 5185.010 MHz : -0.749 dBm Delta1 : 22.365 MHz : 0.868 dB T1 : 5171.142 MHz : -7.074 dBm T2 : 5188.938 MHz : -10.224 dBm OBW : 17.796 MHz	Measured 26 dB Bandwidth: 22.365 MHz Measured 99% Bandwidth: 17.796 MHz

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26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5210.00 MHz, Chain a, Temp: 20

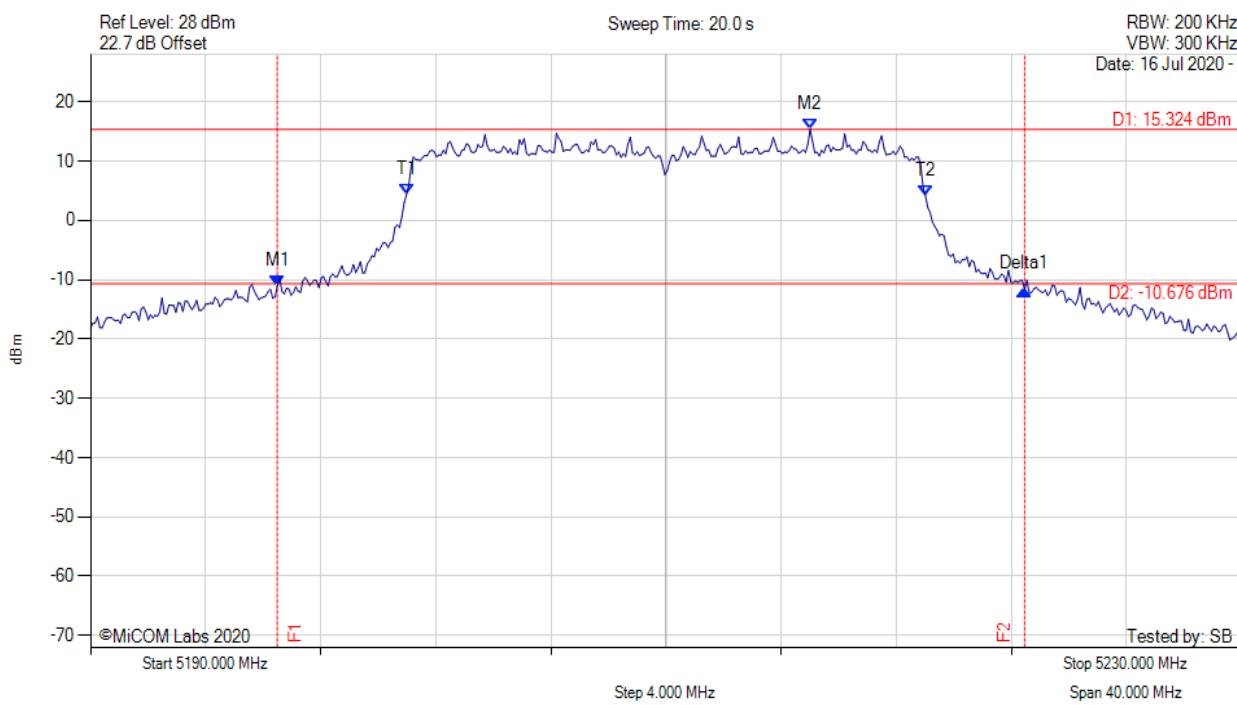


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5192.966 MHz : -9.797 dBm M2 : 5215.010 MHz : 17.180 dBm Delta1 : 33.507 MHz : -0.313 dB T1 : 5200.581 MHz : 1.252 dBm T2 : 5219.259 MHz : 2.426 dBm OBW : 18.677 MHz	Measured 26 dB Bandwidth: 33.507 MHz Measured 99% Bandwidth: 18.677 MHz

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26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

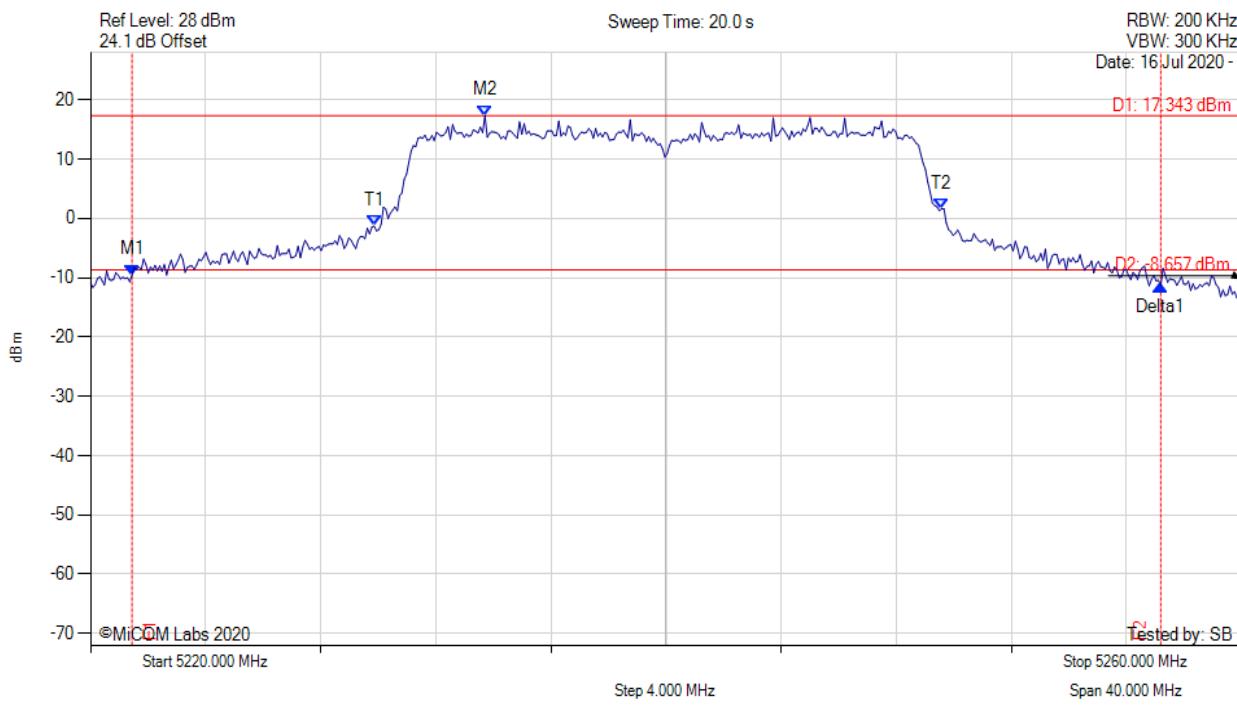


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5196.493 MHz : -11.062 dBm M2 : 5215.010 MHz : 15.324 dBm Delta1 : 25.972 MHz : -0.569 dB T1 : 5200.982 MHz : 4.392 dBm T2 : 5219.018 MHz : 4.181 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 25.972 MHz Measured 99% Bandwidth: 18.036 MHz

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26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5240.00 MHz, Chain a, Temp: 20

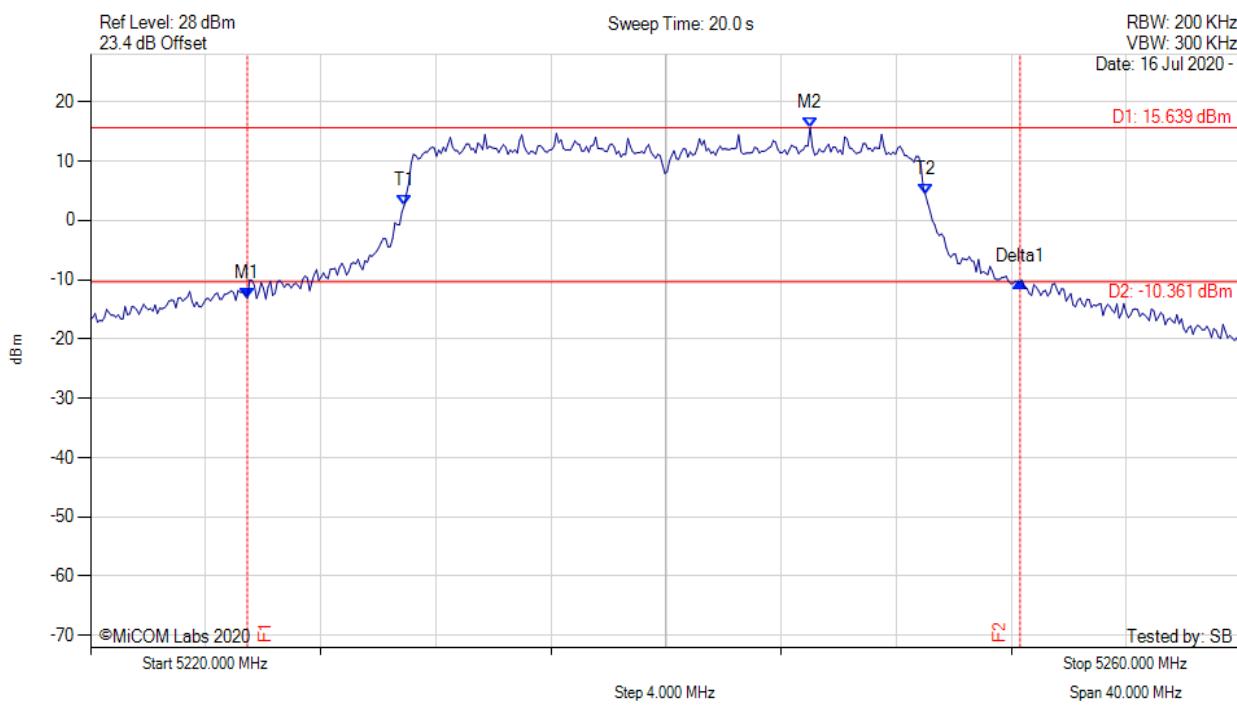


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5221.443 MHz : -9.549 dBm M2 : 5233.707 MHz : 17.343 dBm Delta1 : 35.752 MHz : -1.798 dB T1 : 5229.860 MHz : -1.286 dBm T2 : 5249.579 MHz : 1.635 dBm OBW : 19.719 MHz	Measured 26 dB Bandwidth: 35.752 MHz Measured 99% Bandwidth: 19.719 MHz

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26 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5240.00 MHz, Chain b, Temp: 20



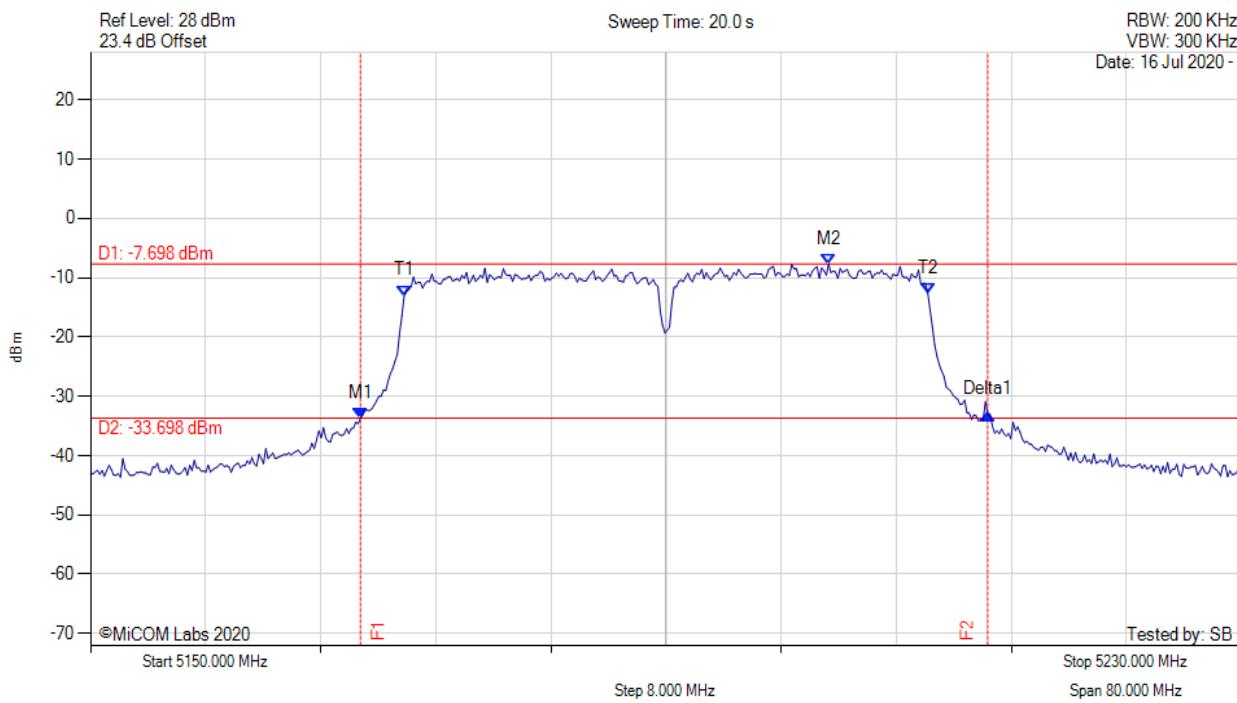
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5225.451 MHz : -13.151 dBm M2 : 5245.010 MHz : 15.639 dBm Delta1 : 26.854 MHz : 2.859 dB T1 : 5230.902 MHz : 2.511 dBm T2 : 5249.018 MHz : 4.317 dBm OBW : 18.116 MHz	Measured 26 dB Bandwidth: 26.854 MHz Measured 99% Bandwidth: 18.116 MHz

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26 dB & 99% BANDWIDTH



Variant: 40MHz, Channel: 5190.00 MHz, Chain a, Temp: 20



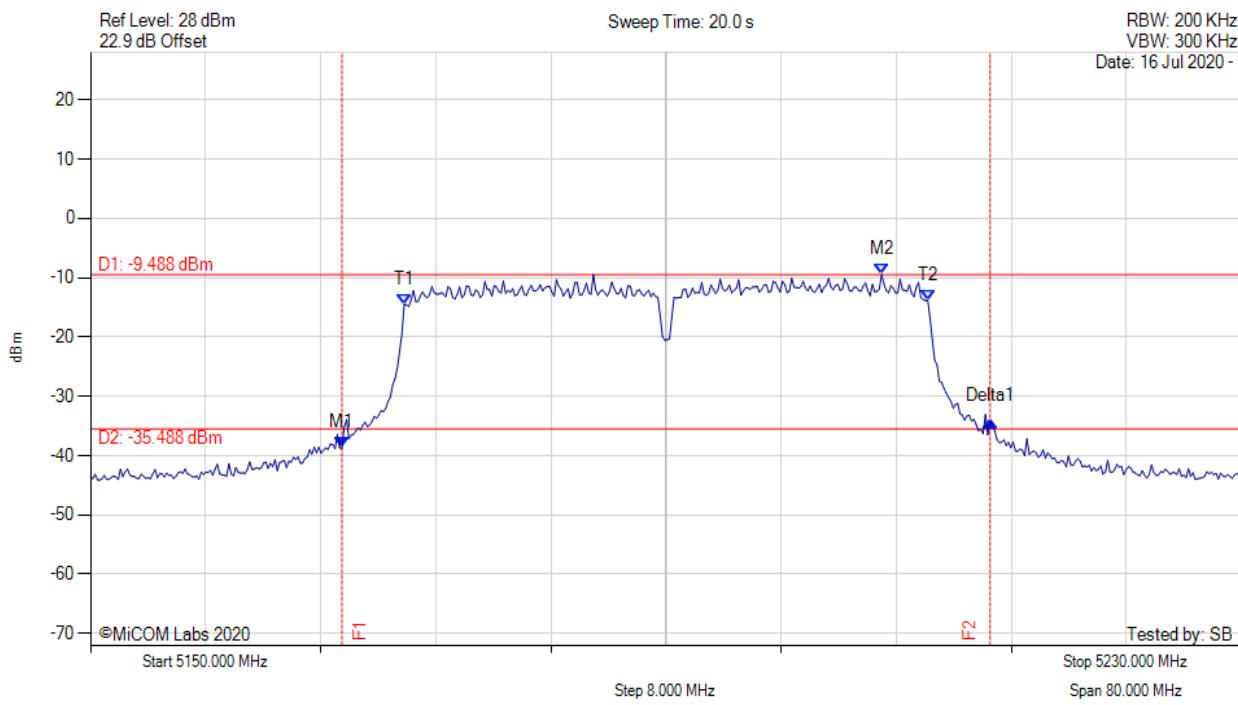
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.758 MHz : -33.710 dBm M2 : 5201.303 MHz : -7.698 dBm Delta1 : 43.607 MHz : 0.616 dB T1 : 5171.804 MHz : -13.041 dBm T2 : 5208.196 MHz : -12.606 dBm OBW : 36.393 MHz	Measured 26 dB Bandwidth: 43.607 MHz Measured 99% Bandwidth: 36.393 MHz

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26 dB & 99% BANDWIDTH



Variant: 40MHz, Channel: 5190.00 MHz, Chain b, Temp: 20

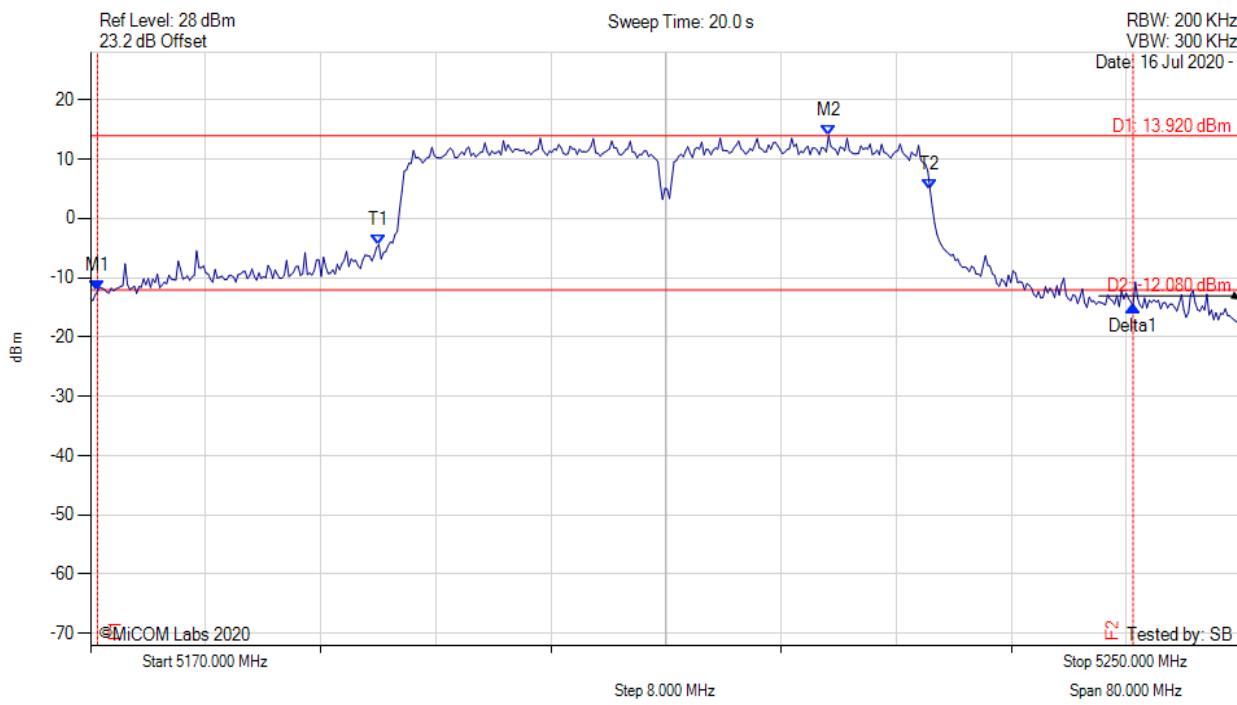


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5167.475 MHz : -38.723 dBm M2 : 5204.990 MHz : -9.488 dBm Delta1 : 45.050 MHz : 4.596 dB T1 : 5171.804 MHz : -14.503 dBm T2 : 5208.196 MHz : -13.830 dBm OBW : 36.393 MHz	Measured 26 dB Bandwidth: 45.050 MHz Measured 99% Bandwidth: 36.393 MHz

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26 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5210.00 MHz, Chain a, Temp: 20



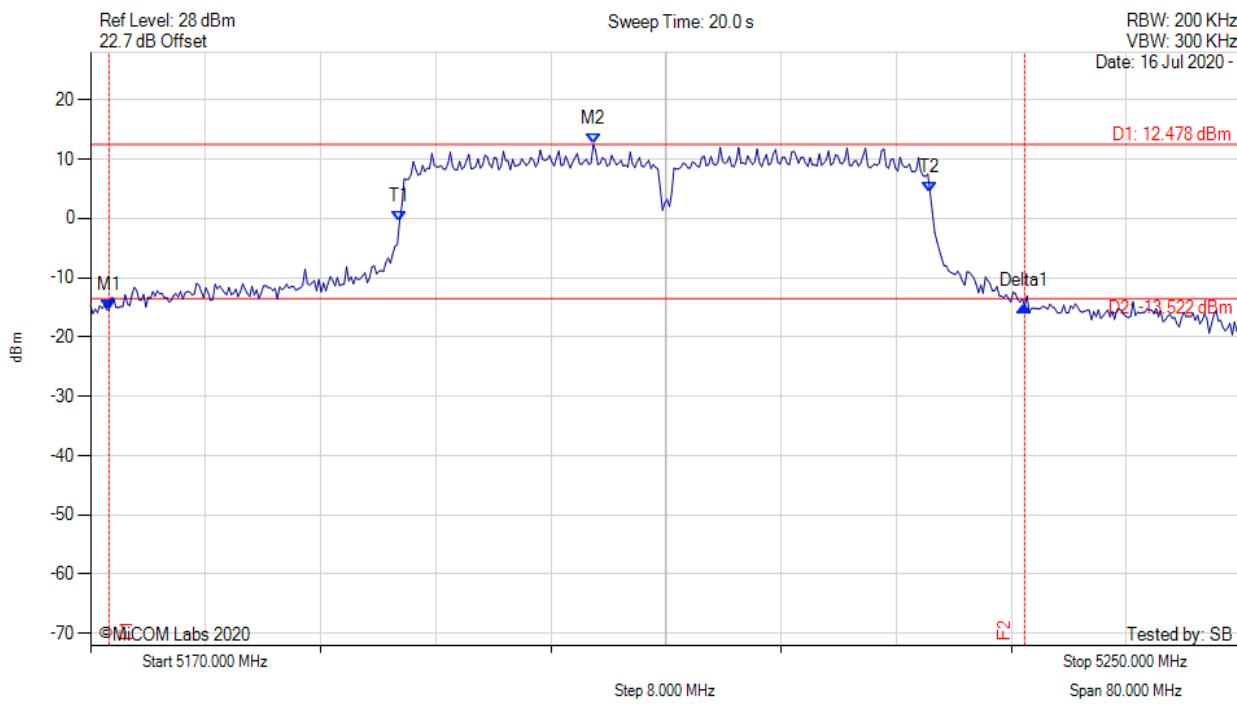
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5170.481 MHz : -12.258 dBm M2 : 5221.303 MHz : 13.920 dBm Delta1 : 71.984 MHz : -2.424 dB T1 : 5190.040 MHz : -4.440 dBm T2 : 5228.357 MHz : 4.771 dBm OBW : 38.317 MHz	Measured 26 dB Bandwidth: 71.984 MHz Measured 99% Bandwidth: 38.317 MHz

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26 dB & 99% BANDWIDTH



Variant: 40MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

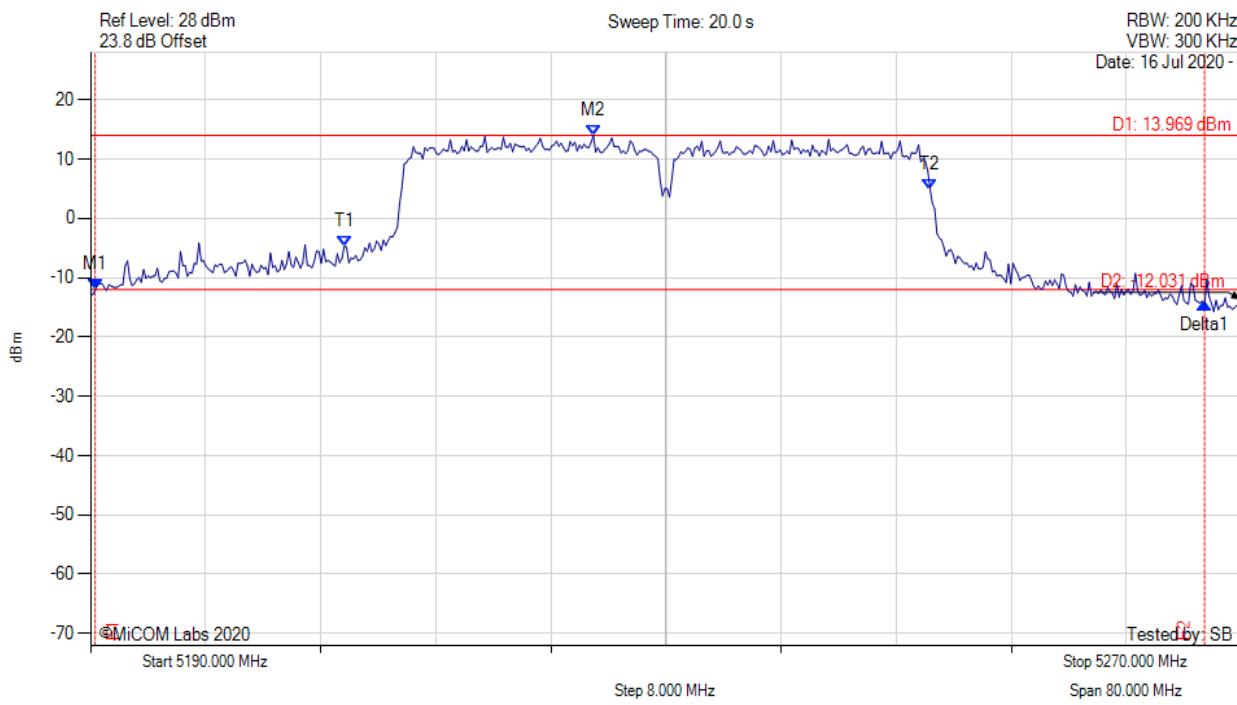


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5171.283 MHz : -15.484 dBm M2 : 5204.950 MHz : 12.478 dBm Delta1 : 63.647 MHz : 0.700 dB T1 : 5191.483 MHz : -0.529 dBm T2 : 5228.357 MHz : 4.360 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 63.647 MHz Measured 99% Bandwidth: 36.874 MHz

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26 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5230.00 MHz, Chain a, Temp: 20

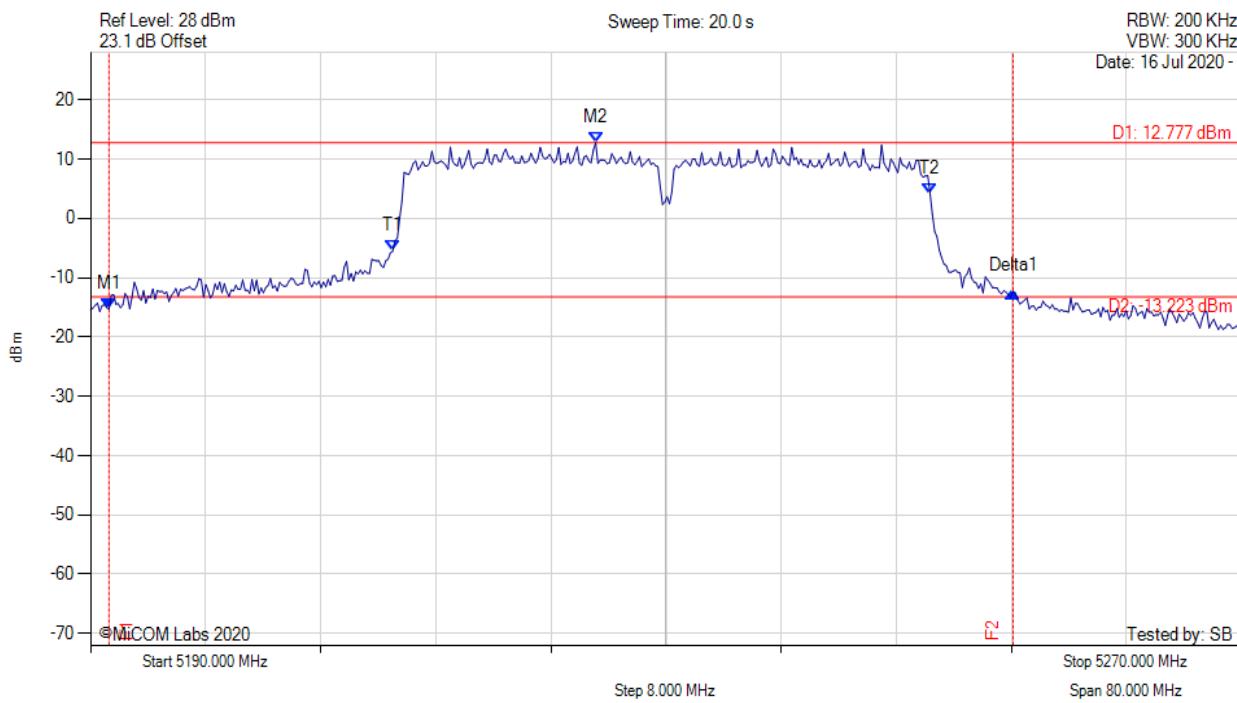


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5190.321 MHz : -12.093 dBm M2 : 5224.950 MHz : 13.969 dBm Delta1 : 77.114 MHz : -2.312 dB T1 : 5207.635 MHz : -4.684 dBm T2 : 5248.357 MHz : 4.931 dBm OBW : 40.721 MHz	Measured 26 dB Bandwidth: 77.114 MHz Measured 99% Bandwidth: 40.721 MHz

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26 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5230.00 MHz, Chain b, Temp: 20

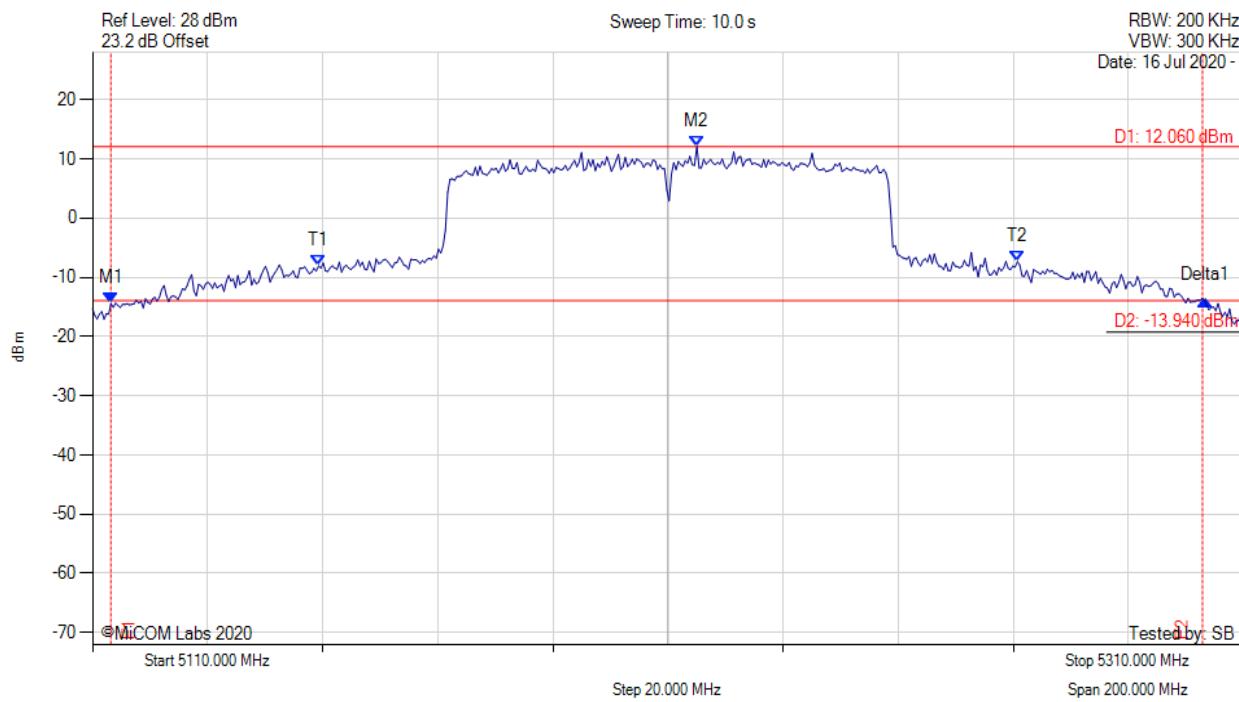


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5191.283 MHz : -15.266 dBm M2 : 5225.110 MHz : 12.777 dBm Delta1 : 62.846 MHz : 2.920 dB T1 : 5211.002 MHz : -5.508 dBm T2 : 5248.357 MHz : 4.136 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 62.846 MHz Measured 99% Bandwidth: 37.355 MHz

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26 dB & 99% BANDWIDTH

Variant: 80MHz, Channel: 5210.00 MHz, Chain a, Temp: 20

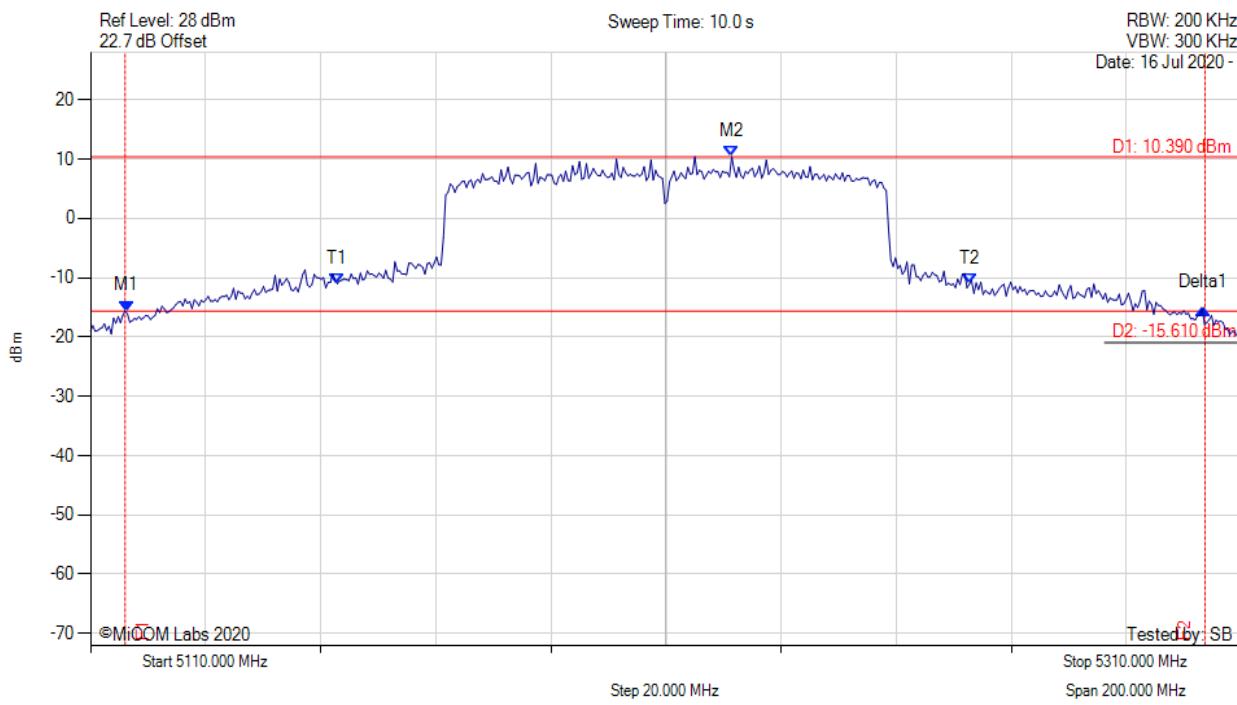


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5113.186 MHz : -14.424 dBm M2 : 5215.010 MHz : 12.062 dBm Delta1 : 190.120 MHz : 0.645 dB T1 : 5149.279 MHz : -8.064 dBm T2 : 5270.721 MHz : -7.359 dBm OBW : 121.443 MHz	Measured 26 dB Bandwidth: 190.120 MHz Measured 99% Bandwidth: 121.443 MHz

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26 dB & 99% BANDWIDTH

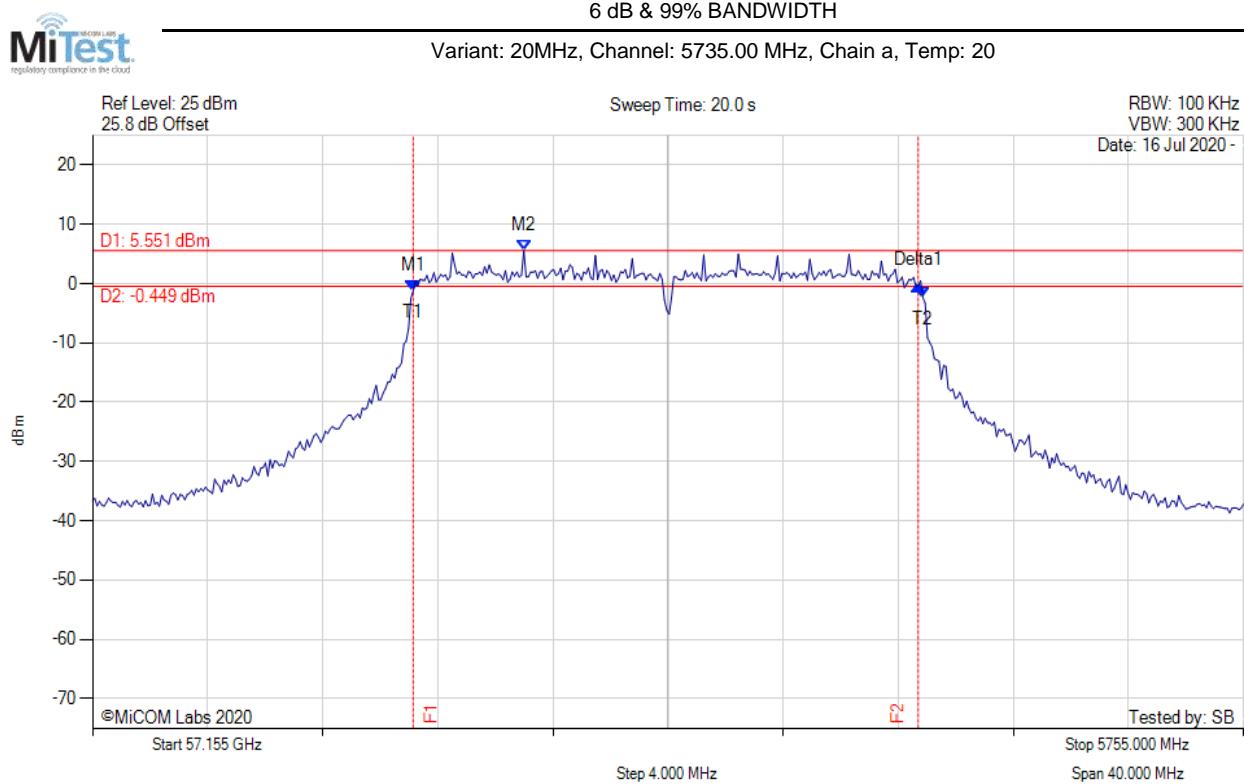
Variant: 80MHz, Channel: 5210.00 MHz, Chain b, Temp: 20



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5116.212 MHz : -15.620 dBm M2 : 5221.423 MHz : 10.392 dBm Delta1 : 187.094 MHz : 0.464 dB T1 : 5152.886 MHz : -11.021 dBm T2 : 5262.705 MHz : -11.103 dBm OBW : 109.820 MHz	Measured 26 dB Bandwidth: 187.094 MHz Measured 99% Bandwidth: 109.820 MHz

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A.2. 6 dB & 99% Bandwidth

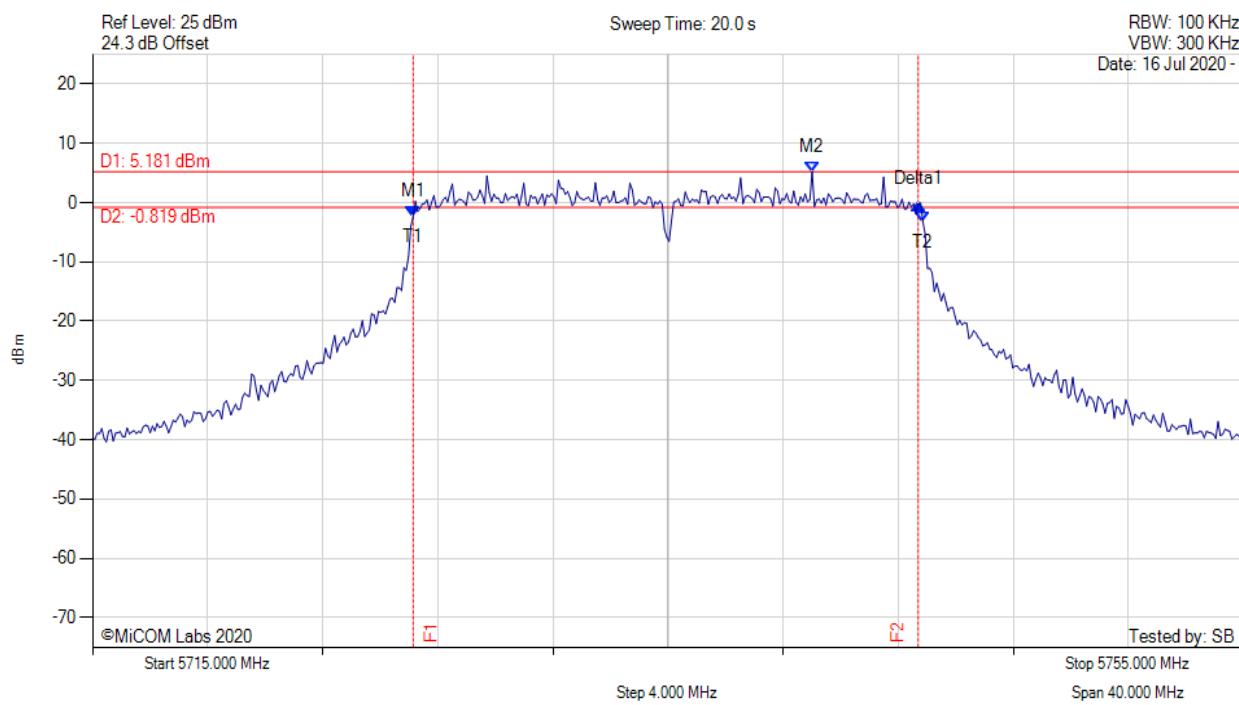


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5726.142 MHz : -1.243 dBm M2 : 5729.990 MHz : 5.551 dBm Delta1 : 17.555 MHz : 0.919 dB T1 : 5726.142 MHz : -1.243 dBm T2 : 5743.858 MHz : -2.338 dBm OBW : 17.715 MHz	Channel Frequency: 5735.00 MHz

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6 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5735.00 MHz, Chain b, Temp: 20

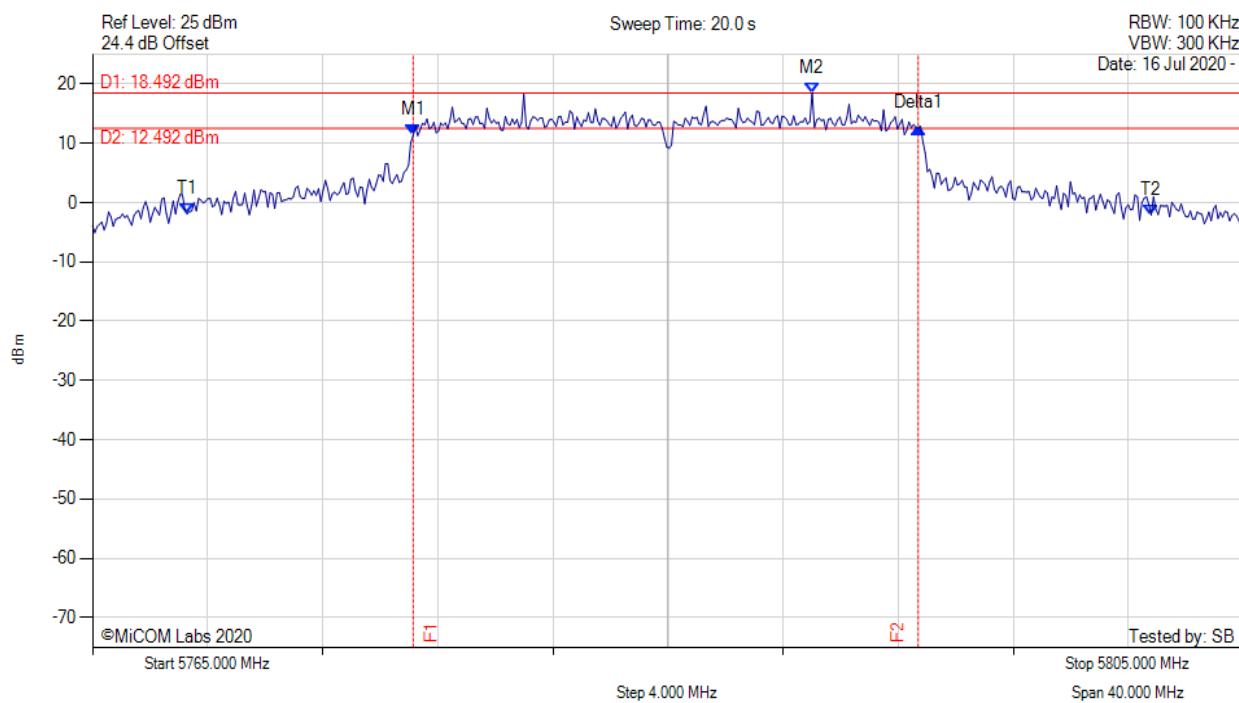


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5726.142 MHz : -2.32 dBm M2 : 5740.010 MHz : 5.180 dBm Delta1 : 17.555 MHz : 1.940 dB T1 : 5726.142 MHz : -2.320 dBm T2 : 5743.858 MHz : -3.220 dBm OBW : 17.715 MHz	Channel Frequency: 5735.00 MHz

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6 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

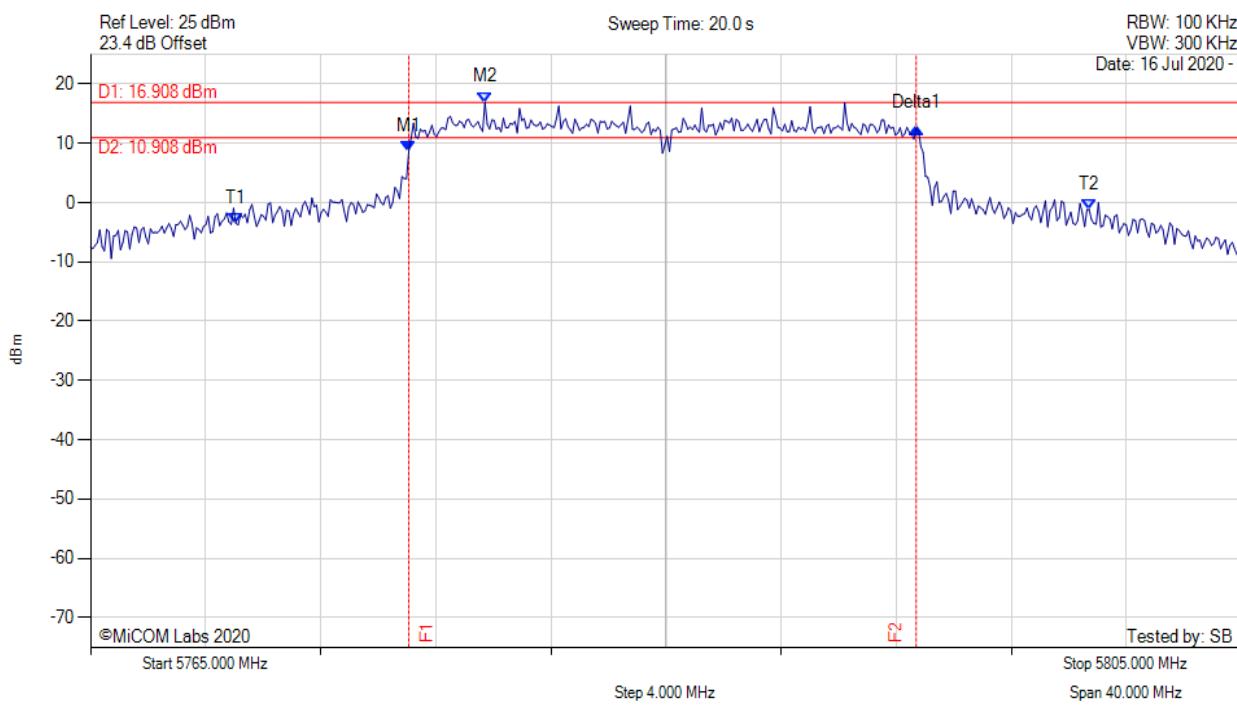


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.142 MHz : 11.325 dBm M2 : 5790.010 MHz : 18.492 dBm Delta1 : 17.555 MHz : 1.218 dB T1 : 5768.287 MHz : -1.908 dBm T2 : 5801.794 MHz : -2.087 dBm OBW : 33.507 MHz	Measured 6 dB Bandwidth: 17.555 MHz Measured 99% Bandwidth: 33.507 MHz

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6 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

