



**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** ARUB146-U1 Rev B  
**Issue Date:** 31st July 2013  
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## **APPENDIX**

### **A. SUPPORTING INFORMATION**

#### **A.1. CONDUCTED TEST PLOTS**

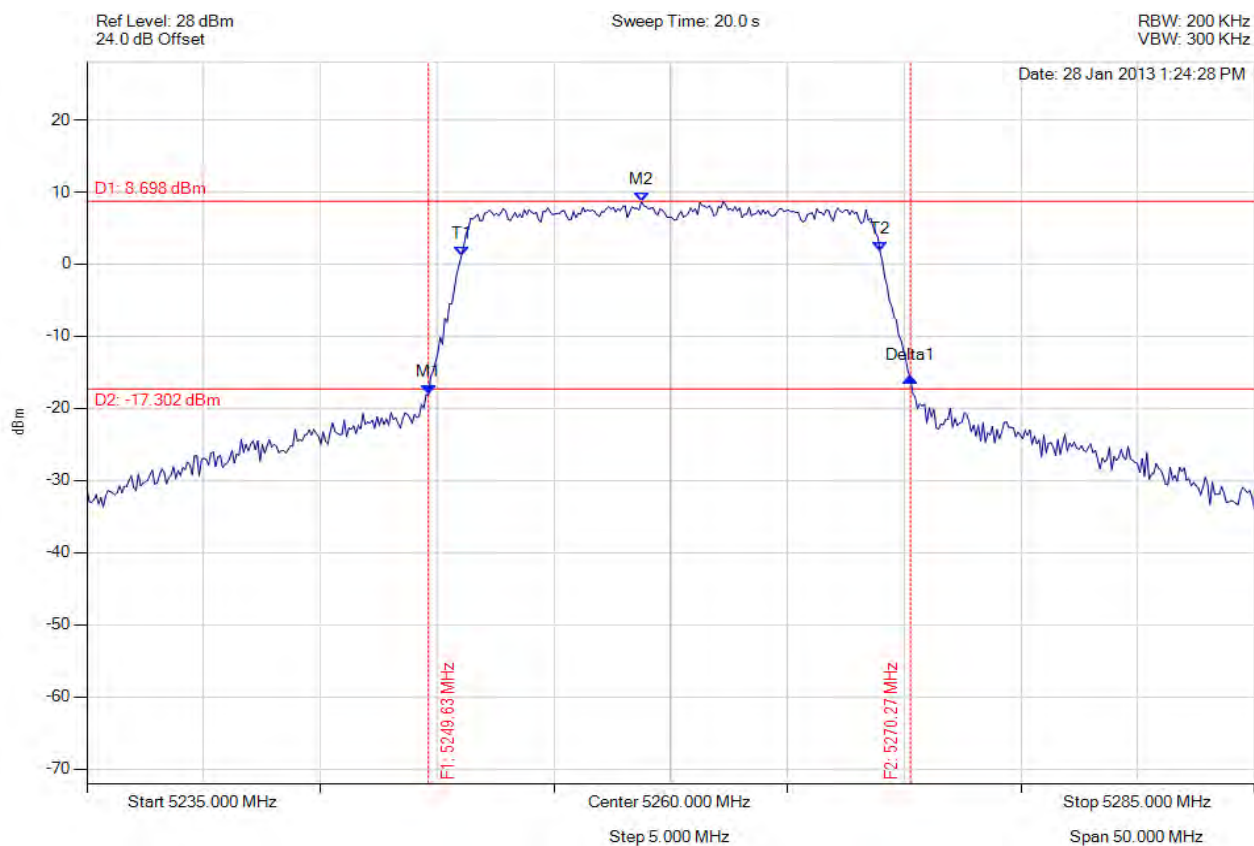
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### A.1.1. 26 dB & 99% Bandwidth

#### 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 : 5249.629 MHz : -18.087 dBm M2 : 5258.747 MHz : 8.698 dBm Delta1 : 20.641 MHz : 2.323 dB T1 : 5251.032 MHz : 1.077 dBm T2 : 5268.968 MHz : 1.730 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.936 MHz

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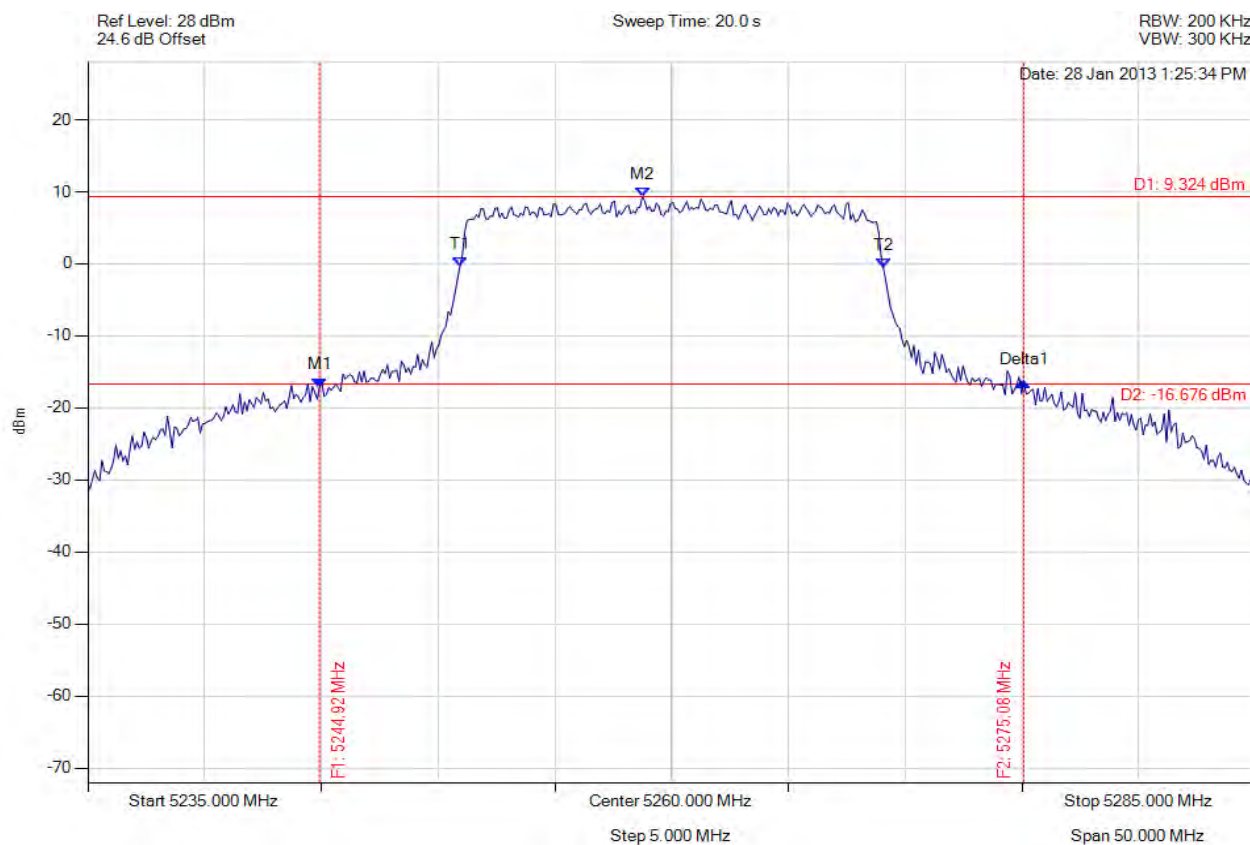


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### 26 dB & 99% BANDWIDTH

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5244.920 MHz : -17.139 dBm M2 : 5258.747 MHz : 9.324 dBm Delta1 : 30.160 MHz : 0.746 dB T1 : 5250.932 MHz : -0.322 dBm T2 : 5269.068 MHz : -0.601 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 30.160 MHz Measured 99% Bandwidth: 18.136 MHz

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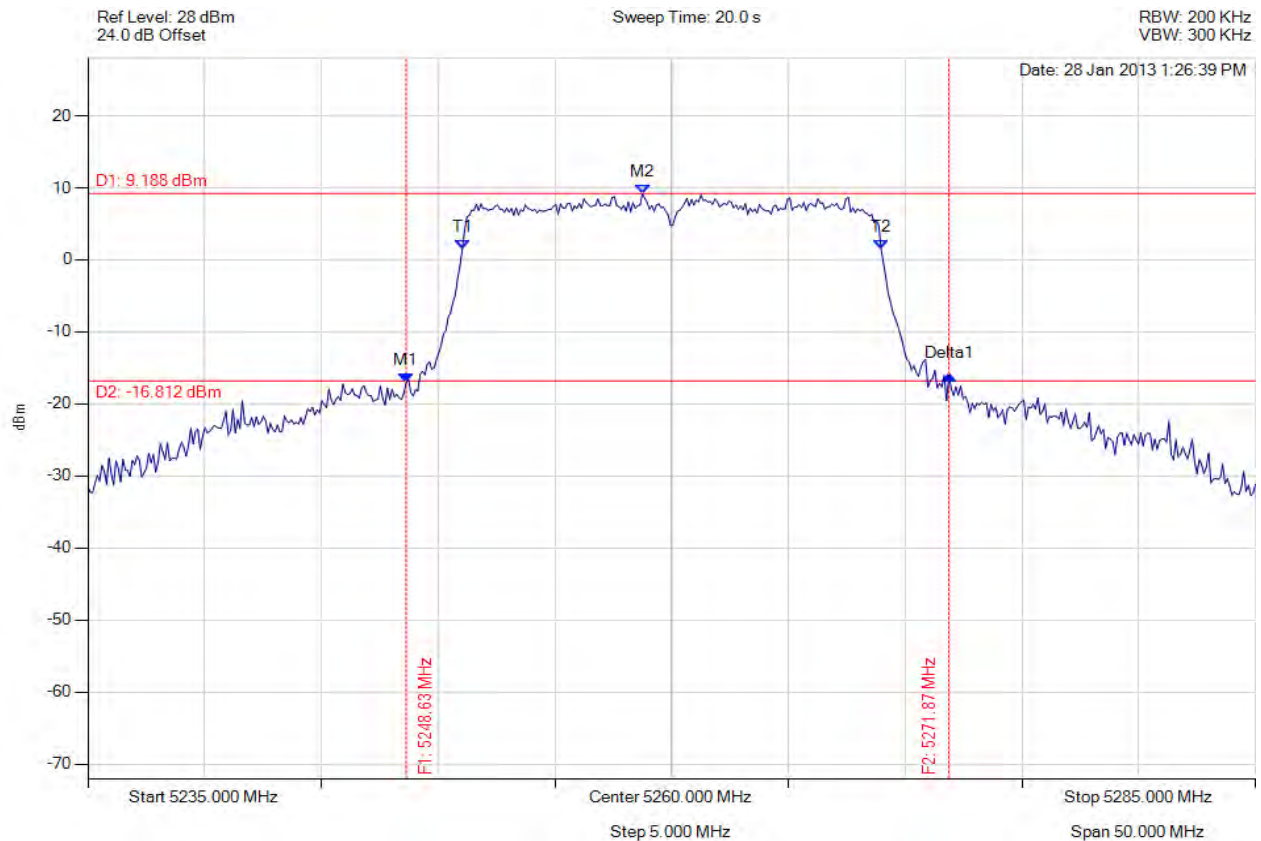


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### 26 dB & 99% BANDWIDTH

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 : 5248.627 MHz : -17.123 dBm M2 : 5258.747 MHz : 9.188 dBm Delta1 : 23.246 MHz : 1.088 dB T1 : 5251.032 MHz : 1.443 dBm T2 : 5268.968 MHz : 1.478 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 23.246 MHz Measured 99% Bandwidth: 17.936 MHz

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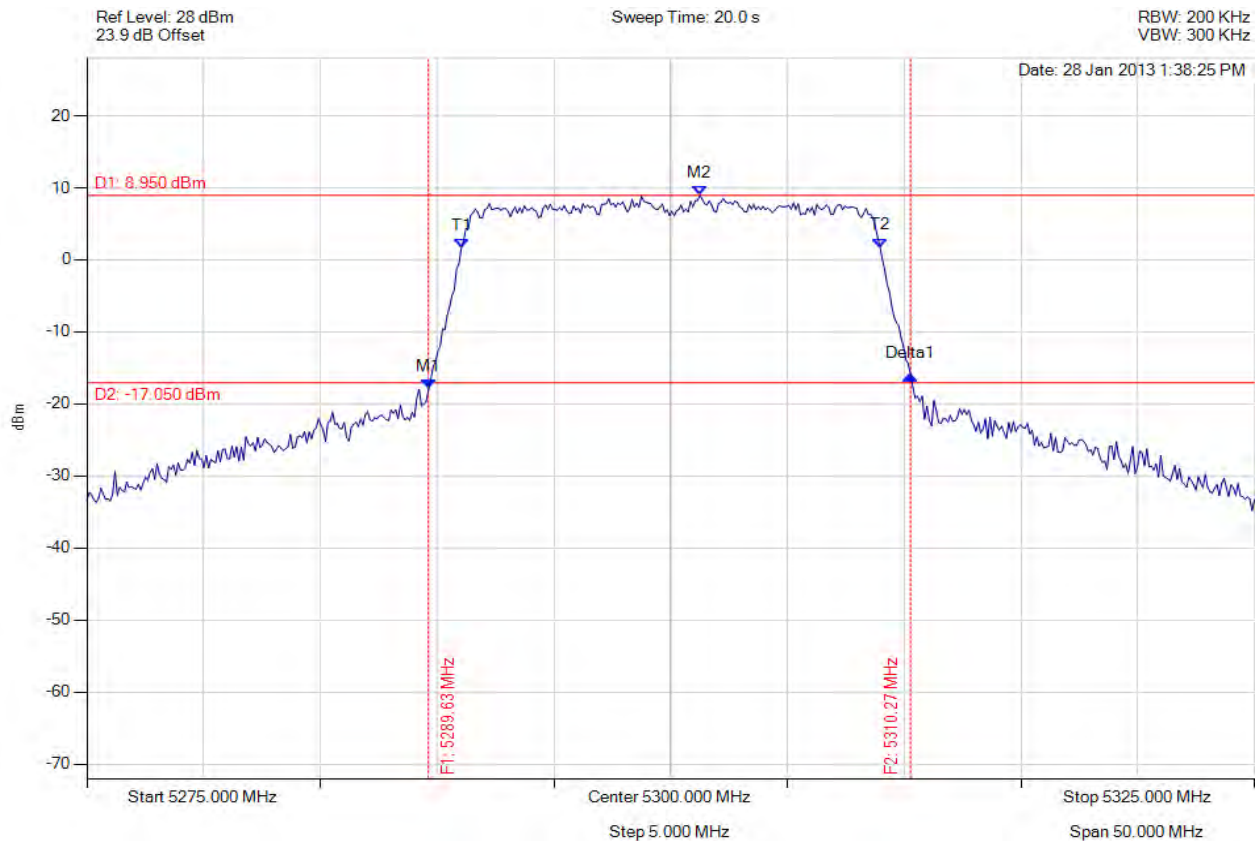


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### 26 dB & 99% BANDWIDTH

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 : 5289.629 MHz : -17.959 dBm M2 : 5301.253 MHz : 8.950 dBm Delta1 : 20.641 MHz : 1.973 dB T1 : 5291.032 MHz : 1.580 dBm T2 : 5308.968 MHz : 1.708 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.936 MHz

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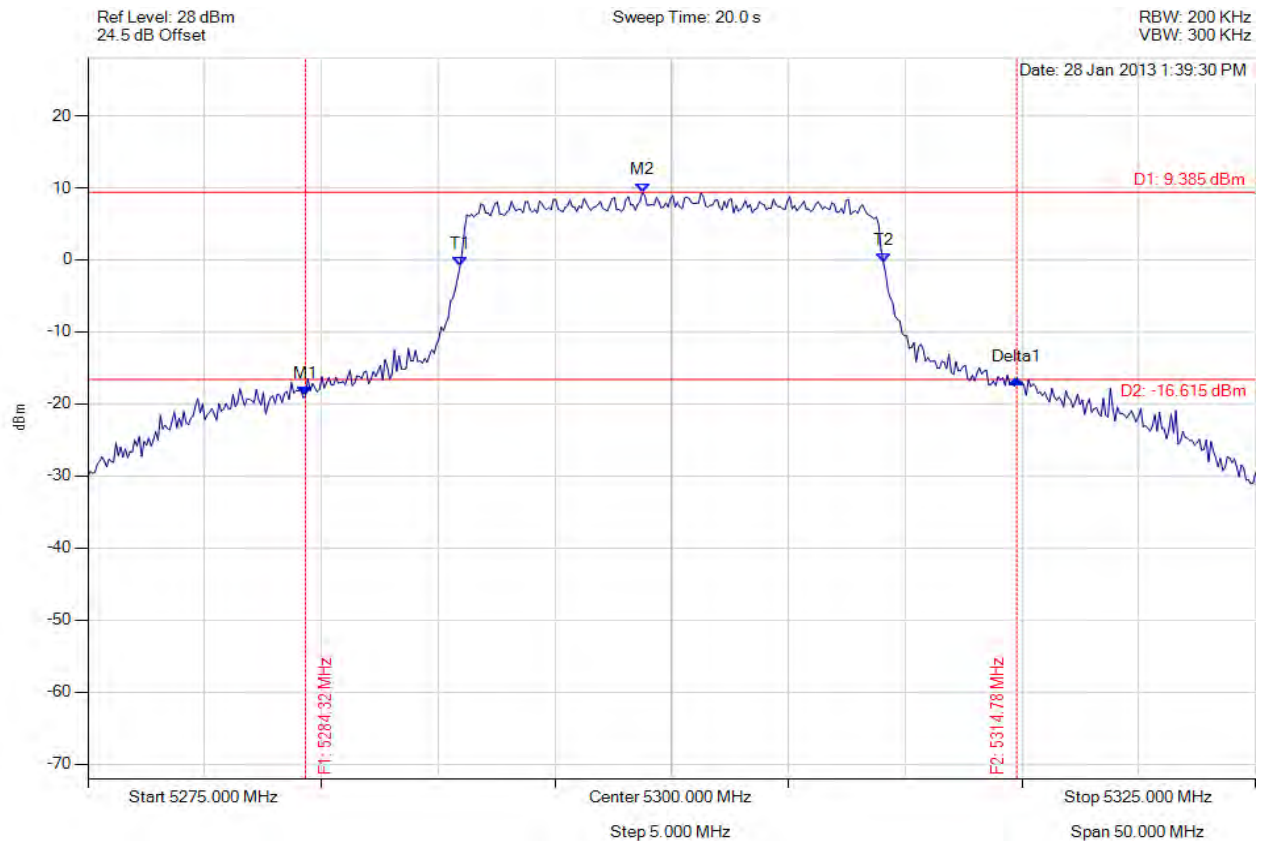


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### 26 dB & 99% BANDWIDTH

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 : 5284.319 MHz : -18.870 dBm M2 : 5298.747 MHz : 9.385 dBm Delta1 : 30.461 MHz : 2.390 dB T1 : 5290.932 MHz : -0.934 dBm T2 : 5309.068 MHz : -0.361 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 30.461 MHz Measured 99% Bandwidth: 18.136 MHz

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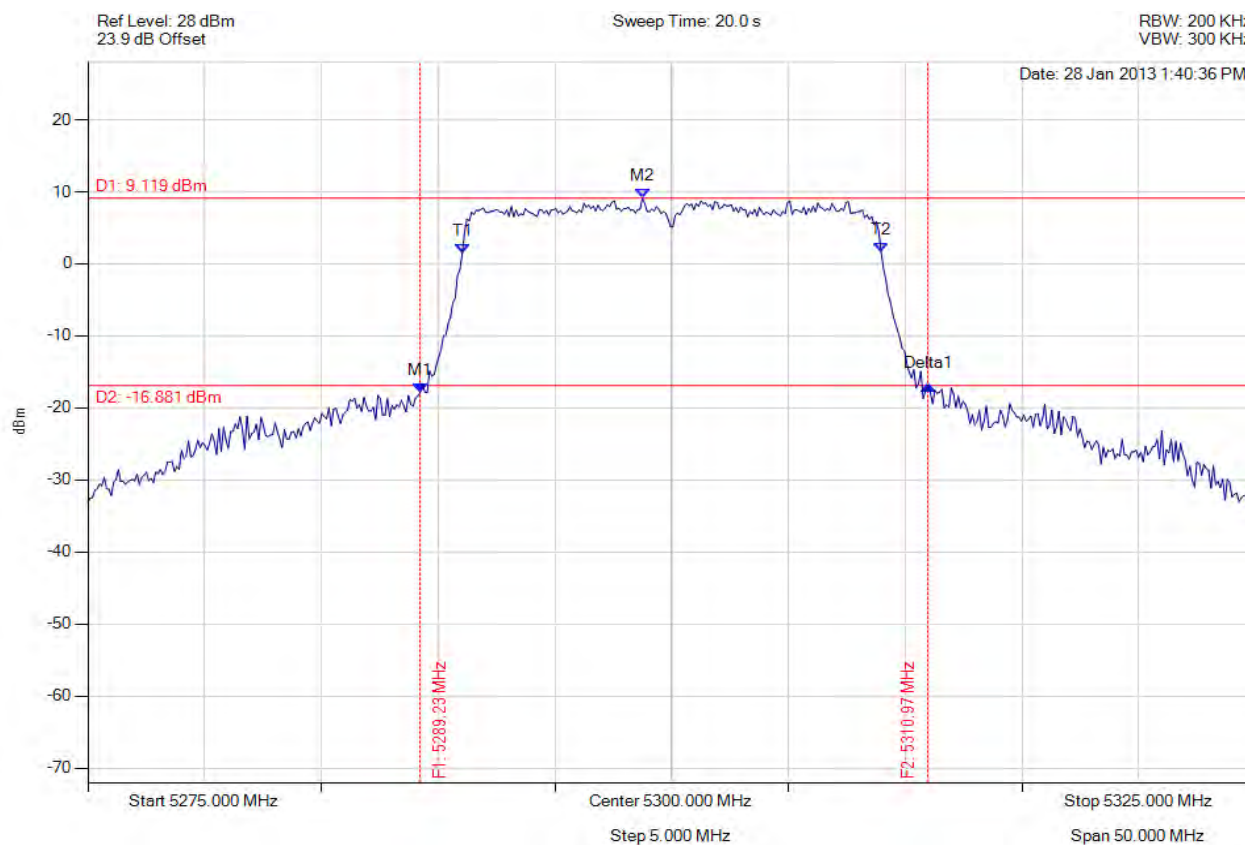


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## 26 dB & 99% BANDWIDTH

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



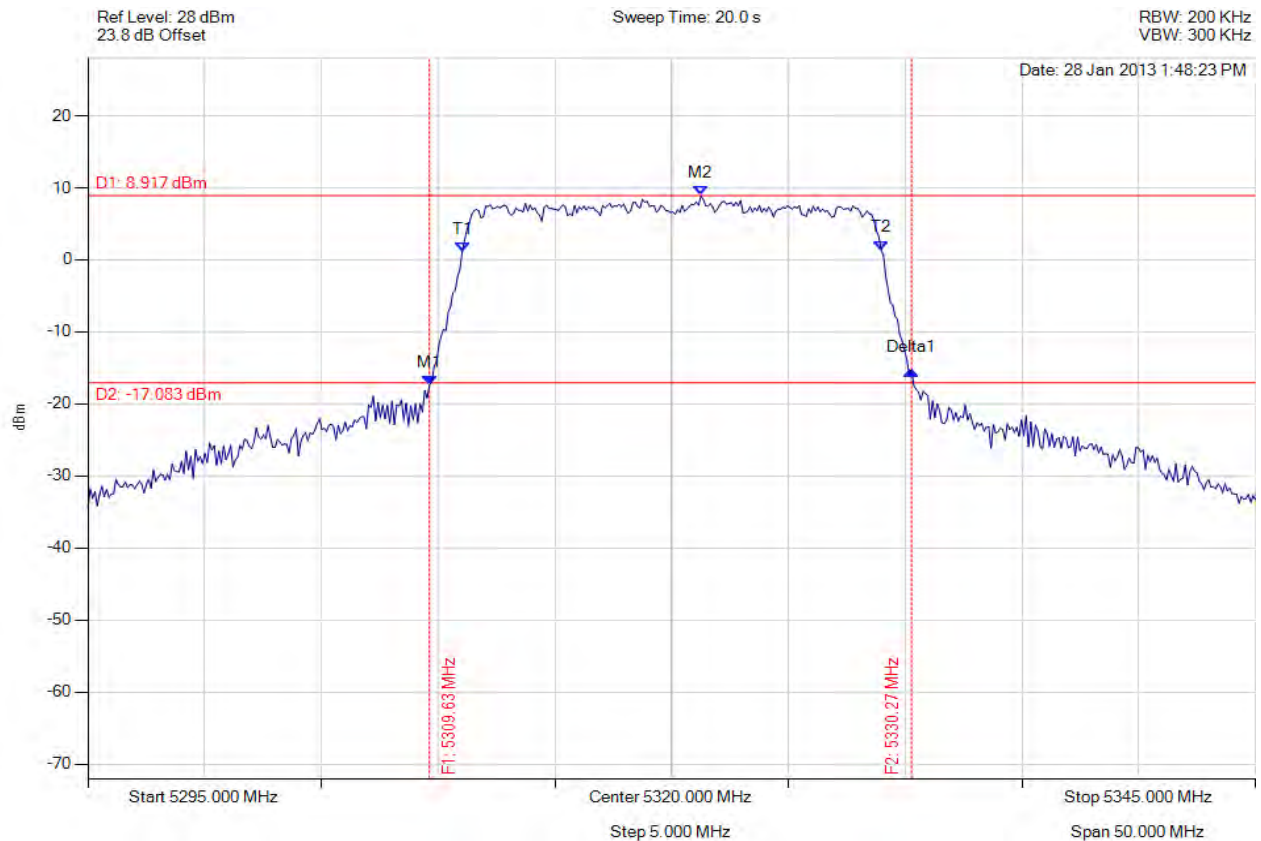
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5289.228 MHz : -17.824 dBm M2 : 5298.747 MHz : 9.119 dBm Delta1 : 21.743 MHz : 0.946 dB T1 : 5291.032 MHz : 1.447 dBm T2 : 5308.968 MHz : 1.620 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 21.743 MHz Measured 99% Bandwidth: 17.936 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 : 5309.629 MHz : -17.322 dBm M2 : 5321.253 MHz : 8.917 dBm Delta1 : 20.641 MHz : 2.030 dB T1 : 5311.032 MHz : 1.183 dBm T2 : 5328.968 MHz : 1.378 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.936 MHz

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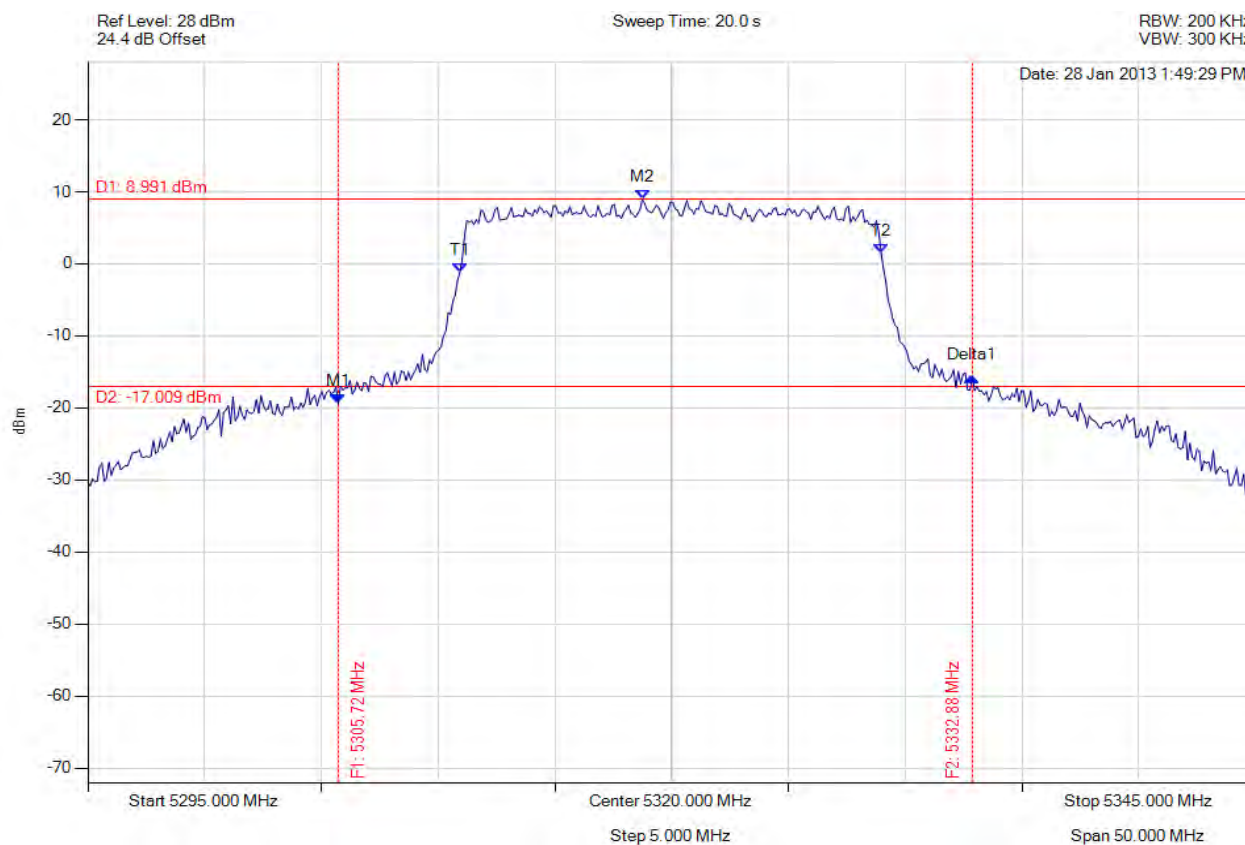


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### 26 dB & 99% BANDWIDTH

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 : 5305.721 MHz : -19.455 dBm M2 : 5318.747 MHz : 8.991 dBm Delta1 : 27.154 MHz : 3.693 dB T1 : 5310.932 MHz : -1.196 dBm T2 : 5328.968 MHz : 1.508 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 27.154 MHz Measured 99% Bandwidth: 18.036 MHz

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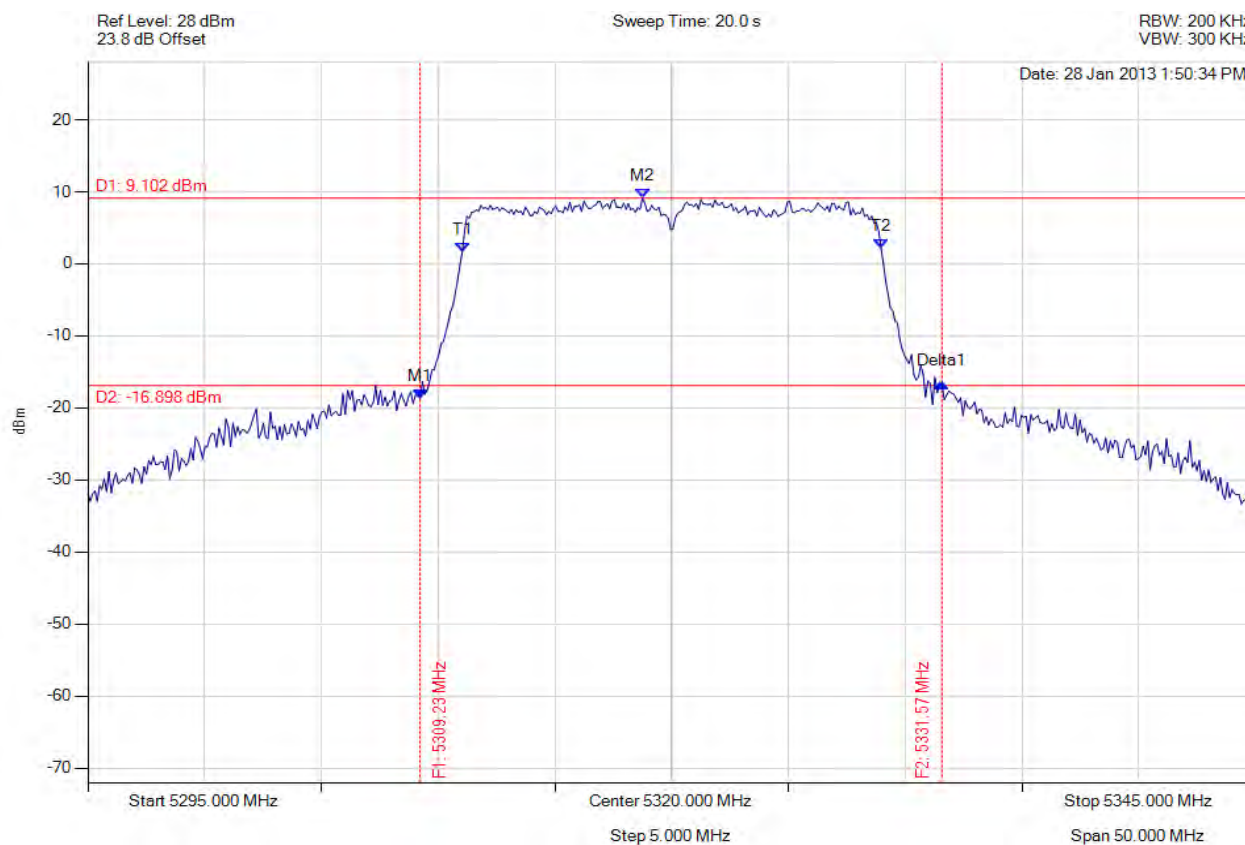


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## 26 dB & 99% BANDWIDTH

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 : 5309.228 MHz : -18.683 dBm M2 : 5318.747 MHz : 9.102 dBm Delta1 : 22.345 MHz : 2.107 dB T1 : 5311.032 MHz : 1.657 dBm T2 : 5328.968 MHz : 2.123 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 22.345 MHz Measured 99% Bandwidth: 17.936 MHz

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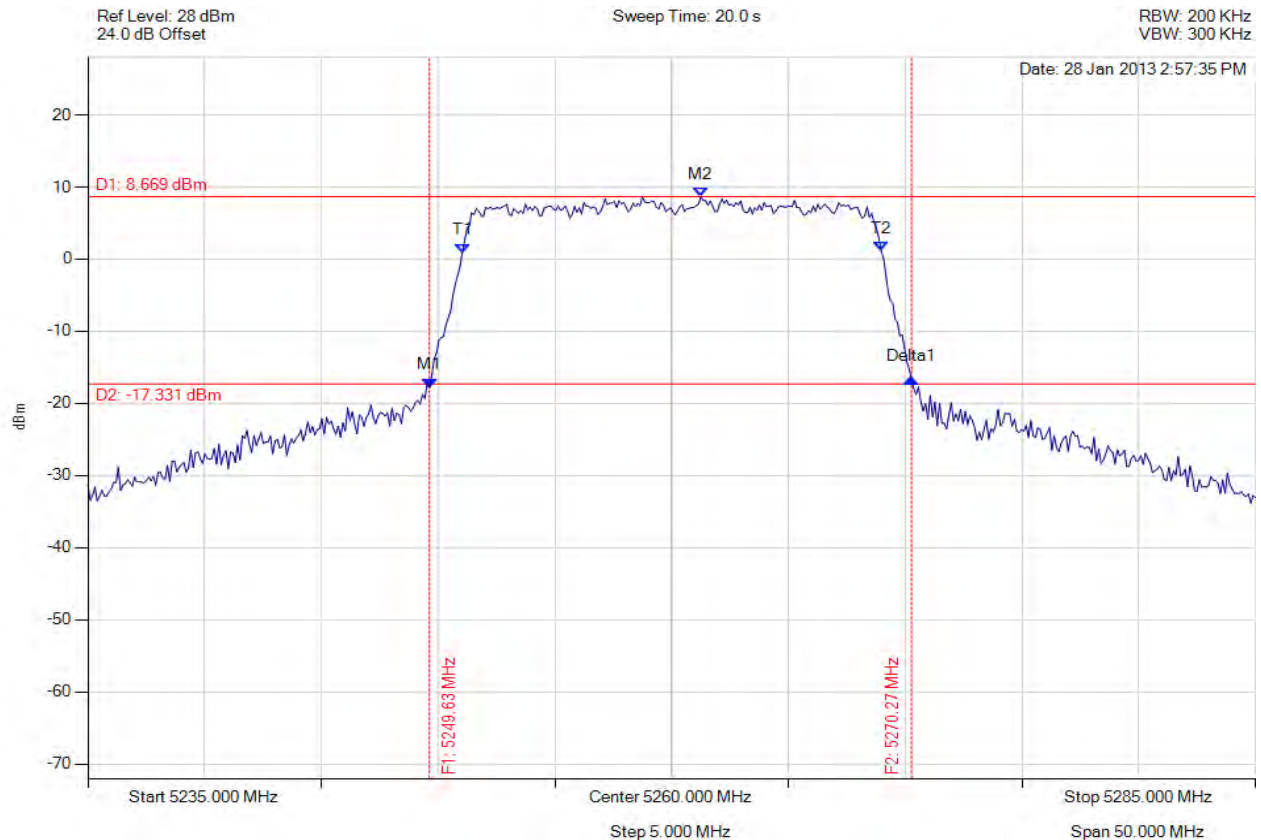


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#### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5249.629 MHz : -17.798 dBm M2 : 5261.253 MHz : 8.669 dBm Delta1 : 20.641 MHz : 1.196 dB T1 : 5251.032 MHz : 0.886 dBm T2 : 5268.968 MHz : 1.199 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.936 MHz

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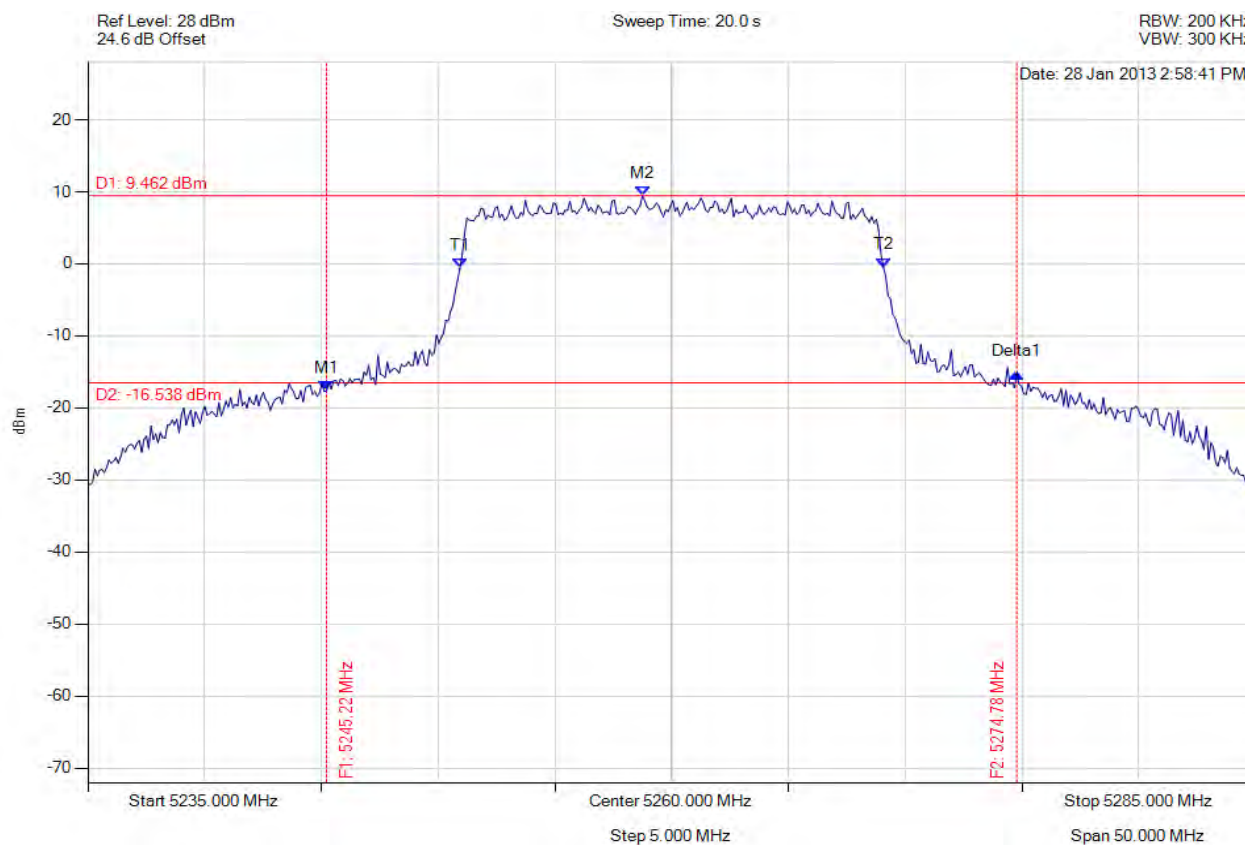


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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5245.220 MHz : -17.623 dBm M2 : 5258.747 MHz : 9.462 dBm Delta1 : 29.559 MHz : 2.426 dB T1 : 5250.932 MHz : -0.592 dBm T2 : 5269.068 MHz : -0.460 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 29.559 MHz Measured 99% Bandwidth: 18.136 MHz

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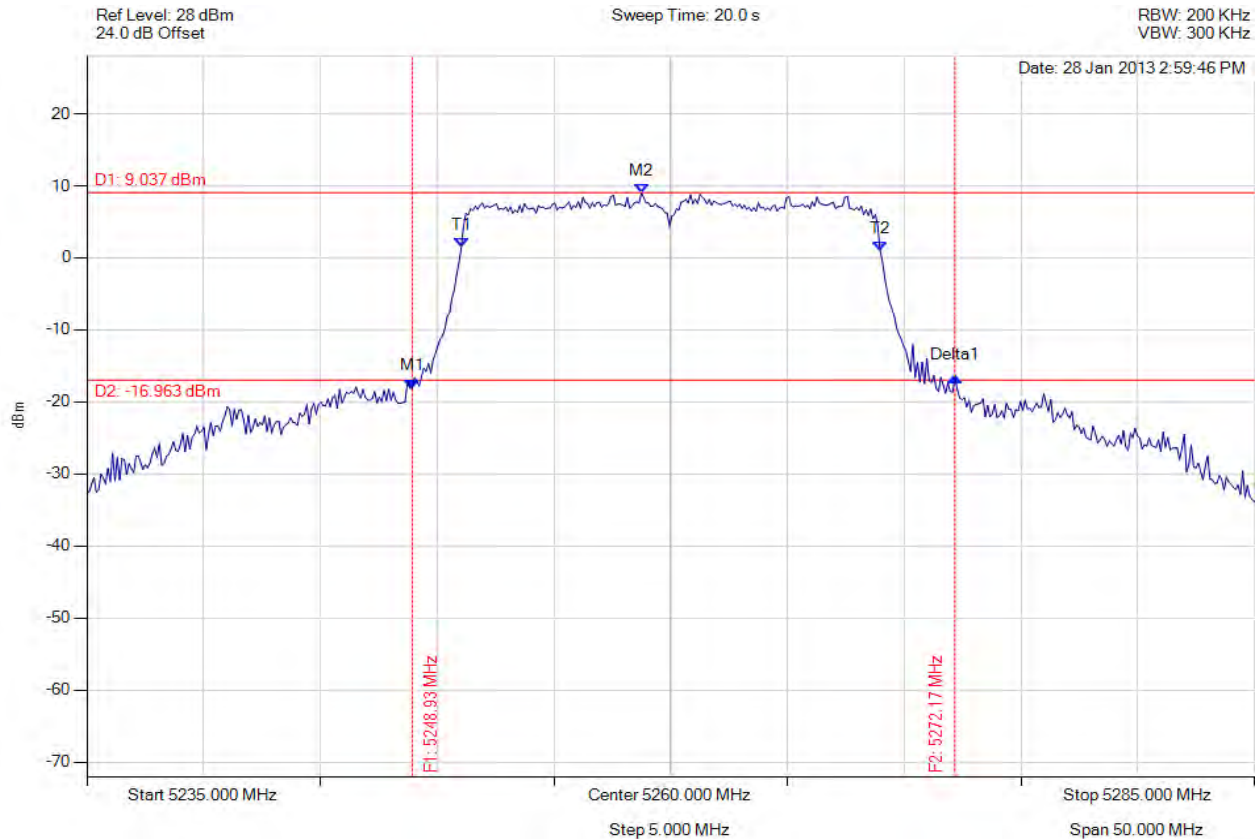


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#### 26 dB & 99% BANDWIDTH

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5248.928 MHz : -18.131 dBm M2 : 5258.747 MHz : 9.037 dBm Delta1 : 23.246 MHz : 1.576 dB T1 : 5251.032 MHz : 1.388 dBm T2 : 5268.968 MHz : 0.984 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 23.246 MHz Measured 99% Bandwidth: 17.936 MHz

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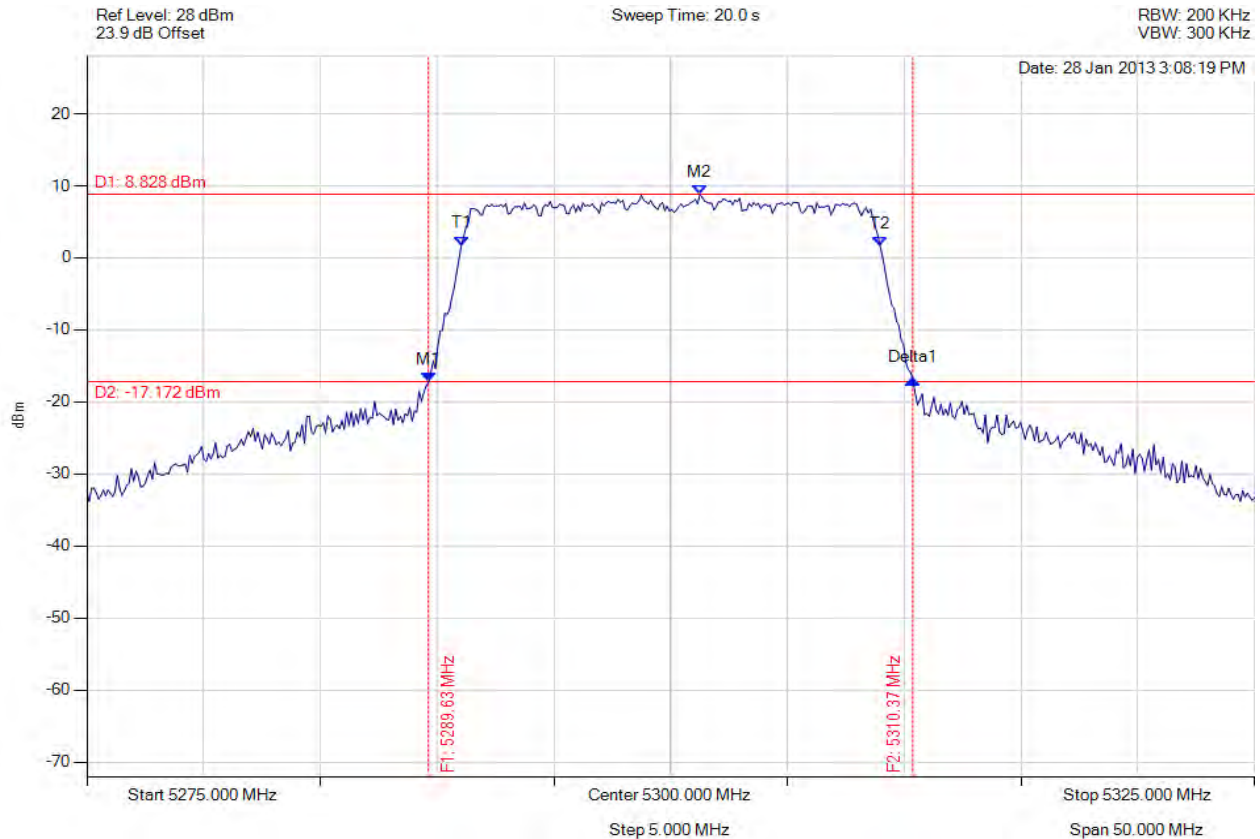


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# **26 dB & 99% BANDWIDTH**

Variant: 802.11n HT-20, Channel: 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 : 5289.629 MHz : -17.257 dBm M2 : 5301.253 MHz : 8.828 dBm Delta1 : 20.741 MHz : 0.403 dB T1 : 5291.032 MHz : 1.714 dBm T2 : 5308.968 MHz : 1.600 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.741 MHz Measured 99% Bandwidth: 17.936 MHz

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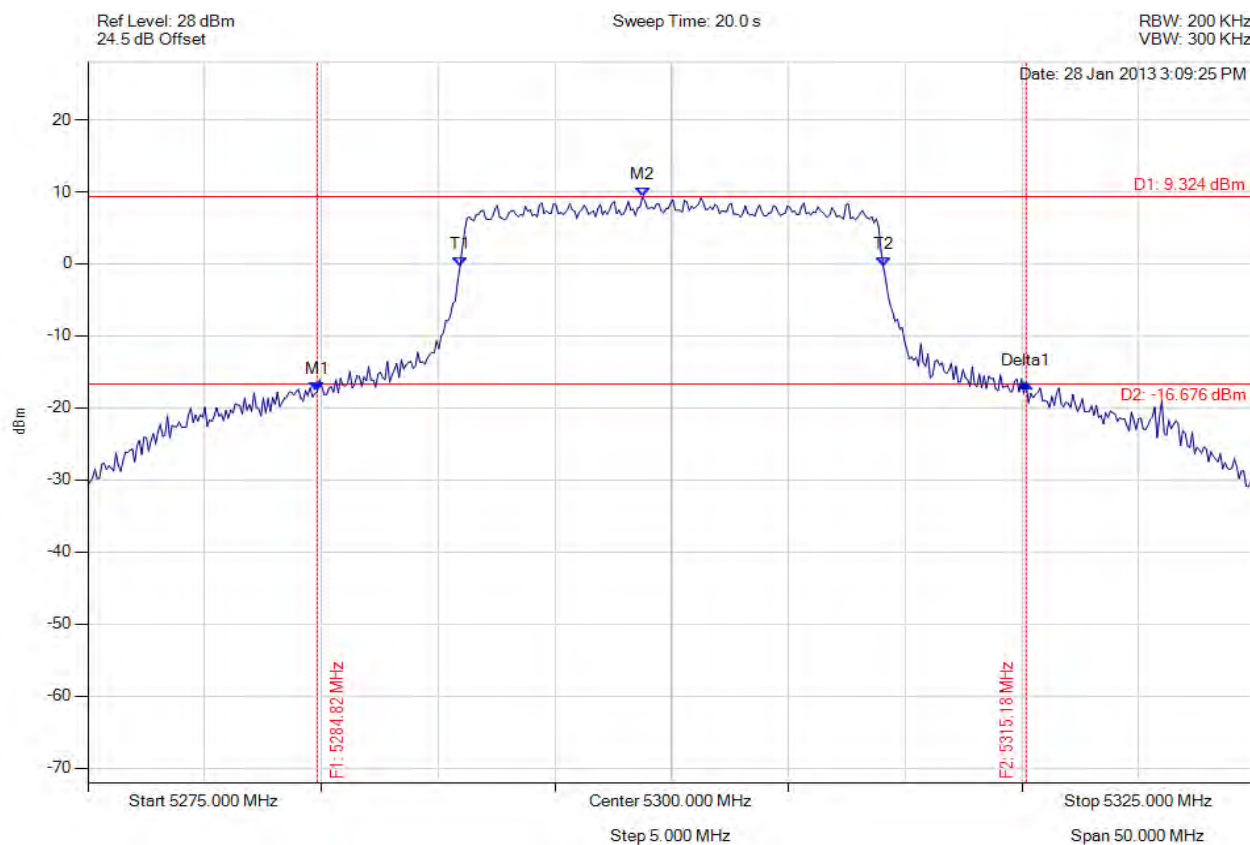


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#### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5284.820 MHz : -17.751 dBm M2 : 5298.747 MHz : 9.324 dBm Delta1 : 30.361 MHz : 1.165 dB T1 : 5290.932 MHz : -0.397 dBm T2 : 5309.068 MHz : -0.442 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 30.361 MHz Measured 99% Bandwidth: 18.136 MHz

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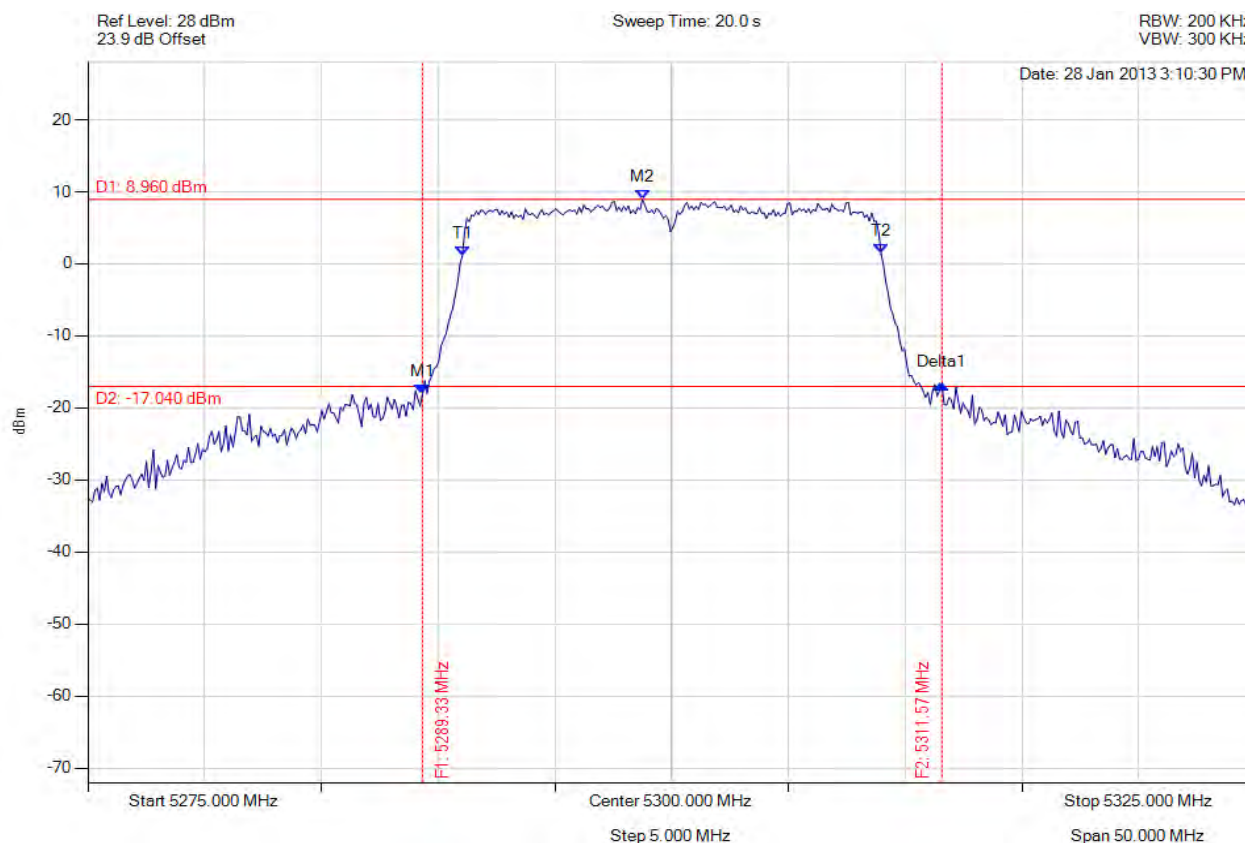


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# **26 dB & 99% BANDWIDTH**

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 : 5289.329 MHz : -18.115 dBm M2 : 5298.747 MHz : 8.960 dBm Delta1 : 22.244 MHz : 1.348 dB T1 : 5291.032 MHz : 1.096 dBm T2 : 5308.968 MHz : 1.393 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 22.244 MHz Measured 99% Bandwidth: 17.936 MHz

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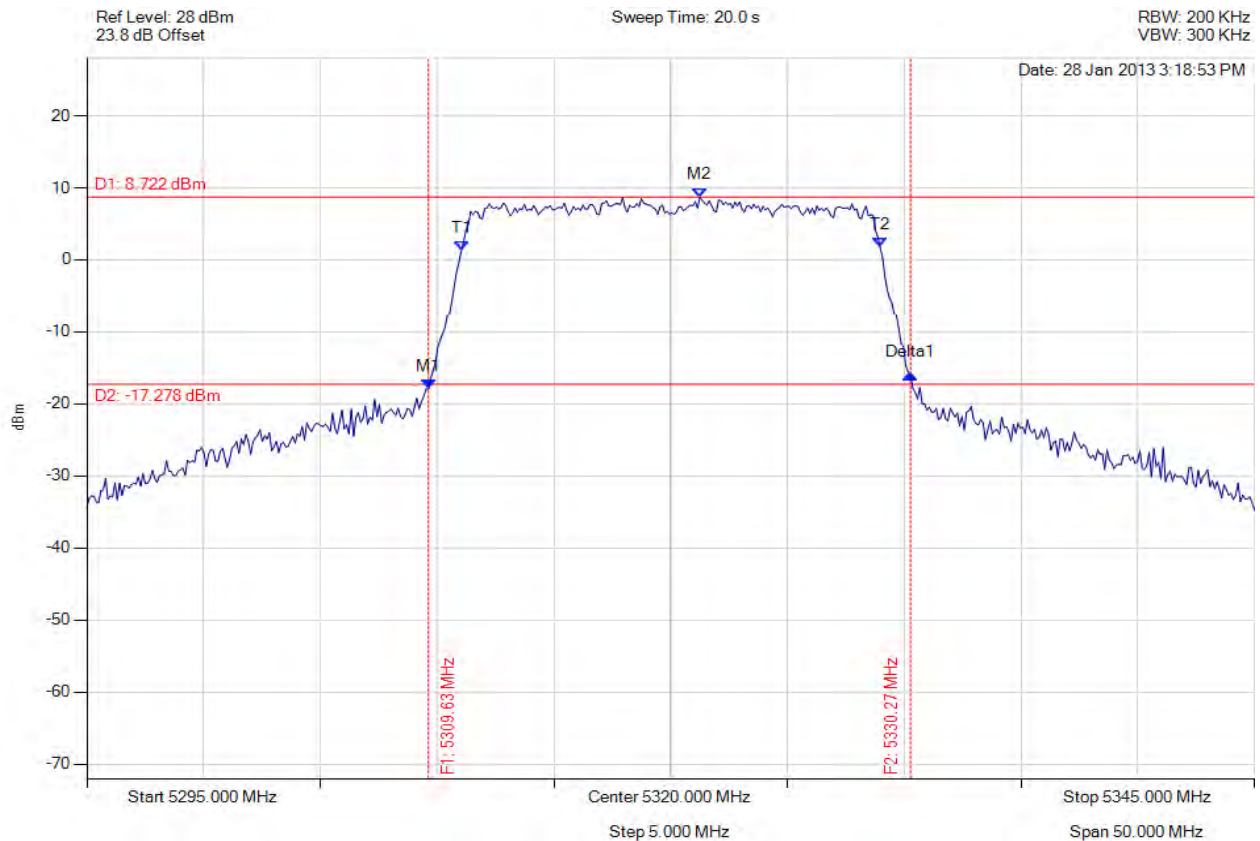


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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5309.629 MHz : -17.924 dBm M2 : 5321.253 MHz : 8.722 dBm Delta1 : 20.641 MHz : 2.089 dB T1 : 5311.032 MHz : 1.246 dBm T2 : 5328.968 MHz : 1.742 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.936 MHz

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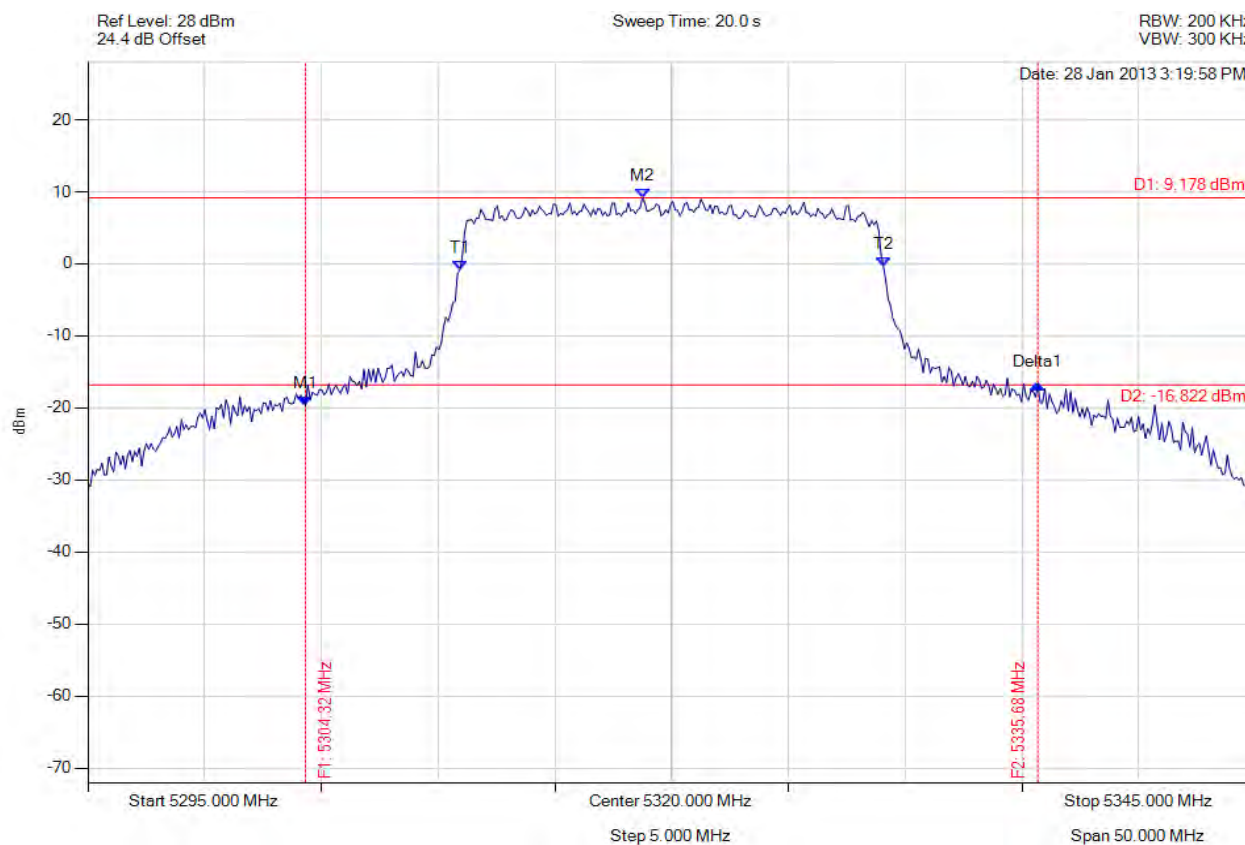


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## 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5304.319 MHz : -19.689 dBm M2 : 5318.747 MHz : 9.178 dBm Delta1 : 31.363 MHz : 2.937 dB T1 : 5310.932 MHz : -0.851 dBm T2 : 5329.068 MHz : -0.324 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 31.363 MHz Measured 99% Bandwidth: 18.136 MHz

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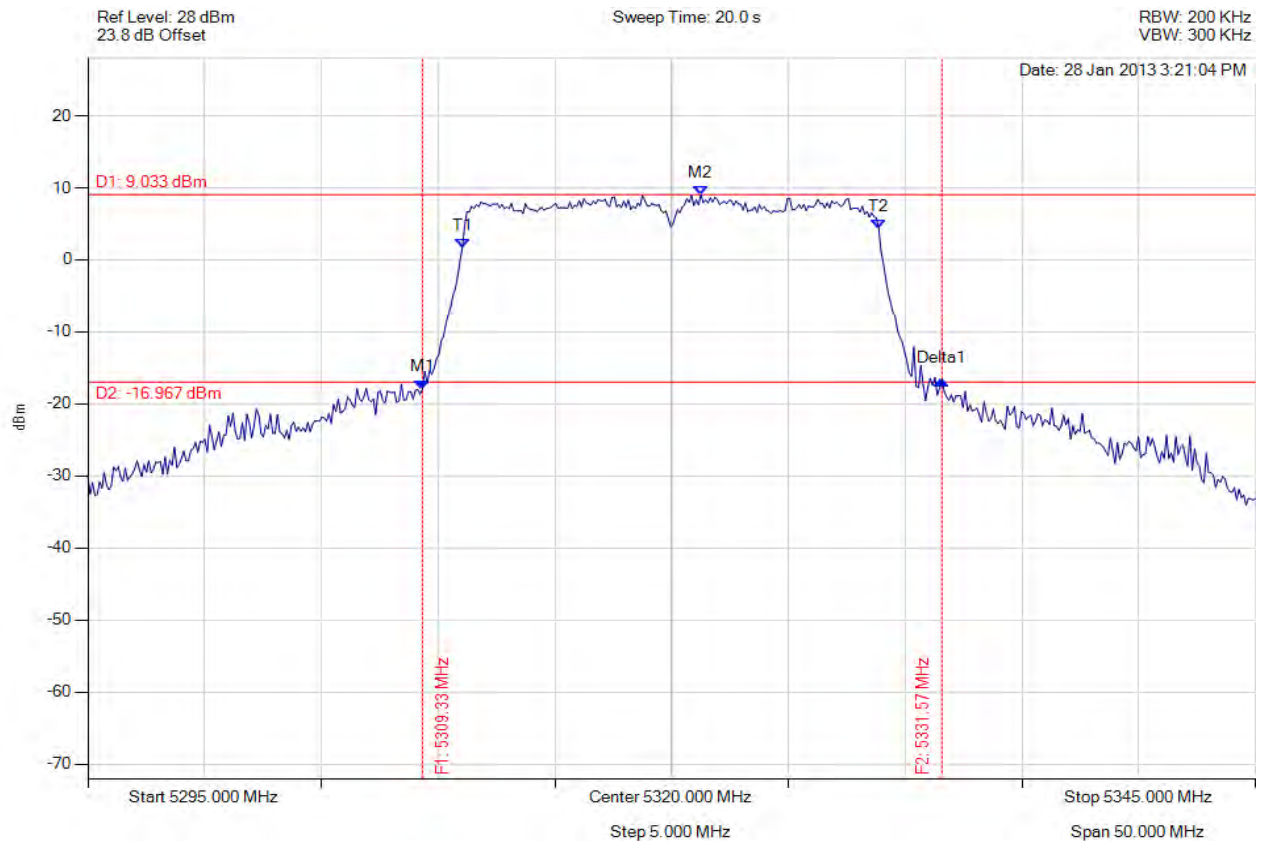


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#### 26 dB & 99% BANDWIDTH

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 : 5309.329 MHz : -17.963 dBm M2 : 5321.253 MHz : 9.033 dBm Delta1 : 22.244 MHz : 1.269 dB T1 : 5311.032 MHz : 1.598 dBm T2 : 5328.868 MHz : 4.317 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 22.244 MHz Measured 99% Bandwidth: 17.836 MHz

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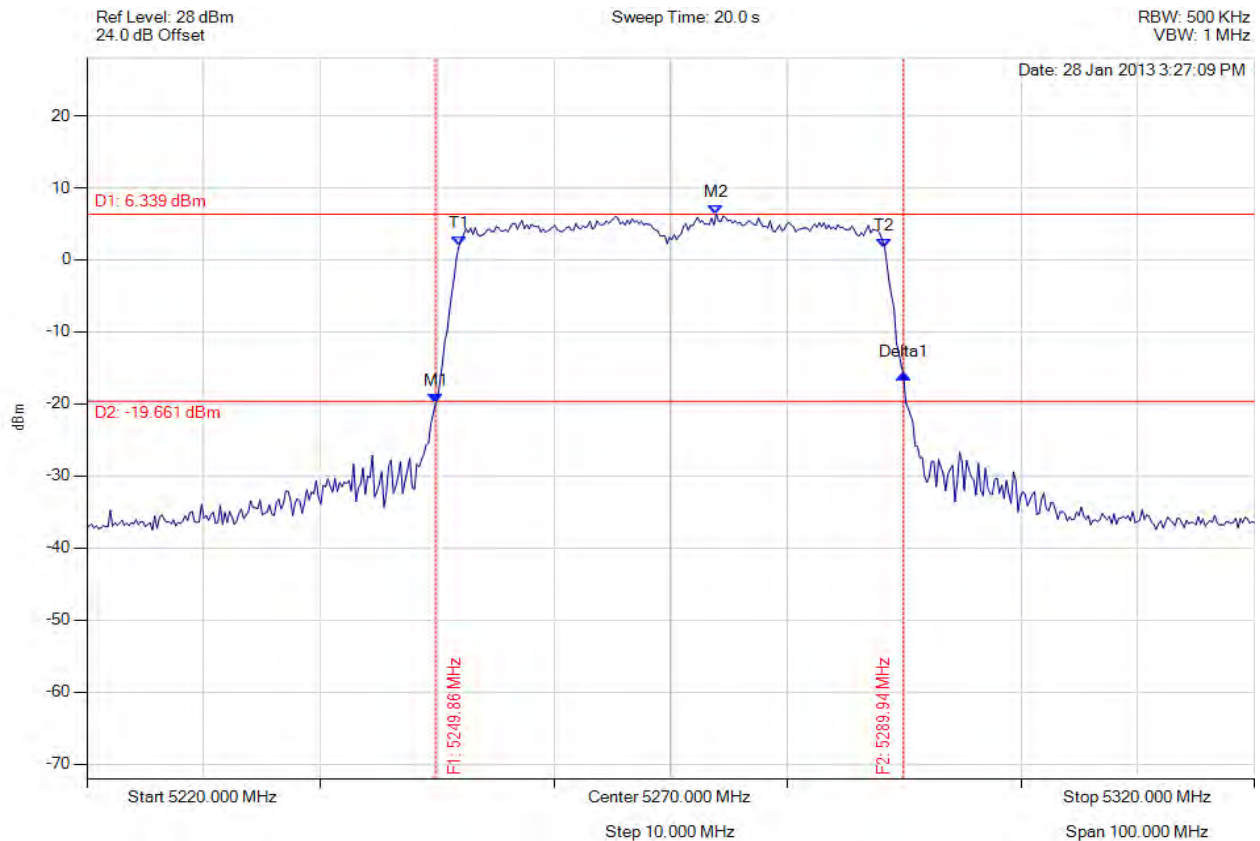


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# **26 dB & 99% BANDWIDTH**

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 : 5249.860 MHz : -19.954 dBm M2 : 5273.908 MHz : 6.339 dBm Delta1 : 40.080 MHz : 4.017 dB T1 : 5251.864 MHz : 1.891 dBm T2 : 5288.337 MHz : 1.630 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 40.080 MHz Measured 99% Bandwidth: 36.473 MHz

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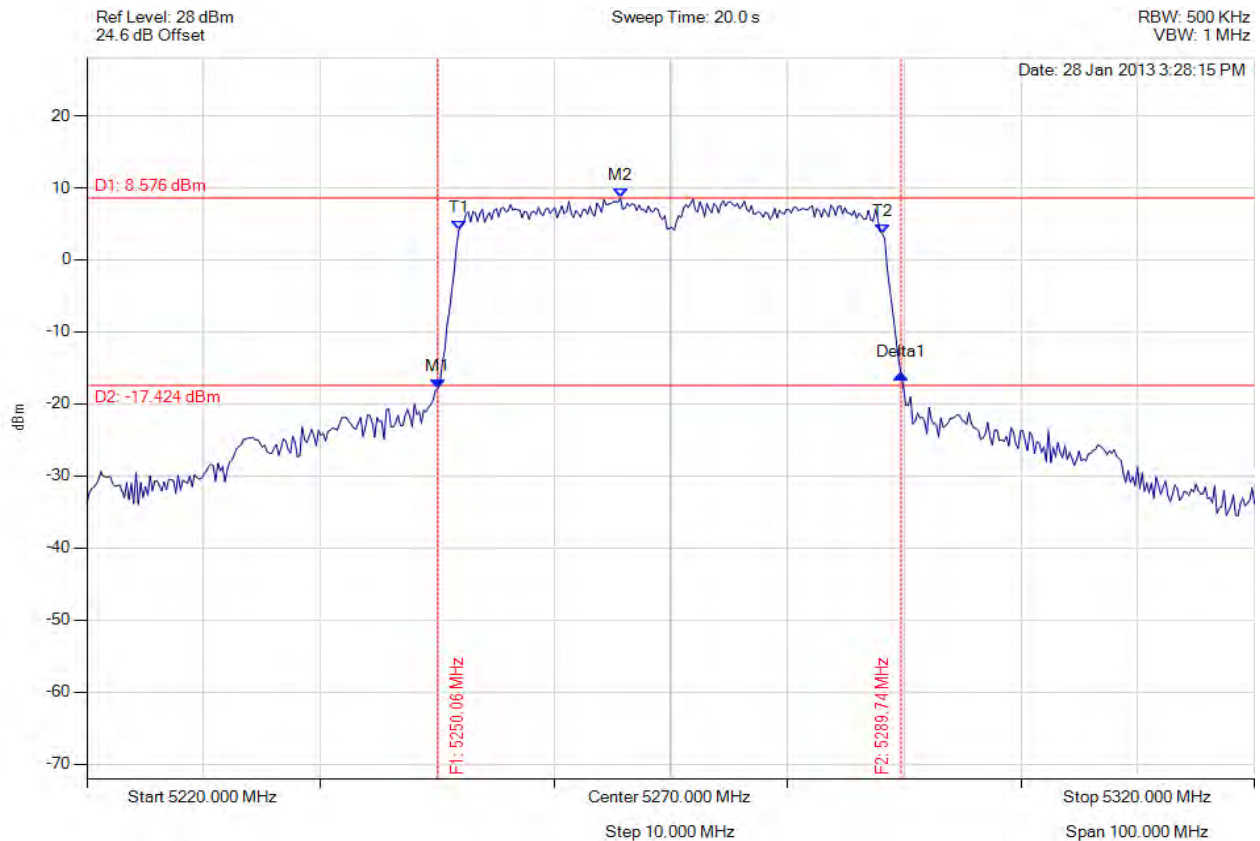


