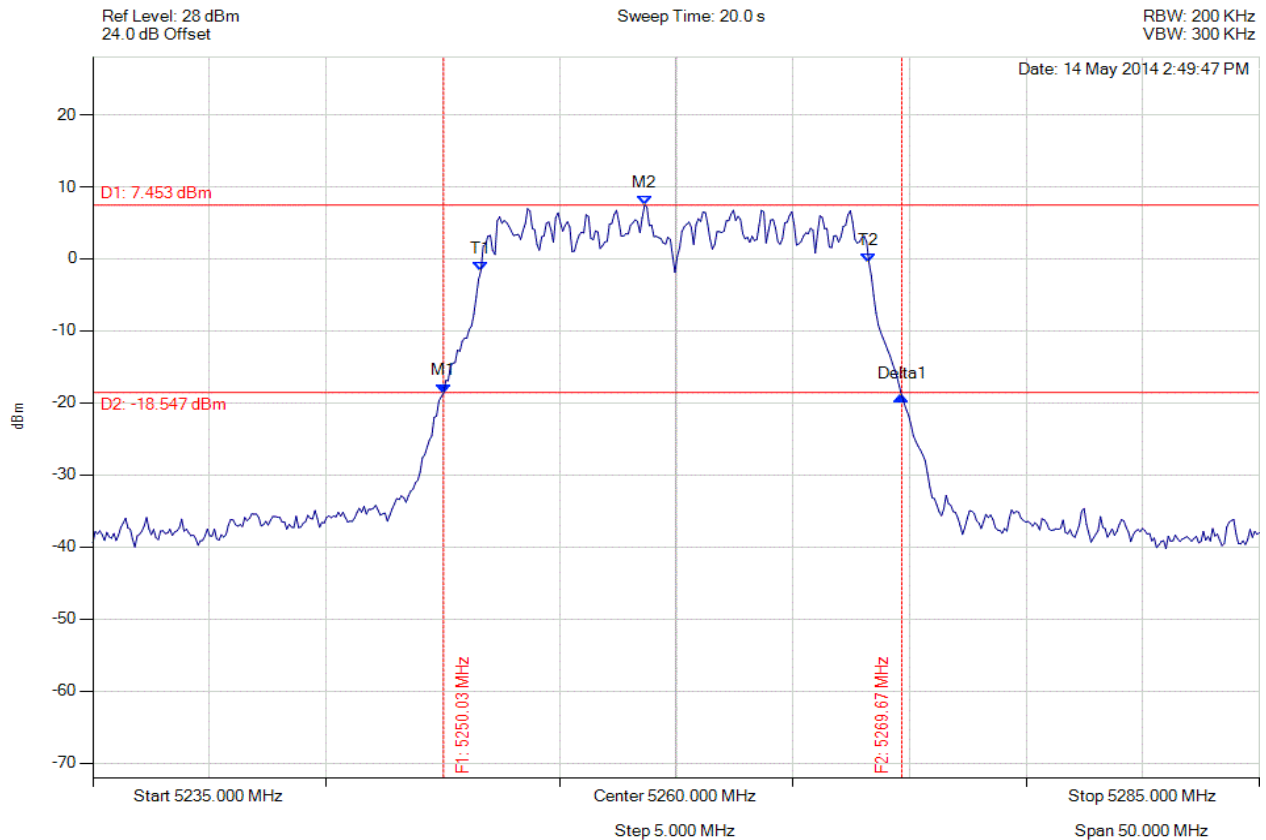| Asset #	Instrument	Manufacturer	Part #	Serial #	Calibration Due Date
399	Horn Antenna 1-18G	ETS	3117	00154575	10 Oct '14
405	Power Supply 0 -60 Vdc	Agilent	6654A	MY4001826	N/A
406	Preamp 1-18 GHz	MiCOM Labs		0406	30 May '15
411	Mast/Turntable Control	Sunol Sciences	SC98V	060199-1D	N/A
413	Mast Controller	Sunol Sciences	TWR95-4	030801-3	N/A
415	Turntable Controller	Sunol Sciences		0415	N/A
416	Gigabit Ethernet Filter	ETS	260366	0416	N/A
502	EMC Test Software	EMISoft	Vasona	5.0051	N/A
503	RF Conducted Test Software	National Instruments	Labview	Version 8.2	N/A
RF#1SMA #SA	SMA Cable	Flexco	--	--	20th Dec '14
RF#1SMA #1	SMA Cable	Flexco	--	--	20th Dec '14
RF#1SMA #2	SMA Cable	Flexco	--	--	20th Dec '14
RF#1SMA #3	SMA Cable	Flexco	--	--	20th Dec '14
RF#1SMA #4	SMA Cable	Flexco	--	--	20th Dec '14

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.

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APPENDIX

A. SUPPORTING INFORMATION

A.1. CONDUCTED TEST PLOTS

A.1.1. 26 dB & 99% Bandwidth

26 dB & 99% BANDWIDTH

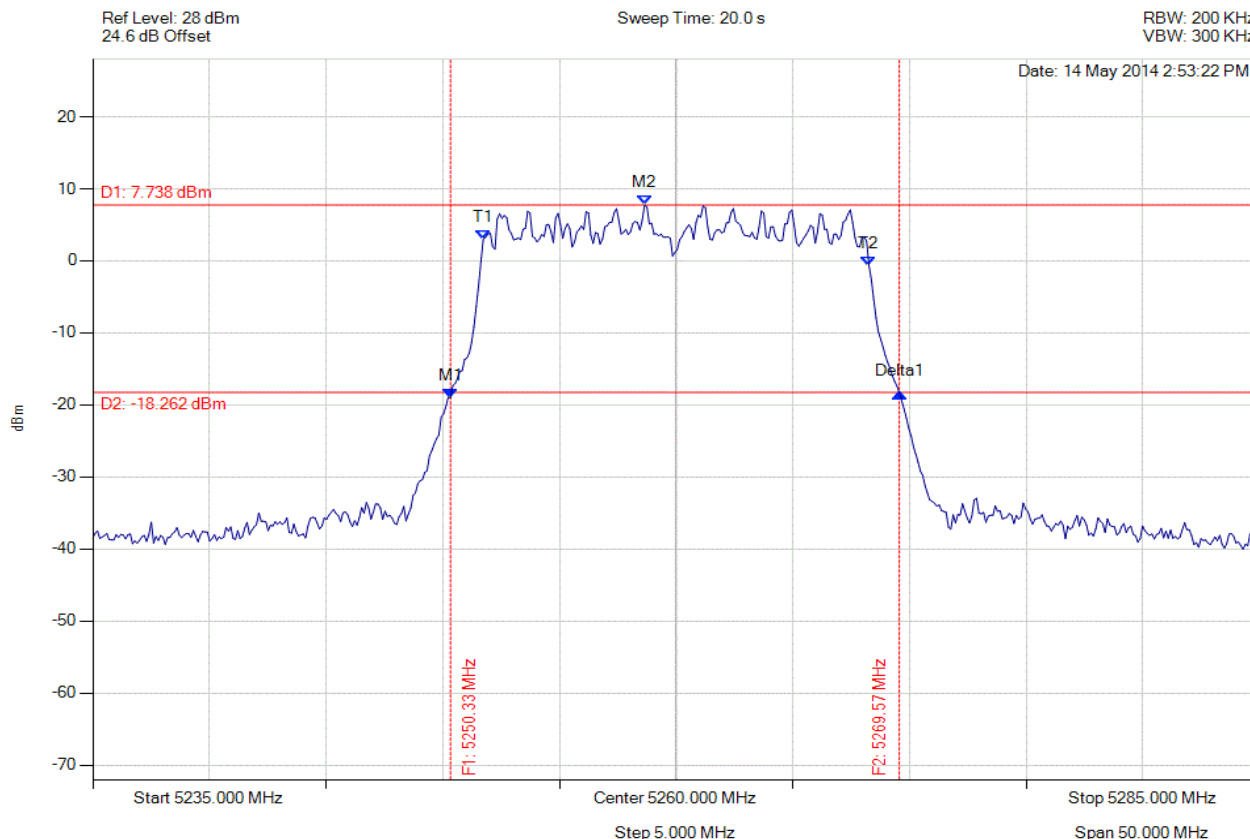Variant: 802.11a, Channel: 5260.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.030 MHz : -18.628 dBm M2 : 5258.647 MHz : 7.453 dBm Delta1 : 19.639 MHz : -0.382 dB T1 : 5251.633 MHz : -1.636 dBm T2 : 5268.267 MHz : -0.548 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.639 MHz Measured 99% Bandwidth: 16.633 MHz

Back to the Matrix

26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.331 MHz : -19.010 dBm M2 : 5258.647 MHz : 7.738 dBm Delta1 : 19.238 MHz : 0.649 dB T1 : 5251.733 MHz : 2.944 dBm T2 : 5268.267 MHz : -0.653 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.238 MHz Measured 99% Bandwidth: 16.533 MHz

Back to the Matrix

26 dB & 99% BANDWIDTH

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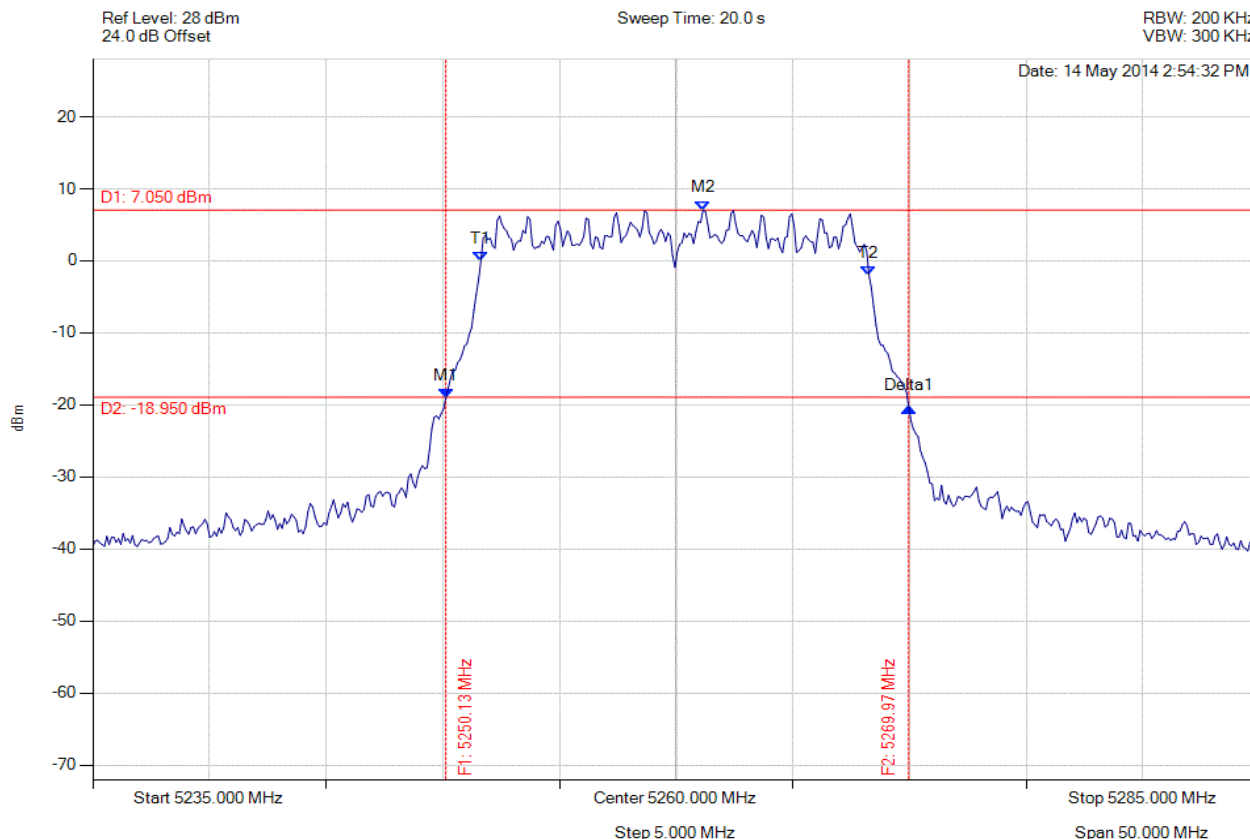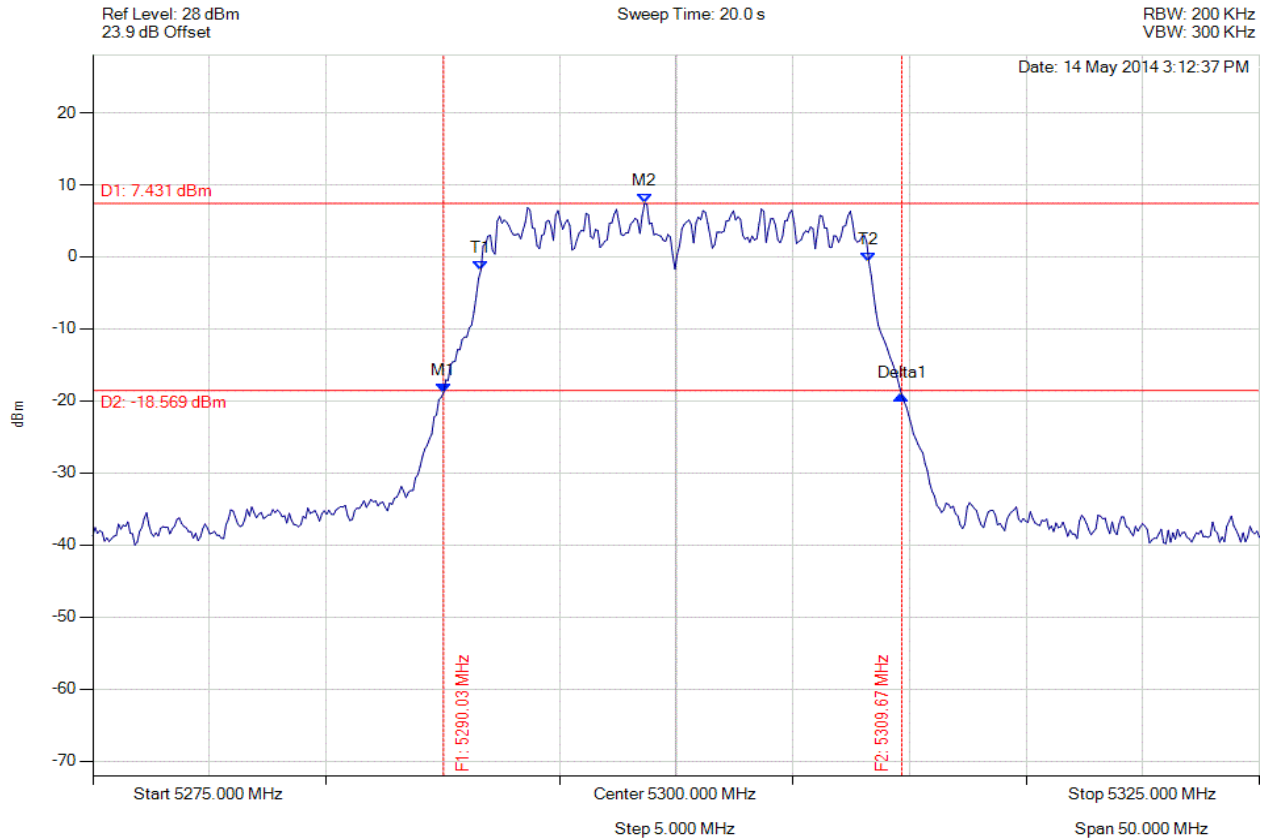

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.130 MHz : -19.004 dBm M2 : 5261.152 MHz : 7.050 dBm Delta1 : 19.840 MHz : -1.395 dB T1 : 5251.633 MHz : -0.015 dBm T2 : 5268.267 MHz : -1.975 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.840 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

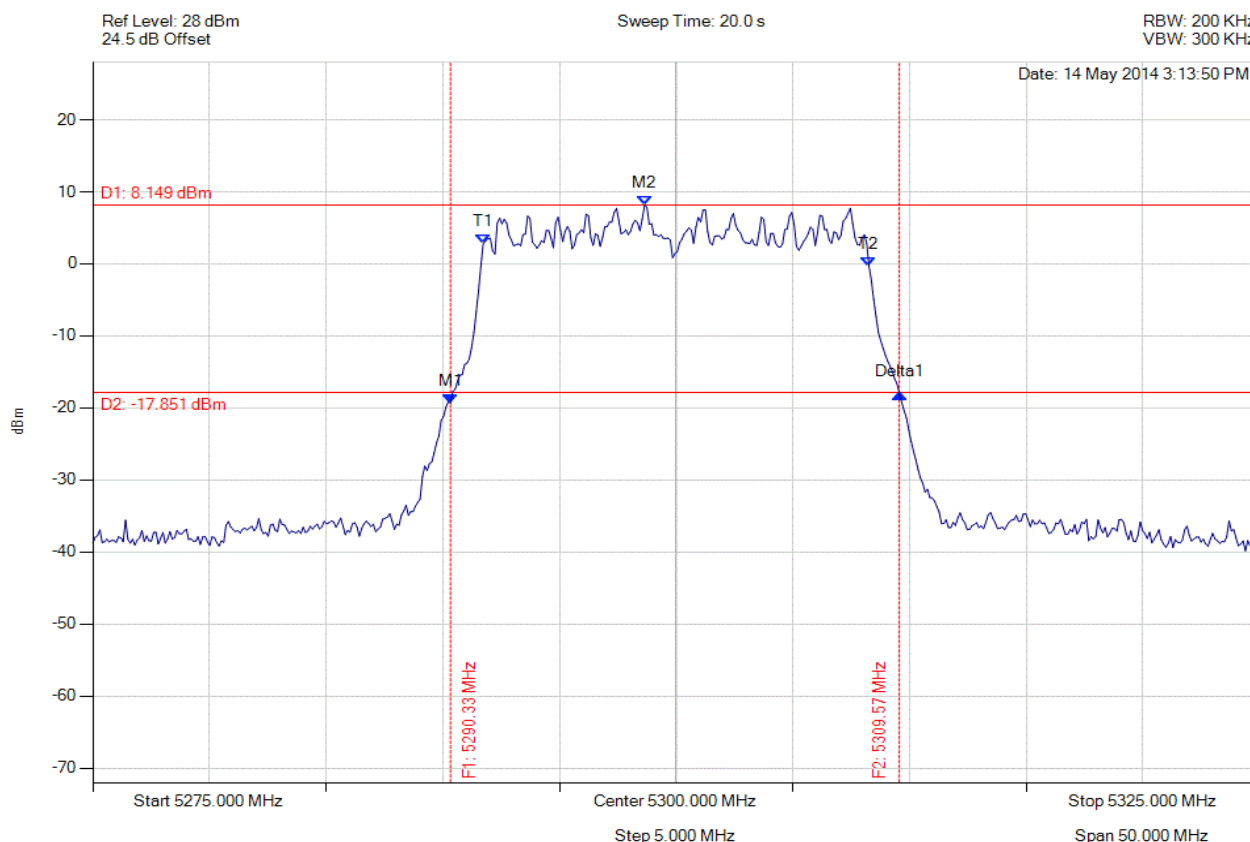Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.030 MHz : -18.849 dBm M2 : 5298.647 MHz : 7.431 dBm Delta1 : 19.639 MHz : -0.311 dB T1 : 5291.633 MHz : -1.829 dBm T2 : 5308.267 MHz : -0.773 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.639 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

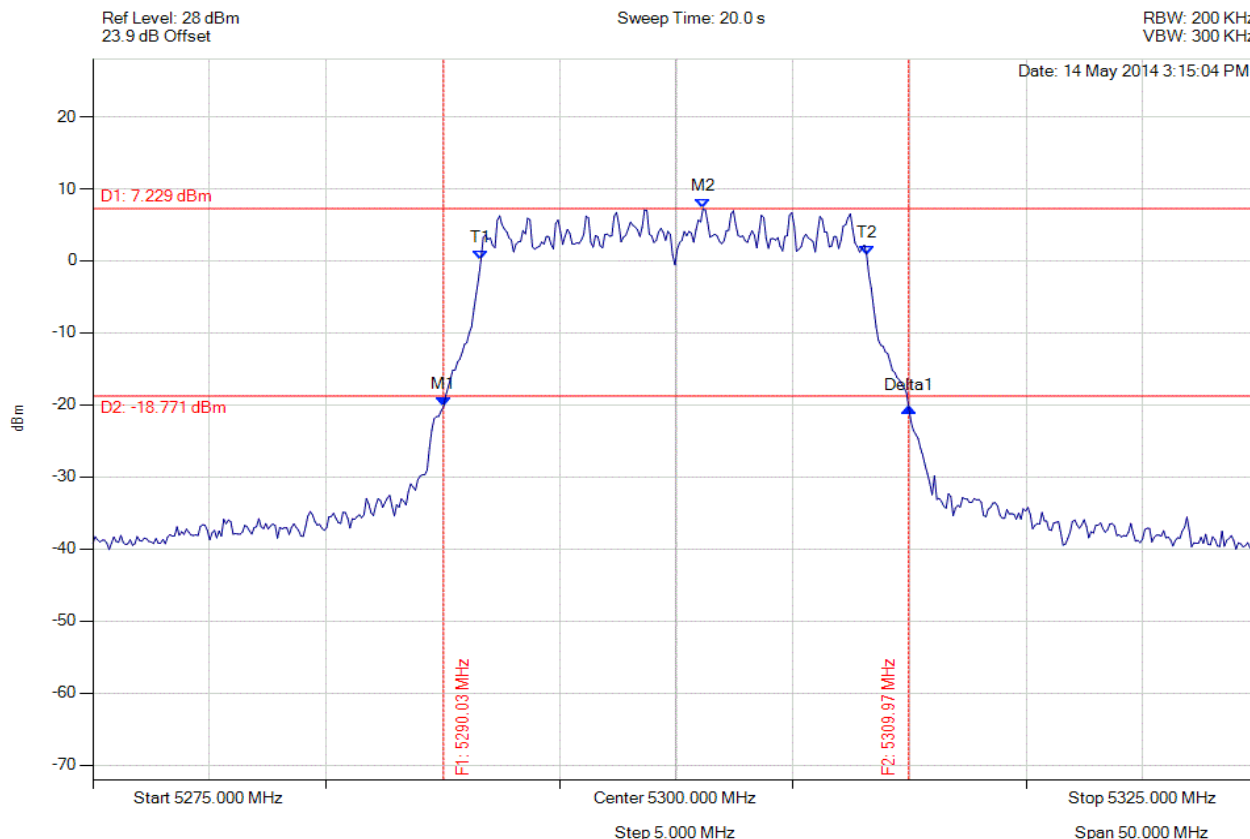Variant: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.331 MHz : -19.325 dBm M2 : 5298.647 MHz : 8.149 dBm Delta1 : 19.238 MHz : 1.322 dB T1 : 5291.733 MHz : 2.794 dBm T2 : 5308.267 MHz : -0.306 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.238 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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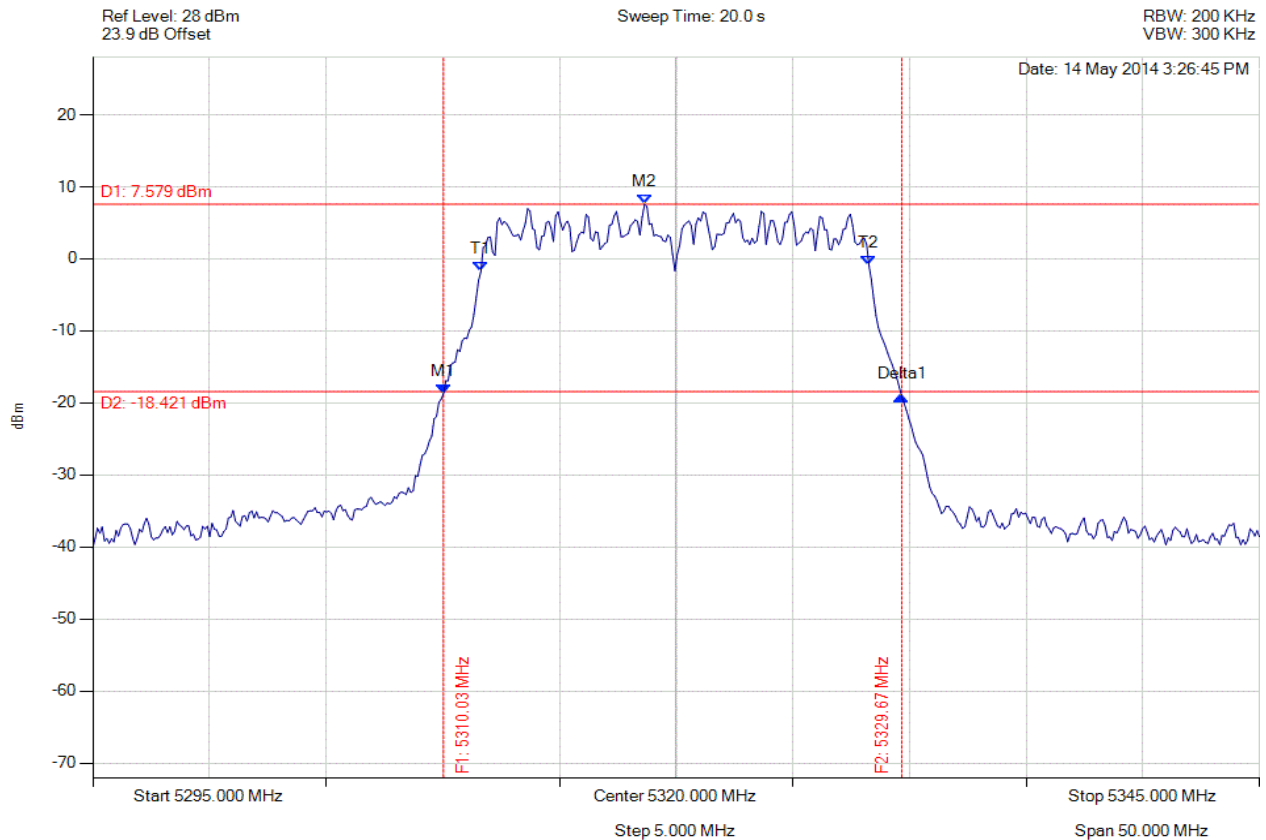