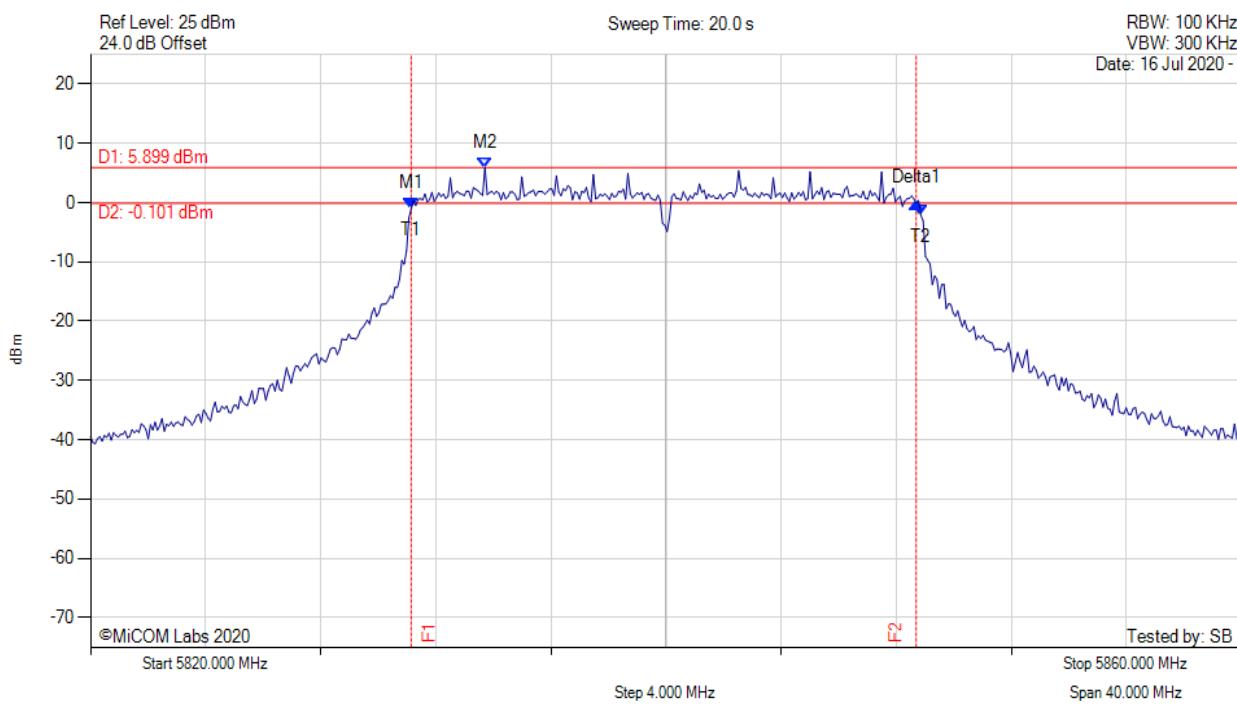


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5776.062 MHz : 8.689 dBm M2 : 5778.707 MHz : 16.908 dBm Delta1 : 17.635 MHz : 3.799 dB T1 : 5770.050 MHz : -3.462 dBm T2 : 5799.709 MHz : -1.191 dBm OBW : 29.659 MHz	Measured 6 dB Bandwidth: 17.635 MHz Measured 99% Bandwidth: 29.659 MHz

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6 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5840.00 MHz, Chain a, Temp: 20

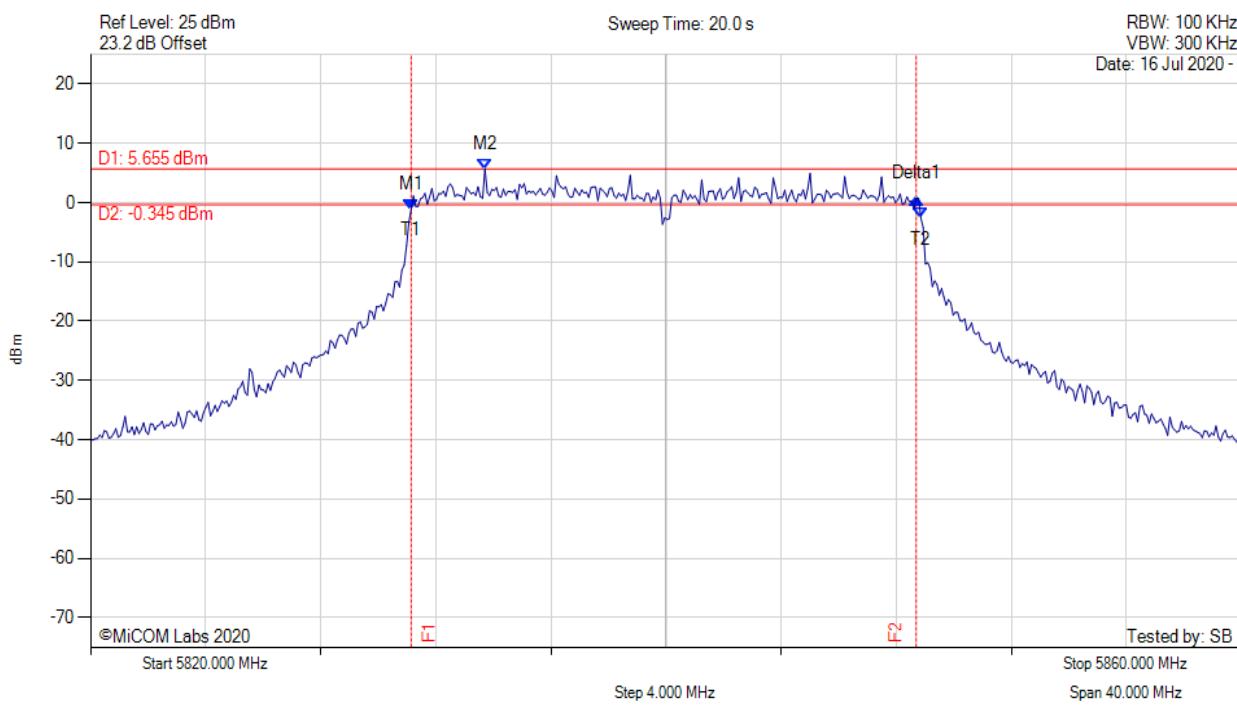


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5831.142 MHz : -1.071 dBm M2 : 5833.707 MHz : 5.899 dBm Delta1 : 17.555 MHz : 1.011 dB T1 : 5831.142 MHz : -1.071 dBm T2 : 5848.858 MHz : -2.114 dBm OBW : 17.715 MHz	Measured 6 dB Bandwidth: 17.555 MHz Measured 99% Bandwidth: 17.715 MHz

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6 dB & 99% BANDWIDTH

Variant: 20MHz, Channel: 5840.00 MHz, Chain b, Temp: 20

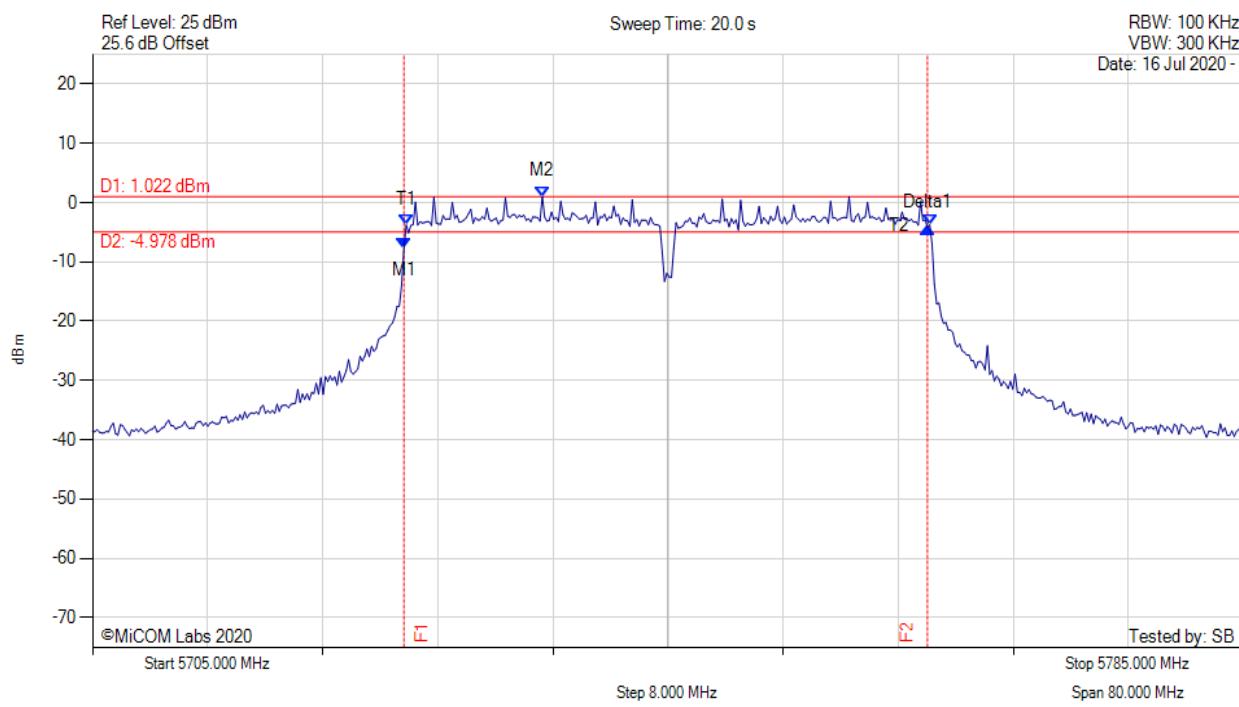


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5831.142 MHz : -1.115 dBm M2 : 5833.707 MHz : 5.655 dBm Delta1 : 17.555 MHz : 1.824 dB T1 : 5831.142 MHz : -1.115 dBm T2 : 5848.858 MHz : -2.590 dBm OBW : 17.715 MHz	Measured 6 dB Bandwidth: 17.555 MHz Measured 99% Bandwidth: 17.715 MHz

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6 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5745.00 MHz, Chain a, Temp: 20

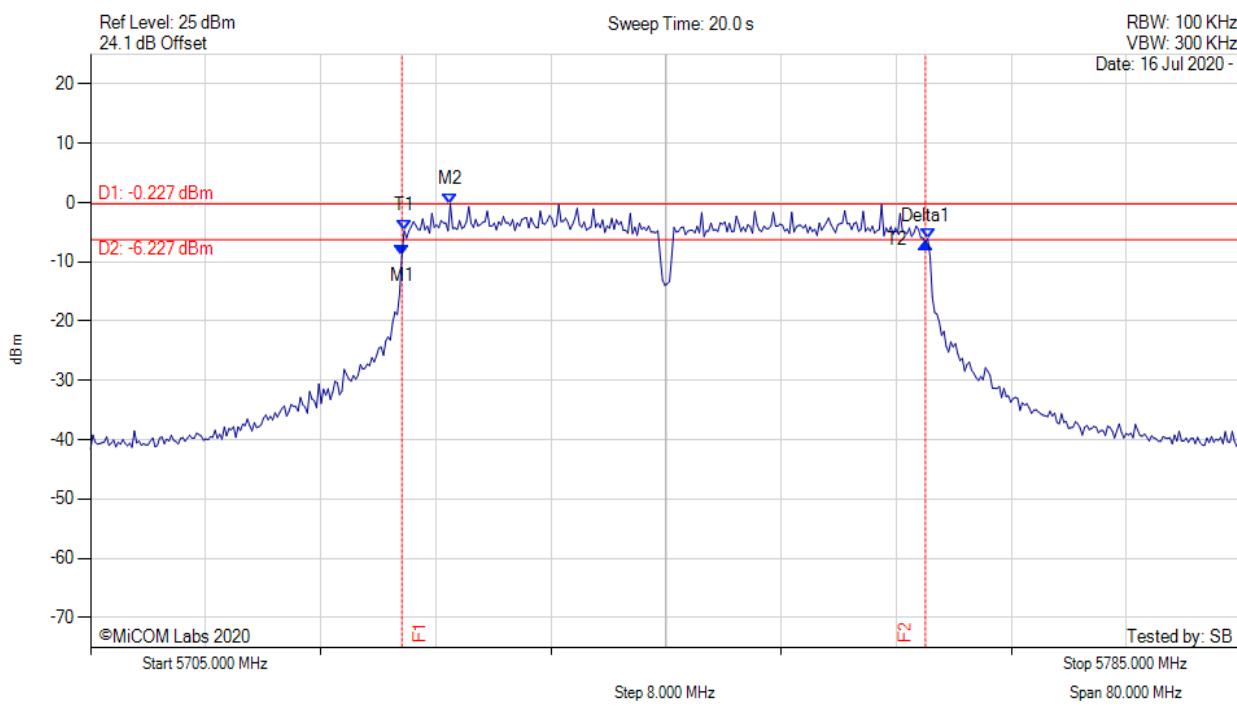


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5726.643 MHz : -7.731 dBm M2 : 5736.263 MHz : 1.022 dBm Delta1 : 36.393 MHz : 3.518 dB T1 : 5726.804 MHz : -3.778 dBm T2 : 5763.196 MHz : -3.763 dBm OBW : 36.393 MHz	Measured 6 dB Bandwidth: 36.393 MHz Measured 99% Bandwidth: 36.393 MHz

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6 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5745.00 MHz, Chain b, Temp: 20

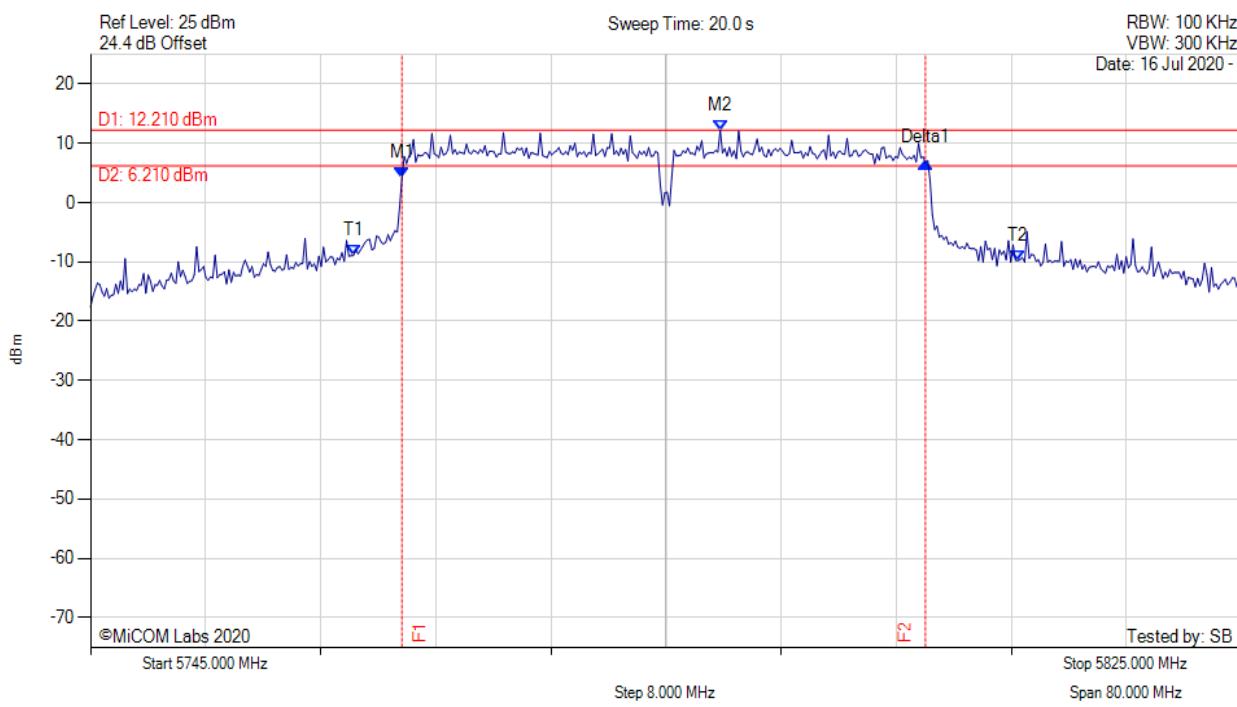


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5726.643 MHz : -8.819 dBm M2 : 5730.010 MHz : -0.227 dBm Delta1 : 36.393 MHz : 2.133 dB T1 : 5726.804 MHz : -4.735 dBm T2 : 5763.196 MHz : -6.116 dBm OBW : 36.393 MHz	Measured 6 dB Bandwidth: 36.393 MHz Measured 99% Bandwidth: 36.393 MHz

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6 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

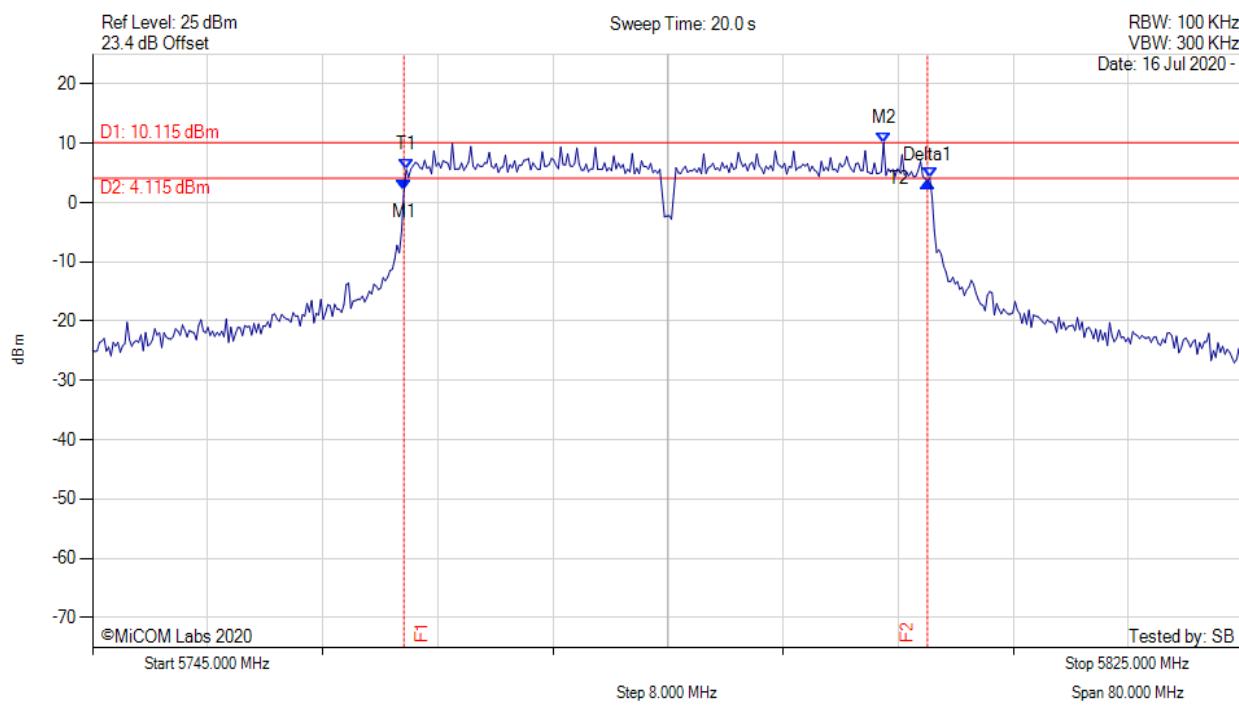


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5766.643 MHz : 4.140 dBm M2 : 5788.768 MHz : 12.210 dBm Delta1 : 36.393 MHz : 2.548 dB T1 : 5763.277 MHz : -8.911 dBm T2 : 5809.449 MHz : -9.749 dBm OBW : 46.172 MHz	Measured 6 dB Bandwidth: 36.393 MHz Measured 99% Bandwidth: 46.172 MHz

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6 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

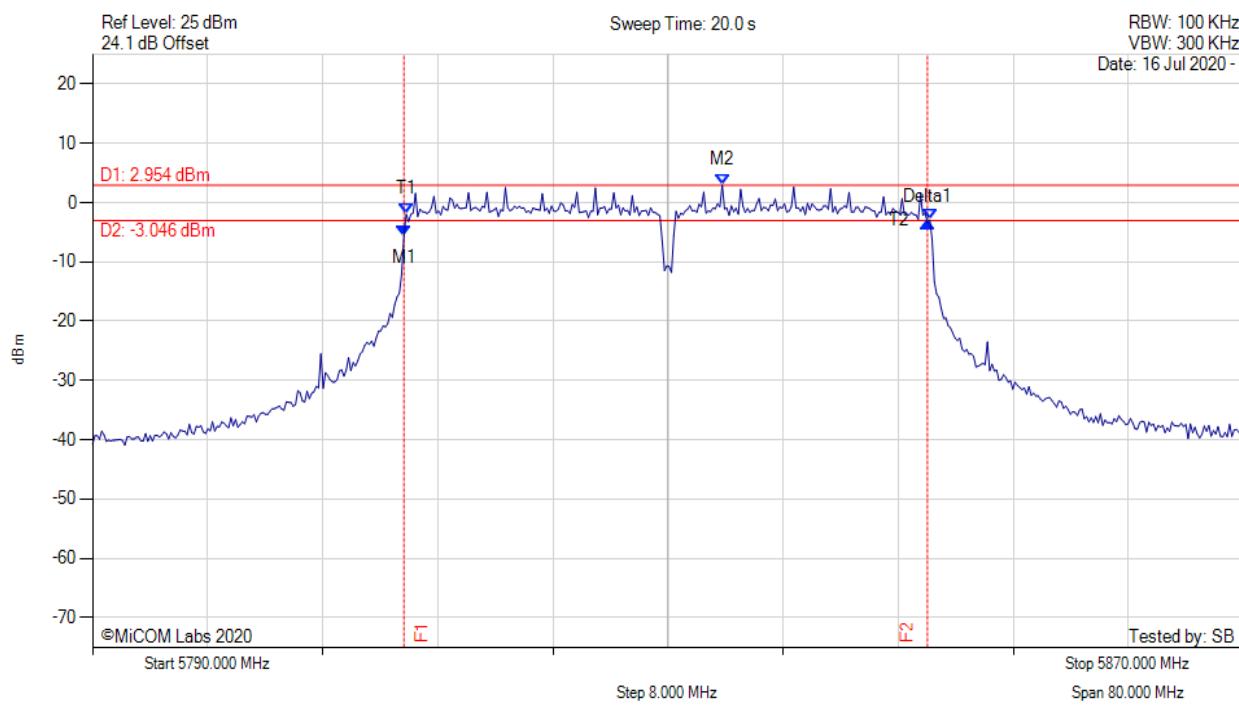


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5766.643 MHz : 1.992 dBm M2 : 5799.990 MHz : 10.115 dBm Delta1 : 36.393 MHz : 1.596 dB T1 : 5766.804 MHz : 5.566 dBm T2 : 5803.196 MHz : 4.162 dBm OBW : 36.393 MHz	Measured 6 dB Bandwidth: 36.393 MHz Measured 99% Bandwidth: 36.393 MHz

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6 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5830.00 MHz, Chain a, Temp: 20

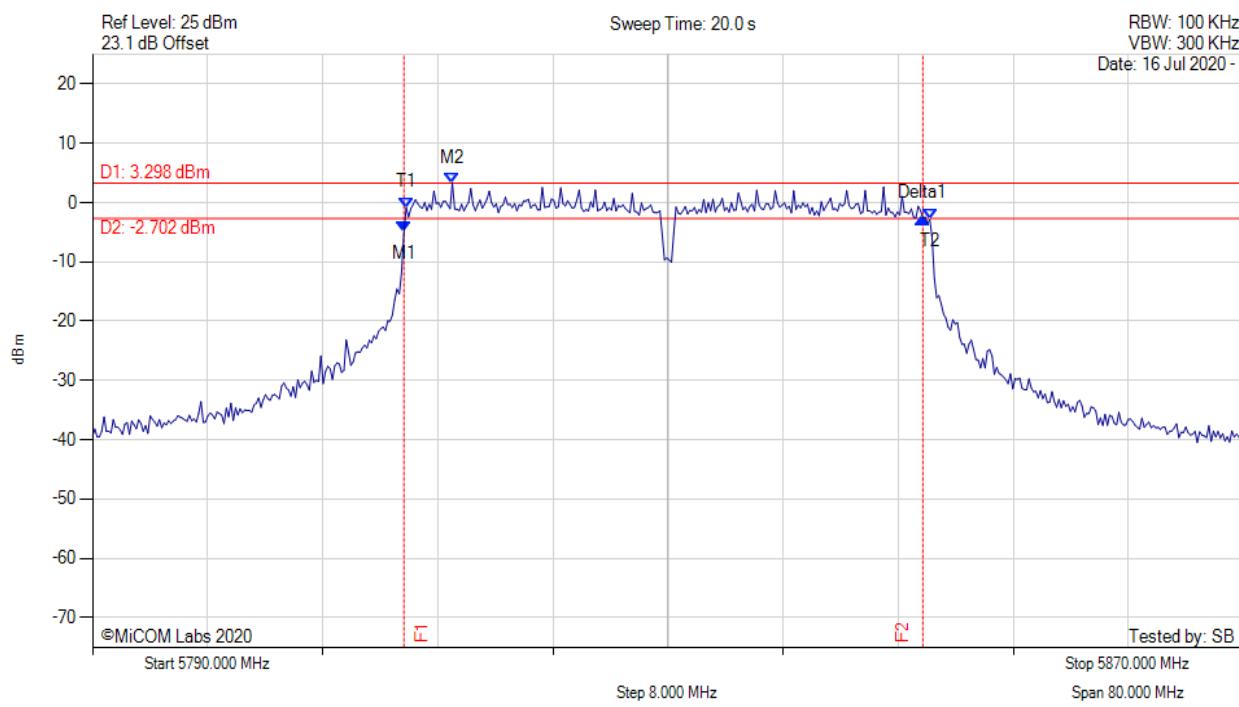


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5811.643 MHz : -5.640 dBm M2 : 5833.768 MHz : 2.954 dBm Delta1 : 36.393 MHz : 2.249 dB T1 : 5811.804 MHz : -1.951 dBm T2 : 5848.196 MHz : -2.931 dBm OBW : 36.393 MHz	Measured 6 dB Bandwidth: 36.393 MHz Measured 99% Bandwidth: 36.393 MHz

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6 dB & 99% BANDWIDTH

Variant: 40MHz, Channel: 5830.00 MHz, Chain b, Temp: 20

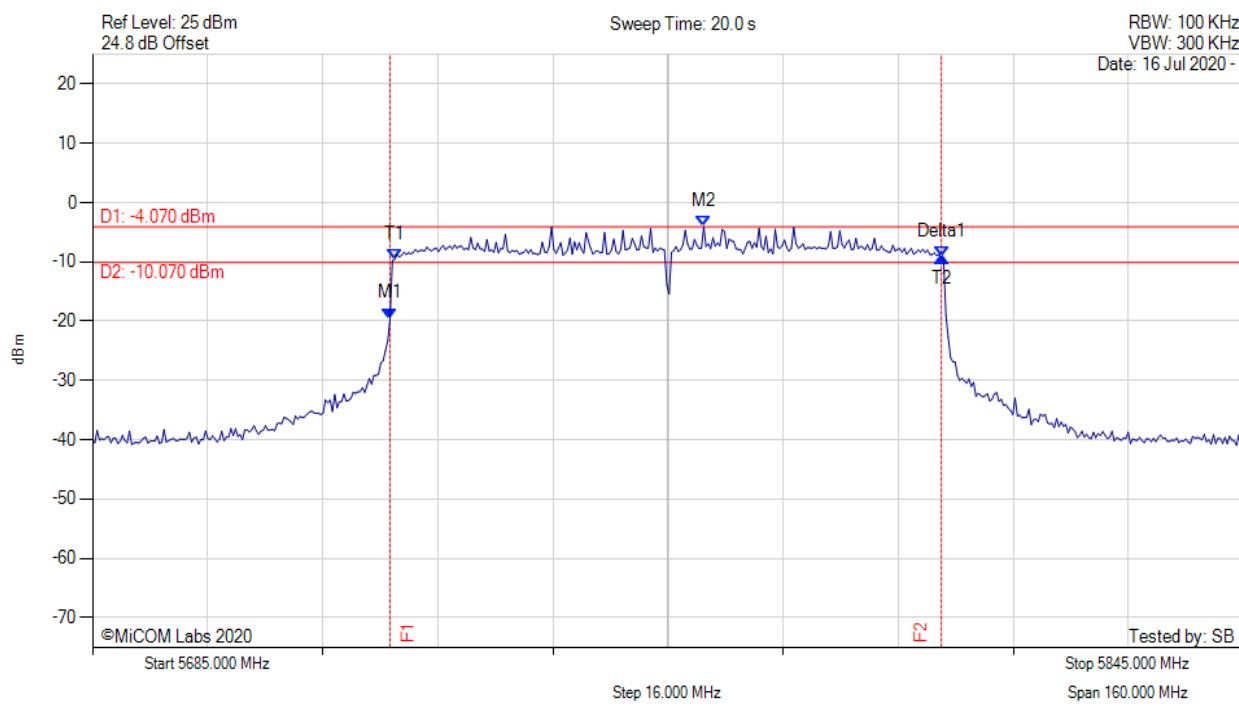


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5811.643 MHz : -5.040 dBm M2 : 5815.010 MHz : 3.298 dBm Delta1 : 36.072 MHz : 2.440 dB T1 : 5811.804 MHz : -0.845 dBm T2 : 5848.196 MHz : -2.870 dBm OBW : 36.393 MHz	Measured 6 dB Bandwidth: 36.072 MHz Measured 99% Bandwidth: 36.393 MHz

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6 dB & 99% BANDWIDTH

Variant: 80MHz, Channel: 5765.00 MHz, Chain a, Temp: 20

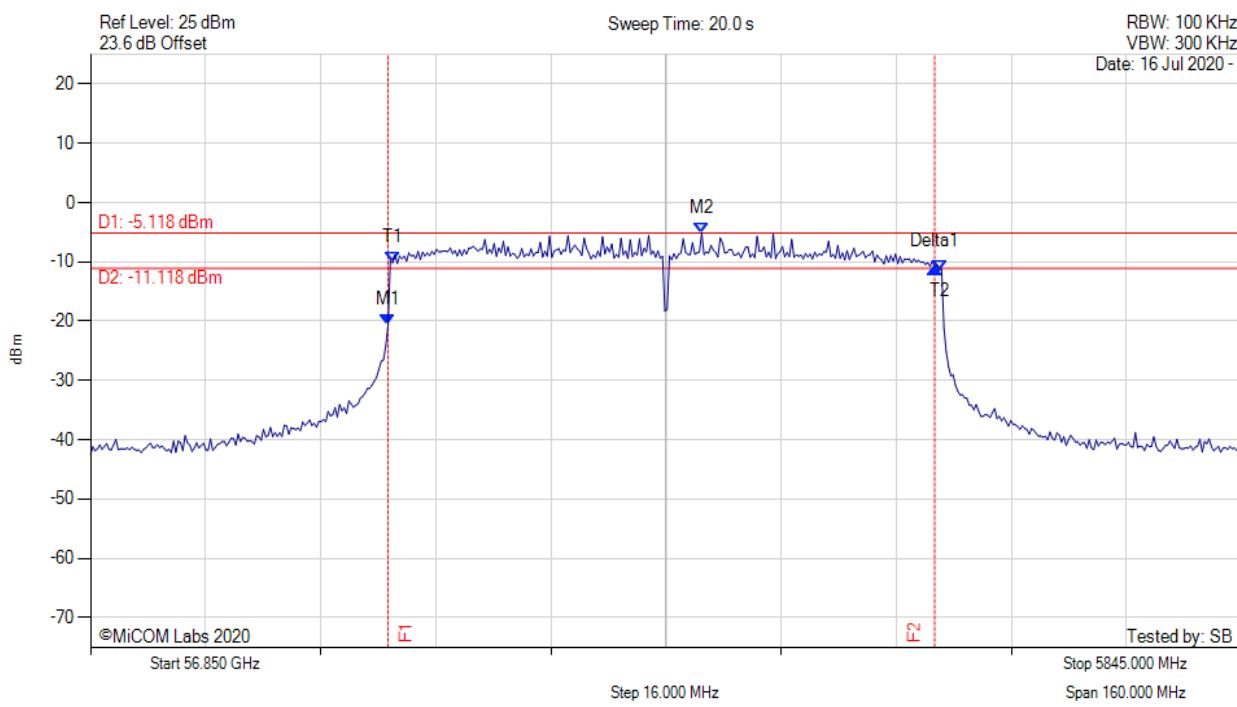


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5726.363 MHz : -19.545 dBm M2 : 5769.970 MHz : -4.070 dBm Delta1 : 76.633 MHz : 10.309 dB T1 : 5727.004 MHz : -9.568 dBm T2 : 5802.996 MHz : -9.236 dBm OBW : 75.992 MHz	Measured 6 dB Bandwidth: 76.633 MHz Measured 99% Bandwidth: 75.992 MHz

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6 dB & 99% BANDWIDTH

Variant: 80MHz, Channel: 5765.00 MHz, Chain b, Temp: 20

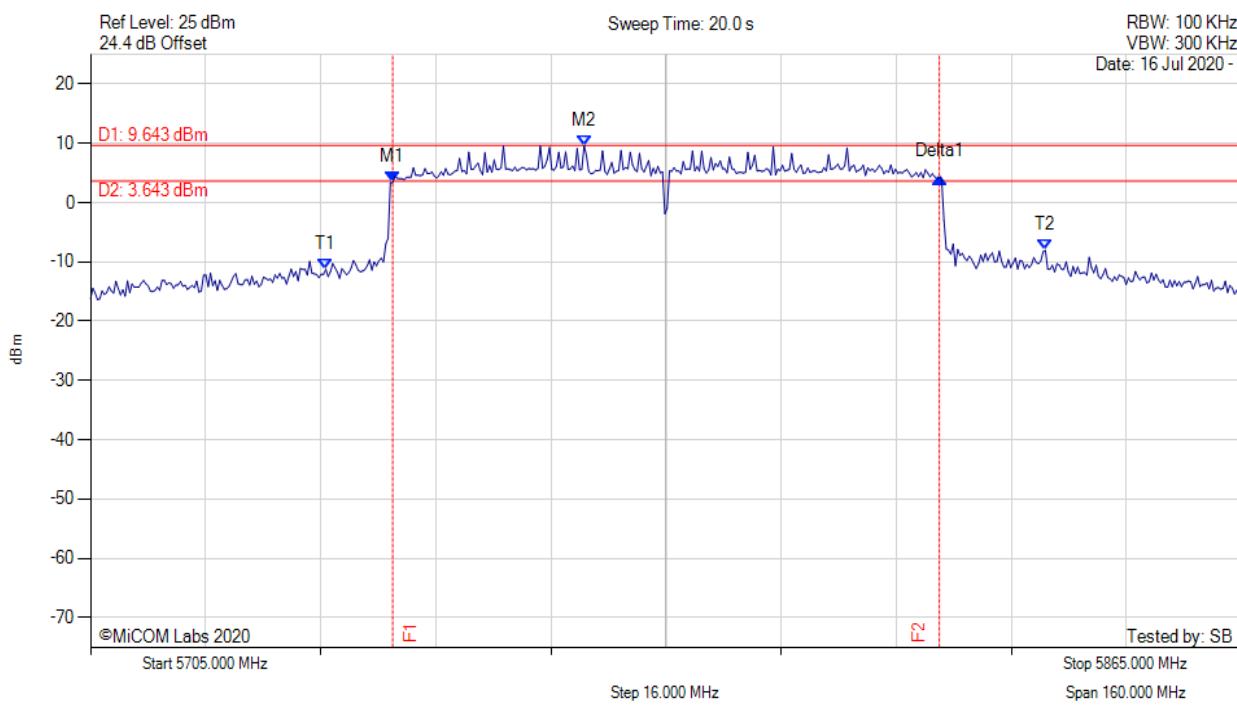


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5726.363 MHz : -20.645 dBm M2 : 5769.970 MHz : -5.118 dBm Delta1 : 75.992 MHz : 9.748 dB T1 : 5727.004 MHz : -10.155 dBm T2 : 5802.996 MHz : -11.424 dBm OBW : 75.992 MHz	Measured 6 dB Bandwidth: 75.992 MHz Measured 99% Bandwidth: 75.992 MHz

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6 dB & 99% BANDWIDTH

Variant: 80MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

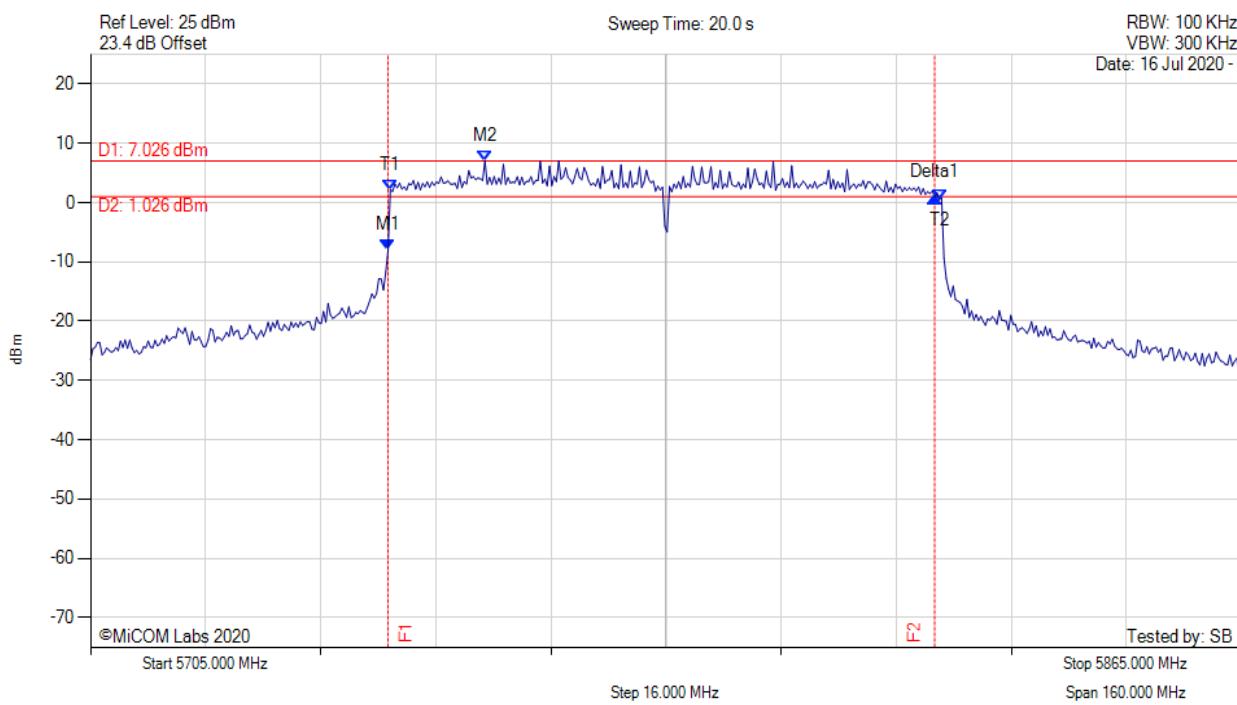


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5747.004 MHz : 3.383 dBm M2 : 5773.617 MHz : 9.643 dBm Delta1 : 75.992 MHz : 0.891 dB T1 : 5737.705 MHz : -11.264 dBm T2 : 5837.745 MHz : -8.061 dBm OBW : 100.040 MHz	Measured 6 dB Bandwidth: 75.992 MHz Measured 99% Bandwidth: 100.040 MHz

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6 dB & 99% BANDWIDTH

Variant: 80MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

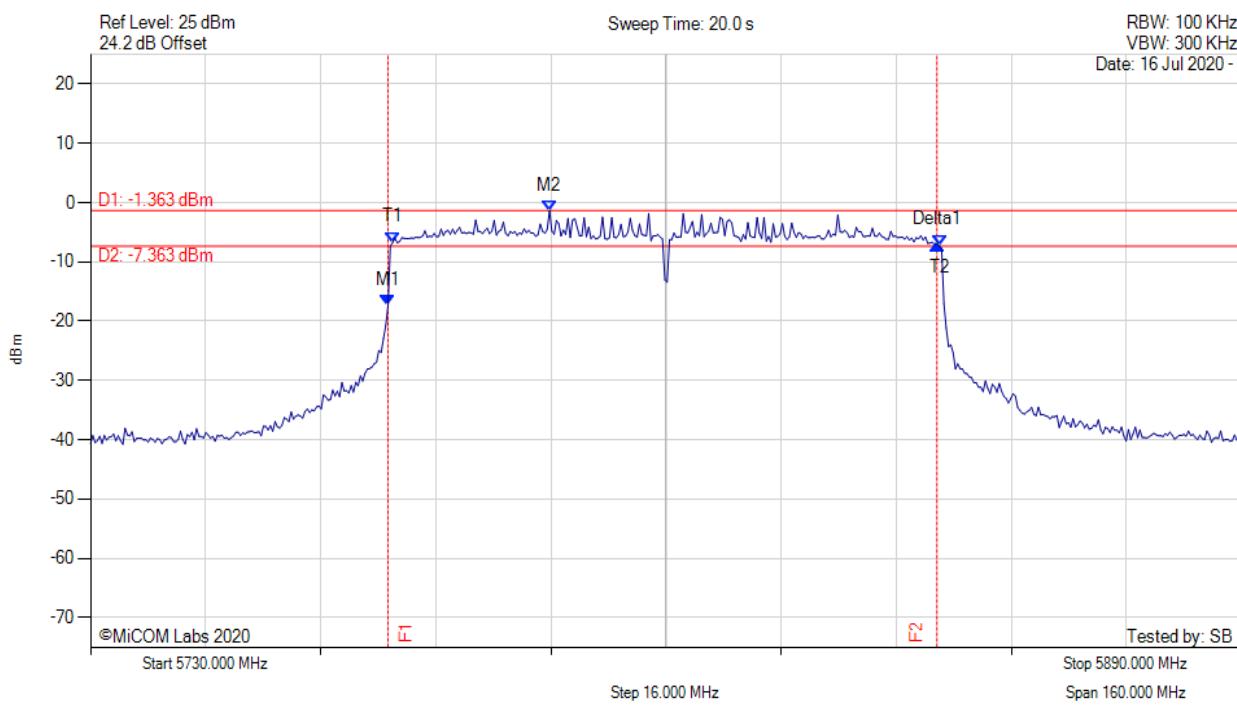


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5746.363 MHz : -8.012 dBm M2 : 5759.830 MHz : 7.026 dBm Delta1 : 75.992 MHz : 9.007 dB T1 : 5746.683 MHz : 2.118 dBm T2 : 5822.996 MHz : 0.518 dBm OBW : 76.313 MHz	Measured 6 dB Bandwidth: 75.992 MHz Measured 99% Bandwidth: 76.313 MHz

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6 dB & 99% BANDWIDTH

Variant: 80MHz, Channel: 5810.00 MHz, Chain a, Temp: 20

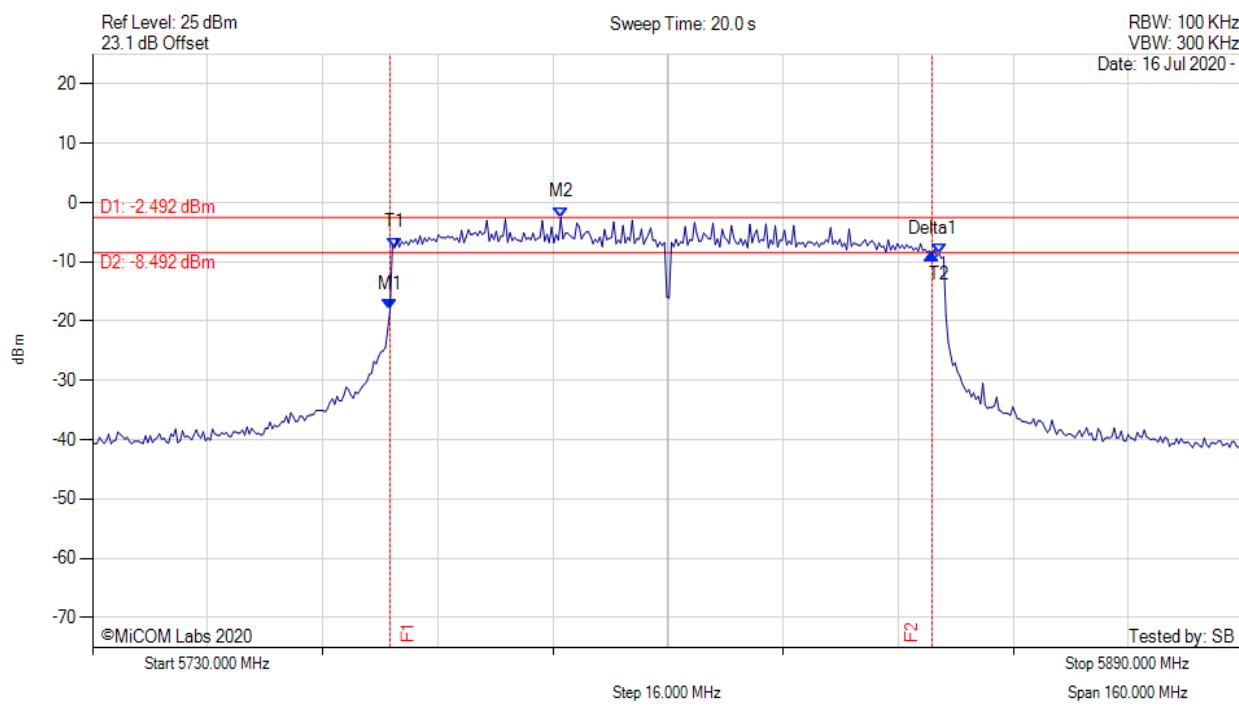


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5771.363 MHz : -17.255 dBm M2 : 5793.808 MHz : -1.363 dBm Delta1 : 76.313 MHz : 10.311 dB T1 : 5772.004 MHz : -6.704 dBm T2 : 5847.996 MHz : -7.345 dBm OBW : 75.992 MHz	Measured 6 dB Bandwidth: 76.313 MHz Measured 99% Bandwidth: 75.992 MHz

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6 dB & 99% BANDWIDTH

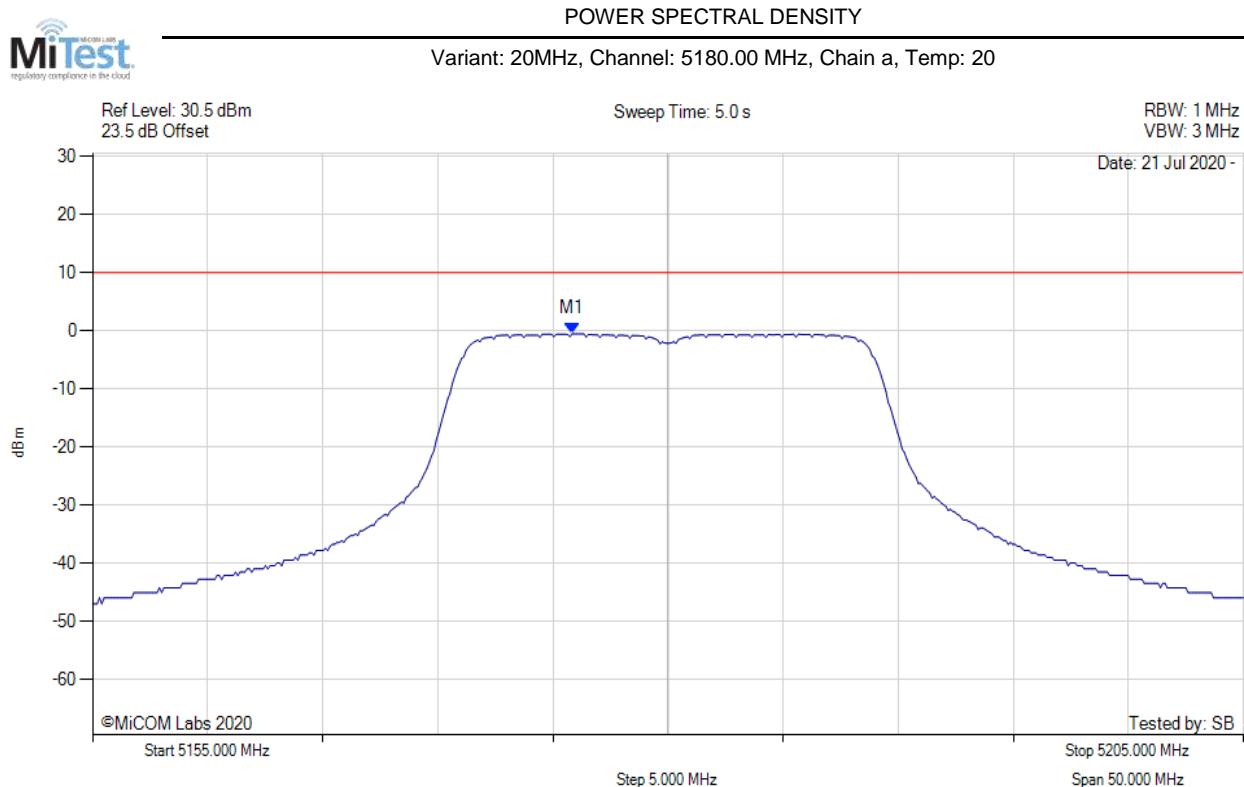
Variant: 80MHz, Channel: 5810.00 MHz, Chain b, Temp: 20



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5771.363 MHz : -18.008 dBm M2 : 5795.090 MHz : -2.492 dBm Delta1 : 75.351 MHz : 9.286 dB T1 : 5772.004 MHz : -7.627 dBm T2 : 5847.675 MHz : -8.569 dBm OBW : 75.671 MHz	Measured 6 dB Bandwidth: 75.351 MHz Measured 99% Bandwidth: 75.671 MHz

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A.3. Power Spectral Density



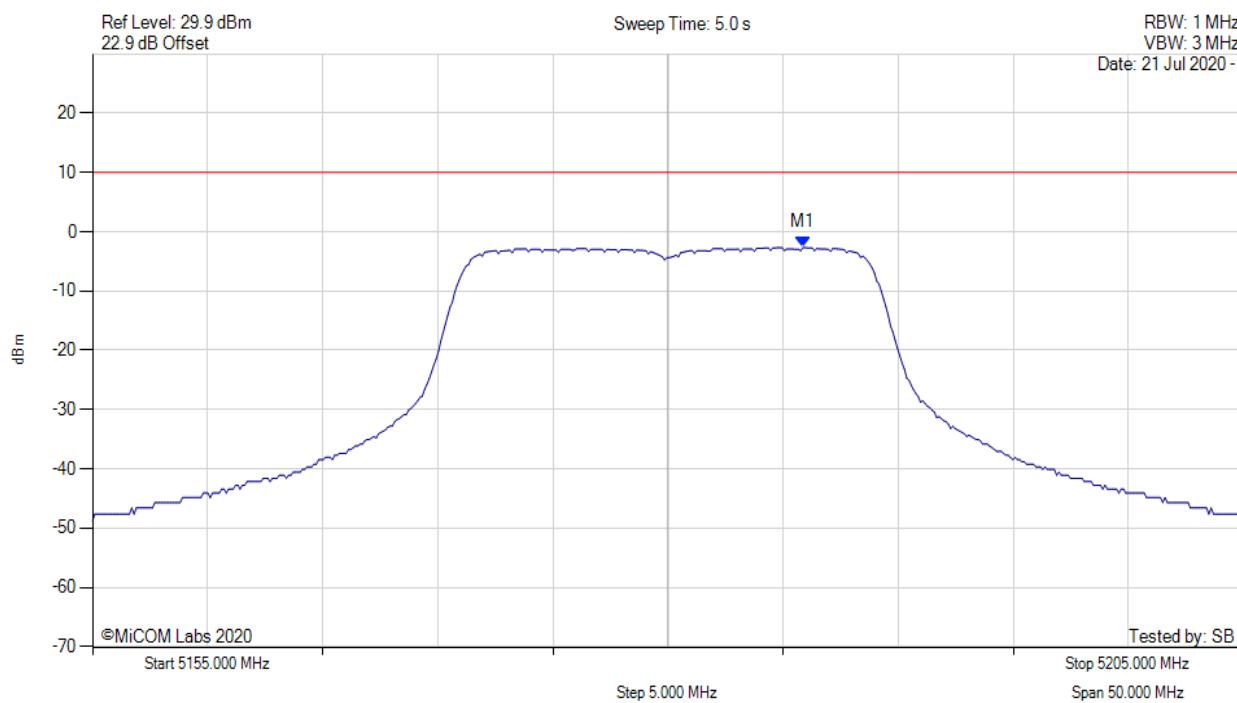
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5175.842 MHz : -0.502 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5180.00 MHz, Chain b, Temp: 20