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## 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain 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 : 5250.060 MHz : -17.873 dBm M2 : 5265.691 MHz : 8.576 dBm Delta1 : 39.679 MHz : 1.948 dB T1 : 5251.864 MHz : 4.187 dBm T2 : 5288.136 MHz : 3.593 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.679 MHz Measured 99% Bandwidth: 36.273 MHz

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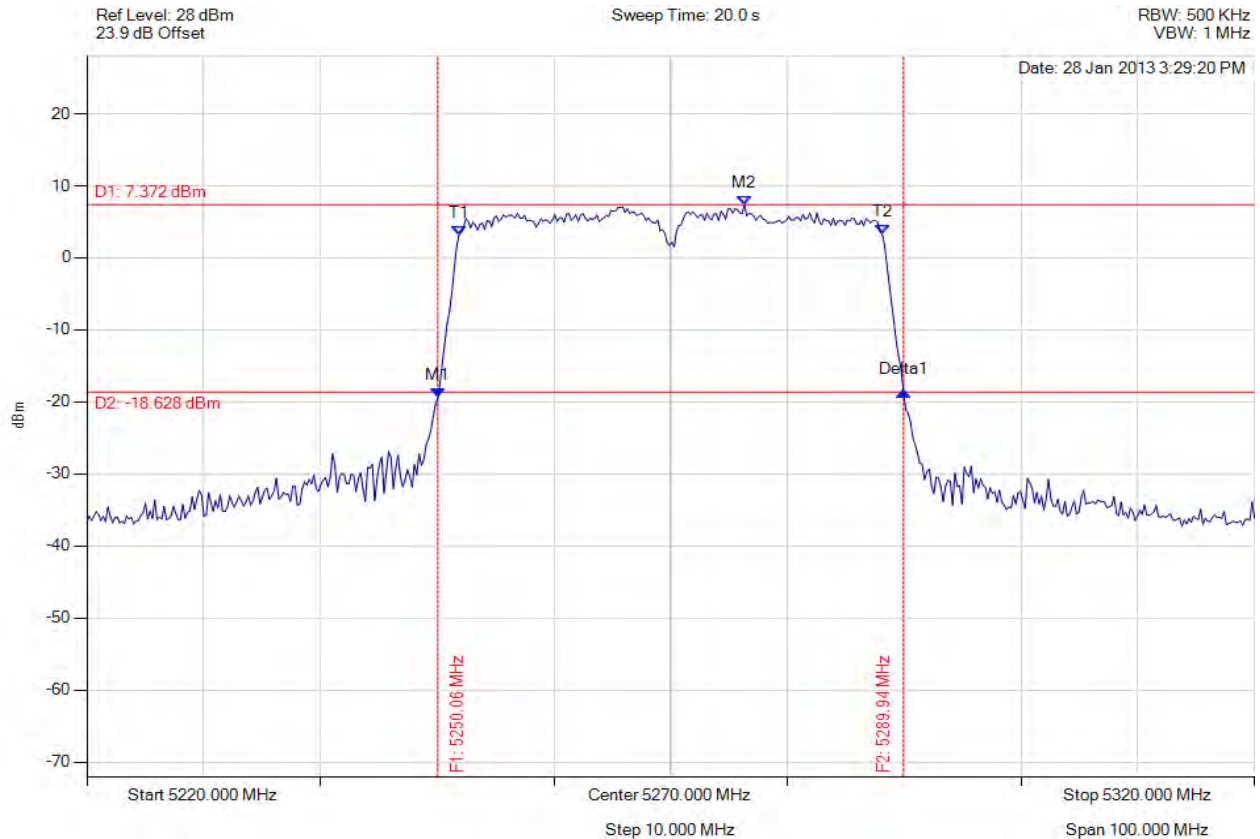


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#### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 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 : 5250.060 MHz : -19.435 dBm M2 : 5276.313 MHz : 7.372 dBm Delta1 : 39.880 MHz : 0.921 dB T1 : 5251.864 MHz : 3.198 dBm T2 : 5288.136 MHz : 3.245 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.880 MHz Measured 99% Bandwidth: 36.273 MHz

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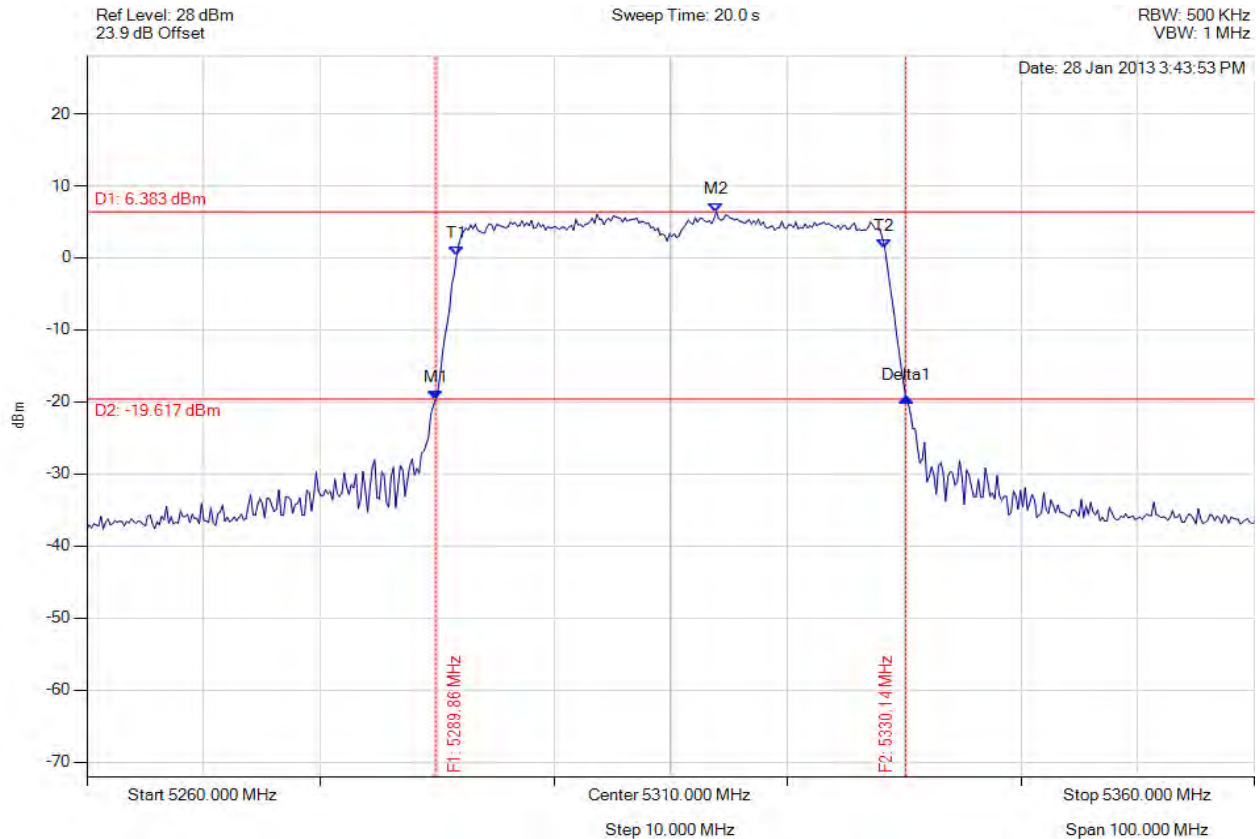


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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# **26 dB & 99% BANDWIDTH**

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 : 5289.860 MHz : -19.781 dBm M2 : 5313.908 MHz : 6.383 dBm Delta1 : 40.281 MHz : 0.411 dB T1 : 5291.663 MHz : 0.241 dBm T2 : 5328.337 MHz : 1.348 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.281 MHz Measured 99% Bandwidth: 36.673 MHz

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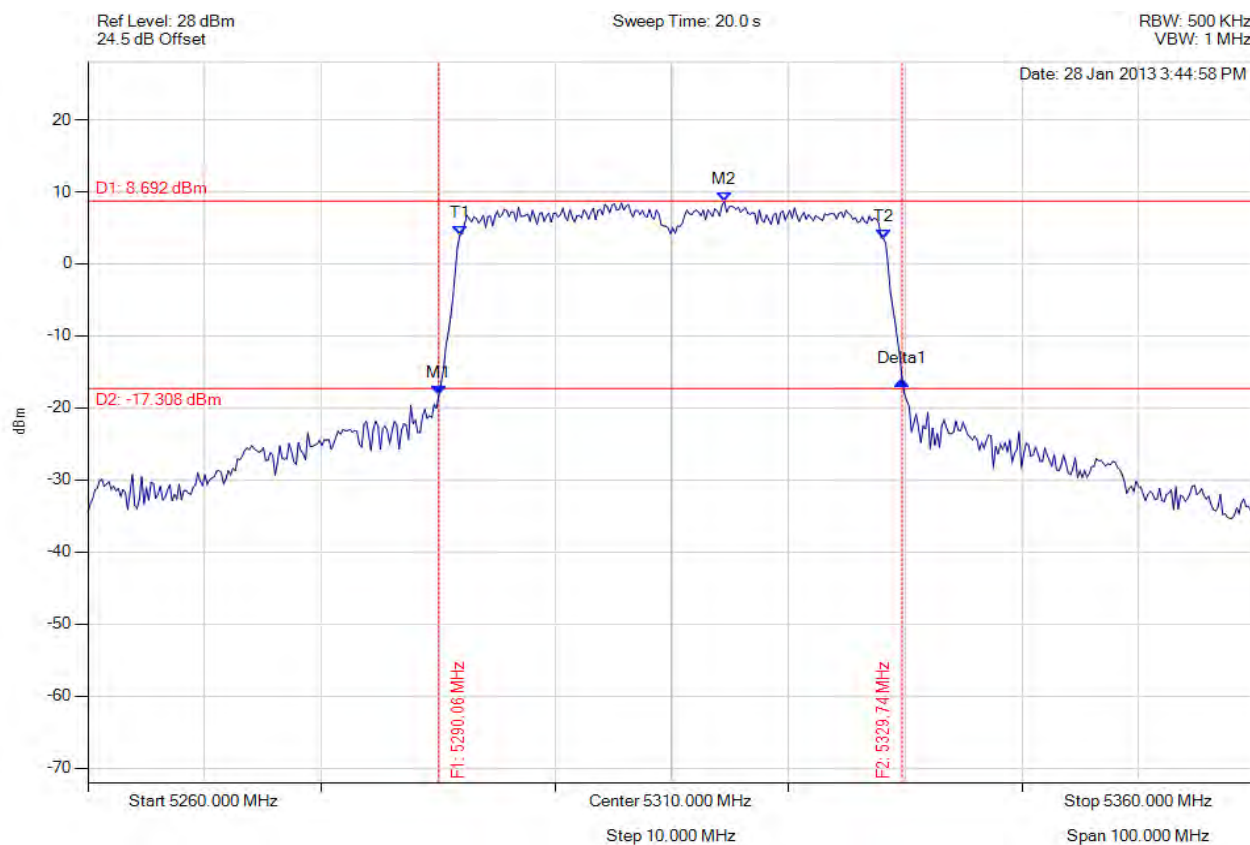


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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### 26 dB & 99% BANDWIDTH

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 : 5290.060 MHz : -18.207 dBm M2 : 5314.509 MHz : 8.692 dBm Delta1 : 39.679 MHz : 2.050 dB T1 : 5291.864 MHz : 4.028 dBm T2 : 5328.136 MHz : 3.532 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.679 MHz Measured 99% Bandwidth: 36.273 MHz

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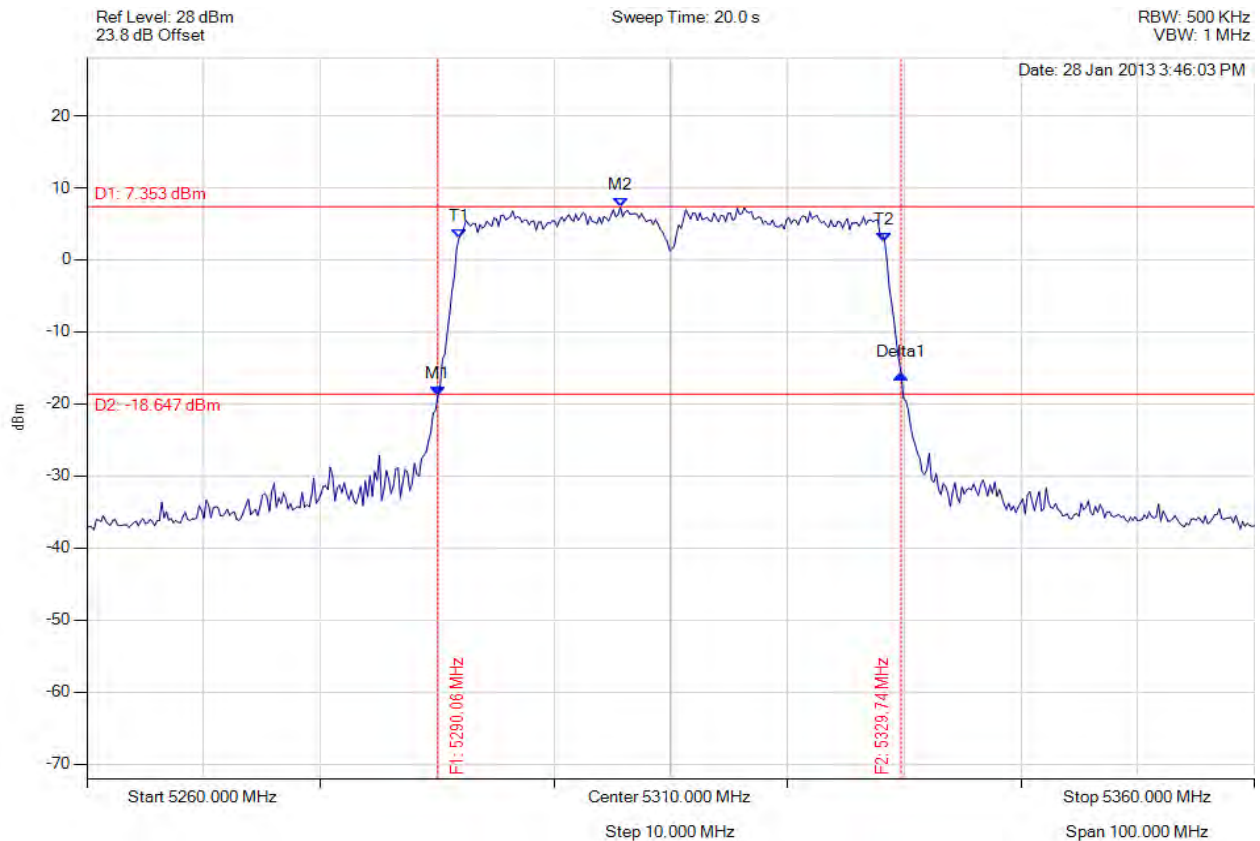


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5290.060 MHz : -18.864 dBm M2 : 5305.691 MHz : 7.353 dBm Delta1 : 39.679 MHz : 3.042 dB T1 : 5291.864 MHz : 2.991 dBm T2 : 5328.337 MHz : 2.519 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 39.679 MHz Measured 99% Bandwidth: 36.473 MHz

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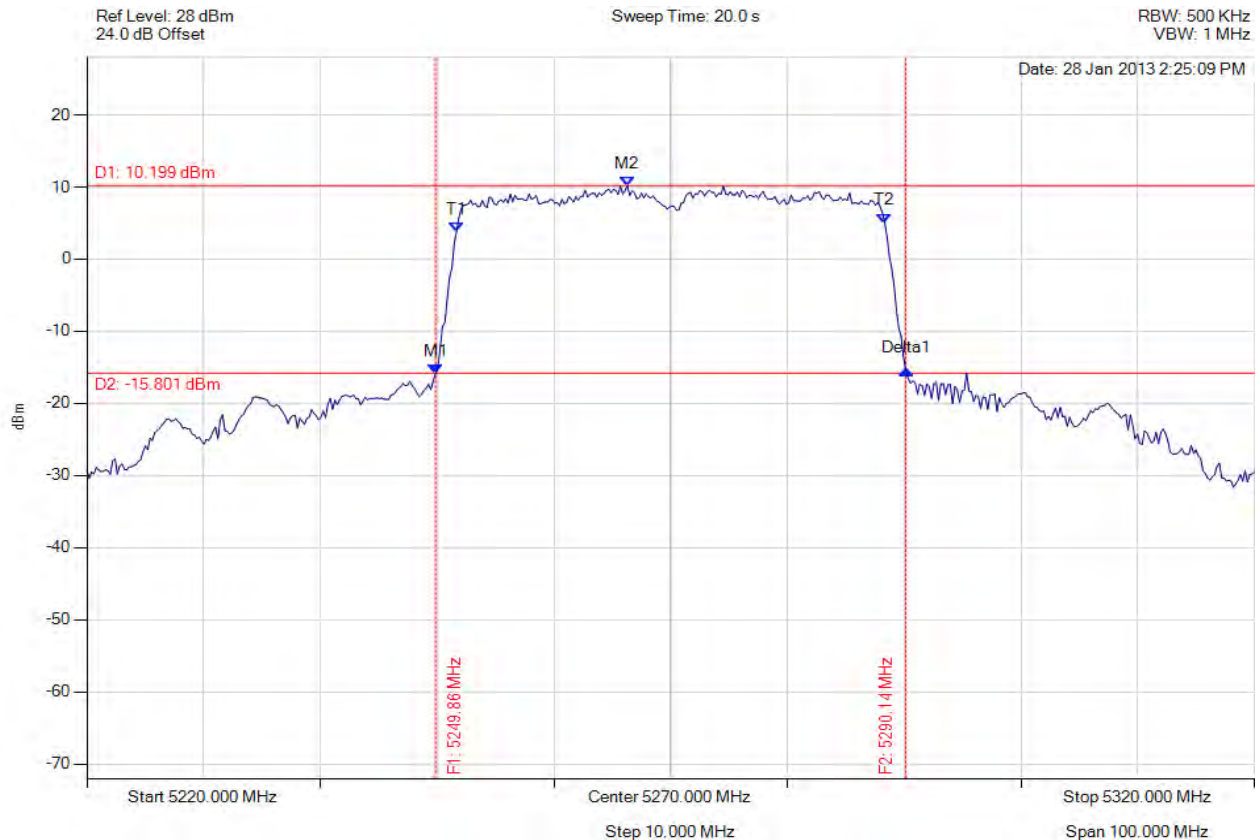


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5249.860 MHz : -15.866 dBm M2 : 5266.293 MHz : 10.199 dBm Delta1 : 40.281 MHz : 0.437 dB T1 : 5251.663 MHz : 3.861 dBm T2 : 5288.337 MHz : 5.055 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.281 MHz Measured 99% Bandwidth: 36.673 MHz

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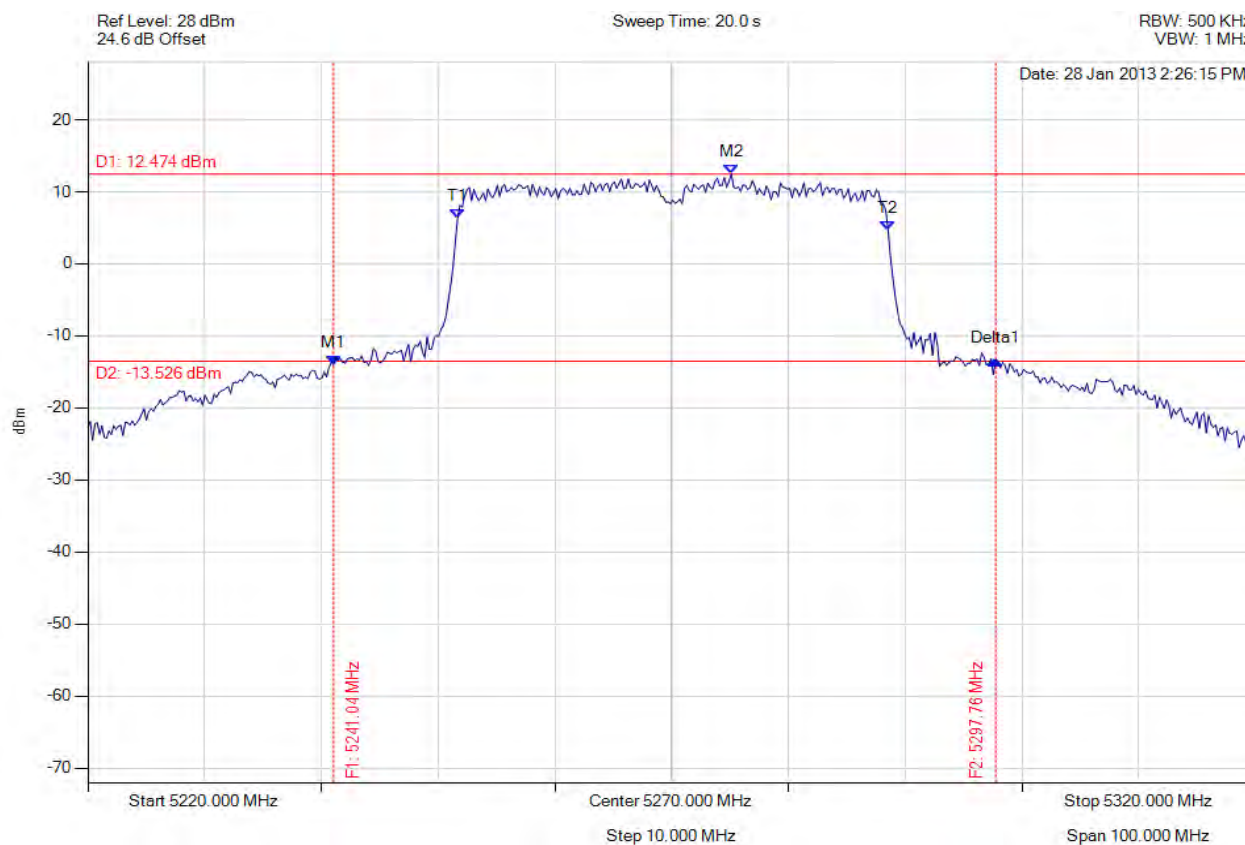


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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## 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5241.042 MHz : -13.987 dBm M2 : 5275.110 MHz : 12.474 dBm Delta1 : 56.713 MHz : 0.665 dB T1 : 5251.663 MHz : 6.310 dBm T2 : 5288.537 MHz : 4.642 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 56.713 MHz Measured 99% Bandwidth: 36.874 MHz

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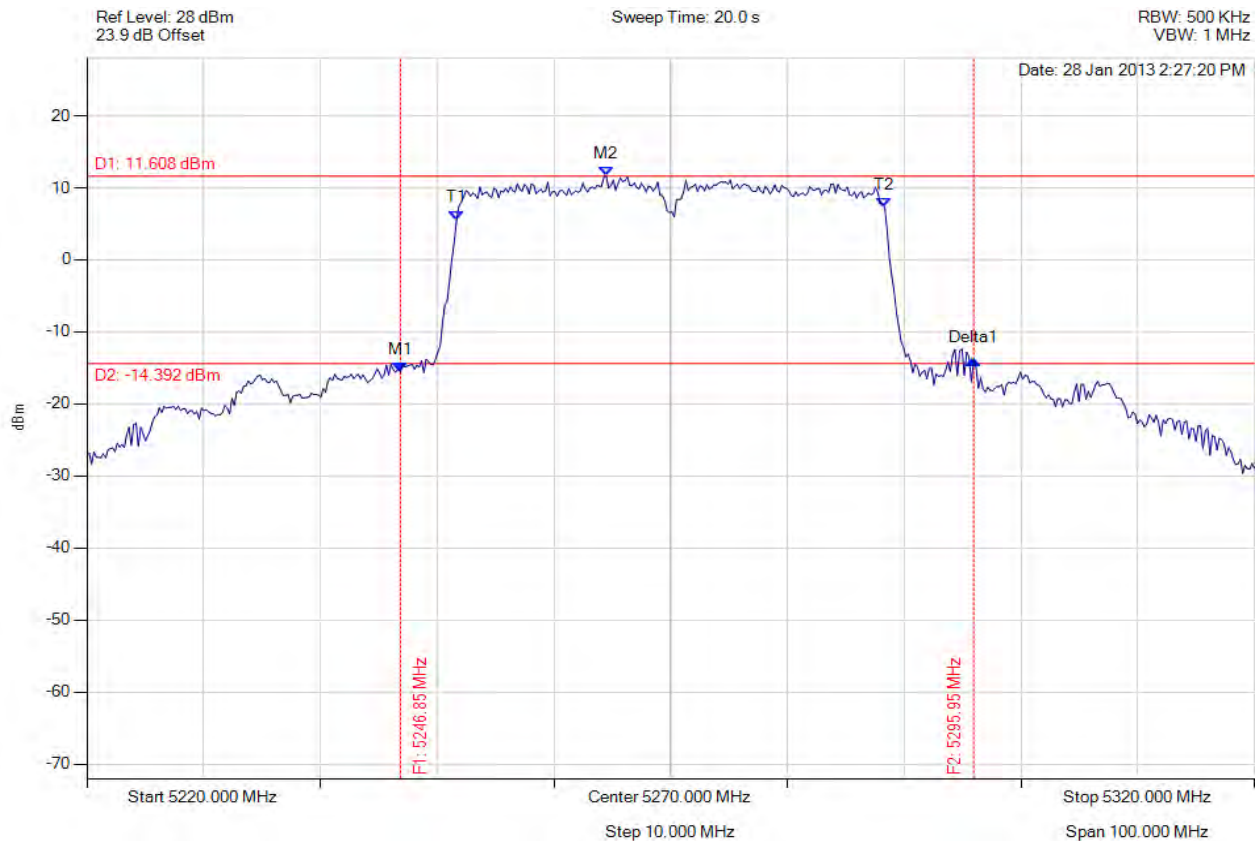


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5246.854 MHz : -15.591 dBm M2 : 5264.489 MHz : 11.608 dBm Delta1 : 49.098 MHz : 1.668 dB T1 : 5251.663 MHz : 5.543 dBm T2 : 5288.337 MHz : 7.229 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 49.098 MHz Measured 99% Bandwidth: 36.673 MHz

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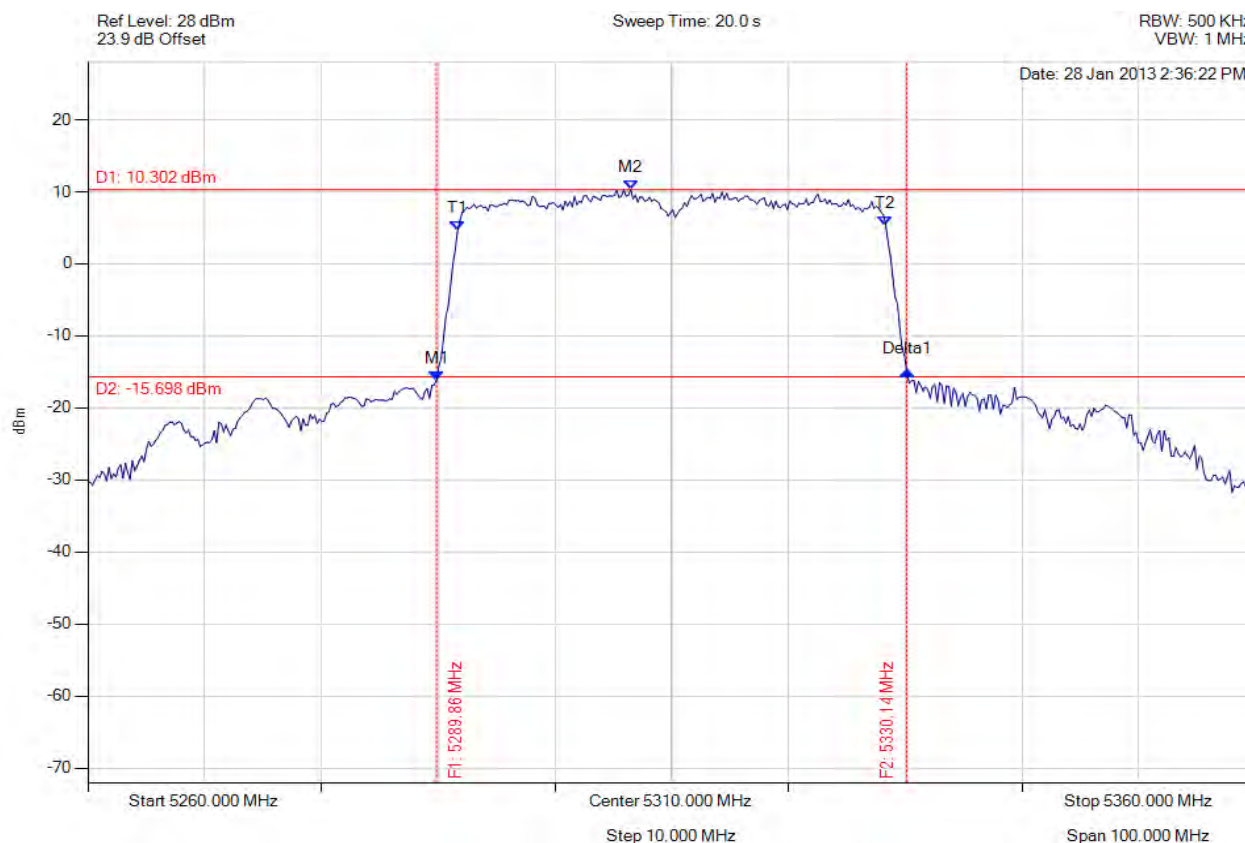


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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# **26 dB & 99% BANDWIDTH**

Variant: 802.11ac-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 : 5289.860 MHz : -16.197 dBm M2 : 5306.493 MHz : 10.302 dBm Delta1 : 40.281 MHz : 1.251 dB T1 : 5291.663 MHz : 4.604 dBm T2 : 5328.337 MHz : 5.366 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.281 MHz Measured 99% Bandwidth: 36.673 MHz

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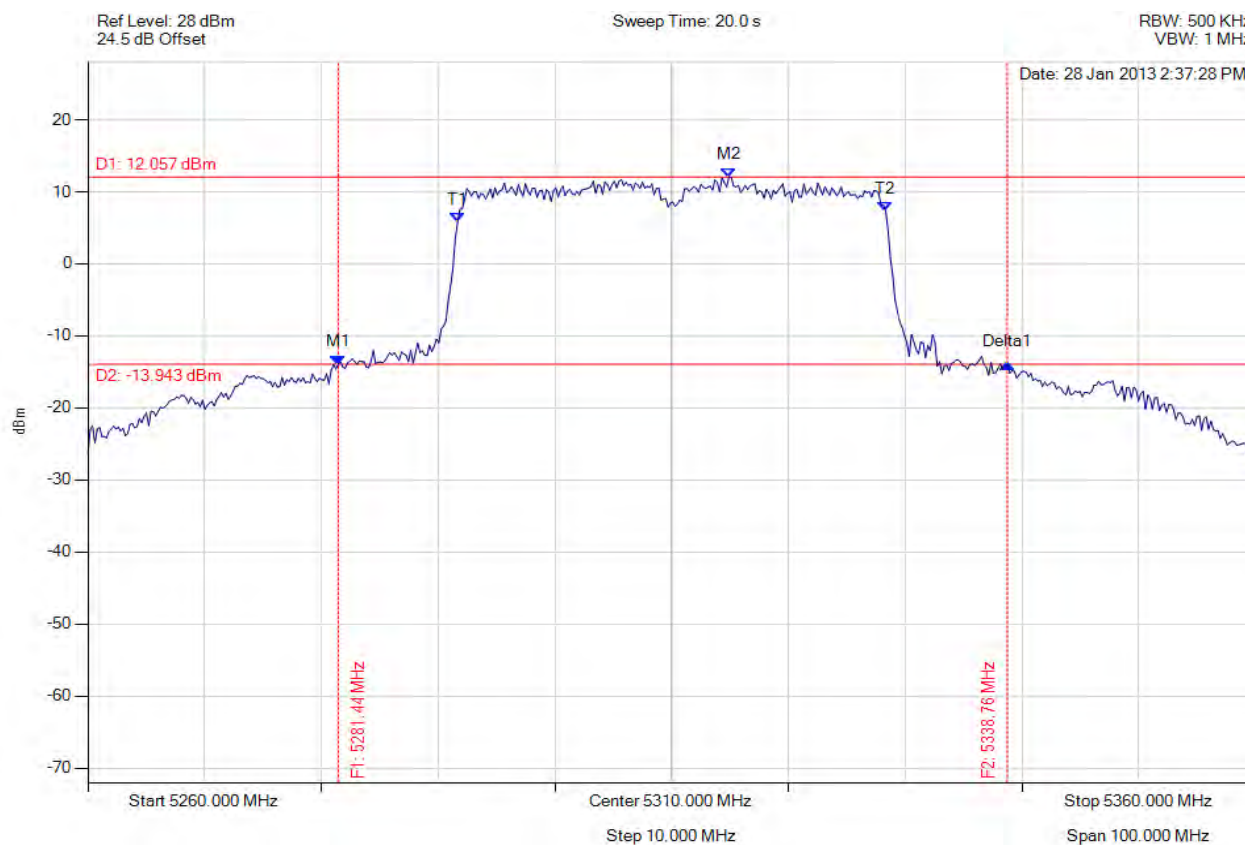


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

Variant: 802.11ac-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 : 5281.443 MHz : -13.964 dBm M2 : 5314.910 MHz : 12.057 dBm Delta1 : 57.315 MHz : 0.065 dB T1 : 5291.663 MHz : 5.730 dBm T2 : 5328.337 MHz : 7.315 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 57.315 MHz Measured 99% Bandwidth: 36.673 MHz

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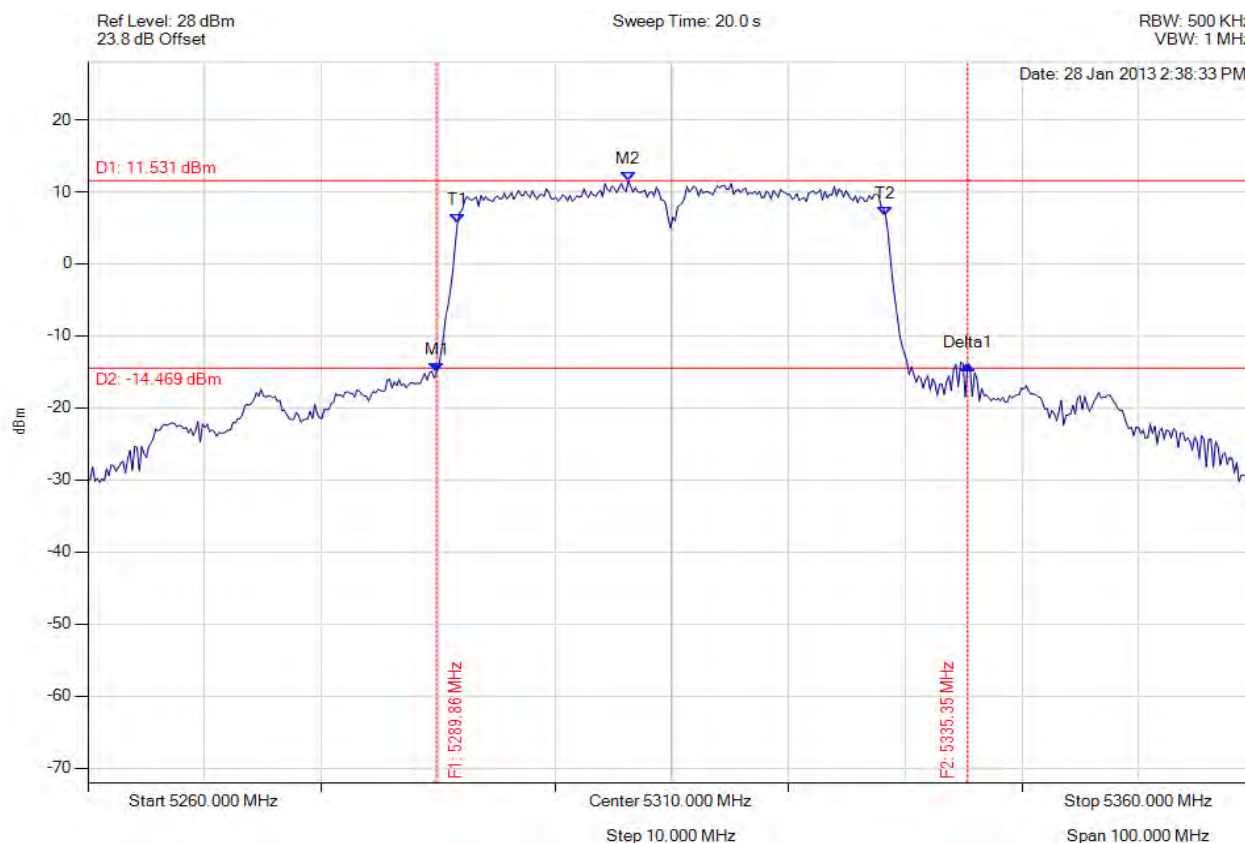


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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5289.860 MHz : -15.052 dBm M2 : 5306.293 MHz : 11.531 dBm Delta1 : 45.491 MHz : 1.011 dB T1 : 5291.663 MHz : 5.714 dBm T2 : 5328.337 MHz : 6.562 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 45.491 MHz Measured 99% Bandwidth: 36.673 MHz

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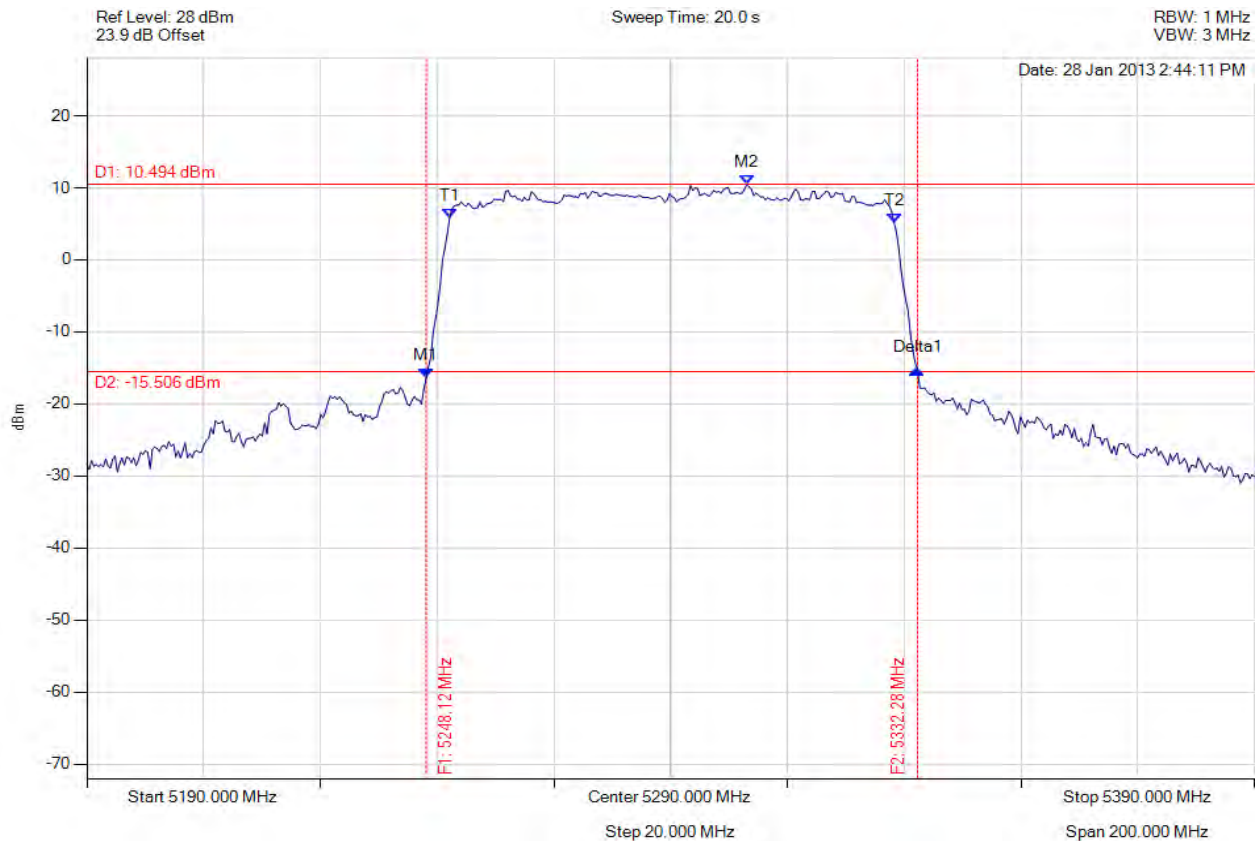


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#### 26 dB & 99% BANDWIDTH

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 : 5248.116 MHz : -16.450 dBm M2 : 5303.026 MHz : 10.494 dBm Delta1 : 84.168 MHz : 1.159 dB T1 : 5252.124 MHz : 5.765 dBm T2 : 5328.277 MHz : 5.167 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 84.168 MHz Measured 99% Bandwidth: 76.152 MHz

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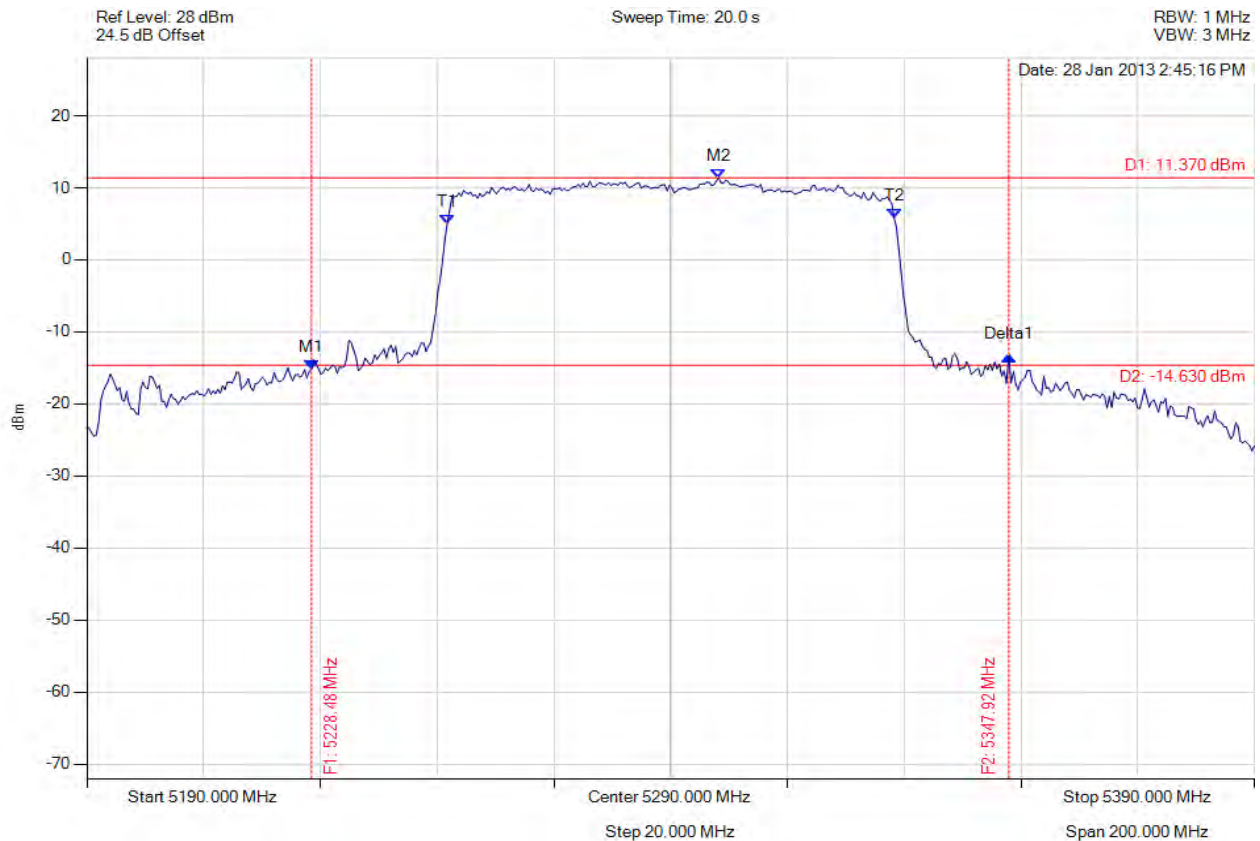


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

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 : 5228.477 MHz : -15.158 dBm M2 : 5298.216 MHz : 11.370 dBm Delta1 : 119.439 MHz : 1.782 dB T1 : 5251.723 MHz : 4.990 dBm T2 : 5328.277 MHz : 5.808 dBm OBW : 76.553 MHz	Measured 26 dB Bandwidth: 119.439 MHz M Measured 99% Bandwidth: 76.553 MHz

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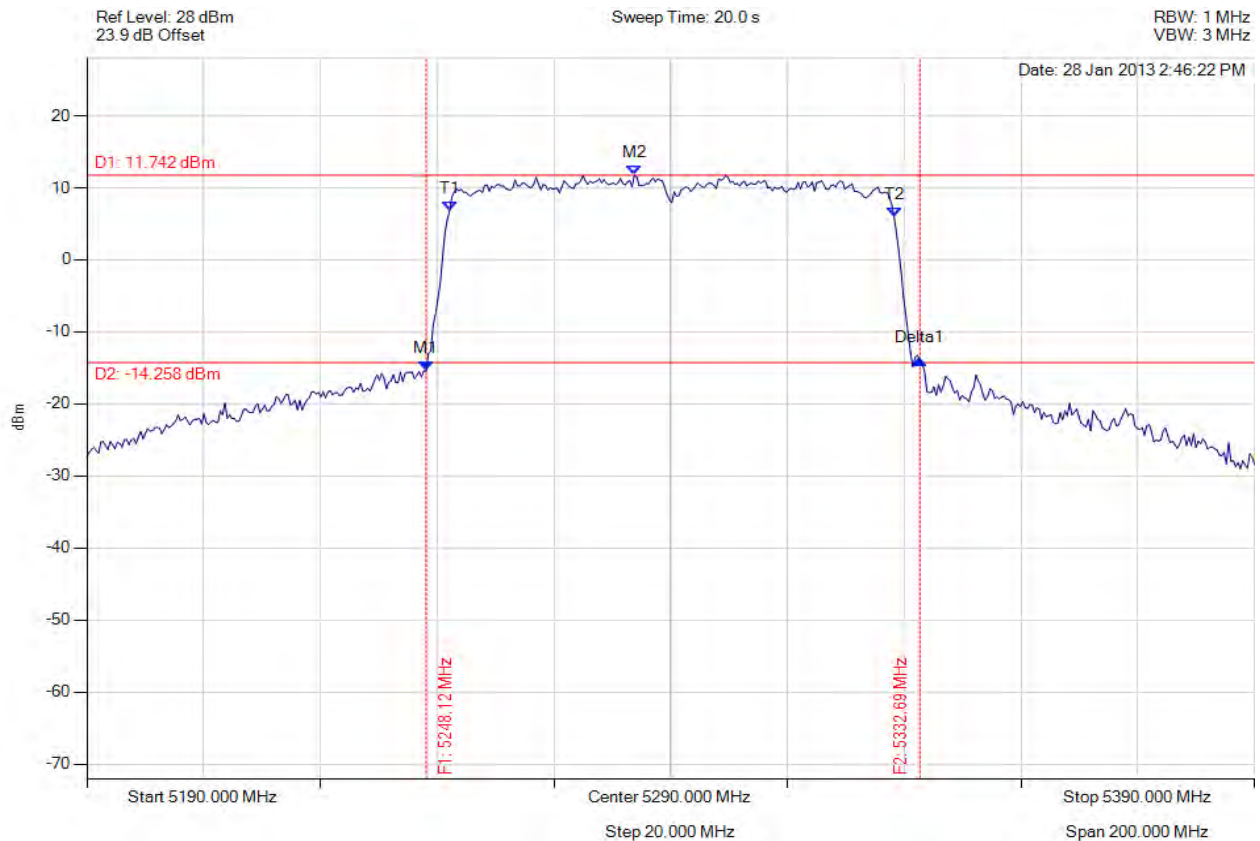


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5248.116 MHz : -15.433 dBm M2 : 5283.788 MHz : 11.742 dBm Delta1 : 84.569 MHz : 1.556 dB T1 : 5252.124 MHz : 6.794 dBm T2 : 5328.277 MHz : 5.991 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 84.569 MHz Measured 99% Bandwidth: 76.152 MHz

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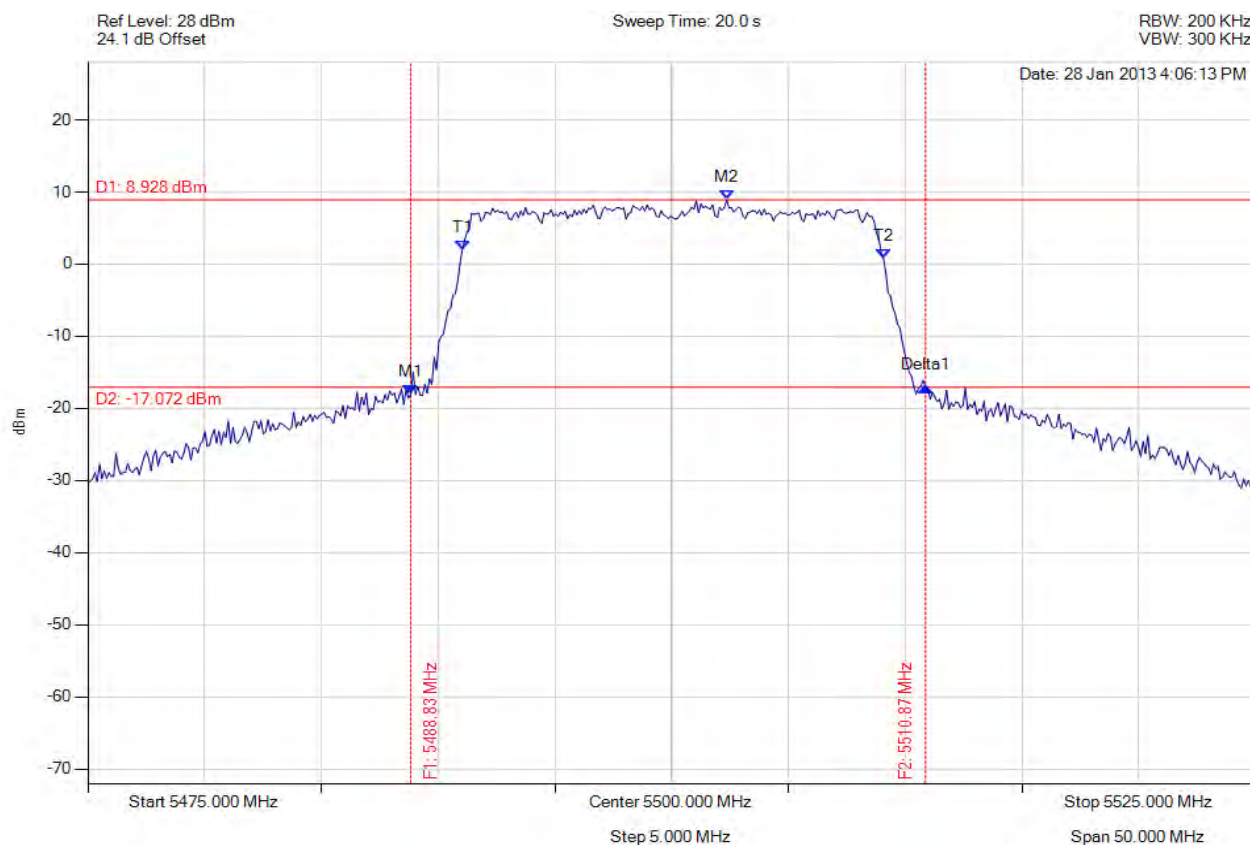


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5488.828 MHz : -18.009 dBm M2 : 5502.355 MHz : 8.928 dBm Delta1 : 22.044 MHz : 0.982 dB T1 : 5491.032 MHz : 2.003 dBm T2 : 5509.068 MHz : 0.839 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 22.044 MHz Measured 99% Bandwidth: 18.036 MHz

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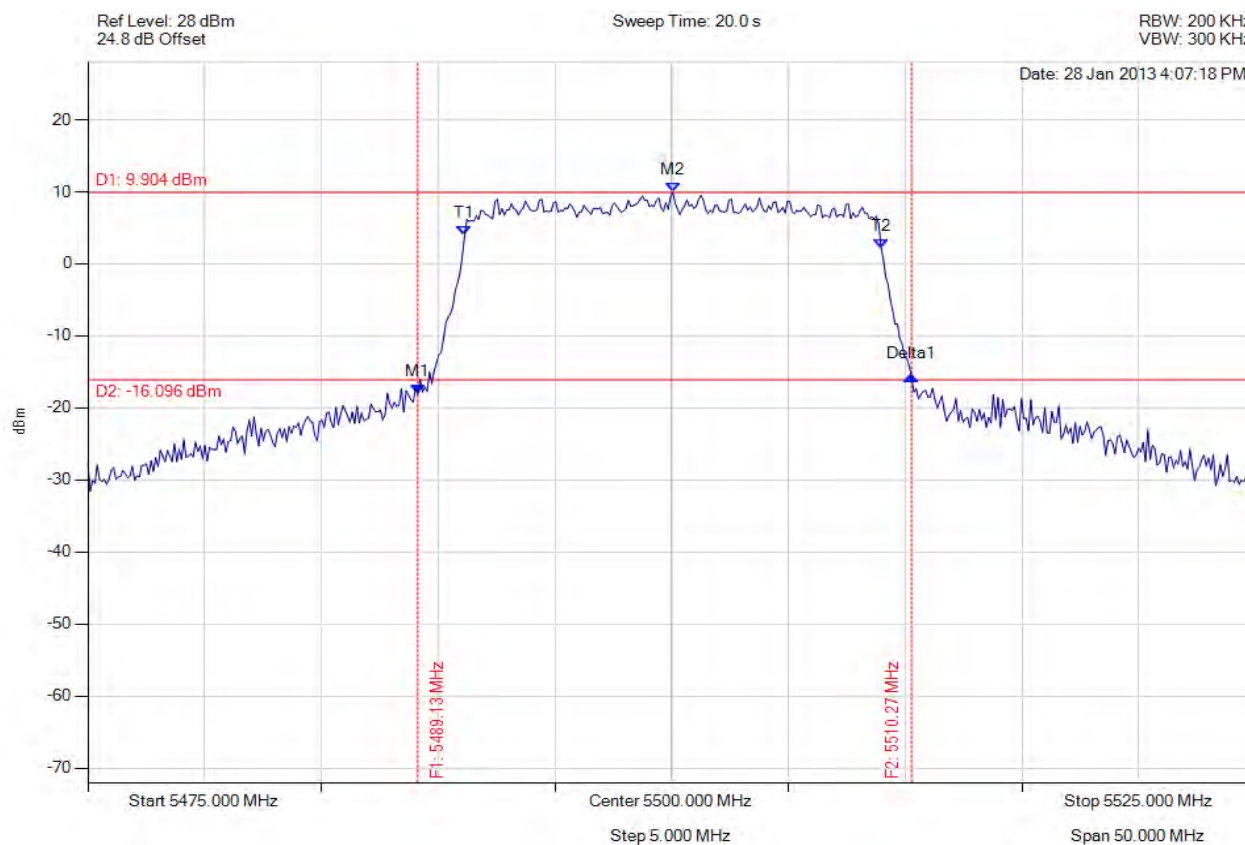


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5489.128 MHz : -18.097 dBm M2 : 5500.050 MHz : 9.904 dBm Delta1 : 21.142 MHz : 2.483 dB T1 : 5491.132 MHz : 3.933 dBm T2 : 5508.968 MHz : 2.204 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 21.142 MHz Measured 99% Bandwidth: 17.836 MHz

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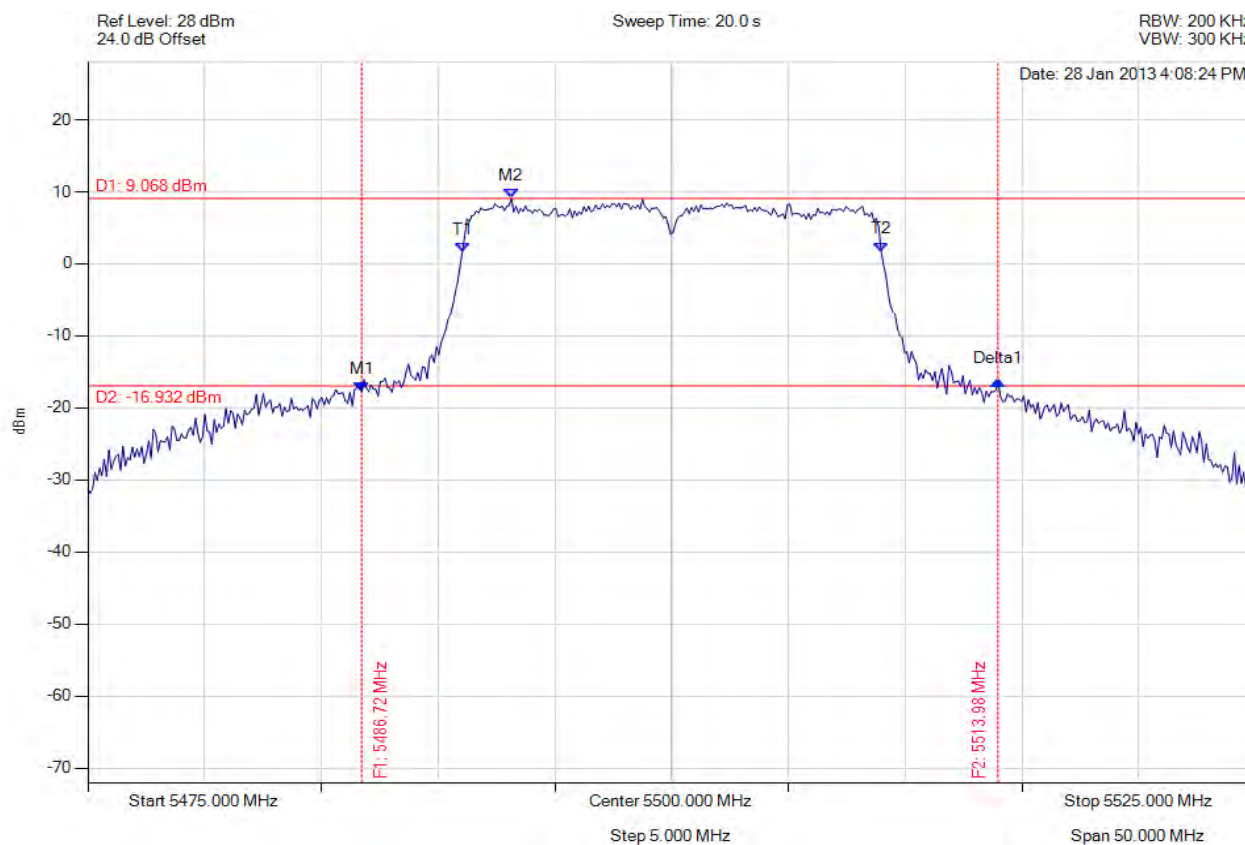


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5486.723 MHz : -17.786 dBm M2 : 5493.136 MHz : 9.068 dBm Delta1 : 27.255 MHz : 1.501 dB T1 : 5491.032 MHz : 1.569 dBm T2 : 5508.968 MHz : 1.720 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 27.255 MHz Measured 99% Bandwidth: 17.936 MHz

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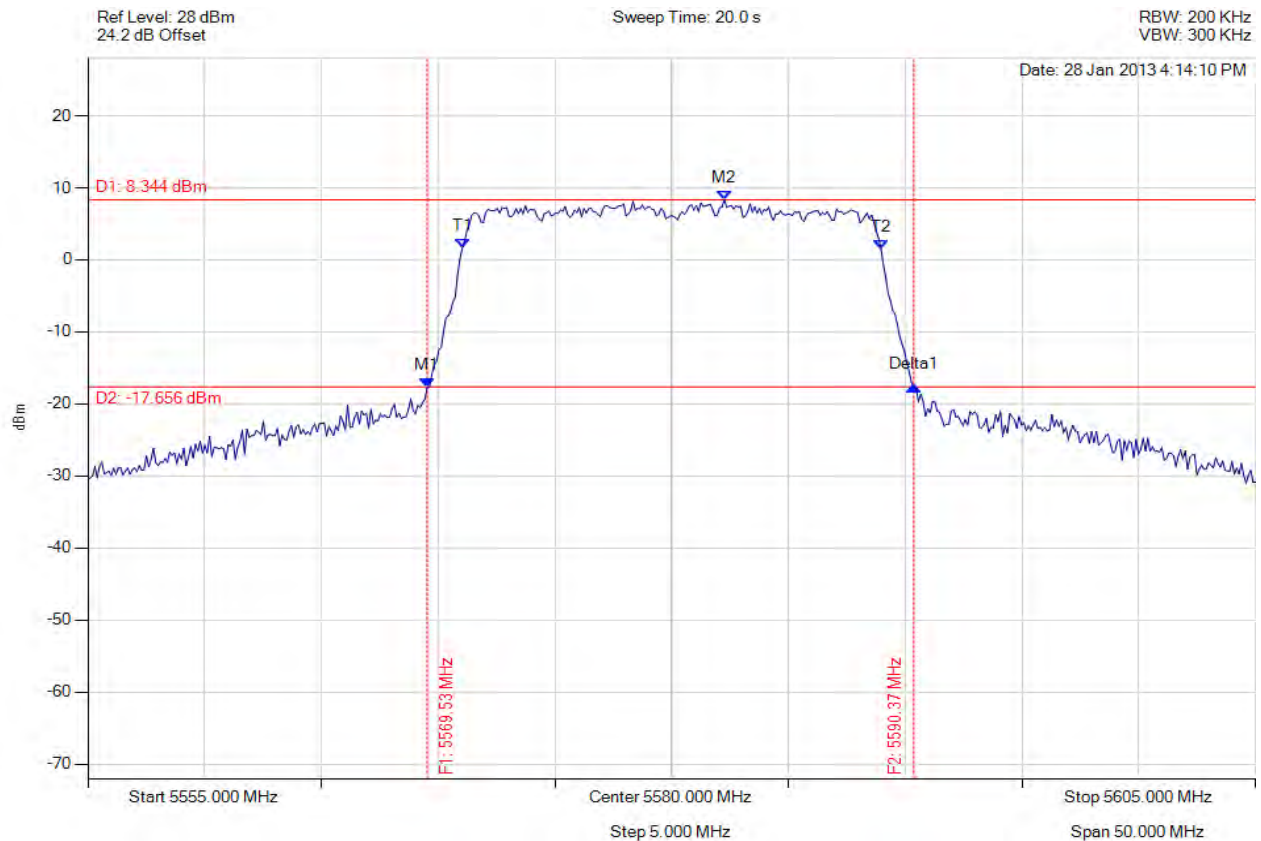


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

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 : 5569.529 MHz : -17.747 dBm M2 : 5582.255 MHz : 8.344 dBm Delta1 : 20.842 MHz : 0.236 dB T1 : 5571.032 MHz : 1.606 dBm T2 : 5588.968 MHz : 1.458 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.842 MHz Measured 99% Bandwidth: 17.936 MHz

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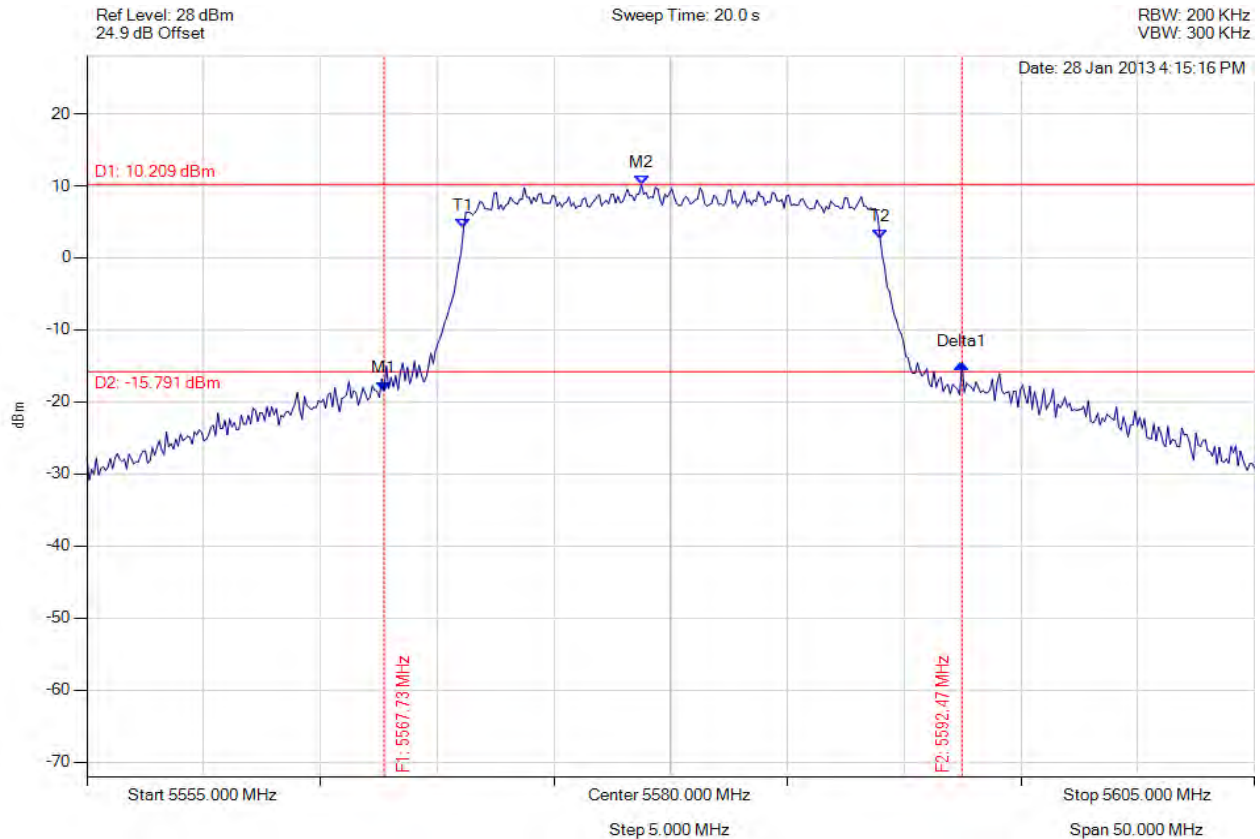


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5567.725 MHz : -18.473 dBm M2 : 5578.747 MHz : 10.209 dBm Delta1 : 24.749 MHz : 3.809 dB T1 : 5571.132 MHz : 4.112 dBm T2 : 5588.968 MHz : 2.666 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 24.749 MHz Measured 99% Bandwidth: 17.836 MHz

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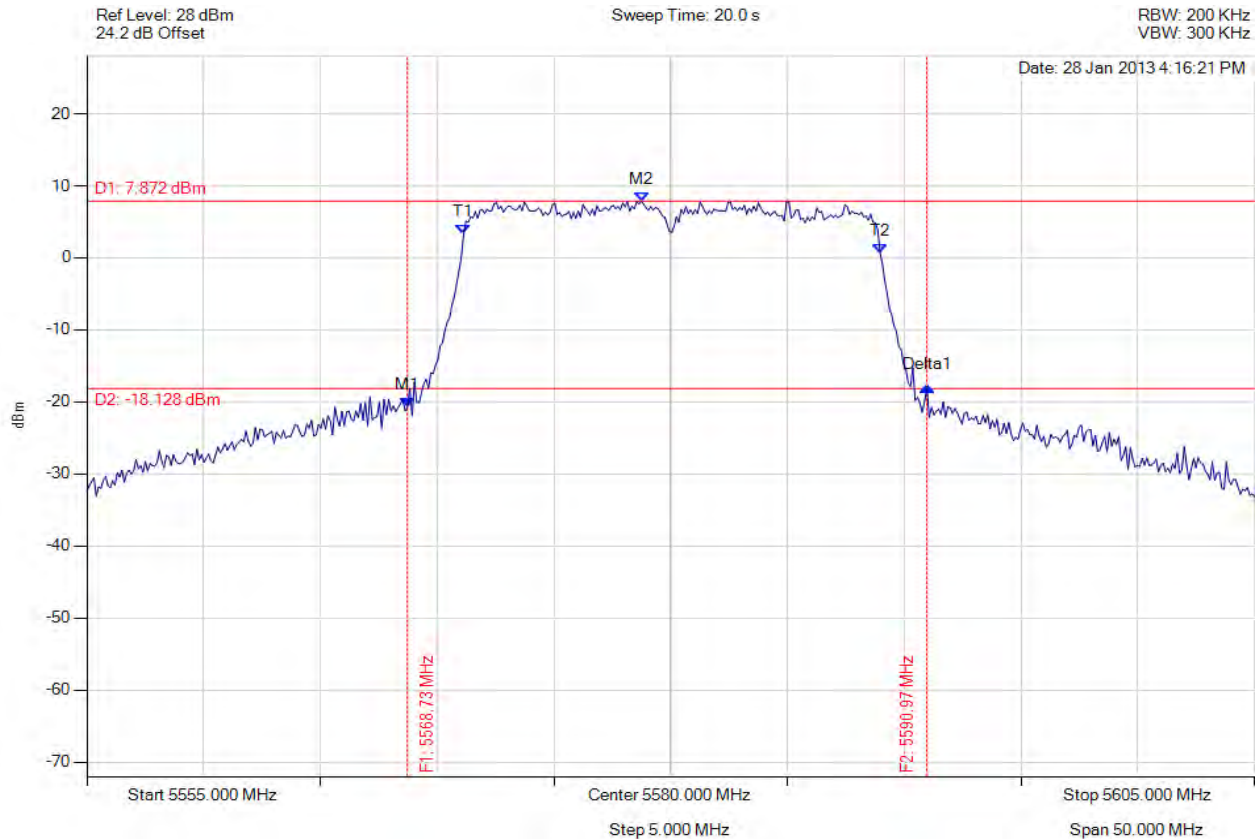


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5568.727 MHz : -20.733 dBm M2 : 5578.747 MHz : 7.872 dBm Delta1 : 22.244 MHz : 2.825 dB T1 : 5571.132 MHz : 3.229 dBm T2 : 5588.968 MHz : 0.662 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 22.244 MHz Measured 99% Bandwidth: 17.836 MHz