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.030 MHz : -20.277 dBm M2 : 5301.152 MHz : 7.229 dBm Delta1 : 19.940 MHz : -0.150 dB T1 : 5291.633 MHz : 0.089 dBm T2 : 5308.166 MHz : 0.795 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

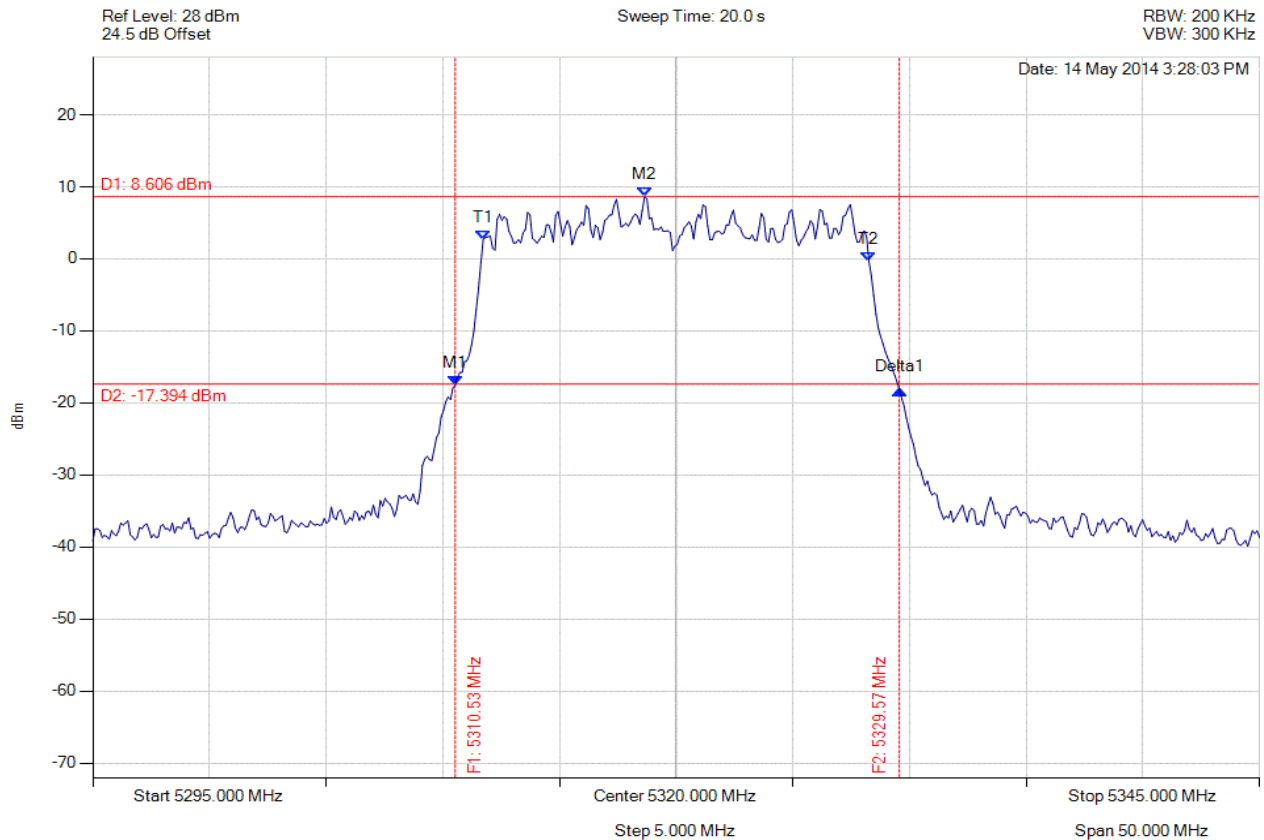Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.030 MHz : -18.681 dBm M2 : 5318.647 MHz : 7.579 dBm Delta1 : 19.639 MHz : -0.441 dB T1 : 5311.633 MHz : -1.752 dBm T2 : 5328.267 MHz : -0.922 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.639 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

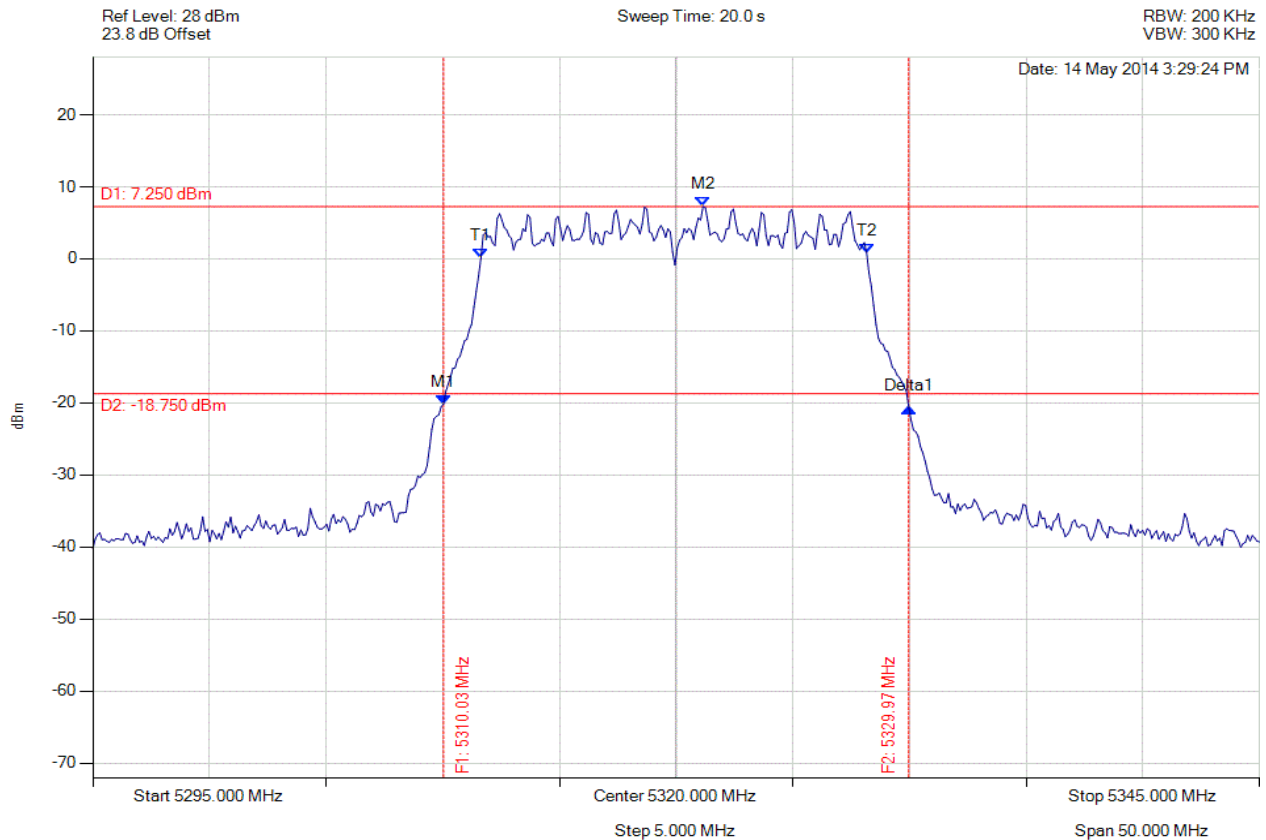Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.531 MHz : -17.515 dBm M2 : 5318.647 MHz : 8.606 dBm Delta1 : 19.038 MHz : -0.614 dB T1 : 5311.733 MHz : 2.694 dBm T2 : 5328.267 MHz : -0.375 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.038 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

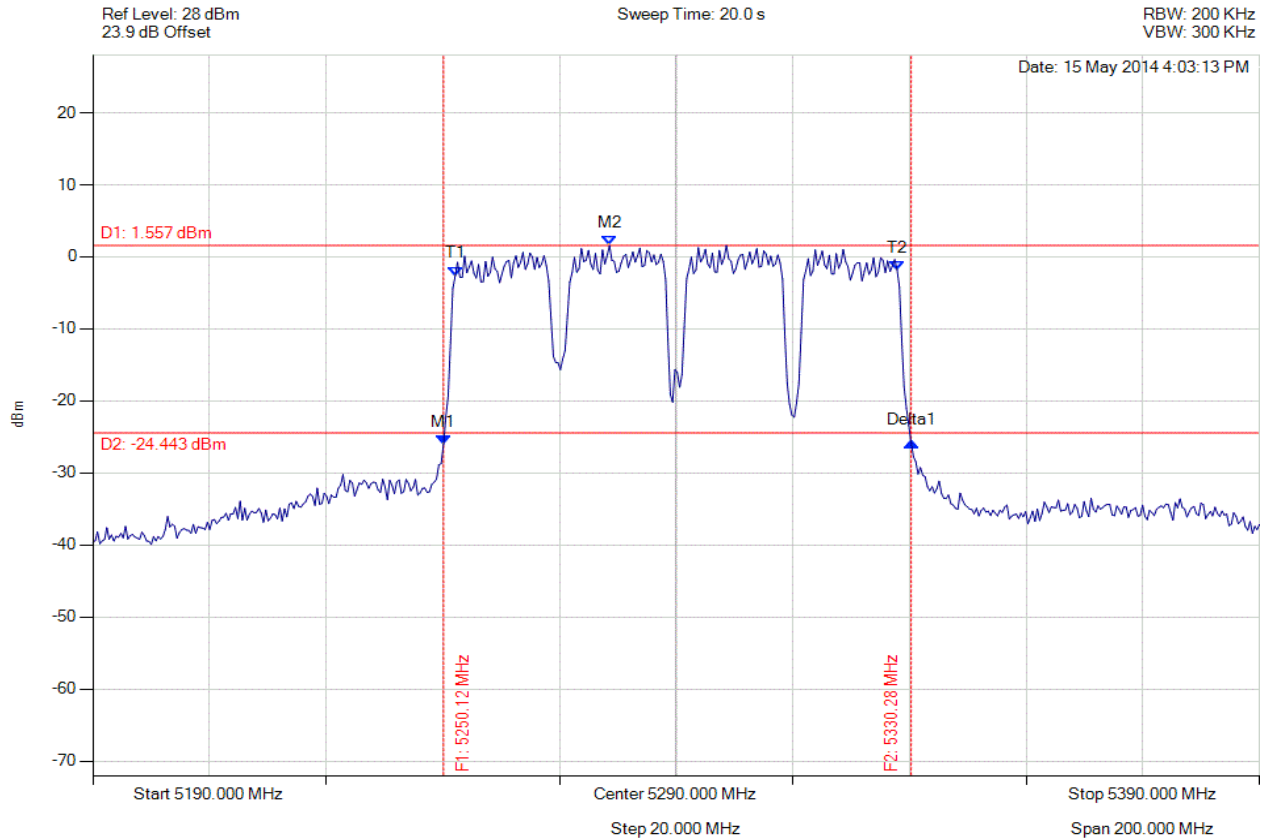Variant: 802.11a, Channel: 5320.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.030 MHz : -20.145 dBm M2 : 5321.152 MHz : 7.250 dBm Delta1 : 19.940 MHz : -0.525 dB T1 : 5311.633 MHz : 0.101 dBm T2 : 5328.166 MHz : 0.780 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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

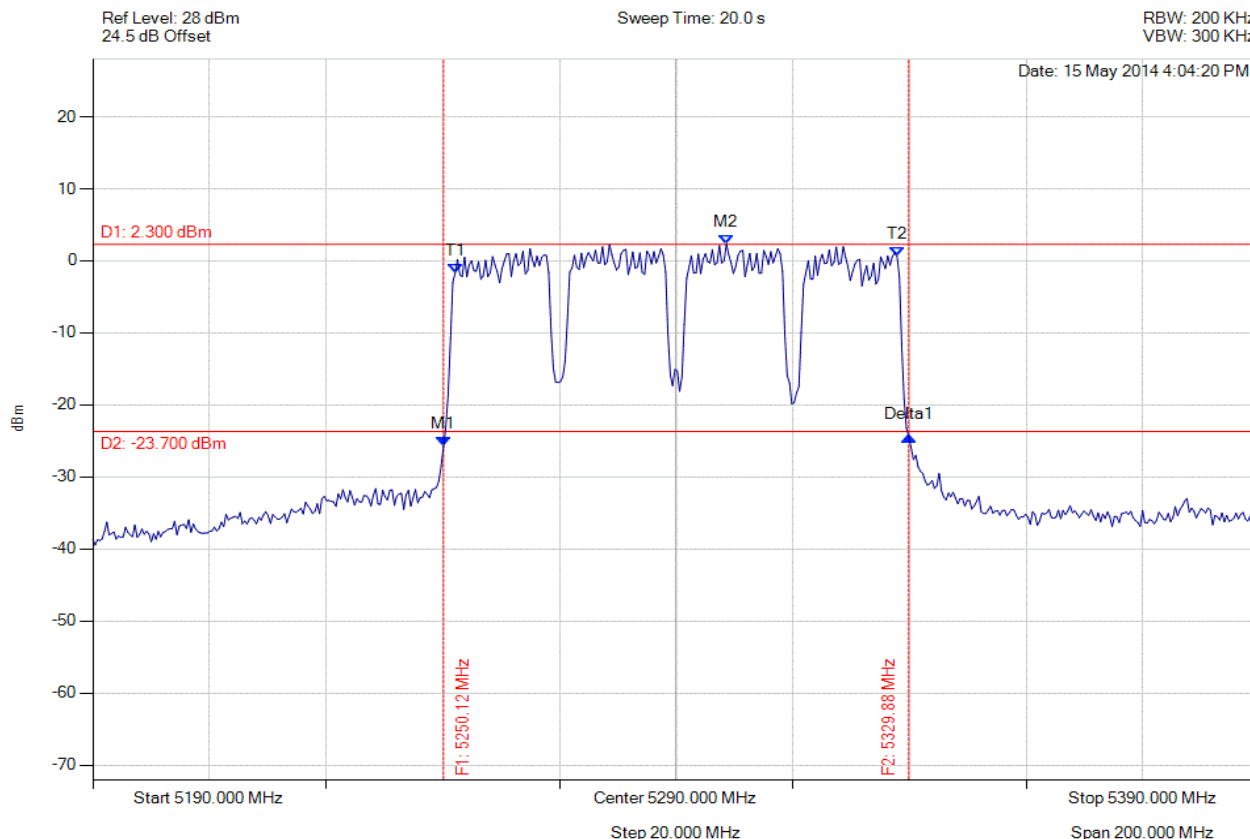| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.120 MHz : -26.010 dBm M2 : 5278.577 MHz : 1.557 dBm Delta1 : 80.160 MHz : 0.232 dB T1 : 5252.124 MHz : -2.626 dBm T2 : 5327.876 MHz : -1.807 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.160 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

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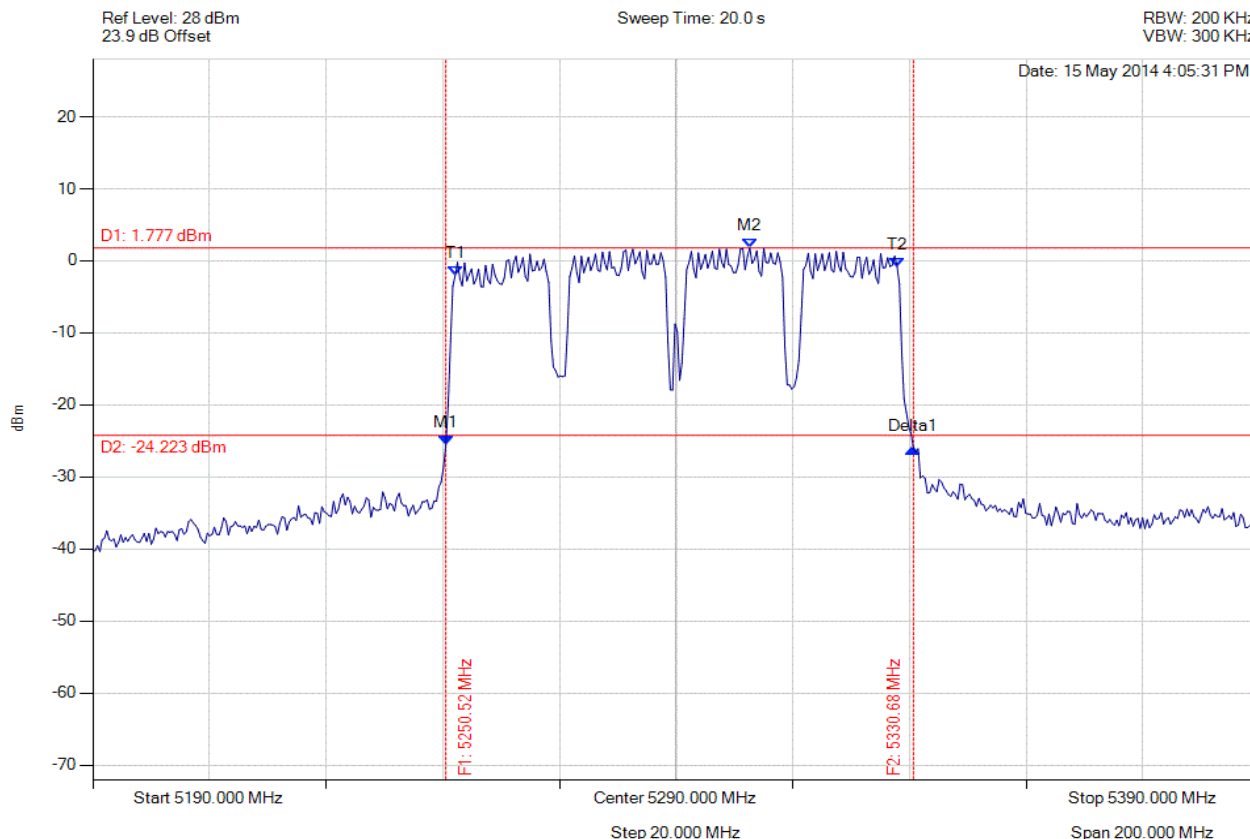

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.120 MHz : -25.780 dBm M2 : 5298.617 MHz : 2.300 dBm Delta1 : 79.760 MHz : 1.373 dB T1 : 5252.124 MHz : -1.674 dBm T2 : 5327.876 MHz : 0.612 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 79.760 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

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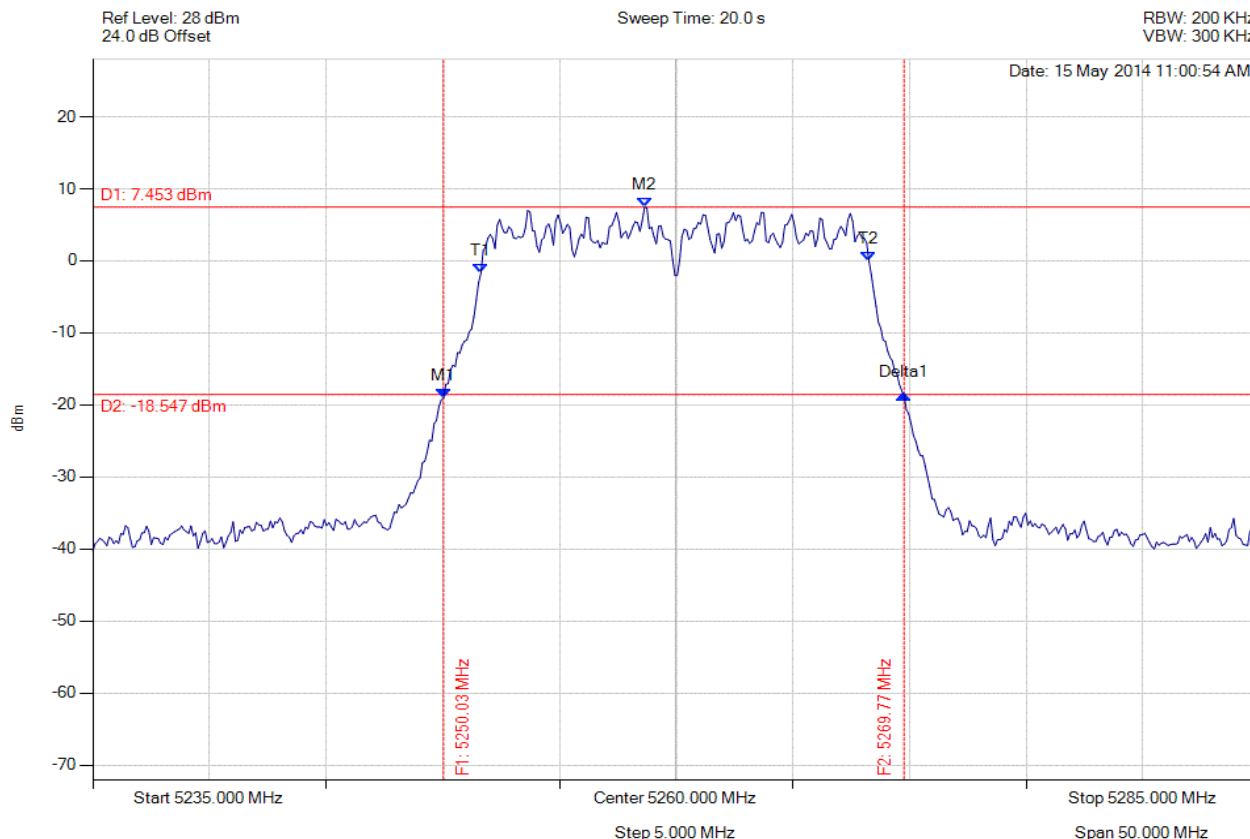

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.521 MHz : -25.502 dBm M2 : 5302.625 MHz : 1.777 dBm Delta1 : 80.160 MHz : -0.559 dB T1 : 5252.124 MHz : -2.022 dBm T2 : 5327.876 MHz : -0.808 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.160 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

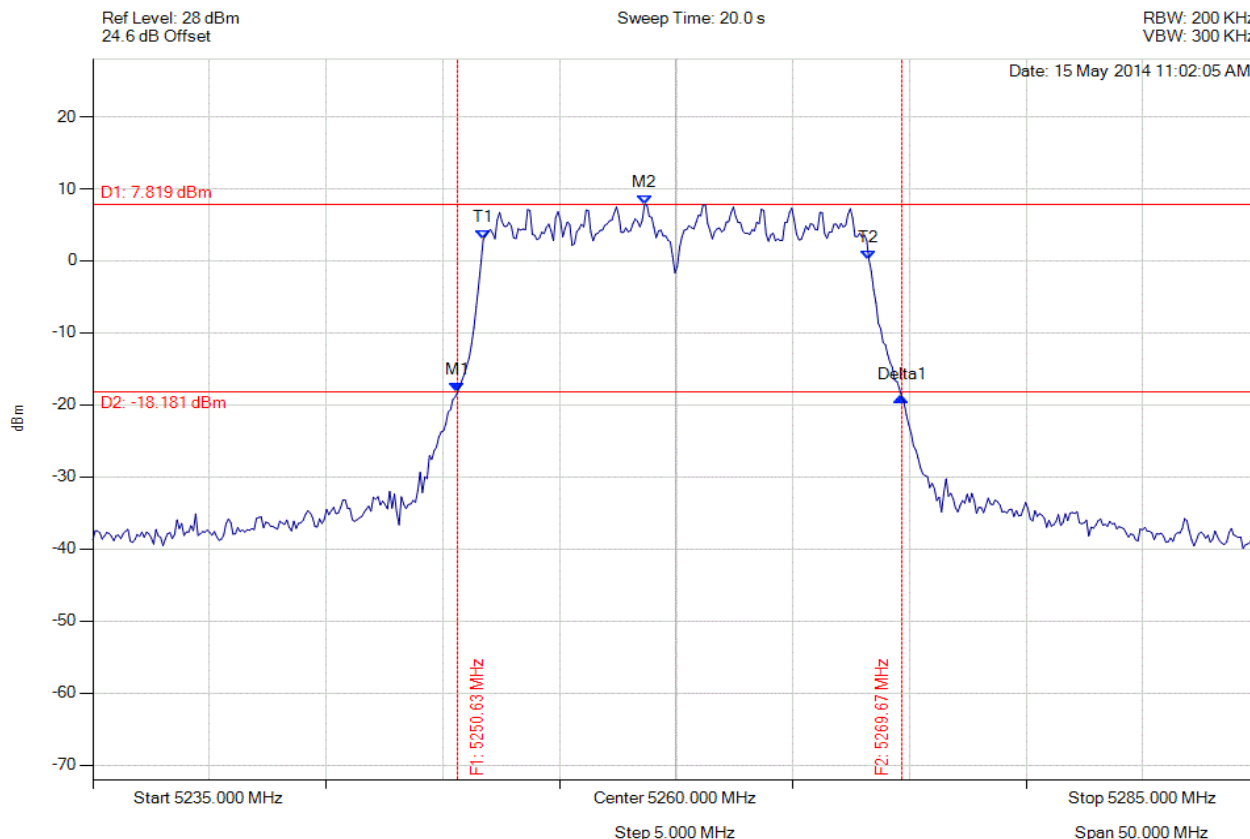Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc
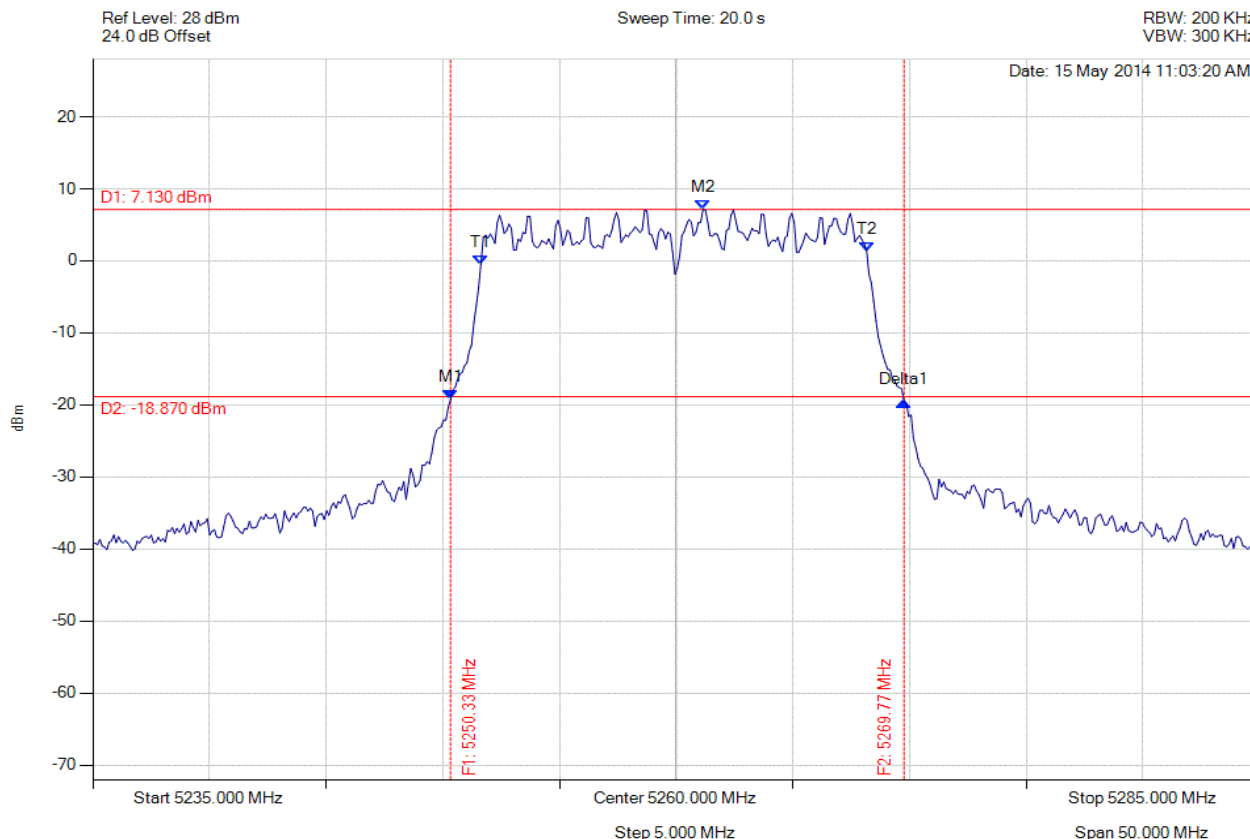