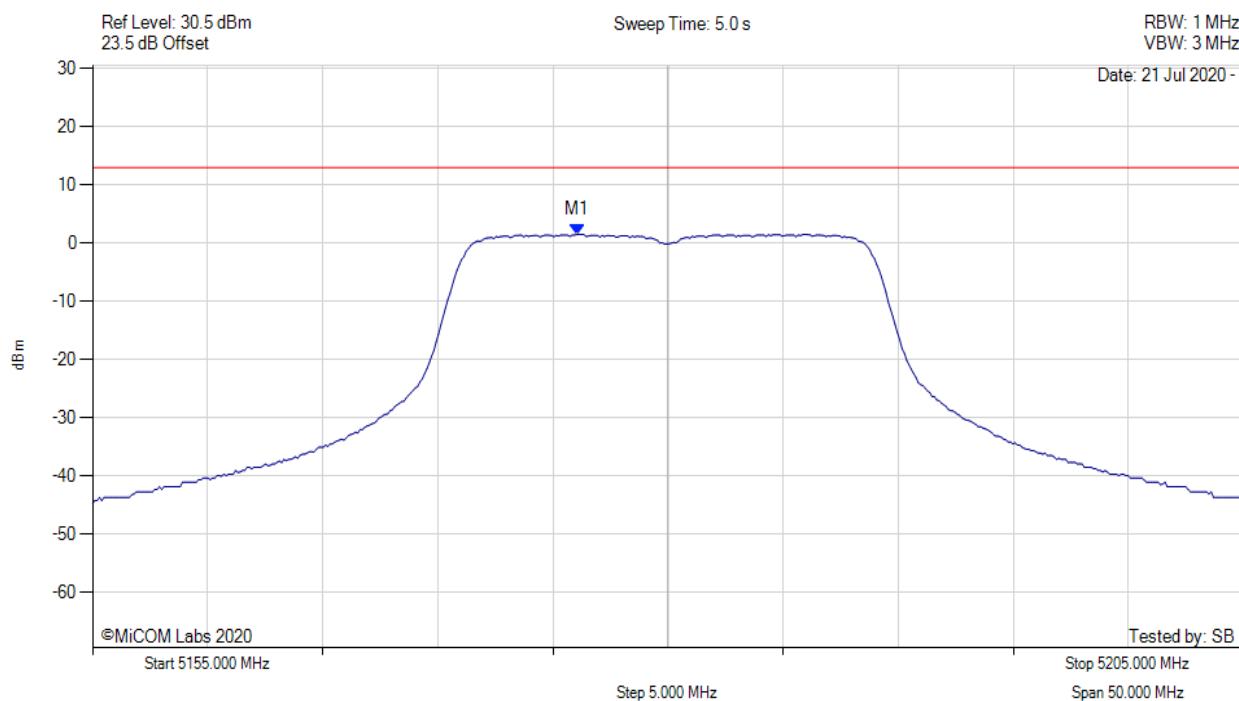


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5185.862 MHz : -2.687 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5180.00 MHz, SUM, Temp: 20

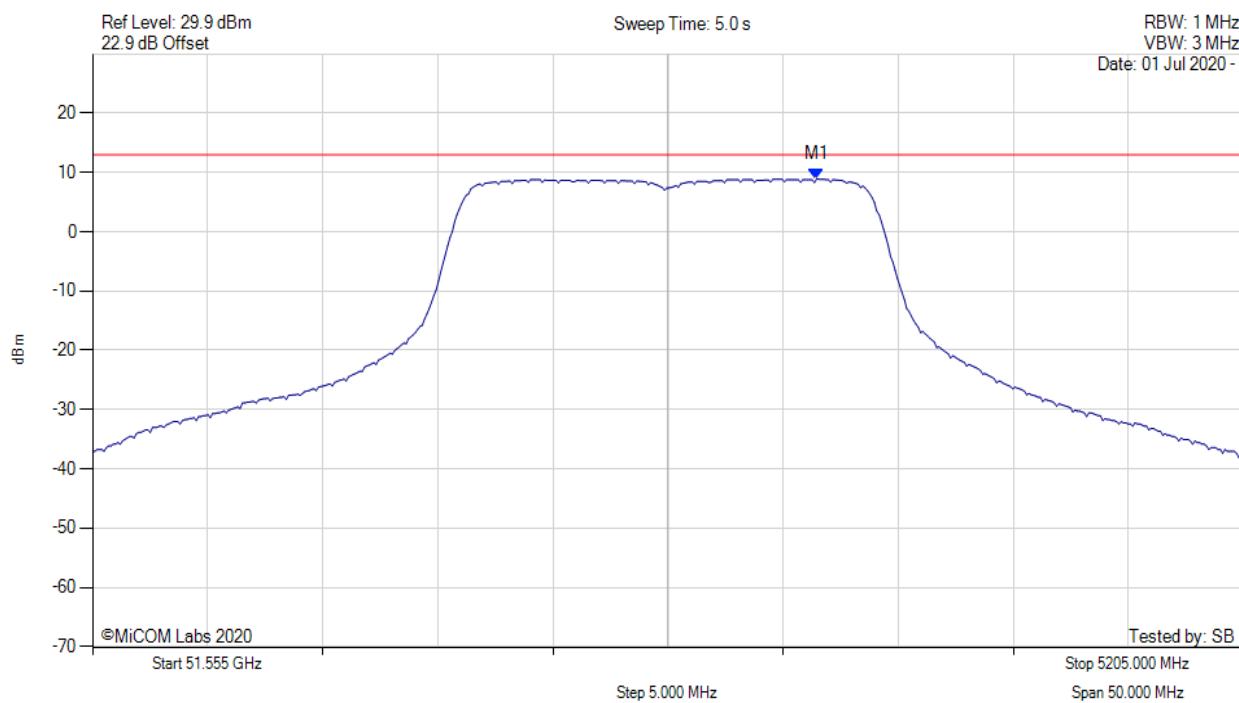


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5176.000 MHz : 1.476 dBm M1 + DCCF : 5176.000 MHz : 1.520 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -11.5 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5180.00 MHz, SUM, Temp: 20



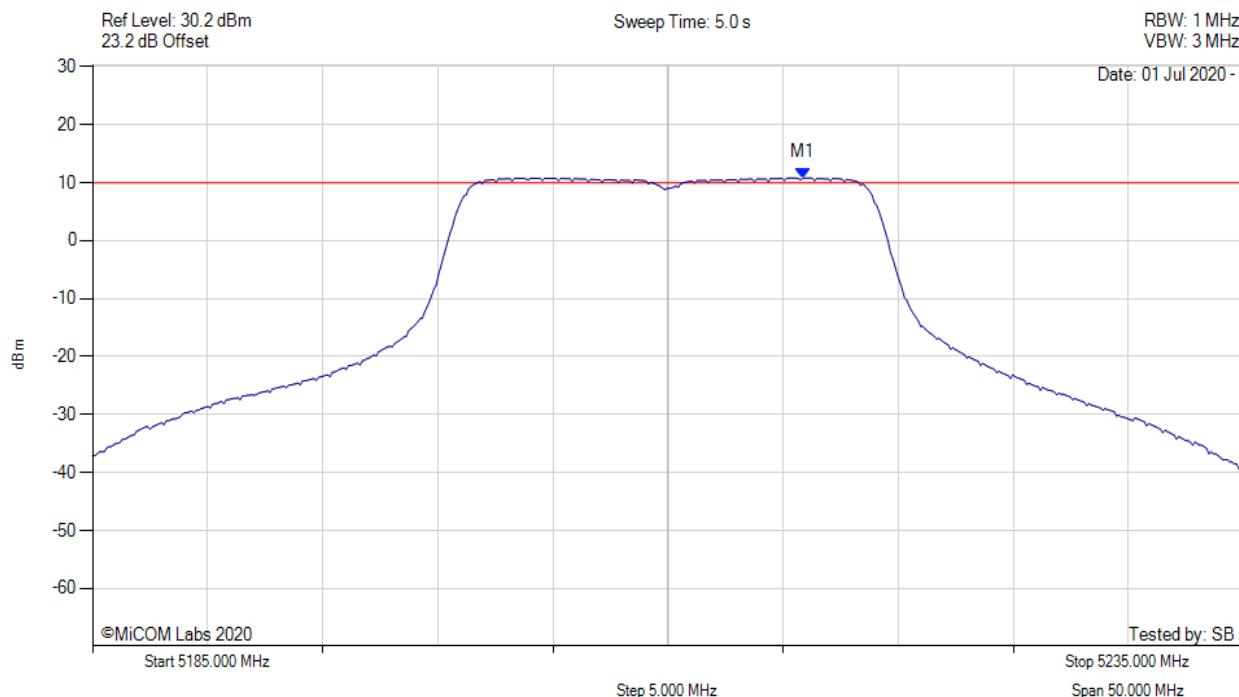
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5186.500 MHz : 8.884 dBm M1 + DCCF : 5186.500 MHz : 8.928 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -4.1 dB

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5210.00 MHz, Chain a, Temp: 20



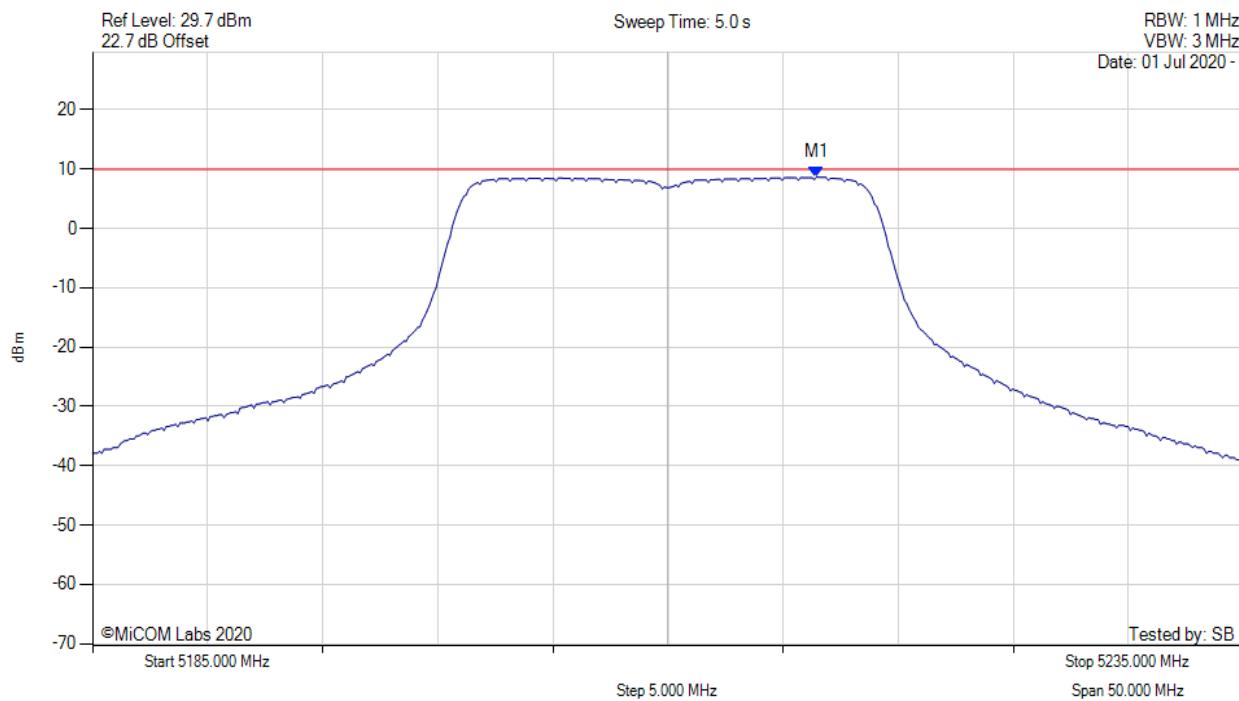
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5215.862 MHz : 10.819 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

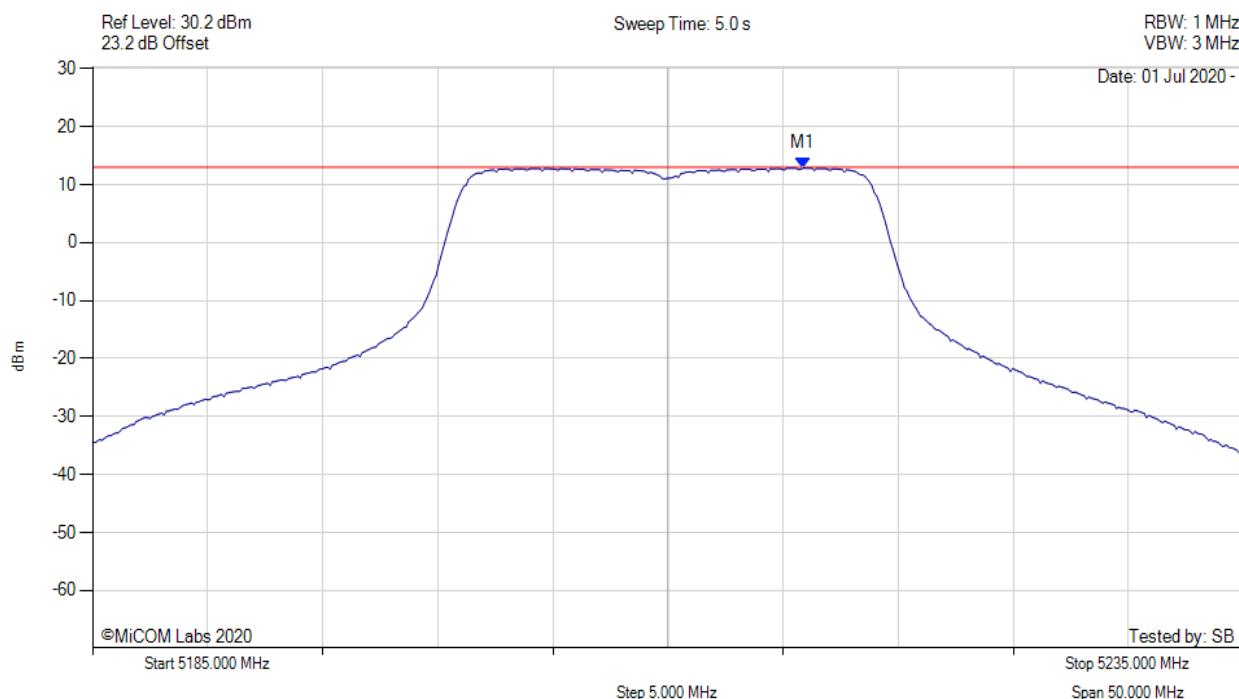


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5216.463 MHz : 8.669 dBm	Channel Frequency: 5210.00 MHz

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5210.00 MHz, SUM, Temp: 20

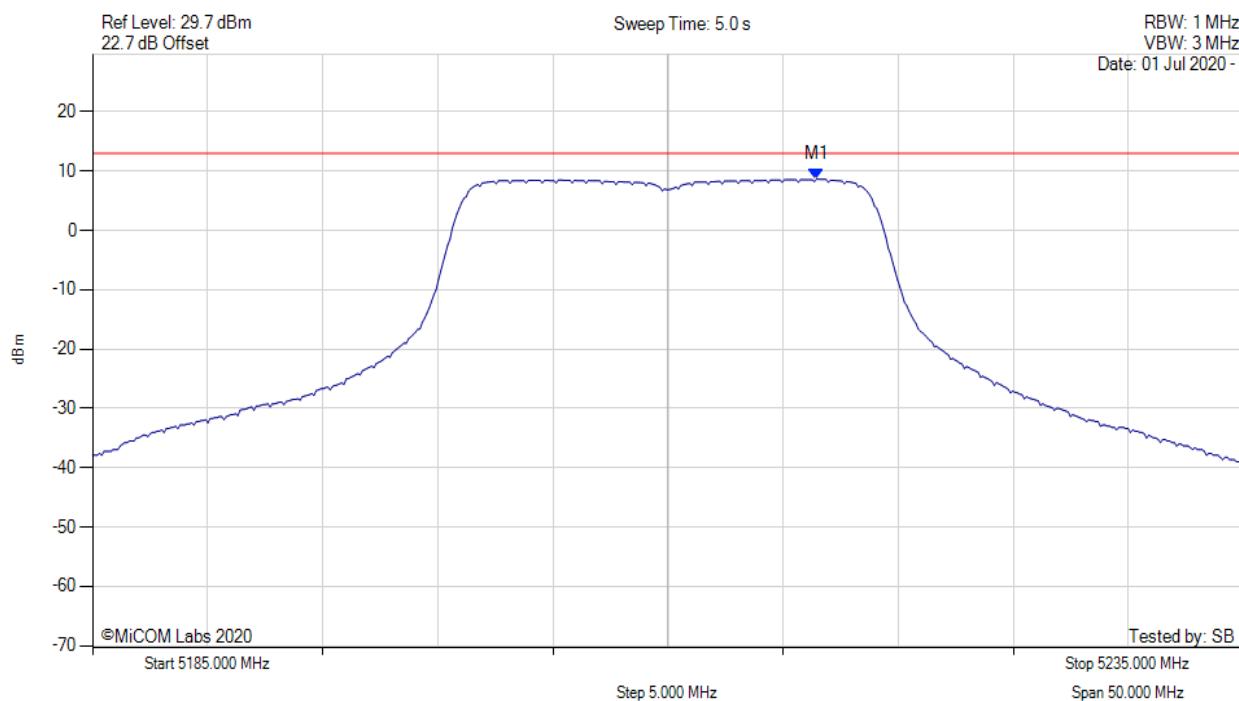


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5215.900 MHz : 12.846 dBm M1 + DCCF : 5215.900 MHz : 12.890 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -0.1 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5210.00 MHz, SUM, Temp: 20

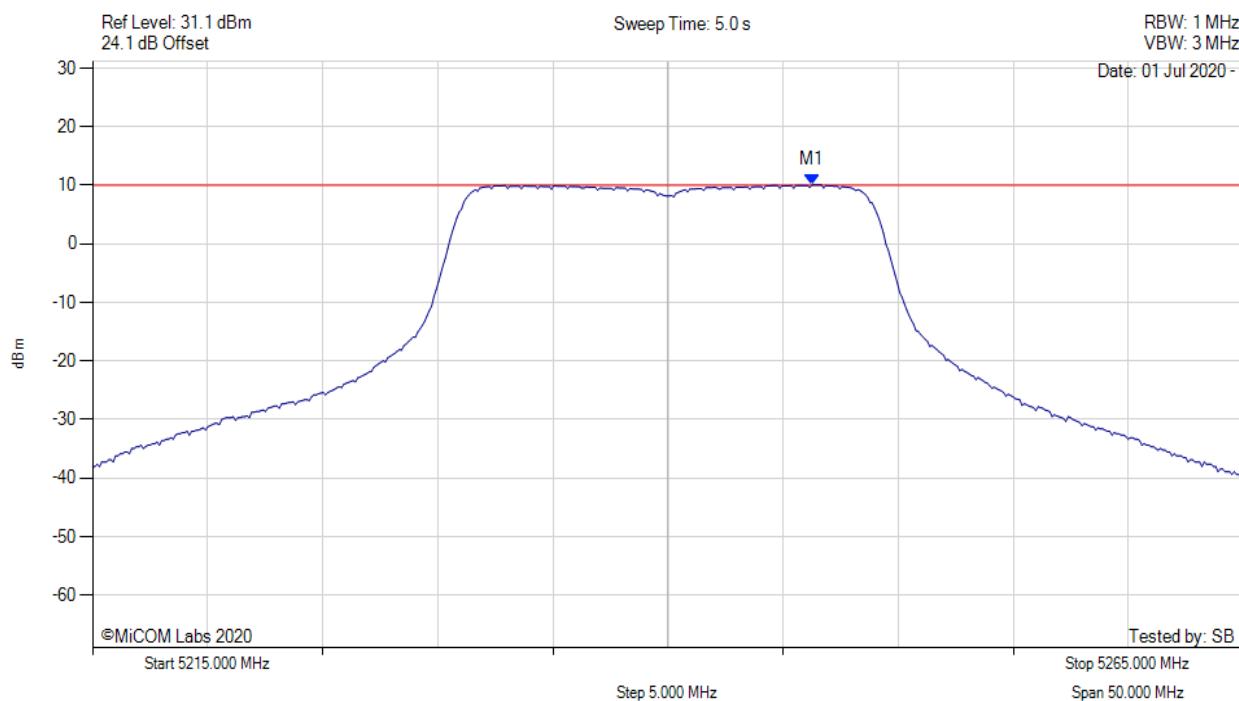


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5216.500 MHz : 8.669 dBm M1 + DCCF : 5216.500 MHz : 8.713 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -4.3 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5240.00 MHz, Chain a, Temp: 20

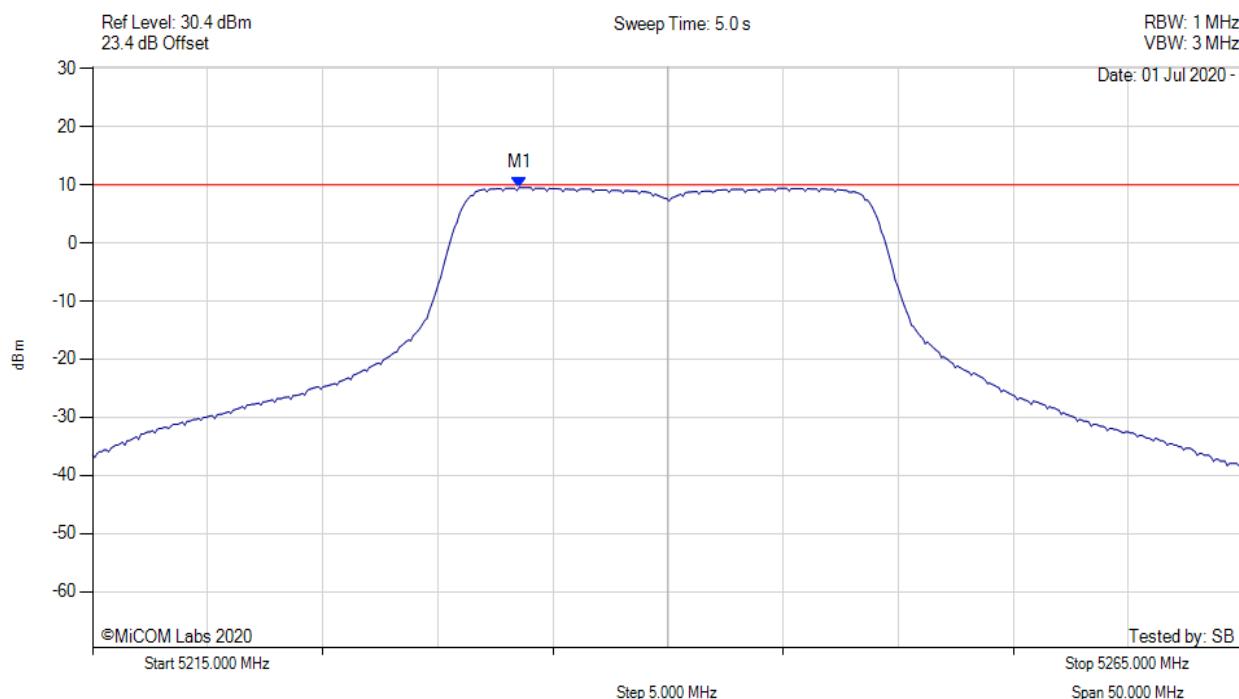


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.263 MHz : 10.079 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5240.00 MHz, Chain b, Temp: 20

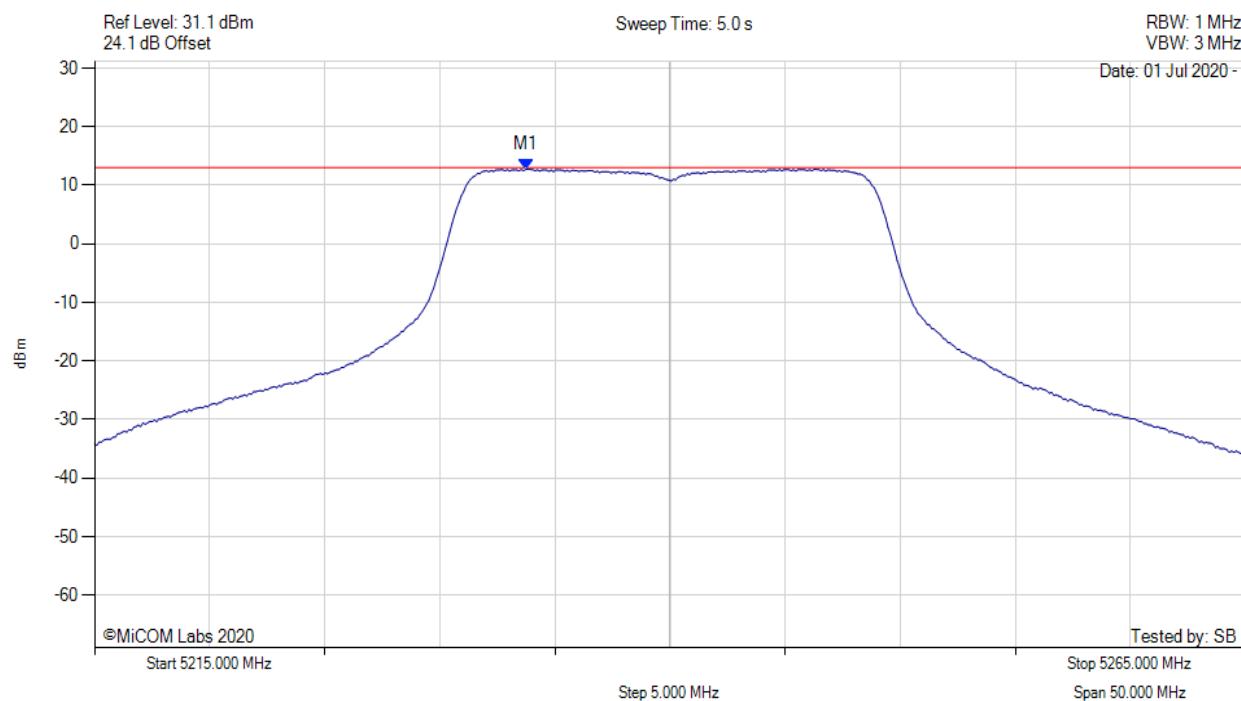


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5233.537 MHz : 9.555 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5240.00 MHz, SUM, Temp: 20

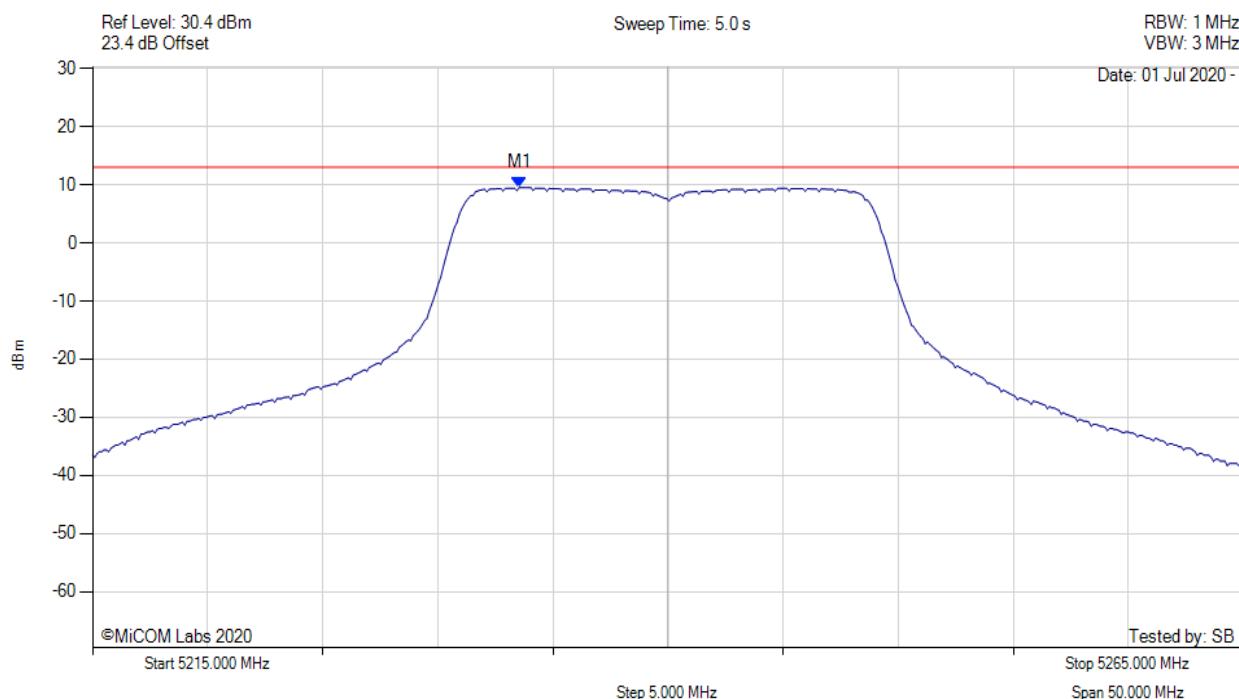


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5233.700 MHz : 12.726 dBm M1 + DCCF : 5233.700 MHz : 12.770 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -0.2 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5240.00 MHz, SUM, Temp: 20

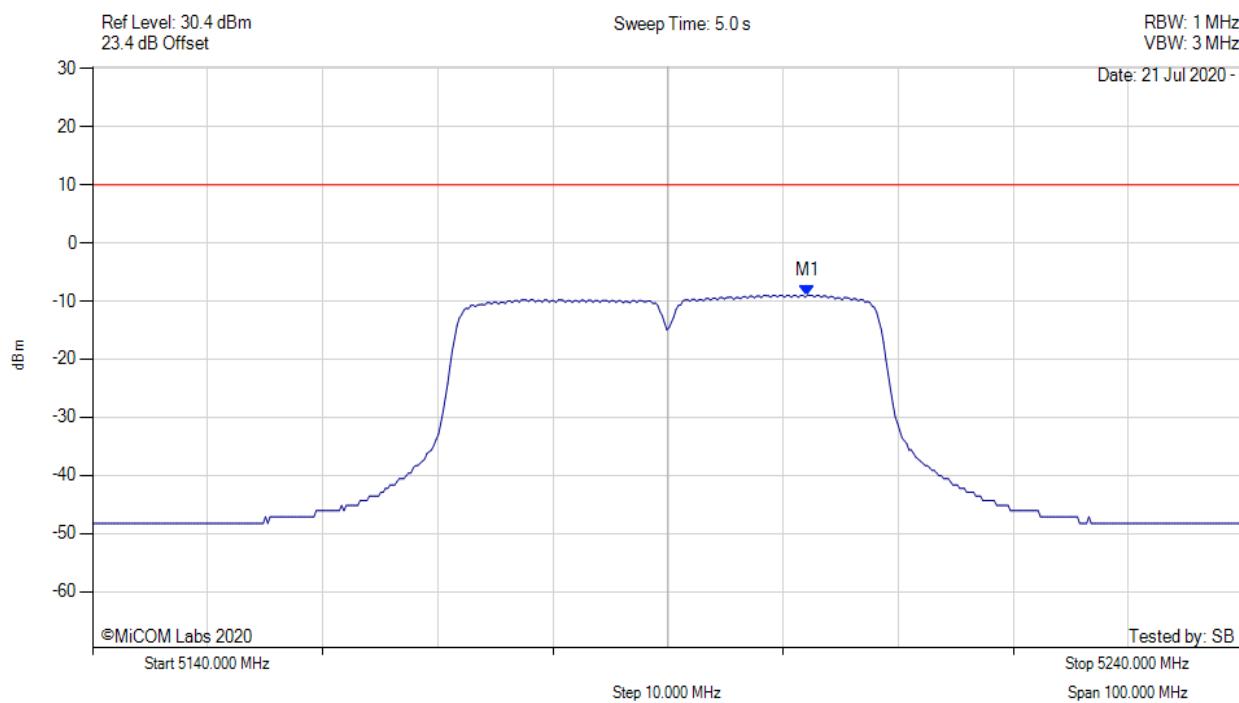


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5233.500 MHz : 9.555 dBm M1 + DCCF : 5233.500 MHz : 9.599 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -3.4 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5190.00 MHz, Chain a, Temp: 20

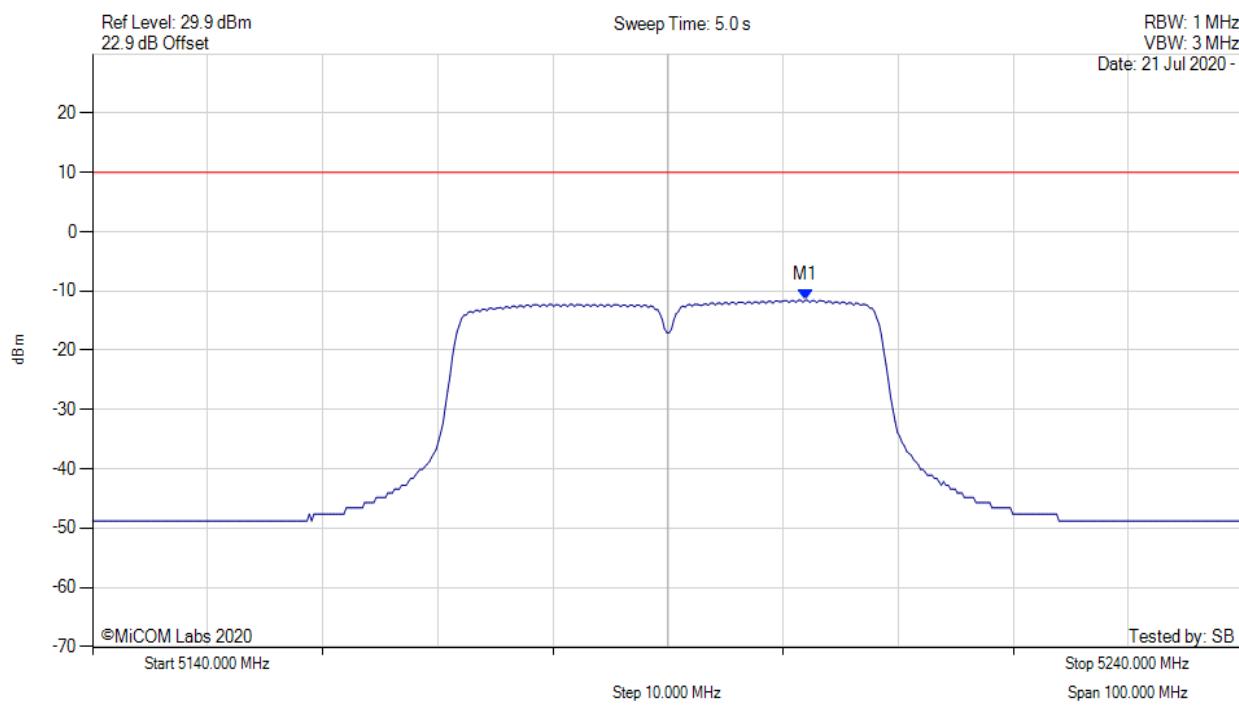


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.124 MHz : -8.974 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5190.00 MHz, Chain b, Temp: 20

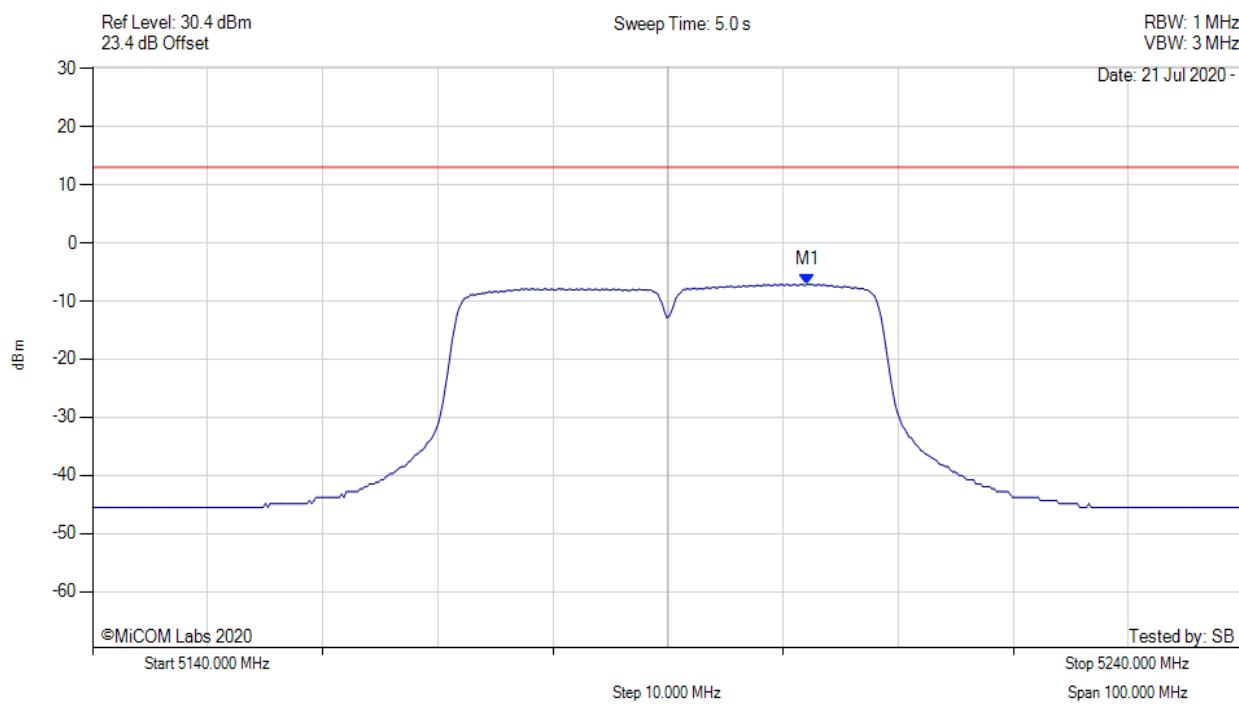


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5201.924 MHz : -11.565 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5190.00 MHz, SUM, Temp: 20

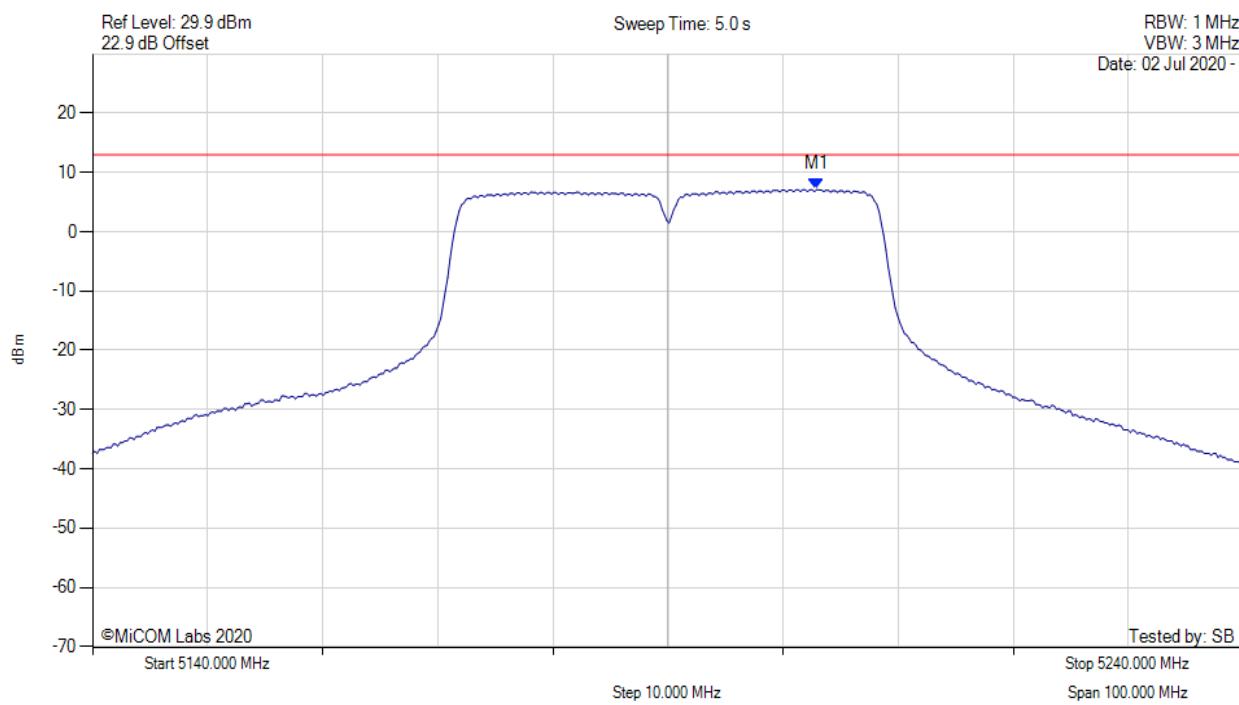


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.100 MHz : -7.075 dBm M1 + DCCF : 5202.100 MHz : -7.031 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -20.0 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5190.00 MHz, SUM, Temp: 20

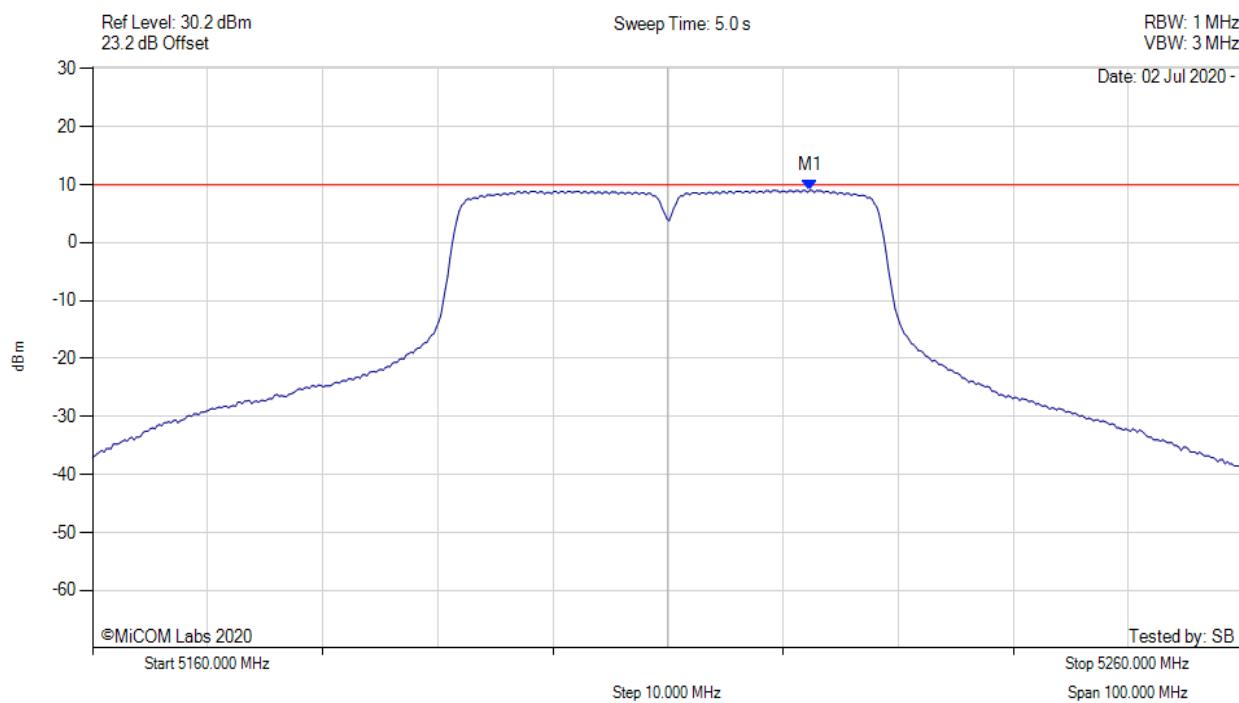


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.900 MHz : 7.108 dBm M1 + DCCF : 5202.900 MHz : 7.152 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -5.9 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5210.00 MHz, Chain a, Temp: 20



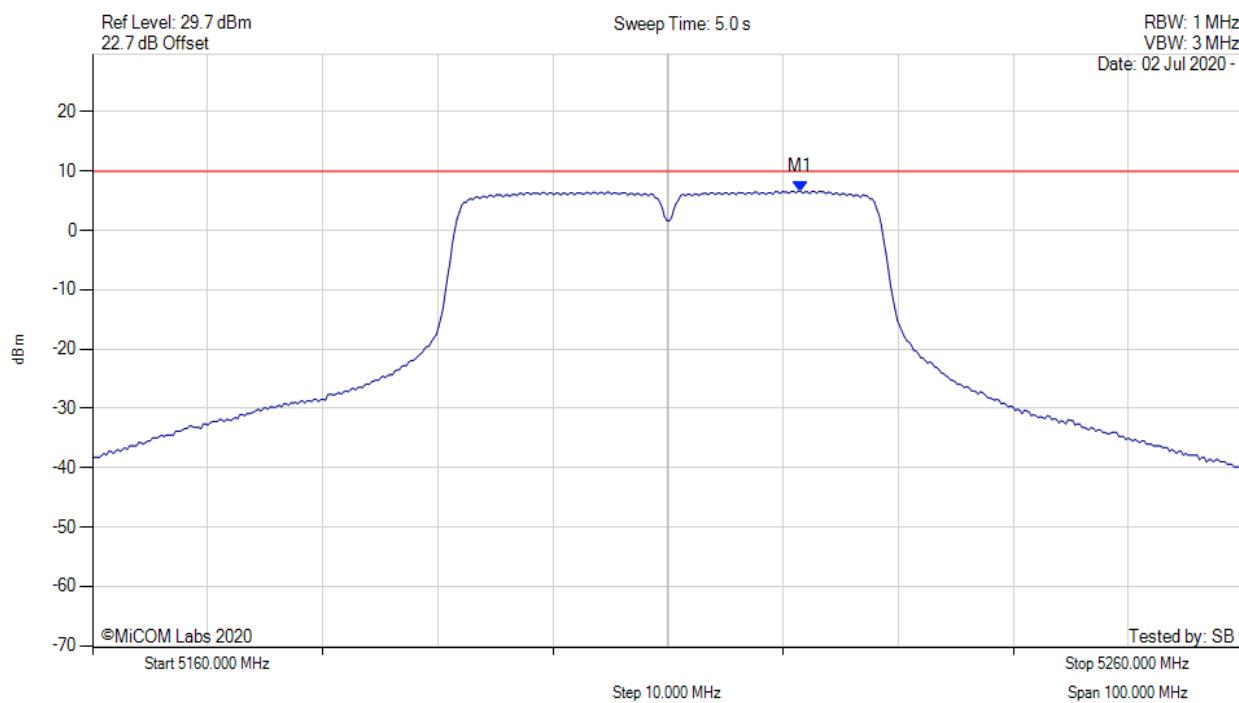
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5222.325 MHz : 9.015 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

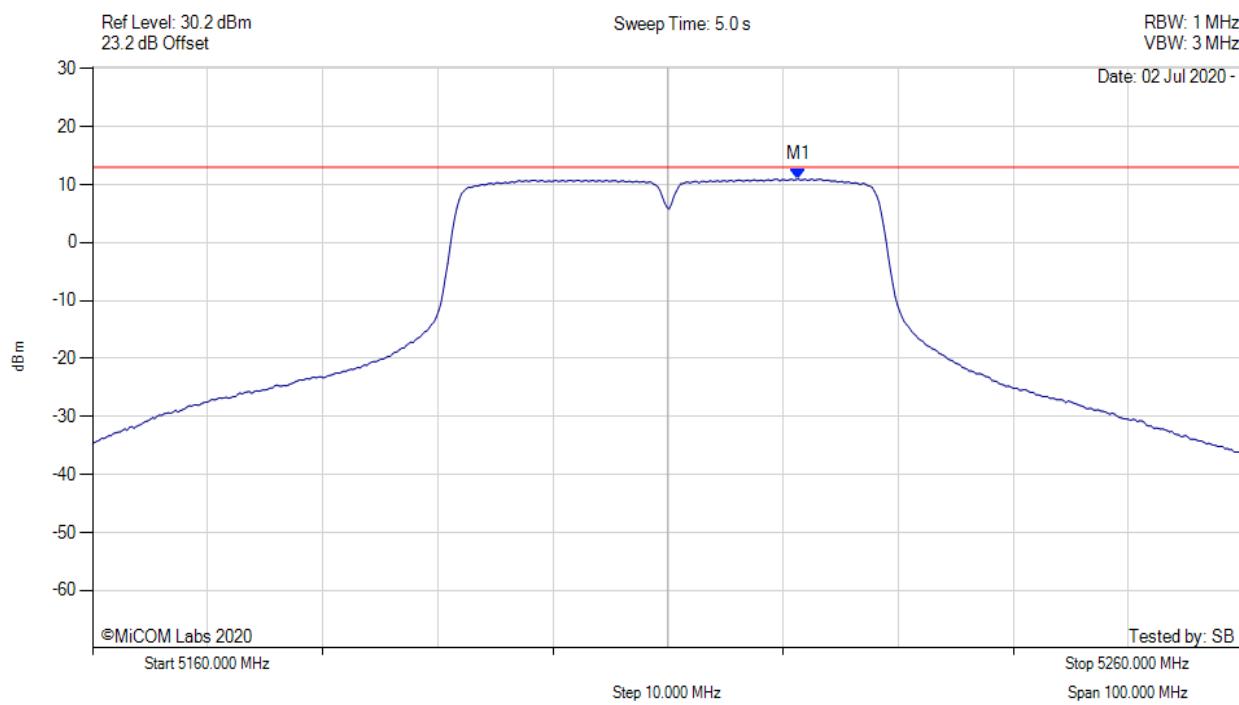


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5221.523 MHz : 6.635 dBm	Channel Frequency: 5210.00 MHz

