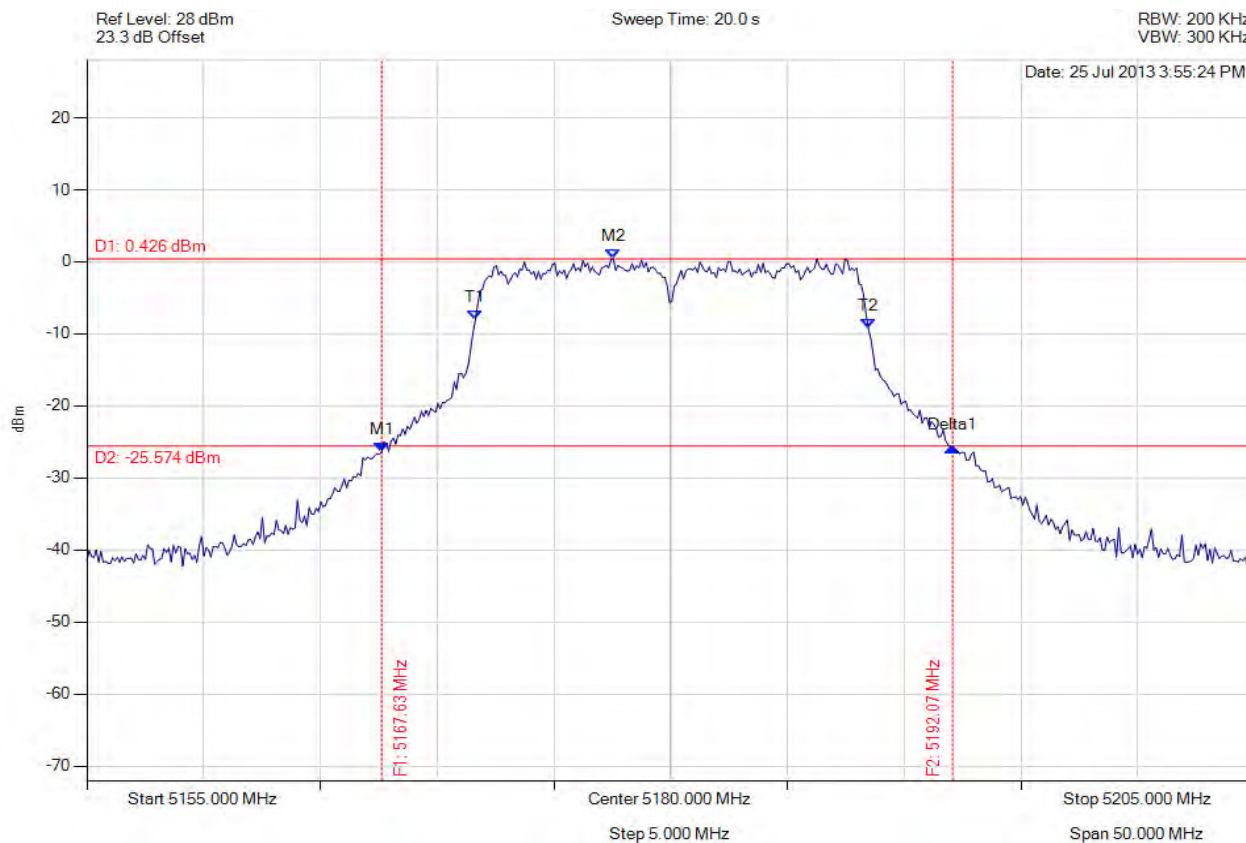


### A.1.1. 26 dB & 99% Bandwidth



#### 26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5167.625 MHz : -26.427 dBm M2 : 5177.545 MHz : 0.426 dBm Delta1 : 24.449 MHz : 0.759 dB T1 : 5171.633 MHz : -8.083 dBm T2 : 5188.467 MHz : -9.222 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.449 MHz Measured 99% Bandwidth: 16.834 MHz

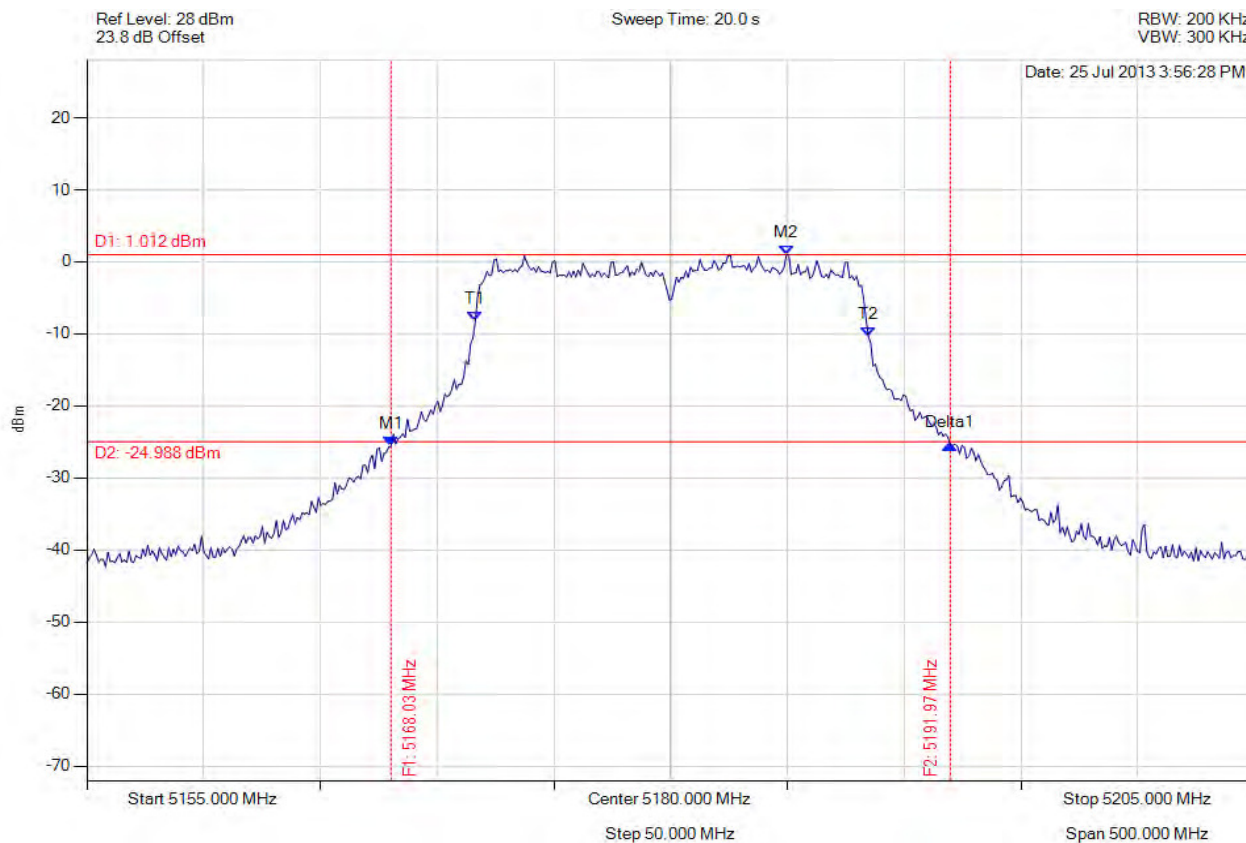
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5168.026 MHz : -25.603 dBm M2 : 5184.960 MHz : 1.012 dBm Delta1 : 23.948 MHz : 0.169 dB T1 : 5171.633 MHz : -8.203 dBm T2 : 5188.467 MHz : -10.363 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 16.834 MHz

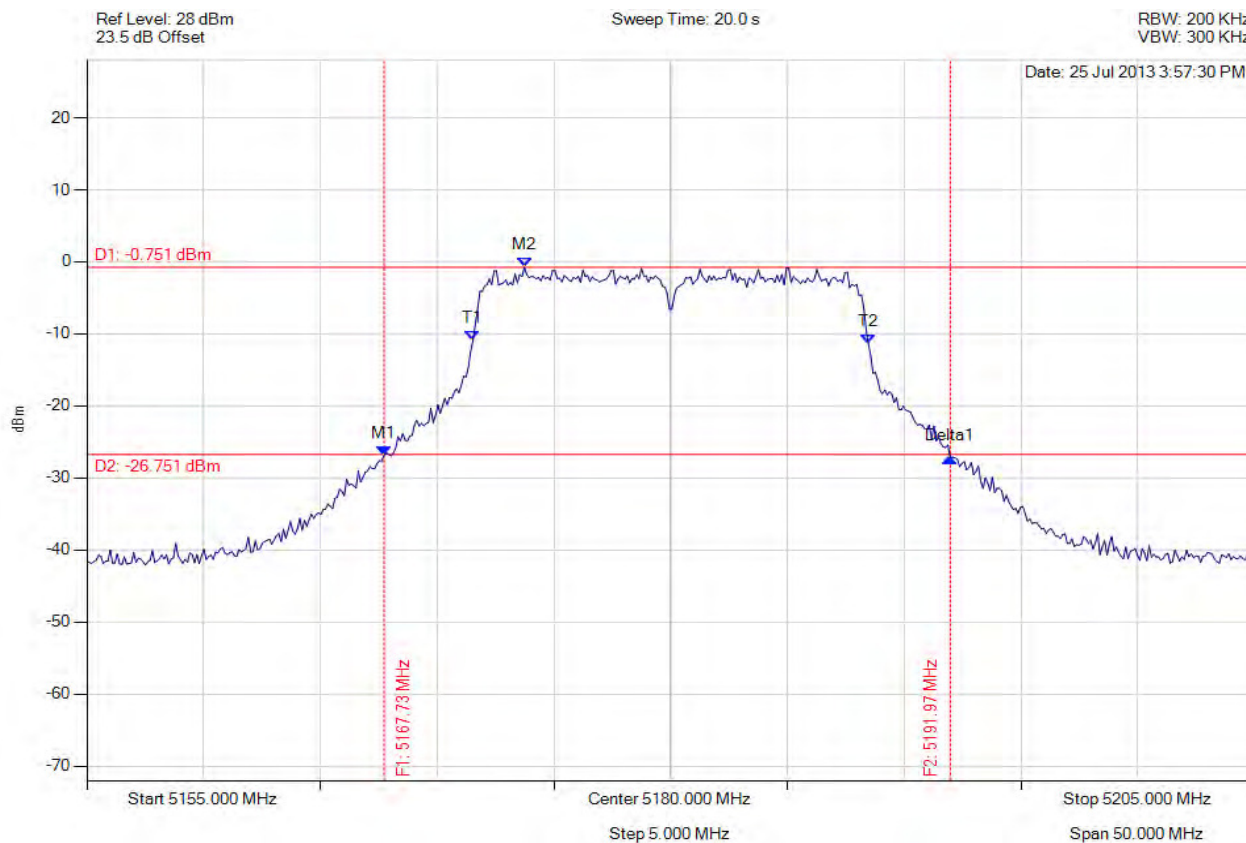
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5167.725 MHz : -26.836 dBm M2 : 5173.737 MHz : -0.751 dBm Delta1 : 24.248 MHz : -0.329 dB T1 : 5171.533 MHz : -10.928 dBm T2 : 5188.467 MHz : -11.396 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 16.934 MHz

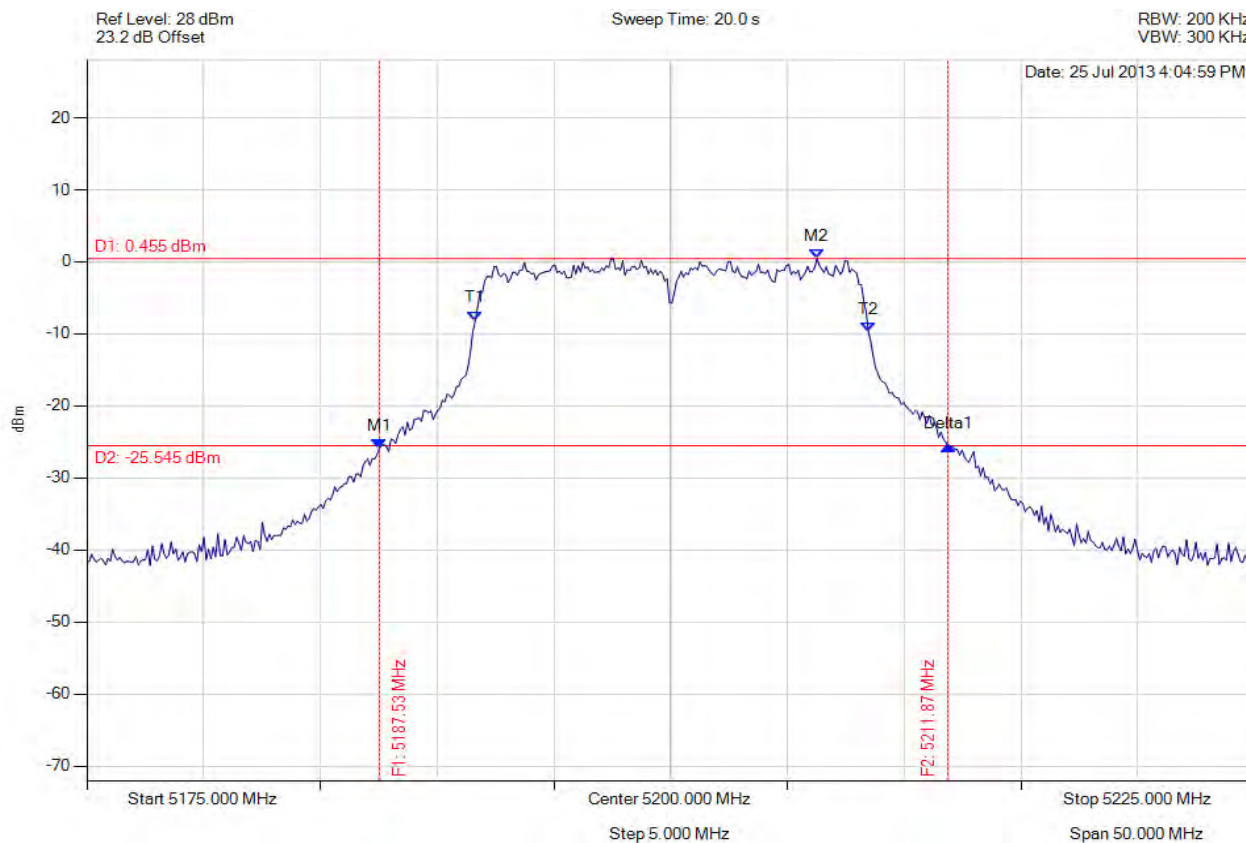
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5187.525 MHz : -25.919 dBm M2 : 5206.263 MHz : 0.455 dBm Delta1 : 24.349 MHz : 0.323 dB T1 : 5191.633 MHz : -8.125 dBm T2 : 5208.467 MHz : -9.641 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.349 MHz Measured 99% Bandwidth: 16.834 MHz

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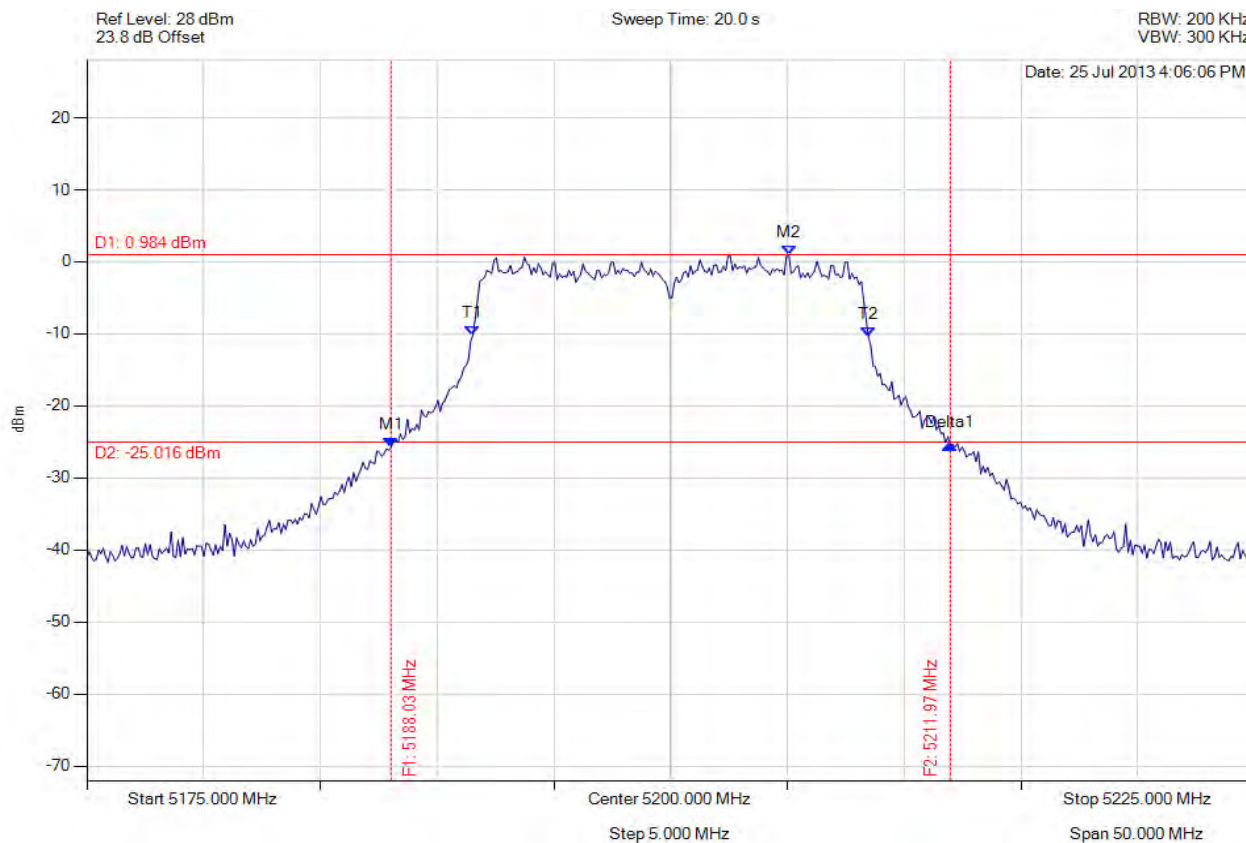
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5188.026 MHz : -25.768 dBm M2 : 5205.060 MHz : 0.984 dBm Delta1 : 23.948 MHz : 0.368 dB T1 : 5191.533 MHz : -10.175 dBm T2 : 5208.467 MHz : -10.332 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 16.934 MHz

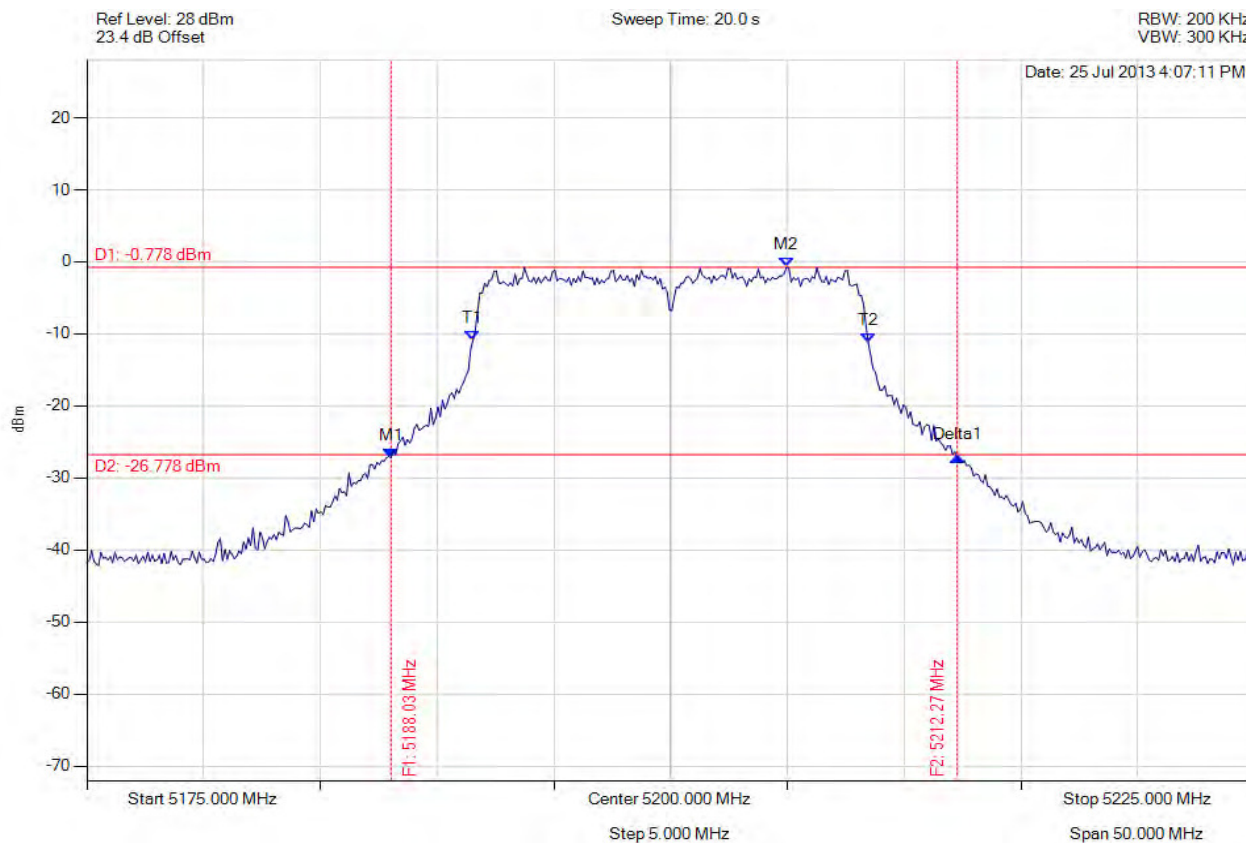
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5188.026 MHz : -27.200 dBm M2 : 5204.960 MHz : -0.778 dBm Delta1 : 24.248 MHz : 0.216 dB T1 : 5191.533 MHz : -10.912 dBm T2 : 5208.467 MHz : -11.274 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 16.934 MHz

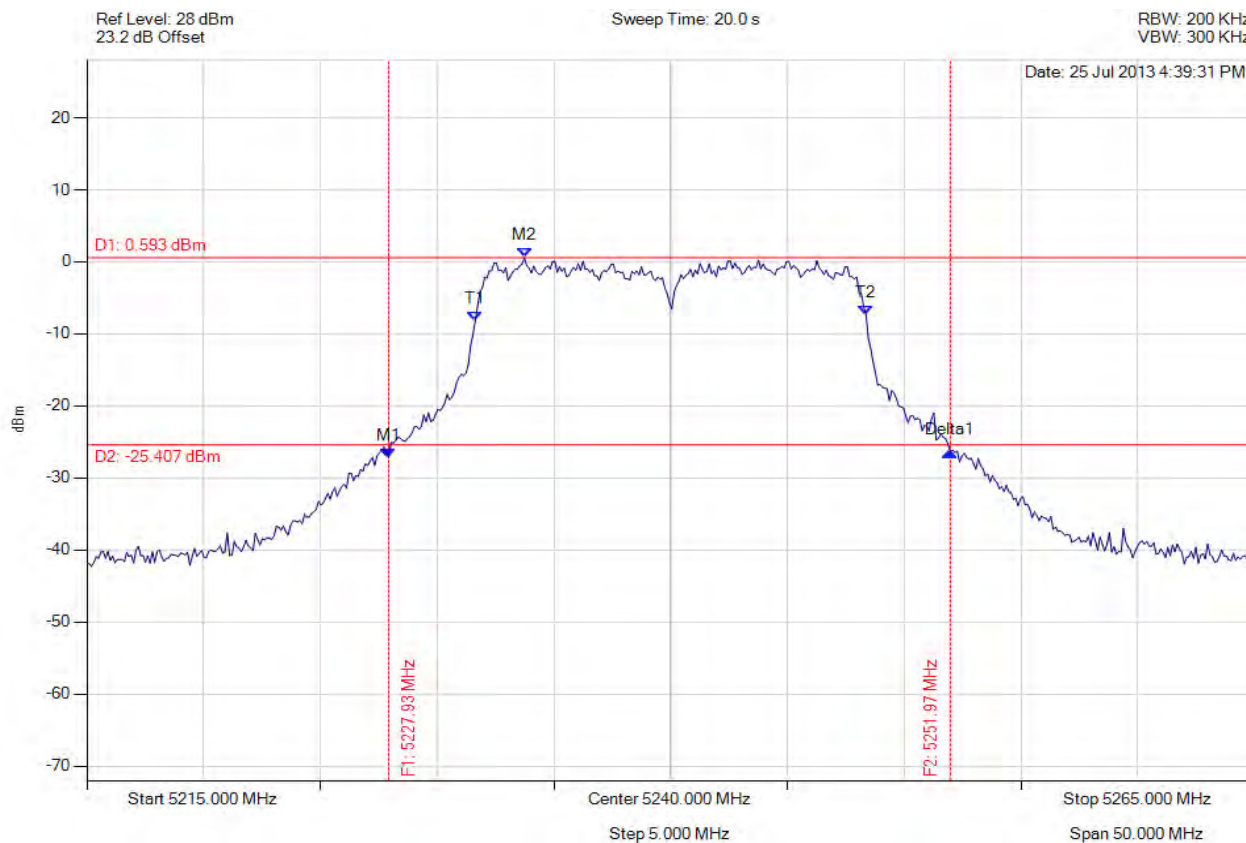
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.926 MHz : -27.192 dBm M2 : 5233.737 MHz : 0.593 dBm Delta1 : 24.048 MHz : 0.856 dB T1 : 5231.633 MHz : -8.156 dBm T2 : 5248.367 MHz : -7.365 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 16.733 MHz

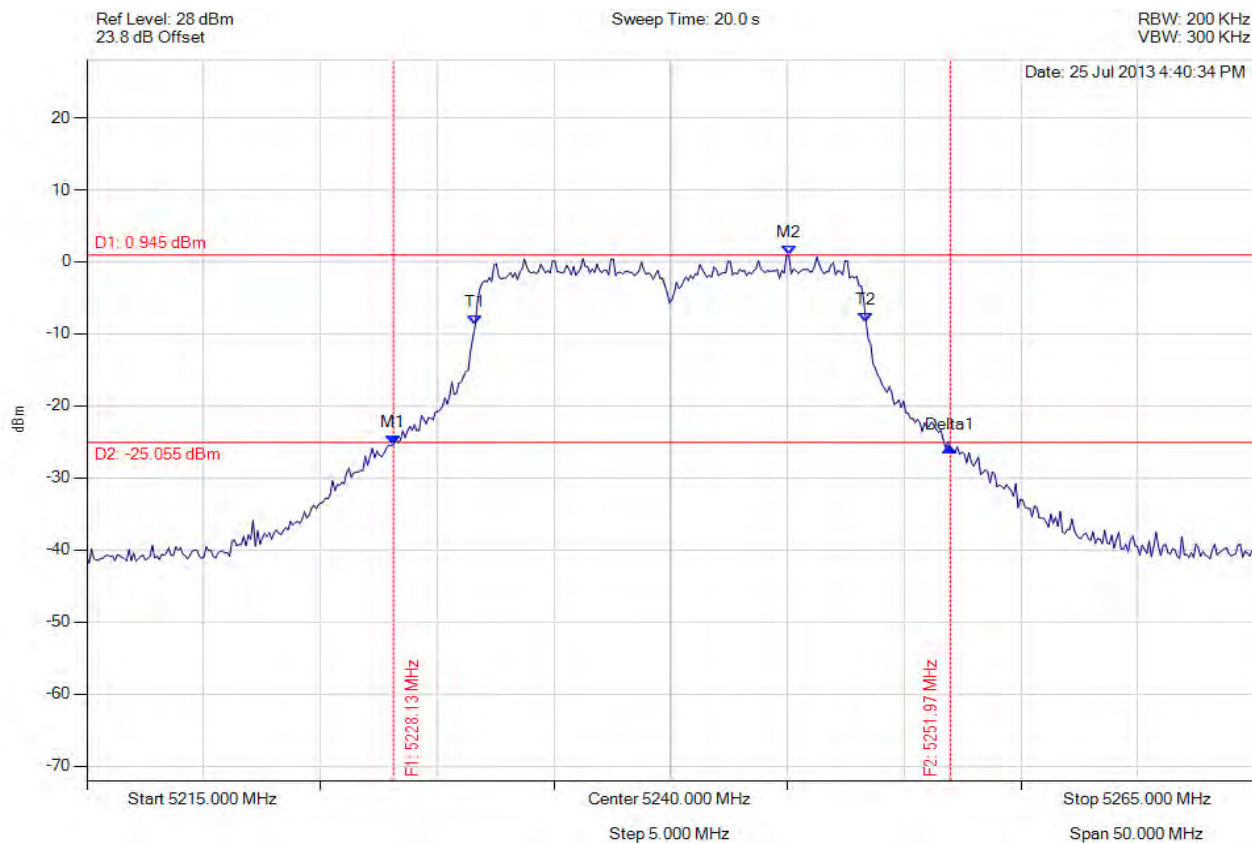
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5228.126 MHz : -25.390 dBm M2 : 5245.060 MHz : 0.945 dBm Delta1 : 23.848 MHz : -0.350 dB T1 : 5231.633 MHz : -8.736 dBm T2 : 5248.367 MHz : -8.339 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 16.733 MHz

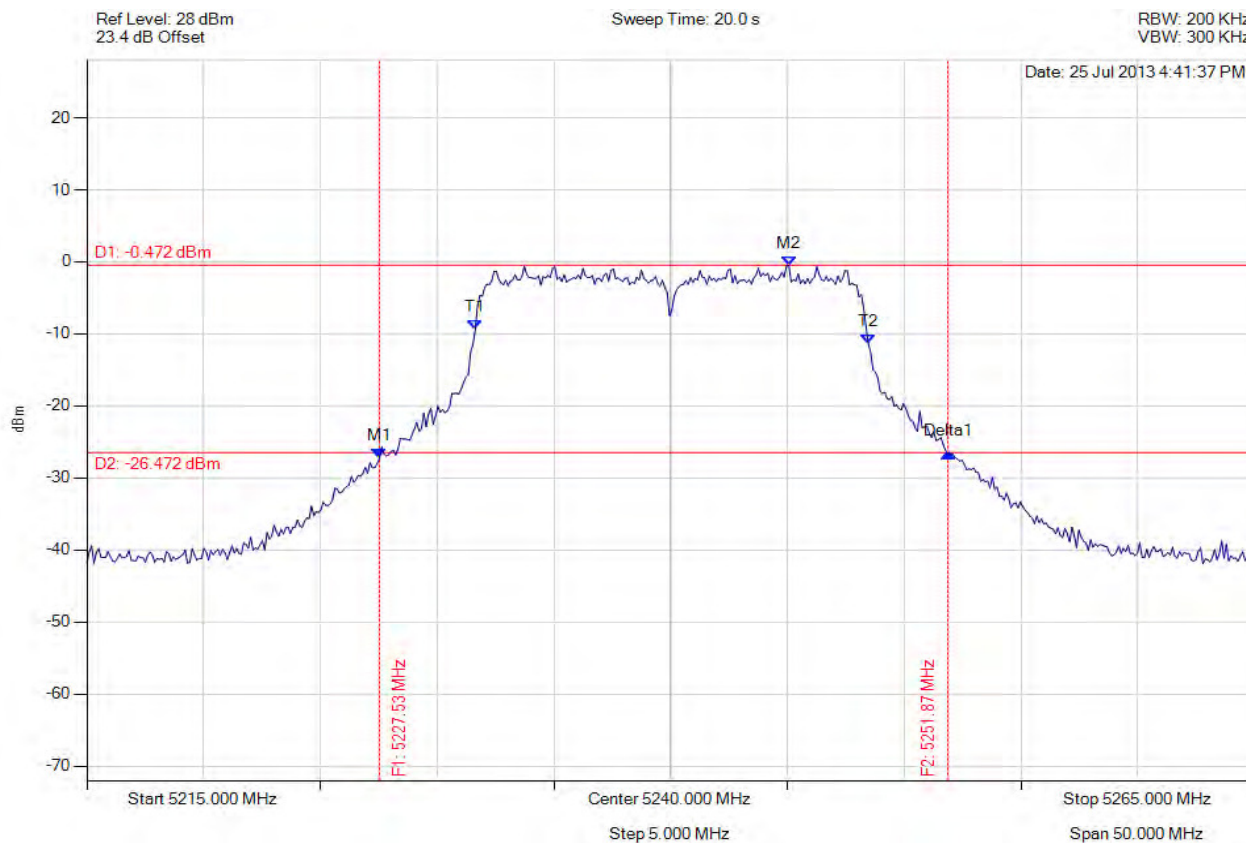
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.525 MHz : -27.287 dBm M2 : 5245.060 MHz : -0.472 dBm Delta1 : 24.349 MHz : 0.708 dB T1 : 5231.633 MHz : -9.411 dBm T2 : 5248.467 MHz : -11.386 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.349 MHz Measured 99% Bandwidth: 16.834 MHz

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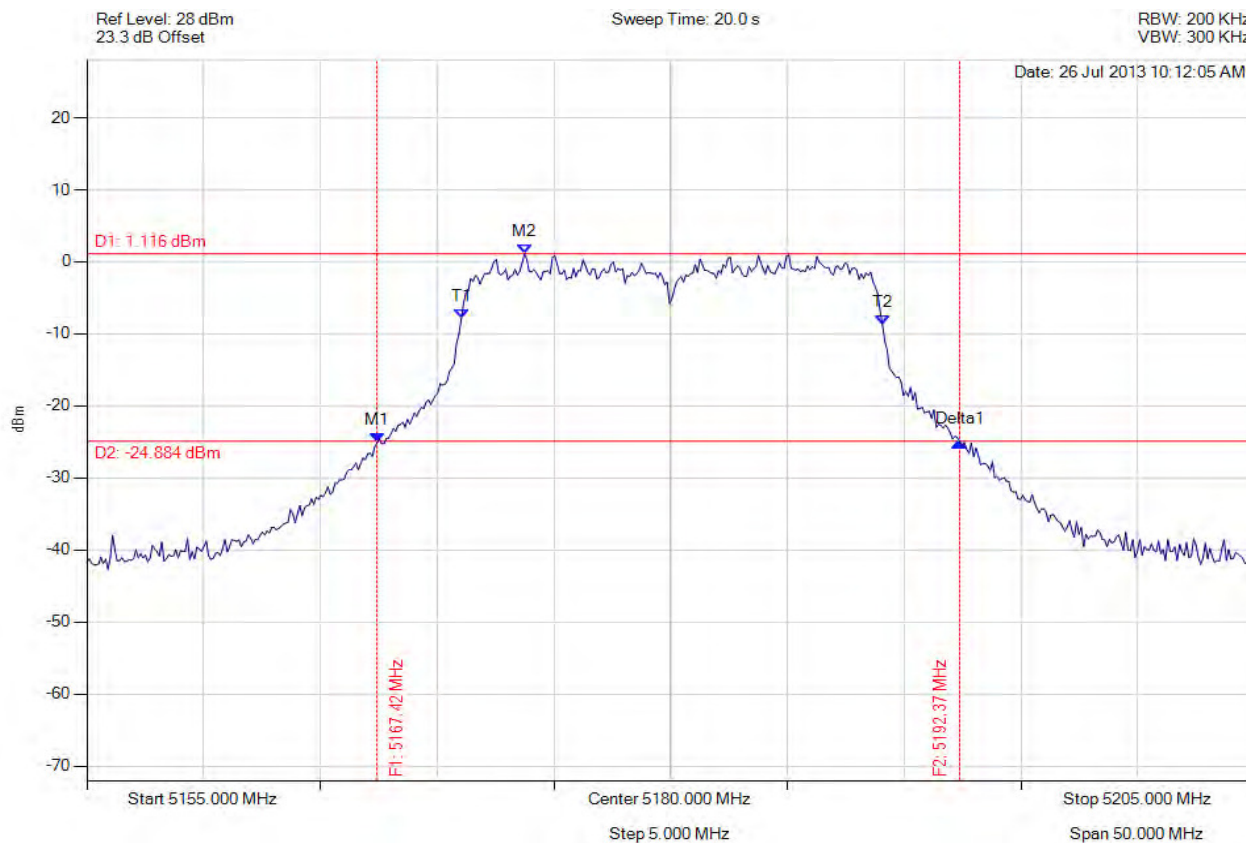
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5167.425 MHz : -25.128 dBm M2 : 5173.737 MHz : 1.116 dBm Delta1 : 24.950 MHz : 0.155 dB T1 : 5171.032 MHz : -7.951 dBm T2 : 5189.068 MHz : -8.673 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 24.950 MHz Measured 99% Bandwidth: 18.036 MHz

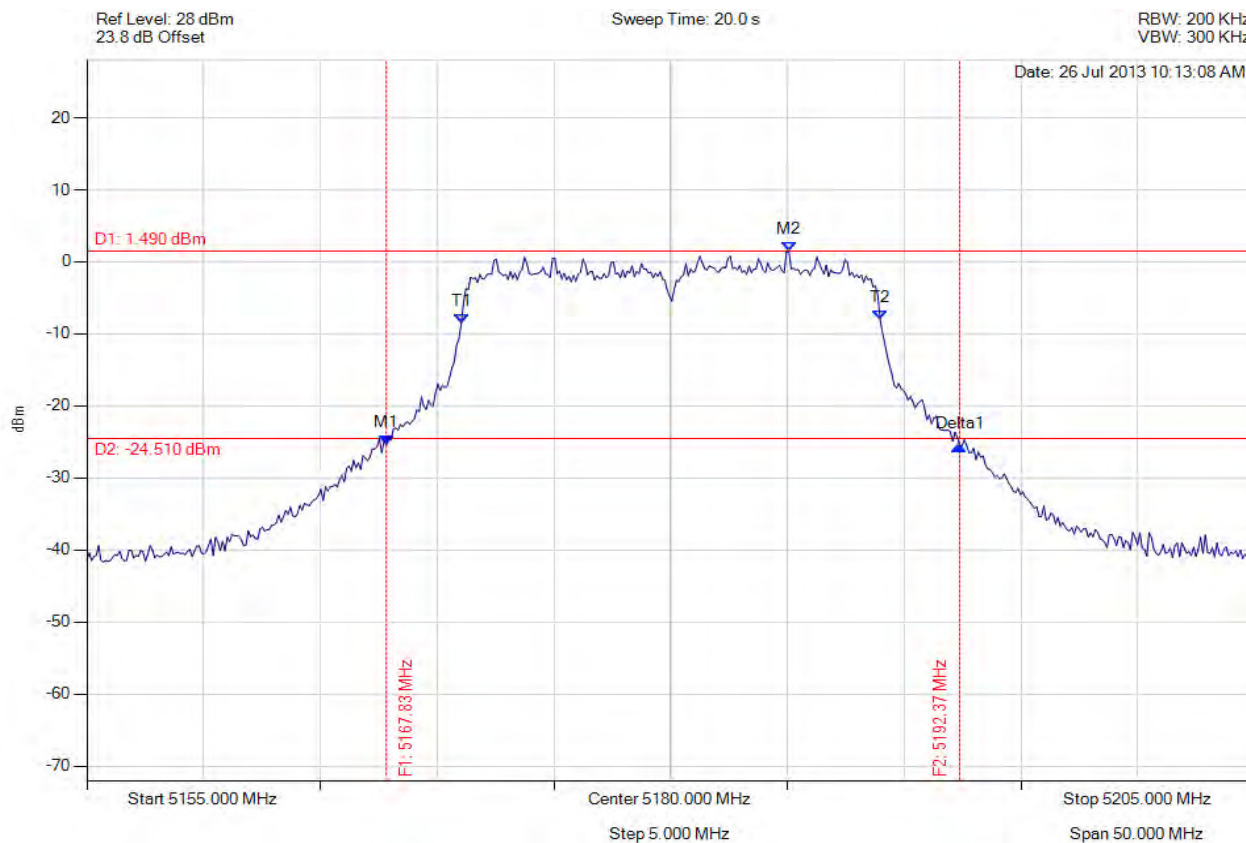
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5167.826 MHz : -25.418 dBm M2 : 5185.060 MHz : 1.490 dBm Delta1 : 24.549 MHz : -0.140 dB T1 : 5171.032 MHz : -8.569 dBm T2 : 5188.968 MHz : -8.001 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.549 MHz Measured 99% Bandwidth: 17.936 MHz

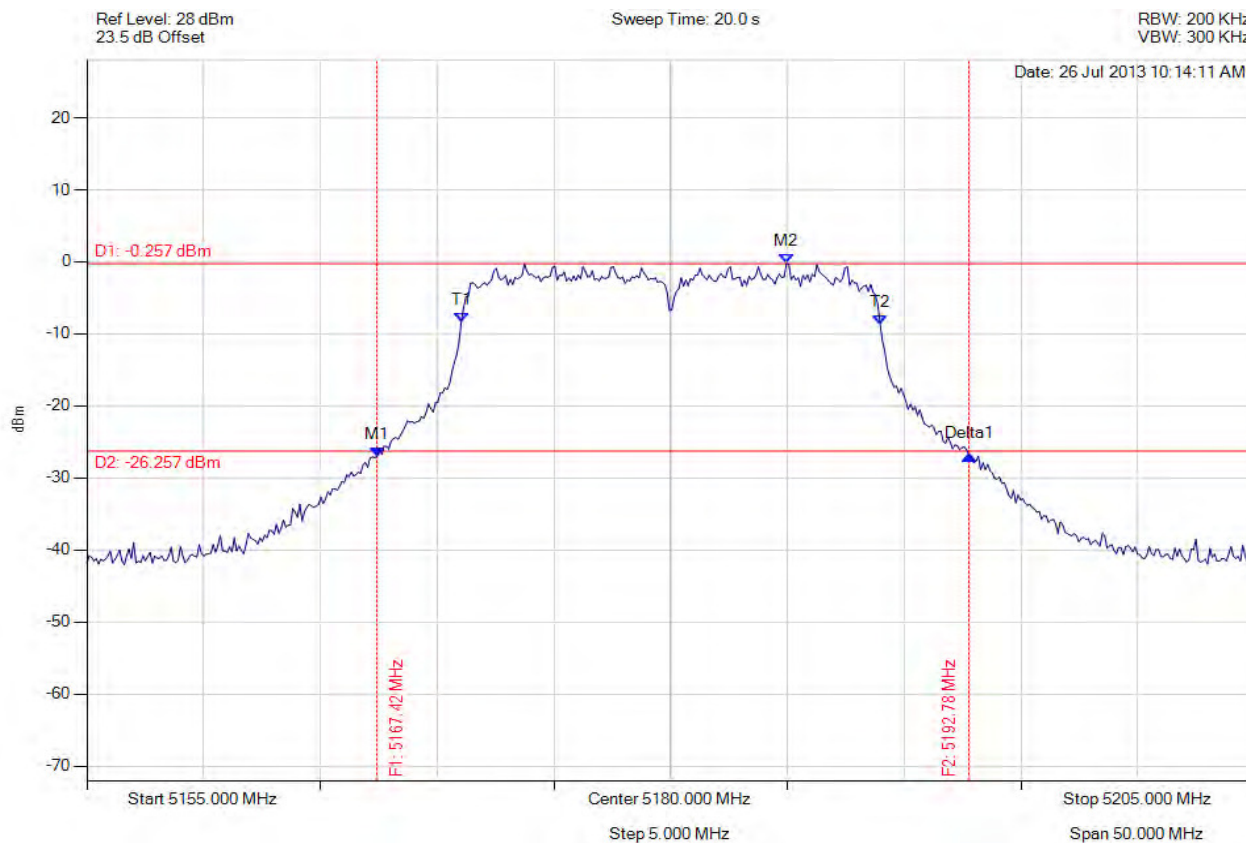
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5167.425 MHz : -27.031 dBm M2 : 5184.960 MHz : -0.257 dBm Delta1 : 25.351 MHz : 0.159 dB T1 : 5171.032 MHz : -8.308 dBm T2 : 5188.968 MHz : -8.648 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.351 MHz Measured 99% Bandwidth: 17.936 MHz

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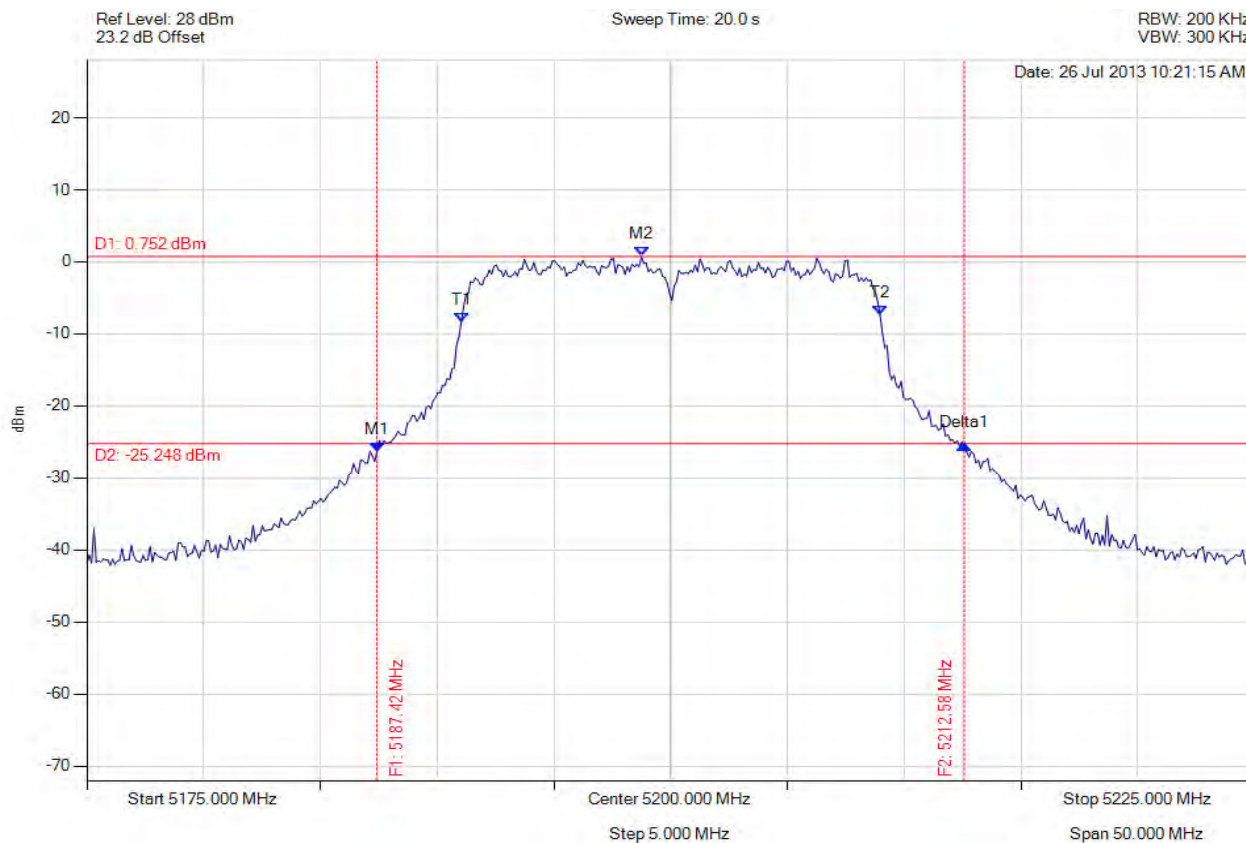


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
**Serial #:** HPWD78-U3 Rev A  
**Issue Date:** 22nd February 2016  
**Page:** 211 of 585



**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5187.425 MHz : -26.315 dBm M2 : 5198.747 MHz : 0.752 dBm Delta1 : 25.150 MHz : 0.942 dB T1 : 5191.032 MHz : -8.376 dBm T2 : 5208.968 MHz : -7.367 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.150 MHz Measured 99% Bandwidth: 17.936 MHz

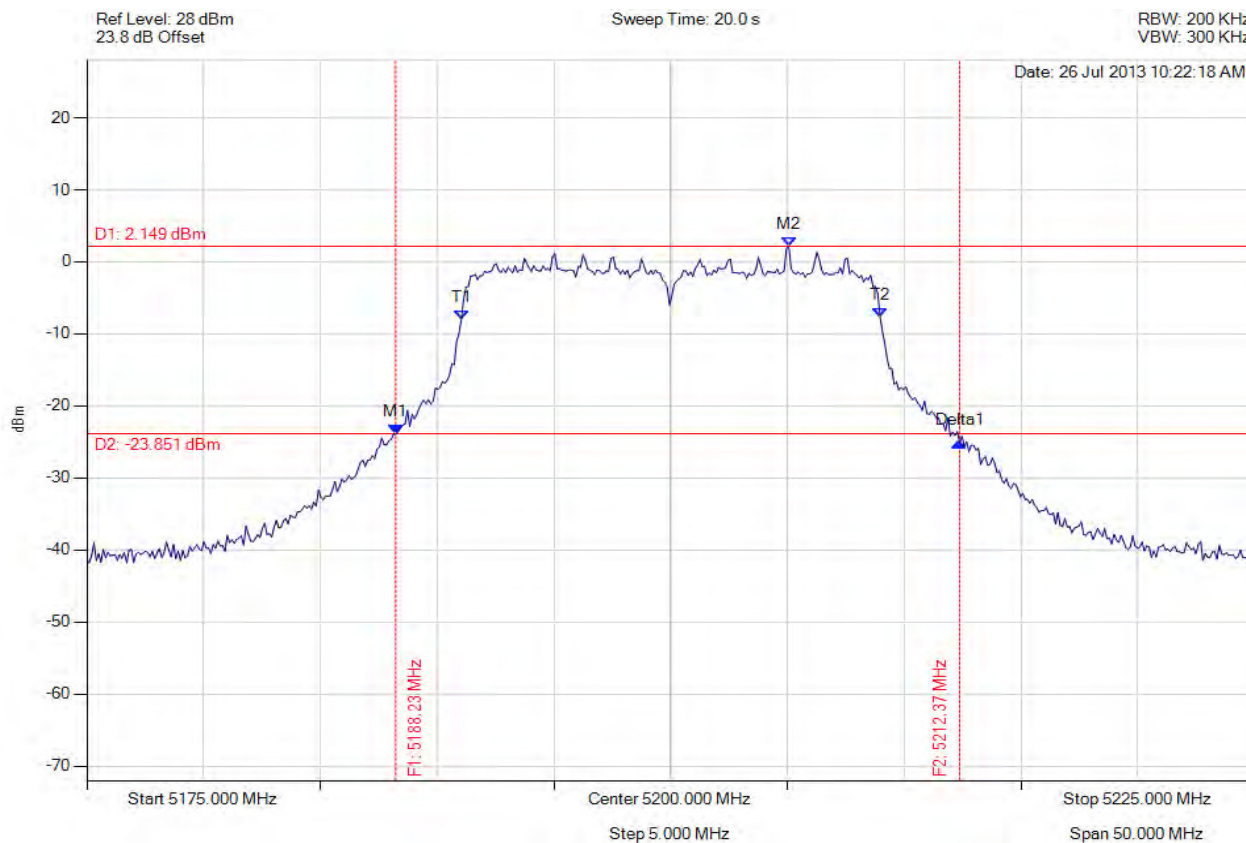
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5188.226 MHz : -23.917 dBm M2 : 5205.060 MHz : 2.149 dBm Delta1 : 24.148 MHz : -1.204 dB T1 : 5191.032 MHz : -8.058 dBm T2 : 5208.968 MHz : -7.662 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.148 MHz Measured 99% Bandwidth: 17.936 MHz

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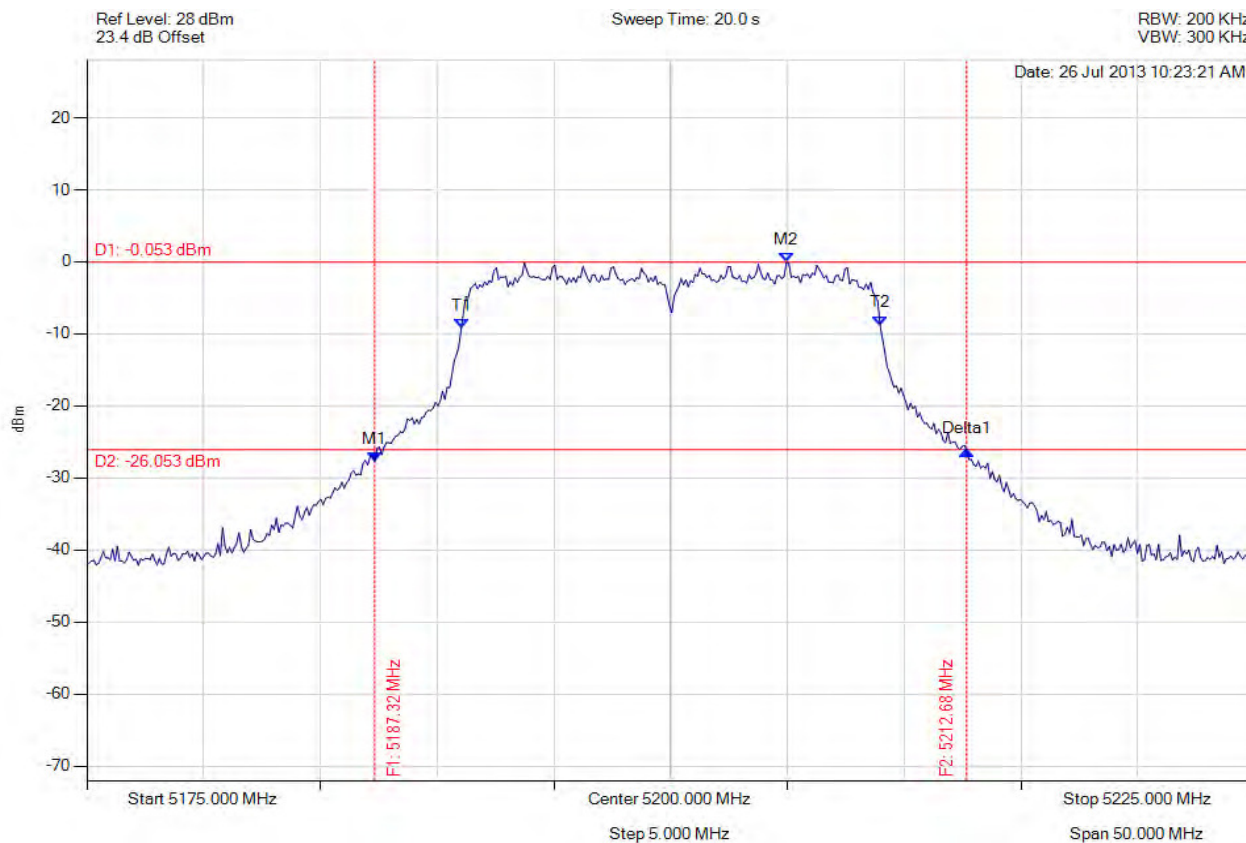
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5187.325 MHz : -27.719 dBm M2 : 5204.960 MHz : -0.053 dBm Delta1 : 25.351 MHz : 1.570 dB T1 : 5191.032 MHz : -9.171 dBm T2 : 5208.968 MHz : -8.795 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.351 MHz Measured 99% Bandwidth: 17.936 MHz

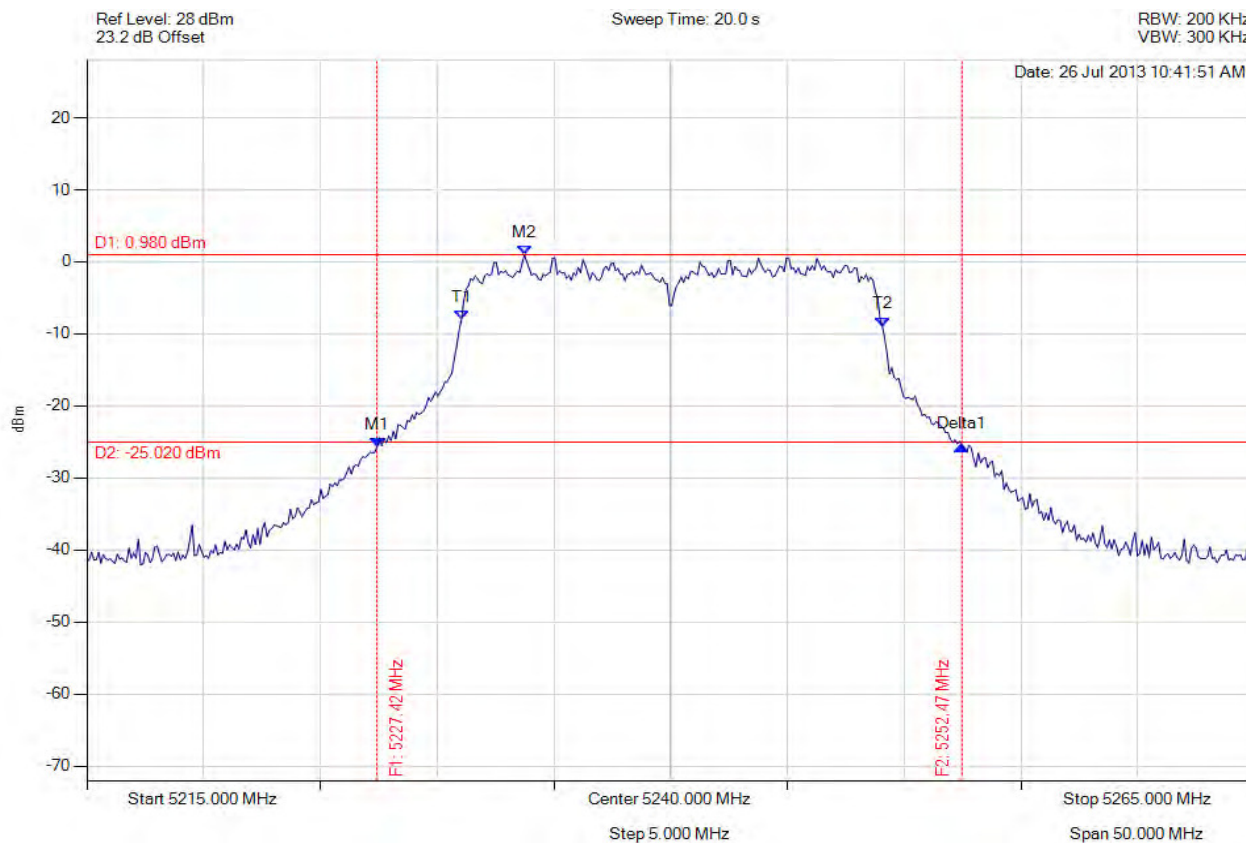
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.425 MHz : -25.660 dBm M2 : 5237.737 MHz : 0.980 dBm Delta1 : 25.050 MHz : 0.065 dB T1 : 5231.032 MHz : -8.115 dBm T2 : 5249.068 MHz : -8.963 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 25.050 MHz Measured 99% Bandwidth: 18.036 MHz

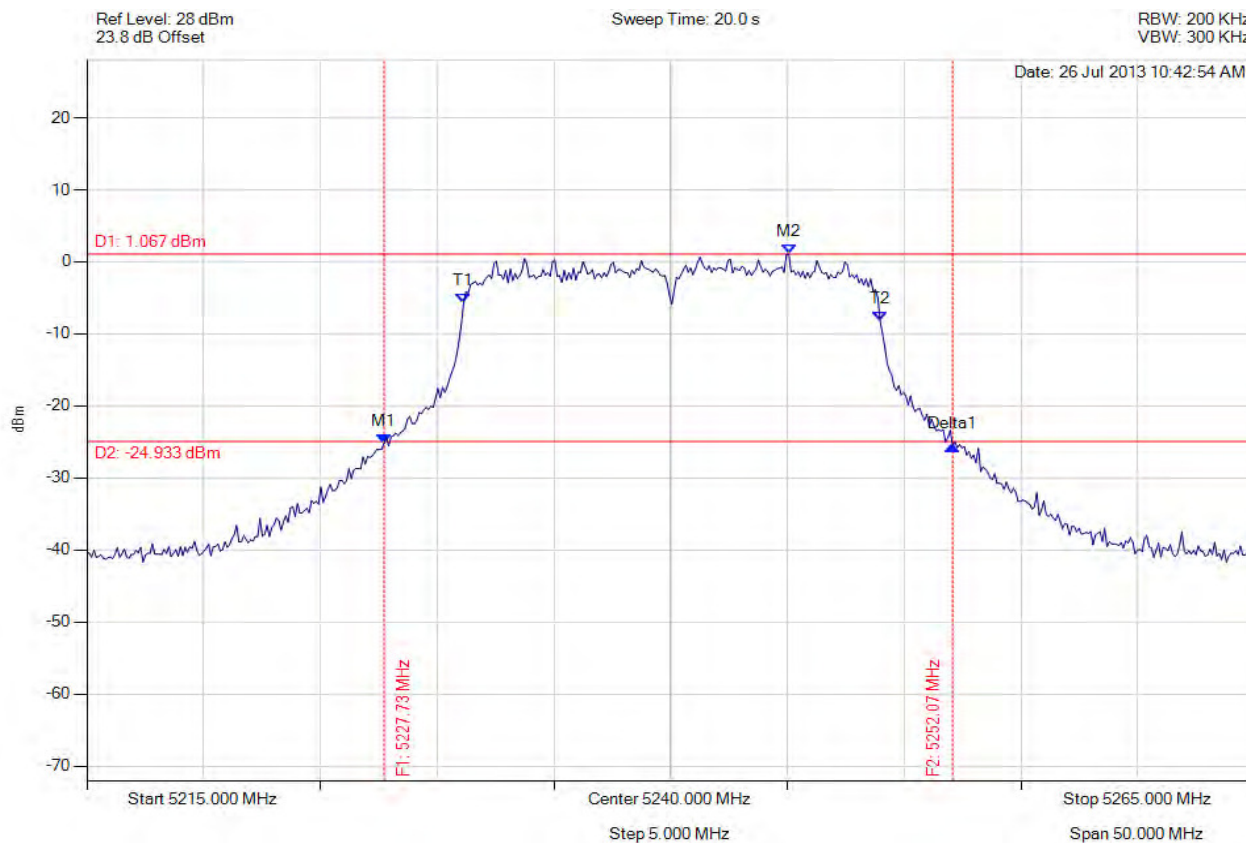
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.725 MHz : -25.201 dBm M2 : 5245.060 MHz : 1.067 dBm Delta1 : 24.349 MHz : -0.421 dB T1 : 5231.132 MHz : -5.667 dBm T2 : 5248.968 MHz : -8.180 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 24.349 MHz Measured 99% Bandwidth: 17.836 MHz

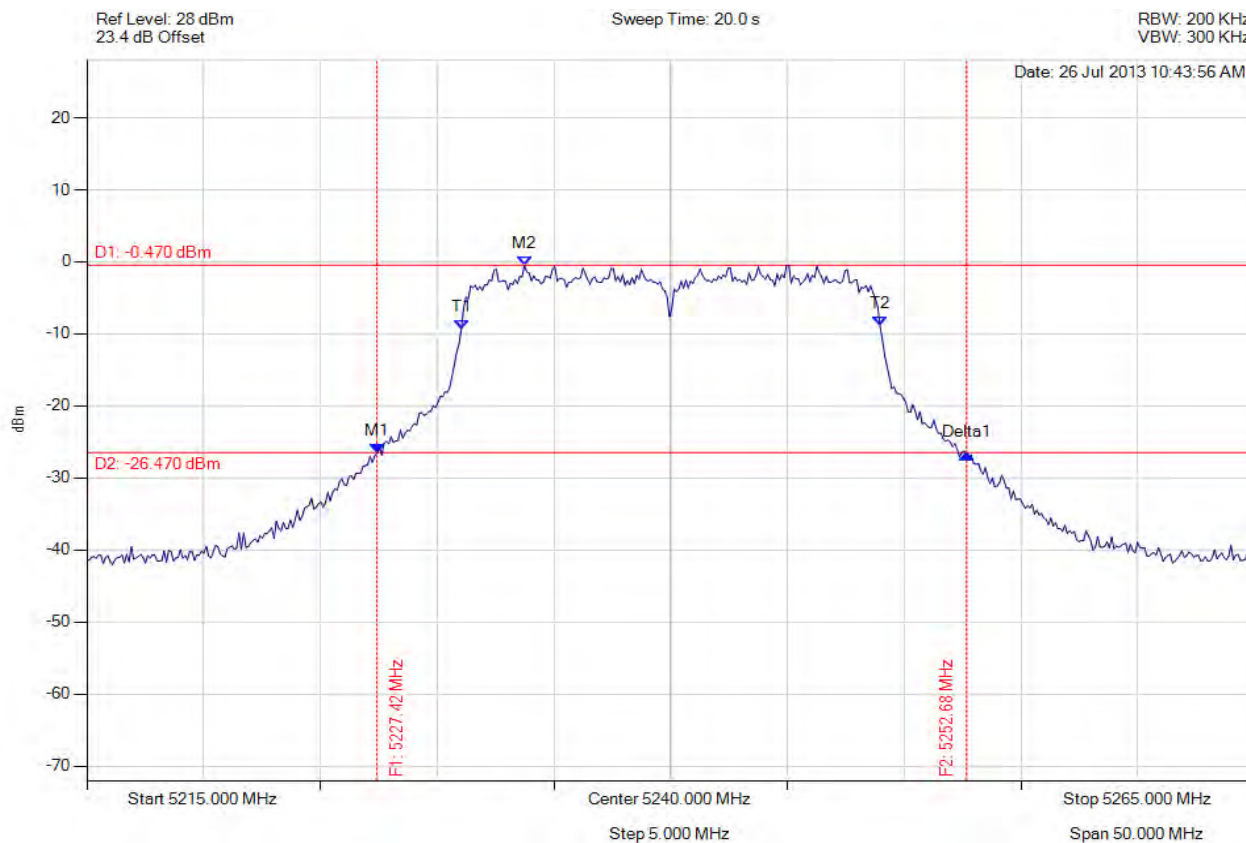
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.425 MHz : -26.486 dBm M2 : 5233.737 MHz : -0.470 dBm Delta1 : 25.251 MHz : -0.218 dB T1 : 5231.032 MHz : -9.417 dBm T2 : 5248.968 MHz : -8.945 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.251 MHz Measured 99% Bandwidth: 17.936 MHz

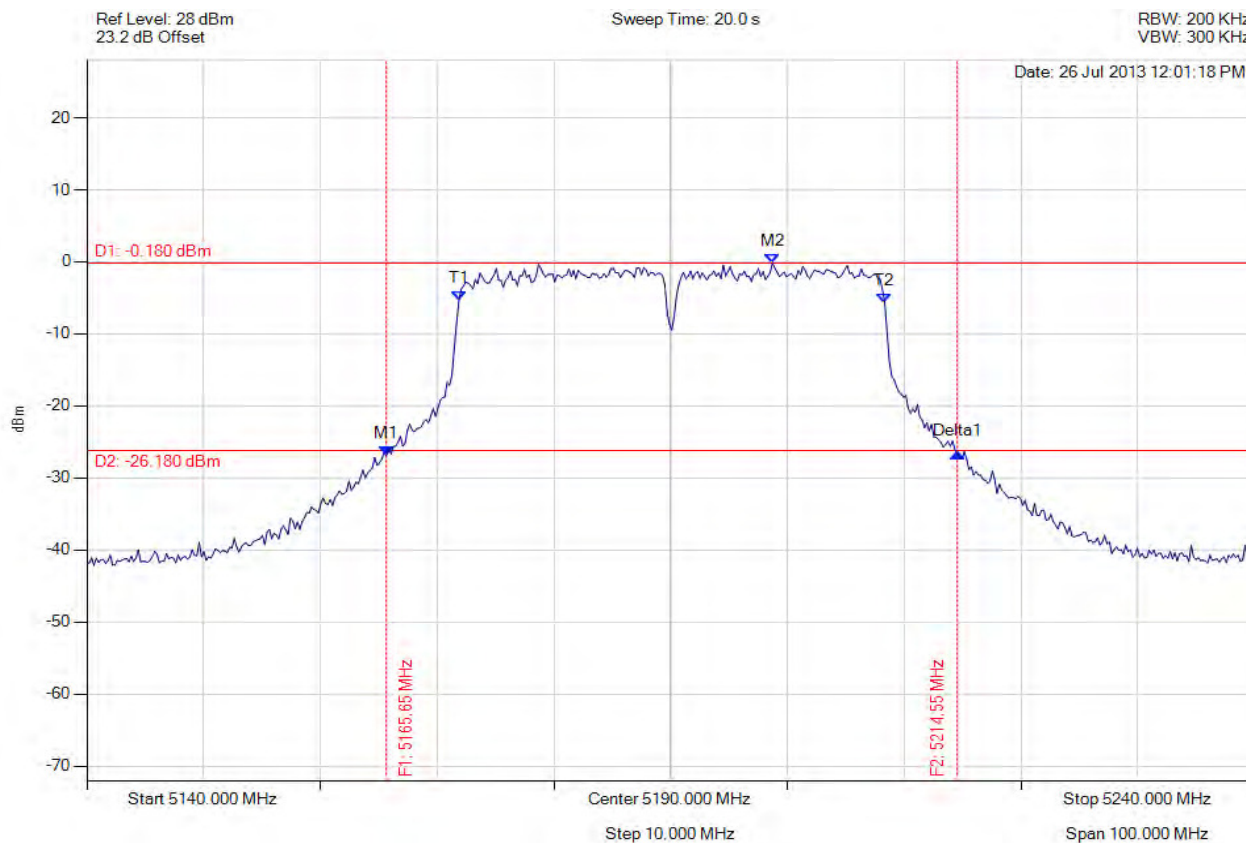
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5165.651 MHz : -26.860 dBm M2 : 5198.717 MHz : -0.180 dBm Delta1 : 48.898 MHz : 0.291 dB T1 : 5171.864 MHz : -5.303 dBm T2 : 5208.337 MHz : -5.724 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.898 MHz Measured 99% Bandwidth: 36.473 MHz

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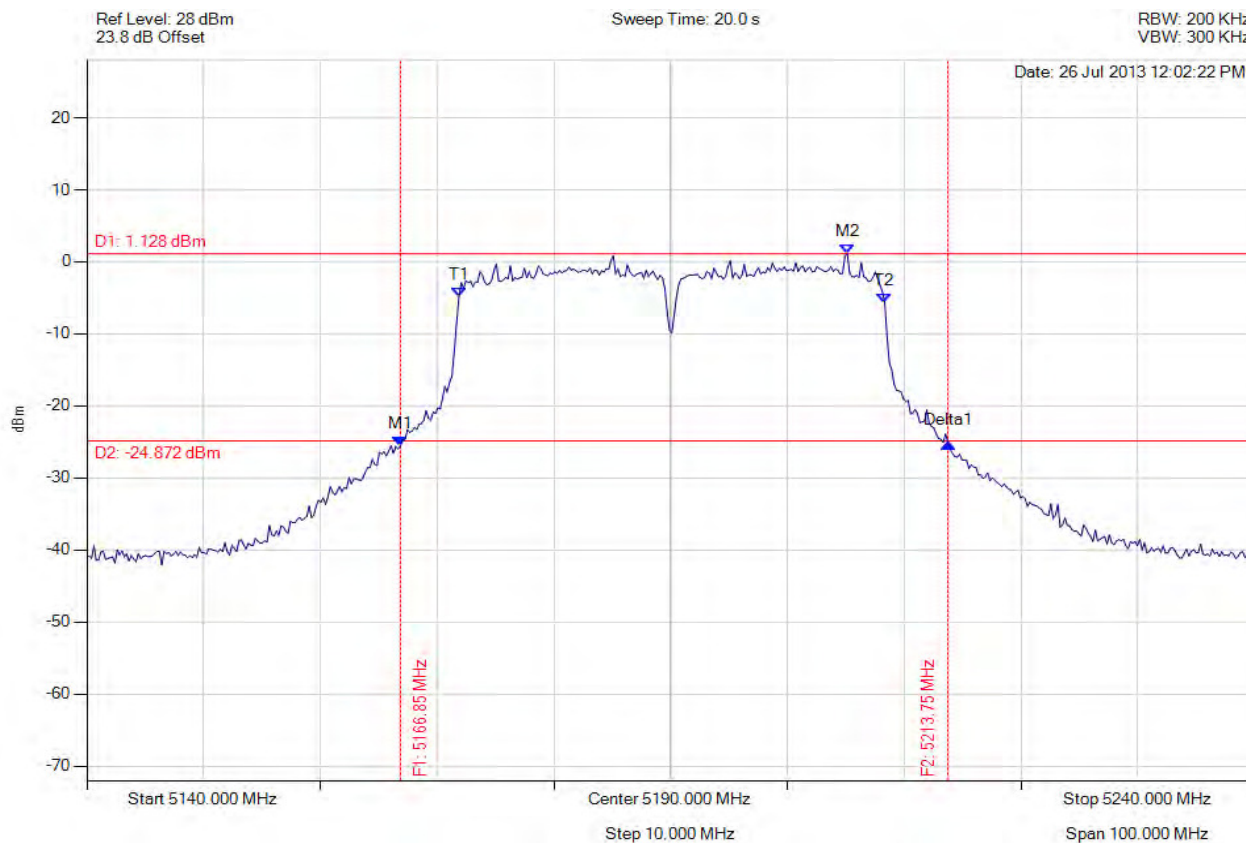
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5166.854 MHz : -25.557 dBm M2 : 5205.130 MHz : 1.128 dBm Delta1 : 46.894 MHz : 0.423 dB T1 : 5171.864 MHz : -4.859 dBm T2 : 5208.337 MHz : -5.722 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.473 MHz

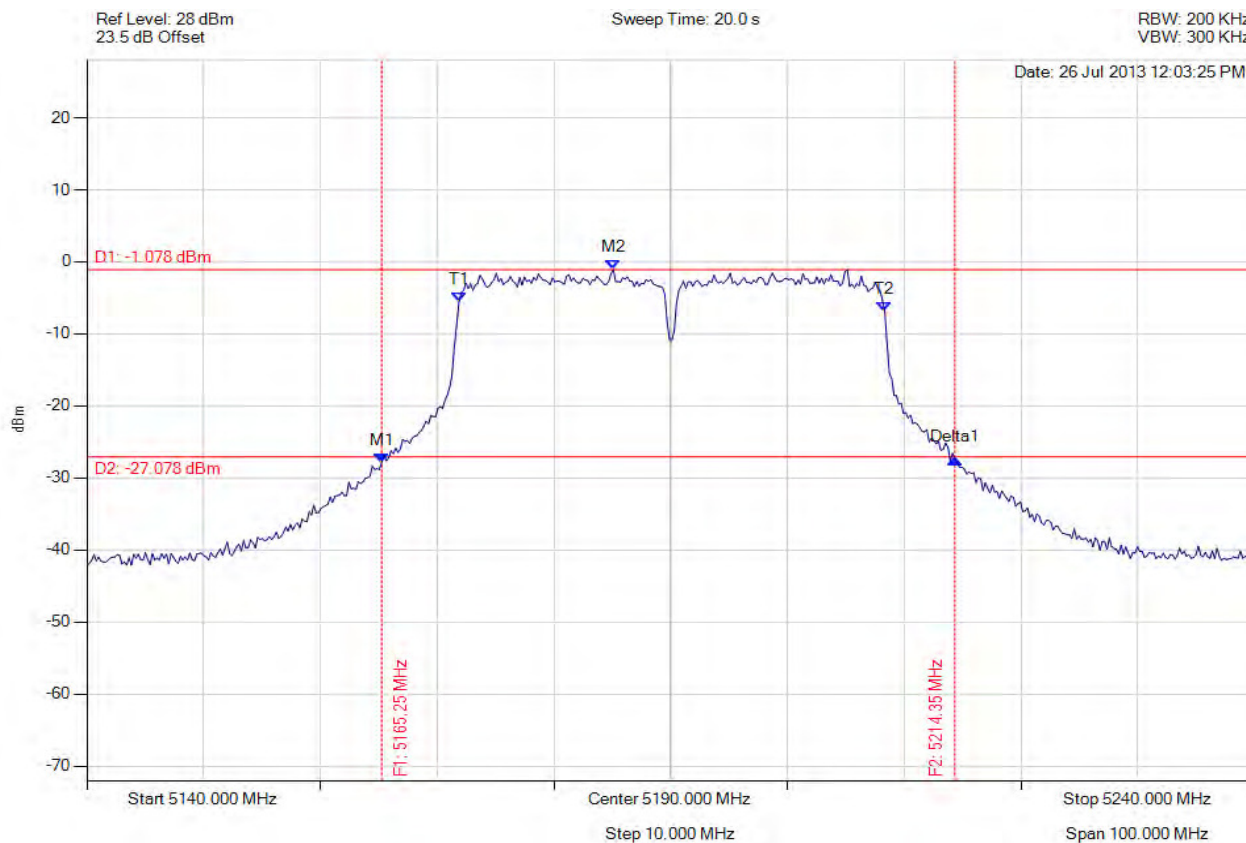
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5165.251 MHz : -27.871 dBm M2 : 5185.090 MHz : -1.078 dBm Delta1 : 49.098 MHz : 0.517 dB T1 : 5171.864 MHz : -5.583 dBm T2 : 5208.337 MHz : -6.940 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 49.098 MHz Measured 99% Bandwidth: 36.473 MHz

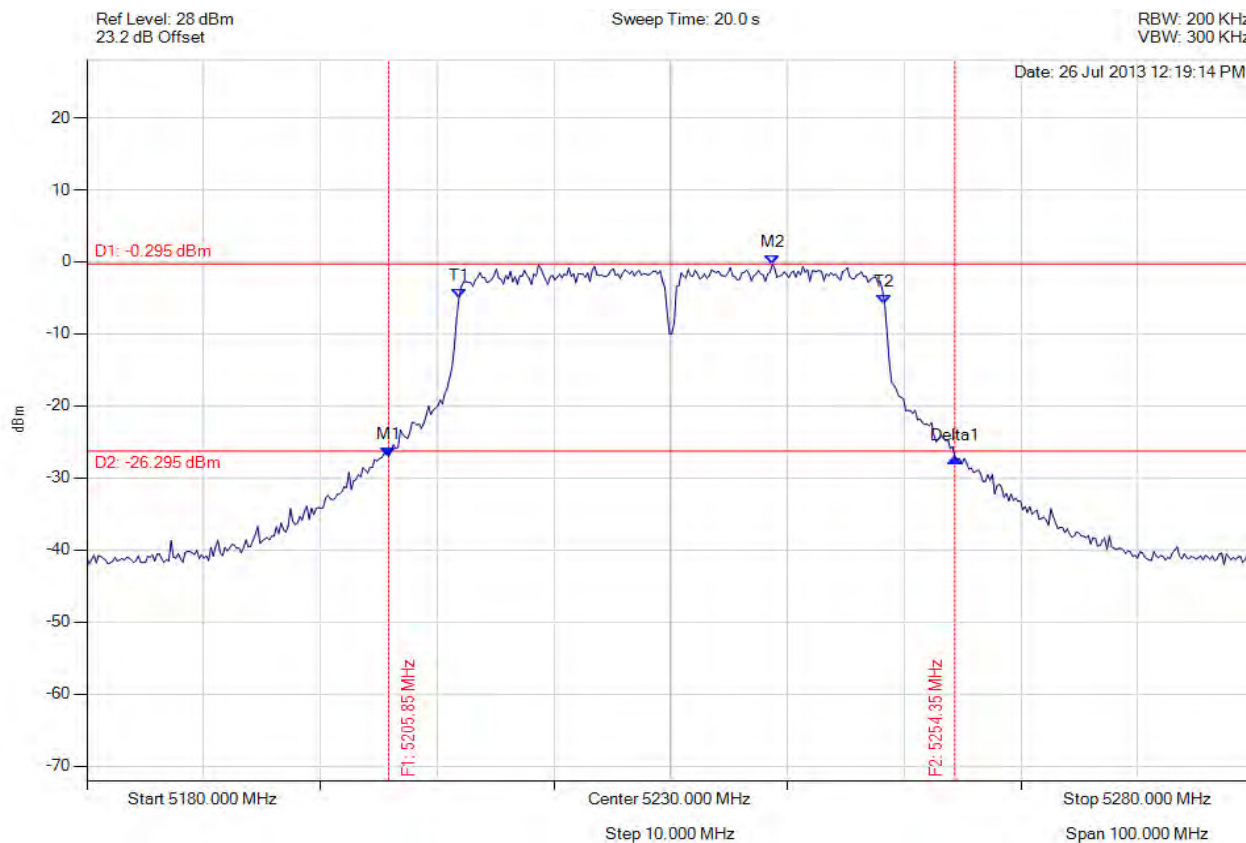
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5205.852 MHz : -27.021 dBm M2 : 5238.717 MHz : -0.295 dBm Delta1 : 48.497 MHz : -0.161 dB T1 : 5211.864 MHz : -5.032 dBm T2 : 5248.337 MHz : -5.907 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.497 MHz Measured 99% Bandwidth: 36.473 MHz