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.030 MHz : -19.026 dBm M2 : 5258.647 MHz : 7.453 dBm Delta1 : 19.739 MHz : 0.407 dB T1 : 5251.633 MHz : -1.691 dBm T2 : 5268.267 MHz : -0.100 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.739 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.631 MHz : -18.258 dBm M2 : 5258.647 MHz : 7.819 dBm Delta1 : 19.038 MHz : -0.665 dB T1 : 5251.733 MHz : 2.950 dBm T2 : 5268.267 MHz : 0.158 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.038 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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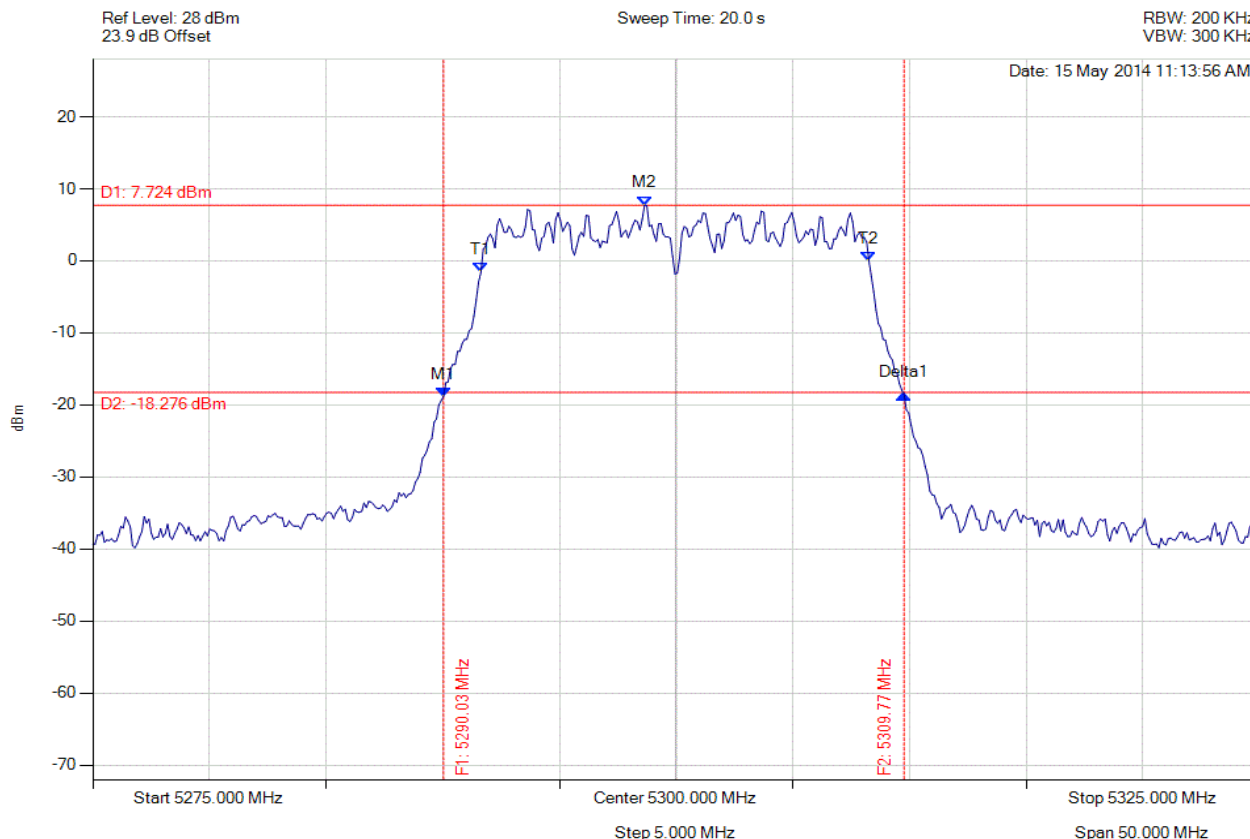

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.331 MHz : -19.289 dBm M2 : 5261.152 MHz : 7.130 dBm Delta1 : 19.439 MHz : -0.256 dB T1 : 5251.633 MHz : -0.474 dBm T2 : 5268.166 MHz : 1.368 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.439 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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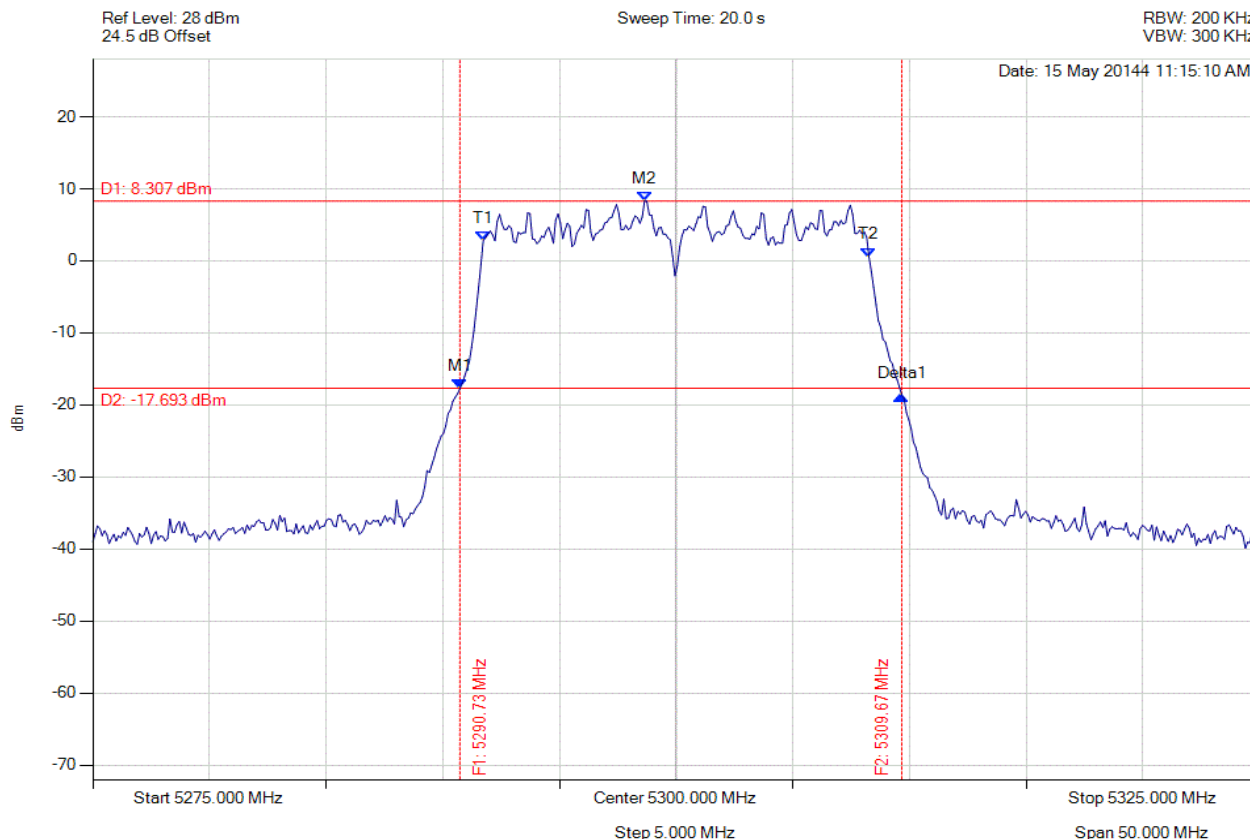

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.030 MHz : -18.823 dBm M2 : 5298.647 MHz : 7.724 dBm Delta1 : 19.739 MHz : 0.260 dB T1 : 5291.633 MHz : -1.601 dBm T2 : 5308.267 MHz : -0.068 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.739 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

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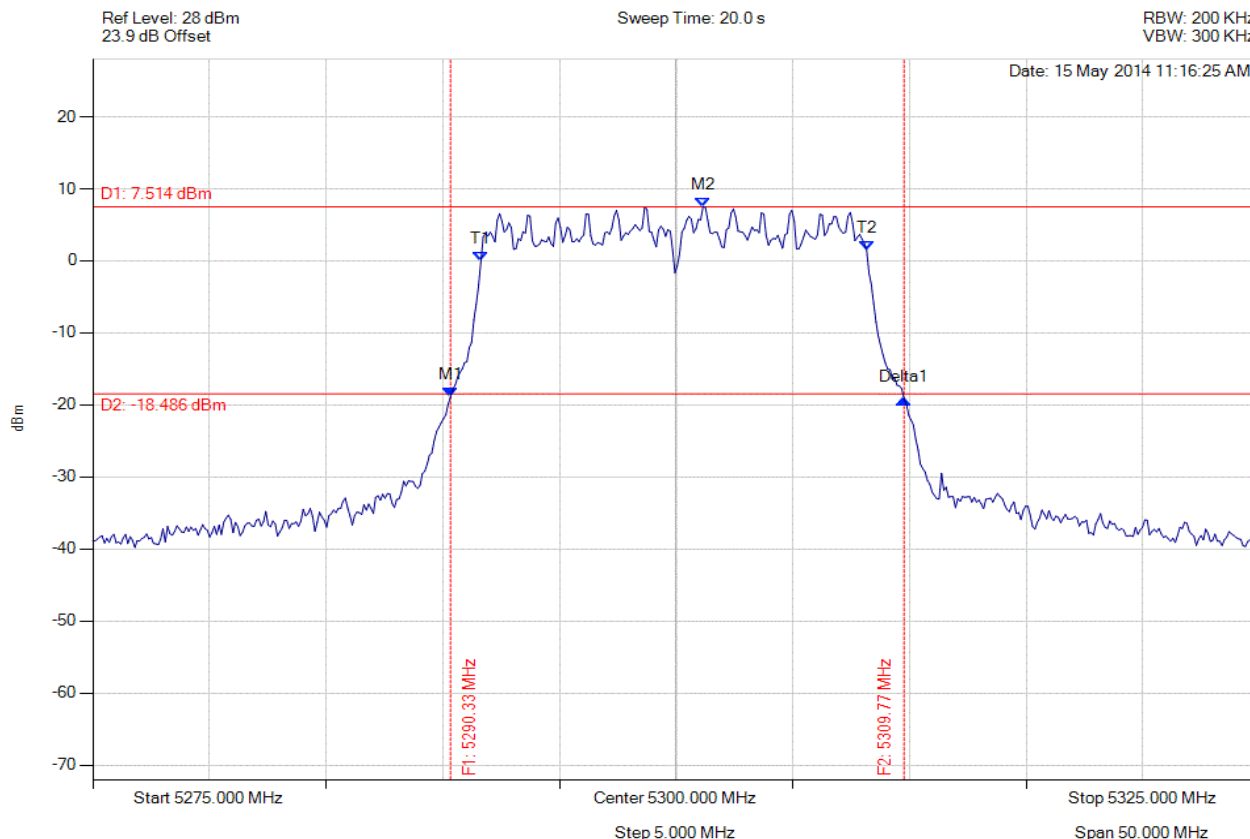

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.731 MHz : -17.731 dBm M2 : 5298.647 MHz : 8.307 dBm Delta1 : 18.938 MHz : -0.950 dB T1 : 5291.733 MHz : 2.794 dBm T2 : 5308.267 MHz : 0.551 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 18.938 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

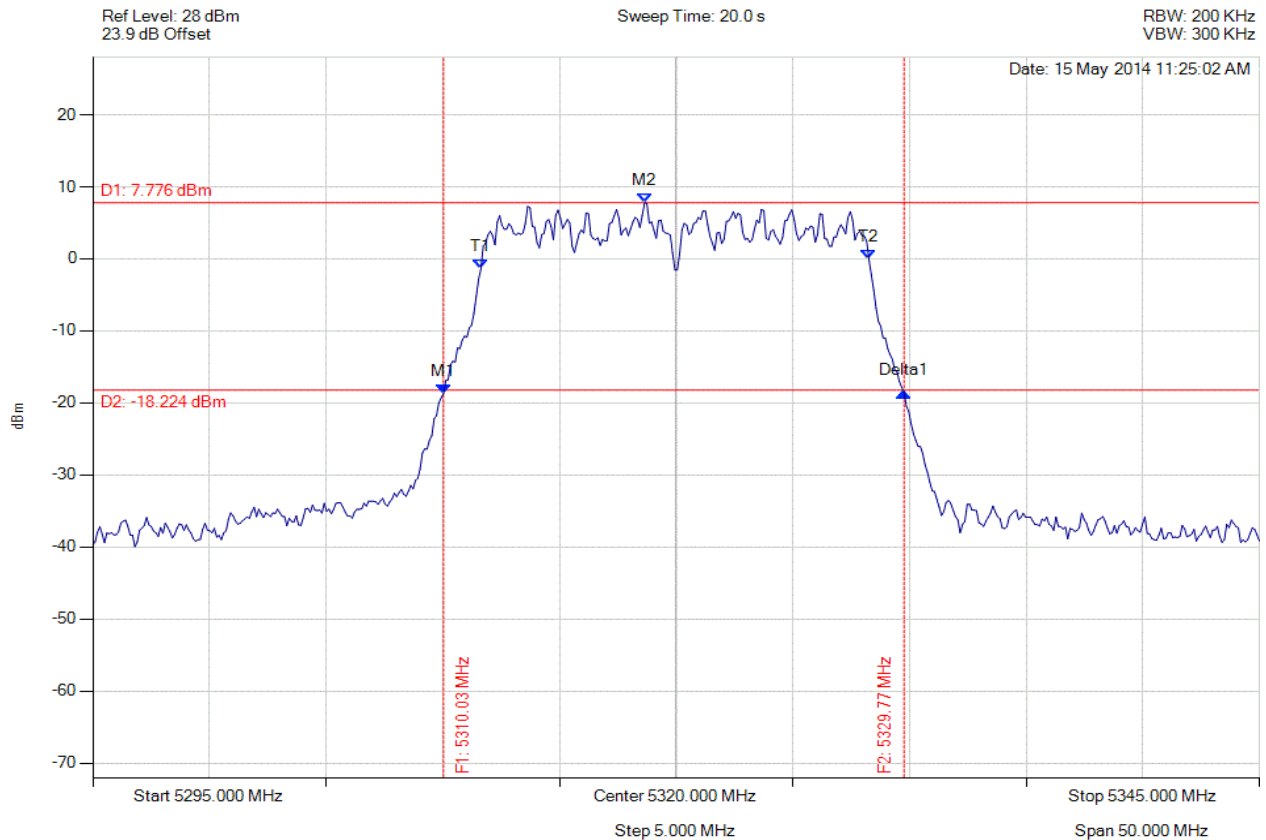Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc
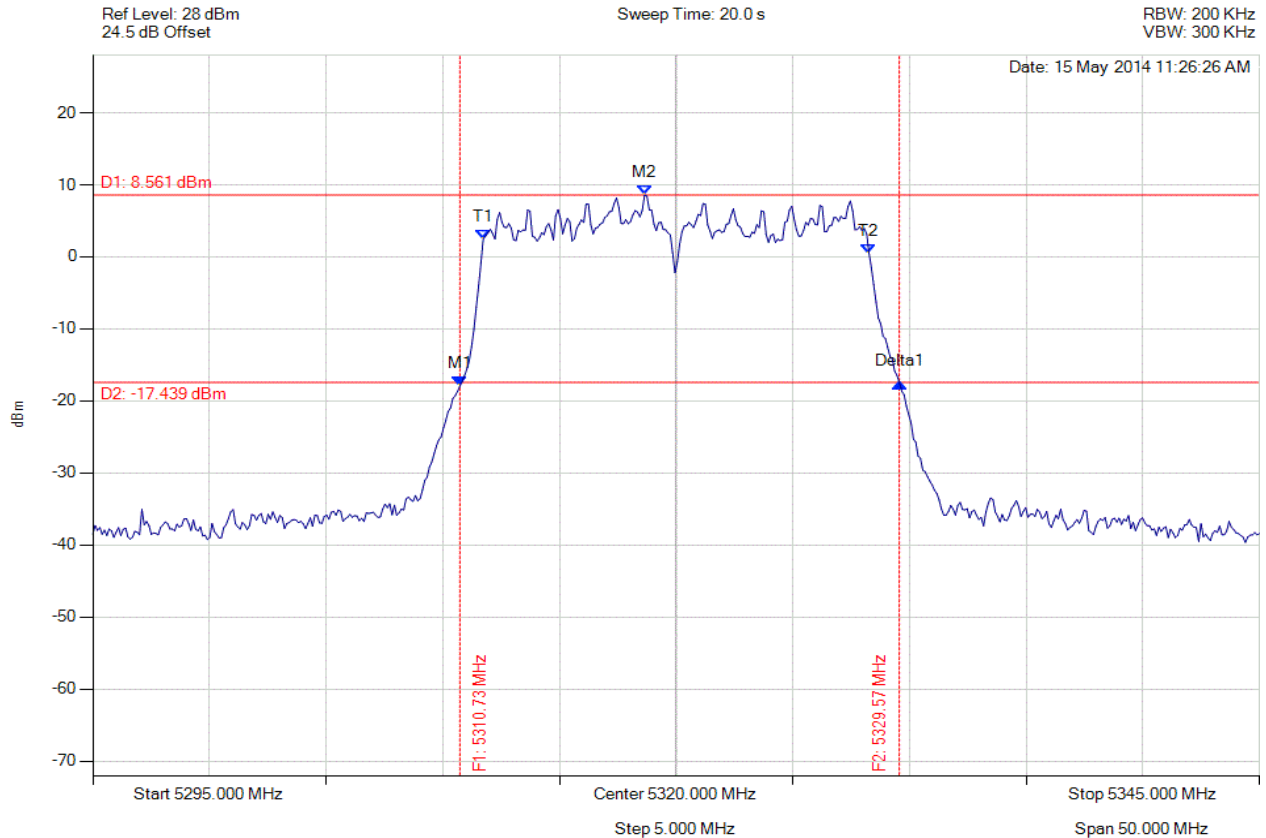

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.331 MHz : -18.894 dBm M2 : 5301.152 MHz : 7.514 dBm Delta1 : 19.439 MHz : -0.325 dB T1 : 5291.633 MHz : -0.045 dBm T2 : 5308.166 MHz : 1.433 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.439 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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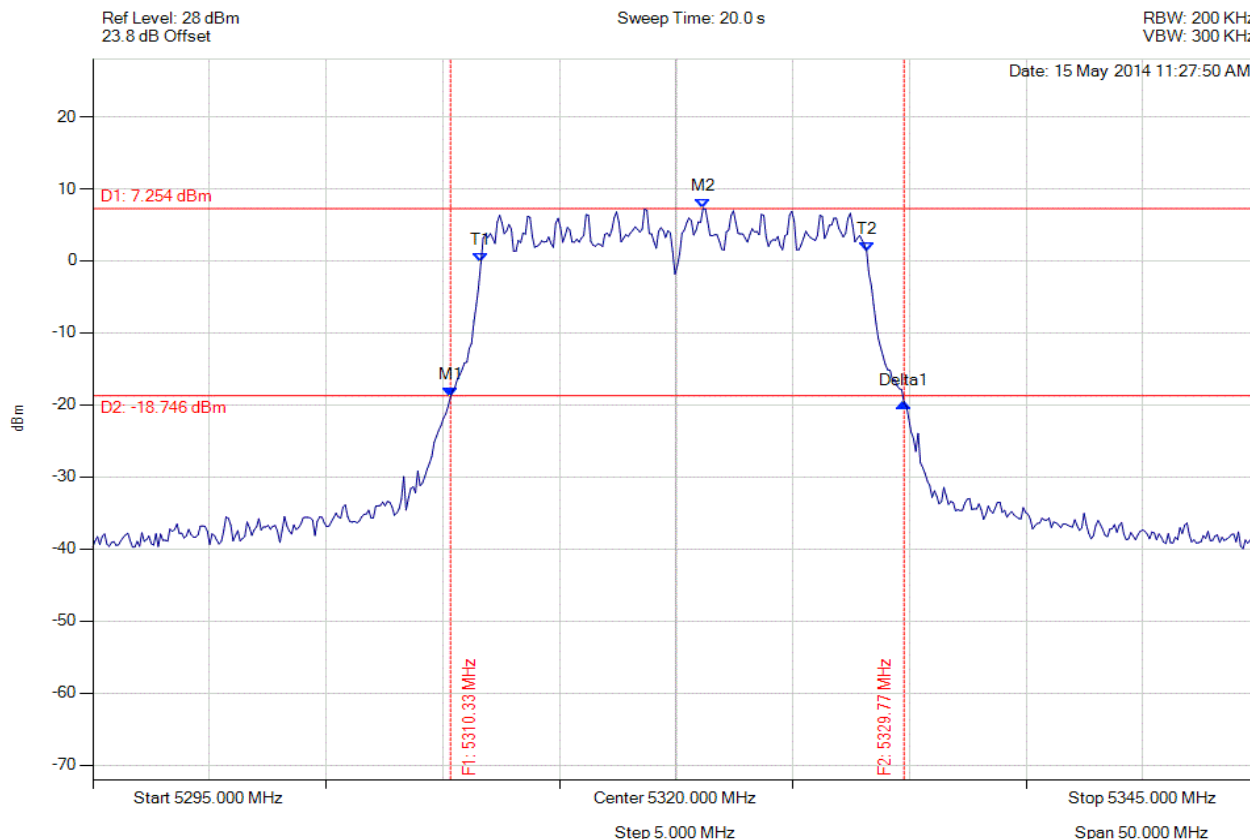

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.030 MHz : -18.654 dBm M2 : 5318.647 MHz : 7.776 dBm Delta1 : 19.739 MHz : 0.130 dB T1 : 5311.633 MHz : -1.430 dBm T2 : 5328.267 MHz : -0.106 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.739 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

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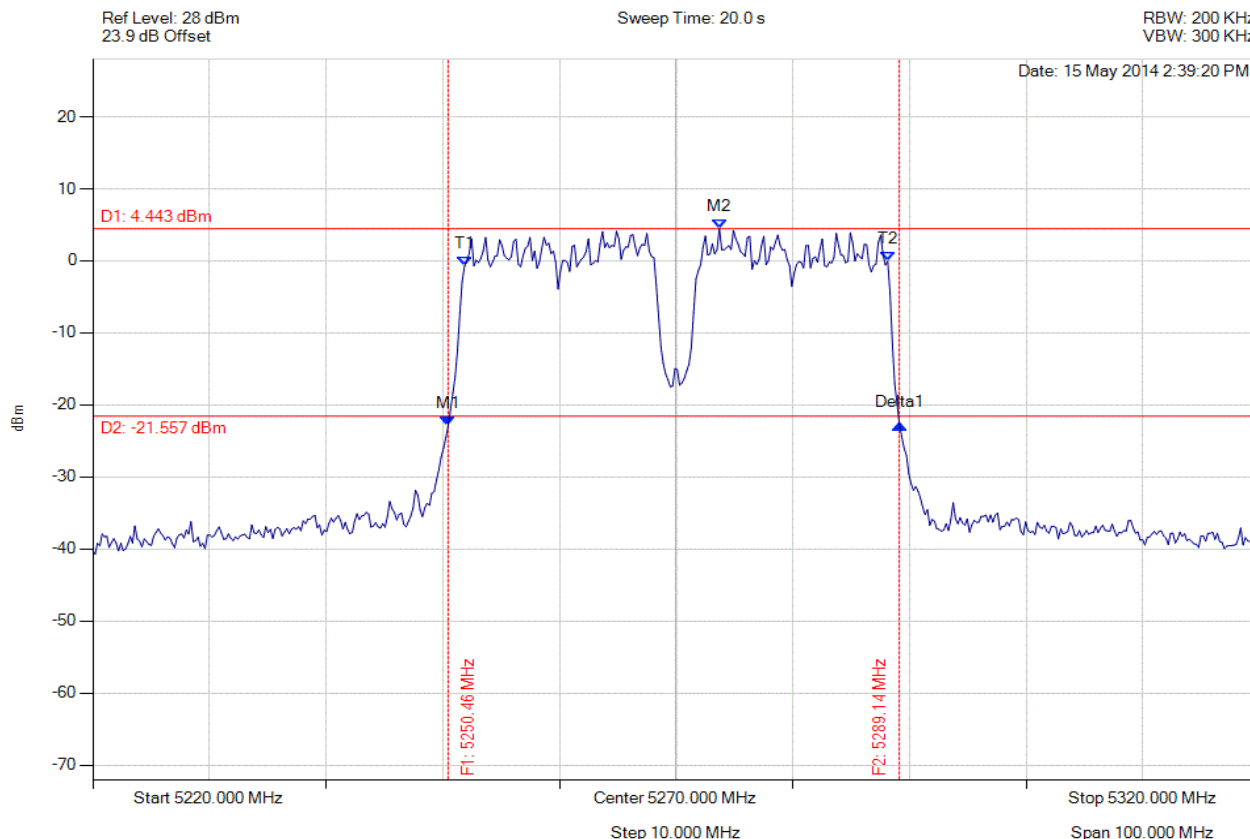