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5210.00 MHz, SUM, Temp: 20

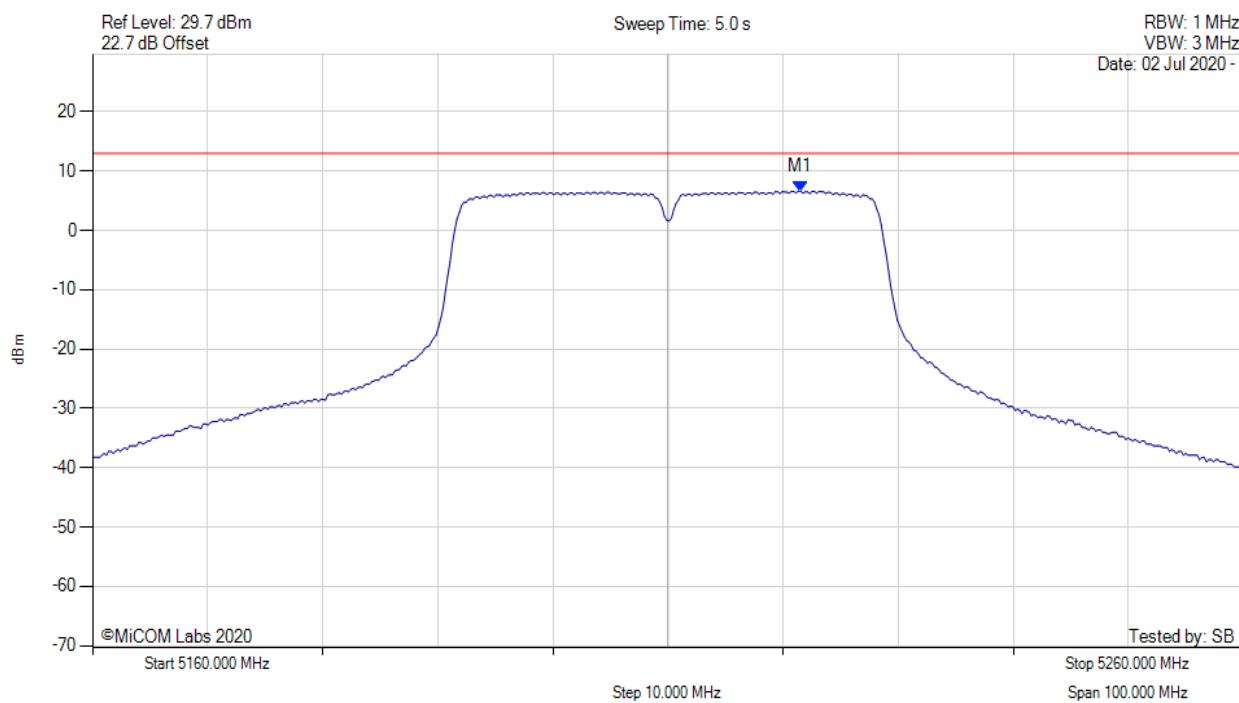


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5221.300 MHz : 10.966 dBm M1 + DCCF : 5221.300 MHz : 11.010 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -2.0 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5210.00 MHz, SUM, Temp: 20

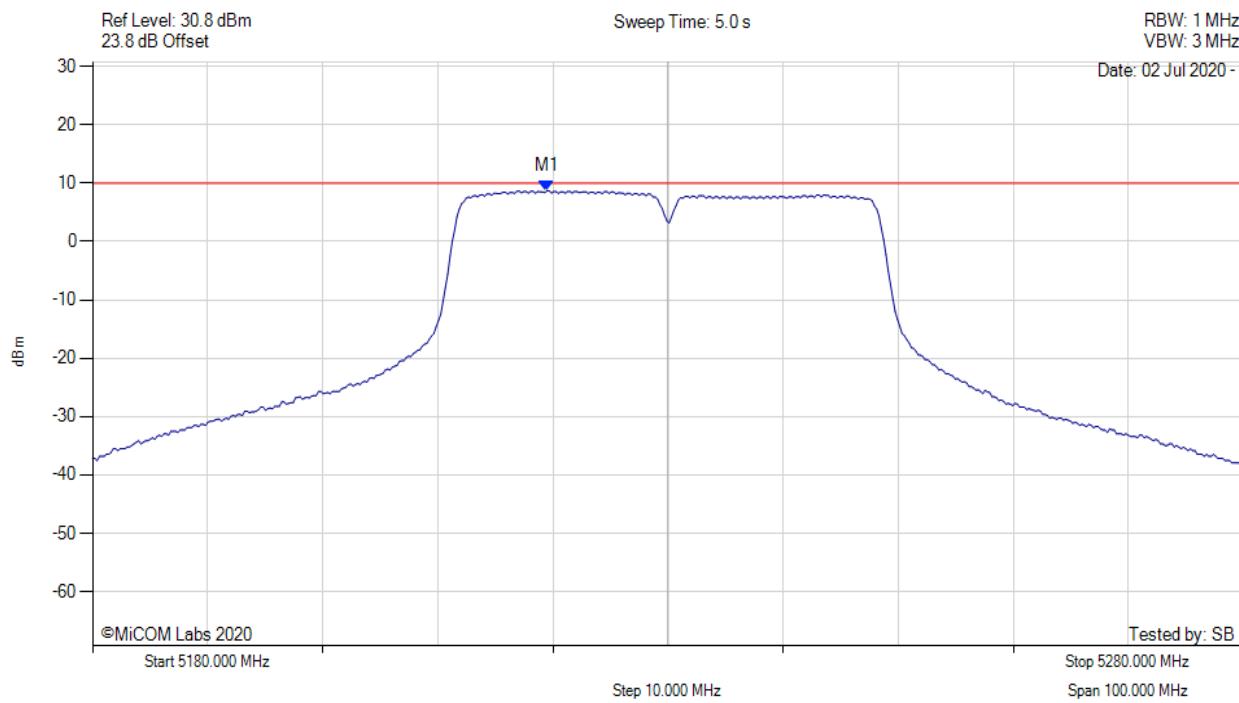


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5221.500 MHz : 6.635 dBm M1 + DCCF : 5221.500 MHz : 6.679 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -6.3 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5230.00 MHz, Chain a, Temp: 20



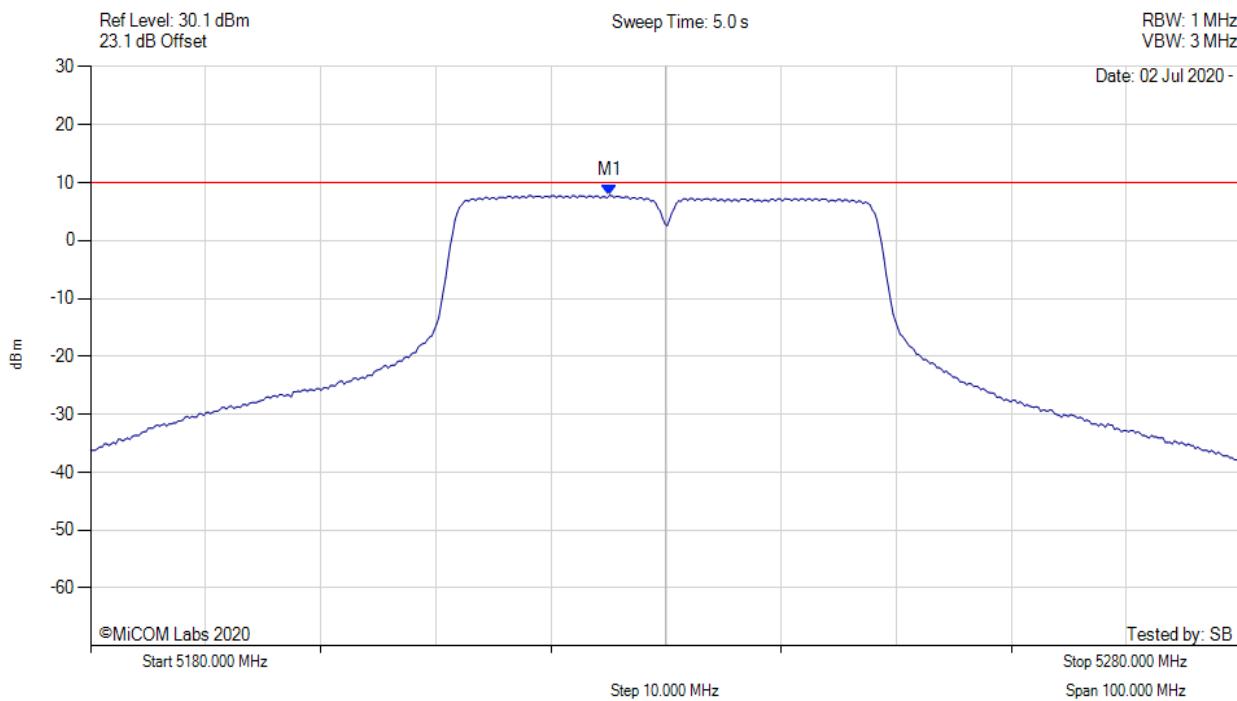
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5219.479 MHz : 8.651 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5230.00 MHz, Chain b, Temp: 20

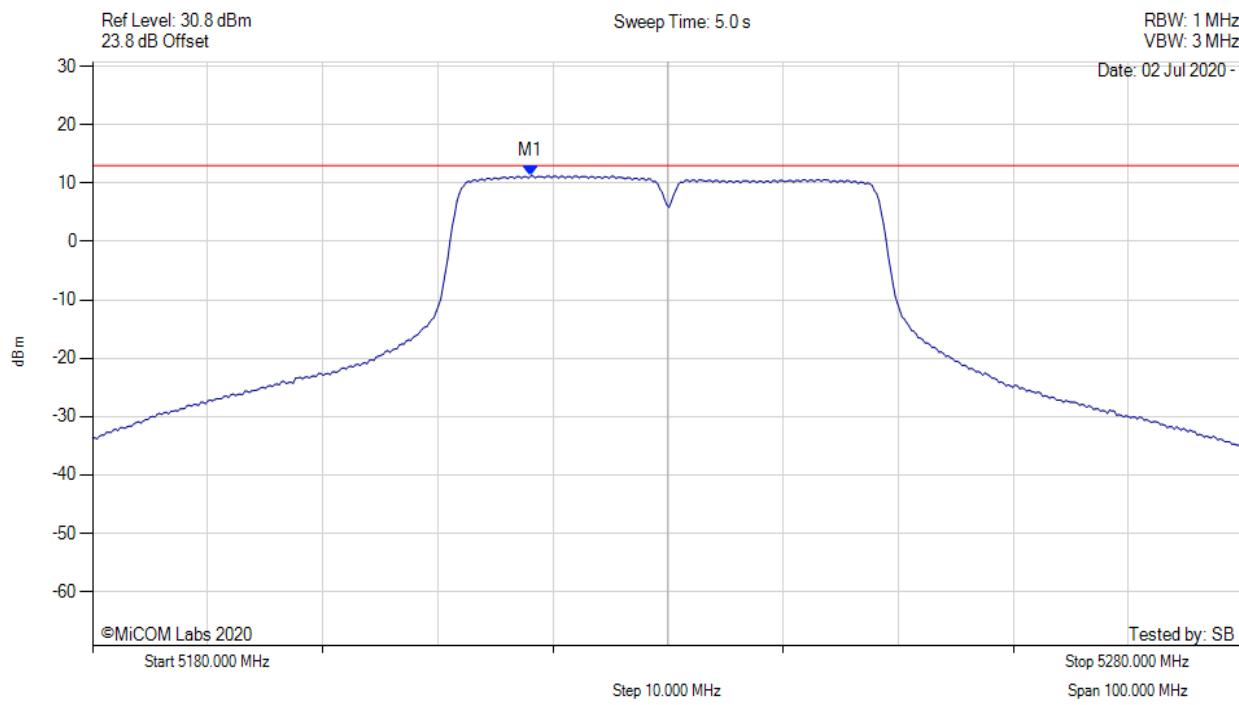


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5225.090 MHz : 7.790 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5230.00 MHz, SUM, Temp: 20

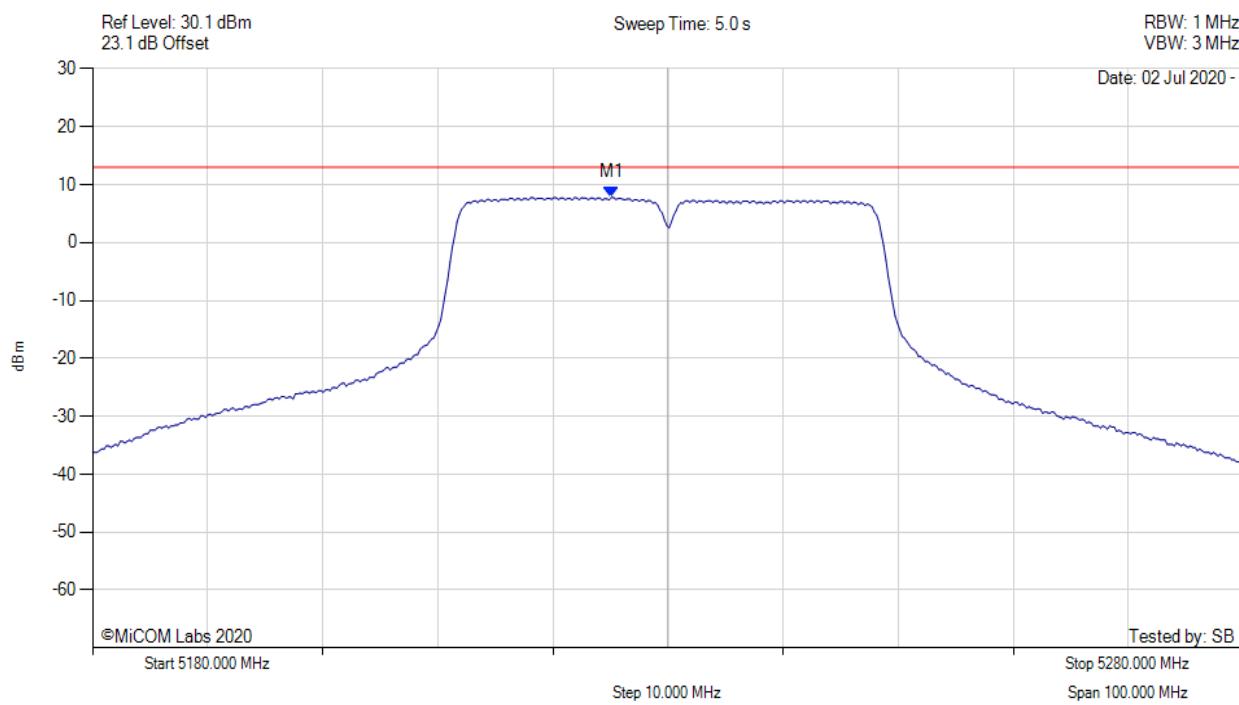


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5218.100 MHz : 11.206 dBm M1 + DCCF : 5218.100 MHz : 11.250 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -1.8 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5230.00 MHz, SUM, Temp: 20

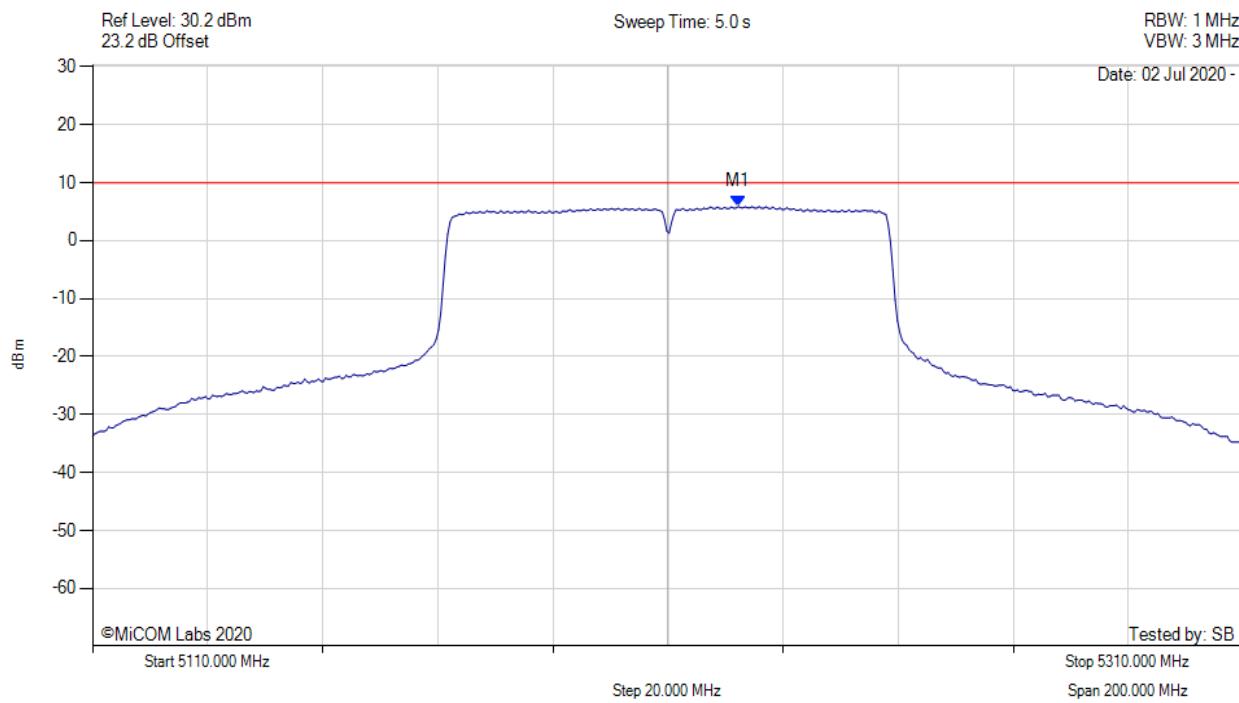


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5225.100 MHz : 7.790 dBm M1 + DCCF : 5225.100 MHz : 7.834 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -5.2 dB

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5210.00 MHz, Chain a, Temp: 20

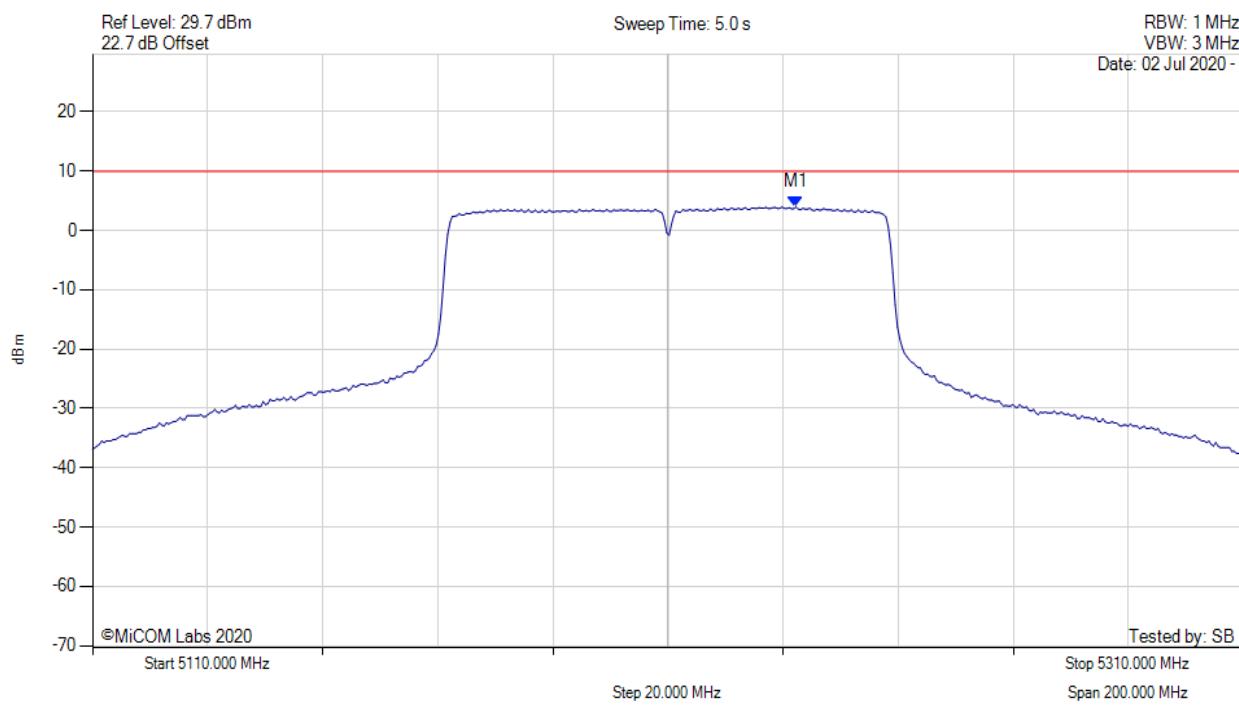


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5222.224 MHz : 5.902 dBm	Limit: ≤ 9.990 dBm

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

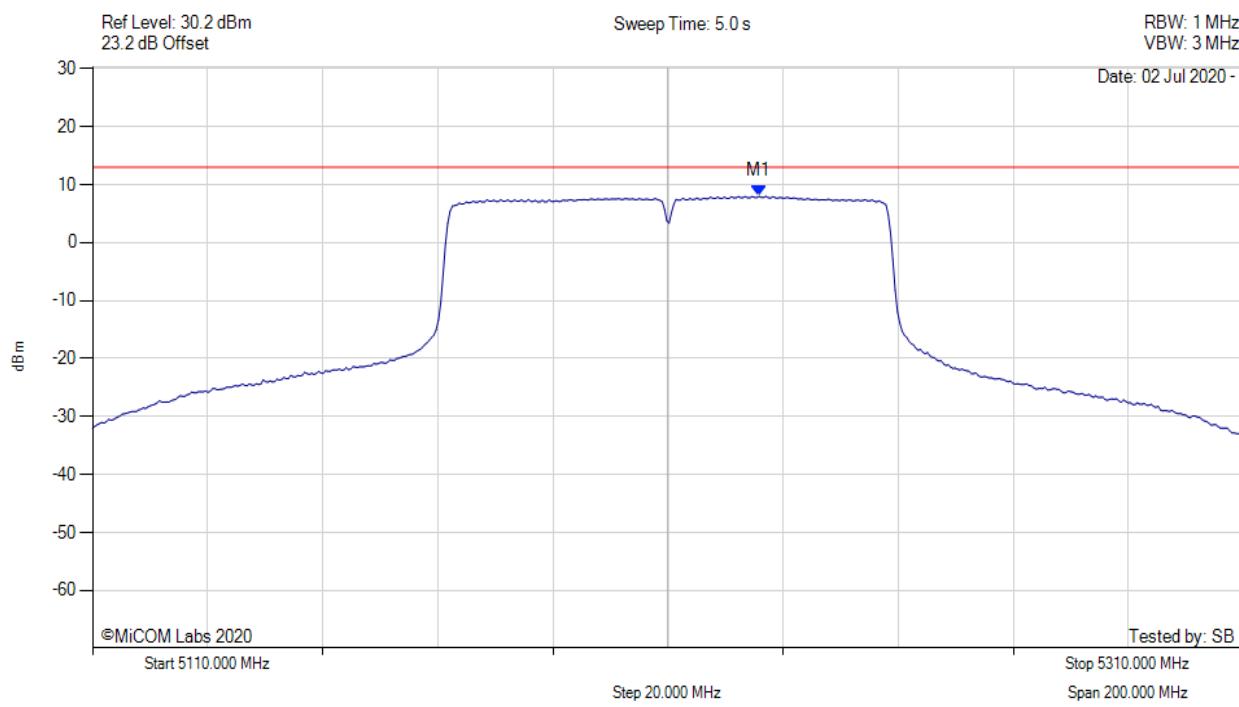


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5232.244 MHz : 3.959 dBm	Channel Frequency: 5210.00 MHz

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5210.00 MHz, SUM, Temp: 20

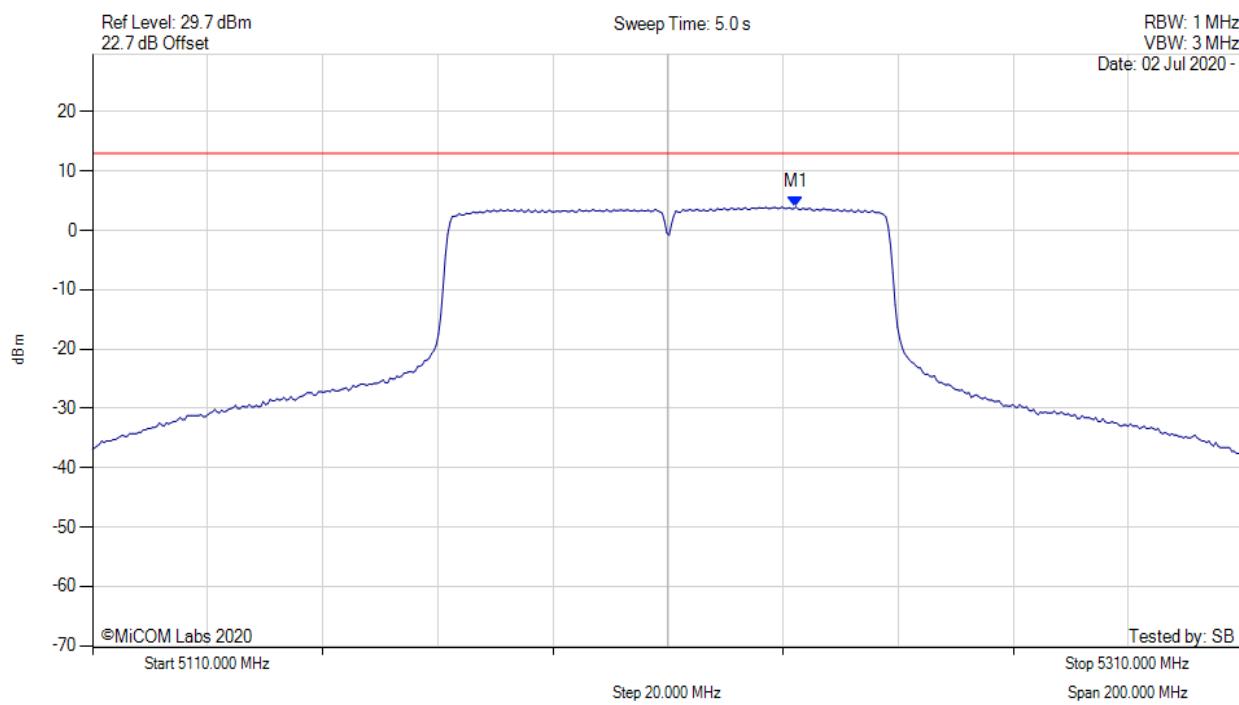


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5225.800 MHz : 7.999 dBm M1 + DCCF : 5225.800 MHz : 8.043 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -5.0 dB

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5210.00 MHz, SUM, Temp: 20



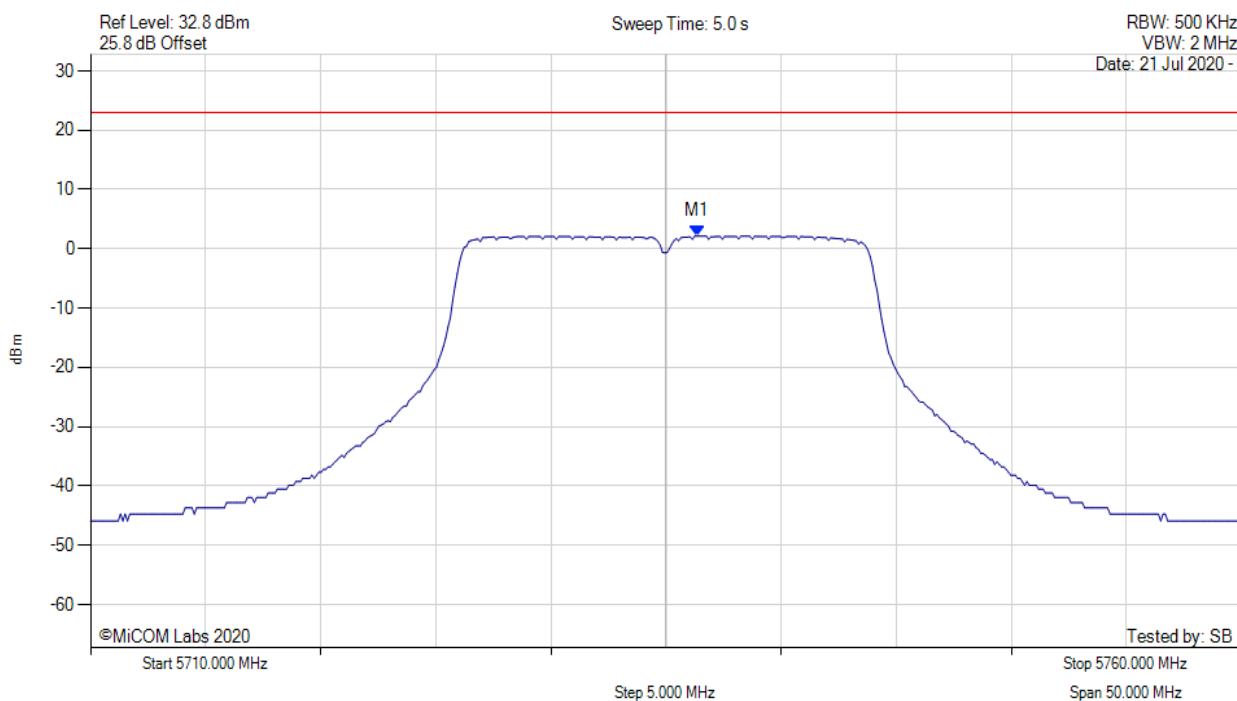
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5232.200 MHz : 3.959 dBm M1 + DCCF : 5232.200 MHz : 4.003 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 13.0 dBm Margin: -9.0 dB

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5735.00 MHz, Chain a, Temp: 20



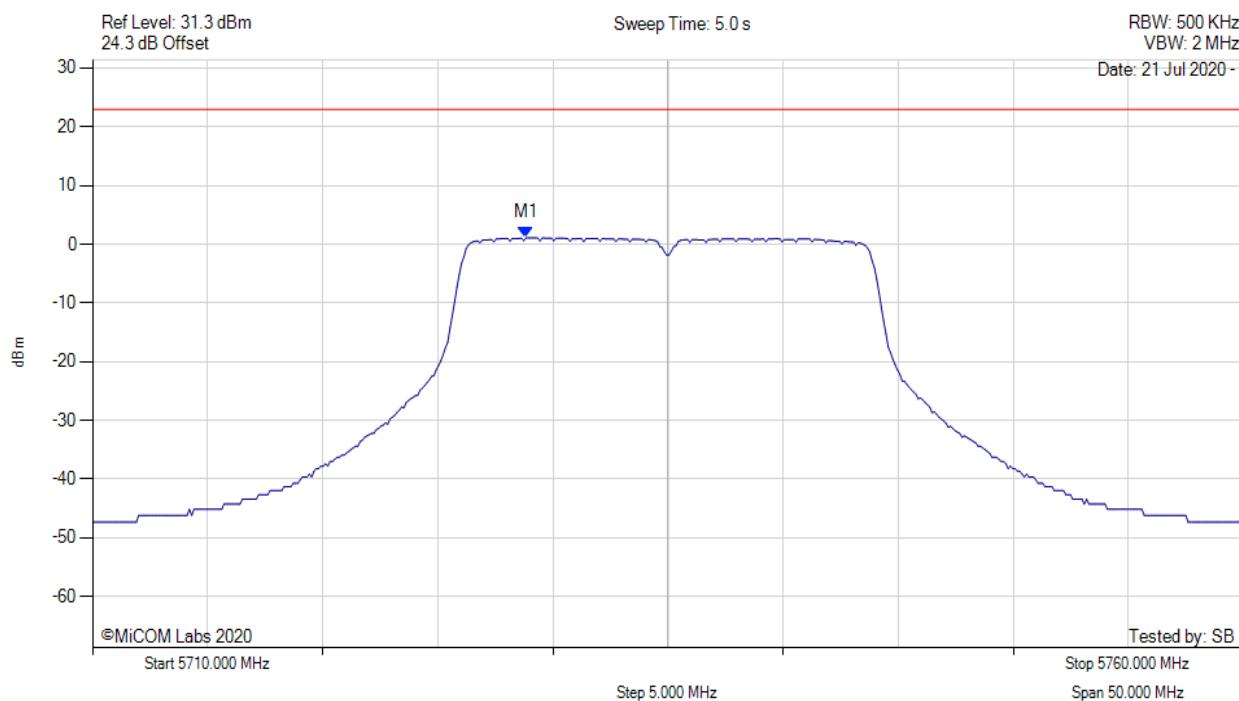
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5736.353 MHz : 2.179 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5735.00 MHz, Chain b, Temp: 20

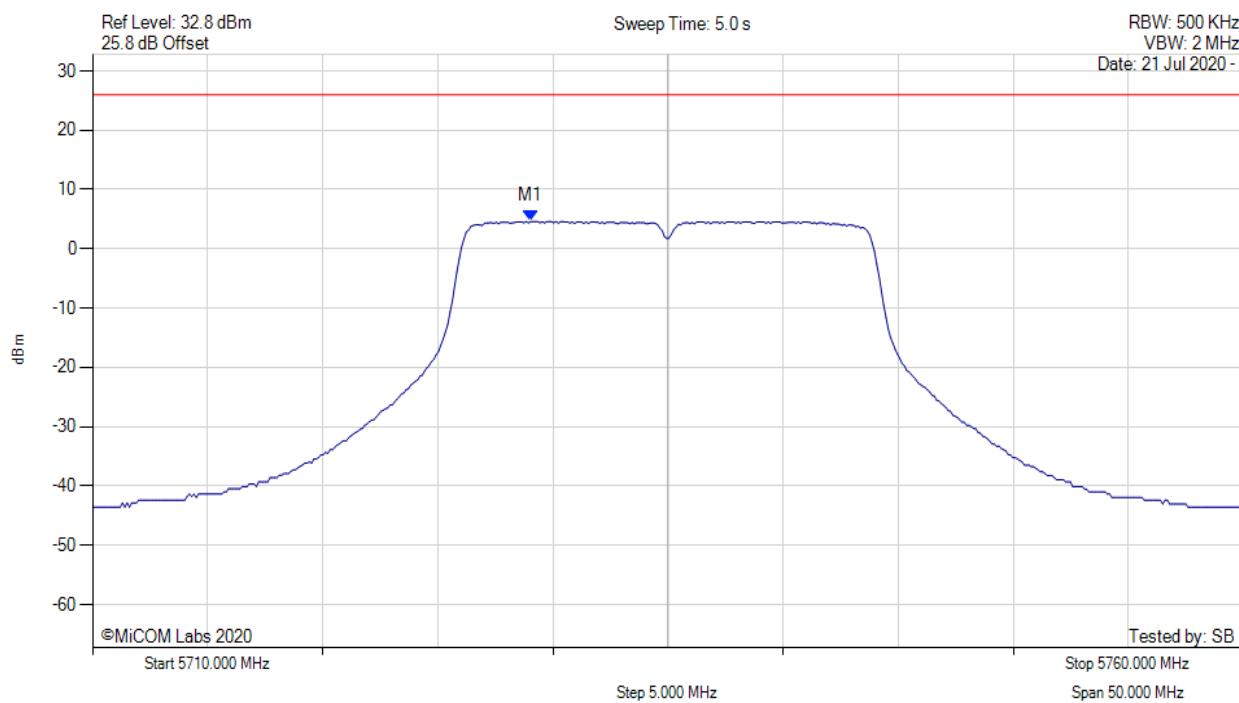


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5728.838 MHz : 1.083 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5735.00 MHz, SUM, Temp: 20

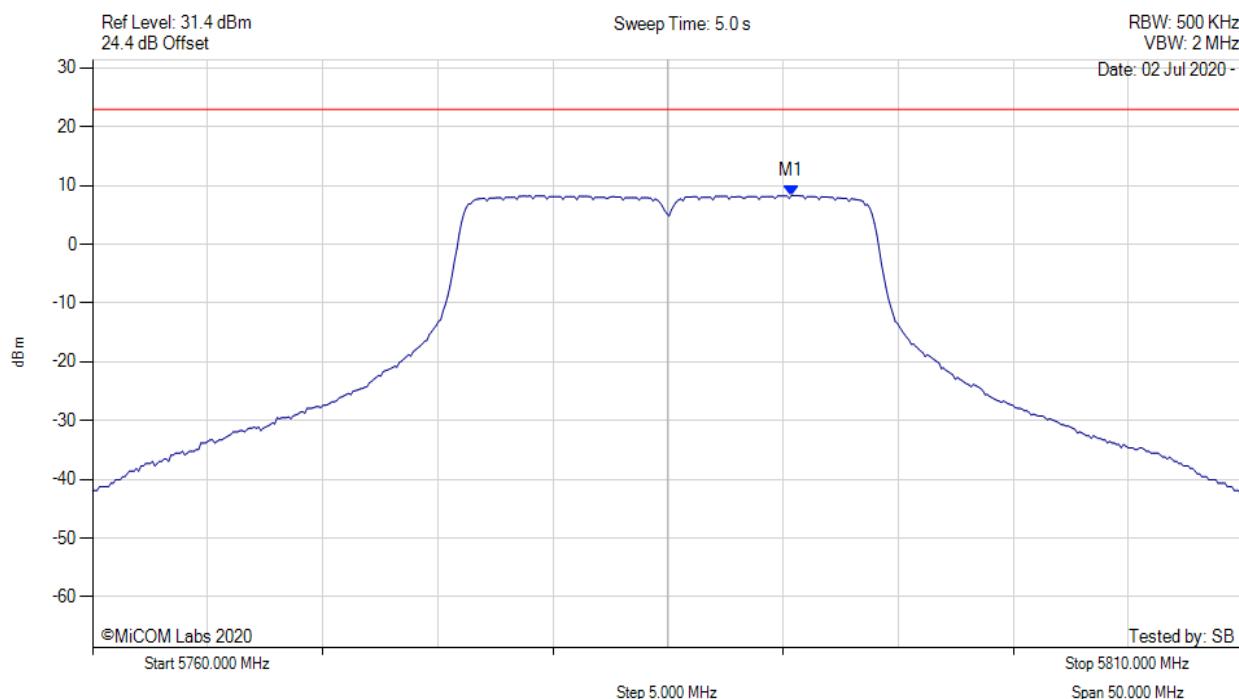


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5729.000 MHz : 4.625 dBm M1 + DCCF : 5729.000 MHz : 4.669 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -21.3 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

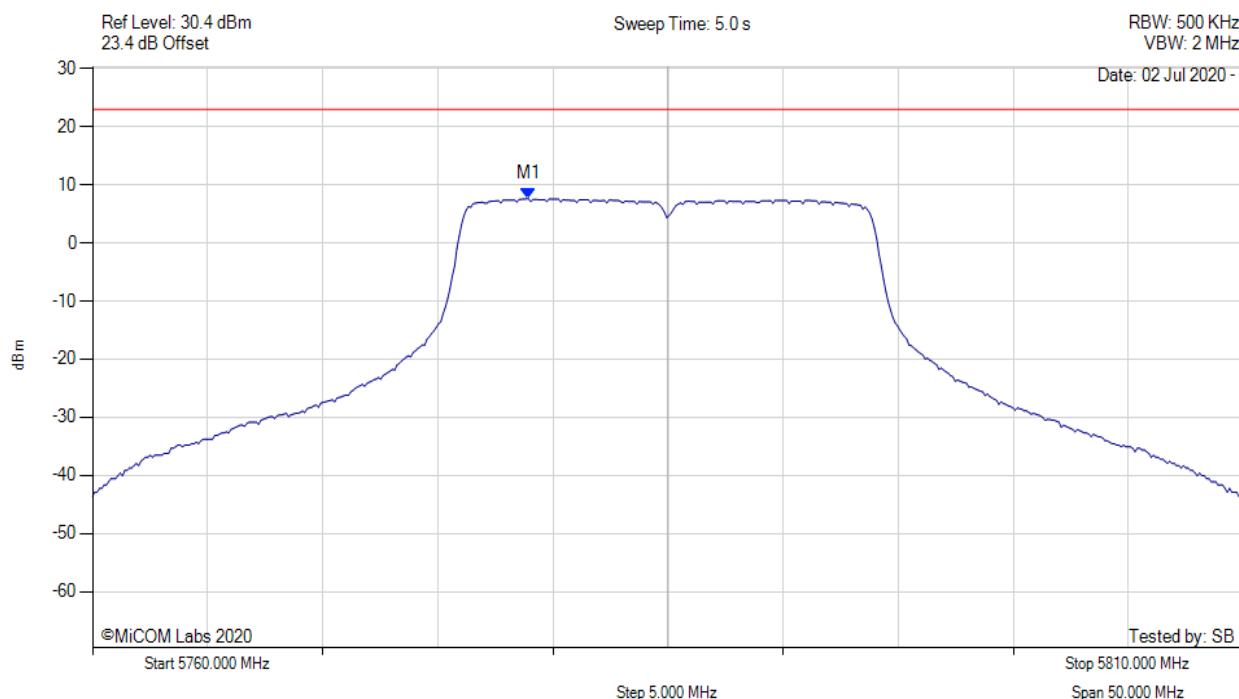


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5790.361 MHz : 8.279 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

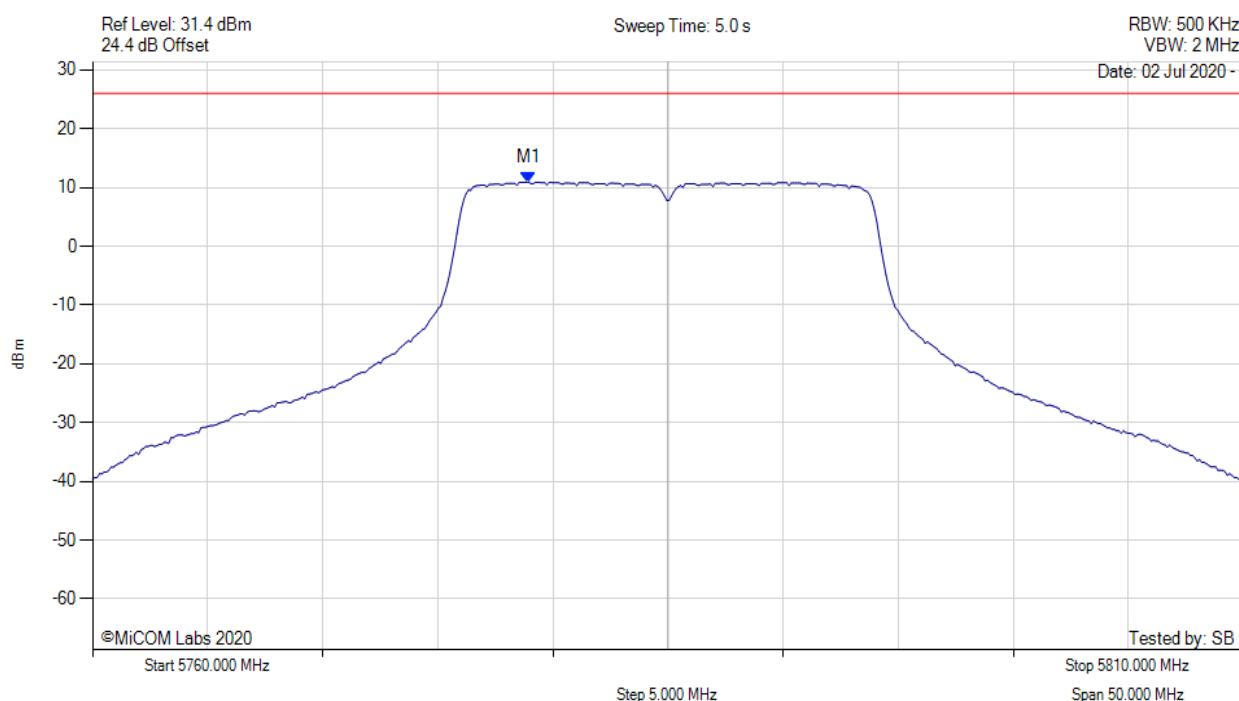


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5778.938 MHz : 7.612 dBm	Channel Frequency: 5785.00 MHz

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, SUM, Temp: 20

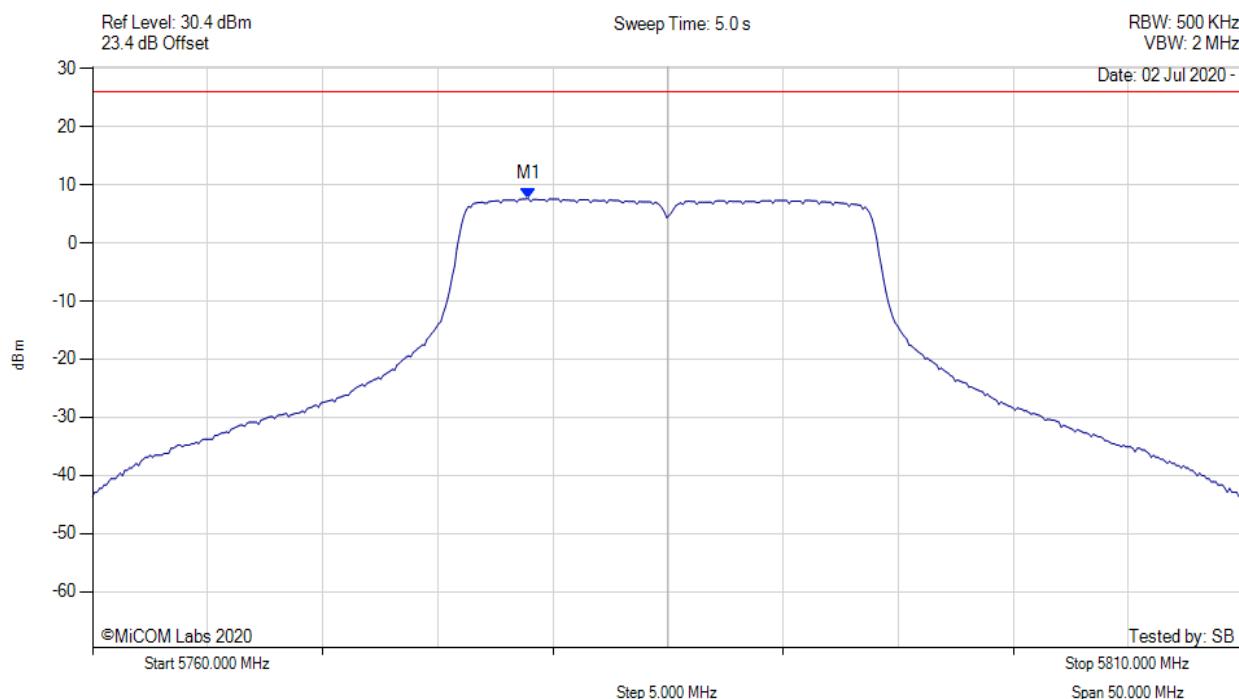


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5778.900 MHz : 10.923 dBm M1 + DCCF : 5778.900 MHz : 10.967 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -15.0 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, SUM, Temp: 20



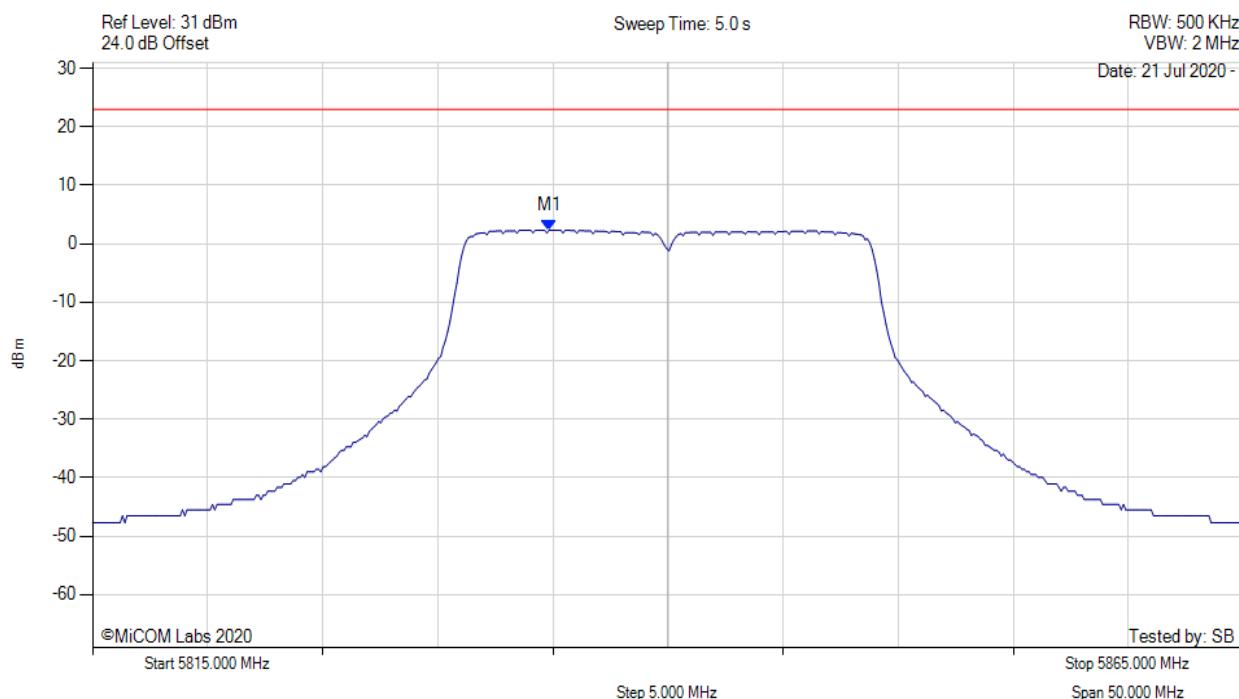
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5778.900 MHz : 7.612 dBm M1 + DCCF : 5778.900 MHz : 7.656 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -18.4 dB

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5840.00 MHz, Chain a, Temp: 20

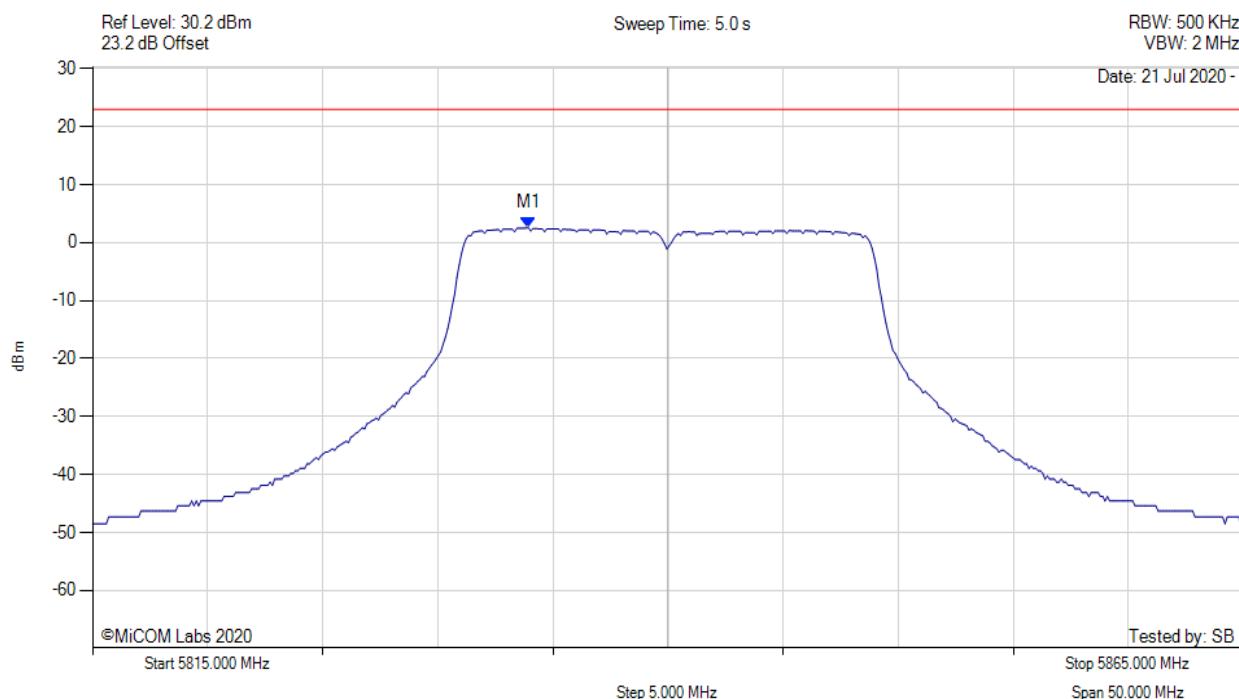


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5834.840 MHz : 2.326 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5840.00 MHz, Chain b, Temp: 20