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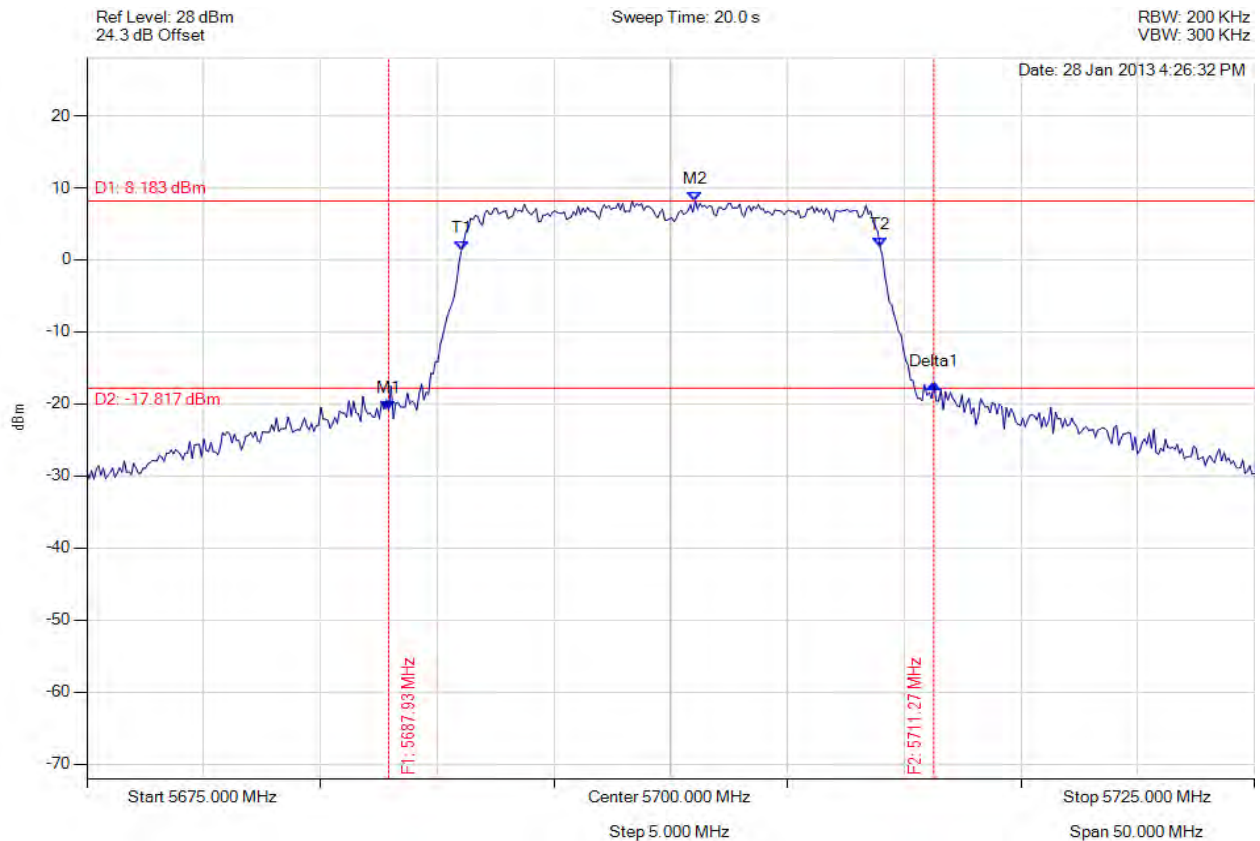


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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## 26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 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 : 5687.926 MHz : -20.844 dBm M2 : 5701.052 MHz : 8.183 dBm Delta1 : 23.347 MHz : 3.610 dB T1 : 5691.032 MHz : 1.232 dBm T2 : 5708.968 MHz : 1.761 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 23.347 MHz Measured 99% Bandwidth: 17.936 MHz

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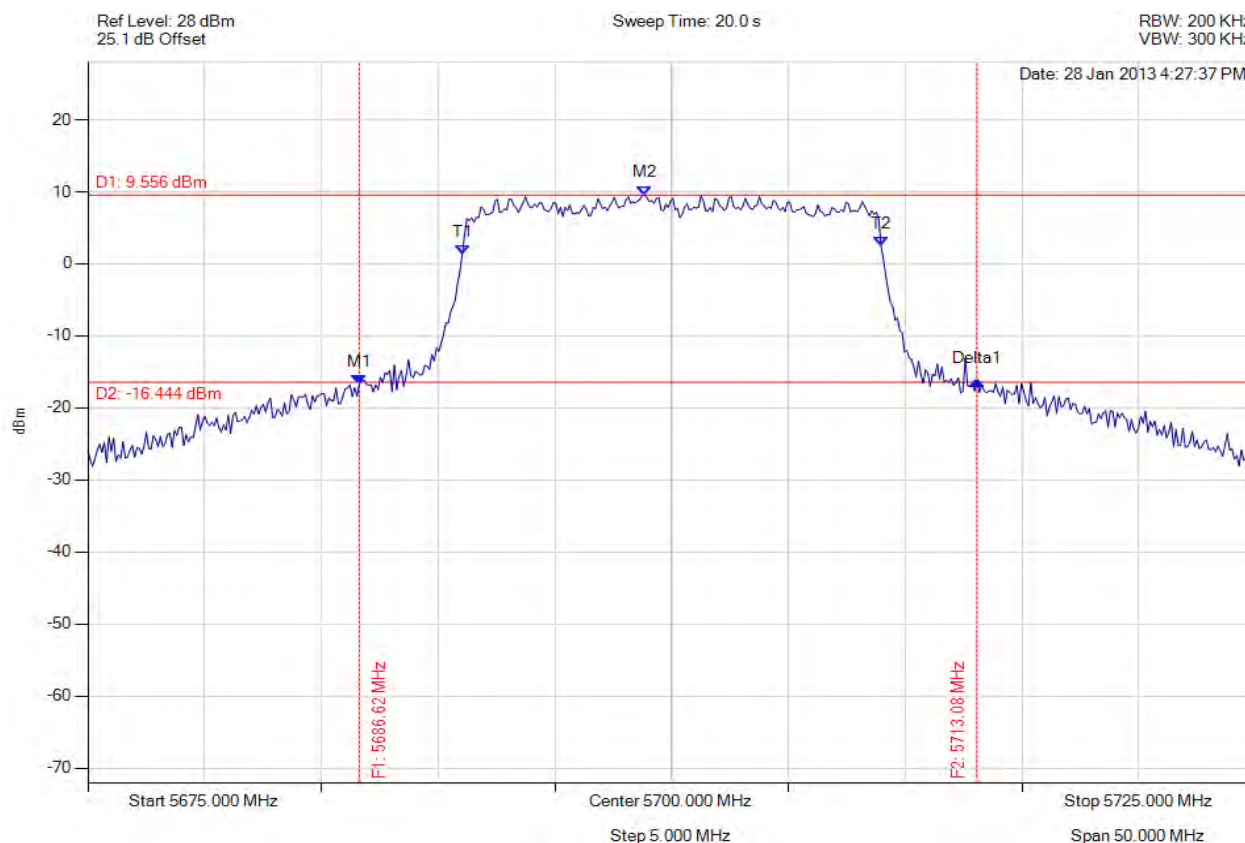


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



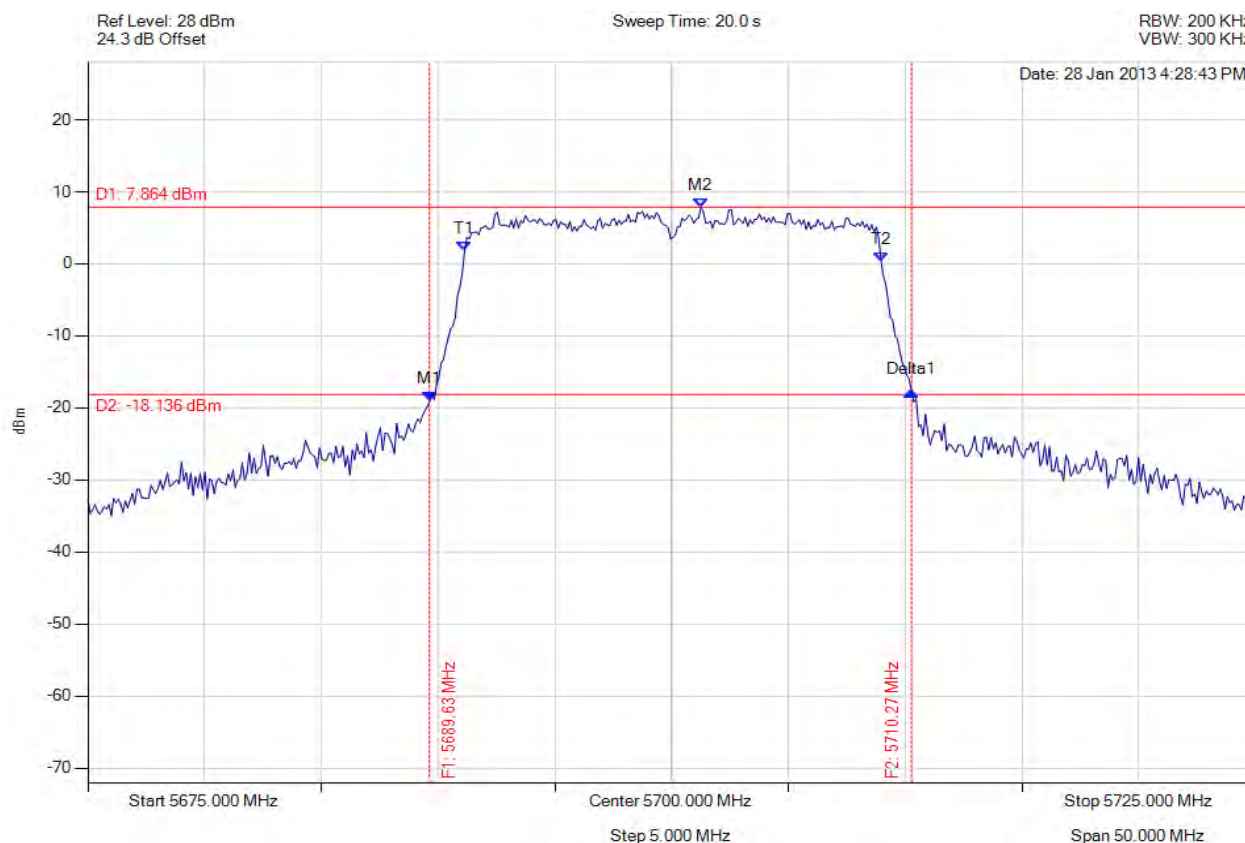
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5686.623 MHz : -16.690 dBm M2 : 5698.848 MHz : 9.556 dBm Delta1 : 26.453 MHz : 0.529 dB T1 : 5691.032 MHz : 1.346 dBm T2 : 5708.968 MHz : 2.413 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 26.453 MHz Measured 99% Bandwidth: 17.936 MHz

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### 26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5700.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



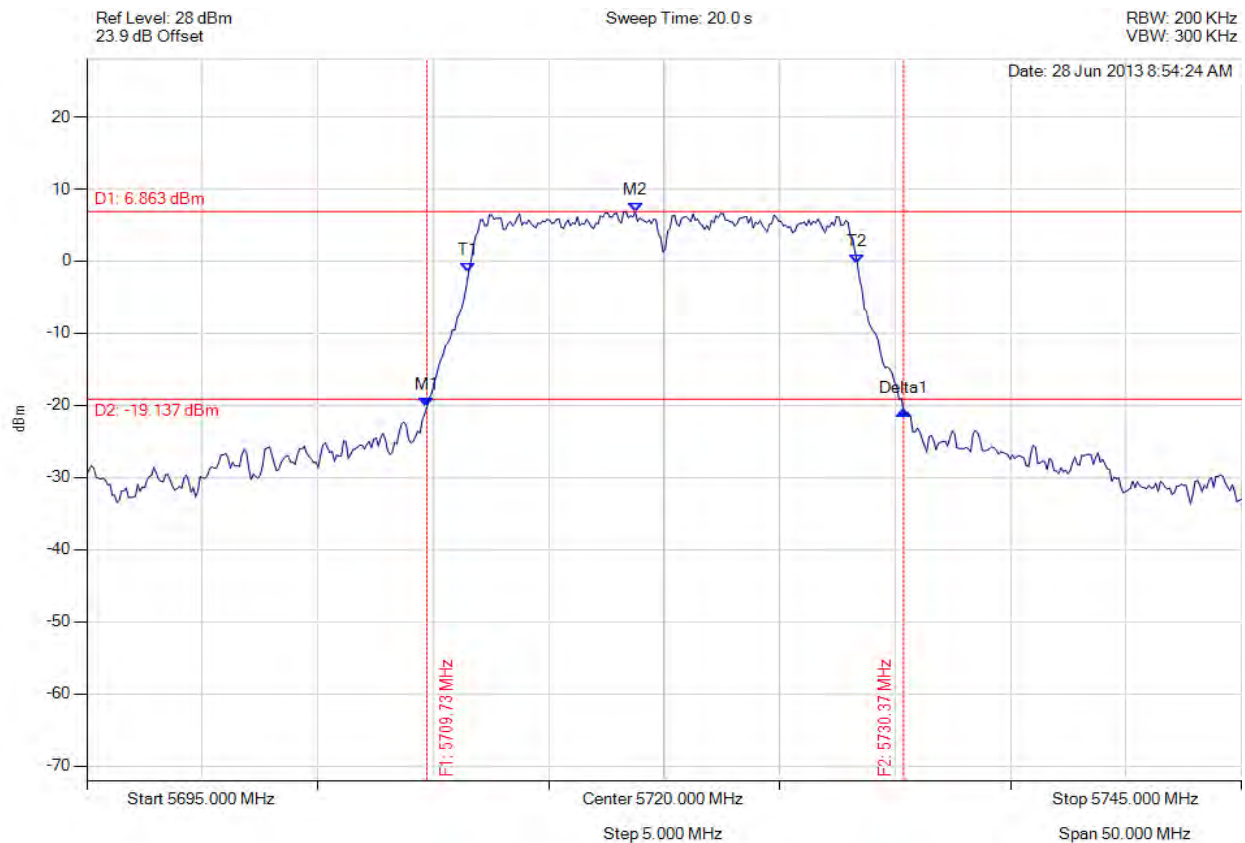
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5689.629 MHz : -19.114 dBm M2 : 5701.253 MHz : 7.864 dBm Delta1 : 20.641 MHz : 1.381 dB T1 : 5691.132 MHz : 1.824 dBm T2 : 5708.968 MHz : 0.294 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.836 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 : -20.234 dBm M2 : 5718.747 MHz : 6.863 dBm Delta1 : 20.641 MHz : -0.549 dB T1 : 5711.533 MHz : -1.565 dBm T2 : 5728.367 MHz : -0.316 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 16.834 MHz

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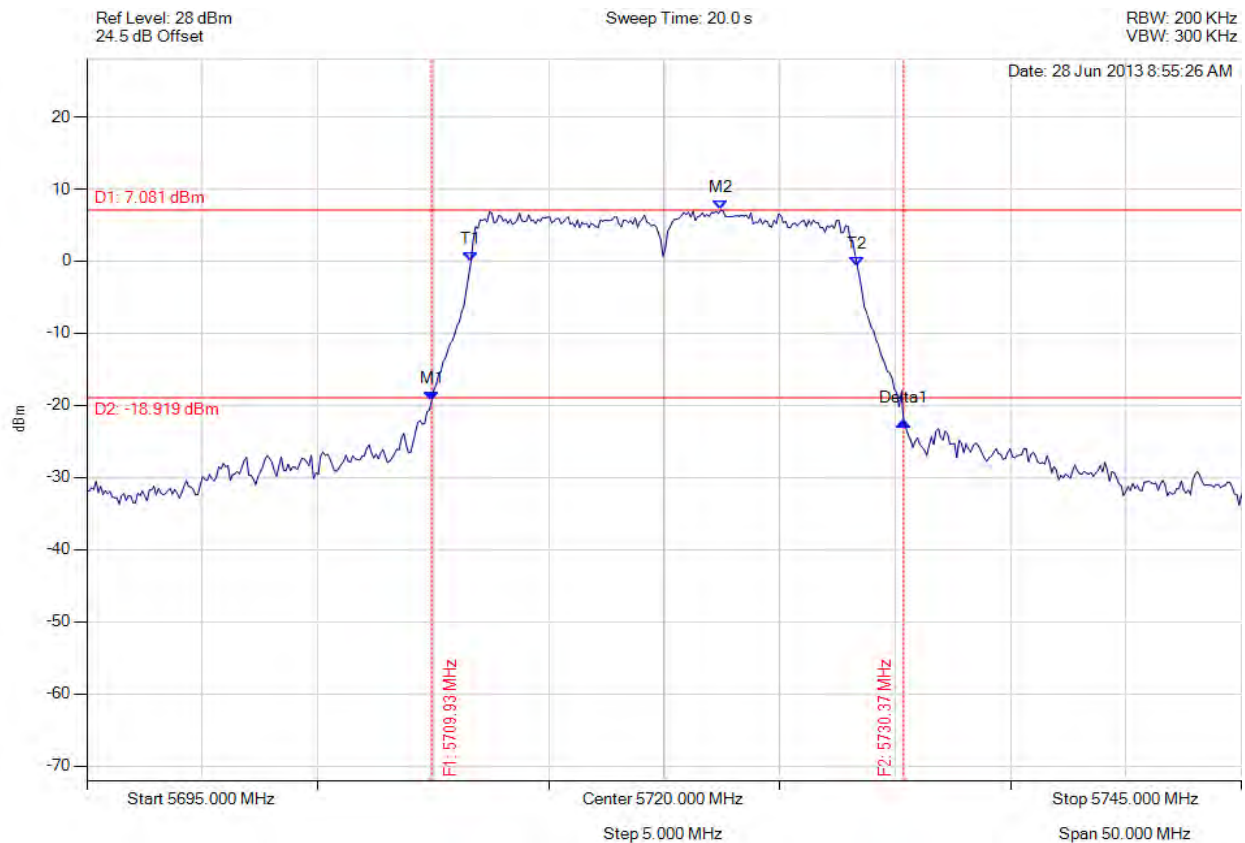


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5709.930 MHz : -19.433 dBm M2 : 5722.455 MHz : 7.081 dBm Delta1 : 20.441 MHz : -2.705 dB T1 : 5711.633 MHz : -0.064 dBm T2 : 5728.367 MHz : -0.743 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 20.441 MHz Measured 99% Bandwidth: 16.733 MHz

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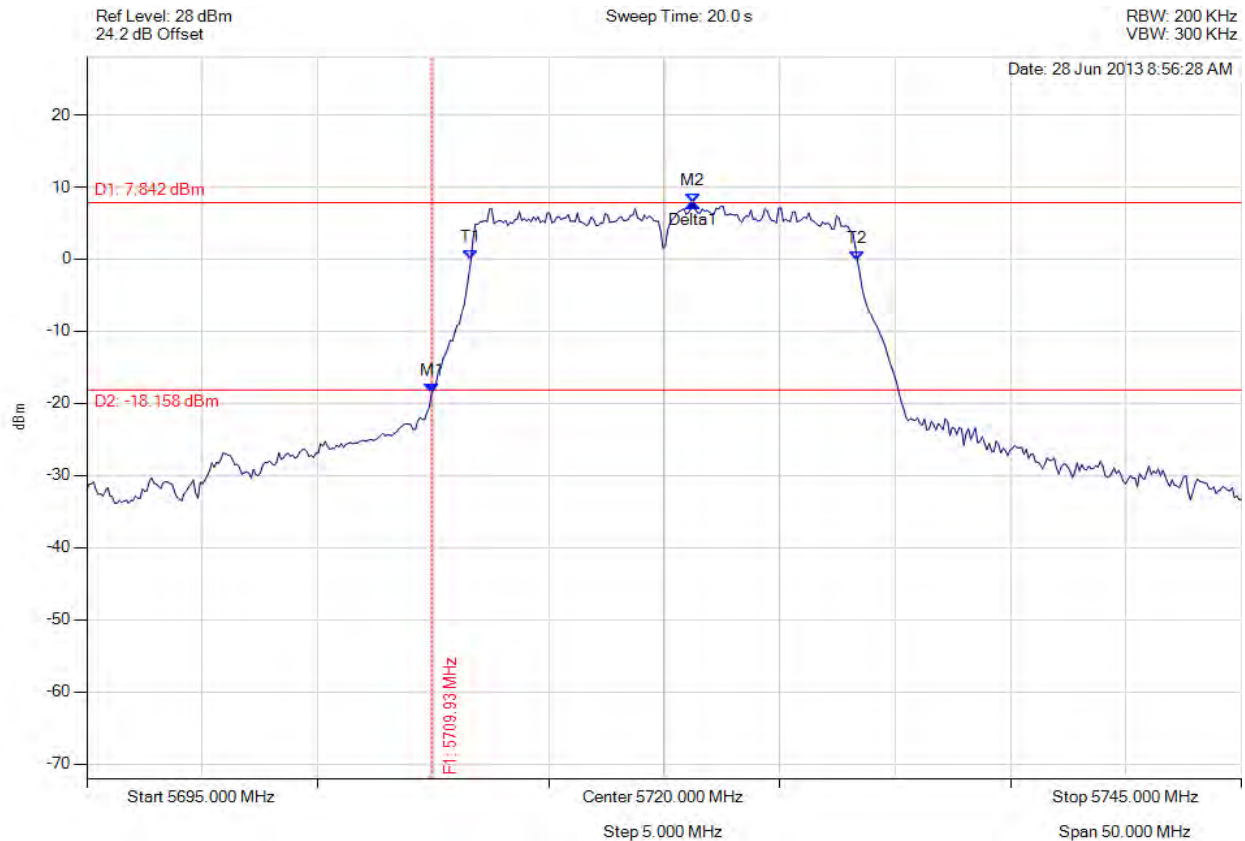


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

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 : 5709.930 MHz : -18.569 dBm M2 : 5721.253 MHz : 7.842 dBm Delta1 : 11.323 MHz : 26.410 dB T1 : 5711.633 MHz : -0.106 dBm T2 : 5728.367 MHz : -0.161 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 11.323 MHz Measured 99% Bandwidth: 16.733 MHz

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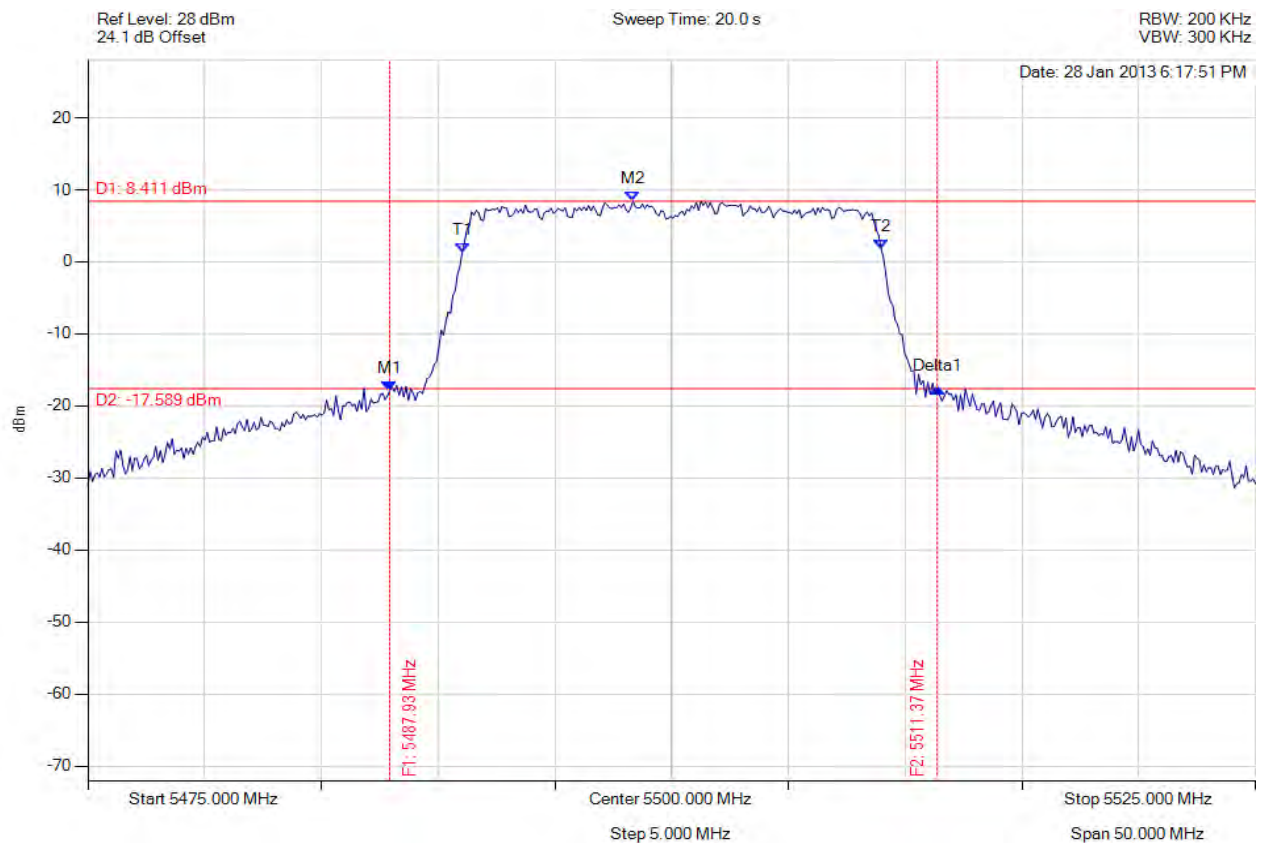


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

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 : 5487.926 MHz : -17.845 dBm M2 : 5498.347 MHz : 8.411 dBm Delta1 : 23.447 MHz : 0.266 dB T1 : 5491.032 MHz : 1.354 dBm T2 : 5508.968 MHz : 1.832 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 23.447 MHz Measured 99% Bandwidth: 17.936 MHz

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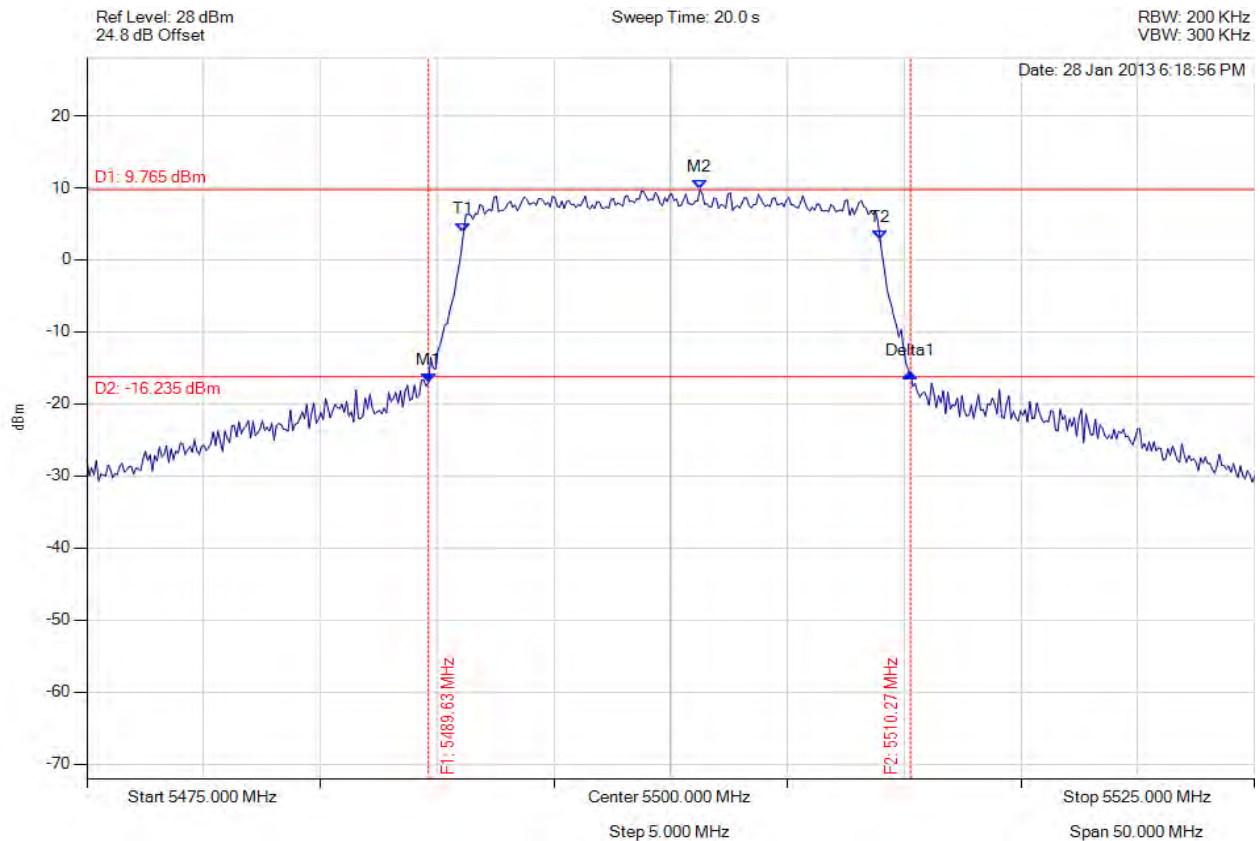


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

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 : 5489.629 MHz : -16.995 dBm M2 : 5501.253 MHz : 9.765 dBm Delta1 : 20.641 MHz : 1.263 dB T1 : 5491.132 MHz : 3.888 dBm T2 : 5508.968 MHz : 2.763 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 20.641 MHz Measured 99% Bandwidth: 17.836 MHz

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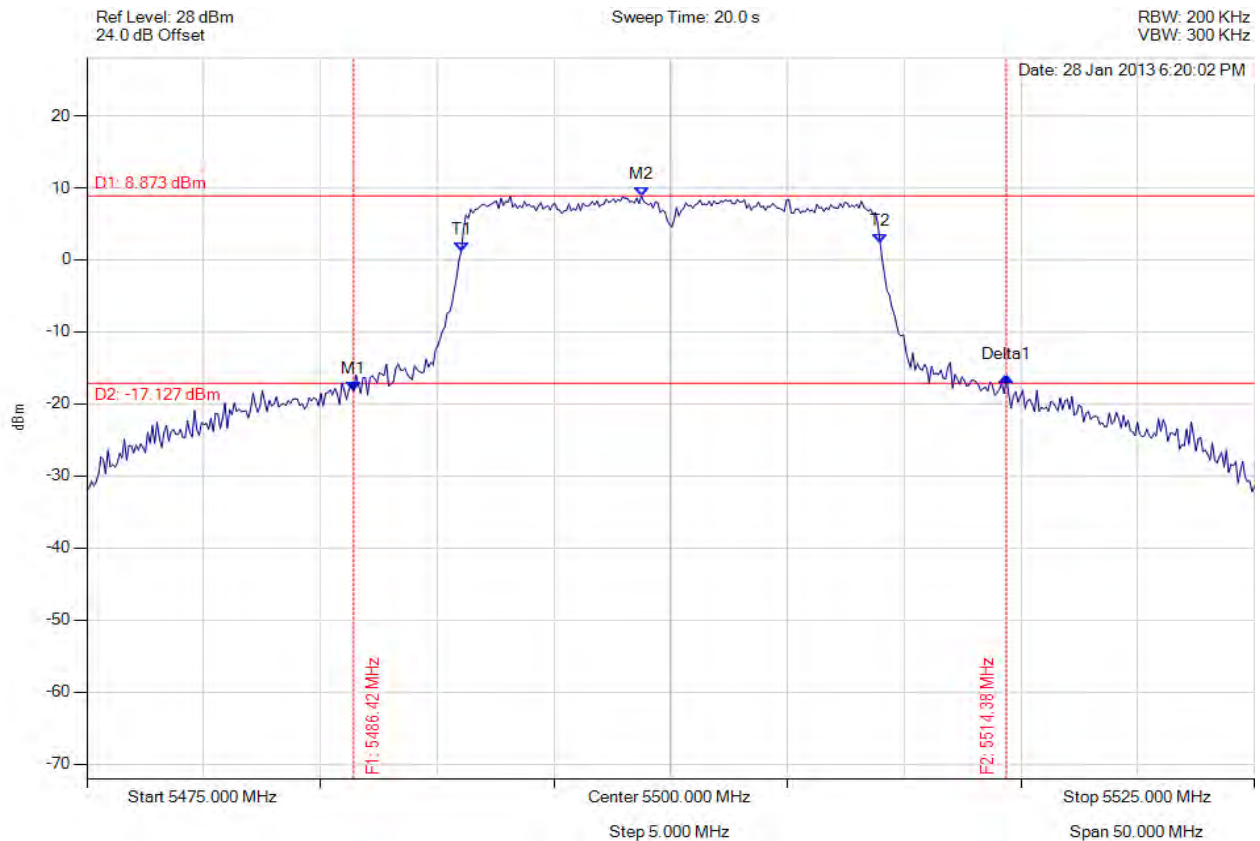


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5486.423 MHz : -18.207 dBm M2 : 5498.747 MHz : 8.873 dBm Delta1 : 27.956 MHz : 2.036 dB T1 : 5491.032 MHz : 1.195 dBm T2 : 5508.968 MHz : 2.363 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 27.956 MHz Measured 99% Bandwidth: 17.936 MHz

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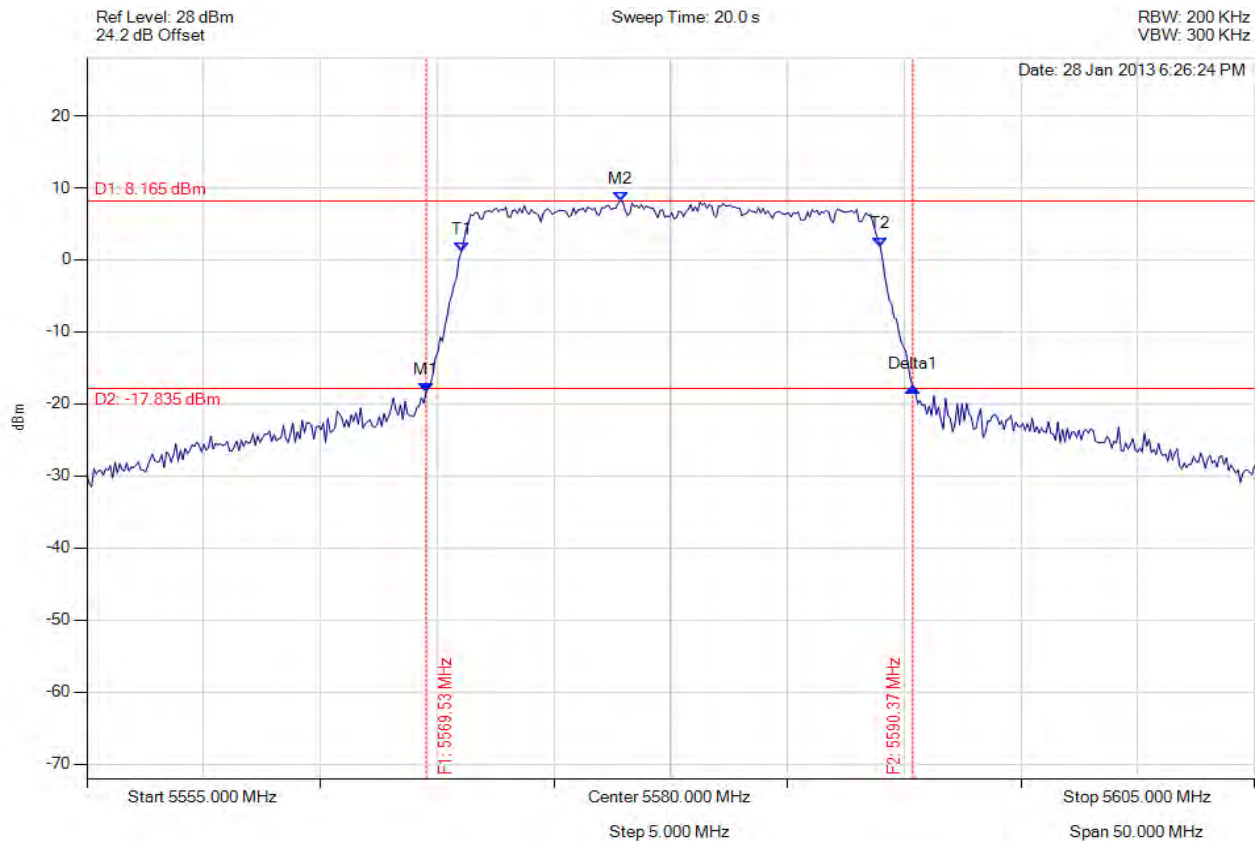


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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## 26 dB & 99% BANDWIDTH

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 : 5569.529 MHz : -18.317 dBm M2 : 5577.846 MHz : 8.165 dBm Delta1 : 20.842 MHz : 0.679 dB T1 : 5571.032 MHz : 1.155 dBm T2 : 5588.968 MHz : 1.883 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 20.842 MHz Measured 99% Bandwidth: 17.936 MHz

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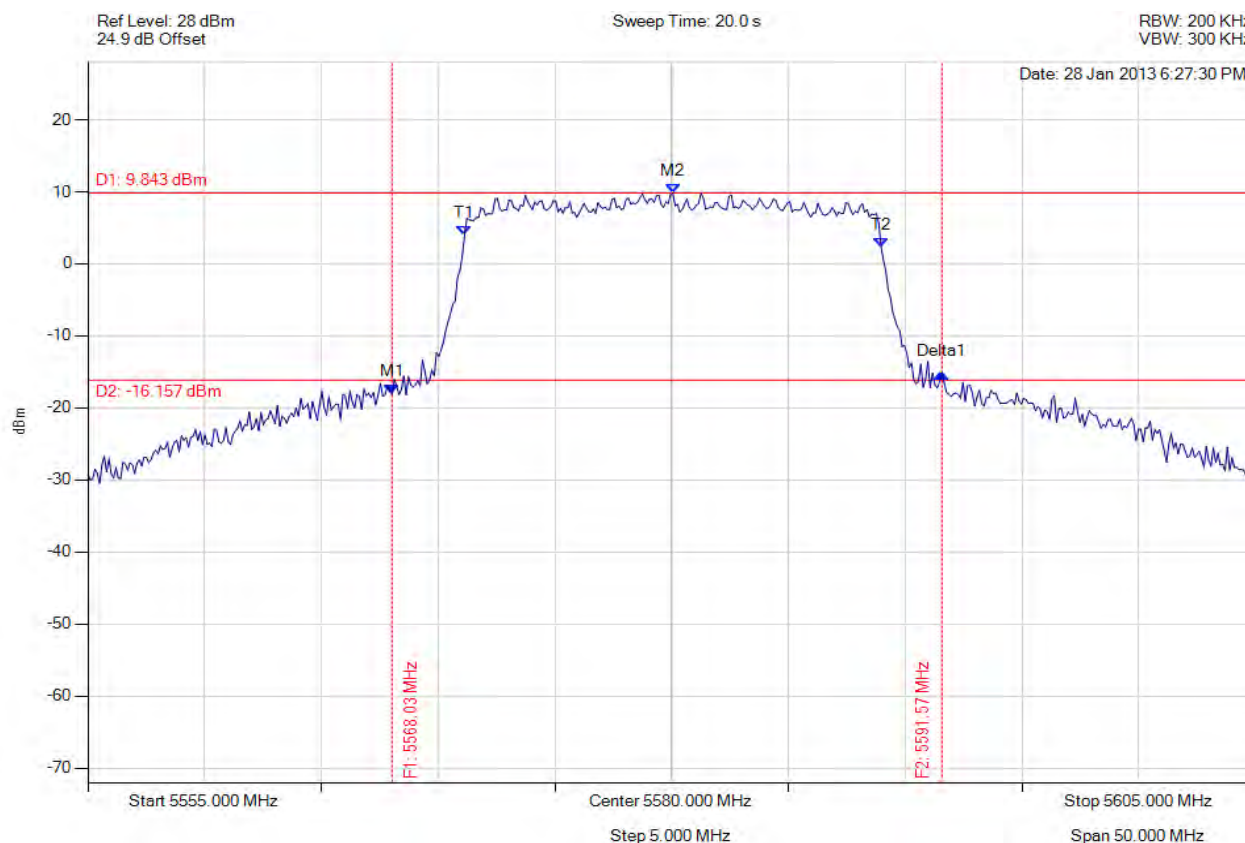


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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: Ambient, Voltage: 12 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 : -18.105 dBm M2 : 5580.050 MHz : 9.843 dBm Delta1 : 23.547 MHz : 2.953 dB T1 : 5571.132 MHz : 3.994 dBm T2 : 5588.968 MHz : 2.324 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 17.836 MHz

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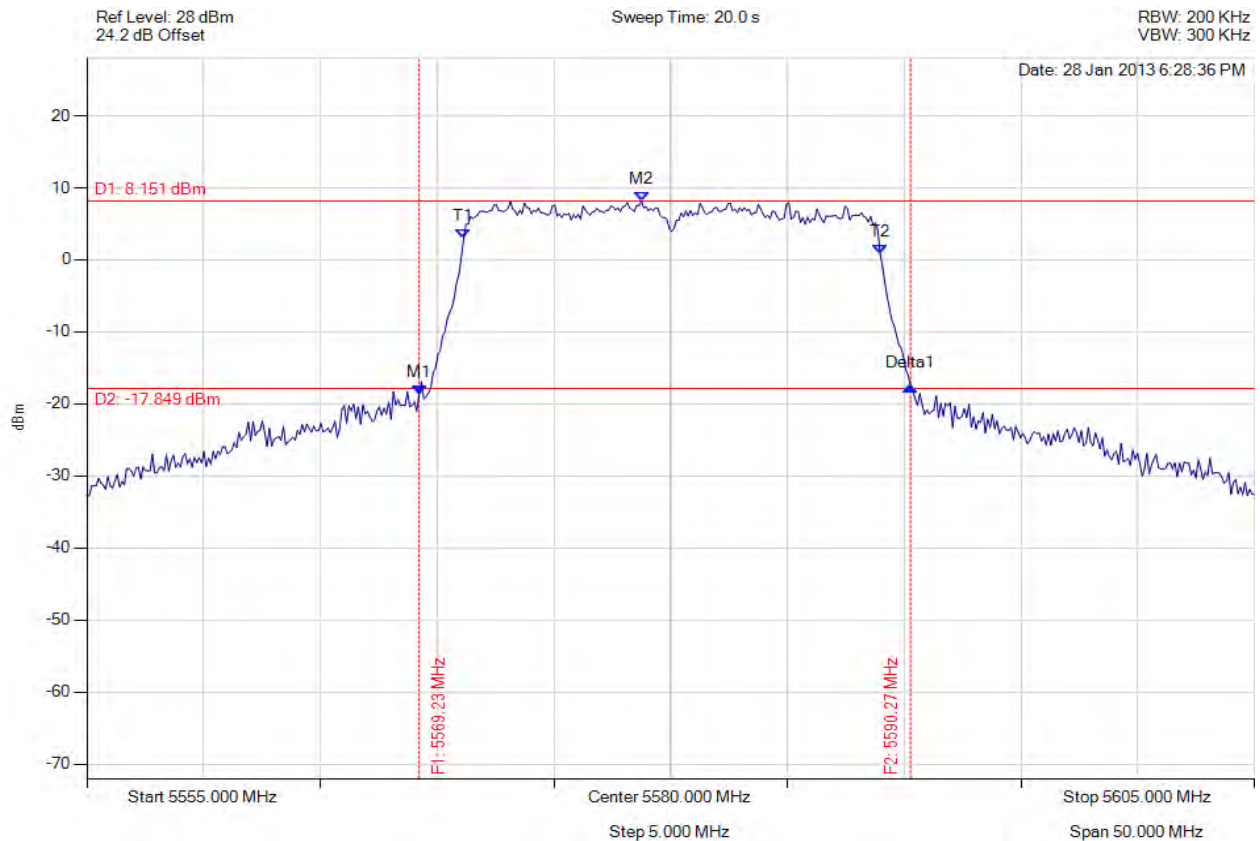


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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5569.228 MHz : -18.646 dBm M2 : 5578.747 MHz : 8.151 dBm Delta1 : 21.042 MHz : 1.178 dB T1 : 5571.132 MHz : 2.918 dBm T2 : 5588.968 MHz : 0.849 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 21.042 MHz Measured 99% Bandwidth: 17.836 MHz

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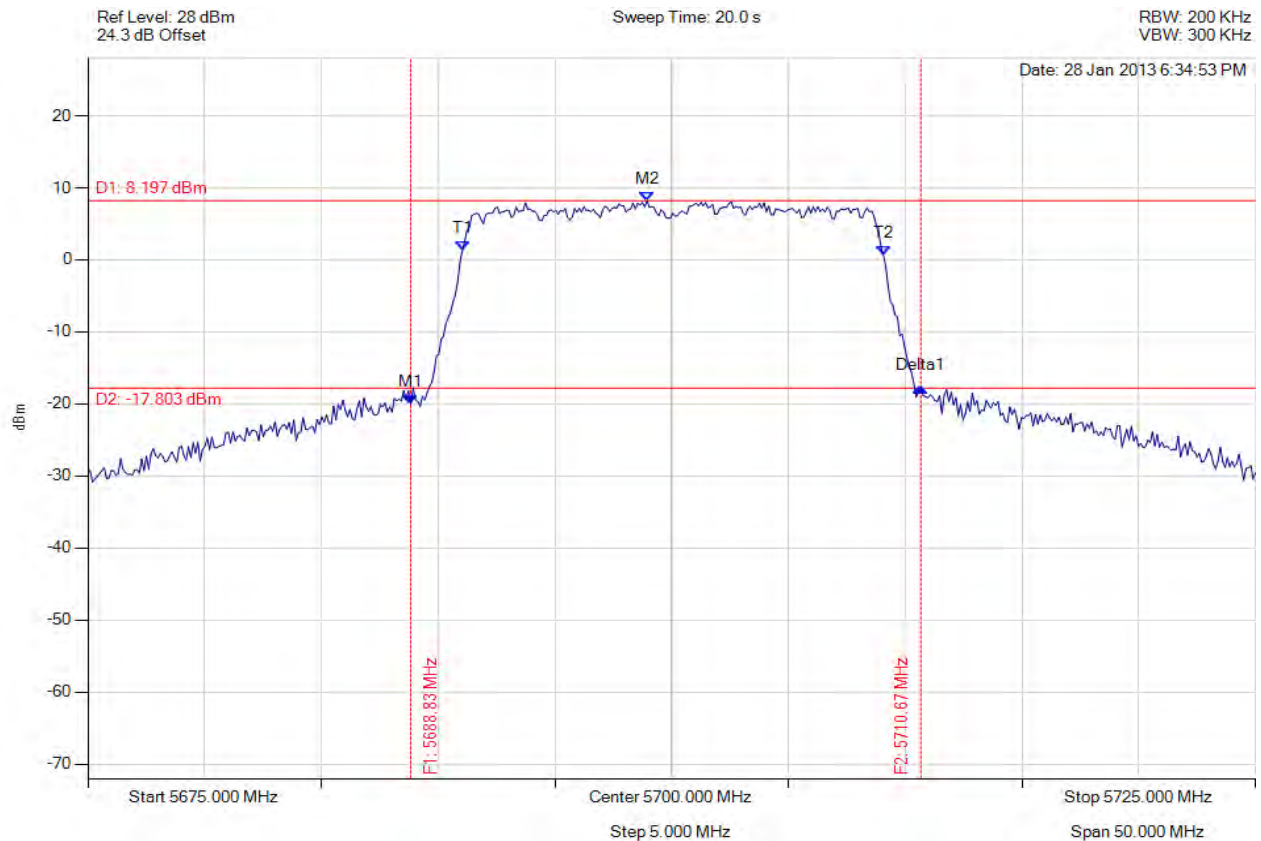


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## 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc



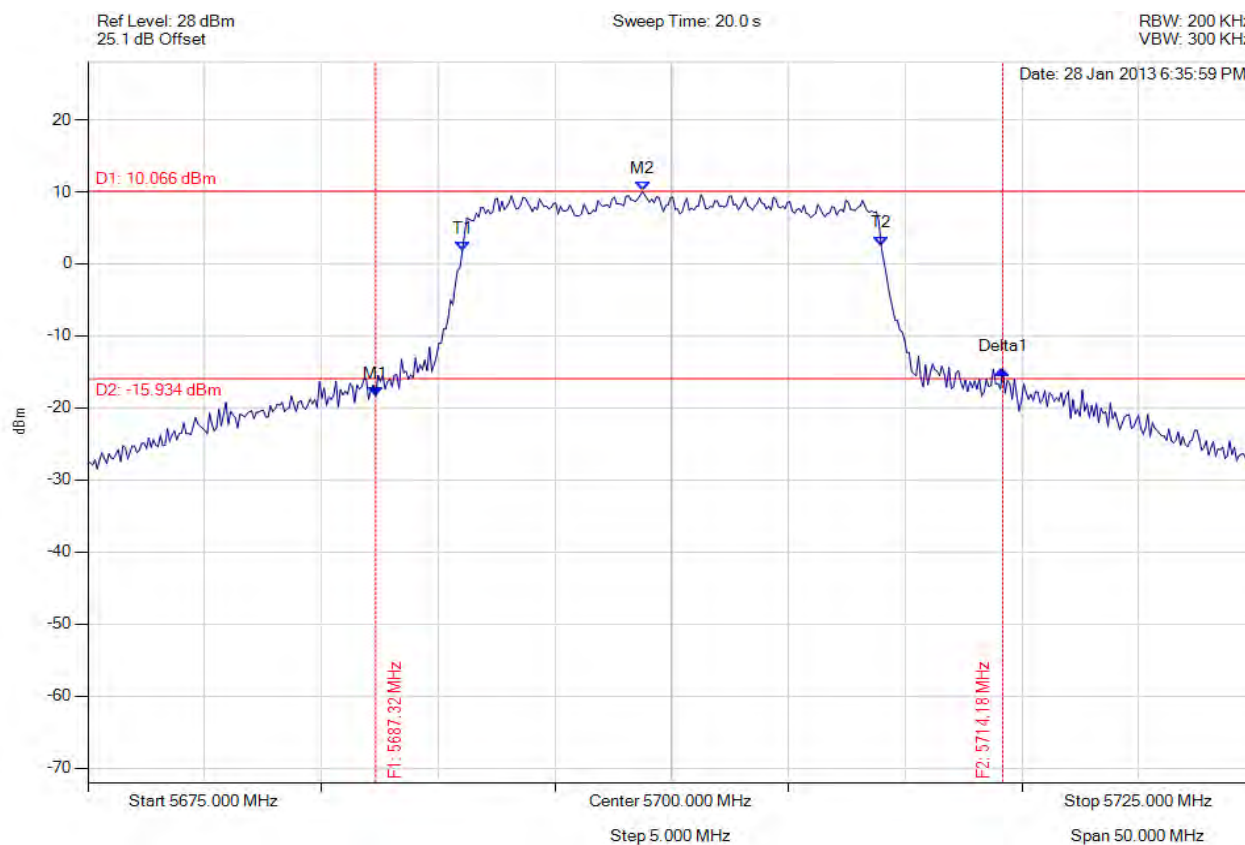
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5688.828 MHz : -20.033 dBm M2 : 5698.948 MHz : 8.197 dBm Delta1 : 21.844 MHz : 2.294 dB T1 : 5691.032 MHz : 1.258 dBm T2 : 5709.068 MHz : 0.648 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 21.844 MHz Measured 99% Bandwidth: 18.036 MHz

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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 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 : 5687.325 MHz : -18.327 dBm M2 : 5698.747 MHz : 10.066 dBm Delta1 : 26.854 MHz : 3.691 dB T1 : 5691.032 MHz : 1.777 dBm T2 : 5708.968 MHz : 2.552 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 26.854 MHz Measured 99% Bandwidth: 17.936 MHz

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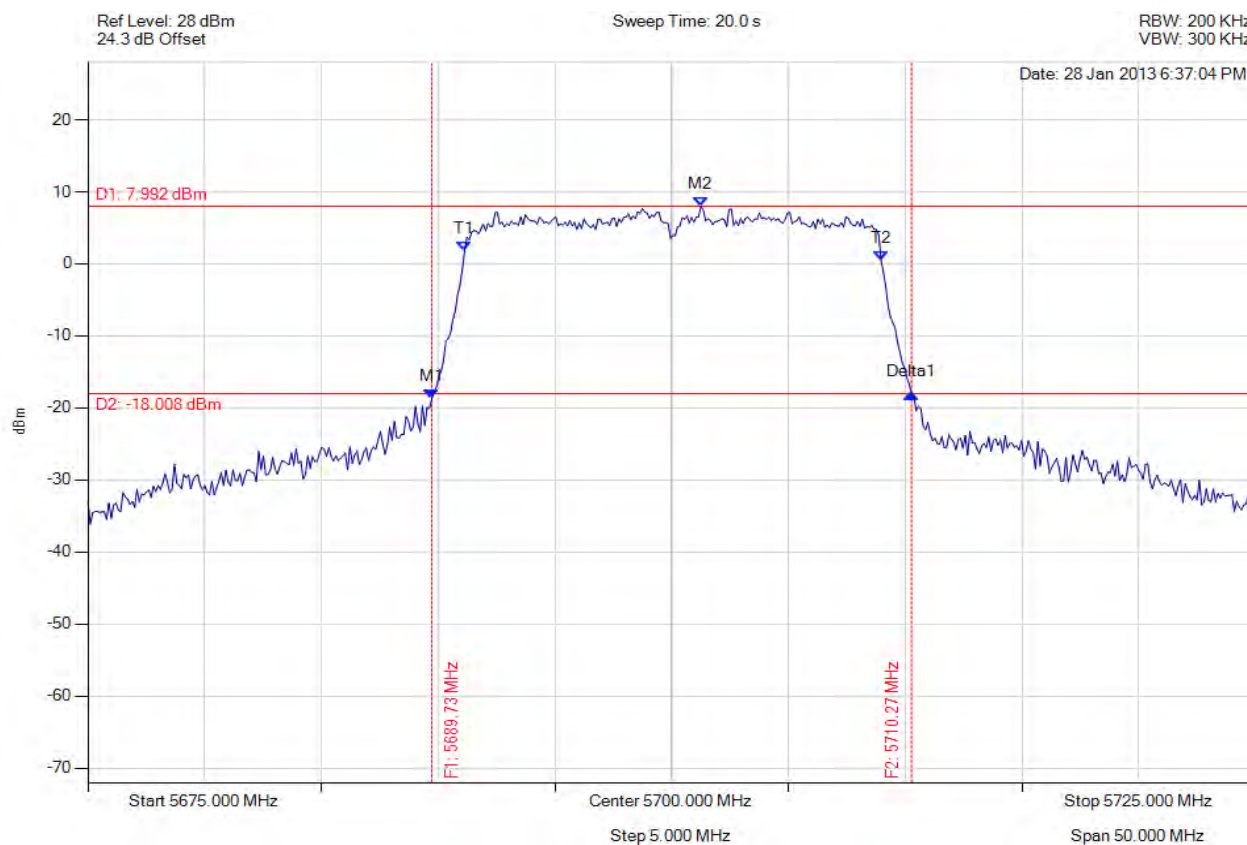


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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5700.00 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 : 5689.729 MHz : -18.758 dBm M2 : 5701.253 MHz : 7.992 dBm Delta1 : 20.541 MHz : 0.759 dB T1 : 5691.132 MHz : 1.846 dBm T2 : 5708.968 MHz : 0.457 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 20.541 MHz Measured 99% Bandwidth: 17.836 MHz

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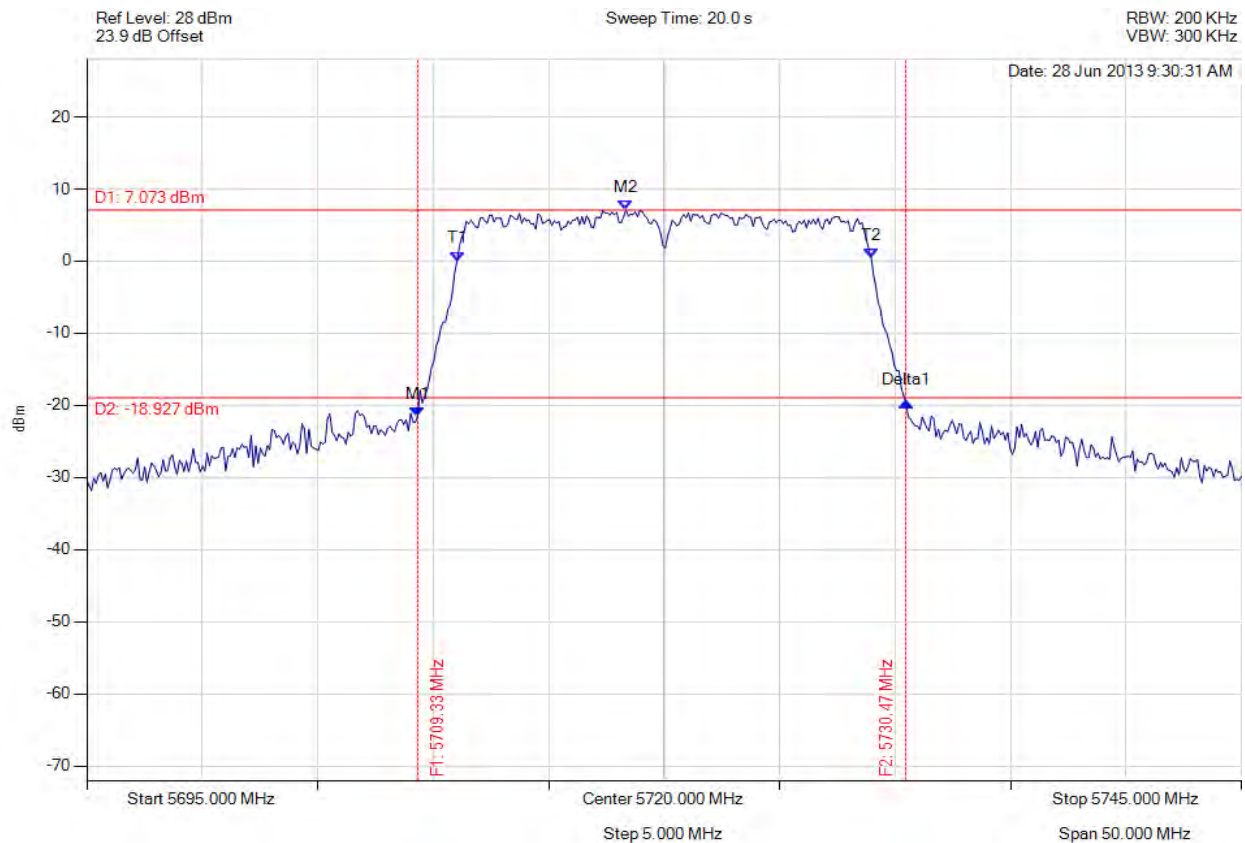


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#### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5709.329 MHz : -21.477 dBm M2 : 5718.347 MHz : 7.073 dBm Delta1 : 21.142 MHz : 1.873 dB T1 : 5711.032 MHz : 0.050 dBm T2 : 5728.968 MHz : 0.457 dBm OBW : 17.936 MHz	Measured 26 dB Bandwidth: 21.142 MHz Measured 99% Bandwidth: 17.936 MHz

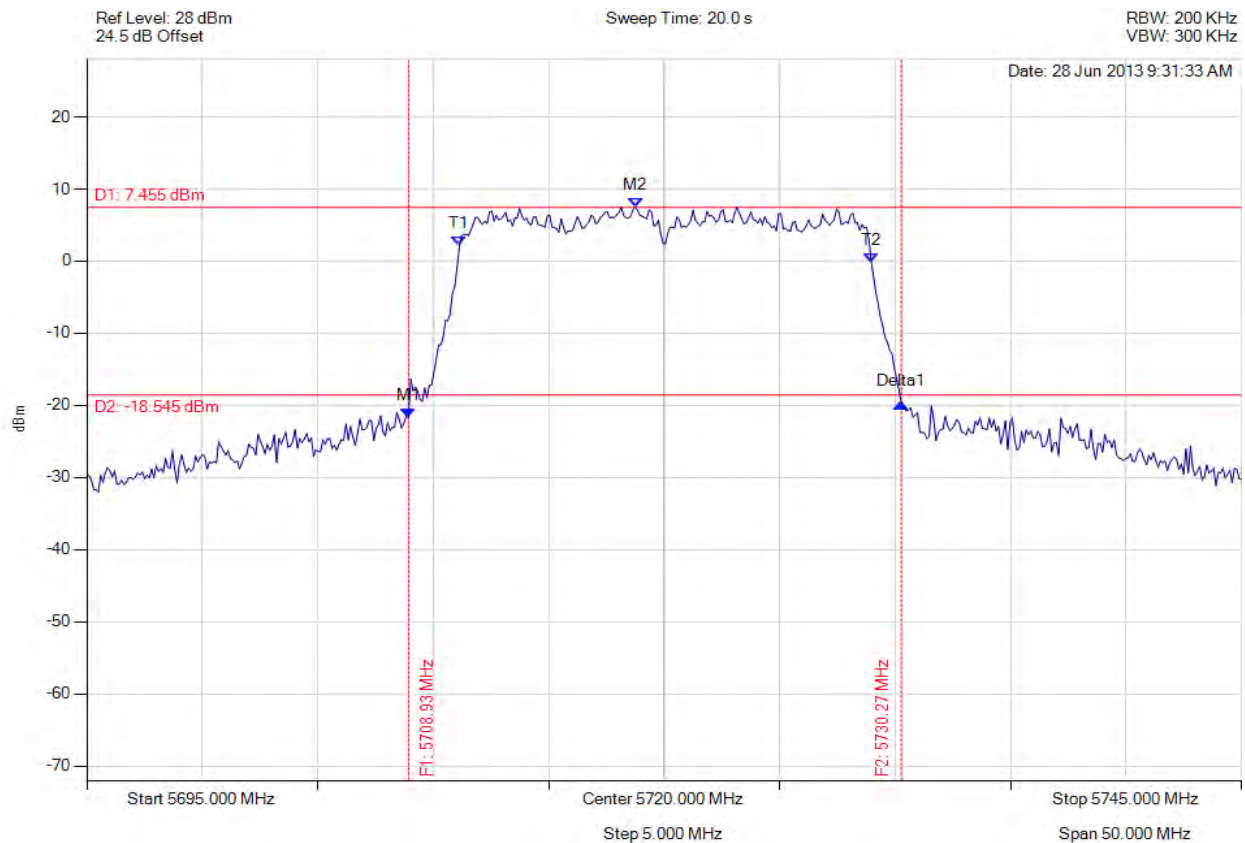
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### 26 dB & 99% BANDWIDTH

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	M1 : 5708.928 MHz : -21.652 dBm M2 : 5718.747 MHz : 7.455 dBm Delta1 : 21.343 MHz : 1.942 dB T1 : 5711.132 MHz : 2.064 dBm T2 : 5728.968 MHz : -0.129 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 21.343 MHz Measured 99% Bandwidth: 17.836 MHz

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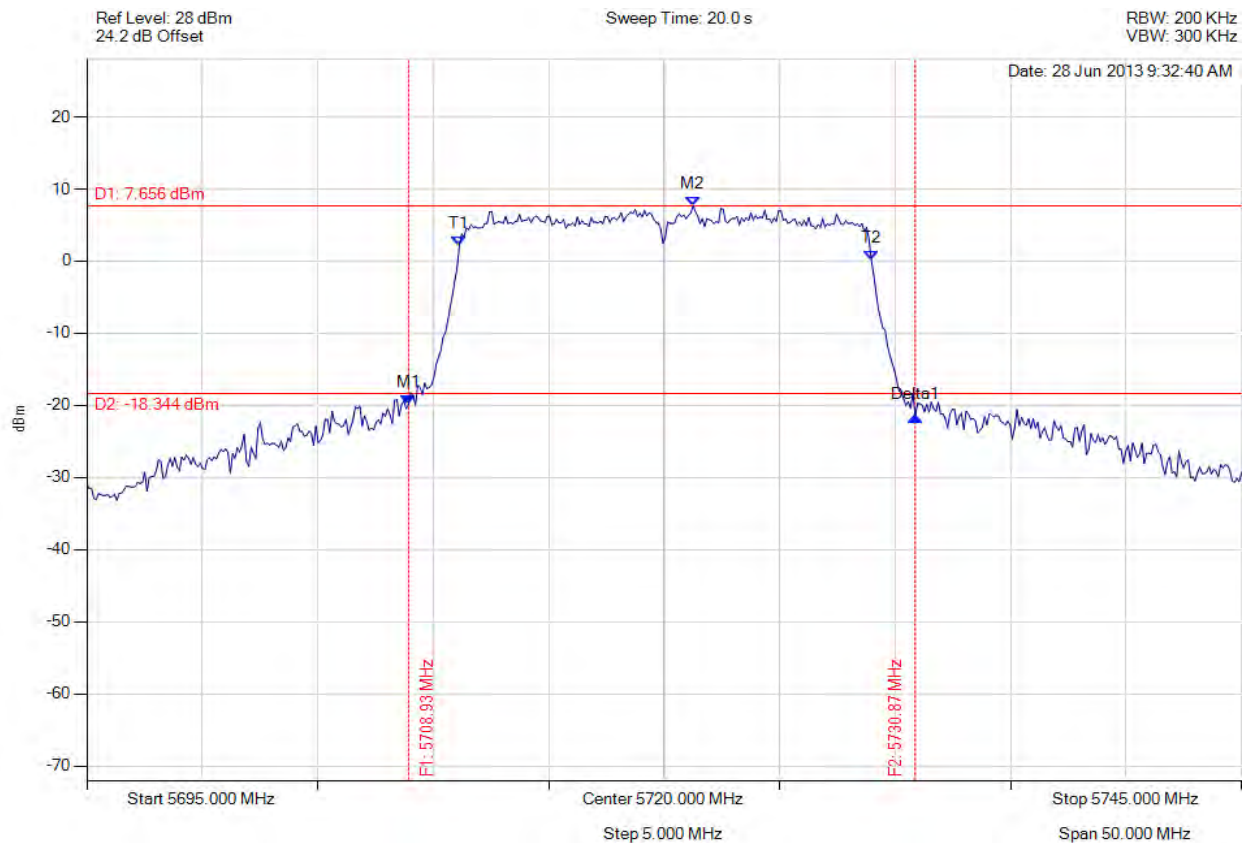


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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 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 : 5708.928 MHz : -19.923 dBm M2 : 5721.253 MHz : 7.656 dBm Delta1 : 21.944 MHz : -1.580 dB T1 : 5711.132 MHz : 2.182 dBm T2 : 5728.968 MHz : 0.203 dBm OBW : 17.836 MHz	Measured 26 dB Bandwidth: 21.944 MHz Measured 99% Bandwidth: 17.836 MHz

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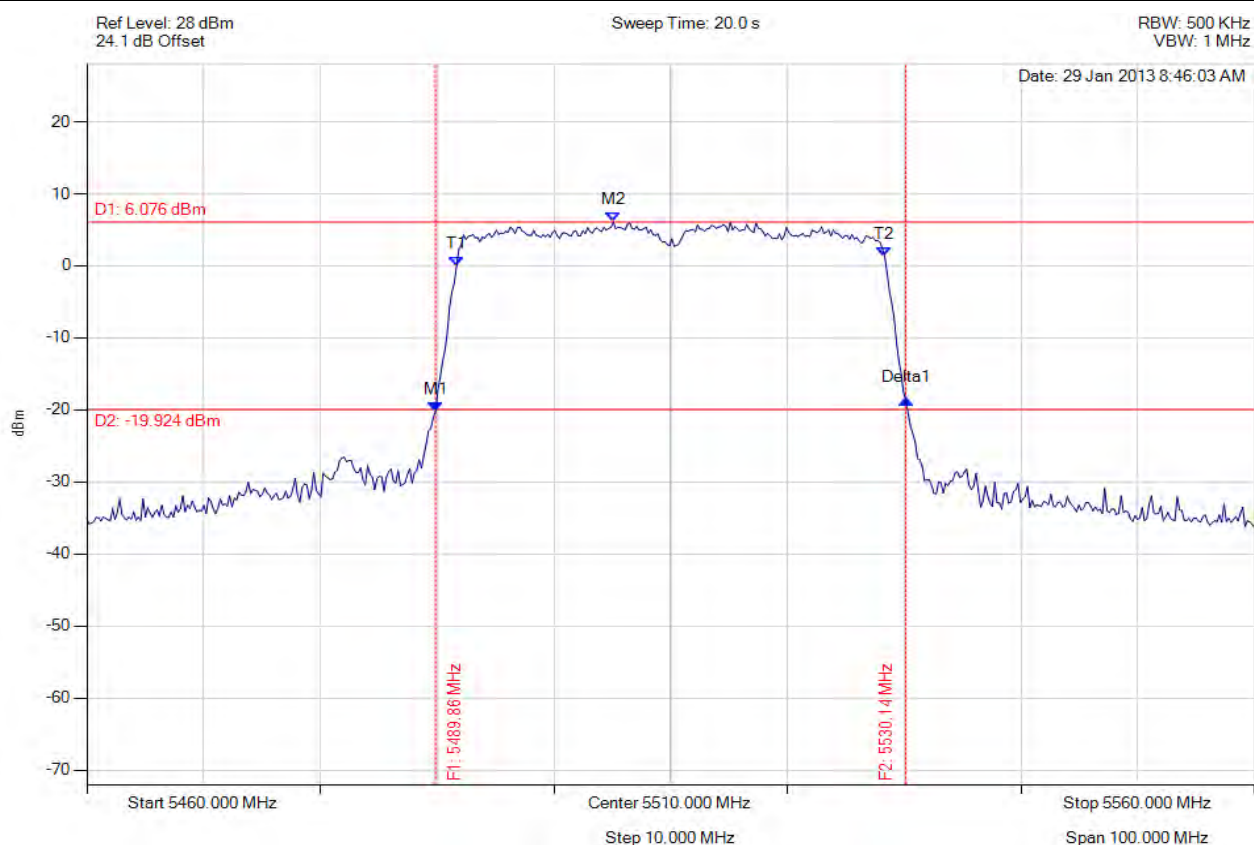


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

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 : 5489.860 MHz : -20.232 dBm M2 : 5505.090 MHz : 6.076 dBm Delta1 : 40.281 MHz : 1.666 dB T1 : 5491.663 MHz : -0.066 dBm T2 : 5528.337 MHz : 1.273 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.281 MHz Measured 99% Bandwidth: 36.673 MHz

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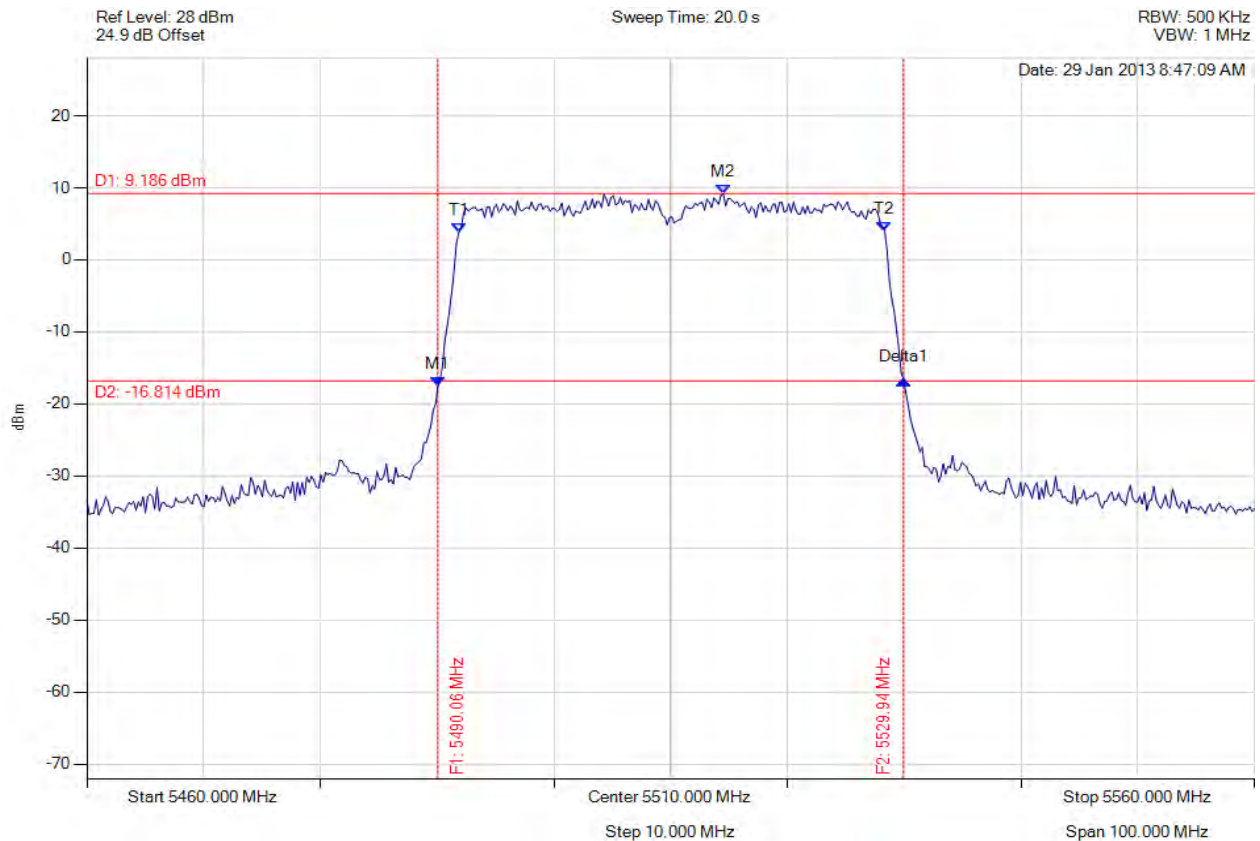


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5490.060 MHz : -17.574 dBm M2 : 5514.509 MHz : 9.186 dBm Delta1 : 39.880 MHz : 0.940 dB T1 : 5491.864 MHz : 3.845 dBm T2 : 5528.337 MHz : 3.916 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 39.880 MHz Measured 99% Bandwidth: 36.473 MHz