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.731 MHz : -17.946 dBm M2 : 5318.647 MHz : 8.561 dBm Delta1 : 18.838 MHz : 0.462 dB T1 : 5311.733 MHz : 2.452 dBm T2 : 5328.267 MHz : 0.534 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 18.838 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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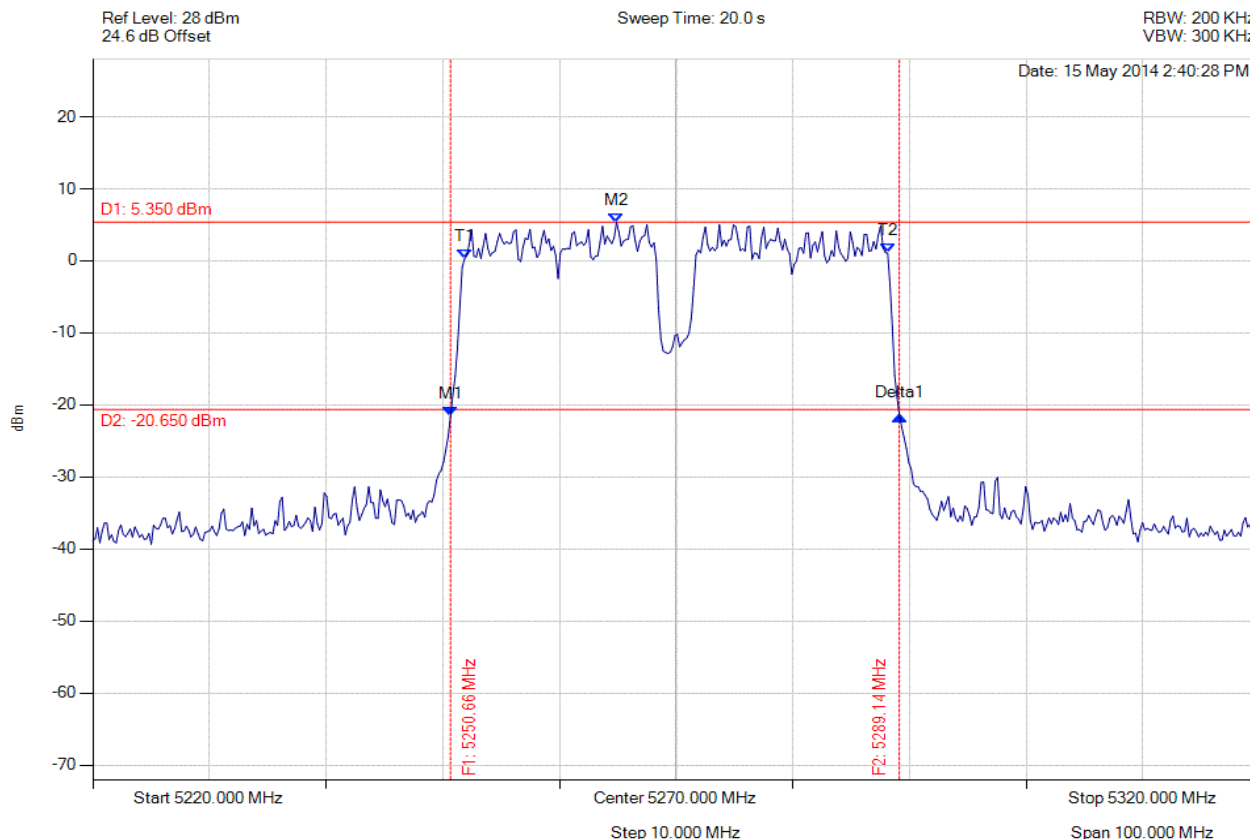

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.331 MHz : -18.914 dBm M2 : 5321.152 MHz : 7.254 dBm Delta1 : 19.439 MHz : -0.809 dB T1 : 5311.633 MHz : -0.261 dBm T2 : 5328.166 MHz : 1.283 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.439 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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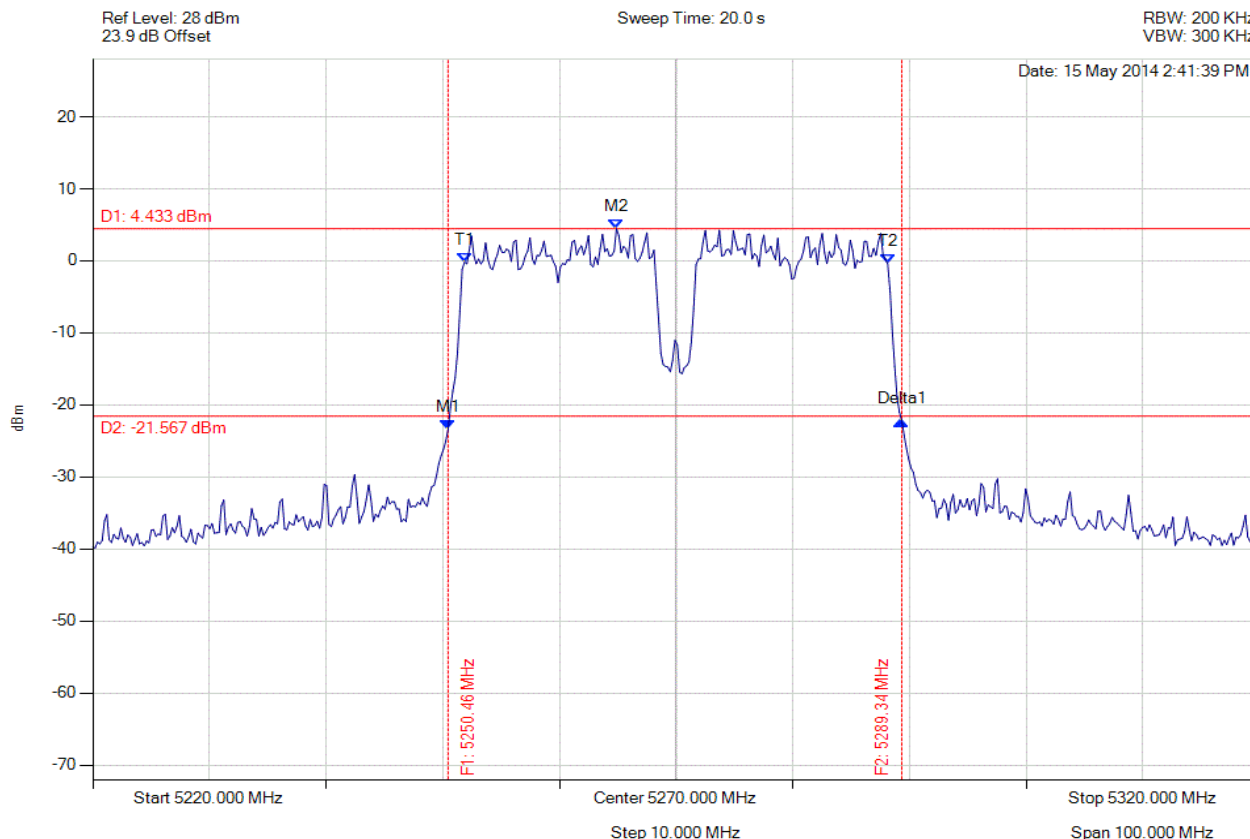

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.461 MHz : -22.913 dBm M2 : 5273.707 MHz : 4.443 dBm Delta1 : 38.677 MHz : 0.246 dB T1 : 5251.864 MHz : -0.729 dBm T2 : 5288.136 MHz : -0.041 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.677 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: 12 Vdc

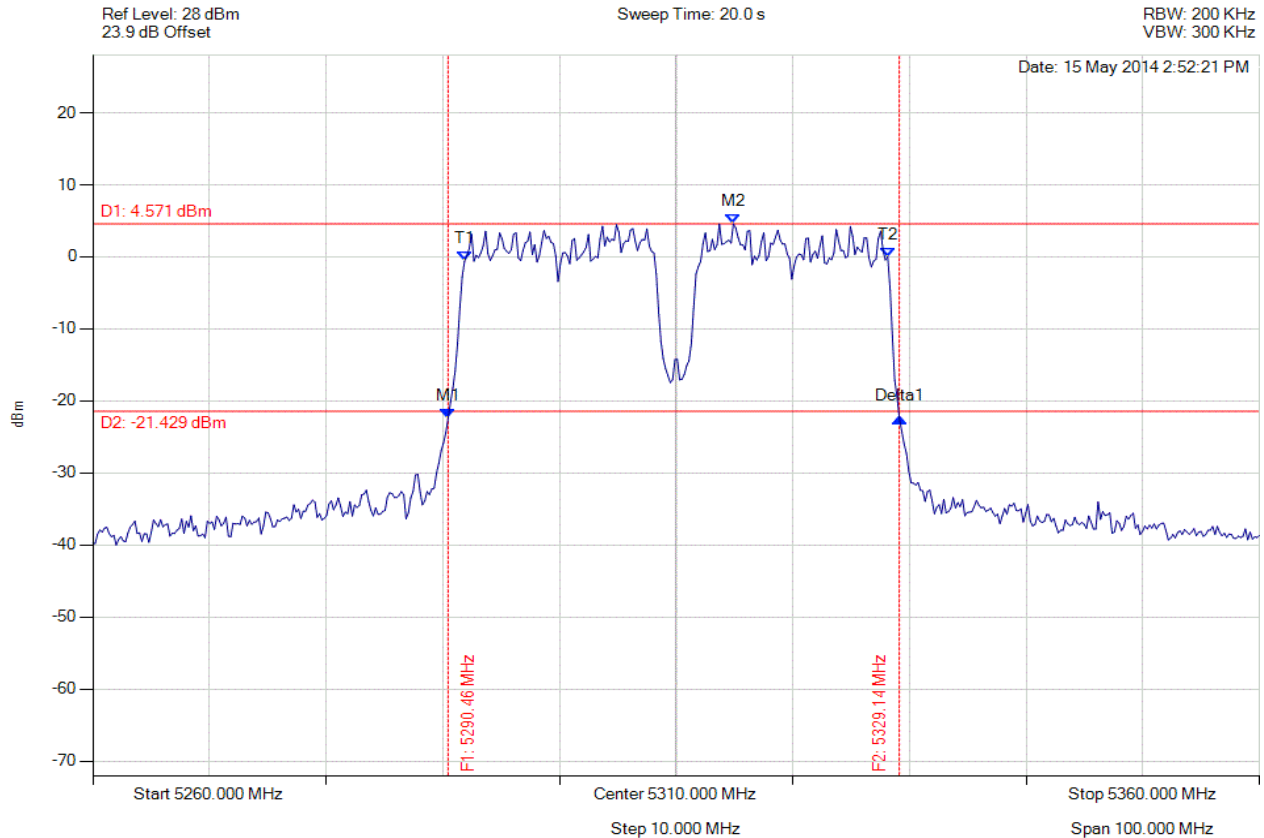| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.661 MHz : -21.564 dBm M2 : 5264.890 MHz : 5.350 dBm Delta1 : 38.477 MHz : 0.100 dB T1 : 5251.864 MHz : 0.302 dBm T2 : 5288.136 MHz : 1.055 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.477 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 c, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5250.461 MHz : -23.376 dBm M2 : 5264.890 MHz : 4.433 dBm Delta1 : 38.878 MHz : 1.182 dB T1 : 5251.864 MHz : -0.180 dBm T2 : 5288.136 MHz : -0.409 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.878 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 a, Temp: Ambient, Voltage: 12 Vdc
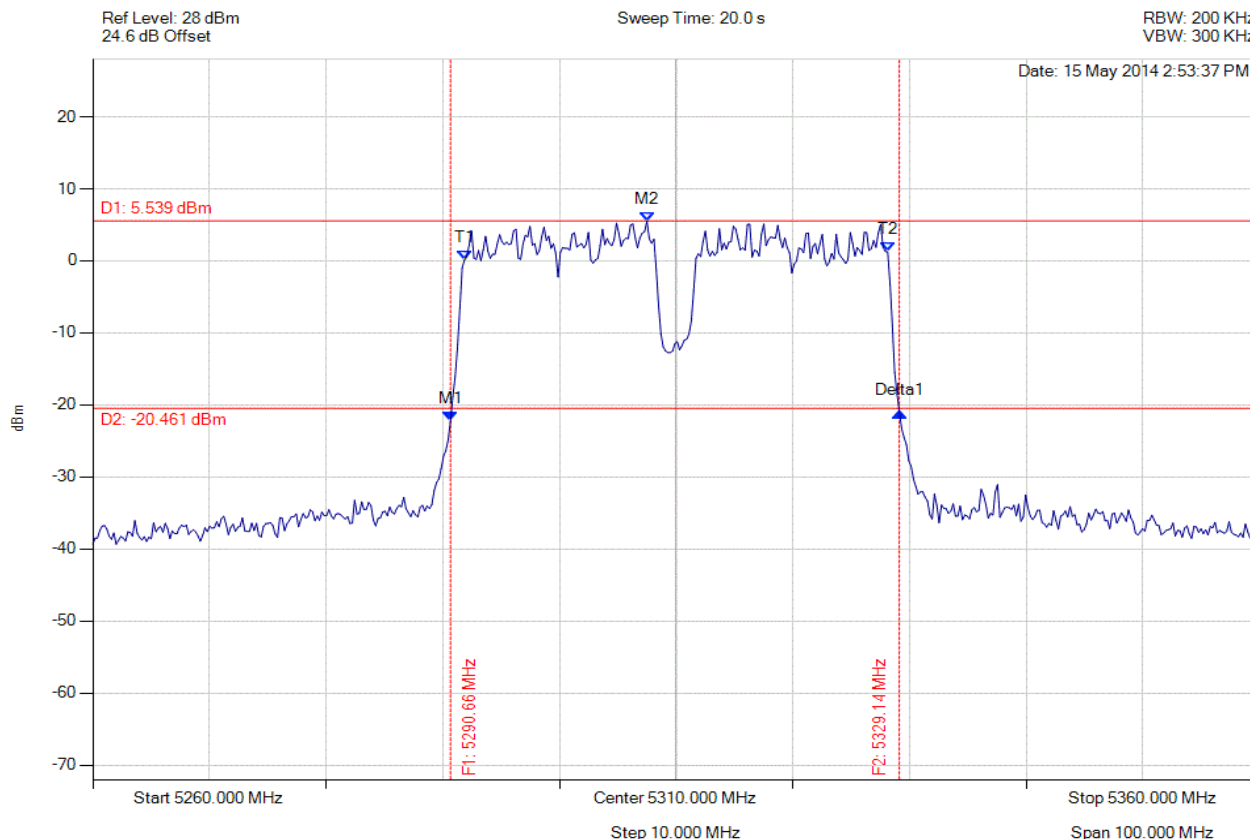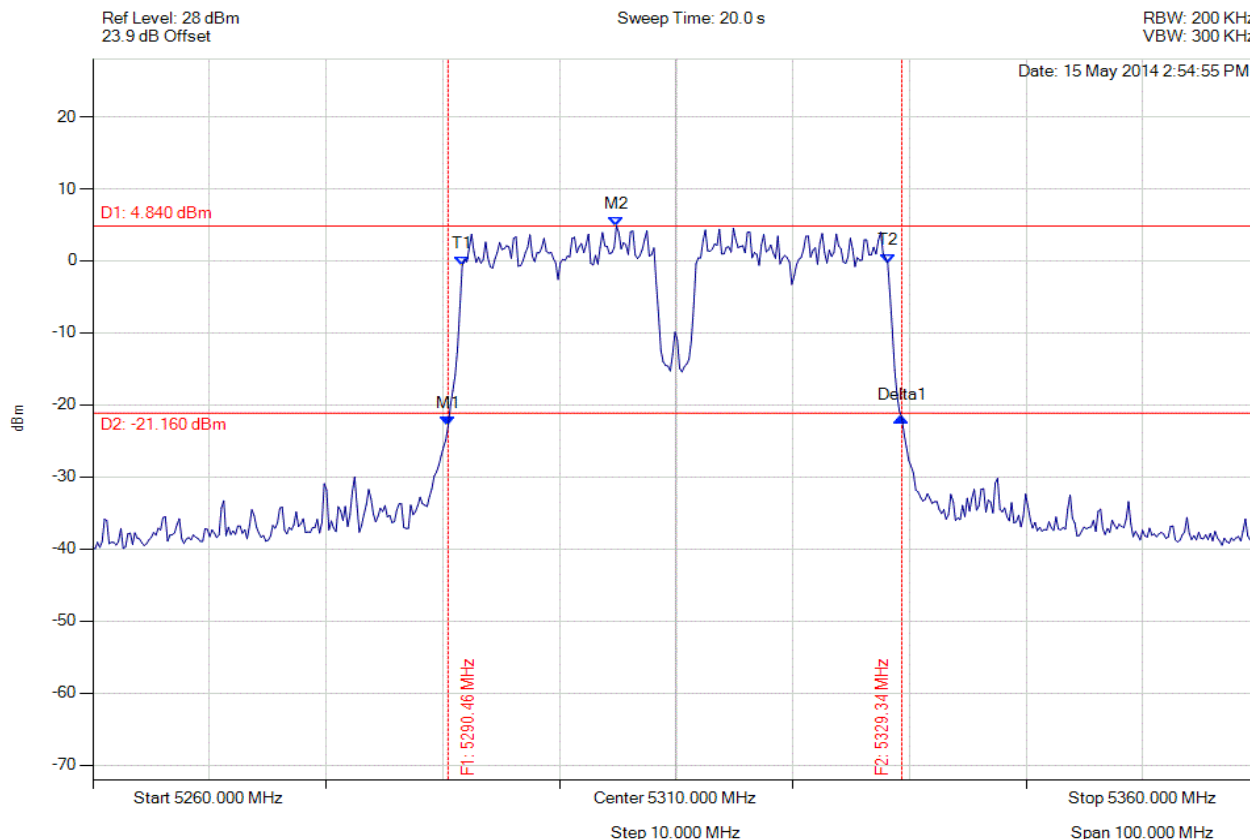

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.461 MHz : -22.419 dBm M2 : 5314.910 MHz : 4.571 dBm Delta1 : 38.677 MHz : -0.028 dB T1 : 5291.864 MHz : -0.607 dBm T2 : 5328.136 MHz : 0.014 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.677 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 b, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.661 MHz : -22.274 dBm M2 : 5307.495 MHz : 5.539 dBm Delta1 : 38.477 MHz : 1.224 dB T1 : 5291.864 MHz : 0.150 dBm T2 : 5328.136 MHz : 1.232 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.477 MHz Measured 99% Bandwidth: 36.273 MHz

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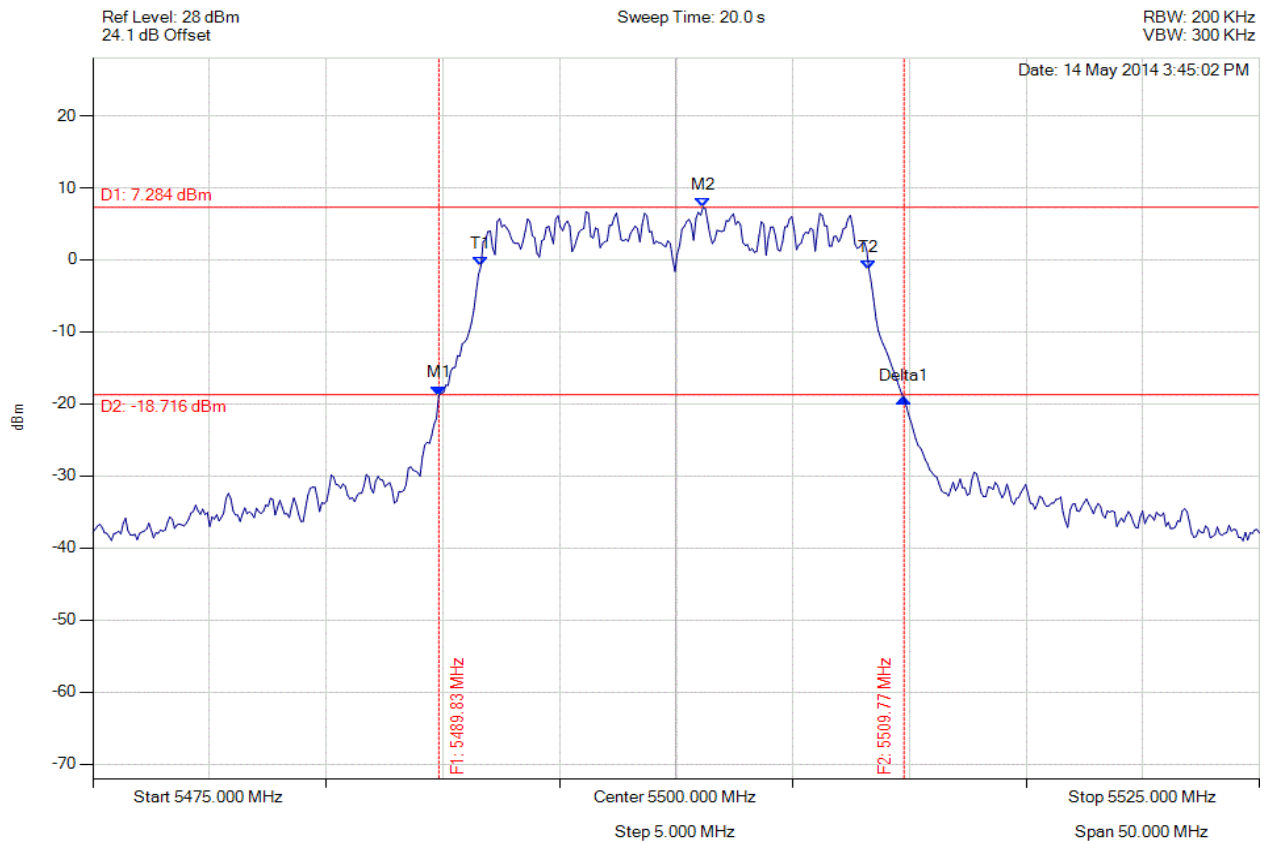
26 dB & 99% BANDWIDTH

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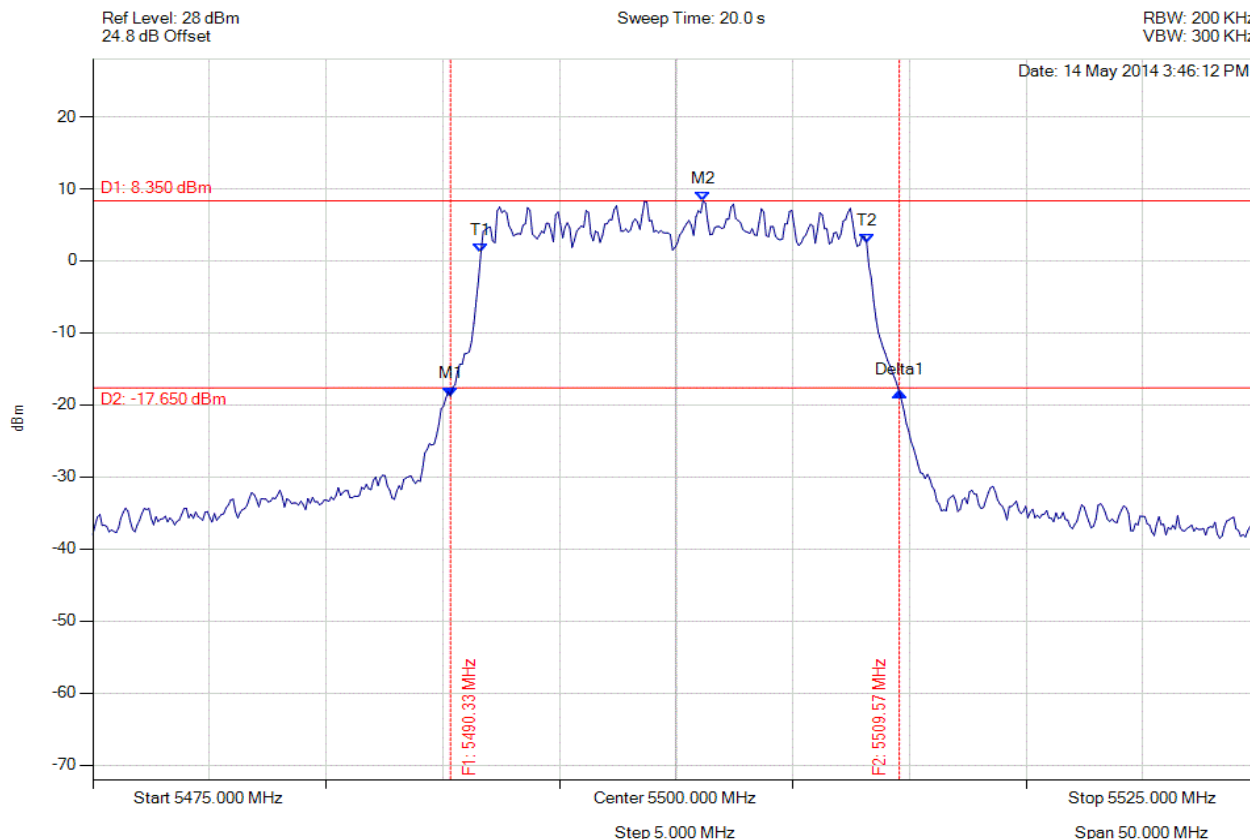