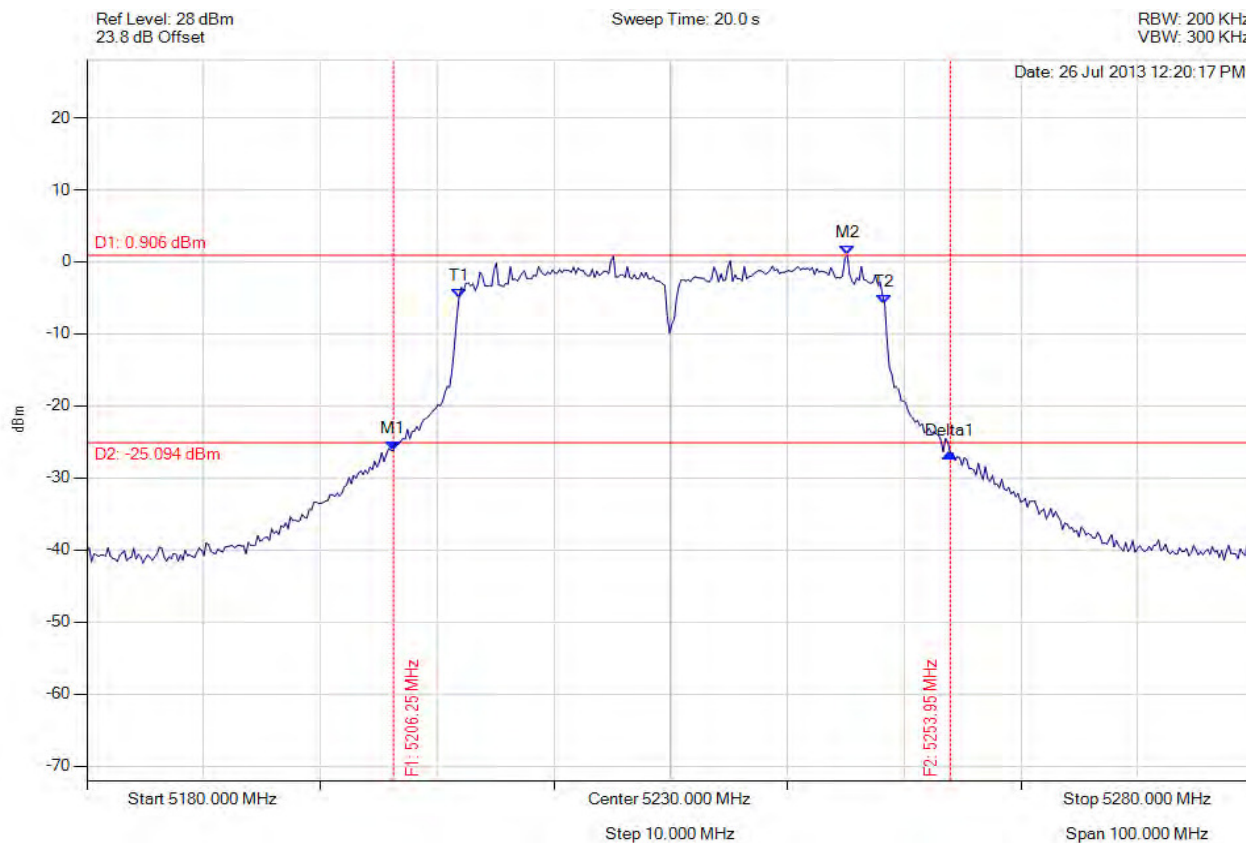
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5206.253 MHz : -26.175 dBm M2 : 5245.130 MHz : 0.906 dBm Delta1 : 47.695 MHz : -0.334 dB T1 : 5211.864 MHz : -4.998 dBm T2 : 5248.337 MHz : -5.909 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.473 MHz

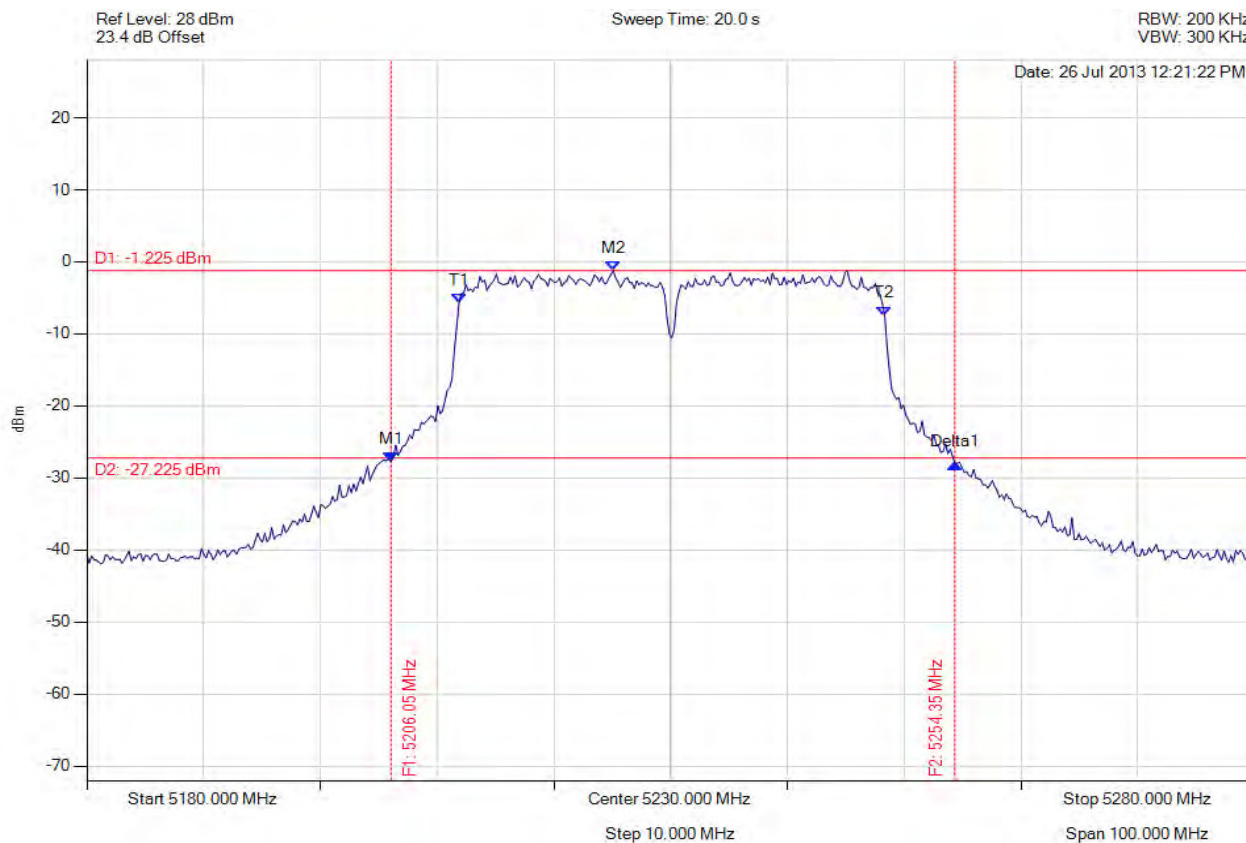
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5206.052 MHz : -27.755 dBm M2 : 5225.090 MHz : -1.225 dBm Delta1 : 48.297 MHz : -0.309 dB T1 : 5211.864 MHz : -5.724 dBm T2 : 5248.337 MHz : -7.466 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.297 MHz Measured 99% Bandwidth: 36.473 MHz

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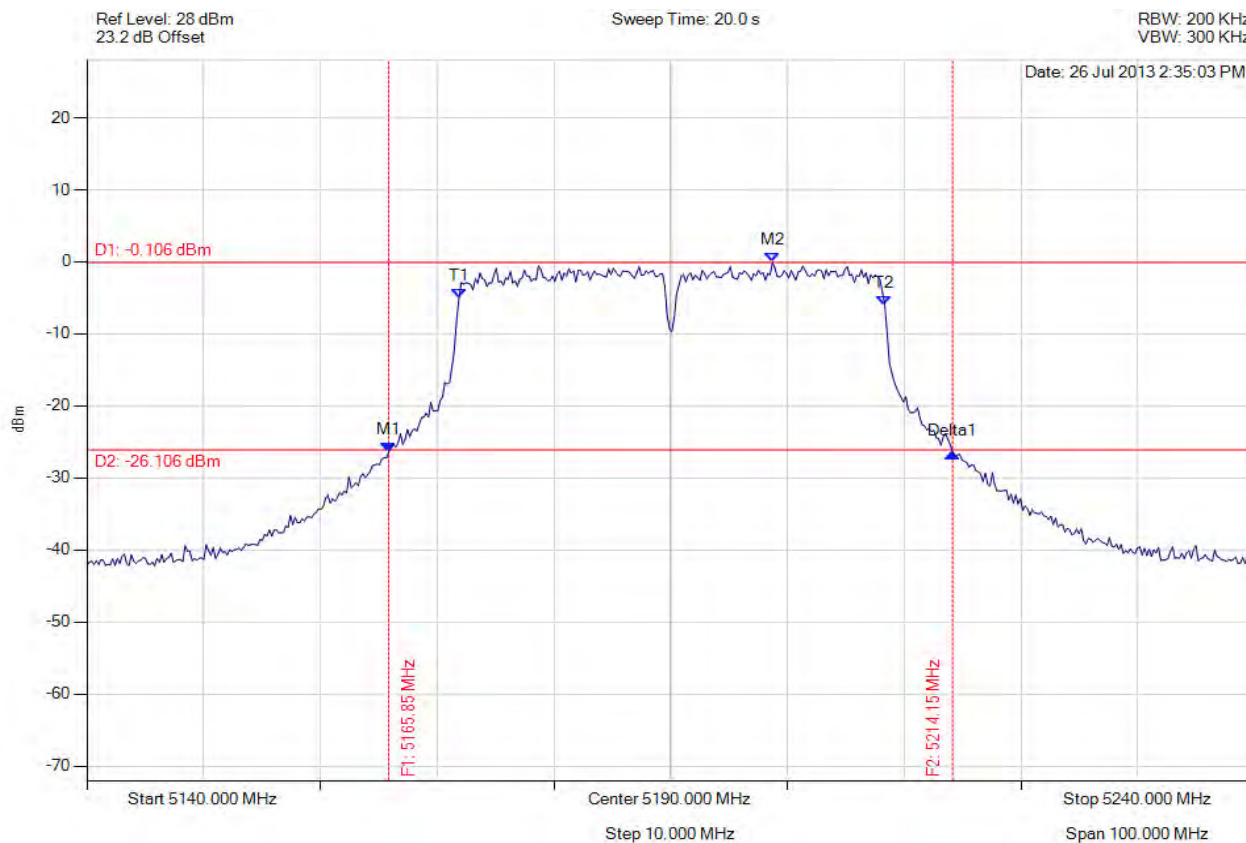
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5190.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5165.852 MHz : -26.376 dBm M2 : 5198.717 MHz : -0.106 dBm Delta1 : 48.297 MHz : -0.163 dB T1 : 5171.864 MHz : -4.991 dBm T2 : 5208.337 MHz : -5.988 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.297 MHz Measured 99% Bandwidth: 36.473 MHz

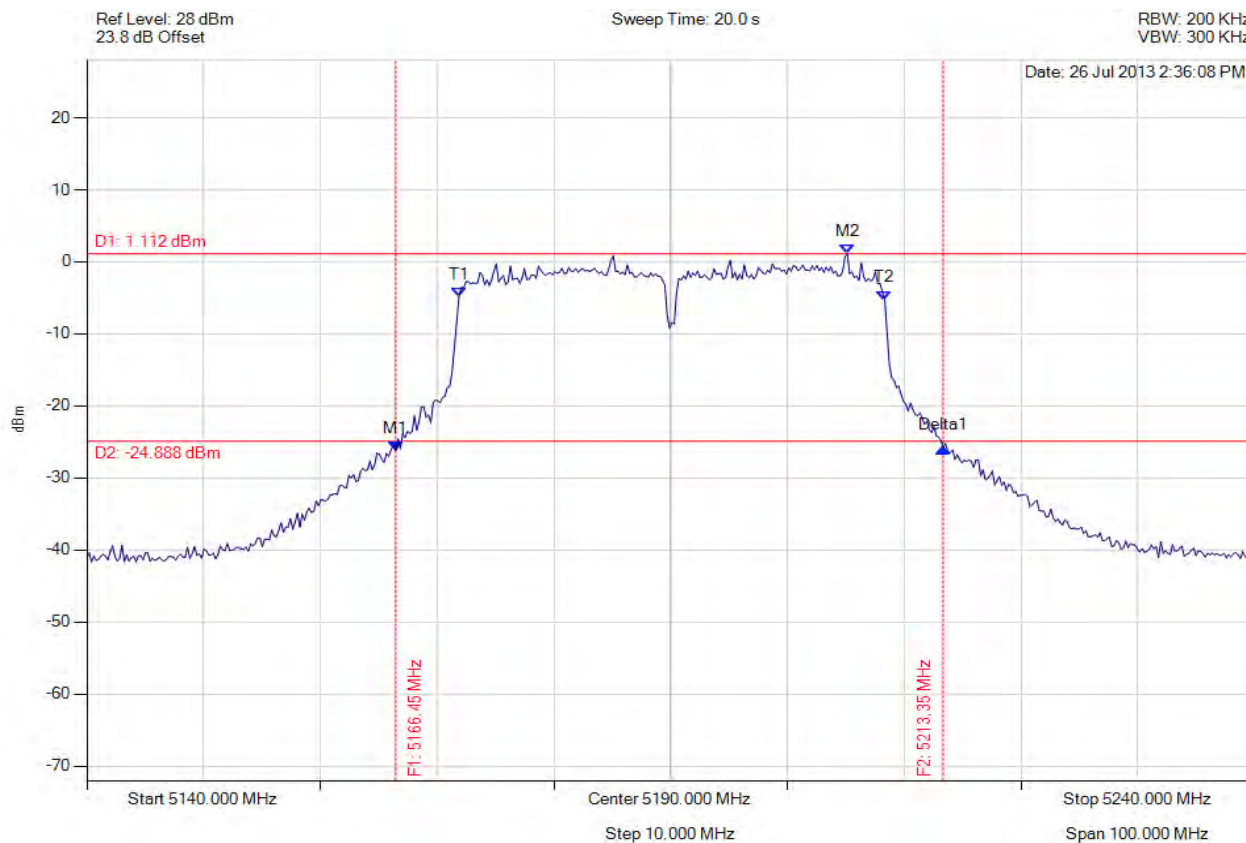
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5190.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5166.453 MHz : -26.171 dBm M2 : 5205.130 MHz : 1.112 dBm Delta1 : 46.894 MHz : 0.370 dB T1 : 5171.864 MHz : -4.849 dBm T2 : 5208.337 MHz : -5.286 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.473 MHz

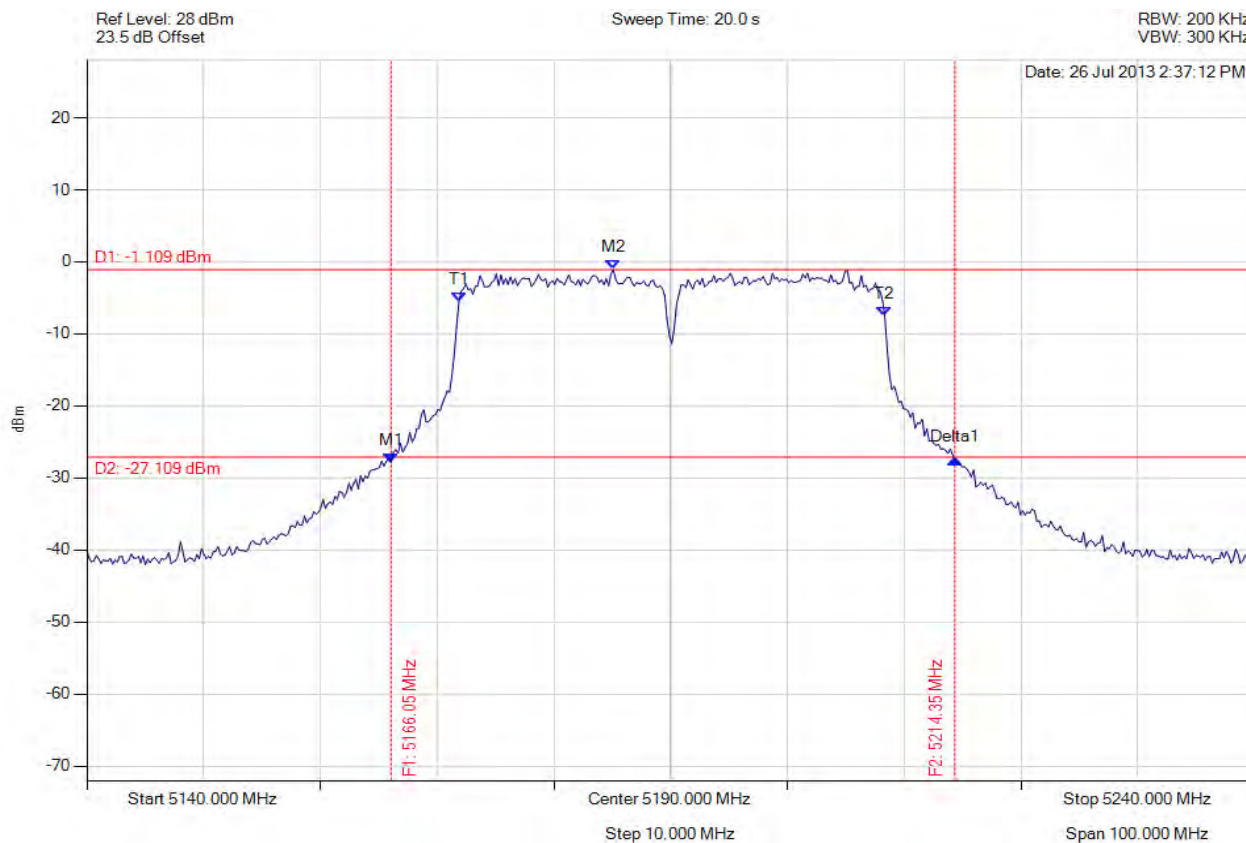
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5190.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5166.052 MHz : -27.830 dBm M2 : 5185.090 MHz : -1.109 dBm Delta1 : 48.297 MHz : 0.431 dB T1 : 5171.864 MHz : -5.522 dBm T2 : 5208.337 MHz : -7.536 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.297 MHz Measured 99% Bandwidth: 36.473 MHz

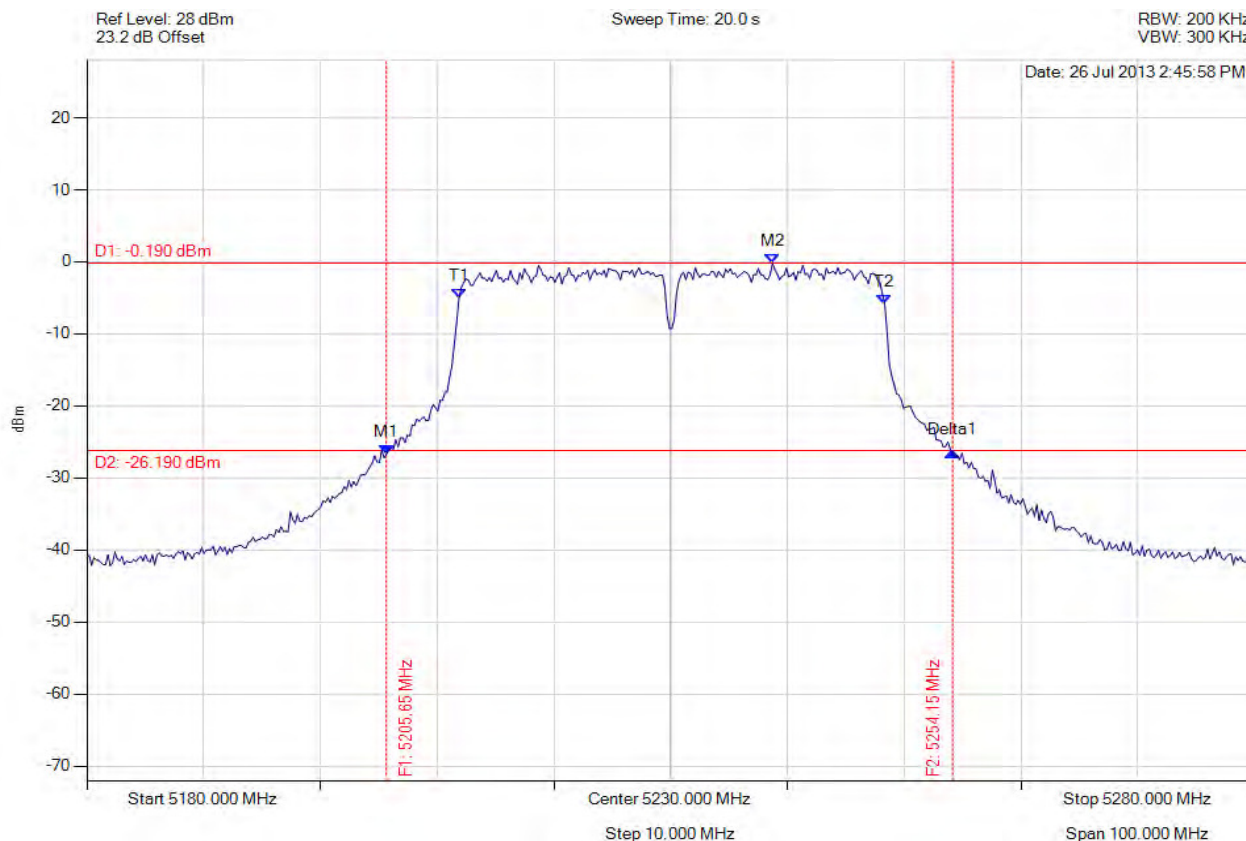
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5230.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5205.651 MHz : -26.712 dBm M2 : 5238.717 MHz : -0.190 dBm Delta1 : 48.497 MHz : 0.390 dB T1 : 5211.864 MHz : -5.089 dBm T2 : 5248.337 MHz : -5.892 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.497 MHz Measured 99% Bandwidth: 36.473 MHz

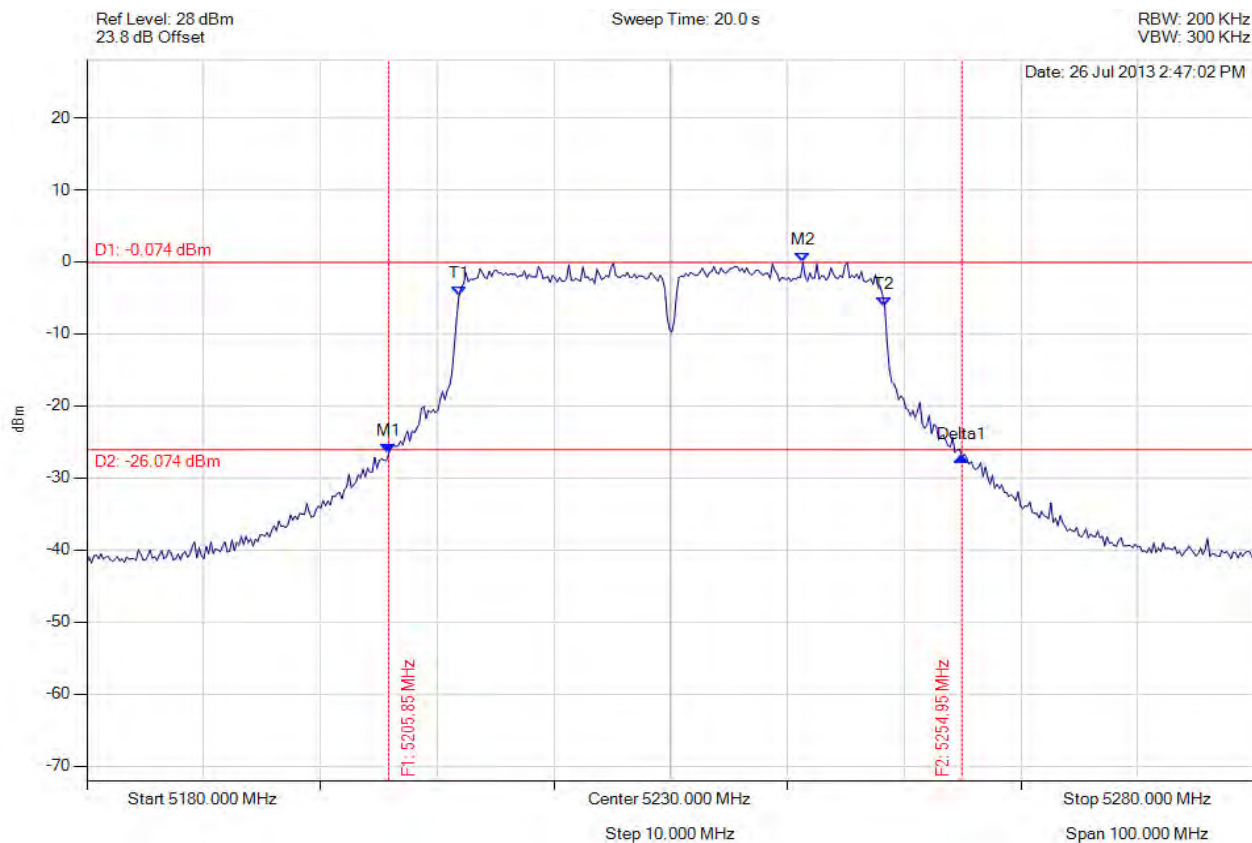
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5230.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5205.852 MHz : -26.590 dBm M2 : 5241.323 MHz : -0.074 dBm Delta1 : 49.098 MHz : -0.508 dB T1 : 5211.864 MHz : -4.688 dBm T2 : 5248.337 MHz : -6.212 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 49.098 MHz Measured 99% Bandwidth: 36.473 MHz

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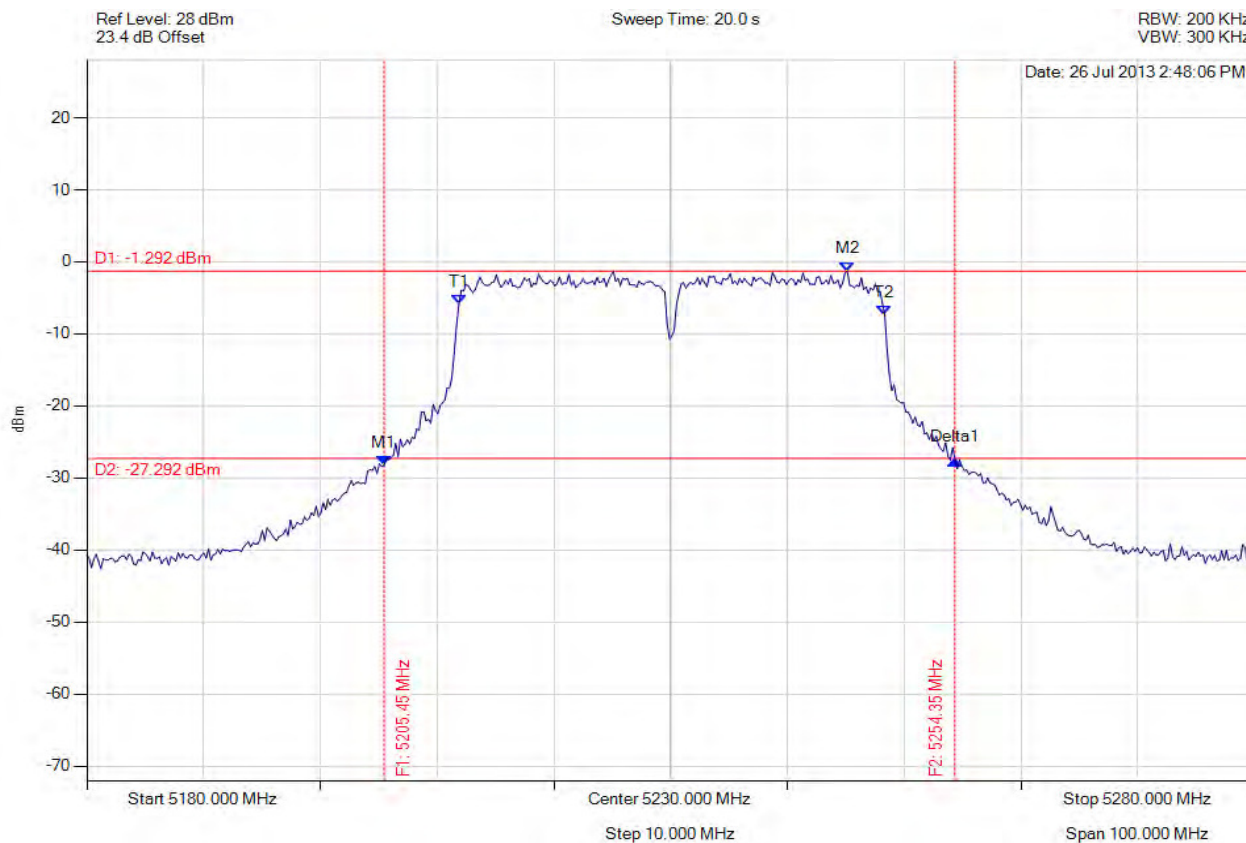
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5230.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5205.451 MHz : -28.286 dBm M2 : 5245.130 MHz : -1.292 dBm Delta1 : 48.898 MHz : 0.813 dB T1 : 5211.864 MHz : -5.819 dBm T2 : 5248.337 MHz : -7.444 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.898 MHz Measured 99% Bandwidth: 36.473 MHz

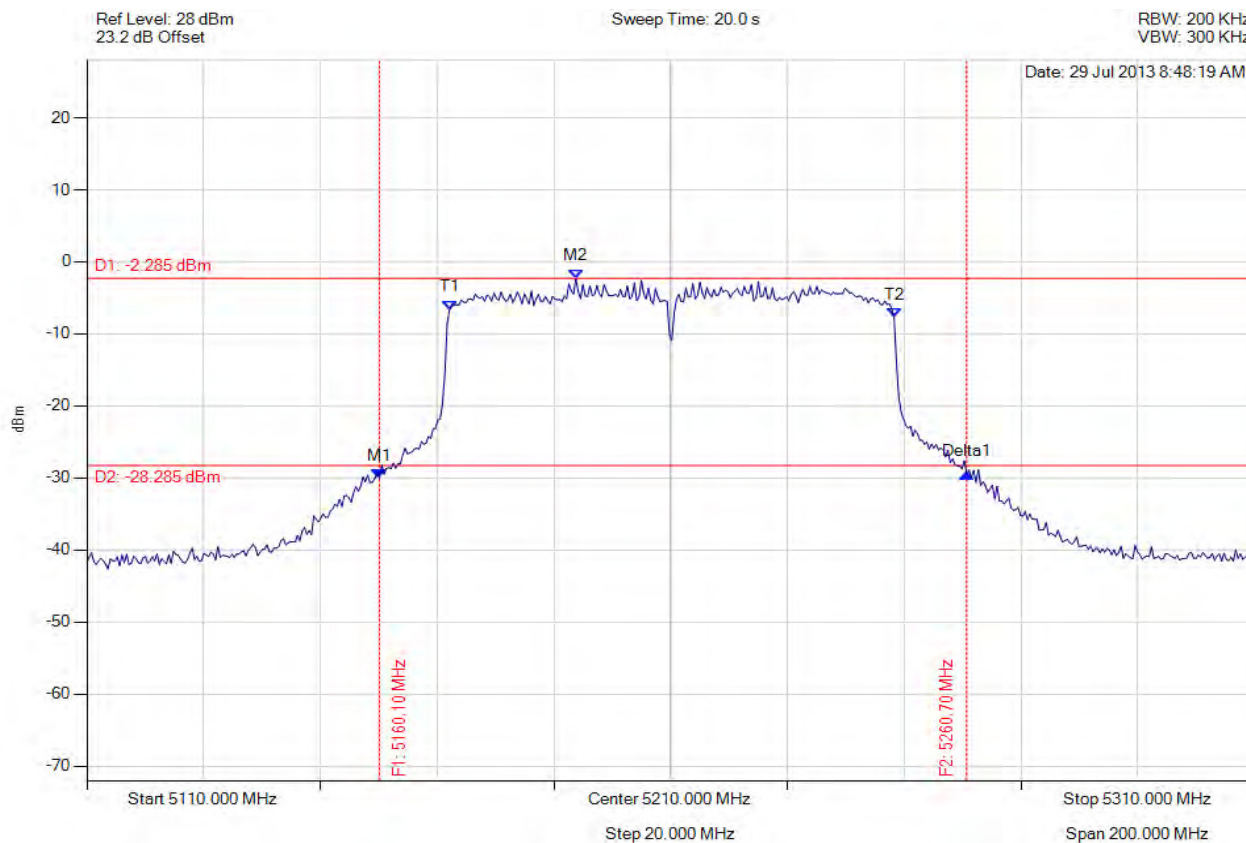
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



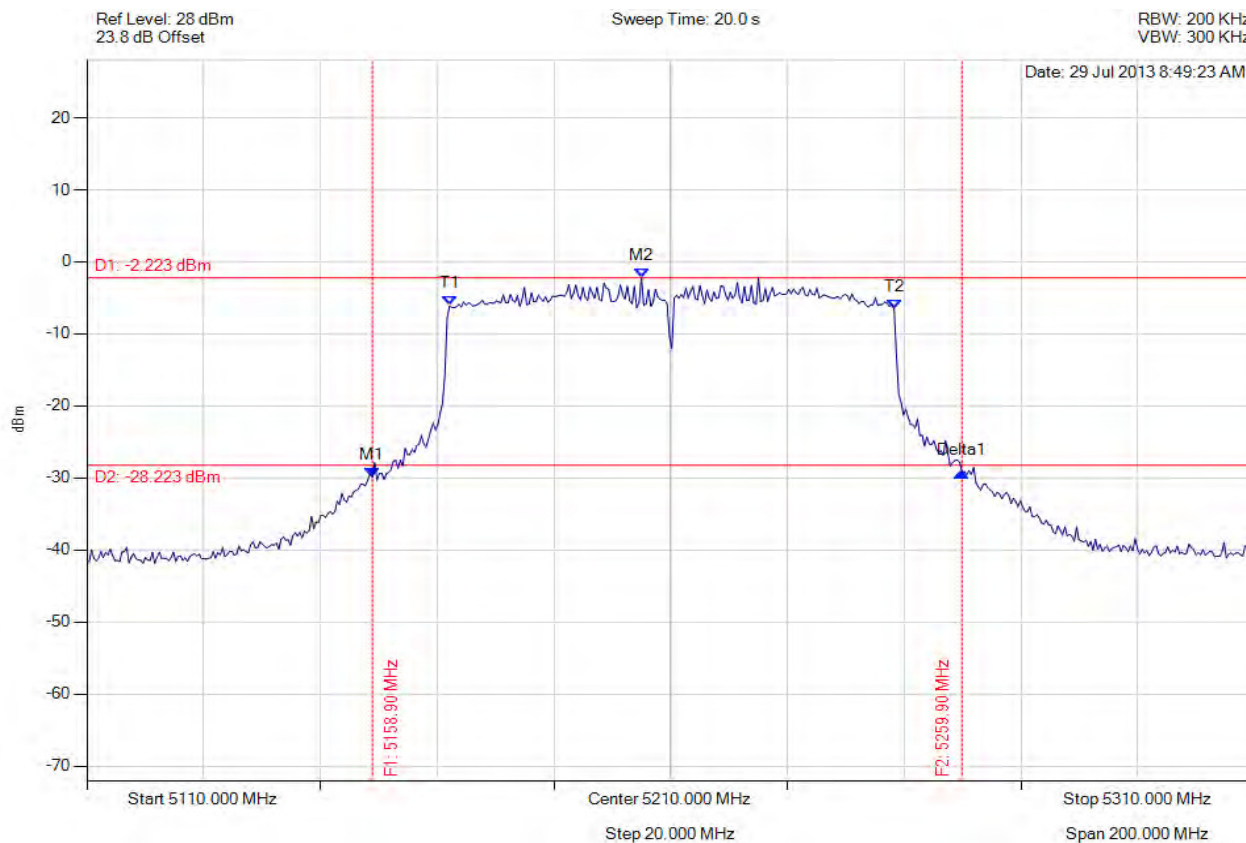
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5160.100 MHz : -30.033 dBm M2 : 5193.768 MHz : -2.285 dBm Delta1 : 100.601 MHz : 0.596 dB T1 : 5172.124 MHz : -6.633 dBm T2 : 5248.277 MHz : -7.698 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth : 100.601 MHz Measured 99% Bandwidth: 76.152 MHz

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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5158.898 MHz : -29.870 dBm M2 : 5204.990 MHz : -2.223 dBm Delta1 : 101.002 MHz : 0.606 dB T1 : 5172.124 MHz : -6.106 dBm T2 : 5248.277 MHz : -6.478 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth : 101.002 MHz Measured 99% Bandwidth : 76.152 MHz

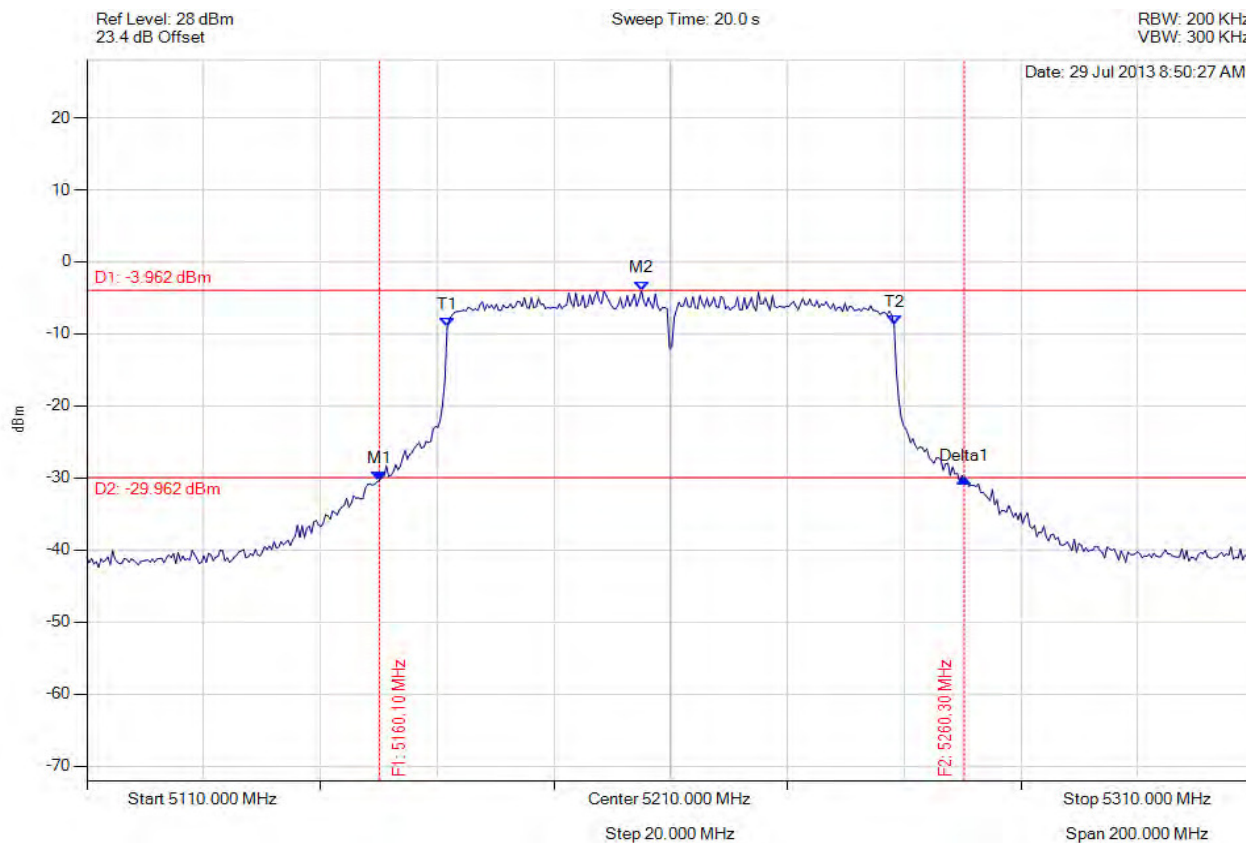
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5160.100 MHz : -30.377 dBm M2 : 5204.990 MHz : -3.962 dBm Delta1 : 100.200 MHz : 0.299 dB T1 : 5171.723 MHz : -9.083 dBm T2 : 5248.277 MHz : -8.727 dBm OBW : 76.553 MHz	Measured 26 dB Bandwidth : 100.200 MHz Measured 99% Bandwidth: 76.553 MHz

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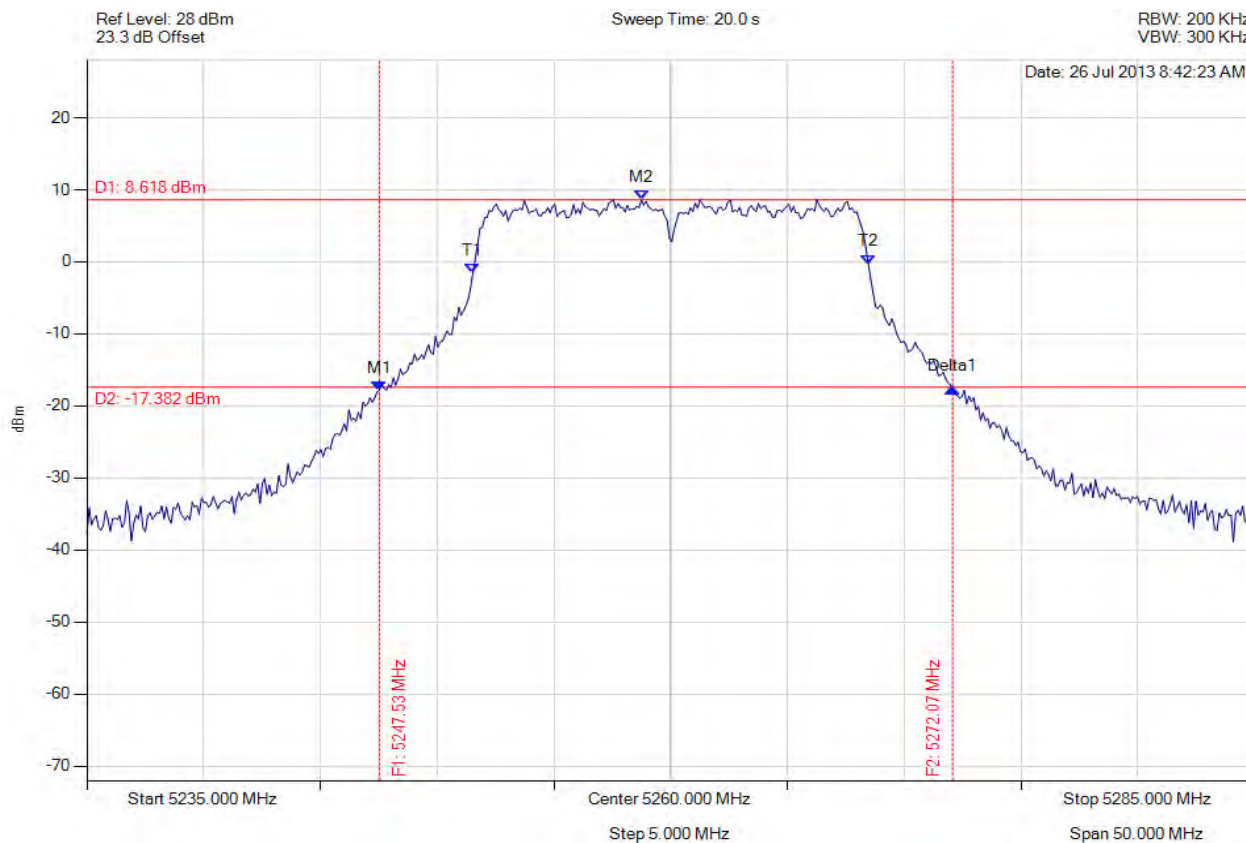


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
**Serial #:** HPWD78-U3 Rev A  
**Issue Date:** 22nd February 2016  
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5260.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5247.525 MHz : -17.847 dBm M2 : 5258.747 MHz : 8.618 dBm Delta1 : 24.549 MHz : 0.234 dB T1 : 5251.533 MHz : -1.532 dBm T2 : 5268.467 MHz : -0.283 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.549 MHz Measured 99% Bandwidth: 16.934 MHz

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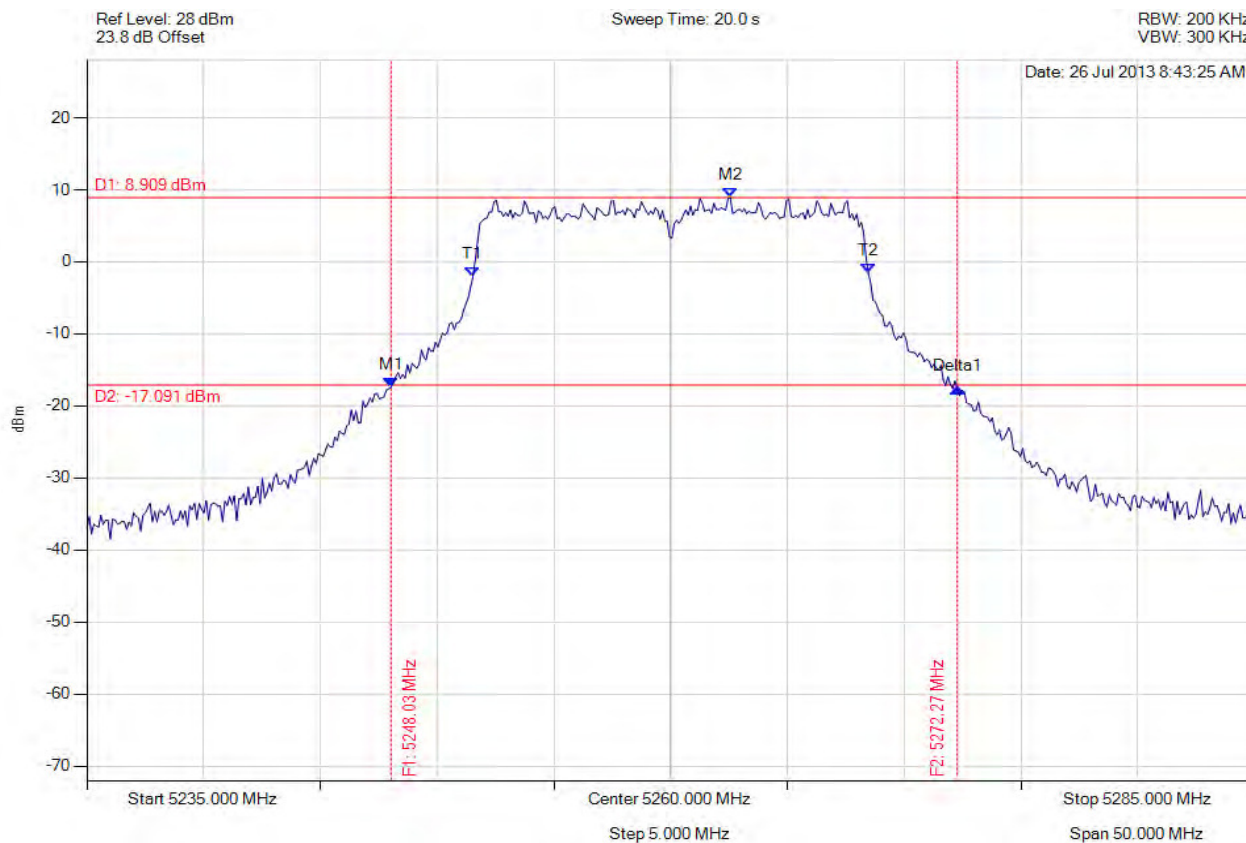
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5260.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5248.026 MHz : -17.409 dBm M2 : 5262.555 MHz : 8.909 dBm Delta1 : 24.248 MHz : -0.118 dB T1 : 5251.533 MHz : -2.034 dBm T2 : 5268.467 MHz : -1.603 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 16.934 MHz

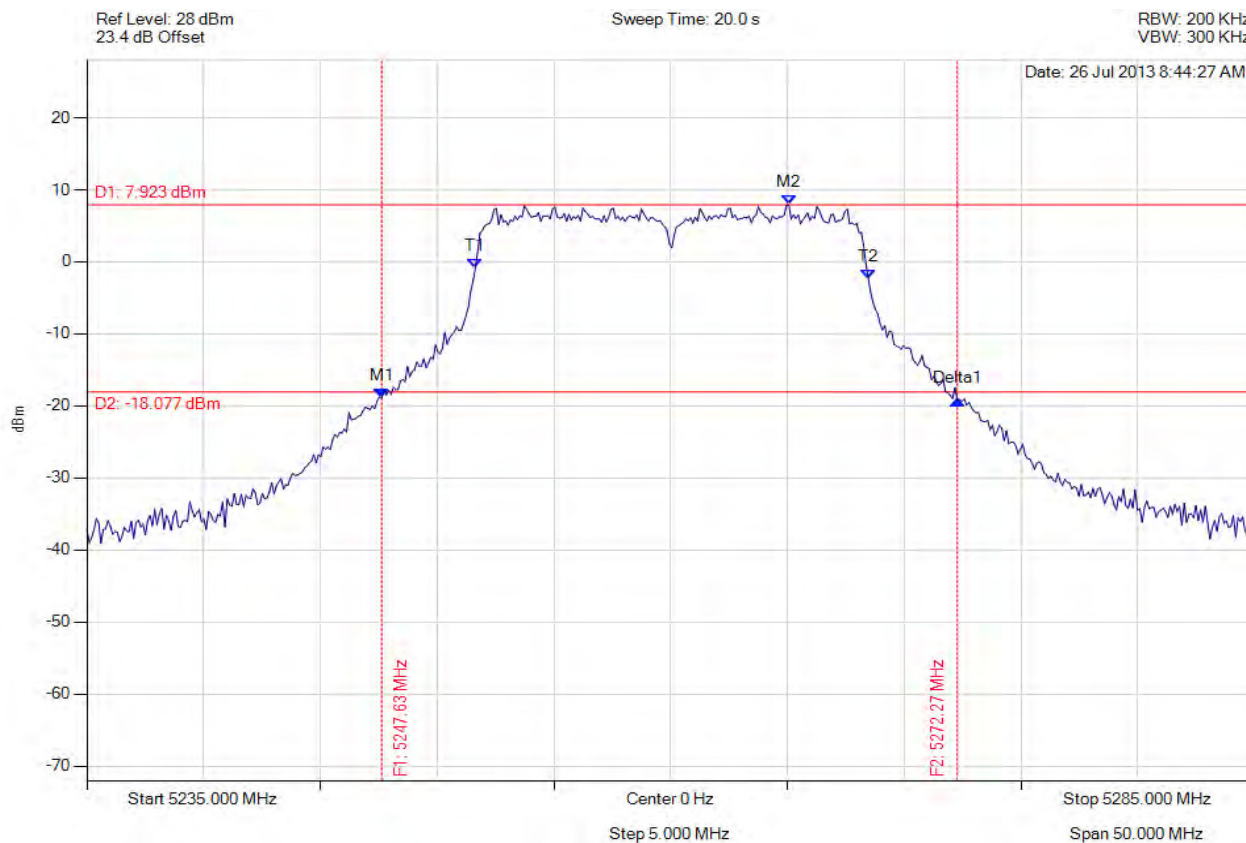
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5260.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5247.625 MHz : -18.933 dBm M2 : 5265.060 MHz : 7.923 dBm Delta1 : 24.649 MHz : -0.252 dB T1 : 5251.633 MHz : -0.889 dBm T2 : 5268.467 MHz : -2.354 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.649 MHz Measured 99% Bandwidth: 16.834 MHz

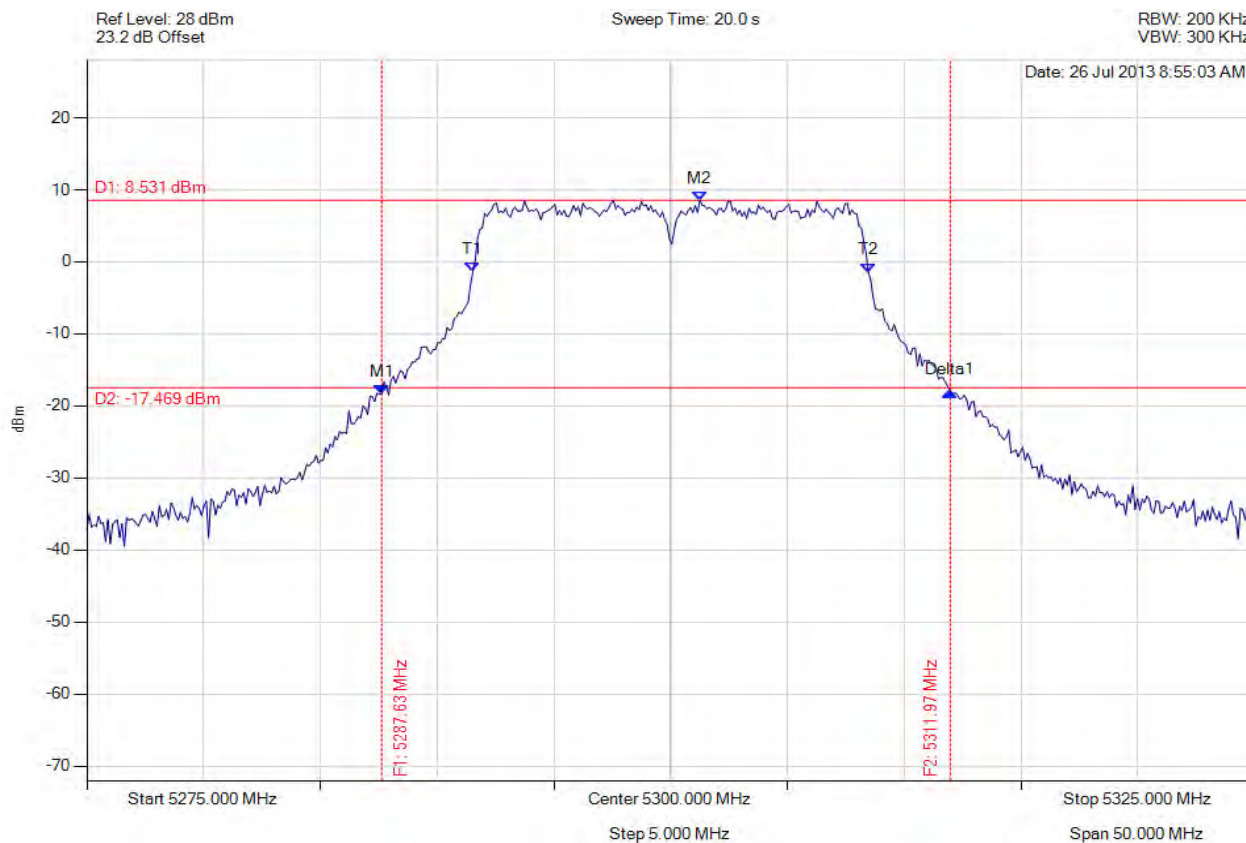
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.625 MHz : -18.312 dBm M2 : 5301.253 MHz : 8.531 dBm Delta1 : 24.349 MHz : 0.336 dB T1 : 5291.533 MHz : -1.388 dBm T2 : 5308.467 MHz : -1.453 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.349 MHz Measured 99% Bandwidth: 16.934 MHz

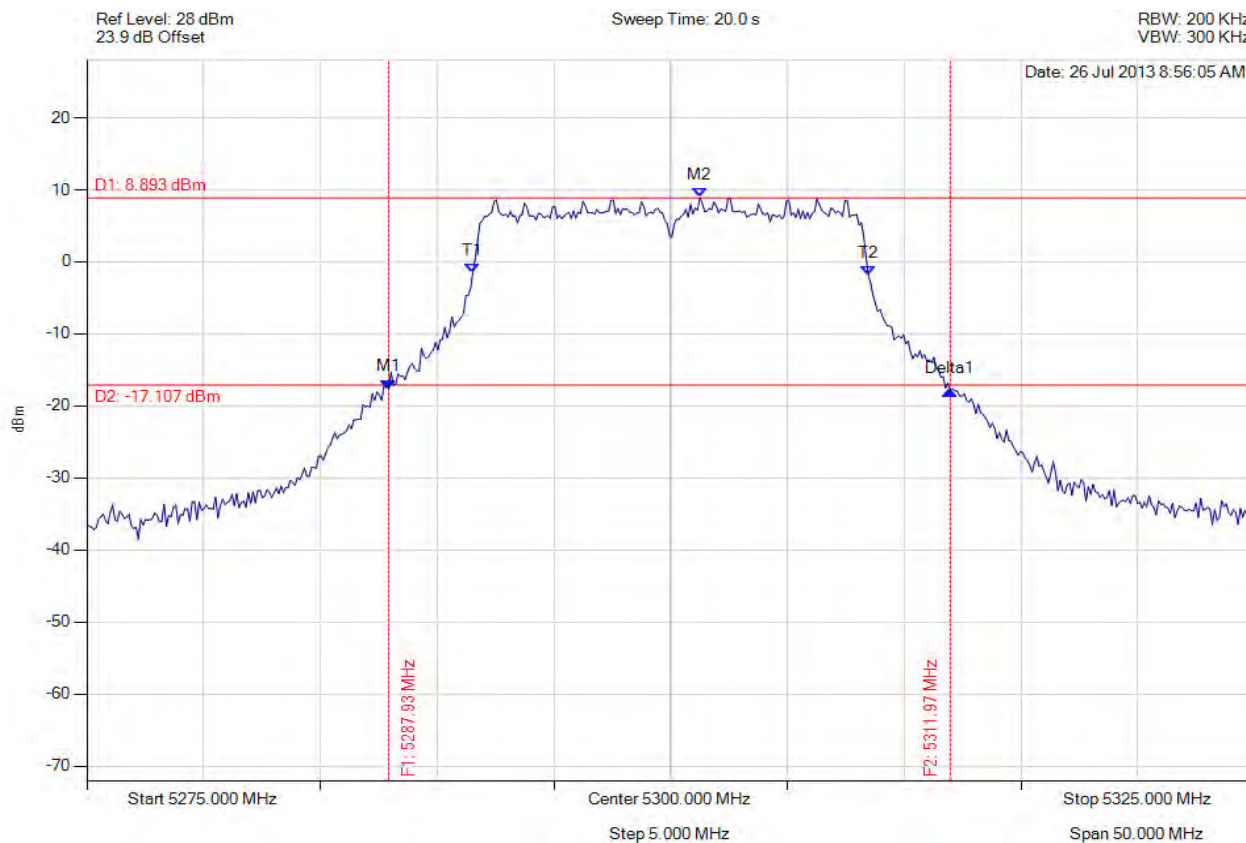
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.926 MHz : -17.629 dBm M2 : 5301.253 MHz : 8.893 dBm Delta1 : 24.048 MHz : -0.275 dB T1 : 5291.533 MHz : -1.473 dBm T2 : 5308.467 MHz : -1.845 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 16.934 MHz

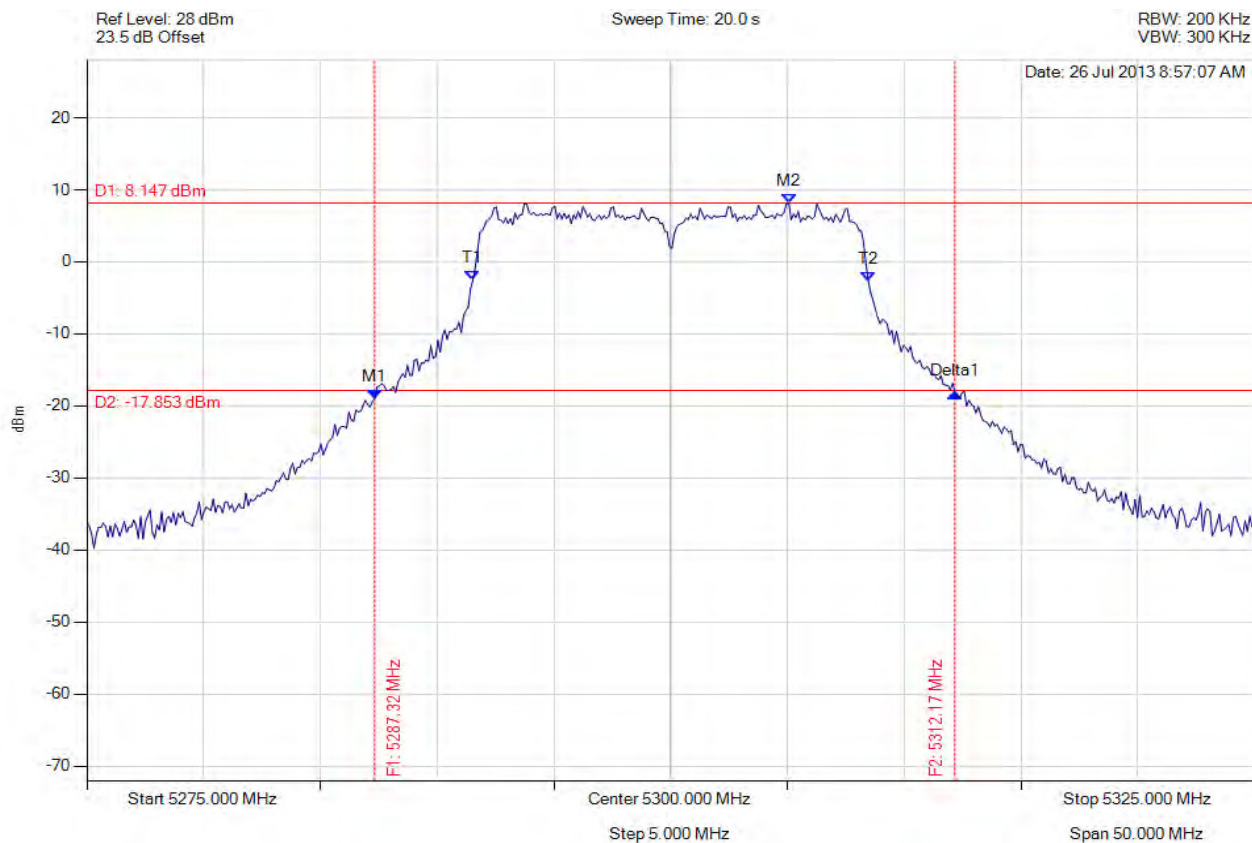
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5300.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.325 MHz : -19.010 dBm M2 : 5305.060 MHz : 8.147 dBm Delta1 : 24.850 MHz : 0.866 dB T1 : 5291.533 MHz : -2.561 dBm T2 : 5308.467 MHz : -2.720 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.850 MHz Measured 99% Bandwidth: 16.934 MHz

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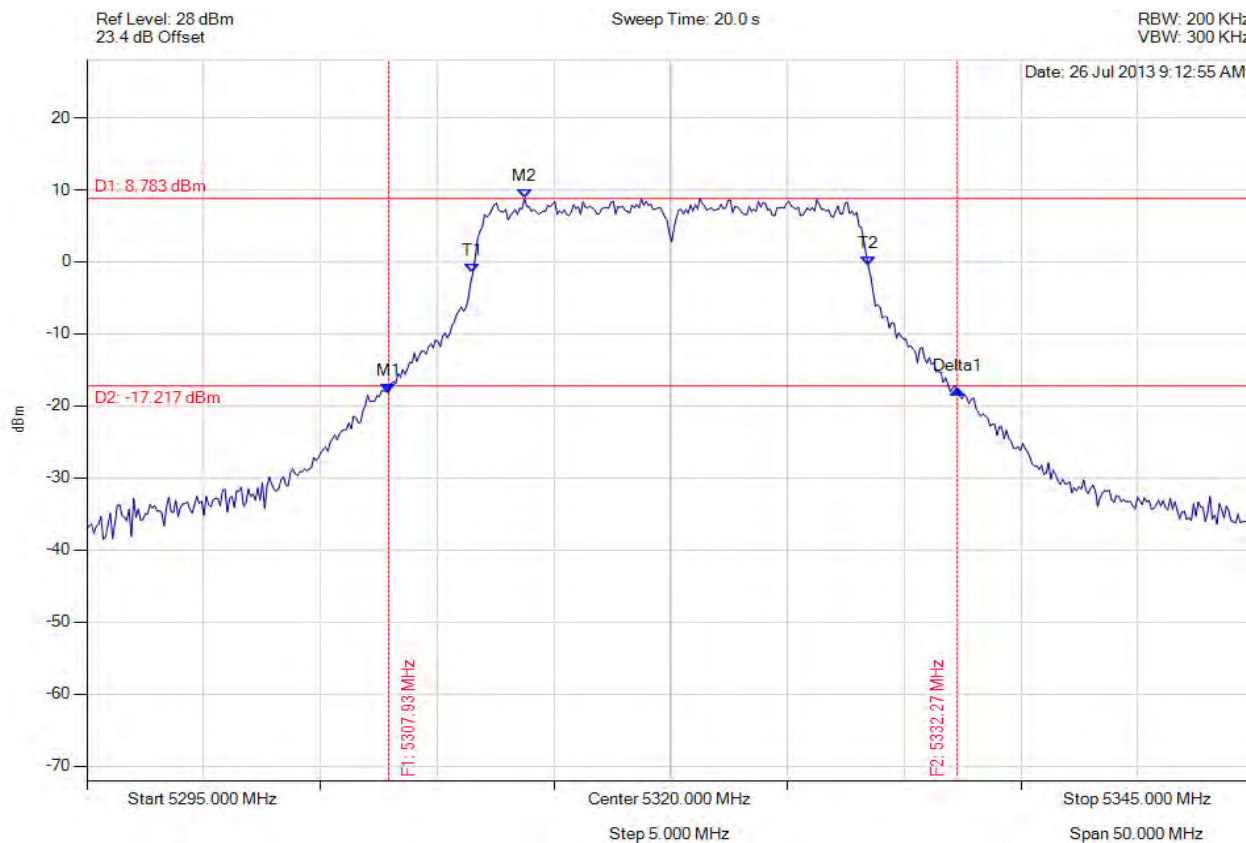
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.926 MHz : -18.150 dBm M2 : 5313.737 MHz : 8.783 dBm Delta1 : 24.349 MHz : 0.523 dB T1 : 5311.533 MHz : -1.567 dBm T2 : 5328.467 MHz : -0.609 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.349 MHz Measured 99% Bandwidth: 16.934 MHz

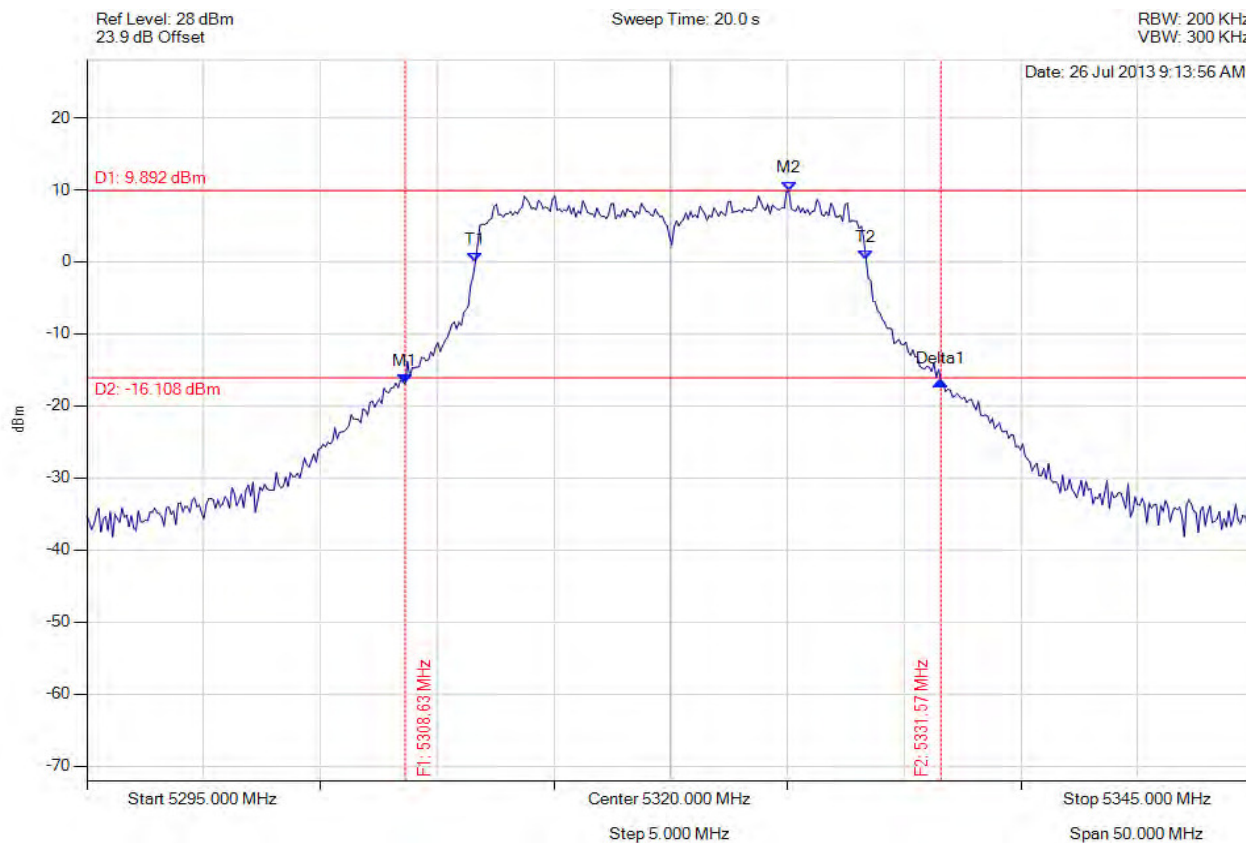
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5308.627 MHz : -16.950 dBm M2 : 5325.060 MHz : 9.892 dBm Delta1 : 22.946 MHz : 0.388 dB T1 : 5311.633 MHz : -0.062 dBm T2 : 5328.367 MHz : 0.341 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.946 MHz Measured 99% Bandwidth: 16.733 MHz

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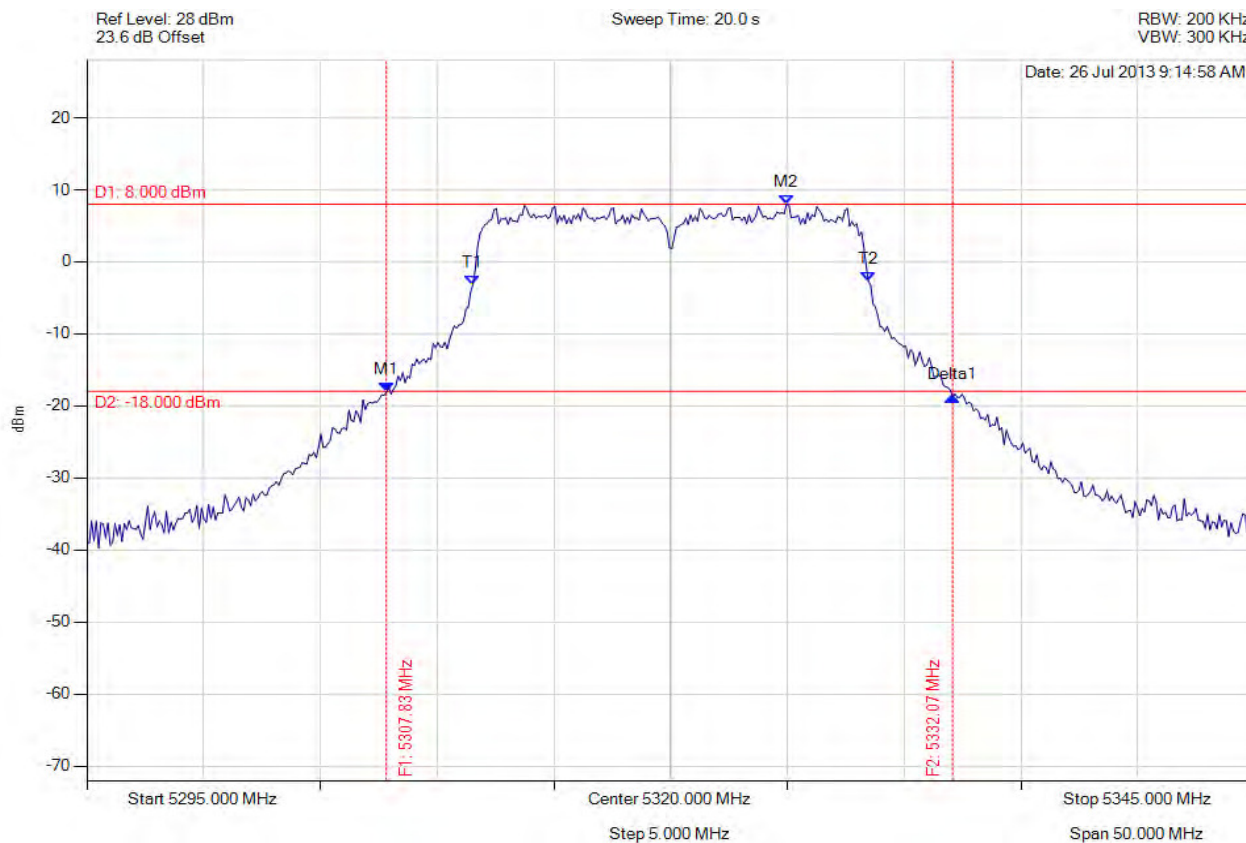


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5320.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.826 MHz : -18.101 dBm M2 : 5324.960 MHz : 8.000 dBm Delta1 : 24.248 MHz : -0.610 dB T1 : 5311.533 MHz : -3.177 dBm T2 : 5328.467 MHz : -2.685 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 16.934 MHz

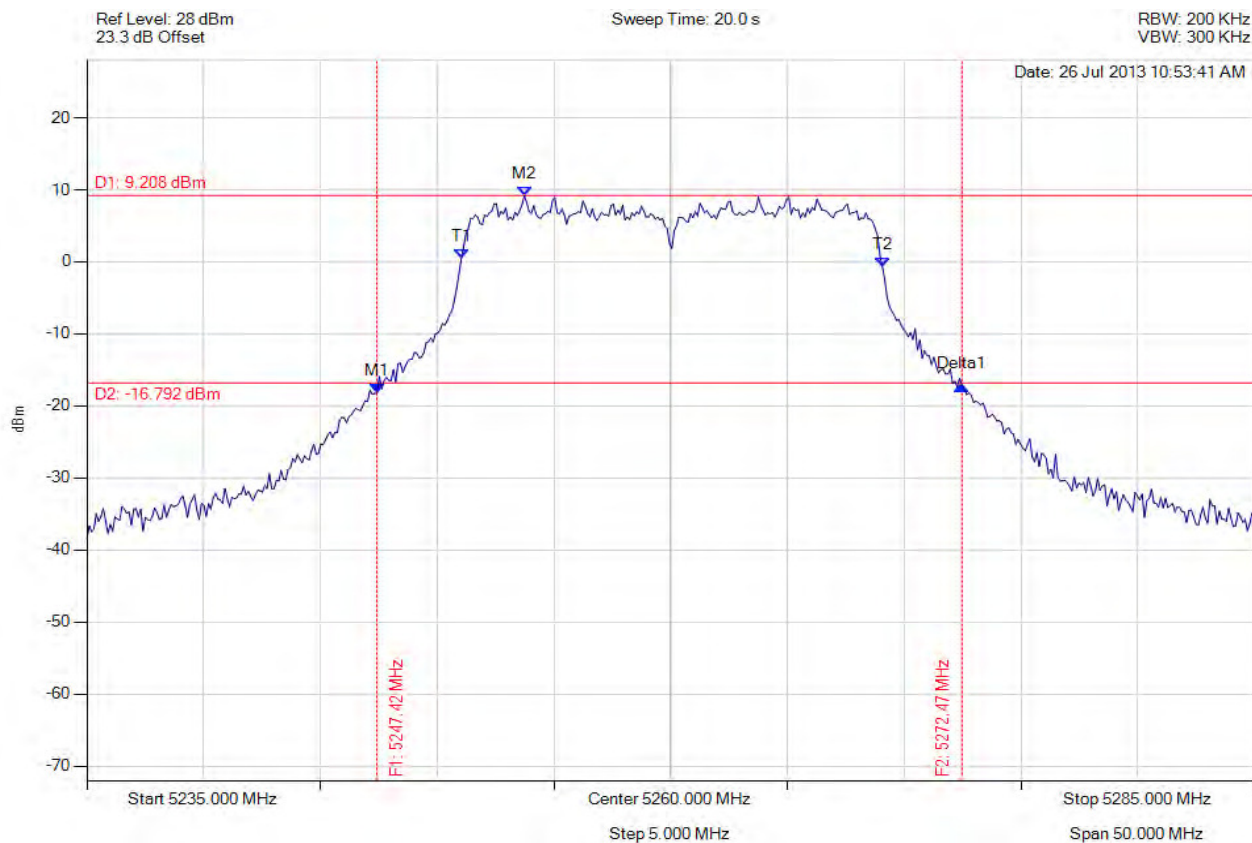
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5247.425 MHz : -18.186 dBm M2 : 5253.737 MHz : 9.208 dBm Delta1 : 25.050 MHz : 1.021 dB T1 : 5251.032 MHz : 0.426 dBm T2 : 5269.068 MHz : -0.647 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 25.050 MHz Measured 99% Bandwidth: 18.036 MHz