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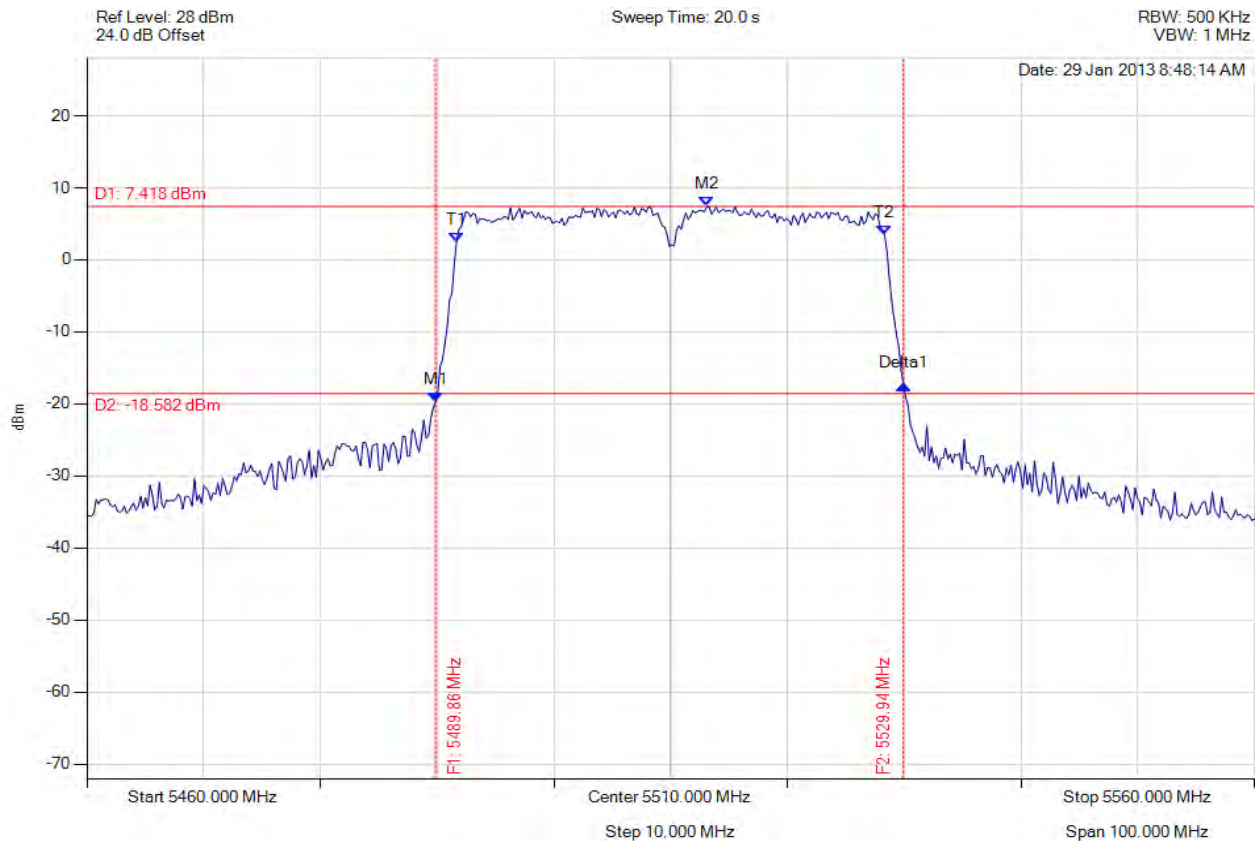


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## 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 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 : 5489.860 MHz : -19.675 dBm M2 : 5513.106 MHz : 7.418 dBm Delta1 : 40.080 MHz : 2.323 dB T1 : 5491.663 MHz : 2.495 dBm T2 : 5528.337 MHz : 3.394 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.080 MHz Measured 99% Bandwidth: 36.673 MHz

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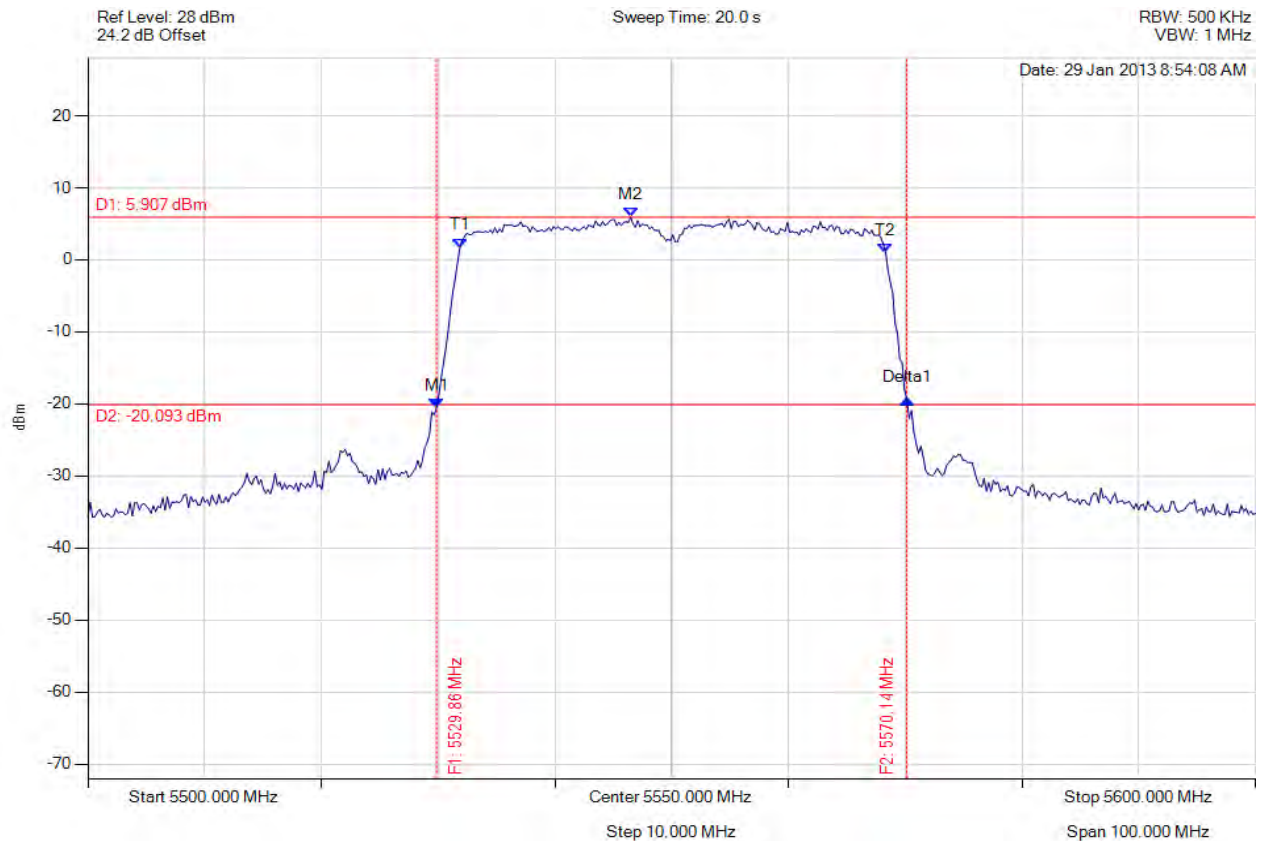


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### 26 dB & 99% BANDWIDTH

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5529.860 MHz : -20.548 dBm M2 : 5546.493 MHz : 5.907 dBm Delta1 : 40.281 MHz : 1.202 dB T1 : 5531.864 MHz : 1.712 dBm T2 : 5568.337 MHz : 0.931 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 40.281 MHz Measured 99% Bandwidth: 36.473 MHz

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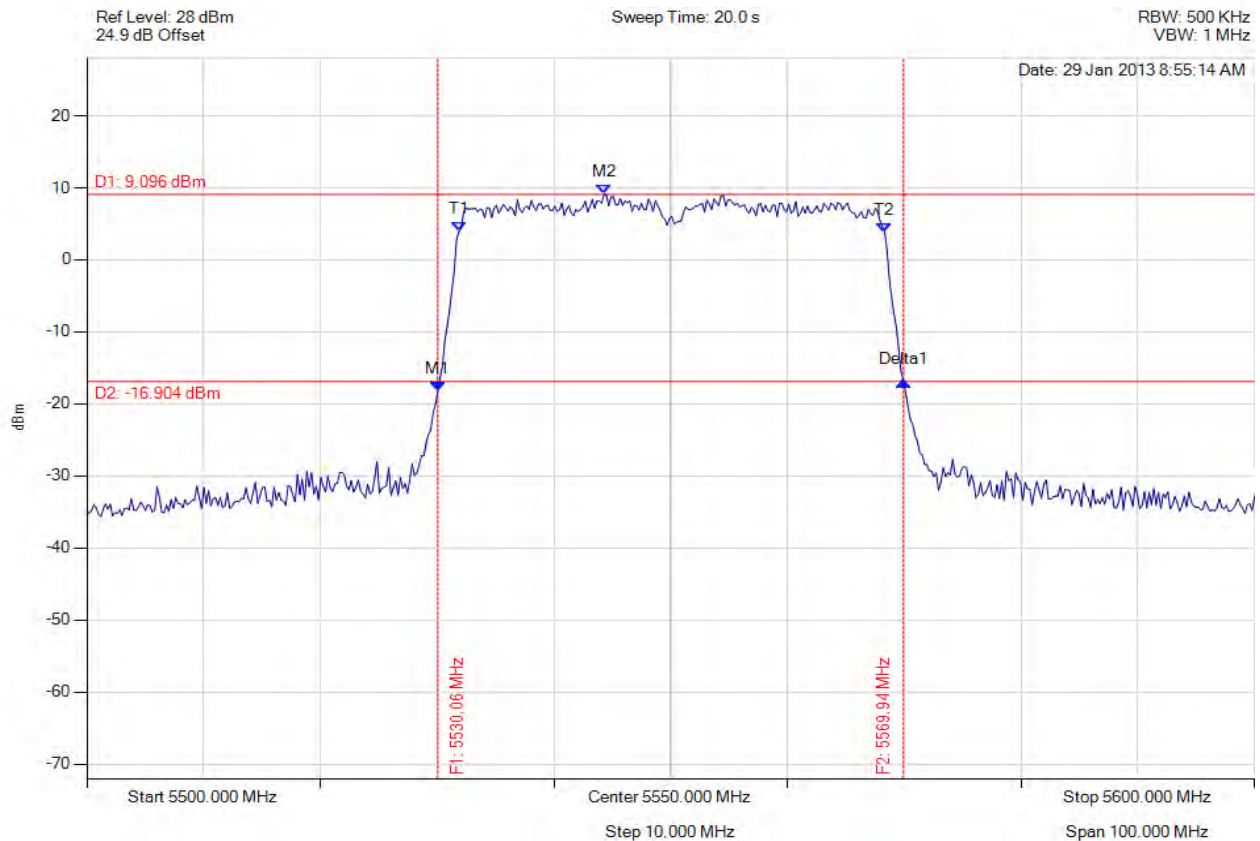


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

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 : 5530.060 MHz : -18.197 dBm M2 : 5544.289 MHz : 9.096 dBm Delta1 : 39.880 MHz : 1.348 dB T1 : 5531.864 MHz : 3.935 dBm T2 : 5568.337 MHz : 3.872 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 39.880 MHz Measured 99% Bandwidth: 36.473 MHz

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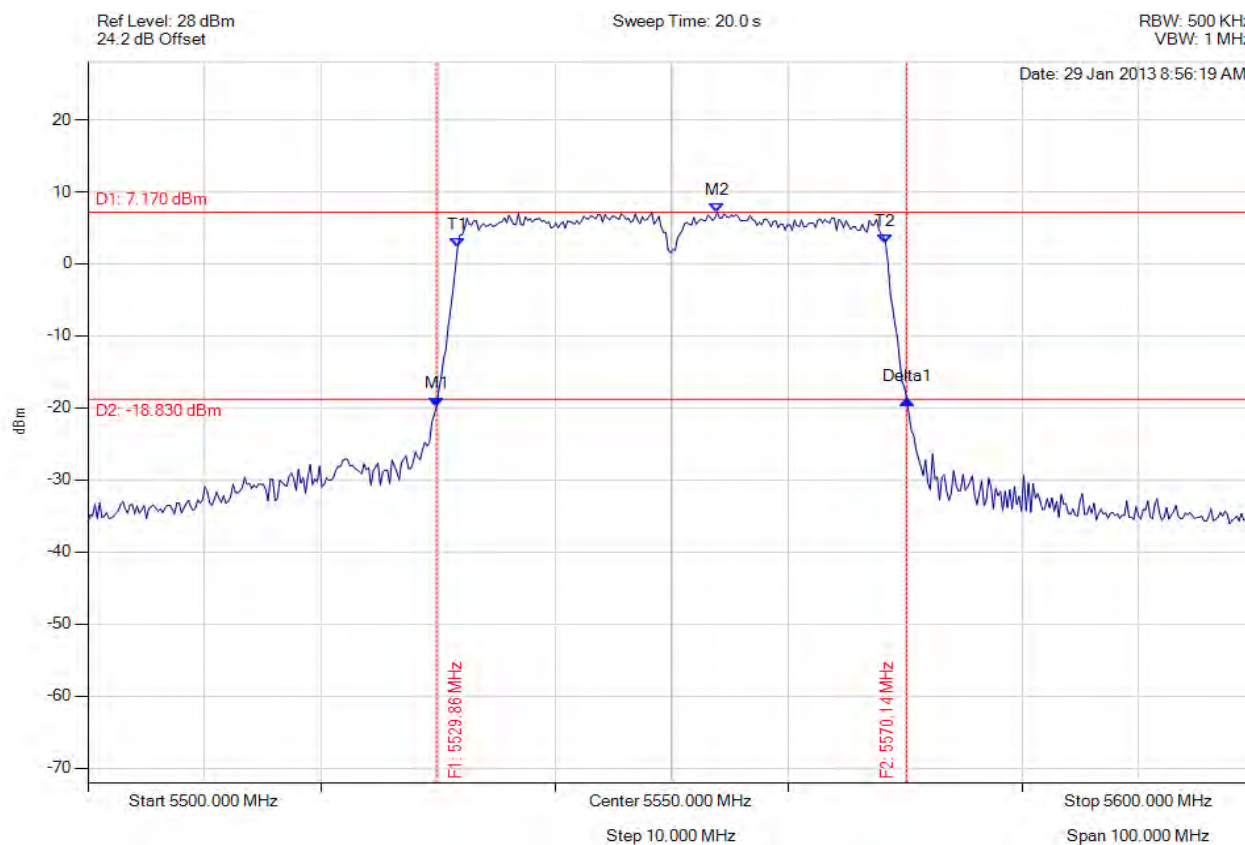


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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### 26 dB & 99% BANDWIDTH

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 : 5529.860 MHz : -19.801 dBm M2 : 5553.908 MHz : 7.170 dBm Delta1 : 40.281 MHz : 0.994 dB T1 : 5531.663 MHz : 2.247 dBm T2 : 5568.337 MHz : 2.731 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.281 MHz Measured 99% Bandwidth: 36.673 MHz

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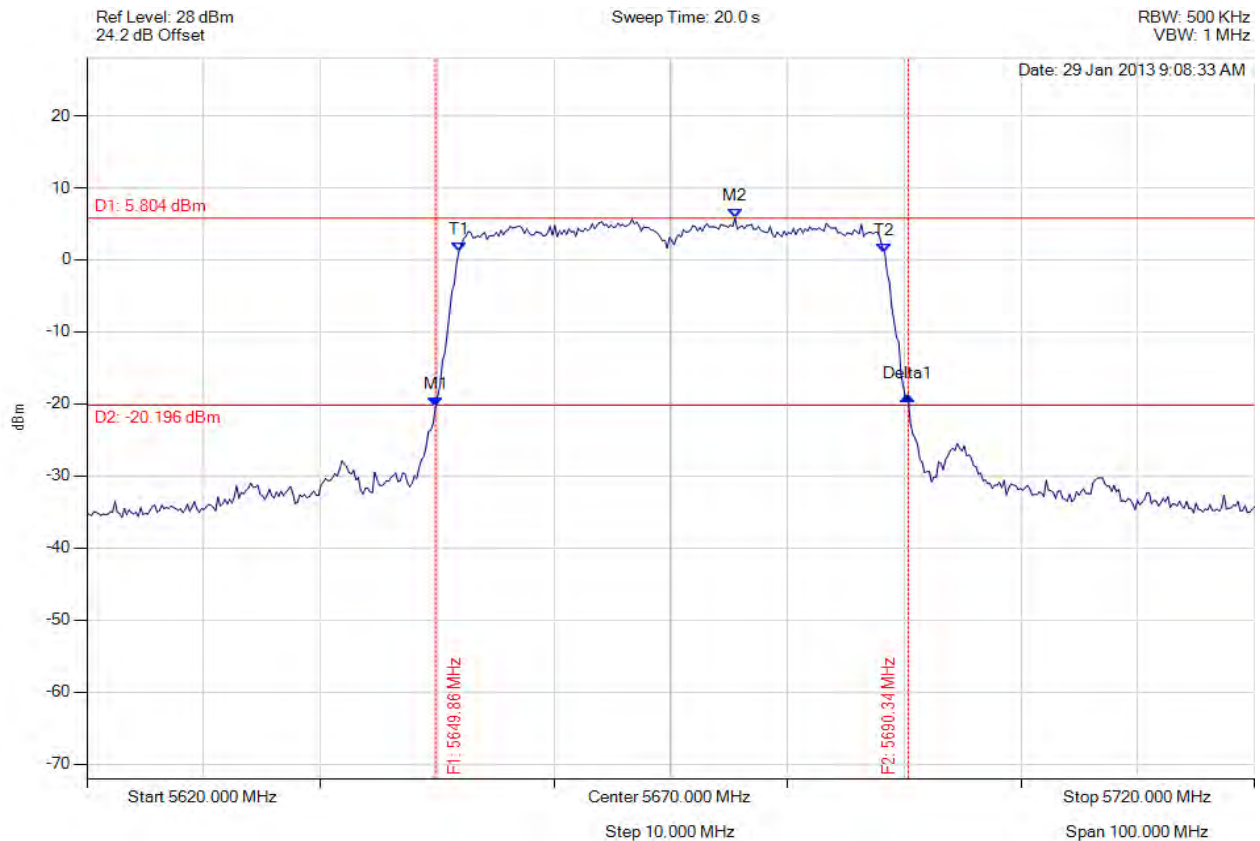


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5670.00 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 : 5649.860 MHz : -20.456 dBm M2 : 5675.511 MHz : 5.804 dBm Delta1 : 40.481 MHz : 1.580 dB T1 : 5651.864 MHz : 1.191 dBm T2 : 5688.337 MHz : 1.012 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 40.481 MHz Measured 99% Bandwidth: 36.473 MHz

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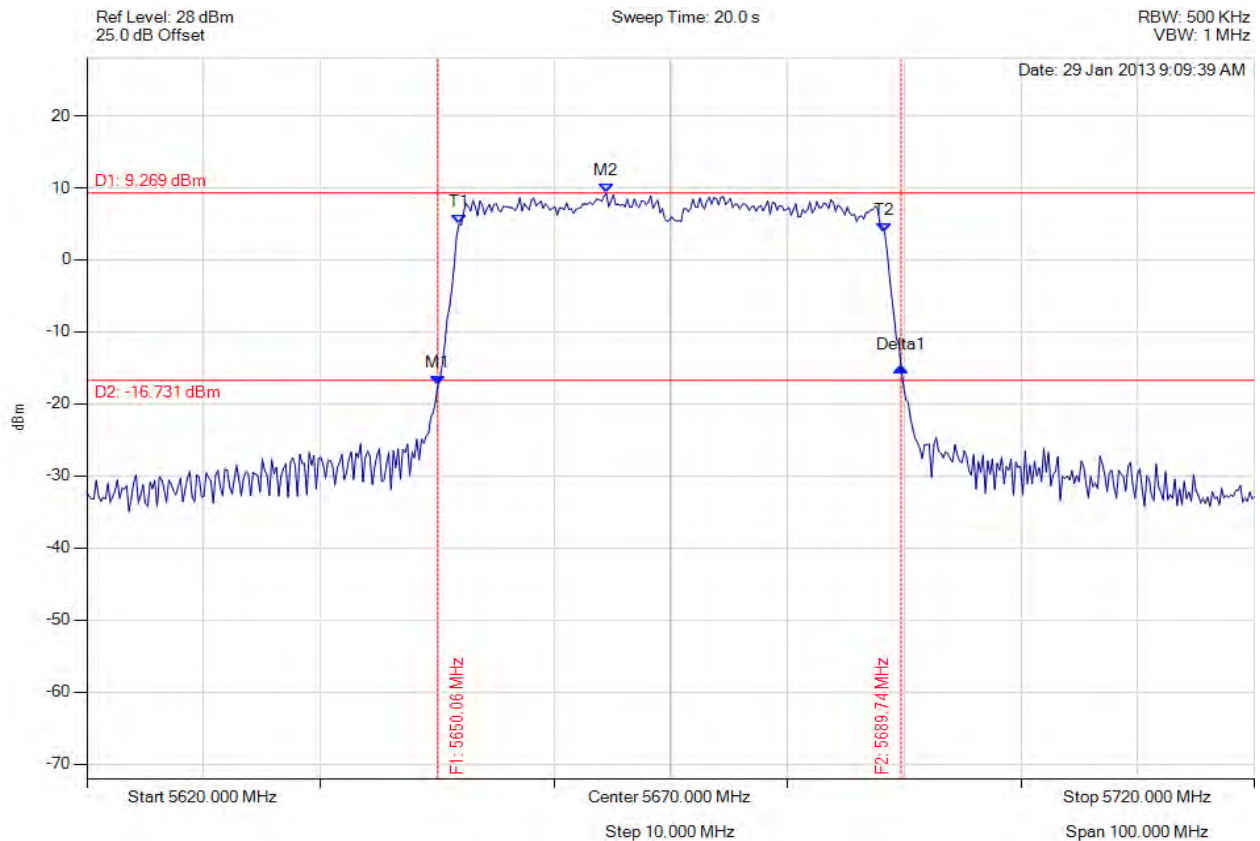


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5670.00 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 : 5650.060 MHz : -17.448 dBm M2 : 5664.489 MHz : 9.269 dBm Delta1 : 39.679 MHz : 2.524 dB T1 : 5651.864 MHz : 4.960 dBm T2 : 5688.337 MHz : 3.733 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 39.679 MHz Measured 99% Bandwidth: 36.473 MHz

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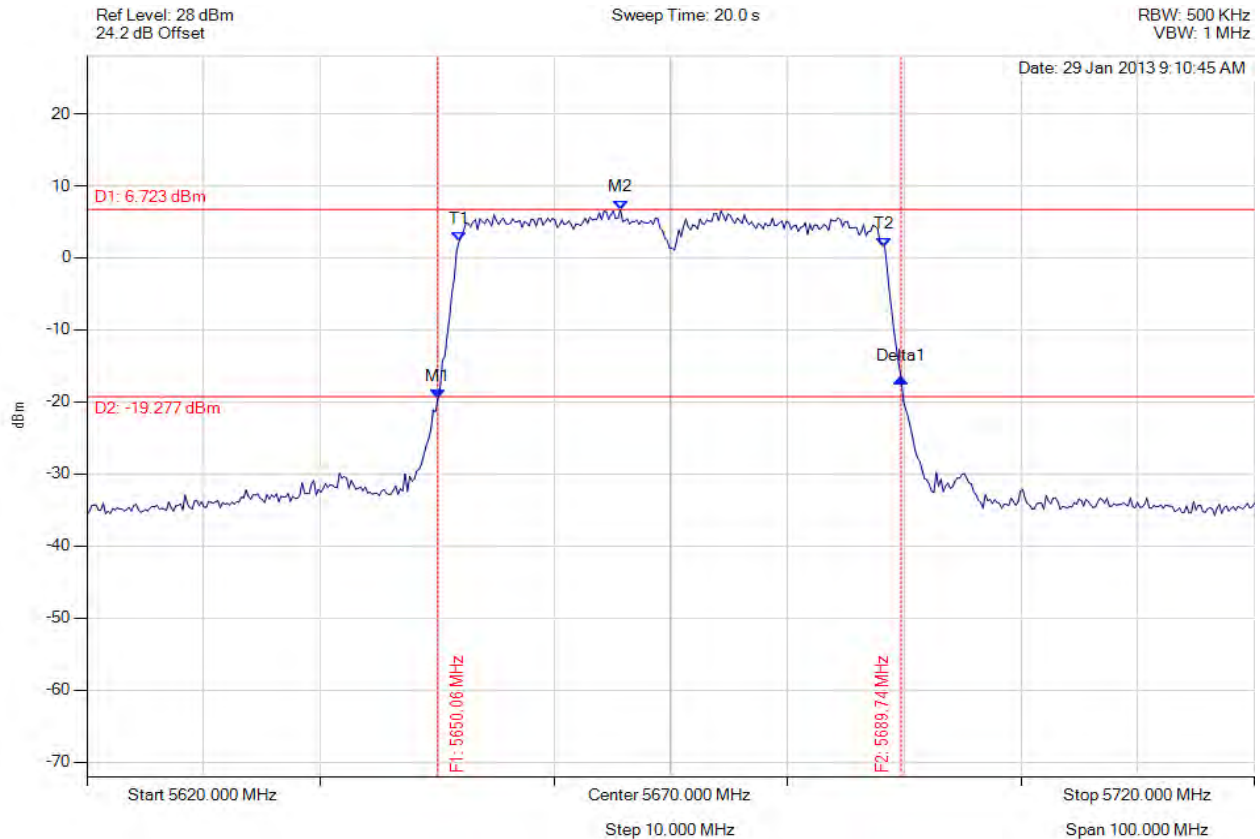


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



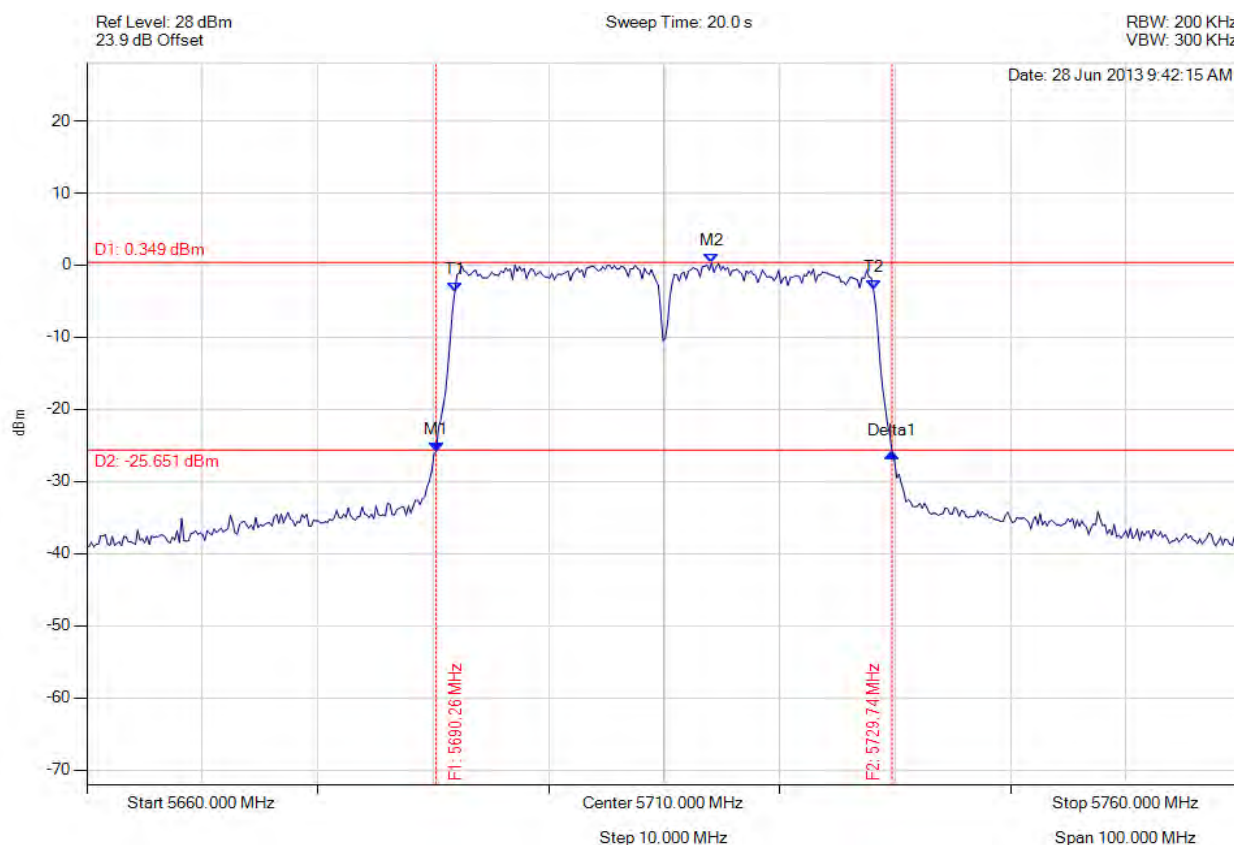
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5650.060 MHz : -19.492 dBm M2 : 5665.691 MHz : 6.723 dBm Delta1 : 39.679 MHz : 2.739 dB T1 : 5651.864 MHz : 2.239 dBm T2 : 5688.337 MHz : 1.541 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 39.679 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 a, Temp: Ambient, Voltage: 12 Vdc



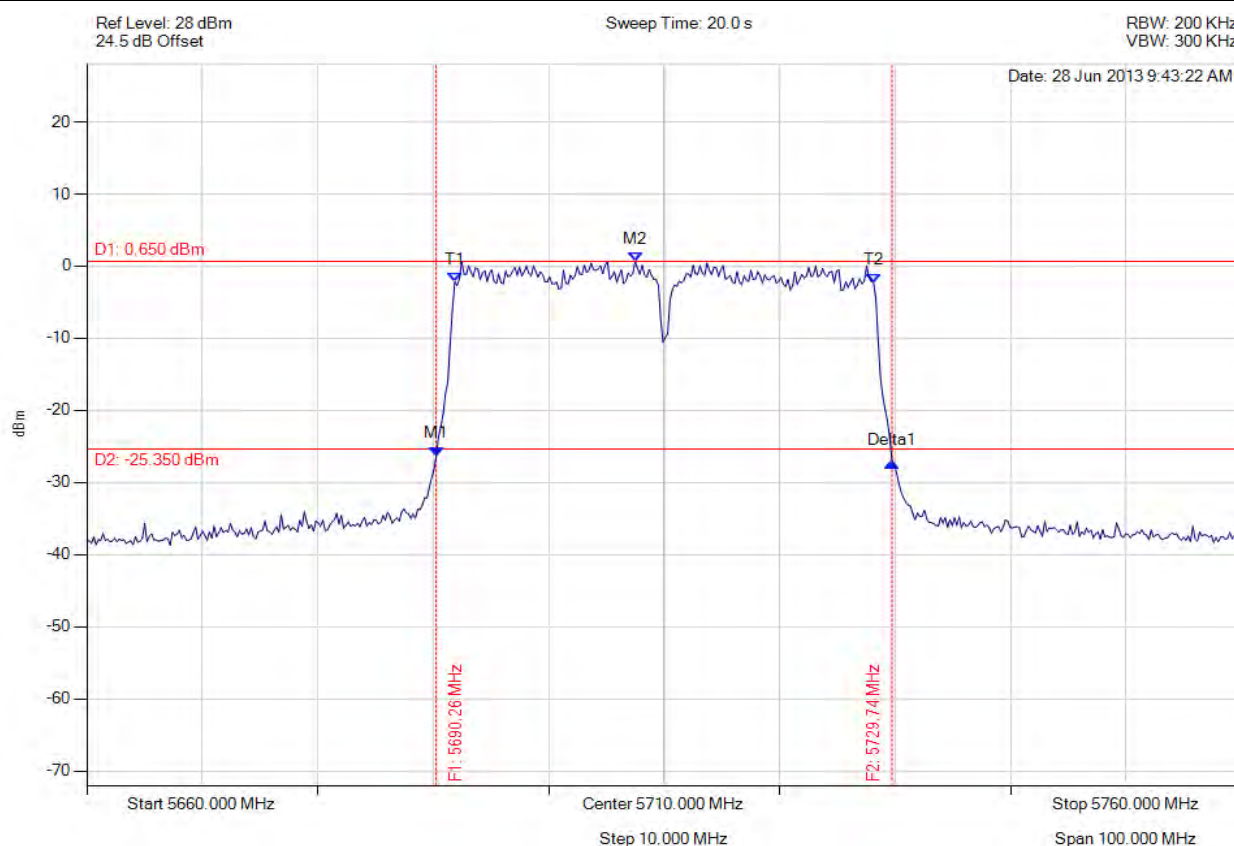
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5690.261 MHz : -25.833 dBm M2 : 5714.108 MHz : 0.349 dBm Delta1 : 39.479 MHz : -0.153 dB T1 : 5691.864 MHz : -3.700 dBm T2 : 5728.136 MHz : -3.440 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.479 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 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 : 5690.261 MHz : -26.303 dBm M2 : 5707.495 MHz : 0.650 dBm Delta1 : 39.479 MHz : -0.856 dB T1 : 5691.864 MHz : -2.205 dBm T2 : 5728.136 MHz : -2.293 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.479 MHz Measured 99% Bandwidth: 36.273 MHz

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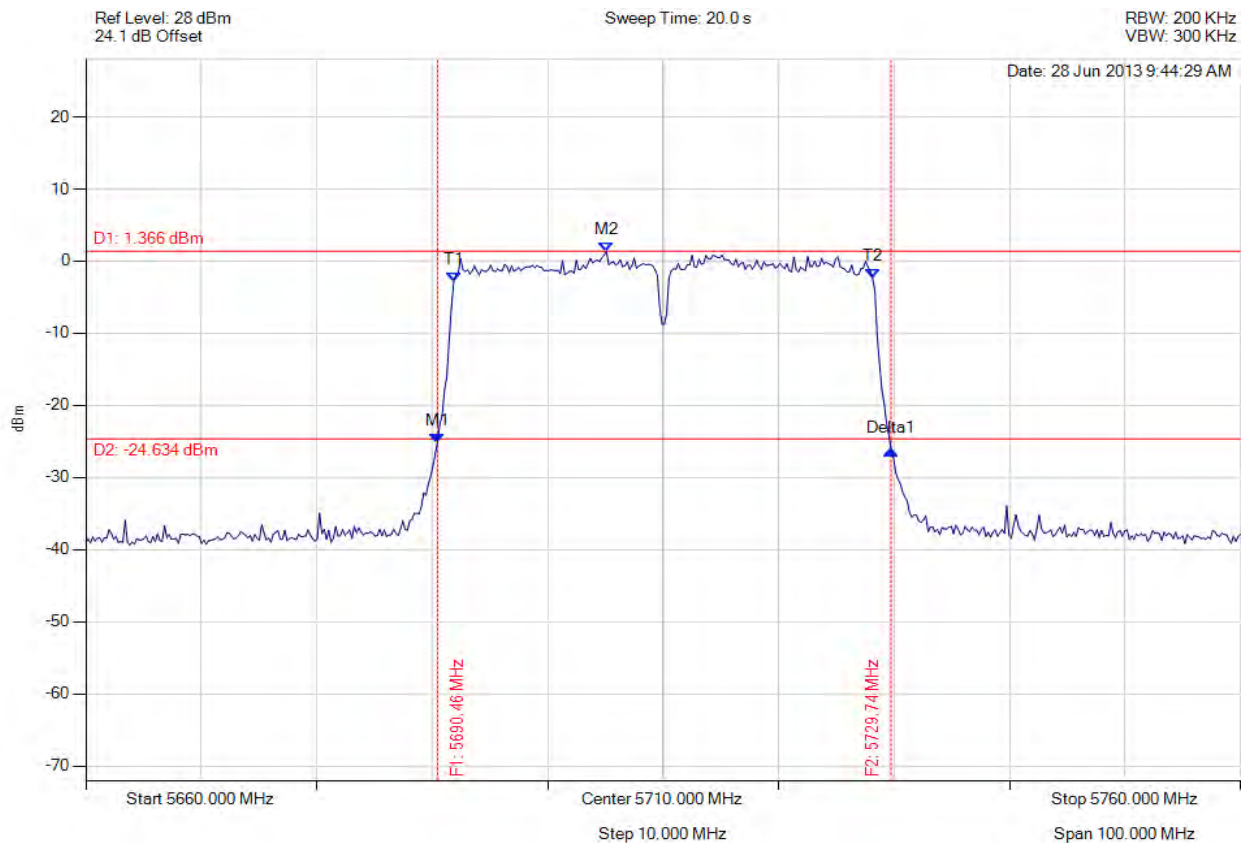


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : -25.160 dBm M2 : 5705.090 MHz : 1.366 dBm Delta1 : 39.279 MHz : -1.119 dB T1 : 5691.864 MHz : -2.823 dBm T2 : 5728.136 MHz : -2.327 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.279 MHz Measured 99% Bandwidth: 36.273 MHz

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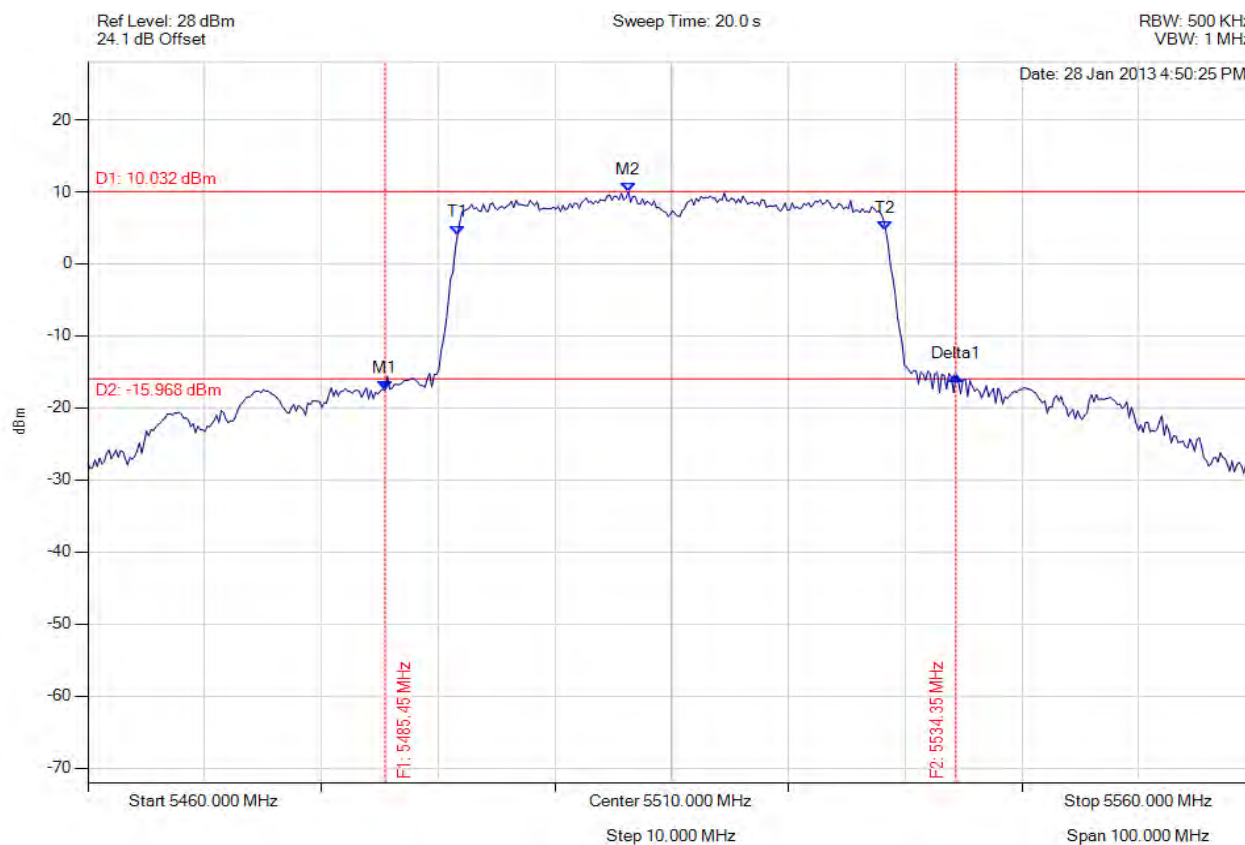


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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## 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5485.451 MHz : -17.509 dBm M2 : 5506.293 MHz : 10.032 dBm Delta1 : 48.898 MHz : 1.891 dB T1 : 5491.663 MHz : 4.045 dBm T2 : 5528.337 MHz : 4.642 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 48.898 MHz Measured 99% Bandwidth: 36.673 MHz

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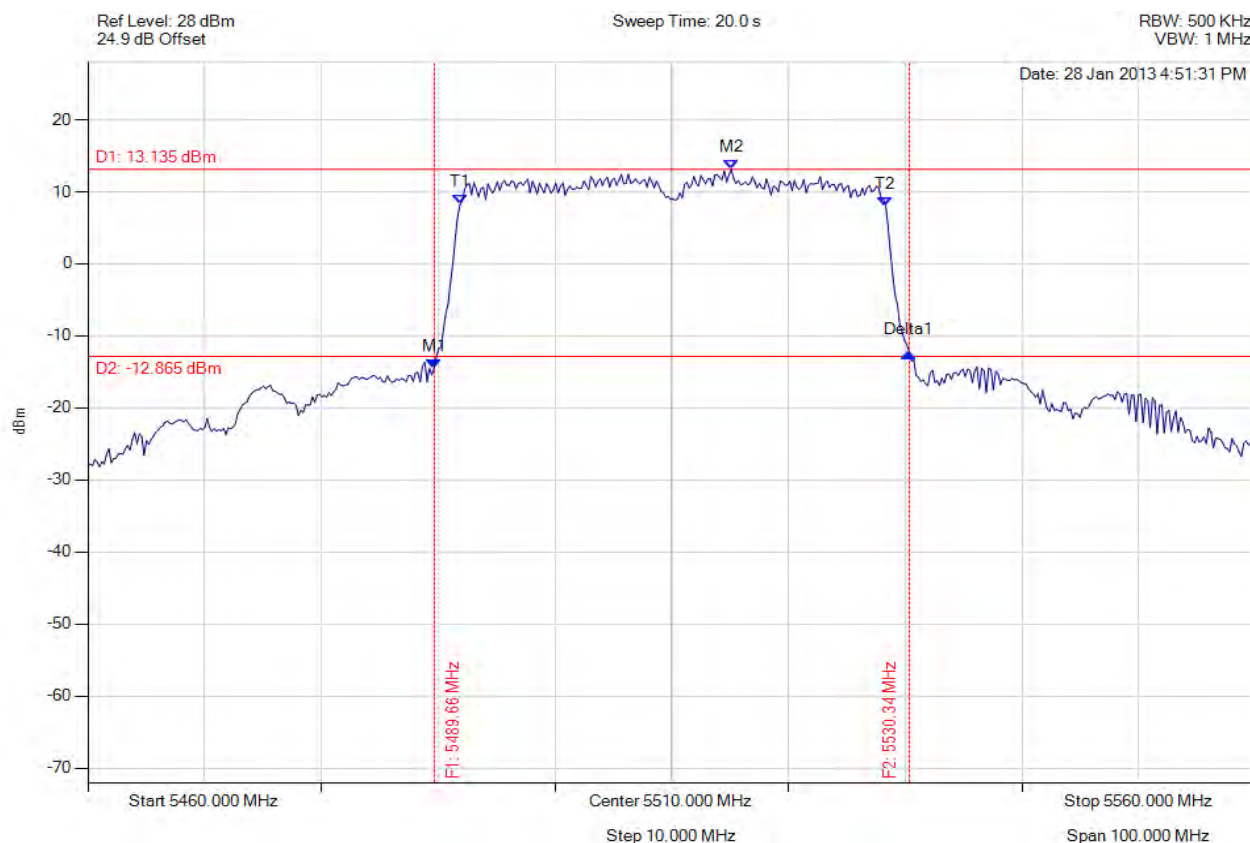


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5489.659 MHz : -14.481 dBm M2 : 5515.110 MHz : 13.135 dBm Delta1 : 40.681 MHz : 2.186 dB T1 : 5491.864 MHz : 8.236 dBm T2 : 5528.337 MHz : 7.964 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 40.681 MHz Measured 99% Bandwidth: 36.473 MHz

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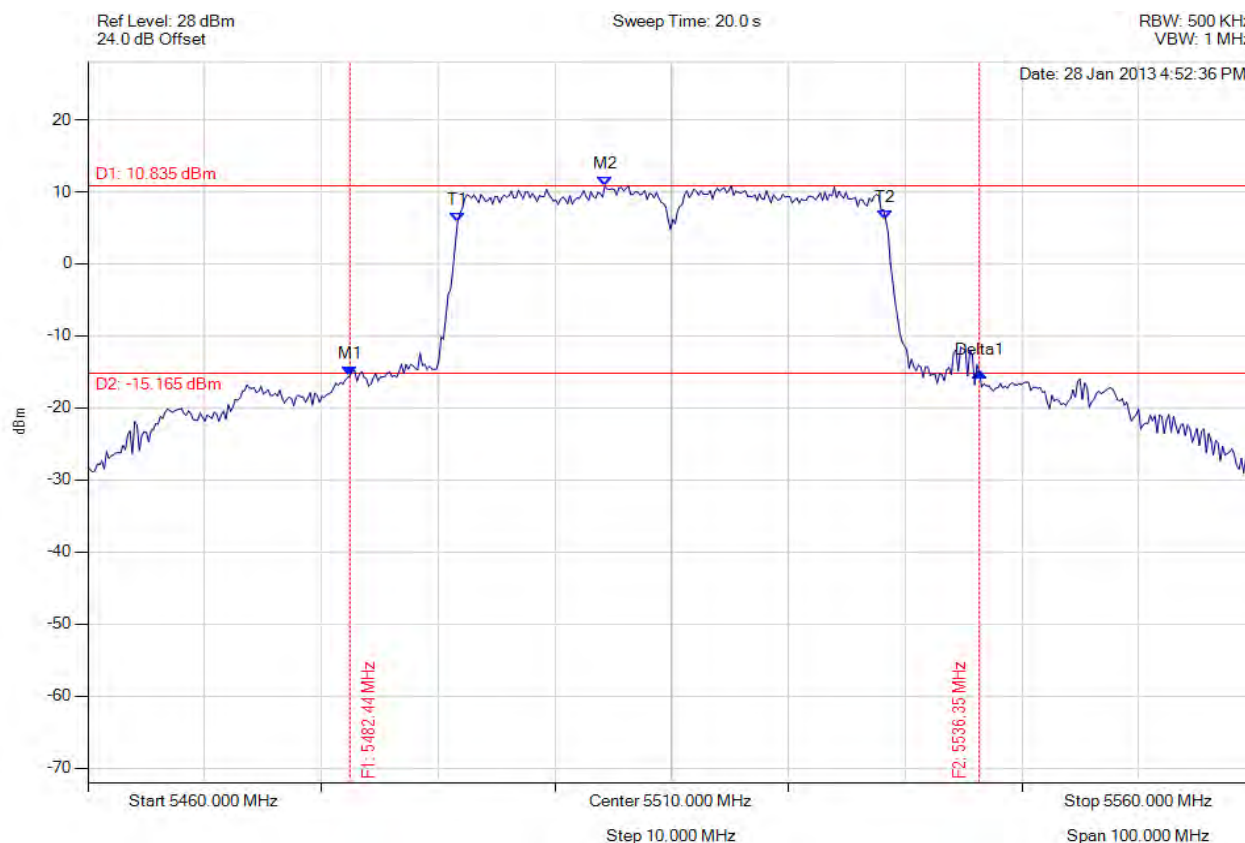


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

Variant: 802.11ac-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 : 5482.445 MHz : -15.579 dBm M2 : 5504.289 MHz : 10.835 dBm Delta1 : 53.908 MHz : 0.480 dB T1 : 5491.663 MHz : 5.757 dBm T2 : 5528.337 MHz : 6.125 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 53.908 MHz Measured 99% Bandwidth: 36.673 MHz

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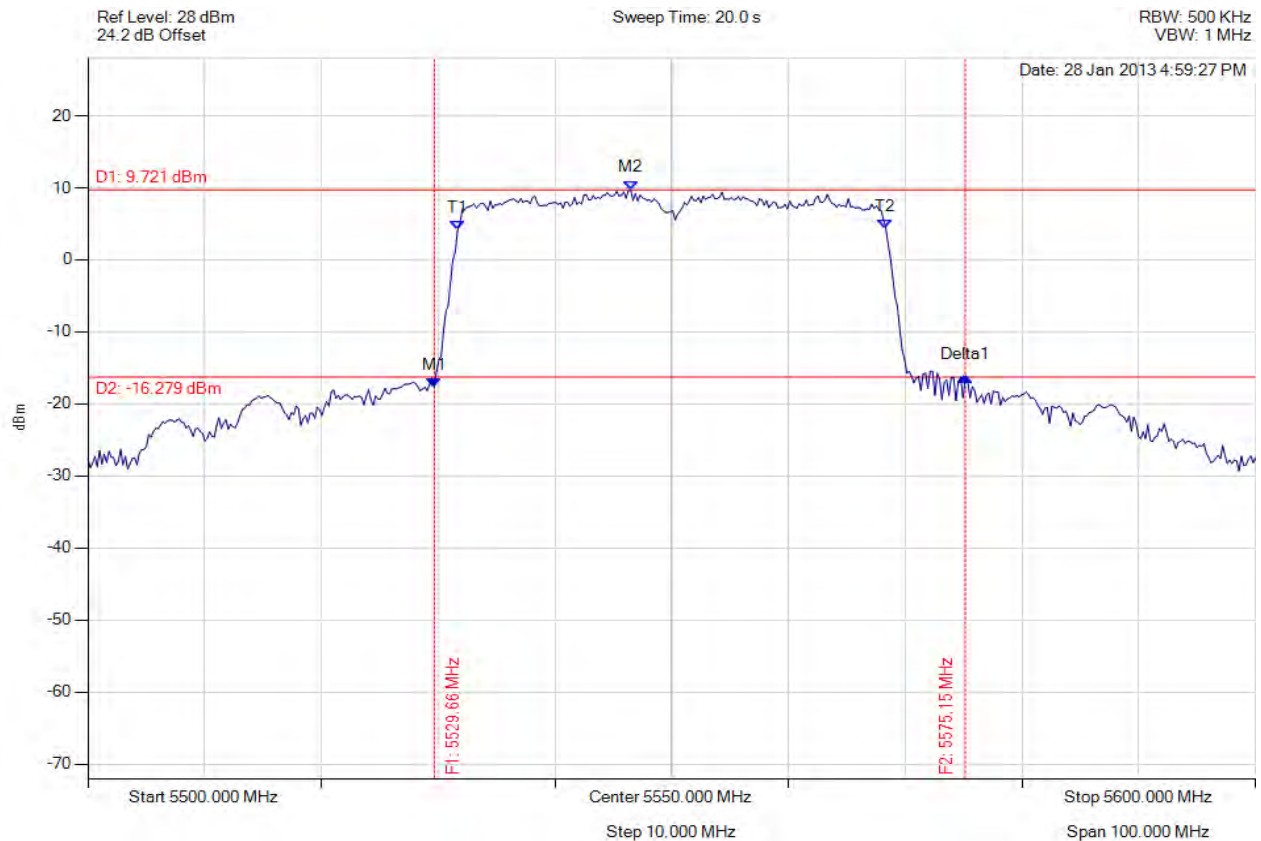


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

Variant: 802.11ac-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 : 5529.659 MHz : -17.725 dBm M2 : 5546.493 MHz : 9.721 dBm Delta1 : 45.491 MHz : 1.458 dB T1 : 5531.663 MHz : 4.057 dBm T2 : 5568.337 MHz : 4.360 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 45.491 MHz Measured 99% Bandwidth: 36.673 MHz

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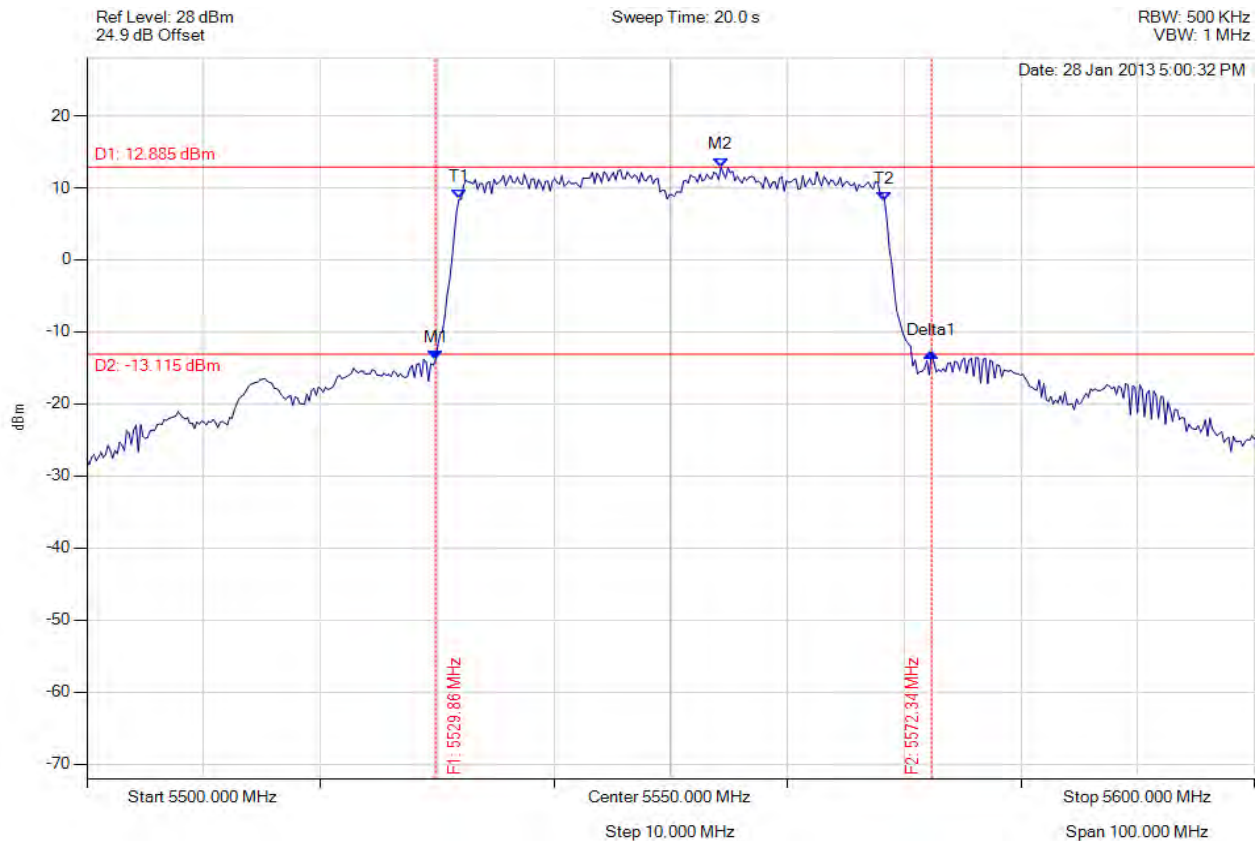


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5529.860 MHz : -13.928 dBm M2 : 5554.309 MHz : 12.885 dBm Delta1 : 42.485 MHz : 0.984 dB T1 : 5531.864 MHz : 8.405 dBm T2 : 5568.337 MHz : 8.098 dBm OBW : 36.473 MHz	Measured 26 dB Bandwidth: 42.485 MHz Measured 99% Bandwidth: 36.473 MHz

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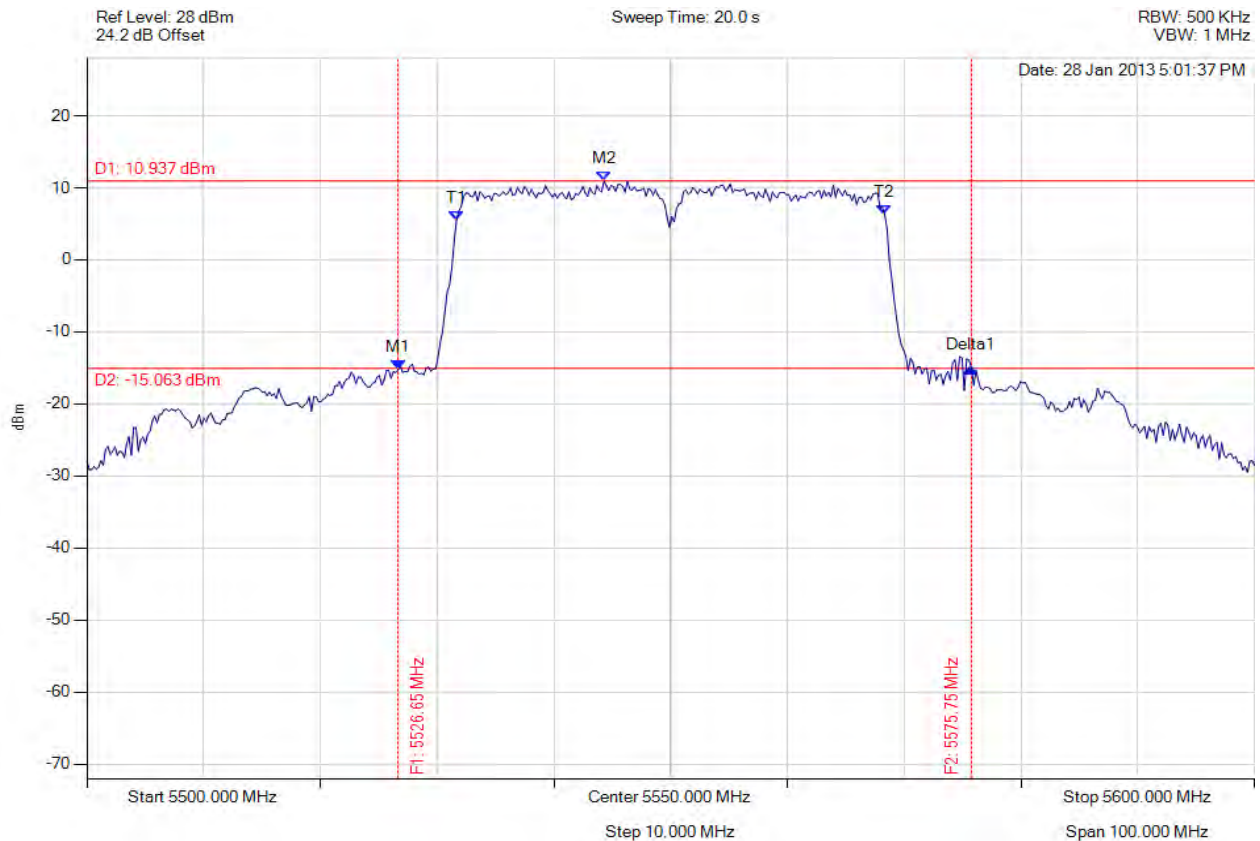


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5526.653 MHz : -15.278 dBm M2 : 5544.289 MHz : 10.937 dBm Delta1 : 49.098 MHz : 0.309 dB T1 : 5531.663 MHz : 5.537 dBm T2 : 5568.337 MHz : 6.251 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 49.098 MHz Measured 99% Bandwidth: 36.673 MHz

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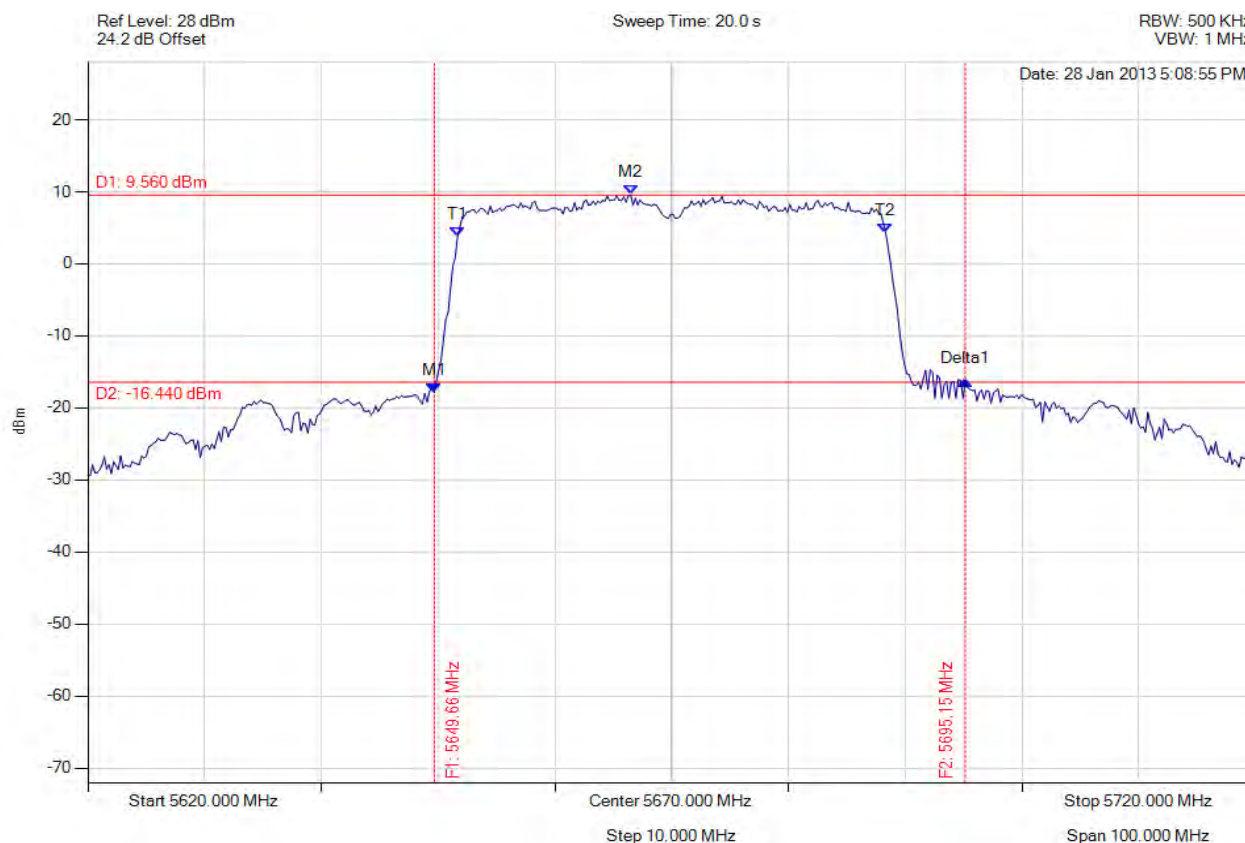


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

Variant: 802.11ac-40, Channel: 5670.00 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 : 5649.659 MHz : -17.847 dBm M2 : 5666.493 MHz : 9.560 dBm Delta1 : 45.491 MHz : 1.601 dB T1 : 5651.663 MHz : 3.851 dBm T2 : 5688.337 MHz : 4.250 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 45.491 MHz Measured 99% Bandwidth: 36.673 MHz

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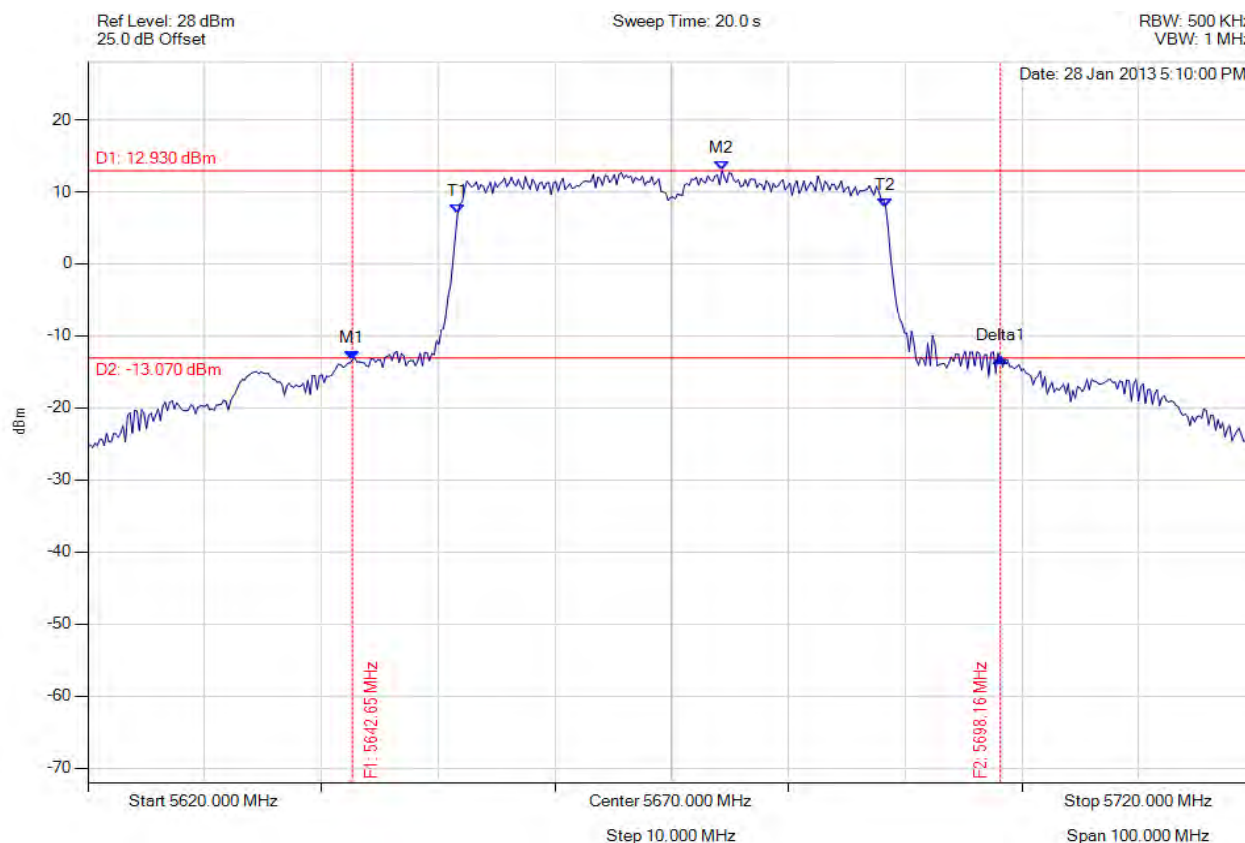


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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## 26 dB & 99% BANDWIDTH

Variant: 802.11ac-40, Channel: 5670.00 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 : 5642.645 MHz : -13.340 dBm M2 : 5674.309 MHz : 12.930 dBm Delta1 : 55.511 MHz : 0.289 dB T1 : 5651.663 MHz : 6.932 dBm T2 : 5688.337 MHz : 7.829 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 55.511 MHz Measured 99% Bandwidth: 36.673 MHz

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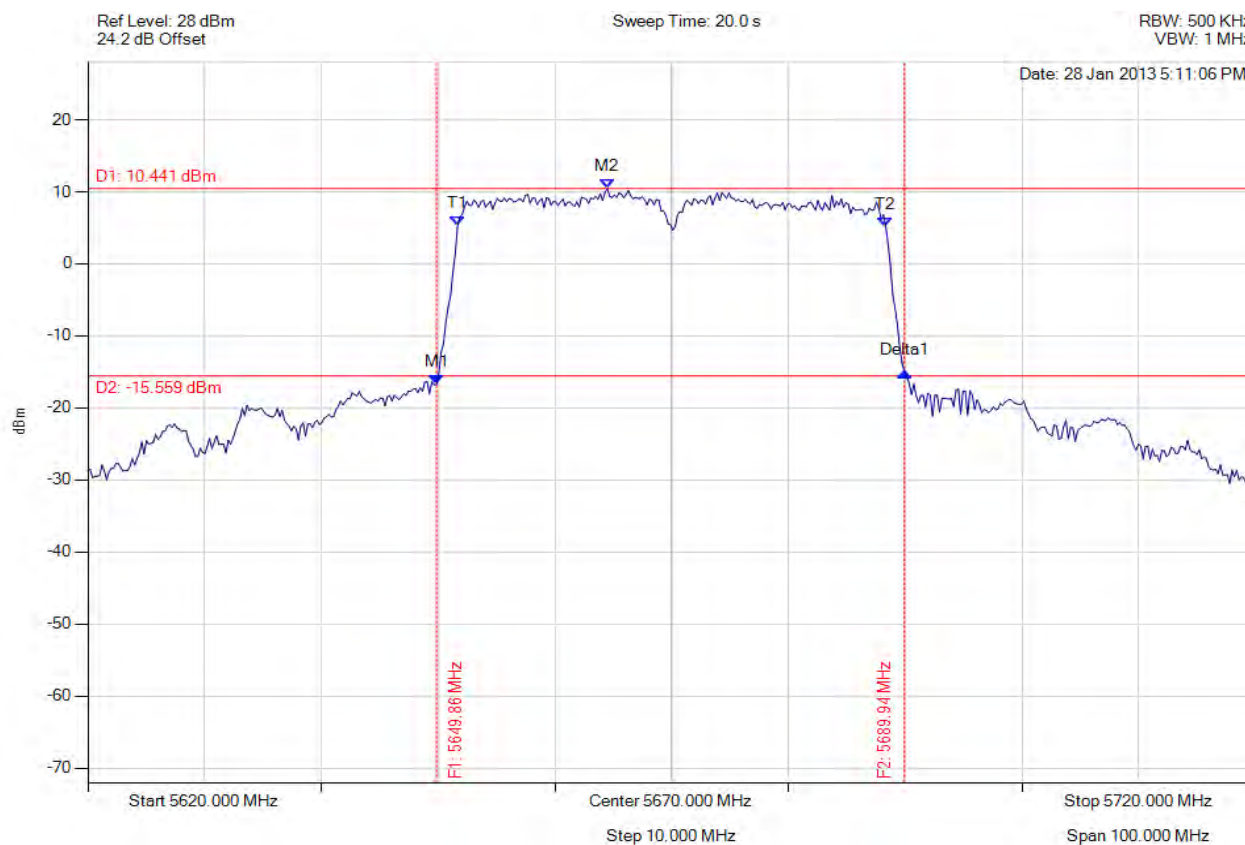


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



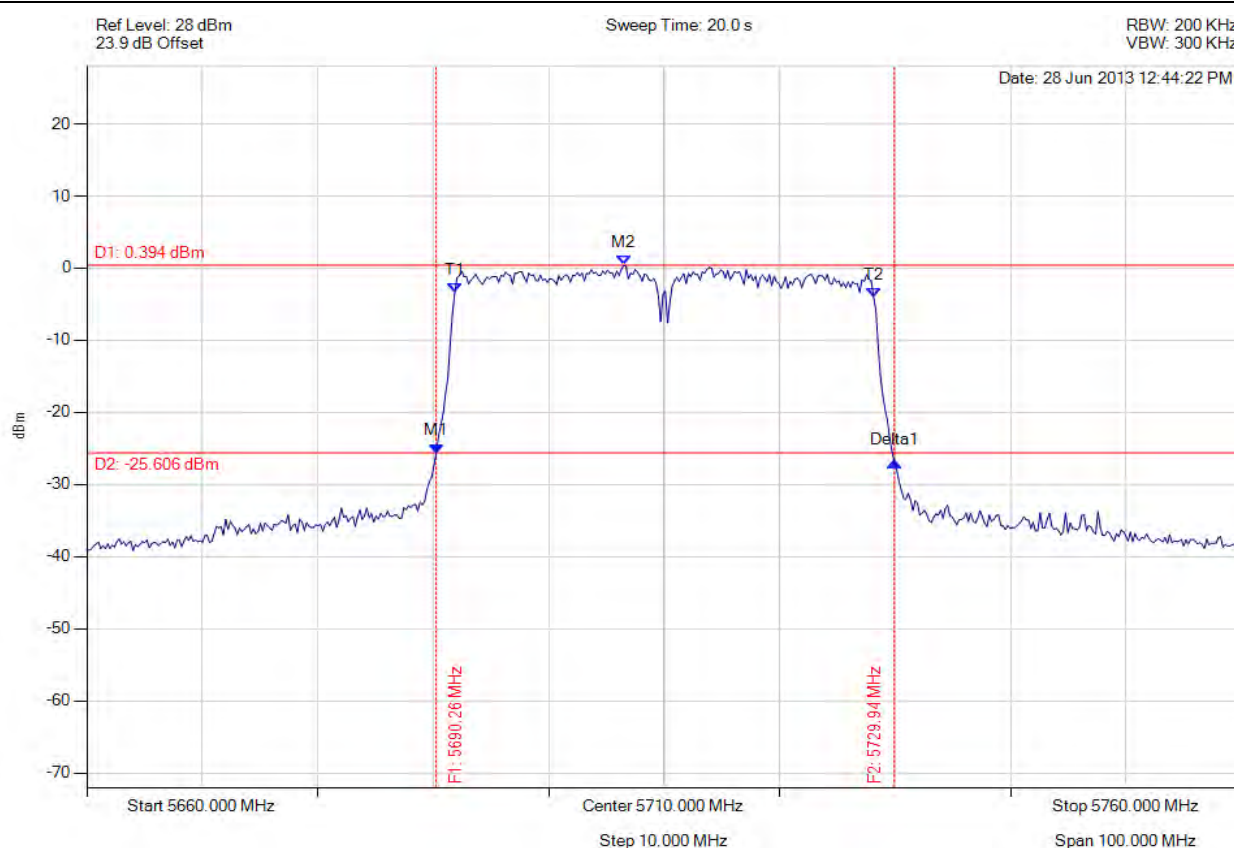
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5649.860 MHz : -16.759 dBm M2 : 5664.489 MHz : 10.441 dBm Delta1 : 40.080 MHz : 1.739 dB T1 : 5651.663 MHz : 5.267 dBm T2 : 5688.337 MHz : 5.155 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 40.080 MHz Measured 99% Bandwidth: 36.673 MHz