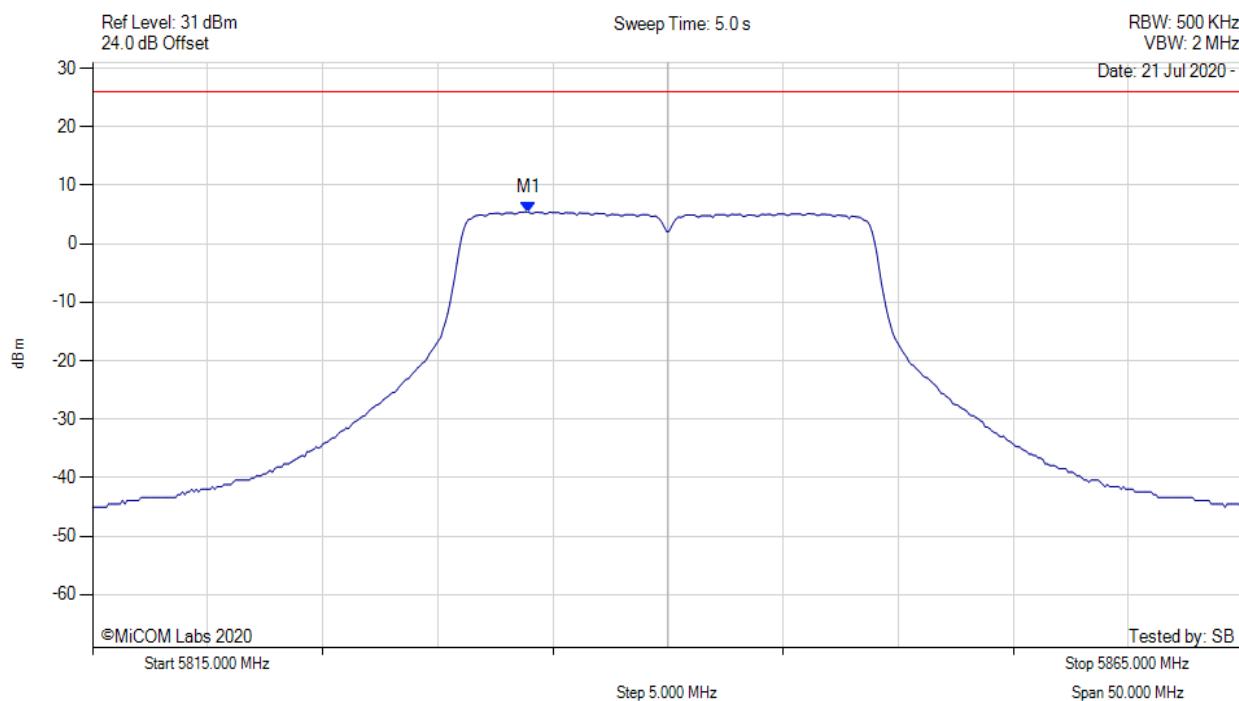


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5833.938 MHz : 2.548 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5840.00 MHz, SUM, Temp: 20



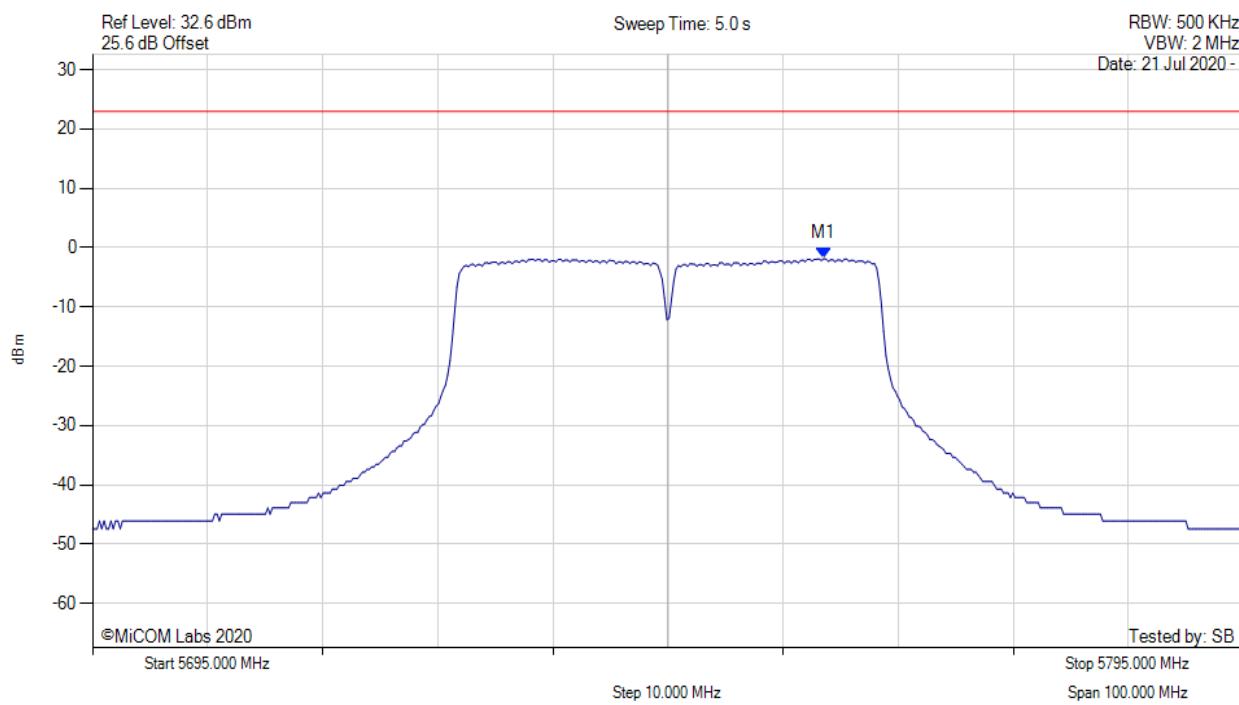
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5833.900 MHz : 5.430 dBm M1 + DCCF : 5833.900 MHz : 5.474 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -20.5 dB

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5745.00 MHz, Chain a, Temp: 20



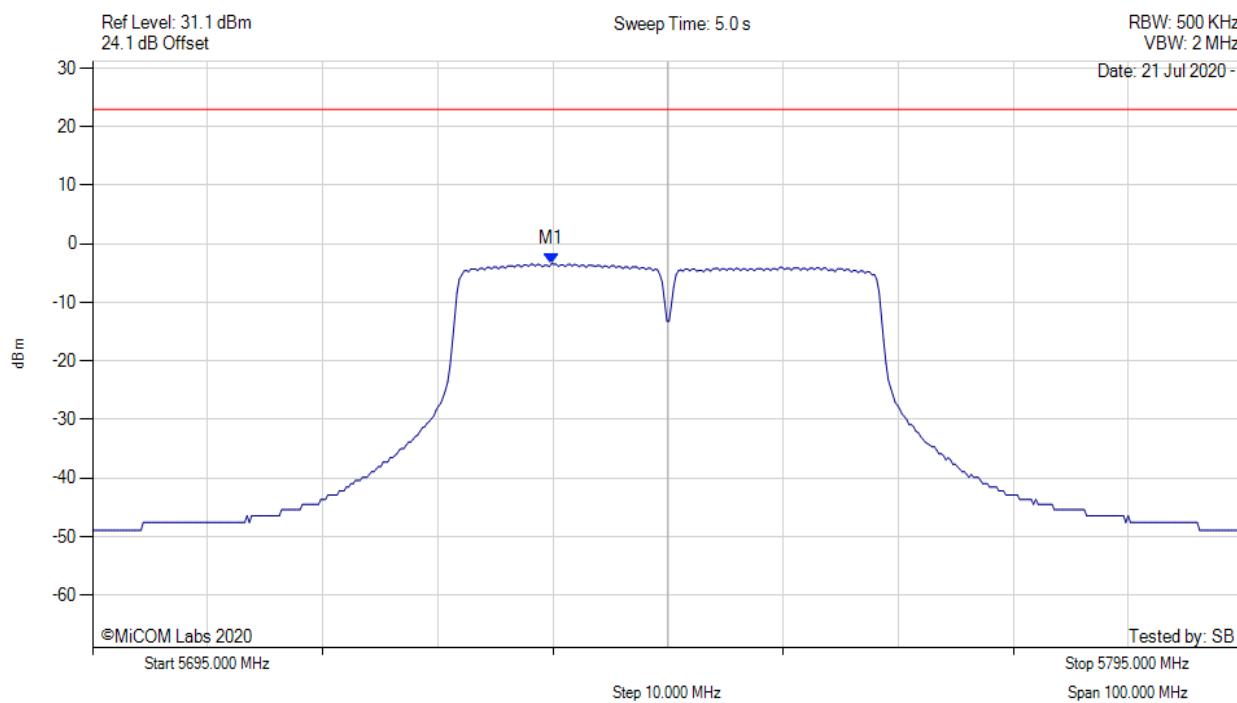
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5758.527 MHz : -1.858 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5745.00 MHz, Chain b, Temp: 20

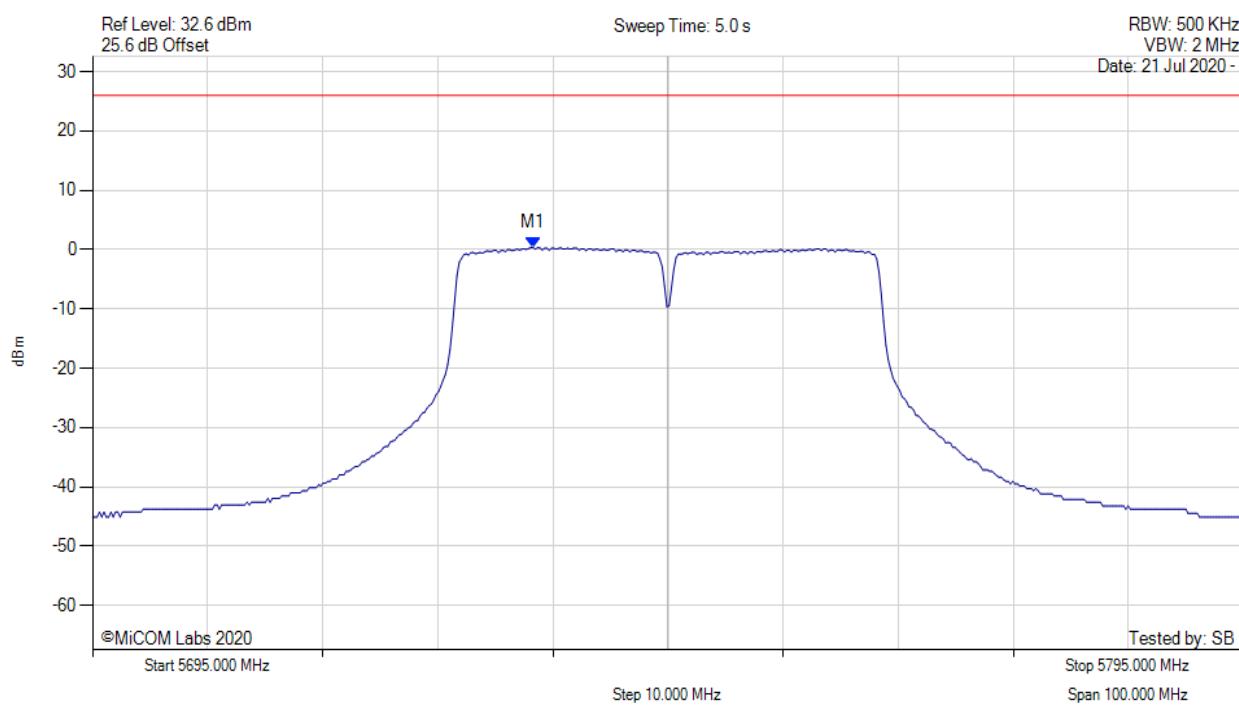


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5734.880 MHz : -3.381 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5745.00 MHz, SUM, Temp: 20

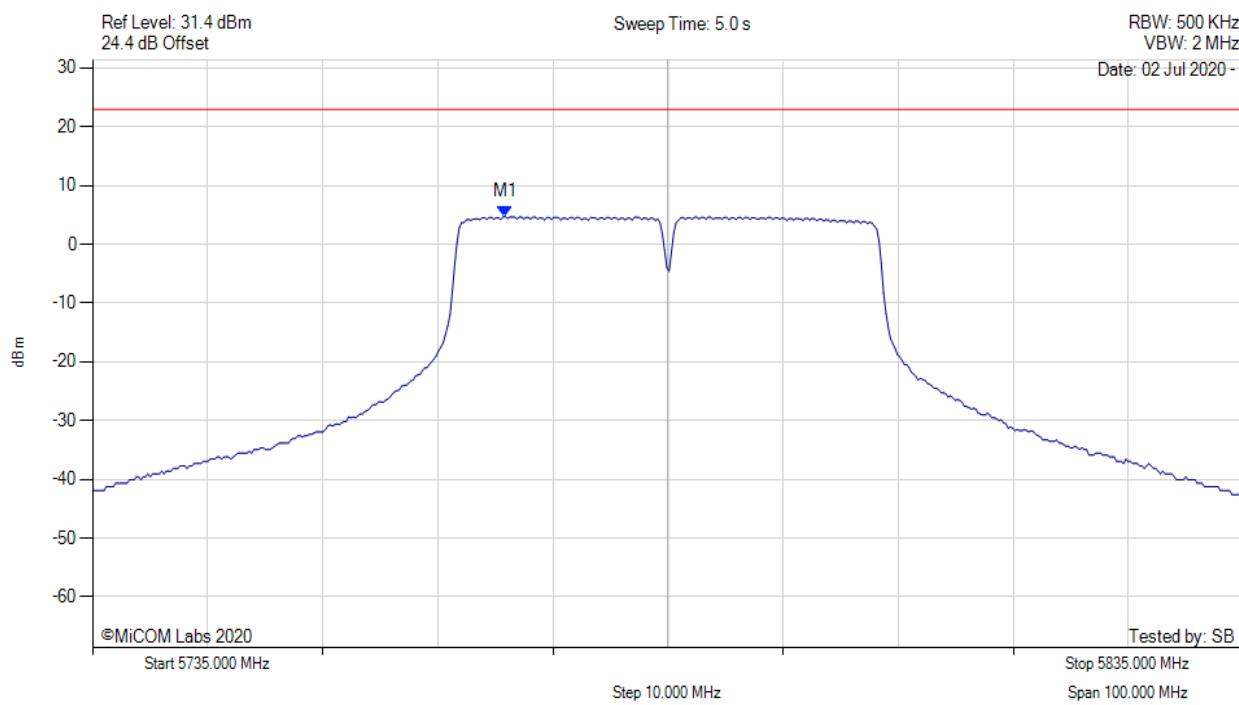


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5733.300 MHz : 0.360 dBm M1 + DCCF : 5733.300 MHz : 0.404 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -25.6 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

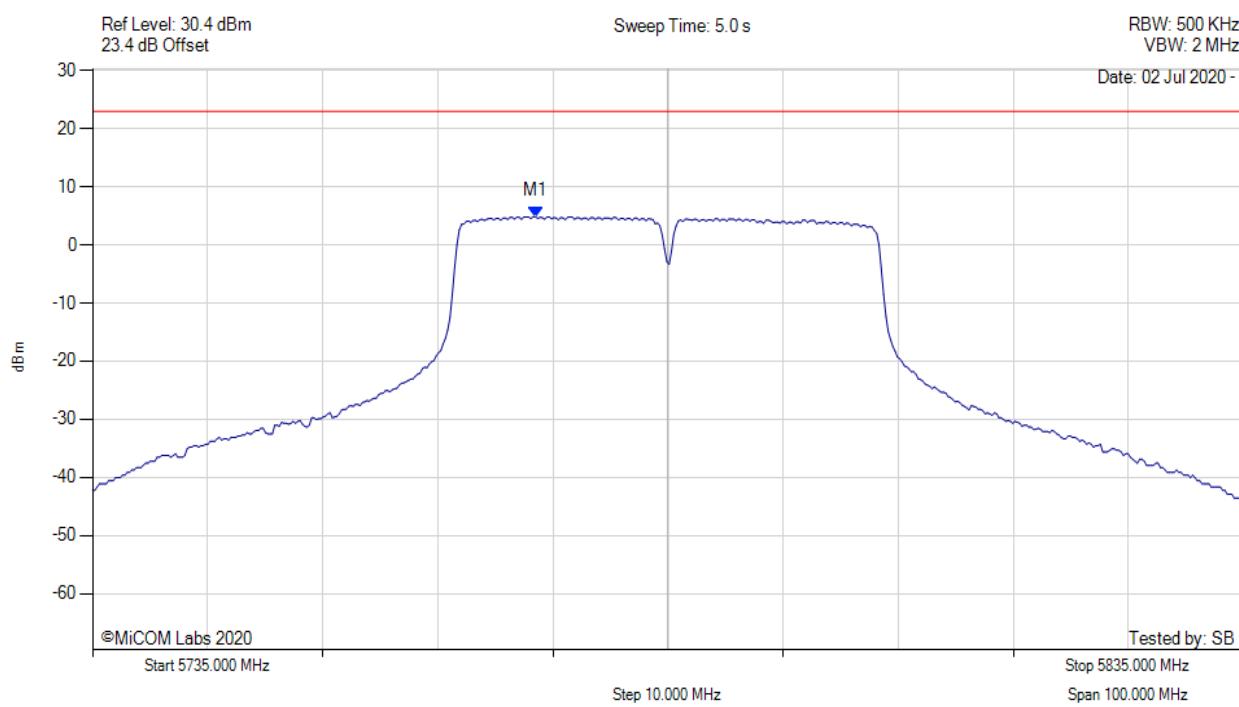


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5770.872 MHz : 4.697 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

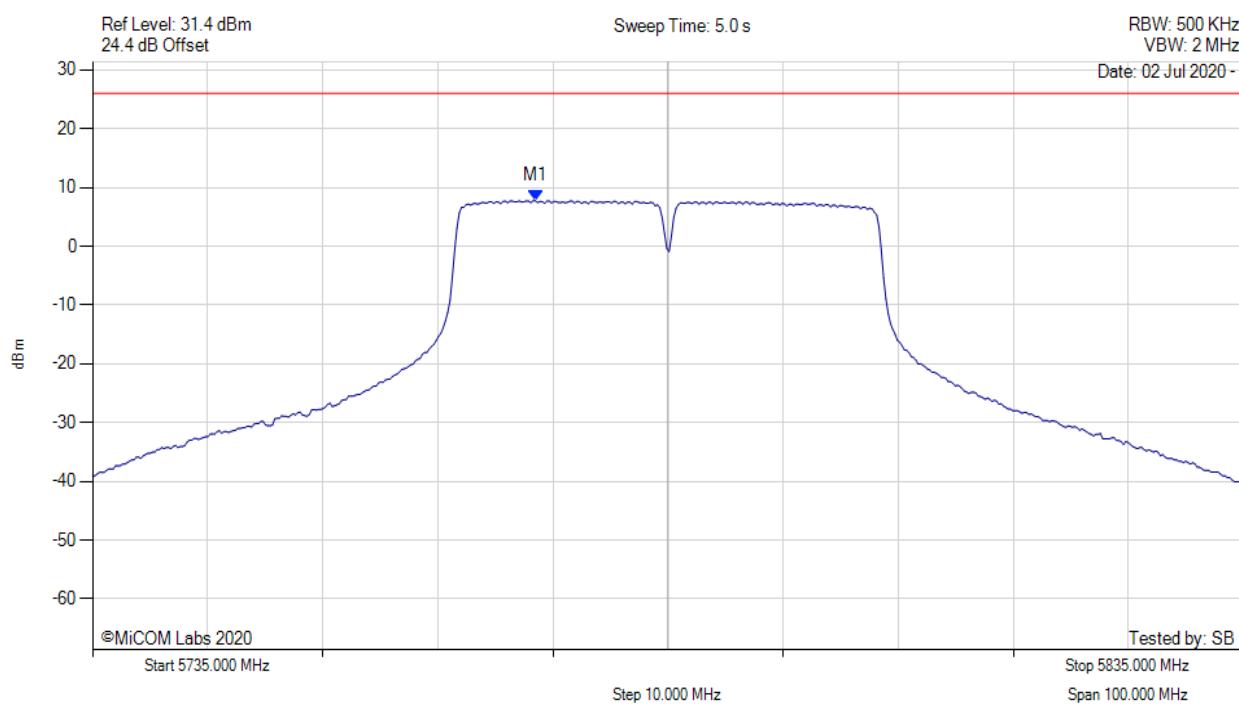


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5773.477 MHz : 4.870 dBm	Channel Frequency: 5785.00 MHz

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, SUM, Temp: 20

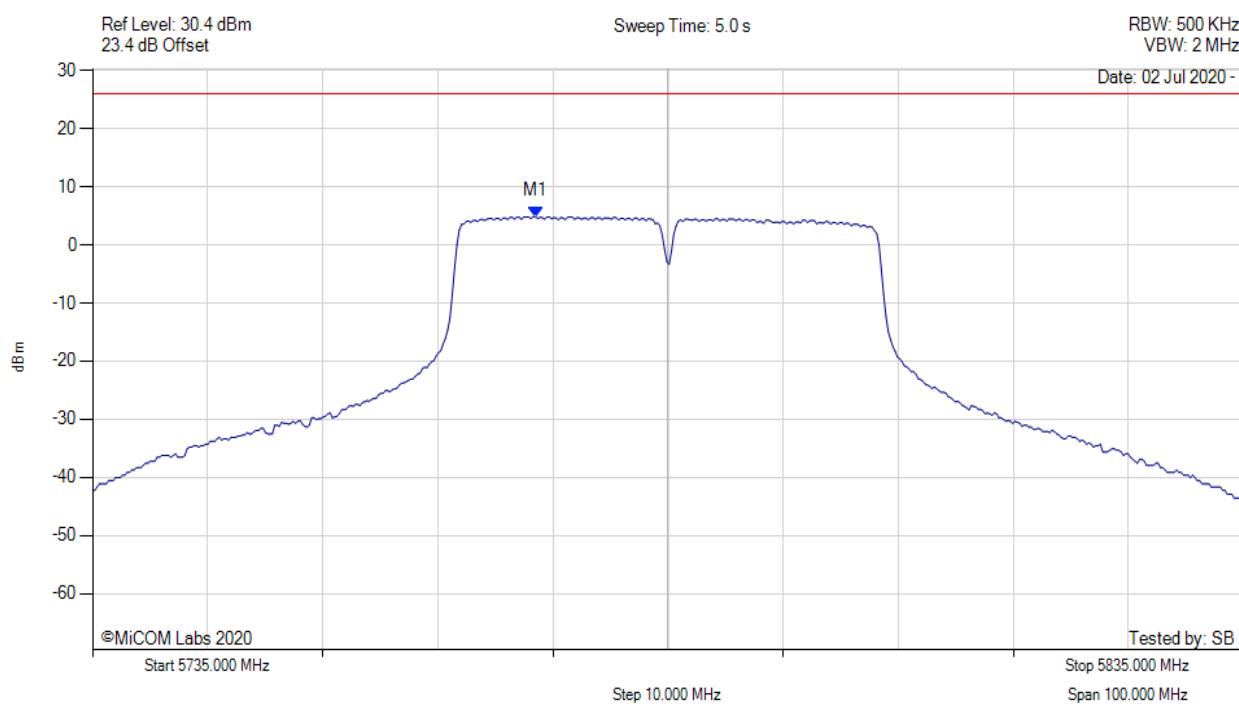


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5773.500 MHz : 7.759 dBm M1 + DCCF : 5773.500 MHz : 7.803 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -18.2 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, SUM, Temp: 20

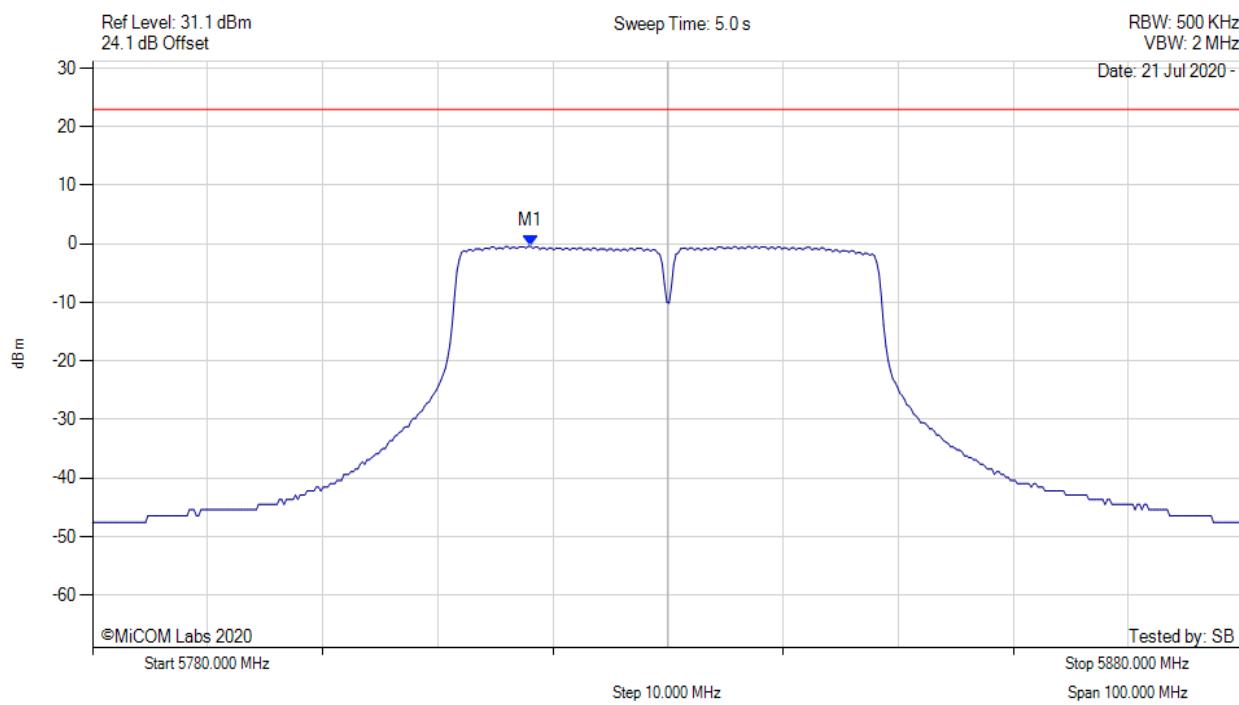


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5773.500 MHz : 4.870 dBm M1 + DCCF : 5773.500 MHz : 4.914 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -21.1 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5830.00 MHz, Chain a, Temp: 20



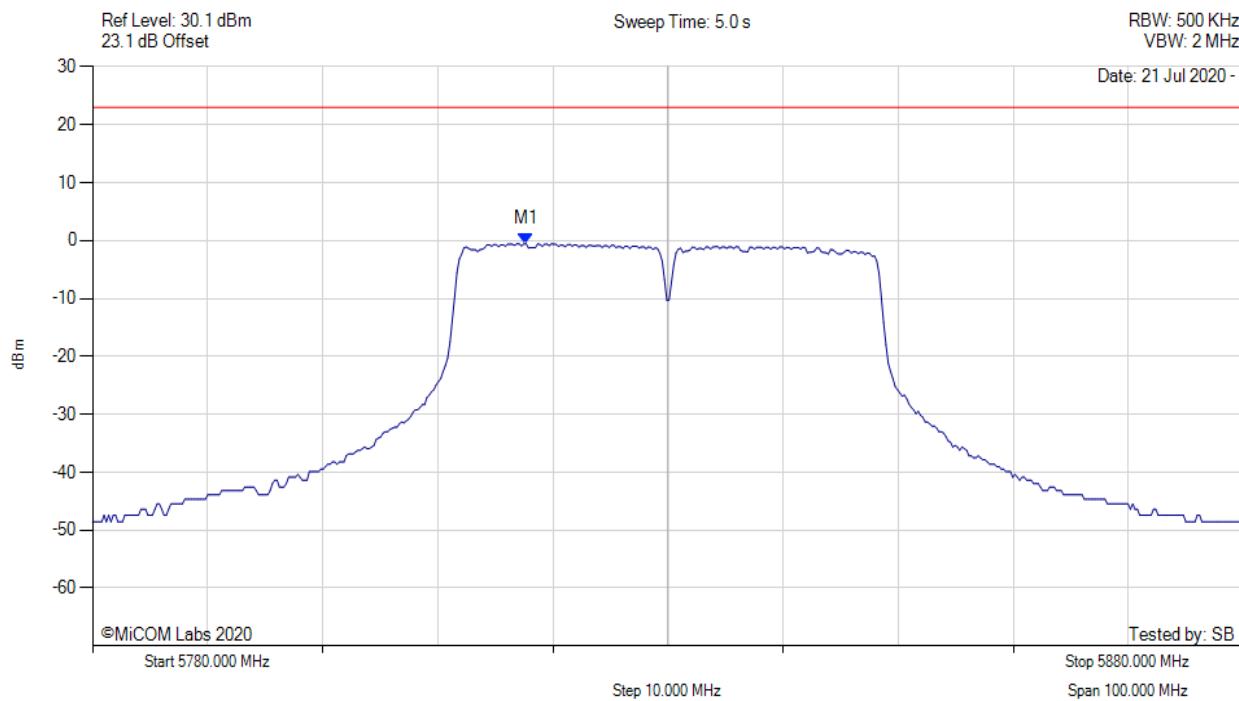
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5818.076 MHz : -0.388 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5830.00 MHz, Chain b, Temp: 20

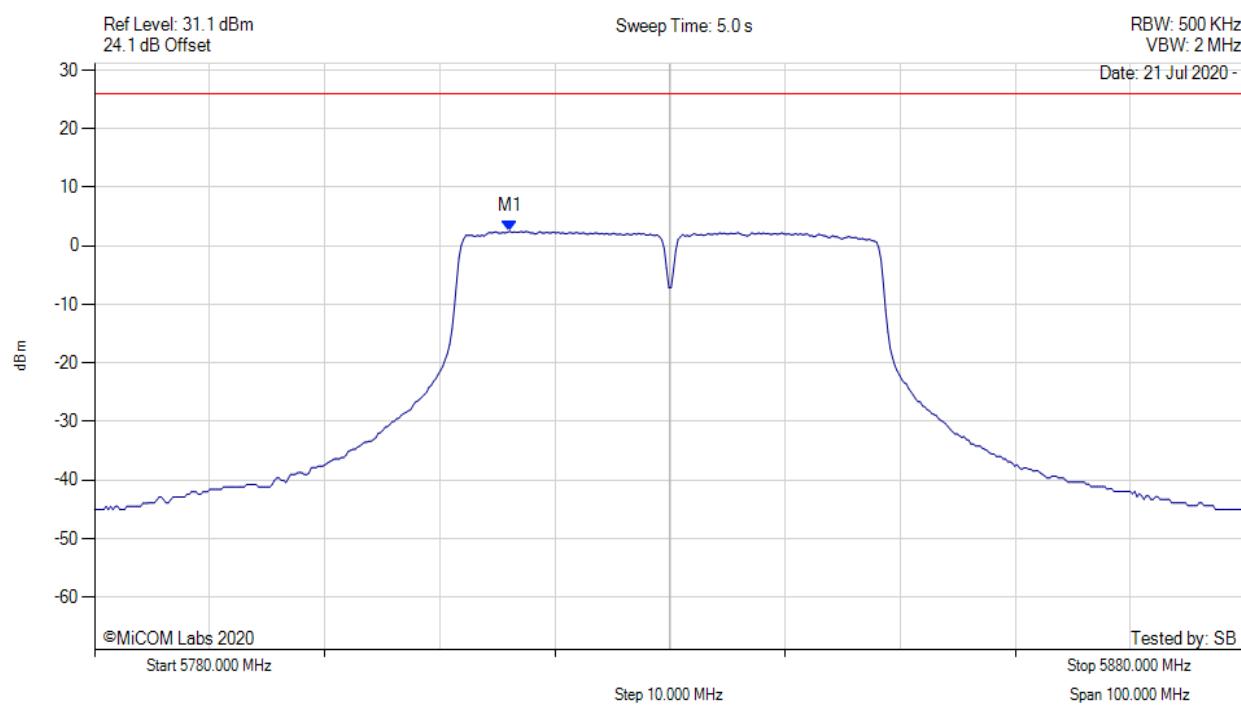


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5817.675 MHz : -0.555 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5830.00 MHz, SUM, Temp: 20



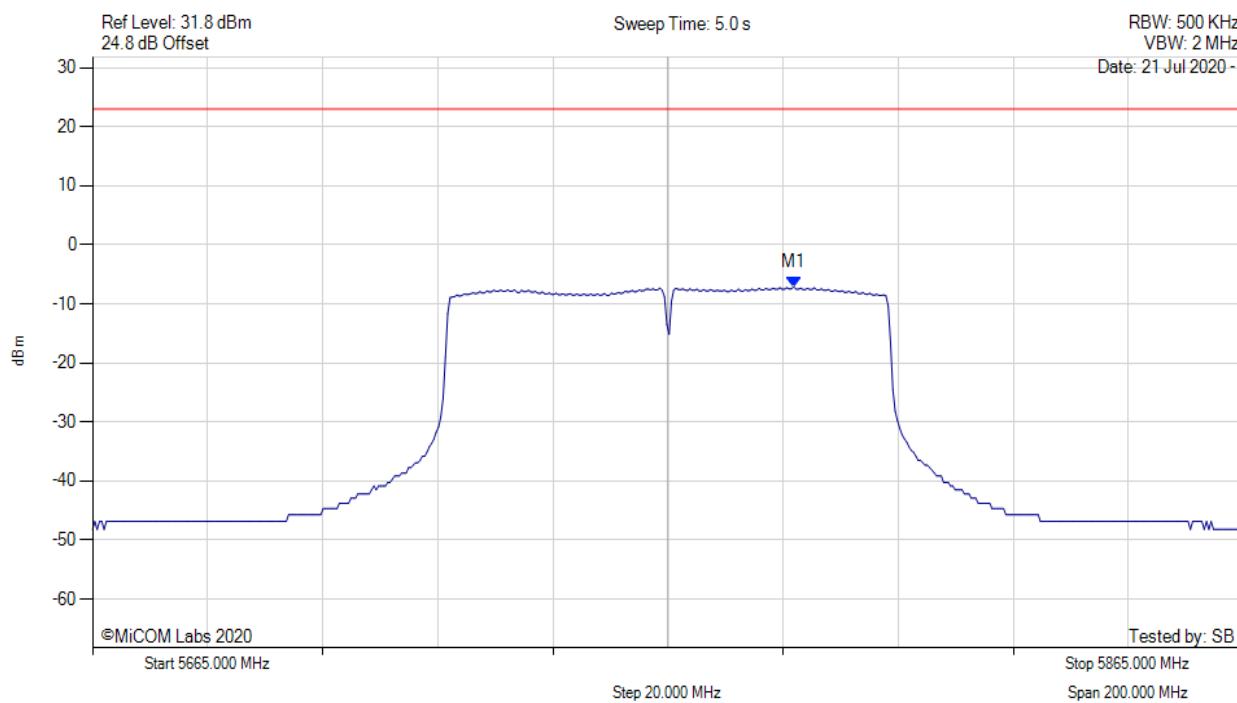
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5816.100 MHz : 2.483 dBm M1 + DCCF : 5816.100 MHz : 2.527 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -23.5 dB

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5765.00 MHz, Chain a, Temp: 20



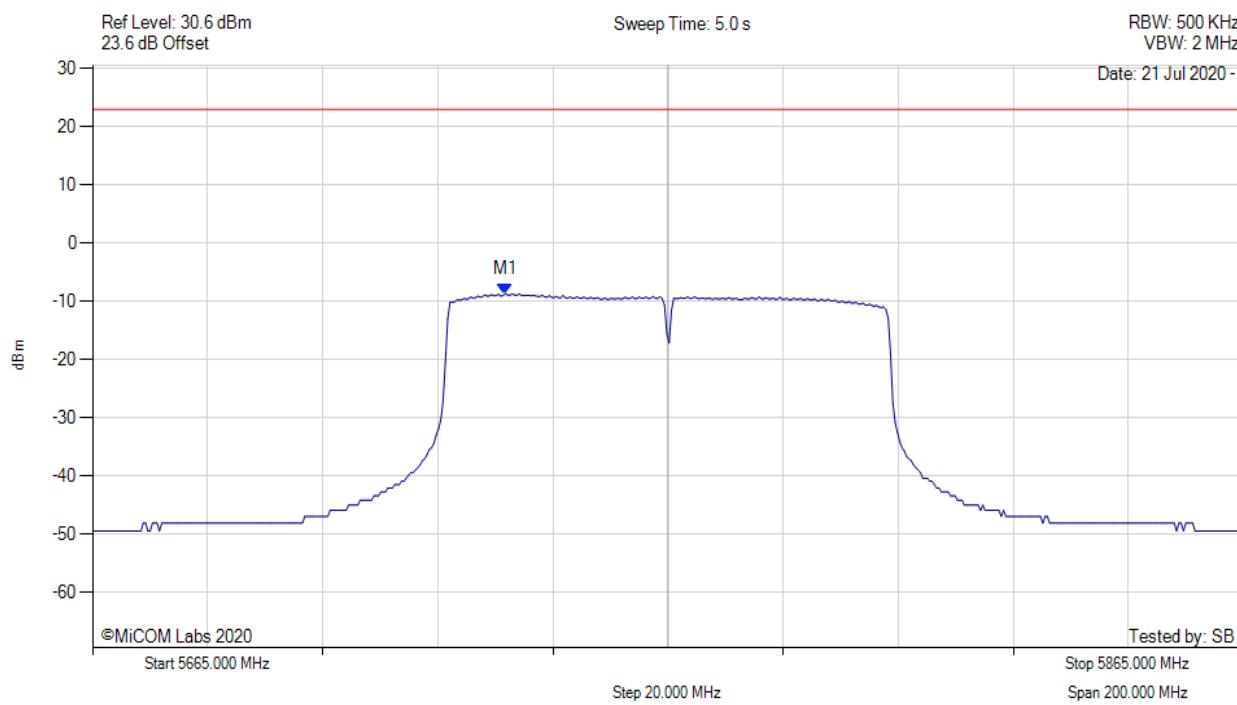
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5786.844 MHz : -7.102 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5765.00 MHz, Chain b, Temp: 20

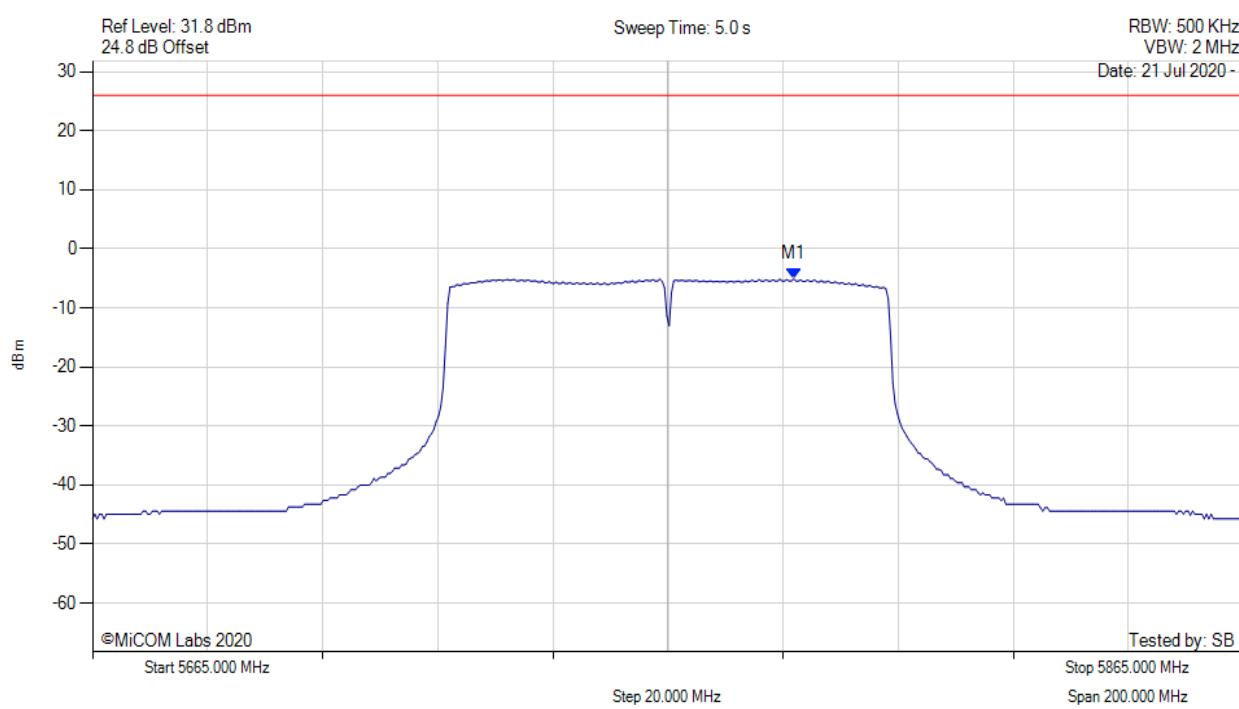


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5736.743 MHz : -8.694 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5765.00 MHz, SUM, Temp: 20



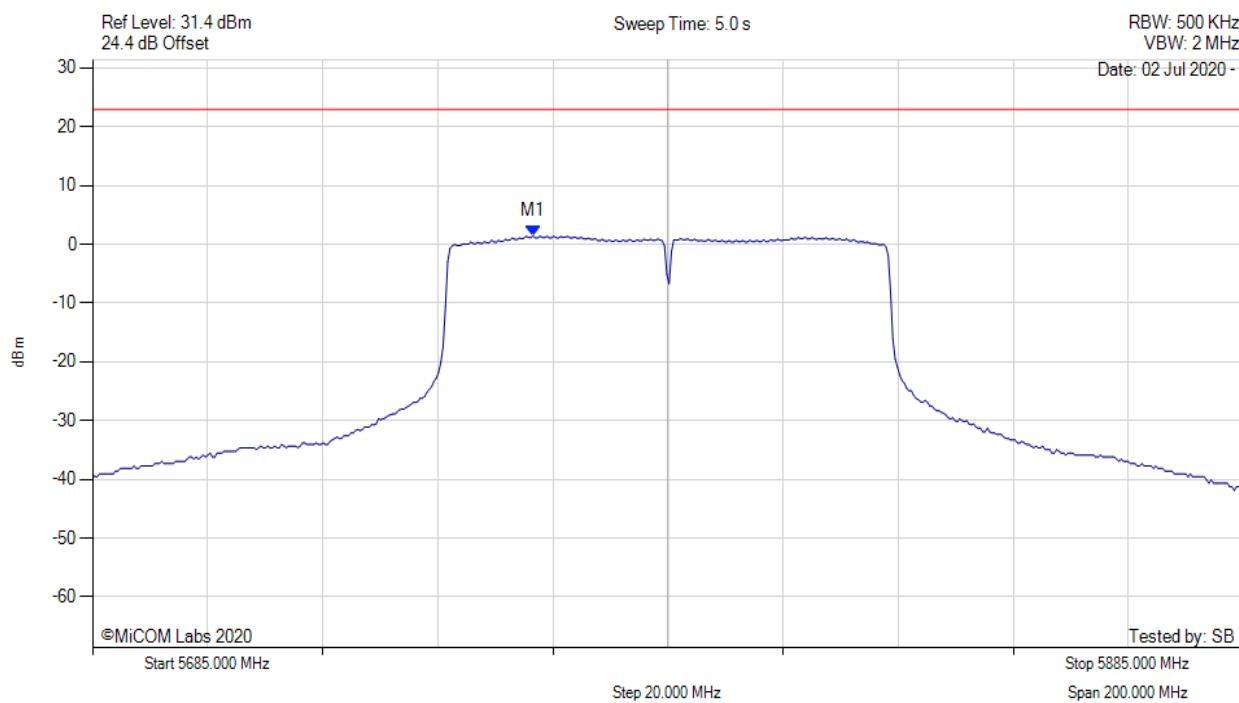
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5786.800 MHz : -5.102 dBm M1 + DCCF : 5786.800 MHz : -5.058 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -31.1 dB

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5785.00 MHz, Chain a, Temp: 20



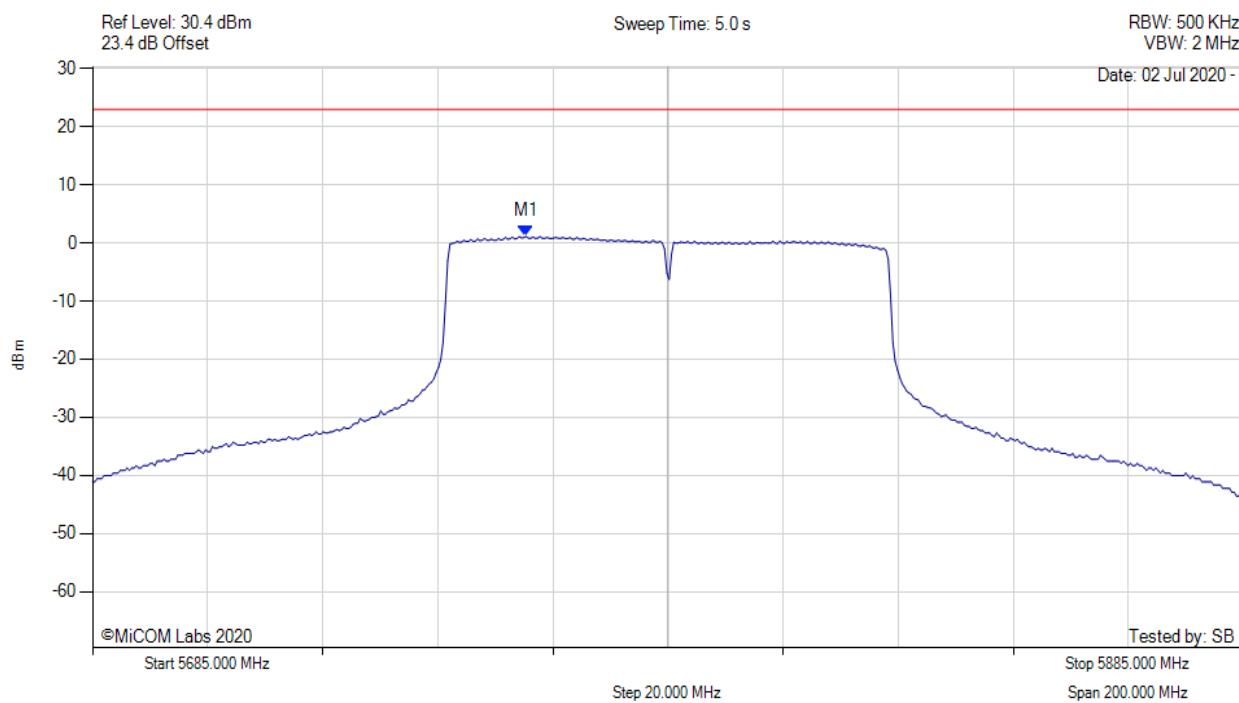
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5761.553 MHz : 1.396 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

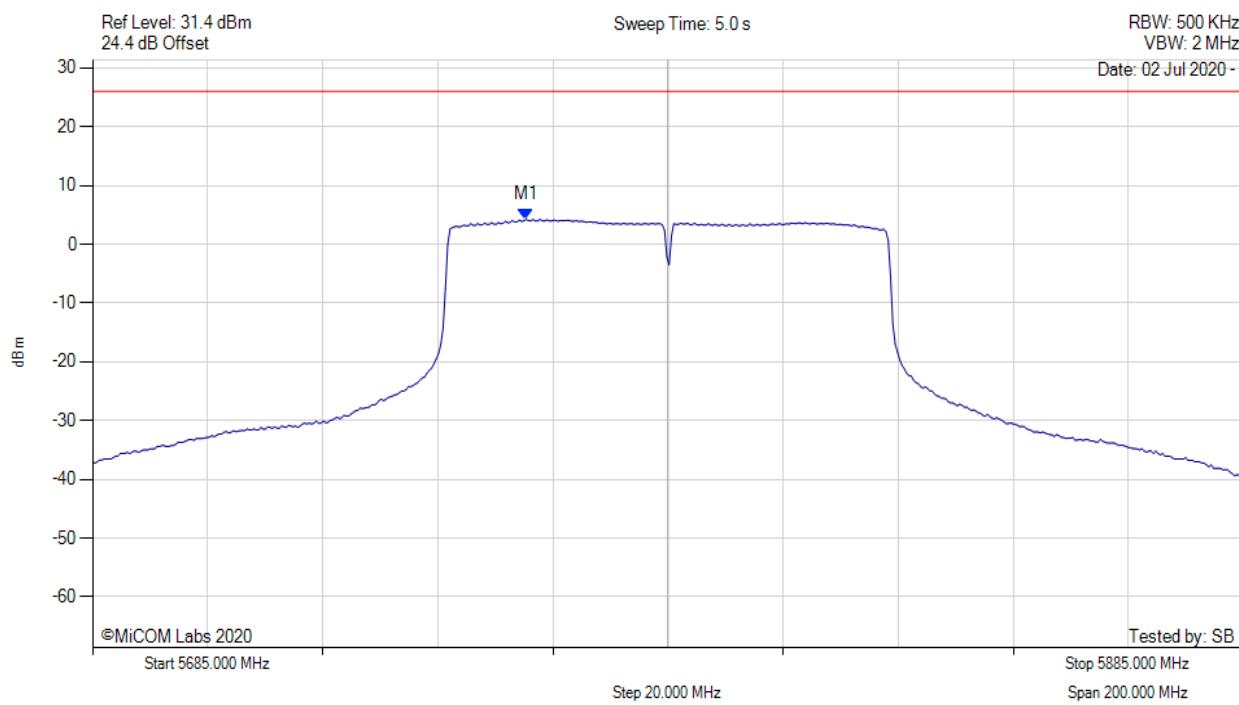


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5760.351 MHz : 1.116 dBm	Channel Frequency: 5785.00 MHz