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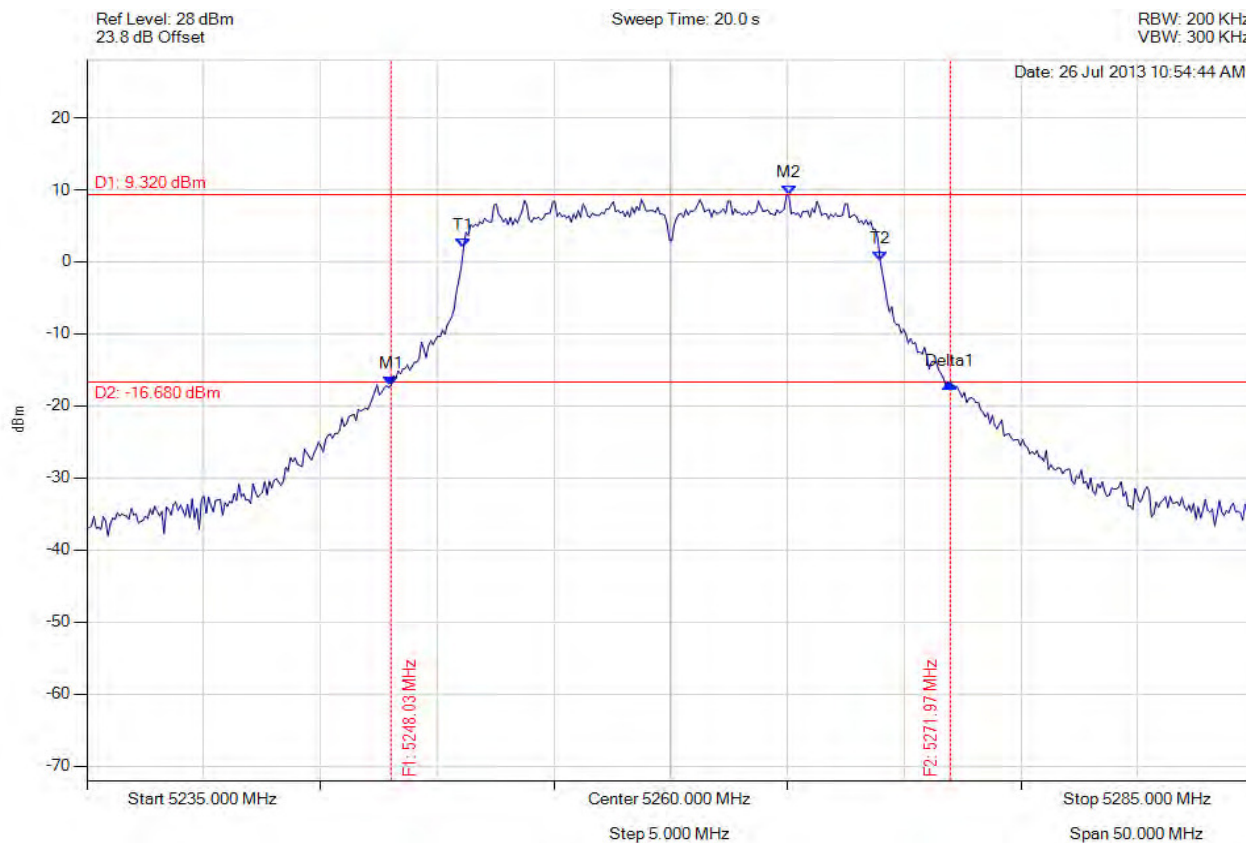


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5248.026 MHz : -17.224 dBm M2 : 5265.060 MHz : 9.320 dBm Delta1 : 23.948 MHz : 0.415 dB T1 : 5251.132 MHz : 2.009 dBm T2 : 5268.968 MHz : 0.201 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 17.836 MHz

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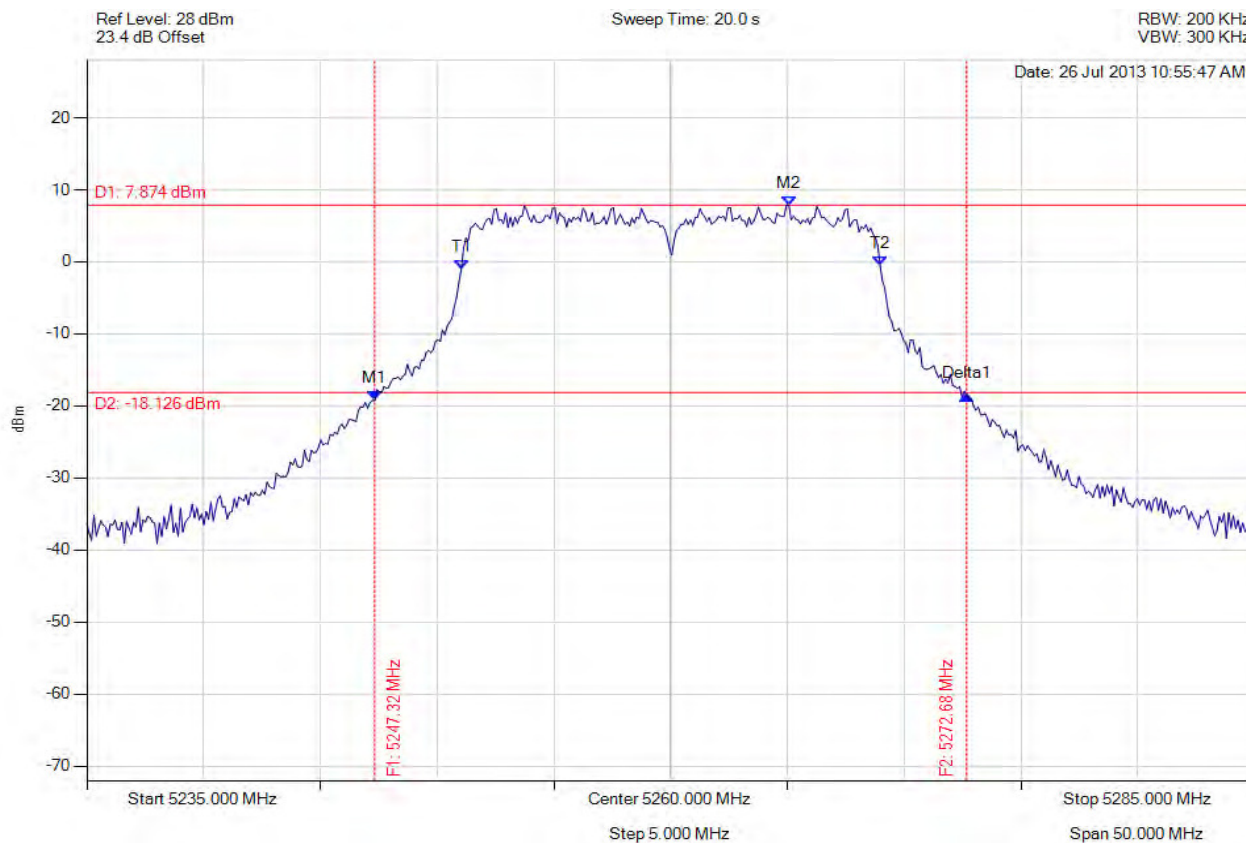
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5247.325 MHz : -19.252 dBm M2 : 5265.060 MHz : 7.874 dBm Delta1 : 25.351 MHz : 0.757 dB T1 : 5251.032 MHz : -1.056 dBm T2 : 5268.968 MHz : -0.501 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.351 MHz Measured 99% Bandwidth: 17.936 MHz

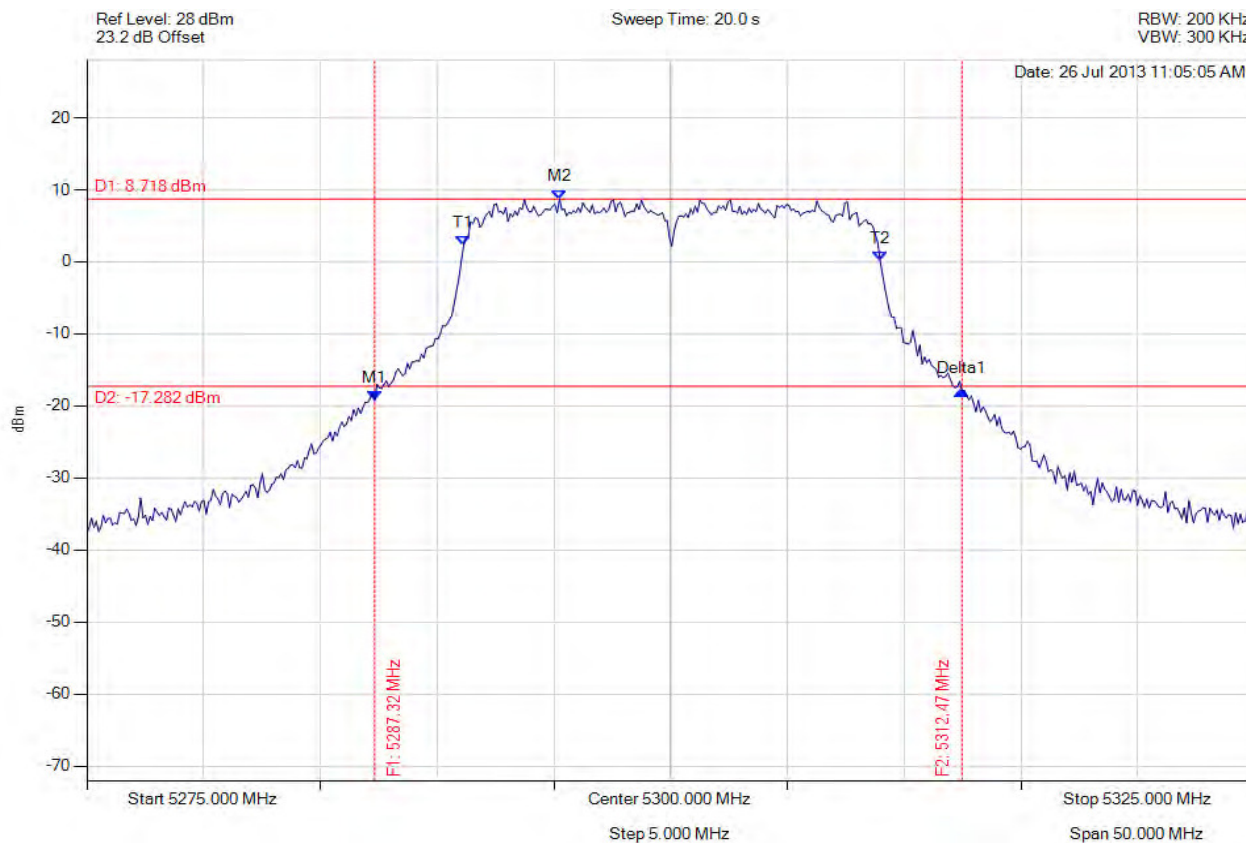
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.325 MHz : -19.254 dBm M2 : 5295.240 MHz : 8.718 dBm Delta1 : 25.150 MHz : 1.332 dB T1 : 5291.132 MHz : 2.237 dBm T2 : 5308.968 MHz : 0.156 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 25.150 MHz Measured 99% Bandwidth: 17.836 MHz

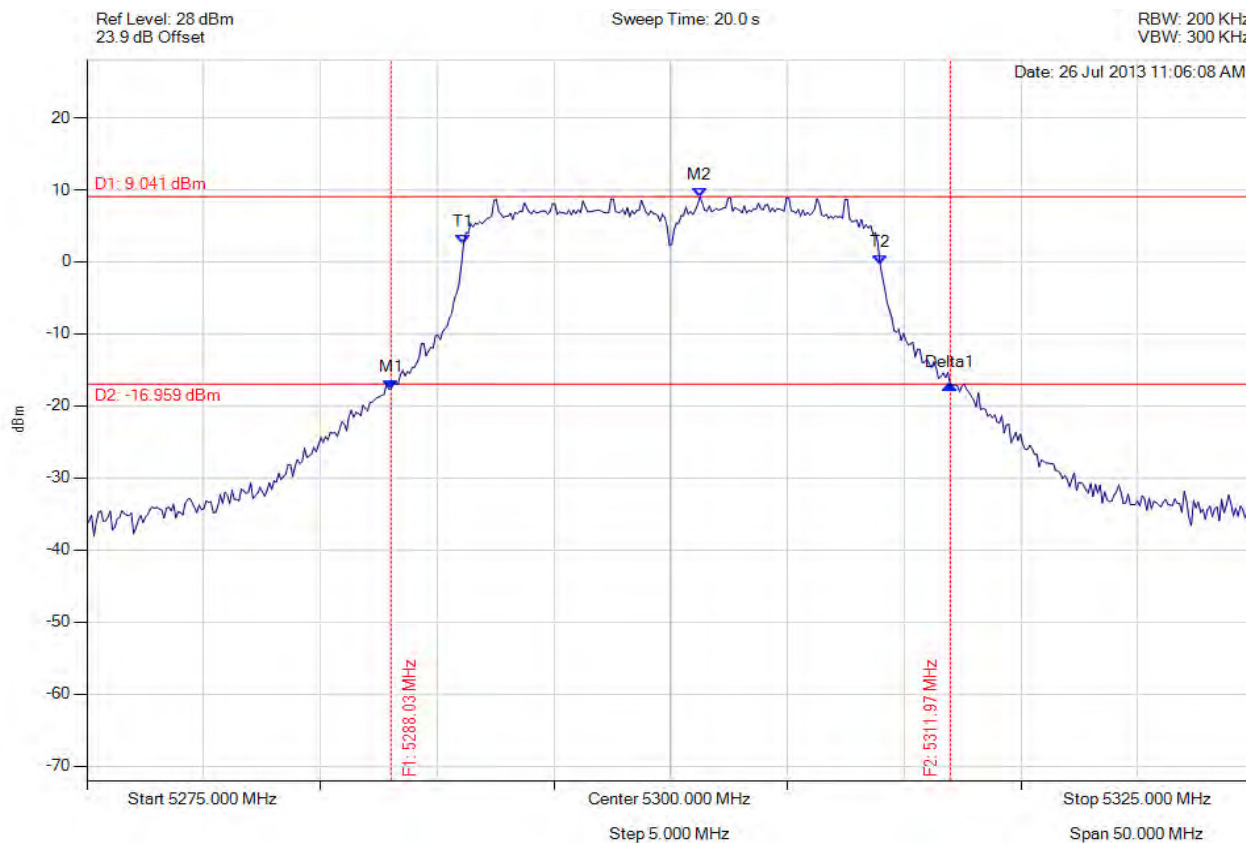
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5288.026 MHz : -17.696 dBm M2 : 5301.253 MHz : 9.041 dBm Delta1 : 23.948 MHz : 0.596 dB T1 : 5291.132 MHz : 2.476 dBm T2 : 5308.968 MHz : -0.322 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 17.836 MHz

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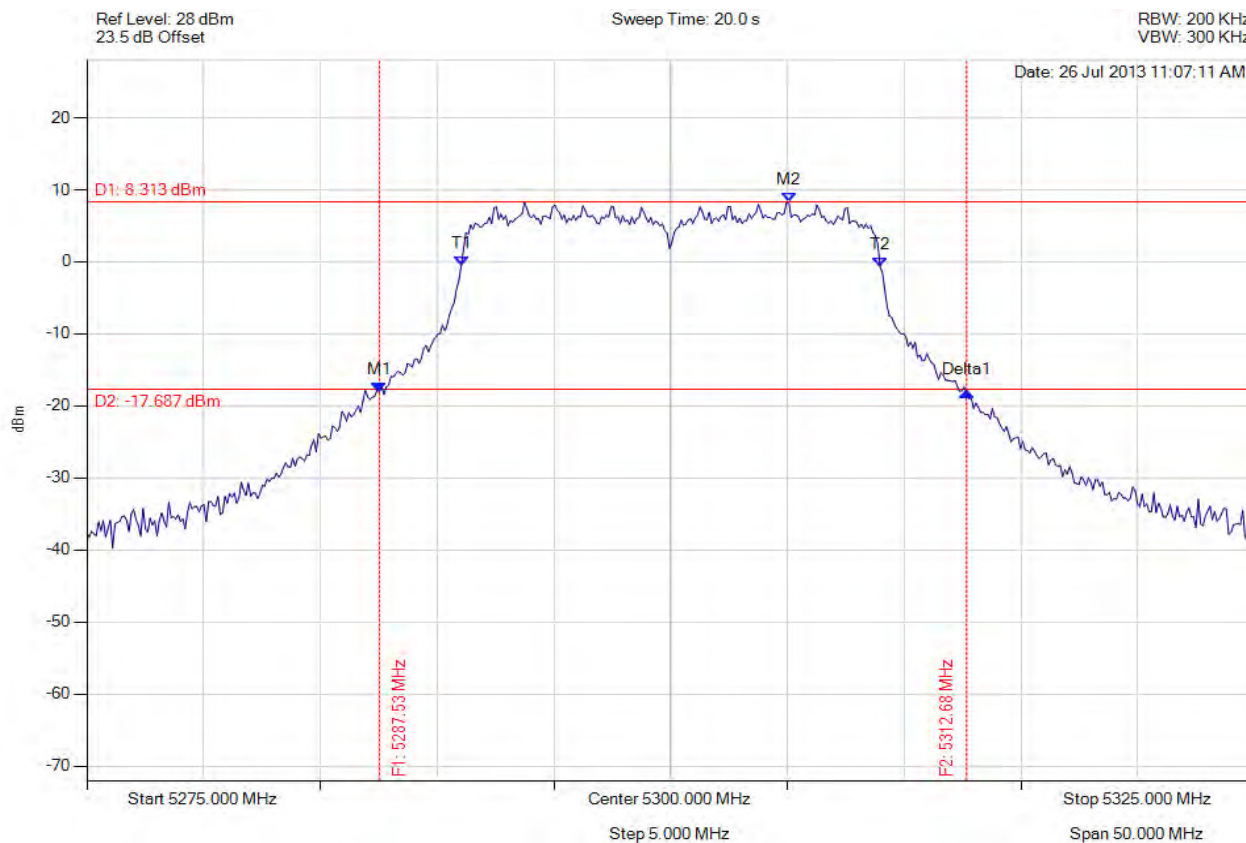


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
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**Issue Date:** 22nd February 2016  
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.525 MHz : -18.036 dBm M2 : 5305.060 MHz : 8.313 dBm Delta1 : 25.150 MHz : -0.067 dB T1 : 5291.032 MHz : -0.511 dBm T2 : 5308.968 MHz : -0.690 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.150 MHz Measured 99% Bandwidth: 17.936 MHz

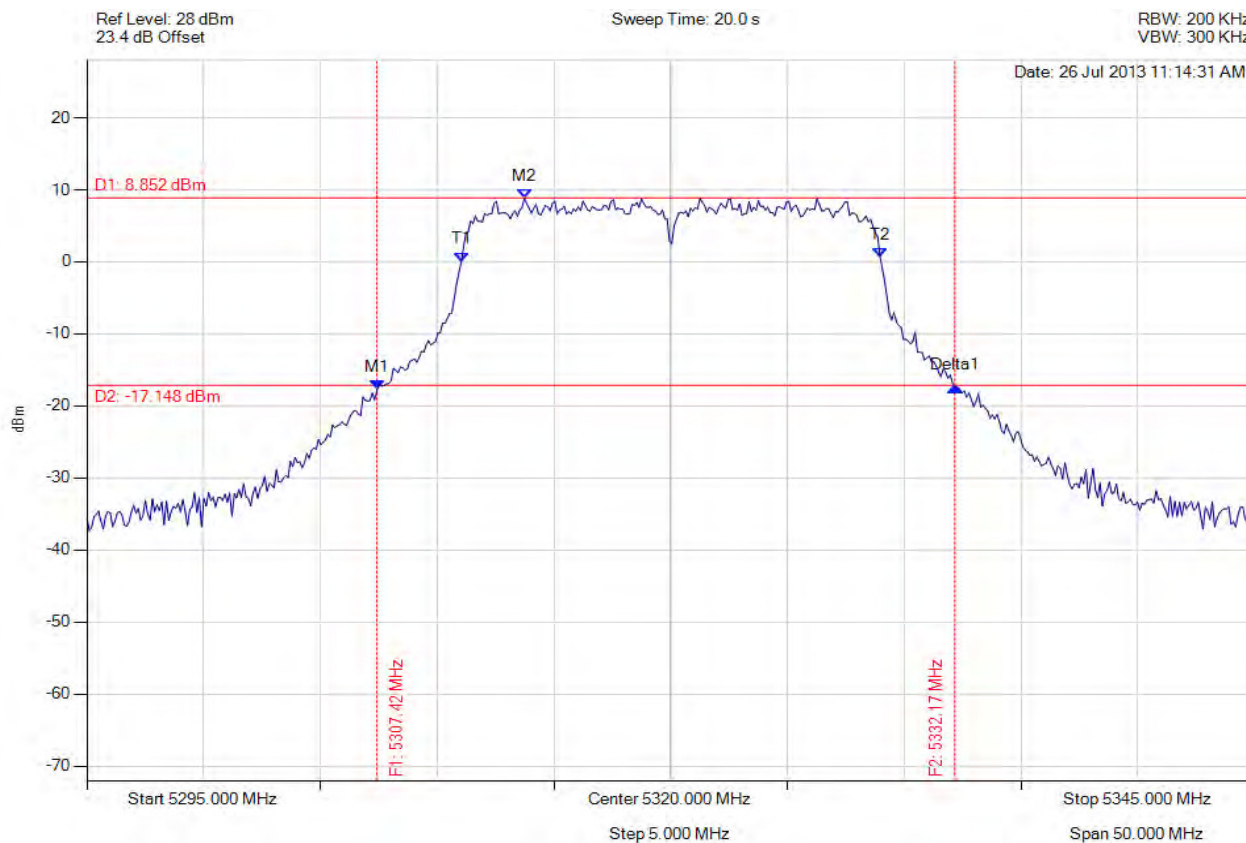
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.425 MHz : -17.786 dBm M2 : 5313.737 MHz : 8.852 dBm Delta1 : 24.749 MHz : 0.474 dB T1 : 5311.032 MHz : 0.048 dBm T2 : 5328.968 MHz : 0.622 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.749 MHz Measured 99% Bandwidth: 17.936 MHz

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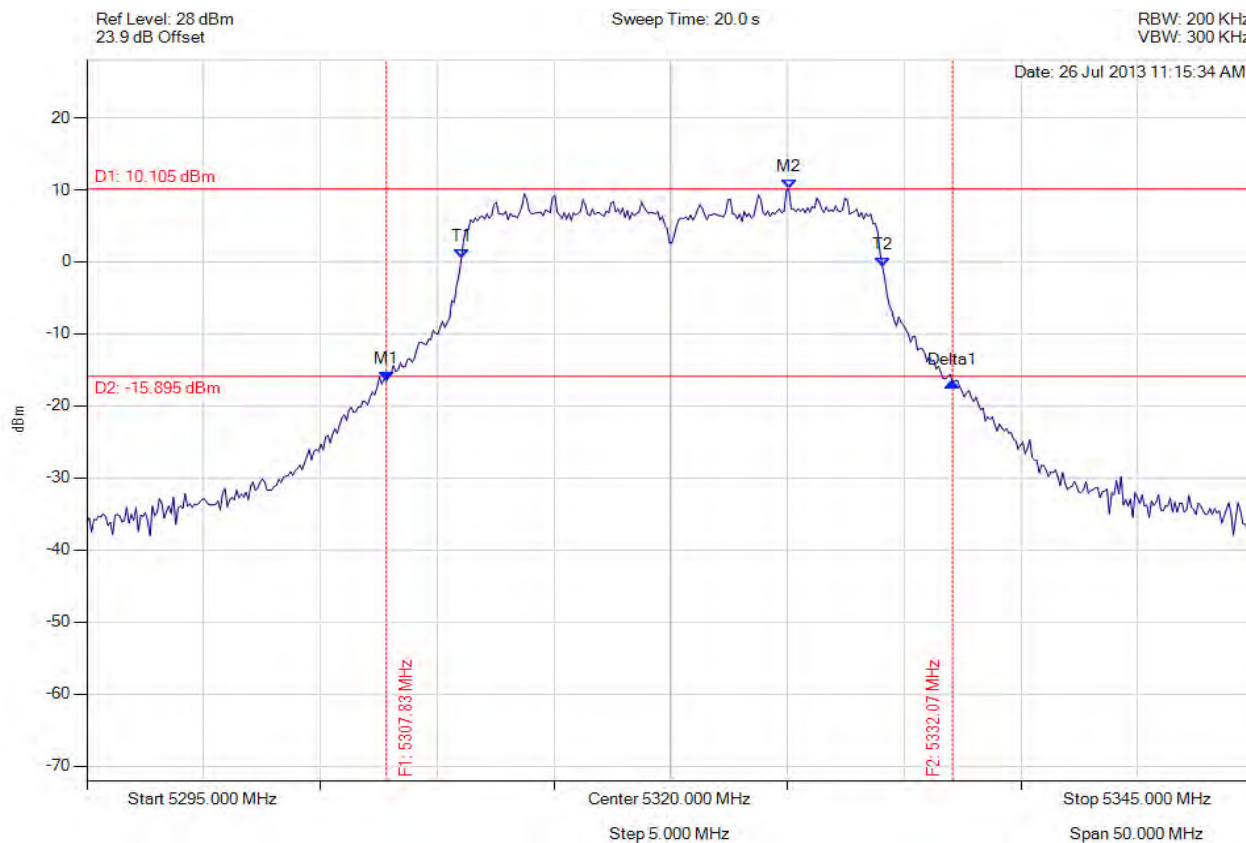


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.826 MHz : -16.622 dBm M2 : 5325.060 MHz : 10.105 dBm Delta1 : 24.248 MHz : -0.157 dB T1 : 5311.032 MHz : 0.406 dBm T2 : 5329.068 MHz : -0.643 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 18.036 MHz

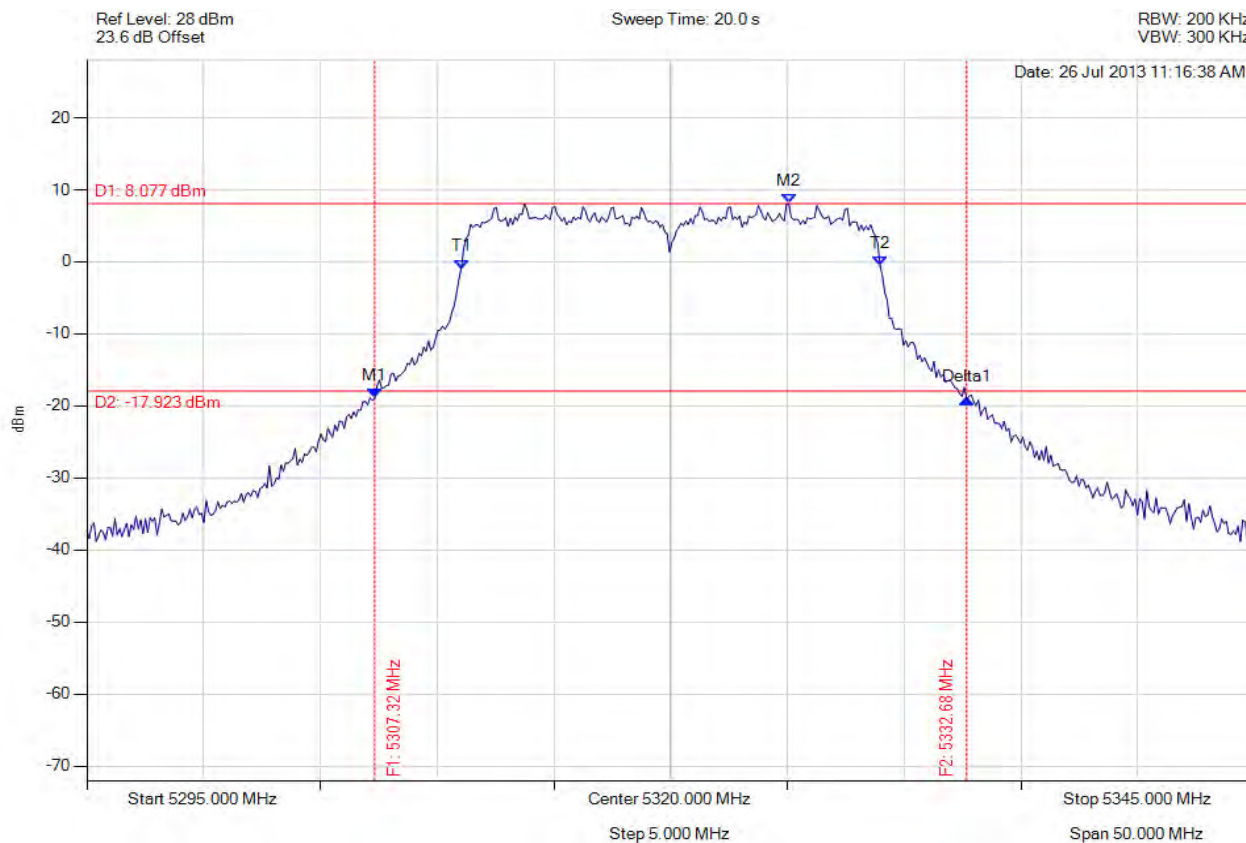
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.325 MHz : -18.949 dBm M2 : 5325.060 MHz : 8.077 dBm Delta1 : 25.351 MHz : -0.120 dB T1 : 5311.032 MHz : -0.956 dBm T2 : 5328.968 MHz : -0.550 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 25.351 MHz Measured 99% Bandwidth: 17.936 MHz

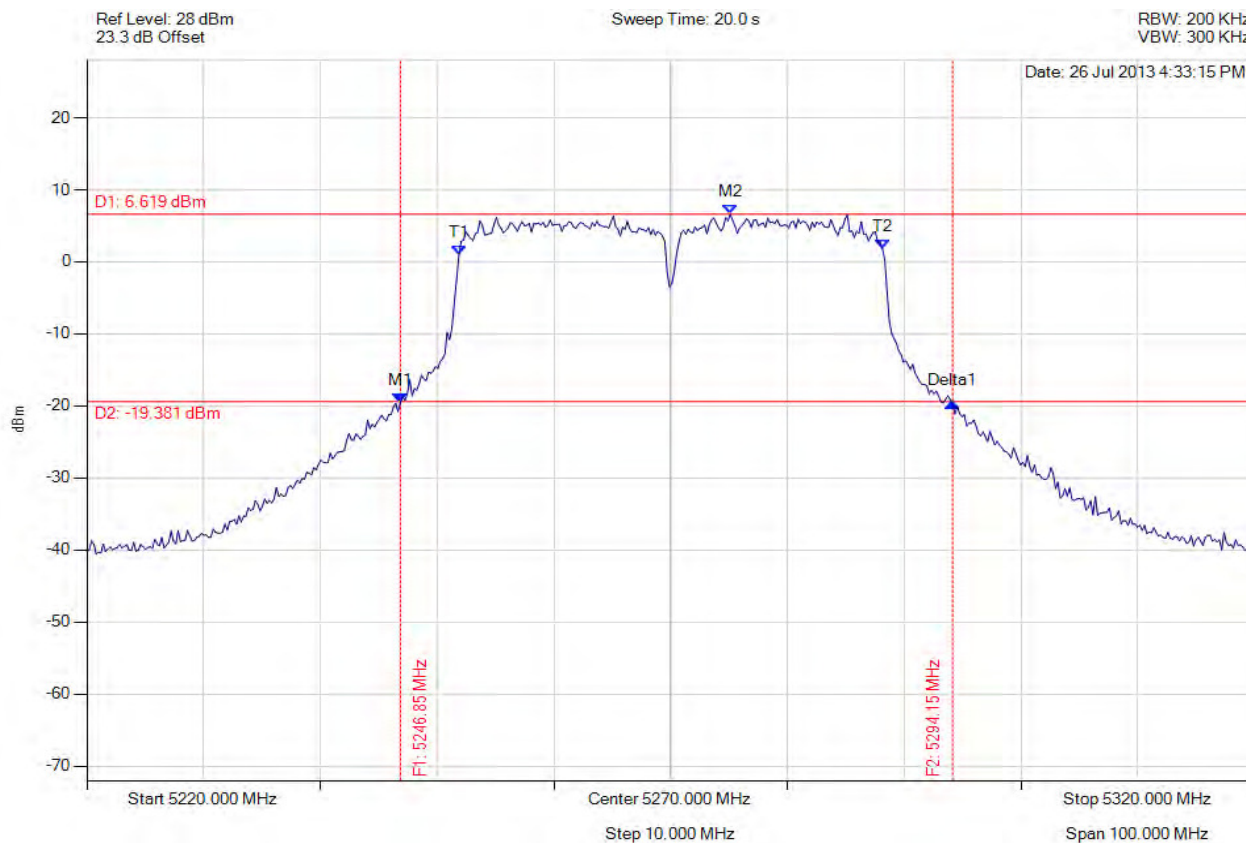
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.854 MHz : -19.539 dBm M2 : 5275.110 MHz : 6.619 dBm Delta1 : 47.295 MHz : -0.012 dB T1 : 5251.864 MHz : 1.008 dBm T2 : 5288.136 MHz : 1.840 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.295 MHz Measured 99% Bandwidth: 36.273 MHz

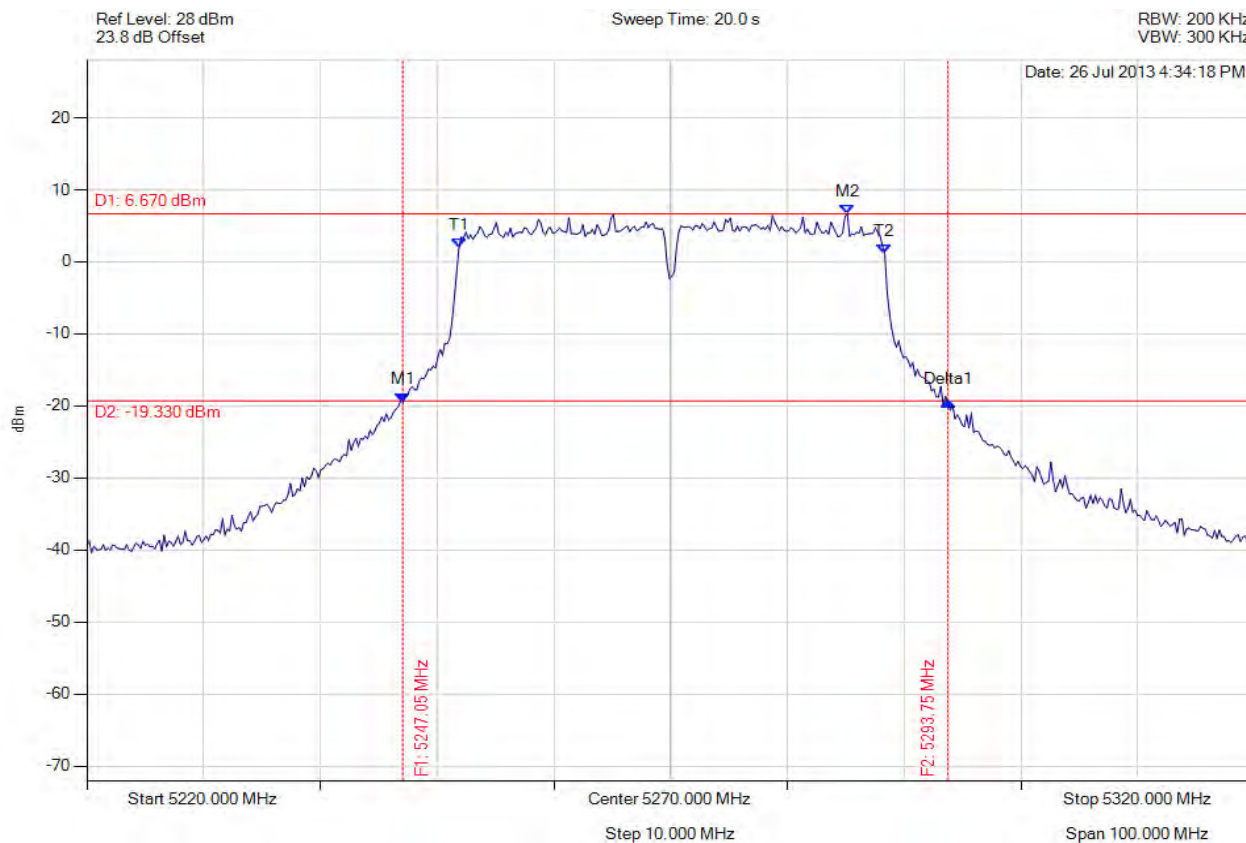
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5247.054 MHz : -19.474 dBm M2 : 5285.130 MHz : 6.670 dBm Delta1 : 46.693 MHz : 0.045 dB T1 : 5251.864 MHz : 1.974 dBm T2 : 5288.337 MHz : 1.155 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 46.693 MHz Measured 99% Bandwidth: 36.473 MHz

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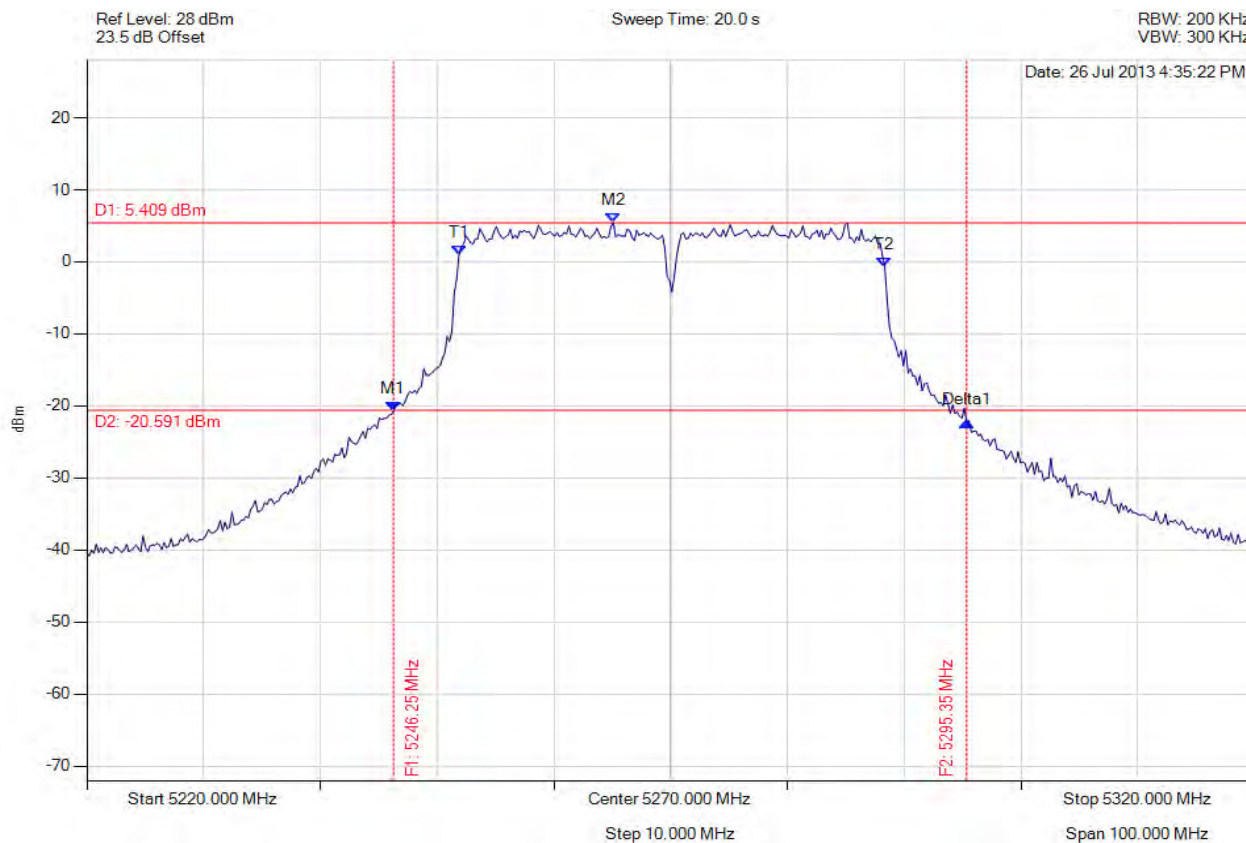


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.253 MHz : -20.761 dBm M2 : 5265.090 MHz : 5.409 dBm Delta1 : 49.098 MHz : -1.477 dB T1 : 5251.864 MHz : 1.008 dBm T2 : 5288.337 MHz : -0.666 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 49.098 MHz Measured 99% Bandwidth: 36.473 MHz

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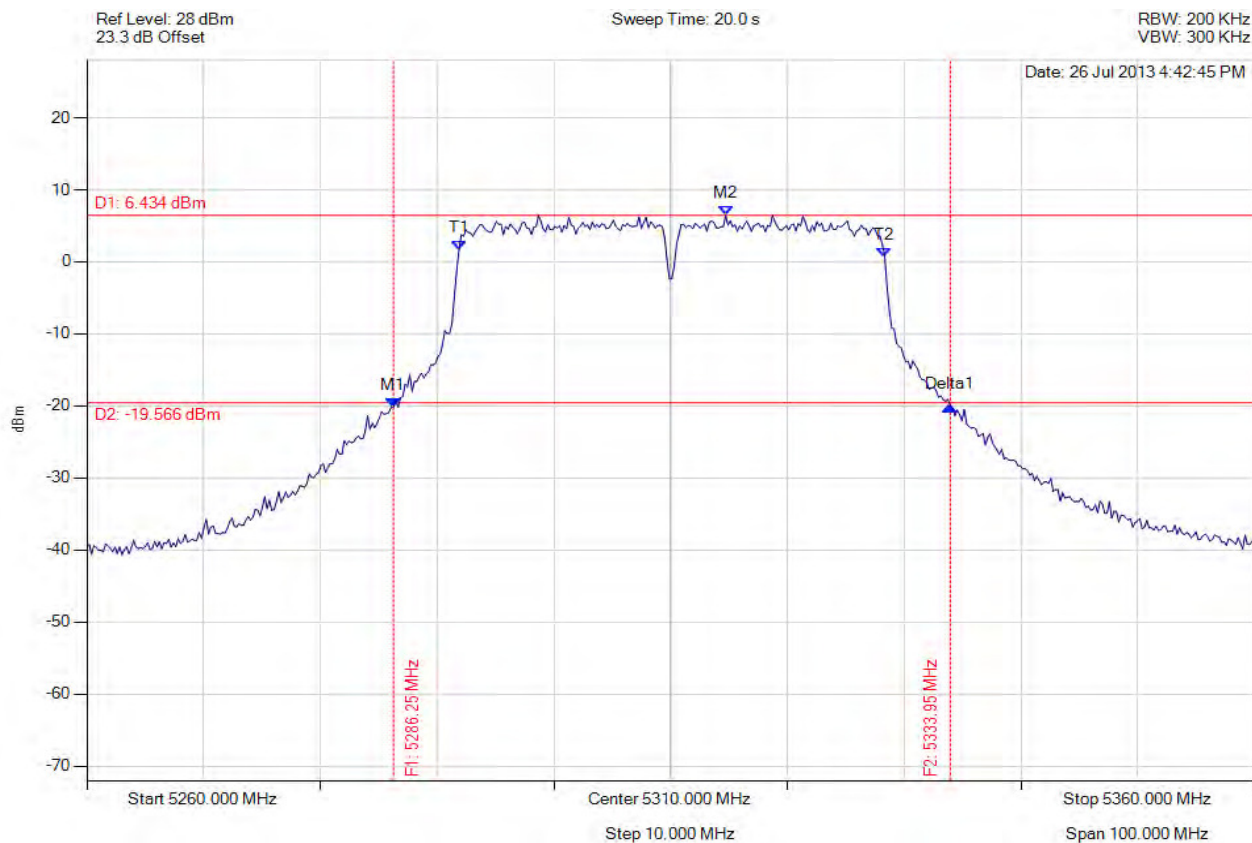


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5286.253 MHz : -20.157 dBm M2 : 5314.709 MHz : 6.434 dBm Delta1 : 47.695 MHz : 0.171 dB T1 : 5291.864 MHz : 1.606 dBm T2 : 5328.337 MHz : 0.644 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.473 MHz

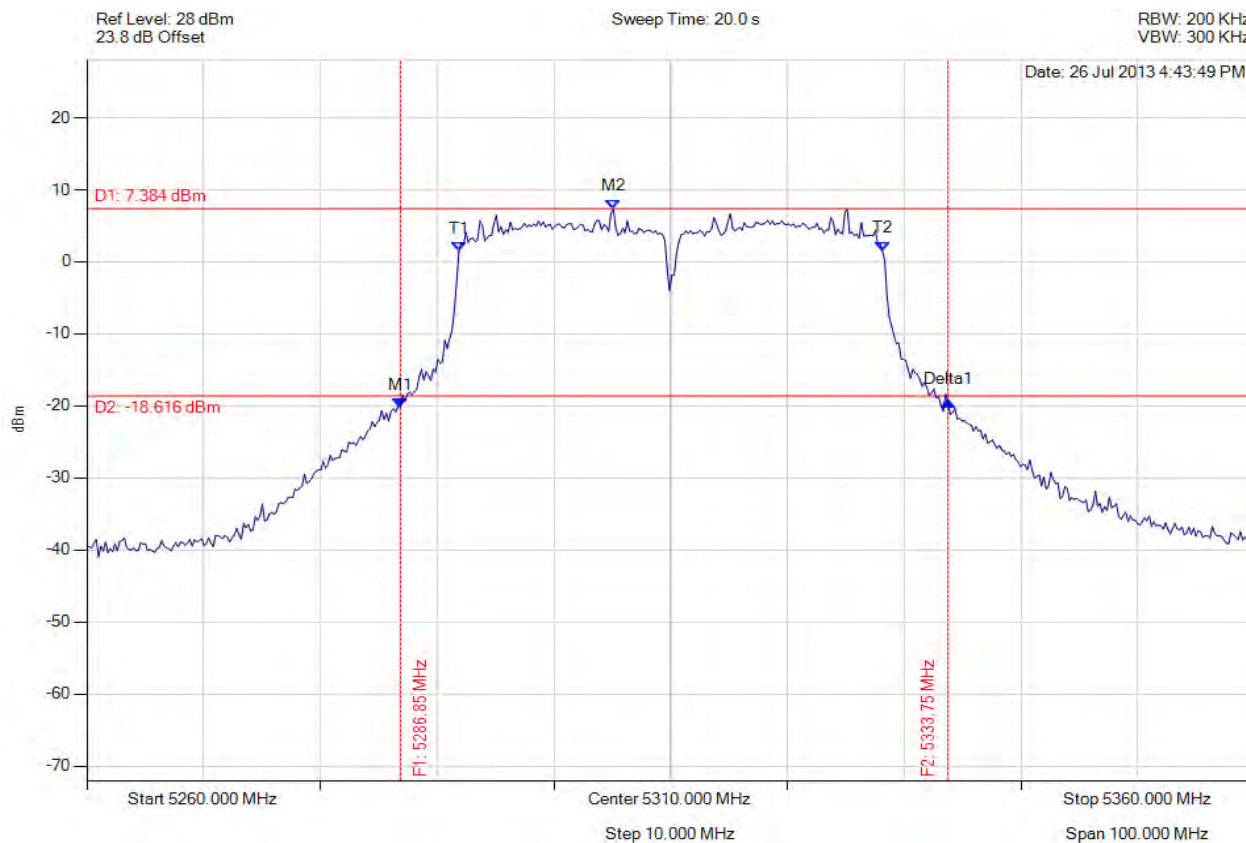
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5286.854 MHz : -20.147 dBm M2 : 5305.090 MHz : 7.384 dBm Delta1 : 46.894 MHz : 0.757 dB T1 : 5291.864 MHz : 1.512 dBm T2 : 5328.136 MHz : 1.543 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.273 MHz

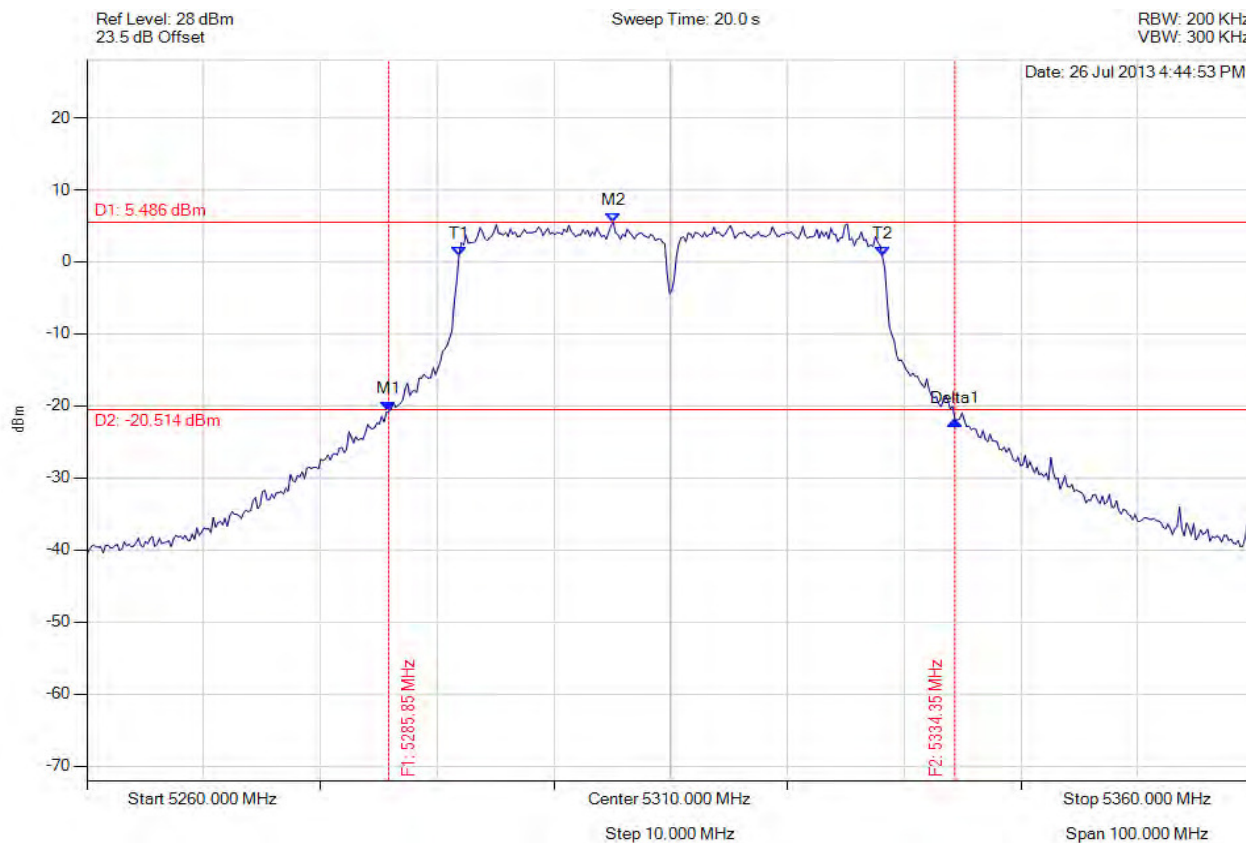
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5285.852 MHz : -20.779 dBm M2 : 5305.090 MHz : 5.486 dBm Delta1 : 48.497 MHz : -1.222 dB T1 : 5291.864 MHz : 0.831 dBm T2 : 5328.136 MHz : 0.738 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth : 48.497 MHz Measured 99% Bandwidth : 36.273 MHz

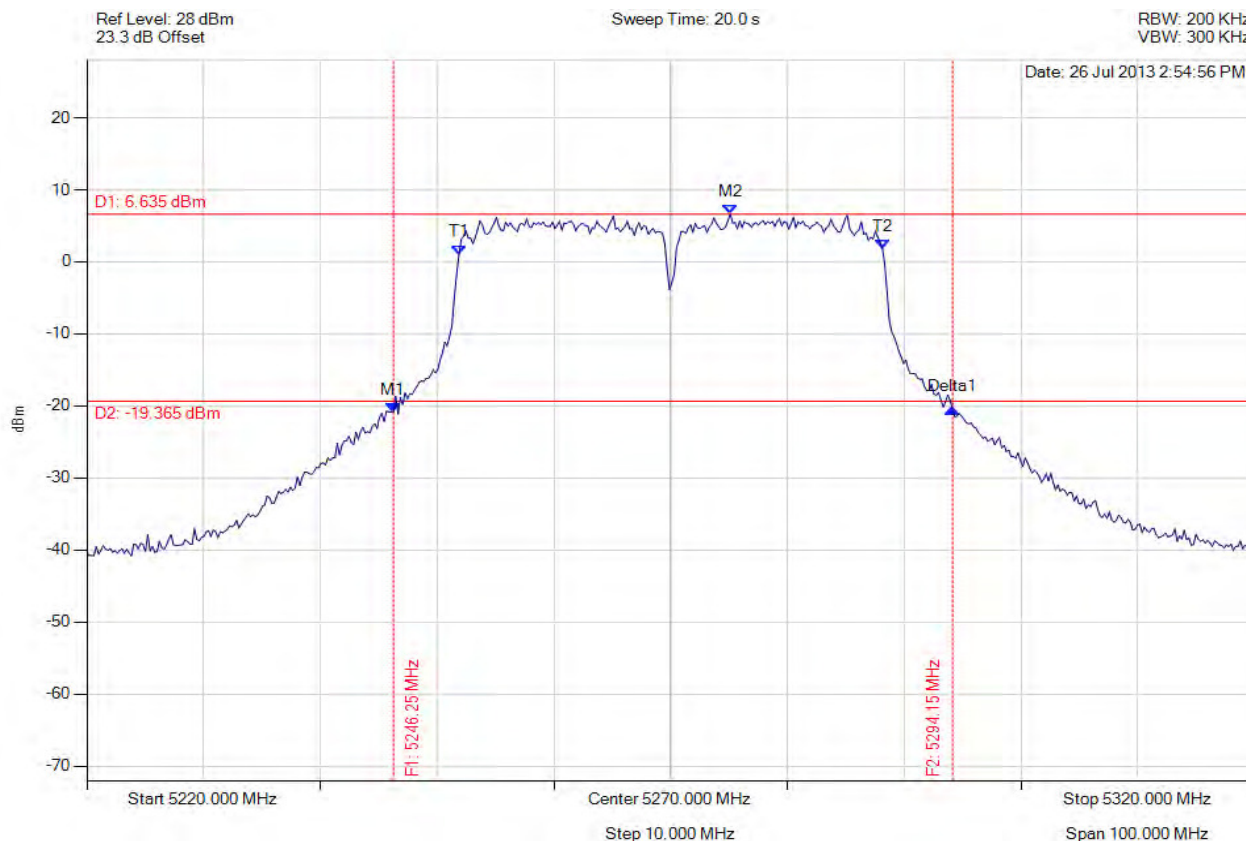
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5270.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.253 MHz : -20.816 dBm M2 : 5275.110 MHz : 6.635 dBm Delta1 : 47.896 MHz : 0.364 dB T1 : 5251.864 MHz : 1.041 dBm T2 : 5288.136 MHz : 1.828 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.896 MHz Measured 99% Bandwidth: 36.273 MHz

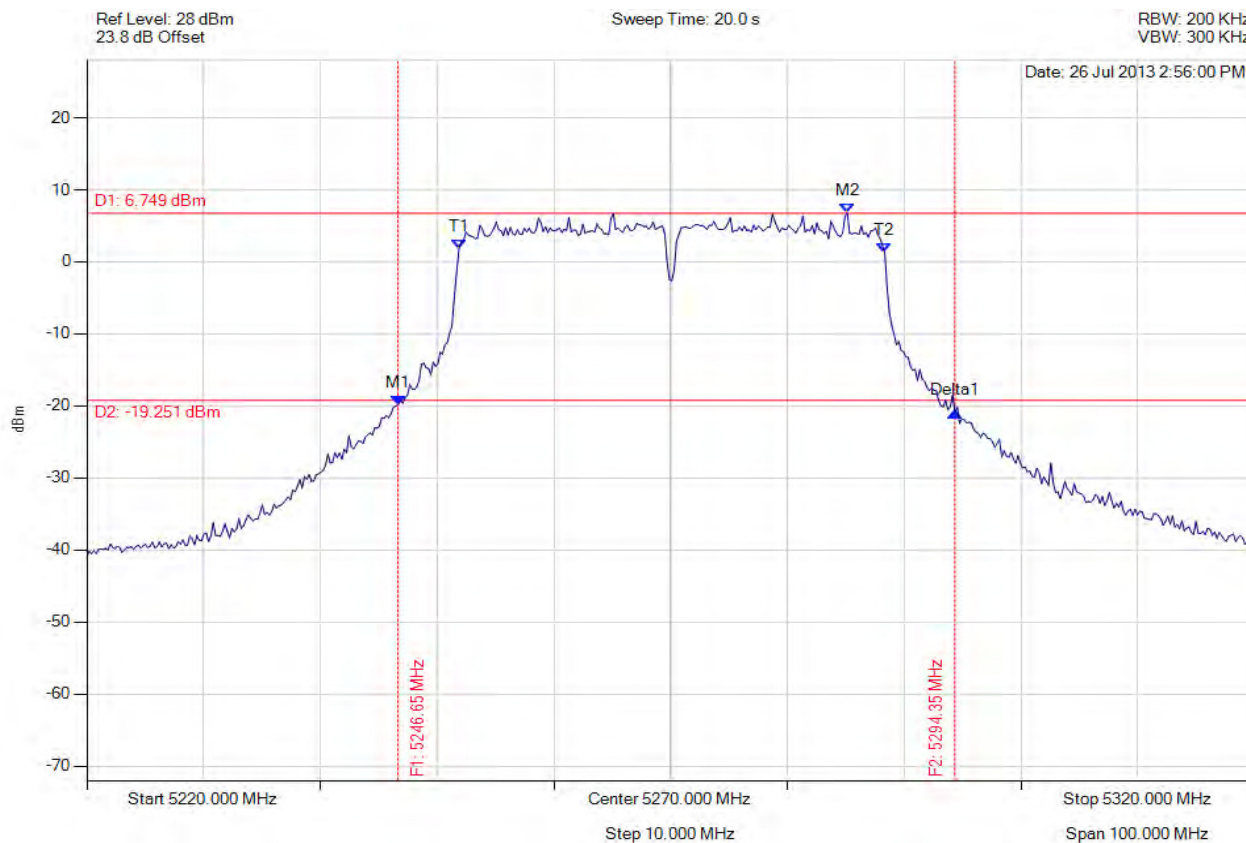
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5270.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5246.653 MHz : -19.828 dBm M2 : 5285.130 MHz : 6.749 dBm Delta1 : 47.695 MHz : -1.123 dB T1 : 5251.864 MHz : 1.750 dBm T2 : 5288.337 MHz : 1.258 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.473 MHz

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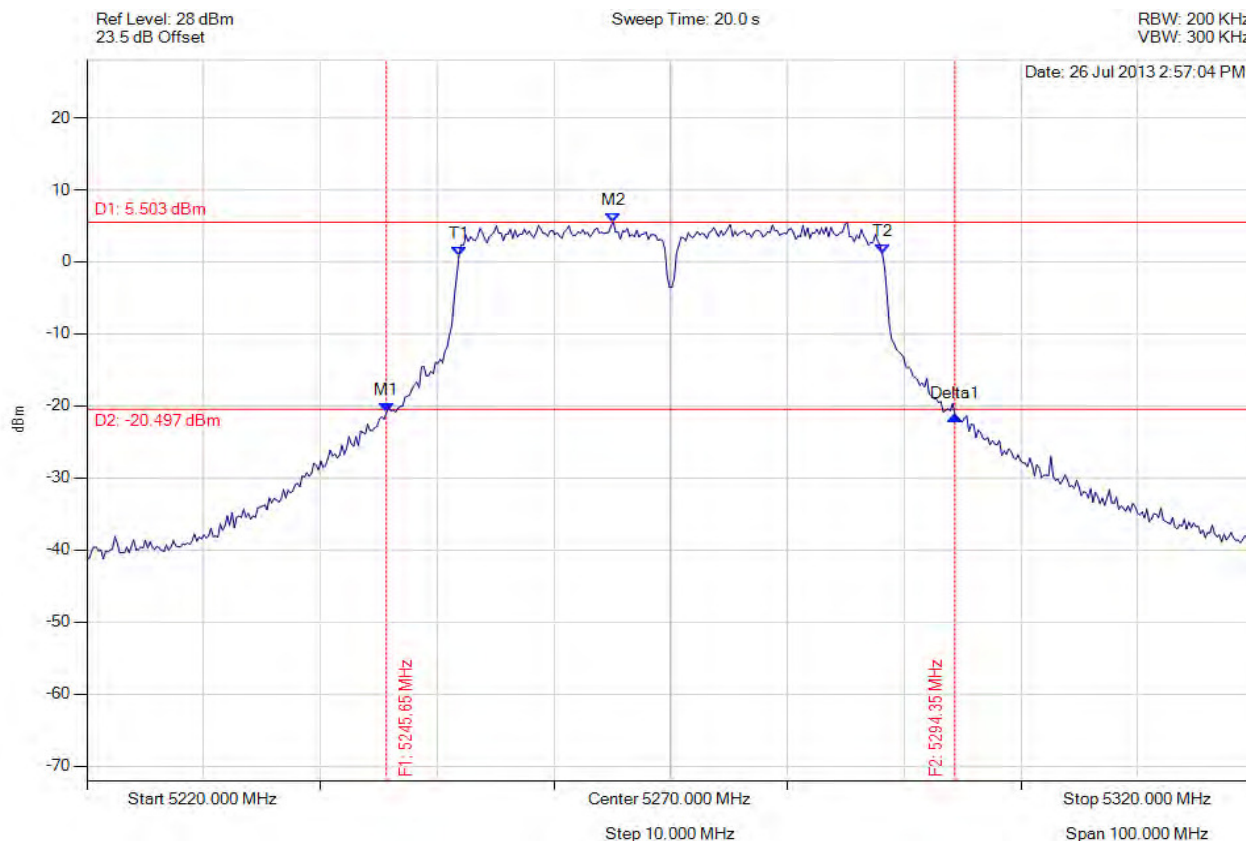
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5270.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5245.651 MHz : -20.926 dBm M2 : 5265.090 MHz : 5.503 dBm Delta1 : 48.697 MHz : -0.474 dB T1 : 5251.864 MHz : 0.774 dBm T2 : 5288.136 MHz : 1.075 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 48.697 MHz Measured 99% Bandwidth: 36.273 MHz

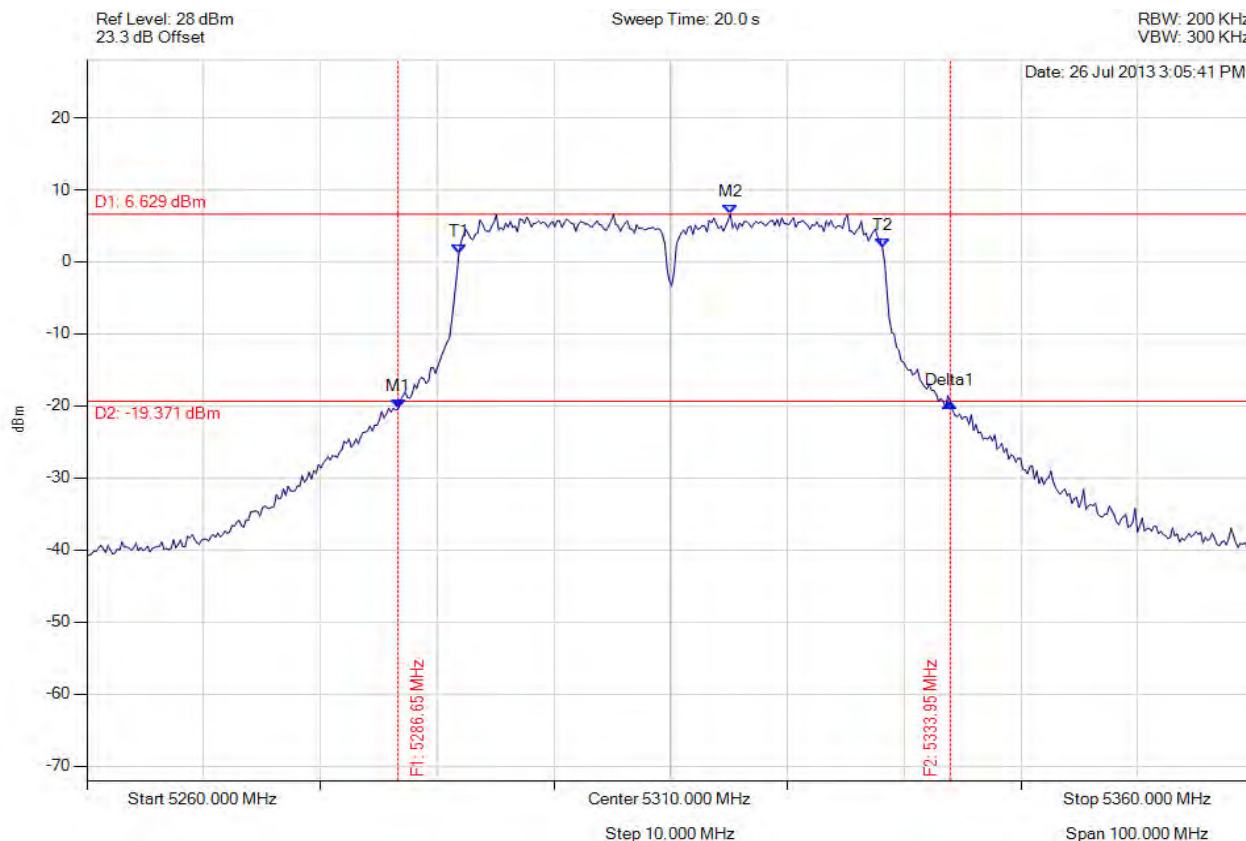
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5310.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5286.653 MHz : -20.403 dBm M2 : 5315.110 MHz : 6.629 dBm Delta1 : 47.295 MHz : 0.925 dB T1 : 5291.864 MHz : 1.203 dBm T2 : 5328.136 MHz : 1.994 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.295 MHz Measured 99% Bandwidth: 36.273 MHz

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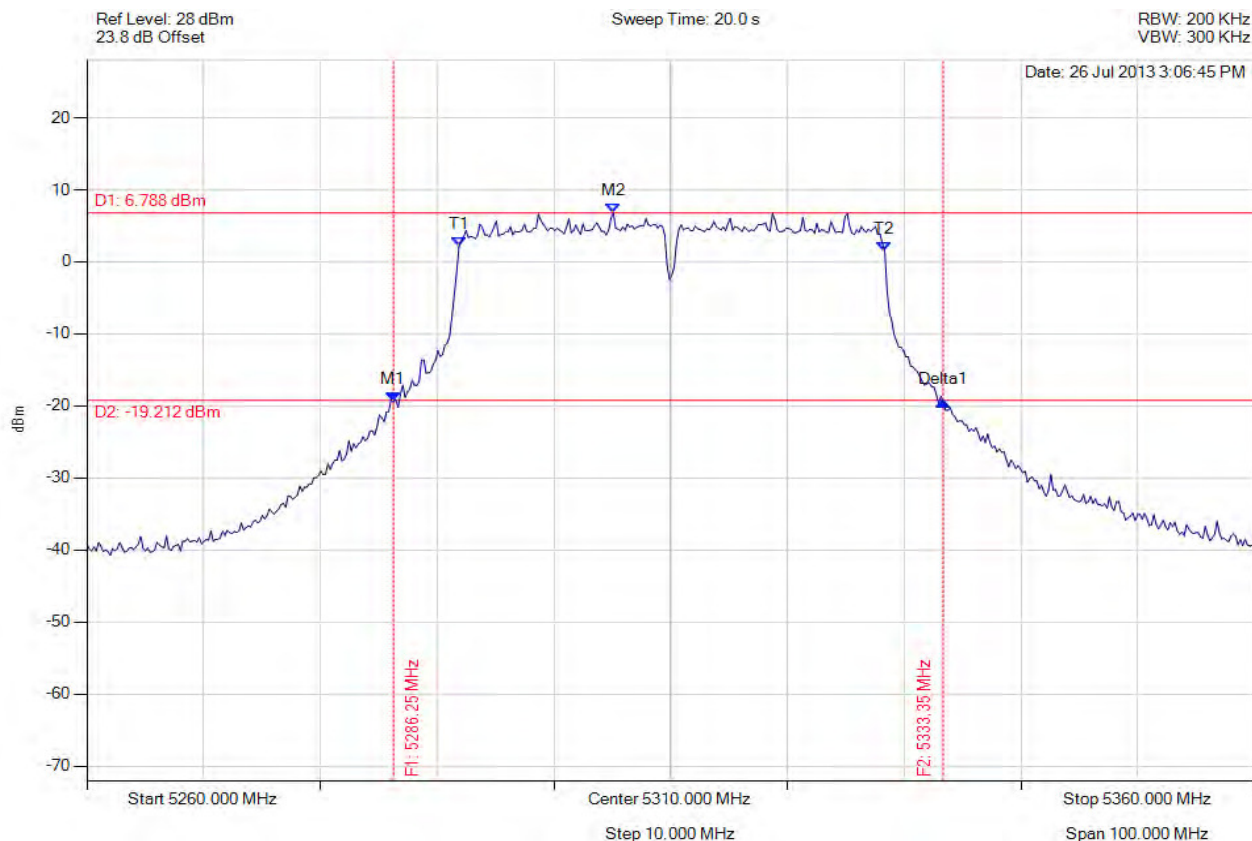


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5310.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5286.253 MHz : -19.431 dBm M2 : 5305.090 MHz : 6.788 dBm Delta1 : 47.094 MHz : -0.024 dB T1 : 5291.864 MHz : 2.056 dBm T2 : 5328.337 MHz : 1.447 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.094 MHz Measured 99% Bandwidth: 36.473 MHz

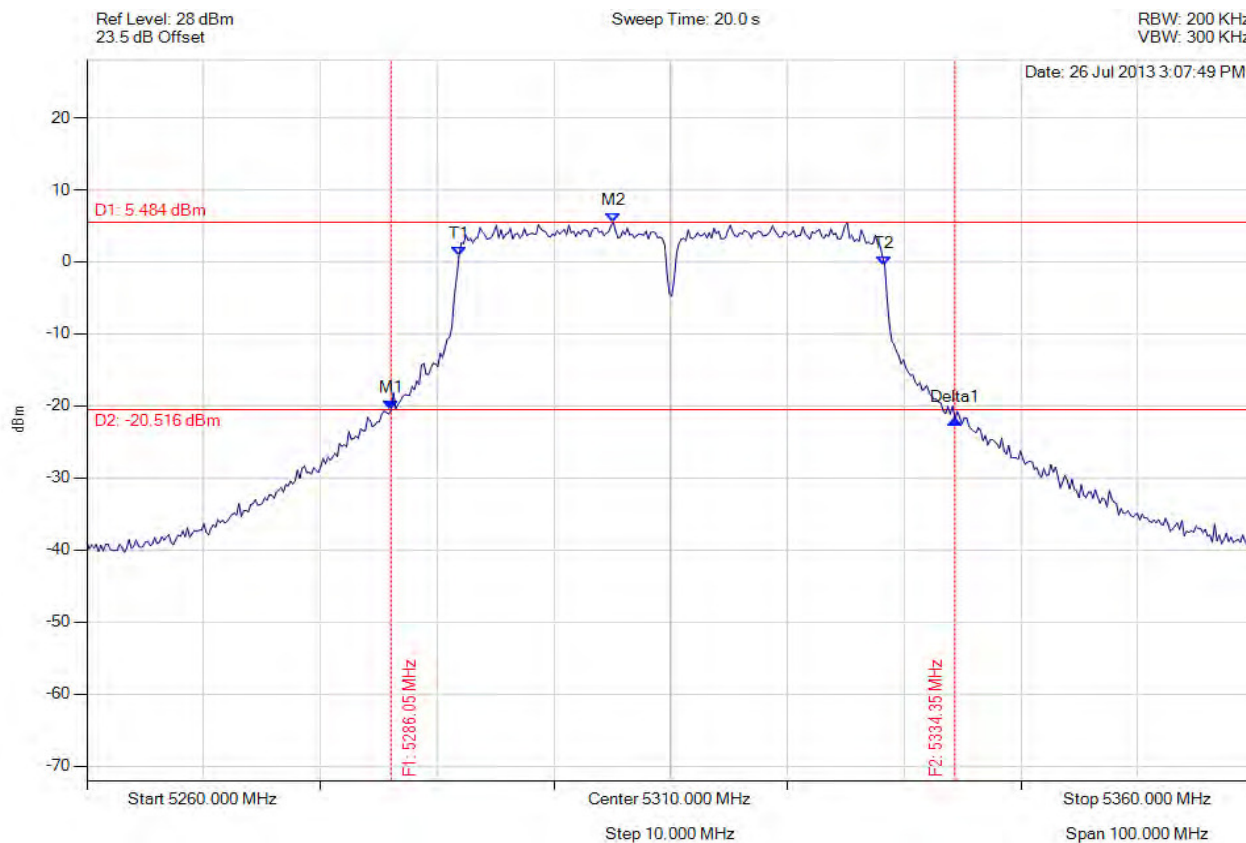
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5310.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5286.052 MHz : -20.627 dBm M2 : 5305.090 MHz : 5.484 dBm Delta1 : 48.297 MHz : -1.271 dB T1 : 5291.864 MHz : 0.752 dBm T2 : 5328.337 MHz : -0.489 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 48.297 MHz Measured 99% Bandwidth: 36.473 MHz

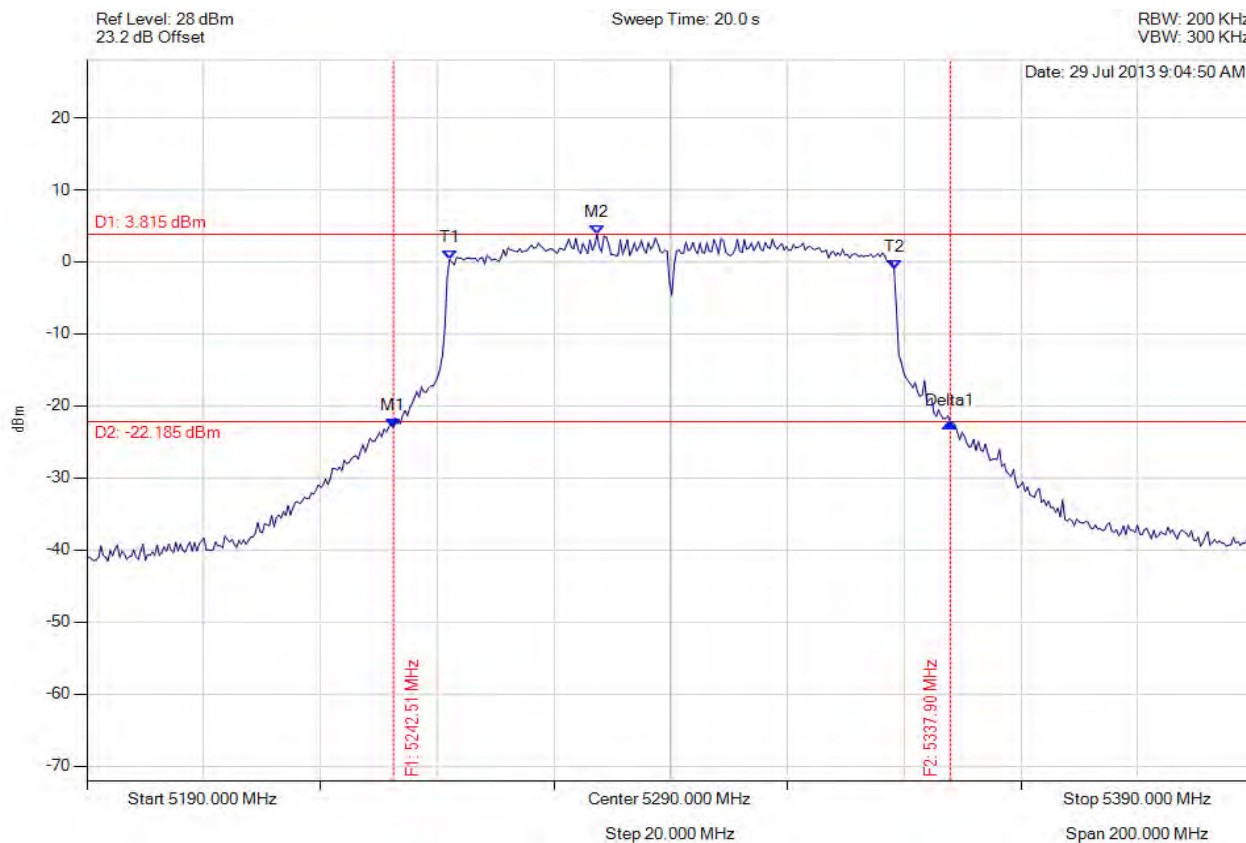
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5242.505 MHz : -22.984 dBm M2 : 5277.375 MHz : 3.815 dBm Delta1 : 95.391 MHz : 0.600 dB T1 : 5252.124 MHz : 0.325 dBm T2 : 5328.277 MHz : -0.993 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 95.391 MHz Measured 99% Bandwidth: 76.152 MHz

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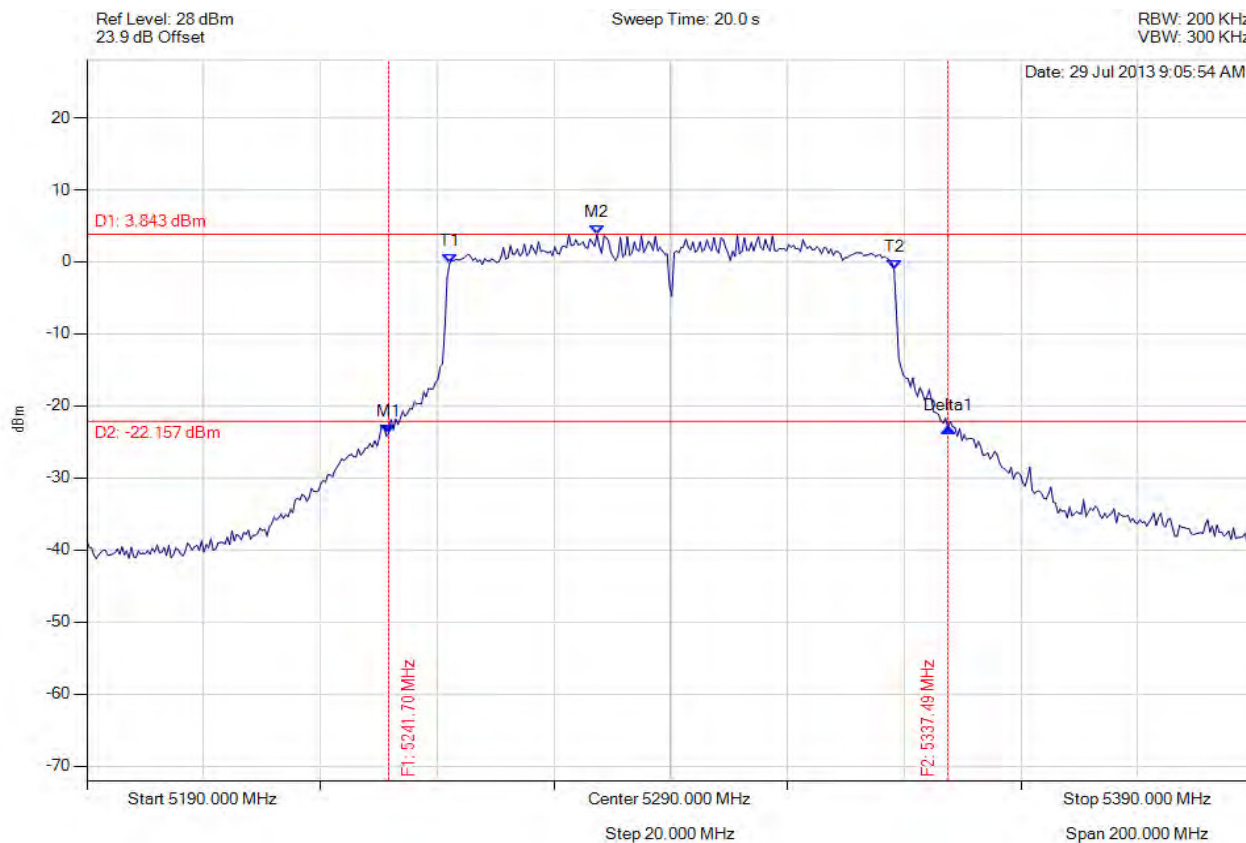
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