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### 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5690.261 MHz : -25.642 dBm M2 : 5706.493 MHz : 0.394 dBm Delta1 : 39.679 MHz : -1.251 dB T1 : 5691.864 MHz : -3.366 dBm T2 : 5728.136 MHz : -3.968 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.679 MHz Measured 99% Bandwidth: 36.273 MHz

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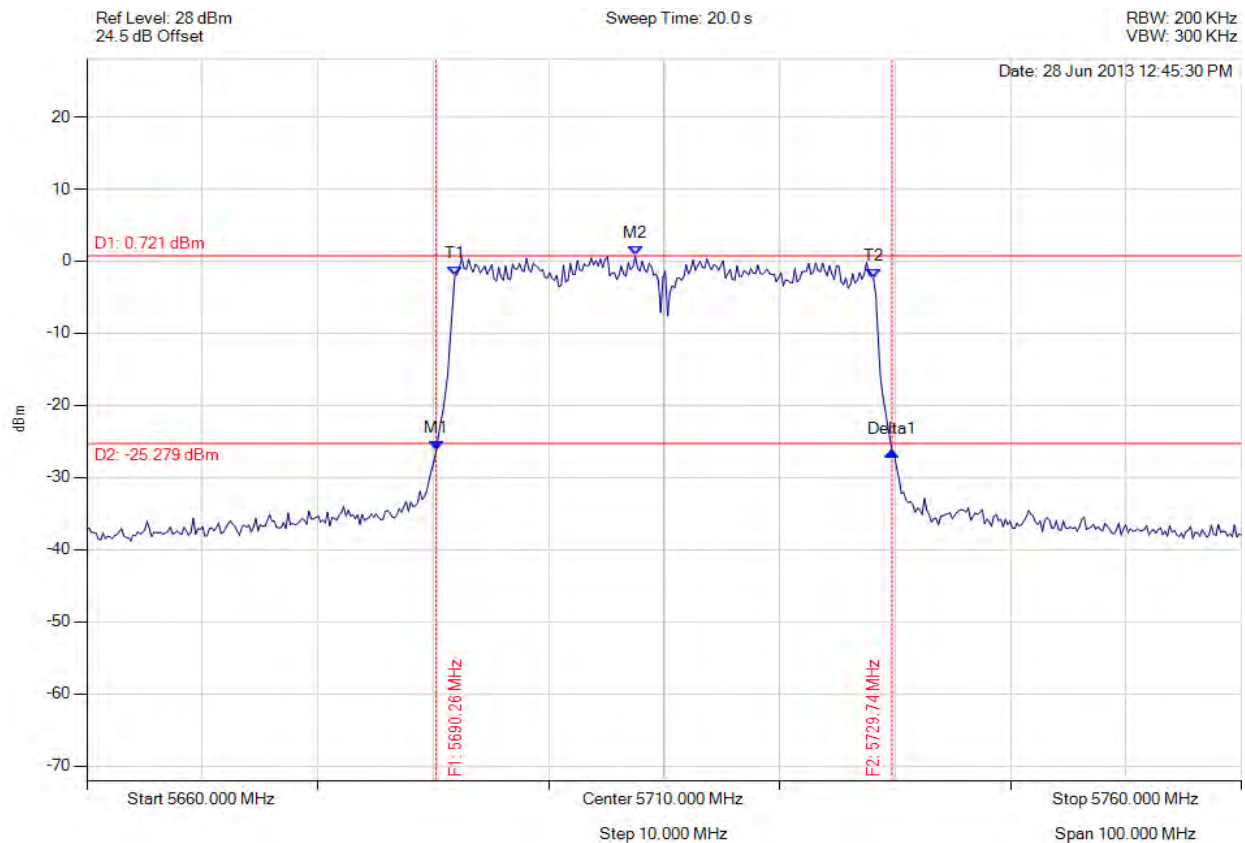


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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## 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : 5690.261 MHz : -26.285 dBm M2 : 5707.495 MHz : 0.721 dBm Delta1 : 39.479 MHz : -0.157 dB T1 : 5691.864 MHz : -2.079 dBm T2 : 5728.136 MHz : -2.402 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.479 MHz Measured 99% Bandwidth: 36.273 MHz

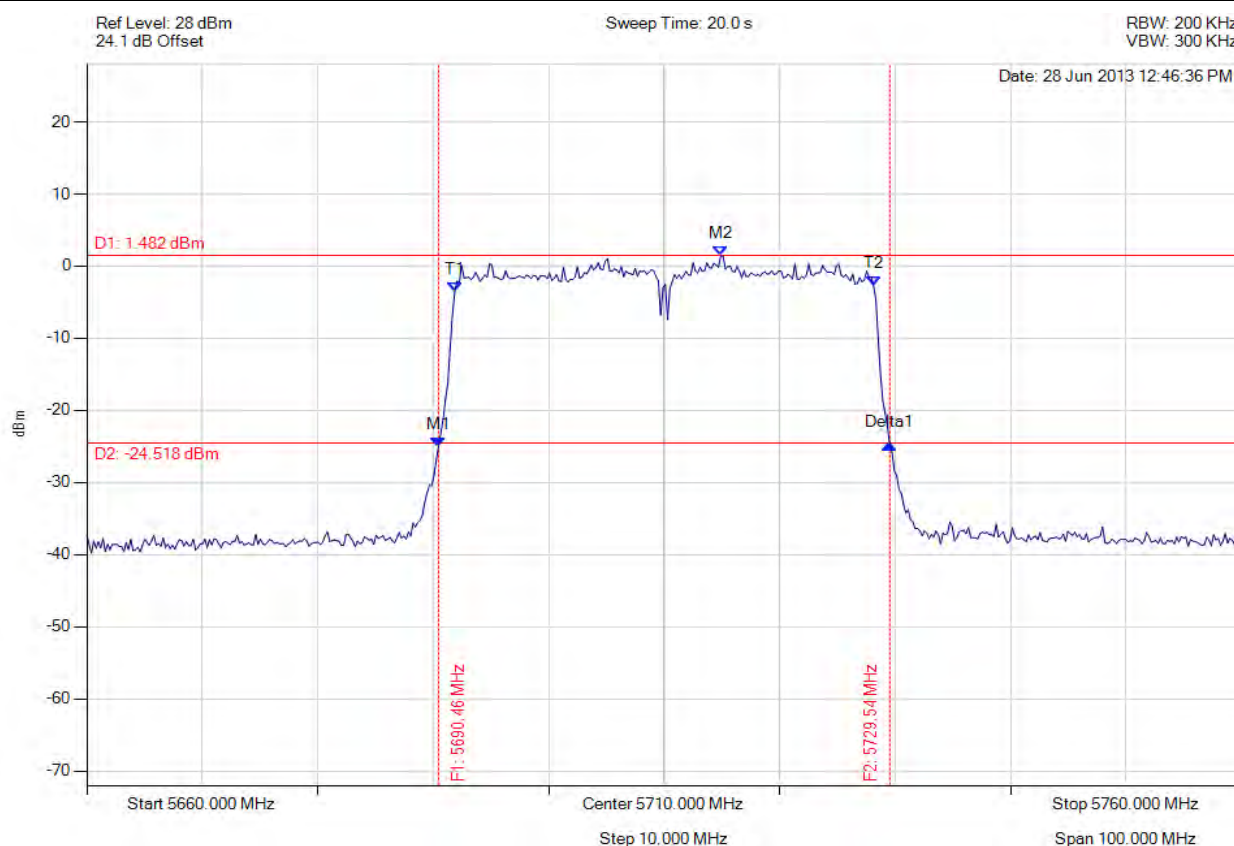
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## 26 dB & 99% BANDWIDTH

Variant: 802.11ac-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 : -25.087 dBm M2 : 5714.910 MHz : 1.482 dBm Delta1 : 39.078 MHz : 0.380 dB T1 : 5691.864 MHz : -3.554 dBm T2 : 5728.136 MHz : -2.712 dBm OBW : 36.273 MHz	Measured 26 dB Bandwidth: 39.078 MHz Measured 99% Bandwidth: 36.273 MHz

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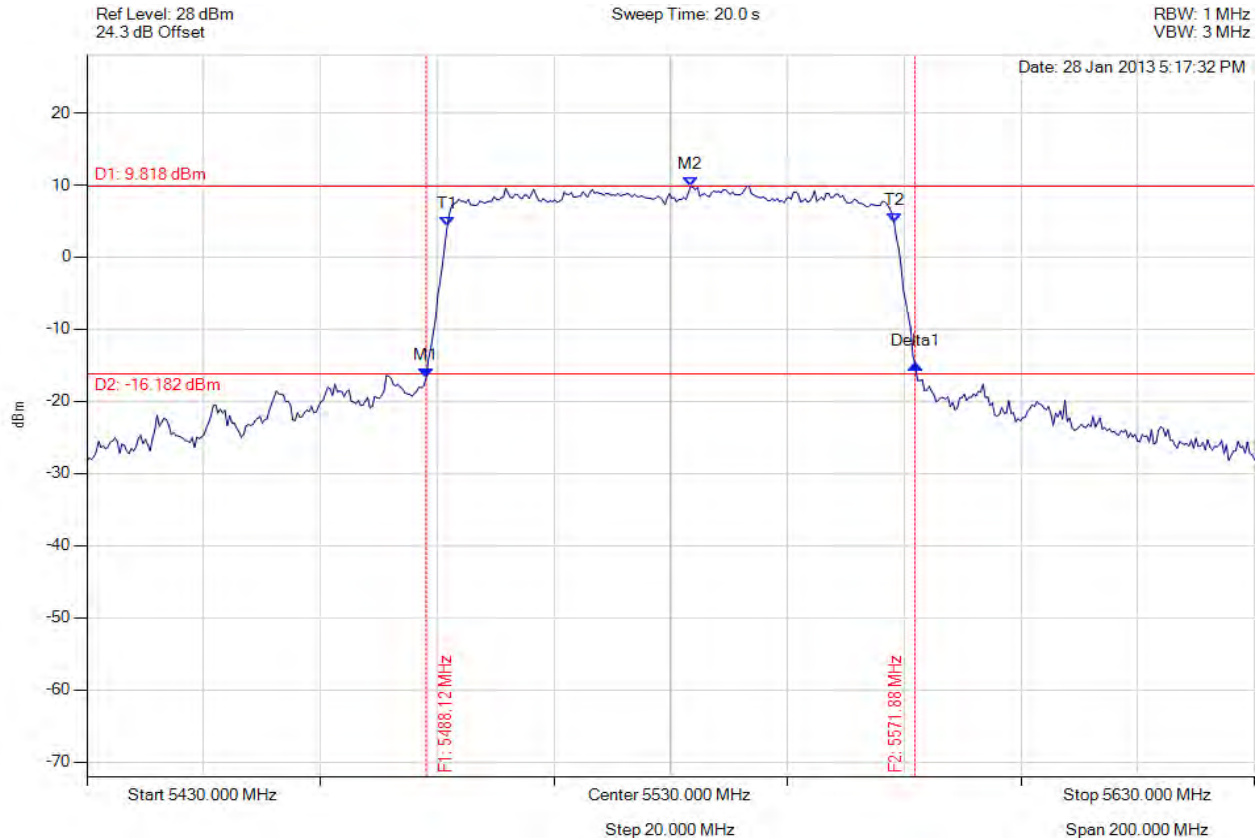


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### 26 dB & 99% BANDWIDTH

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 : 5488.116 MHz : -16.759 dBm M2 : 5533.407 MHz : 9.818 dBm Delta1 : 83.768 MHz : 1.963 dB T1 : 5491.723 MHz : 4.248 dBm T2 : 5568.277 MHz : 4.819 dBm OBW : 76.553 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 76.553 MHz

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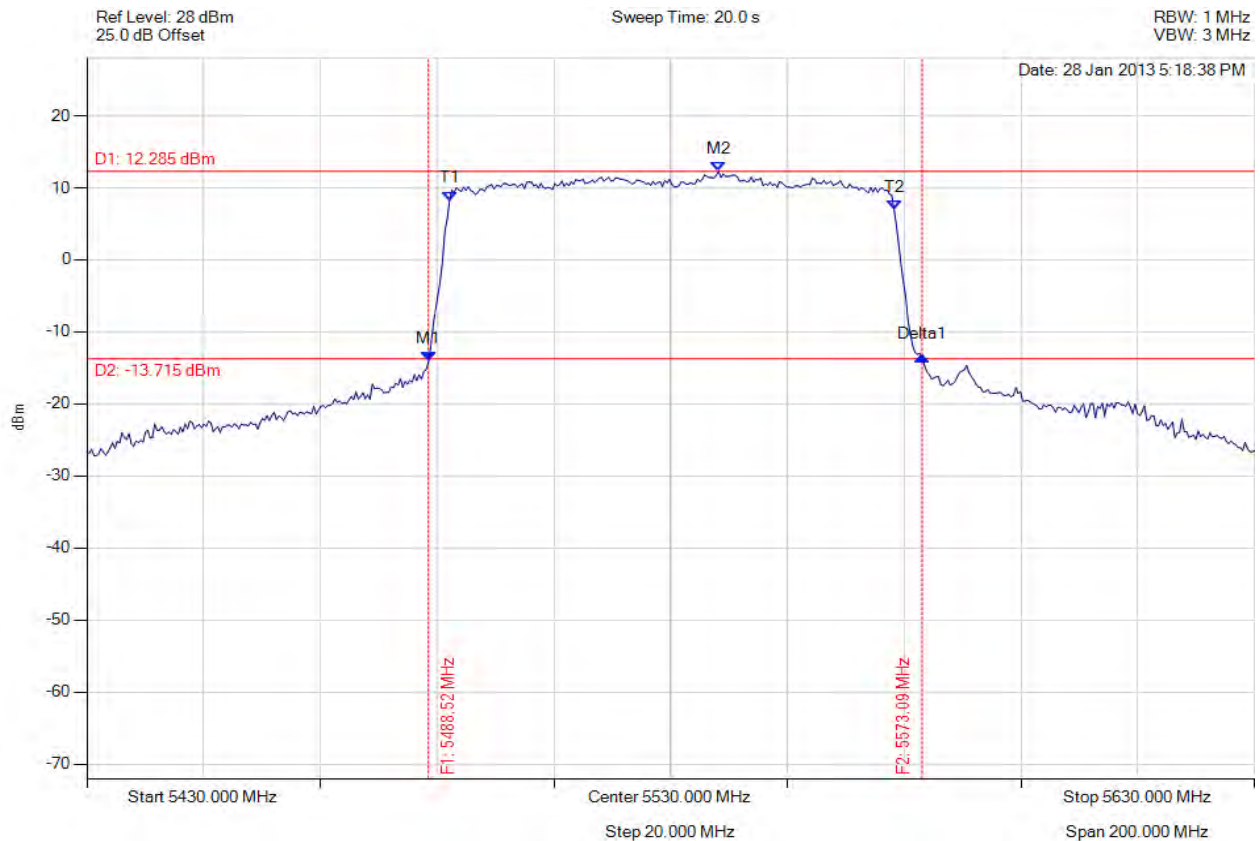


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5488.517 MHz : -14.115 dBm M2 : 5538.216 MHz : 12.285 dBm Delta1 : 84.569 MHz : 0.669 dB T1 : 5492.124 MHz : 8.220 dBm T2 : 5568.277 MHz : 6.987 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 84.569 MHz Measured 99% Bandwidth: 76.152 MHz

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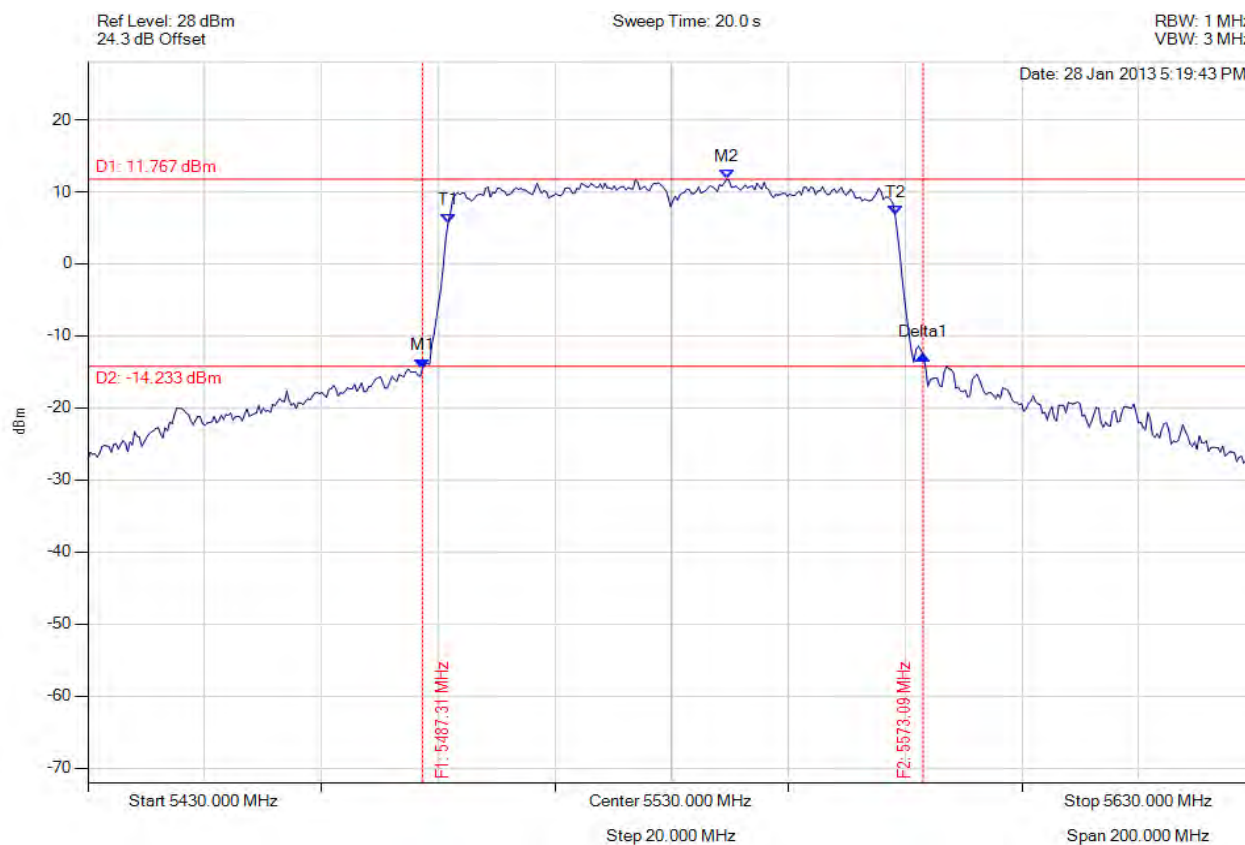


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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### 26 dB & 99% BANDWIDTH

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 : 5487.315 MHz : -14.467 dBm M2 : 5539.419 MHz : 11.767 dBm Delta1 : 85.772 MHz : 1.839 dB T1 : 5491.723 MHz : 5.716 dBm T2 : 5568.277 MHz : 6.808 dBm OBW : 76.553 MHz	Measured 26 dB Bandwidth: 85.772 MHz Measured 99% Bandwidth: 76.553 MHz

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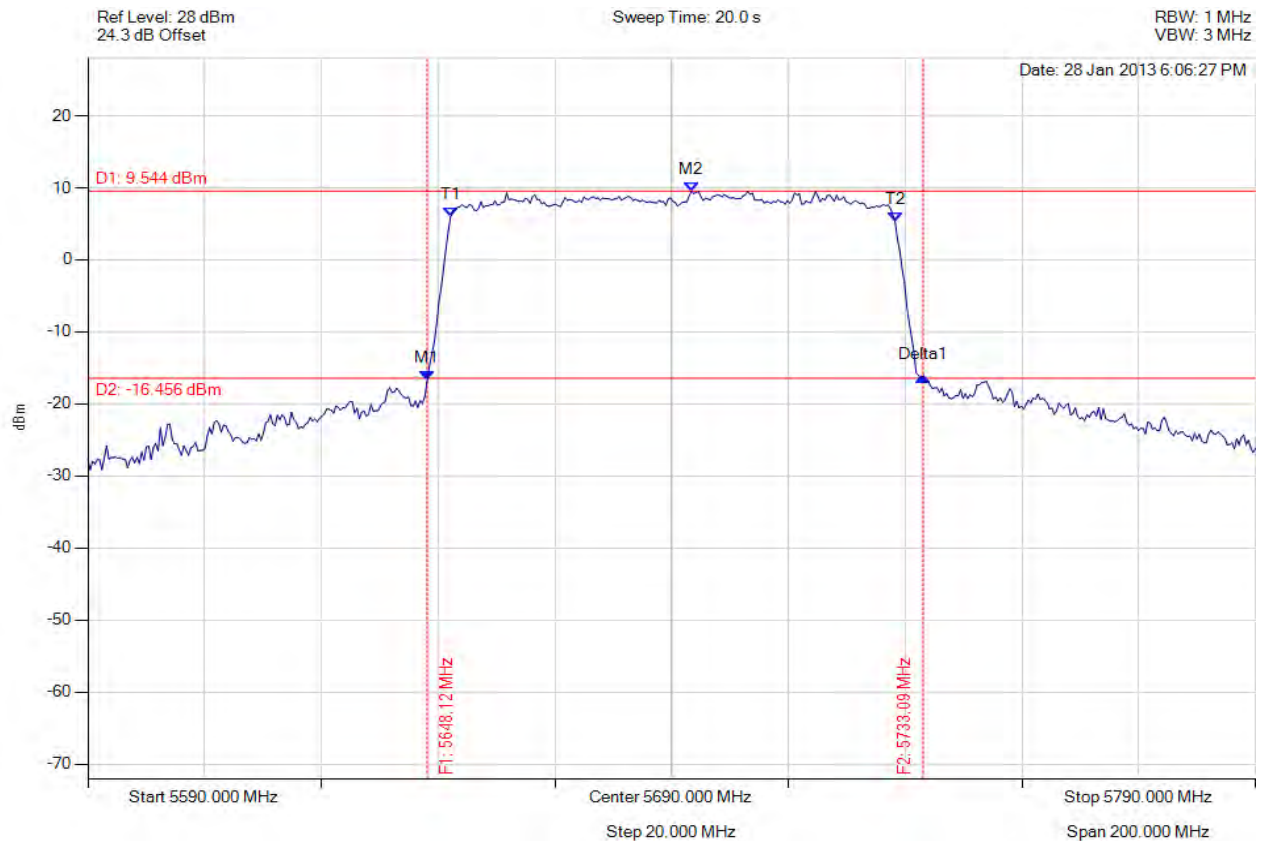


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5648.116 MHz : -16.789 dBm M2 : 5693.407 MHz : 9.544 dBm Delta1 : 84.970 MHz : 0.588 dB T1 : 5652.124 MHz : 5.987 dBm T2 : 5728.277 MHz : 5.293 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 84.970 MHz Measured 99% Bandwidth: 76.152 MHz

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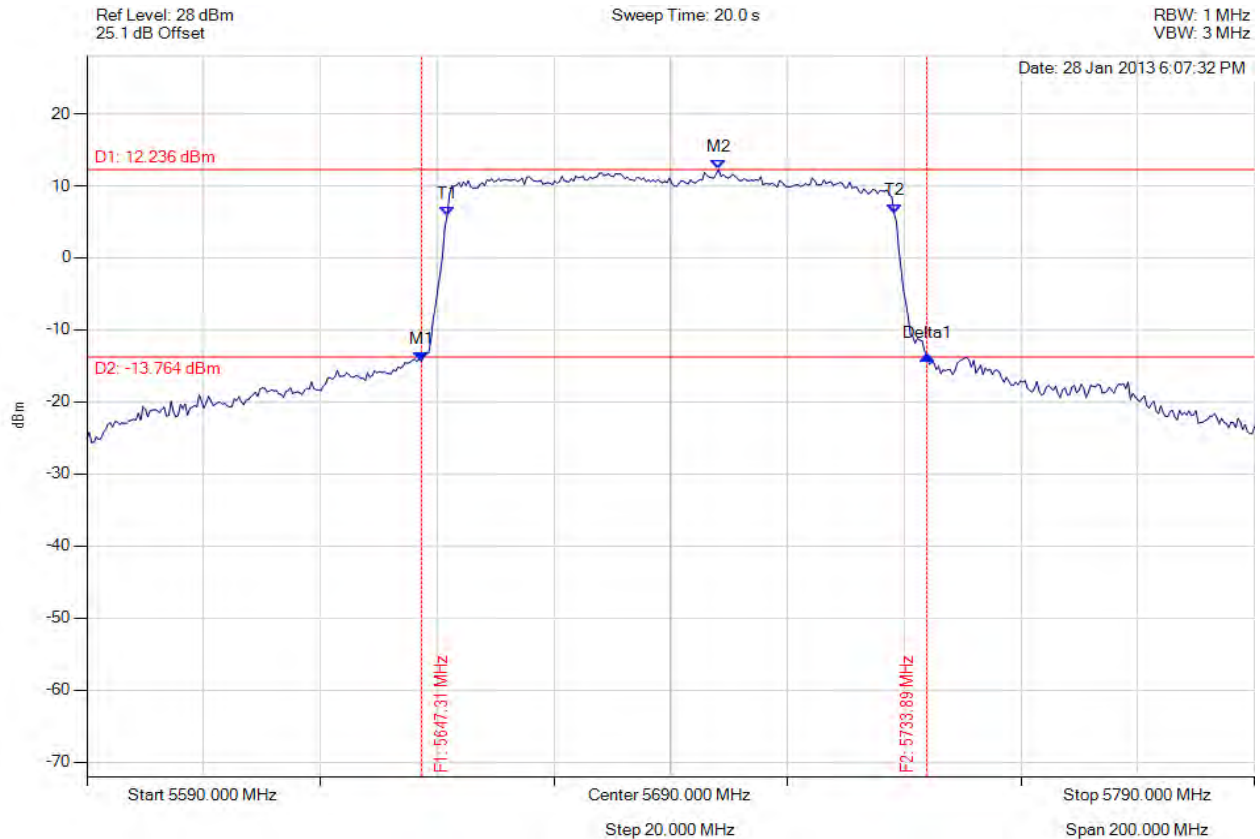


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5647.315 MHz : -14.357 dBm M2 : 5698.216 MHz : 12.236 dBm Delta1 : 86.573 MHz : 0.801 dB T1 : 5651.723 MHz : 5.789 dBm T2 : 5728.277 MHz : 6.219 dBm OBW : 76.553 MHz	Measured 26 dB Bandwidth: 86.573 MHz Measured 99% Bandwidth: 76.553 MHz

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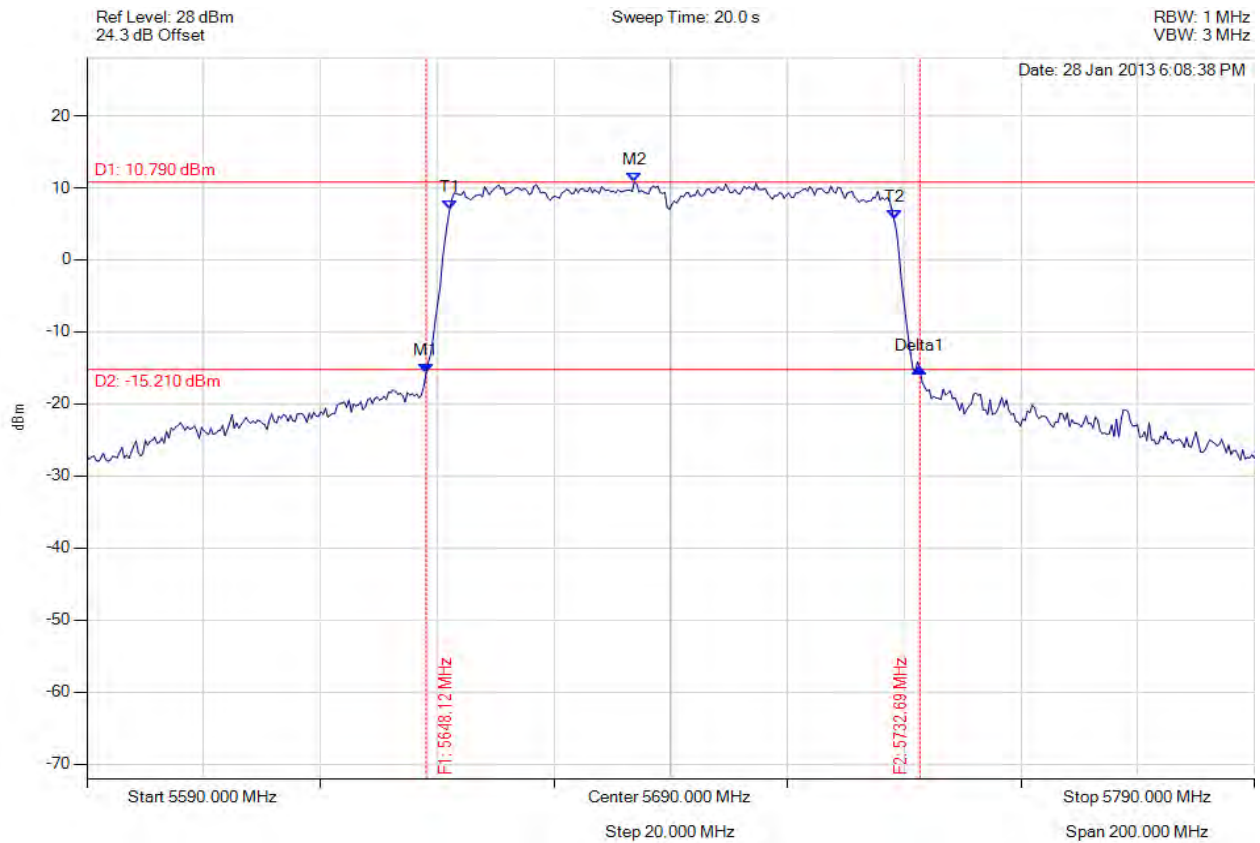


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# **26 dB & 99% BANDWIDTH**

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



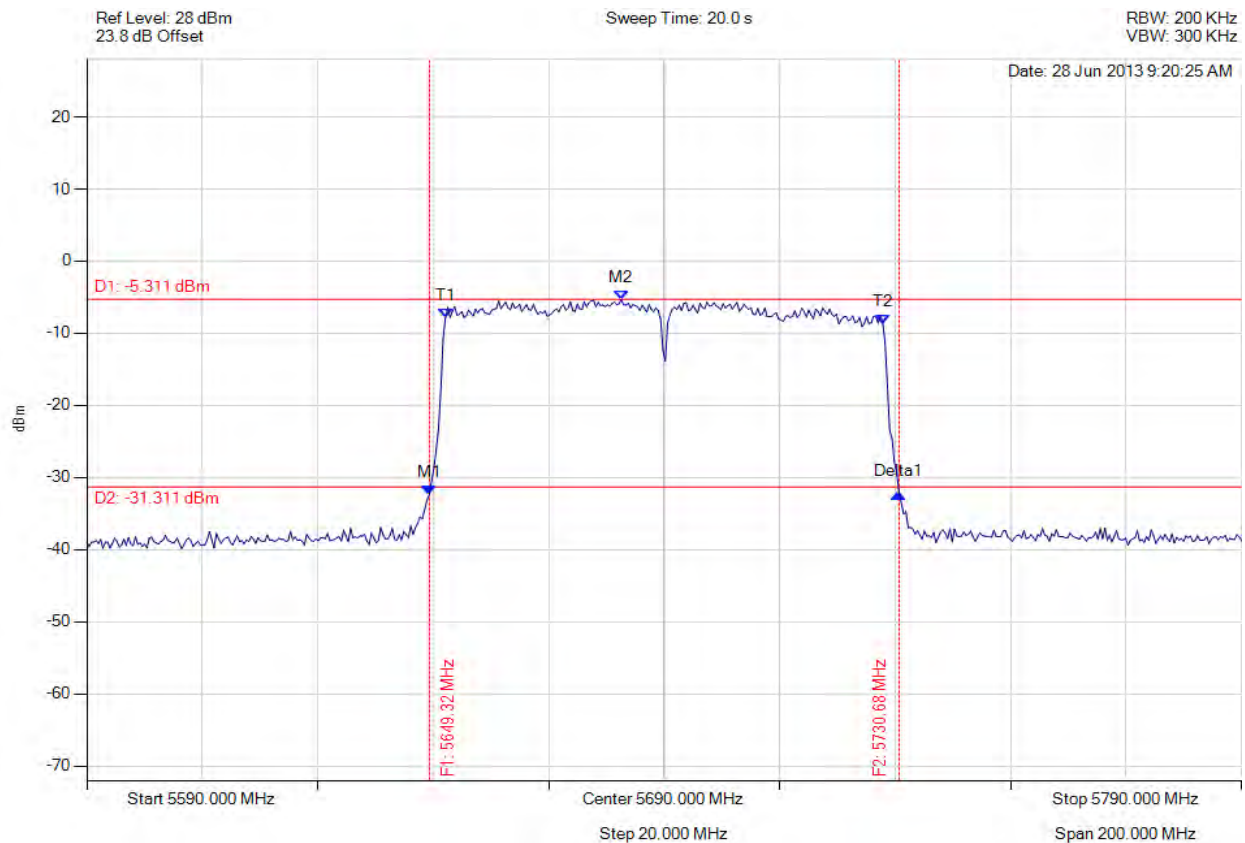
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5648.116 MHz : -15.738 dBm M2 : 5683.788 MHz : 10.790 dBm Delta1 : 84.569 MHz : 0.677 dB T1 : 5652.124 MHz : 6.930 dBm T2 : 5728.277 MHz : 5.568 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 84.569 MHz Measured 99% Bandwidth: 76.152 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 : 5649.319 MHz : -32.317 dBm M2 : 5682.585 MHz : -5.311 dBm Delta1 : 81.363 MHz : 0.120 dB T1 : 5652.124 MHz : -7.839 dBm T2 : 5727.876 MHz : -8.640 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 81.363 MHz Measured 99% Bandwidth: 75.752 MHz

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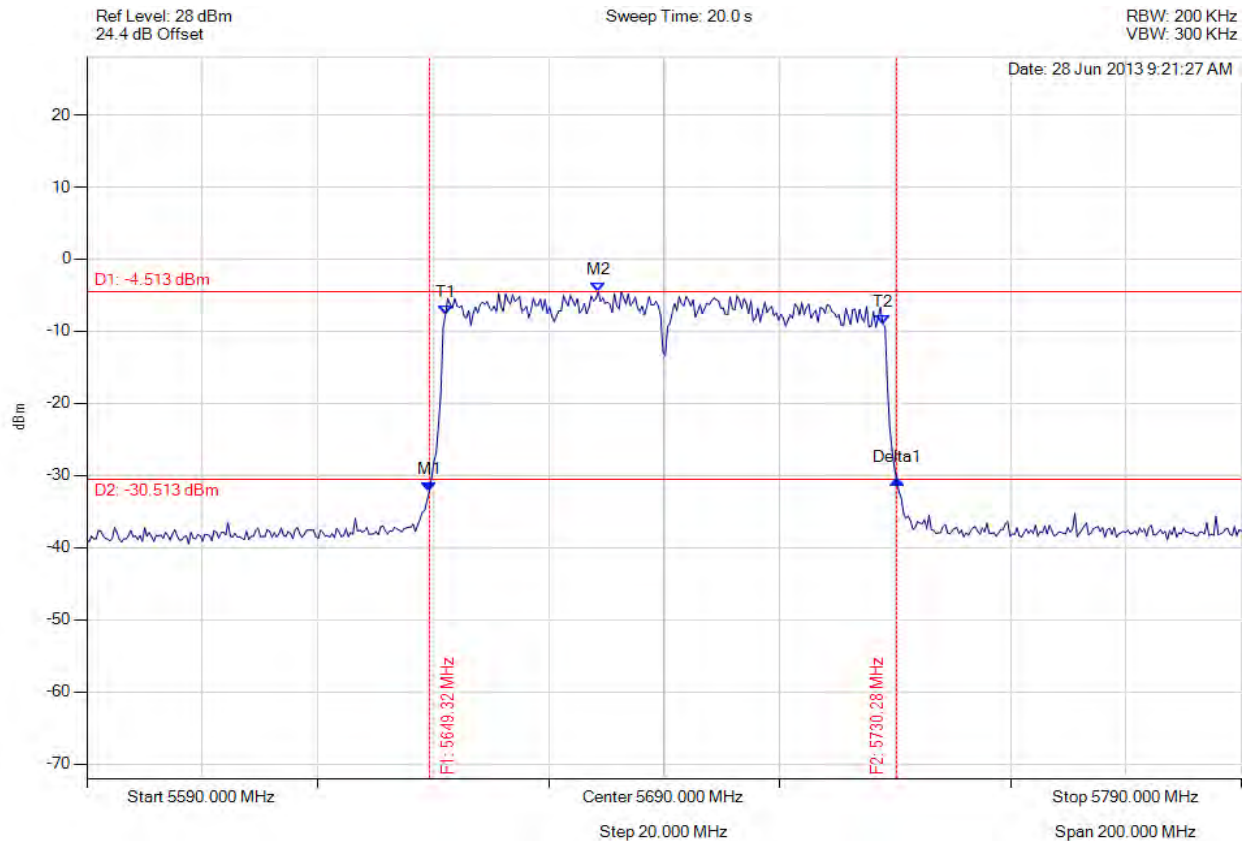


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5649.319 MHz : -32.187 dBm M2 : 5678.577 MHz : -4.513 dBm Delta1 : 80.962 MHz : 1.592 dB T1 : 5652.124 MHz : -7.639 dBm T2 : 5727.876 MHz : -9.020 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.962 MHz Measured 99% Bandwidth: 75.752 MHz

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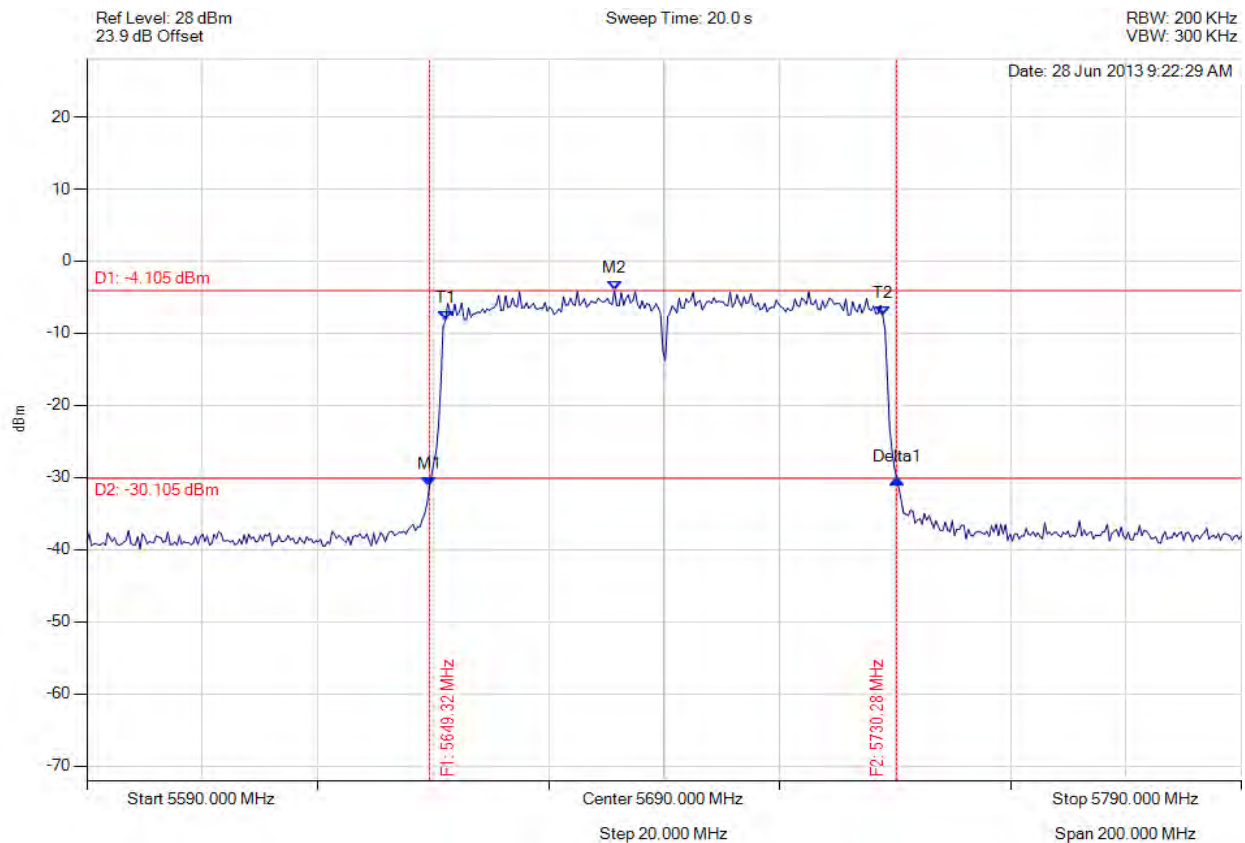


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### 26 dB & 99% BANDWIDTH

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 : 5649.319 MHz : -31.290 dBm M2 : 5681.383 MHz : -4.105 dBm Delta1 : 80.962 MHz : 1.021 dB T1 : 5652.124 MHz : -8.152 dBm T2 : 5727.876 MHz : -7.566 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 80.962 MHz Measured 99% Bandwidth: 75.752 MHz

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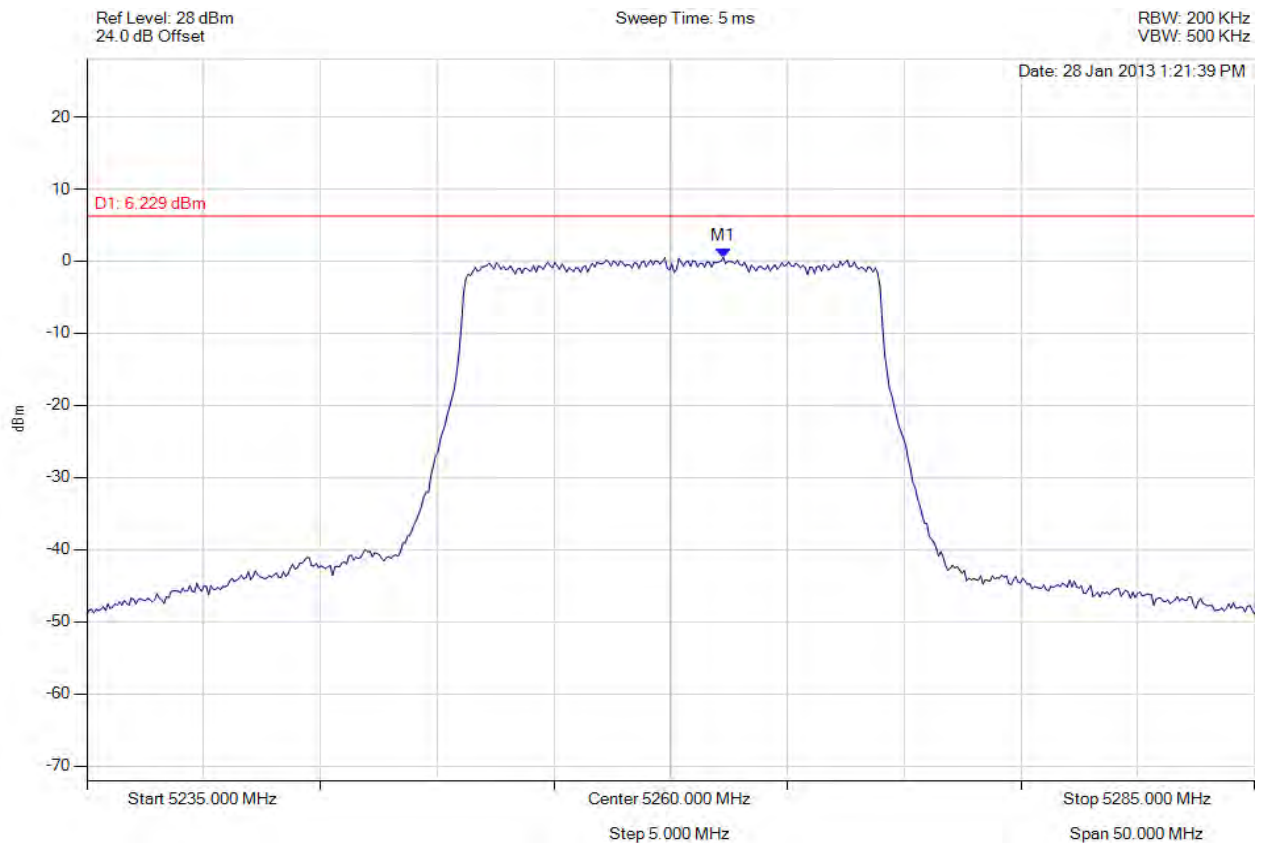
**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### A.1.2. Peak Power Spectral Density



#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5262.255 MHz : 0.515 dBm	Limit: $\leq 6.229$ dBm Margin: -5.71 dB

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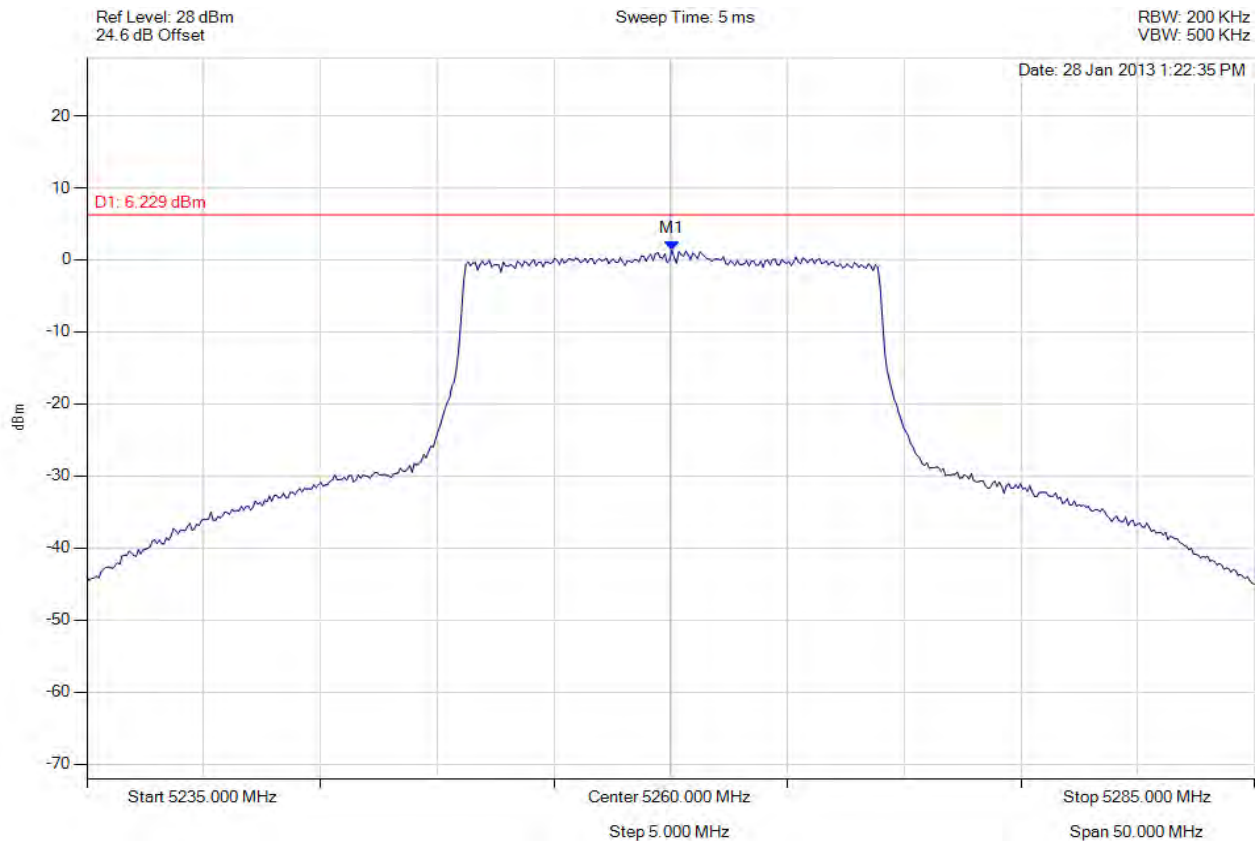


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5260.050 MHz : 1.370 dBm	Limit: $\leq 6.229$ dBm Margin: -4.86 dB

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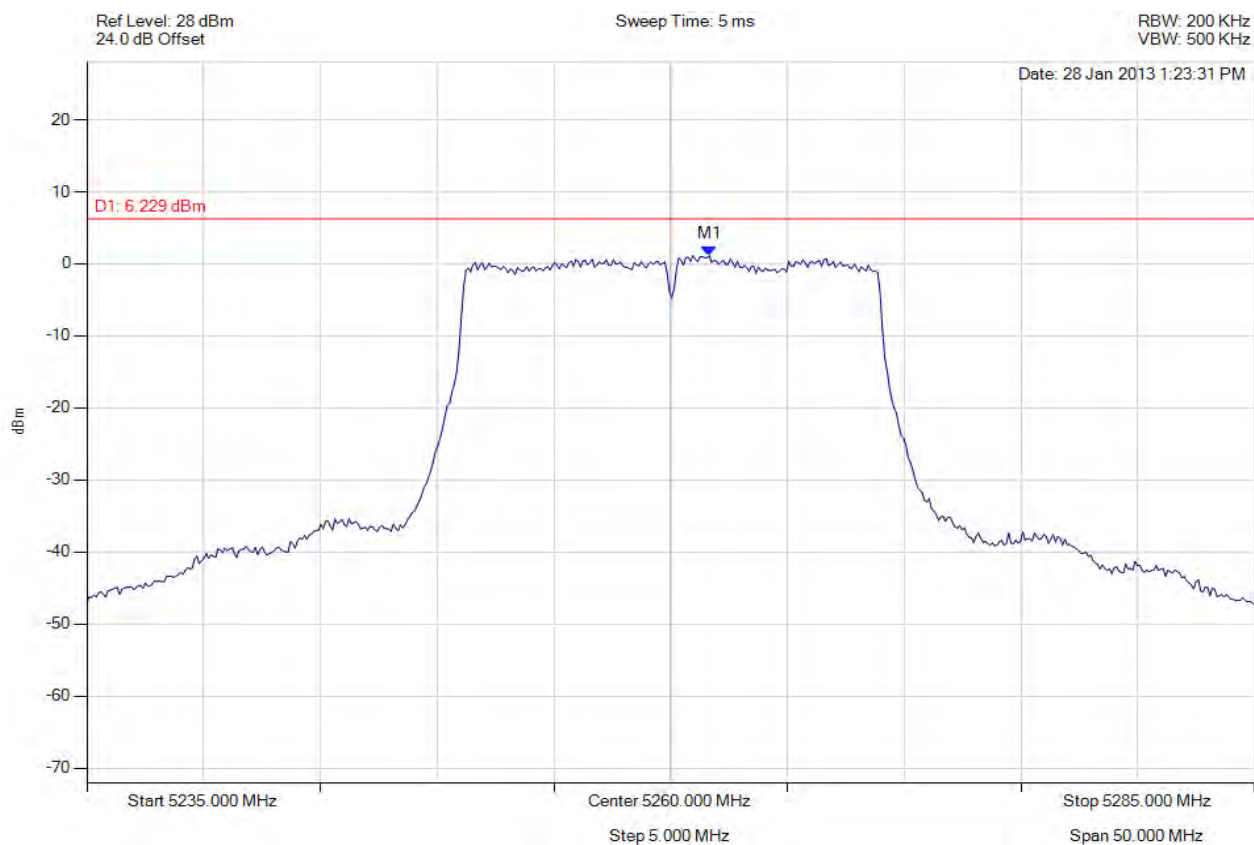


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5261.653 MHz : 1.137 dBm	Limit: $\leq 6.229$ dBm Margin: -5.09 dB

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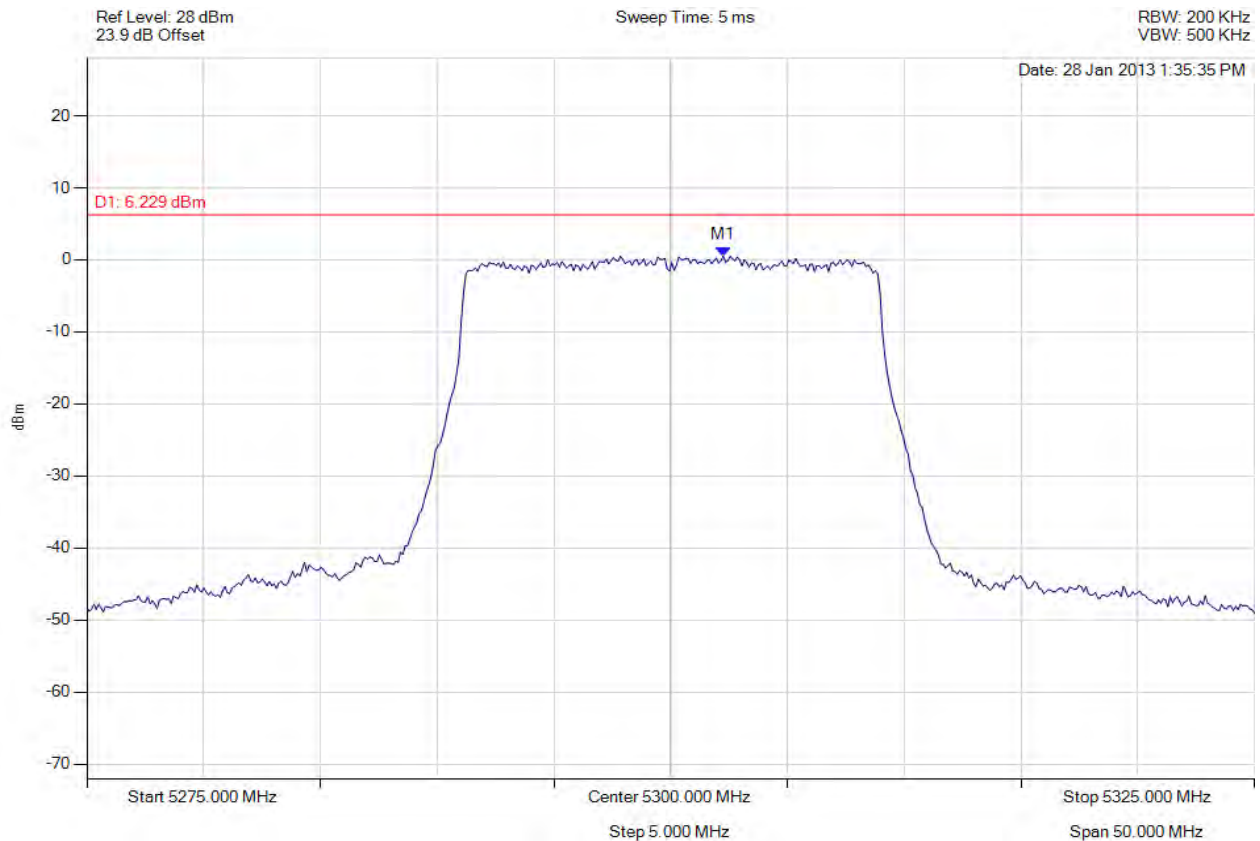


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5302.255 MHz : 0.510 dBm	Limit: $\leq 6.229$ dBm Margin: -5.72 dB

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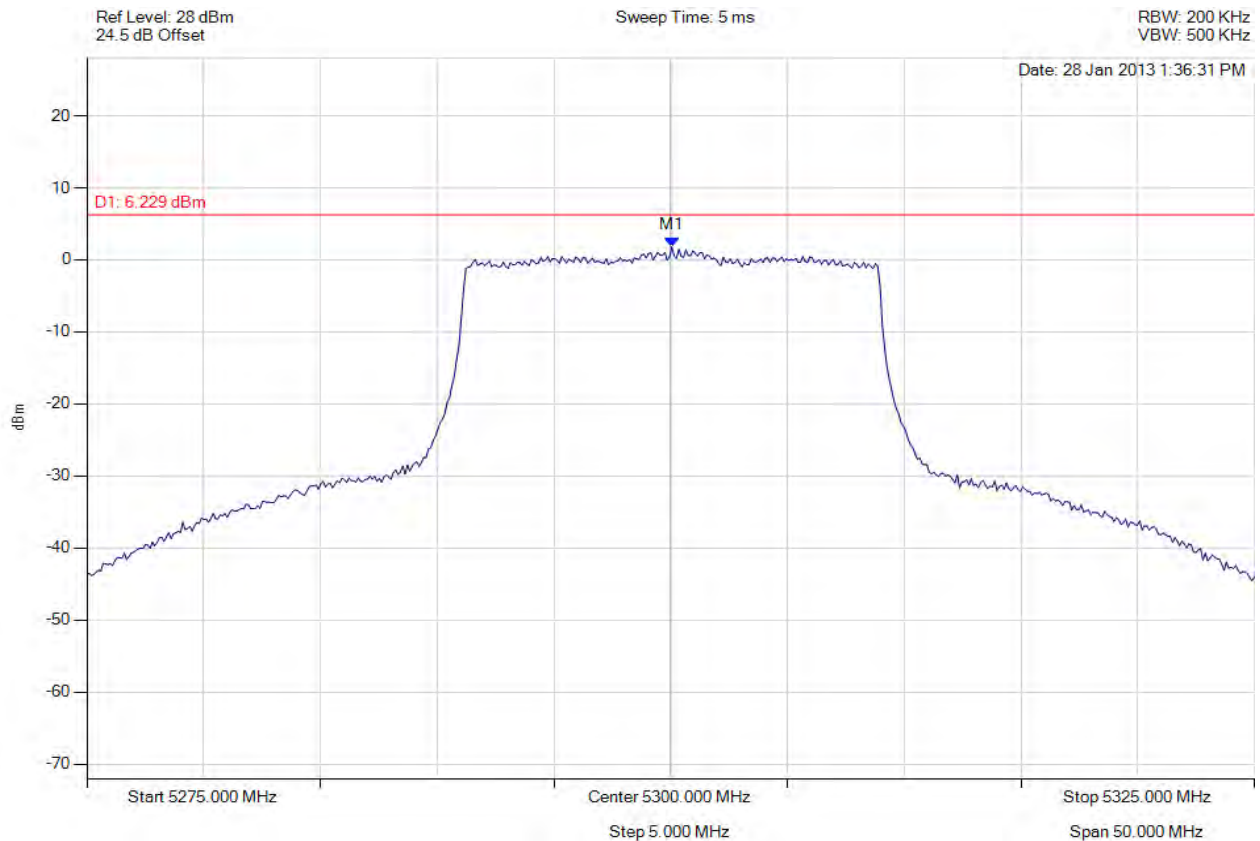


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5300.050 MHz : 1.781 dBm	Limit: $\leq 6.229$ dBm Margin: -4.45 dB

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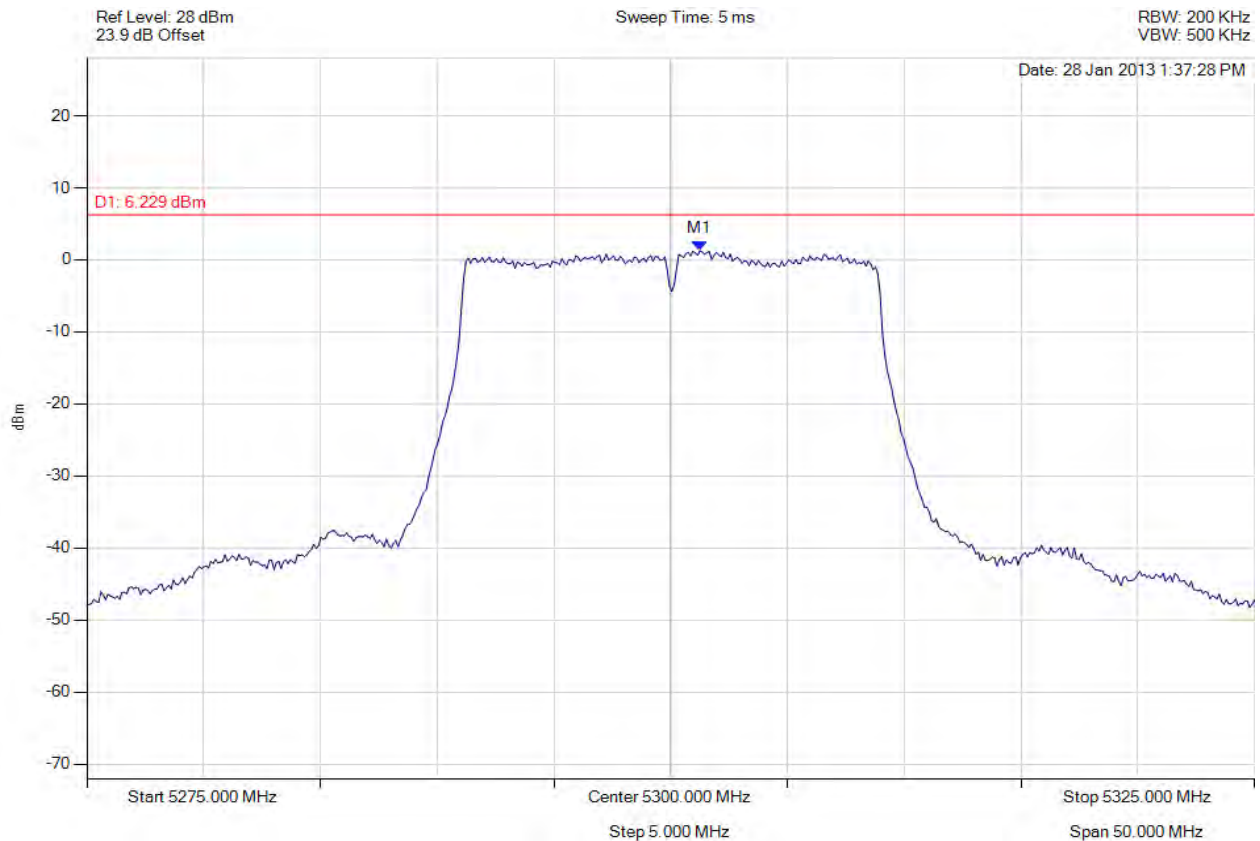


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5301.253 MHz : 1.257 dBm	Limit: $\leq 6.229$ dBm Margin: -4.97 dB

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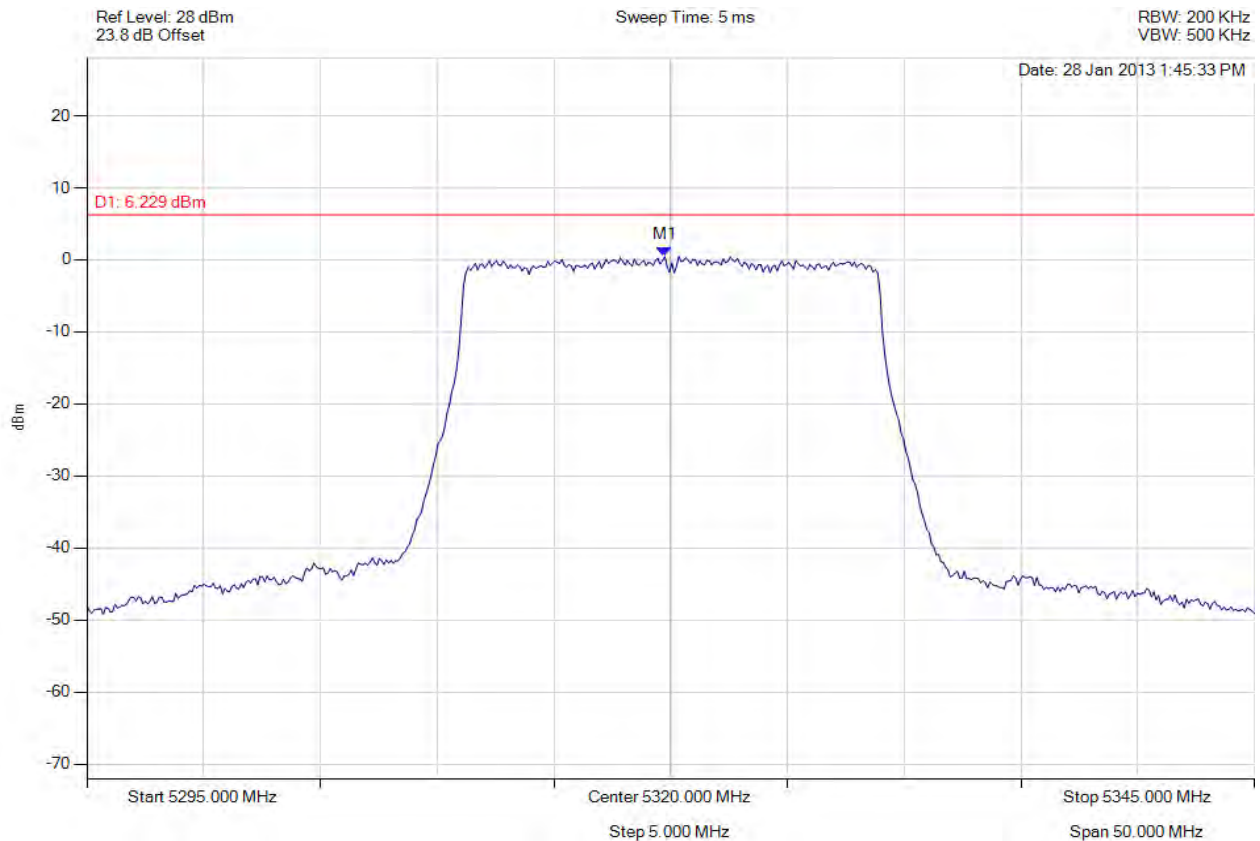


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5319.749 MHz : 0.482 dBm	Limit: $\leq 6.229$ dBm Margin: -5.75 dB

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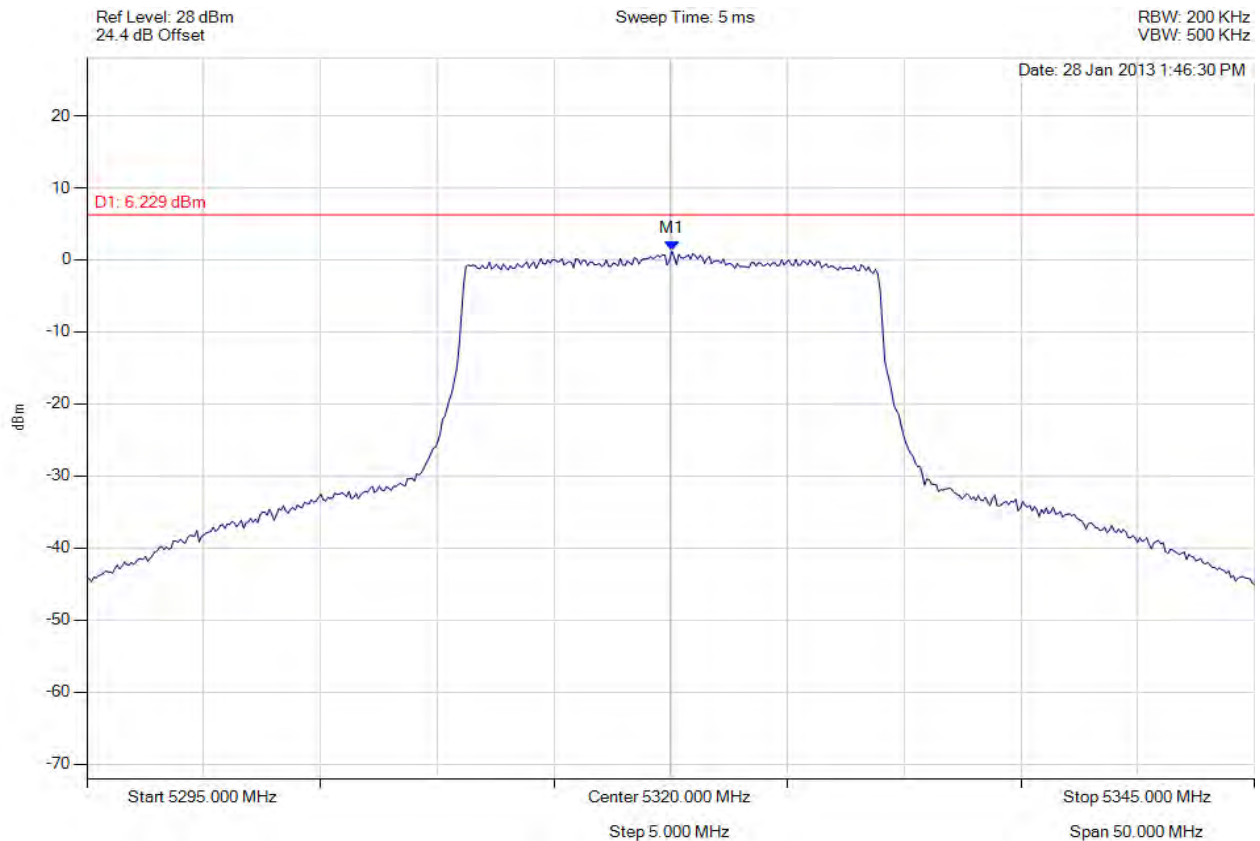


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5320.050 MHz : 1.227 dBm	Limit: $\leq 6.229$ dBm Margin: -5.00 dB

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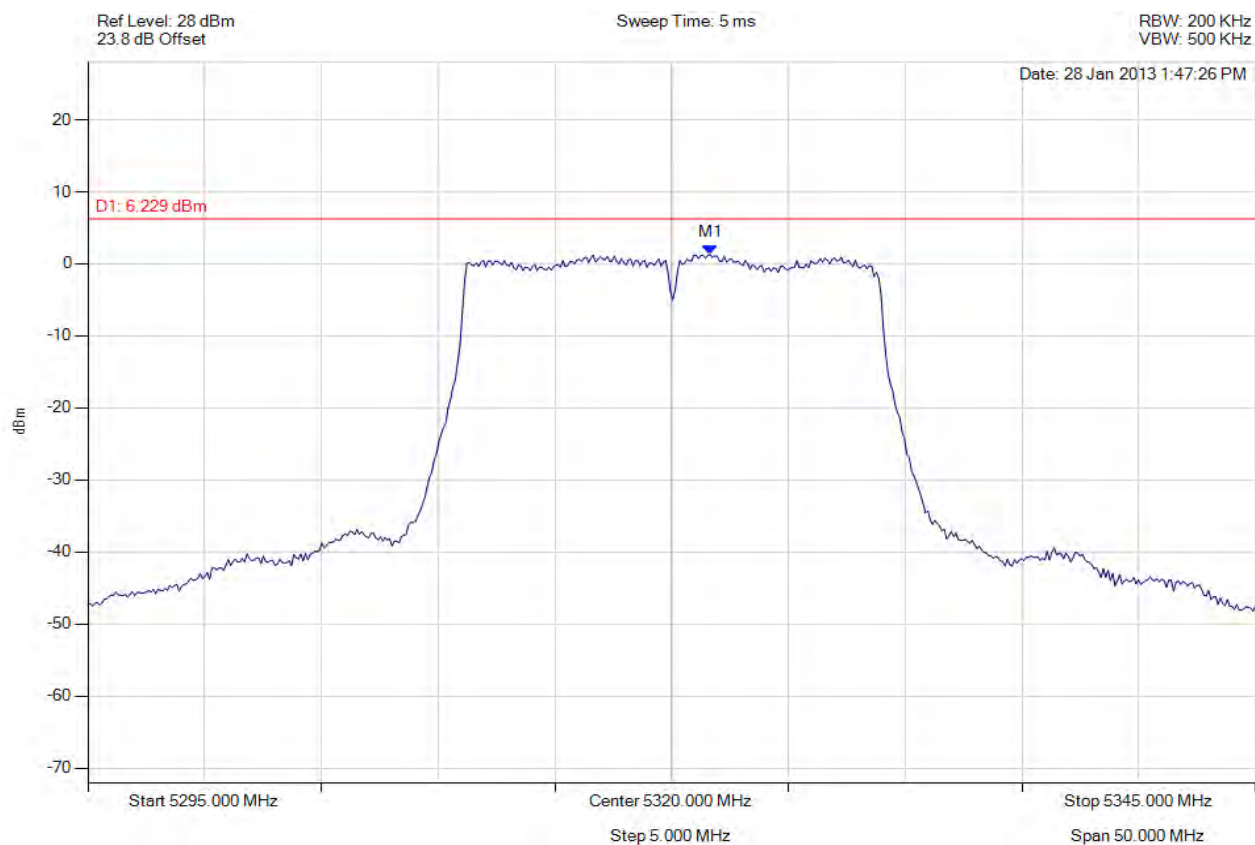


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5321.653 MHz : 1.266 dBm	Limit: $\leq 6.229$ dBm Margin: -4.96 dB