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5785.00 MHz, SUM, Temp: 20

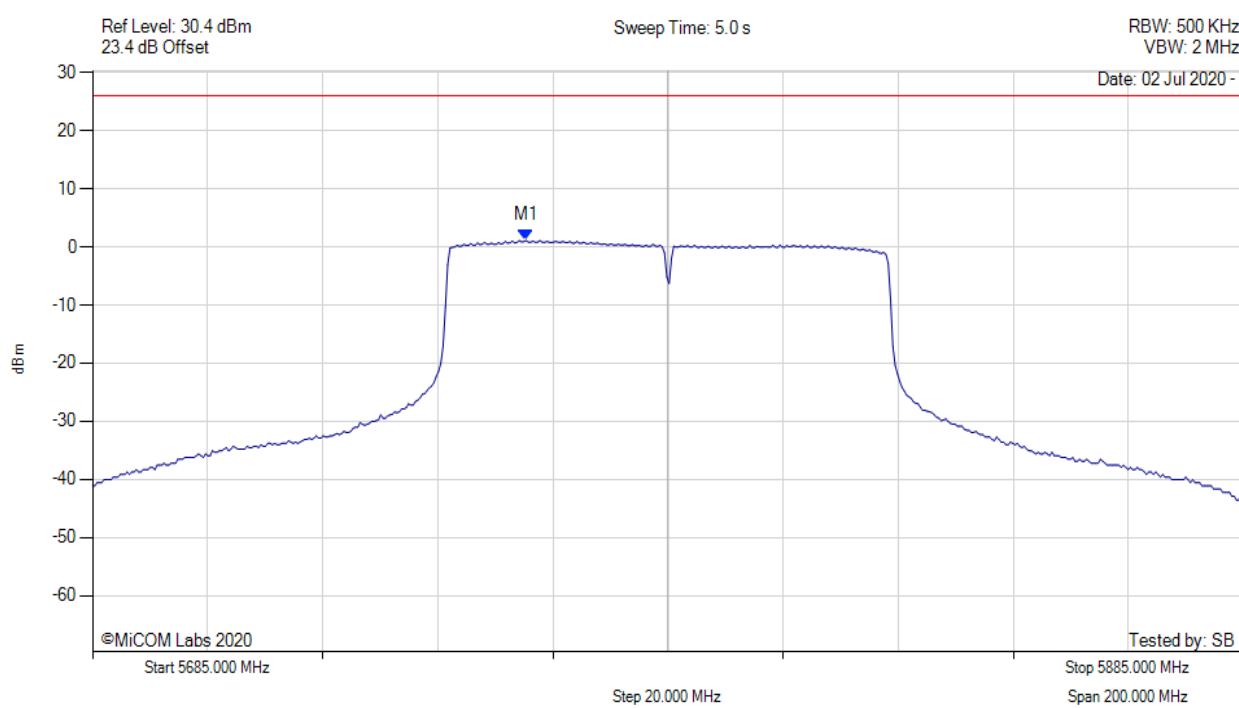


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5760.400 MHz : 4.252 dBm M1 + DCCF : 5760.400 MHz : 4.296 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -21.7 dB

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5785.00 MHz, SUM, Temp: 20



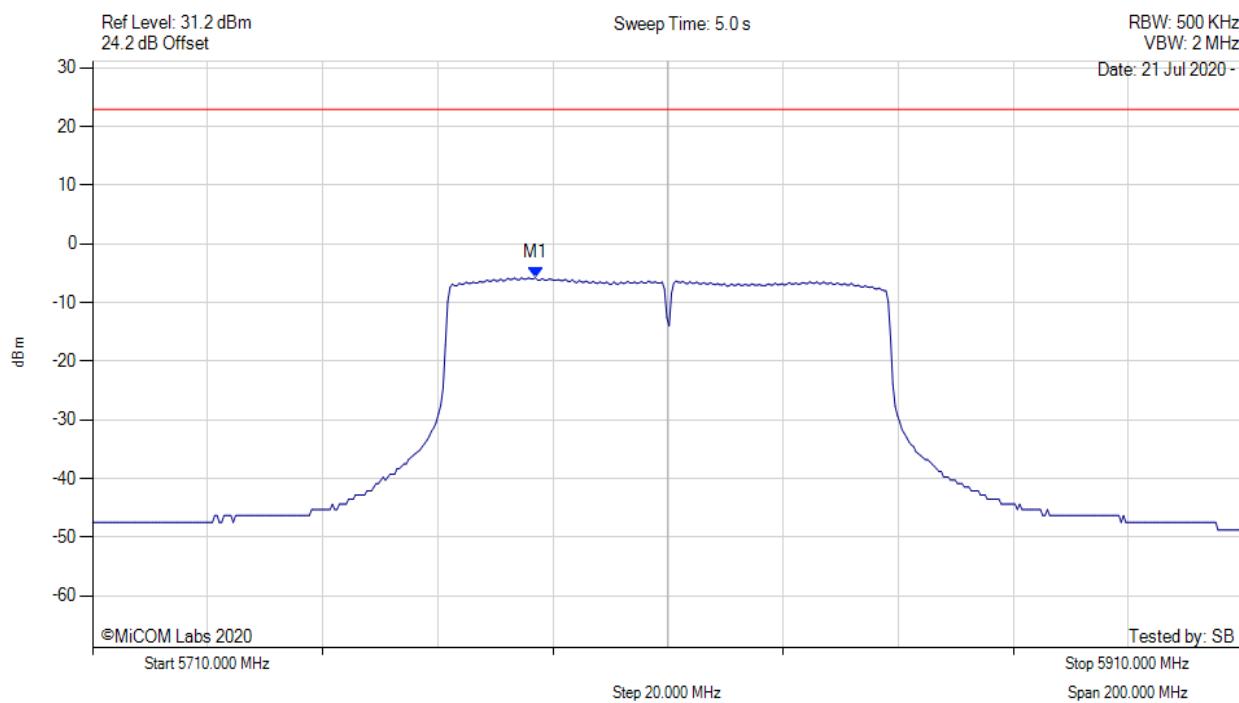
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5760.400 MHz : 1.116 dBm M1 + DCCF : 5760.400 MHz : 1.160 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -24.9 dB

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5810.00 MHz, Chain a, Temp: 20



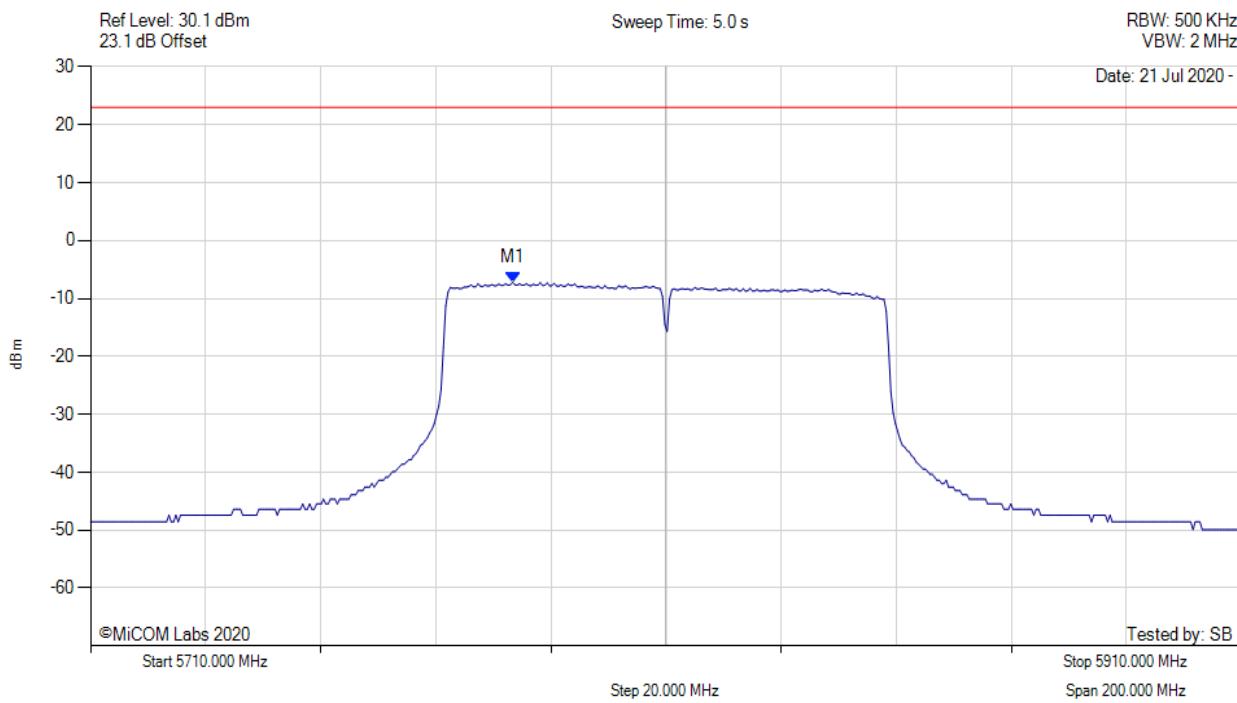
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5786.954 MHz : -5.736 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5810.00 MHz, Chain b, Temp: 20



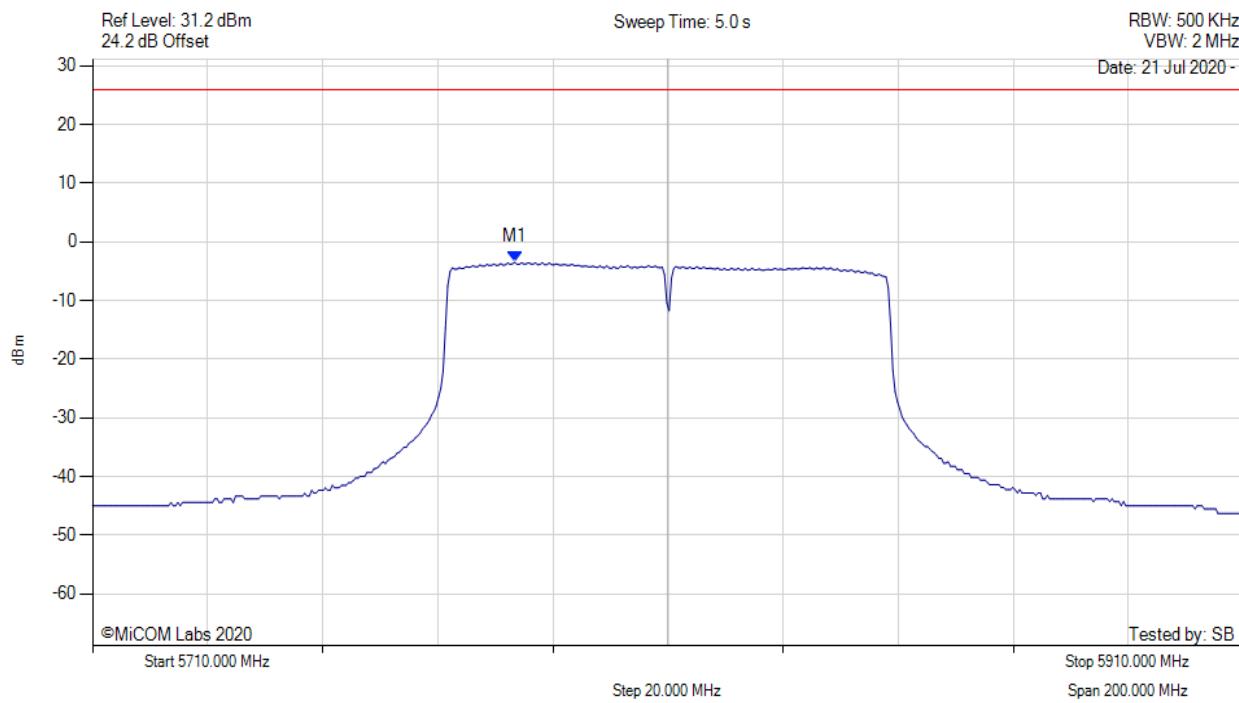
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.347 MHz : -7.210 dBm	Limit: ≤ 22.990 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5810.00 MHz, SUM, Temp: 20

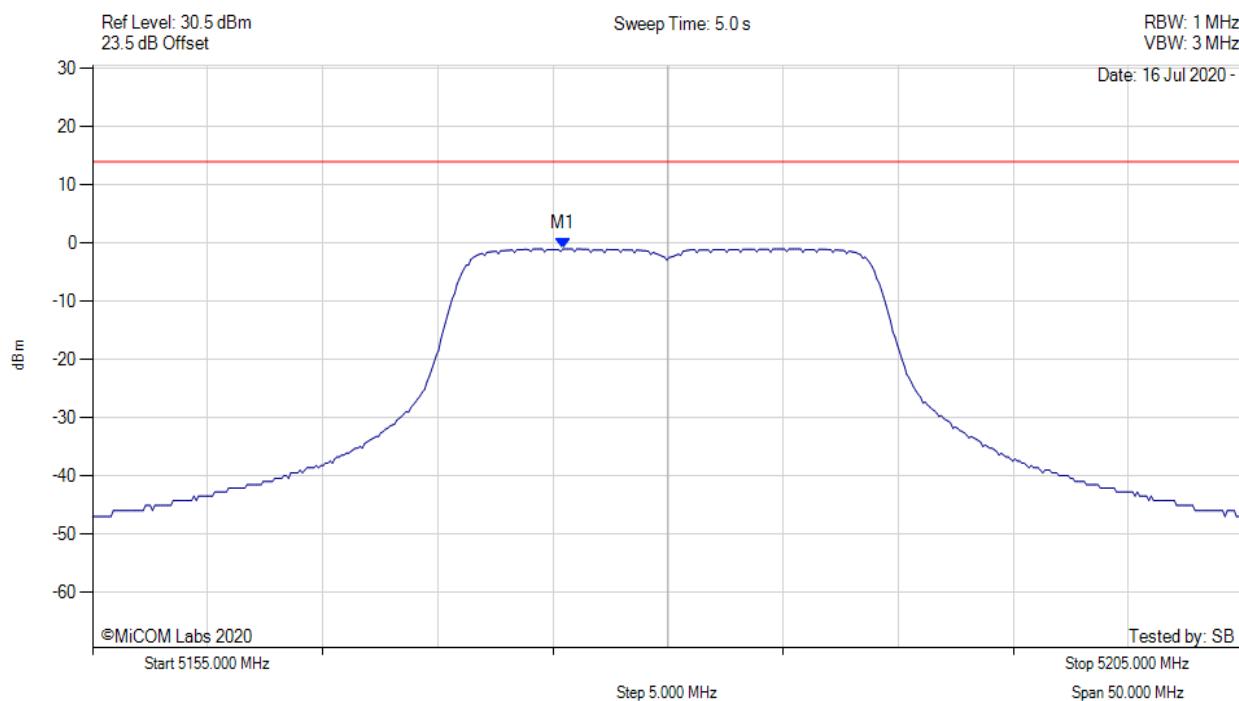


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.300 MHz : -3.442 dBm M1 + DCCF : 5783.300 MHz : -3.398 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 26.0 dBm Margin: -29.4 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5180.00 MHz, Chain a, Temp: 20



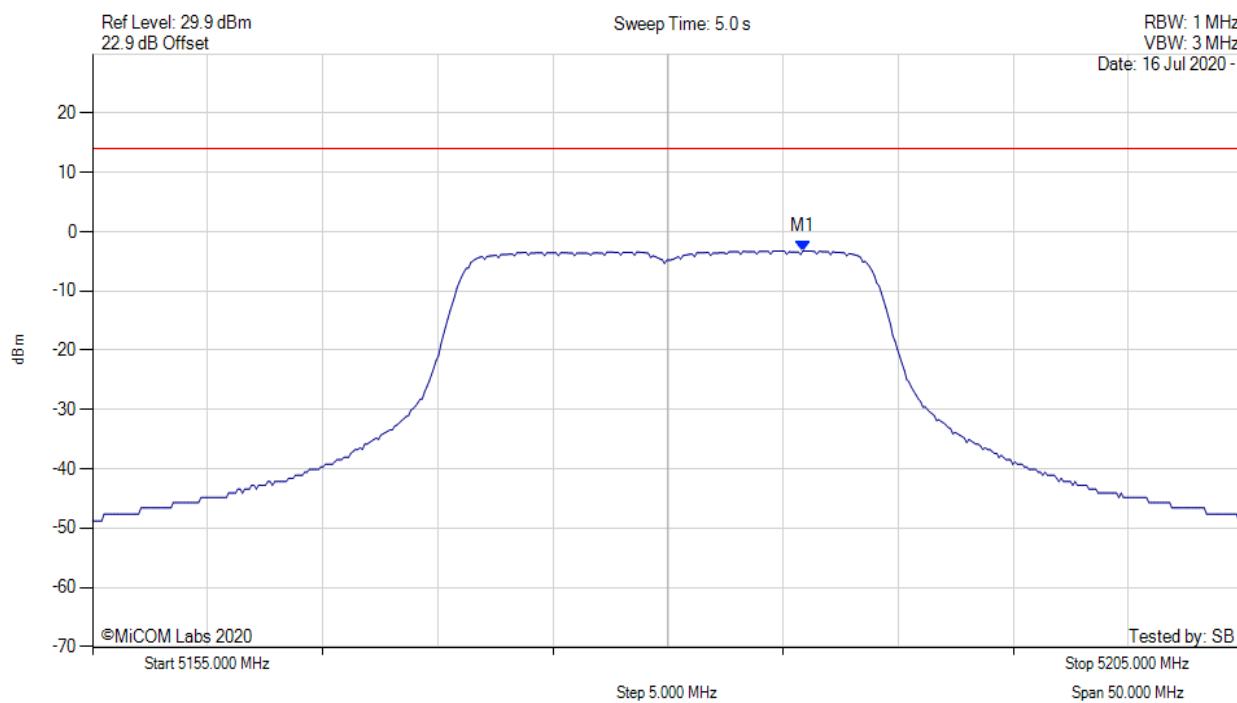
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5175.441 MHz : -0.994 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5180.00 MHz, Chain b, Temp: 20

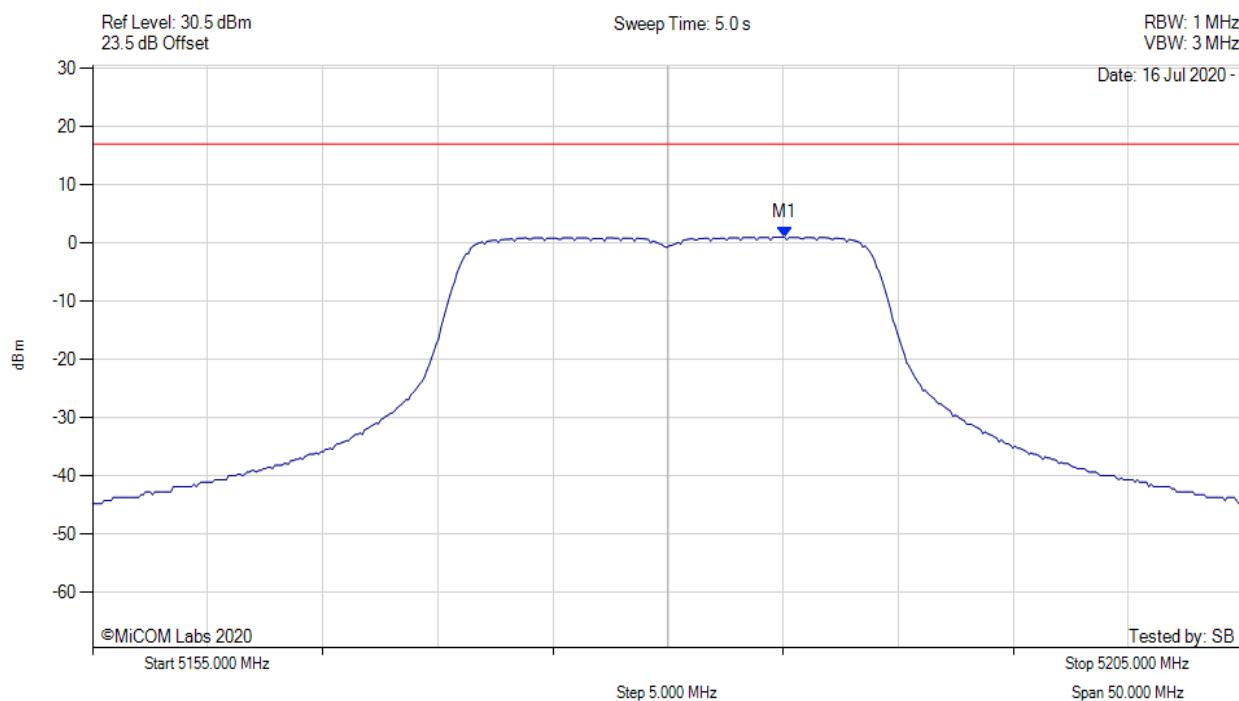


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5185.862 MHz : -3.234 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5180.00 MHz, SUM, Temp: 20

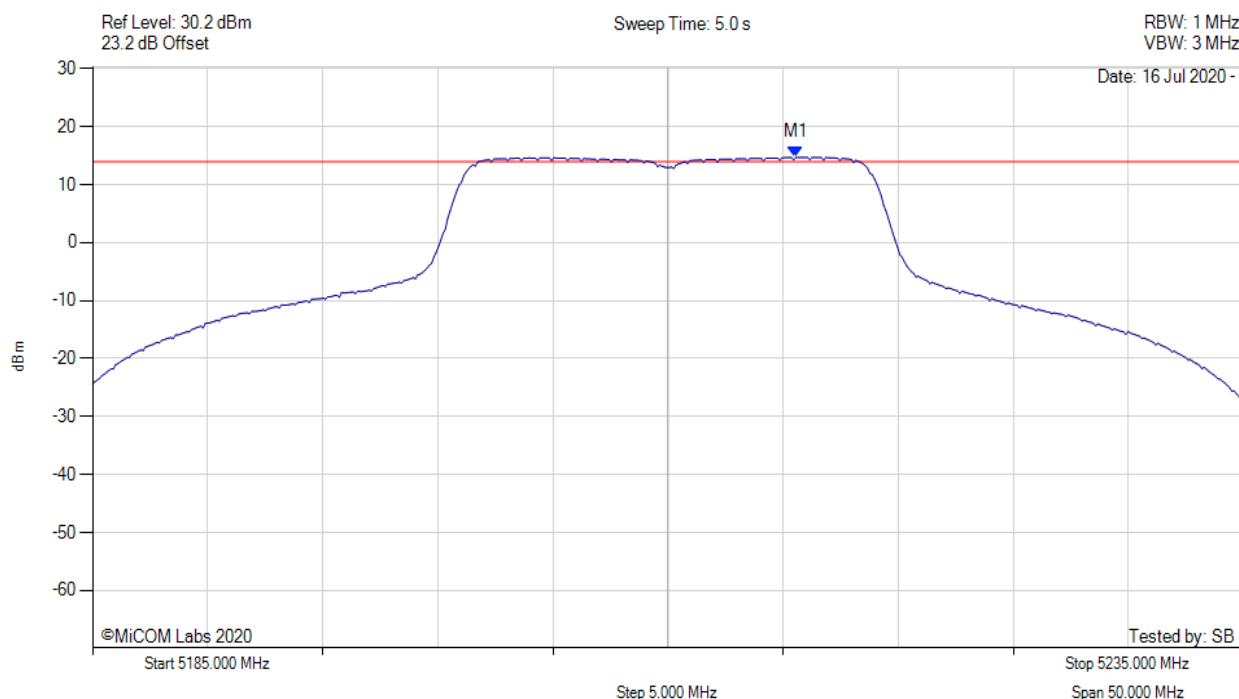


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5185.100 MHz : 1.007 dBm M1 + DCCF : 5185.100 MHz : 1.051 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -16.0 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5210.00 MHz, Chain a, Temp: 20



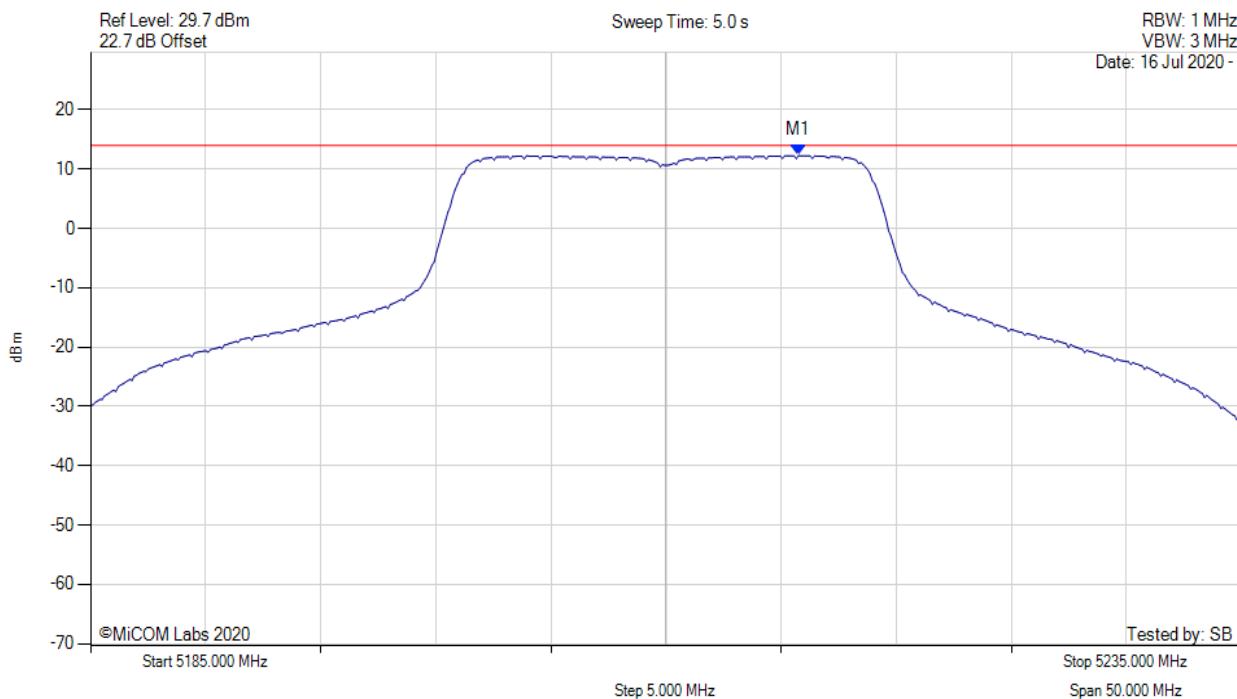
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5215.561 MHz : 14.714 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

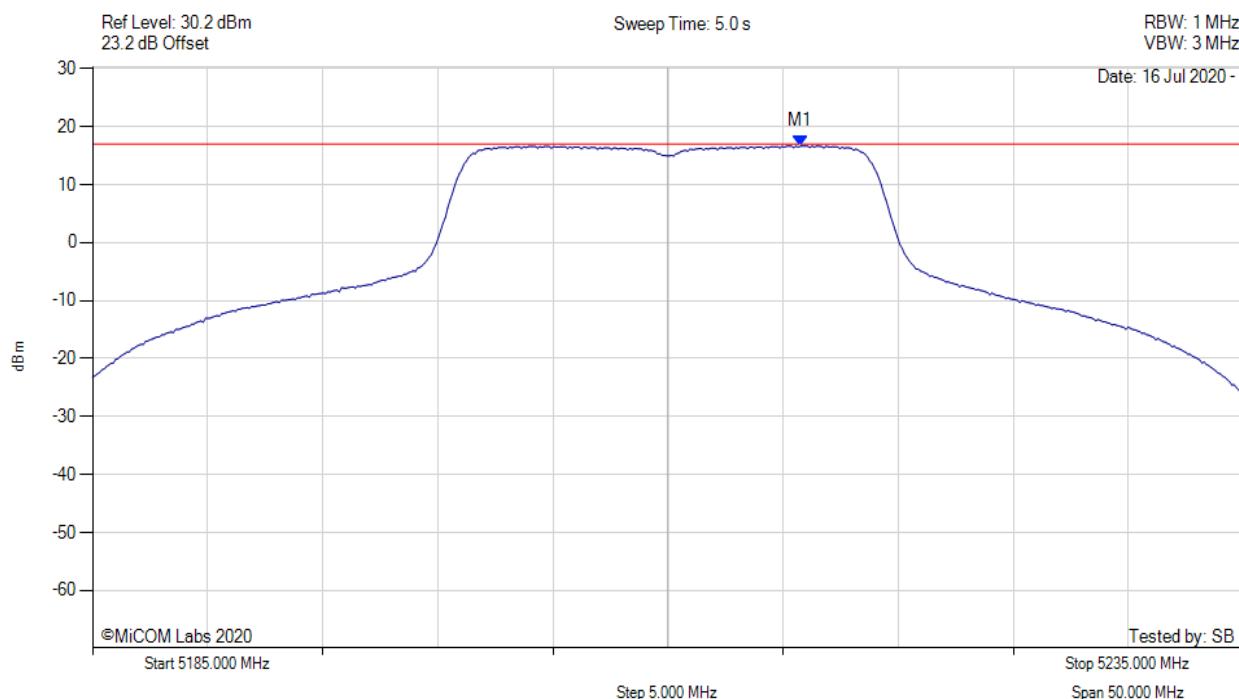


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5215.762 MHz : 12.303 dBm	Channel Frequency: 5210.00 MHz

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5210.00 MHz, SUM, Temp: 20



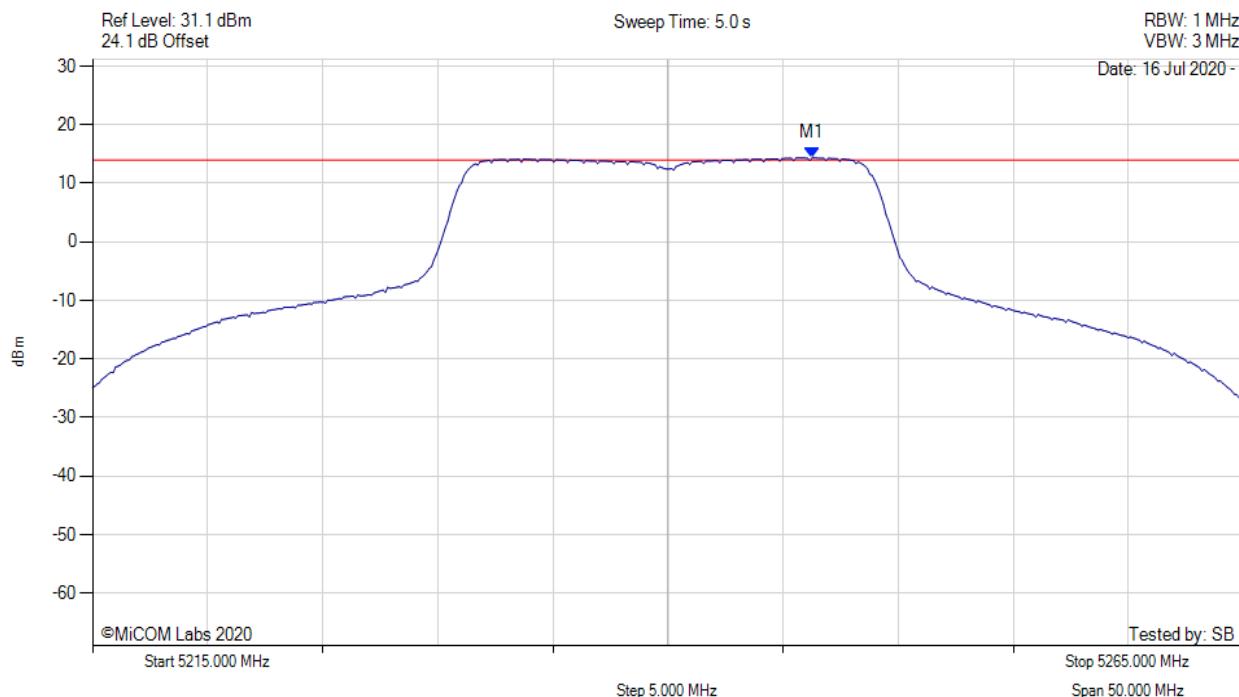
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5215.800 MHz : 16.674 dBm M1 + DCCF : 5215.800 MHz : 16.718 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -0.3 dB

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5240.00 MHz, Chain a, Temp: 20

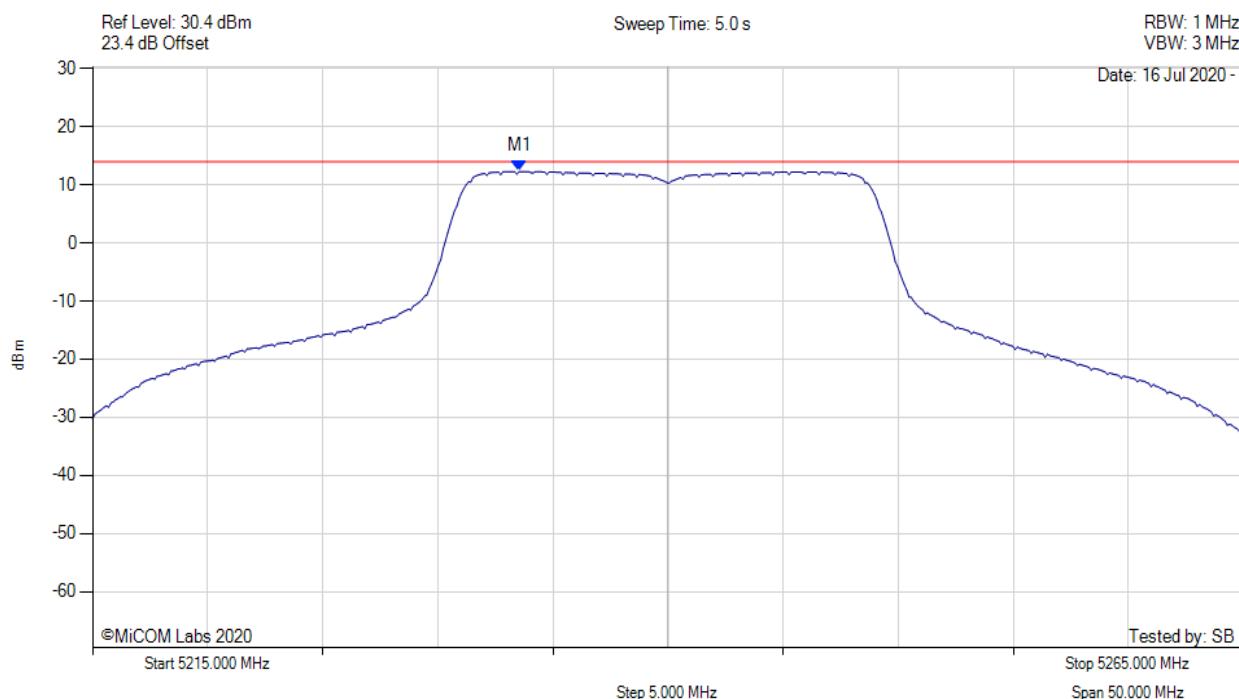


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.263 MHz : 14.321 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5240.00 MHz, Chain b, Temp: 20

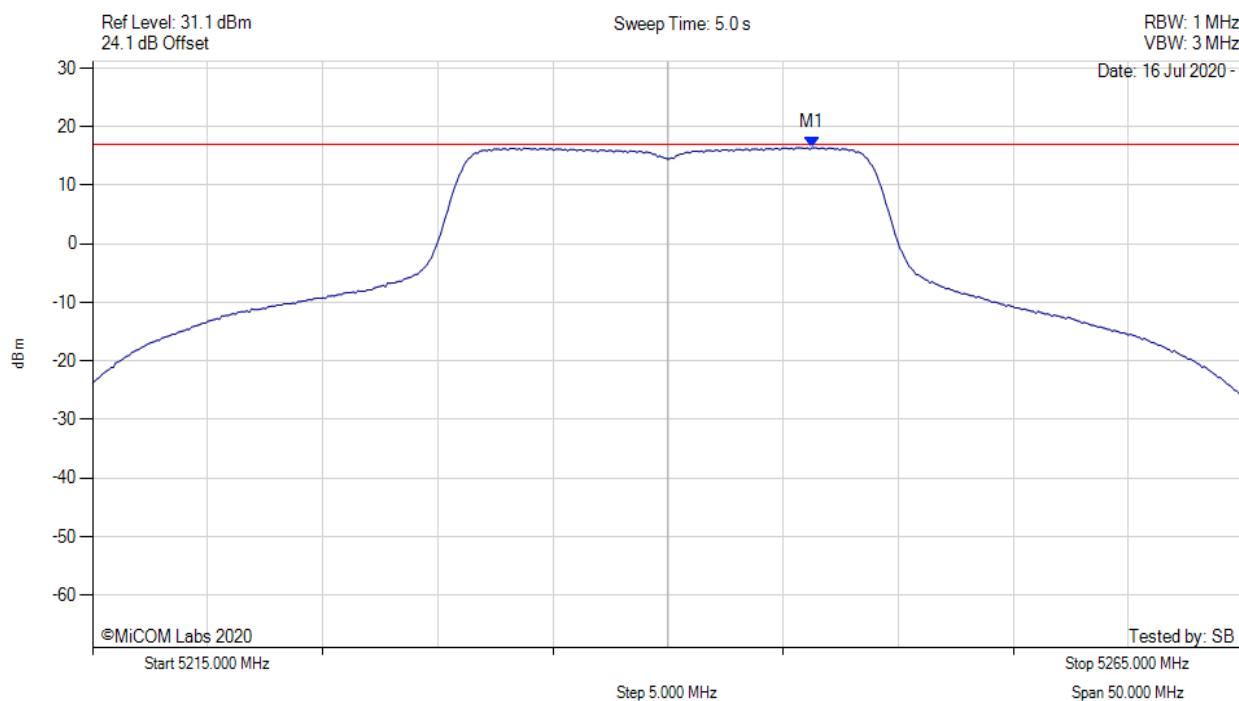


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5233.537 MHz : 12.285 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5240.00 MHz, SUM, Temp: 20

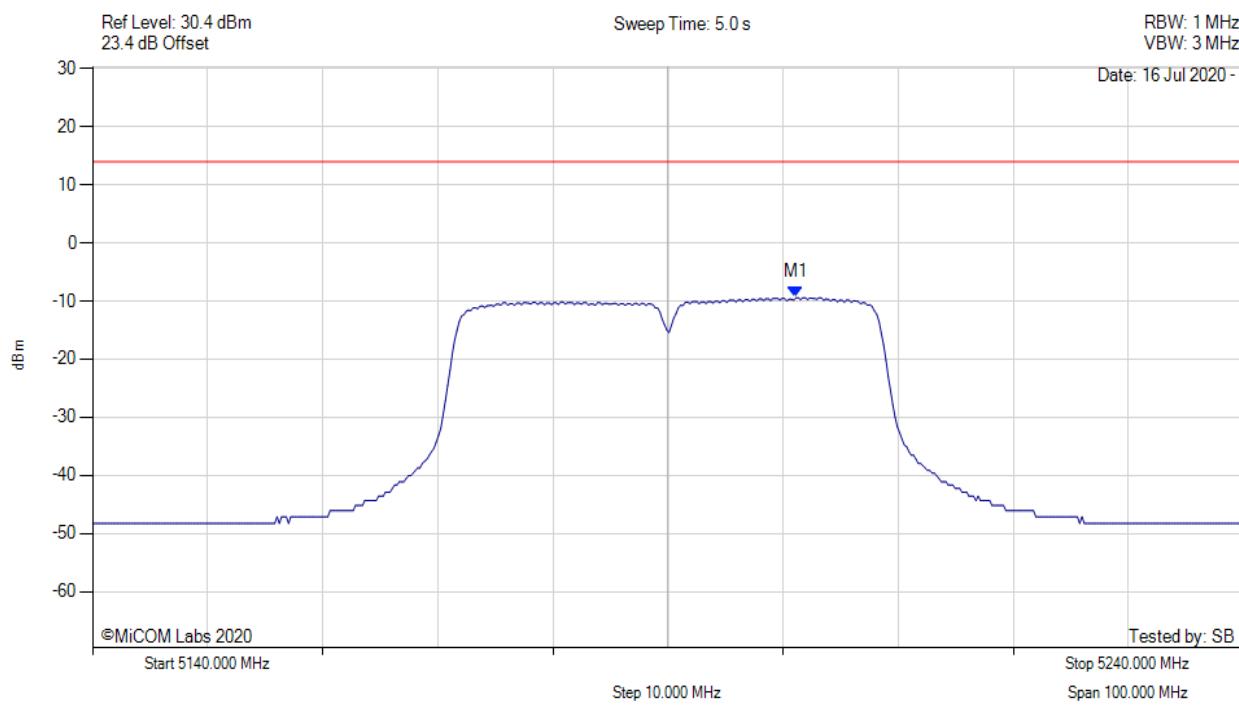


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.300 MHz : 16.399 dBm M1 + DCCF : 5246.300 MHz : 16.443 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -0.6 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5190.00 MHz, Chain a, Temp: 20



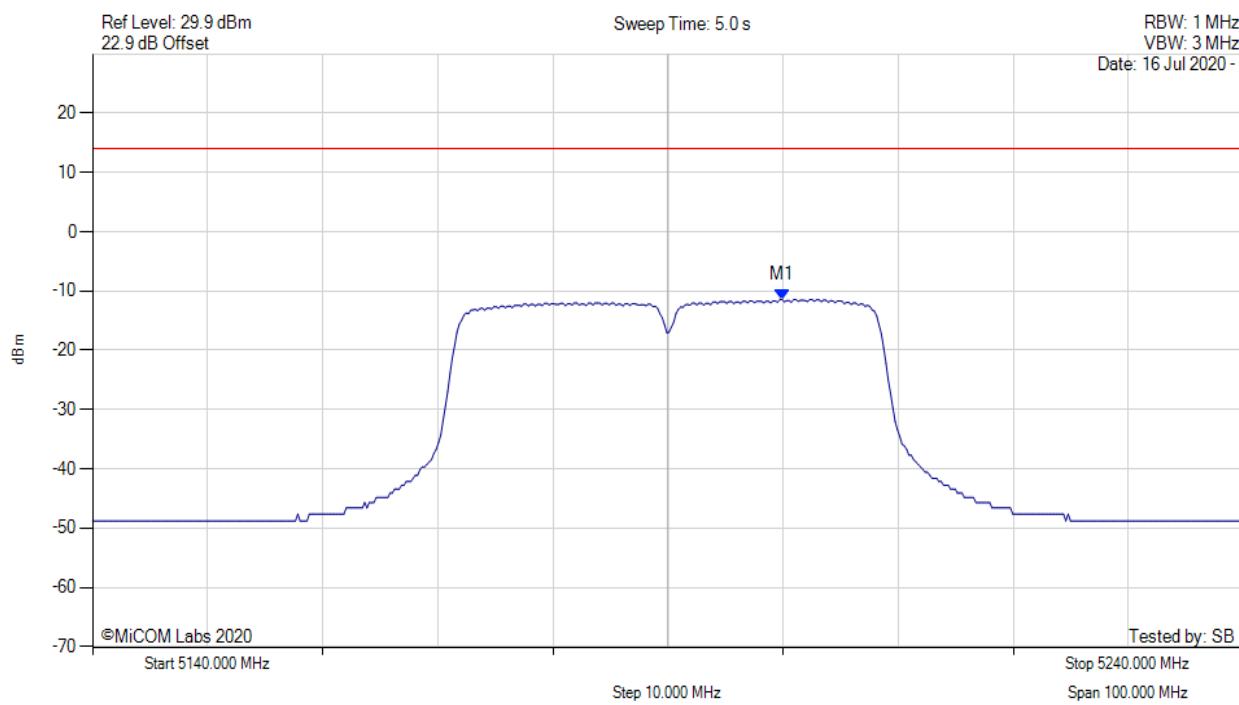
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5201.122 MHz : -9.416 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5190.00 MHz, Chain b, Temp: 20

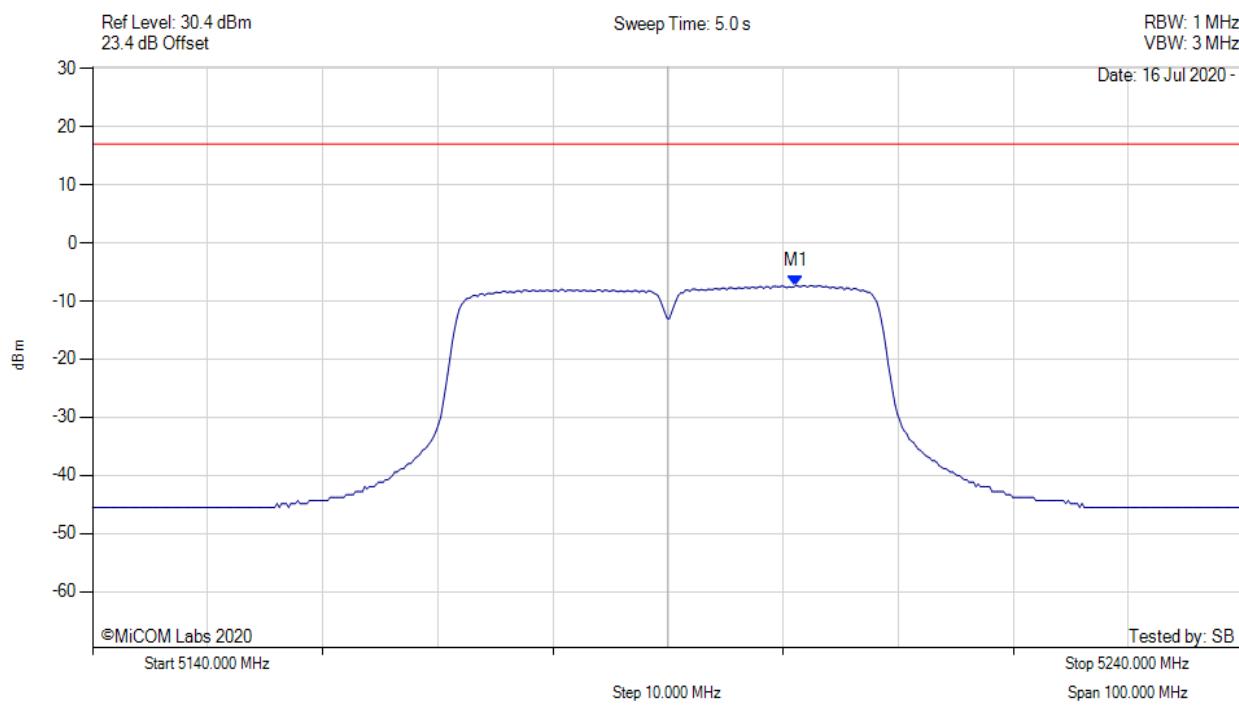


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5199.920 MHz : -11.463 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5190.00 MHz, SUM, Temp: 20

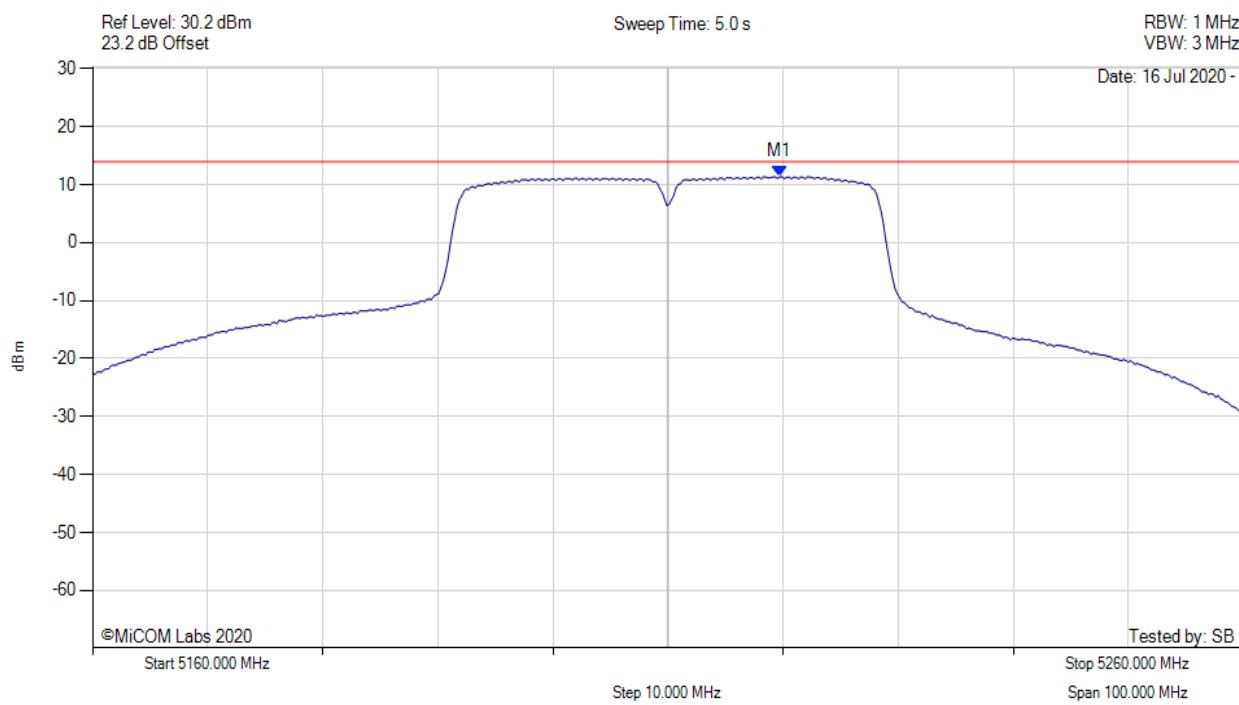


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5201.100 MHz : -7.310 dBm M1 + DCCF : 5201.100 MHz : -7.266 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -24.3 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5210.00 MHz, Chain a, Temp: 20