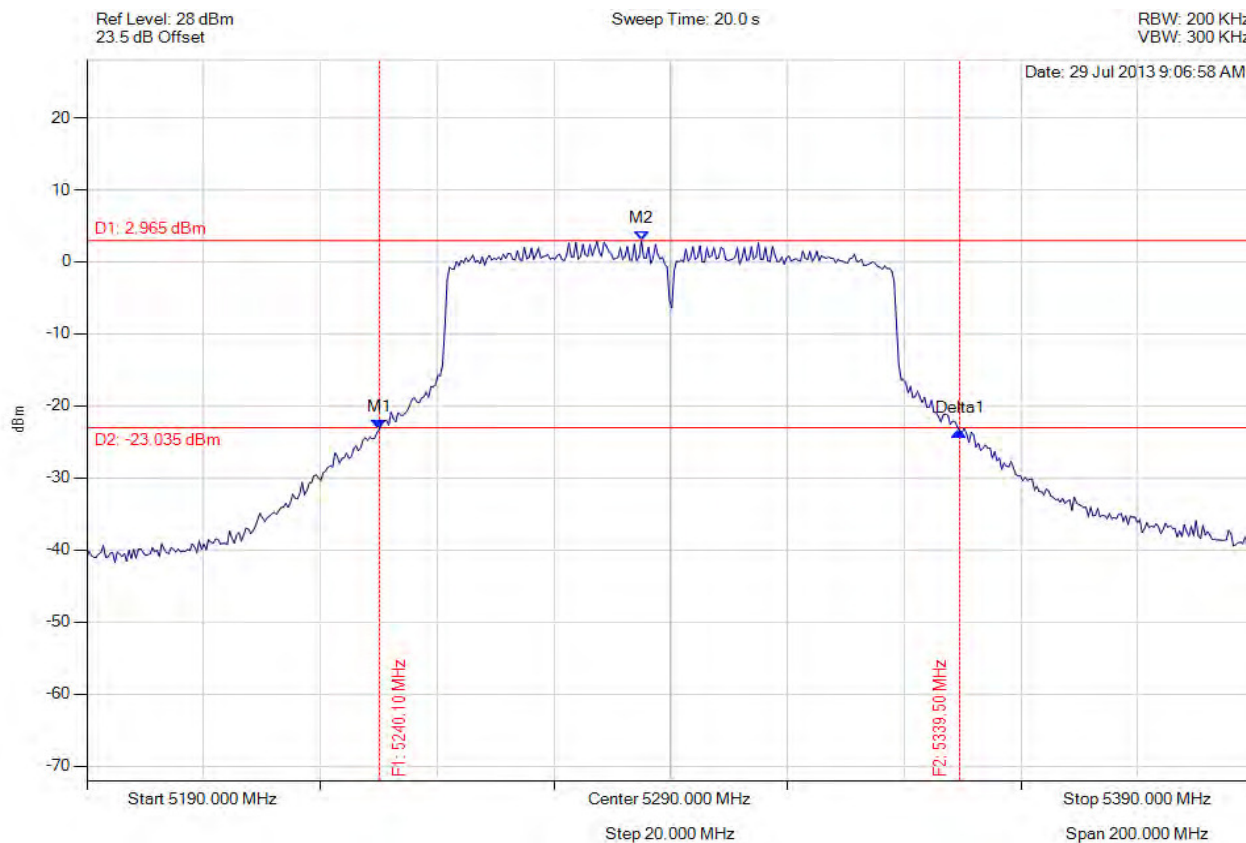
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5241.703 MHz : -23.854 dBm M2 : 5277.375 MHz : 3.843 dBm Delta1 : 95.792 MHz : 0.795 dB T1 : 5252.124 MHz : -0.232 dBm T2 : 5328.277 MHz : -1.103 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 95.792 MHz Measured 99% Bandwidth: 76.152 MHz

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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5240.100 MHz : -23.263 dBm M2 : 5284.990 MHz : 2.965 dBm Delta1 : 99.399 MHz : -0.207 dB T1 : 0 Hz : 500.000 dBm T2 : 0 Hz : 500.000 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 99.399 MHz Measured 99% Bandwidth: 75.752 MHz

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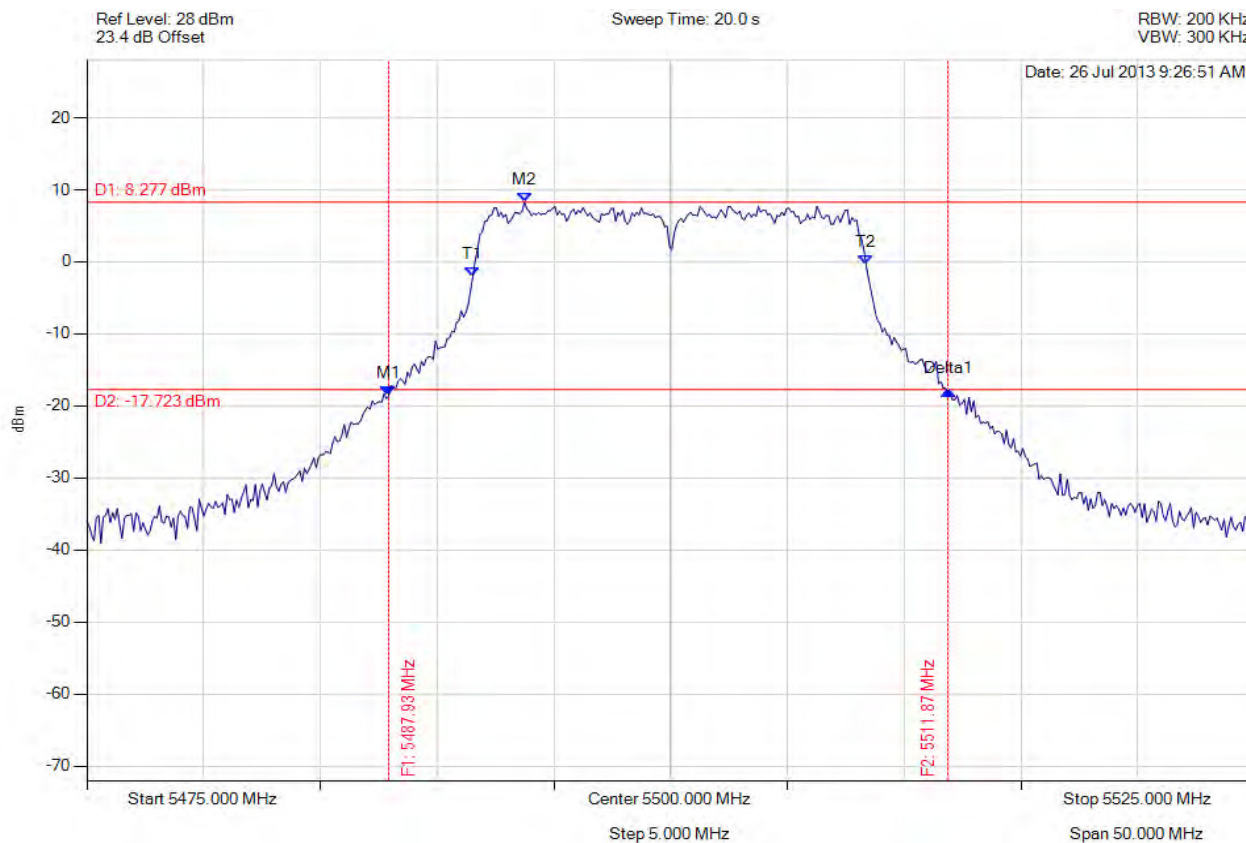


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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5487.926 MHz : -18.624 dBm M2 : 5493.737 MHz : 8.277 dBm Delta1 : 23.948 MHz : 0.738 dB T1 : 5491.533 MHz : -2.040 dBm T2 : 5508.367 MHz : -0.383 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 16.834 MHz

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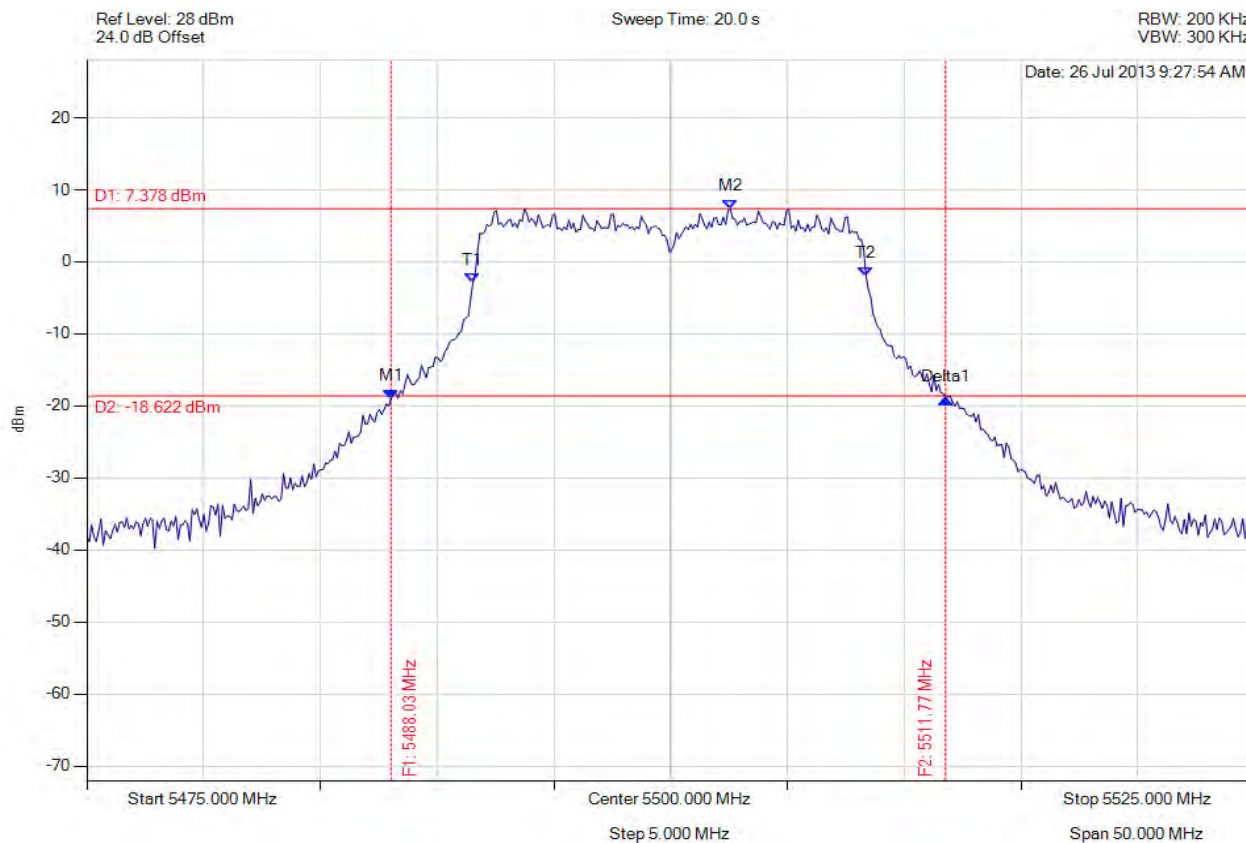


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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5500.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5488.026 MHz : -18.971 dBm M2 : 5502.555 MHz : 7.378 dBm Delta1 : 23.747 MHz : -0.077 dB T1 : 5491.533 MHz : -2.901 dBm T2 : 5508.367 MHz : -1.951 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 16.834 MHz

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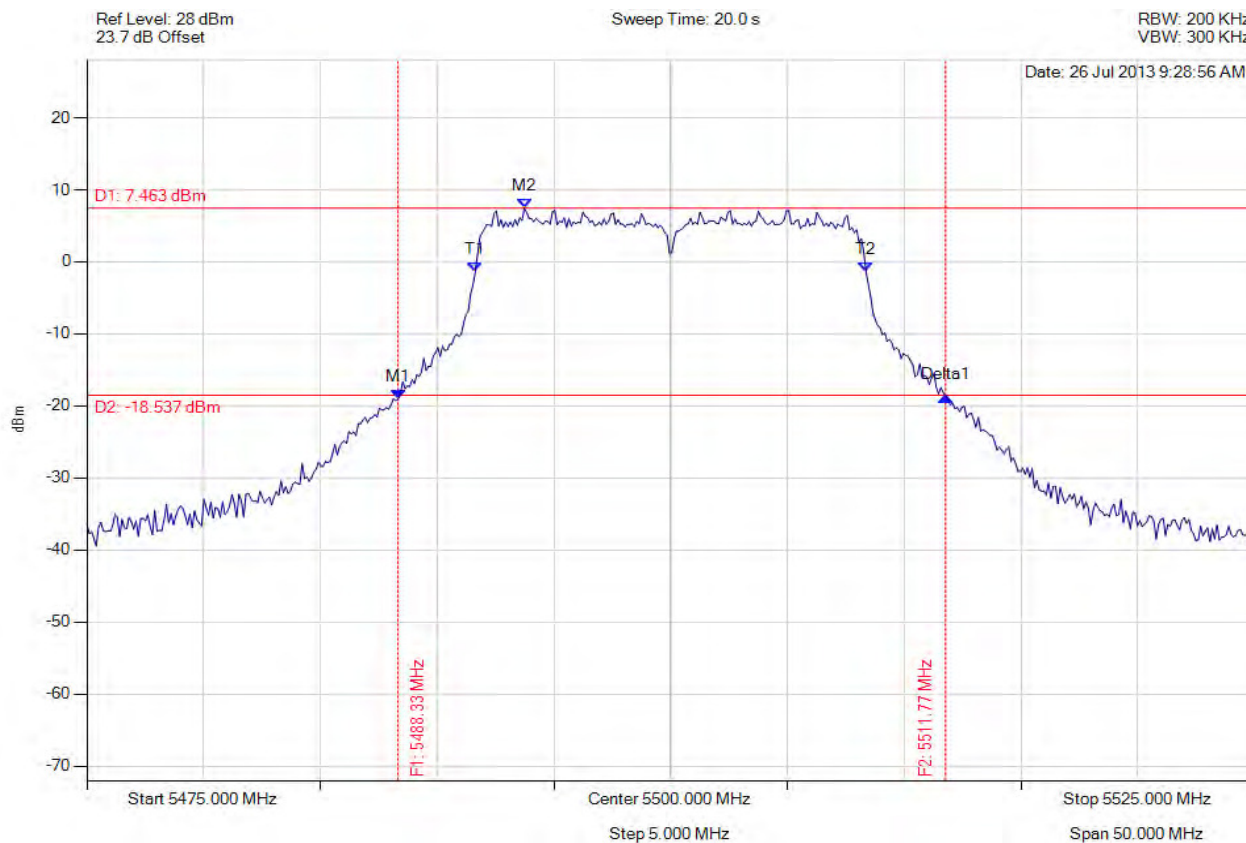


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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5500.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5488.327 MHz : -19.022 dBm M2 : 5493.737 MHz : 7.463 dBm Delta1 : 23.447 MHz : 0.366 dB T1 : 5491.633 MHz : -1.353 dBm T2 : 5508.367 MHz : -1.432 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth : 23.447 MHz Measured 99% Bandwidth : 16.733 MHz

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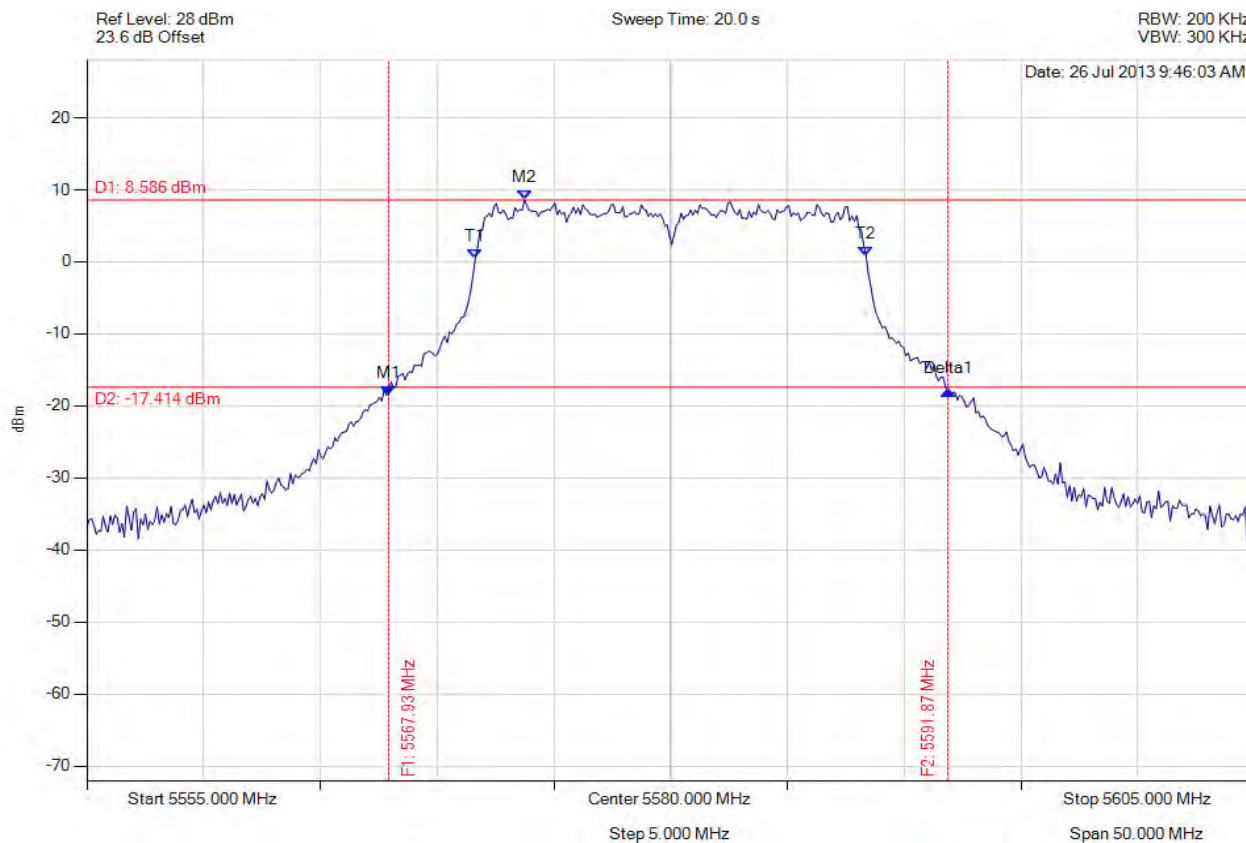
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5567.926 MHz : -18.479 dBm M2 : 5573.737 MHz : 8.586 dBm Delta1 : 23.948 MHz : 0.574 dB T1 : 5571.633 MHz : 0.494 dBm T2 : 5588.367 MHz : 0.858 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 16.733 MHz

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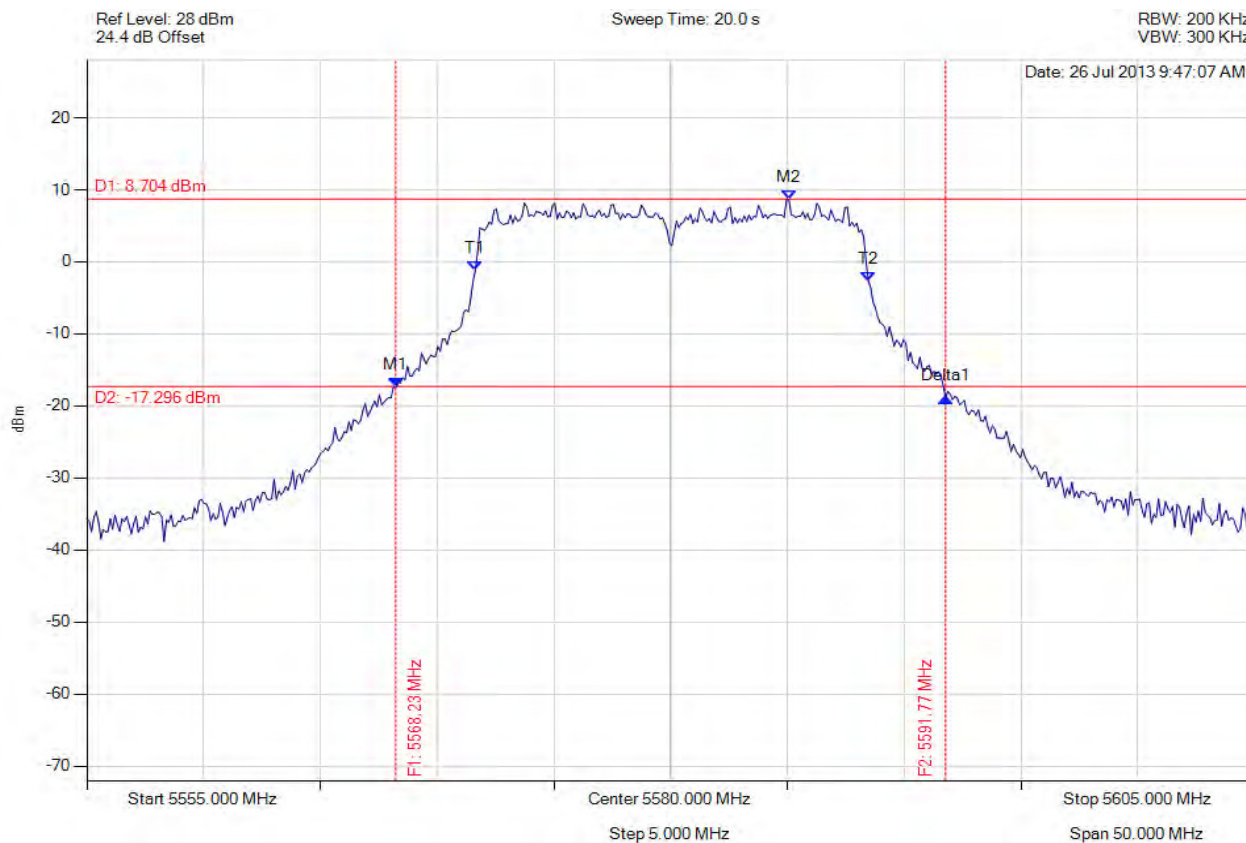


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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5580.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5568.226 MHz : -17.416 dBm M2 : 5585.060 MHz : 8.704 dBm Delta1 : 23.547 MHz : -1.415 dB T1 : 5571.633 MHz : -1.135 dBm T2 : 5588.467 MHz : -2.655 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 16.834 MHz

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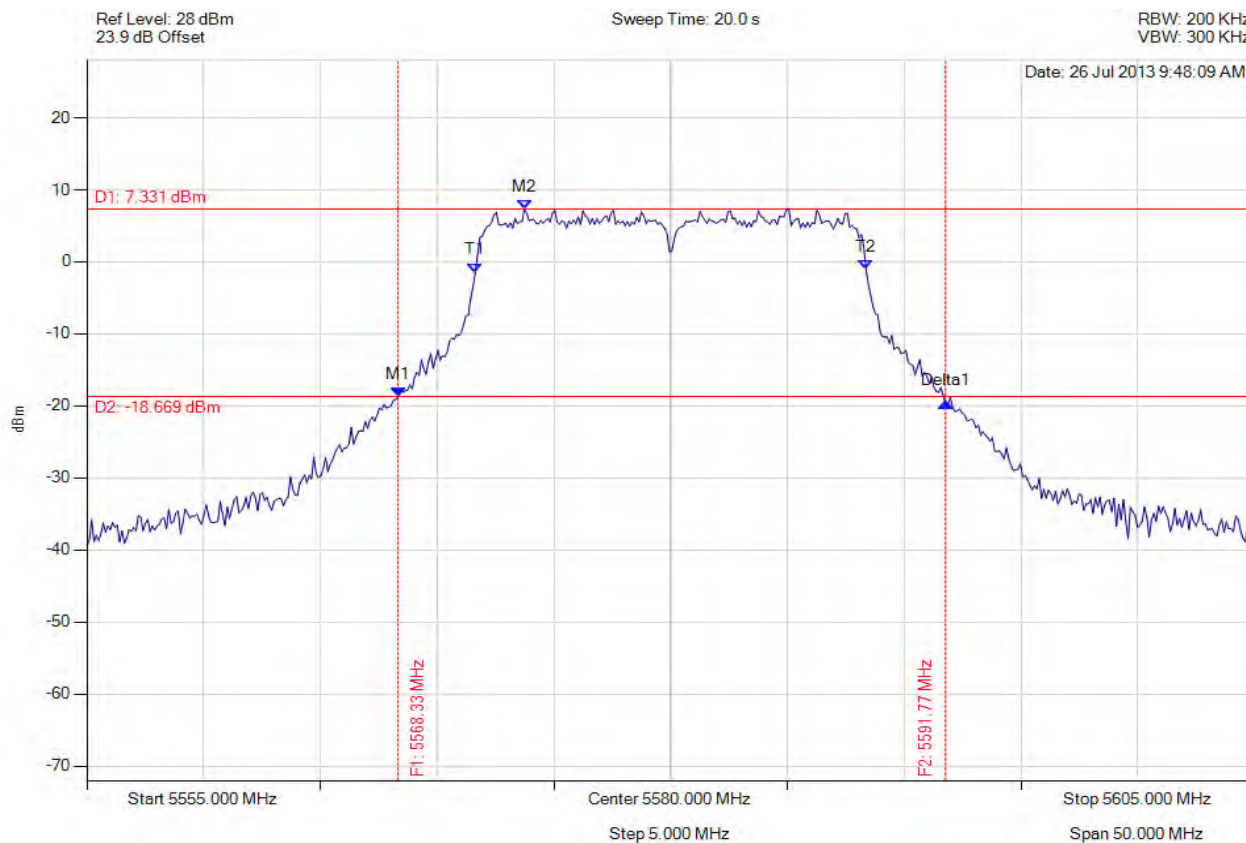


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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5580.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5568.327 MHz : -18.752 dBm M2 : 5573.737 MHz : 7.331 dBm Delta1 : 23.447 MHz : -0.826 dB T1 : 5571.633 MHz : -1.459 dBm T2 : 5588.367 MHz : -1.052 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 23.447 MHz Measured 99% Bandwidth: 16.733 MHz

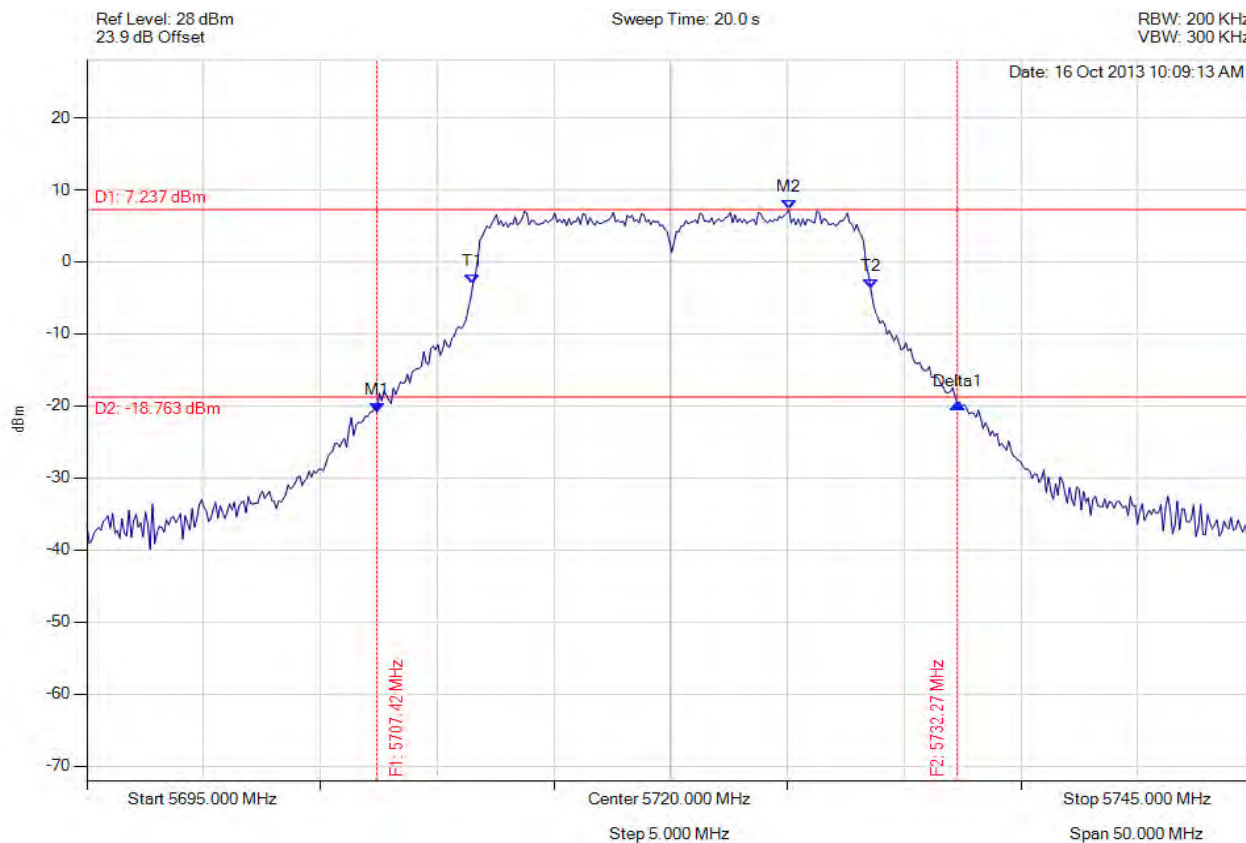
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5700.00 MHz, Chain a, Temp: Ambient, Voltage: 3.3 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.425 MHz : -20.869 dBm M2 : 5725.060 MHz : 7.237 dBm Delta1 : 24.850 MHz : 1.220 dB T1 : 5711.533 MHz : -3.070 dBm T2 : 5728.567 MHz : -3.718 dBm OBW : 17.034 MHz	Measured 26 dB Bandwidth: 24.850 MHz Measured 99% Bandwidth: 17.034 MHz

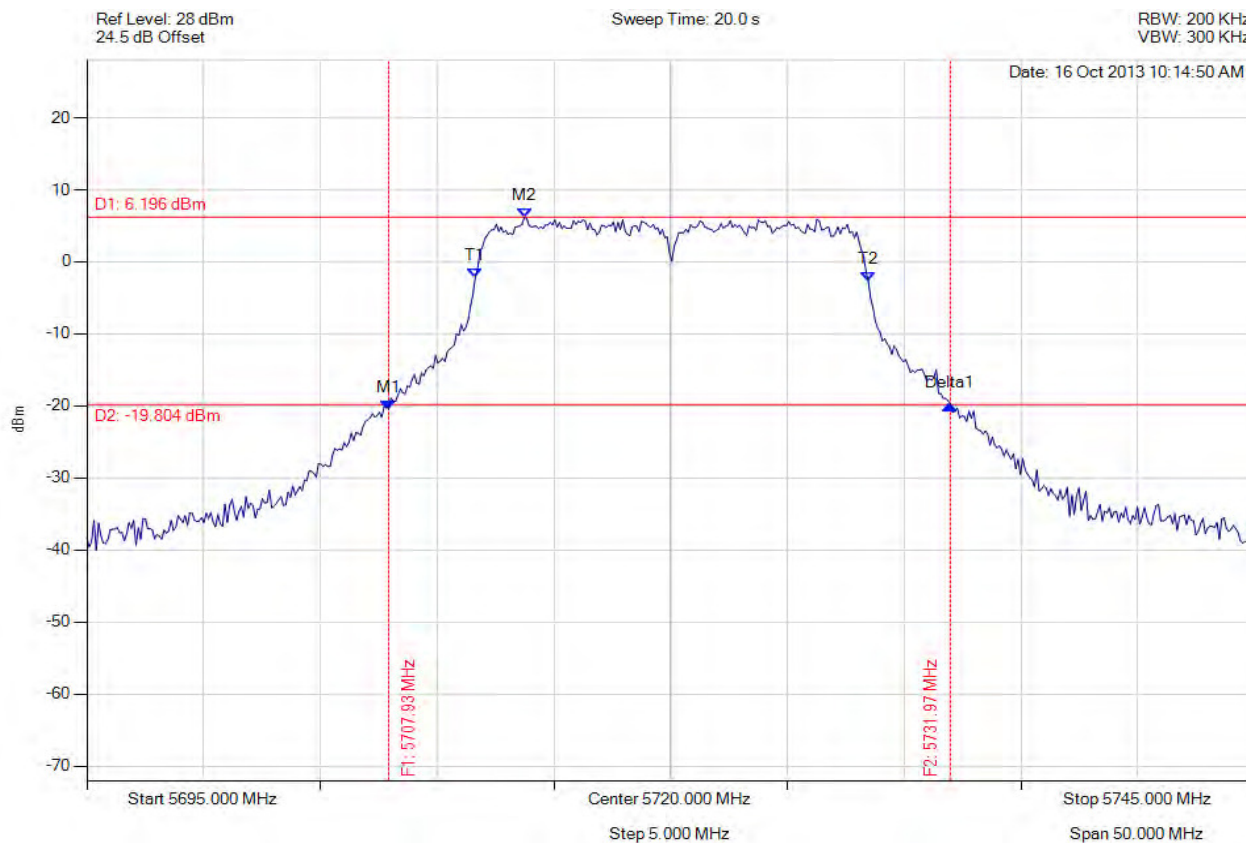
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5700.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.926 MHz : -20.478 dBm M2 : 5713.737 MHz : 6.196 dBm Delta1 : 24.048 MHz : 0.651 dB T1 : 5711.633 MHz : -2.134 dBm T2 : 5728.467 MHz : -2.777 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 16.834 MHz

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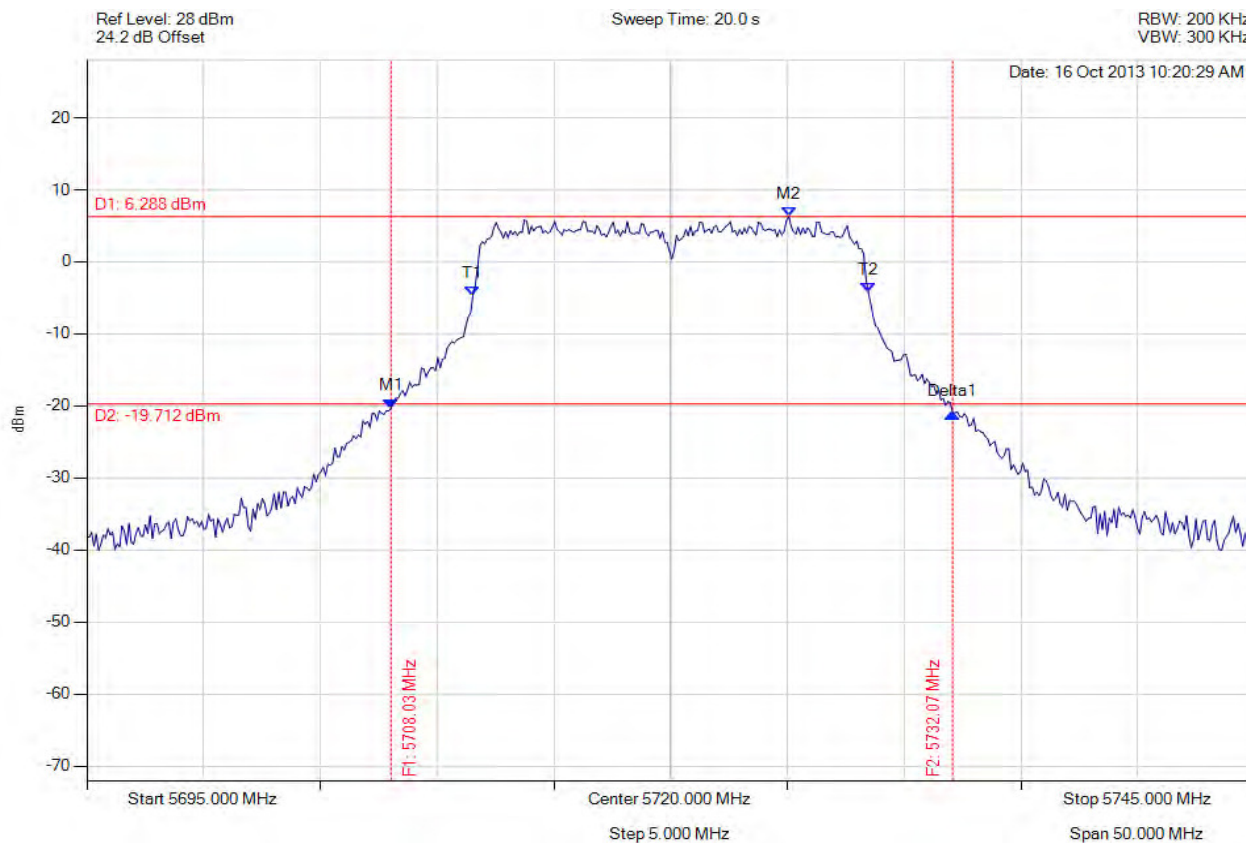
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**26 dB & 99% BANDWIDTH**

Variant: 802.11a, Channel: 5700.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5708.026 MHz : -20.303 dBm M2 : 5725.060 MHz : 6.288 dBm Delta1 : 24.048 MHz : -0.716 dB T1 : 5711.533 MHz : -4.652 dBm T2 : 5728.467 MHz : -4.225 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 16.934 MHz

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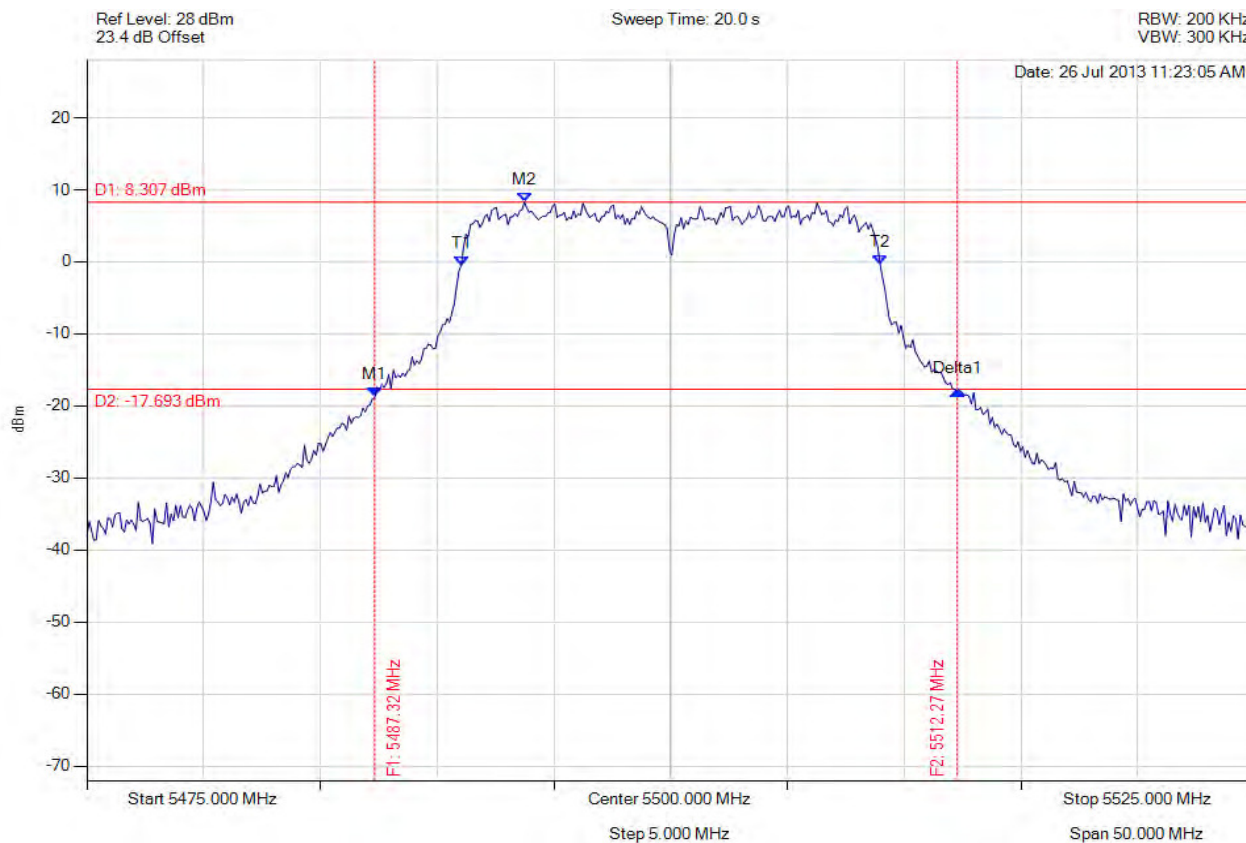


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5487.325 MHz : -18.792 dBm M2 : 5493.737 MHz : 8.307 dBm Delta1 : 24.950 MHz : 0.976 dB T1 : 5491.032 MHz : -0.468 dBm T2 : 5508.968 MHz : -0.312 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.950 MHz Measured 99% Bandwidth: 17.936 MHz

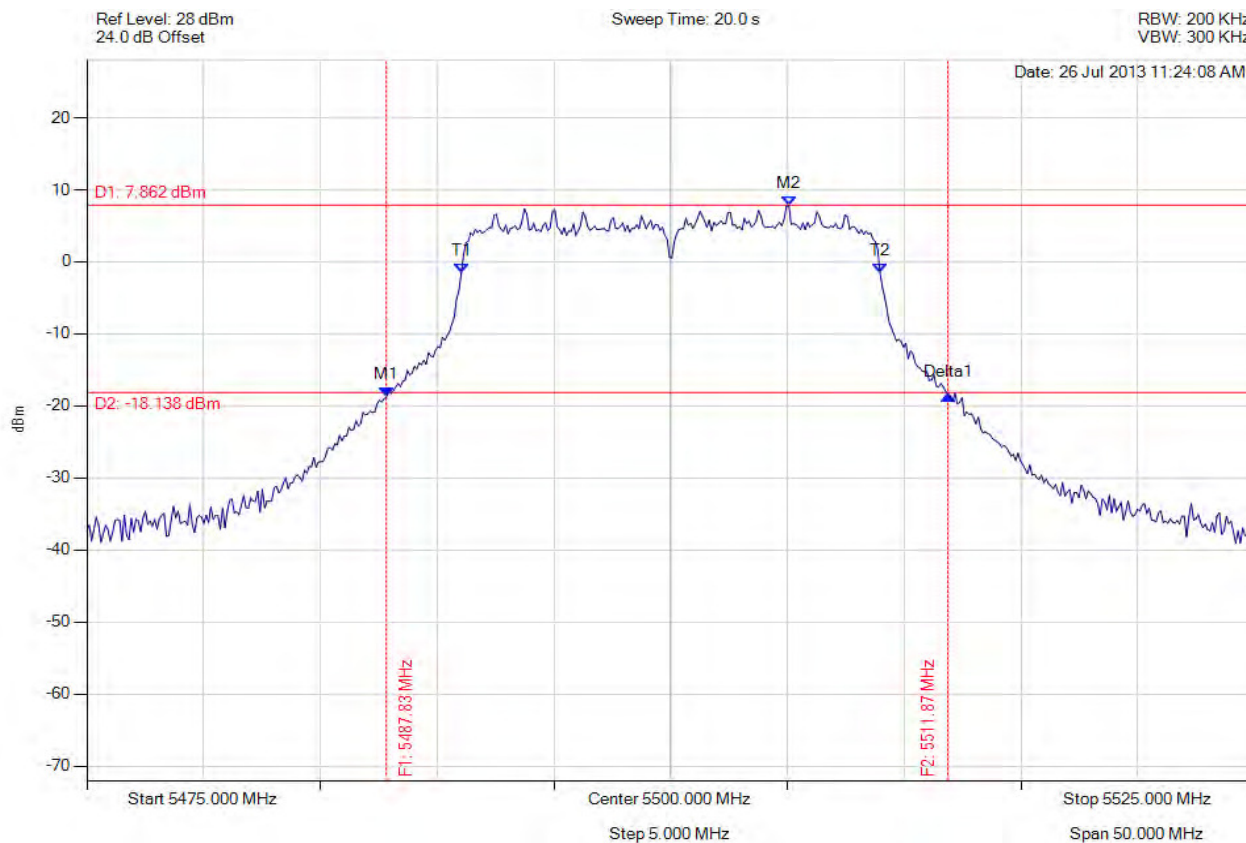
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5487.826 MHz : -18.790 dBm M2 : 5505.060 MHz : 7.862 dBm Delta1 : 24.048 MHz : 0.327 dB T1 : 5491.032 MHz : -1.546 dBm T2 : 5508.968 MHz : -1.565 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 17.936 MHz

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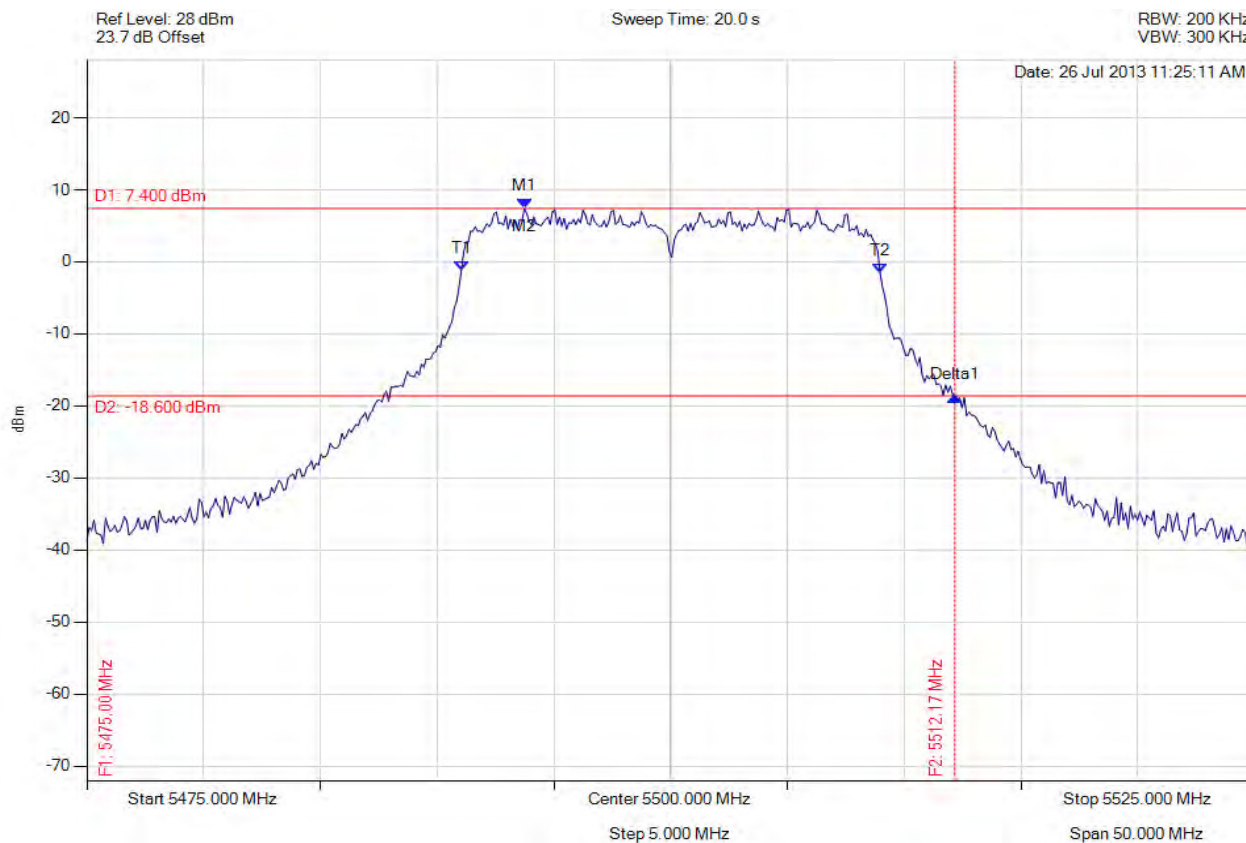


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5487.721 MHz : 7.400 dBm M2 : 5493.737 MHz : 7.400 dBm Delta1 : 5512.17 MHz : -26.099 dB T1 : 5491.032 MHz : -1.235 dBm T2 : 5508.968 MHz : -1.514 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.449 MHz Measured 99% Bandwidth: 17.936 MHz

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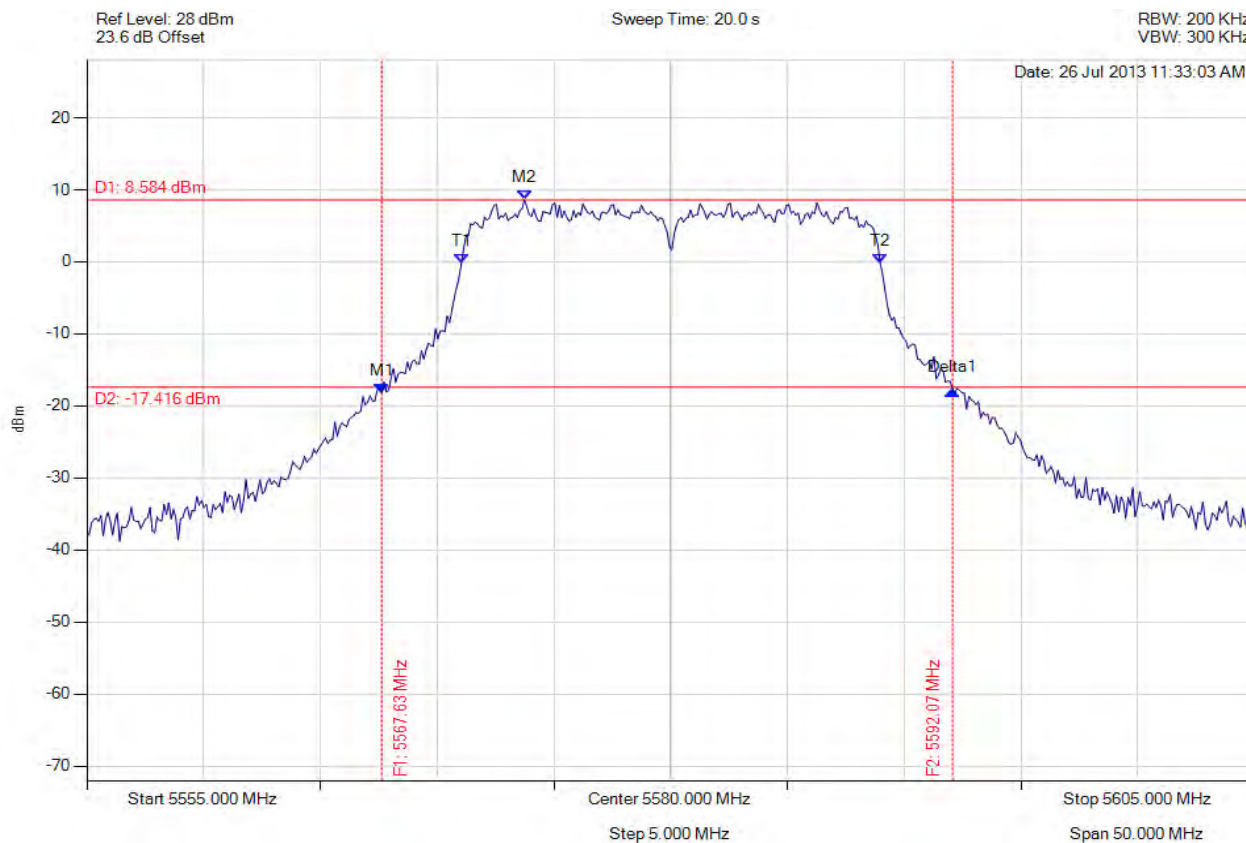


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5567.625 MHz : -18.180 dBm M2 : 5573.737 MHz : 8.584 dBm Delta1 : 24.449 MHz : 0.380 dB T1 : 5571.032 MHz : -0.257 dBm T2 : 5588.968 MHz : -0.133 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.449 MHz Measured 99% Bandwidth: 17.936 MHz

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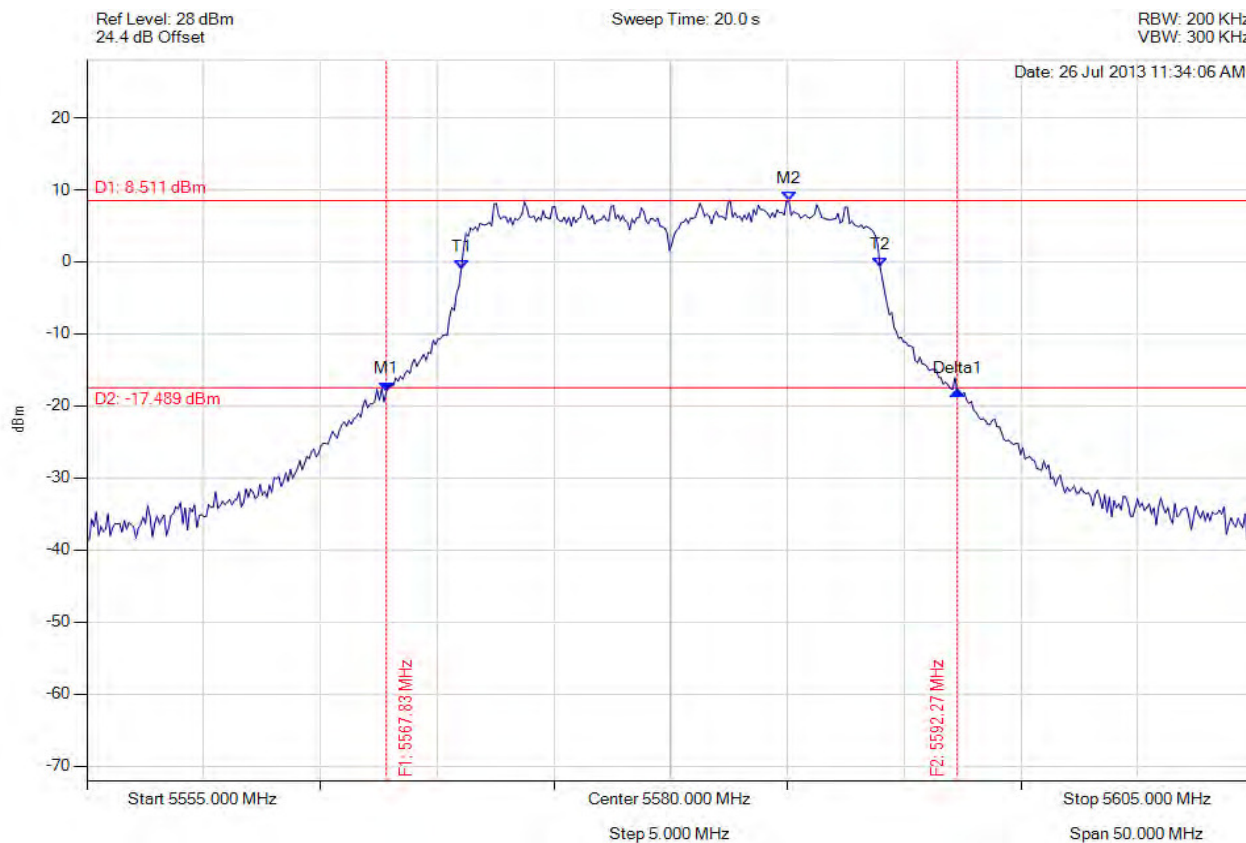
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5567.826 MHz : -17.969 dBm M2 : 5585.060 MHz : 8.511 dBm Delta1 : 24.449 MHz : 0.055 dB T1 : 5571.032 MHz : -0.981 dBm T2 : 5588.968 MHz : -0.751 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 24.449 MHz Measured 99% Bandwidth: 17.936 MHz

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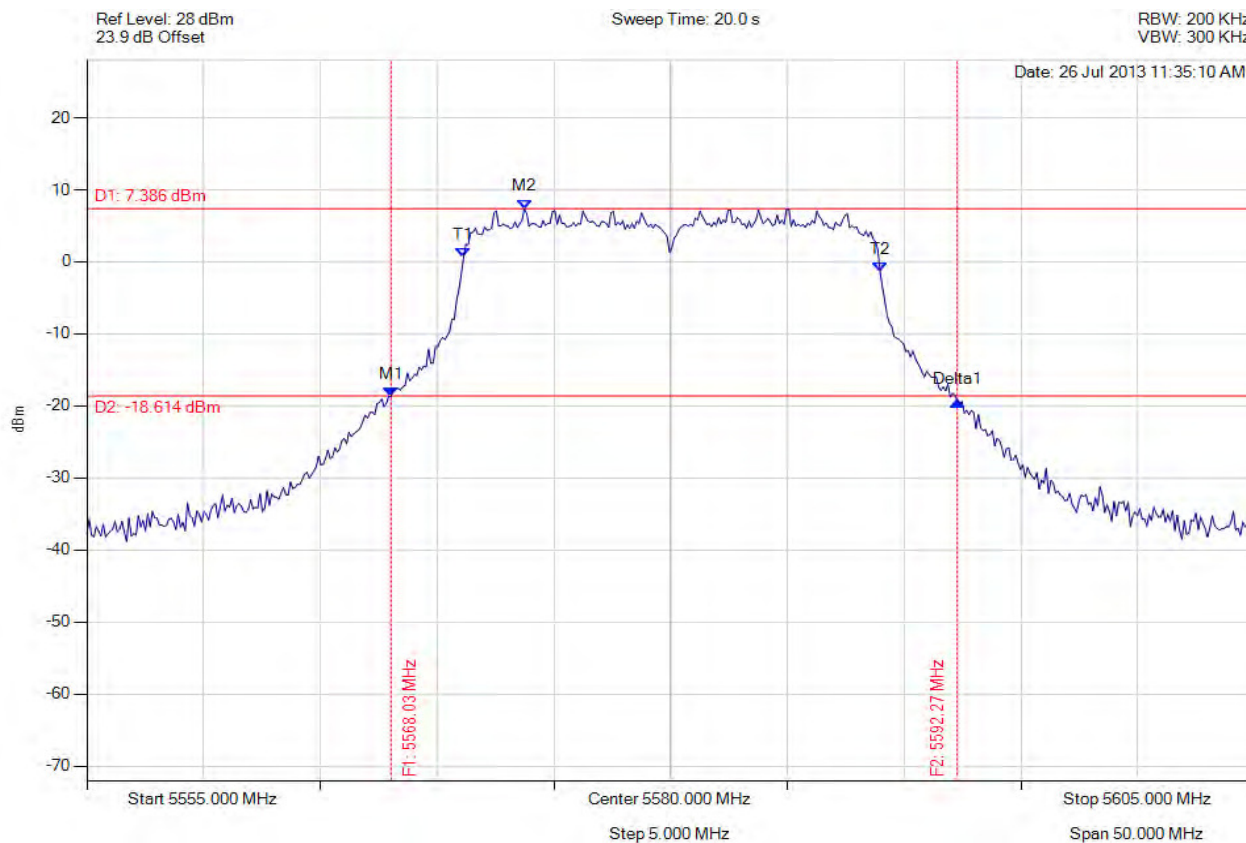


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5568.026 MHz : -18.744 dBm M2 : 5573.737 MHz : 7.386 dBm Delta1 : 24.248 MHz : -0.578 dB T1 : 5571.132 MHz : 0.683 dBm T2 : 5588.968 MHz : -1.365 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 17.836 MHz

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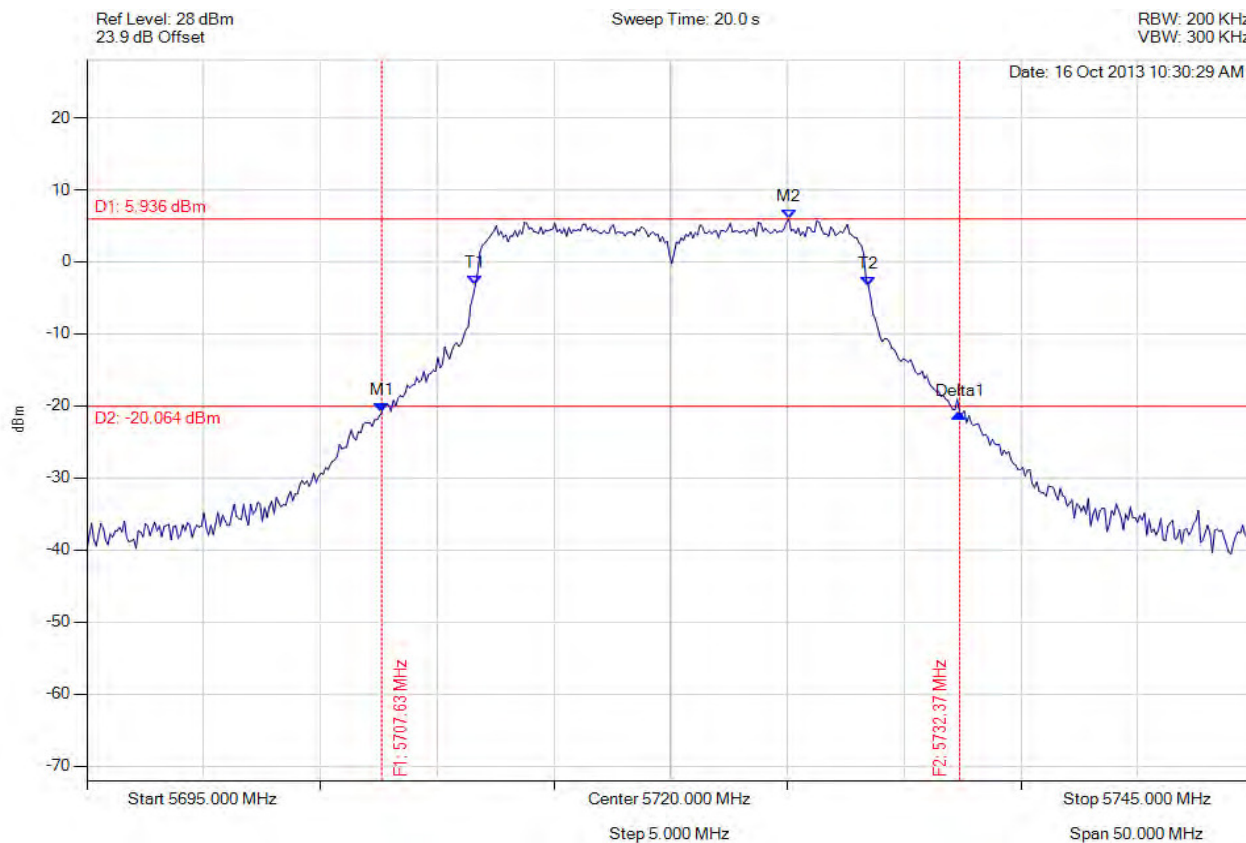


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.625 MHz : -20.922 dBm M2 : 5725.060 MHz : 5.936 dBm Delta1 : 24.749 MHz : -0.077 dB T1 : 5711.633 MHz : -3.196 dBm T2 : 5728.467 MHz : -3.344 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.749 MHz Measured 99% Bandwidth: 16.834 MHz

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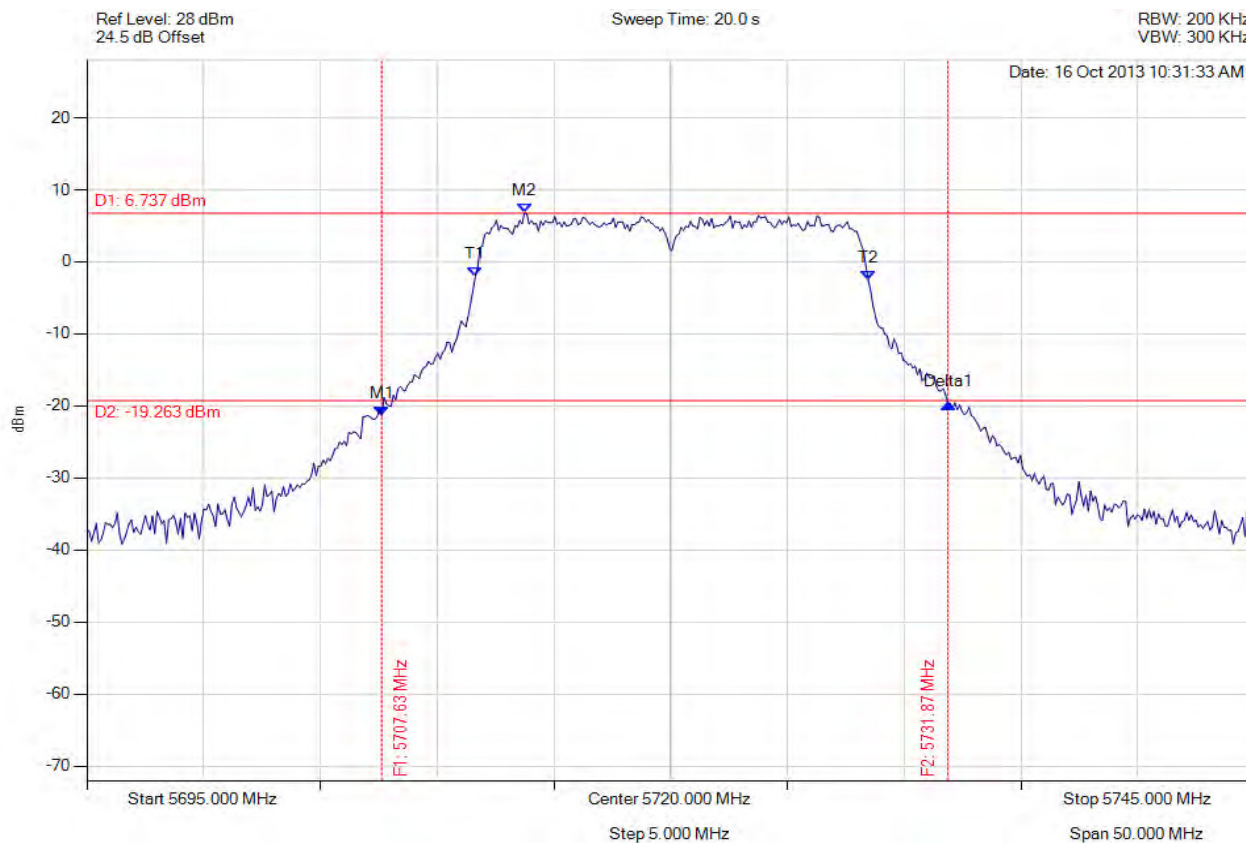


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.625 MHz : -21.329 dBm M2 : 5713.737 MHz : 6.737 dBm Delta1 : 24.248 MHz : 1.676 dB T1 : 5711.633 MHz : -2.020 dBm T2 : 5728.467 MHz : -2.600 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 24.248 MHz Measured 99% Bandwidth: 16.834 MHz

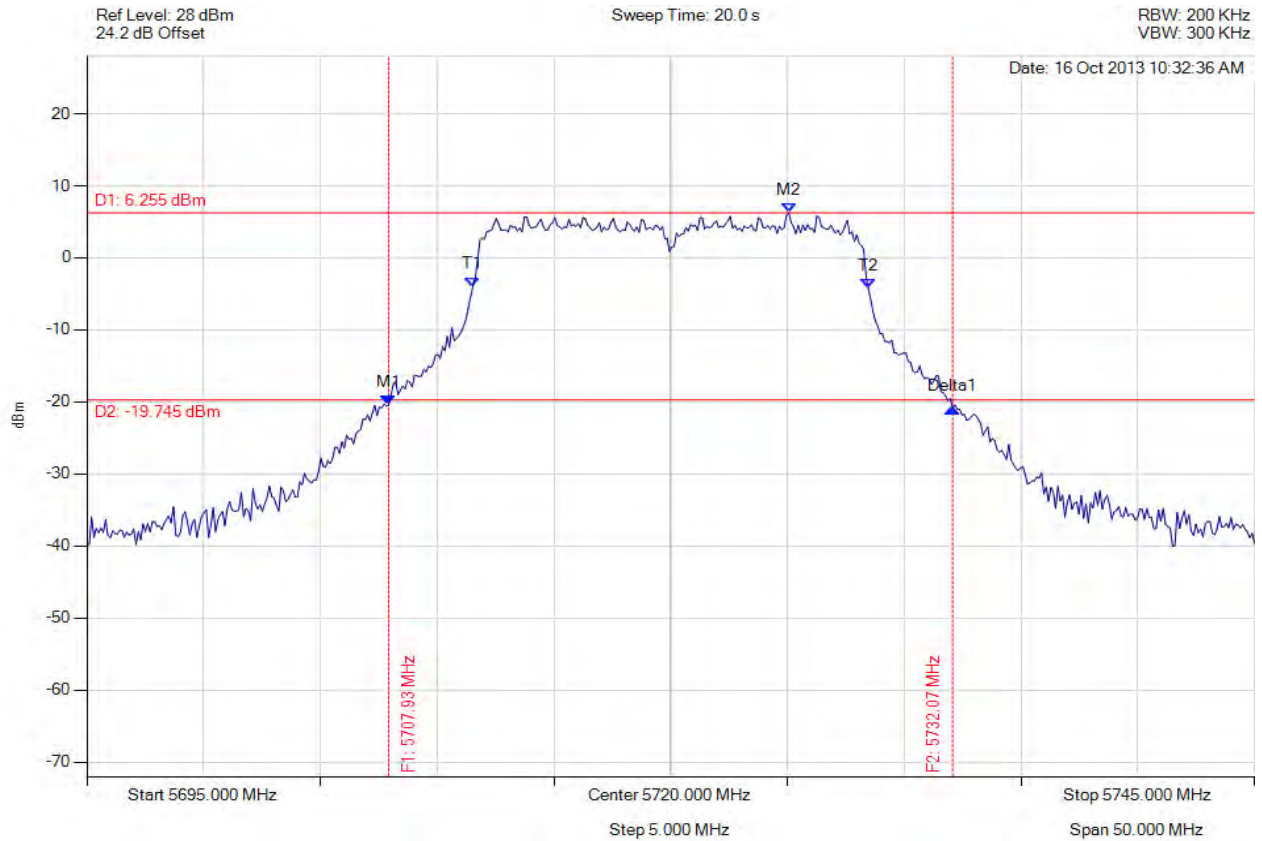
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.926 MHz : -20.428 dBm M2 : 5725.060 MHz : 6.255 dBm Delta1 : 24.148 MHz : -0.447 dB T1 : 5711.533 MHz : -3.962 dBm T2 : 5728.467 MHz : -4.257 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 24.148 MHz Measured 99% Bandwidth: 16.934 MHz

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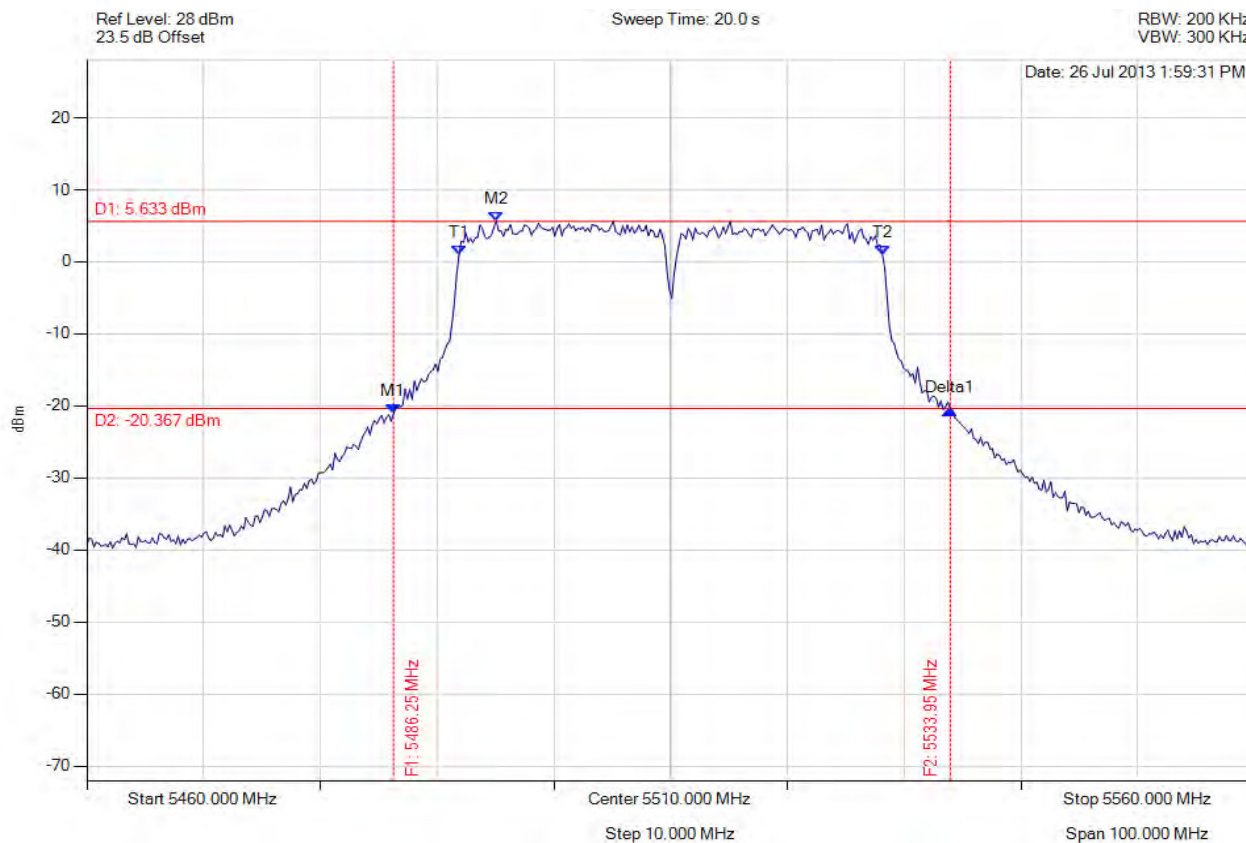
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5486.253 MHz : -21.123 dBm M2 : 5495.070 MHz : 5.633 dBm Delta1 : 47.695 MHz : 0.616 dB T1 : 5491.864 MHz : 0.927 dBm T2 : 5528.136 MHz : 1.033 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.273 MHz

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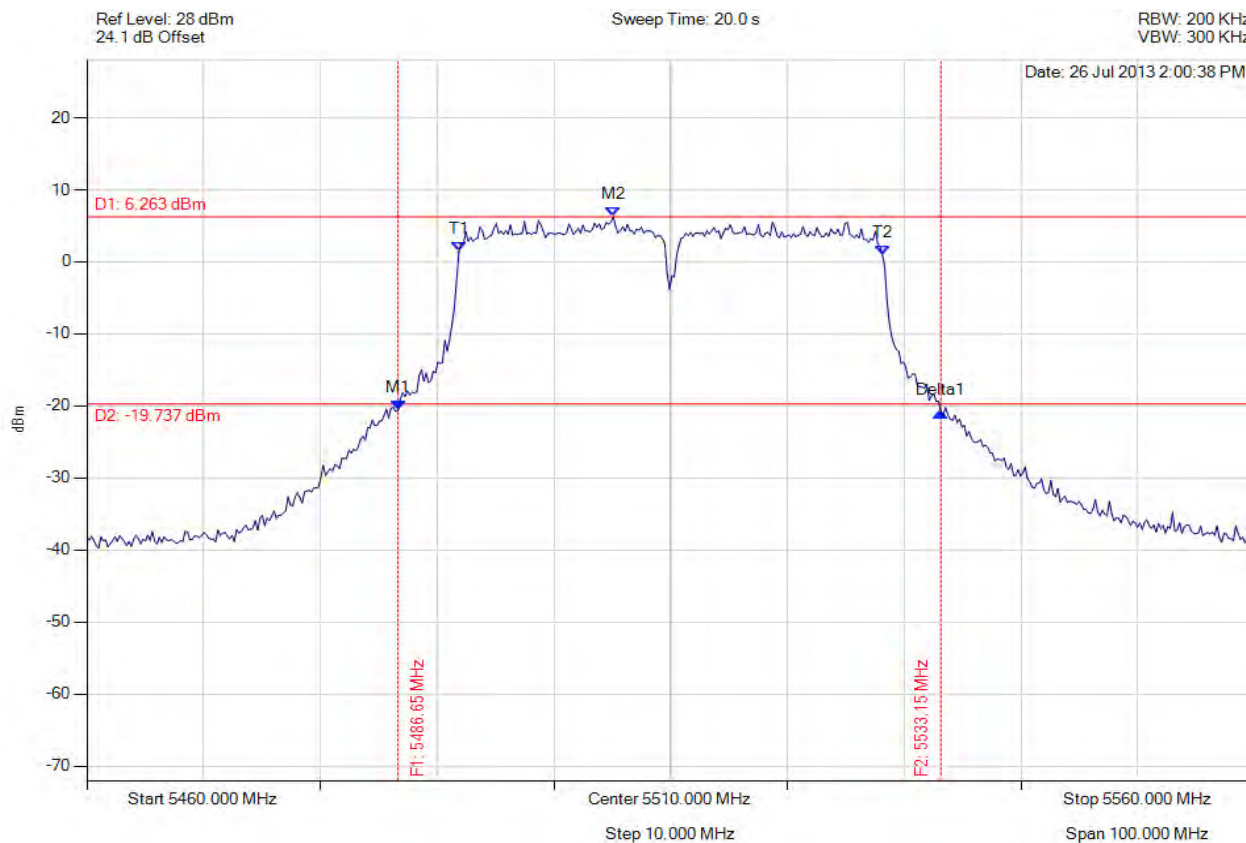


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5486.653 MHz : -20.596 dBm M2 : 5505.090 MHz : 6.263 dBm Delta1 : 46.493 MHz : -0.334 dB T1 : 5491.864 MHz : 1.409 dBm T2 : 5528.136 MHz : 1.020 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 46.493 MHz Measured 99% Bandwidth: 36.273 MHz