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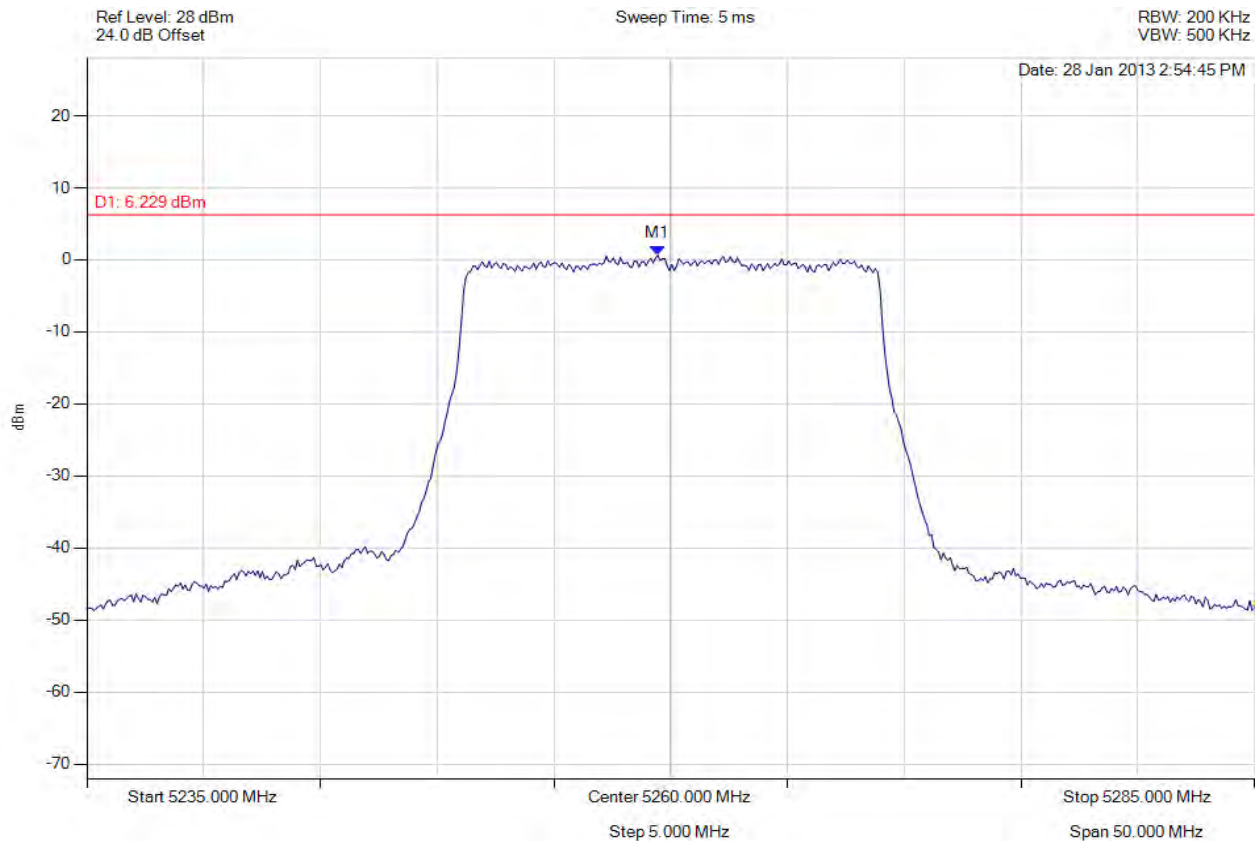


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5259.449 MHz : 0.628 dBm	Limit: $\leq 6.229$ dBm Margin: -5.60 dB

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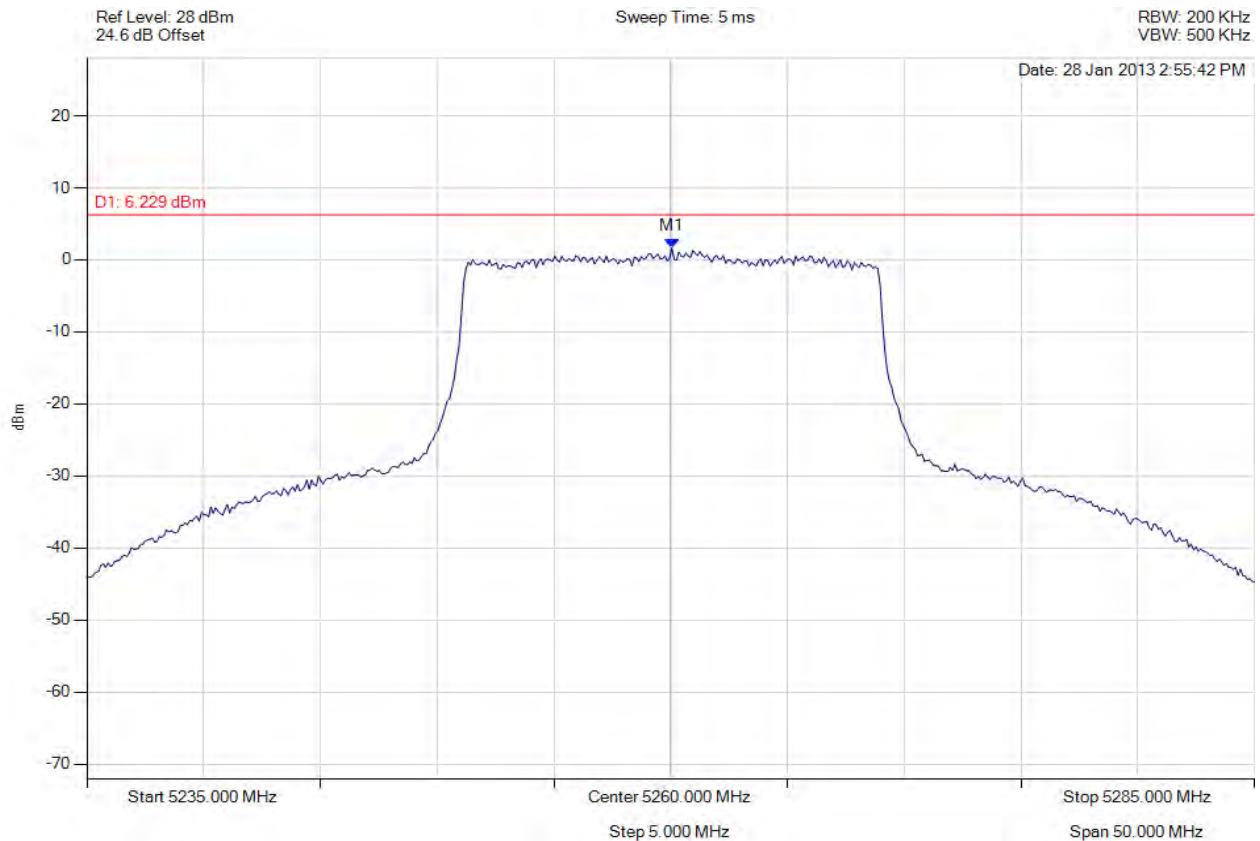


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5260.050 MHz : 1.635 dBm	Limit: $\leq 6.229$ dBm Margin: -4.59 dB

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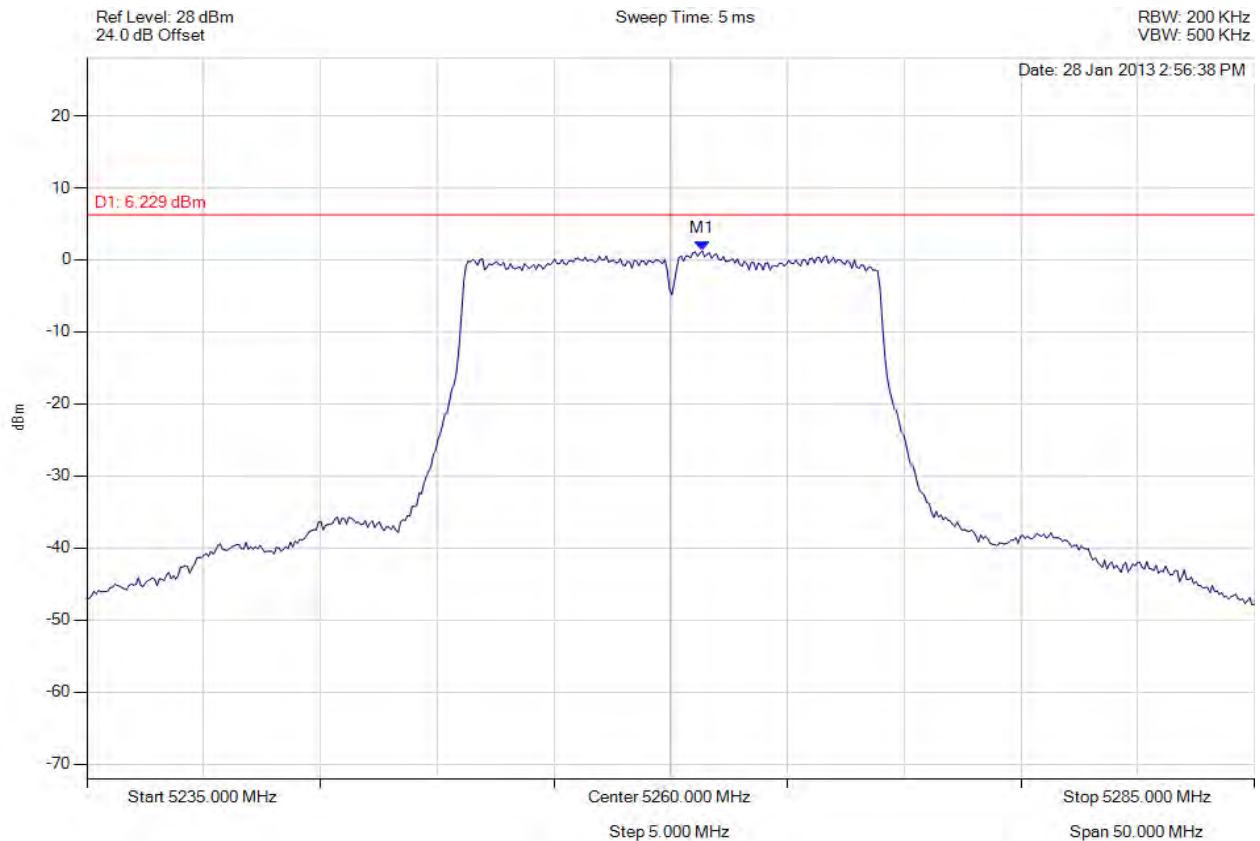


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5261.353 MHz : 1.259 dBm	Limit: $\leq 6.229$ dBm Margin: -4.97 dB

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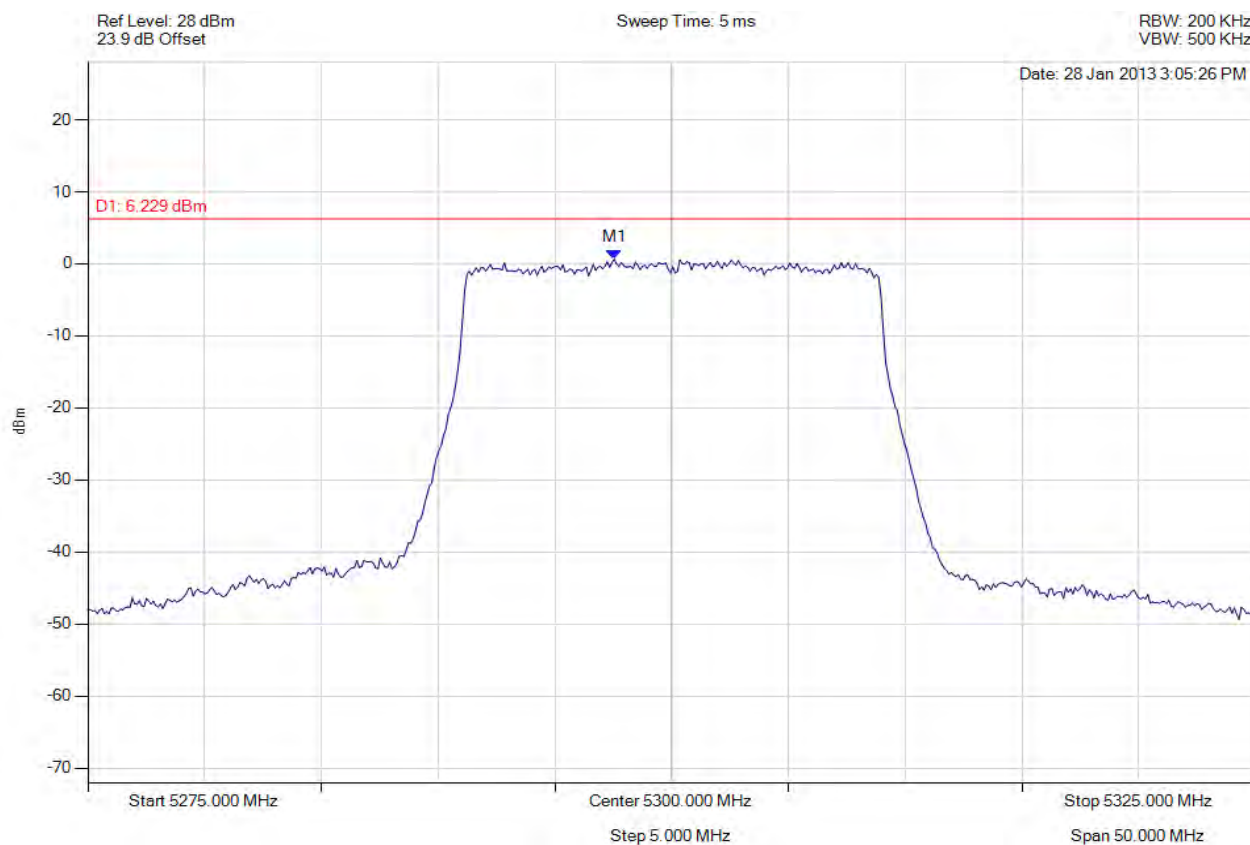


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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.545 MHz : 0.638 dBm	Limit: $\leq 6.229$ dBm Margin: -5.59 dB

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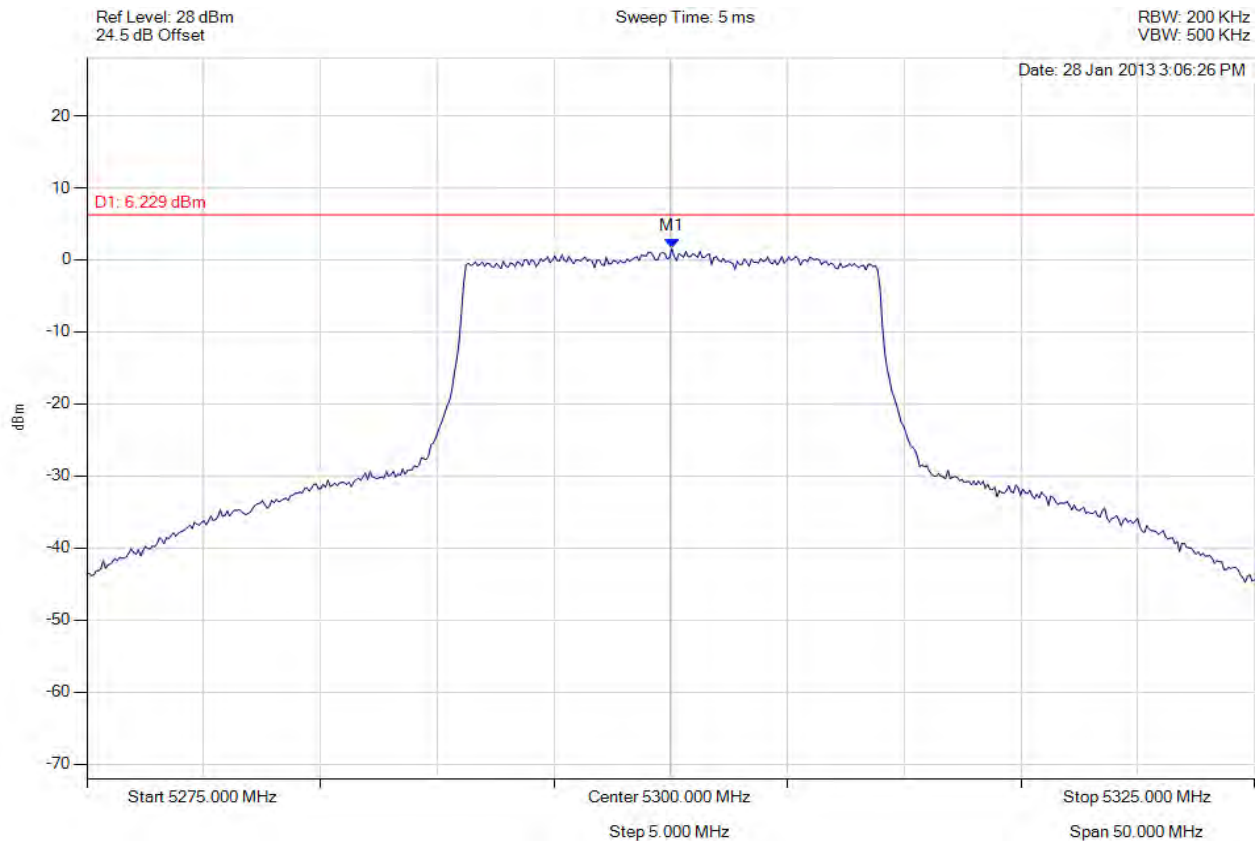


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5300.050 MHz : 1.571 dBm	Limit: $\leq 6.229$ dBm Margin: -4.66 dB

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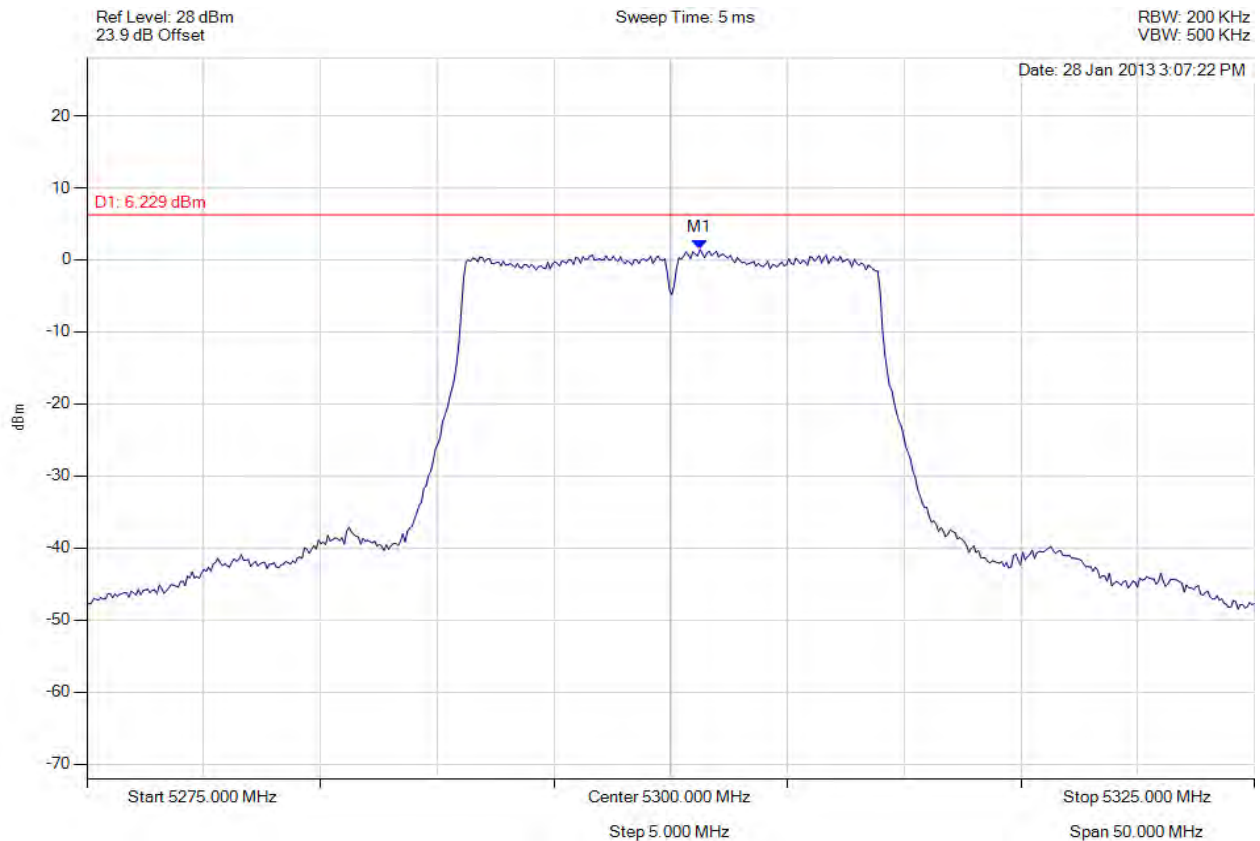


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5301.253 MHz : 1.422 dBm	Limit: $\leq 6.229$ dBm Margin: -4.81 dB

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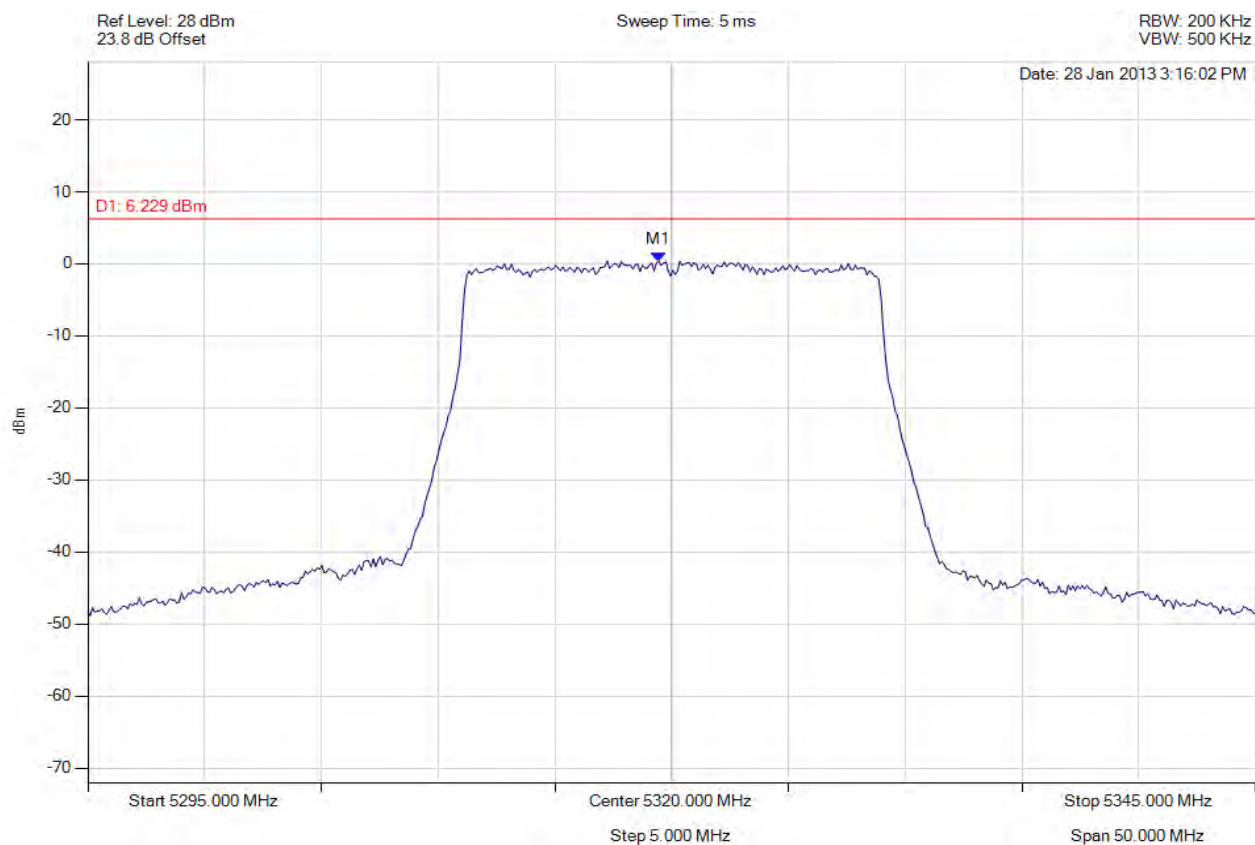


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5319.449 MHz : 0.371 dBm	Limit: $\leq 6.229$ dBm Margin: -5.86 dB

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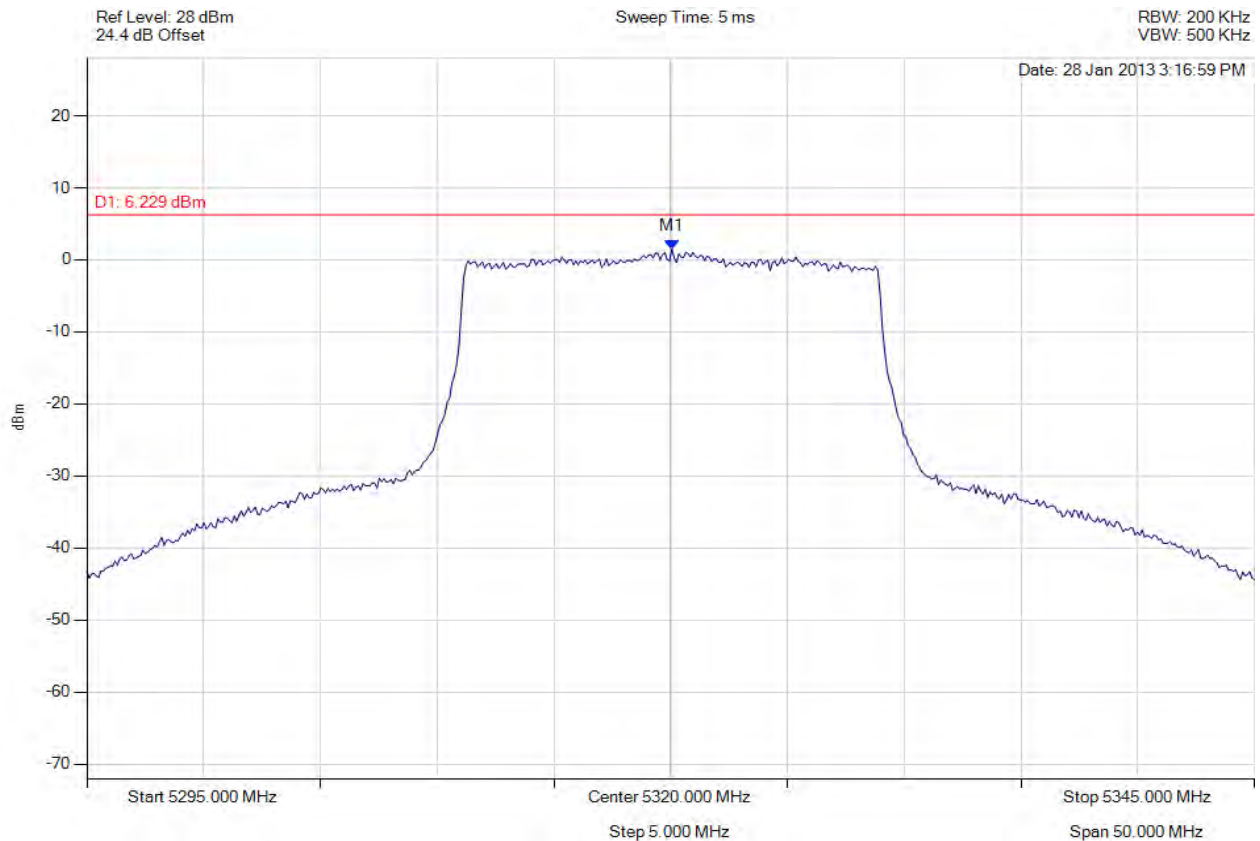


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5320.050 MHz : 1.543 dBm	Limit: $\leq 6.229$ dBm Margin: -4.69 dB

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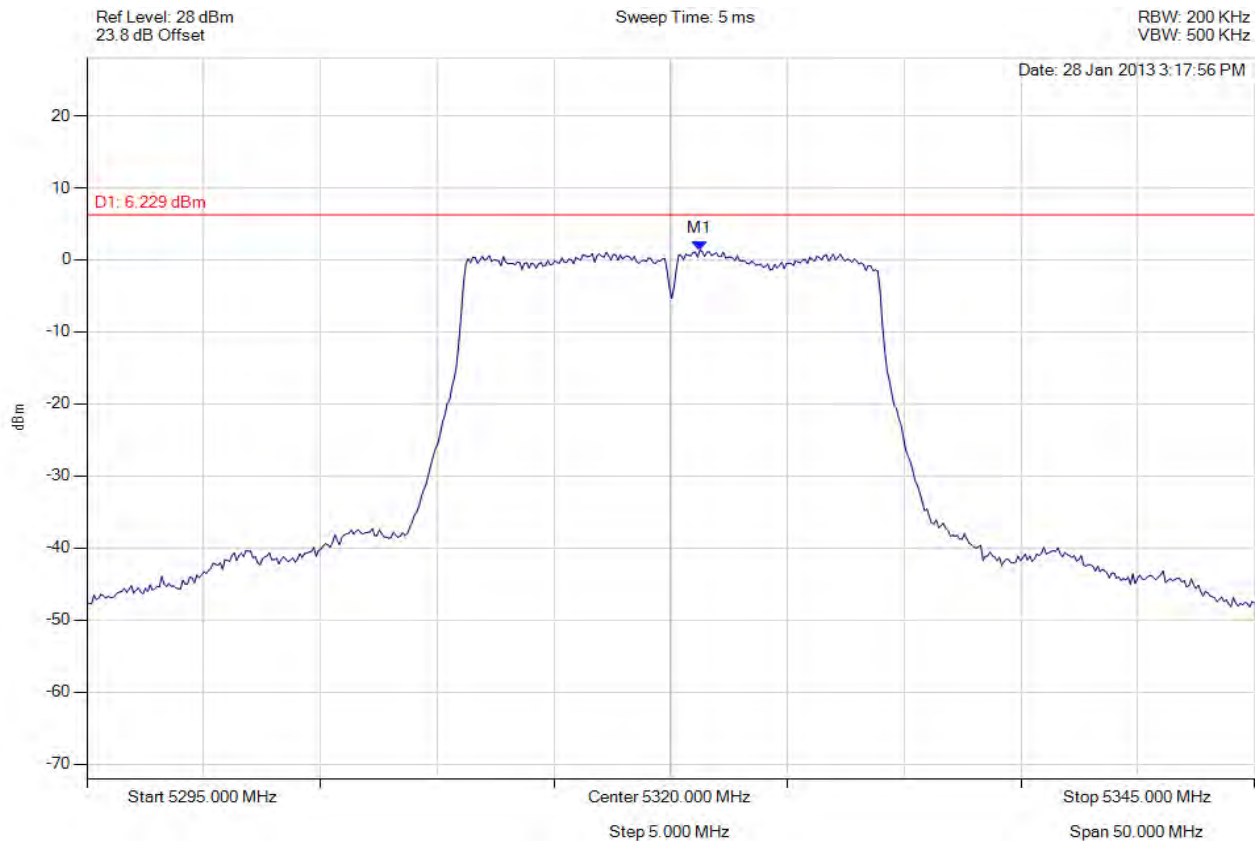


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5321.253 MHz : 1.345 dBm	Limit: $\leq 6.229$ dBm Margin: -4.88 dB

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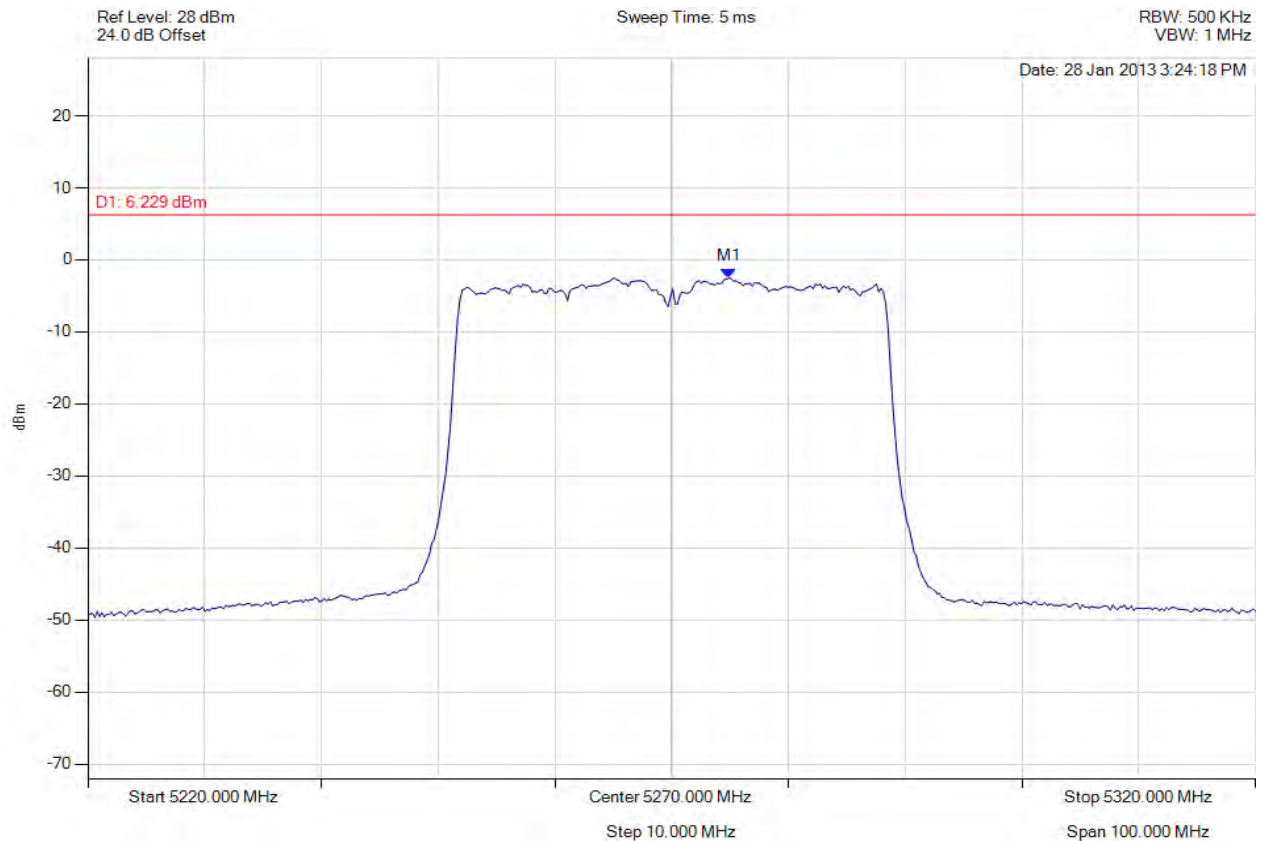


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5274.910 MHz : -2.503 dBm	Limit: $\leq 6.229$ dBm Margin: -8.73 dB

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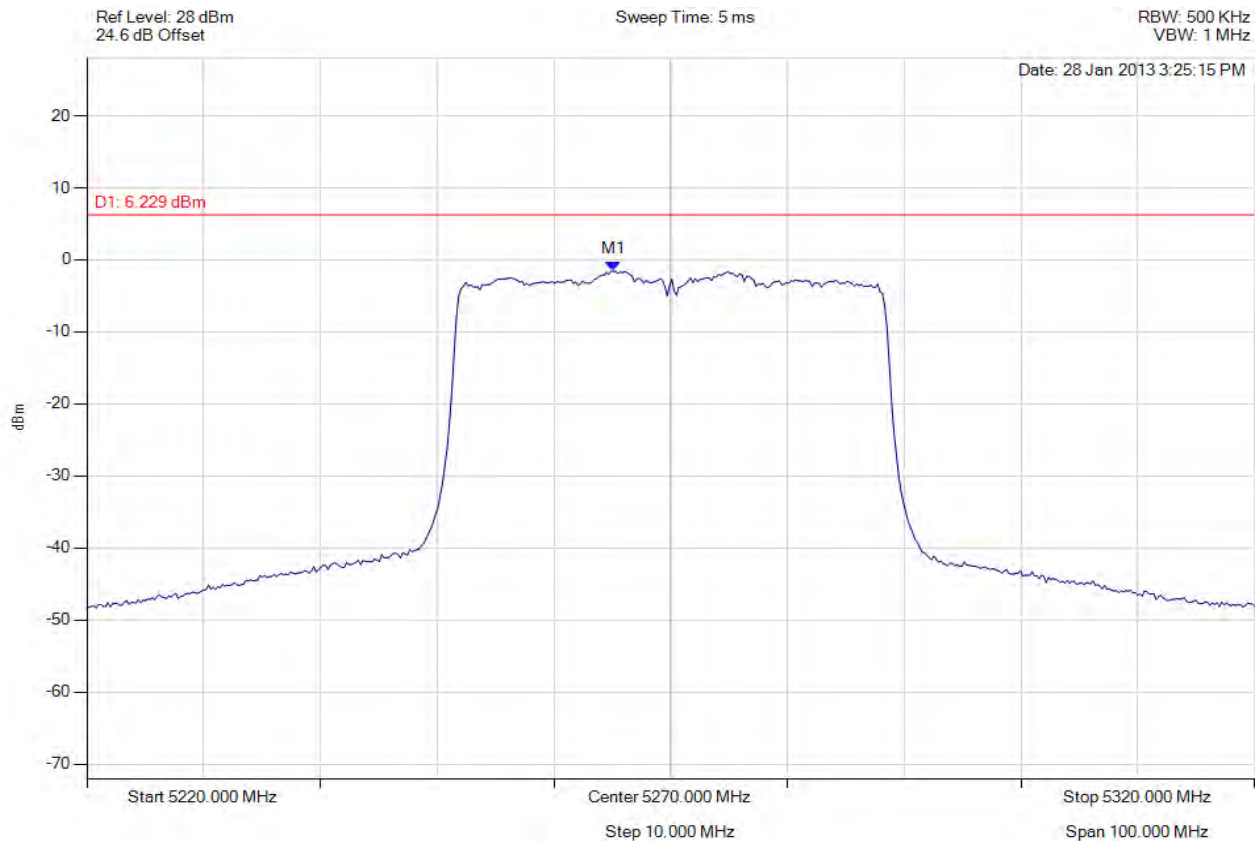


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.090 MHz : -1.589 dBm	Limit: $\leq 6.229$ dBm Margin: -7.82 dB

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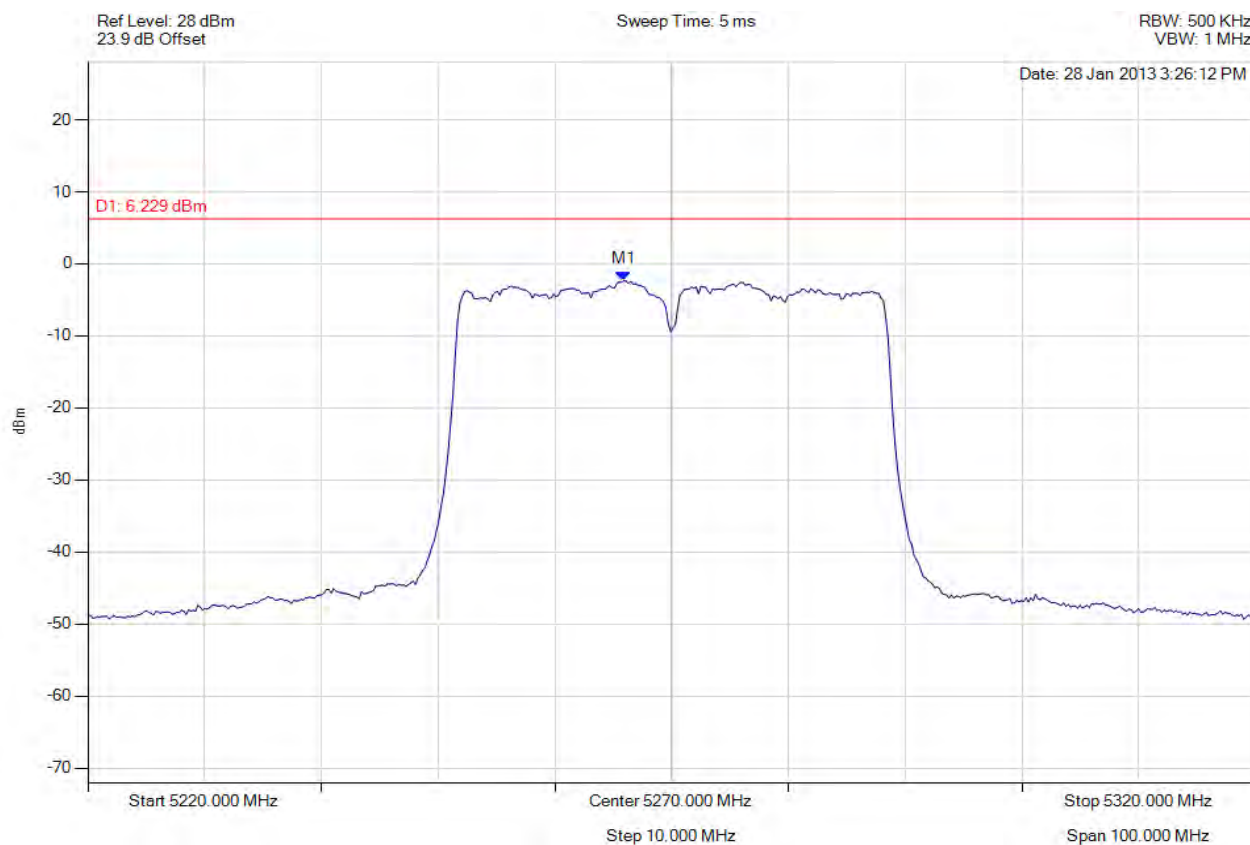


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.892 MHz : -2.353 dBm	Limit: $\leq 6.229$ dBm Margin: -8.58 dB

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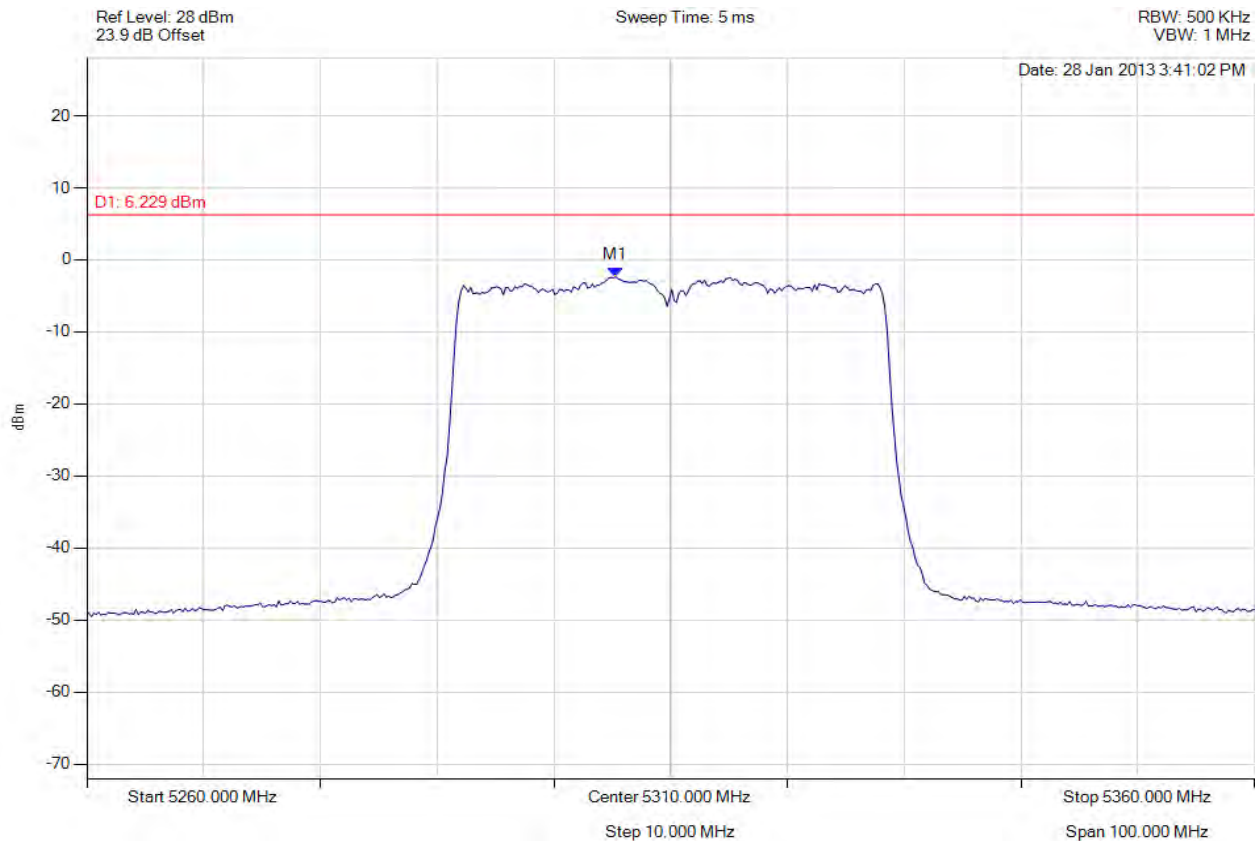


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.291 MHz : -2.377 dBm	Limit: $\leq 6.229$ dBm Margin: -8.61 dB

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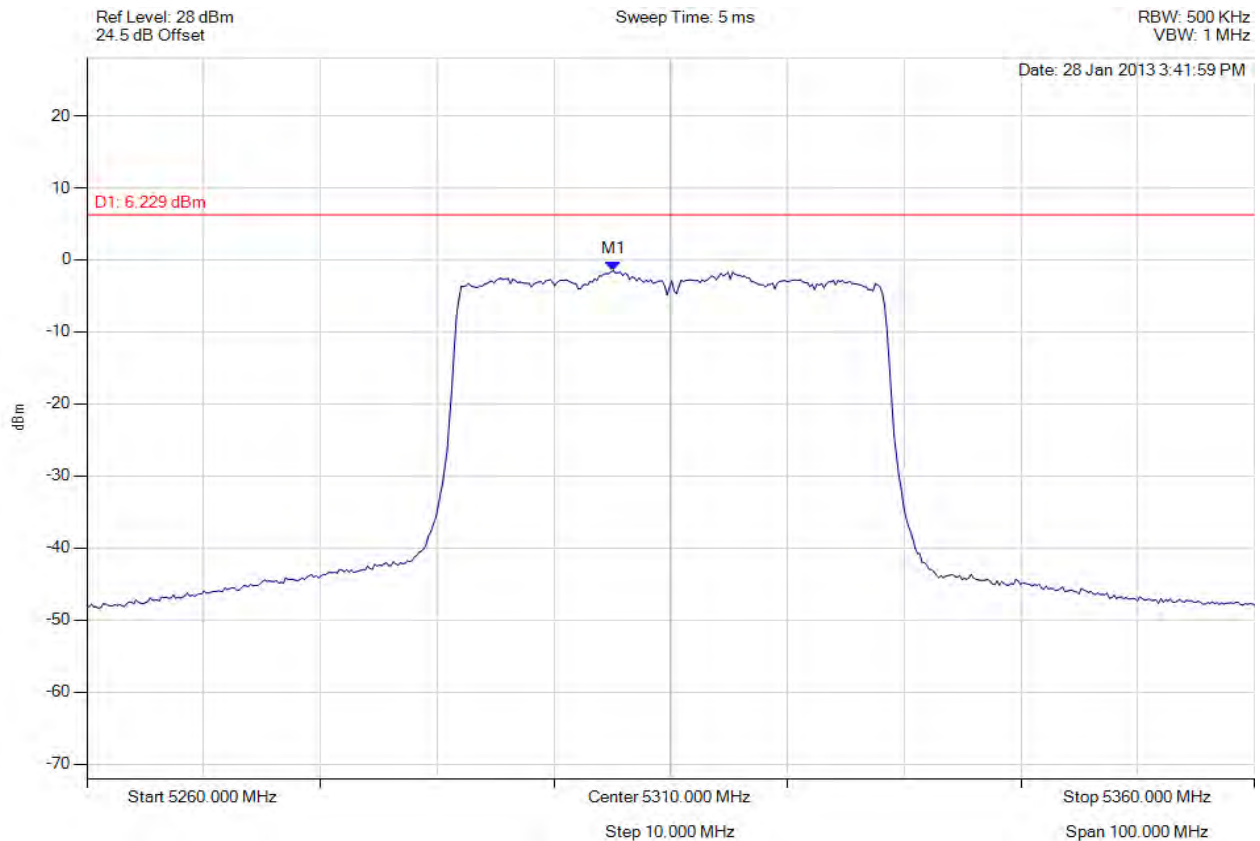


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.090 MHz : -1.540 dBm	Limit: $\leq 6.229$ dBm Margin: -7.77 dB

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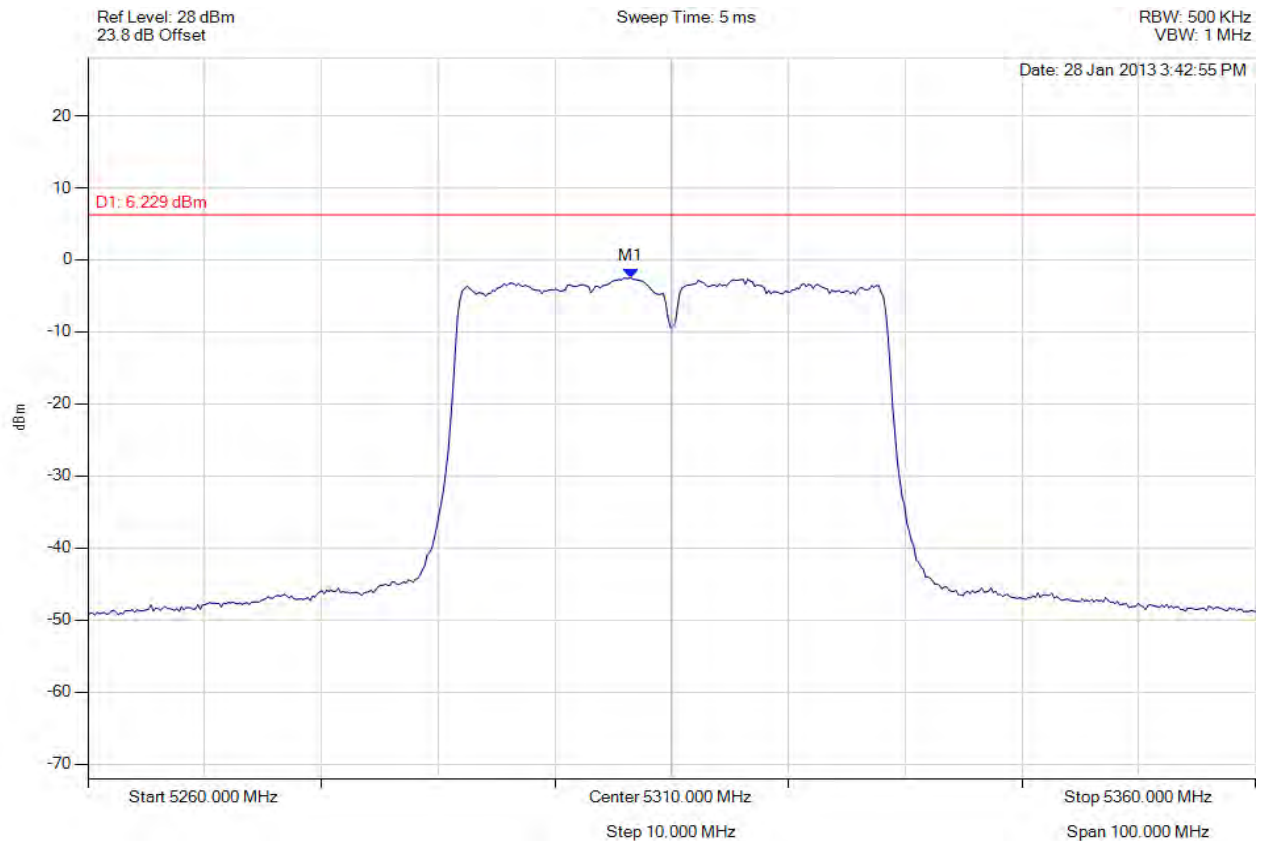


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.493 MHz : -2.517 dBm	Limit: $\leq 6.229$ dBm Margin: -8.75 dB

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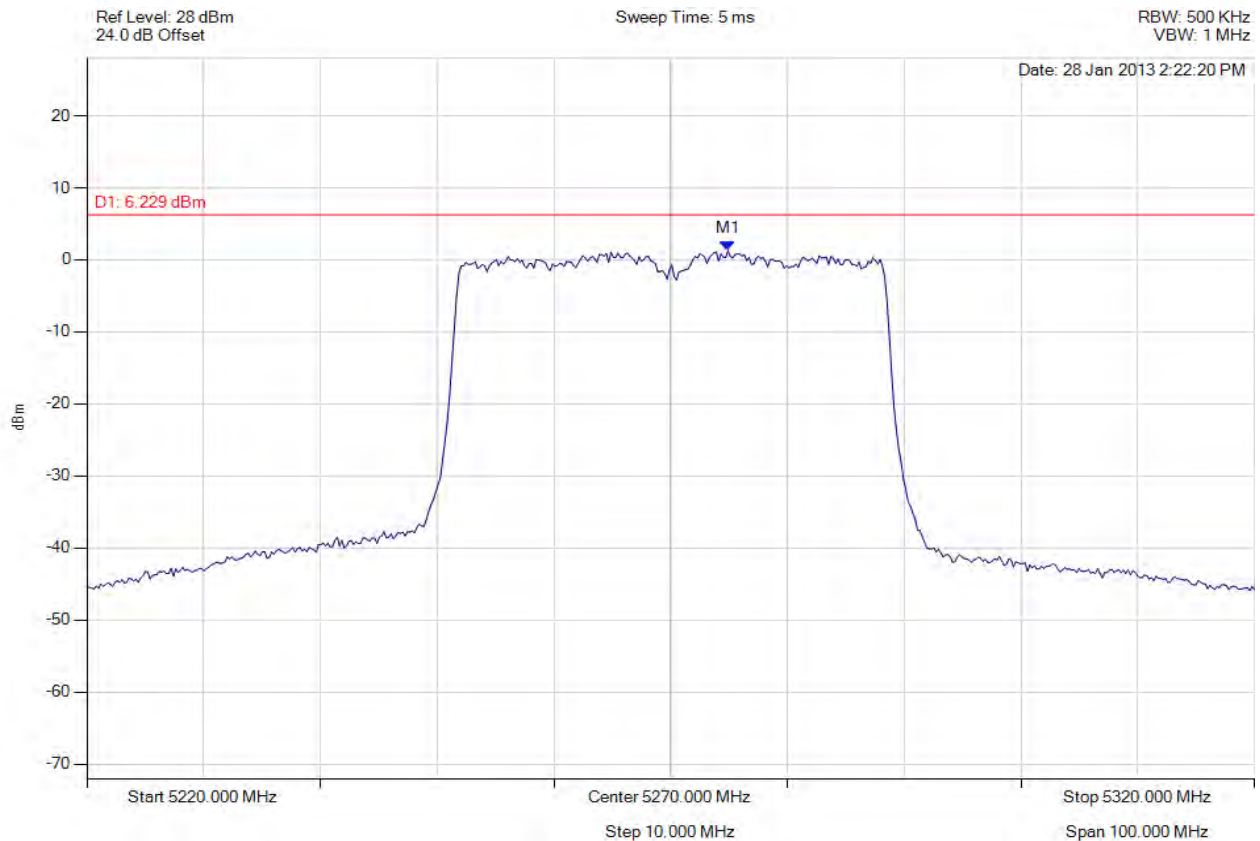


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5274.910 MHz : 1.300 dBm	Limit: $\leq 6.229$ dBm Margin: -4.93 dB

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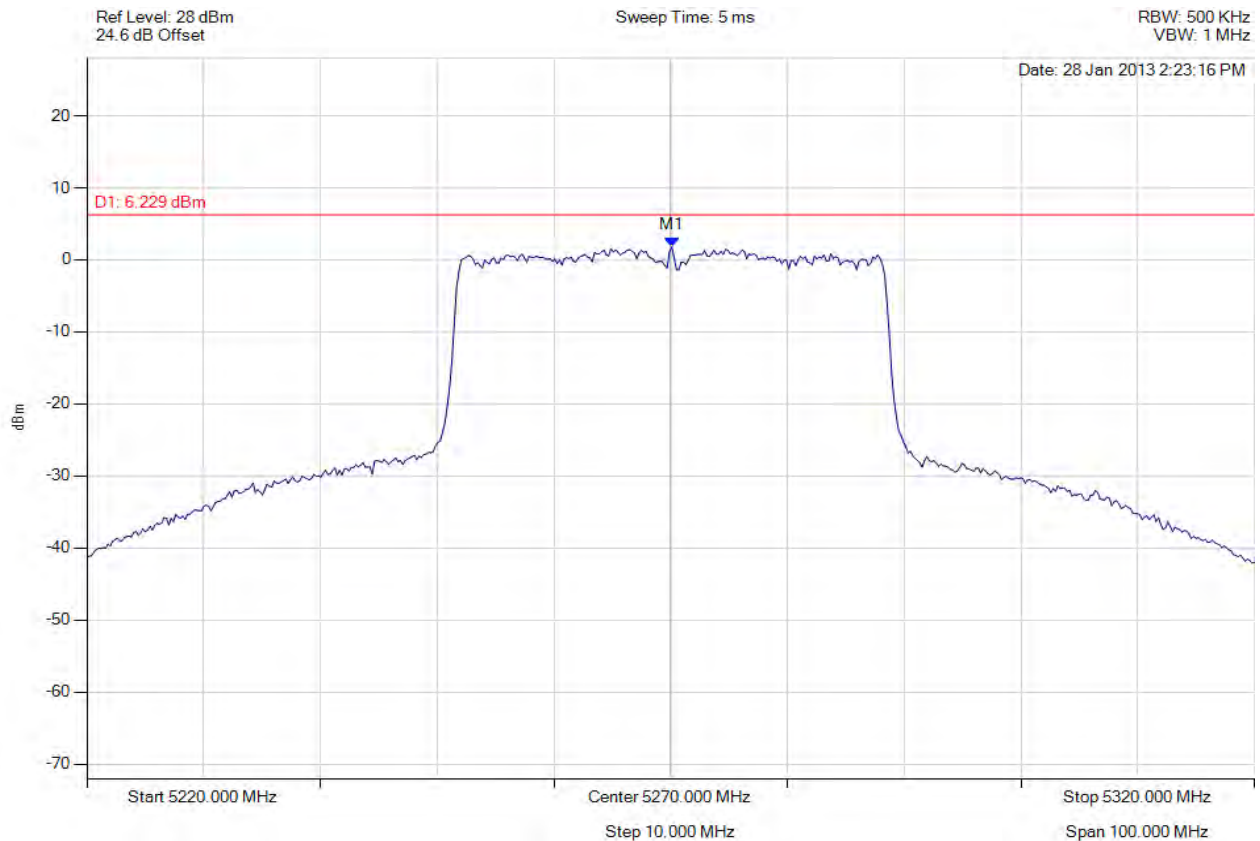


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5270.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5270.100 MHz : 1.803 dBm	Limit: $\leq 6.229$ dBm Margin: -4.43 dB

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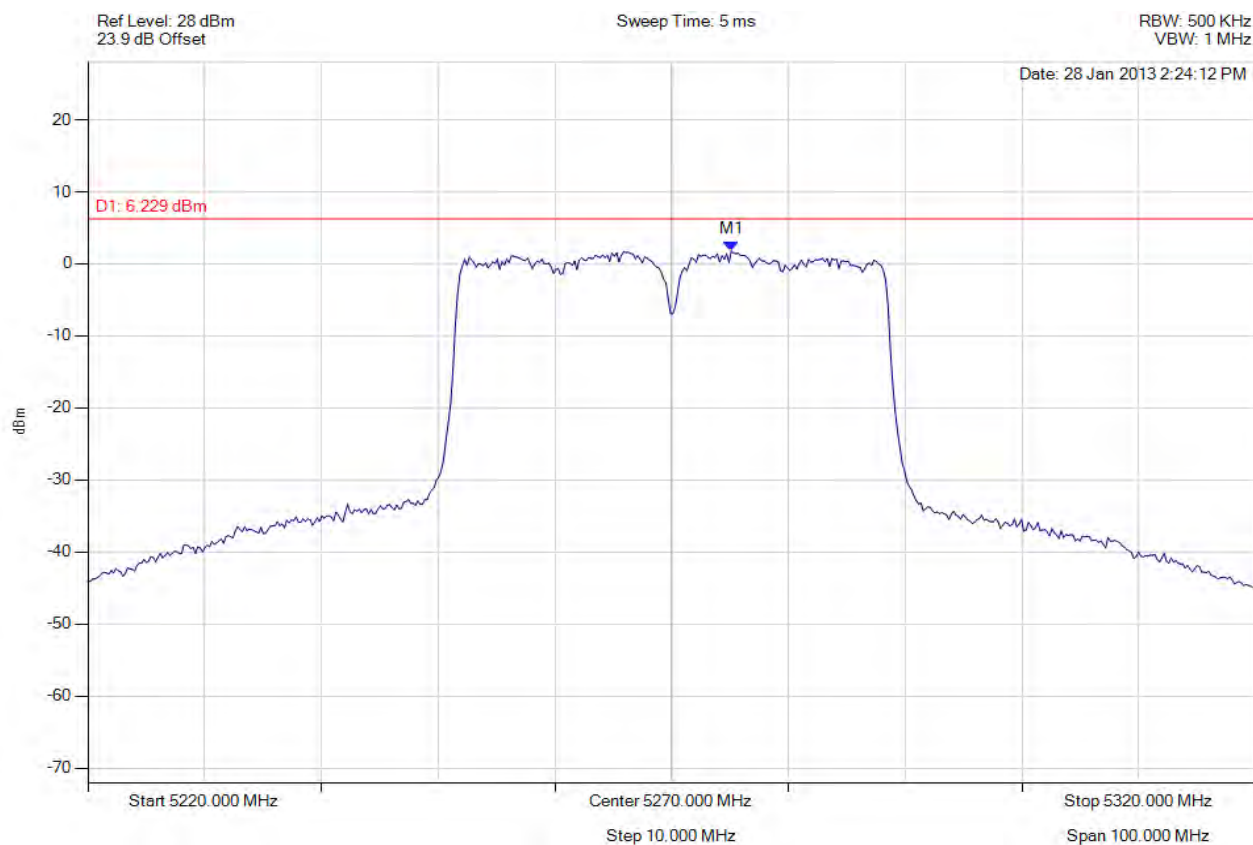


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5270.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5275.110 MHz : 1.798 dBm	Limit: $\leq 6.229$ dBm Margin: -4.43 dB

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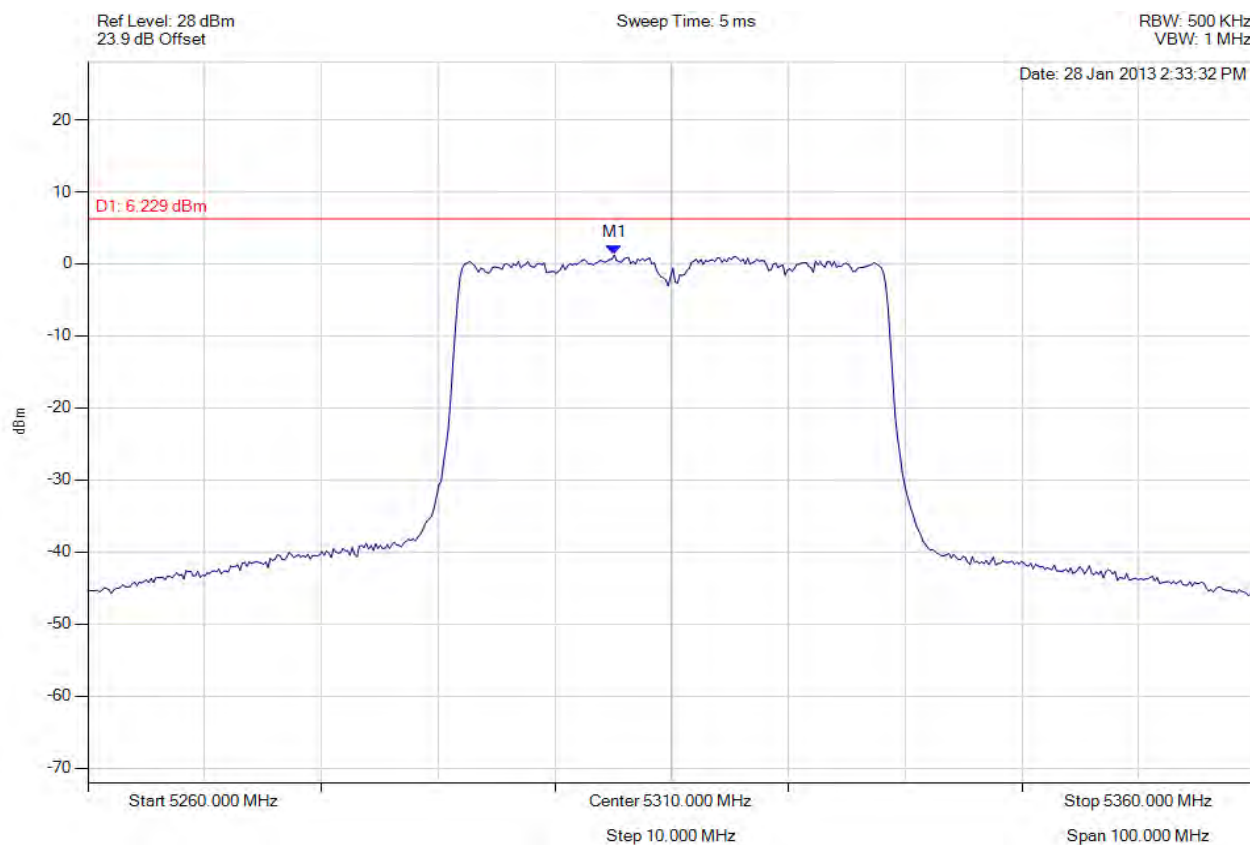


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5310.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.090 MHz : 1.228 dBm	Limit: $\leq 6.229$ dBm Margin: -5.00 dB

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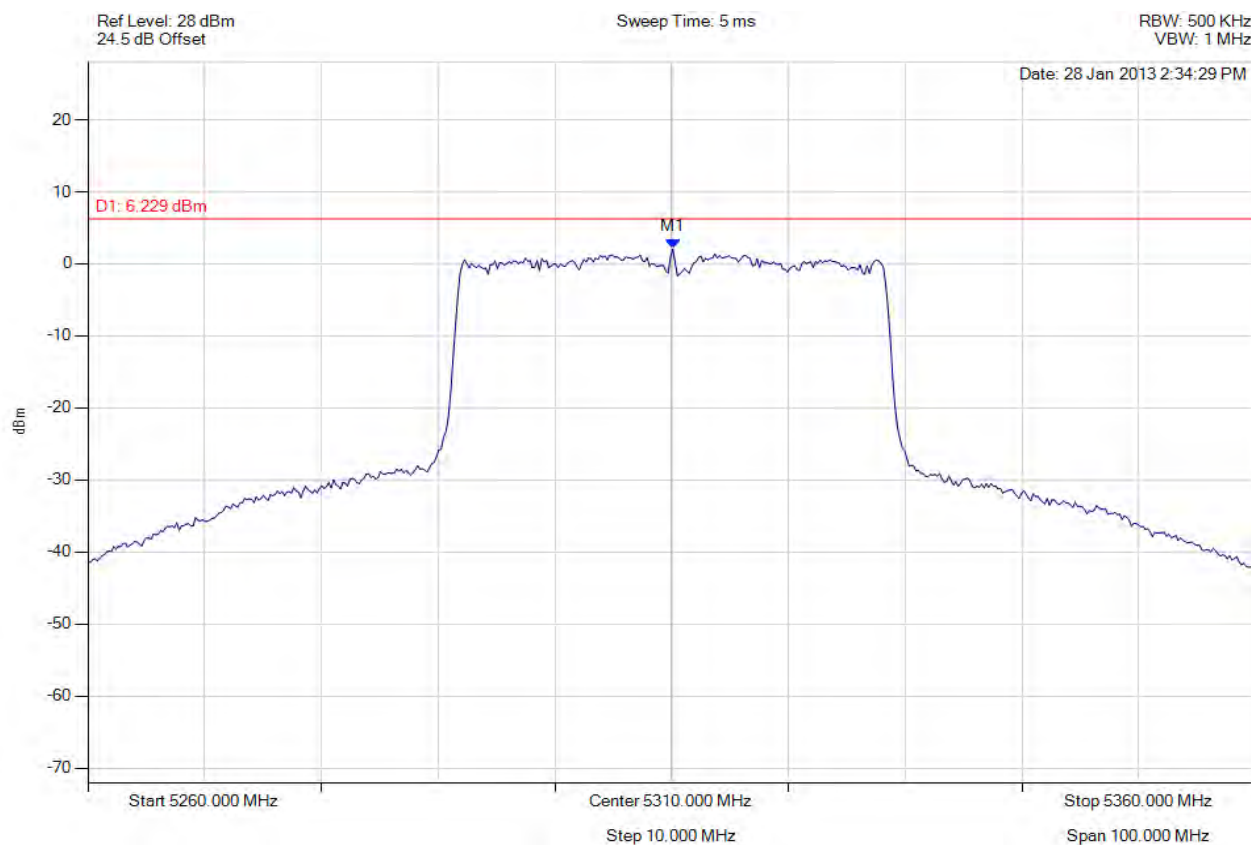


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5310.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5310.100 MHz : 2.075 dBm	Limit: $\leq 6.229$ dBm Margin: -4.15 dB

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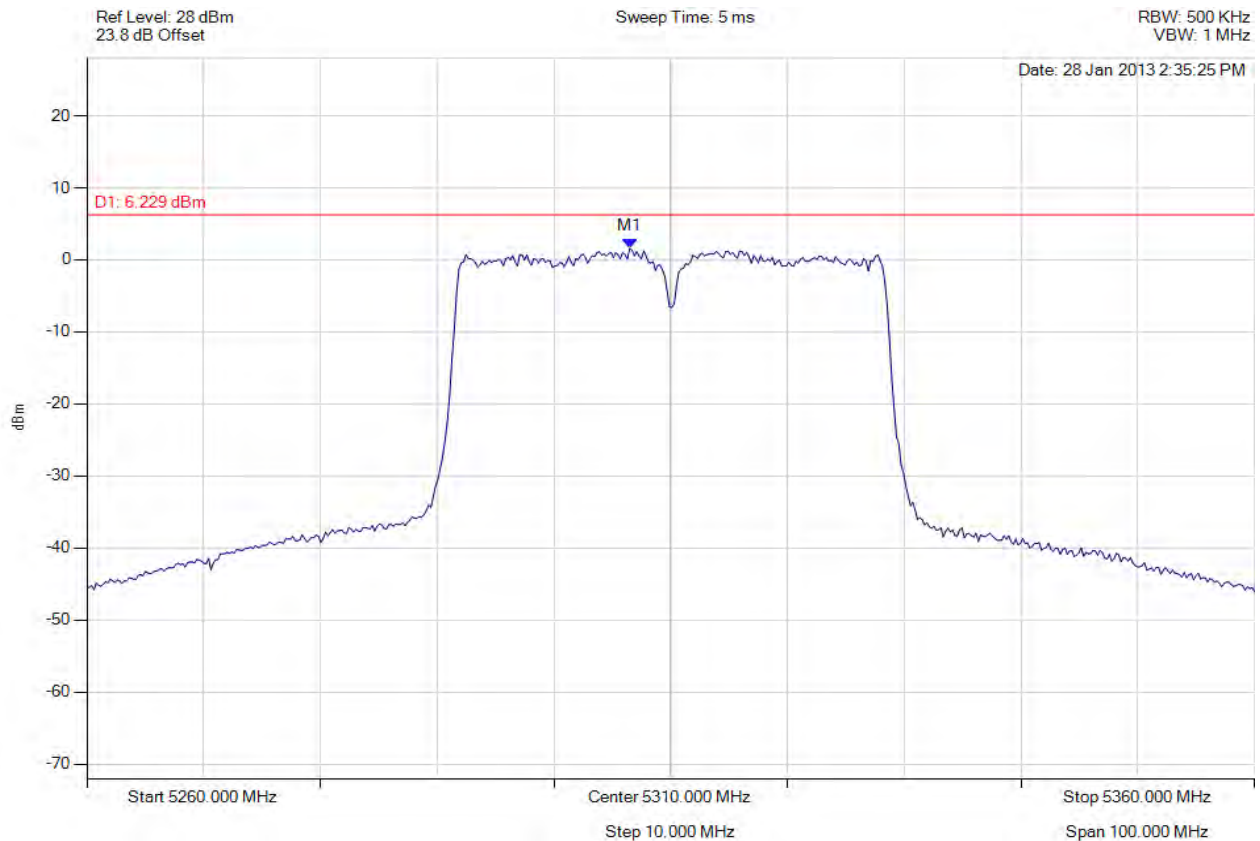


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.493 MHz : 1.601 dBm	Limit: $\leq 6.229$ dBm Margin: -4.63 dB