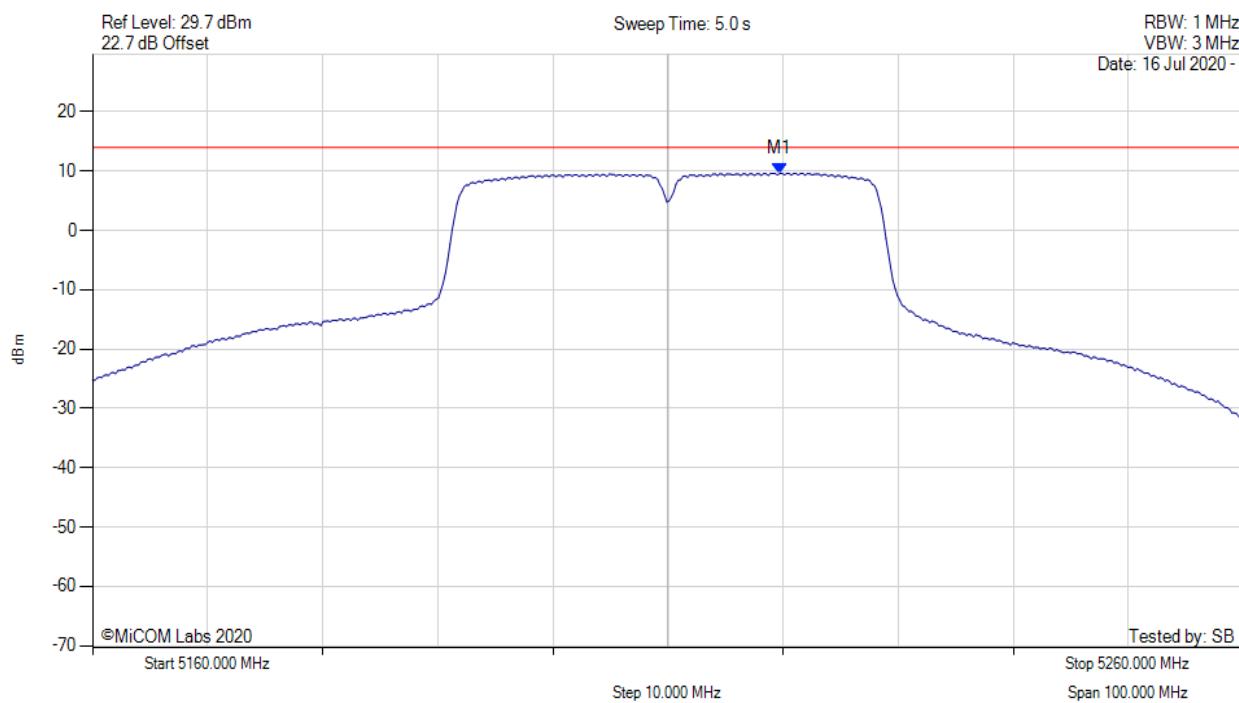
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5219.719 MHz : 11.357 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

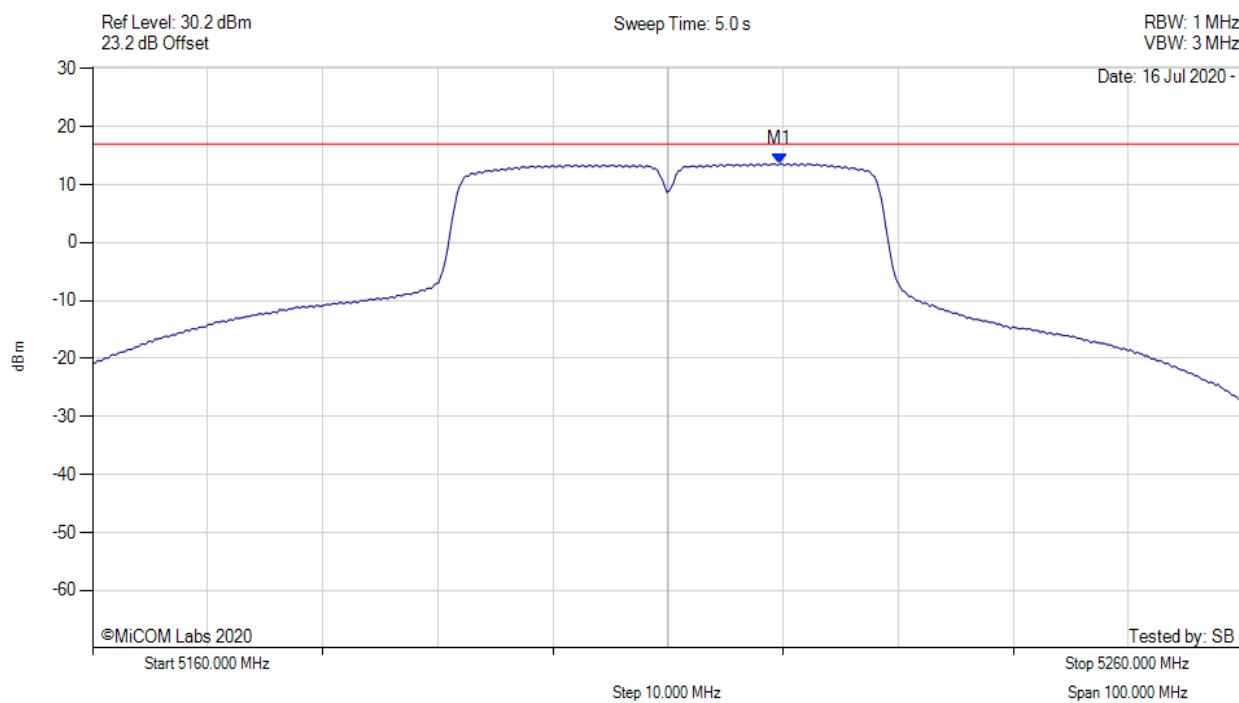


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5219.719 MHz : 9.642 dBm	Channel Frequency: 5210.00 MHz

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5210.00 MHz, SUM, Temp: 20

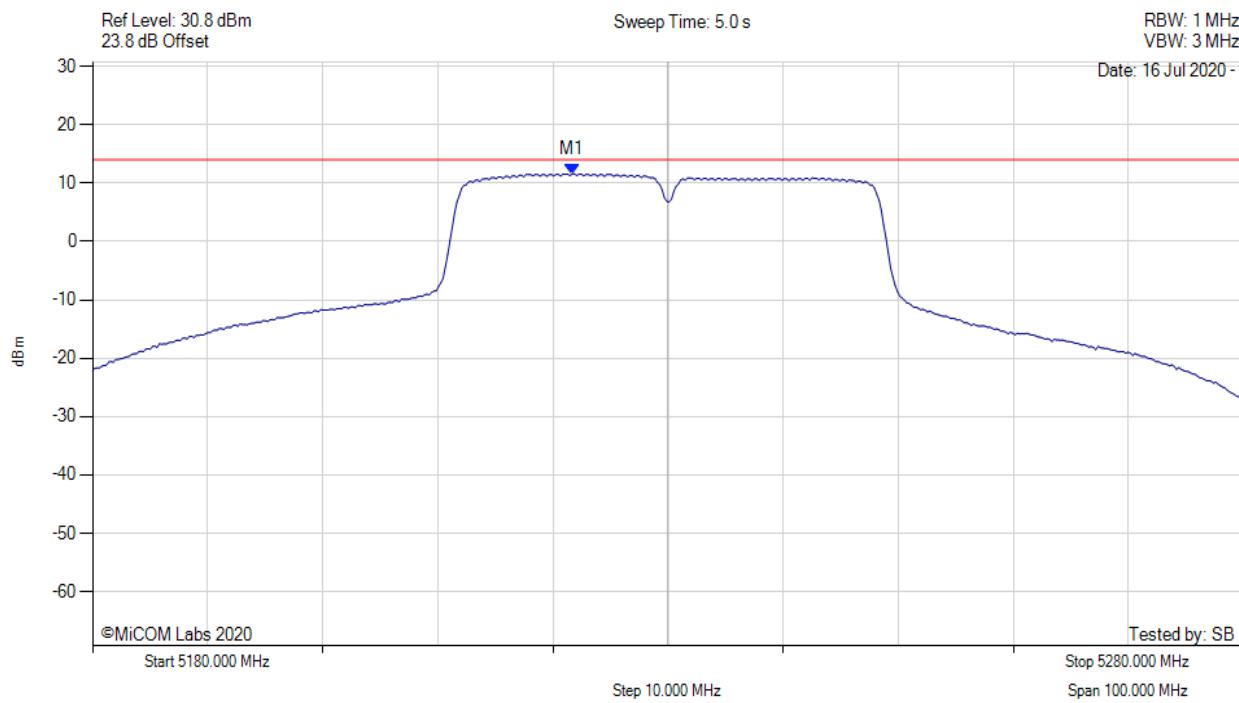


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5219.700 MHz : 13.594 dBm M1 + DCCF : 5219.700 MHz : 13.638 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -3.4 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5230.00 MHz, Chain a, Temp: 20



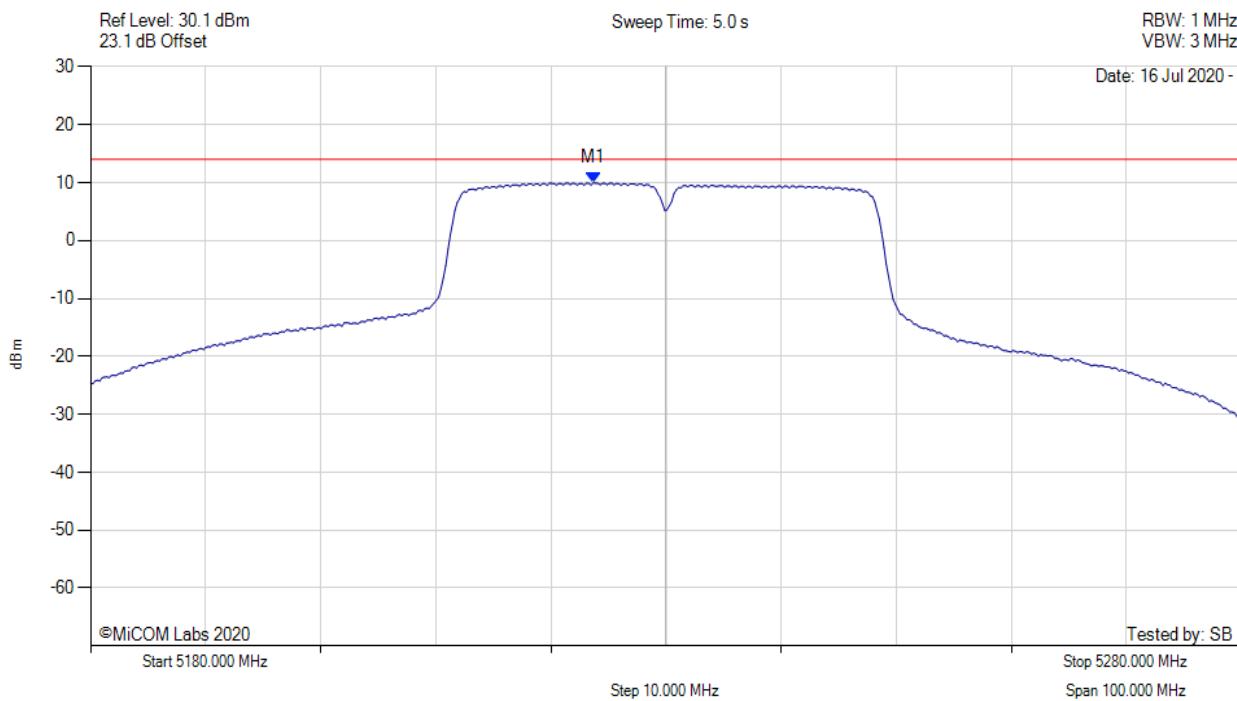
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5221.683 MHz : 11.554 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5230.00 MHz, Chain b, Temp: 20

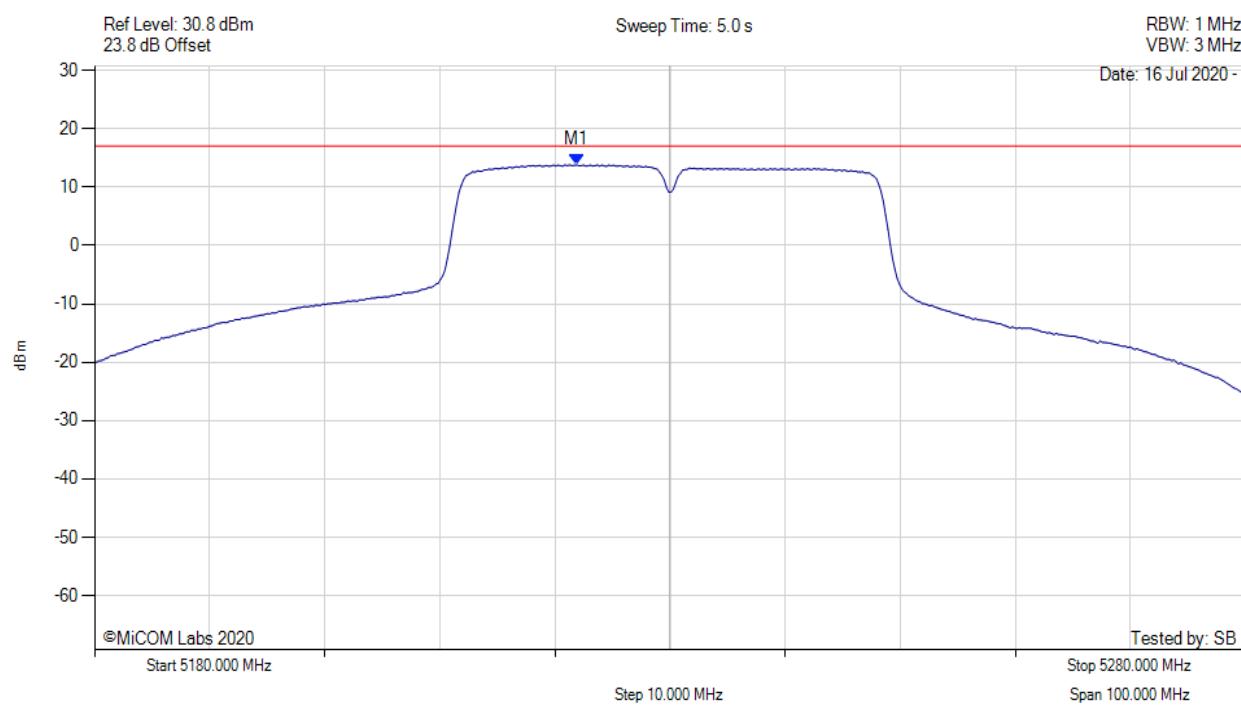


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5223.687 MHz : 9.963 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5230.00 MHz, SUM, Temp: 20

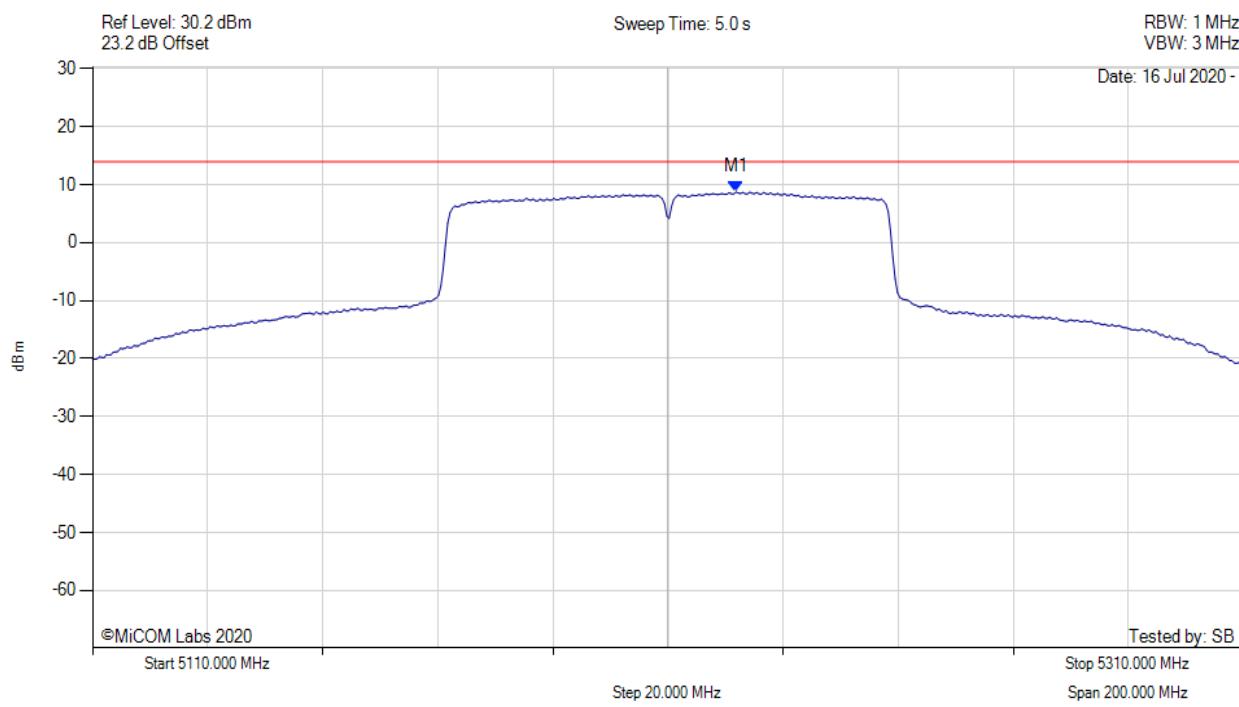


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5221.900 MHz : 13.807 dBm M1 + DCCF : 5221.900 MHz : 13.851 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -3.2 dB

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5210.00 MHz, Chain a, Temp: 20



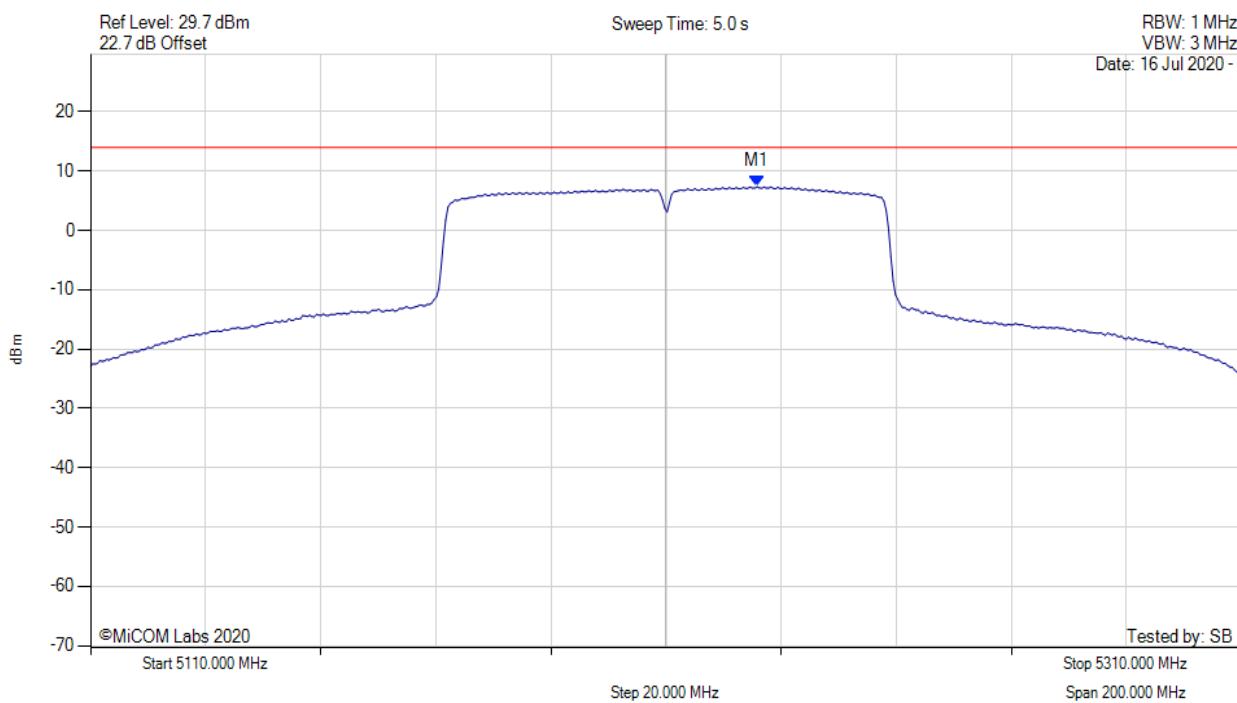
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5221.824 MHz : 8.742 dBm	Limit: ≤ 14.000 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5210.00 MHz, Chain b, Temp: 20

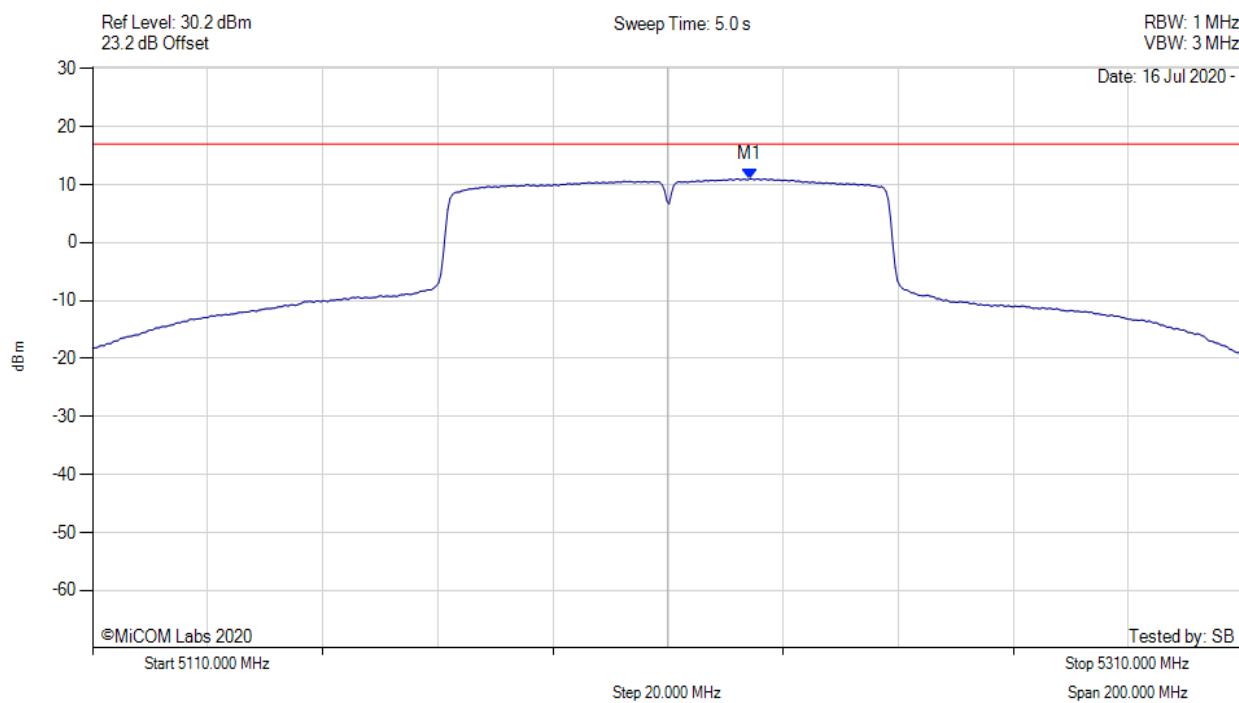


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5225.832 MHz : 7.378 dBm	Channel Frequency: 5210.00 MHz

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5210.00 MHz, SUM, Temp: 20

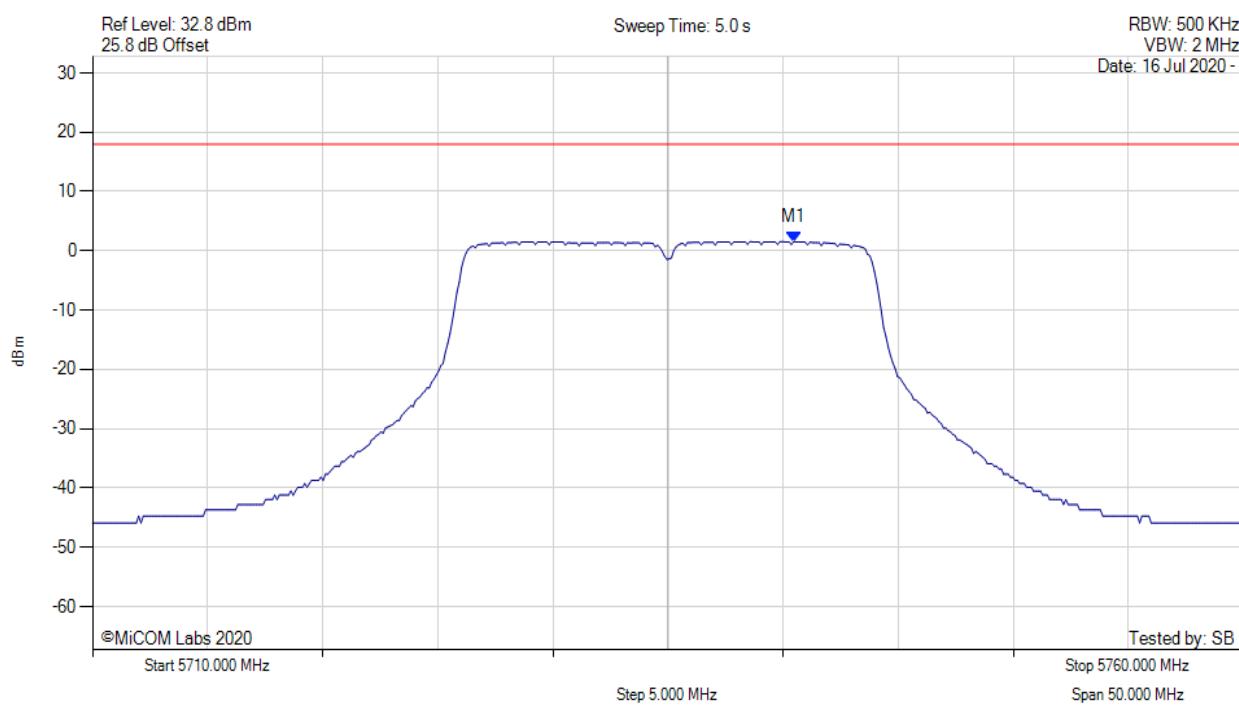


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5224.200 MHz : 11.007 dBm M1 + DCCF : 5224.200 MHz : 11.051 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 17.0 dBm Margin: -6.0 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5735.00 MHz, Chain a, Temp: 20



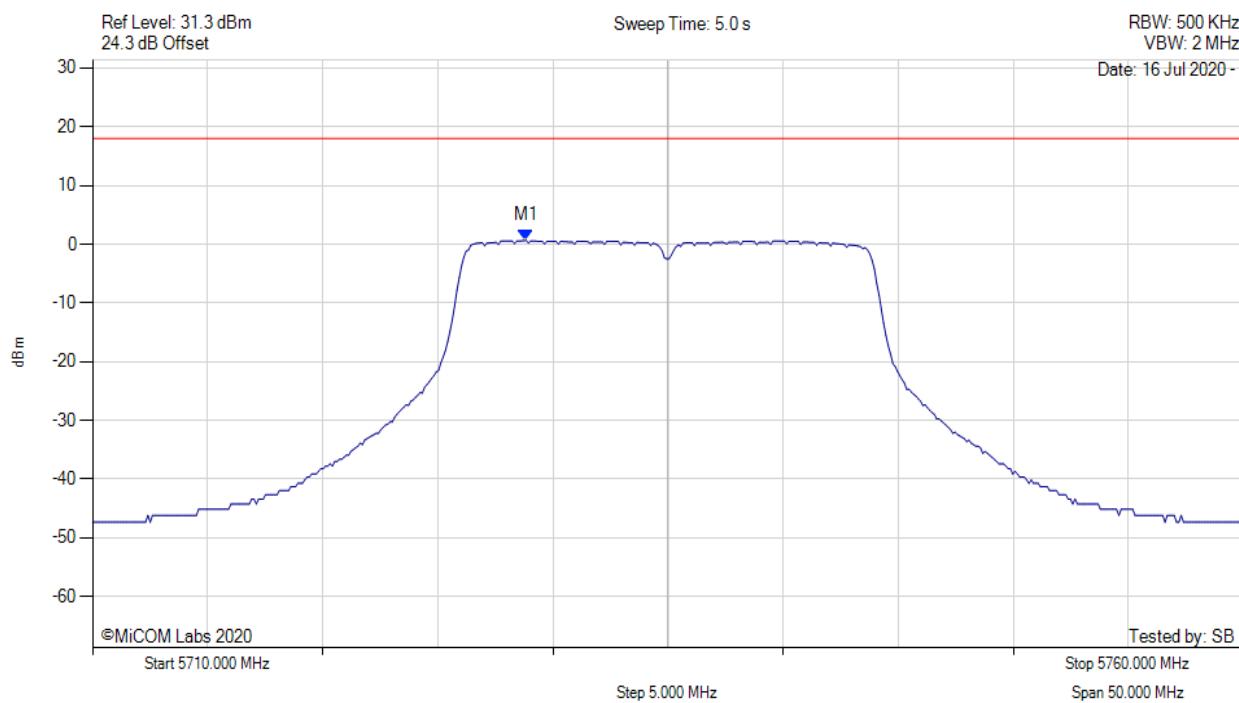
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5740.461 MHz : 1.547 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY



Variant: 20MHz, Channel: 5735.00 MHz, Chain b, Temp: 20

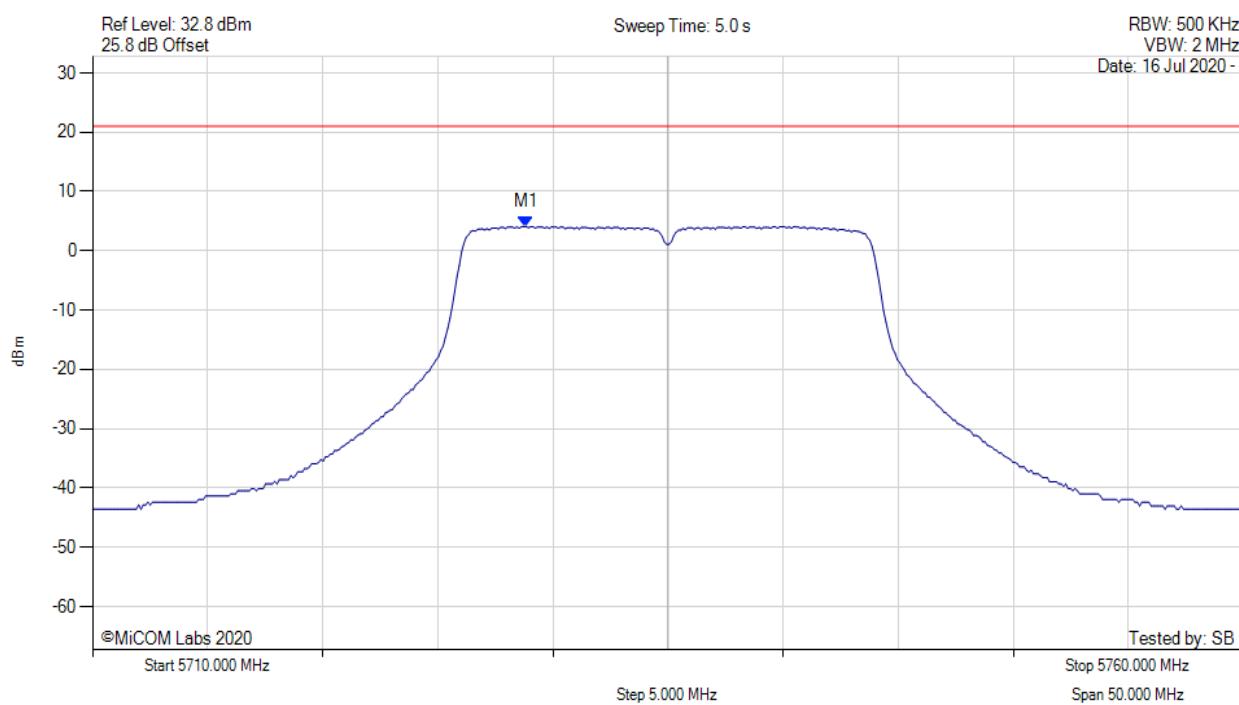


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5728.838 MHz : 0.640 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5735.00 MHz, SUM, Temp: 20

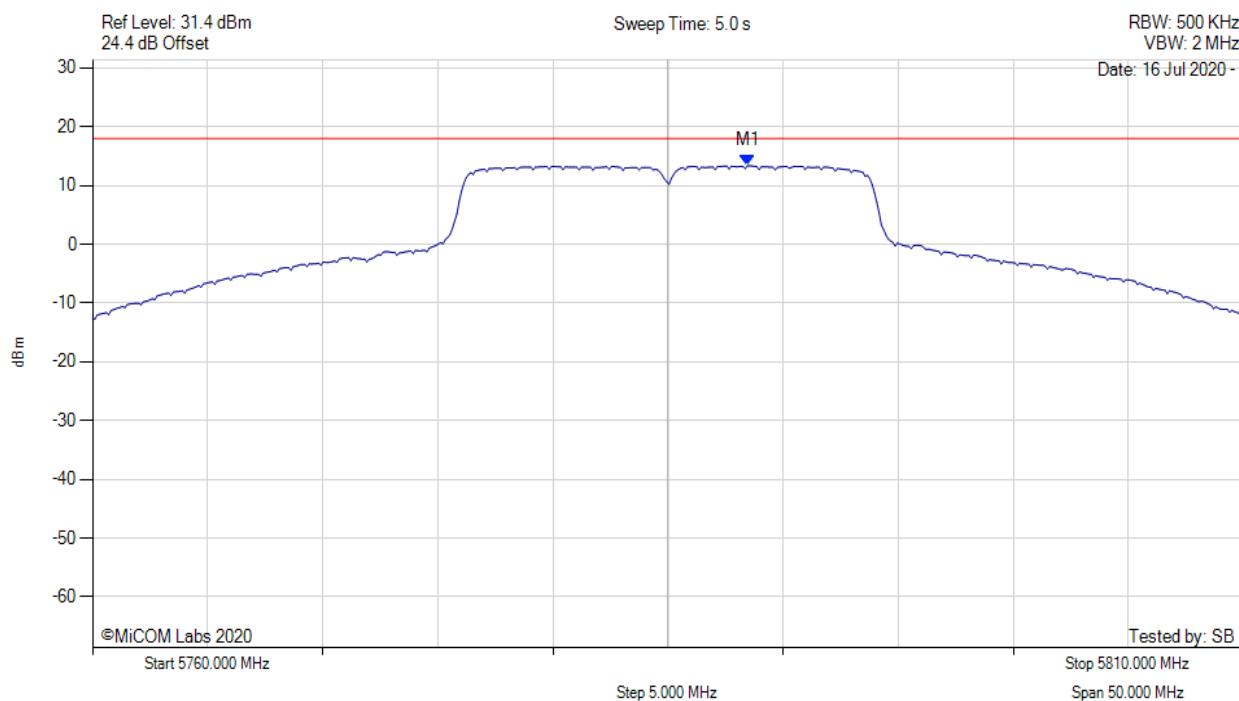


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5728.800 MHz : 4.104 dBm M1 + DCCF : 5728.800 MHz : 4.148 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -16.9 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

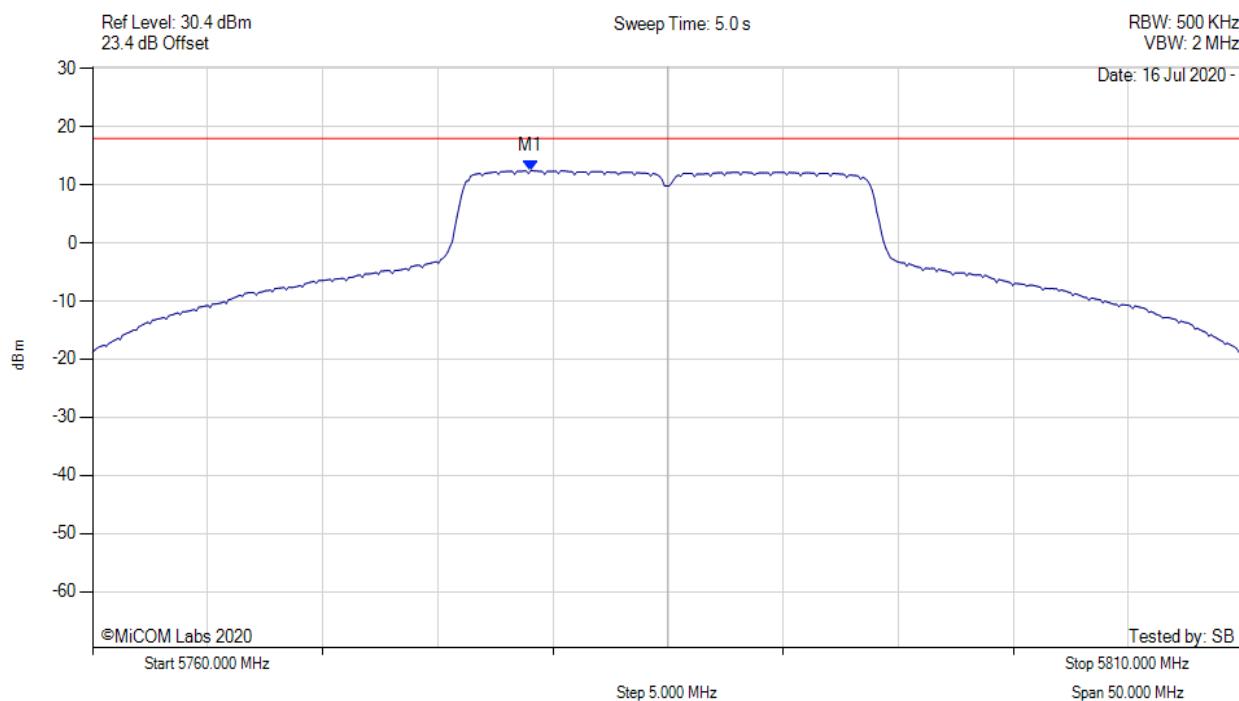


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.457 MHz : 13.368 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

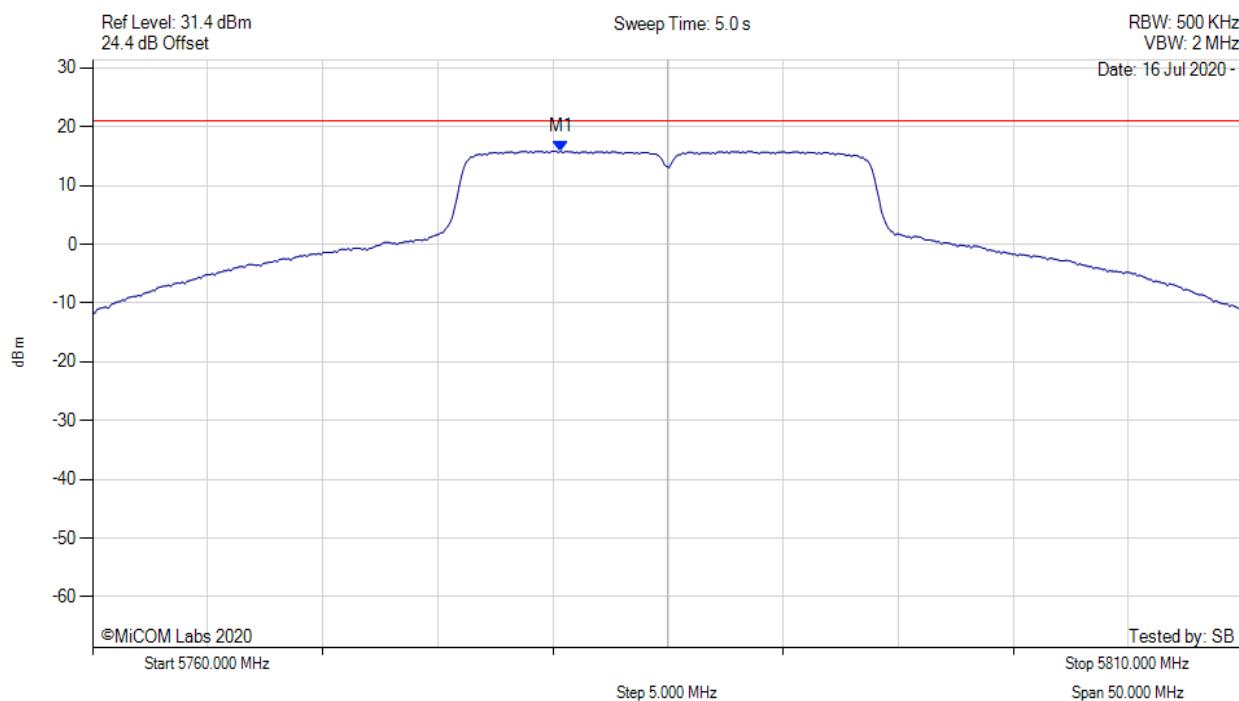


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5779.038 MHz : 12.423 dBm	Channel Frequency: 5785.00 MHz

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5785.00 MHz, SUM, Temp: 20

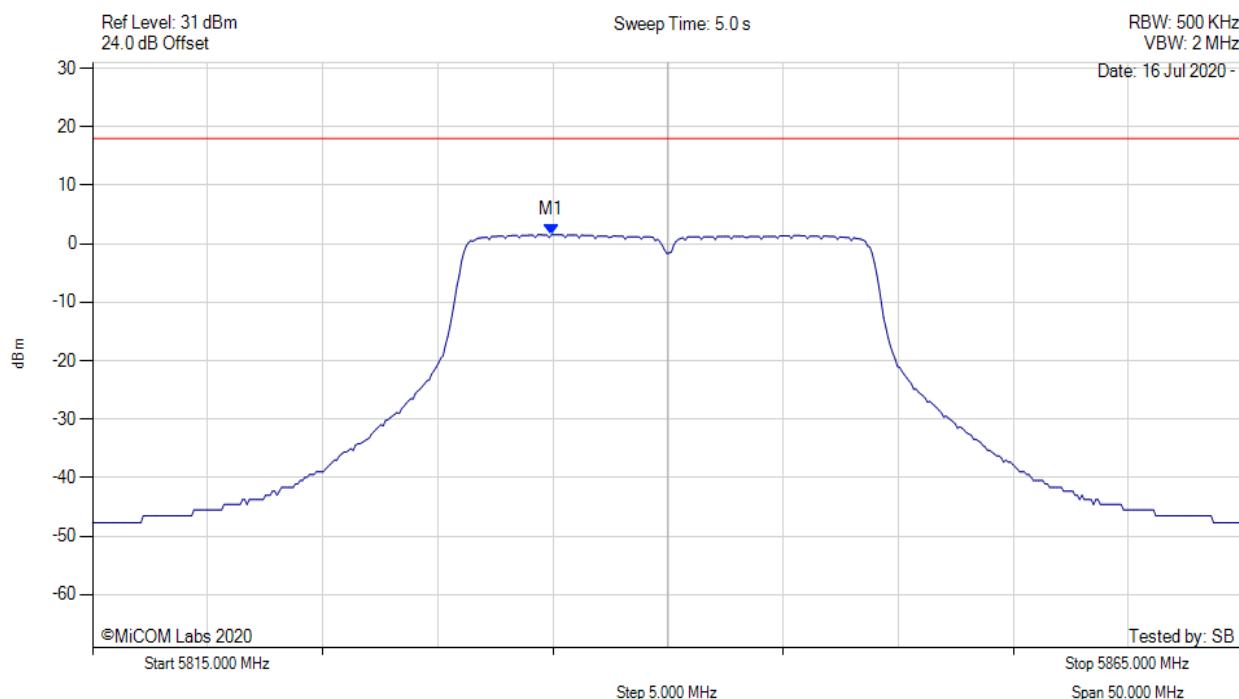


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5780.300 MHz : 15.834 dBm M1 + DCCF : 5780.300 MHz : 15.878 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -5.1 dB

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5840.00 MHz, Chain a, Temp: 20

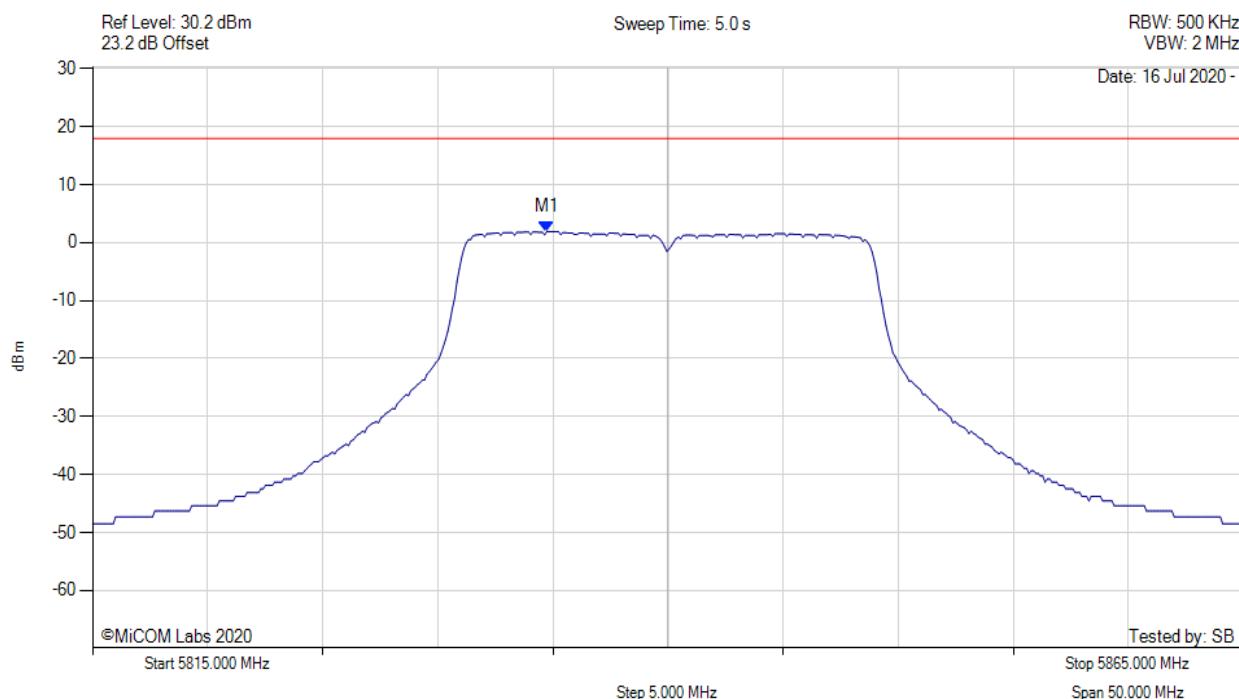


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5834.940 MHz : 1.546 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5840.00 MHz, Chain b, Temp: 20

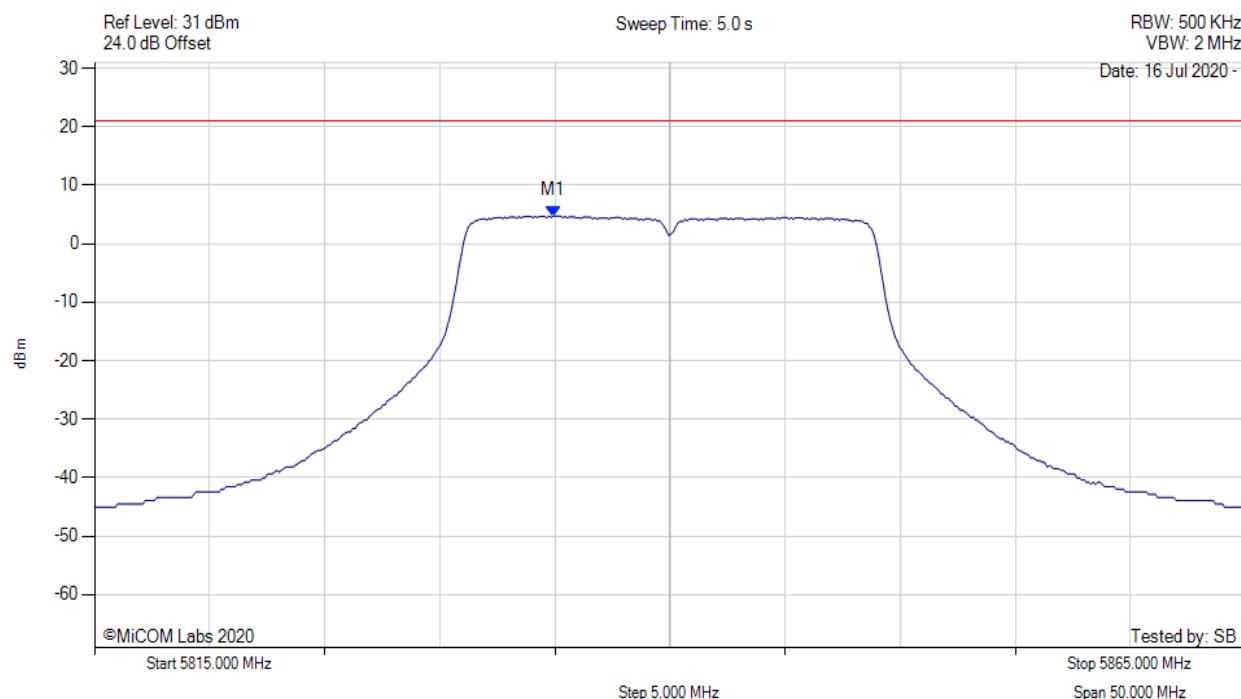


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5834.739 MHz : 1.941 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 20MHz, Channel: 5840.00 MHz, SUM, Temp: 20



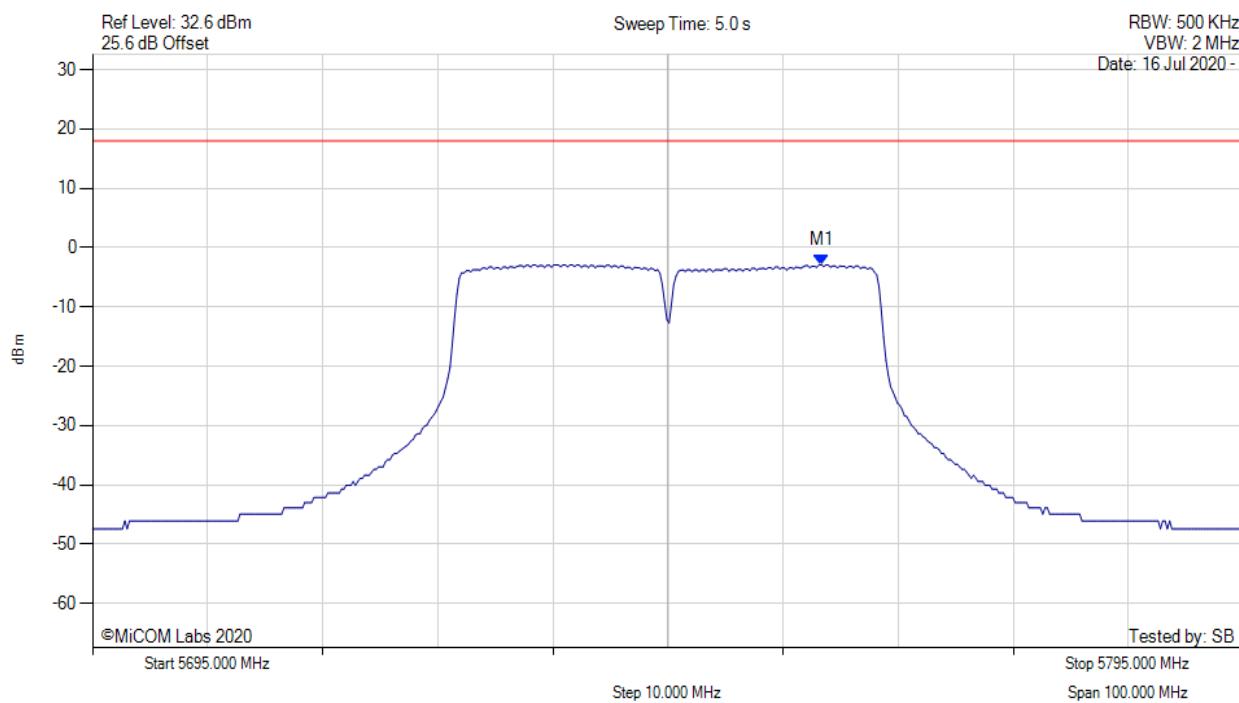
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5834.900 MHz : 4.739 dBm M1 + DCCF : 5834.900 MHz : 4.783 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -16.2 dB