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.461 MHz : -22.945 dBm M2 : 5304.890 MHz : 4.840 dBm Delta1 : 38.878 MHz : 1.169 dB T1 : 5291.663 MHz : -0.727 dBm T2 : 5328.136 MHz : -0.281 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 38.878 MHz Measured 99% Bandwidth: 36.473 MHz

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26 dB & 99% BANDWIDTH

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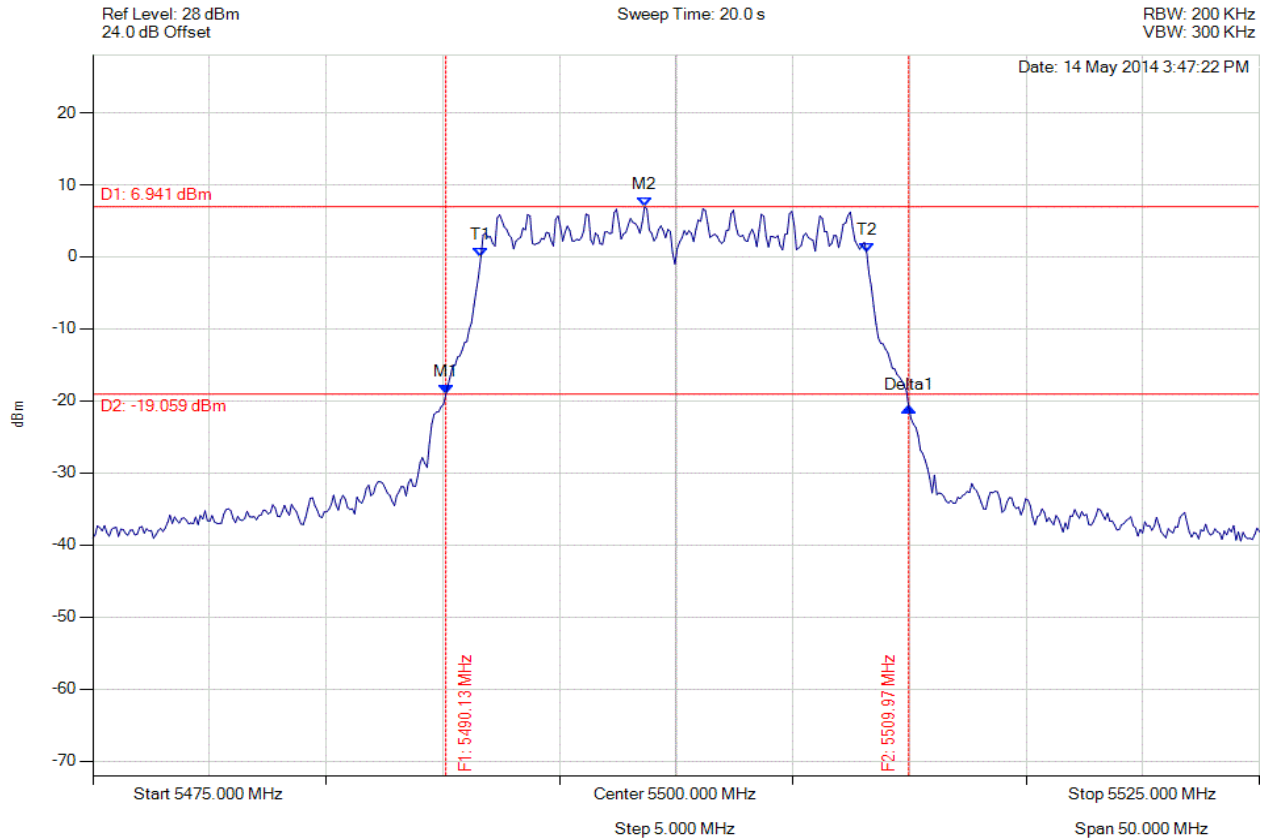

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5489.830 MHz : -18.796 dBm M2 : 5501.152 MHz : 7.284 dBm Delta1 : 19.940 MHz : -0.423 dB T1 : 5491.633 MHz : -0.887 dBm T2 : 5508.267 MHz : -1.355 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 16.633 MHz

Back to the Matrix

26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.331 MHz : -18.796 dBm M2 : 5501.152 MHz : 8.350 dBm Delta1 : 19.238 MHz : 0.547 dB T1 : 5491.633 MHz : 1.118 dBm T2 : 5508.166 MHz : 2.462 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.238 MHz Measured 99% Bandwidth: 16.533 MHz

Back to the Matrix

26 dB & 99% BANDWIDTH

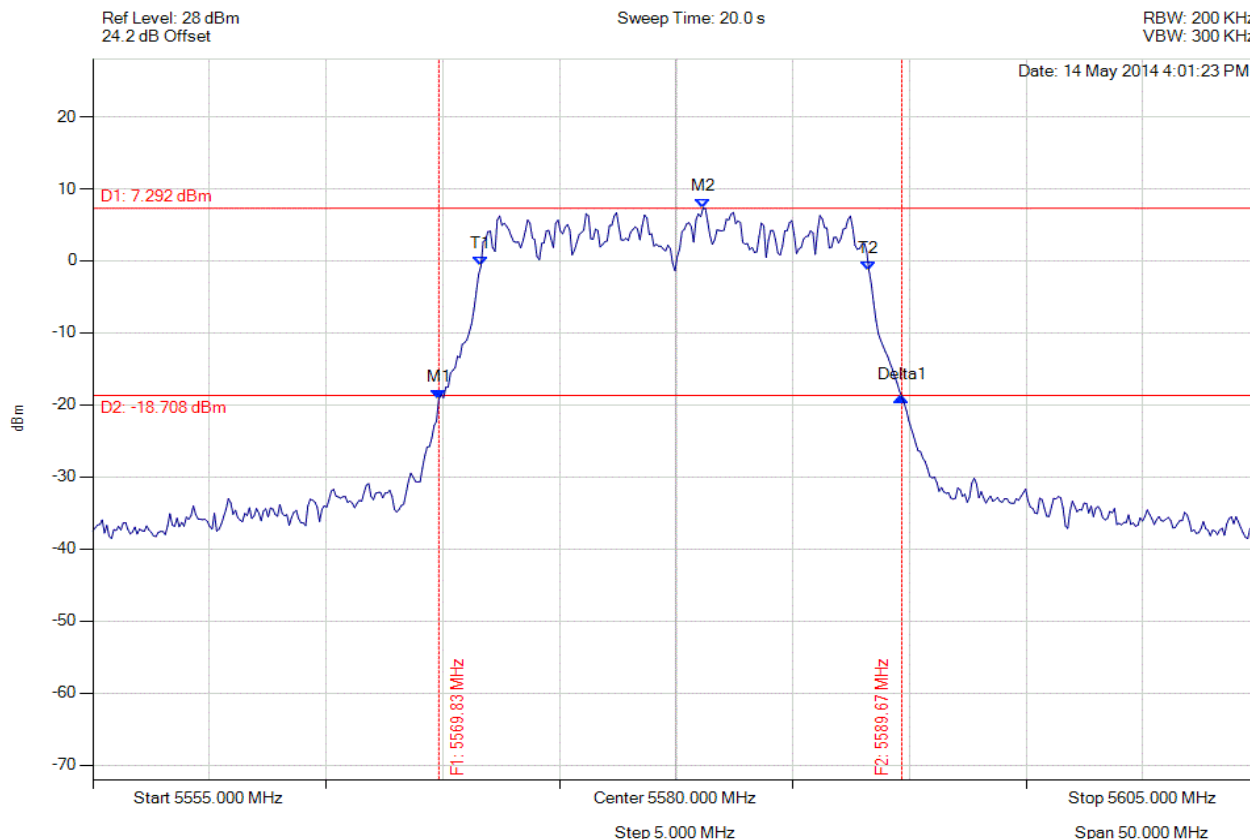Variant: 802.11a, Channel: 5500.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc
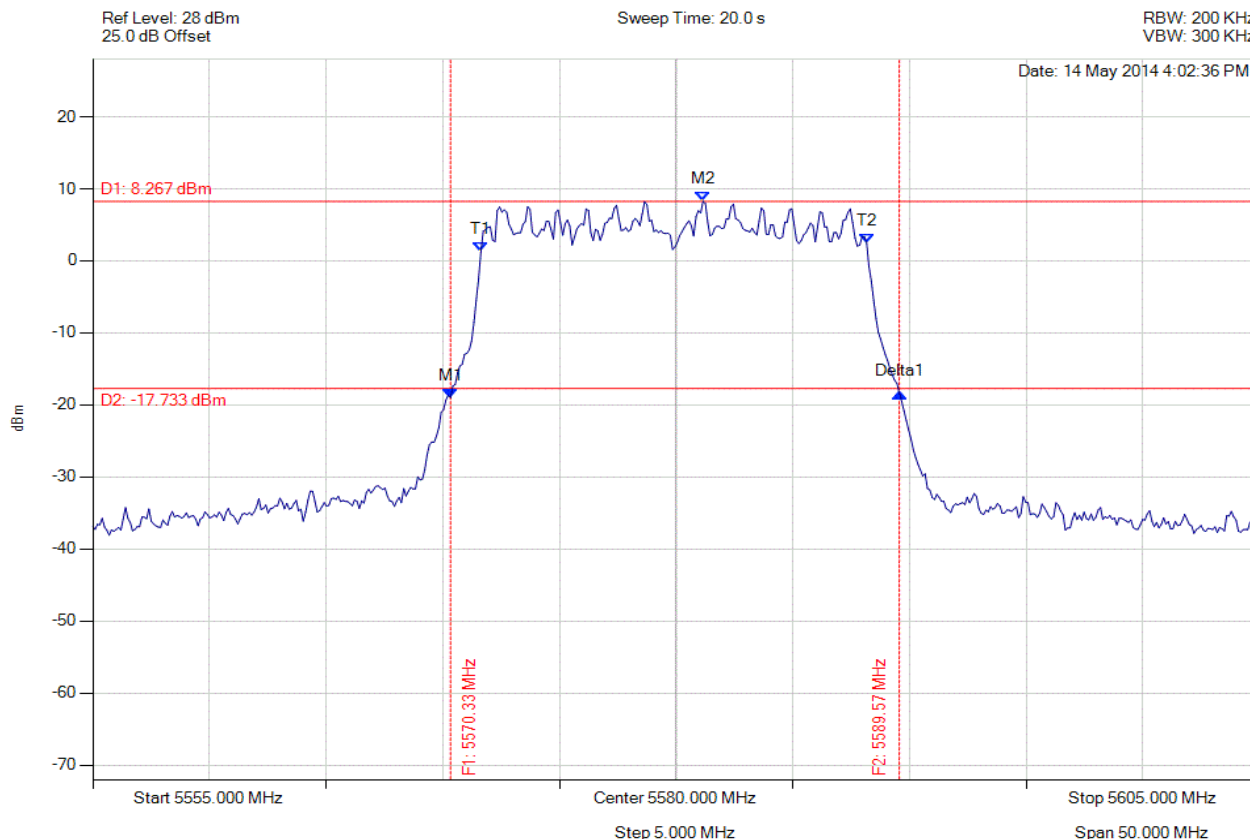

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.130 MHz : -19.106 dBm M2 : 5498.647 MHz : 6.941 dBm Delta1 : 19.840 MHz : -1.847 dB T1 : 5491.633 MHz : -0.009 dBm T2 : 5508.166 MHz : 0.597 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.840 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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

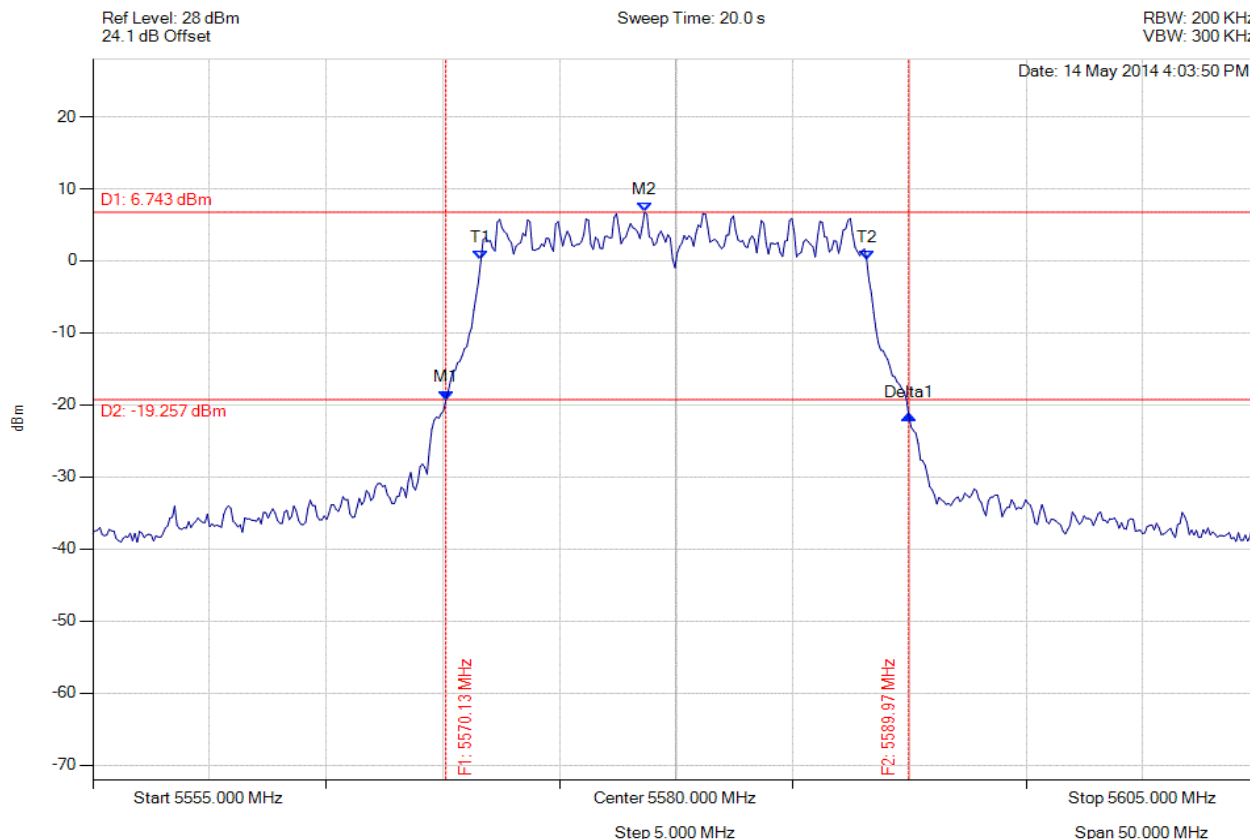| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5569.830 MHz : -19.161 dBm M2 : 5581.152 MHz : 7.292 dBm Delta1 : 19.840 MHz : 0.281 dB T1 : 5571.633 MHz : -0.769 dBm T2 : 5588.267 MHz : -1.306 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.840 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

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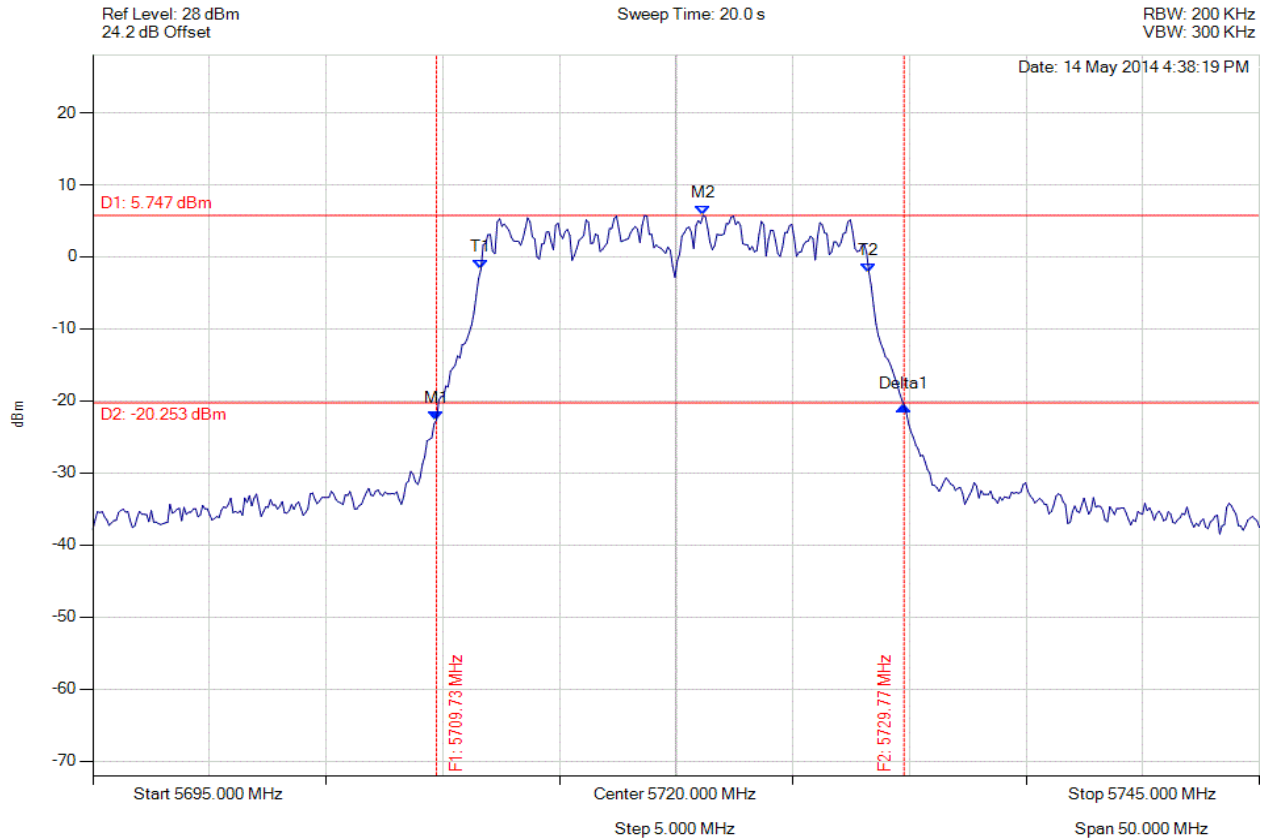

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5570.331 MHz : -19.000 dBm M2 : 5581.152 MHz : 8.267 dBm Delta1 : 19.238 MHz : 0.618 dB T1 : 5571.633 MHz : 1.266 dBm T2 : 5588.166 MHz : 2.422 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.238 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5570.130 MHz : -19.305 dBm M2 : 5578.647 MHz : 6.743 dBm Delta1 : 19.840 MHz : -2.144 dB T1 : 5571.633 MHz : 0.103 dBm T2 : 5588.166 MHz : 0.113 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.840 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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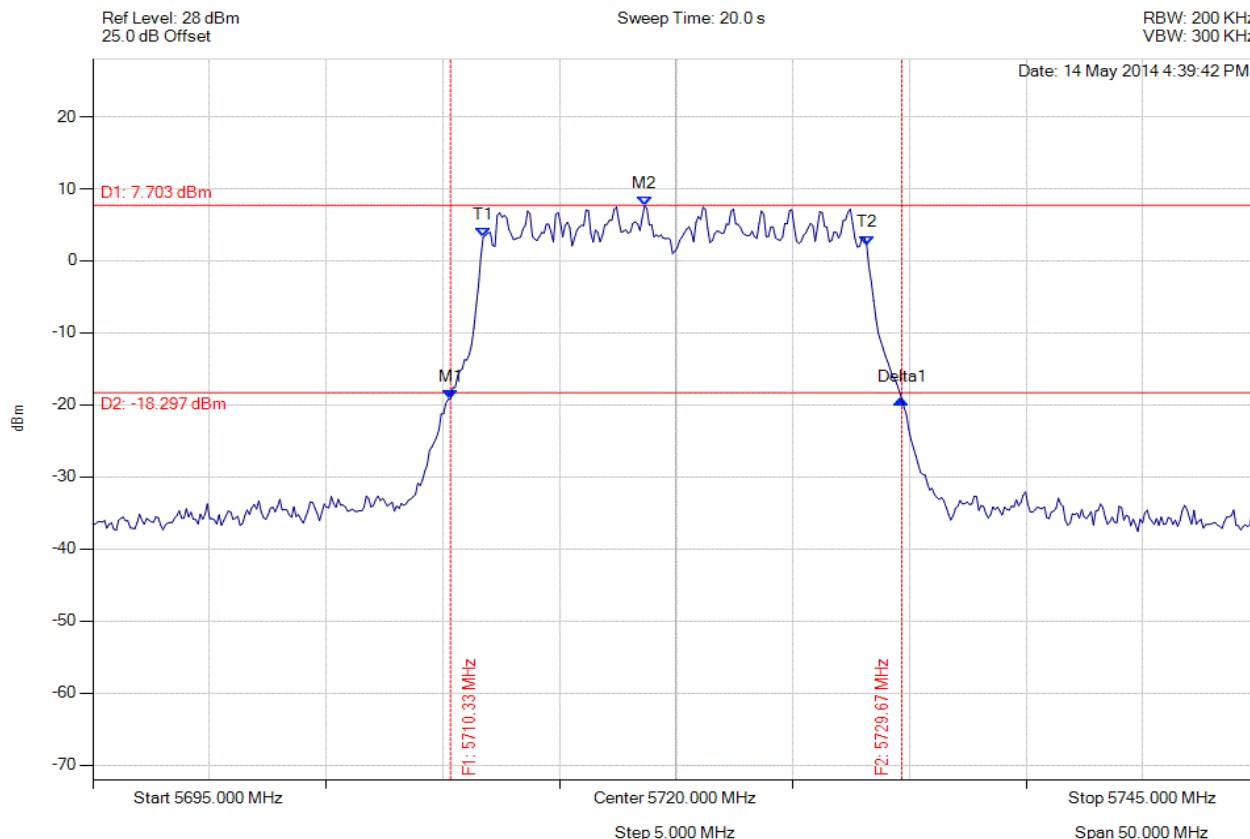

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5709.729 MHz : -22.661 dBm M2 : 5721.152 MHz : 5.747 dBm Delta1 : 20.040 MHz : 2.011 dB T1 : 5711.633 MHz : -1.741 dBm T2 : 5728.267 MHz : -2.165 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 20.040 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

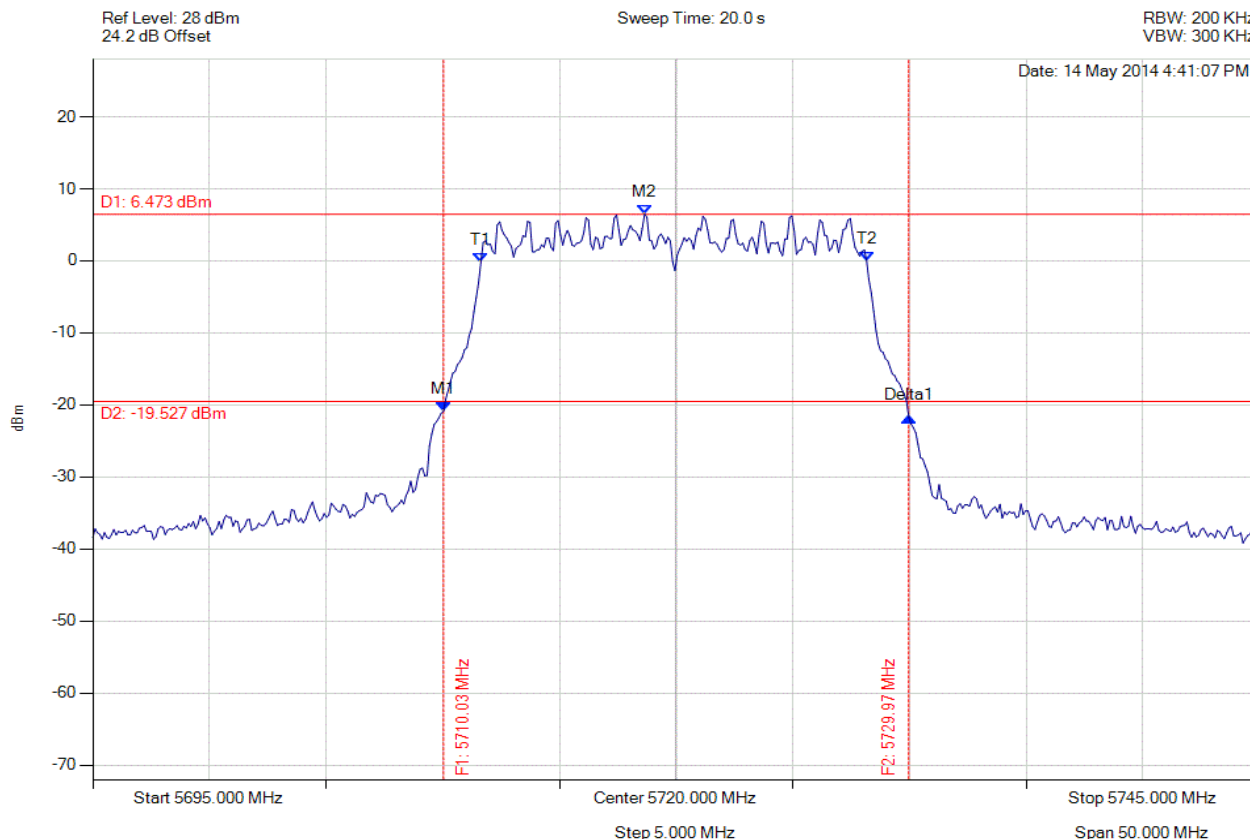Variant: 802.11a, Channel: 5720.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5710.331 MHz : -19.215 dBm M2 : 5718.647 MHz : 7.703 dBm Delta1 : 19.339 MHz : -0.022 dB T1 : 5711.733 MHz : 3.347 dBm T2 : 5728.166 MHz : 2.210 dBm OBW : 16.433 MHz	Measured 26 dB Bandwidth: 19.339 MHz Measured 99% Bandwidth: 16.433 MHz