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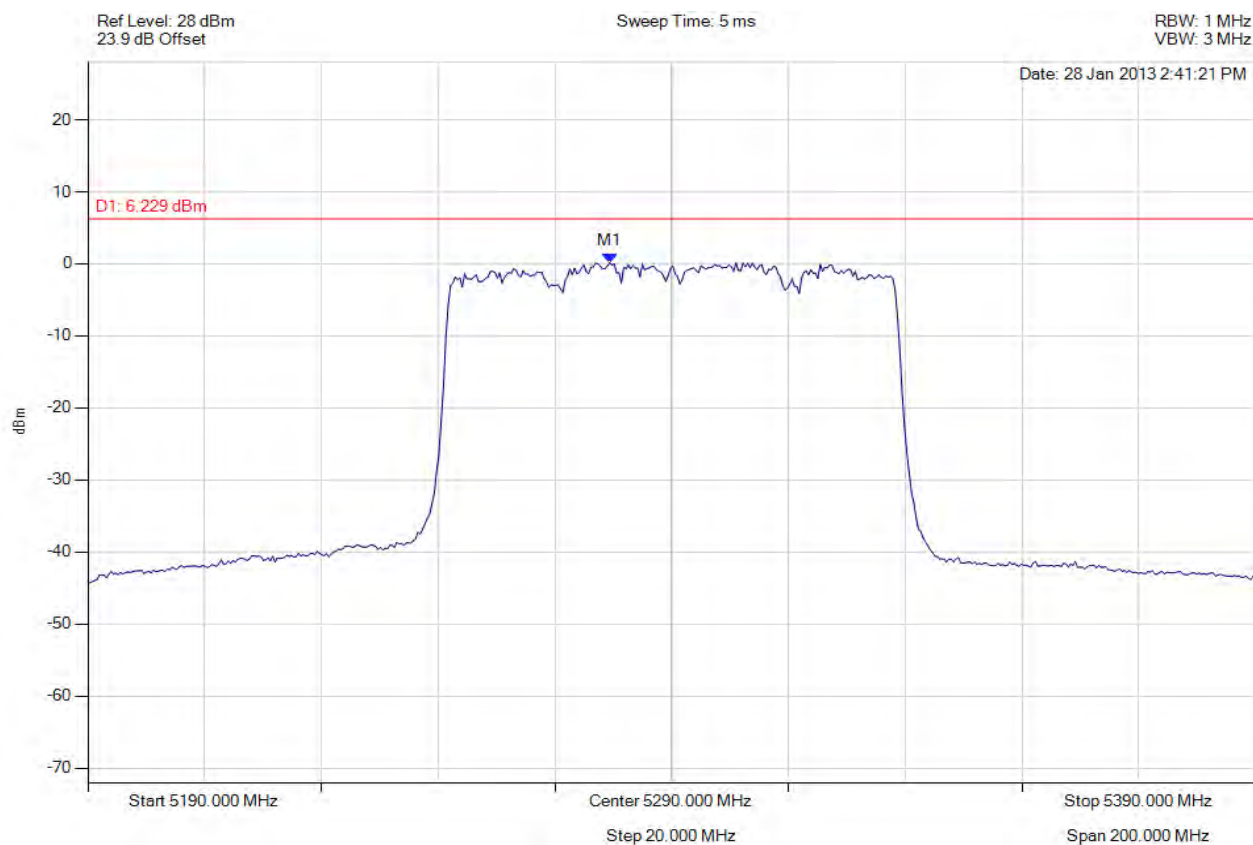


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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5279.379 MHz : 0.164 dBm	Limit: $\leq 6.229$ dBm Margin: -6.06 dB

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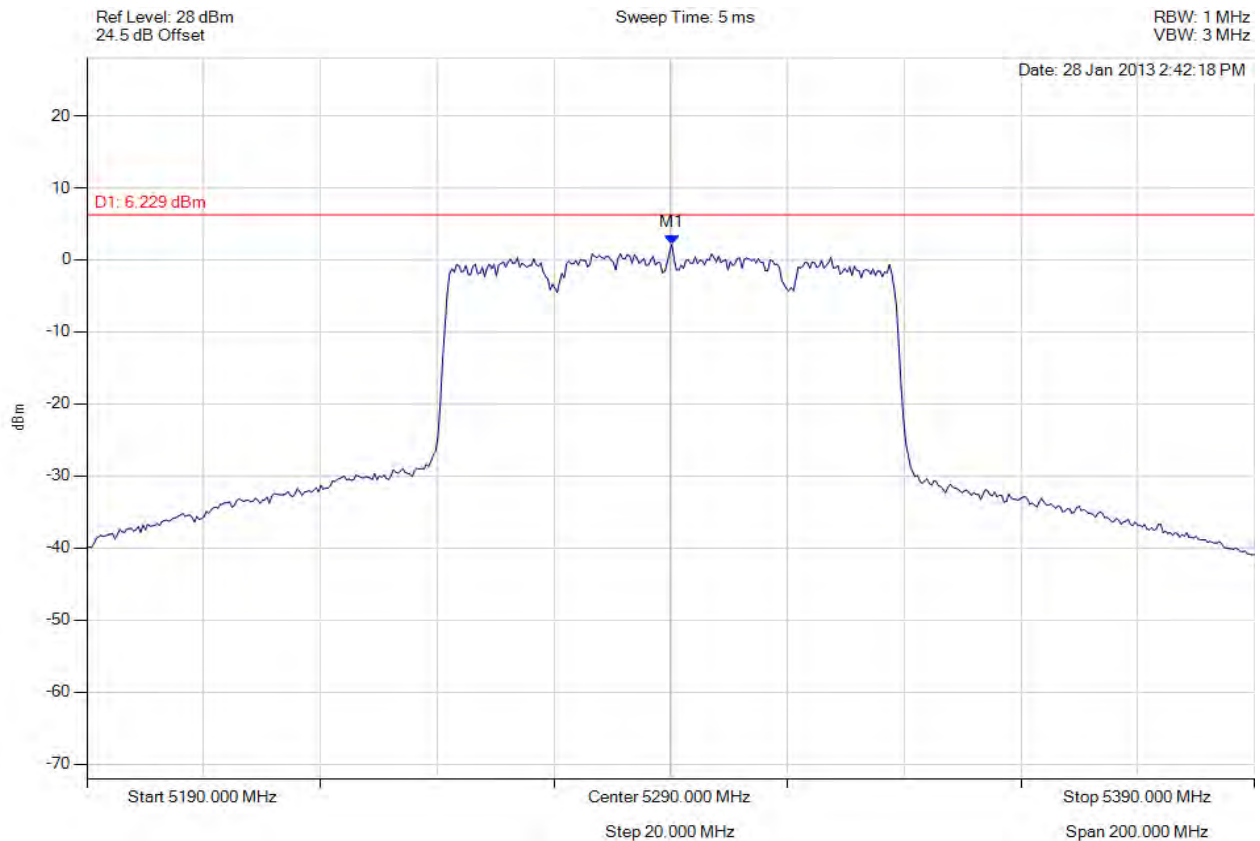


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5290.200 MHz : 2.150 dBm	Limit: $\leq 6.229$ dBm Margin: -4.08 dB

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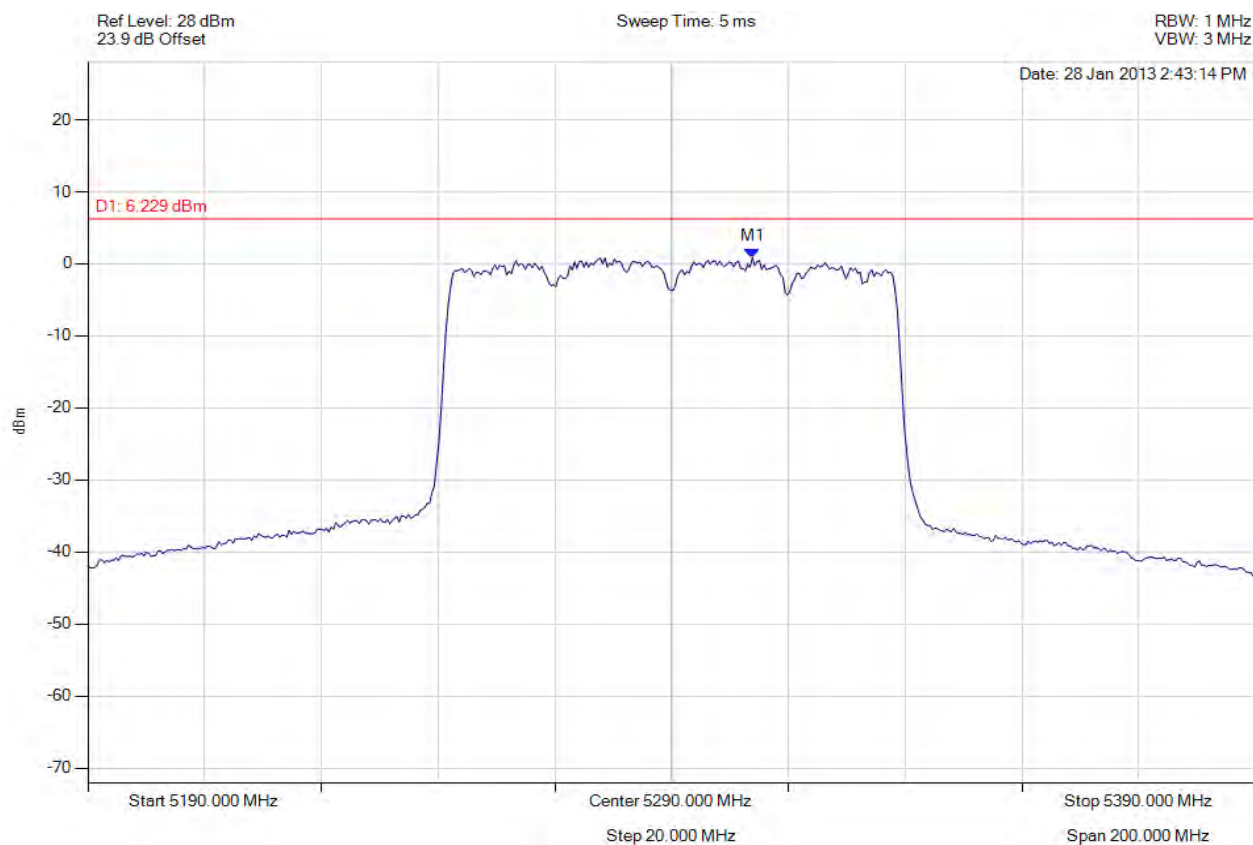


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5303.828 MHz : 0.861 dBm	Limit: $\leq 6.229$ dBm Margin: -5.37 dB

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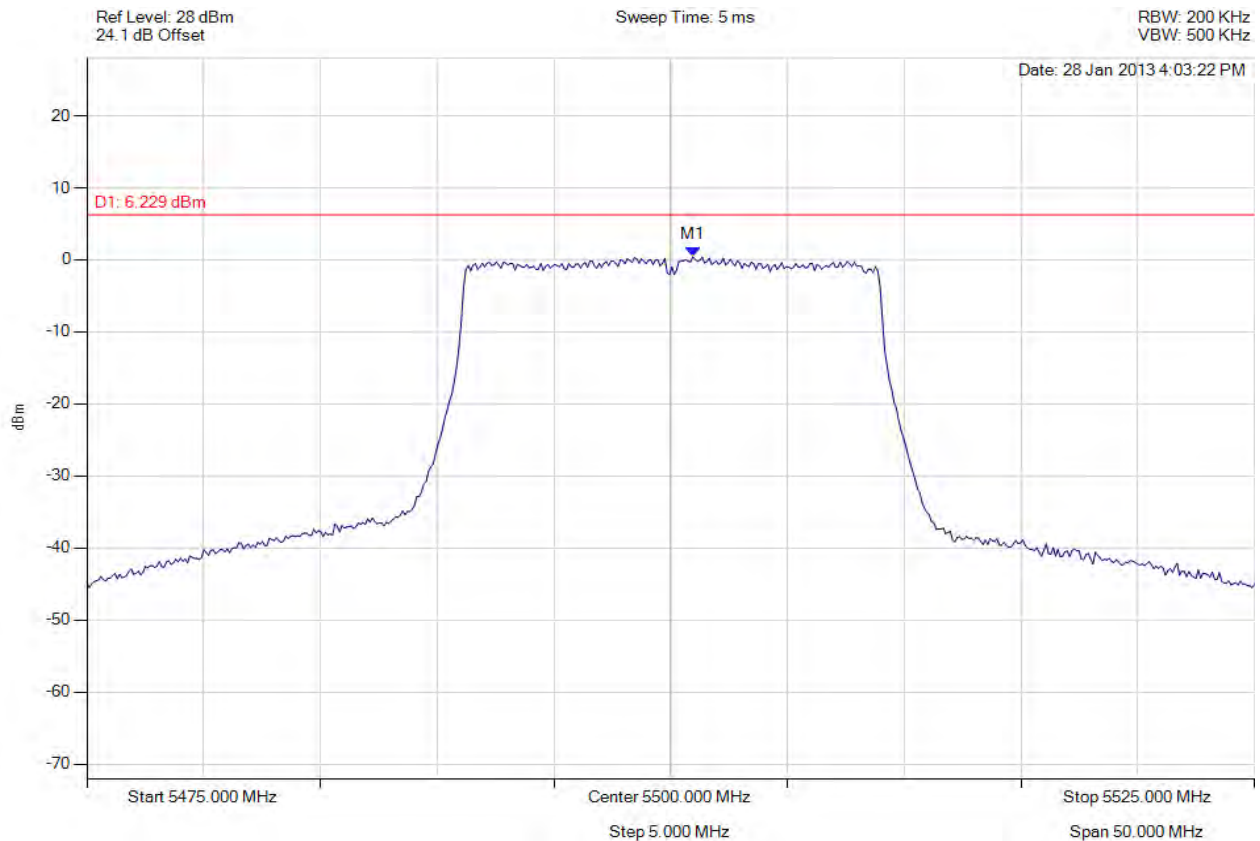


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5500.952 MHz : 0.420 dBm	Limit: $\leq 6.229$ dBm Margin: -5.81 dB

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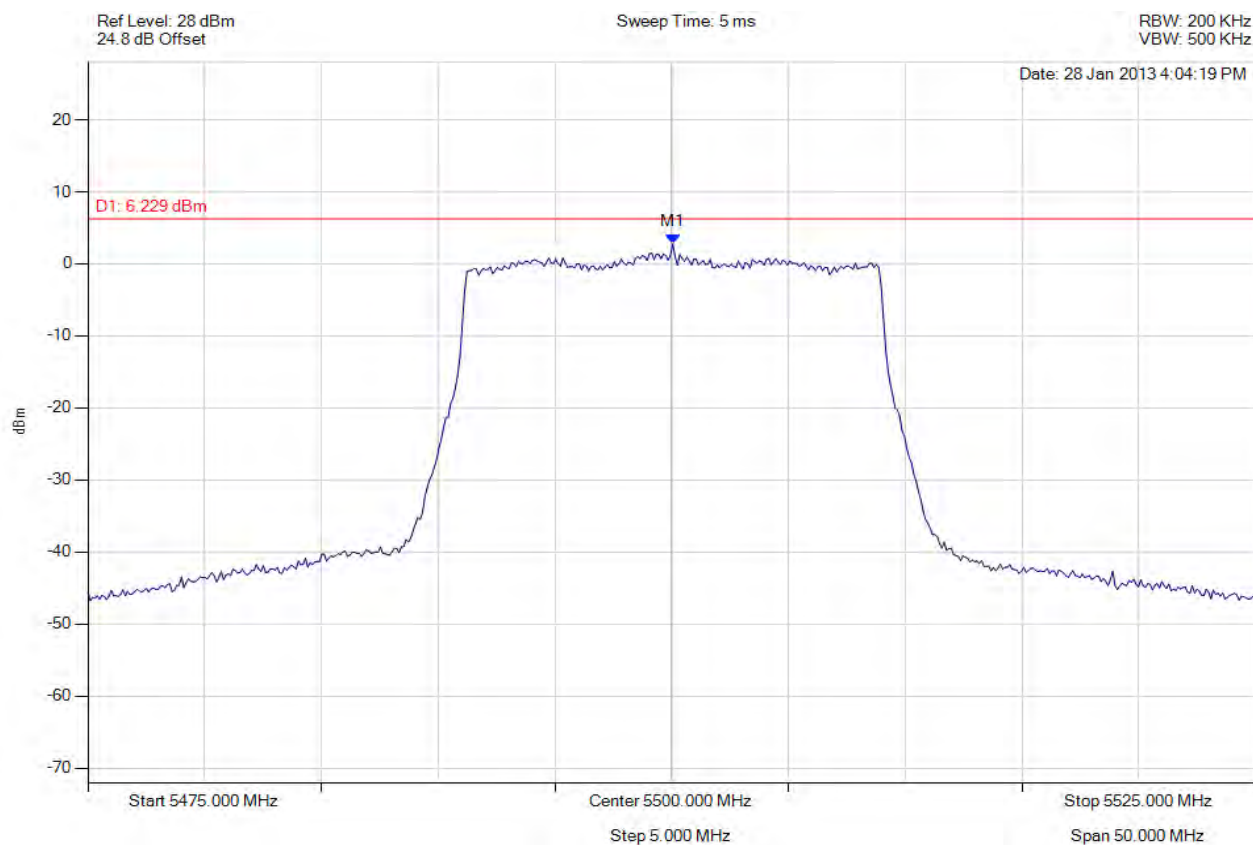


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5500.050 MHz : 2.772 dBm	Limit: $\leq 6.229$ dBm Margin: -3.46 dB

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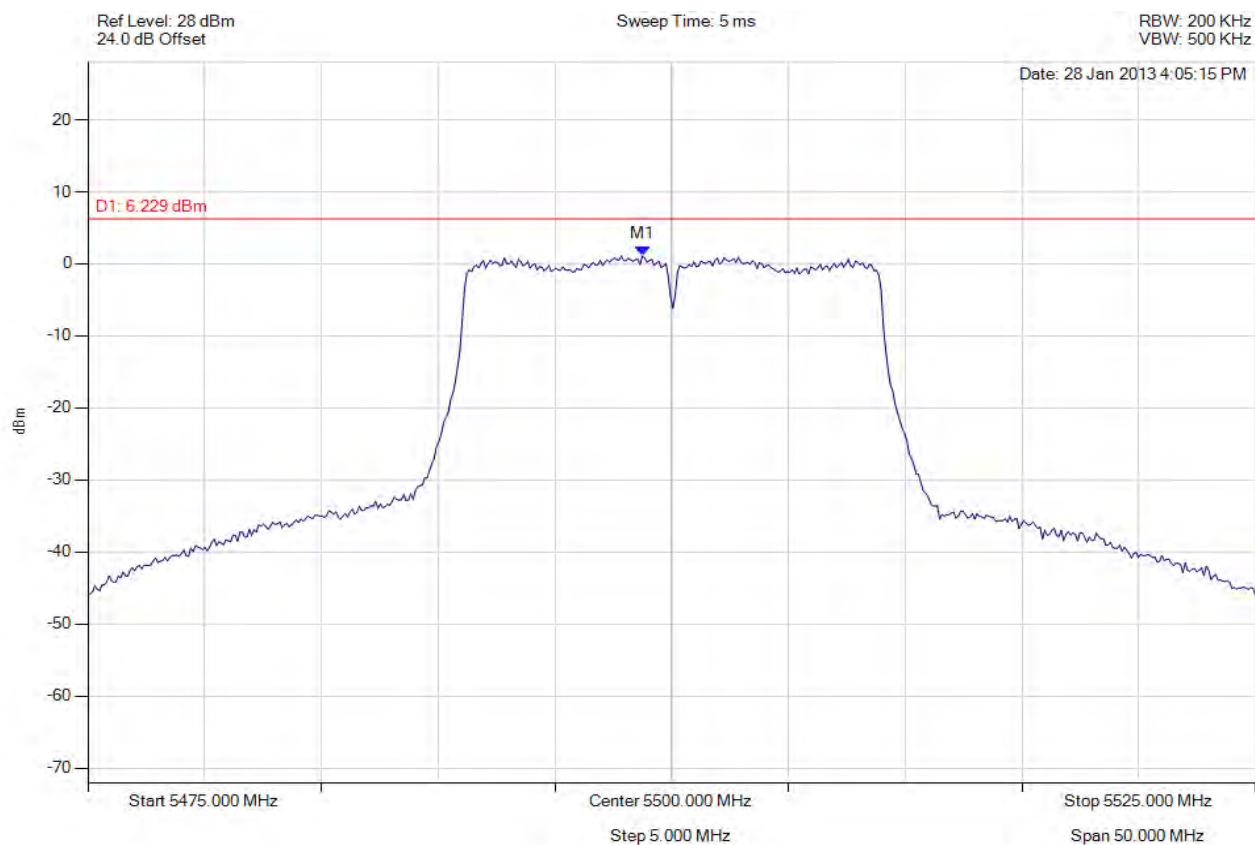


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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5498.747 MHz : 1.089 dBm	Limit: $\leq 6.229$ dBm Margin: -5.14 dB

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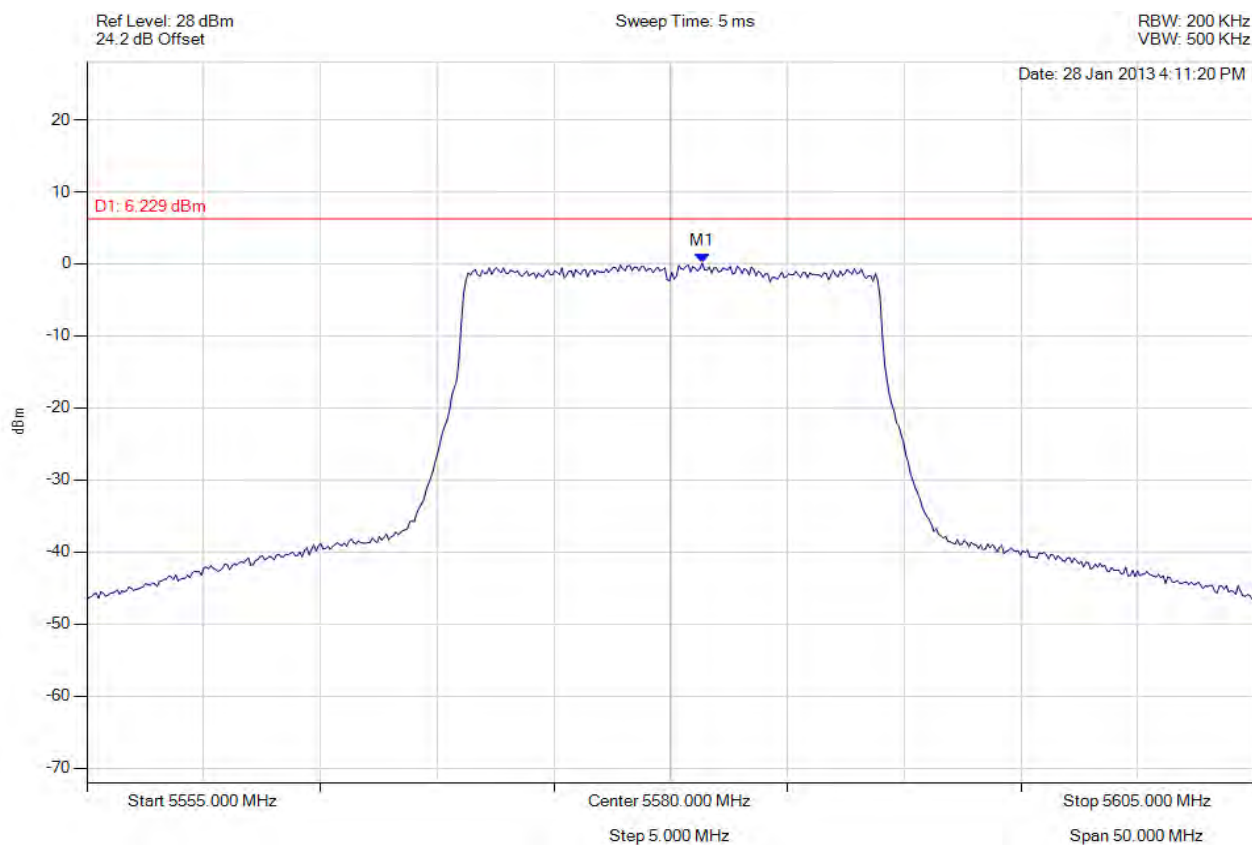


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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5581.353 MHz : 0.090 dBm	Limit: $\leq 6.229$ dBm Margin: -6.14 dB

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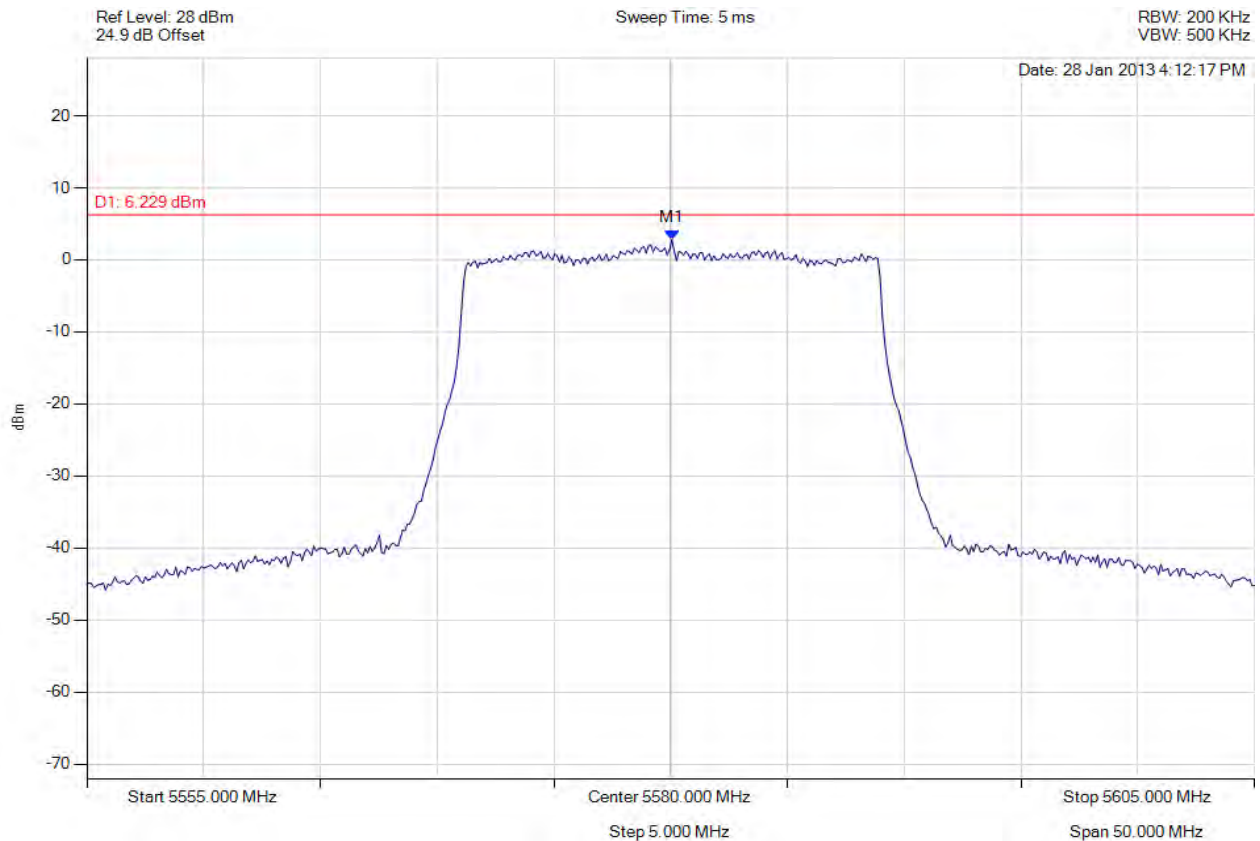


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5580.050 MHz : 2.815 dBm	Limit: $\leq 6.229$ dBm Margin: -3.41 dB

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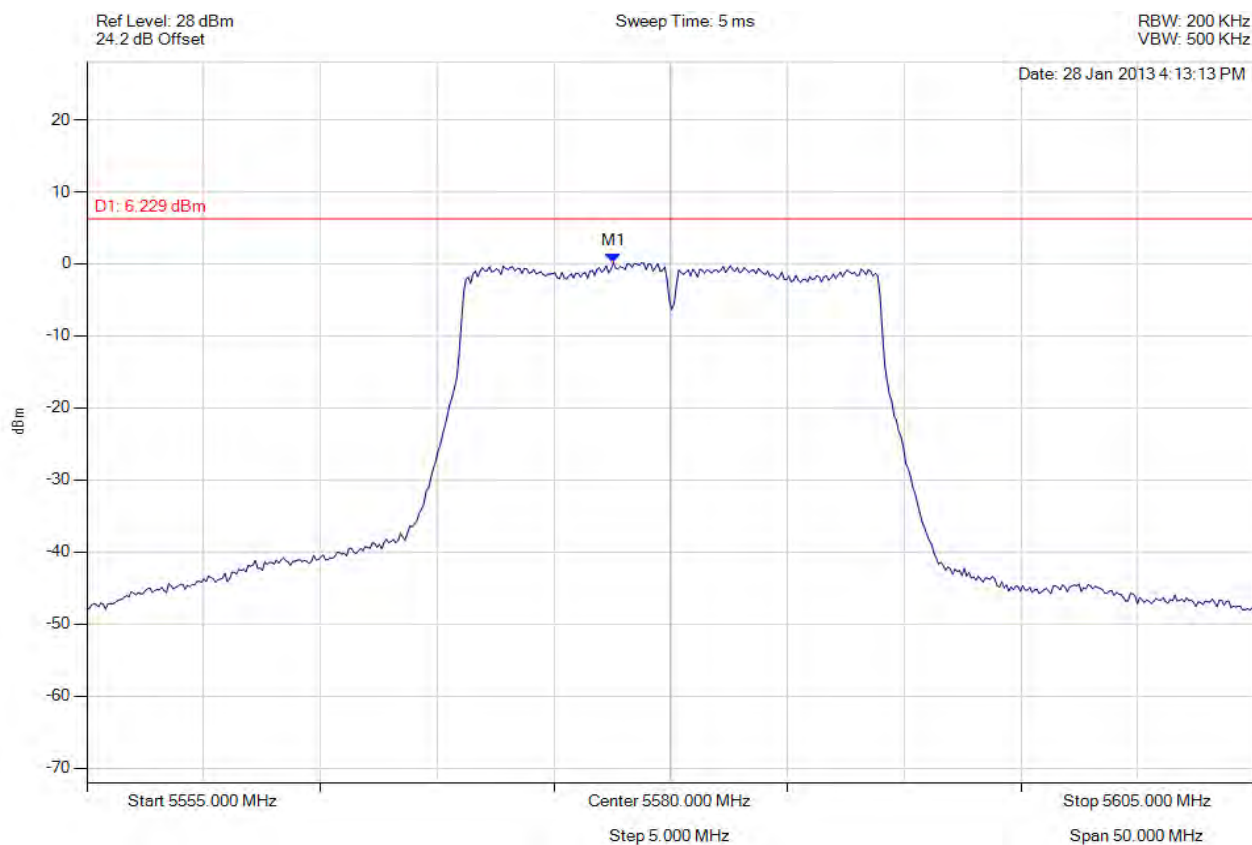


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5577.545 MHz : 0.170 dBm	Limit: $\leq 6.229$ dBm Margin: -6.06 dB

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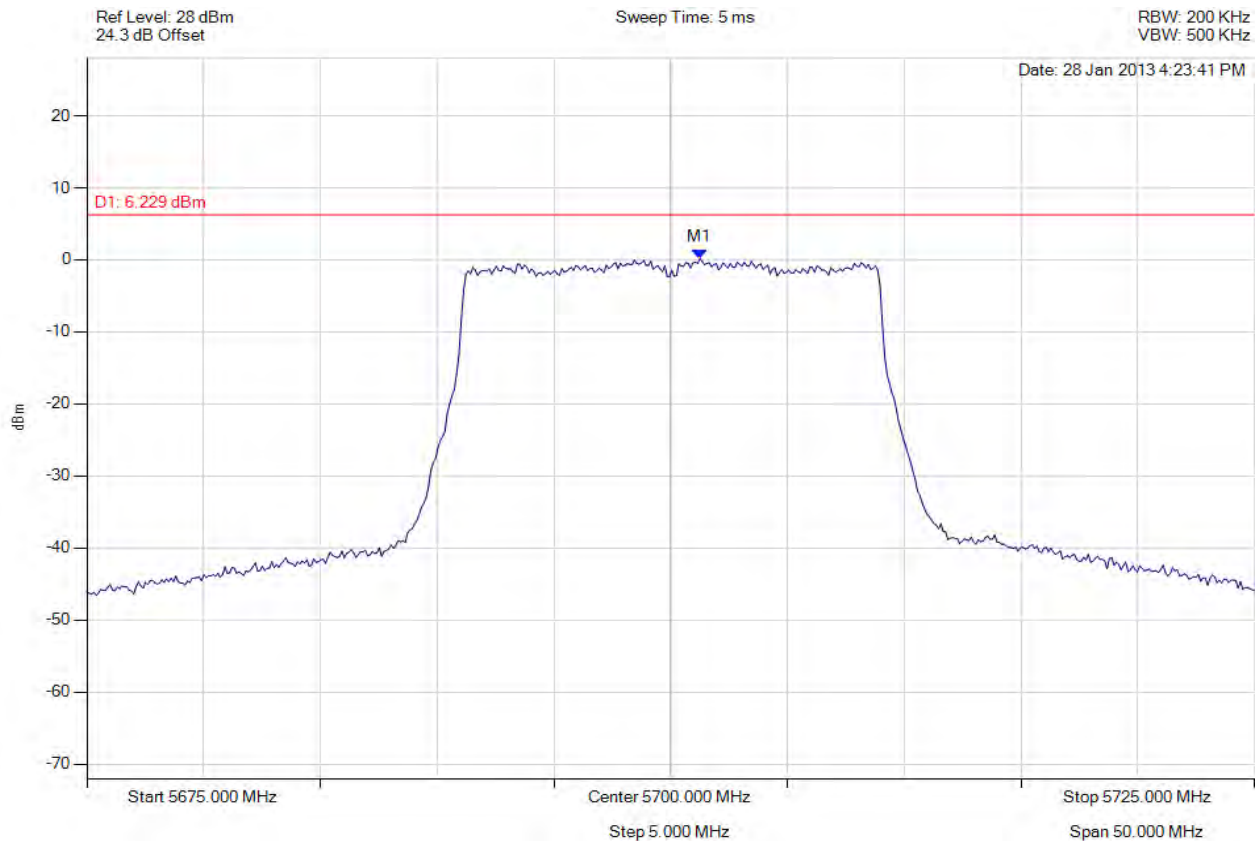


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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5700.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5701.253 MHz : 0.147 dBm	Limit: $\leq 6.229$ dBm Margin: -6.08 dB

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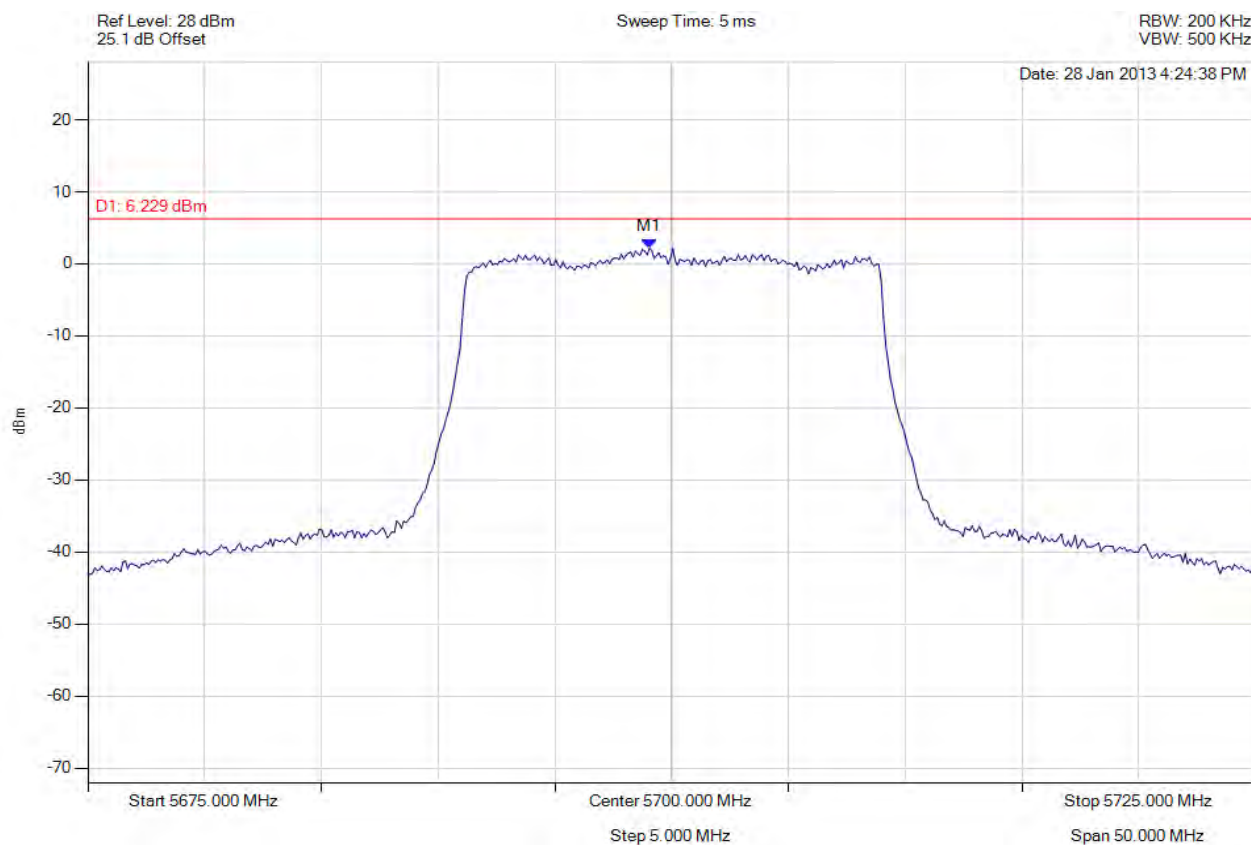


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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5700.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5699.048 MHz : 2.163 dBm	Limit: $\leq 6.229$ dBm Margin: -4.07 dB

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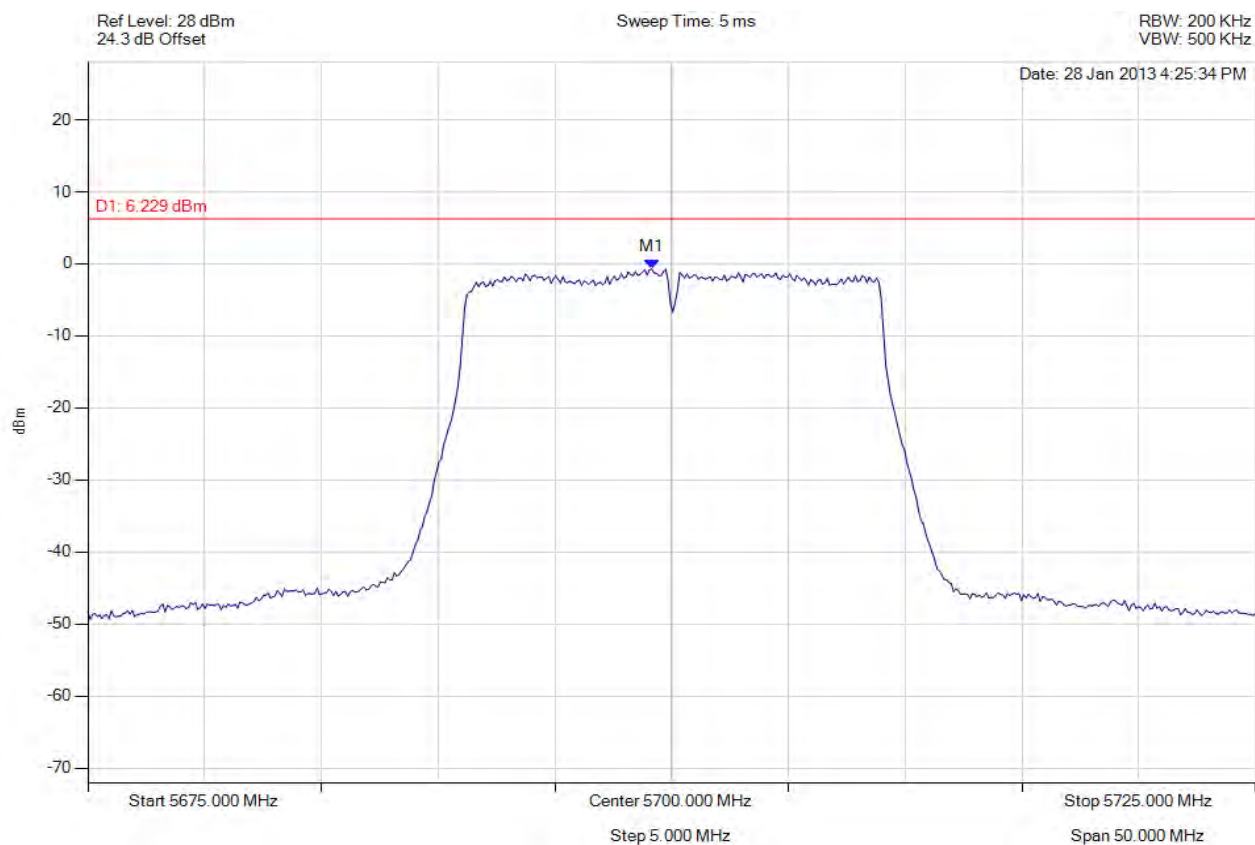


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5700.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5699.148 MHz : -0.720 dBm	Limit: $\leq 6.229$ dBm Margin: -6.95 dB

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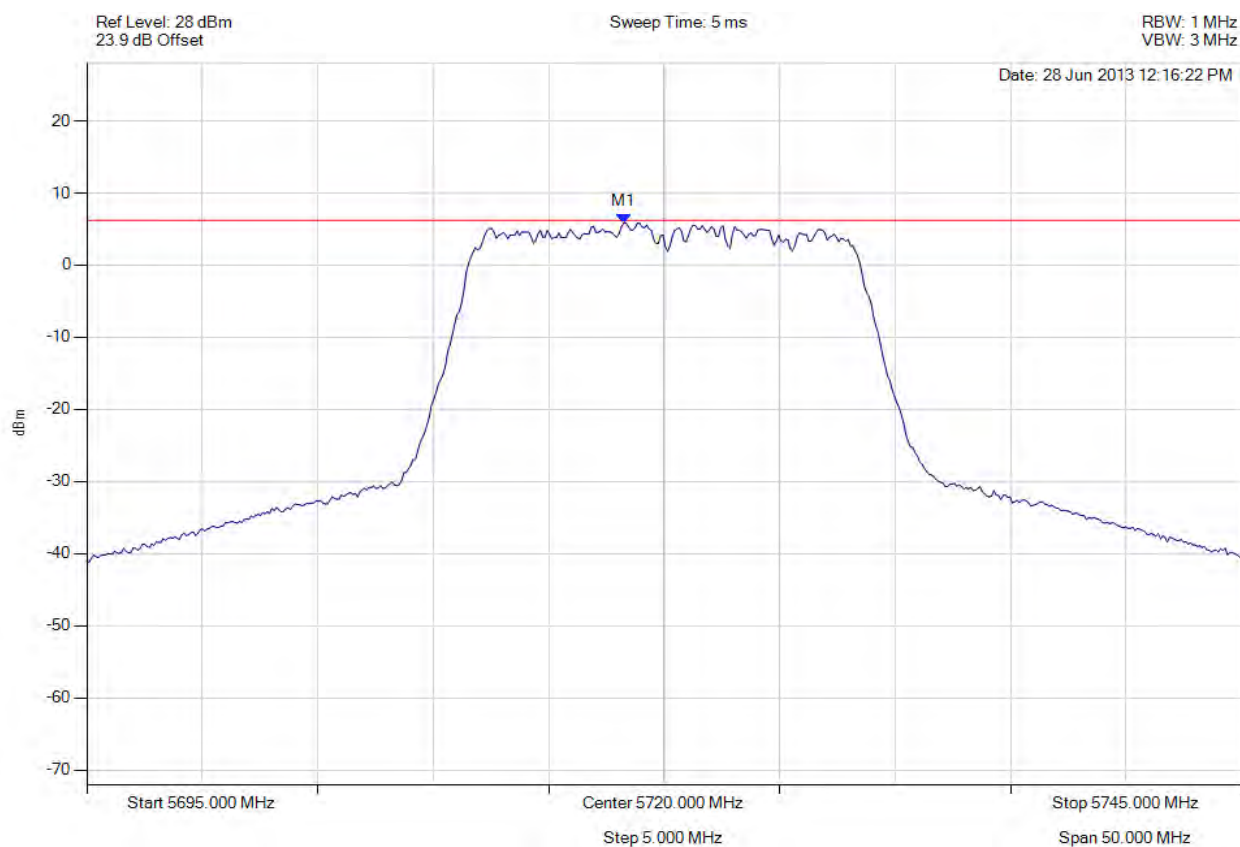


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5718.246 MHz : 5.859 dBm	Limit: $\leq 6.200$ dBm Margin: -0.34 dB

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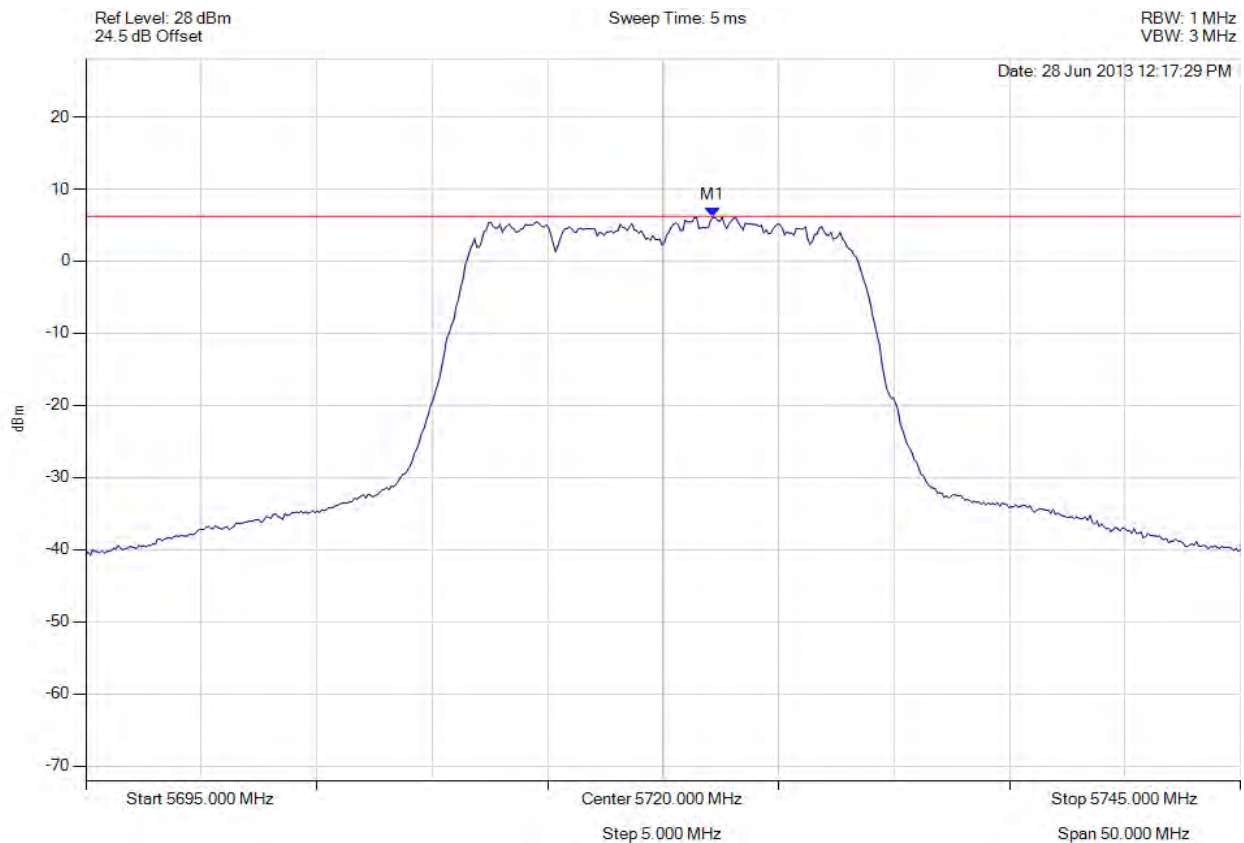


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5722.154 MHz : 6.103 dBm	Limit: $\leq 6.200$ dBm Margin: -0.10 dB

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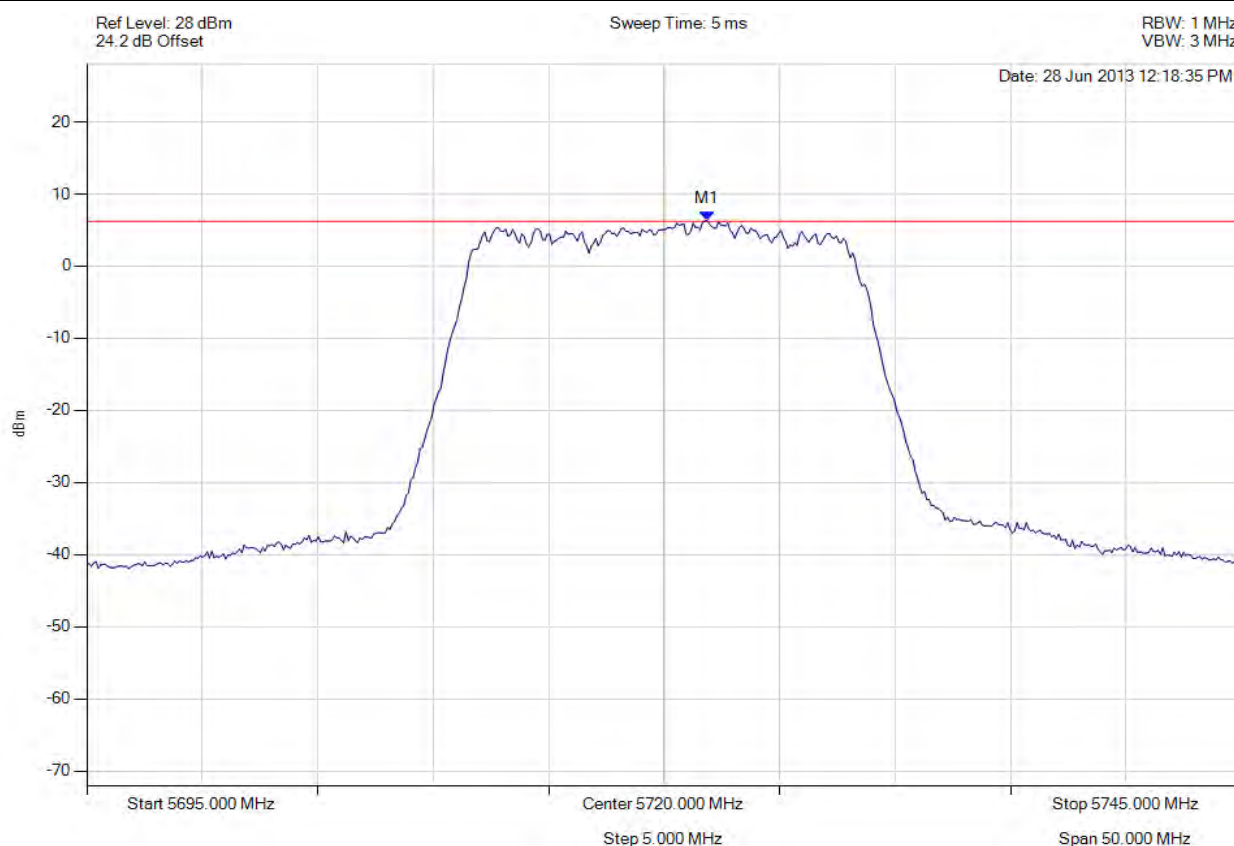


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5721.854 MHz : 6.355 dBm	Limit: $\leq 6.200$ dBm Margin: 0.16 dB

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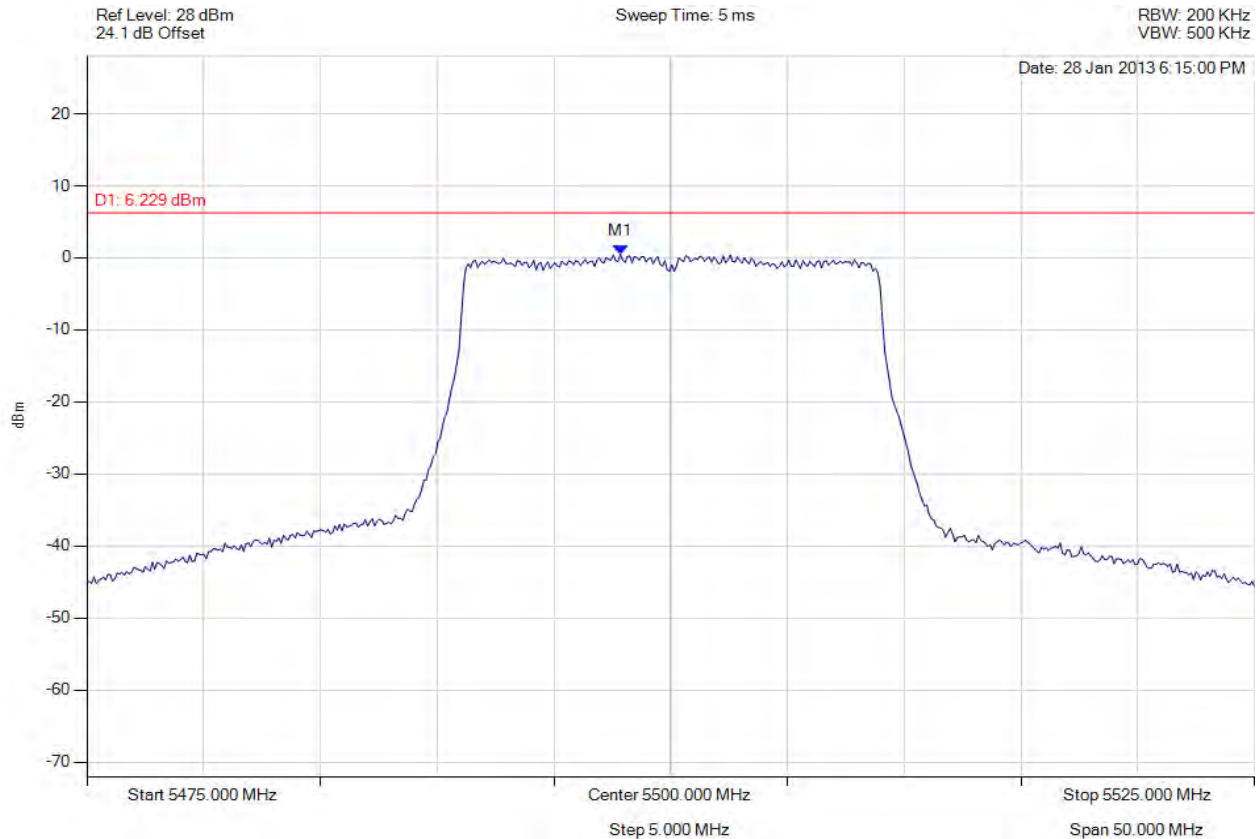


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5497.846 MHz : 0.546 dBm	Limit: $\leq 6.229$ dBm Margin: -5.68 dB

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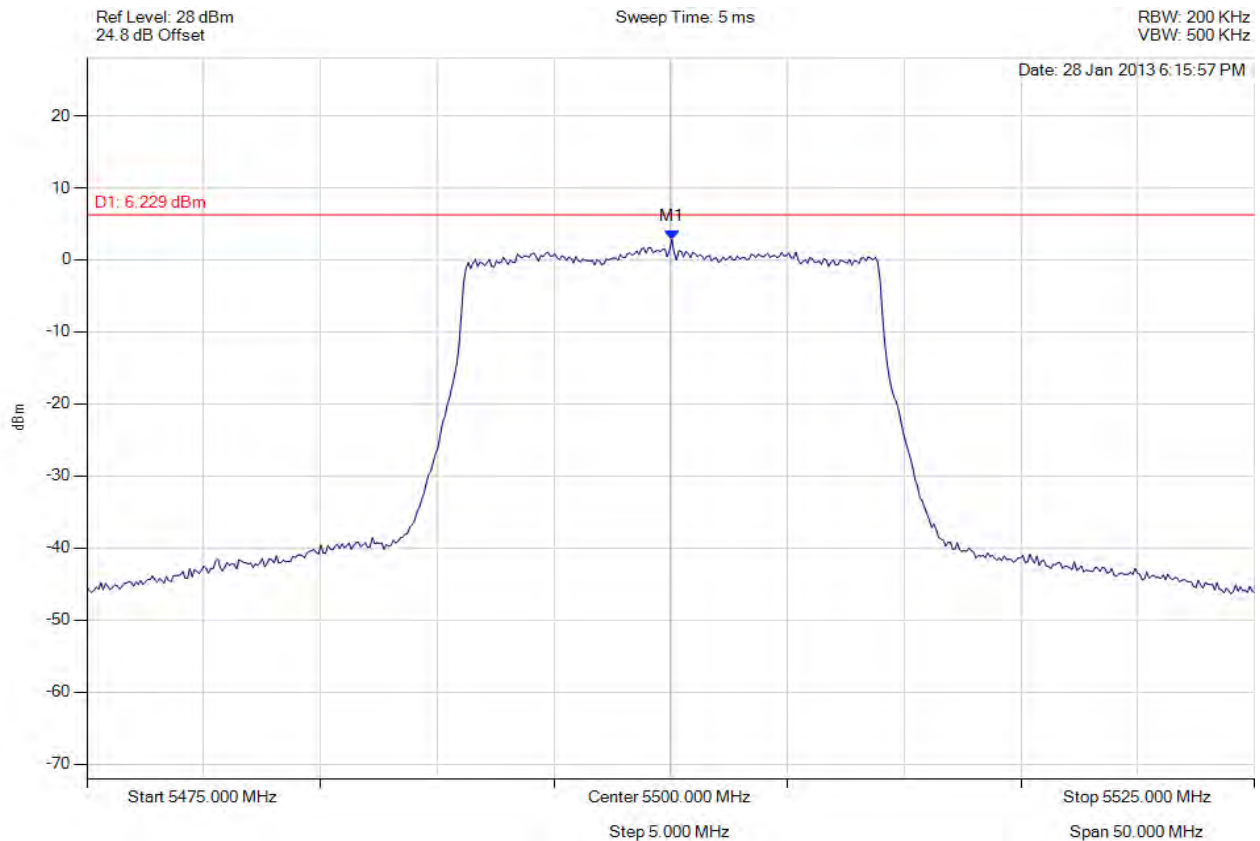


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5500.050 MHz : 2.885 dBm	Limit: $\leq 6.229$ dBm Margin: -3.34 dB

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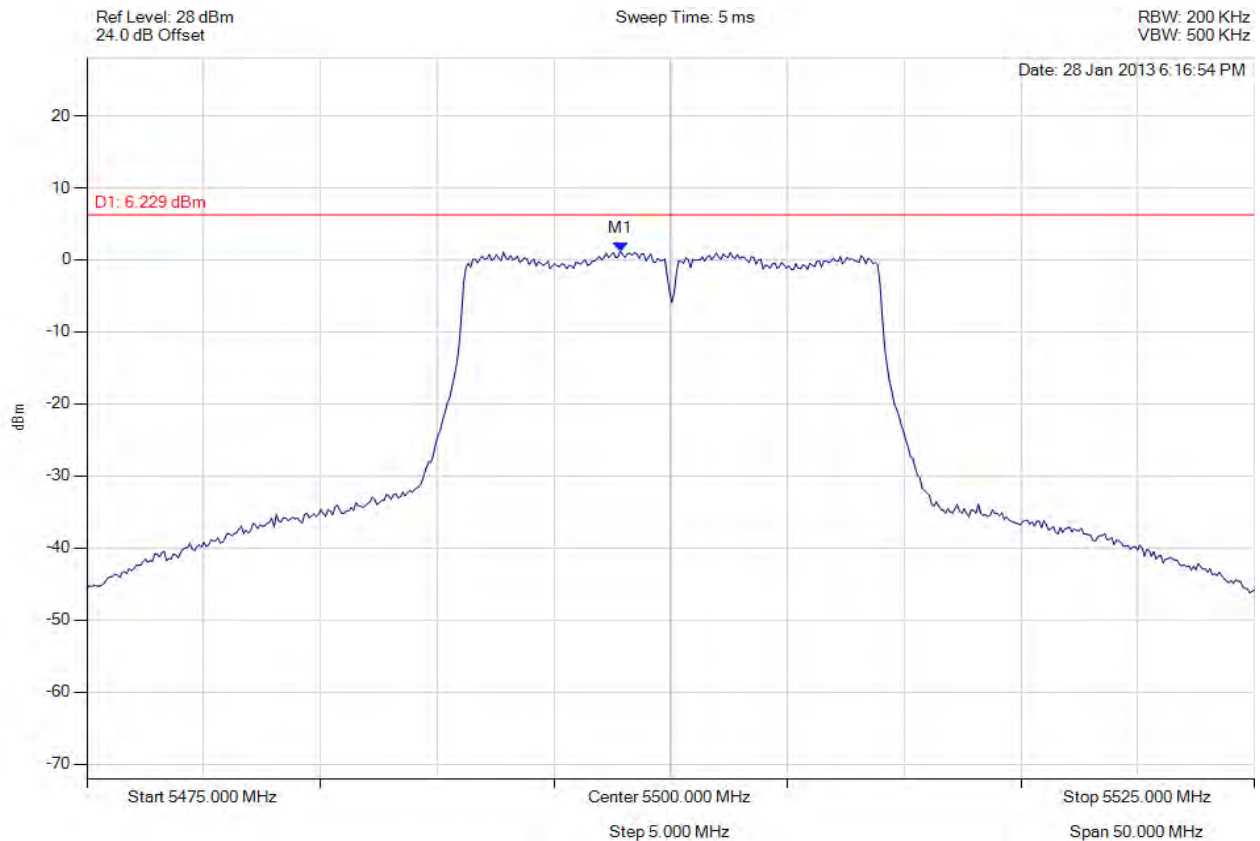


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5497.846 MHz : 1.213 dBm	Limit: $\leq 6.229$ dBm Margin: -5.02 dB

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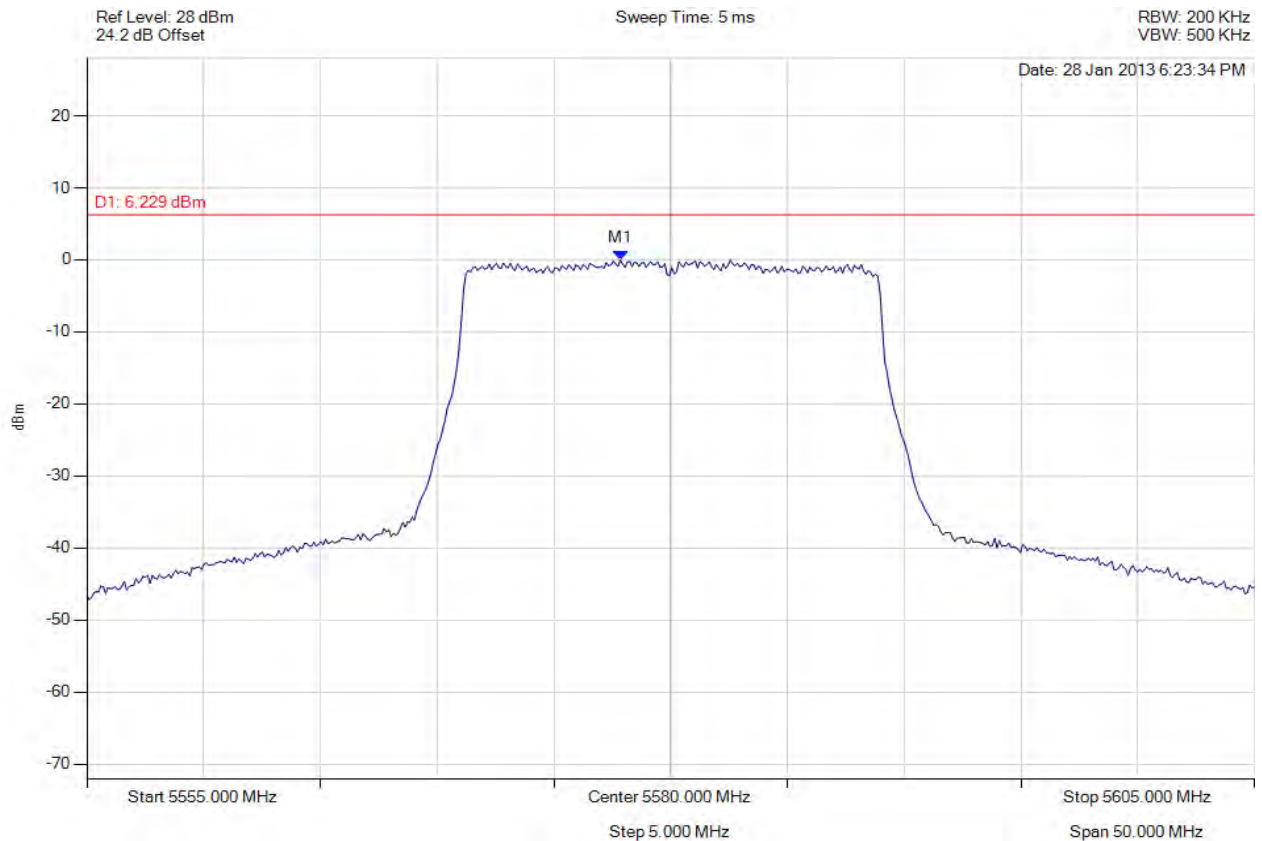


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5577.846 MHz : -0.018 dBm	Limit: $\leq 6.229$ dBm Margin: -6.25 dB

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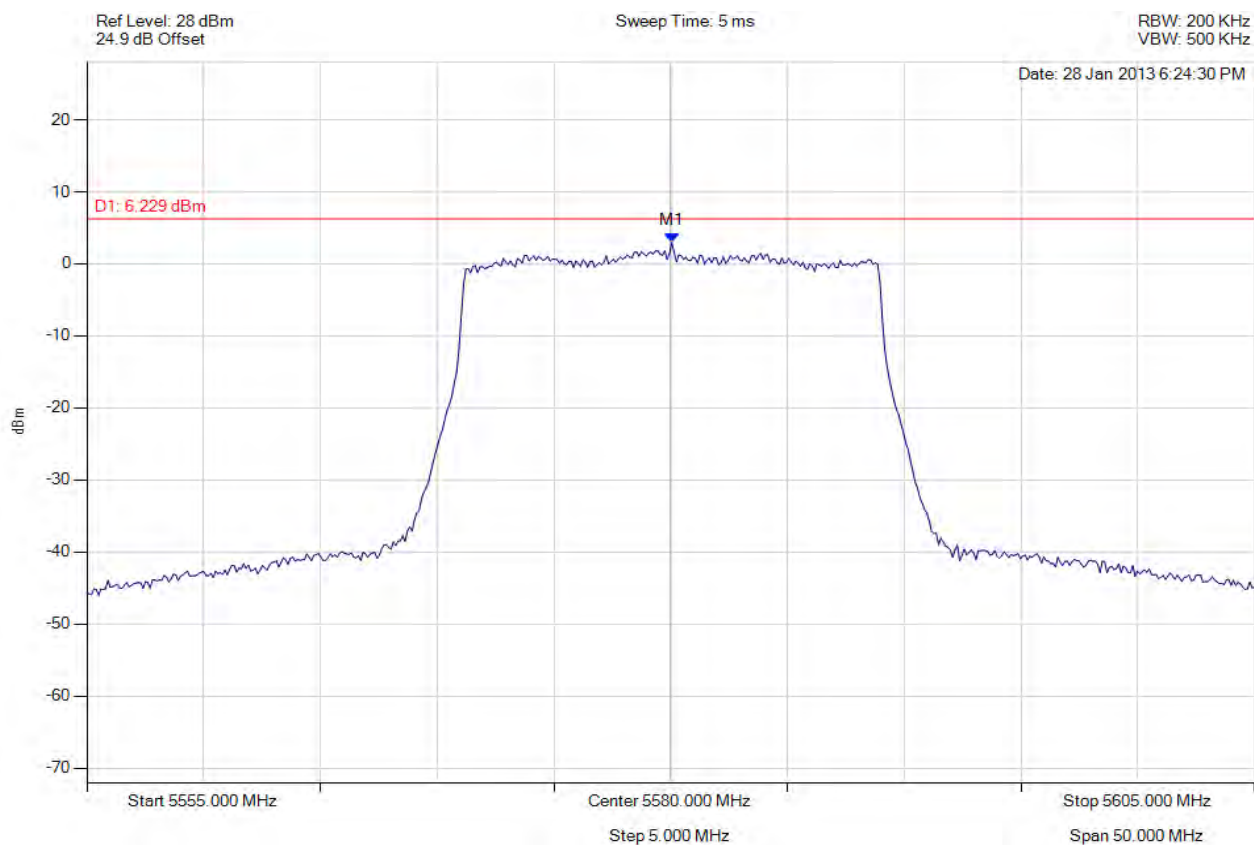


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5580.050 MHz : 2.953 dBm	Limit: $\leq 6.229$ dBm Margin: -3.28 dB

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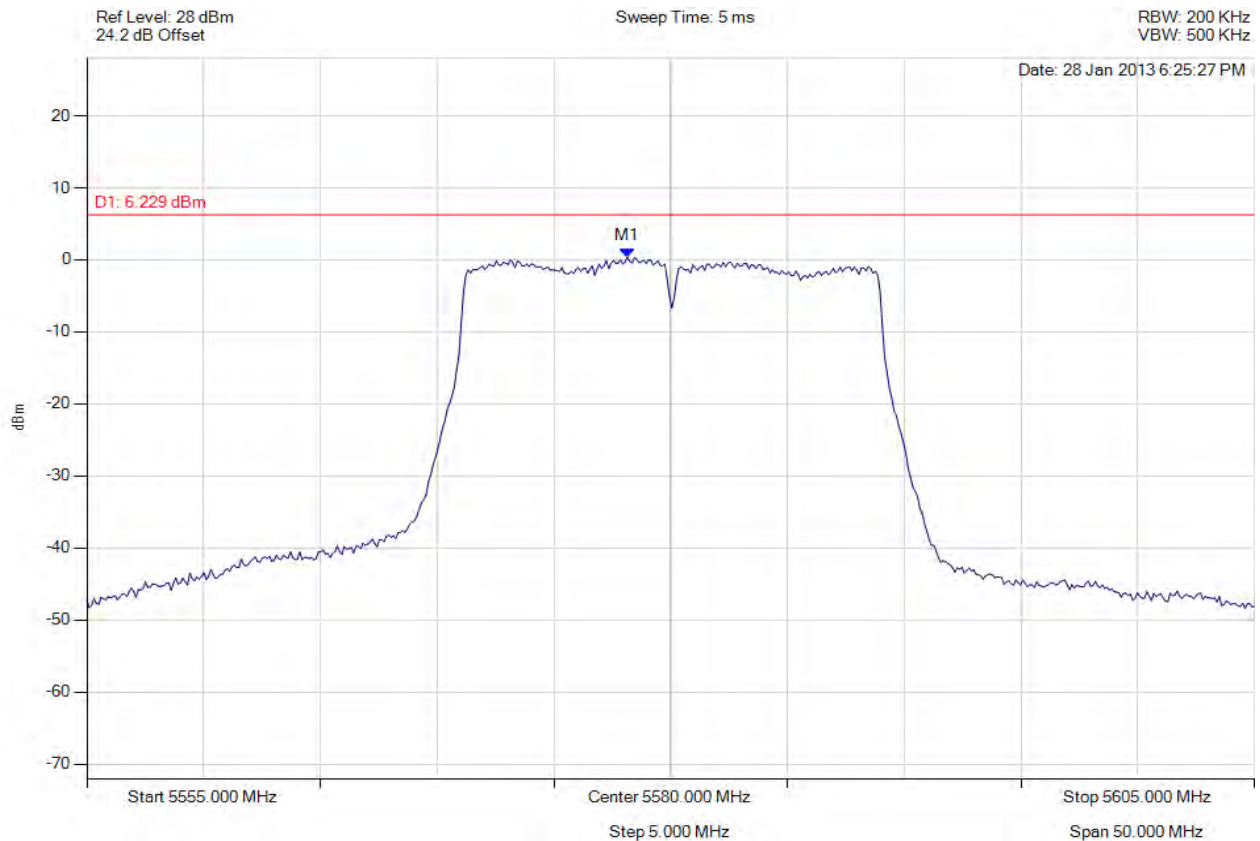


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5578.146 MHz : 0.358 dBm	Limit: $\leq 6.229$ dBm Margin: -5.87 dB