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5745.00 MHz, Chain a, Temp: 20



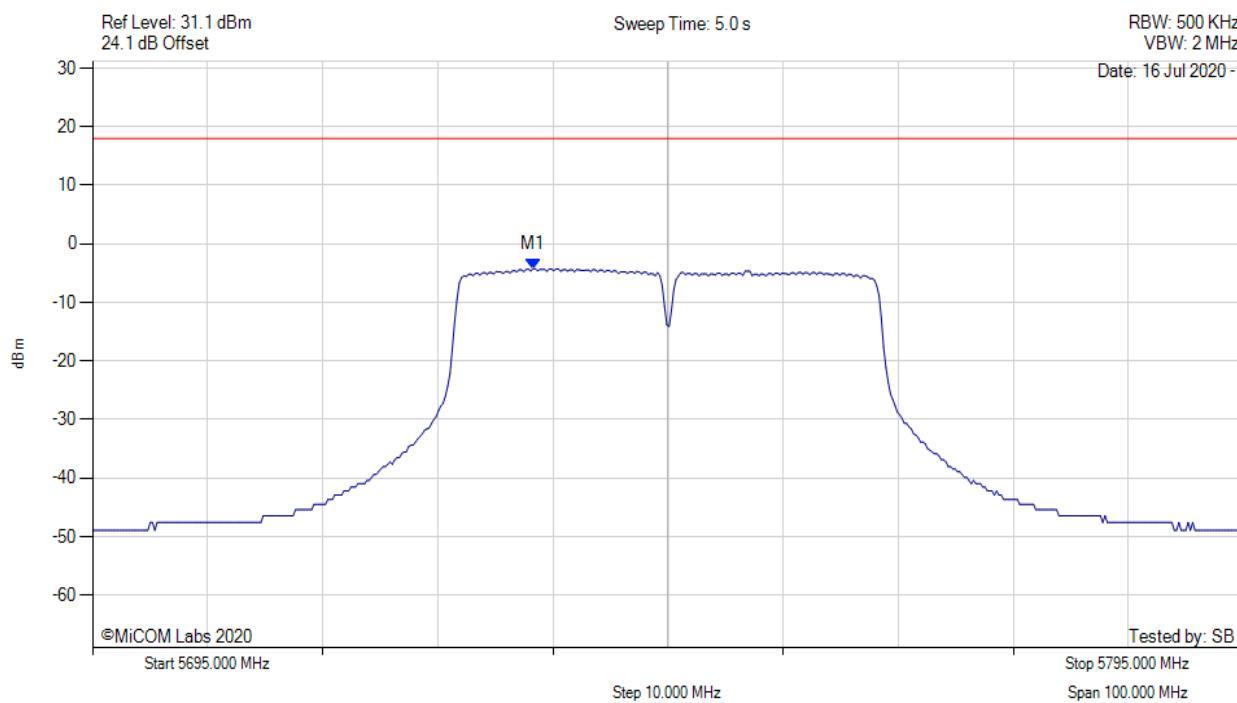
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5758.327 MHz : -2.879 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5745.00 MHz, Chain b, Temp: 20

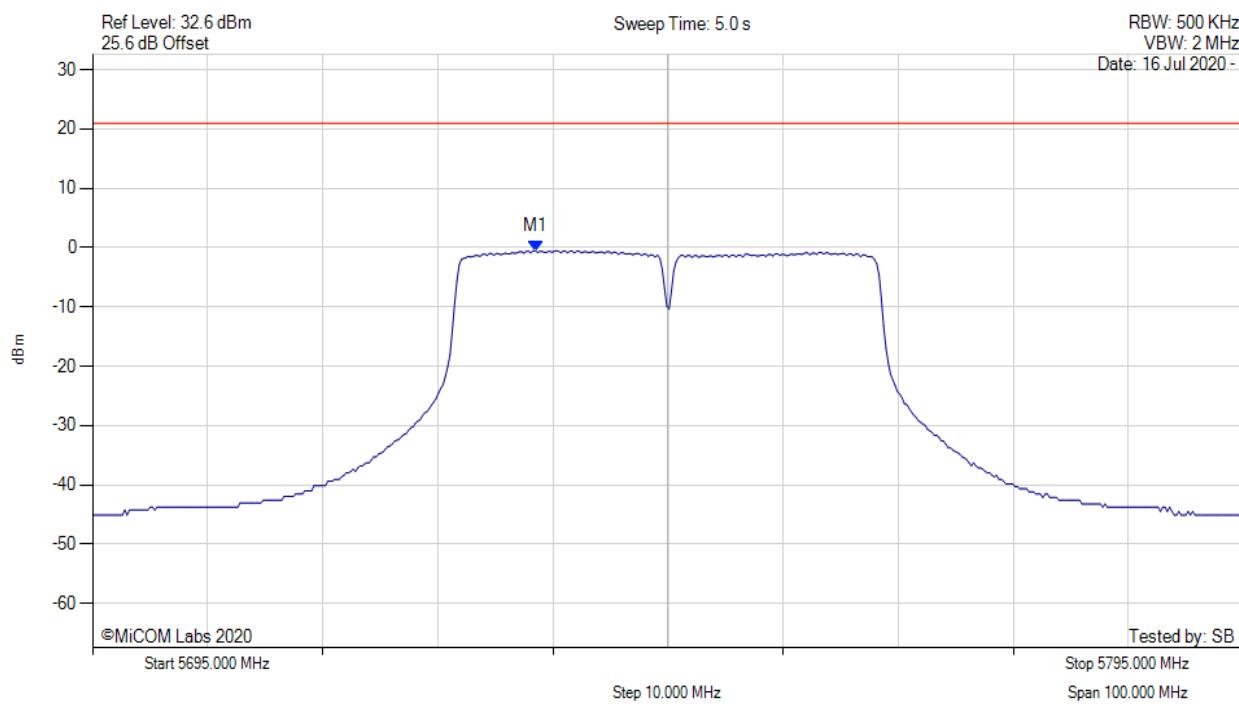


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5733.277 MHz : -4.276 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5745.00 MHz, SUM, Temp: 20

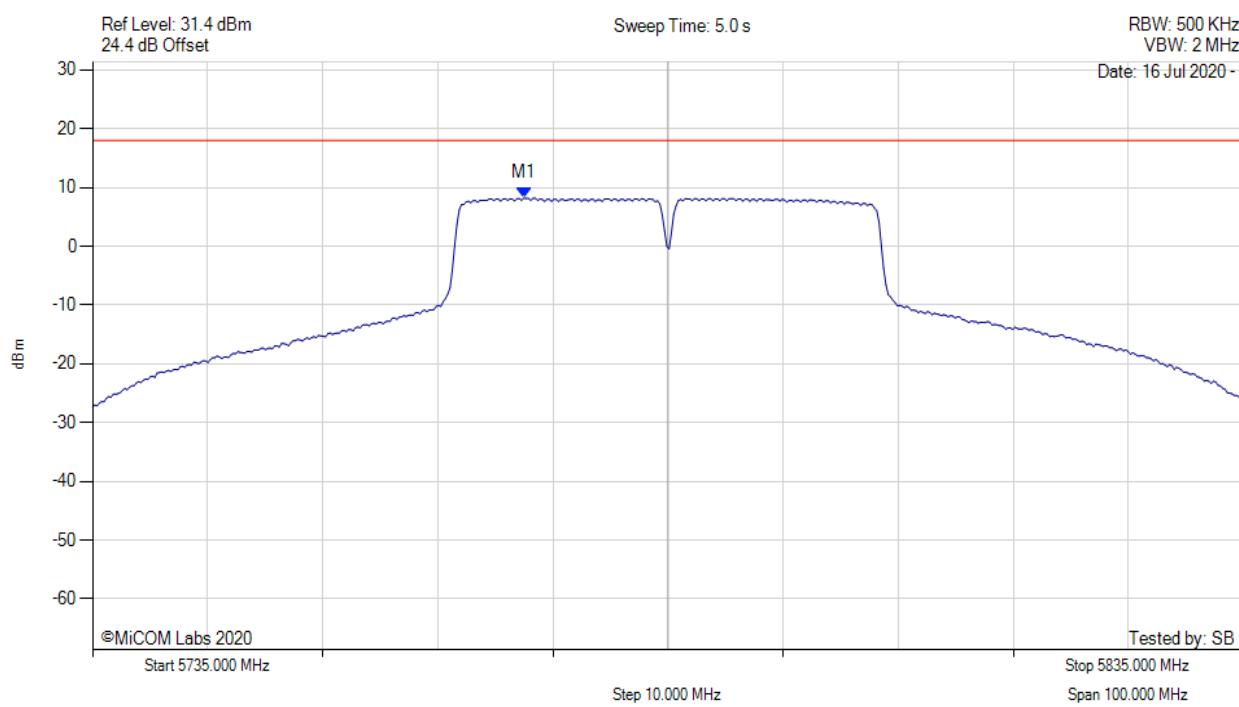


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5733.500 MHz : -0.516 dBm M1 + DCCF : 5733.500 MHz : -0.472 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -21.5 dB

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

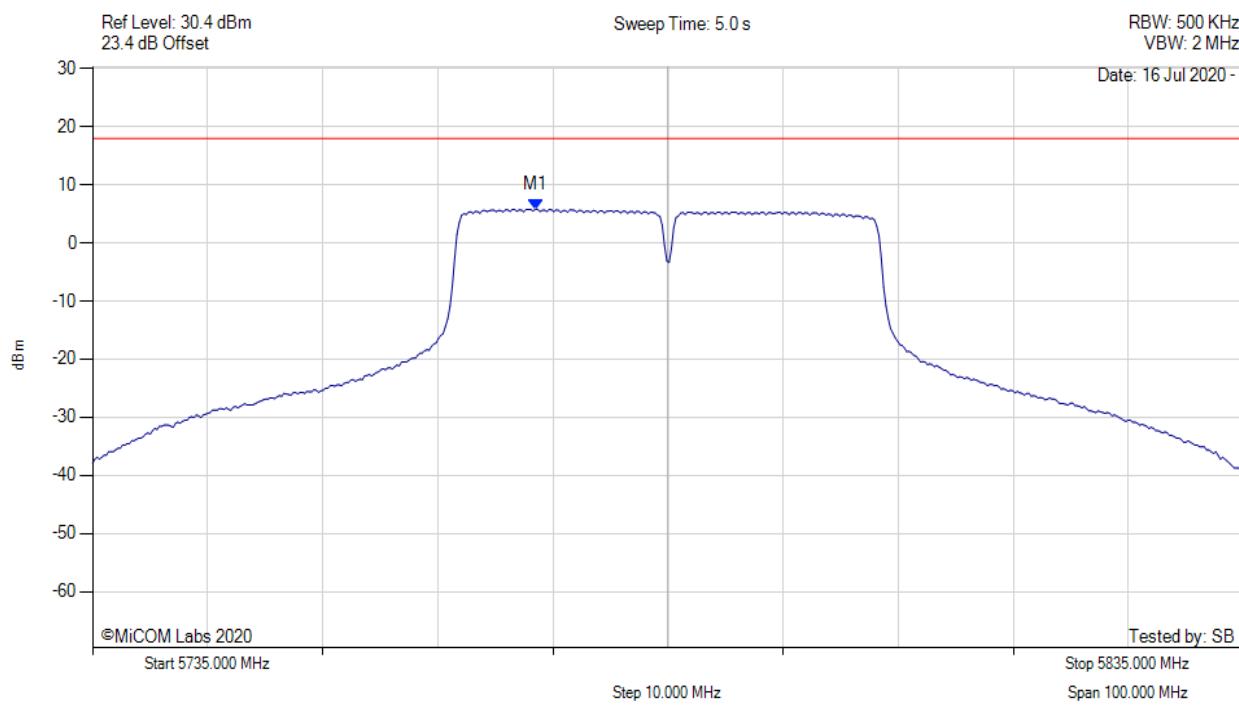


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5772.475 MHz : 8.196 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

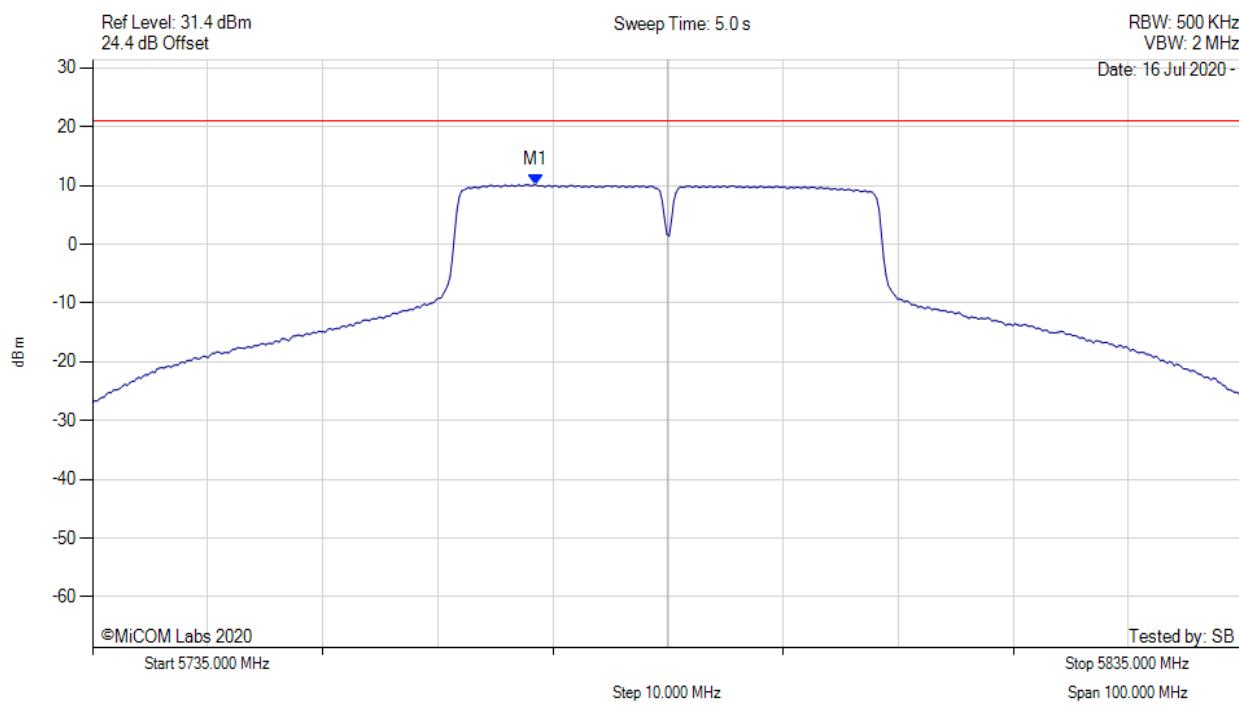


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5773.477 MHz : 5.802 dBm	Channel Frequency: 5785.00 MHz

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5785.00 MHz, SUM, Temp: 20



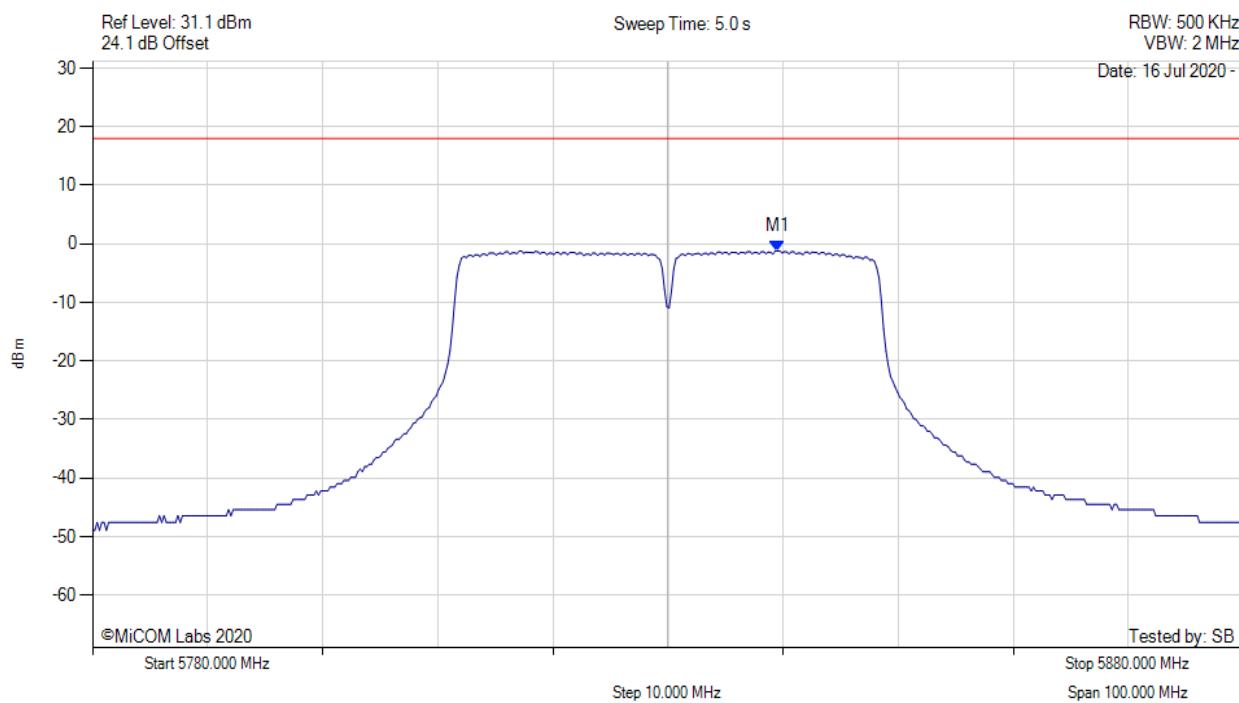
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5773.500 MHz : 10.163 dBm M1 + DCCF : 5773.500 MHz : 10.207 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -10.8 dB

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5830.00 MHz, Chain a, Temp: 20



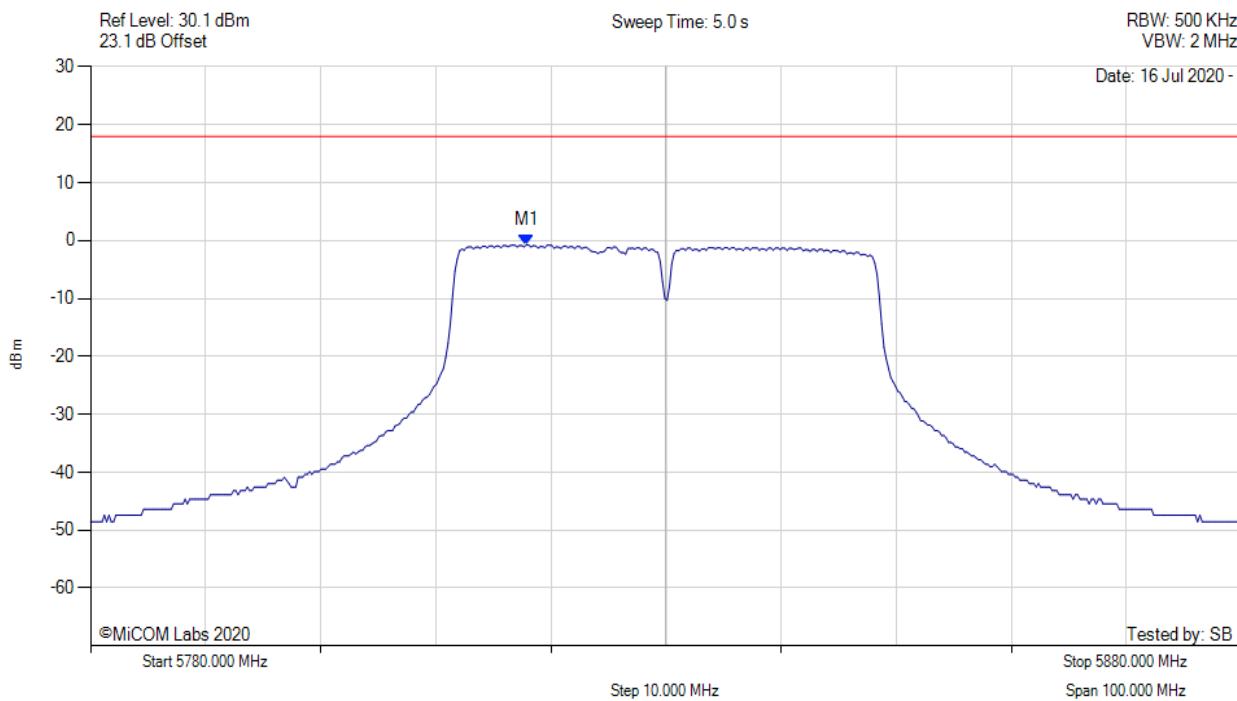
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5839.519 MHz : -1.202 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY



Variant: 40MHz, Channel: 5830.00 MHz, Chain b, Temp: 20

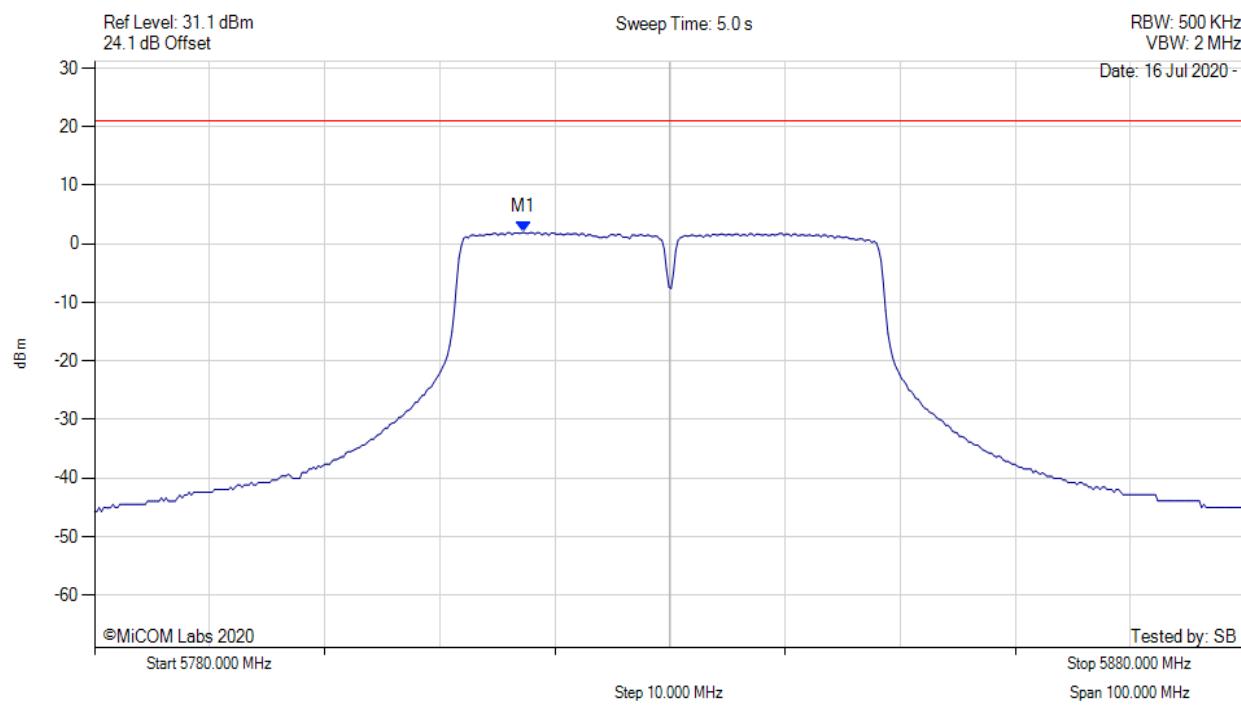


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5817.876 MHz : -0.745 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 40MHz, Channel: 5830.00 MHz, SUM, Temp: 20



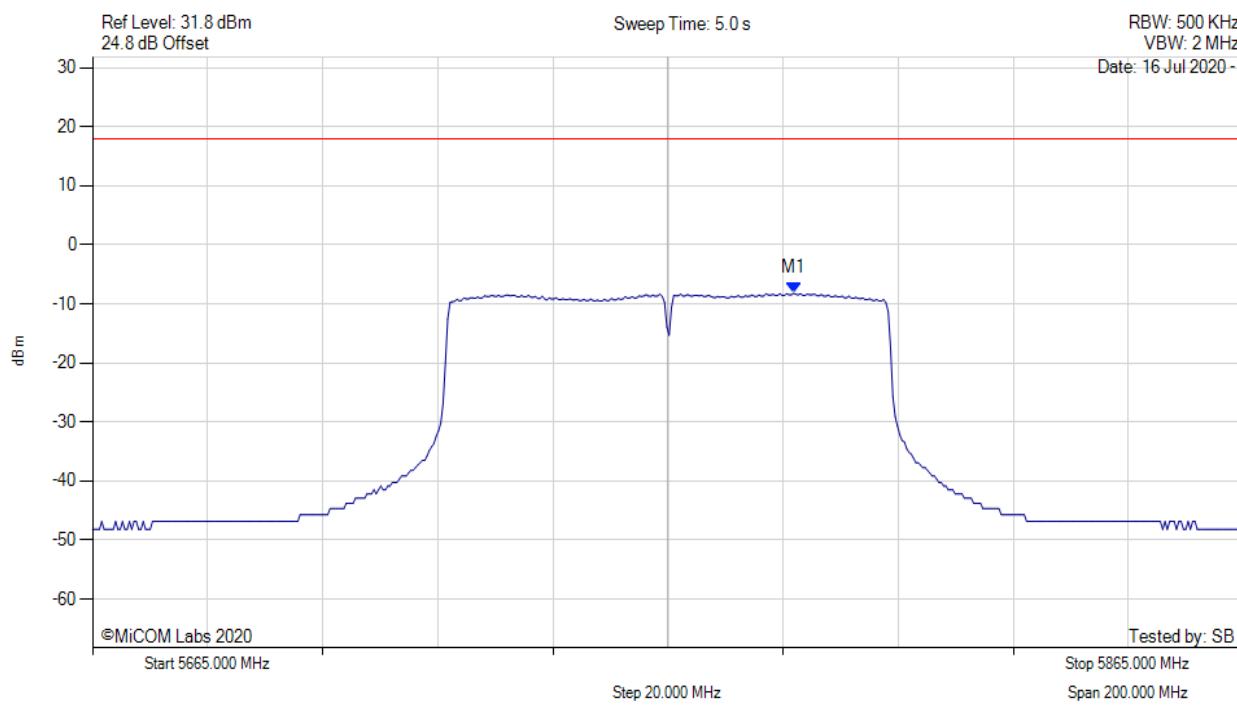
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5817.300 MHz : 1.972 dBm M1 + DCCF : 5817.300 MHz : 2.016 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -19.0 dB

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5765.00 MHz, Chain a, Temp: 20



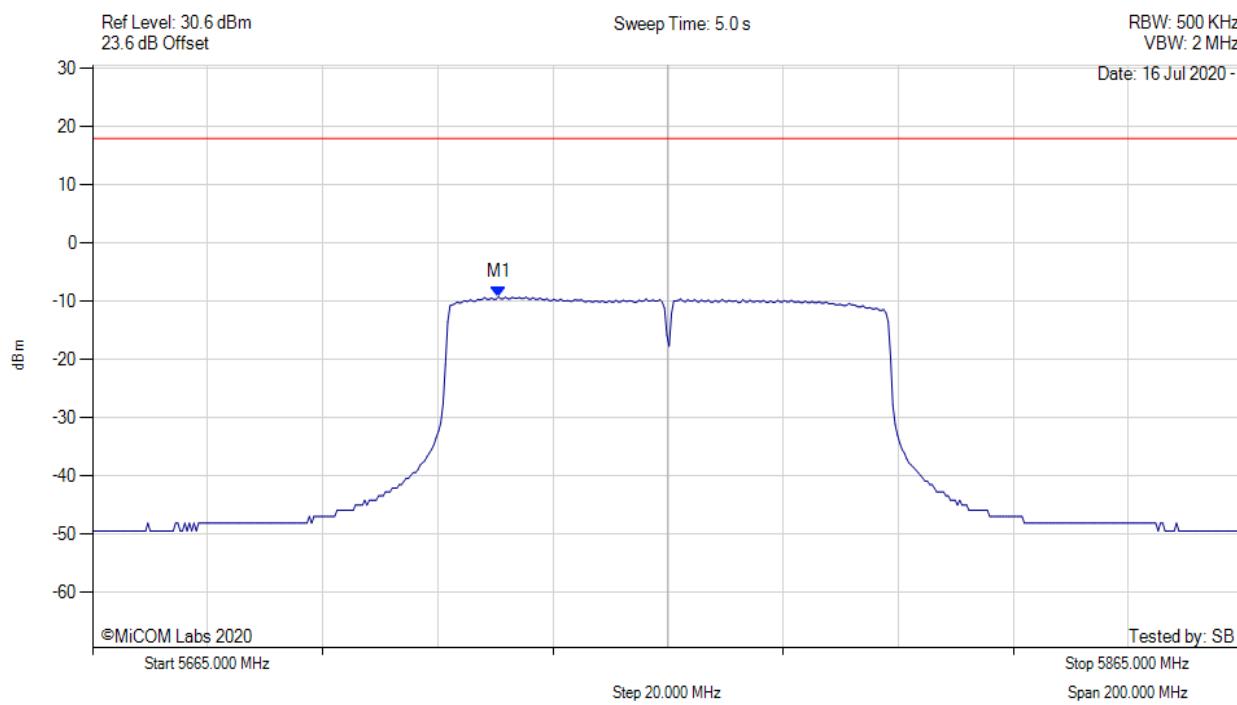
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5786.844 MHz : -8.188 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5765.00 MHz, Chain b, Temp: 20

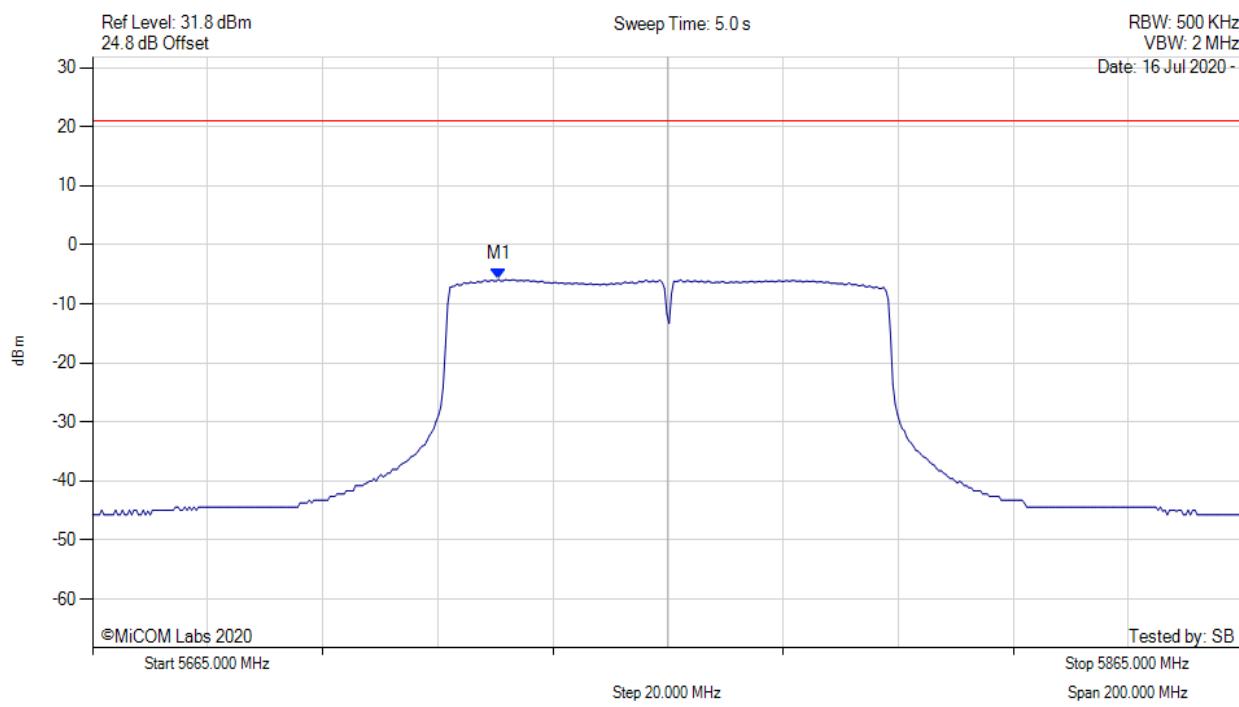


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5735.541 MHz : -9.202 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5765.00 MHz, SUM, Temp: 20

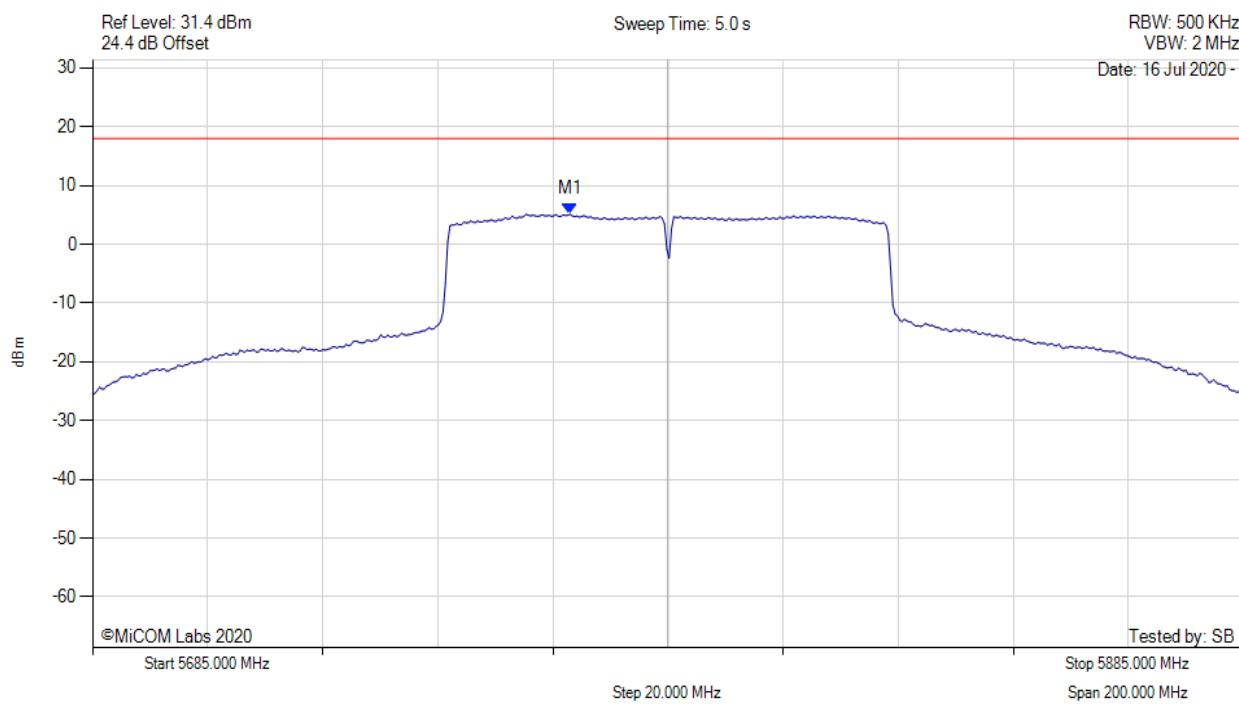


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5735.500 MHz : -5.849 dBm M1 + DCCF : 5735.500 MHz : -5.805 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -26.8 dB

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5785.00 MHz, Chain a, Temp: 20

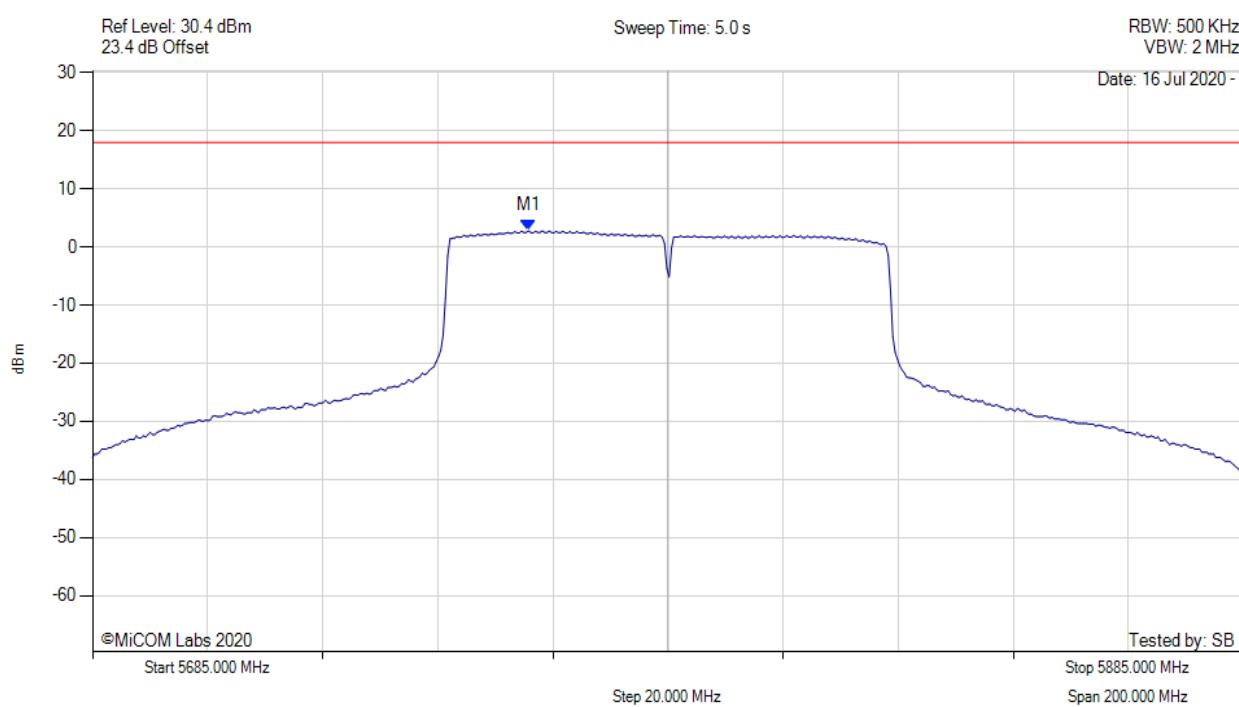


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5767.966 MHz : 5.124 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5785.00 MHz, Chain b, Temp: 20

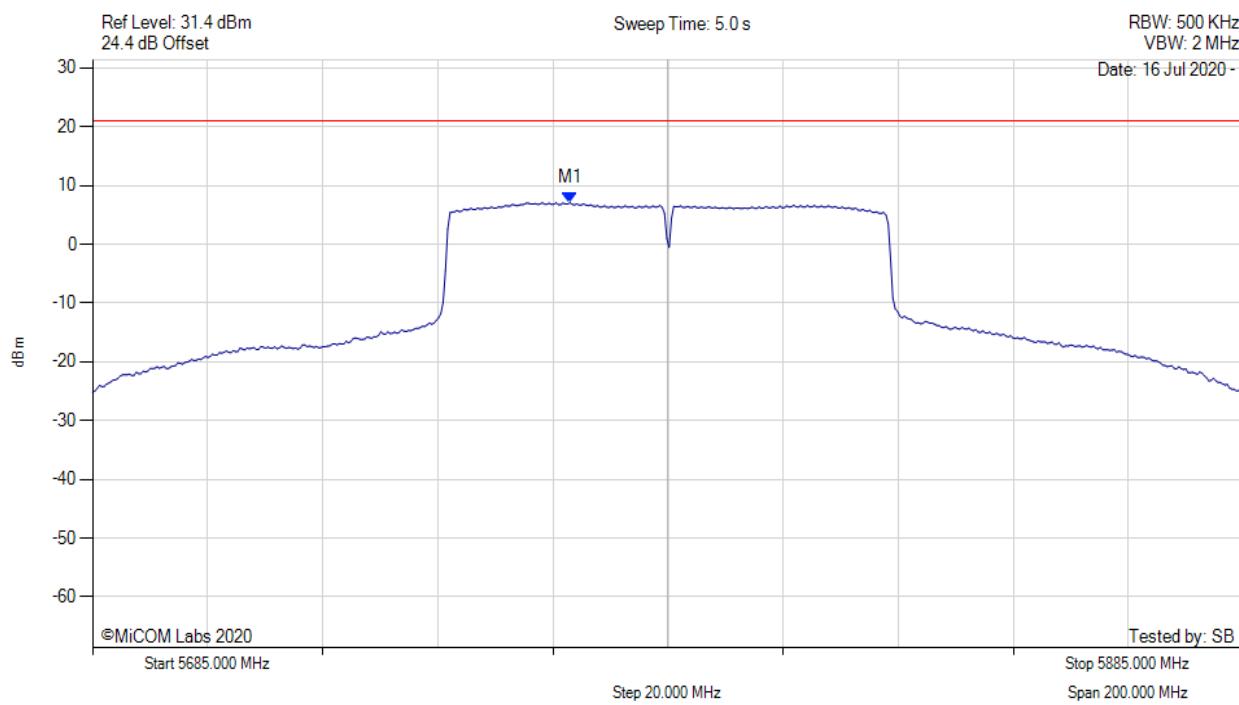


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5760.752 MHz : 2.766 dBm	Channel Frequency: 5785.00 MHz

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5785.00 MHz, SUM, Temp: 20



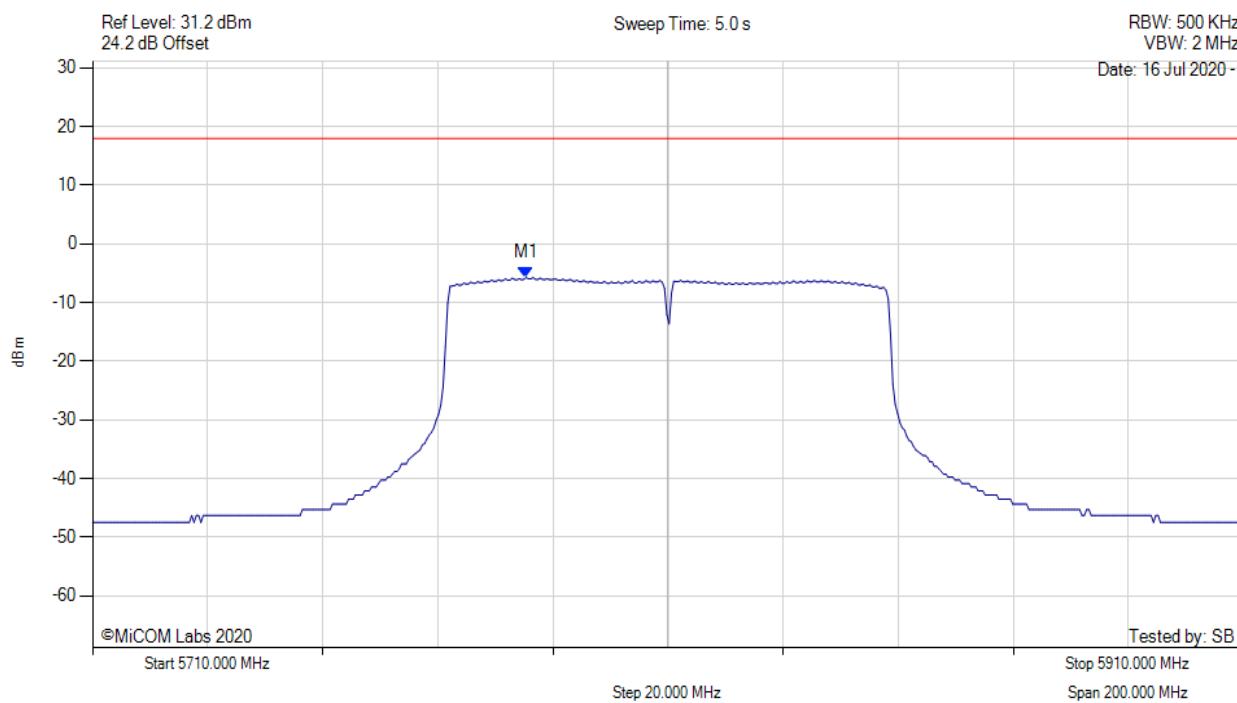
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5768.000 MHz : 7.071 dBm M1 + DCCF : 5768.000 MHz : 7.115 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -13.9 dB

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5810.00 MHz, Chain a, Temp: 20



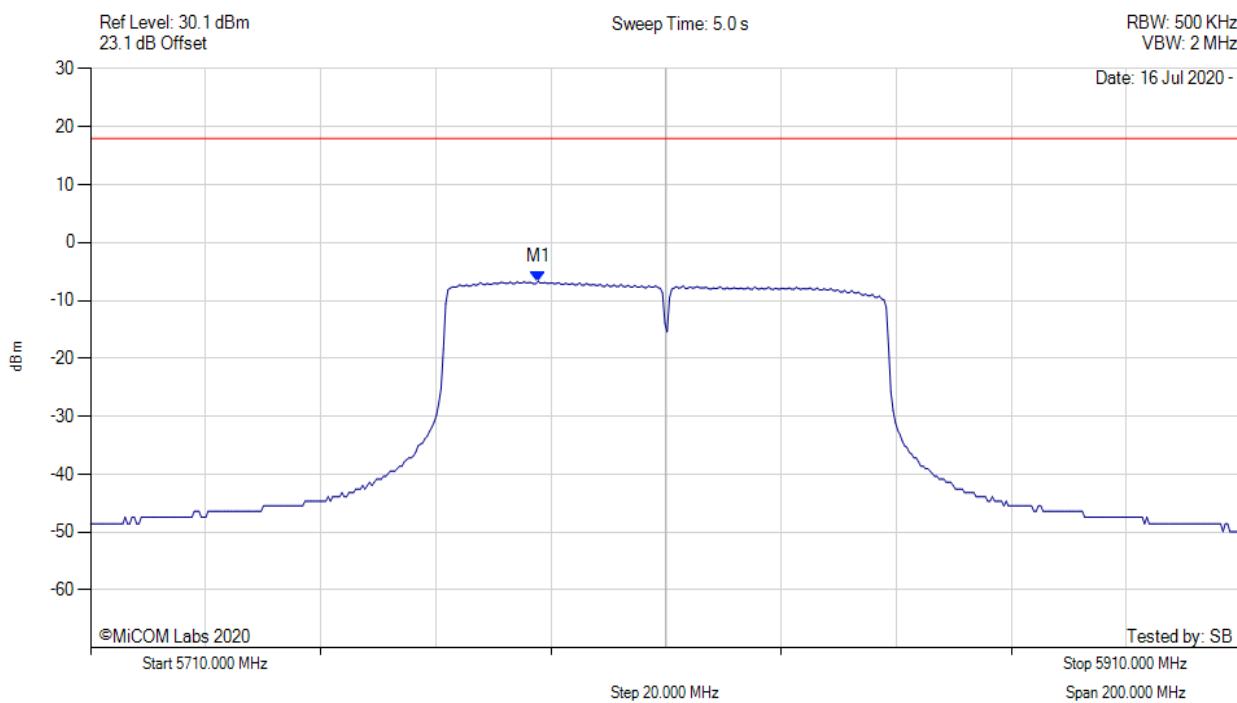
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5785.351 MHz : -5.716 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY



Variant: 80MHz, Channel: 5810.00 MHz, Chain b, Temp: 20

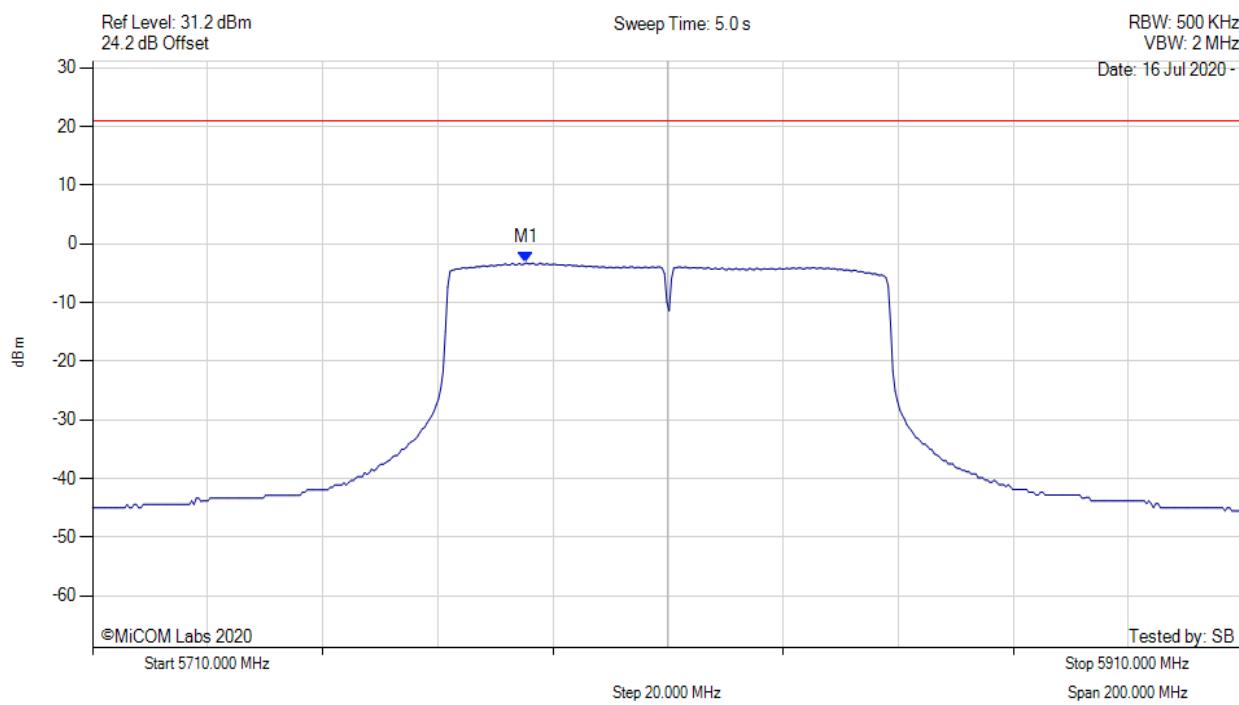


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.756 MHz : -6.725 dBm	Limit: ≤ 17.990 dBm

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POWER SPECTRAL DENSITY

Variant: 80MHz, Channel: 5810.00 MHz, SUM, Temp: 20



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5785.400 MHz : -3.208 dBm M1 + DCCF : 5785.400 MHz : -3.164 dBm Duty Cycle Correction Factor : +0.04 dB	Limit: ≤ 21.0 dBm Margin: -24.2 dB

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