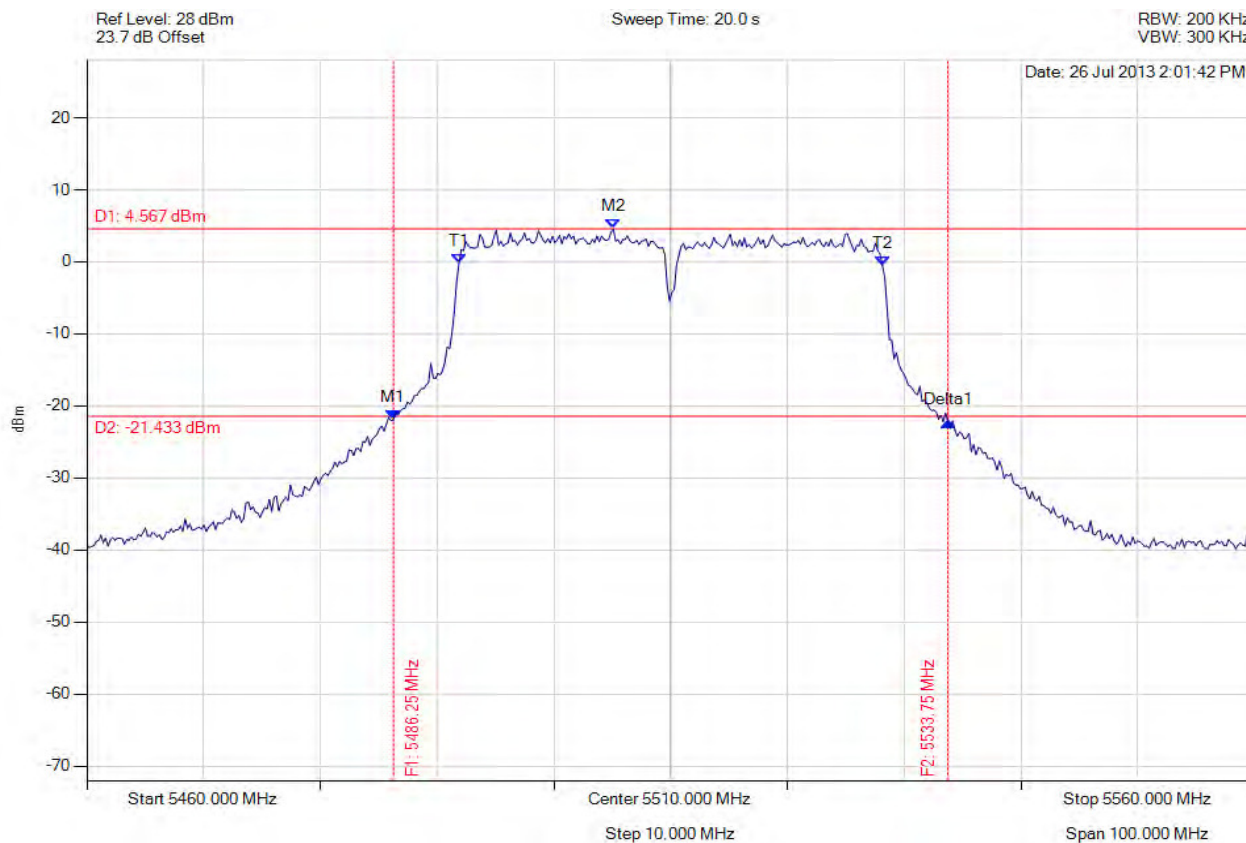
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**26 dB & 99% BANDWIDTH**

Variat: 802.11n HT-40, Channel: 5510.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5486.253 MHz : -21.957 dBm M2 : 5505.090 MHz : 4.567 dBm Delta1 : 47.495 MHz : -0.218 dB T1 : 5491.864 MHz : -0.257 dBm T2 : 5528.136 MHz : -0.509 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.495 MHz Measured 99% Bandwidth: 36.273 MHz

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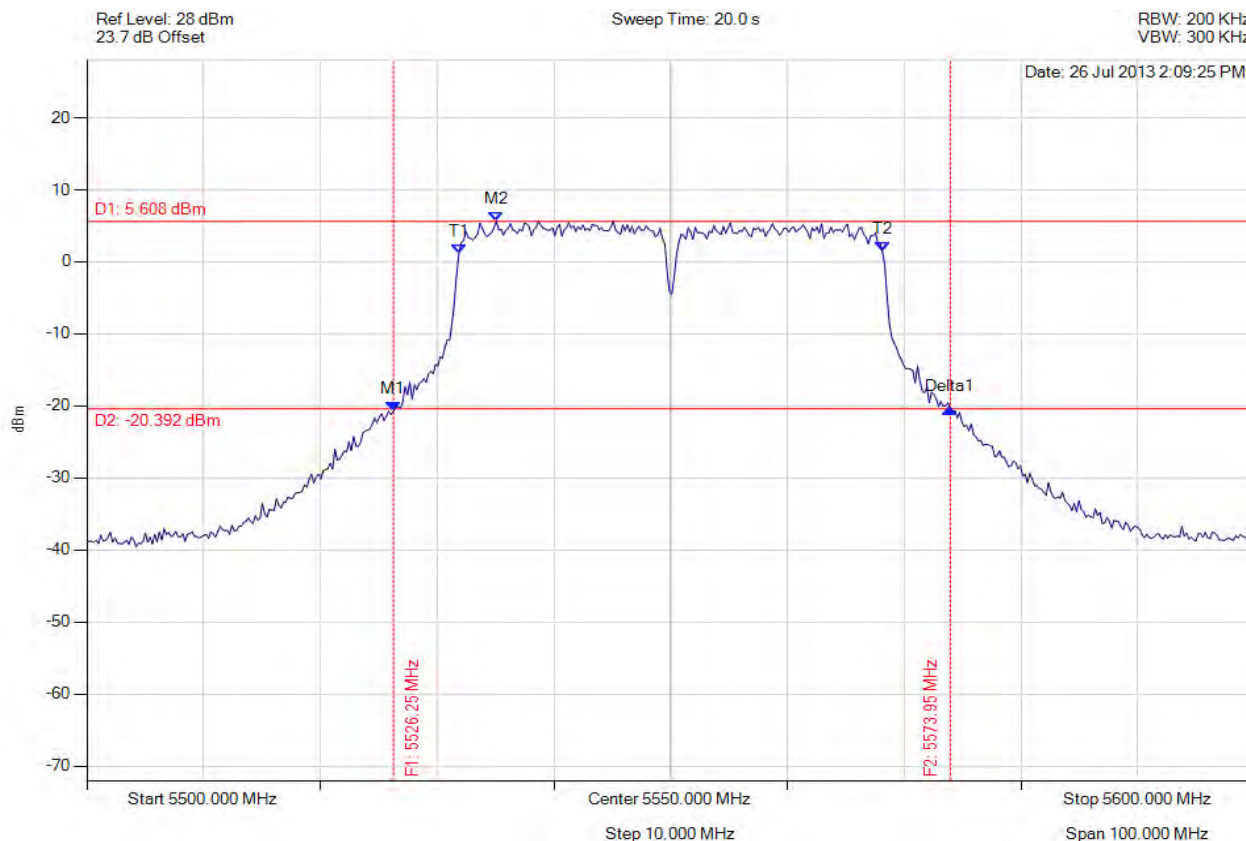


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5526.253 MHz : -20.724 dBm M2 : 5535.070 MHz : 5.608 dBm Delta1 : 47.695 MHz : 0.325 dB T1 : 5531.864 MHz : 1.106 dBm T2 : 5568.136 MHz : 1.427 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.273 MHz

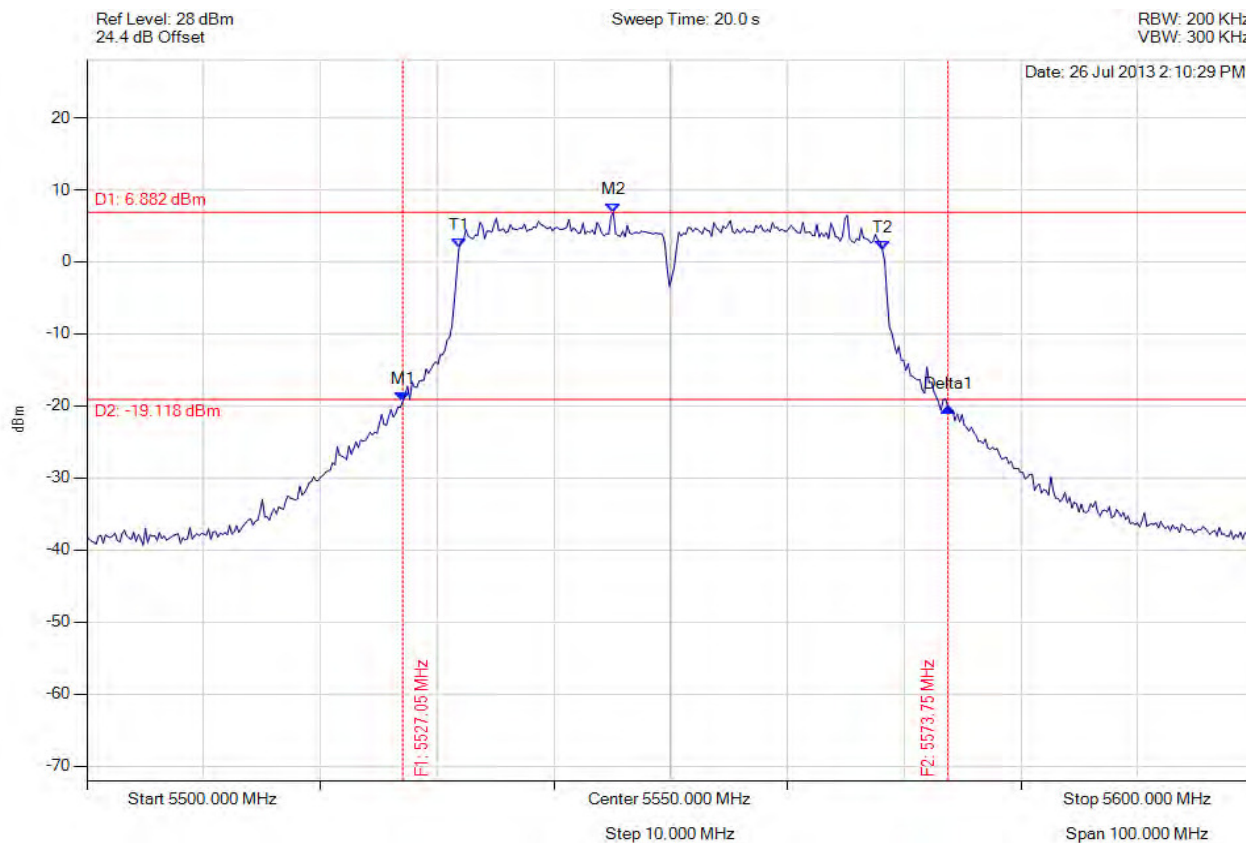
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5527.054 MHz : -19.340 dBm M2 : 5545.090 MHz : 6.882 dBm Delta1 : 46.693 MHz : -0.801 dB T1 : 5531.864 MHz : 1.899 dBm T2 : 5568.136 MHz : 1.681 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 46.693 MHz Measured 99% Bandwidth: 36.273 MHz

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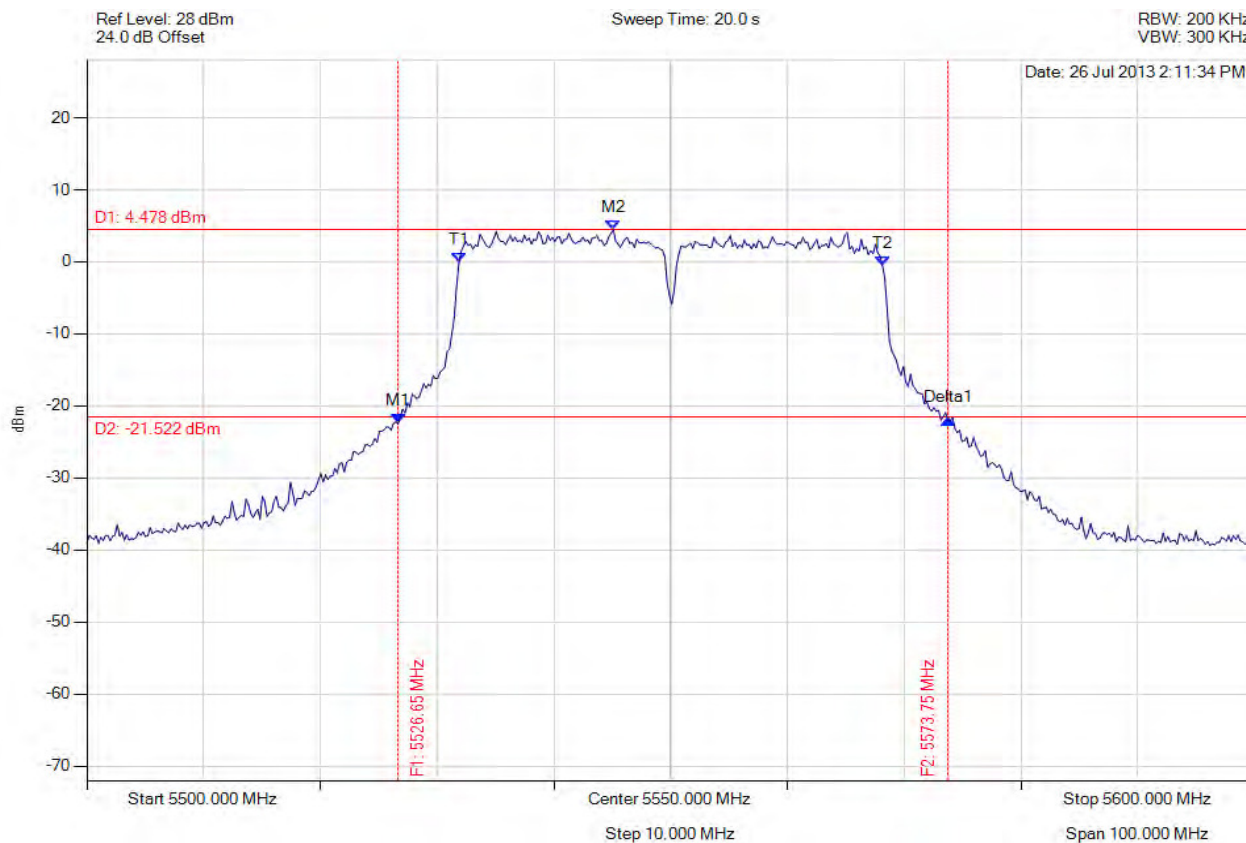


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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5526.653 MHz : -22.453 dBm M2 : 5545.090 MHz : 4.478 dBm Delta1 : 47.094 MHz : 0.492 dB T1 : 5531.864 MHz : -0.080 dBm T2 : 5568.136 MHz : -0.466 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.094 MHz Measured 99% Bandwidth: 36.273 MHz

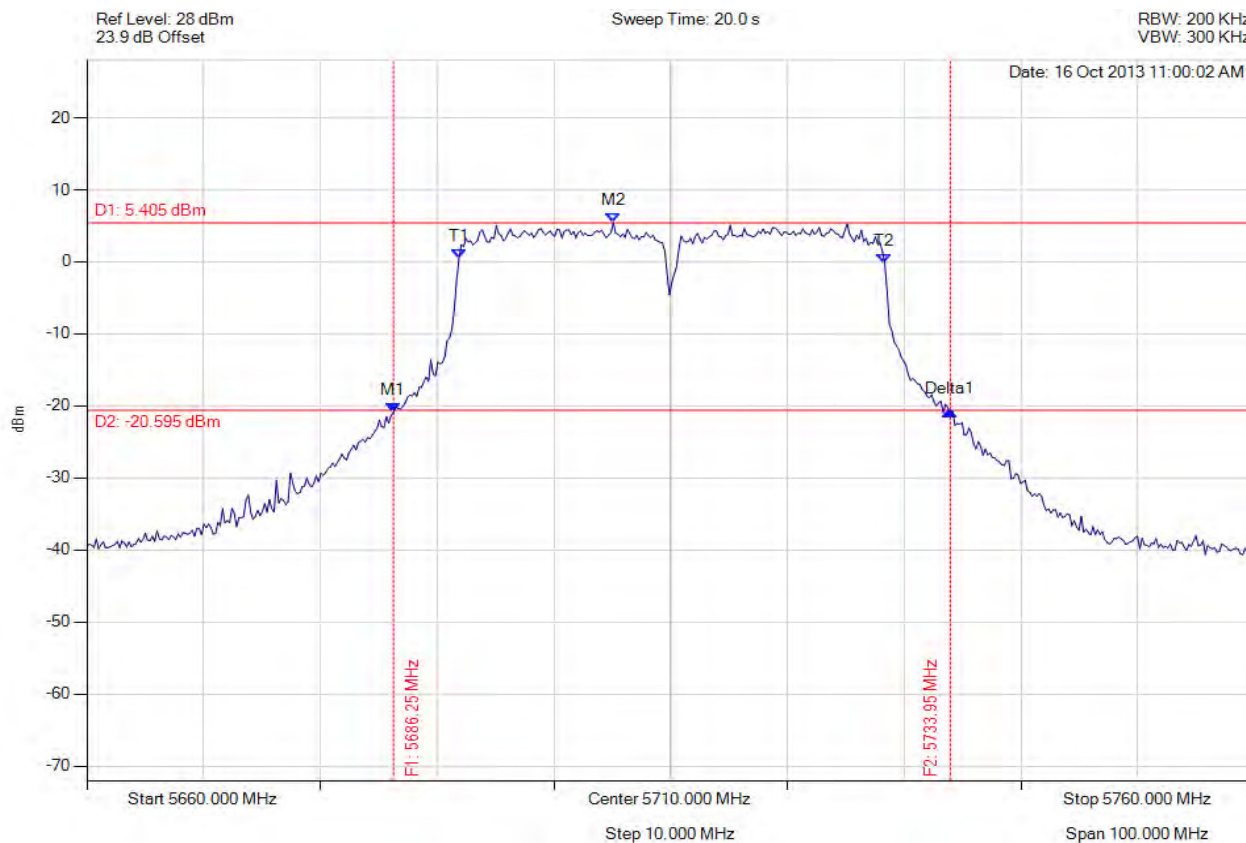
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5686.253 MHz : -20.926 dBm M2 : 5705.090 MHz : 5.405 dBm Delta1 : 47.695 MHz : 0.273 dB T1 : 5691.864 MHz : 0.404 dBm T2 : 5728.337 MHz : -0.234 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.473 MHz

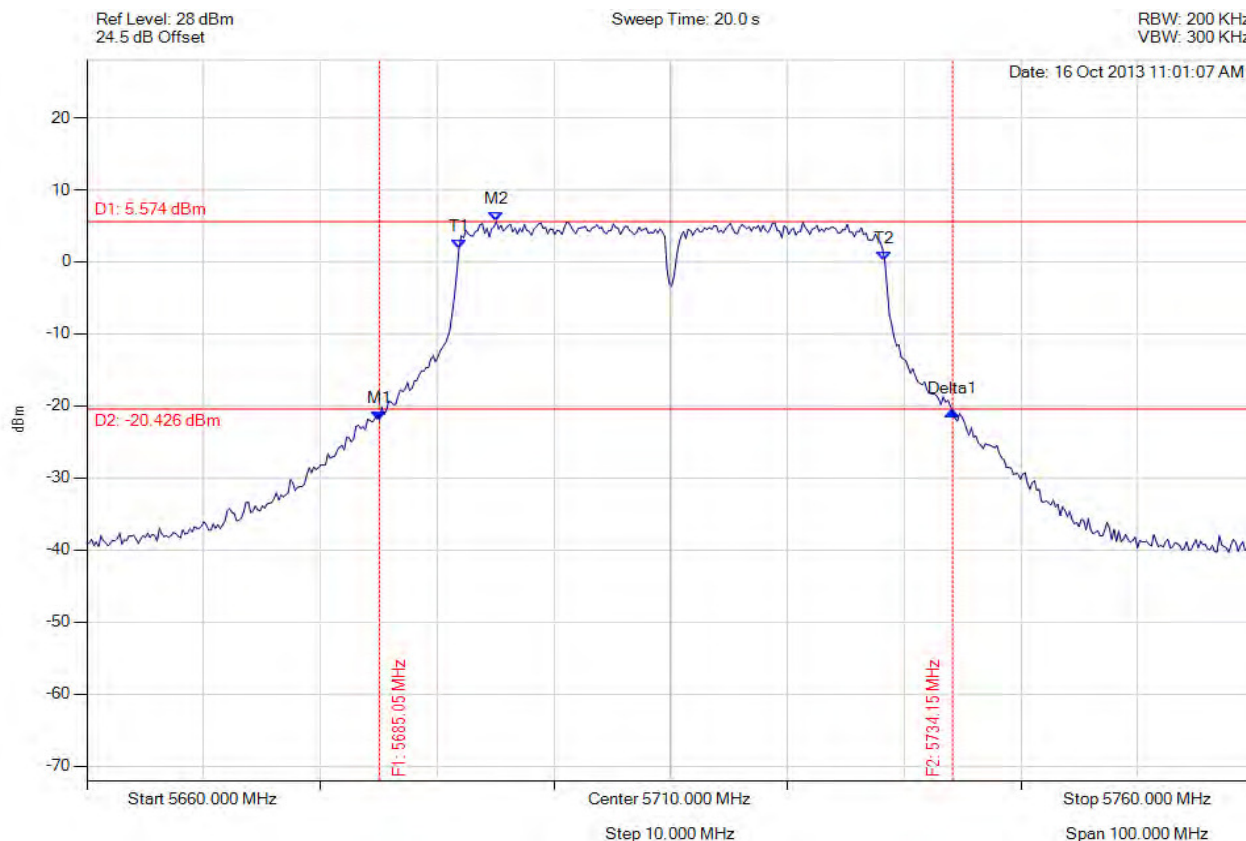
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5685.050 MHz : -21.987 dBm M2 : 5695.070 MHz : 5.574 dBm Delta1 : 49.098 MHz : 1.265 dB T1 : 5691.864 MHz : 1.746 dBm T2 : 5728.337 MHz : 0.142 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 49.098 MHz Measured 99% Bandwidth: 36.473 MHz

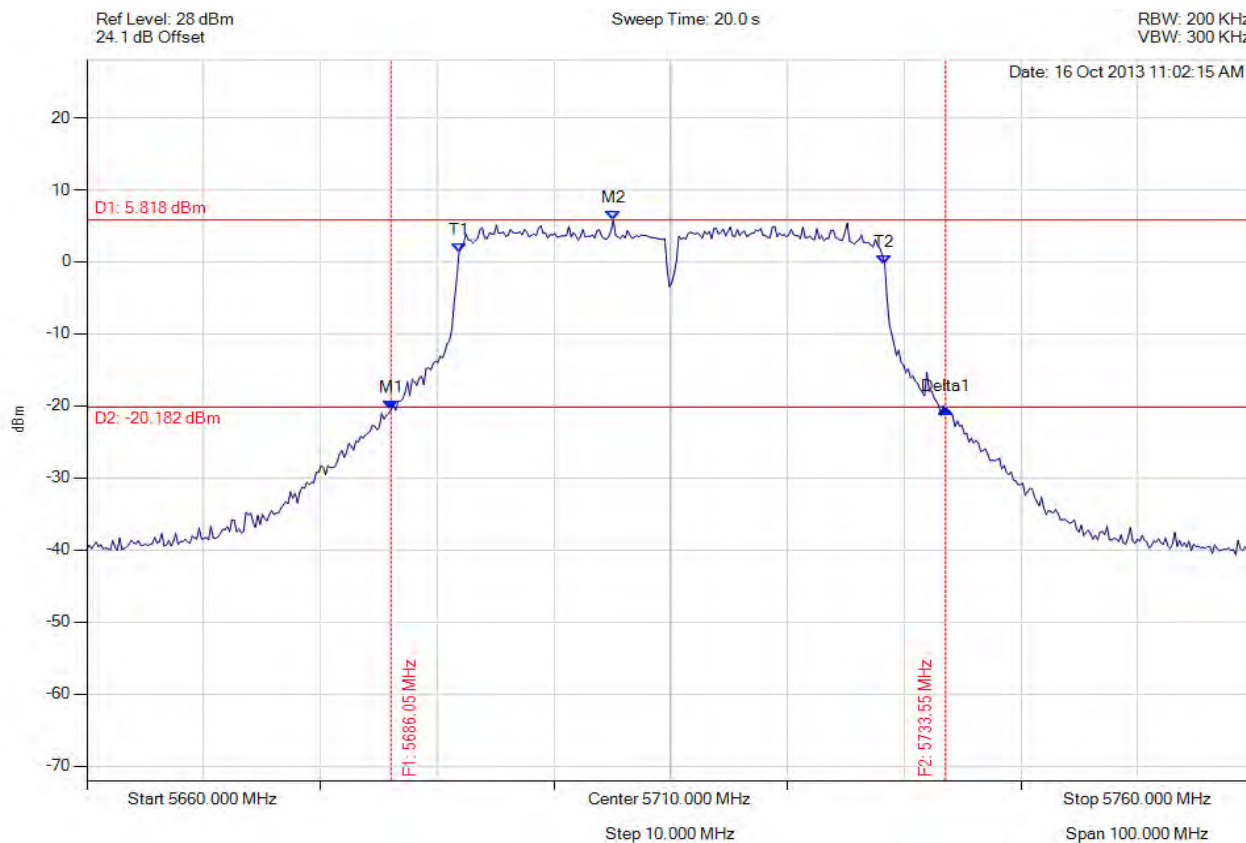
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**26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5686.052 MHz : -20.574 dBm M2 : 5705.090 MHz : 5.818 dBm Delta1 : 47.495 MHz : 0.222 dB T1 : 5691.864 MHz : 1.246 dBm T2 : 5728.337 MHz : -0.361 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.495 MHz Measured 99% Bandwidth: 36.473 MHz

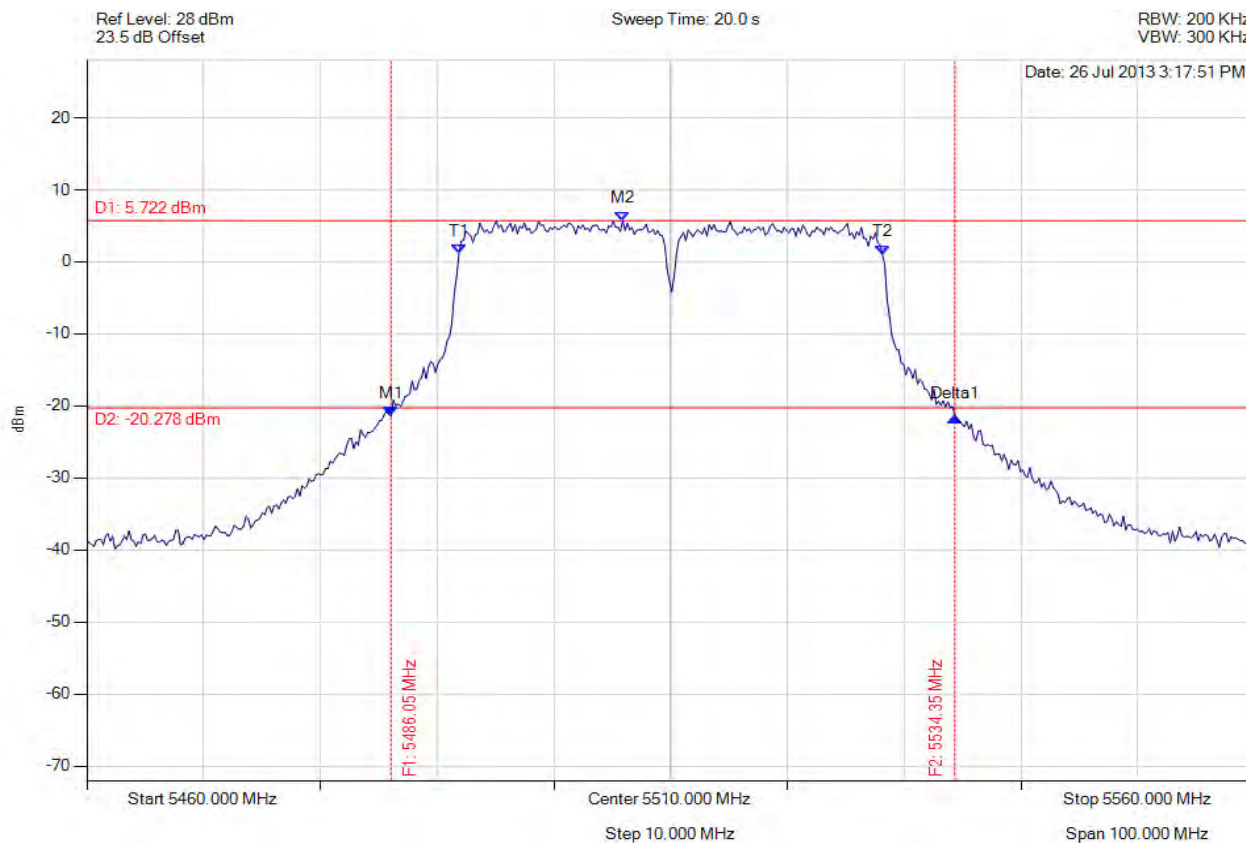
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5510.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5486.052 MHz : -21.410 dBm M2 : 5505.892 MHz : 5.722 dBm Delta1 : 48.297 MHz : -0.055 dB T1 : 5491.864 MHz : 1.108 dBm T2 : 5528.136 MHz : 1.047 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 48.297 MHz Measured 99% Bandwidth: 36.273 MHz

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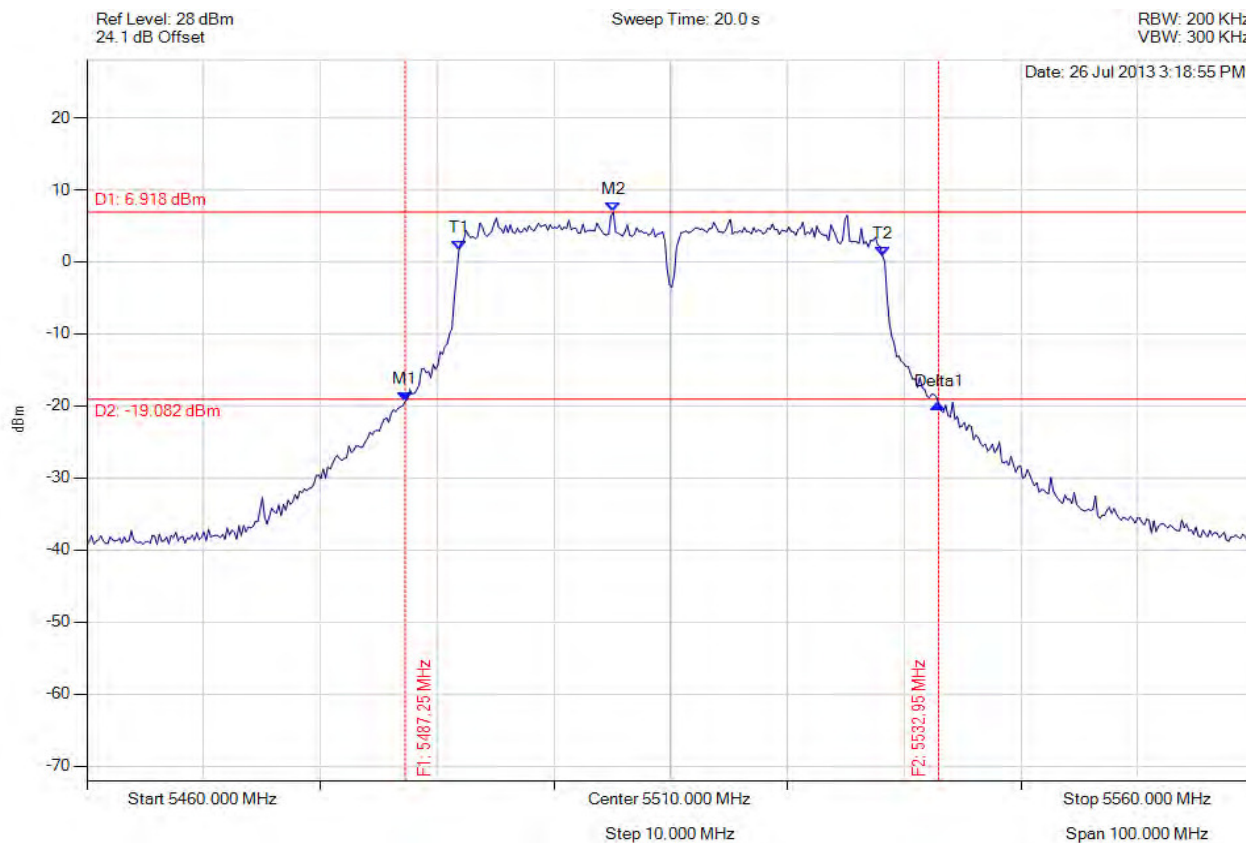


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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5510.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5487.255 MHz : -19.398 dBm M2 : 5505.090 MHz : 6.918 dBm Delta1 : 45.691 MHz : -0.279 dB T1 : 5491.864 MHz : 1.679 dBm T2 : 5528.136 MHz : 0.854 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 45.691 MHz Measured 99% Bandwidth: 36.273 MHz

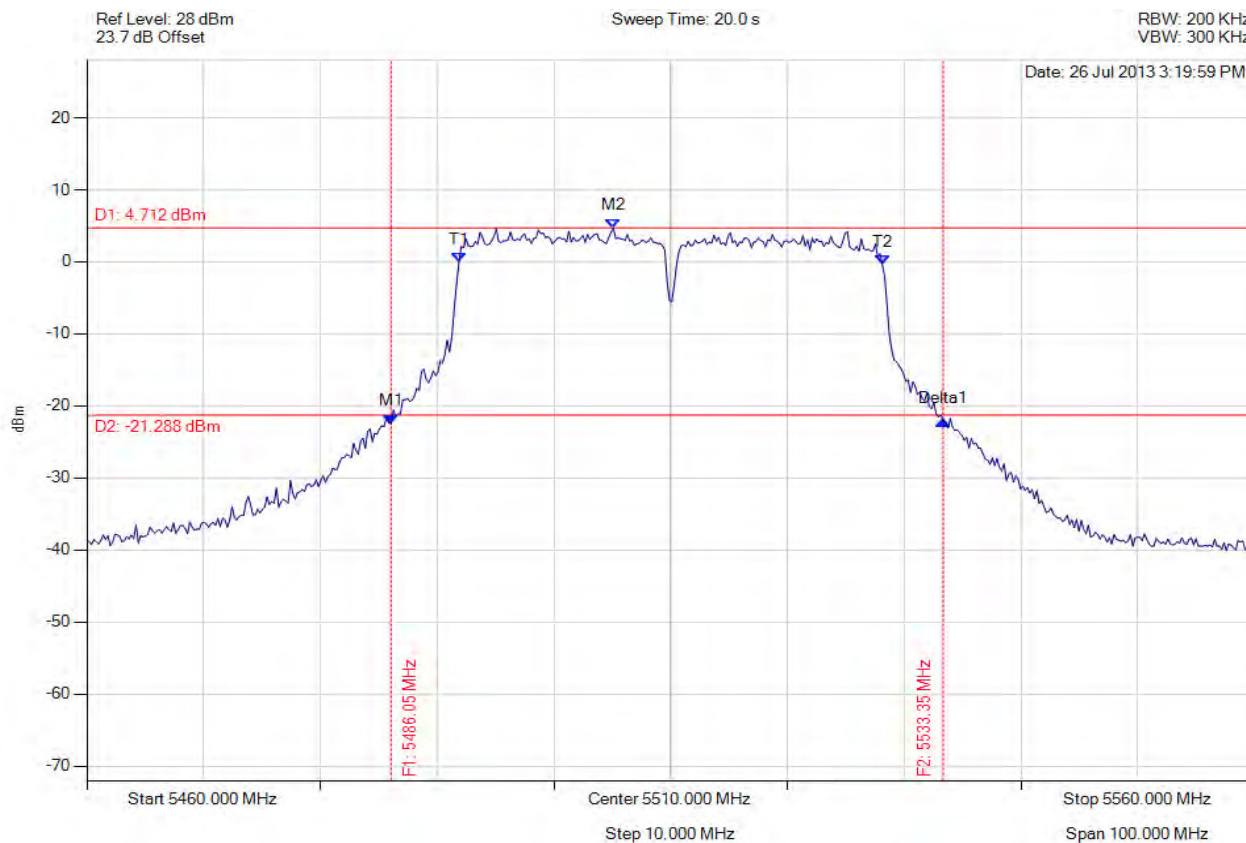
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5510.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5486.052 MHz : -22.467 dBm M2 : 5505.090 MHz : 4.712 dBm Delta1 : 47.295 MHz : 0.340 dB T1 : 5491.864 MHz : -0.027 dBm T2 : 5528.136 MHz : -0.434 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.295 MHz Measured 99% Bandwidth: 36.273 MHz

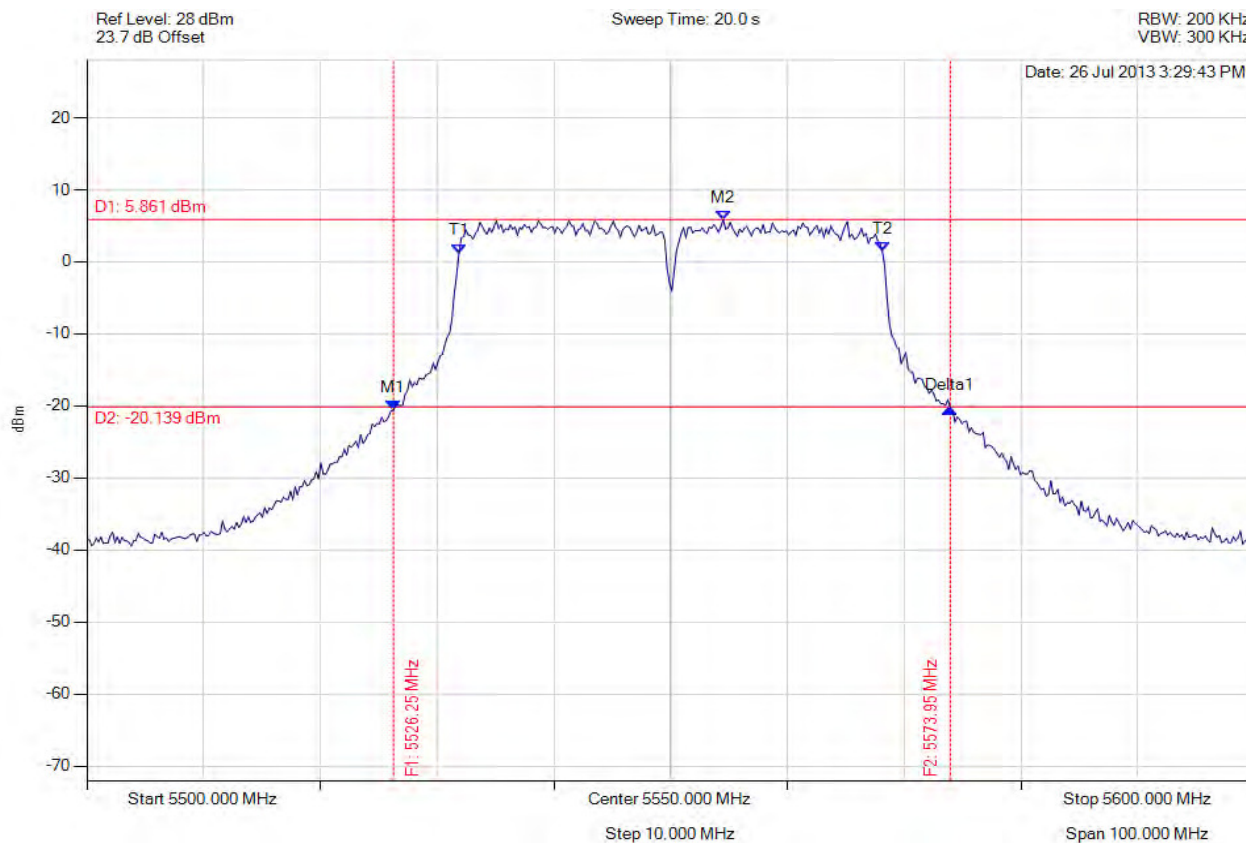
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5550.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5526.253 MHz : -20.617 dBm M2 : 5554.509 MHz : 5.861 dBm Delta1 : 47.695 MHz : 0.315 dB T1 : 5531.864 MHz : 1.212 dBm T2 : 5568.136 MHz : 1.474 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.273 MHz

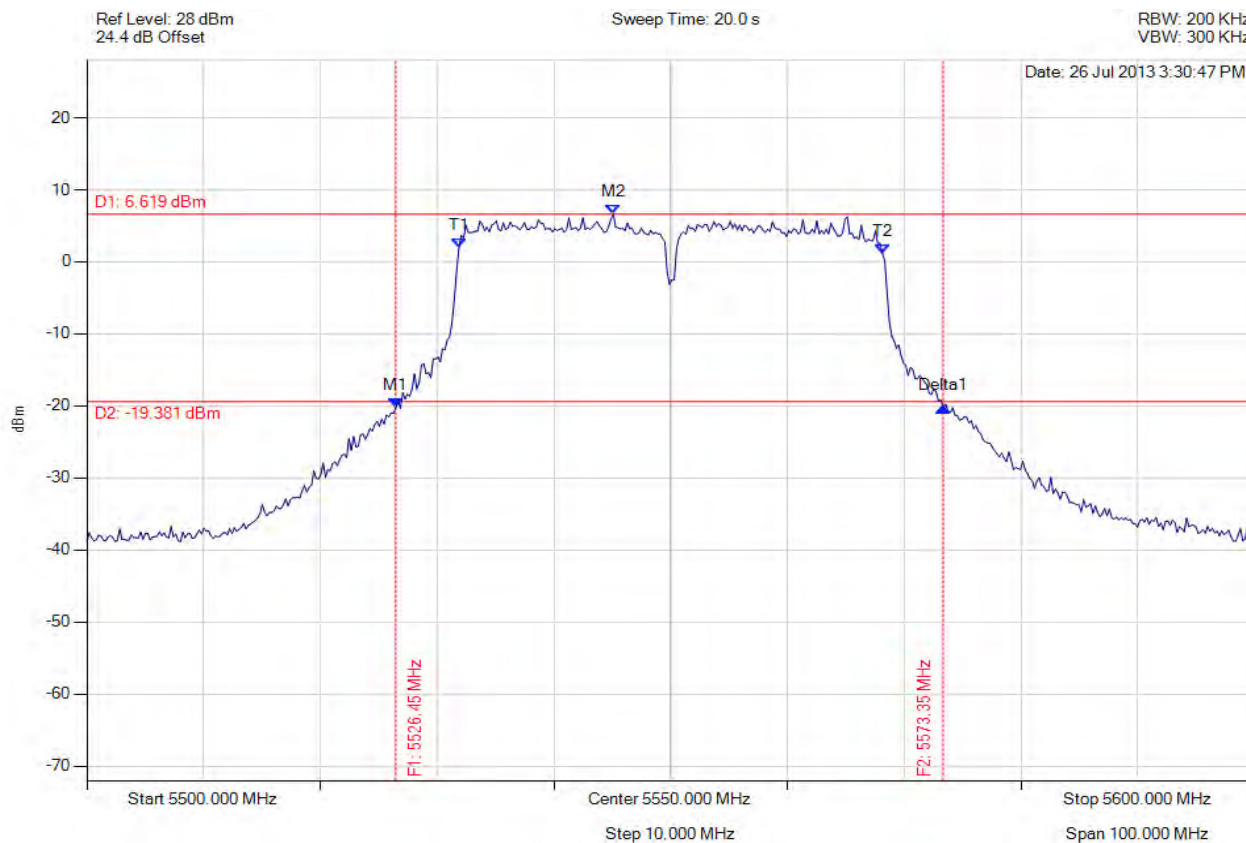
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5550.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5526.453 MHz : -20.271 dBm M2 : 5545.090 MHz : 6.619 dBm Delta1 : 46.894 MHz : 0.063 dB T1 : 5531.864 MHz : 1.992 dBm T2 : 5568.136 MHz : 1.203 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.273 MHz

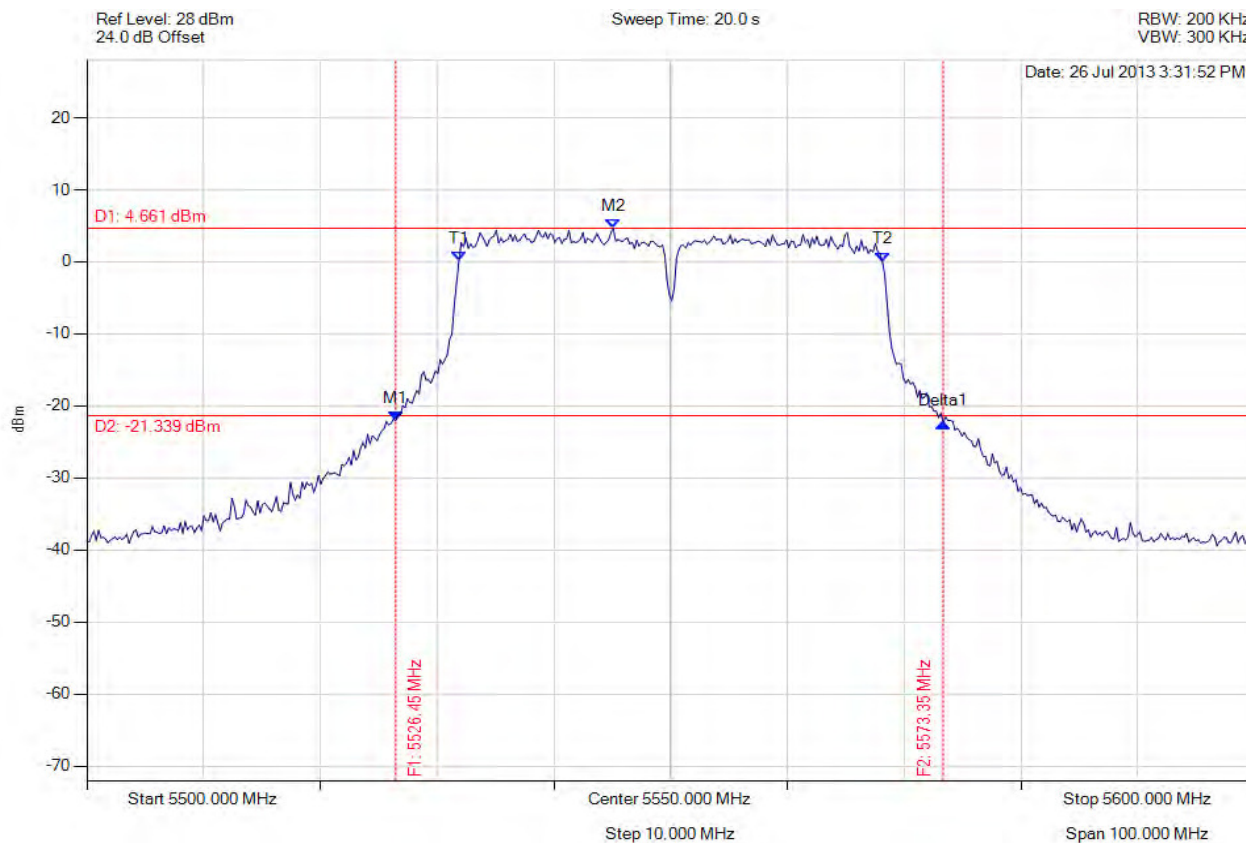
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5550.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5526.453 MHz : -22.026 dBm M2 : 5545.090 MHz : 4.661 dBm Delta1 : 46.894 MHz : -0.305 dB T1 : 5531.864 MHz : 0.134 dBm T2 : 5568.136 MHz : 0.048 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.273 MHz

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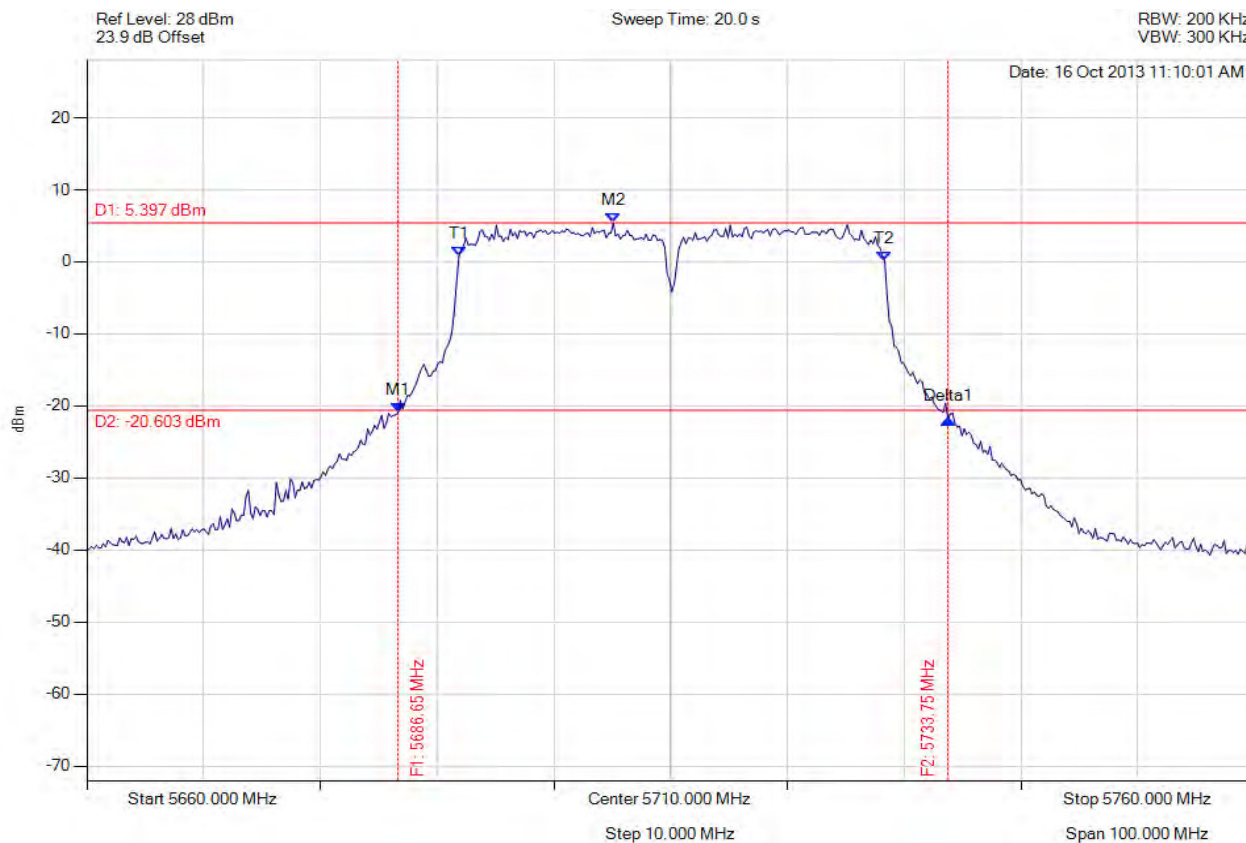
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5686.653 MHz : -20.916 dBm M2 : 5705.090 MHz : 5.397 dBm Delta1 : 47.094 MHz : -0.885 dB T1 : 5691.864 MHz : 0.766 dBm T2 : 5728.337 MHz : 0.069 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 47.094 MHz Measured 99% Bandwidth: 36.473 MHz

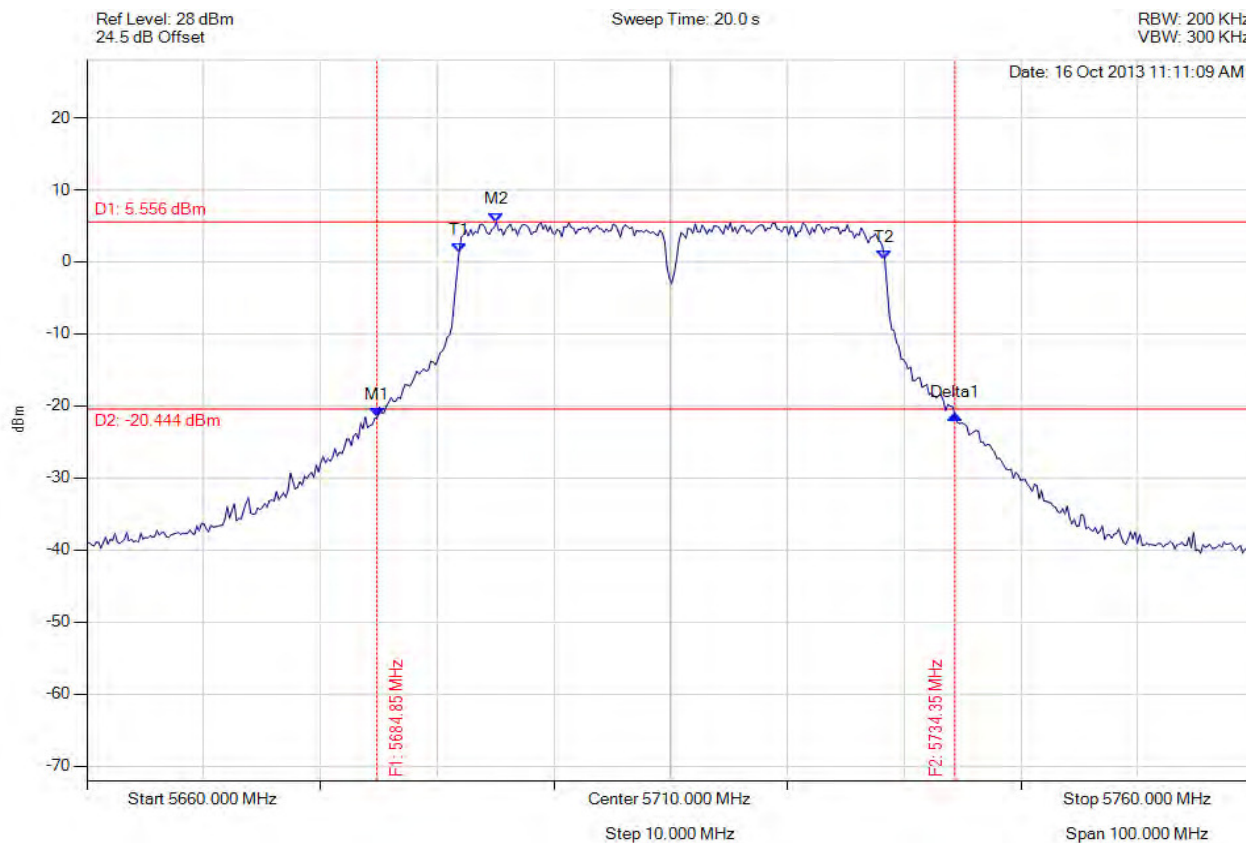
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5684.850 MHz : -21.627 dBm M2 : 5695.070 MHz : 5.556 dBm Delta1 : 49.499 MHz : 0.384 dB T1 : 5691.864 MHz : 1.254 dBm T2 : 5728.337 MHz : 0.329 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 49.499 MHz Measured 99% Bandwidth: 36.473 MHz

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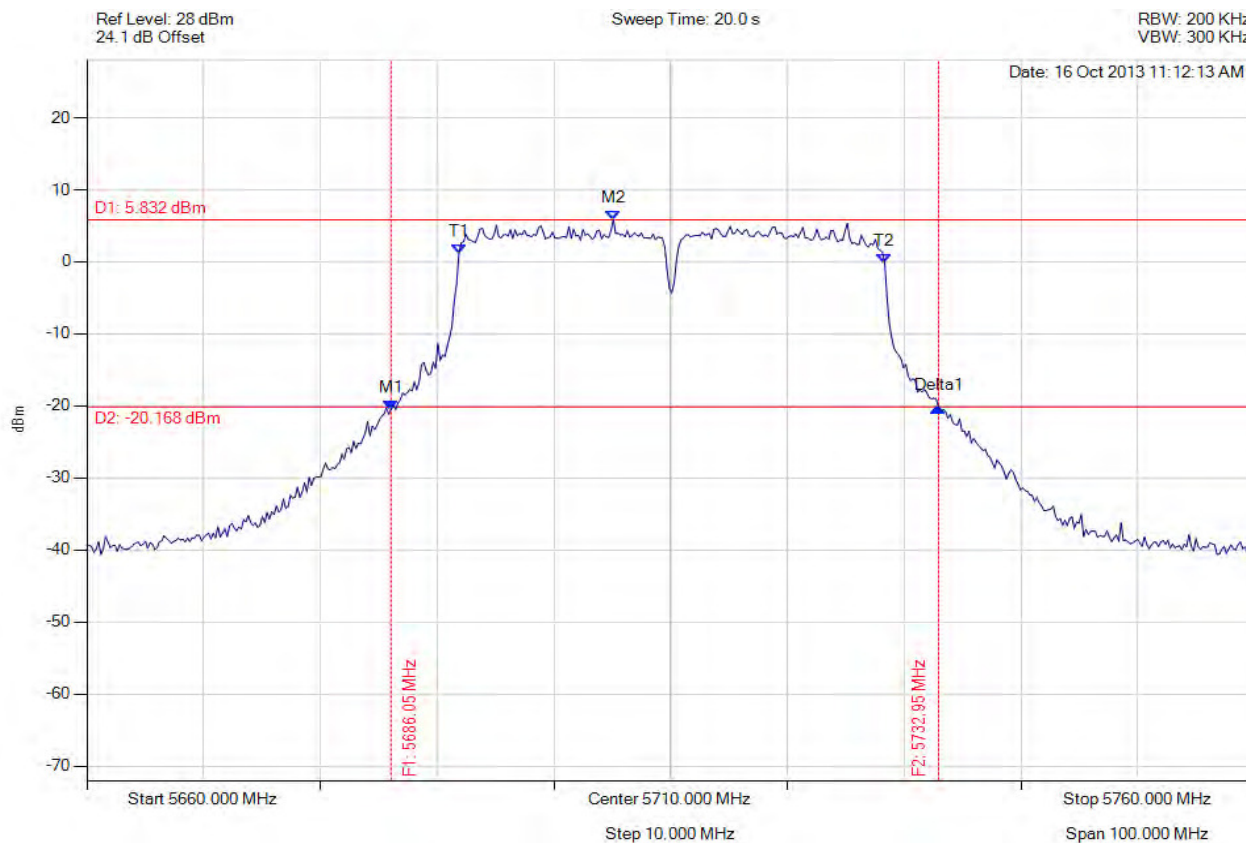


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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5686.052 MHz : -20.497 dBm M2 : 5705.090 MHz : 5.832 dBm Delta1 : 46.894 MHz : 0.270 dB T1 : 5691.864 MHz : 1.183 dBm T2 : 5728.337 MHz : -0.265 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.473 MHz

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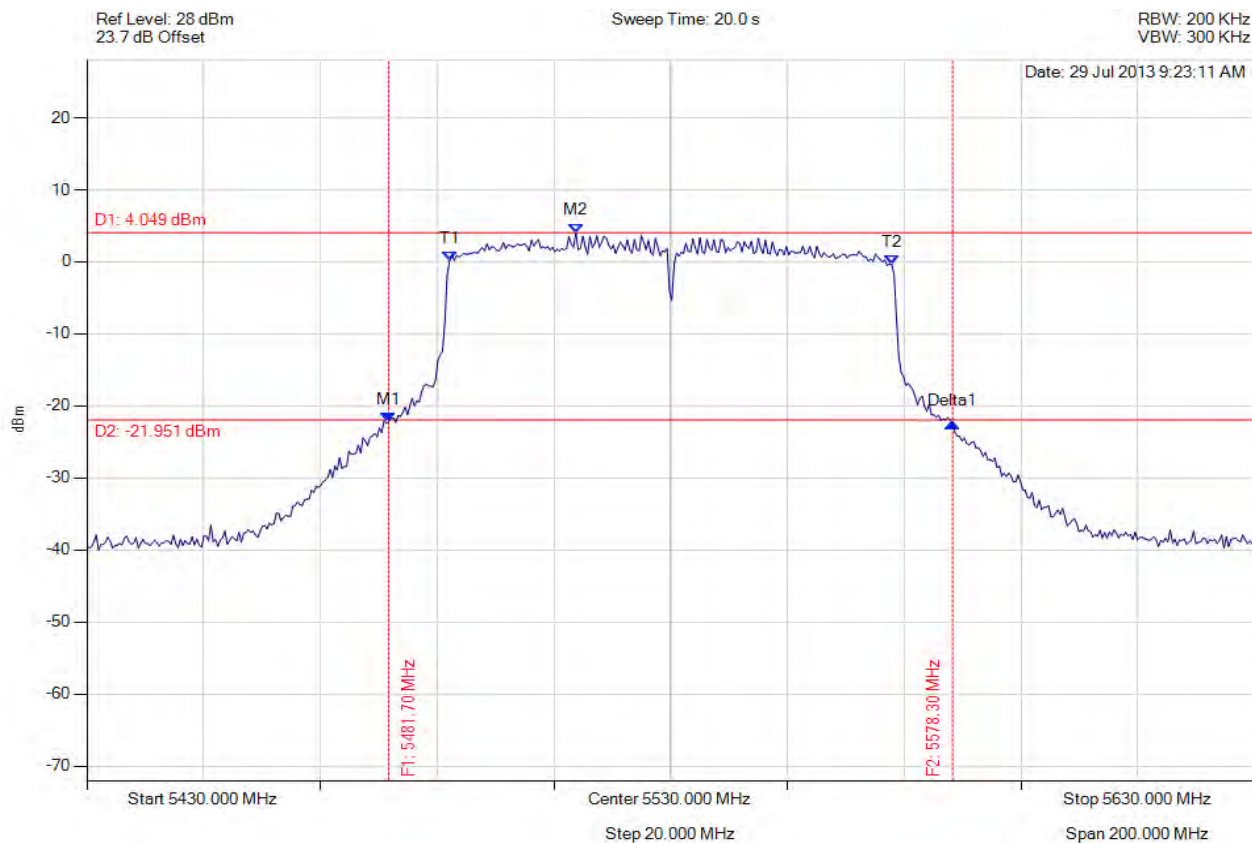


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**26 dB & 99% BANDWIDTH**

Variat: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5481.703 MHz : -22.187 dBm M2 : 5513.768 MHz : 4.049 dBm Delta1 : 96.593 MHz : -0.238 dB T1 : 5492.124 MHz : 0.123 dBm T2 : 5567.876 MHz : -0.367 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 96.593 MHz Measured 99% Bandwidth: 75.752 MHz

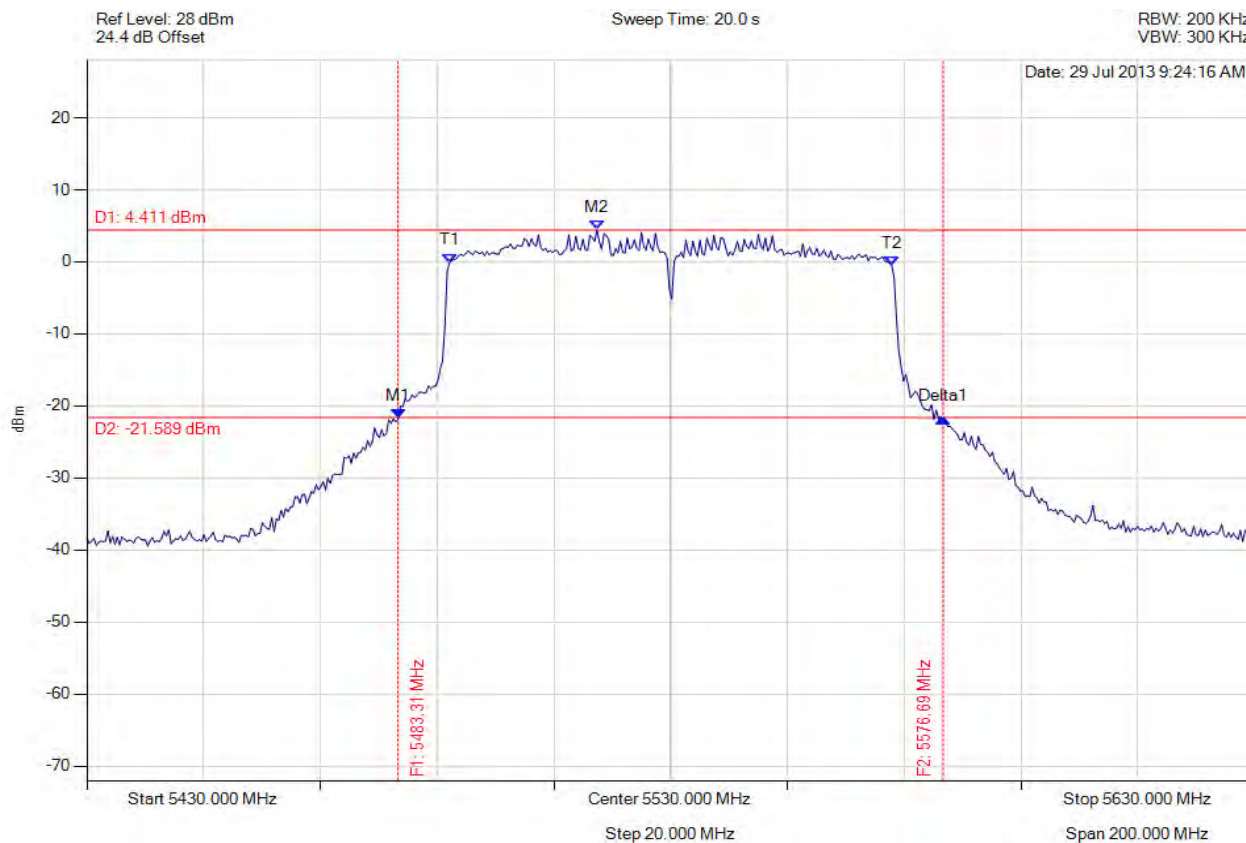
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5483.307 MHz : -21.794 dBm M2 : 5517.375 MHz : 4.411 dBm Delta1 : 93.387 MHz : 0.037 dB T1 : 5492.124 MHz : -0.119 dBm T2 : 5567.876 MHz : -0.499 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 93.387 MHz Measured 99% Bandwidth: 75.752 MHz

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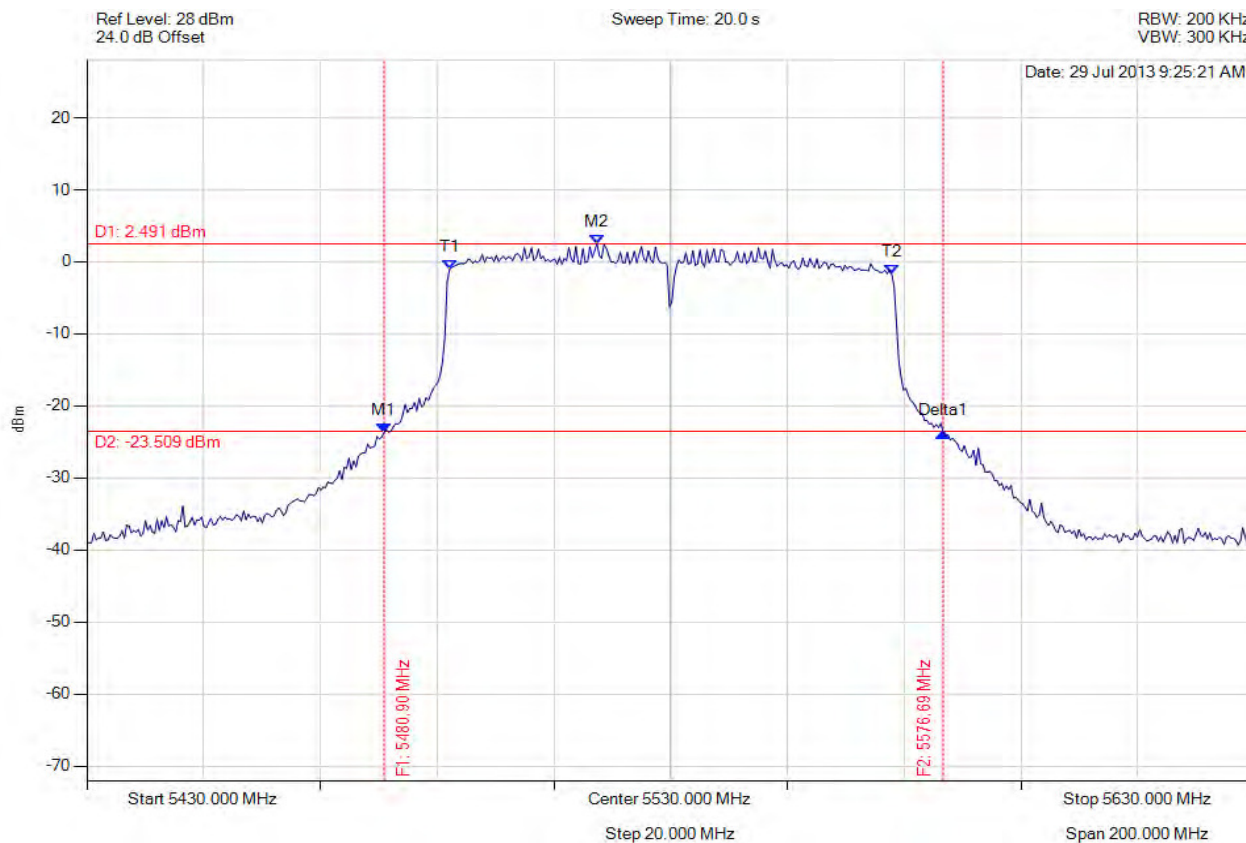


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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5480.902 MHz : -23.761 dBm M2 : 5517.375 MHz : 2.491 dBm Delta1 : 95.792 MHz : 0.012 dB T1 : 5492.124 MHz : -1.050 dBm T2 : 5567.876 MHz : -1.742 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 95.792 MHz Measured 99% Bandwidth: 75.752 MHz

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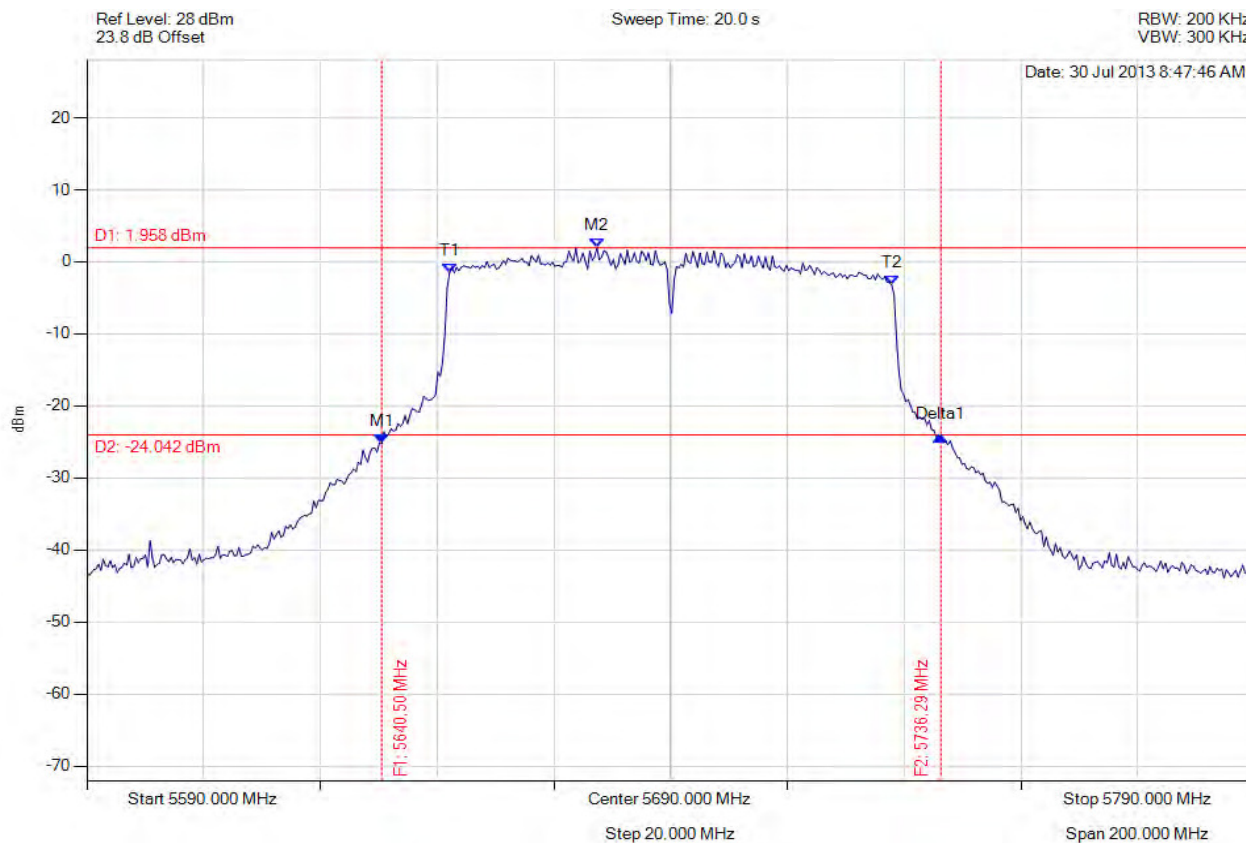


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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5640.501 MHz : -25.258 dBm M2 : 5677.375 MHz : 1.958 dBm Delta1 : 95.792 MHz : 0.994 dB T1 : 5652.124 MHz : -1.504 dBm T2 : 5727.876 MHz : -3.234 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 95.792 MHz Measured 99% Bandwidth: 75.752 MHz

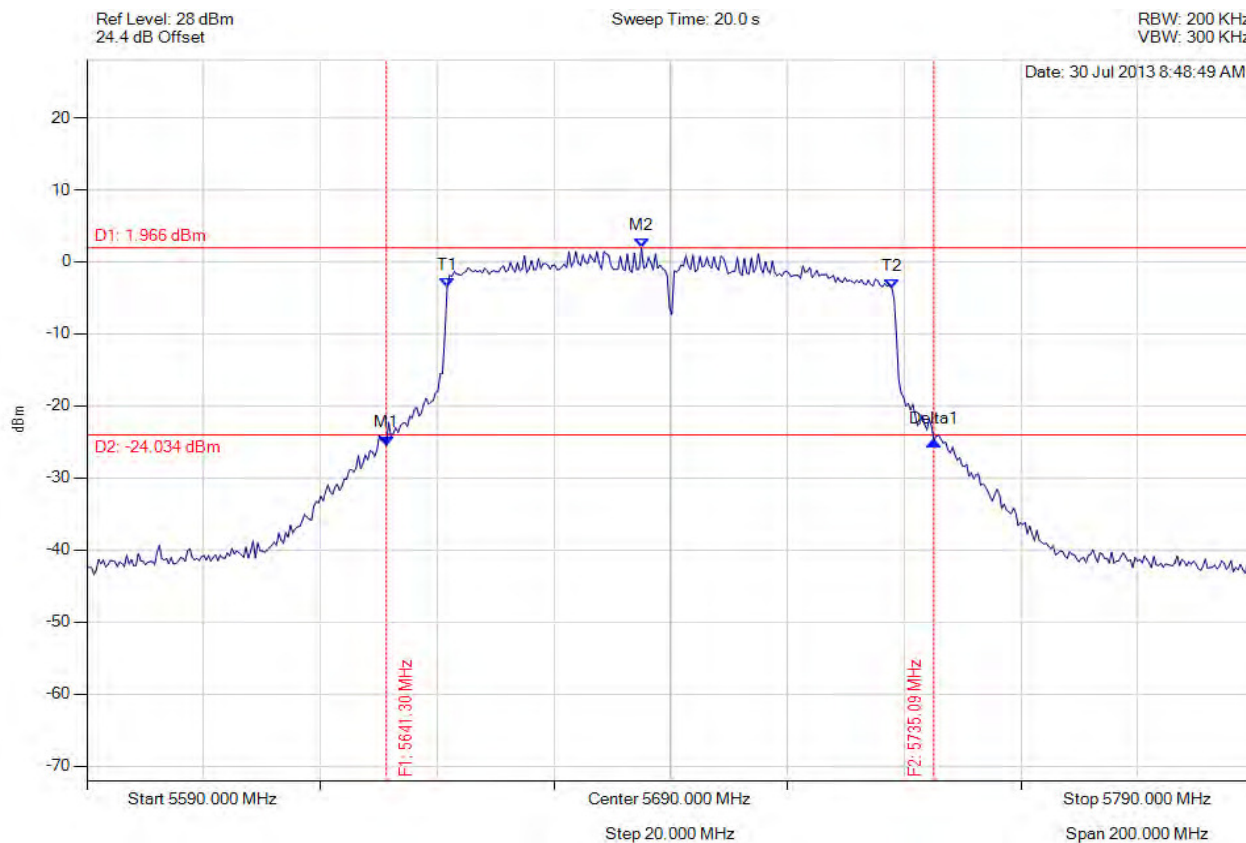
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5641.303 MHz : -25.467 dBm M2 : 5684.990 MHz : 1.966 dBm Delta1 : 93.788 MHz : 0.643 dB T1 : 5651.723 MHz : -3.606 dBm T2 : 5727.876 MHz : -3.635 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 93.788 MHz Measured 99% Bandwidth: 76.152 MHz

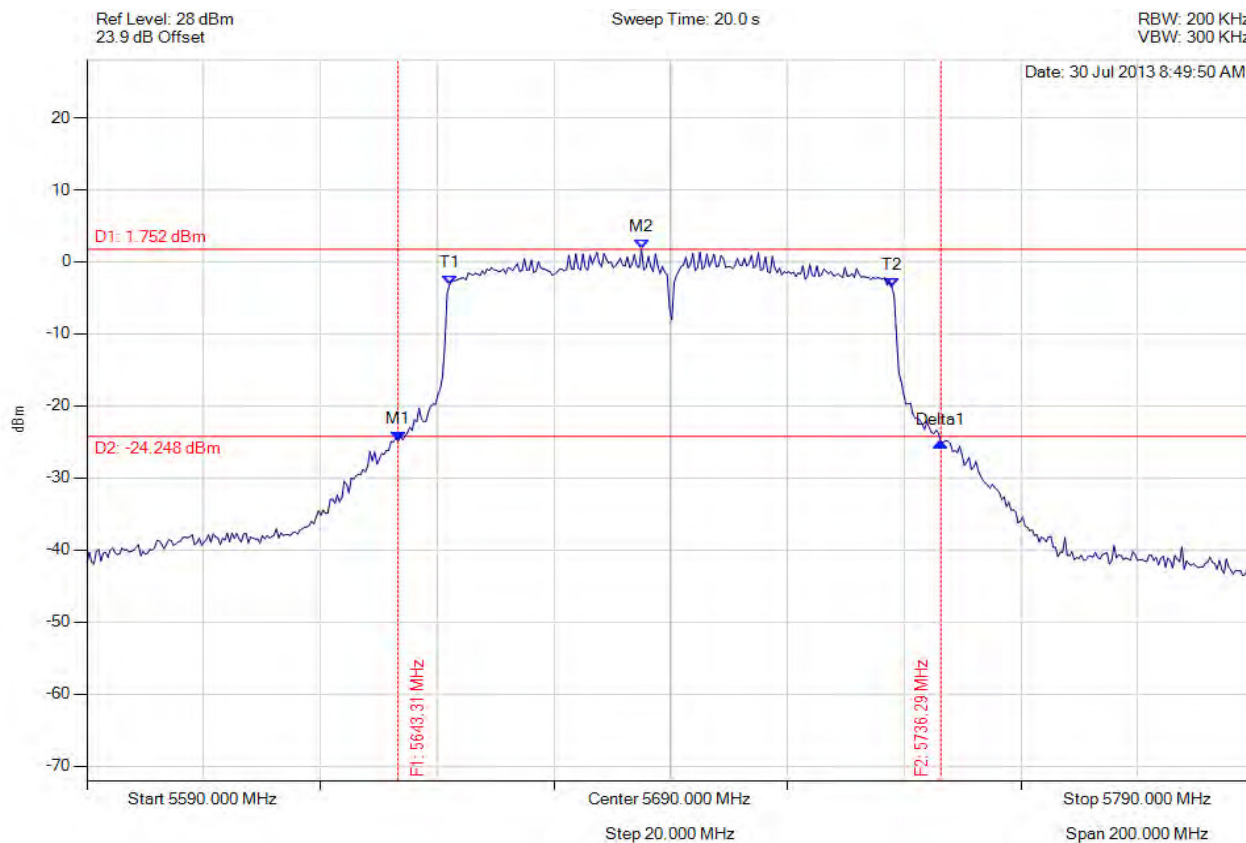
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**26 dB & 99% BANDWIDTH**