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26 dB & 99% BANDWIDTH

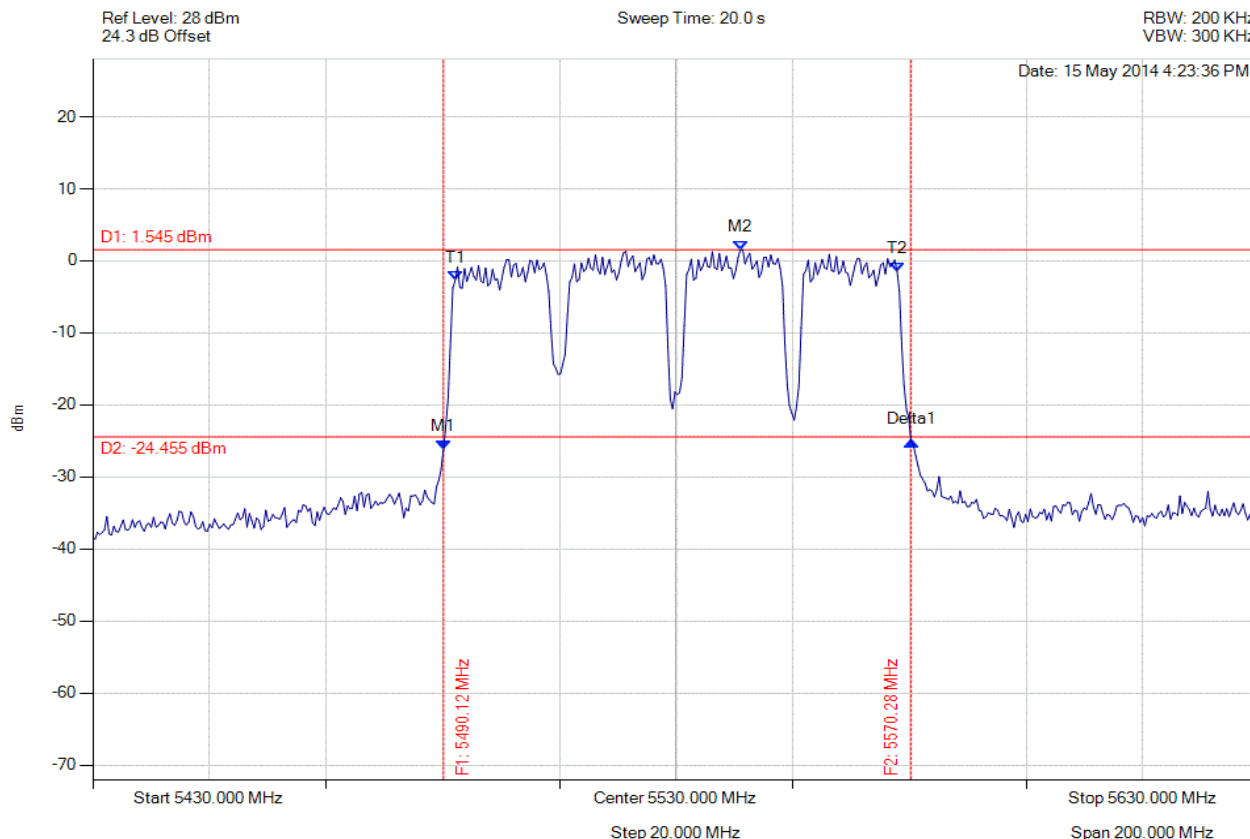Variant: 802.11a, Channel: 5720.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5710.030 MHz : -20.877 dBm M2 : 5718.647 MHz : 6.473 dBm Delta1 : 19.940 MHz : -0.803 dB T1 : 5711.633 MHz : -0.192 dBm T2 : 5728.166 MHz : -0.072 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.120 MHz : -26.138 dBm M2 : 5541.022 MHz : 1.545 dBm Delta1 : 80.160 MHz : 1.015 dB T1 : 5492.124 MHz : -2.730 dBm T2 : 5567.876 MHz : -1.449 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.160 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: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.120 MHz : -25.422 dBm M2 : 5541.022 MHz : 2.605 dBm Delta1 : 79.760 MHz : 1.546 dB T1 : 5492.124 MHz : -0.180 dBm T2 : 5567.876 MHz : 0.530 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 79.760 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.120 MHz : -26.986 dBm M2 : 5538.617 MHz : 1.563 dBm Delta1 : 80.160 MHz : 2.548 dB T1 : 5492.124 MHz : -1.434 dBm T2 : 5567.876 MHz : -1.339 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.160 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

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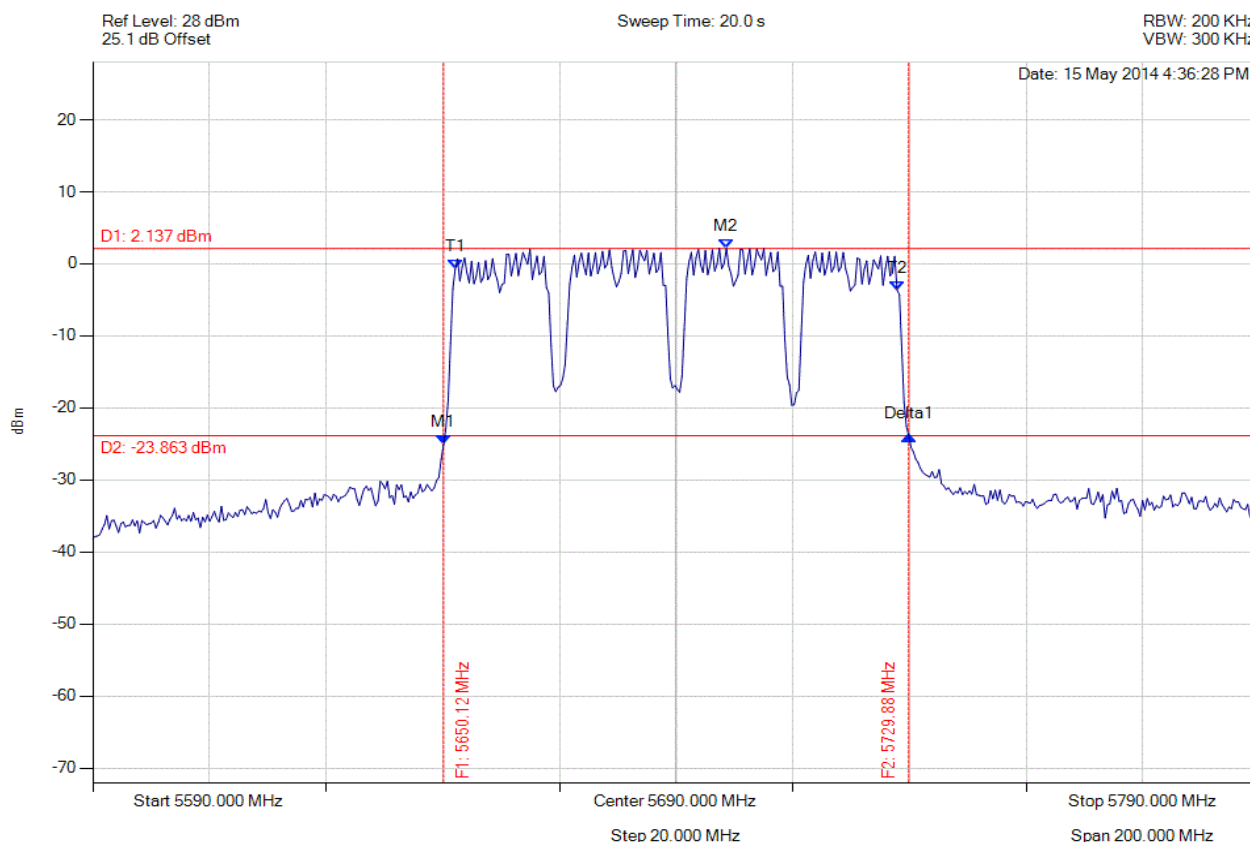

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5650.120 MHz : -26.403 dBm M2 : 5702.625 MHz : 0.506 dBm Delta1 : 80.160 MHz : -1.200 dB T1 : 5652.124 MHz : -2.065 dBm T2 : 5727.876 MHz : -6.035 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.160 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: 12 Vdc
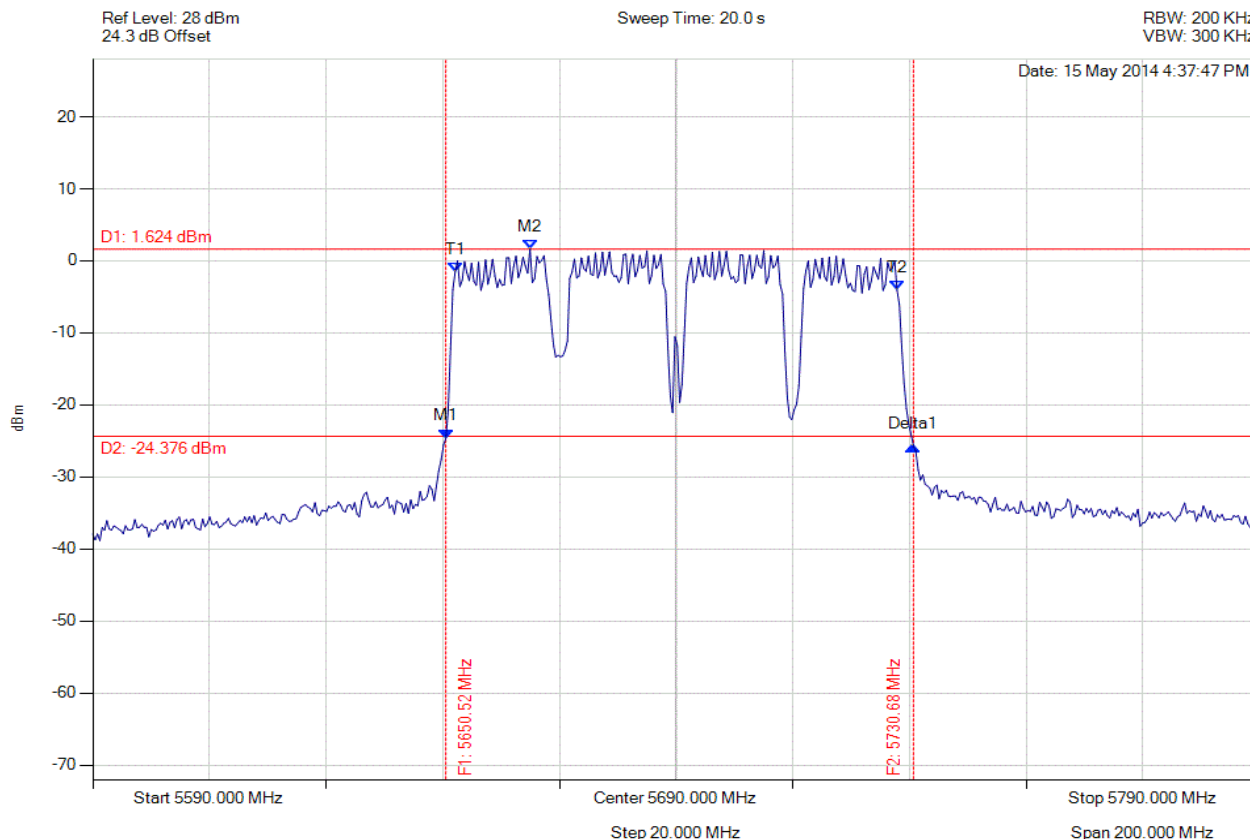

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5650.120 MHz : -25.128 dBm M2 : 5698.617 MHz : 2.137 dBm Delta1 : 79.760 MHz : 1.255 dB T1 : 5652.124 MHz : -0.708 dBm T2 : 5727.876 MHz : -3.635 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 79.760 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

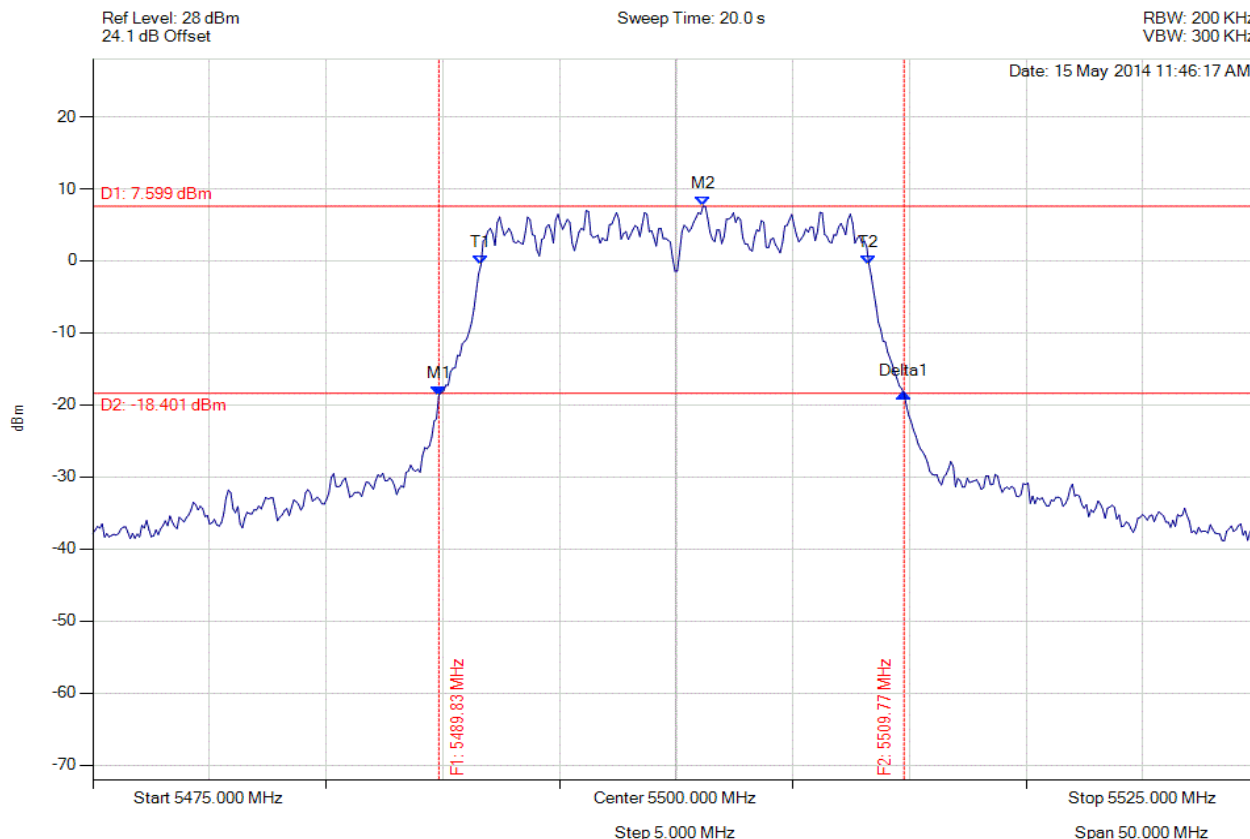Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5650.521 MHz : -24.633 dBm M2 : 5664.950 MHz : 1.624 dBm Delta1 : 80.160 MHz : -1.035 dB T1 : 5652.124 MHz : -1.512 dBm T2 : 5727.876 MHz : -4.068 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.160 MHz Measured 99% Bandwidth: 75.752 MHz

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26 dB & 99% BANDWIDTH

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

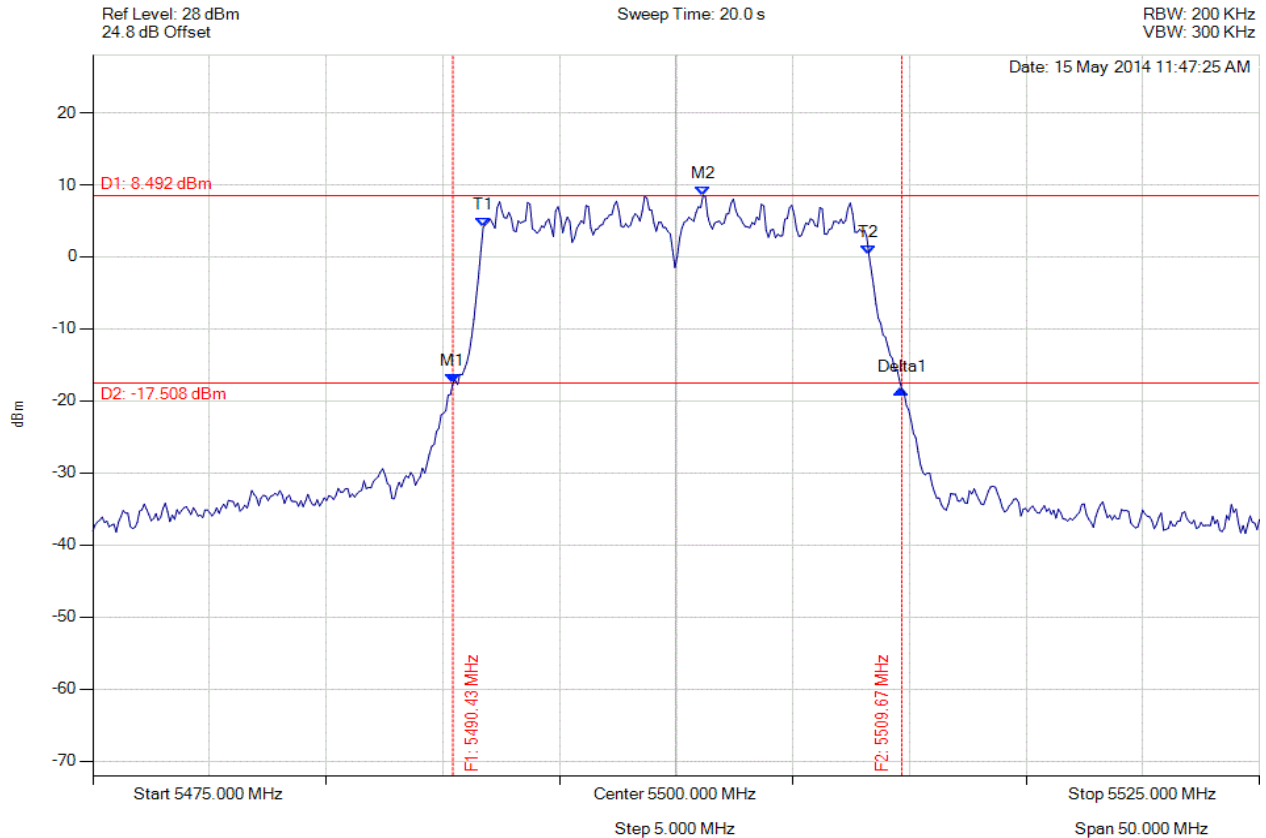| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5489.830 MHz : -18.650 dBm M2 : 5501.152 MHz : 7.599 dBm Delta1 : 19.940 MHz : 0.224 dB T1 : 5491.633 MHz : -0.586 dBm T2 : 5508.267 MHz : -0.470 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

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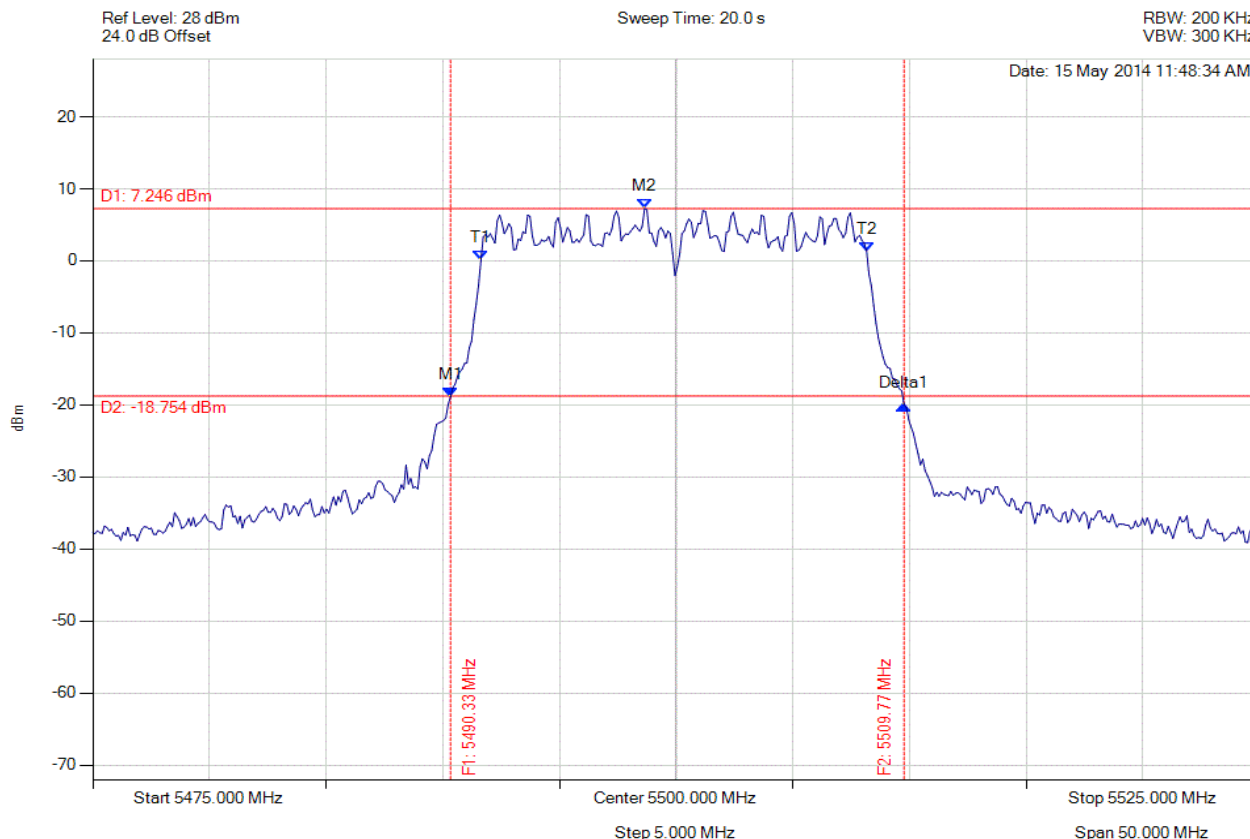