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5643.307 MHz : -24.877 dBm M2 : 5684.990 MHz : 1.752 dBm Delta1 : 92.986 MHz : -0.159 dB T1 : 5652.124 MHz : -3.167 dBm T2 : 5727.876 MHz : -3.468 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 92.986 MHz Measured 99% Bandwidth: 75.752 MHz

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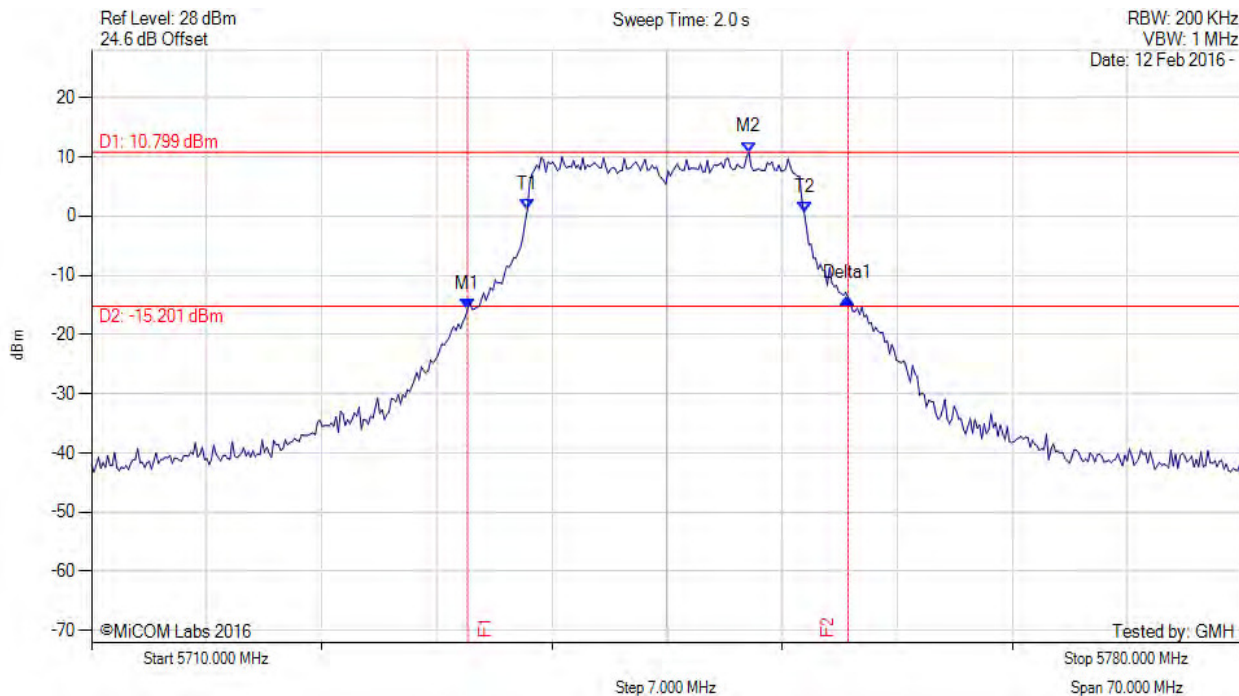


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26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain a, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5732.866 MHz : -15.795 dBm M2 : 5749.980 MHz : 10.799 dBm Delta1 : 23.146 MHz : 1.993 dB T1 : 5736.513 MHz : 1.094 dBm T2 : 5753.347 MHz : 0.557 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.146 MHz Measured 99% Bandwidth: 16.834 MHz

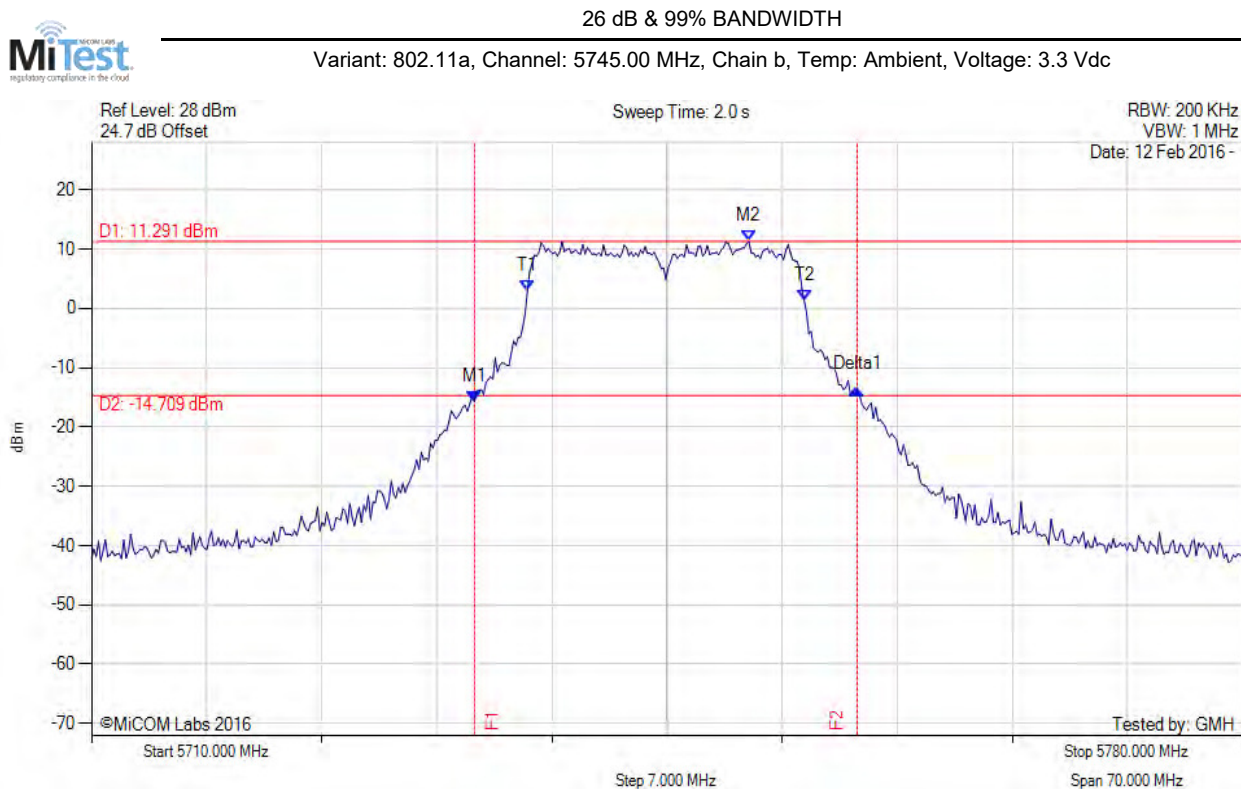
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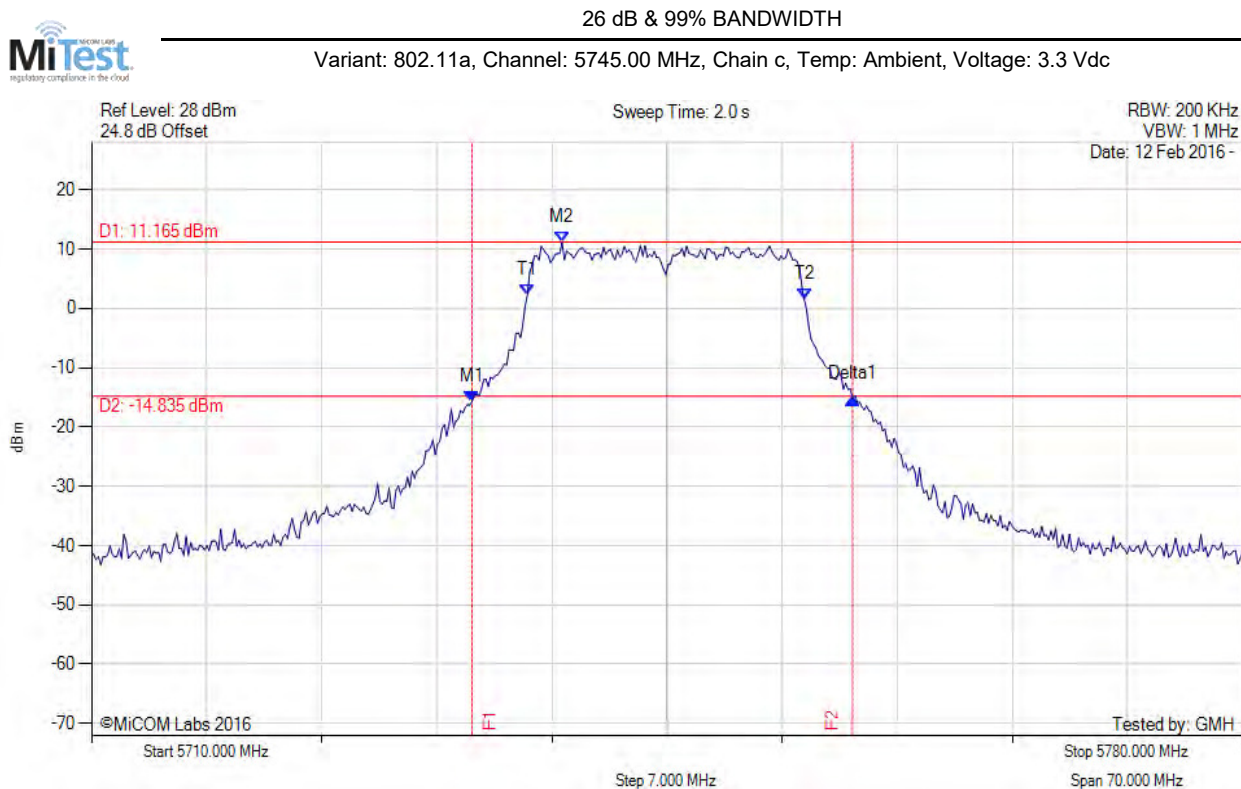
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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.287 MHz : -15.689 dBm M2 : 5749.980 MHz : 11.291 dBm Delta1 : 23.287 MHz : 1.963 dB T1 : 5736.513 MHz : 2.891 dBm T2 : 5753.347 MHz : 1.329 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.287 MHz Measured 99% Bandwidth: 16.834 MHz

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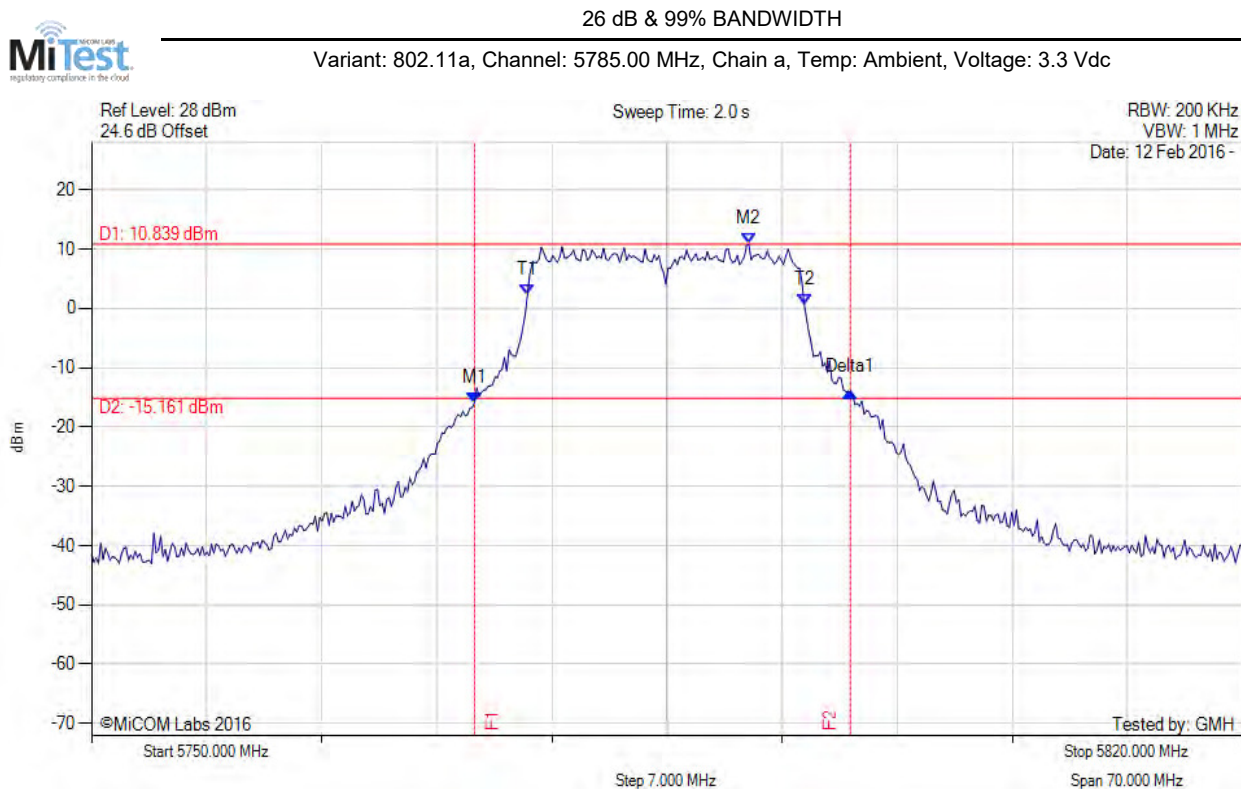
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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.146 MHz : -15.677 dBm M2 : 5738.617 MHz : 11.165 dBm Delta1 : 23.146 MHz : 0.456 dB T1 : 5736.513 MHz : 2.312 dBm T2 : 5753.347 MHz : 1.523 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.146 MHz Measured 99% Bandwidth: 16.834 MHz

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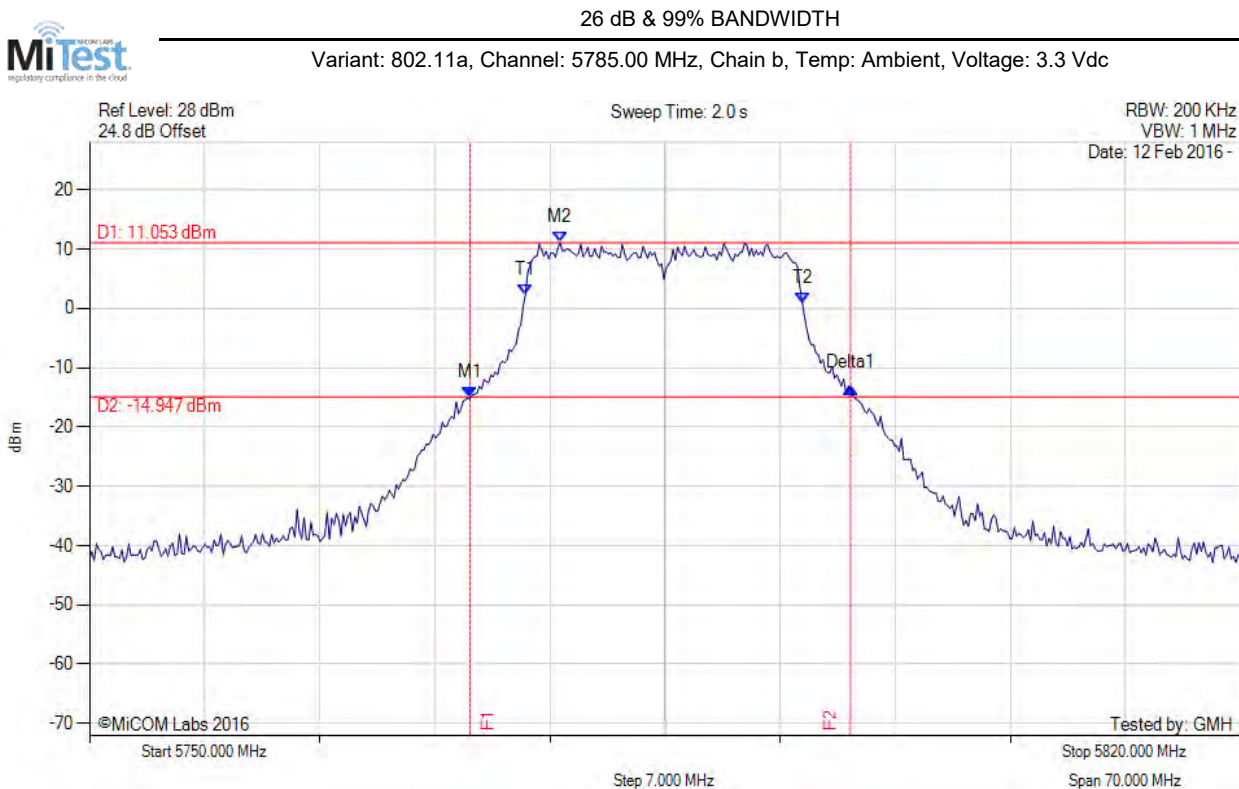
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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.287 MHz : -15.872 dBm M2 : 5789.980 MHz : 10.839 dBm Delta1 : 22.866 MHz : 1.855 dB T1 : 5776.513 MHz : 2.169 dBm T2 : 5793.347 MHz : 0.719 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.866 MHz Measured 99% Bandwidth: 16.834 MHz

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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.146 MHz : -15.117 dBm M2 : 5778.617 MHz : 11.053 dBm Delta1 : 23.146 MHz : 1.755 dB T1 : 5776.513 MHz : 2.334 dBm T2 : 5793.347 MHz : 0.923 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.146 MHz Measured 99% Bandwidth: 16.834 MHz

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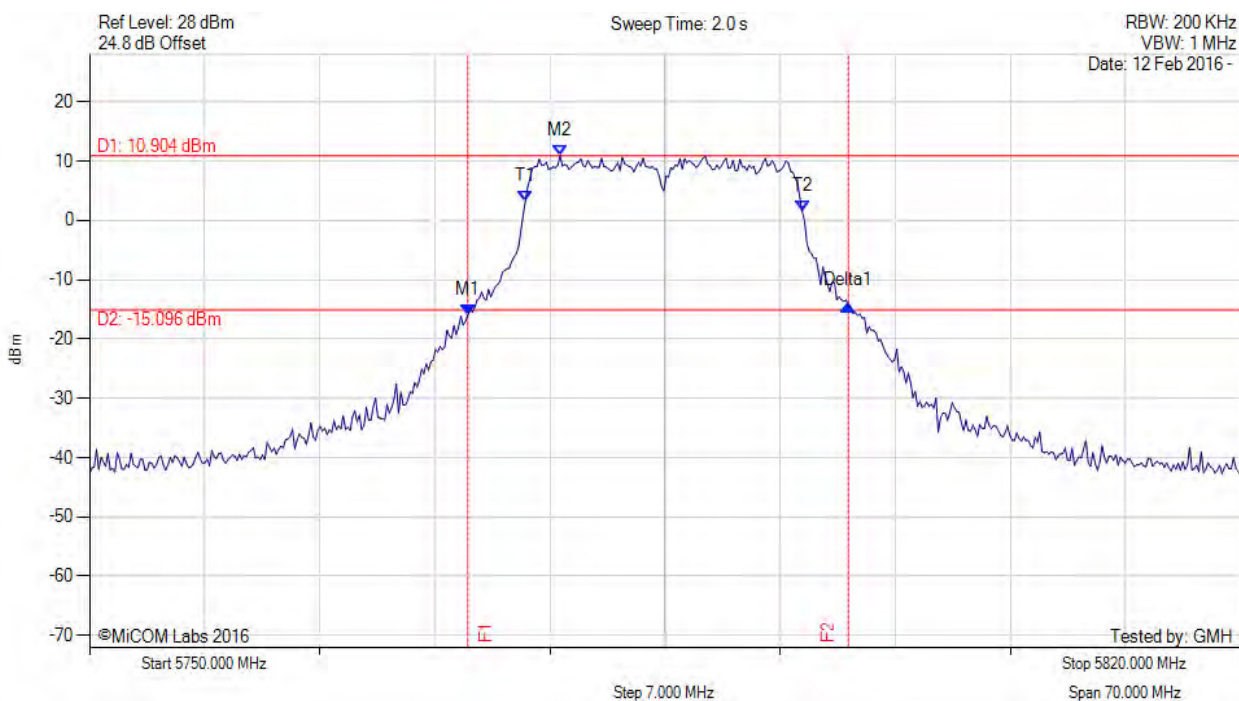


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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5785.00 MHz, Chain c, Temp: Ambient, Voltage: 3.3 Vdc

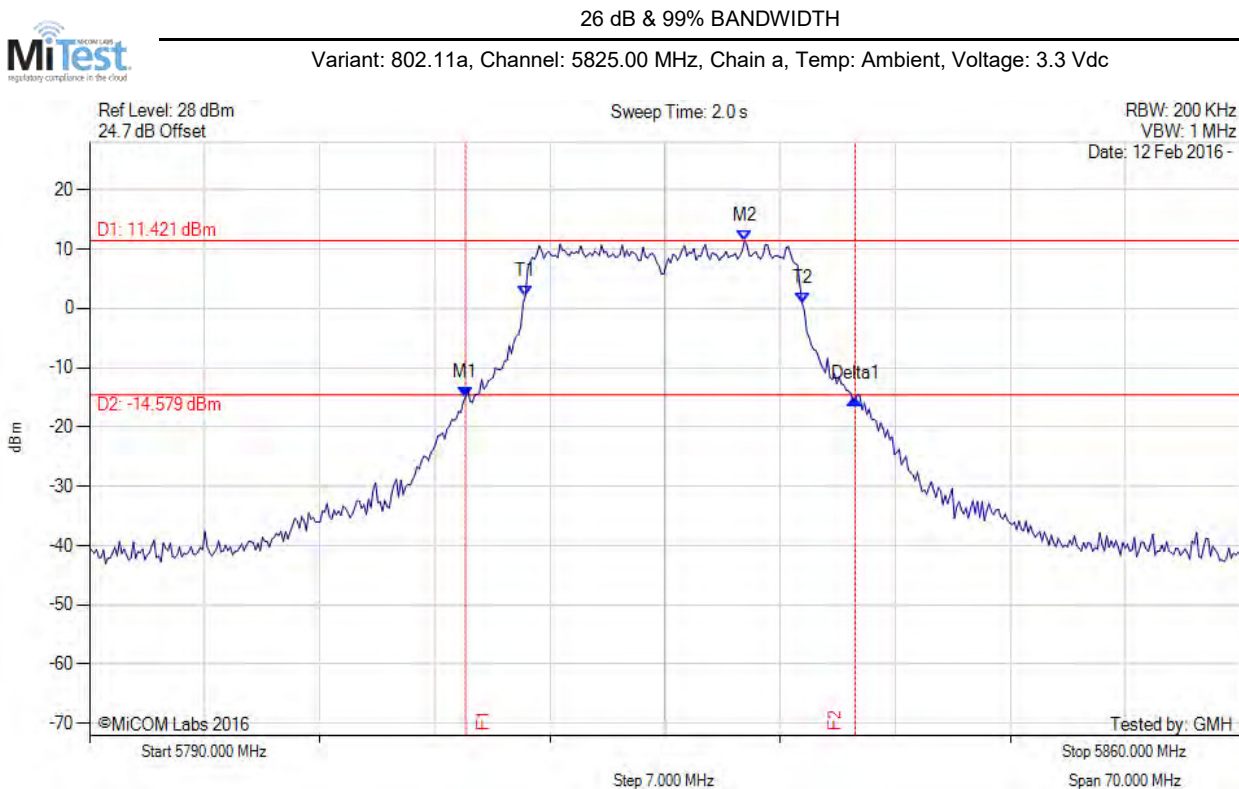


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.006 MHz : -15.976 dBm M2 : 5778.617 MHz : 10.904 dBm Delta1 : 23.146 MHz : 1.643 dB T1 : 5776.513 MHz : 3.288 dBm T2 : 5793.347 MHz : 1.472 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.146 MHz Measured 99% Bandwidth: 16.834 MHz

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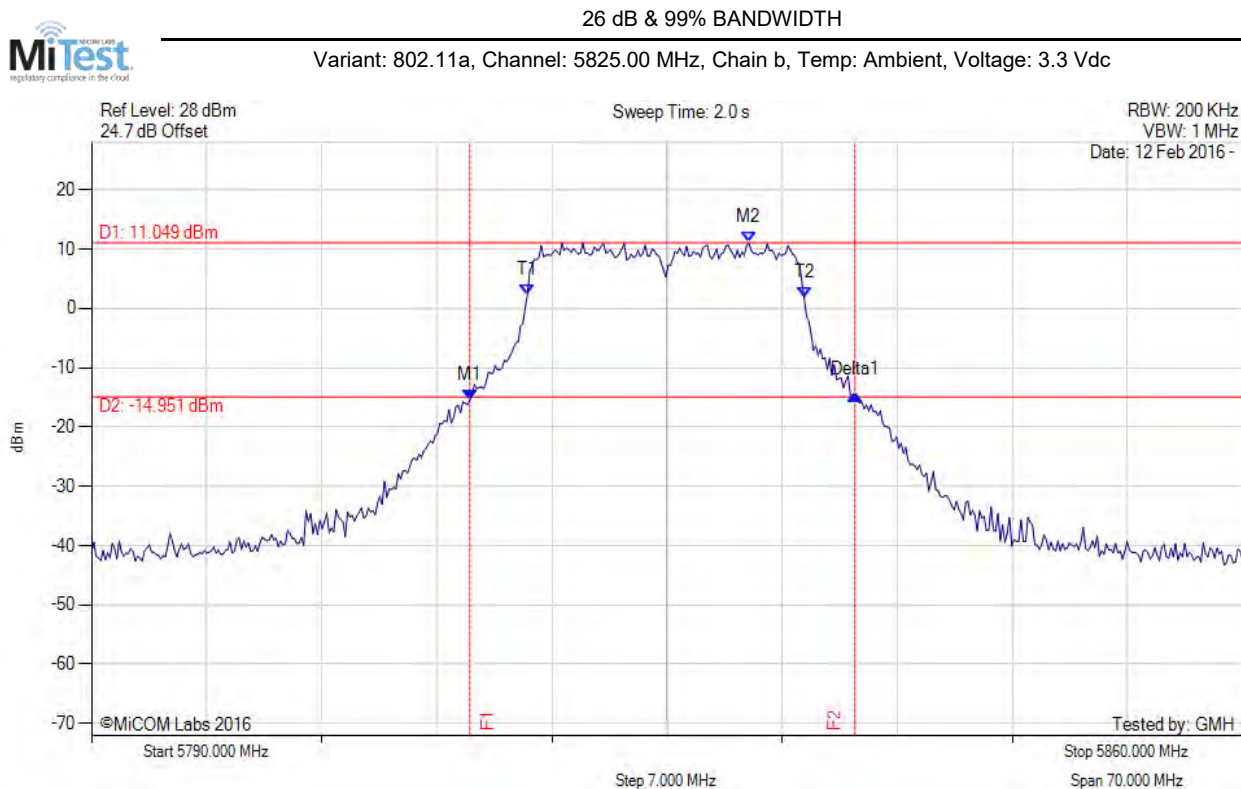




Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5812.866 MHz : -14.947 dBm M2 : 5829.840 MHz : 11.421 dBm Delta1 : 23.707 MHz : -0.417 dB T1 : 5816.513 MHz : 2.102 dBm T2 : 5833.347 MHz : 0.841 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.707 MHz Measured 99% Bandwidth: 16.834 MHz

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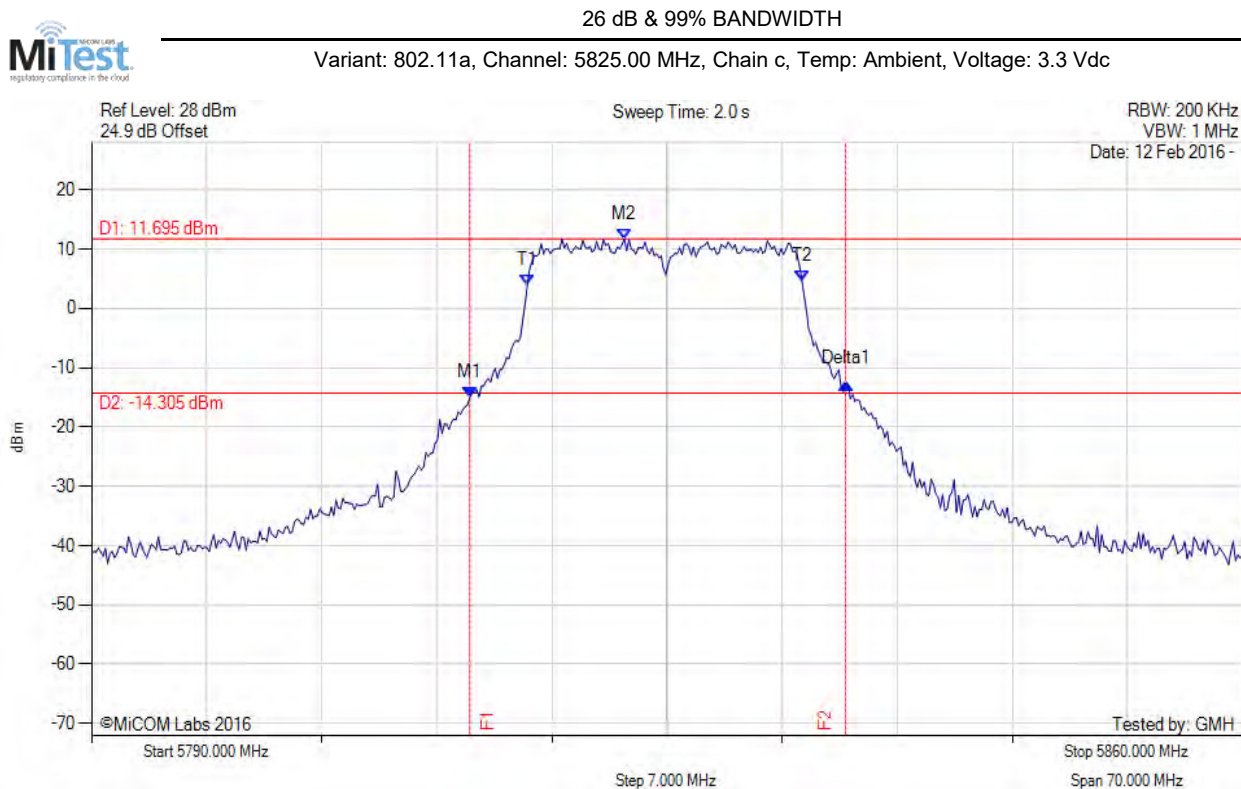
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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.006 MHz : -15.457 dBm M2 : 5829.980 MHz : 11.049 dBm Delta1 : 23.427 MHz : 0.864 dB T1 : 5816.513 MHz : 2.251 dBm T2 : 5833.347 MHz : 1.718 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.427 MHz Measured 99% Bandwidth: 16.834 MHz

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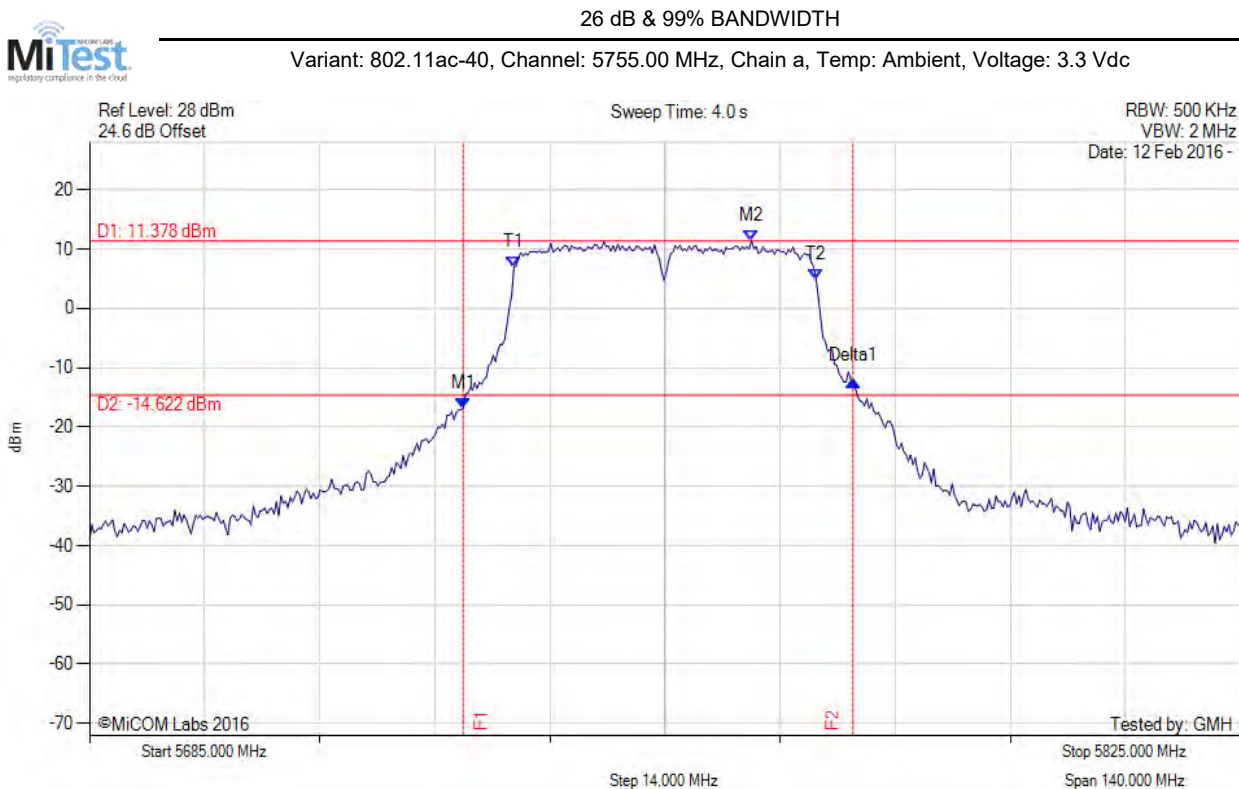
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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.006 MHz : -15.061 dBm M2 : 5822.405 MHz : 11.695 dBm Delta1 : 22.866 MHz : 2.443 dB T1 : 5816.513 MHz : 3.981 dBm T2 : 5833.206 MHz : 4.653 dBm OBW : 16.693 MHz	Measured 26 dB Bandwidth: 22.866 MHz Measured 99% Bandwidth: 16.693 MHz

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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5730.451 MHz : -16.879 dBm M2 : 5765.521 MHz : 11.378 dBm Delta1 : 47.415 MHz : 4.737 dB T1 : 5736.623 MHz : 6.920 dBm T2 : 5773.377 MHz : 4.836 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.415 MHz Measured 99% Bandwidth: 36.754 MHz

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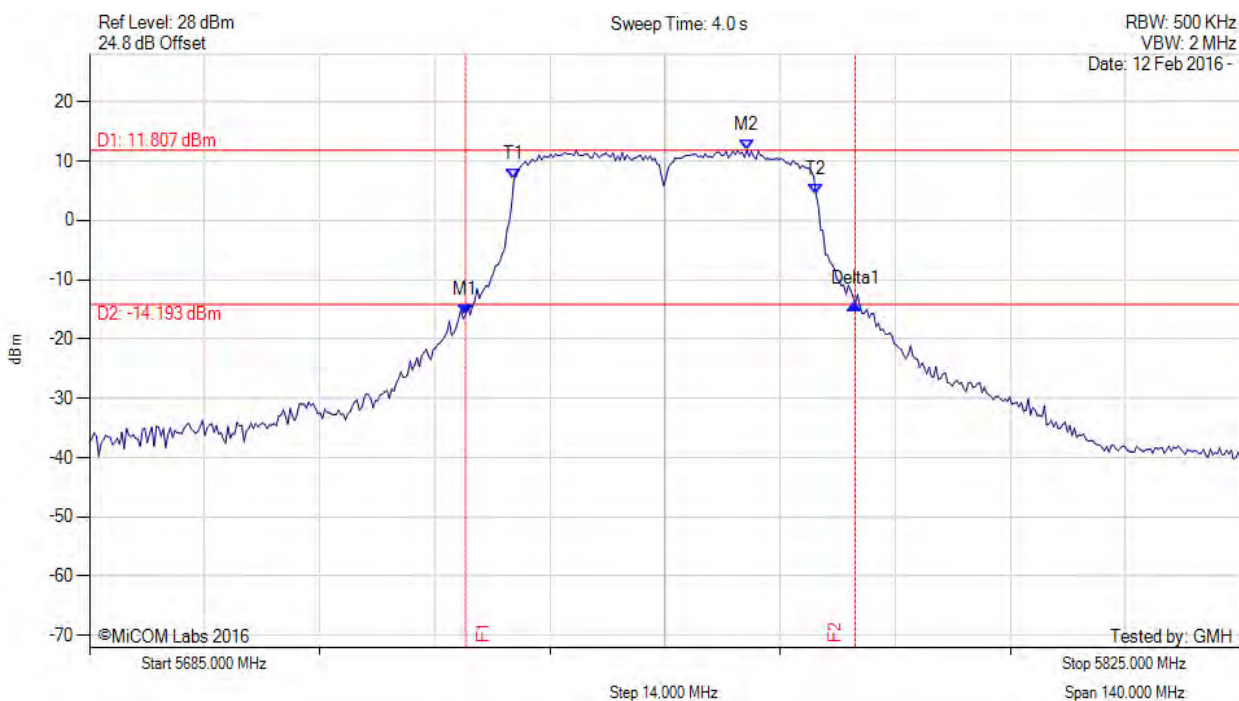


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26 dB & 99% BANDWIDTH



Variant: 802.11ac-40, Channel: 5755.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc

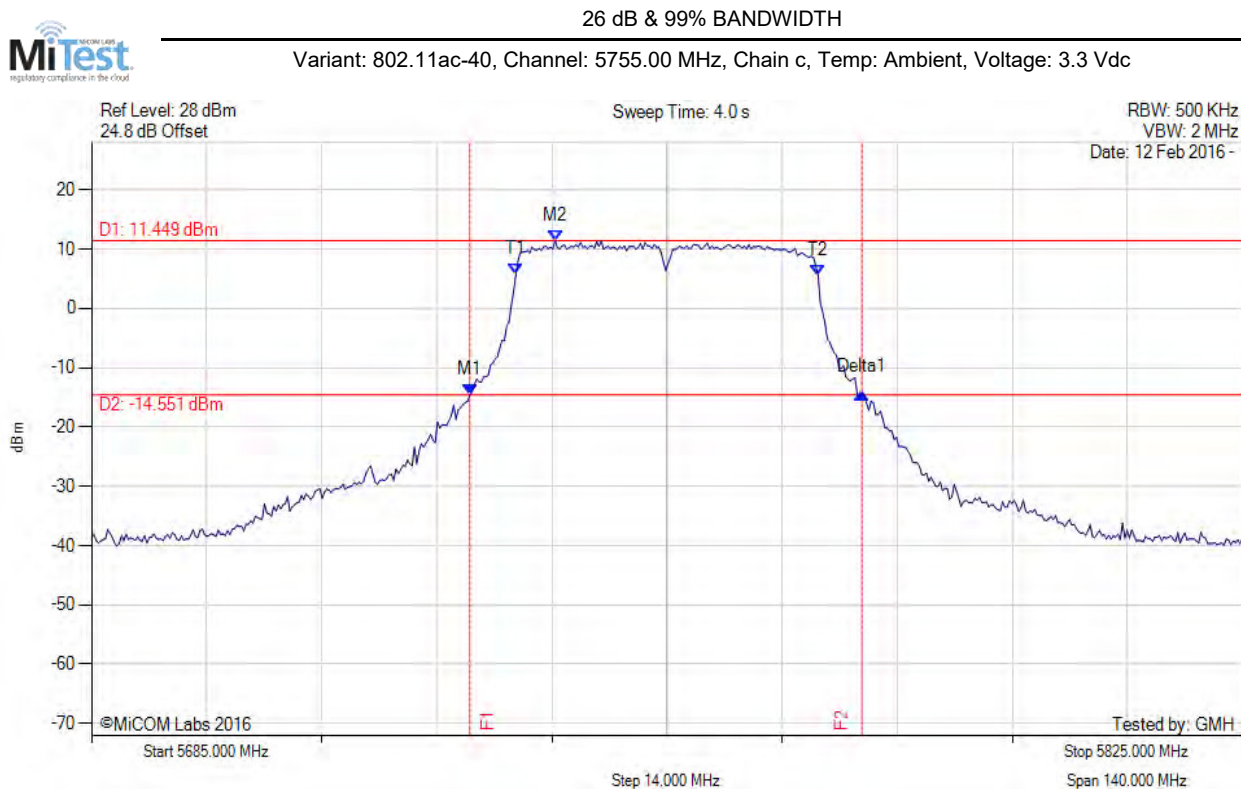


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5730.731 MHz : -15.970 dBm M2 : 5764.960 MHz : 11.807 dBm Delta1 : 47.415 MHz : 1.832 dB T1 : 5736.623 MHz : 6.920 dBm T2 : 5773.377 MHz : 4.396 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.415 MHz Measured 99% Bandwidth: 36.754 MHz

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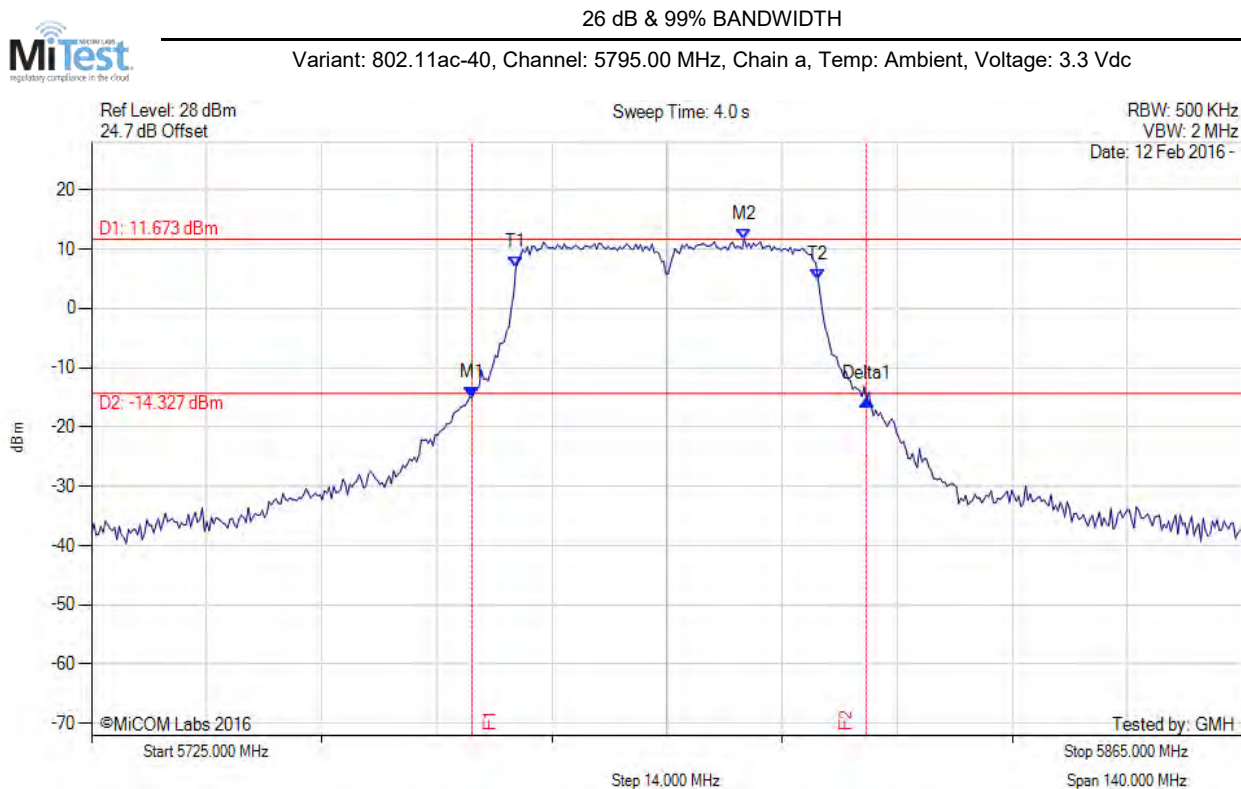




Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5731.012 MHz : -14.652 dBm M2 : 5741.393 MHz : 11.449 dBm Delta1 : 47.695 MHz : 0.451 dB T1 : 5736.623 MHz : 5.702 dBm T2 : 5773.377 MHz : 5.523 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.754 MHz

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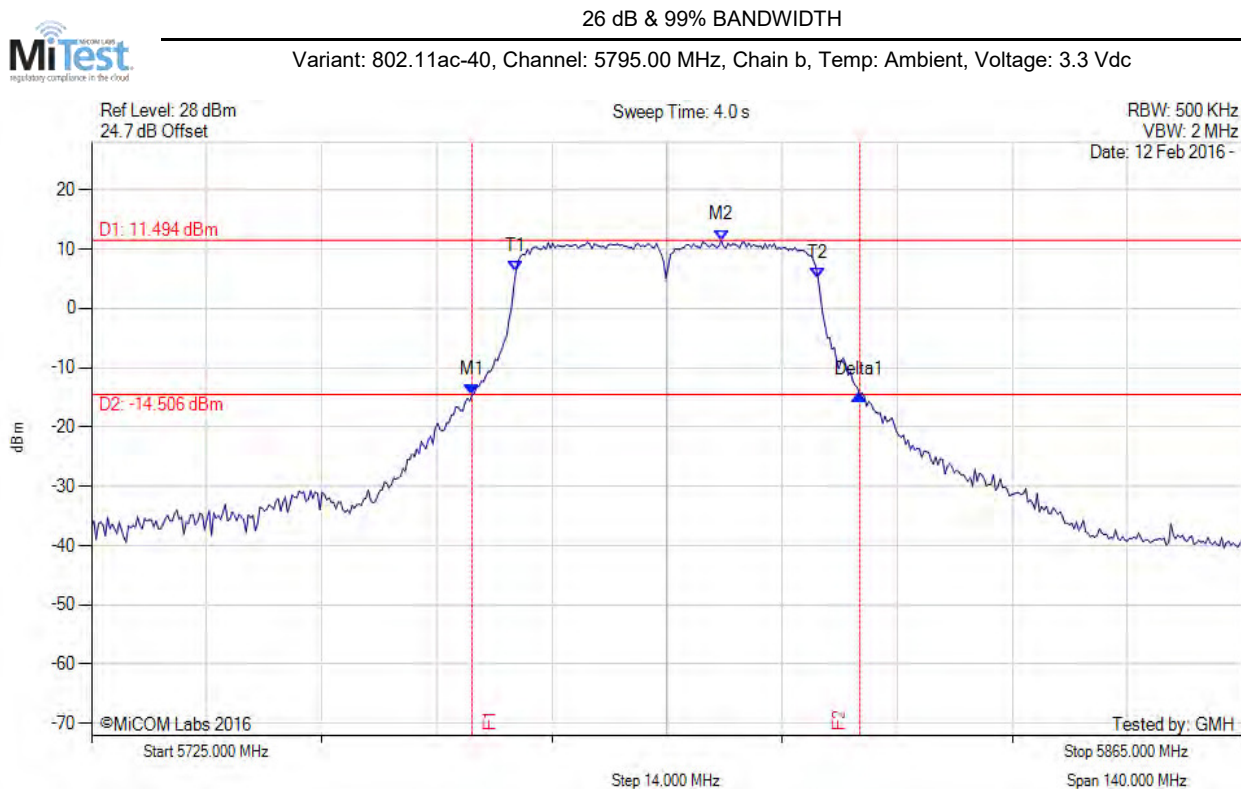
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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5771.293 MHz : -15.089 dBm M2 : 5804.399 MHz : 11.673 dBm Delta1 : 47.976 MHz : -0.297 dB T1 : 5776.623 MHz : 6.916 dBm T2 : 5813.377 MHz : 4.856 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.976 MHz Measured 99% Bandwidth: 36.754 MHz

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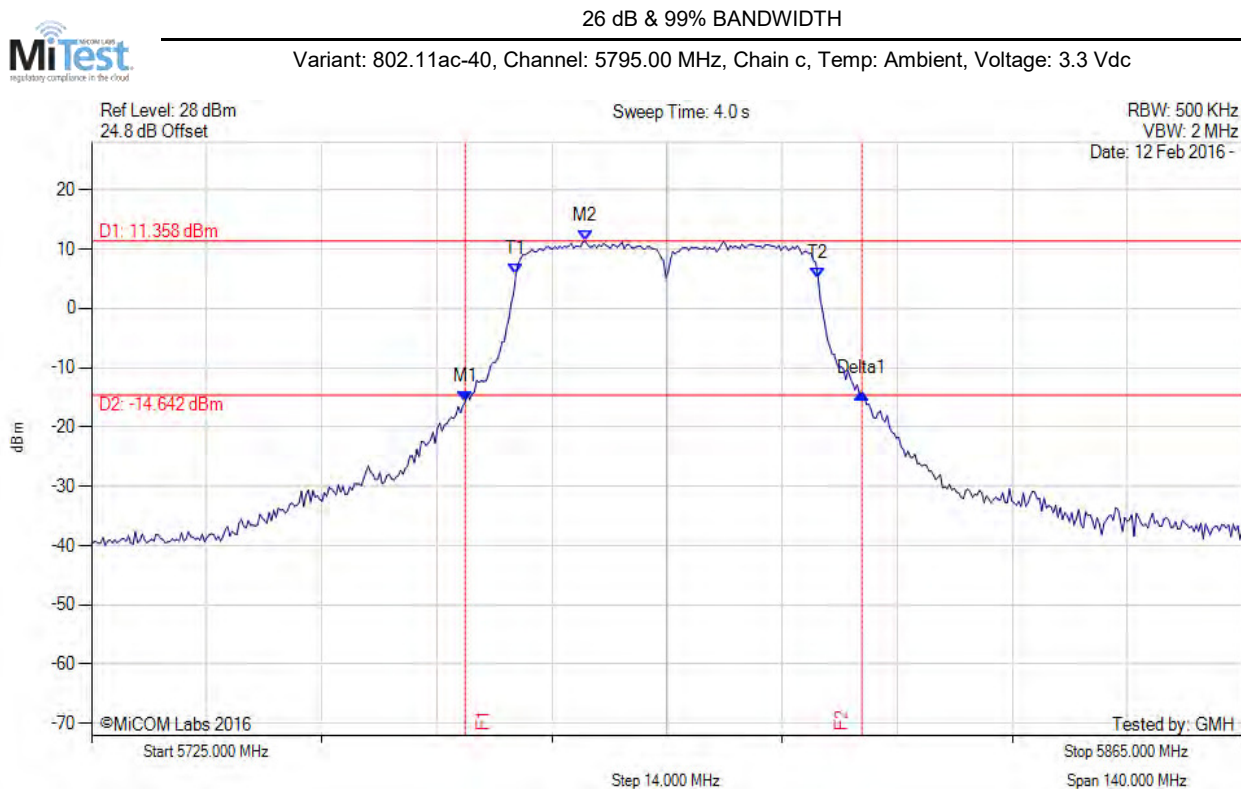
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5771.293 MHz : -14.619 dBm M2 : 5801.593 MHz : 11.494 dBm Delta1 : 47.134 MHz : 0.004 dB T1 : 5776.623 MHz : 6.286 dBm T2 : 5813.377 MHz : 5.015 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.134 MHz Measured 99% Bandwidth: 36.754 MHz

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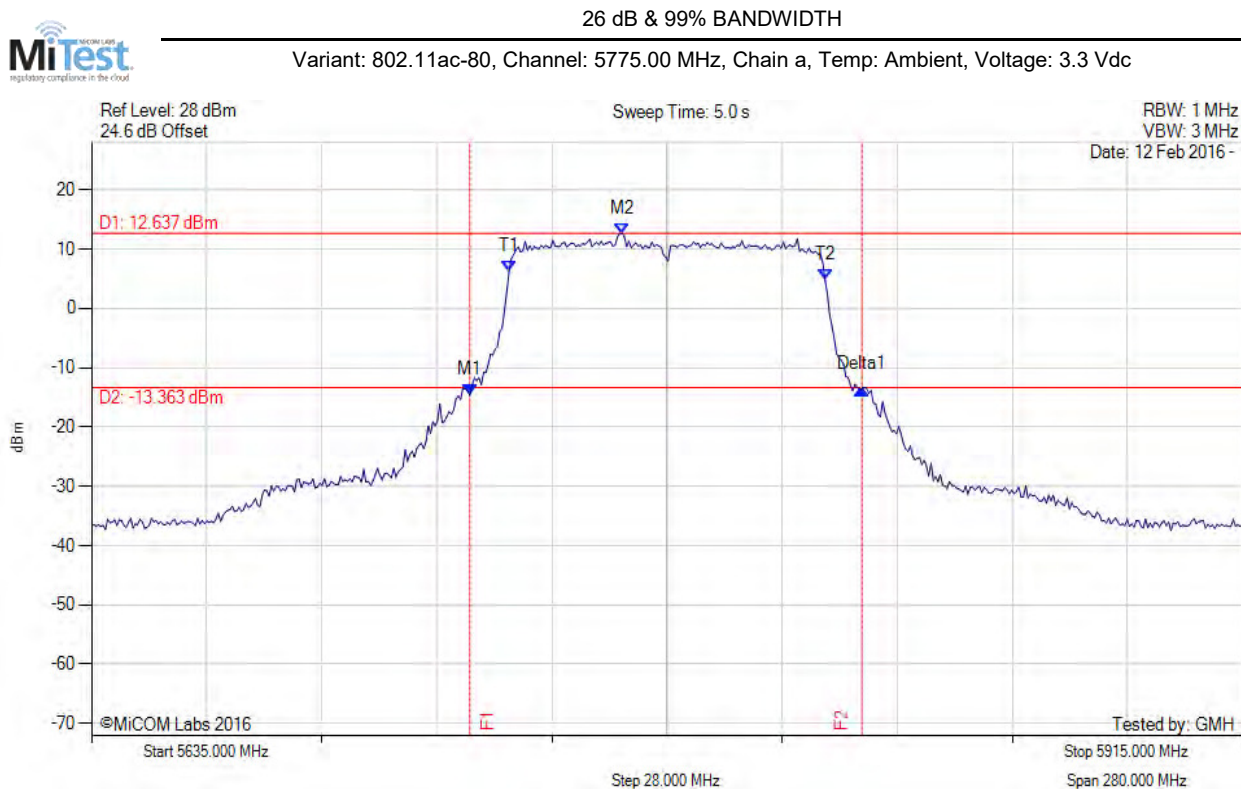
**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
**Serial #:** HPWD78-U3 Rev A  
**Issue Date:** 22nd February 2016  
**Page:** 321 of 585



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5770.451 MHz : -15.787 dBm M2 : 5785.040 MHz : 11.358 dBm Delta1 : 48.257 MHz : 1.558 dB T1 : 5776.623 MHz : 5.733 dBm T2 : 5813.377 MHz : 5.124 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 48.257 MHz Measured 99% Bandwidth: 36.754 MHz

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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5727.024 MHz : -14.642 dBm M2 : 5764.058 MHz : 12.637 dBm Delta1 : 95.391 MHz : 1.104 dB T1 : 5736.563 MHz : 6.210 dBm T2 : 5813.437 MHz : 4.858 dBm OBW : 76.874 MHz	Measured 26 dB Bandwidth: 95.391 MHz Measured 99% Bandwidth: 76.874 MHz

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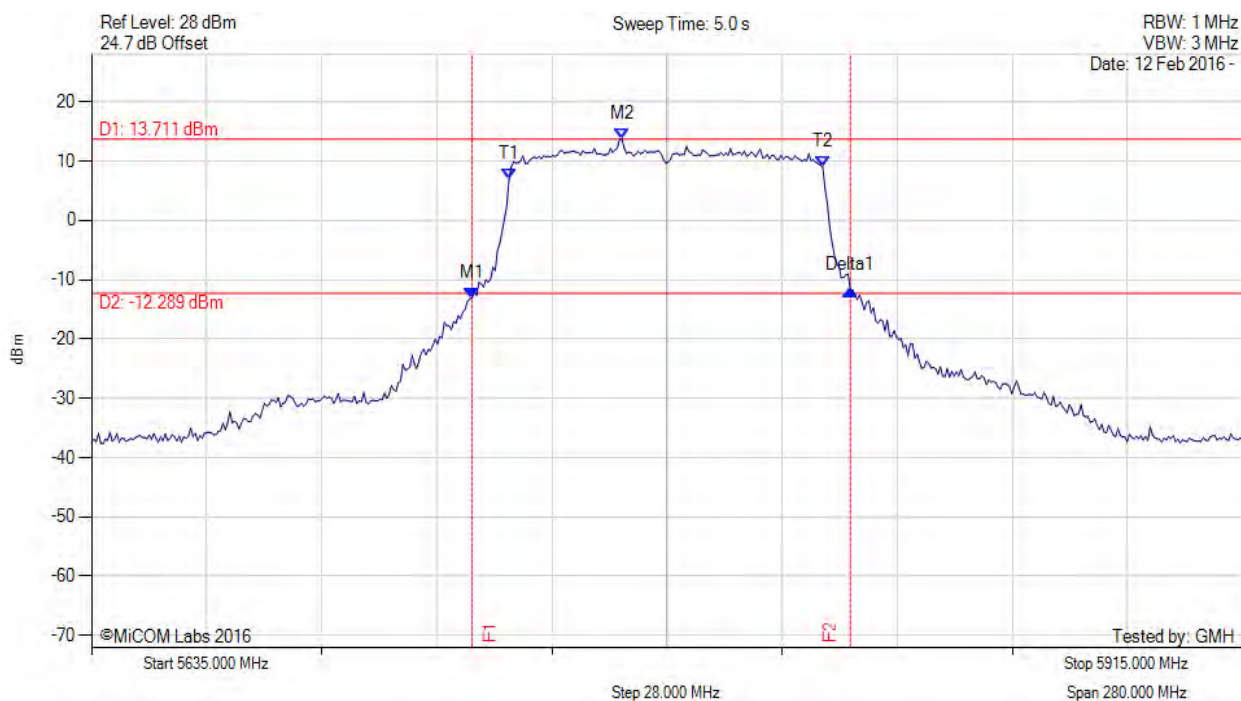




26 dB & 99% BANDWIDTH



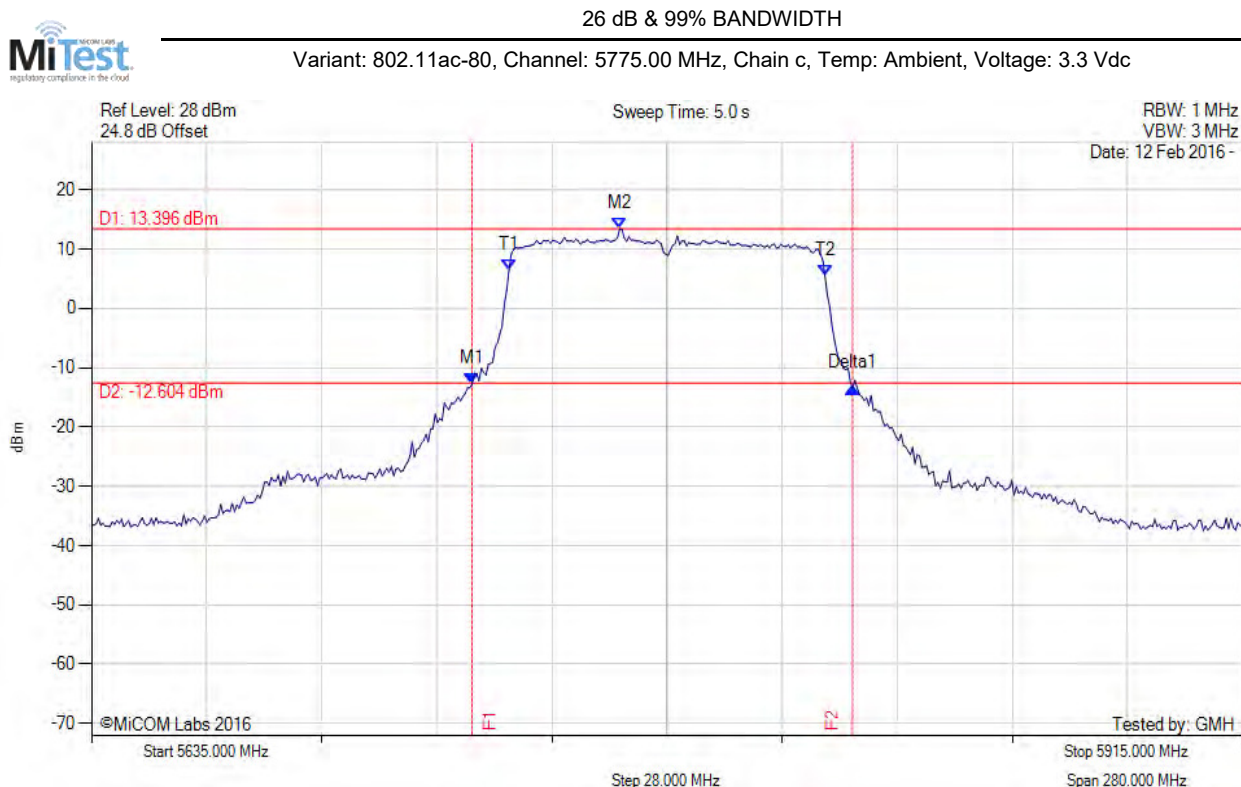
Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5727.585 MHz : -13.157 dBm M2 : 5764.058 MHz : 13.711 dBm Delta1 : 92.024 MHz : 1.497 dB T1 : 5736.563 MHz : 6.975 dBm T2 : 5812.876 MHz : 9.094 dBm OBW : 76.313 MHz	Measured 26 dB Bandwidth: 92.024 MHz Measured 99% Bandwidth: 76.313 MHz

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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5727.585 MHz : -12.775 dBm M2 : 5763.497 MHz : 13.396 dBm Delta1 : 92.585 MHz : -0.632 dB T1 : 5736.563 MHz : 6.536 dBm T2 : 5813.437 MHz : 5.493 dBm OBW : 76.874 MHz	Measured 26 dB Bandwidth: 92.585 MHz Measured 99% Bandwidth: 76.874 MHz

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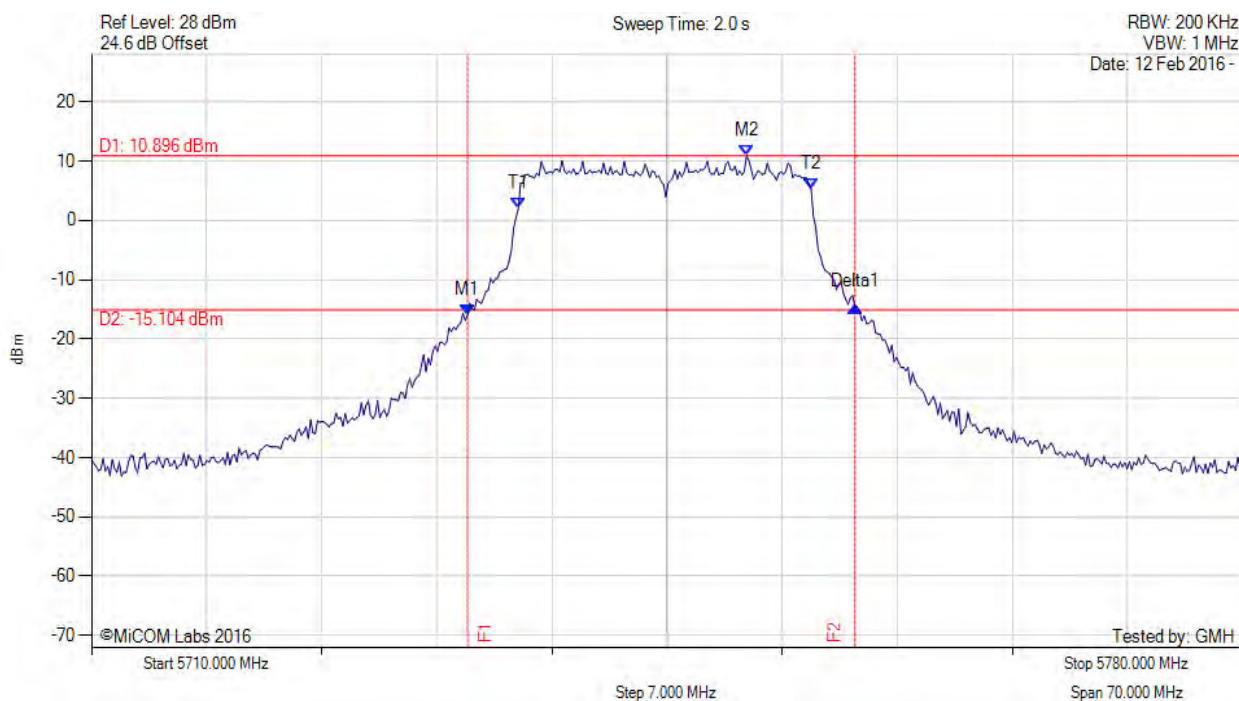


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
**Serial #:** HPWD78-U3 Rev A  
**Issue Date:** 22nd February 2016  
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain a, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5732.866 MHz : -15.974 dBm M2 : 5749.840 MHz : 10.896 dBm Delta1 : 23.567 MHz : 1.318 dB T1 : 5735.952 MHz : 1.950 dBm T2 : 5753.768 MHz : 5.328 dBm OBW : 17.816 MHz	Measured 26 dB Bandwidth: 23.567 MHz Measured 99% Bandwidth: 17.816 MHz

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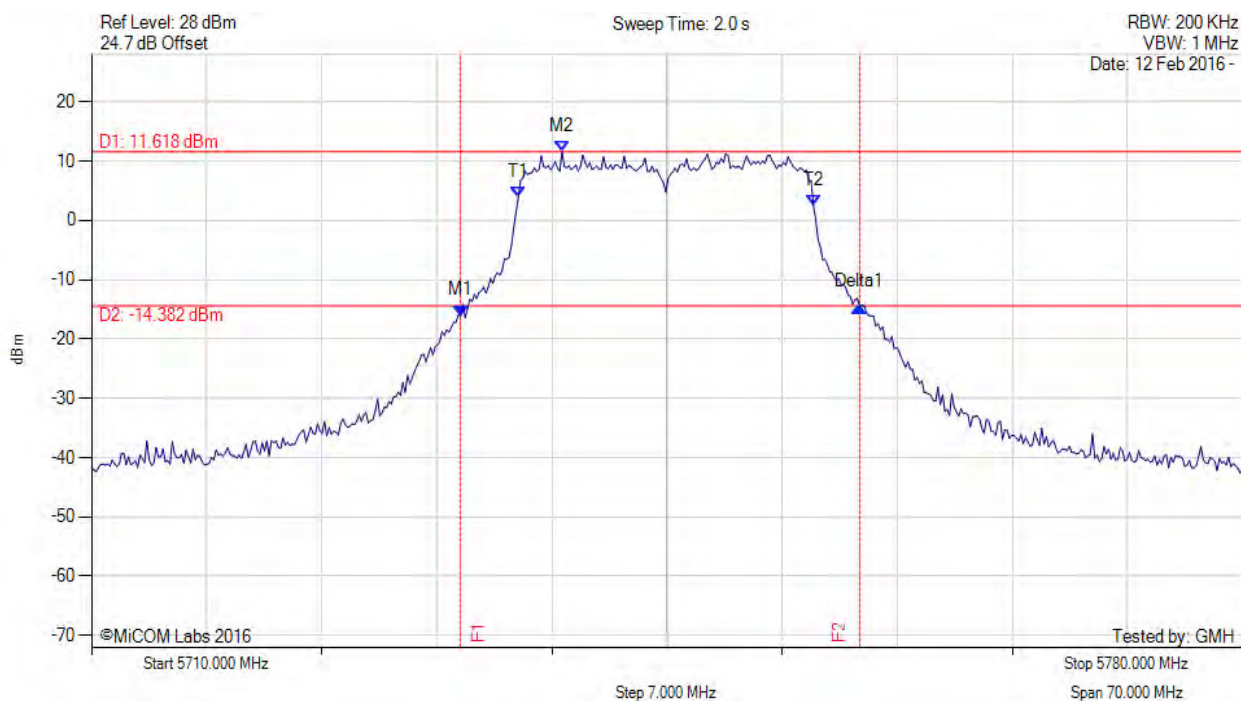
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5732.445 MHz : -16.073 dBm M2 : 5738.617 MHz : 11.618 dBm Delta1 : 24.269 MHz : 1.584 dB T1 : 5735.952 MHz : 3.855 dBm T2 : 5753.908 MHz : 2.424 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 24.269 MHz Measured 99% Bandwidth: 17.956 MHz

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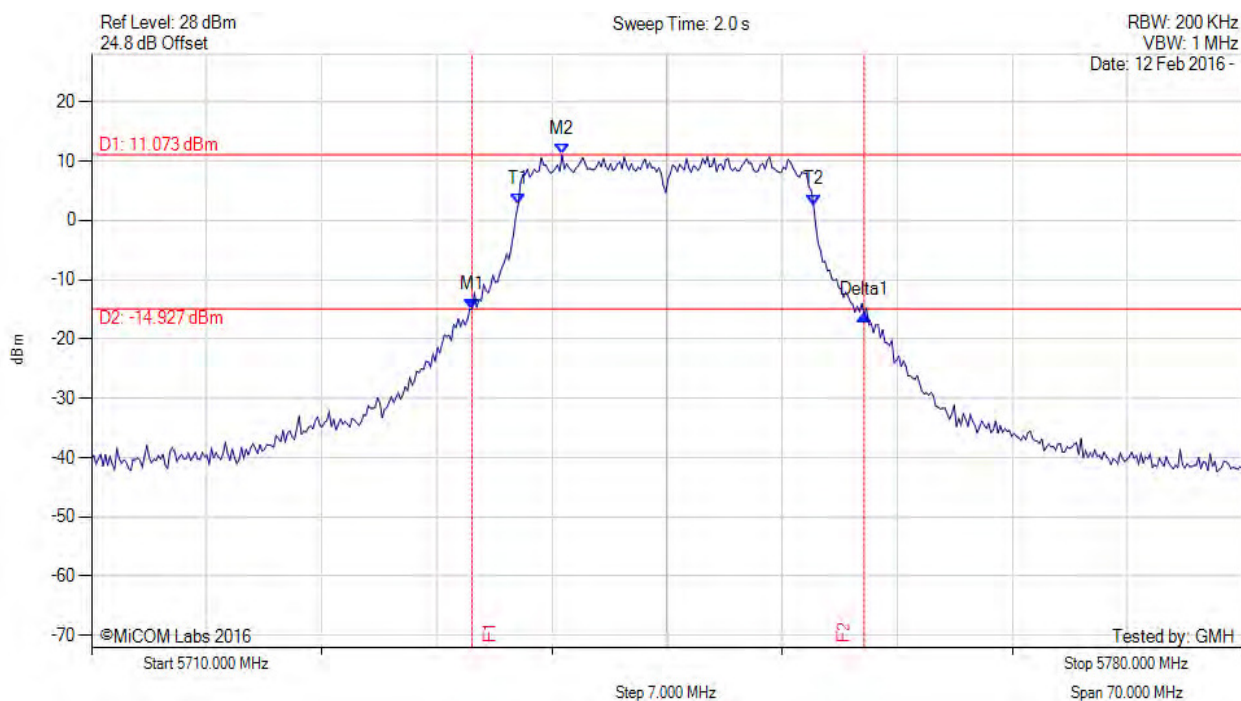
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain c, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.146 MHz : -14.963 dBm M2 : 5738.617 MHz : 11.073 dBm Delta1 : 23.848 MHz : -1.029 dB T1 : 5735.952 MHz : 2.723 dBm T2 : 5753.908 MHz : 2.627 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 17.956 MHz

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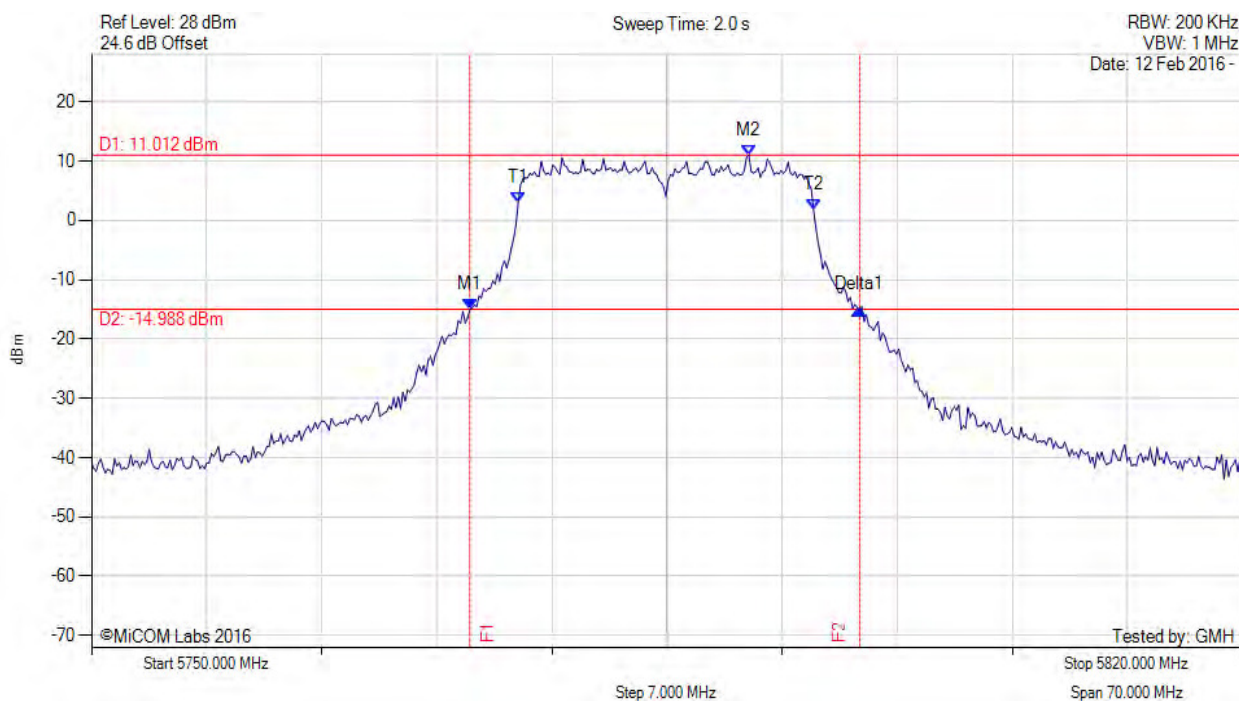




26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain a, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.006 MHz : -15.032 dBm M2 : 5789.980 MHz : 11.012 dBm Delta1 : 23.707 MHz : 0.041 dB T1 : 5775.952 MHz : 3.020 dBm T2 : 5793.908 MHz : 1.891 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 23.707 MHz Measured 99% Bandwidth: 17.956 MHz

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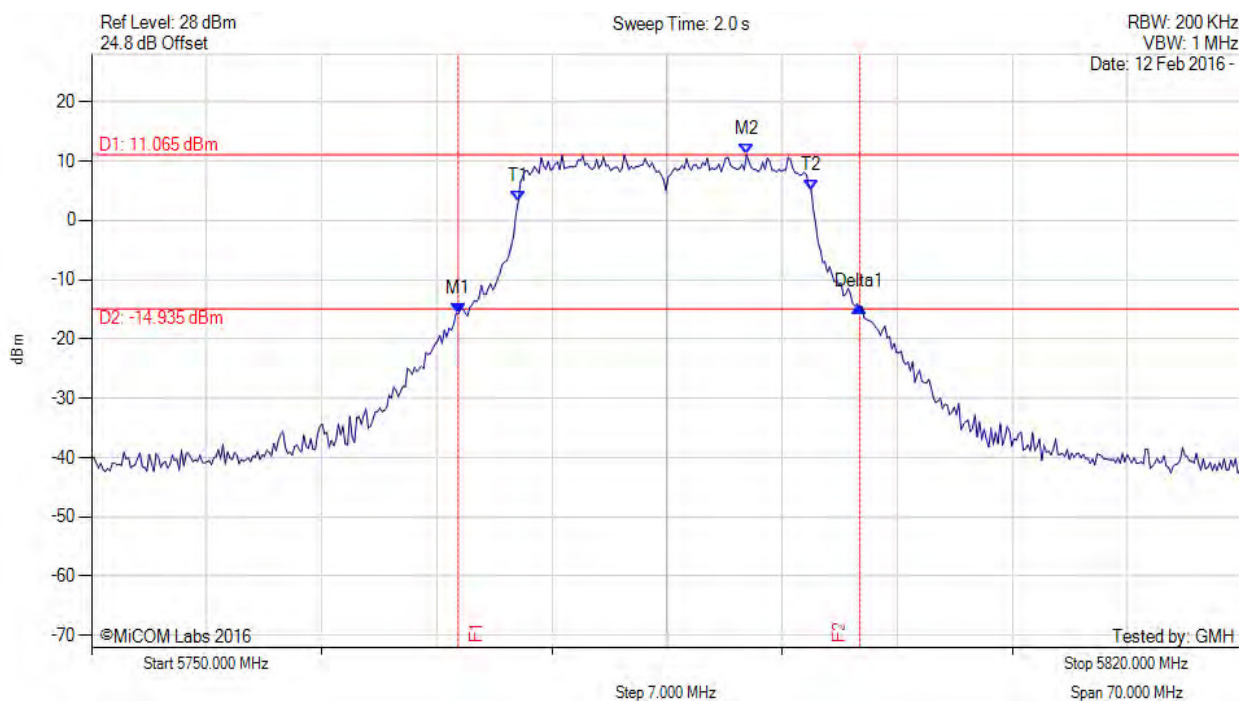
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5772.305 MHz : -15.756 dBm M2 : 5789.840 MHz : 11.065 dBm Delta1 : 24.409 MHz : 1.094 dB T1 : 5775.952 MHz : 3.129 dBm T2 : 5793.768 MHz : 5.149 dBm OBW : 17.816 MHz	Measured 26 dB Bandwidth: 24.409 MHz Measured 99% Bandwidth: 17.816 MHz

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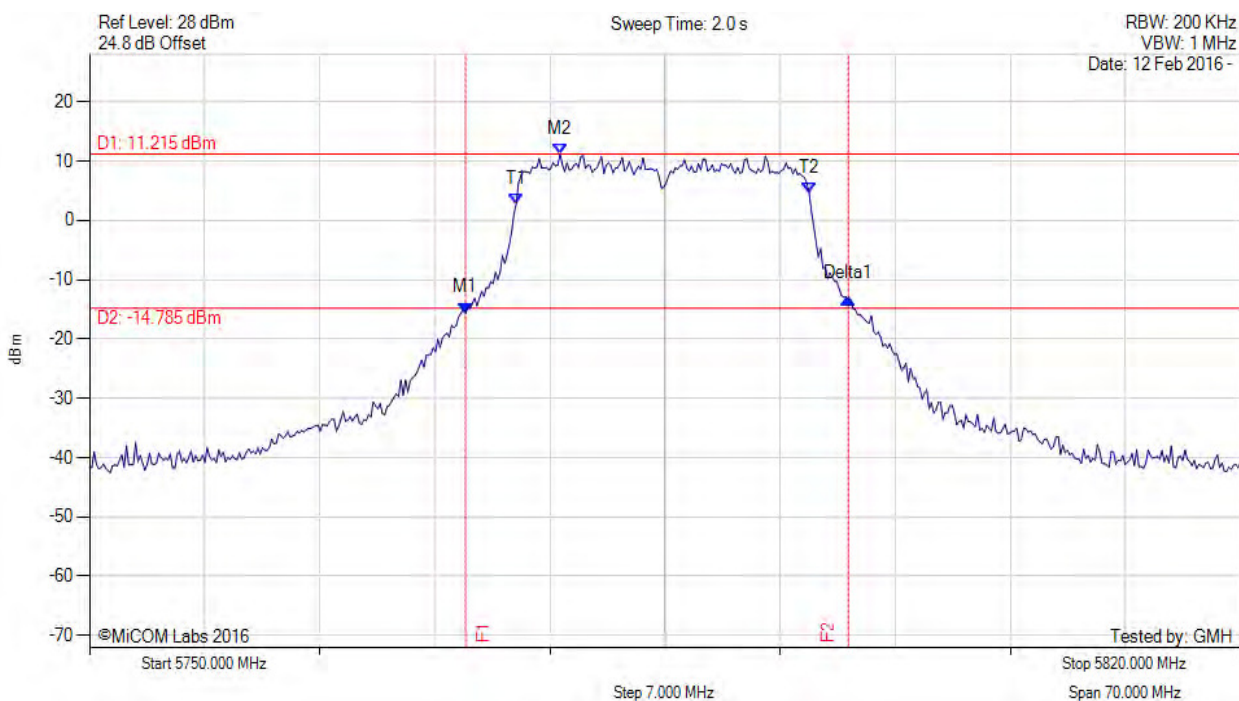
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain c, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5772.866 MHz : -15.614 dBm M2 : 5778.617 MHz : 11.215 dBm Delta1 : 23.287 MHz : 2.400 dB T1 : 5775.952 MHz : 2.786 dBm T2 : 5793.768 MHz : 4.701 dBm OBW : 17.816 MHz	Measured 26 dB Bandwidth: 23.287 MHz Measured 99% Bandwidth: 17.816 MHz

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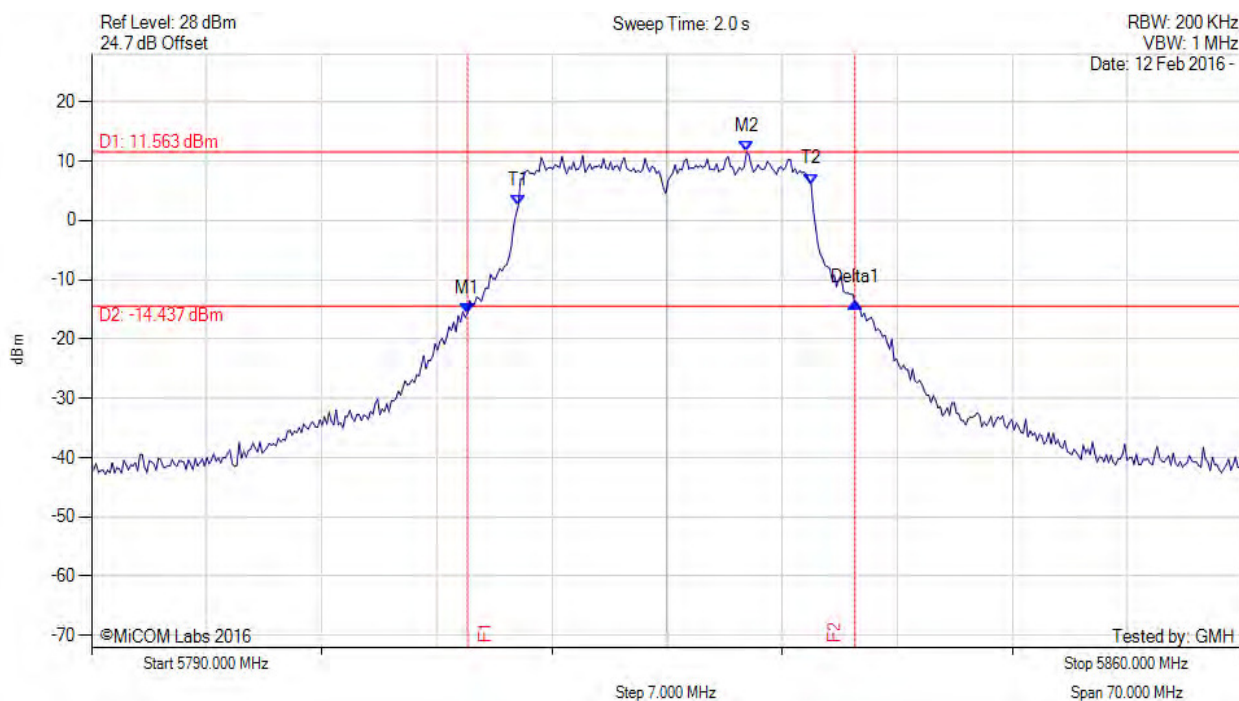
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain a, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5812.866 MHz : -15.656 dBm M2 : 5829.840 MHz : 11.563 dBm Delta1 : 23.567 MHz : 1.887 dB T1 : 5815.952 MHz : 2.446 dBm T2 : 5833.768 MHz : 6.107 dBm OBW : 17.816 MHz	Measured 26 dB Bandwidth: 23.567 MHz Measured 99% Bandwidth: 17.816 MHz

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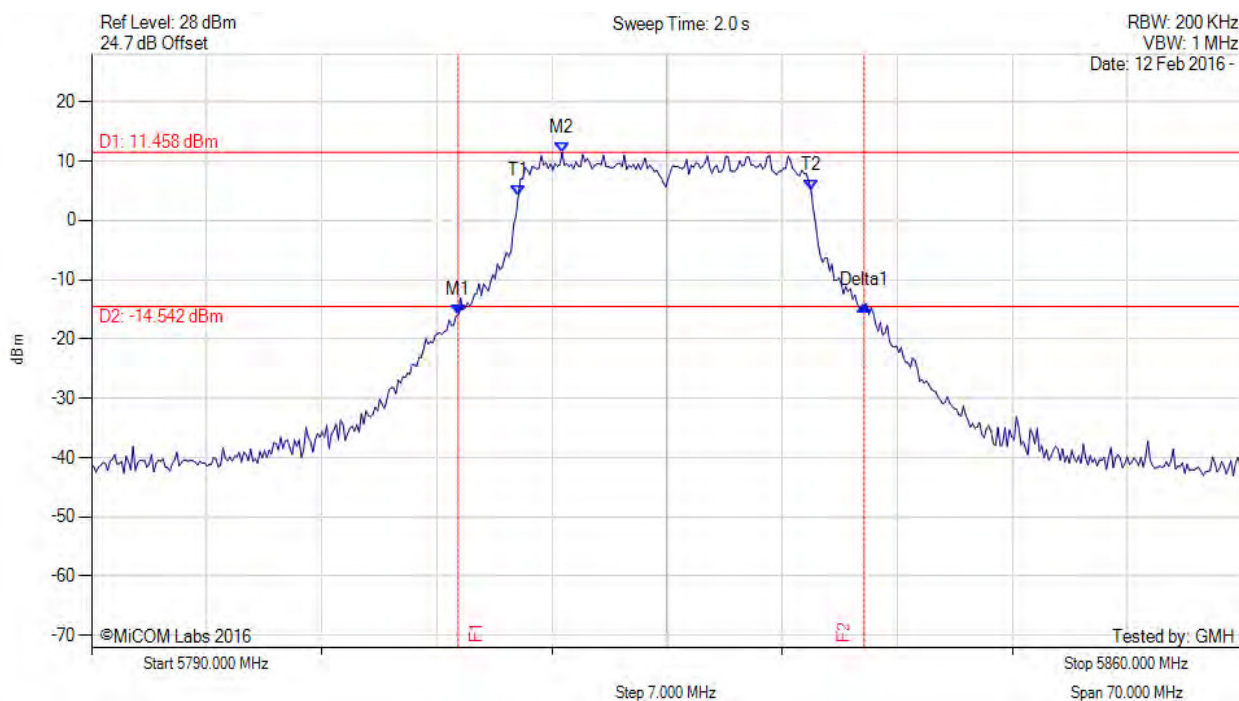
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5812.305 MHz : -15.943 dBm M2 : 5818.617 MHz : 11.458 dBm Delta1 : 24.689 MHz : 1.660 dB T1 : 5815.952 MHz : 4.146 dBm T2 : 5833.768 MHz : 5.015 dBm OBW : 17.816 MHz	Measured 26 dB Bandwidth: 24.689 MHz Measured 99% Bandwidth: 17.816 MHz

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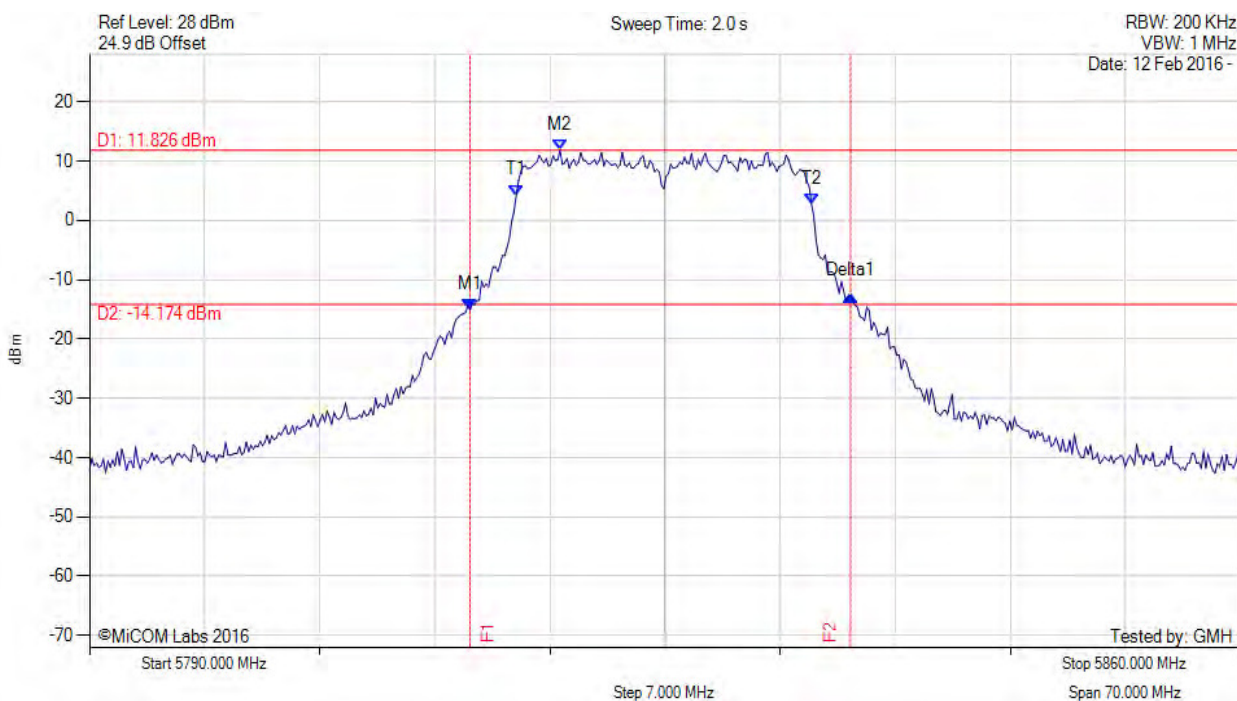




26 dB & 99% BANDWIDTH



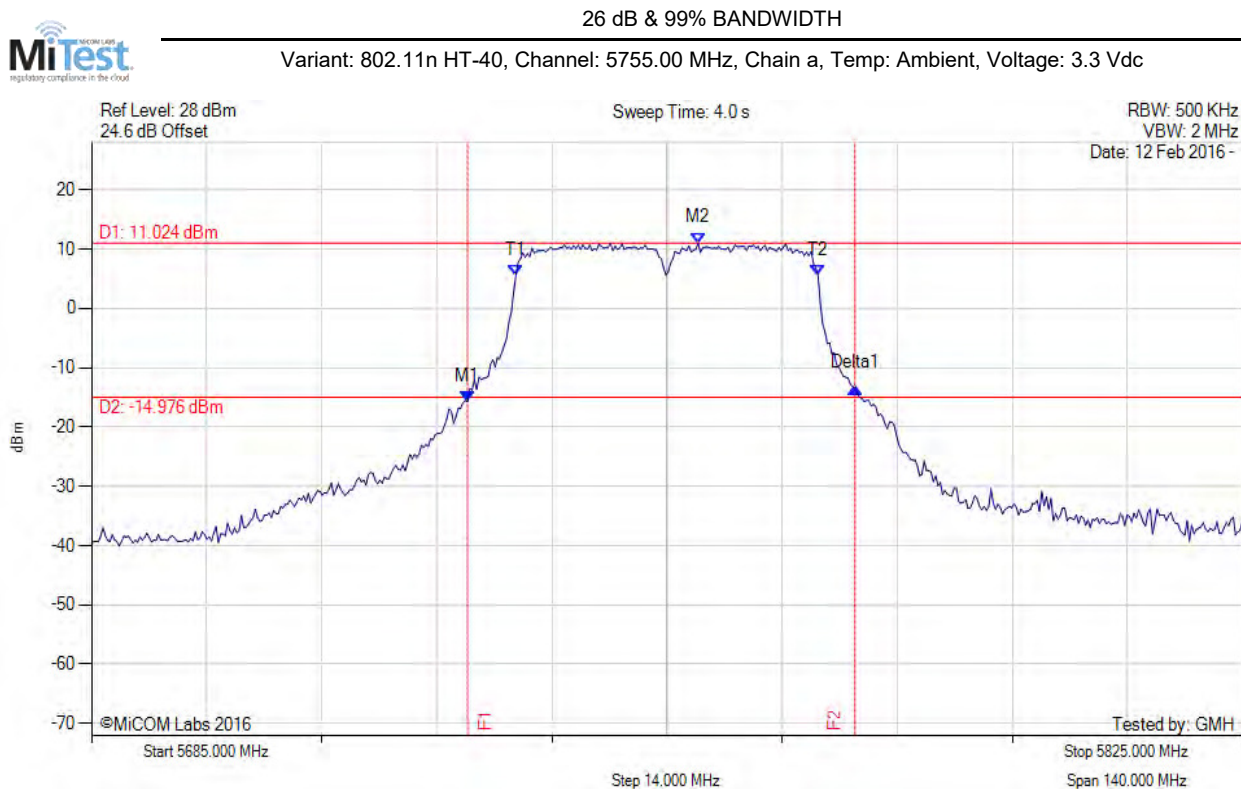
Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain c, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.146 MHz : -15.097 dBm M2 : 5818.617 MHz : 11.826 dBm Delta1 : 23.146 MHz : 2.310 dB T1 : 5815.952 MHz : 4.246 dBm T2 : 5833.908 MHz : 2.755 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 23.146 MHz Measured 99% Bandwidth: 17.956 MHz

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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5730.731 MHz : -15.679 dBm M2 : 5758.788 MHz : 11.024 dBm Delta1 : 47.134 MHz : 2.184 dB T1 : 5736.623 MHz : 5.625 dBm T2 : 5773.377 MHz : 5.474 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.134 MHz Measured 99% Bandwidth: 36.754 MHz

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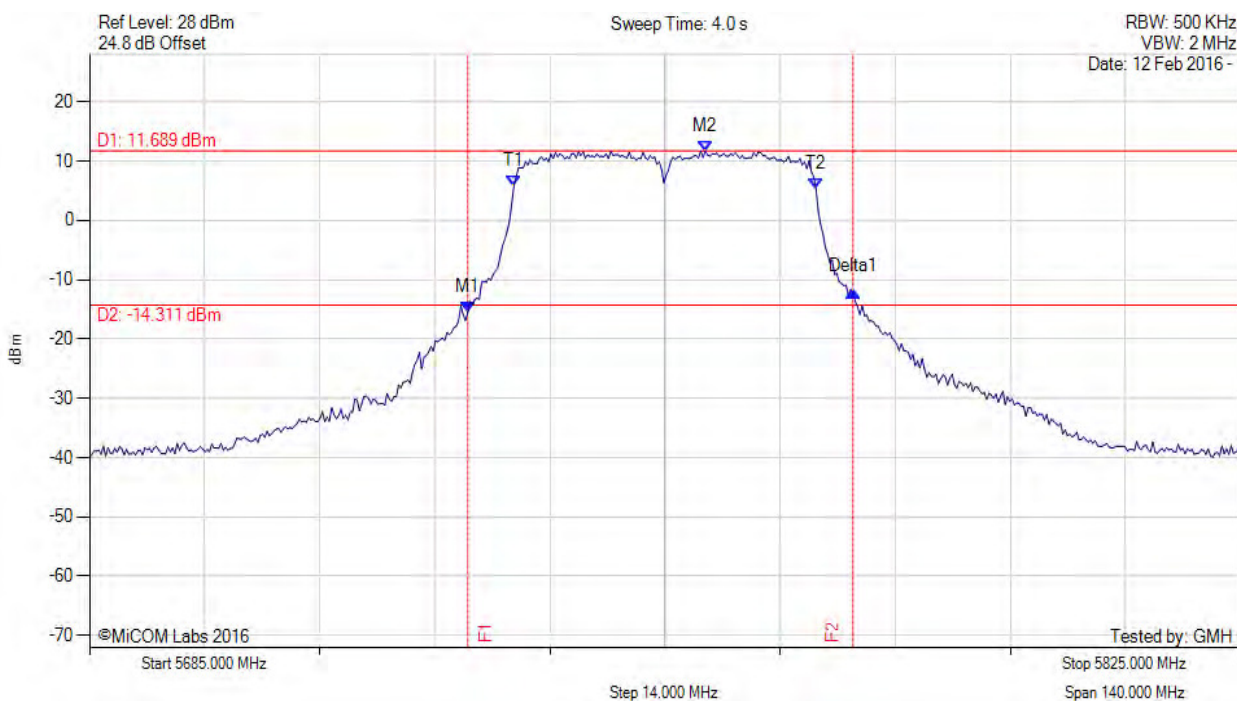
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26 dB & 99% BANDWIDTH



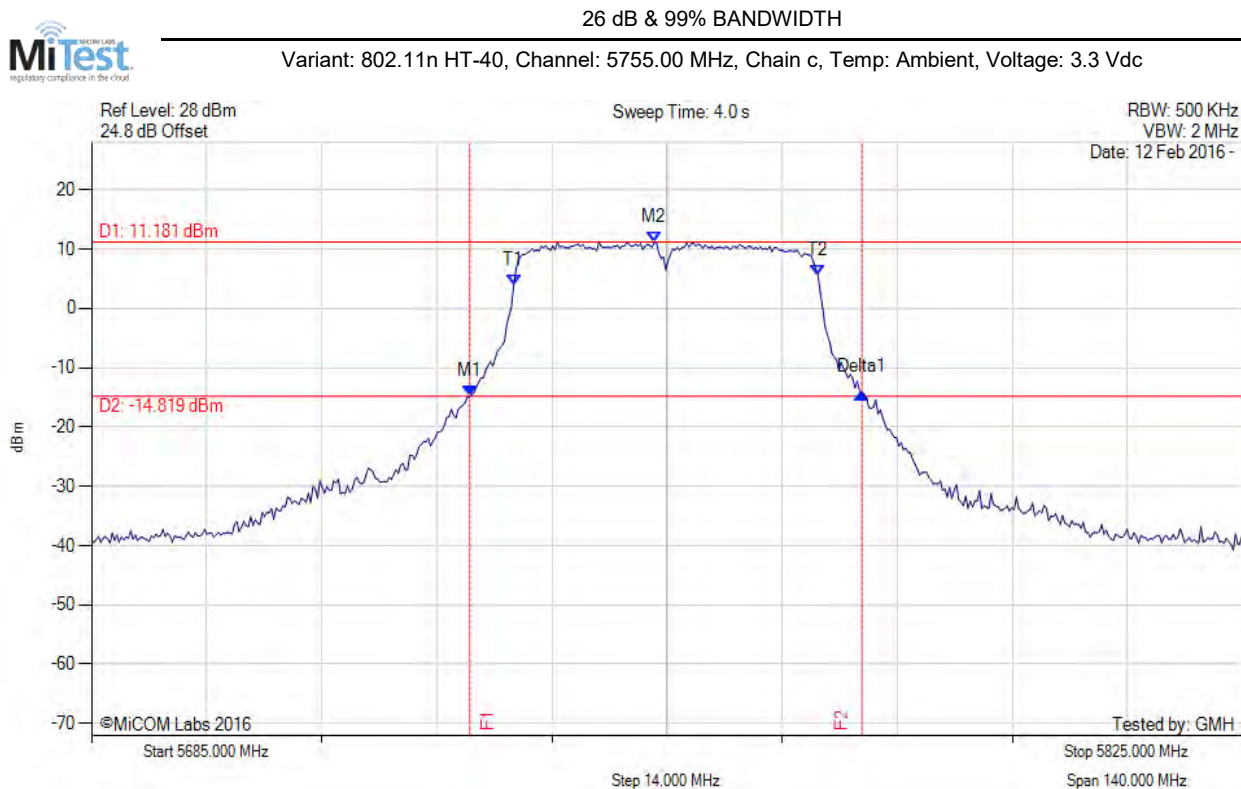
Variante: 802.11n HT-40, Channel: 5755.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5731.012 MHz : -15.540 dBm M2 : 5759.910 MHz : 11.689 dBm Delta1 : 46.854 MHz : 3.529 dB T1 : 5736.623 MHz : 5.767 dBm T2 : 5773.377 MHz : 5.236 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 46.854 MHz Measured 99% Bandwidth: 36.754 MHz

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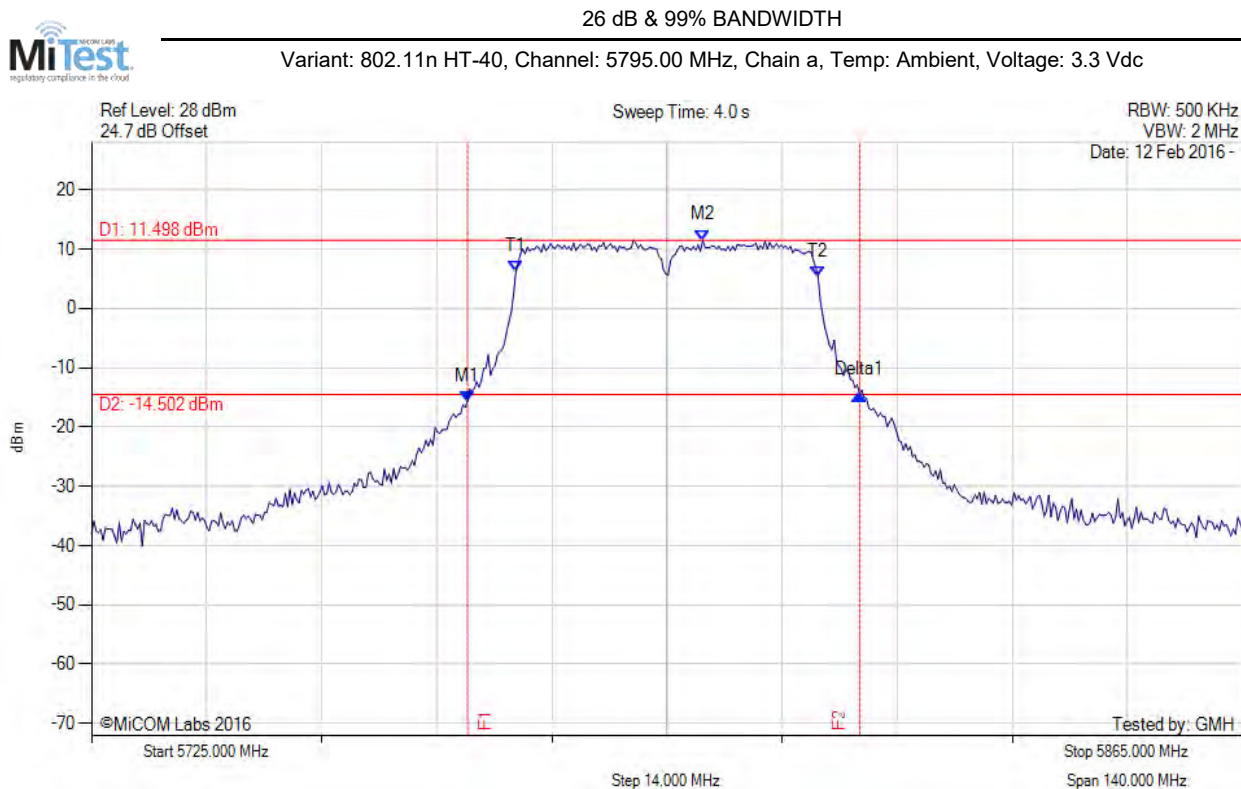
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. Any changes will be noted in the Document History section of the report.



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5731.012 MHz : -14.865 dBm M2 : 5753.457 MHz : 11.181 dBm Delta1 : 47.695 MHz : 0.641 dB T1 : 5736.343 MHz : 3.866 dBm T2 : 5773.377 MHz : 5.456 dBm OBW : 37.034 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 37.034 MHz

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Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5770.731 MHz : -15.632 dBm M2 : 5799.349 MHz : 11.498 dBm Delta1 : 47.695 MHz : 1.167 dB T1 : 5776.623 MHz : 6.253 dBm T2 : 5813.377 MHz : 5.340 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.695 MHz Measured 99% Bandwidth: 36.754 MHz

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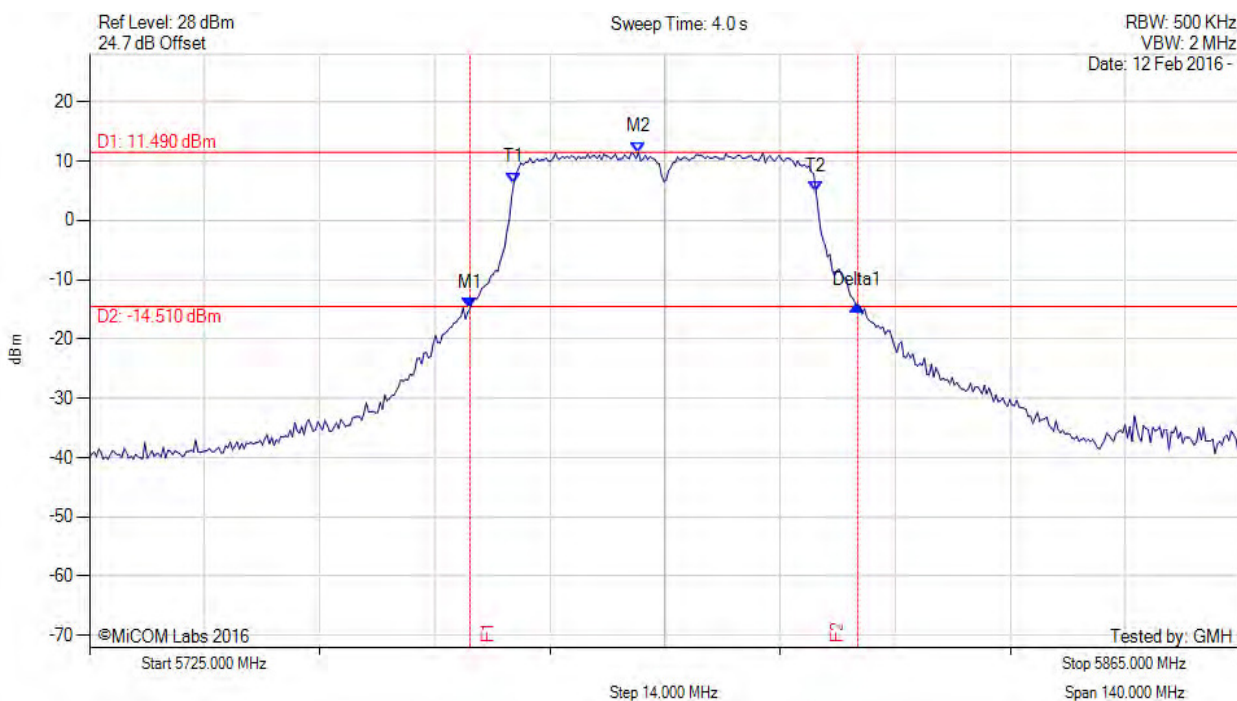




26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain b, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5771.293 MHz : -14.898 dBm M2 : 5791.774 MHz : 11.490 dBm Delta1 : 47.134 MHz : 0.549 dB T1 : 5776.623 MHz : 6.357 dBm T2 : 5813.377 MHz : 4.756 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 47.134 MHz Measured 99% Bandwidth: 36.754 MHz

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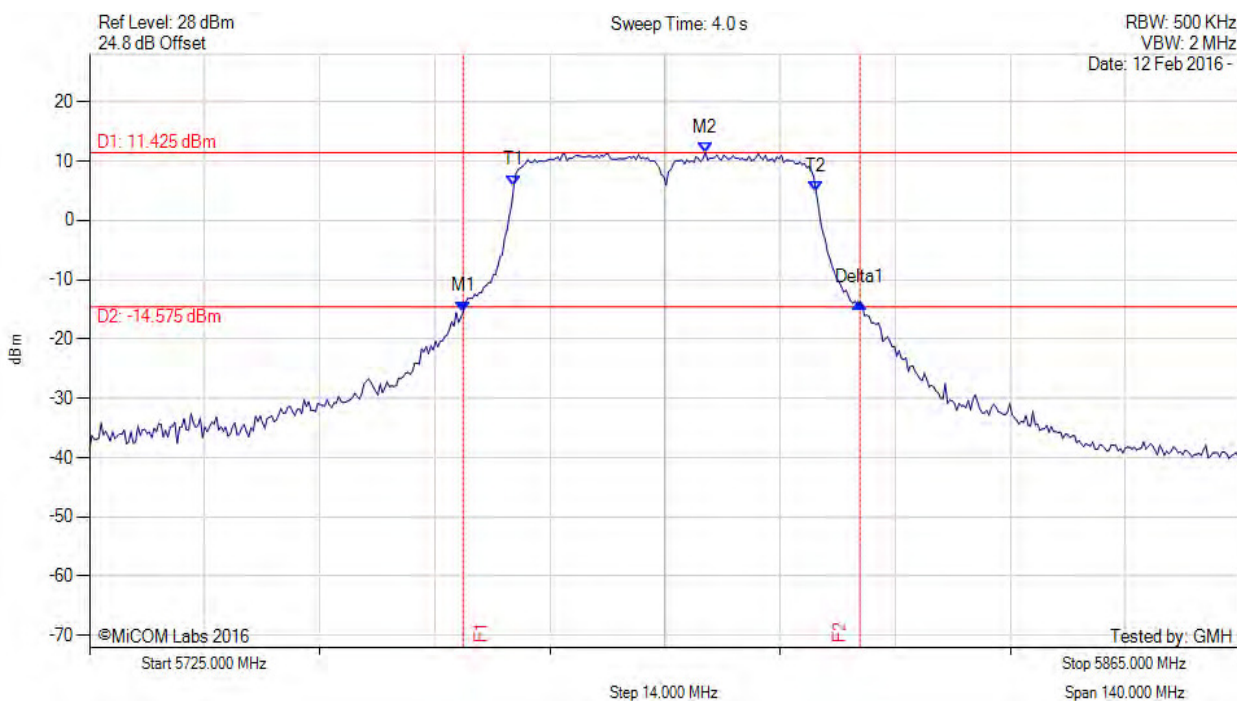
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain c, Temp: Ambient, Voltage: 3.3 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5770.451 MHz : -15.380 dBm M2 : 5799.910 MHz : 11.425 dBm Delta1 : 48.257 MHz : 1.515 dB T1 : 5776.623 MHz : 5.883 dBm T2 : 5813.377 MHz : 4.870 dBm OBW : 36.754 MHz	Measured 26 dB Bandwidth: 48.257 MHz Measured 99% Bandwidth: 36.754 MHz

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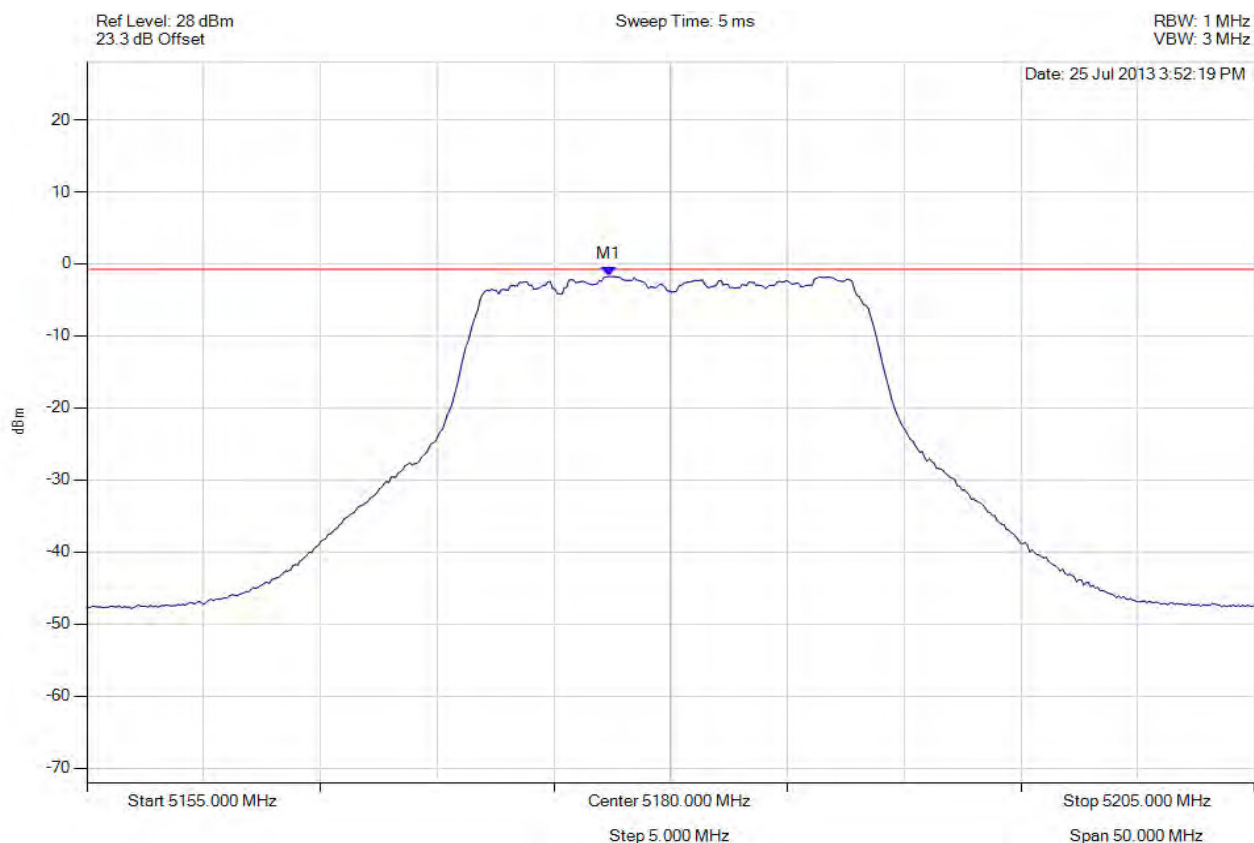
**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
**Serial #:** HPWD78-U3 Rev A  
**Issue Date:** 22nd February 2016  
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### A.1.2. Peak Power Spectral Density



#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.345 MHz : -1.745 dBm	Limit: $\leq$ -2.171 dBm Margin: -0.43 dB

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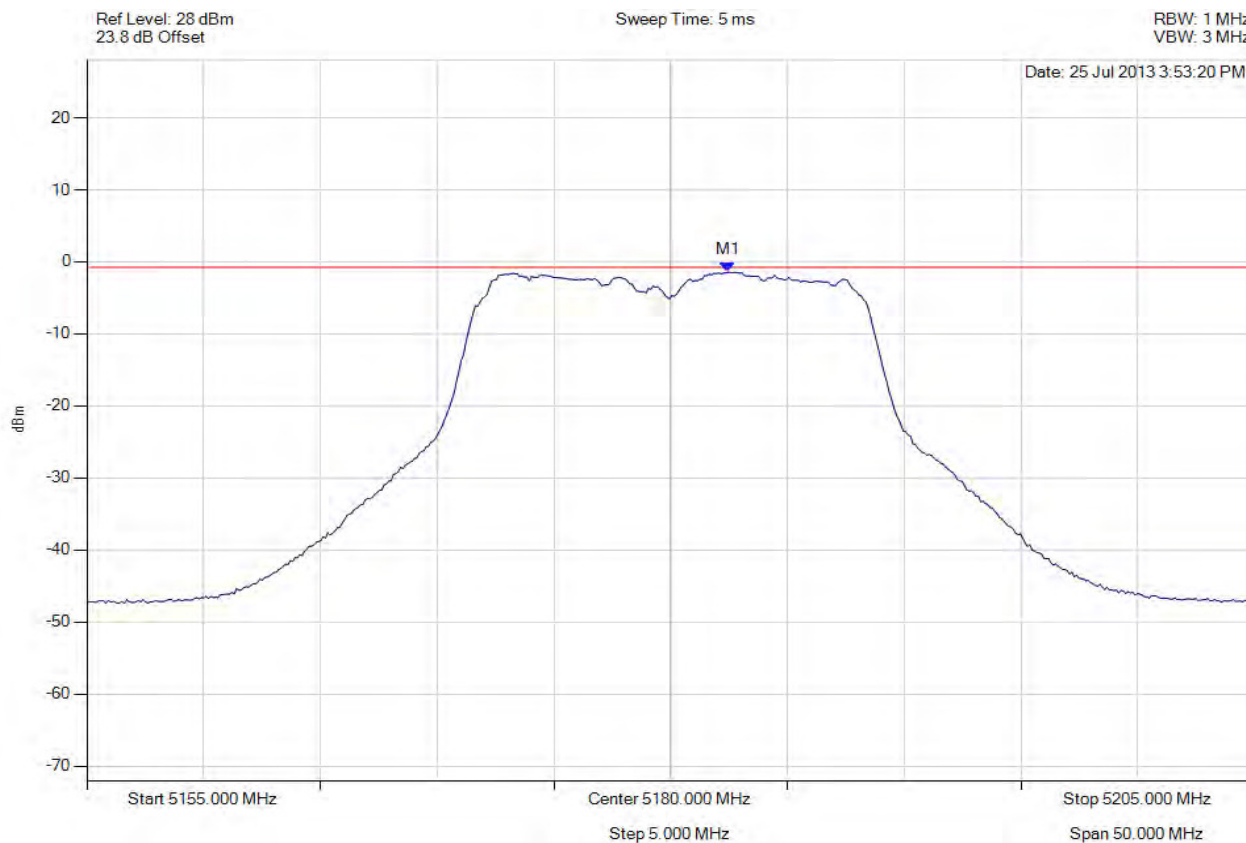


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407  
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5182.455 MHz : -1.442 dBm	Limit: $\leq -2.171$ dBm Margin: -0.73 dB

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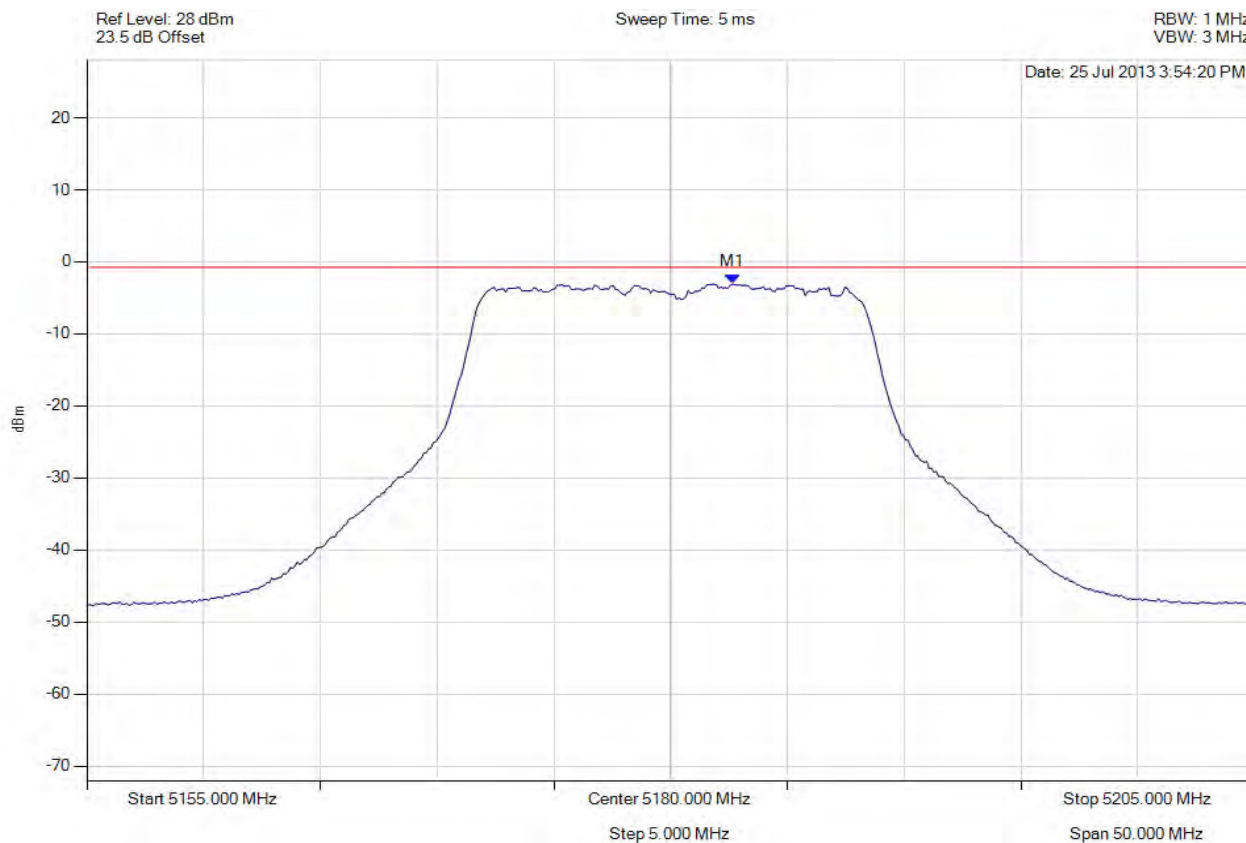


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5182.655 MHz : -3.100 dBm	Limit: $\leq -2.171$ dBm Margin: 0.93 dB

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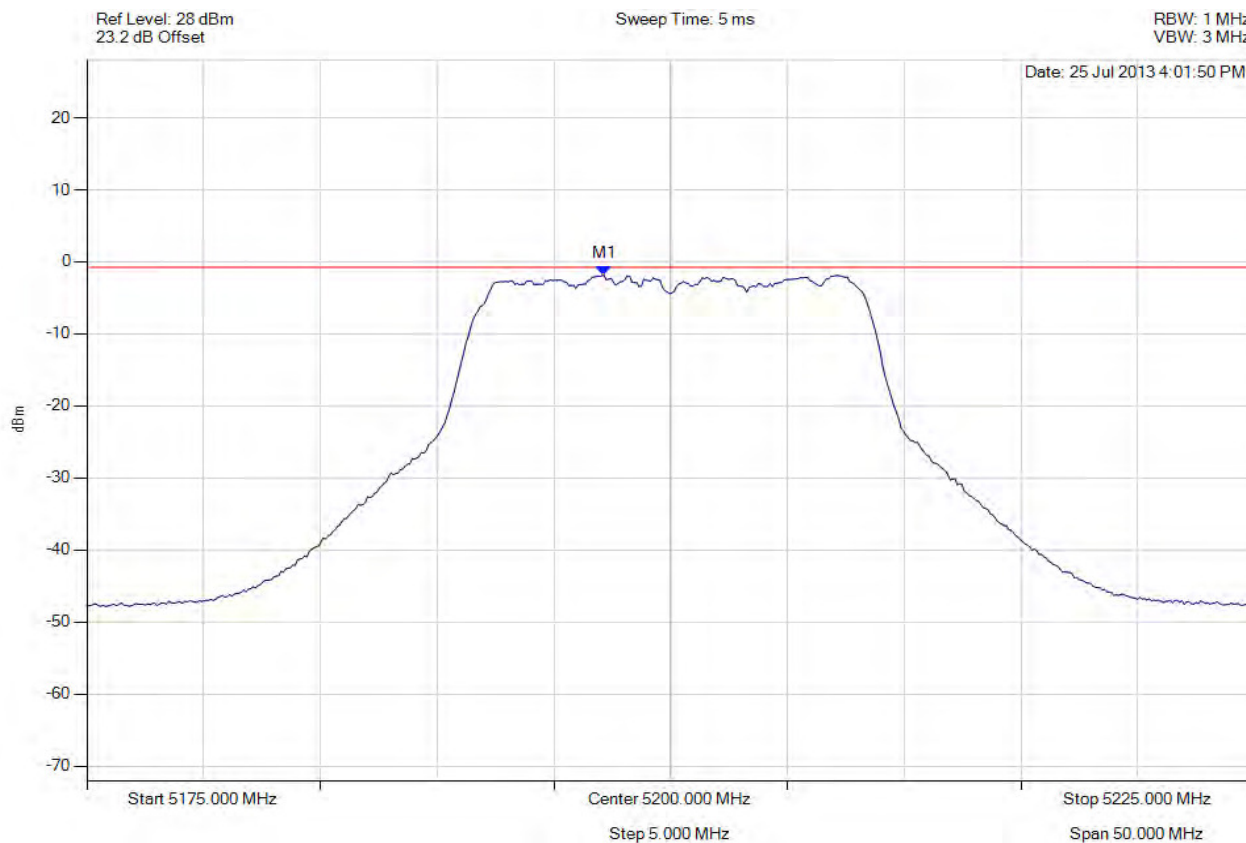


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.144 MHz : -1.855 dBm	Limit: $\leq -2.171$ dBm Margin: -0.32 dB

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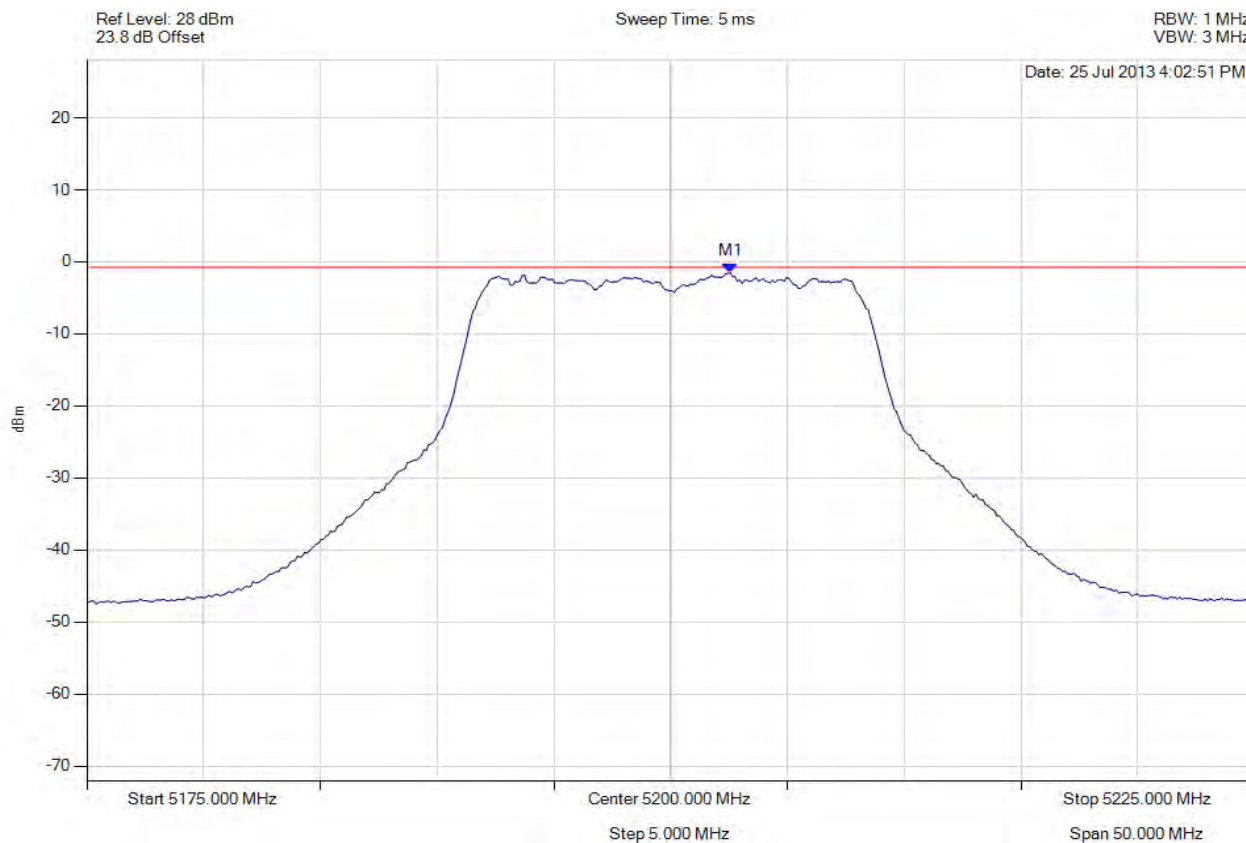


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**To:** FCC 47 CFR Part 15.407  
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.555 MHz : -1.551 dBm	Limit: $\leq -2.171$ dBm Margin: -0.62 dB

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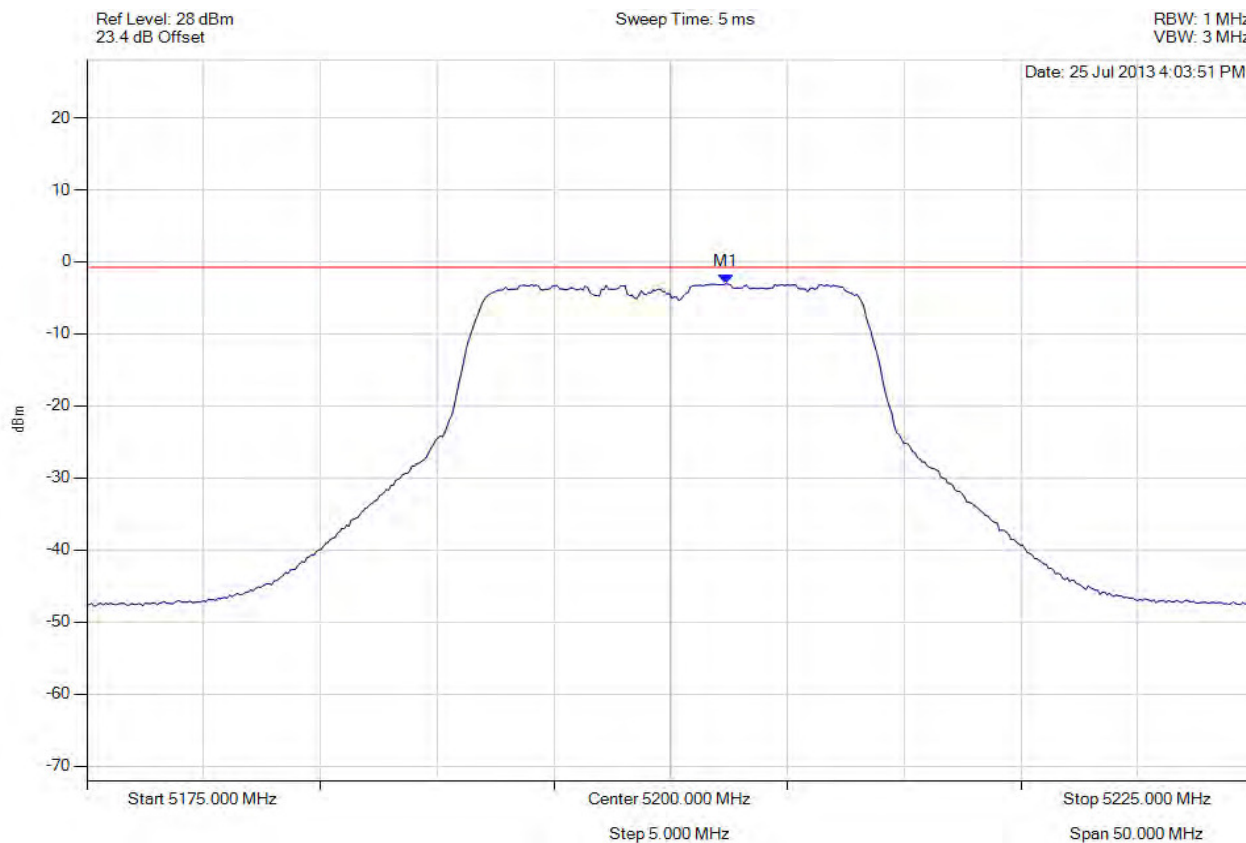


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.355 MHz : -3.043 dBm	Limit: $\leq -2.171$ dBm Margin: 0.87 dB

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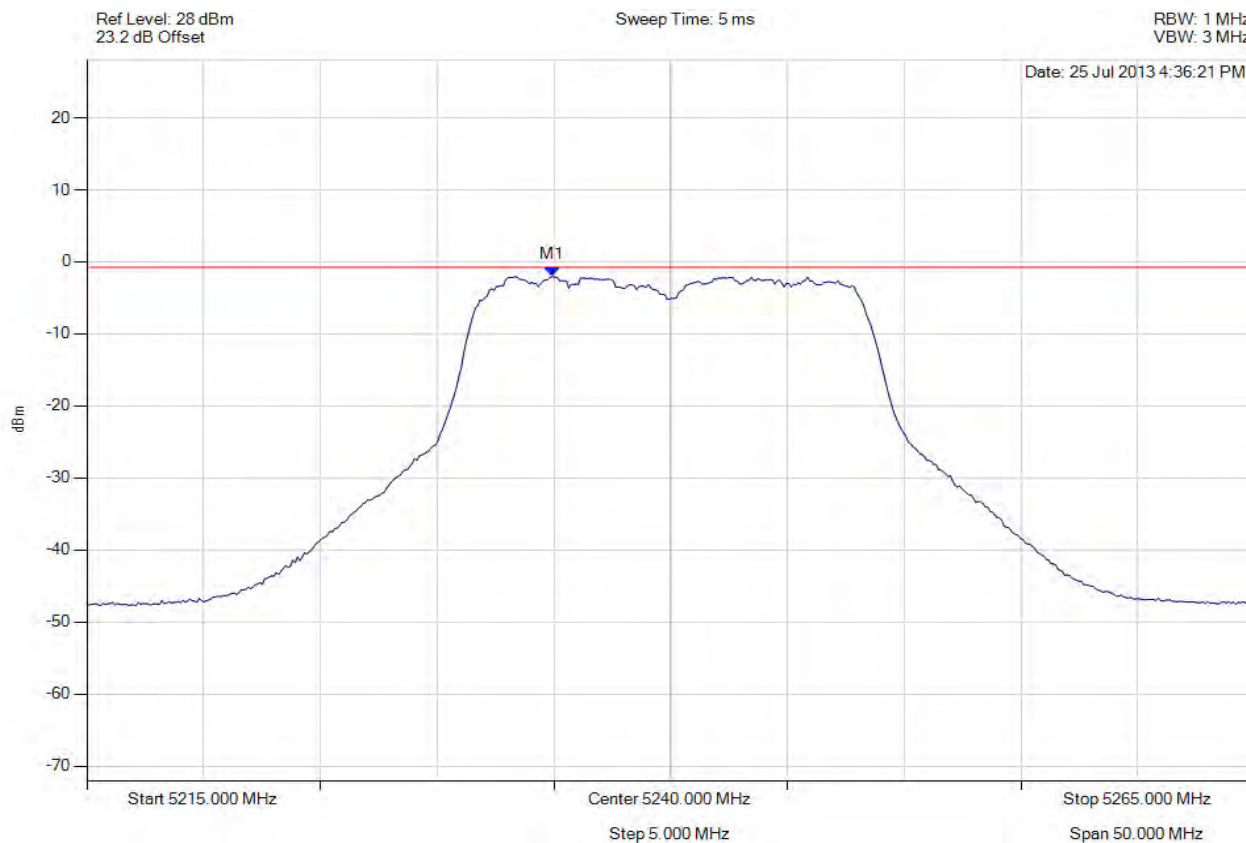


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5234.940 MHz : -2.030 dBm	Limit: $\leq -2.171$ dBm Margin: -0.14 dB

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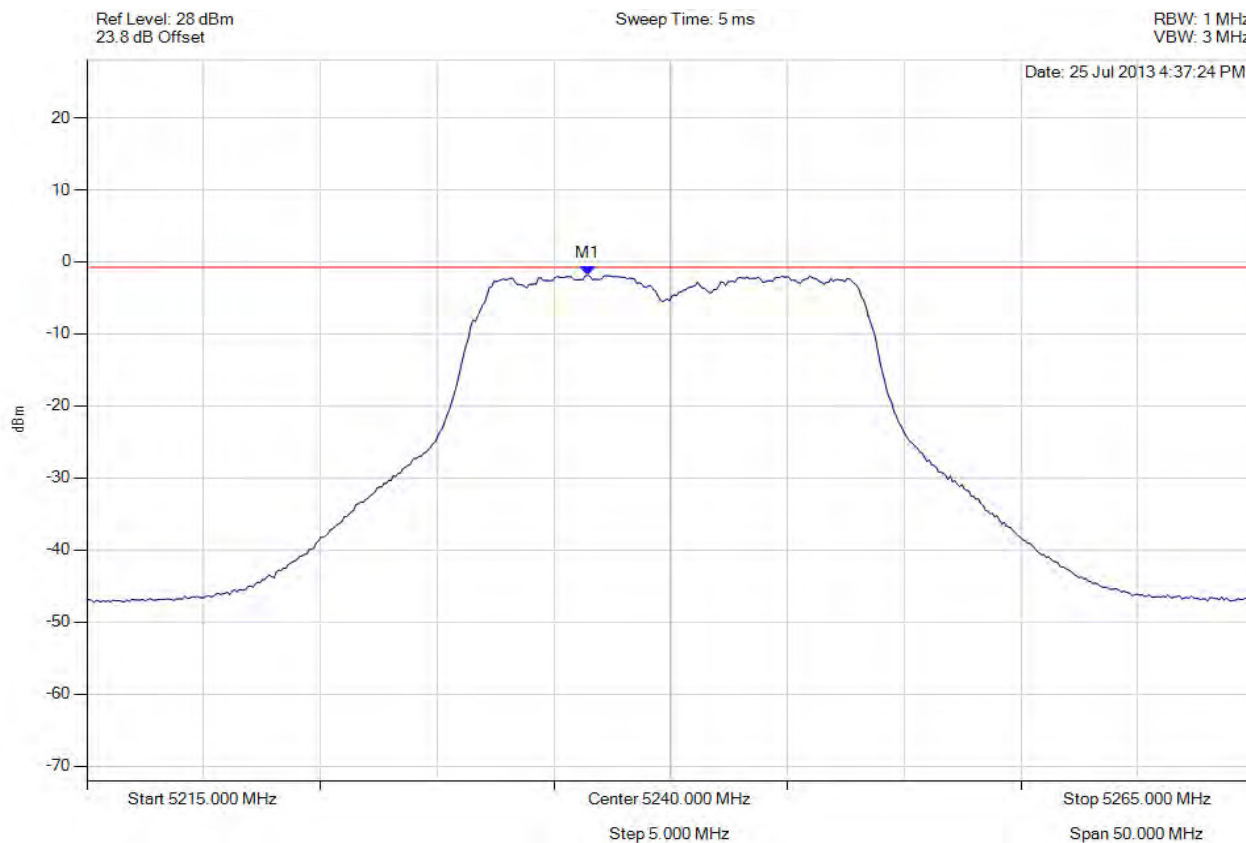


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5236.443 MHz : -1.850 dBm	Limit: $\leq -2.171$ dBm Margin: -0.32 dB

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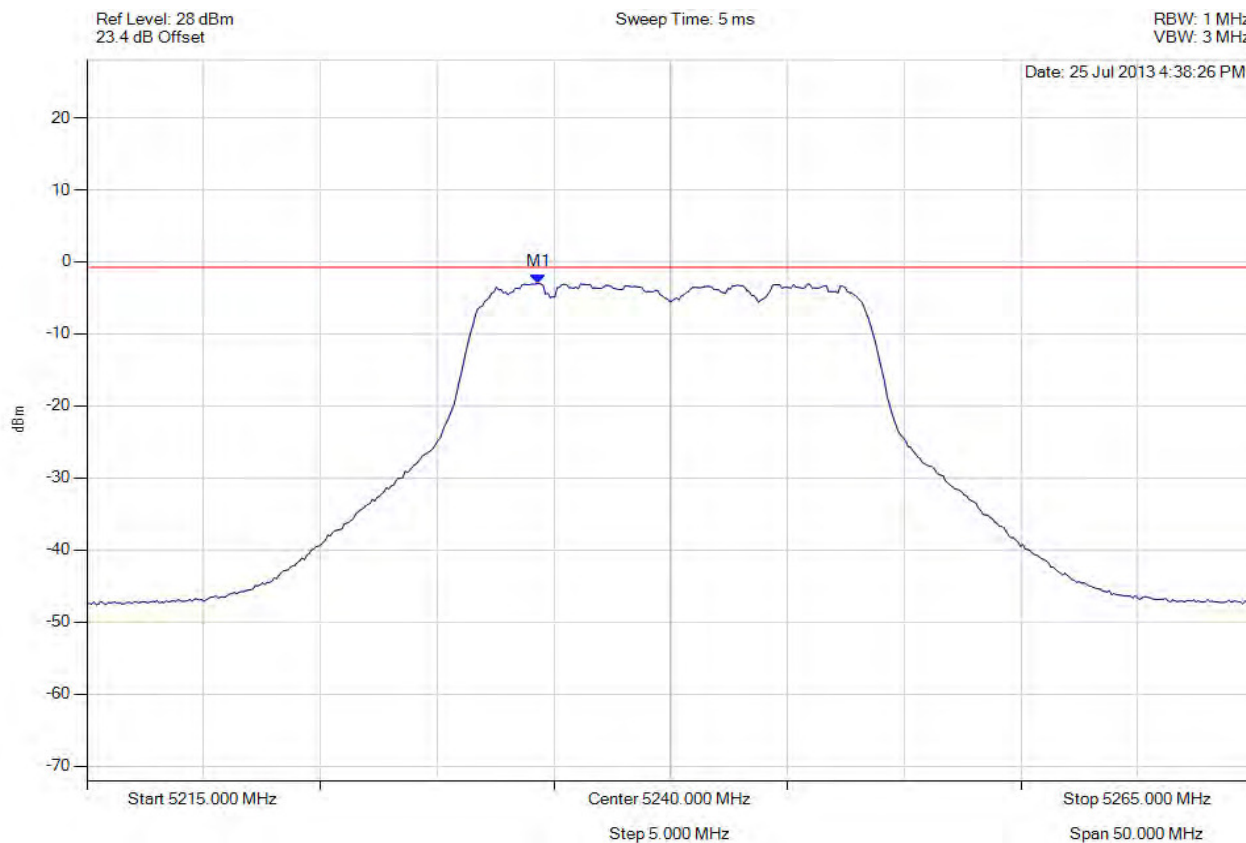


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5234.339 MHz : -2.980 dBm	Limit: $\leq -2.171$ dBm Margin: 0.81 dB

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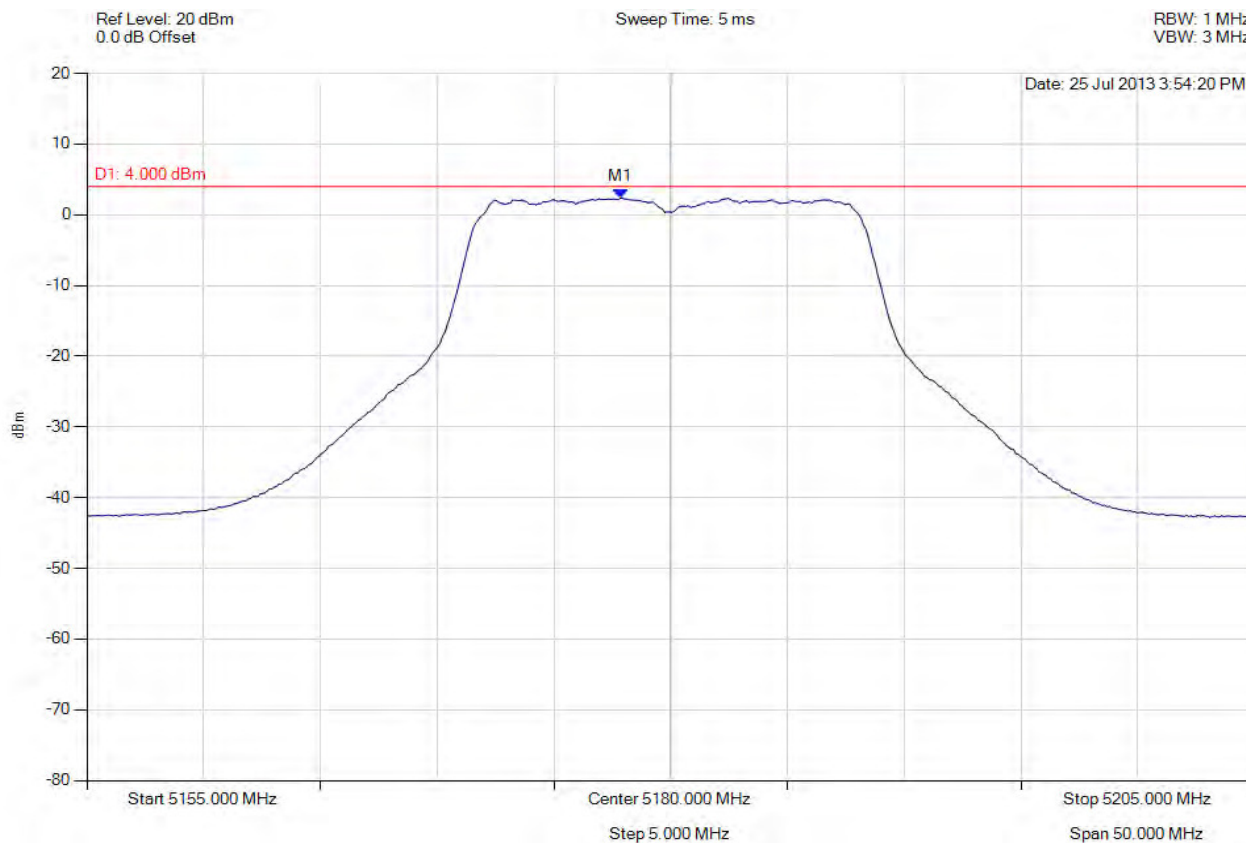


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 30 Trace Mode = VIEW	M1 : 5177.846 MHz : 2.353 dBm	Limit: $\leq 4.0$ dBm Margin: -1.64 dB

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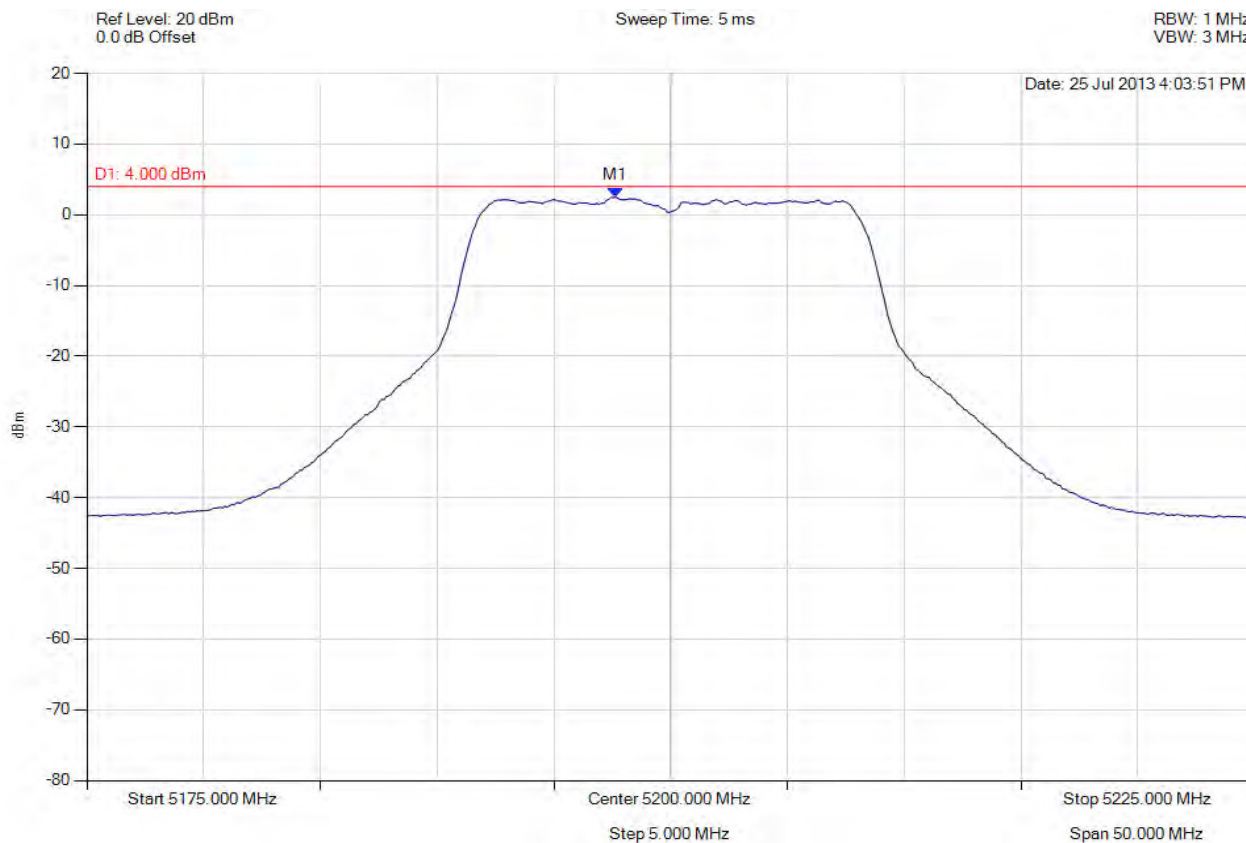


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 30 Trace Mode = VIEW	M1 : 5197.645 MHz : 2.489 dBm	Limit: $\leq 4.0$ dBm Margin: -1.51 dB

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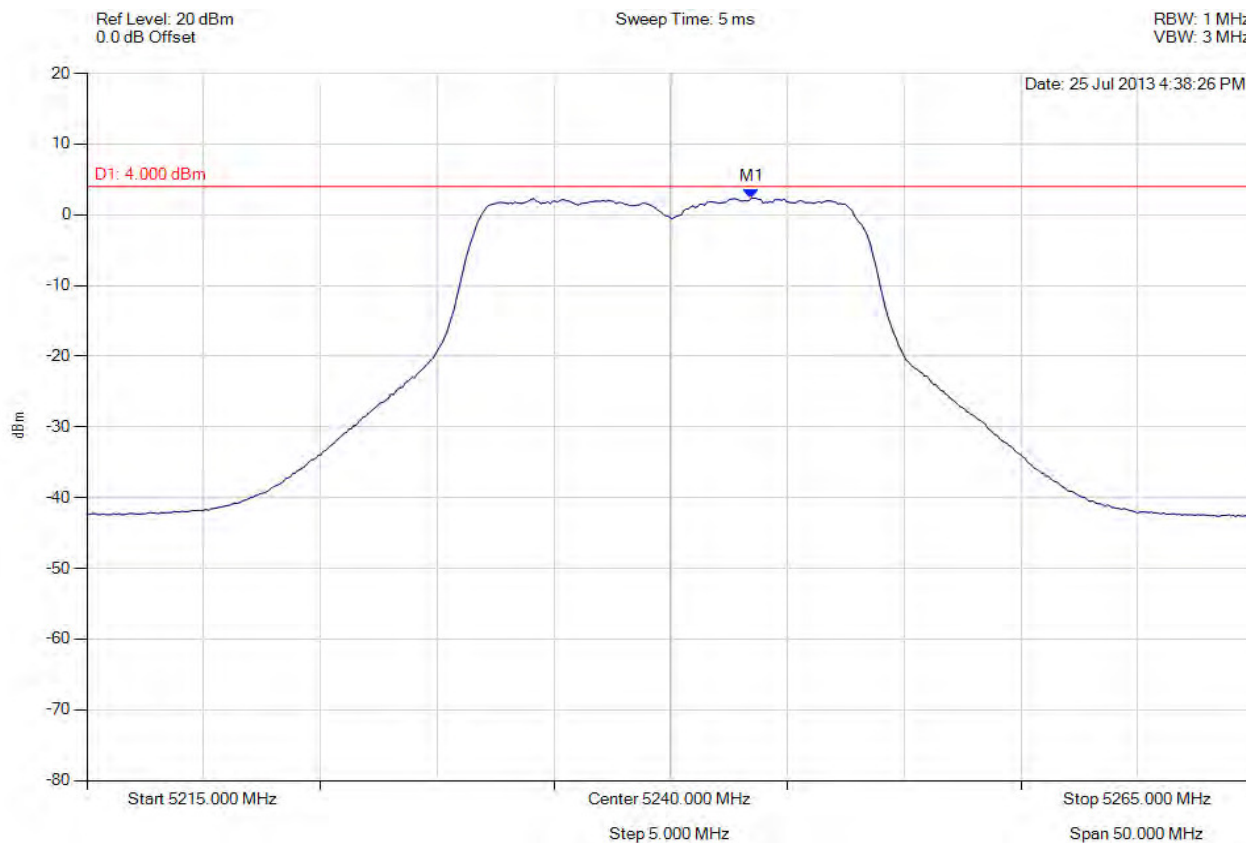


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 30 Trace Mode = VIEW	M1 : 5243.457 MHz : 2.351 dBm	Limit: $\leq 4.0$ dBm Margin: -1.64 dB

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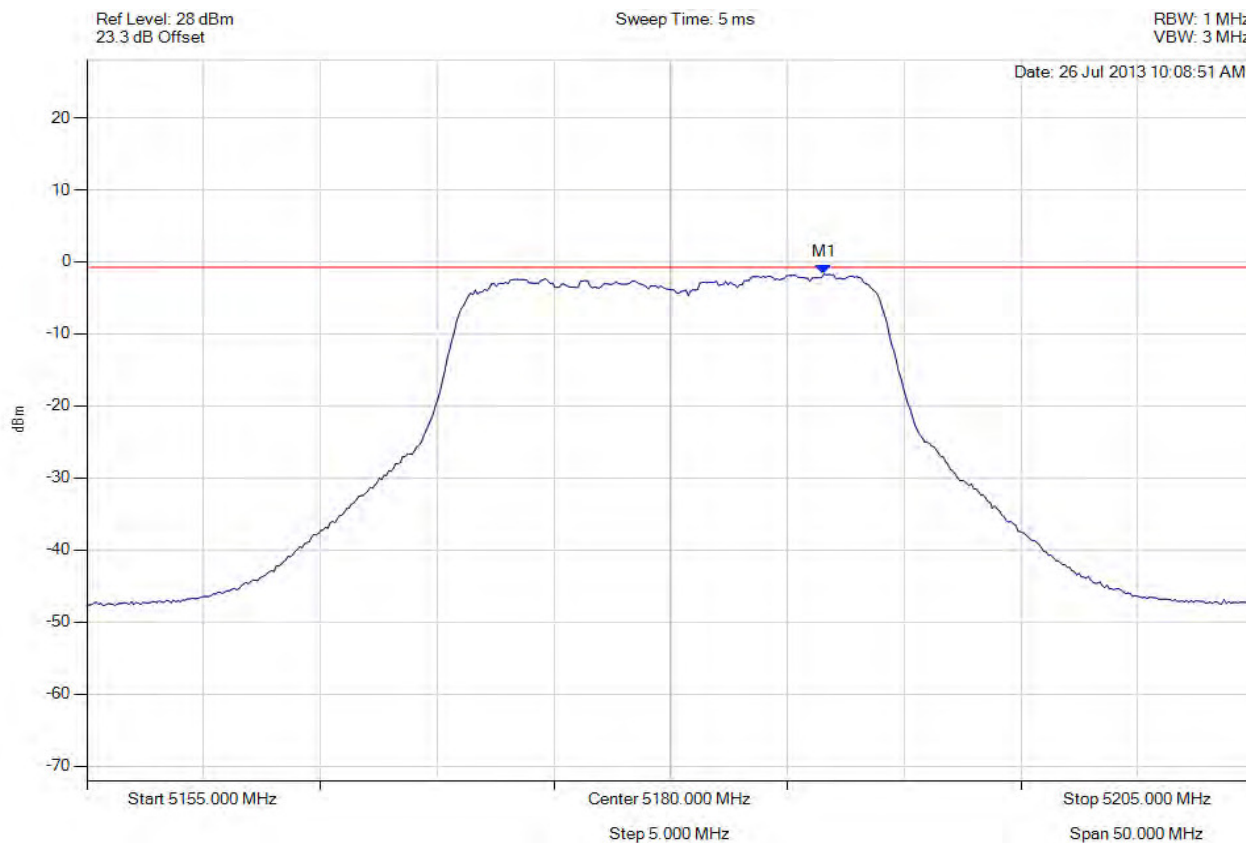


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5186.563 MHz : -1.684 dBm	Limit: $\leq -2.171$ dBm Margin: -0.49 dB