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.431 MHz : -17.582 dBm M2 : 5501.152 MHz : 8.492 dBm Delta1 : 19.238 MHz : -0.785 dB T1 : 5491.733 MHz : 4.114 dBm T2 : 5508.267 MHz : 0.239 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.238 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.331 MHz : -18.904 dBm M2 : 5498.647 MHz : 7.246 dBm Delta1 : 19.439 MHz : -1.076 dB T1 : 5491.633 MHz : 0.060 dBm T2 : 5508.166 MHz : 1.289 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.439 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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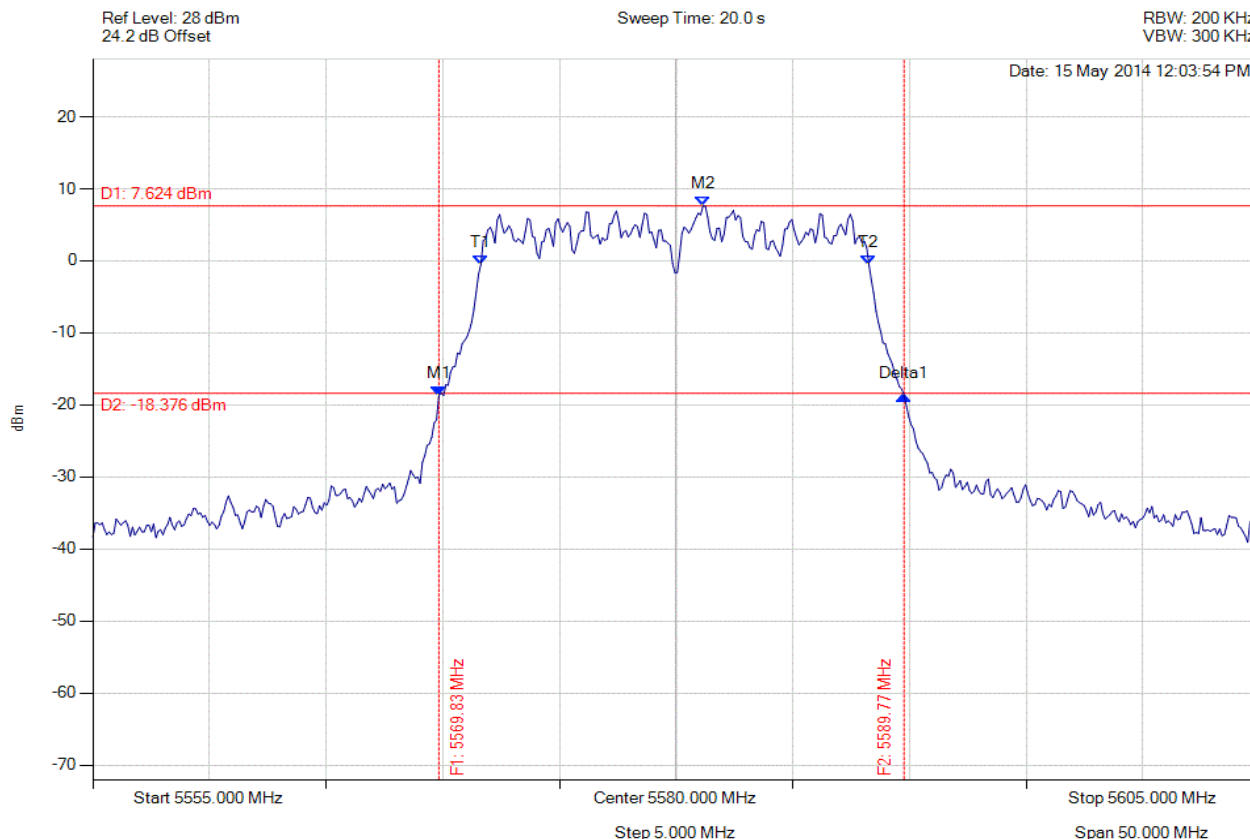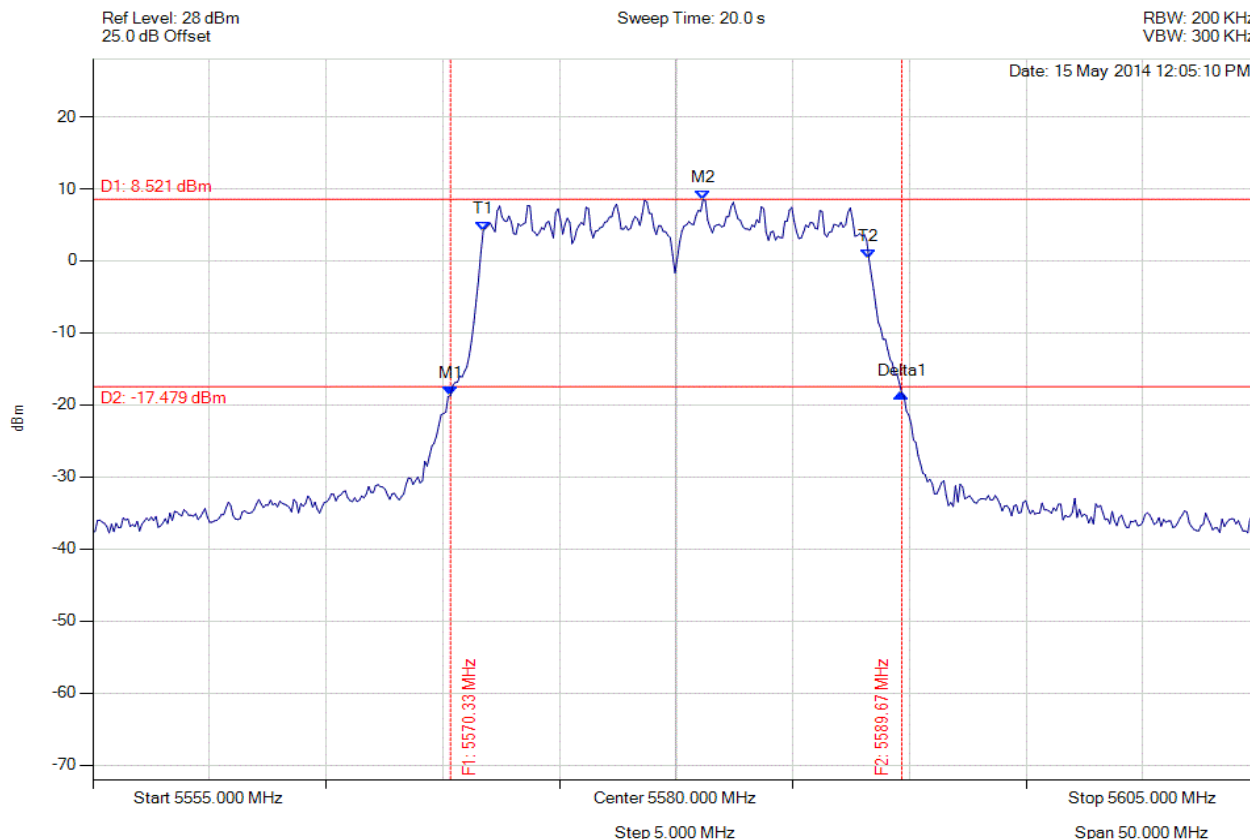

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5569.830 MHz : -18.768 dBm M2 : 5581.152 MHz : 7.624 dBm Delta1 : 19.940 MHz : 0.104 dB T1 : 5571.633 MHz : -0.505 dBm T2 : 5588.267 MHz : -0.556 dBm OBW : 16.633 MHz	Measured 26 dB Bandwidth: 19.940 MHz Measured 99% Bandwidth: 16.633 MHz

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26 dB & 99% BANDWIDTH

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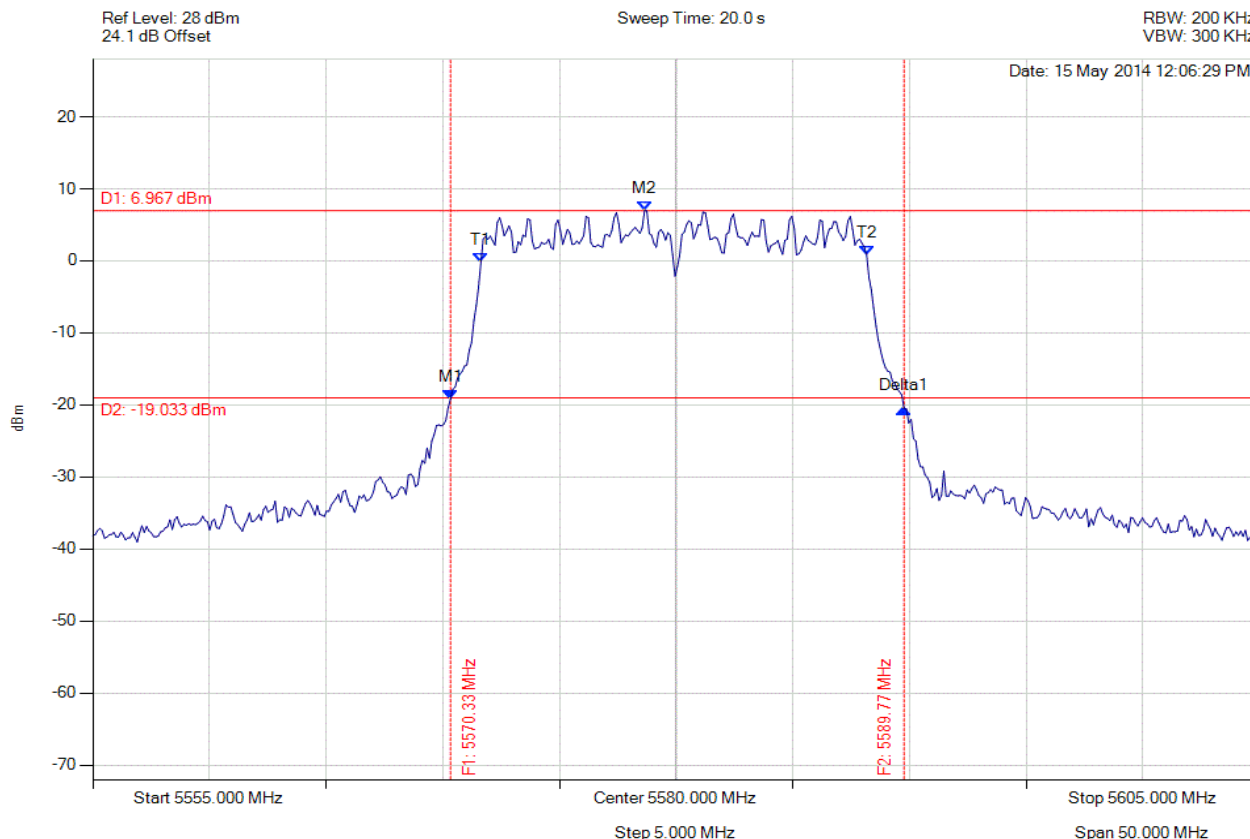

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5570.331 MHz : -18.729 dBm M2 : 5581.152 MHz : 8.521 dBm Delta1 : 19.339 MHz : 0.346 dB T1 : 5571.733 MHz : 4.193 dBm T2 : 5588.267 MHz : 0.241 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.339 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5570.331 MHz : -19.203 dBm M2 : 5578.647 MHz : 6.967 dBm Delta1 : 19.439 MHz : -1.261 dB T1 : 5571.633 MHz : -0.200 dBm T2 : 5588.166 MHz : 0.778 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.439 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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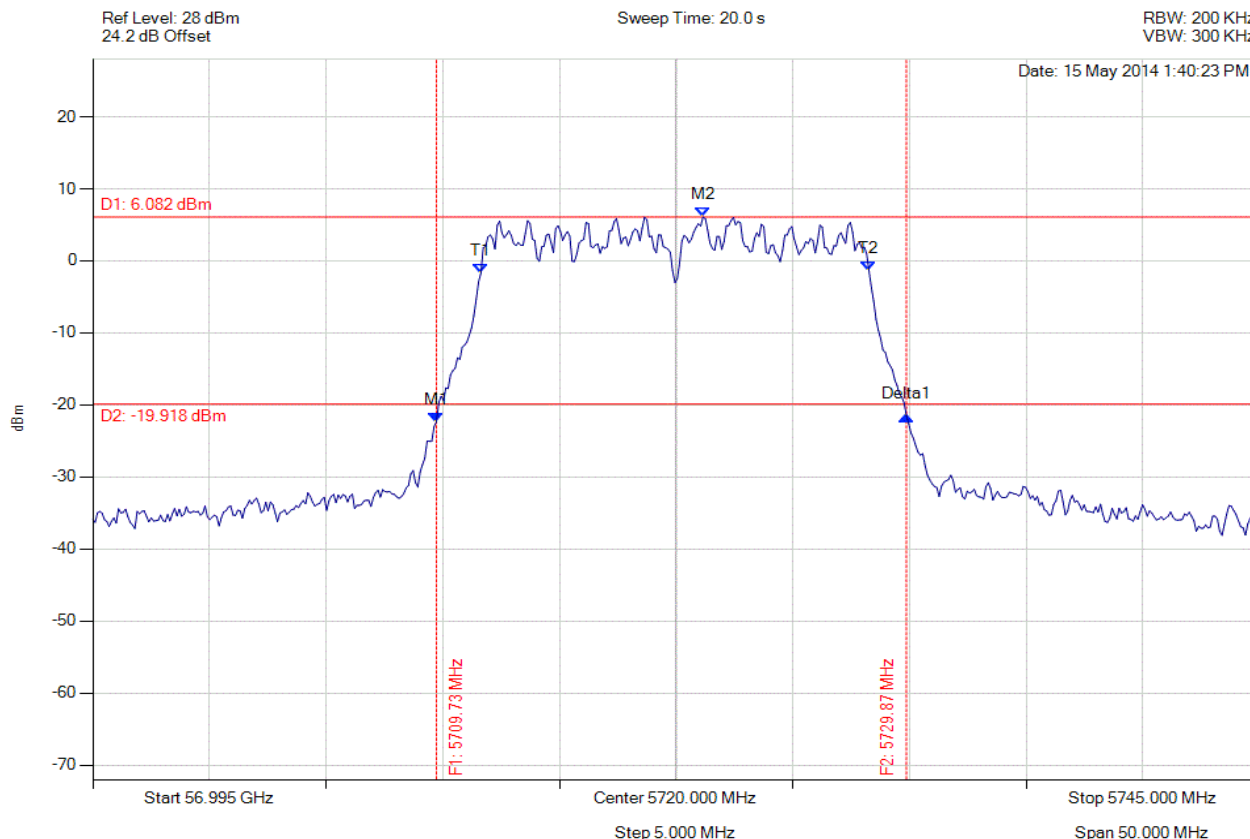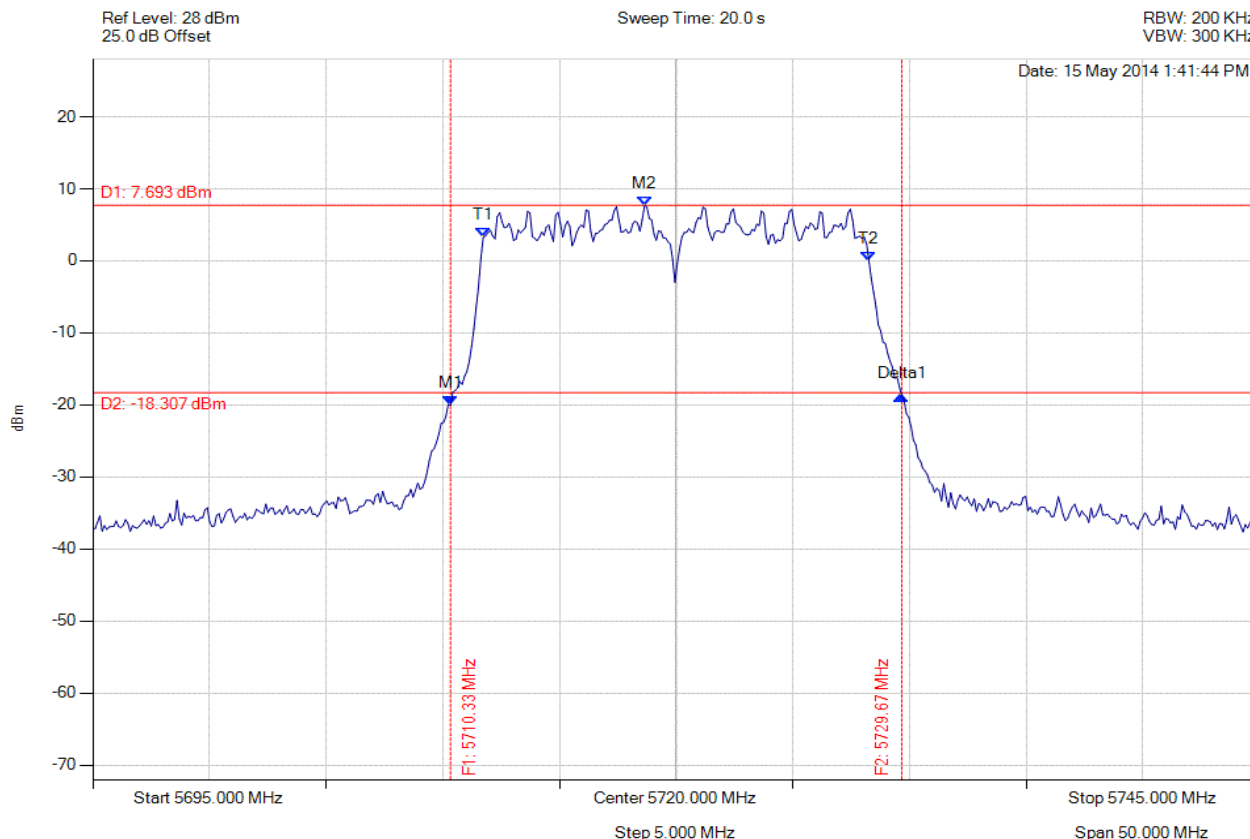

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5709.729 MHz : -22.323 dBm M2 : 5721.152 MHz : 6.082 dBm Delta1 : 20.140 MHz : 0.842 dB T1 : 5711.633 MHz : -1.733 dBm T2 : 5728.267 MHz : -1.402 dBm OBW : 16.633 MHz	Channel Frequency: 5720.00 MHz

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26 dB & 99% BANDWIDTH

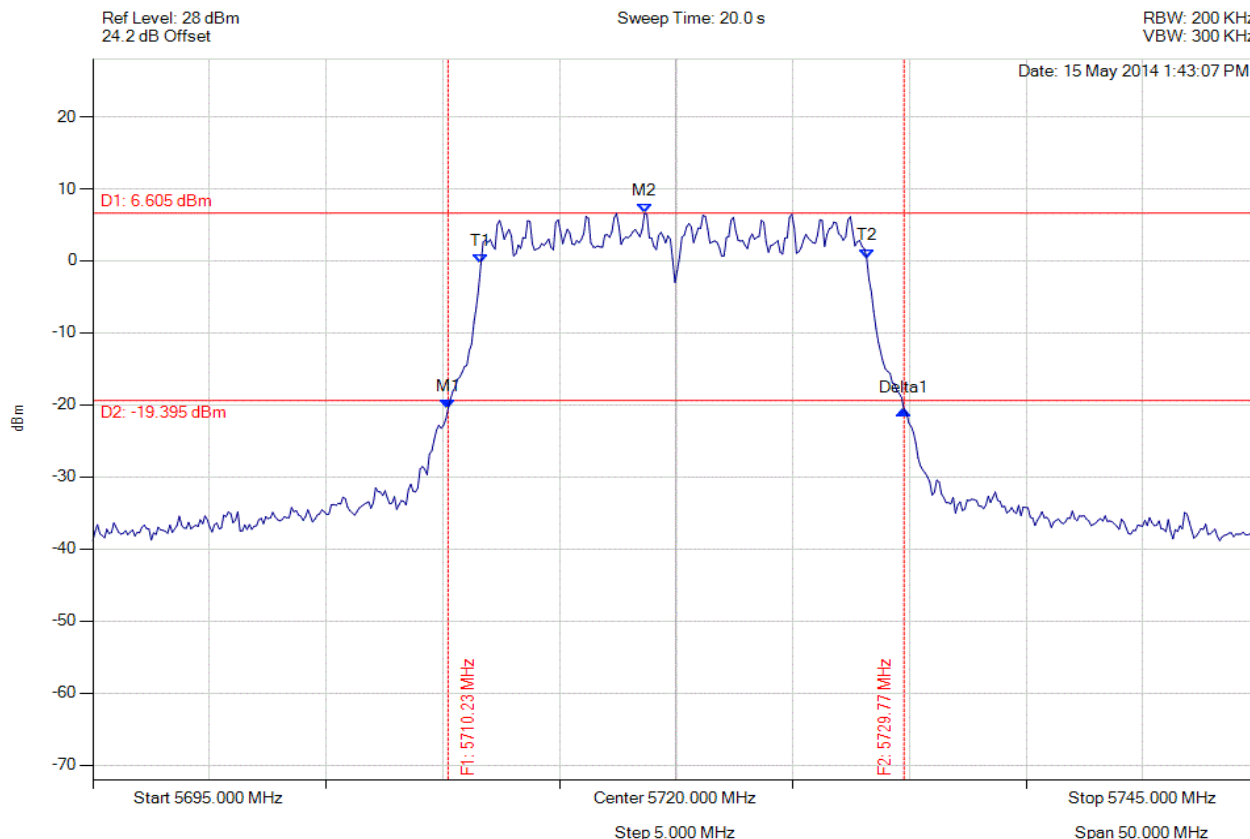Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	ERROR!!! MULTIPLE TEST RESULTS MATCHES...	Measured 26 dB Bandwidth: 19.339 MHz Measured 99% Bandwidth: 16.533 MHz ERROR!!! MULTIPLE TEST RESULTS MATCHES...

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26 dB & 99% BANDWIDTH

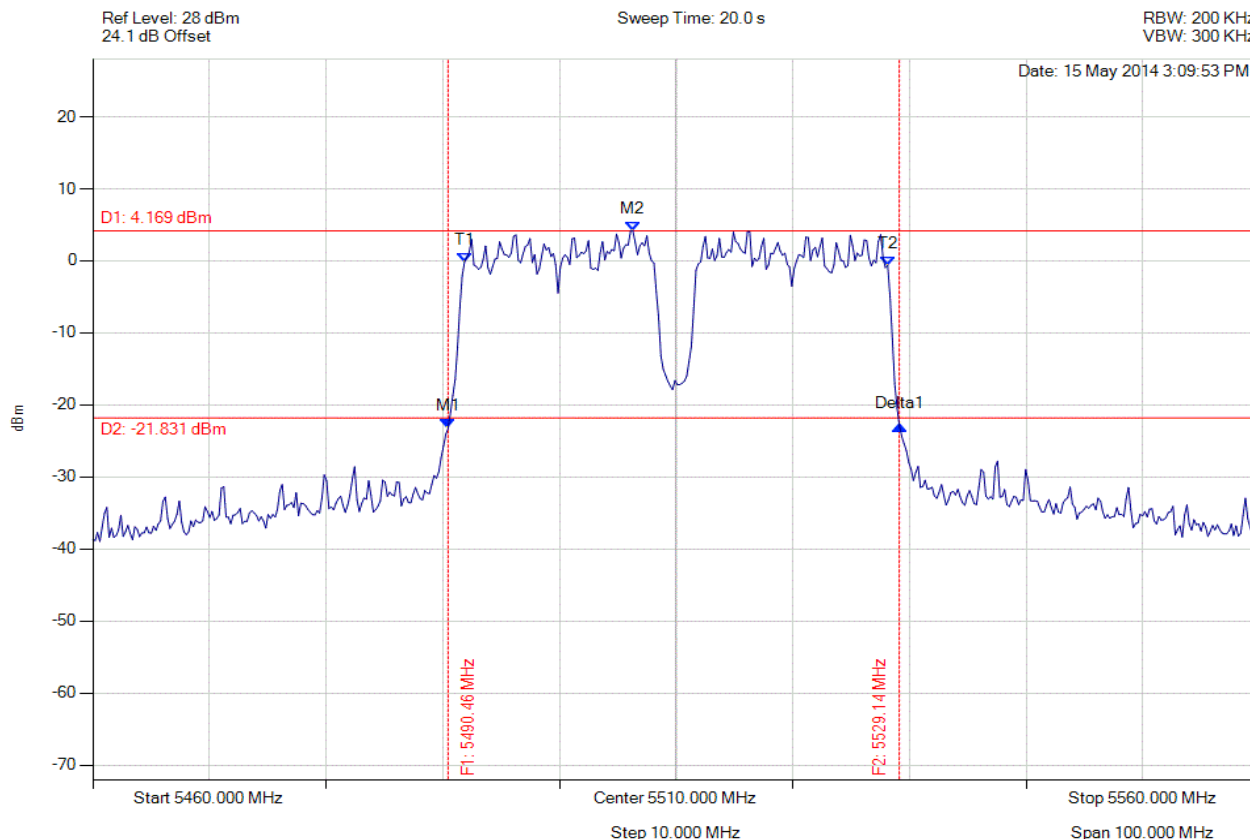Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5710.230 MHz : -20.489 dBm M2 : 5718.647 MHz : 6.605 dBm Delta1 : 19.539 MHz : -0.275 dB T1 : 5711.633 MHz : -0.442 dBm T2 : 5728.166 MHz : 0.382 dBm OBW : 16.533 MHz	Measured 26 dB Bandwidth: 19.539 MHz Measured 99% Bandwidth: 16.533 MHz

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26 dB & 99% BANDWIDTH

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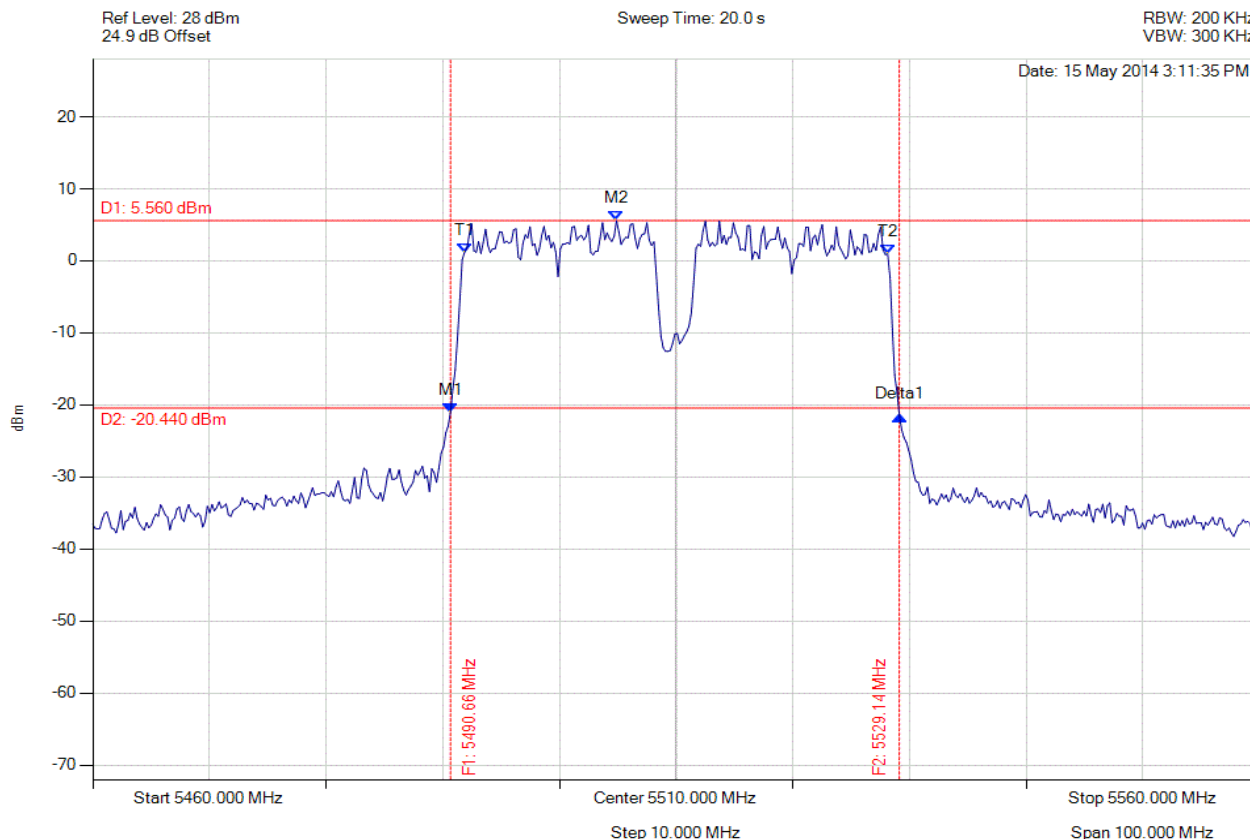

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.461 MHz : -23.277 dBm M2 : 5506.293 MHz : 4.169 dBm Delta1 : 38.677 MHz : 0.397 dB T1 : 5491.864 MHz : -0.145 dBm T2 : 5528.136 MHz : -0.641 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 36.273 MHz

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26 dB & 99% BANDWIDTH

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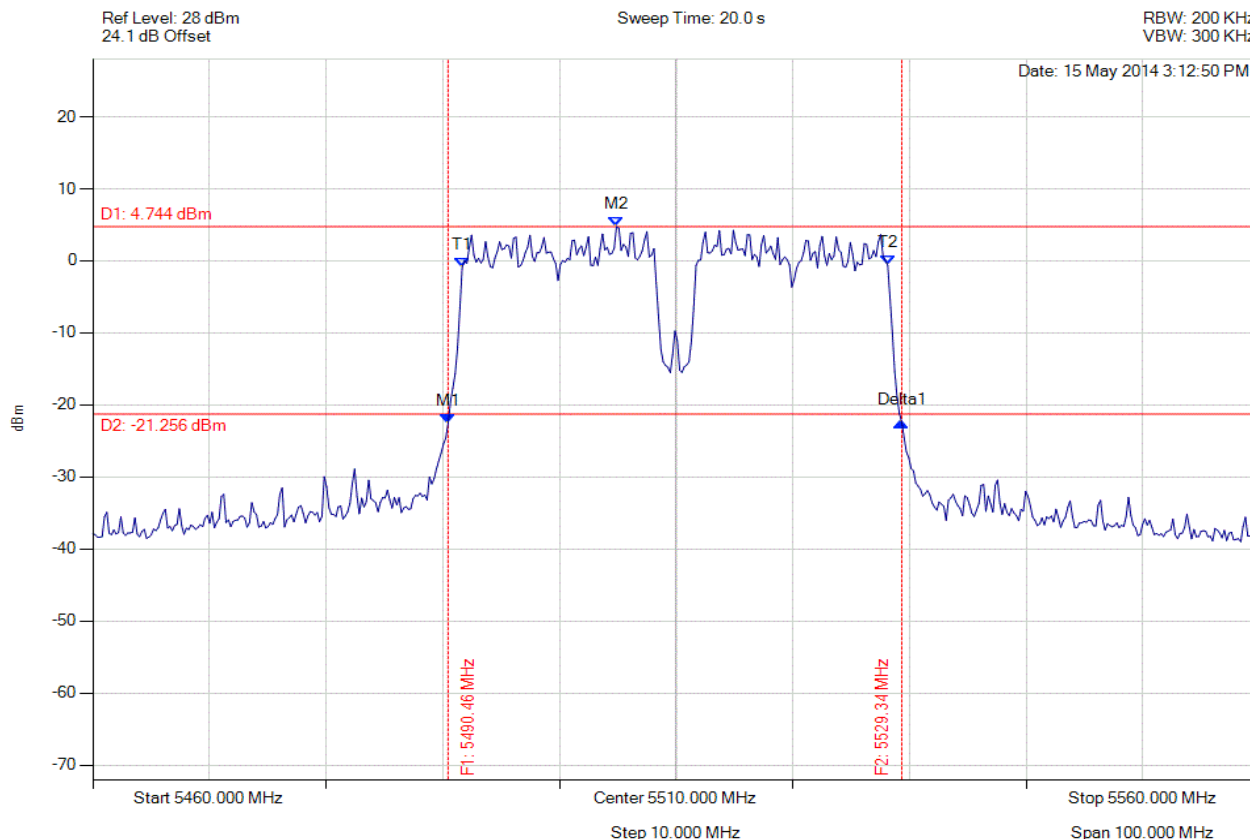

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.661 MHz : -20.999 dBm M2 : 5504.890 MHz : 5.560 dBm Delta1 : 38.477 MHz : -0.527 dB T1 : 5491.864 MHz : 1.161 dBm T2 : 5528.136 MHz : 0.959 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.477 MHz Measured 99% Bandwidth: 36.273 MHz

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26 dB & 99% BANDWIDTH

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

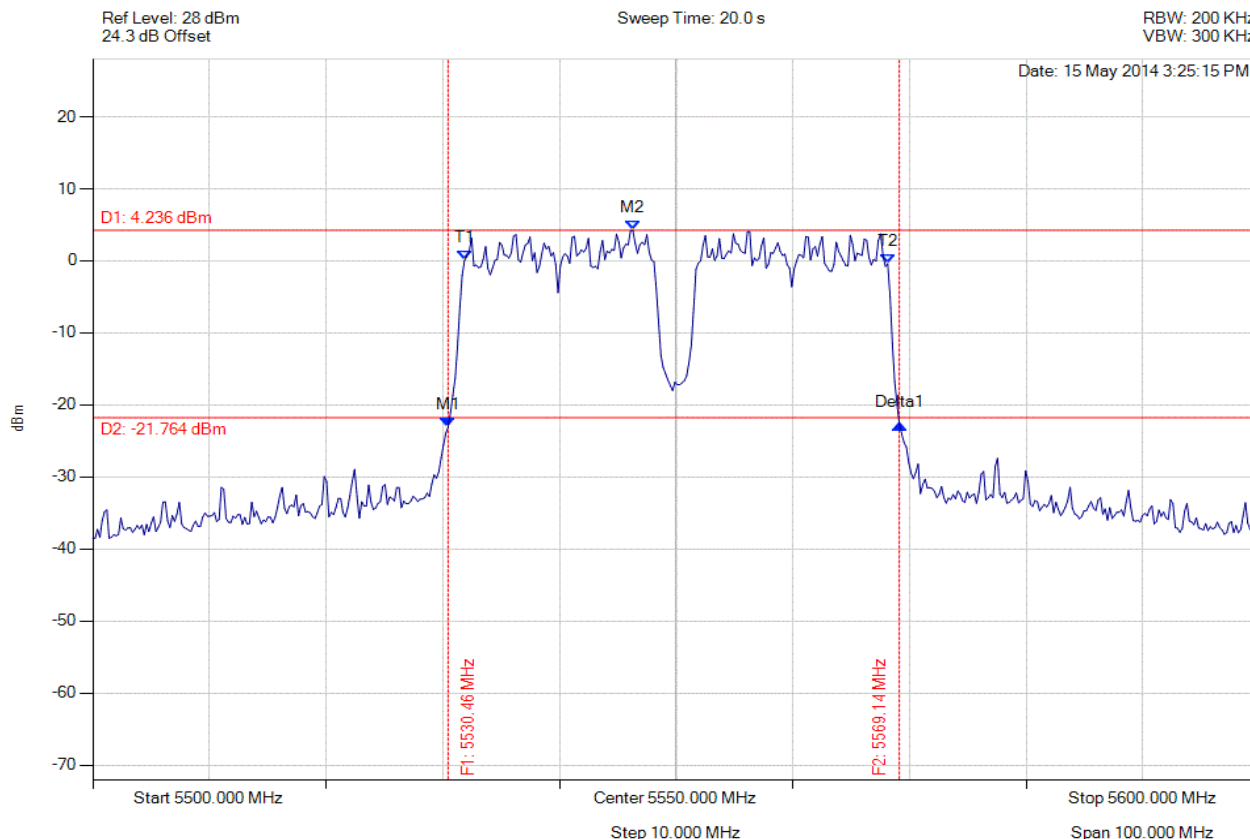| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5490.461 MHz : -22.543 dBm M2 : 5504.890 MHz : 4.744 dBm Delta1 : 38.878 MHz : 0.081 dB T1 : 5491.663 MHz : -0.908 dBm T2 : 5528.136 MHz : -0.586 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 38.878 MHz Measured 99% Bandwidth: 36.473 MHz

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26 dB & 99% BANDWIDTH

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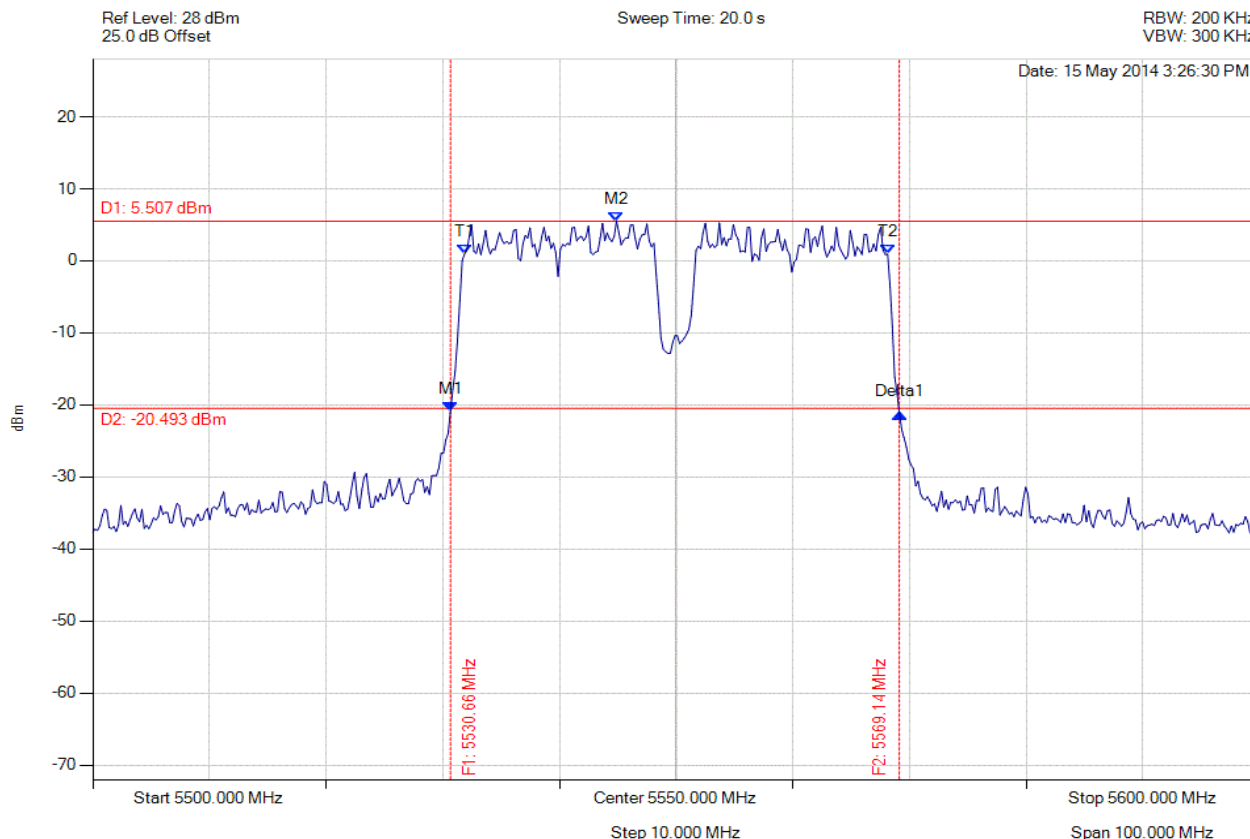

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5530.461 MHz : -23.100 dBm M2 : 5546.293 MHz : 4.236 dBm Delta1 : 38.677 MHz : 0.407 dB T1 : 5531.864 MHz : 0.075 dBm T2 : 5568.136 MHz : -0.391 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.677 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: 12 Vdc

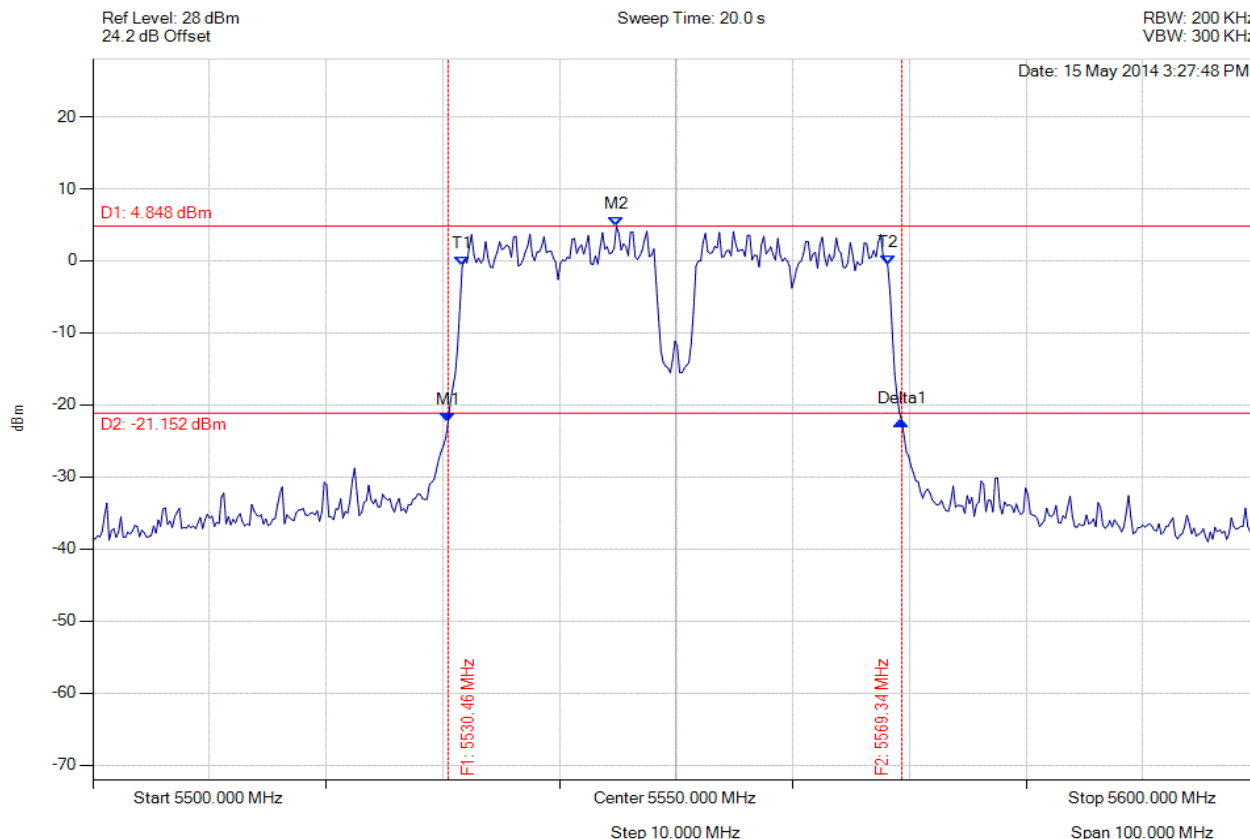| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5530.661 MHz : -20.826 dBm M2 : 5544.890 MHz : 5.507 dBm Delta1 : 38.477 MHz : -0.397 dB T1 : 5531.864 MHz : 0.963 dBm T2 : 5568.136 MHz : 0.913 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.477 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 c, Temp: Ambient, Voltage: 12 Vdc

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5530.461 MHz : -22.329 dBm M2 : 5544.890 MHz : 4.848 dBm Delta1 : 38.878 MHz : 0.116 dB T1 : 5531.663 MHz : -0.765 dBm T2 : 5568.136 MHz : -0.564 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 38.878 MHz Measured 99% Bandwidth: 36.473 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.
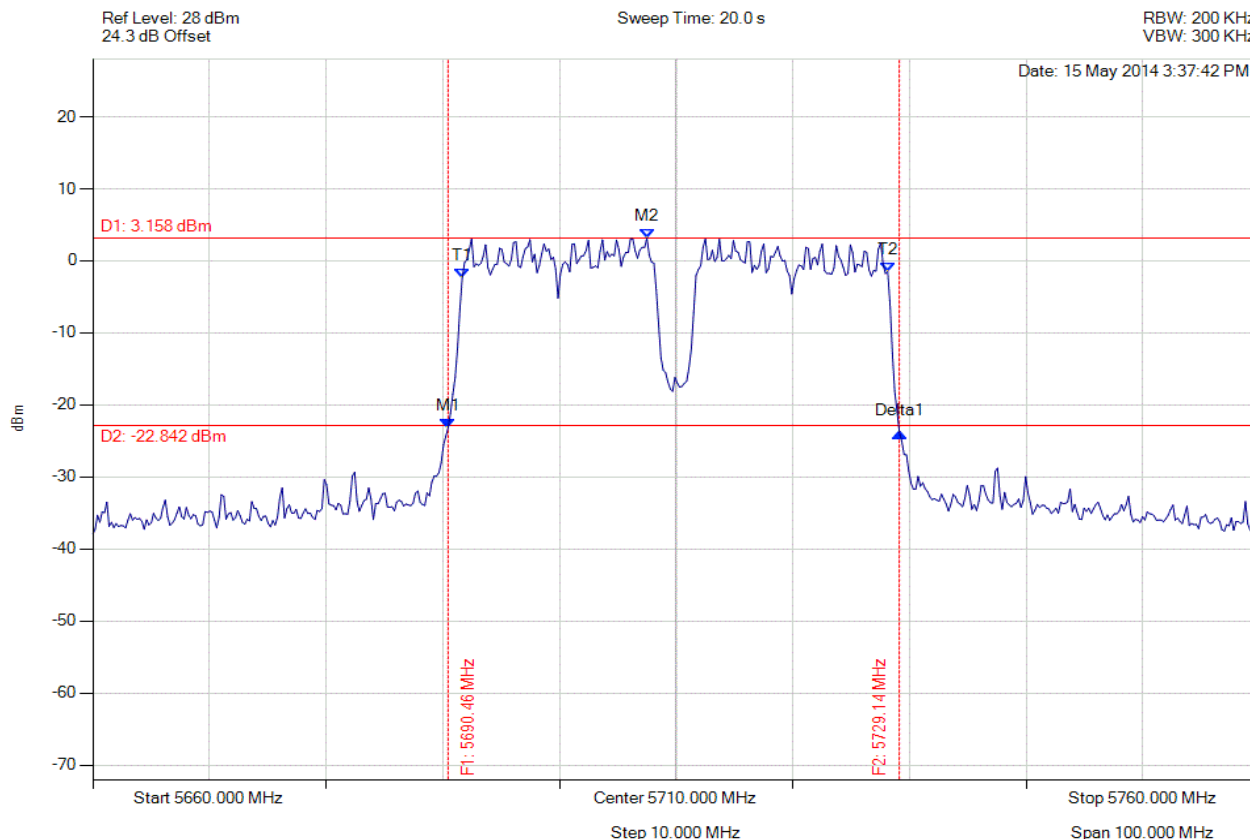
26 dB & 99% BANDWIDTH

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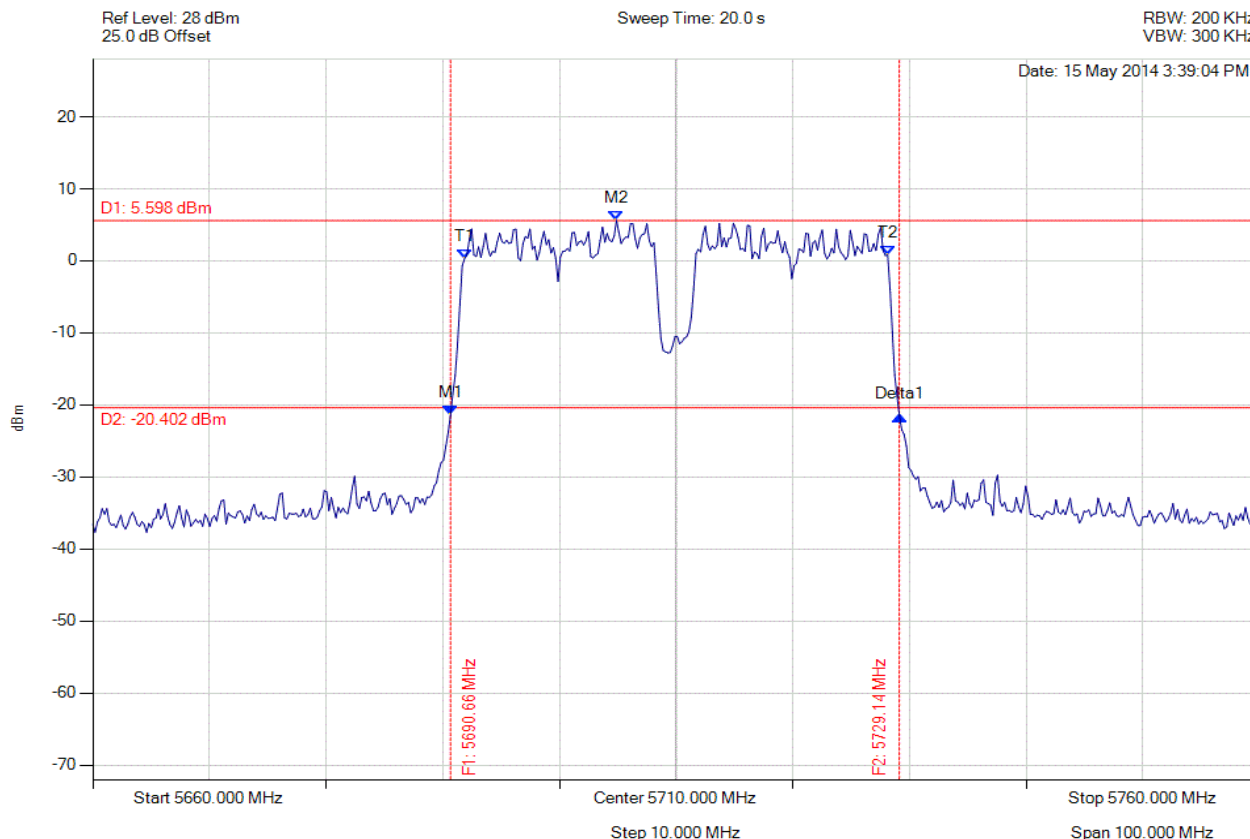

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5690.461 MHz : -23.198 dBm M2 : 5707.495 MHz : 3.158 dBm Delta1 : 38.677 MHz : -0.622 dB T1 : 5691.663 MHz : -2.402 dBm T2 : 5728.136 MHz : -1.504 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 36.473 MHz

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26 dB & 99% BANDWIDTH

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

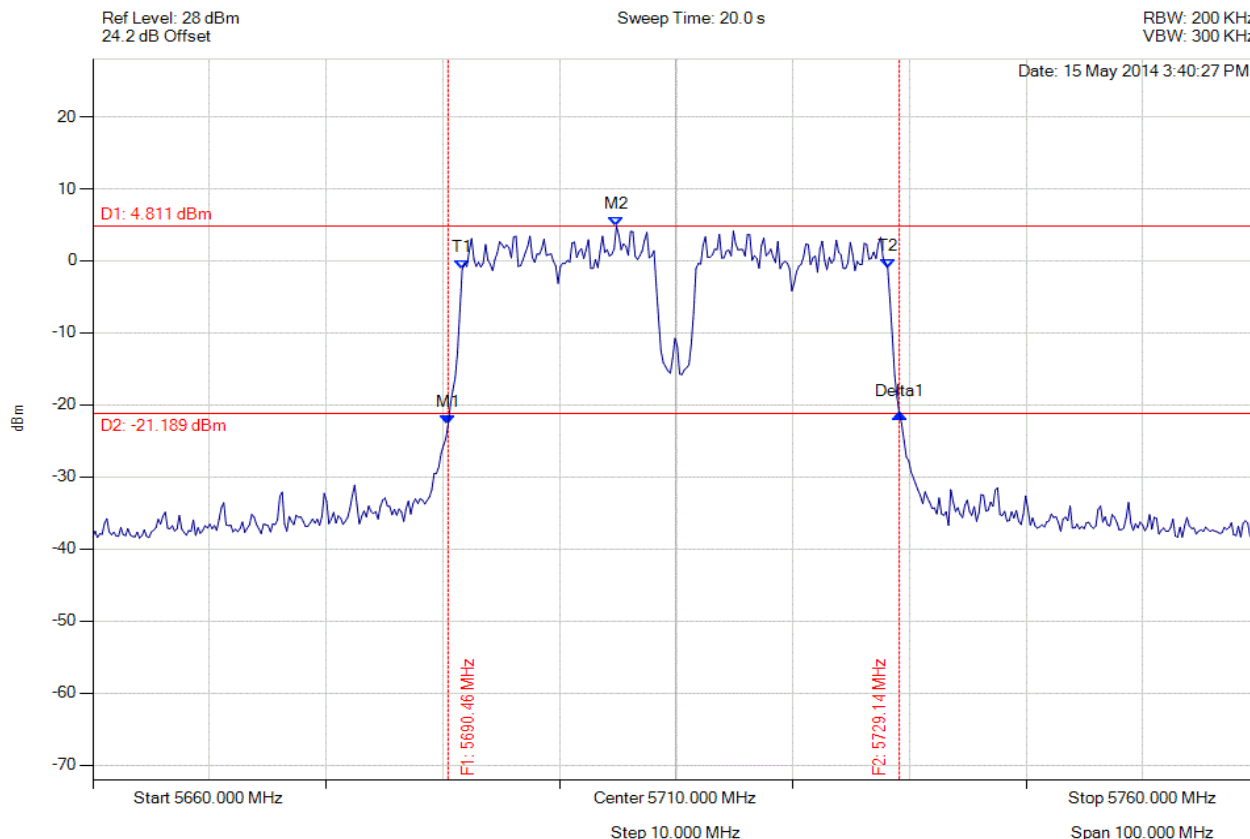| Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5690.661 MHz : -21.459 dBm M2 : 5704.890 MHz : 5.598 dBm Delta1 : 38.477 MHz : -0.065 dB T1 : 5691.864 MHz : 0.304 dBm T2 : 5728.136 MHz : 0.797 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 38.477 MHz Measured 99% Bandwidth: 36.273 MHz

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26 dB & 99% BANDWIDTH

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

Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5690.461 MHz : -22.705 dBm M2 : 5704.890 MHz : 4.811 dBm Delta1 : 38.677 MHz : 1.460 dB T1 : 5691.663 MHz : -1.205 dBm T2 : 5728.136 MHz : -1.009 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 38.677 MHz Measured 99% Bandwidth: 36.473 MHz

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