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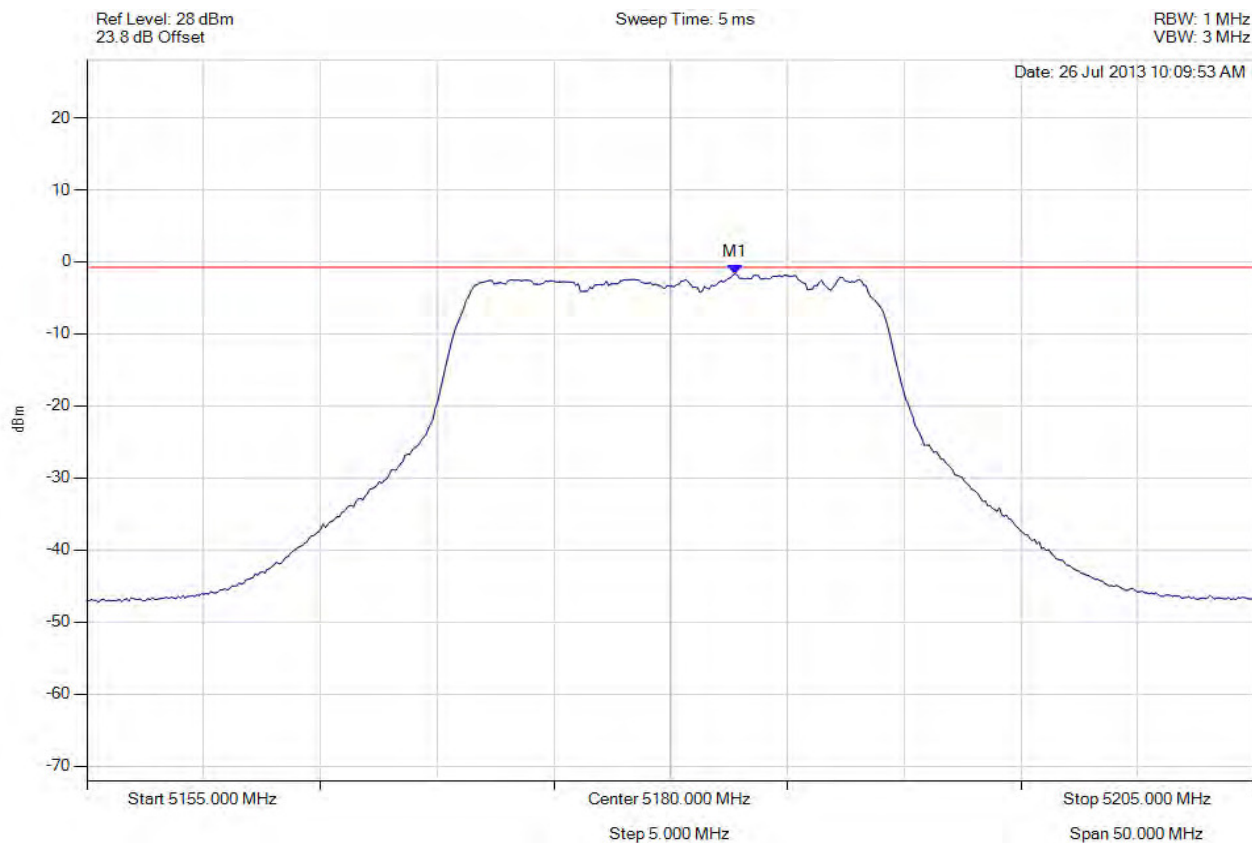


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5182.756 MHz : -1.686 dBm	Limit: $\leq -2.171$ dBm Margin: -0.49 dB

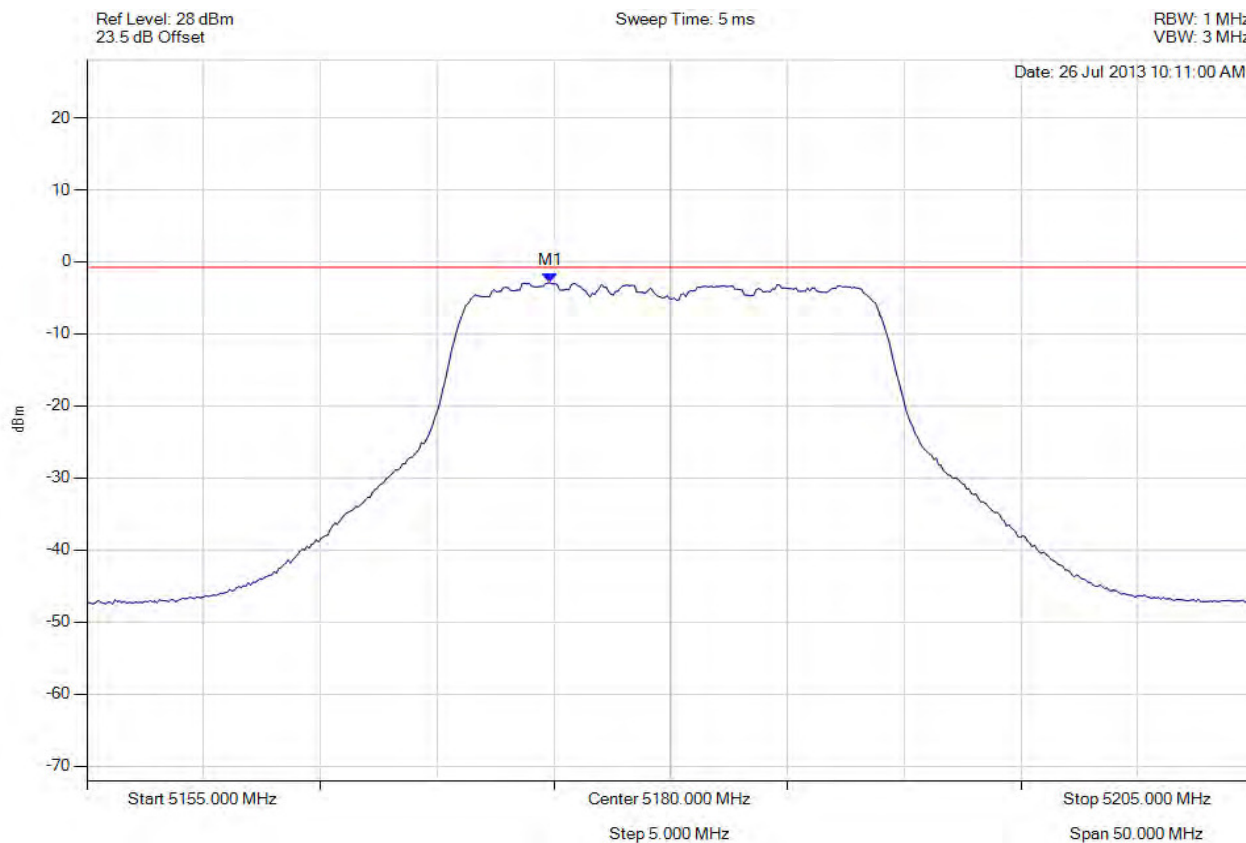
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5174.840 MHz : -2.926 dBm	Limit: $\leq -2.171$ dBm Margin: 0.75 dB

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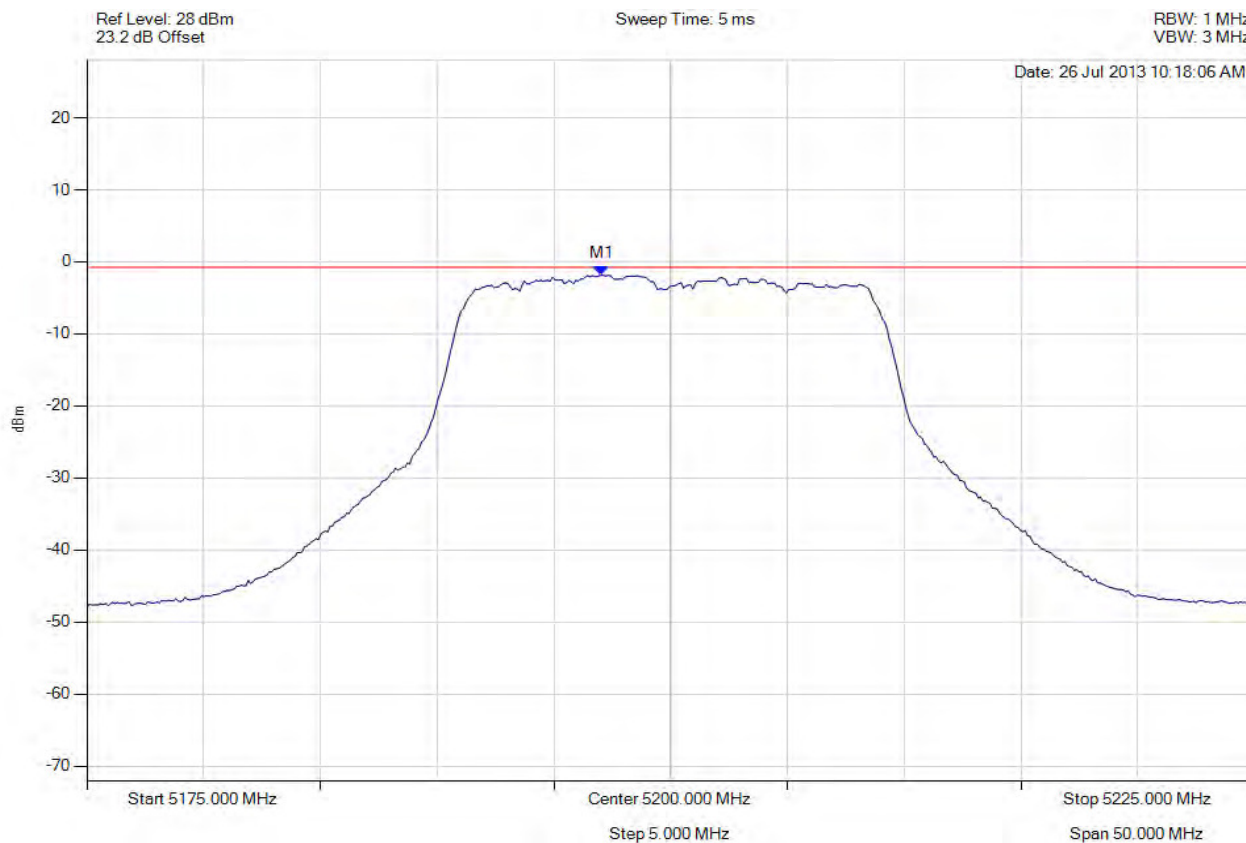


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.044 MHz : -1.859 dBm	Limit: $\leq -2.171$ dBm Margin: -0.31 dB

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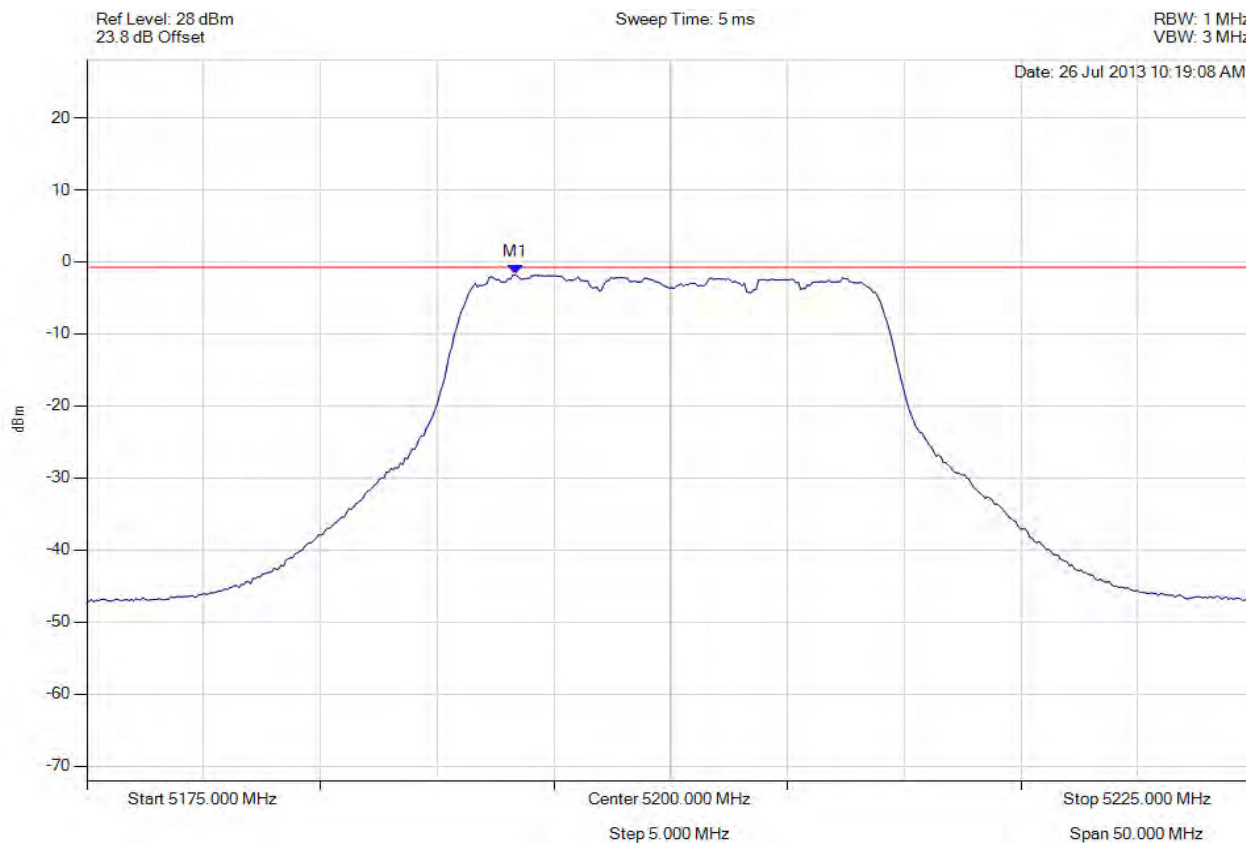


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5193.337 MHz : -1.779 dBm	Limit: $\leq -2.171$ dBm Margin: -0.39 dB

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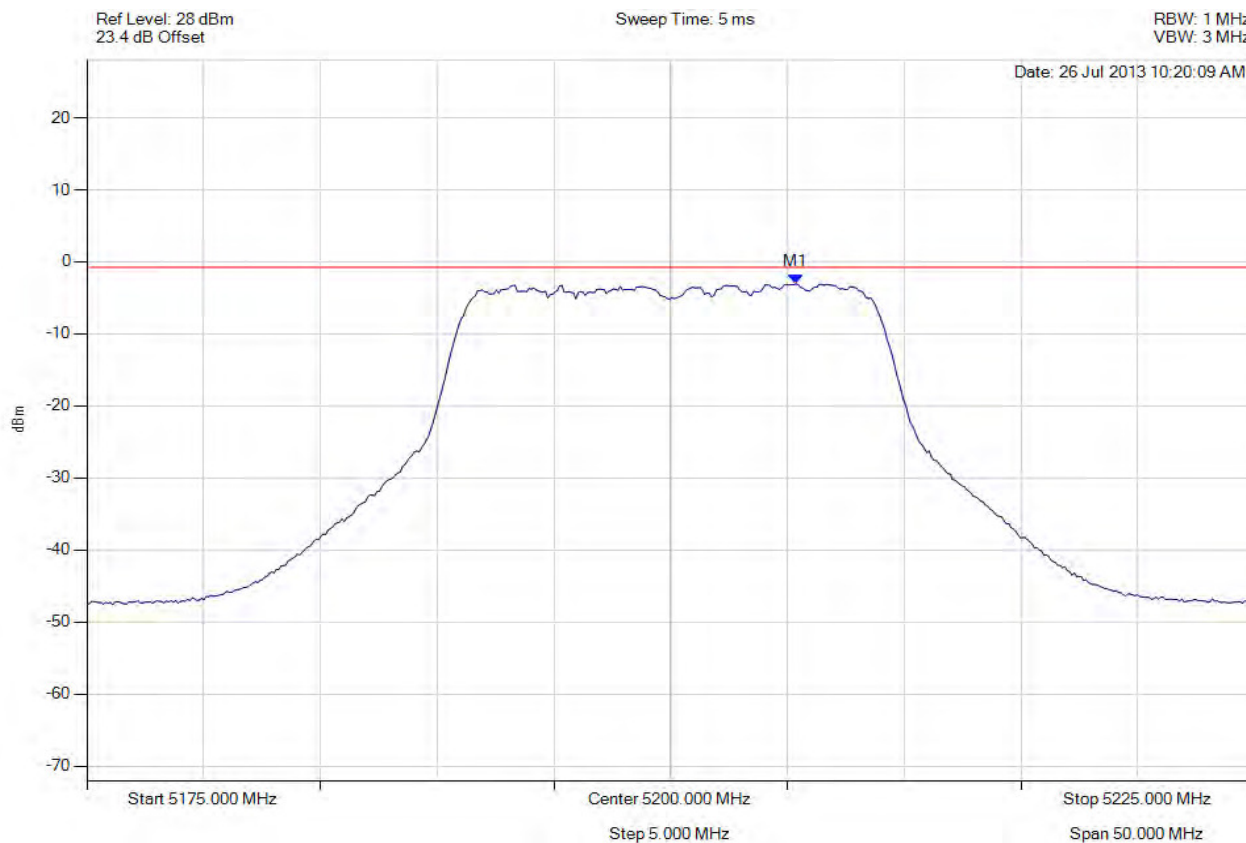


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5205.361 MHz : -3.067 dBm	Limit: $\leq -2.171$ dBm Margin: 0.90 dB

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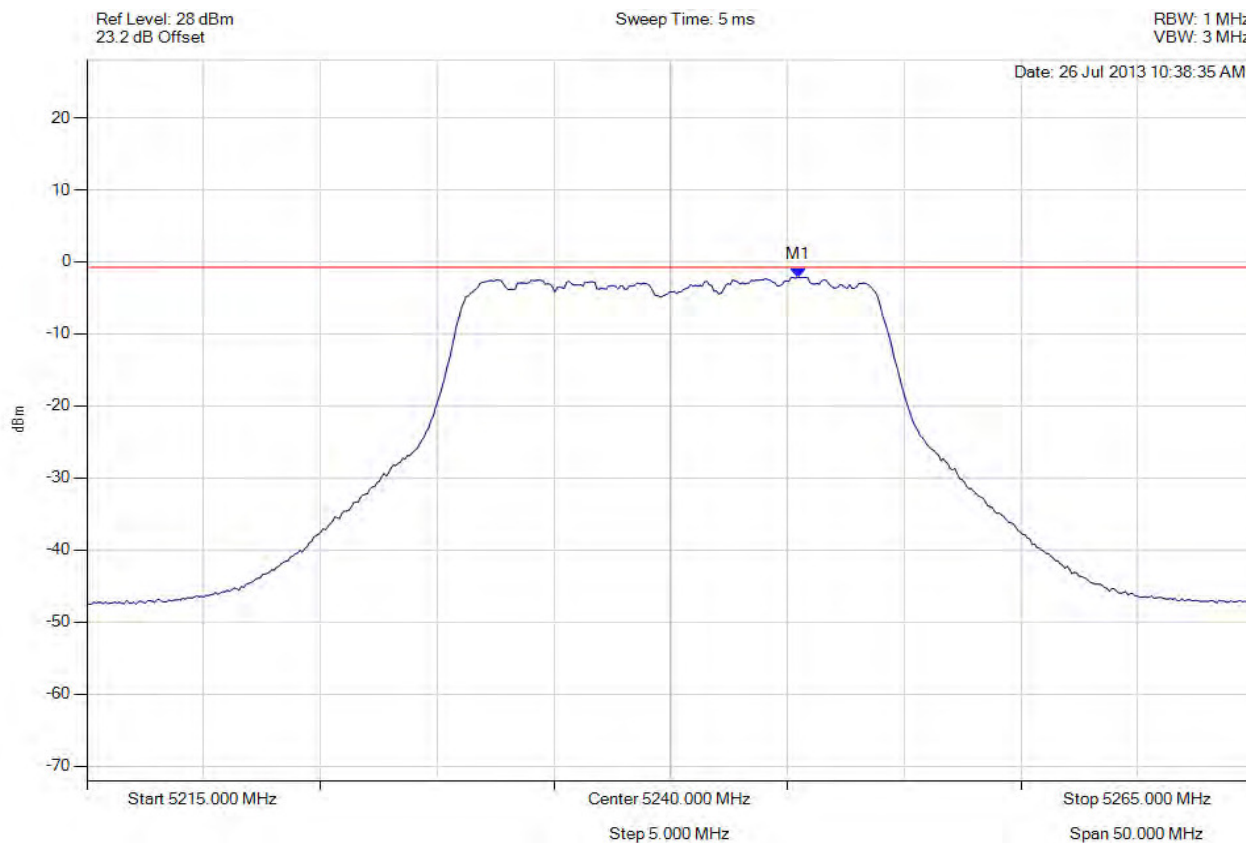


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5245.461 MHz : -2.115 dBm	Limit: $\leq -2.171$ dBm Margin: -0.06 dB

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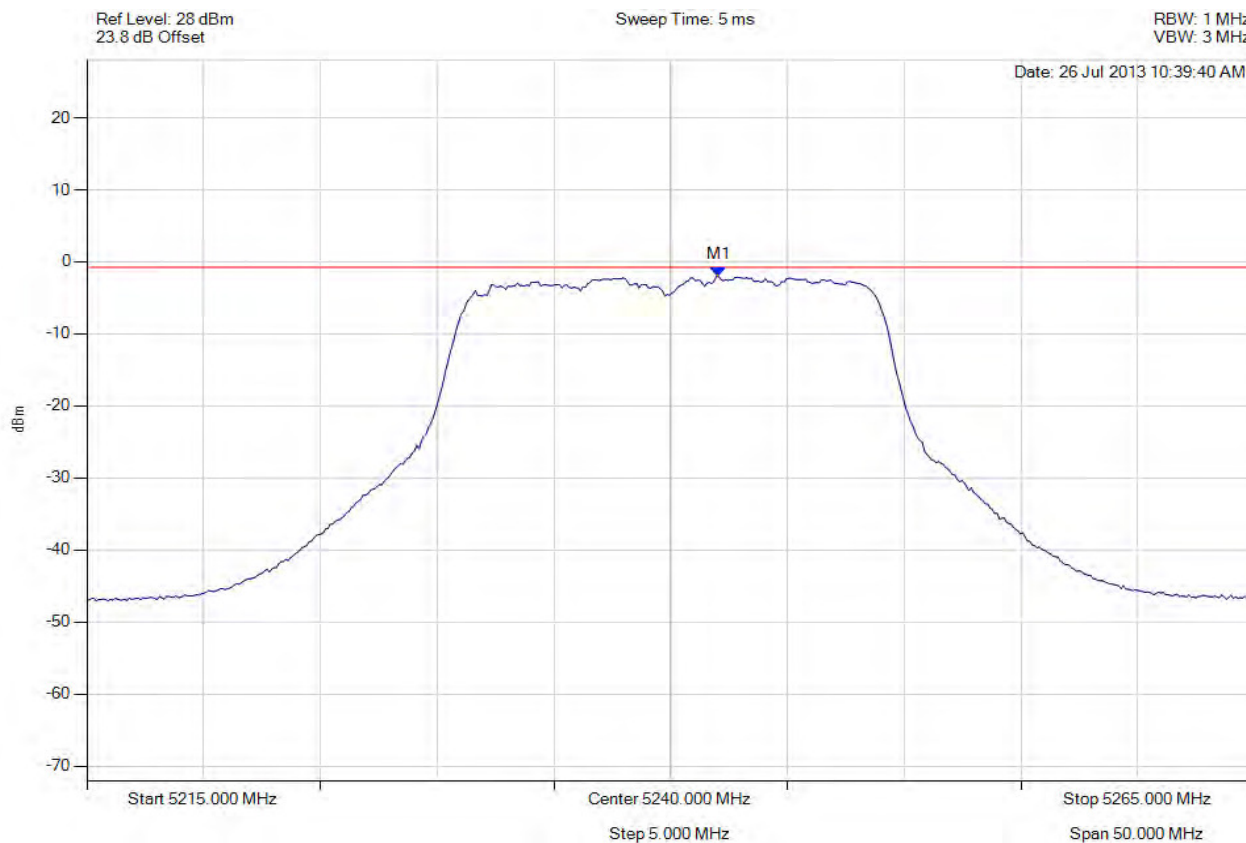


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5242.054 MHz : -2.041 dBm	Limit: $\leq -2.171$ dBm Margin: -0.13 dB

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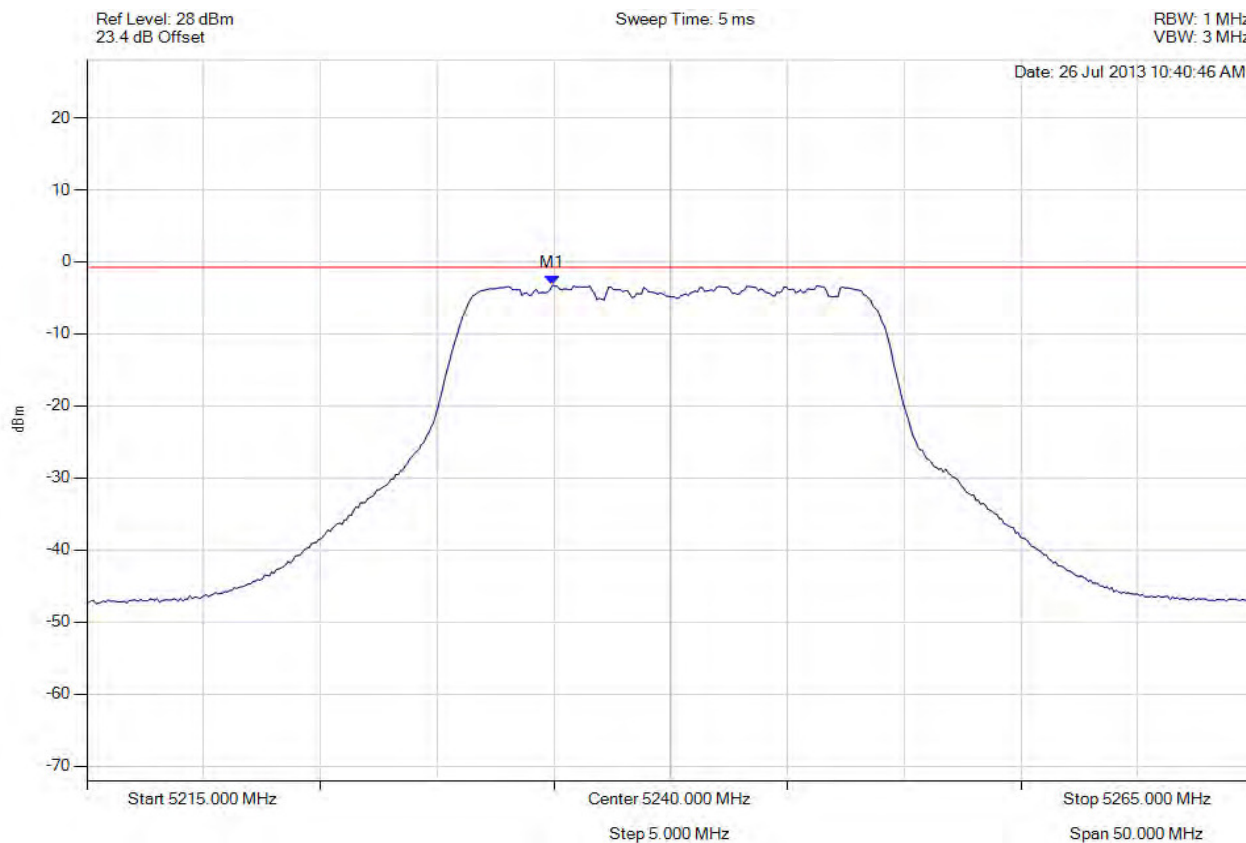


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5234.940 MHz : -3.250 dBm	Limit: $\leq -2.171$ dBm Margin: 1.08 dB

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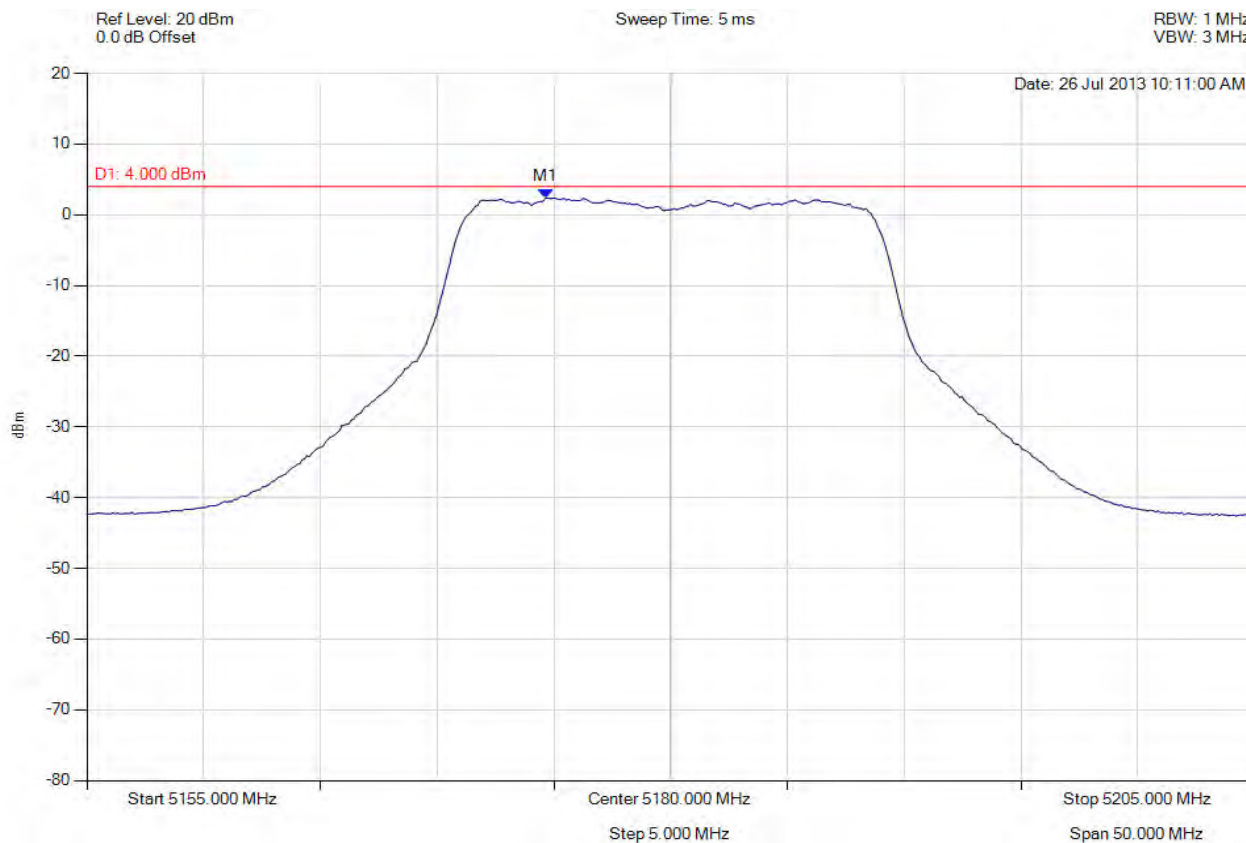


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 30 Trace Mode = VIEW	M1 : 5174.639 MHz : 2.352 dBm	Limit: $\leq 4.0$ dBm Margin: -1.64 dB

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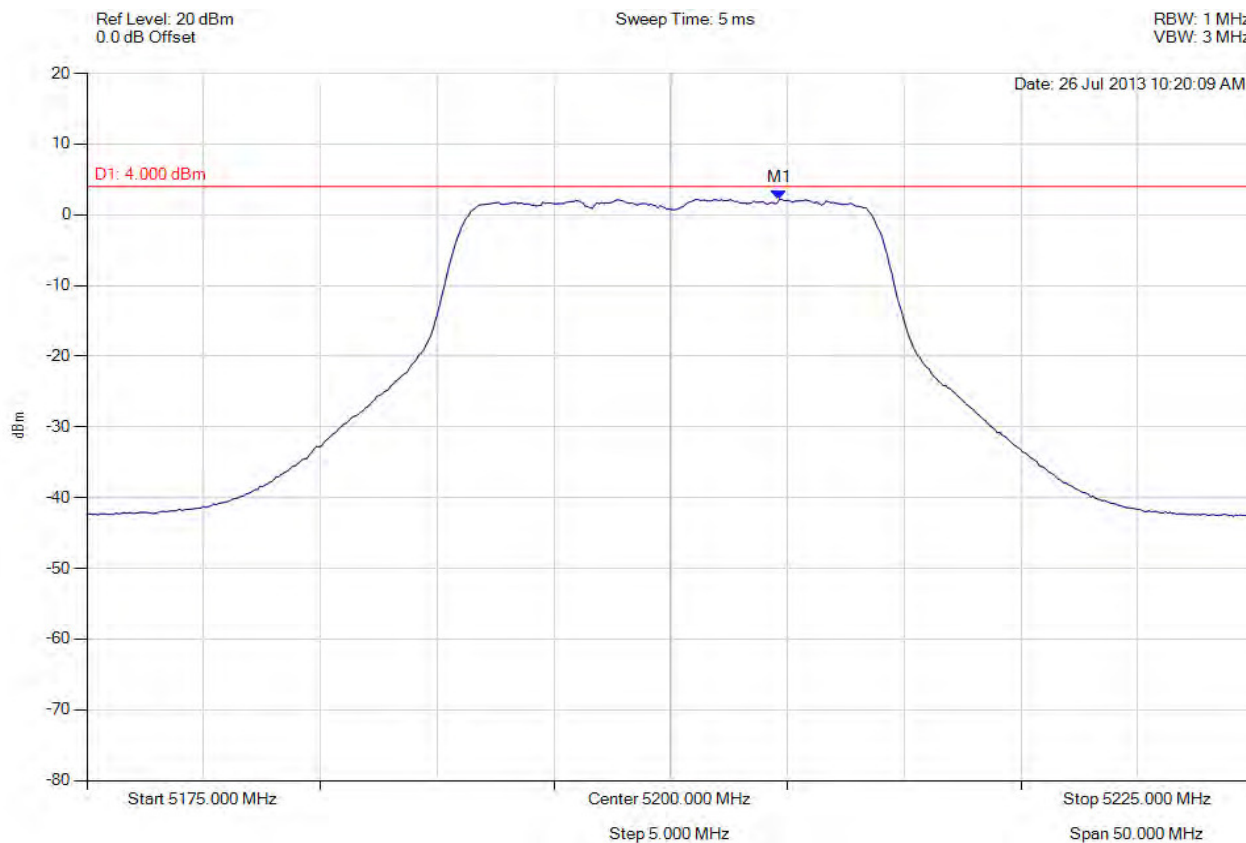


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 30 Trace Mode = VIEW	M1 : 5204.659 MHz : 2.203 dBm	Limit: $\leq 4.0$ dBm Margin: -1.79 dB

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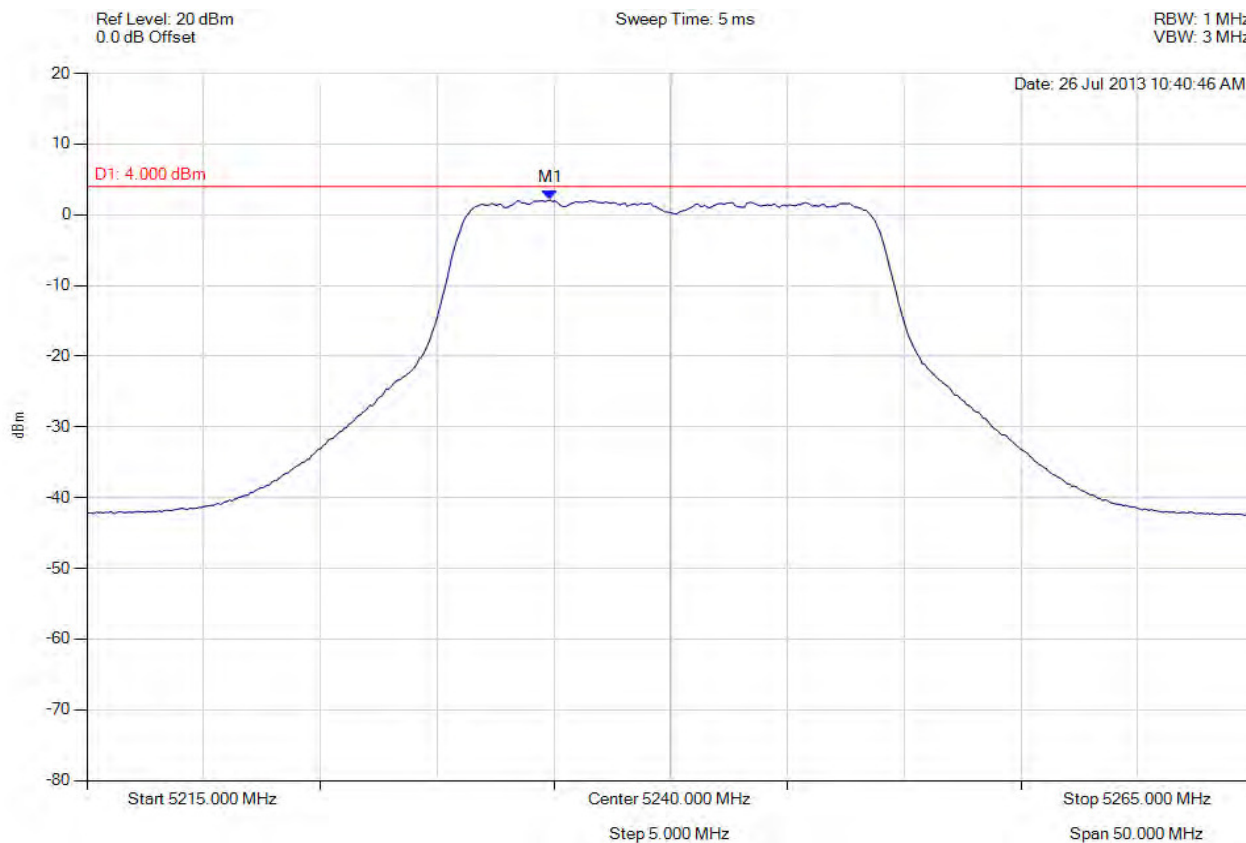


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 30 Trace Mode = VIEW	M1 : 5234.840 MHz : 2.092 dBm	Limit: $\leq 4.0$ dBm Margin: -1.90 dB

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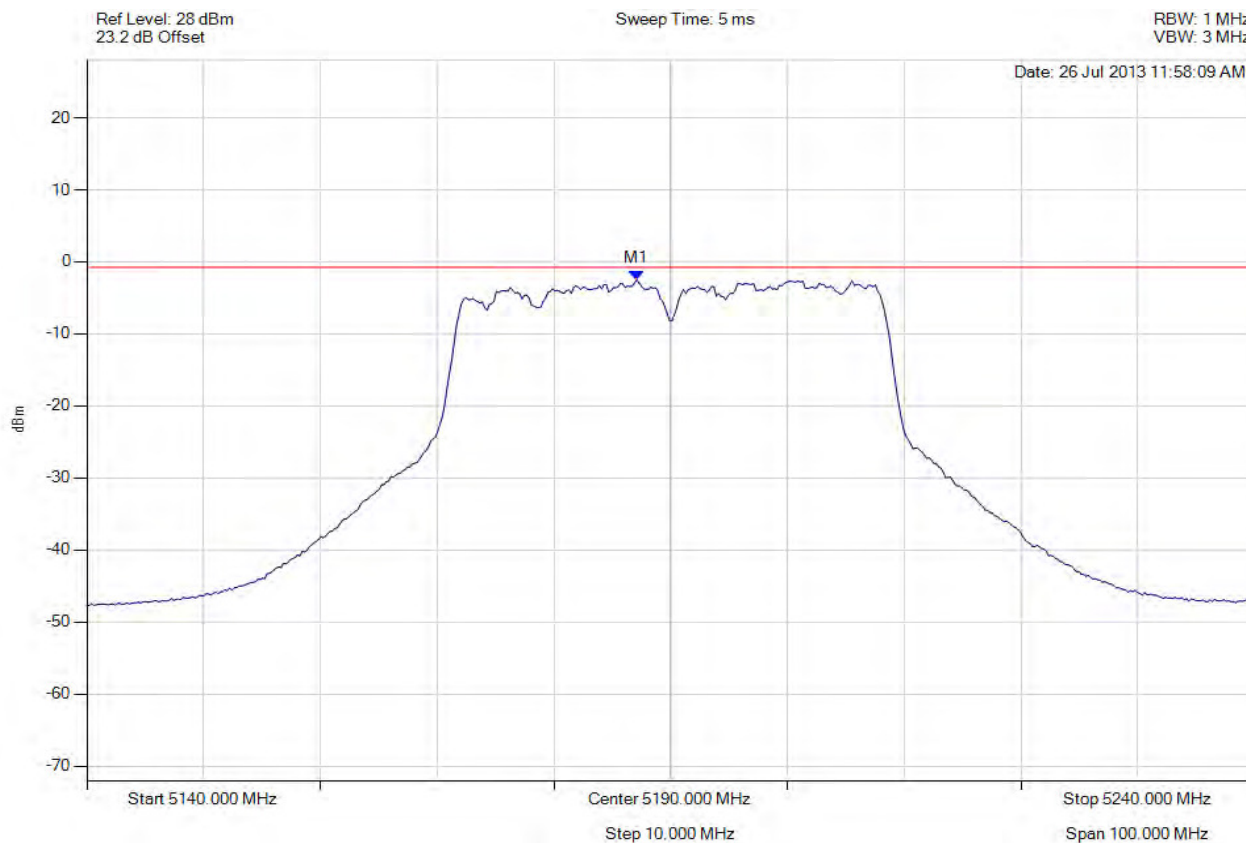


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5187.094 MHz : -2.499 dBm	Limit: $\leq -2.171$ dBm Margin: 0.33 dB

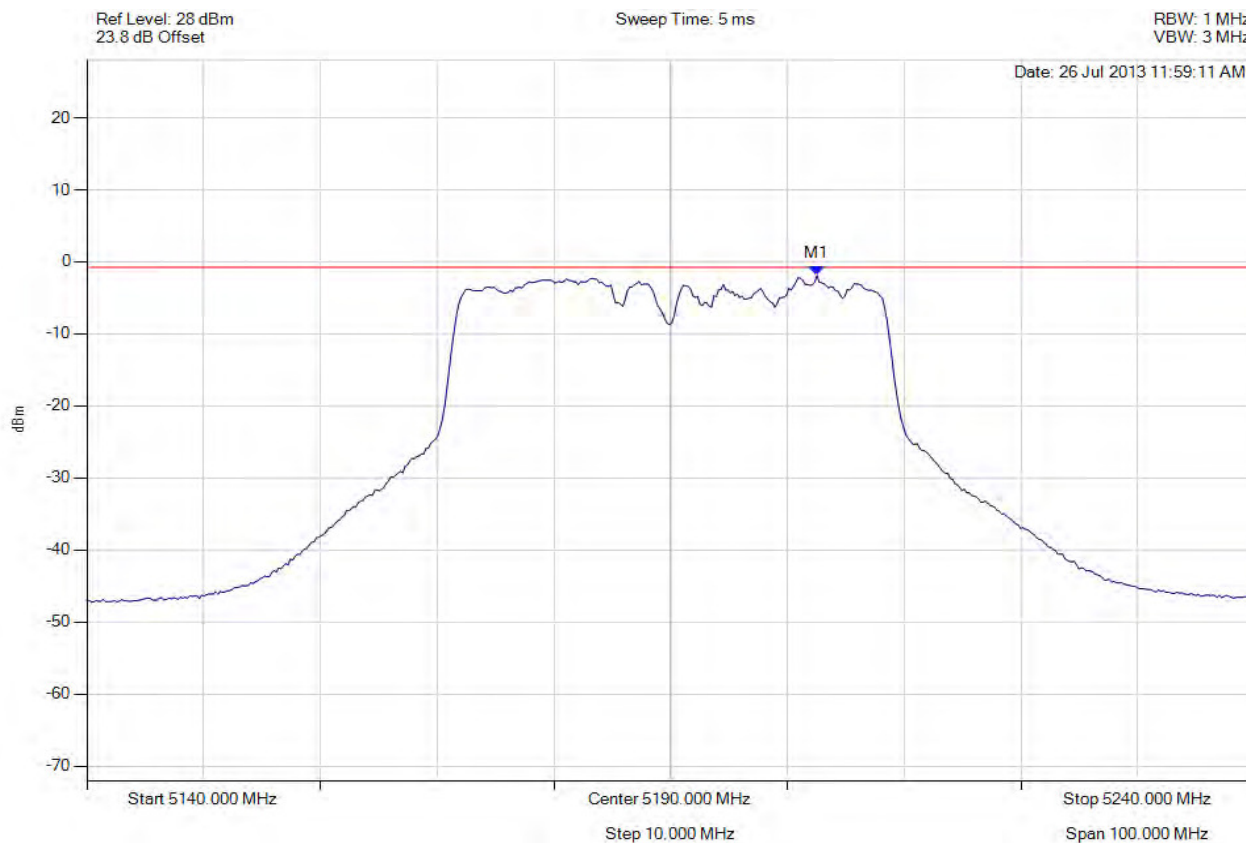
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.525 MHz : -1.924 dBm	Limit: $\leq -2.171$ dBm Margin: -0.25 dB

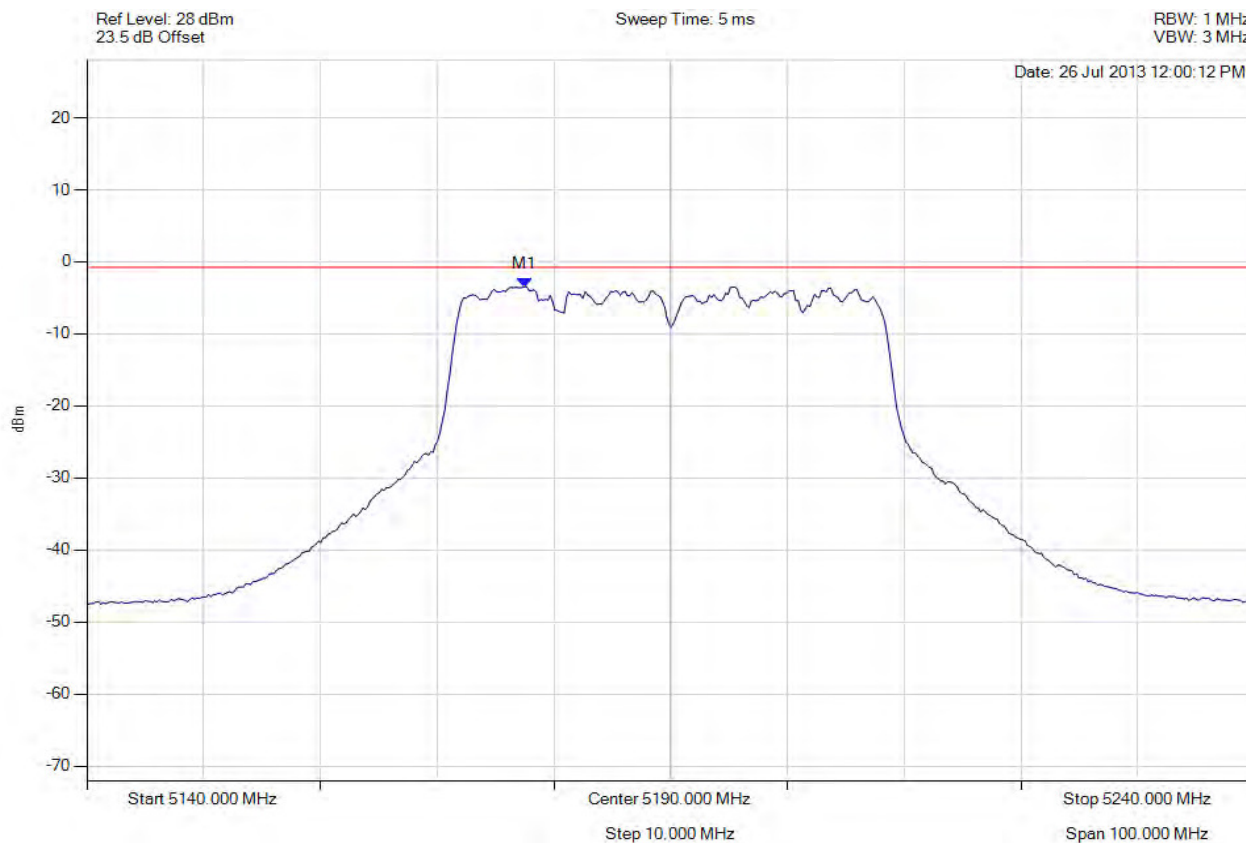
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.475 MHz : -3.450 dBm	Limit: $\leq -2.171$ dBm Margin: 1.28 dB

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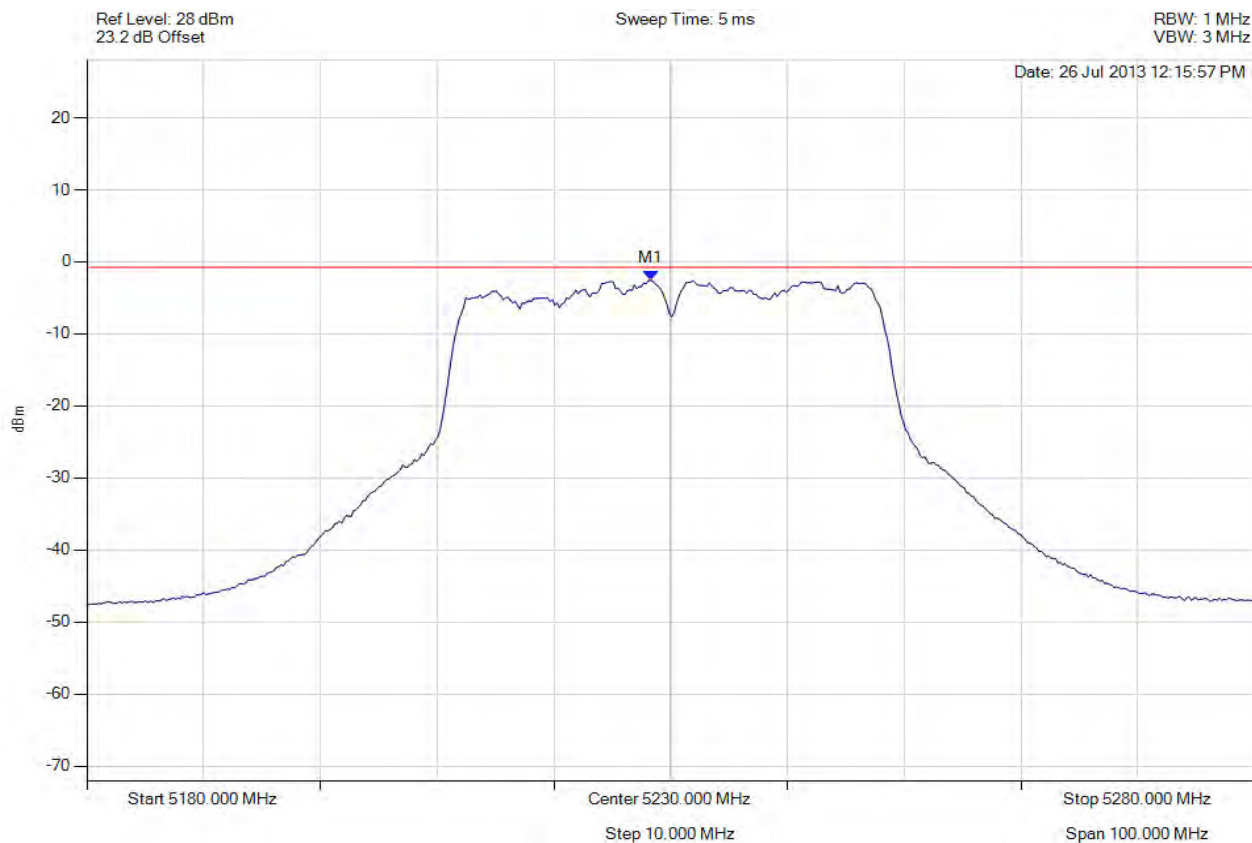


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5228.297 MHz : -2.546 dBm	Limit: $\leq -2.171$ dBm Margin: 0.37 dB

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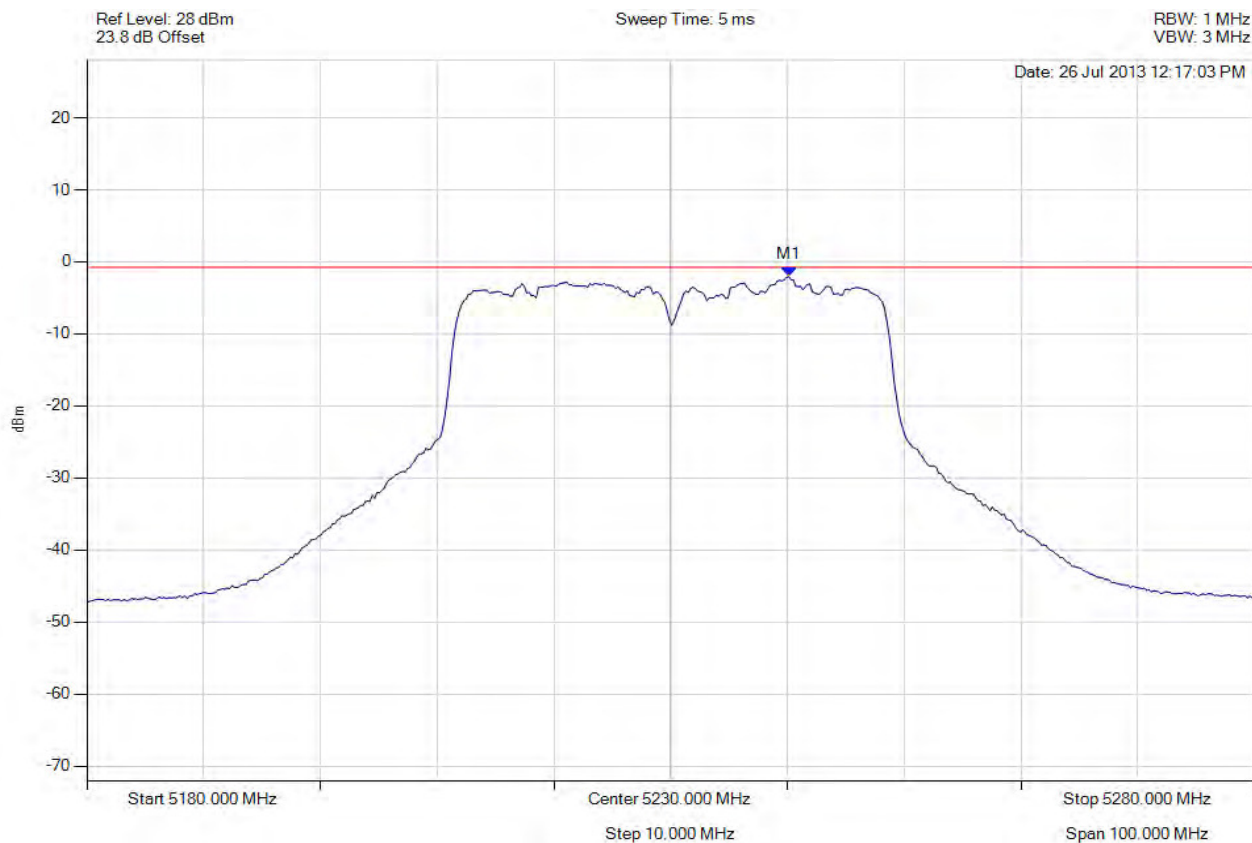


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5240.120 MHz : -2.055 dBm	Limit: $\leq -2.171$ dBm Margin: -0.12 dB

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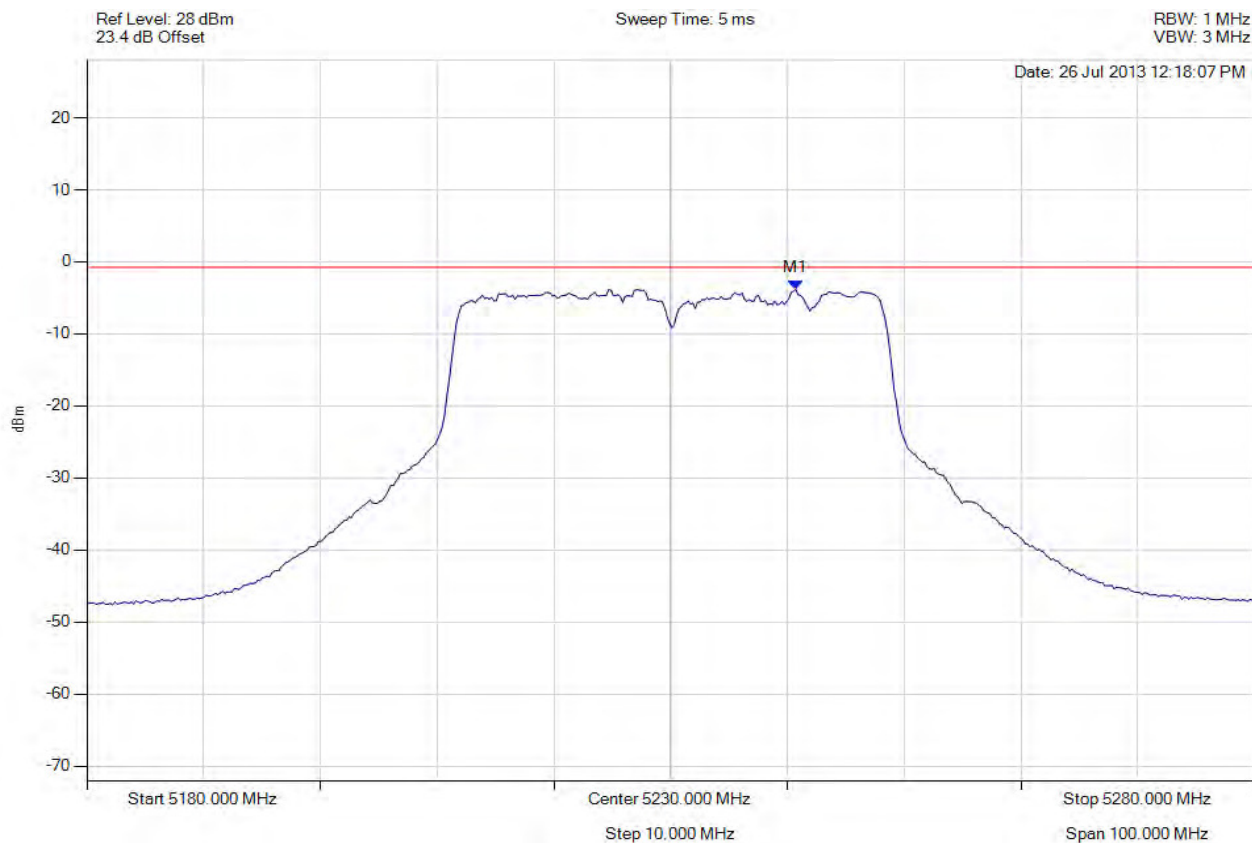


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5240.721 MHz : -3.851 dBm	Limit: $\leq -2.171$ dBm Margin: -1.68 dB

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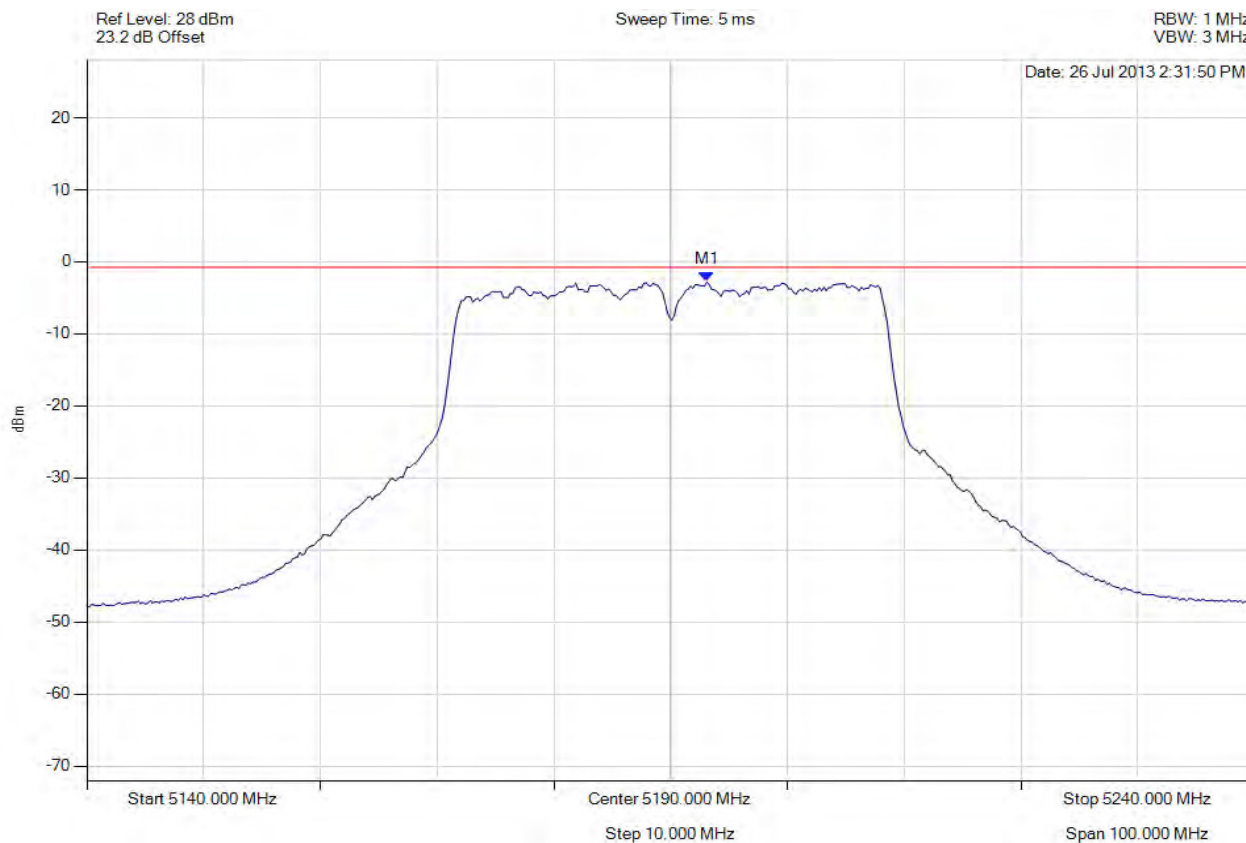


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5190.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5193.106 MHz : -2.781 dBm	Limit: $\leq -2.171$ dBm Margin: 0.61 dB

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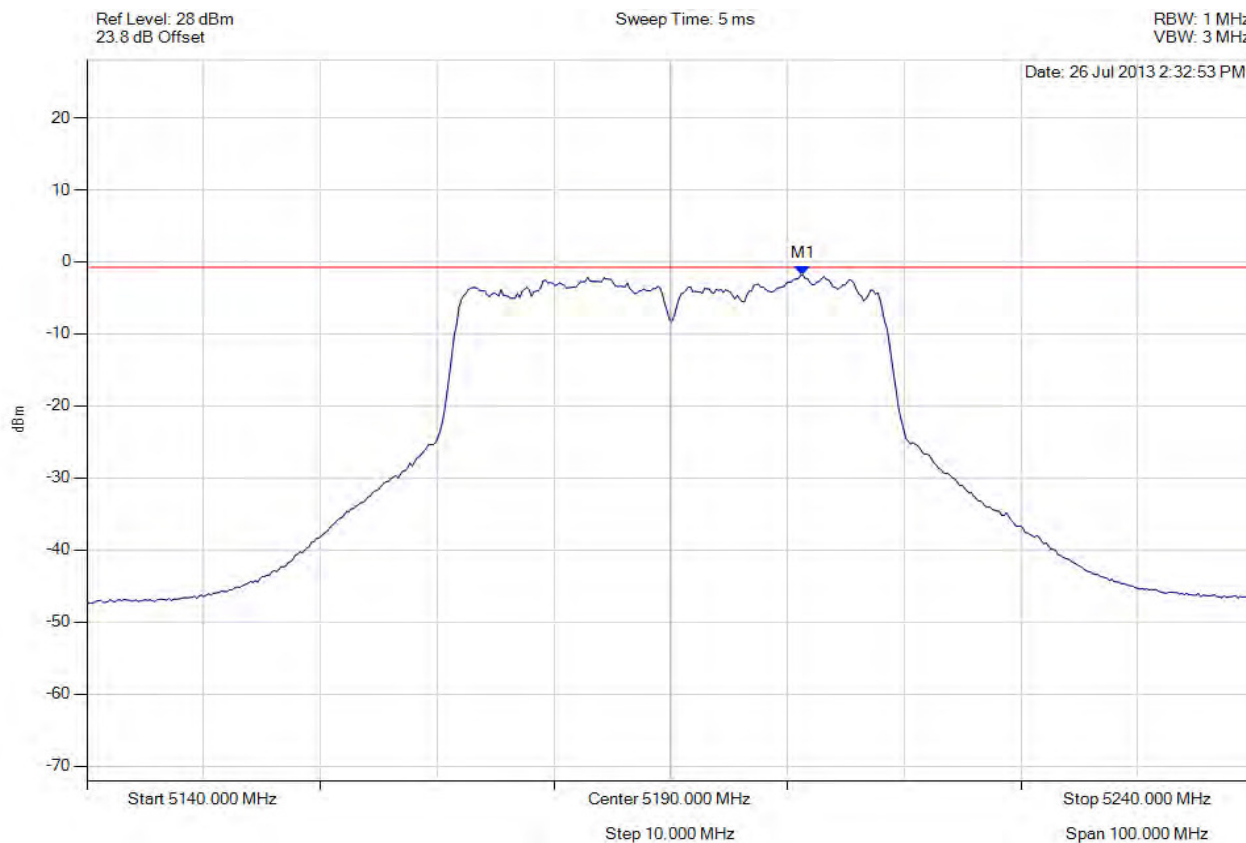


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5190.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5201.323 MHz : -1.823 dBm	Limit: $\leq -2.171$ dBm Margin: -0.35 dB

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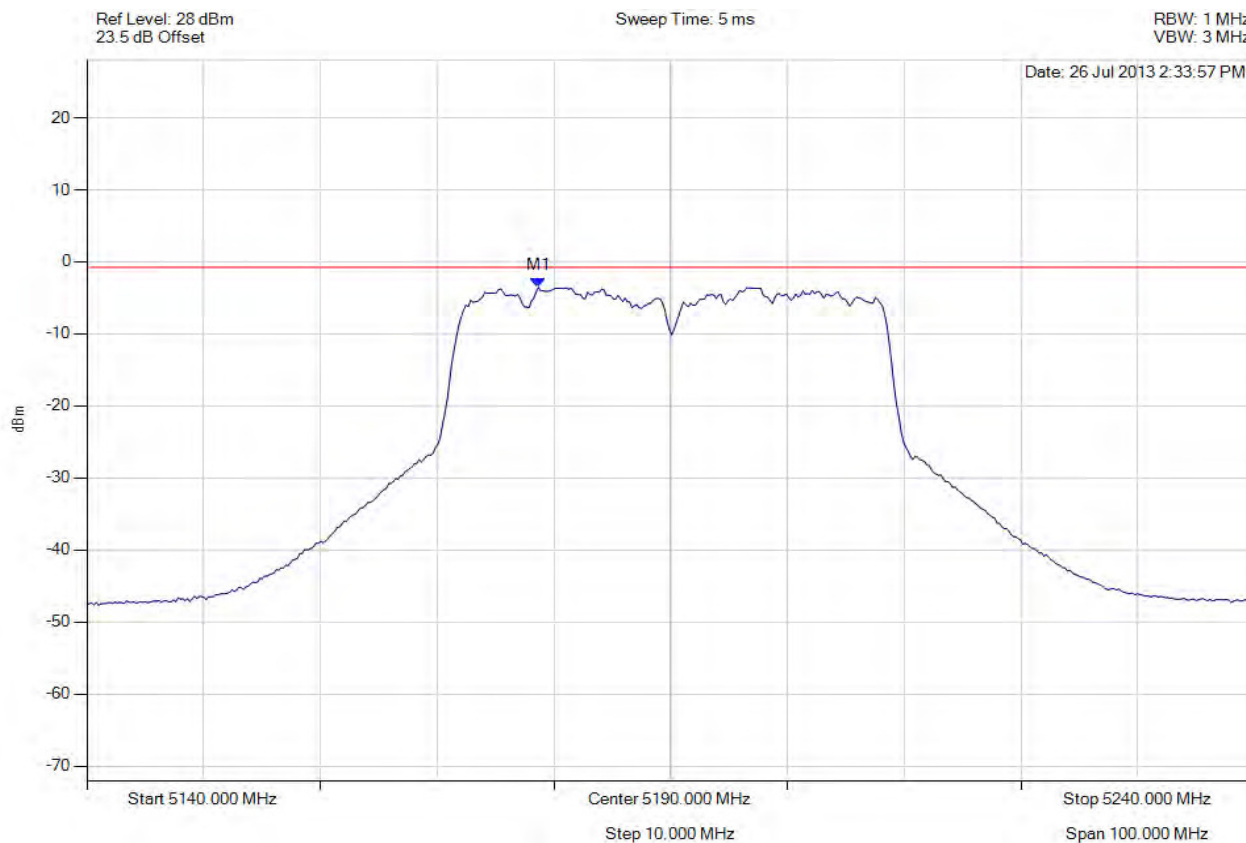


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5190.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.677 MHz : -3.563 dBm	Limit: $\leq -2.171$ dBm Margin: 1.39 dB

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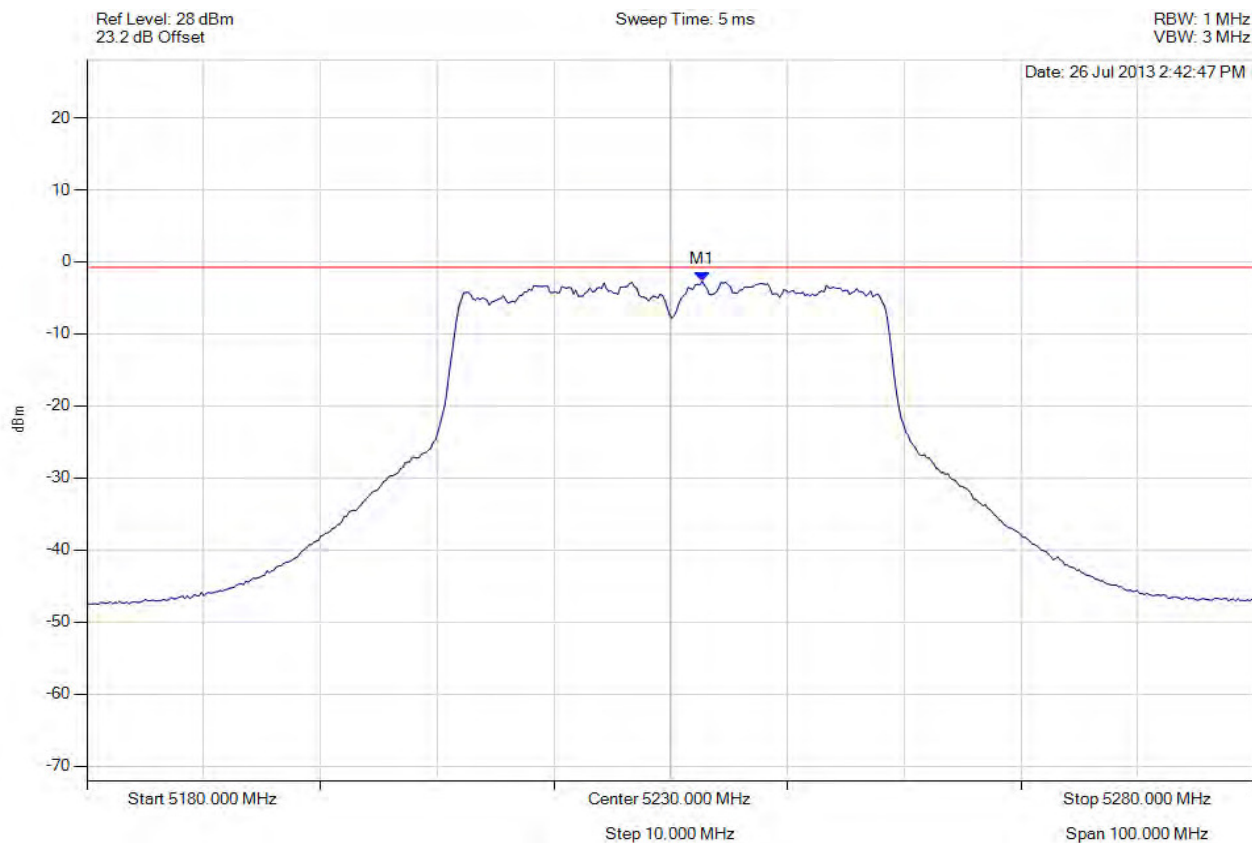


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5230.00 MHz, Chain a, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5232.705 MHz : -2.701 dBm	Limit: $\leq -2.171$ dBm Margin: 0.53 dB

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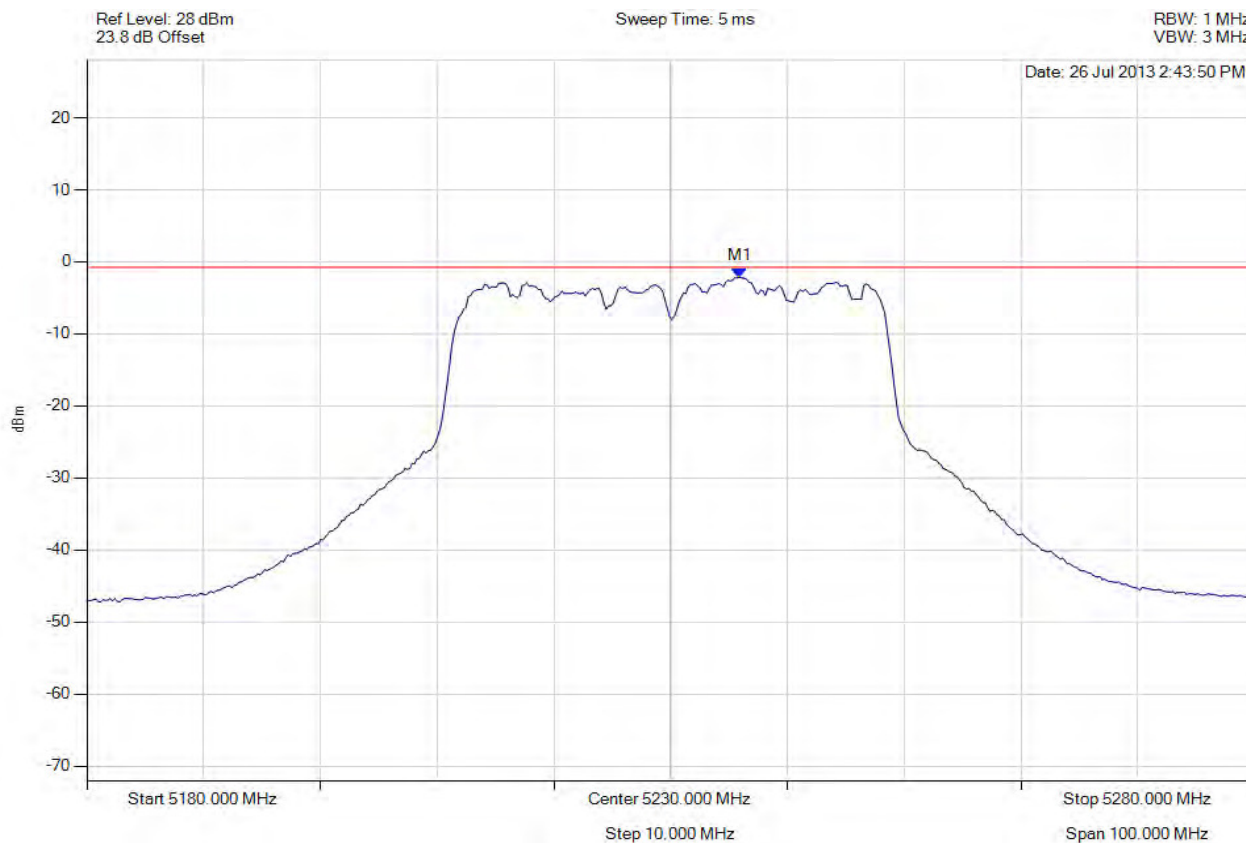


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5230.00 MHz, Chain b, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5235.912 MHz : -2.153 dBm	Limit: $\leq -2.171$ dBm Margin: -0.02 dB

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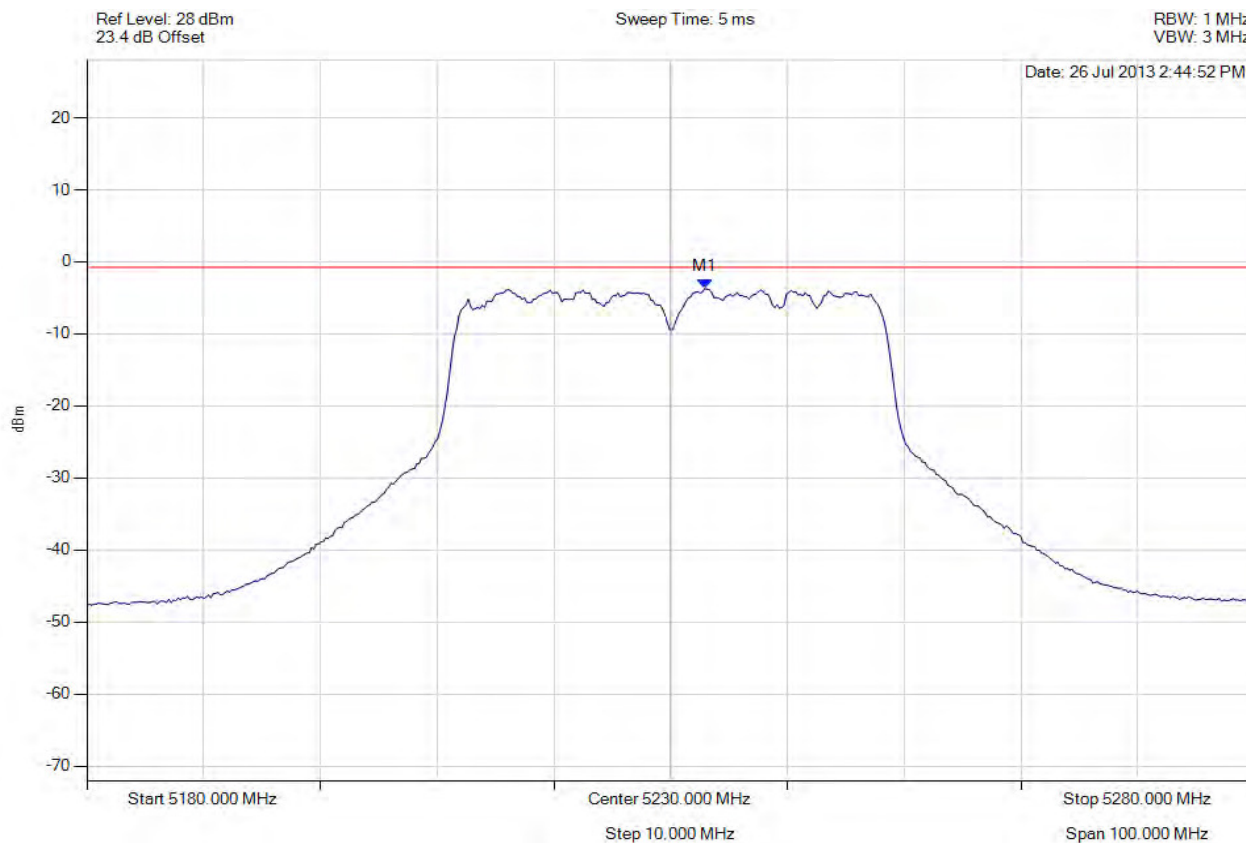


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### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5230.00 MHz, Chain c, Temp: Ambient, Voltage: 5 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5232.906 MHz : -3.735 dBm	Limit: $\leq -2.171$ dBm Margin: 1.56 dB

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