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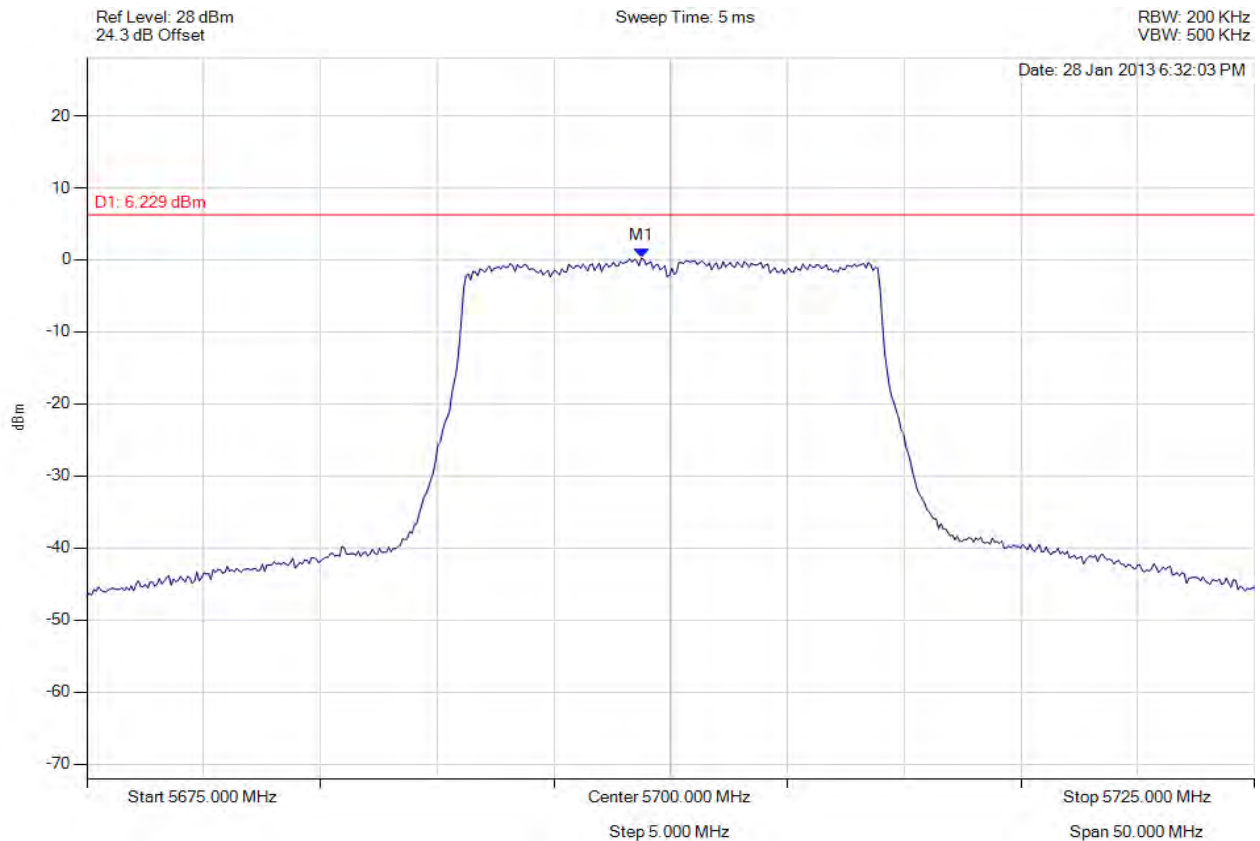


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5698.747 MHz : 0.259 dBm	Limit: $\leq 6.229$ dBm Margin: -5.97 dB

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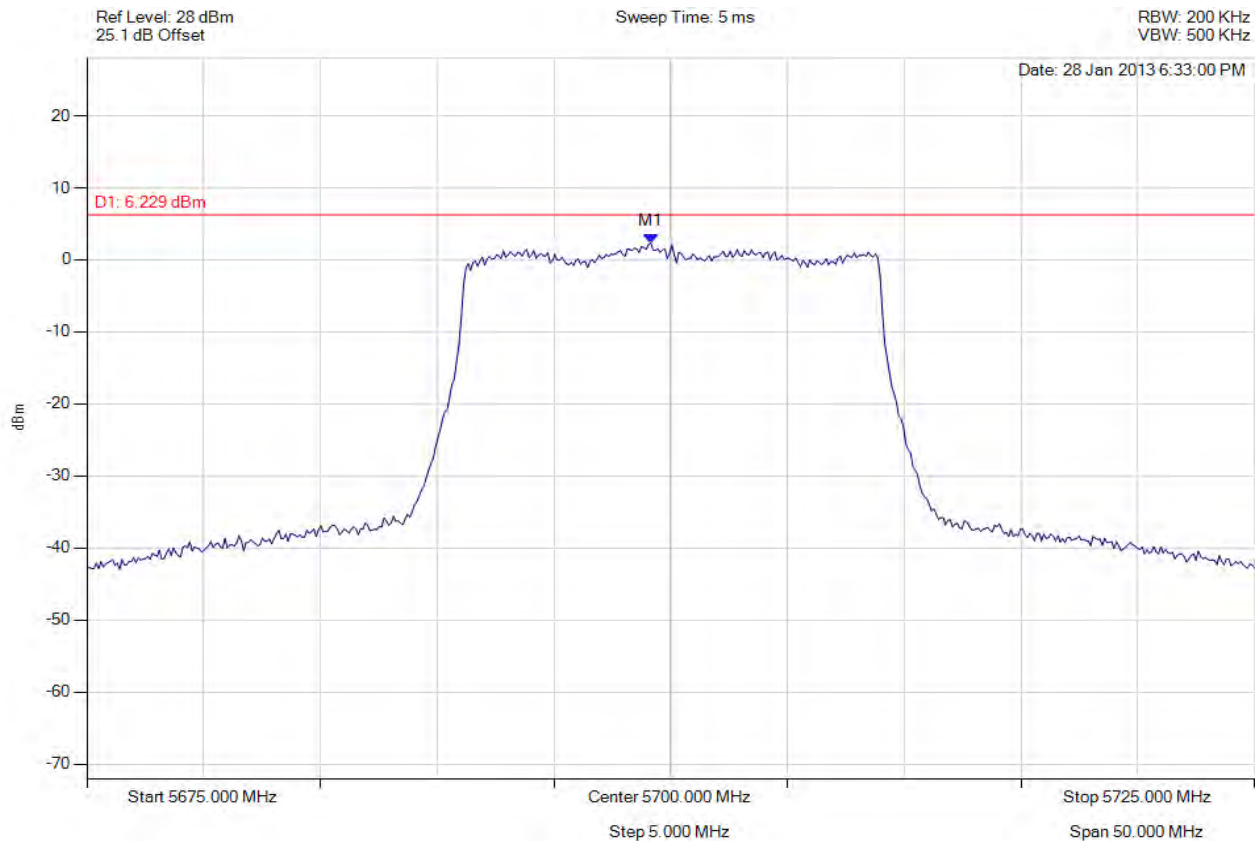


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5699.148 MHz : 2.351 dBm	Limit: $\leq 6.229$ dBm Margin: -3.88 dB

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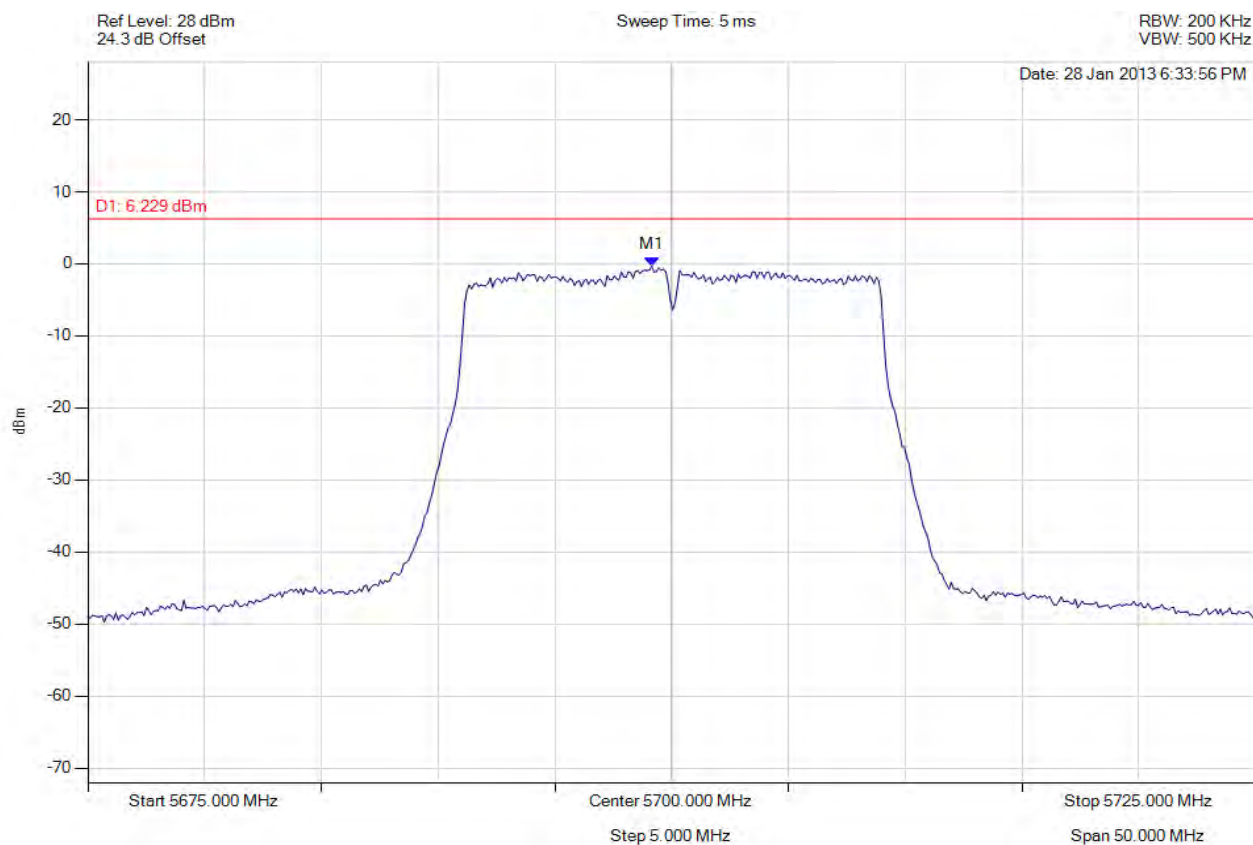


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5700.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5699.148 MHz : -0.315 dBm	Limit: $\leq 6.229$ dBm Margin: -6.54 dB

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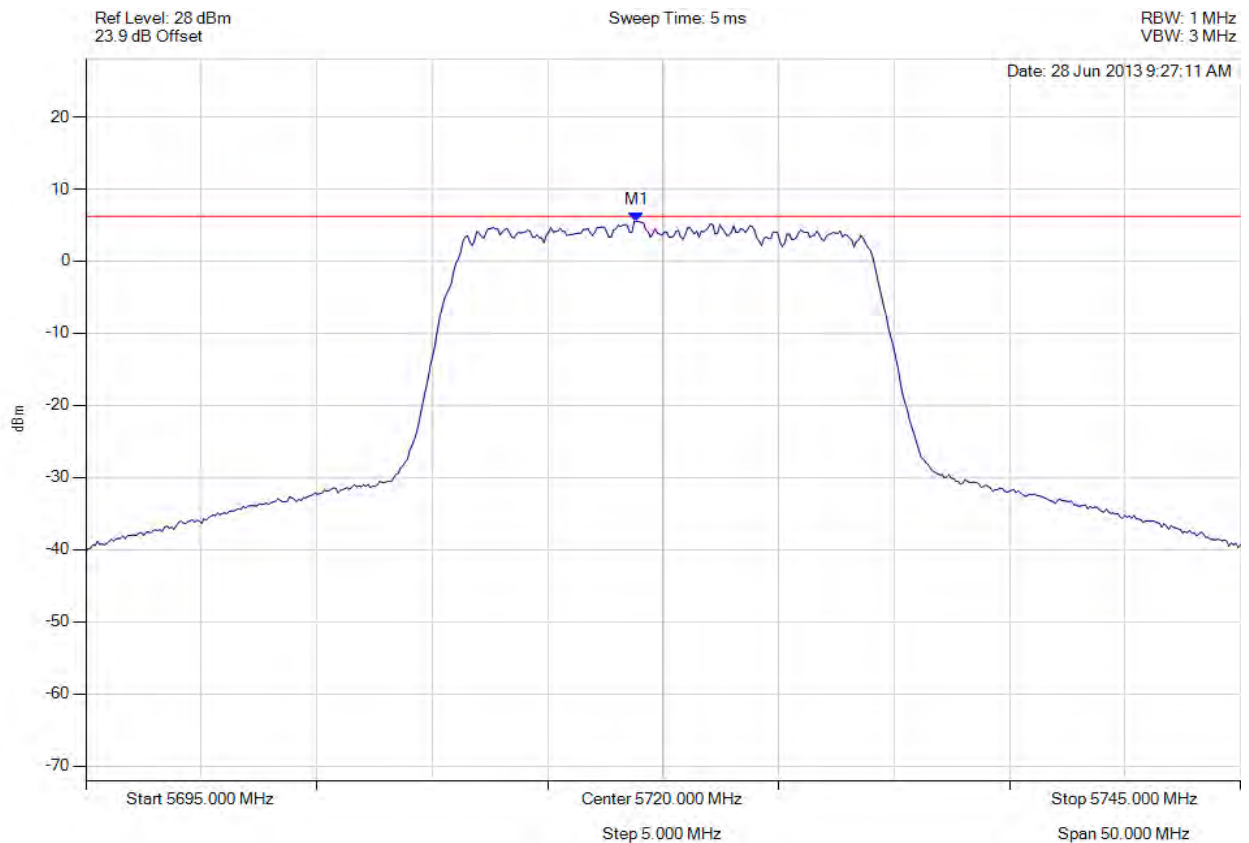


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



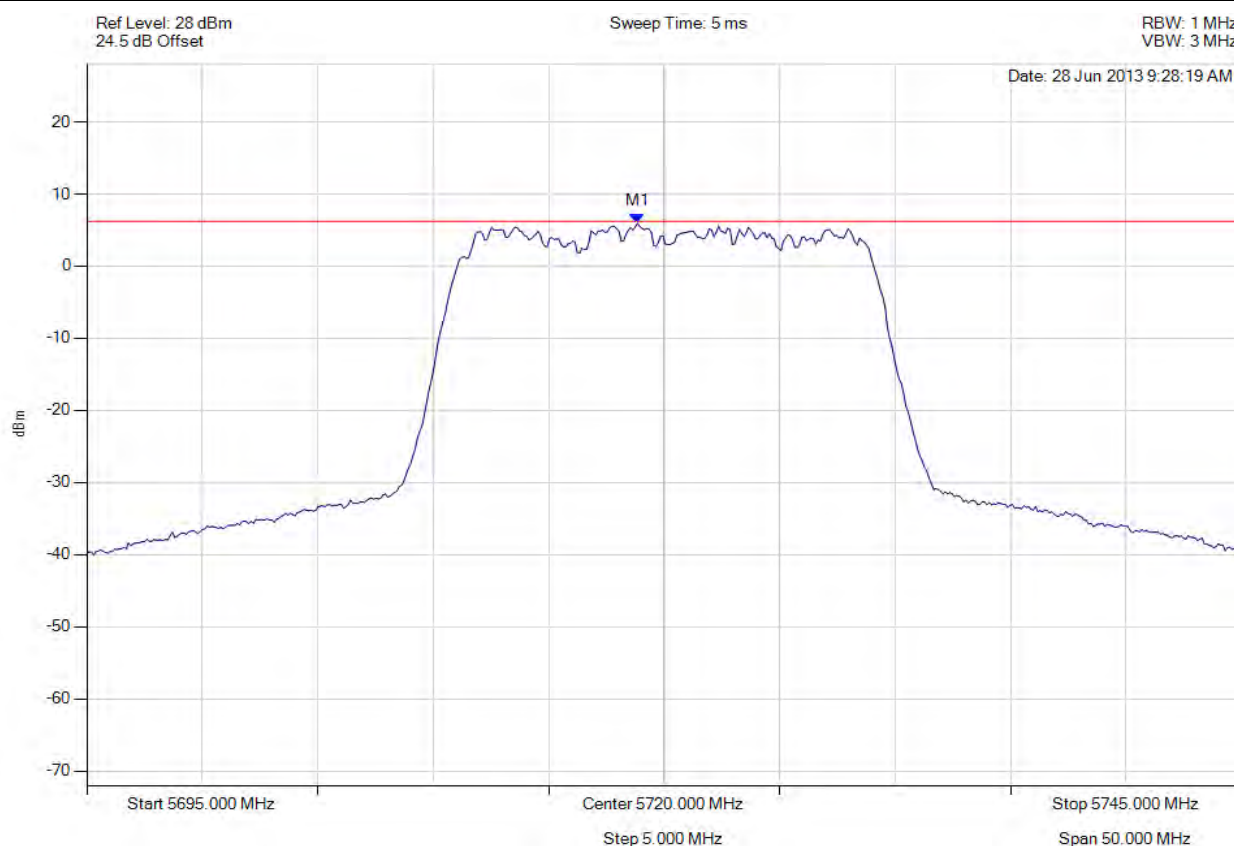
Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5718.848 MHz : 5.521 dBm	Limit: $\leq 6.200$ dBm Margin: $-0.68$ dB

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# PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5718.848 MHz : 5.929 dBm	Limit: $\leq 6.200$ dBm Margin: -0.27 dB

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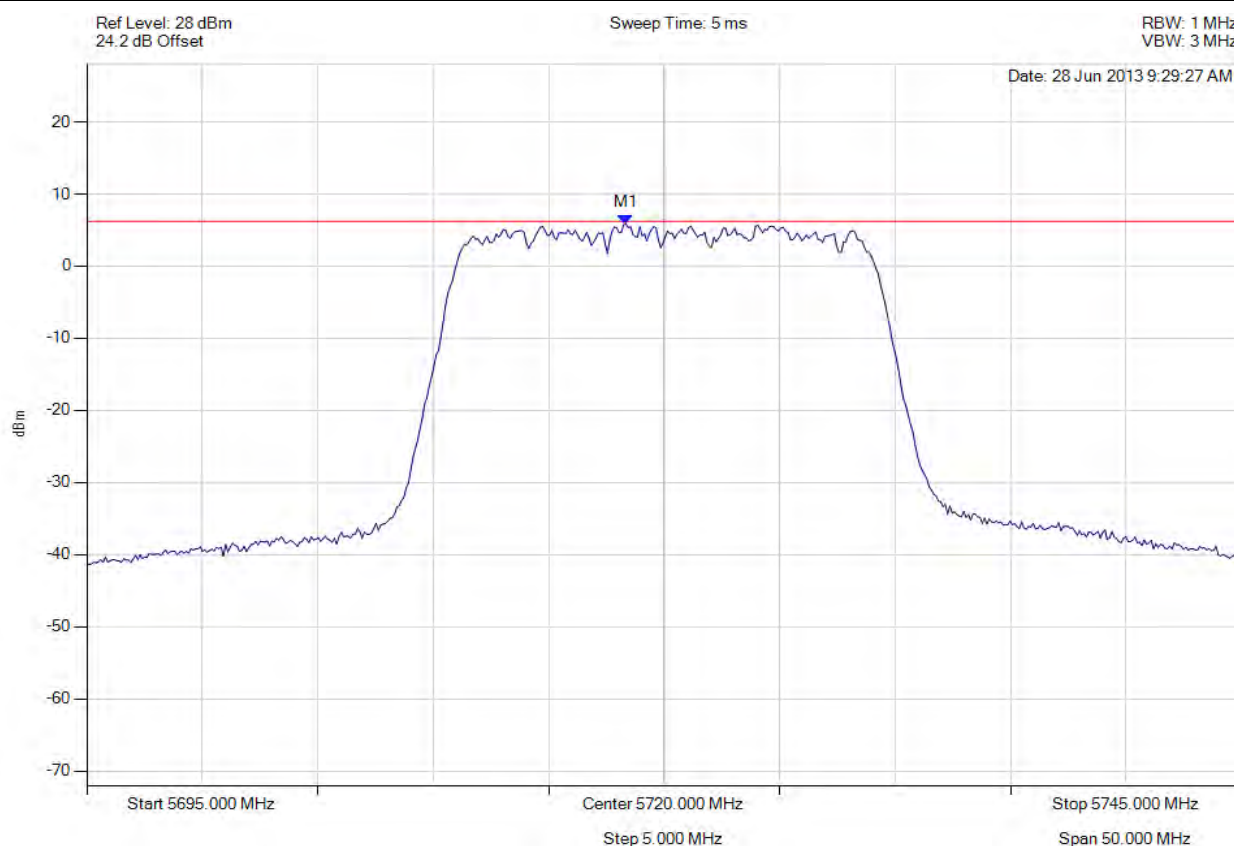


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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5718.347 MHz : 5.860 dBm	Limit: $\leq 6.200$ dBm Margin: -0.34 dB

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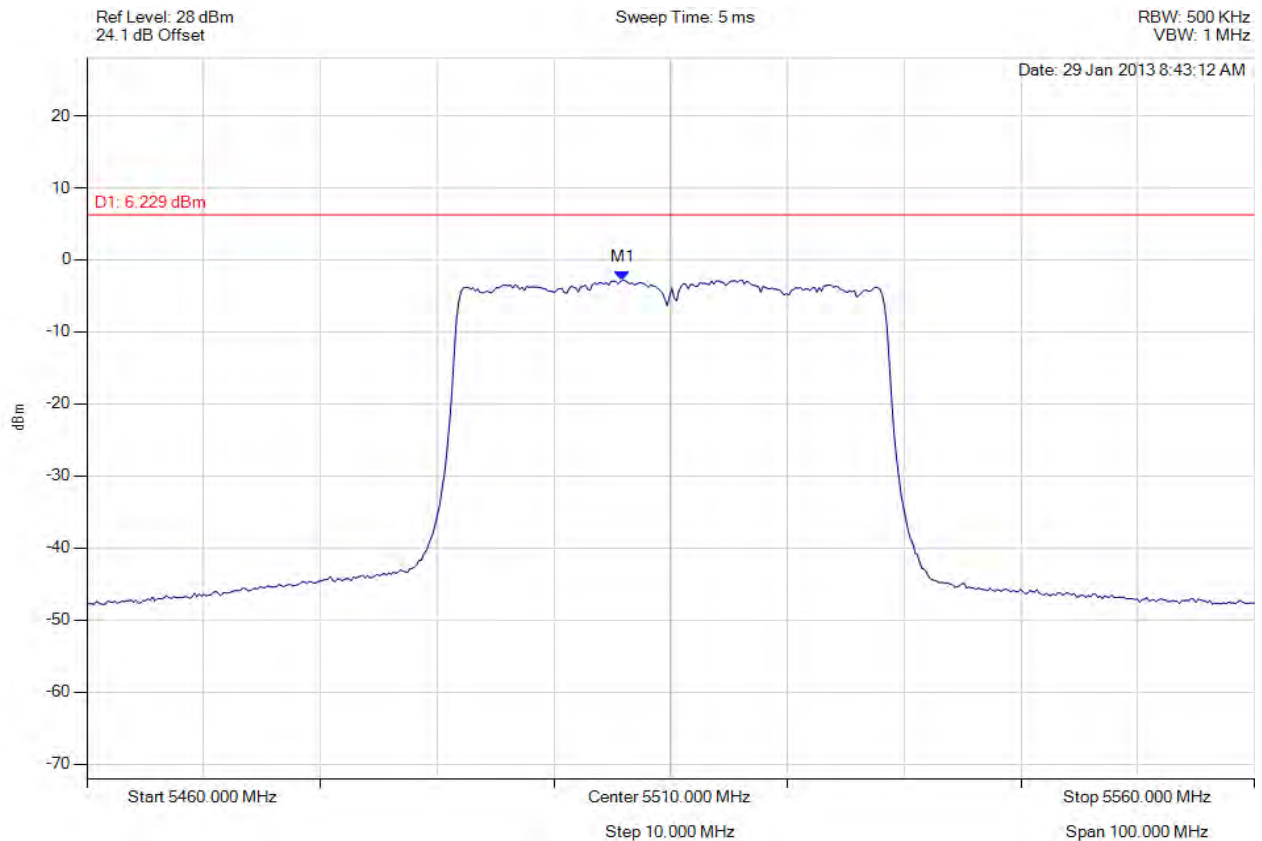


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.892 MHz : -2.793 dBm	Limit: $\leq 6.229$ dBm Margin: -9.02 dB

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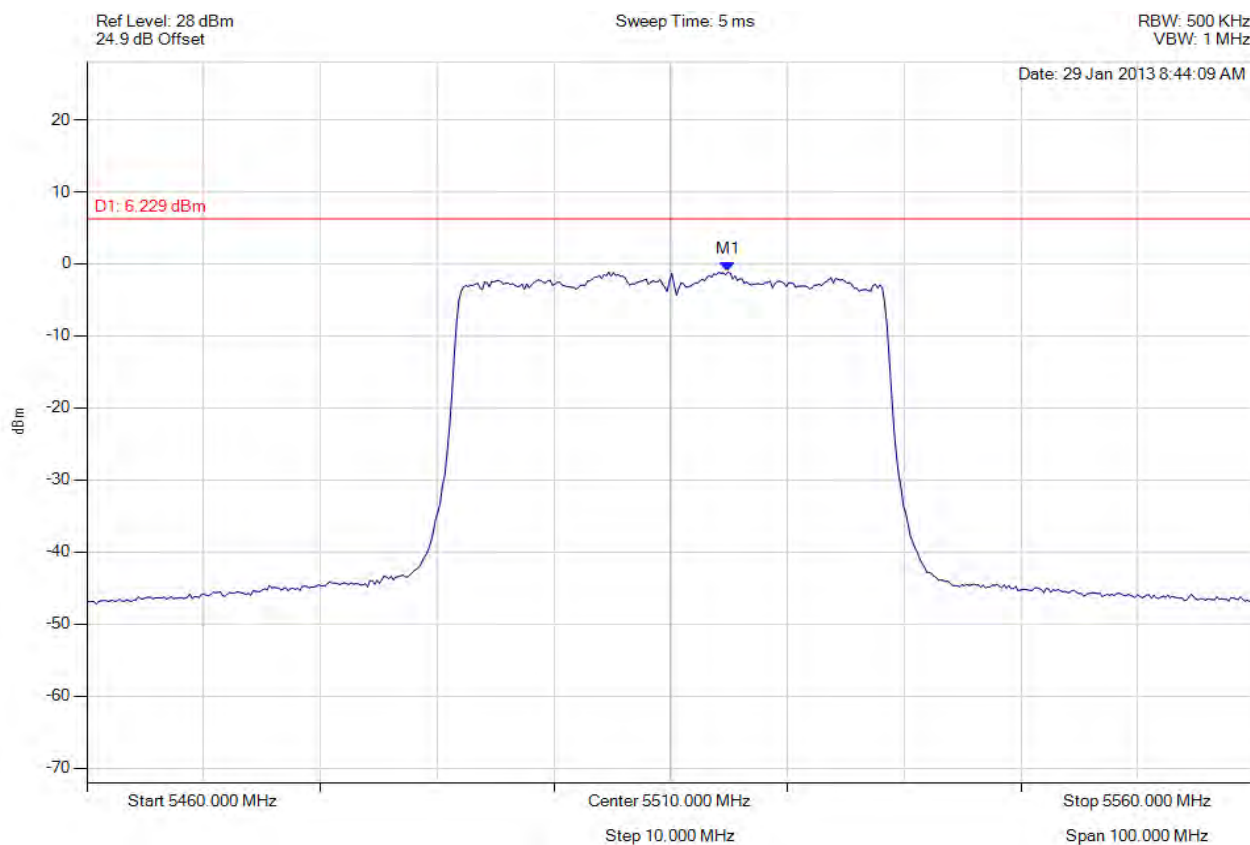


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5514.910 MHz : -1.107 dBm	Limit: $\leq 6.229$ dBm Margin: -7.34 dB

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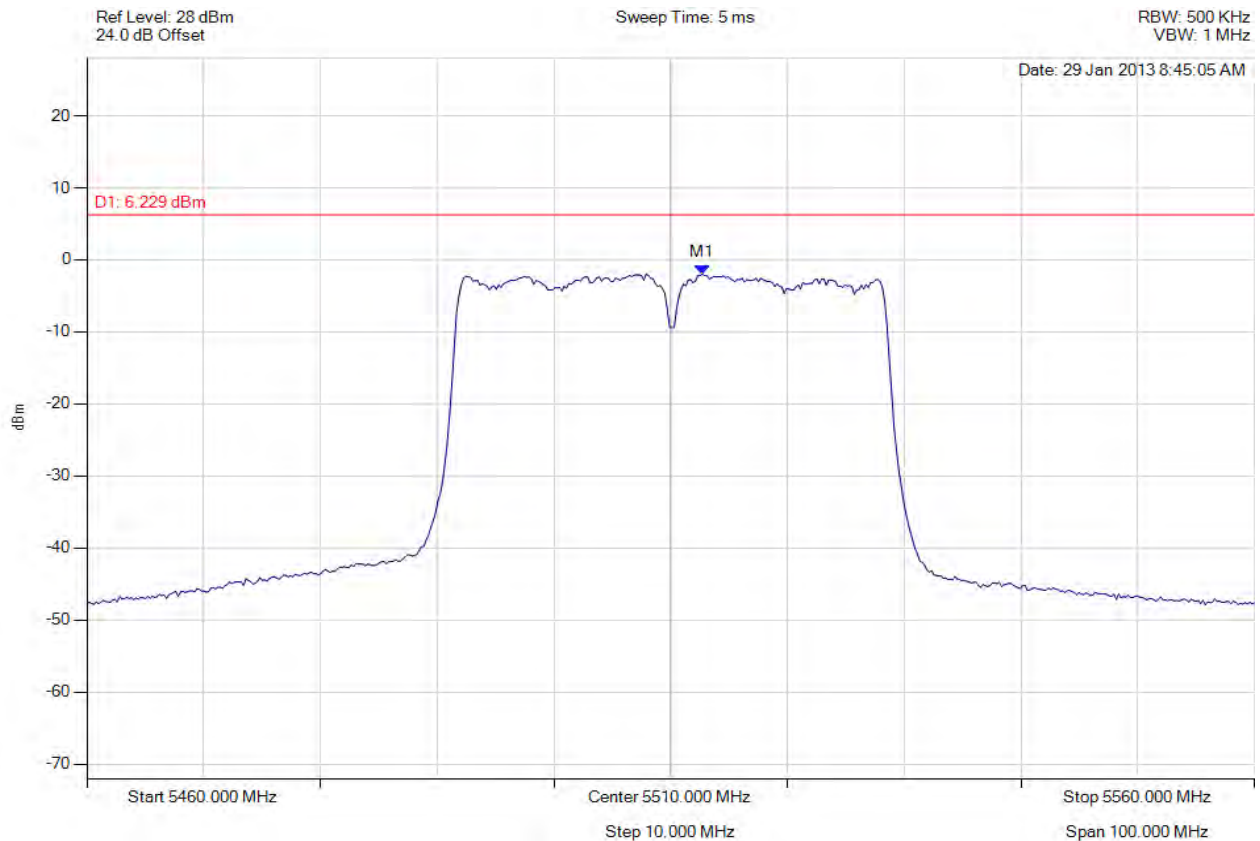


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5512.705 MHz : -1.989 dBm	Limit: $\leq 6.229$ dBm Margin: -8.22 dB

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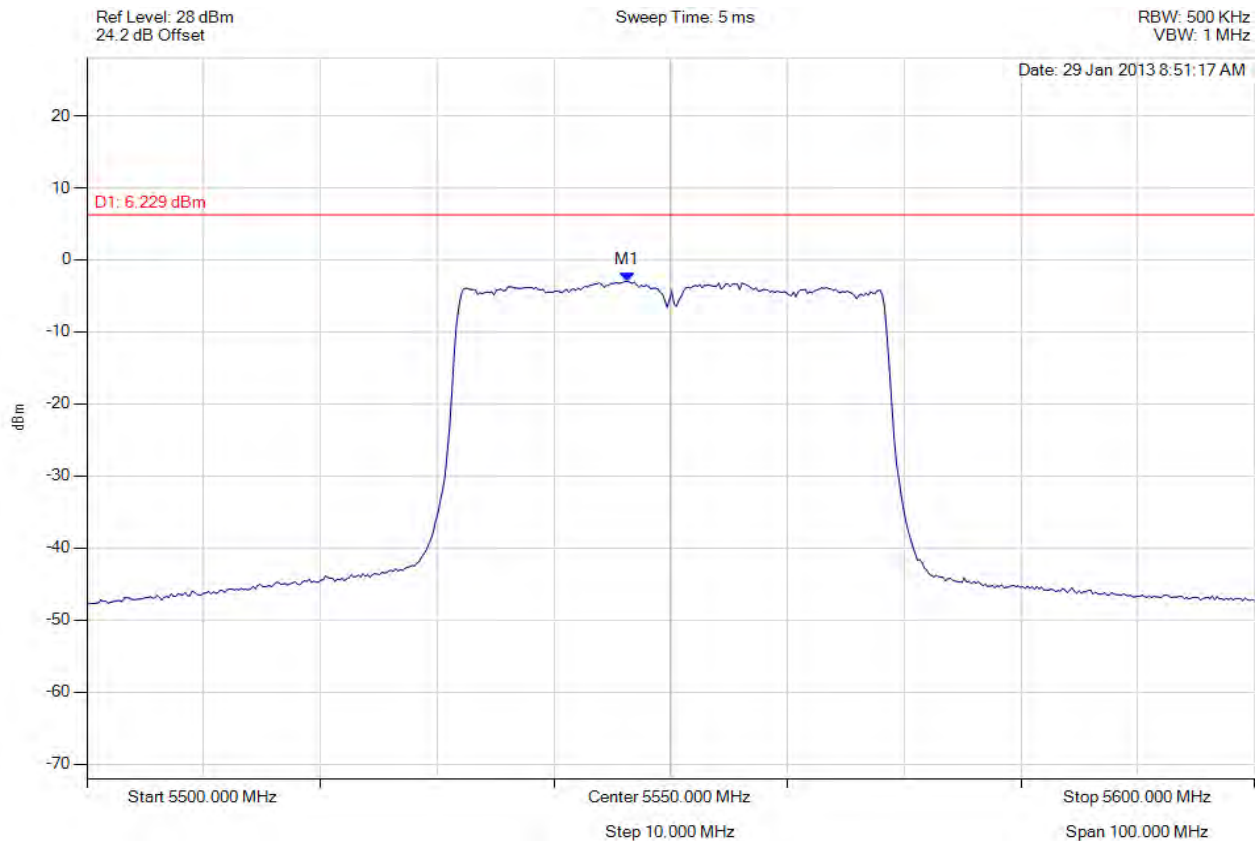


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5546.293 MHz : -2.991 dBm	Limit: $\leq 6.229$ dBm Margin: -9.22 dB

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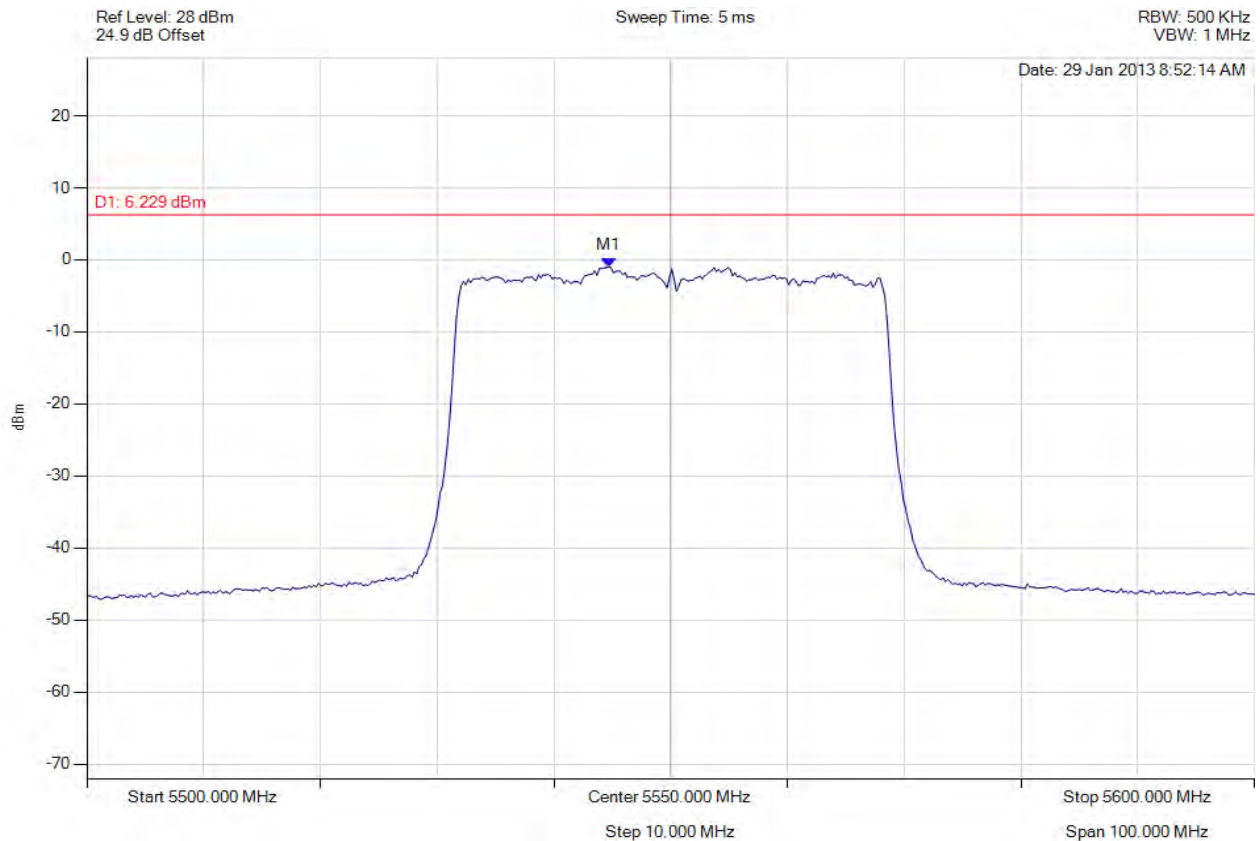


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5544.689 MHz : -0.979 dBm	Limit: $\leq 6.229$ dBm Margin: -7.21 dB

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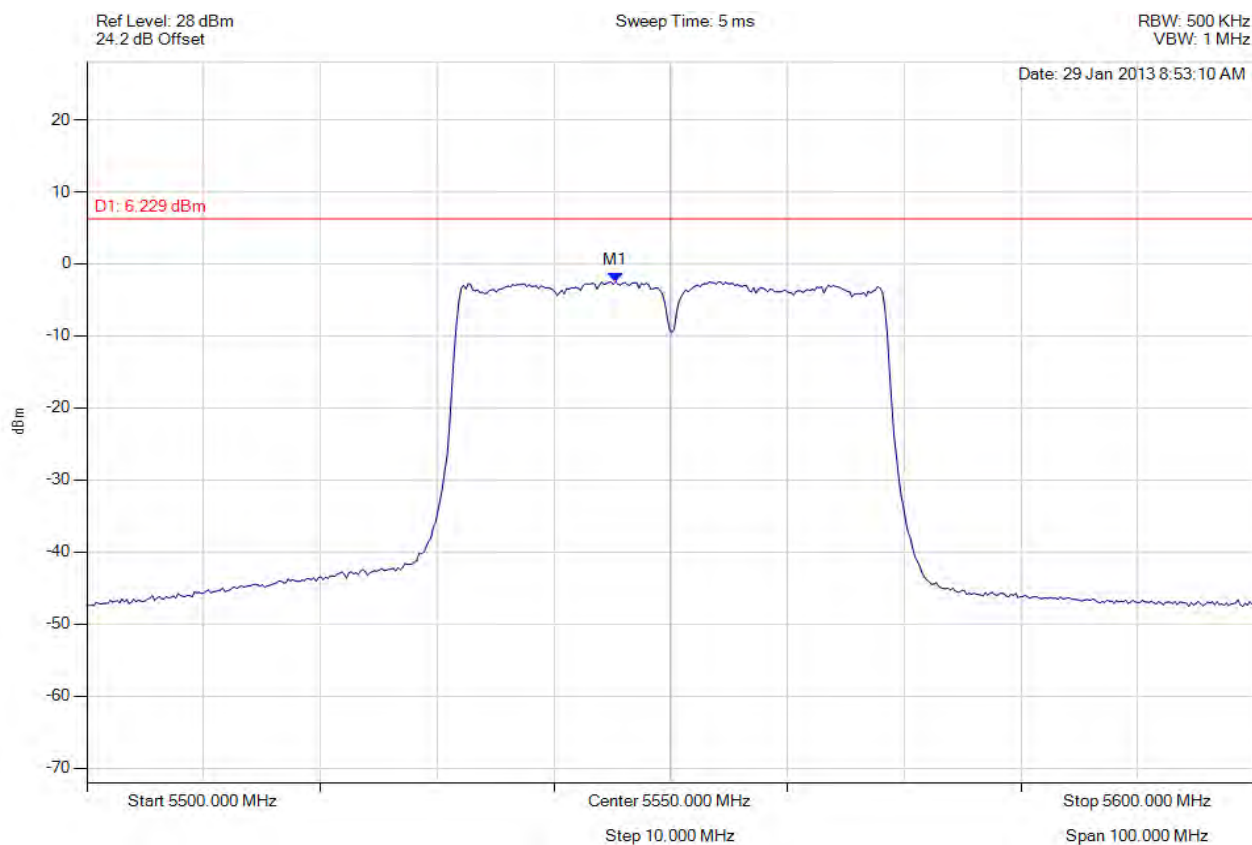


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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5545.291 MHz : -2.470 dBm	Limit: $\leq 6.229$ dBm Margin: -8.70 dB

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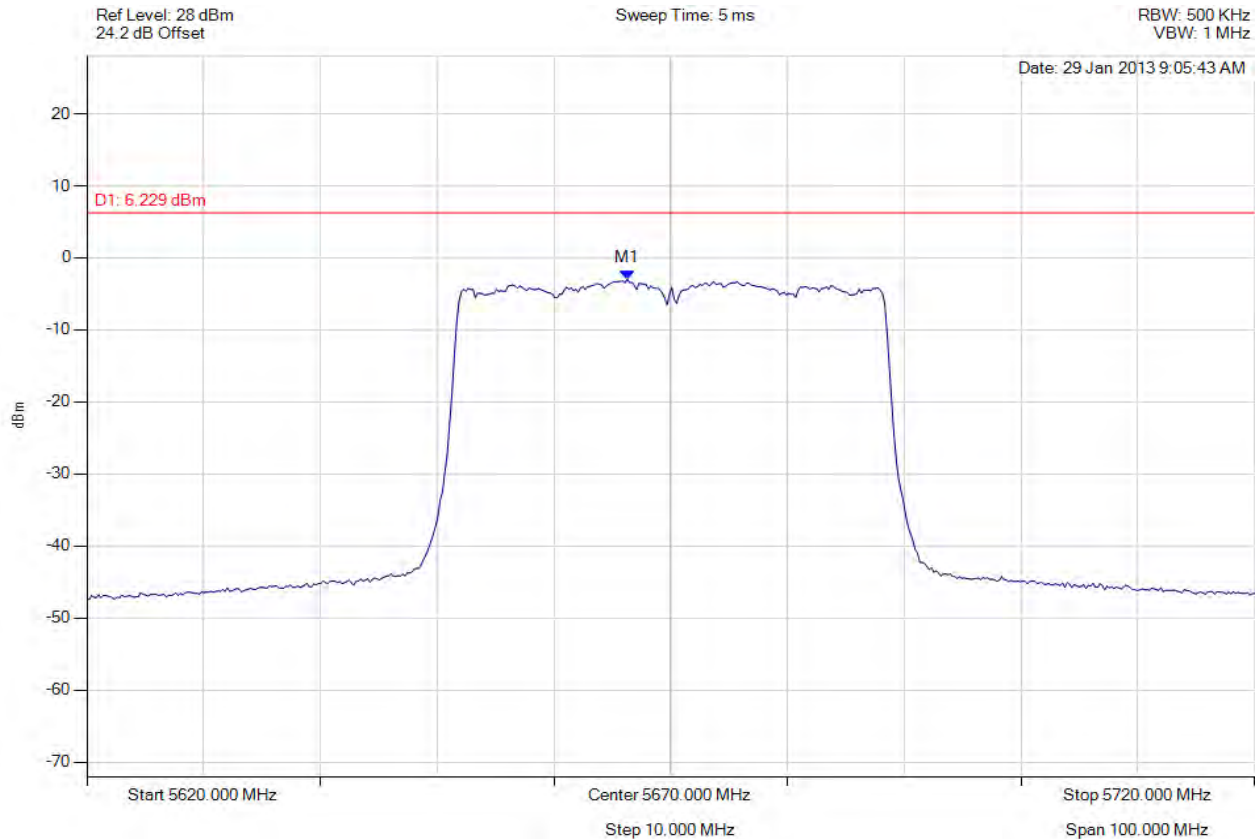


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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5666.293 MHz : -2.968 dBm	Limit: $\leq 6.229$ dBm Margin: -9.20 dB

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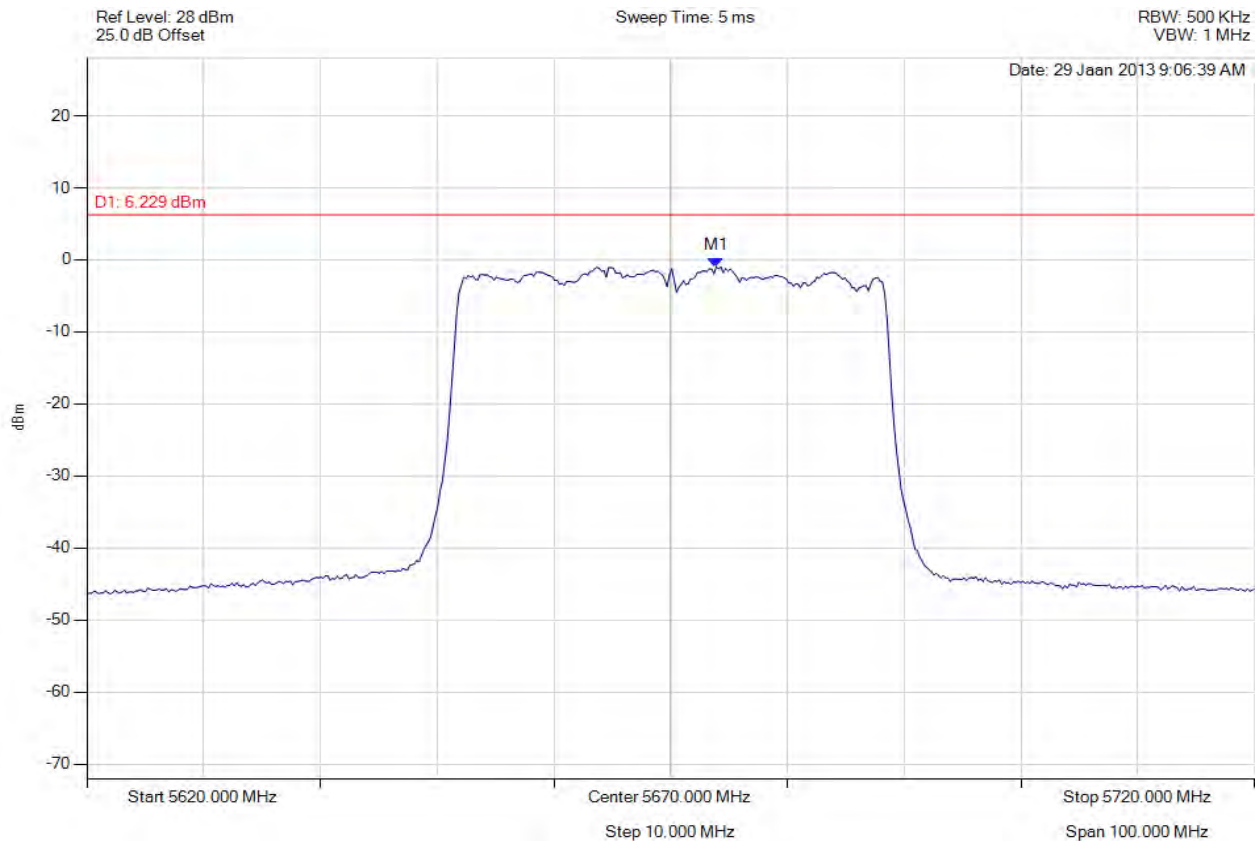


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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5673.908 MHz : -0.968 dBm	Limit: $\leq 6.229$ dBm Margin: -7.20 dB

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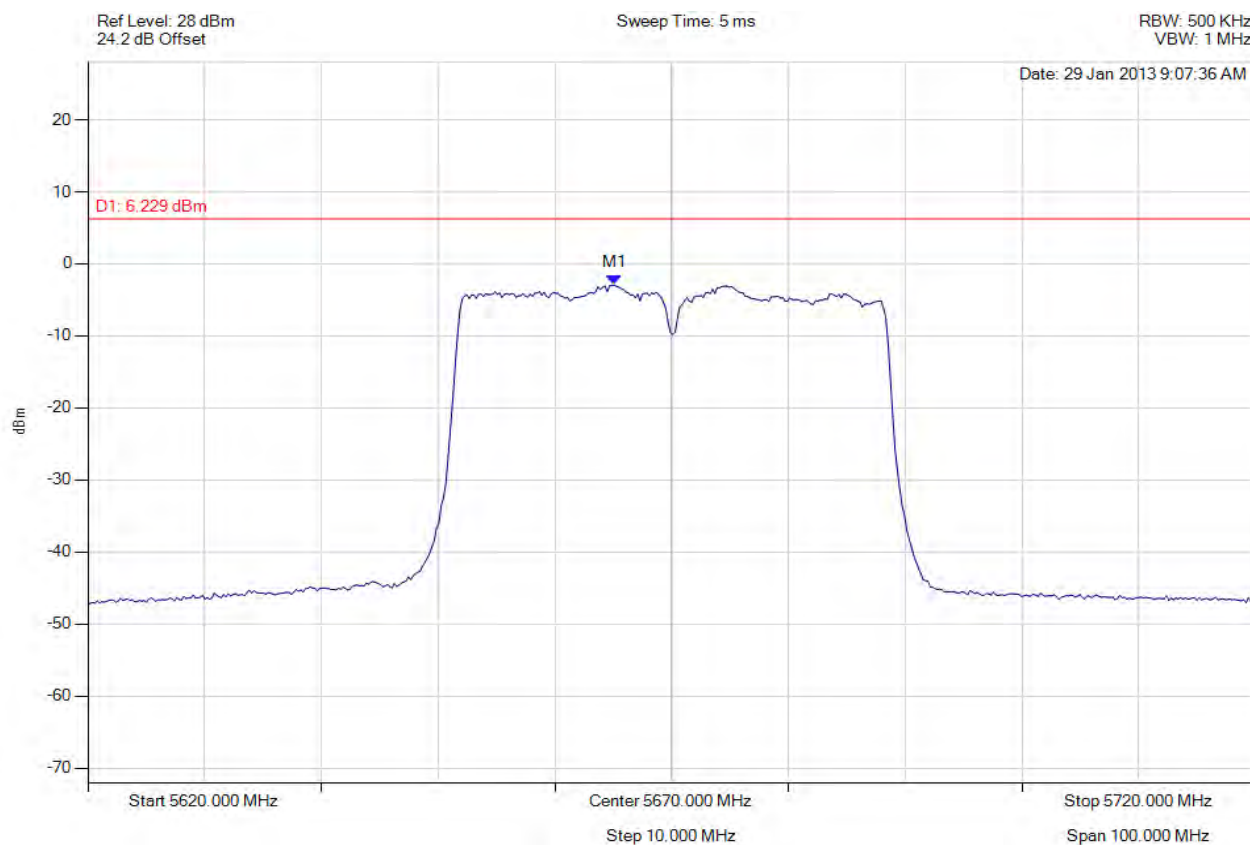


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5670.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5665.090 MHz : -2.929 dBm	Limit: $\leq 6.229$ dBm Margin: -9.16 dB

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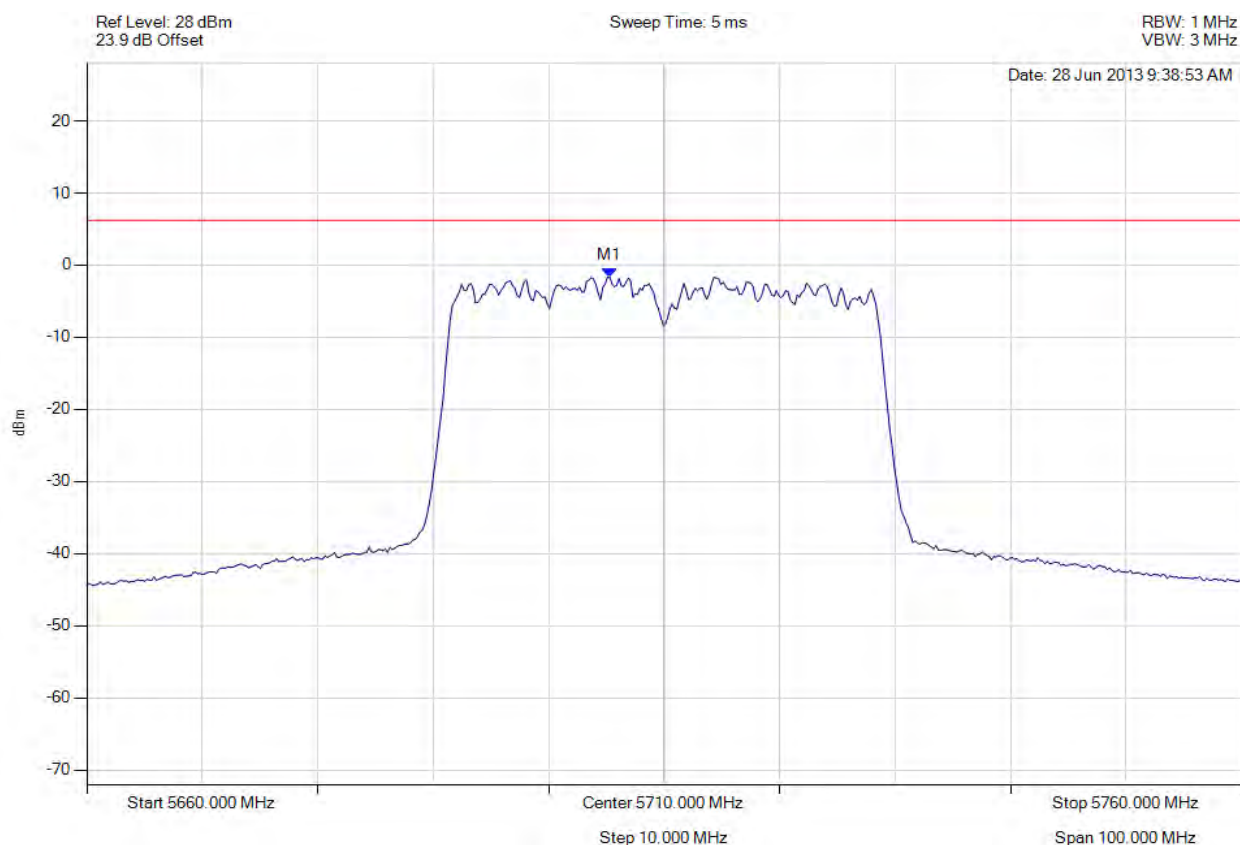


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5705.291 MHz : -1.661 dBm	Limit: $\leq 6.200$ dBm Margin: 7.86 dB

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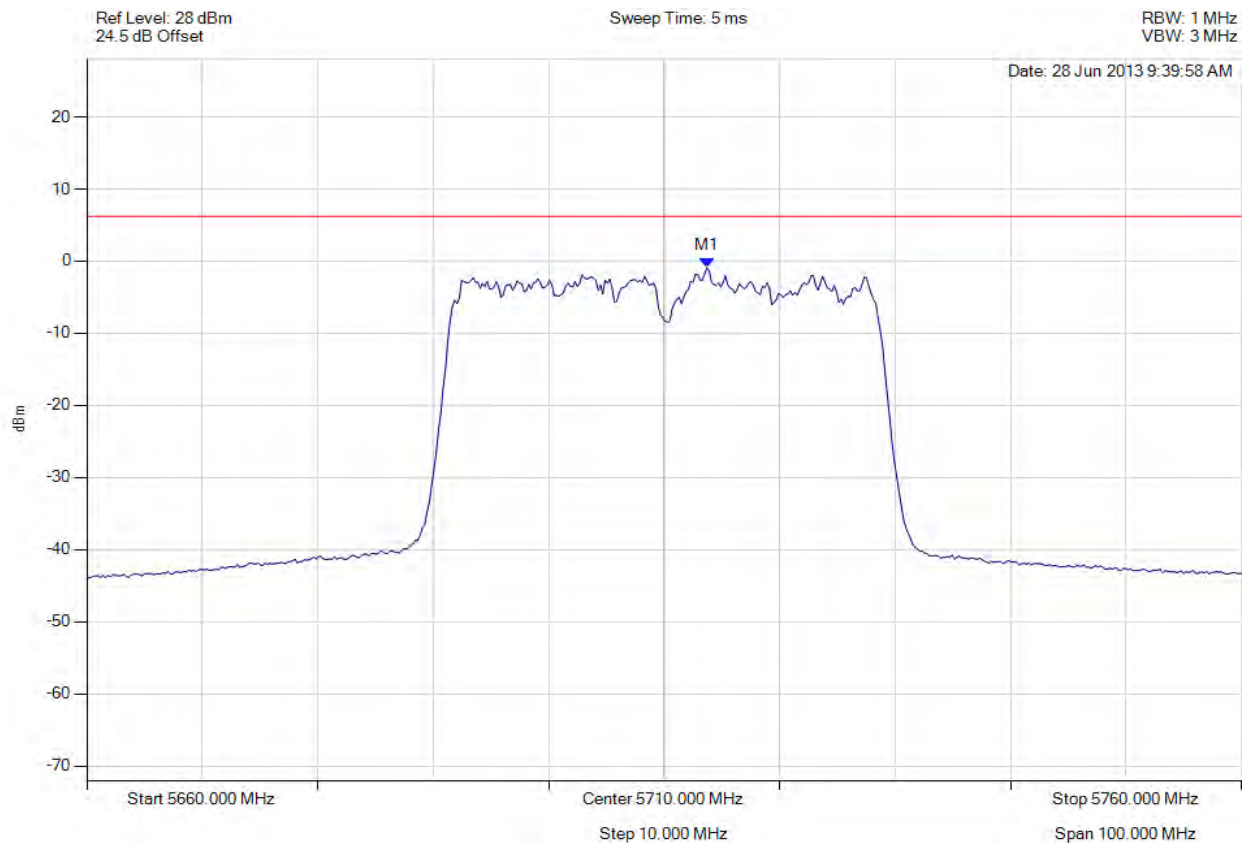


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.707 MHz : -0.932 dBm	Limit: $\leq 6.200$ dBm Margin: 7.13 dB

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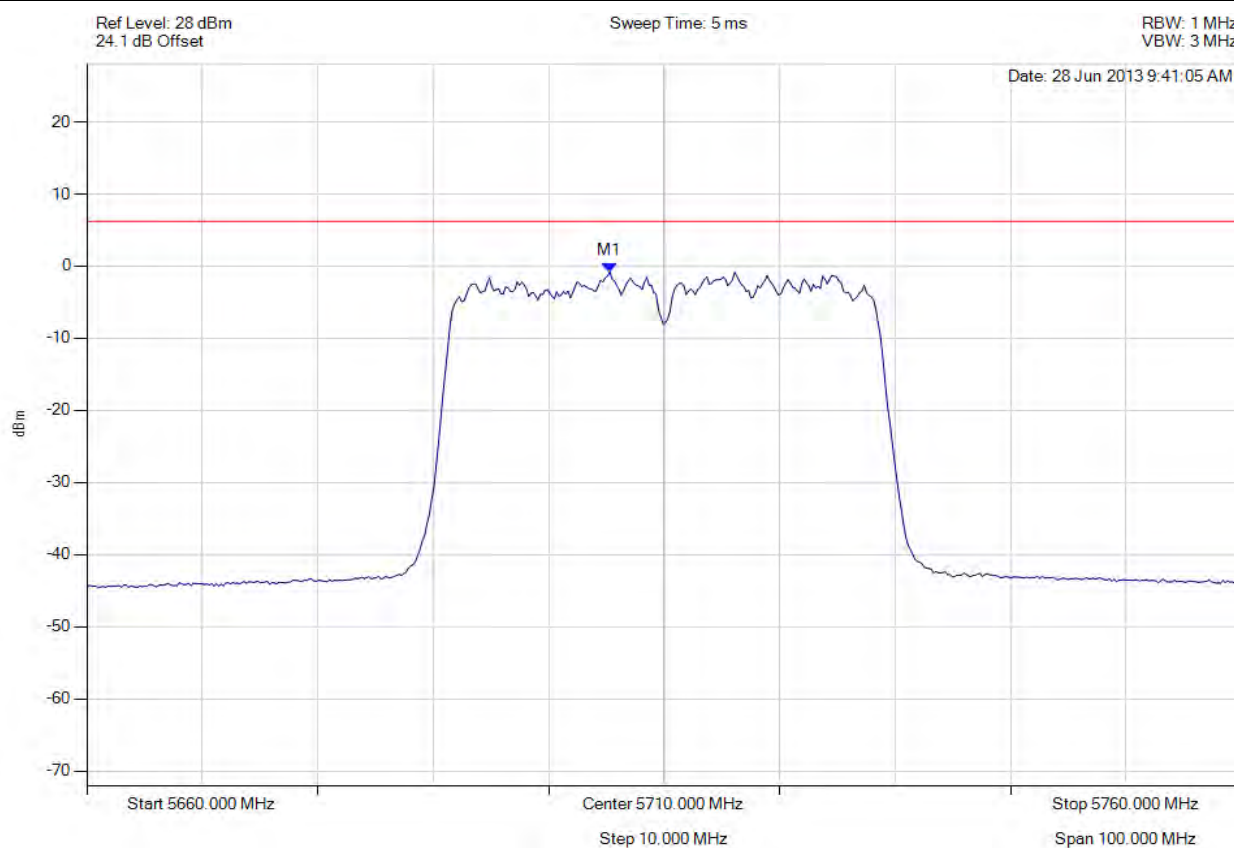


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5705.291 MHz : -0.830 dBm	Limit: $\leq 6.200$ dBm Margin: 7.03 dB

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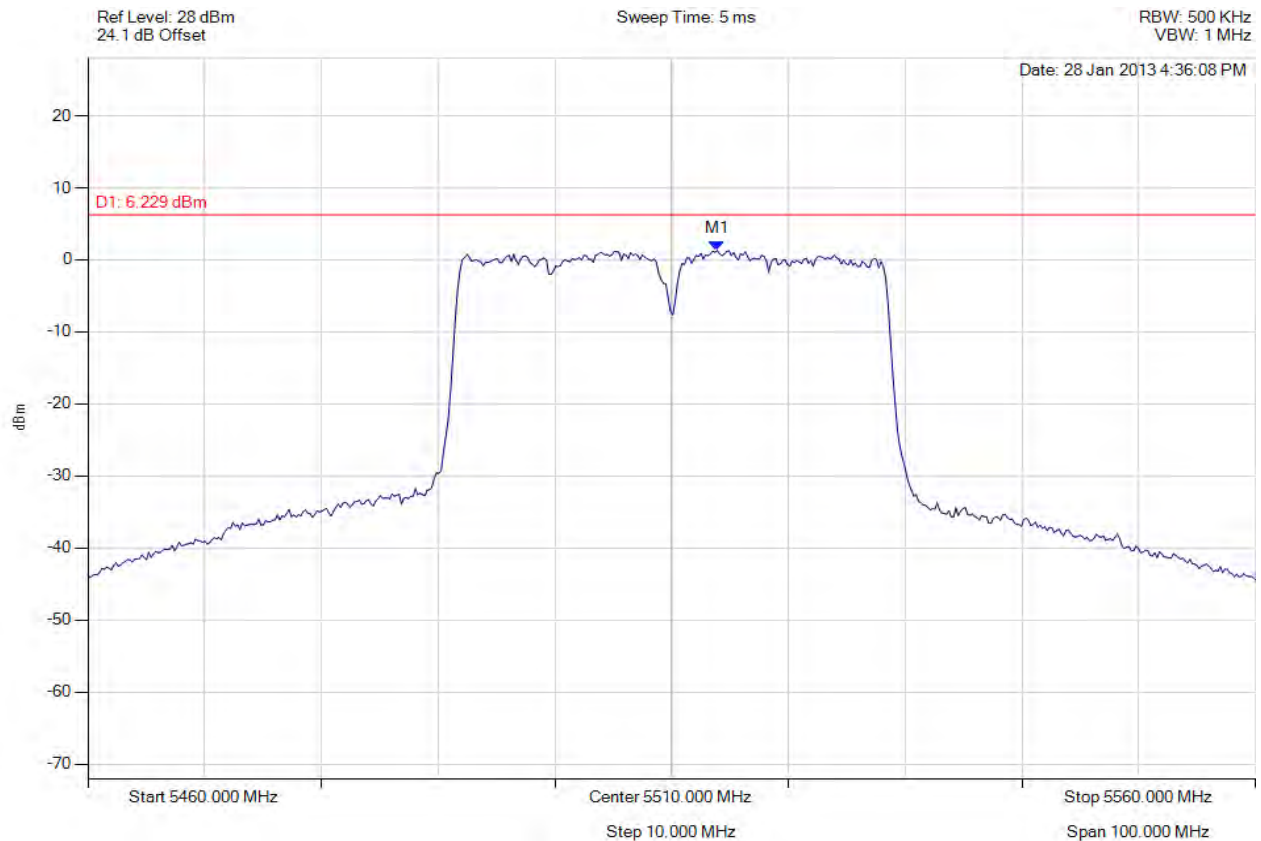


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5513.908 MHz : 1.275 dBm	Limit: $\leq 6.229$ dBm Margin: -4.95 dB

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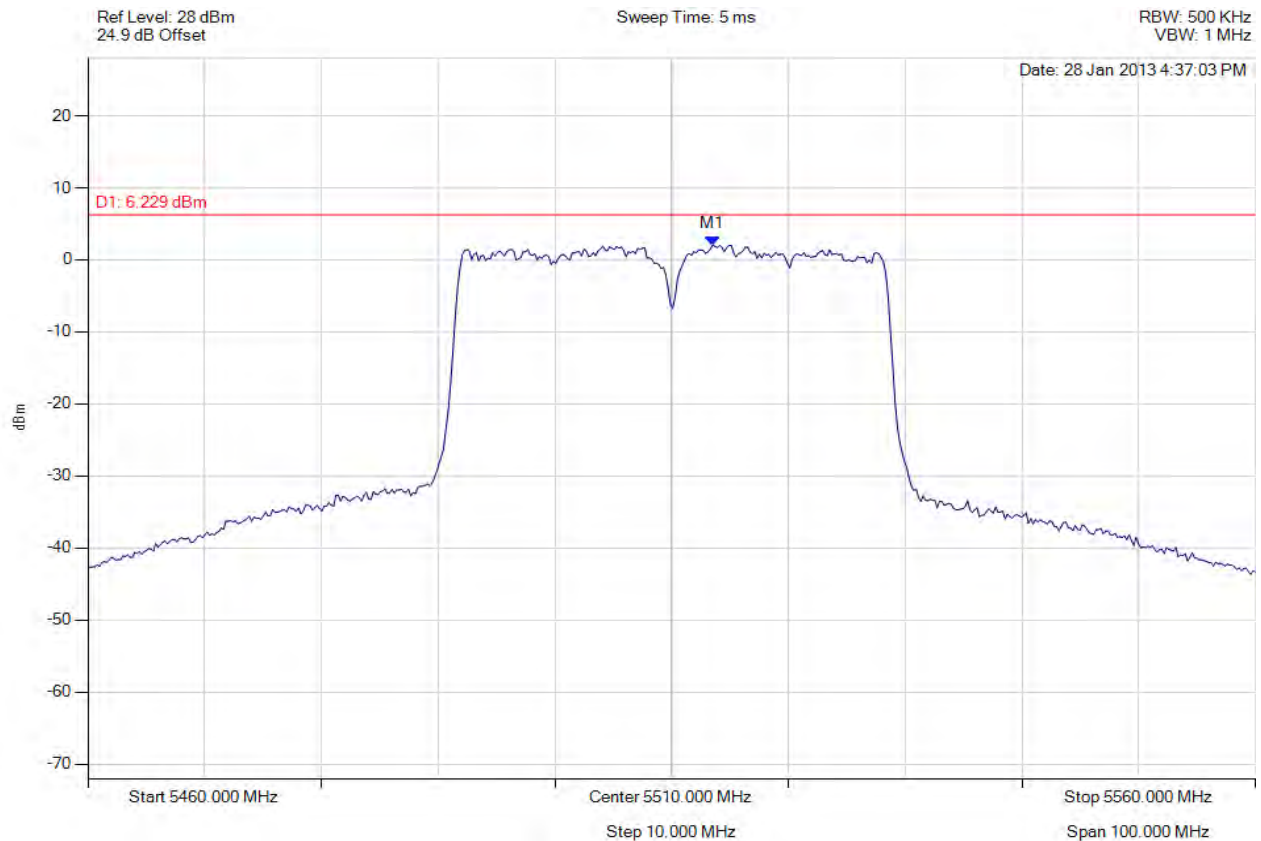


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5513.507 MHz : 2.038 dBm	Limit: $\leq 6.229$ dBm Margin: -4.19 dB

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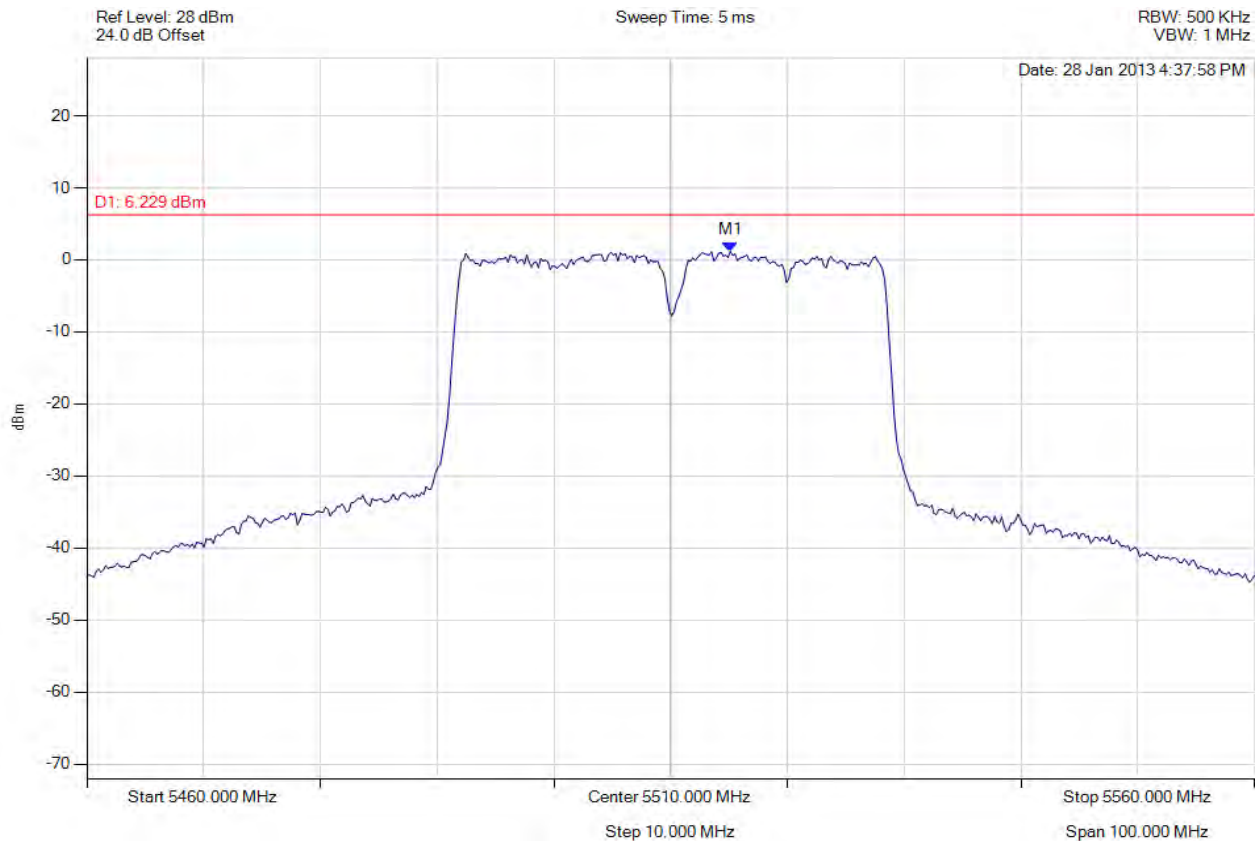


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5515.110 MHz : 1.147 dBm	Limit: $\leq 6.229$ dBm Margin: -5.08 dB

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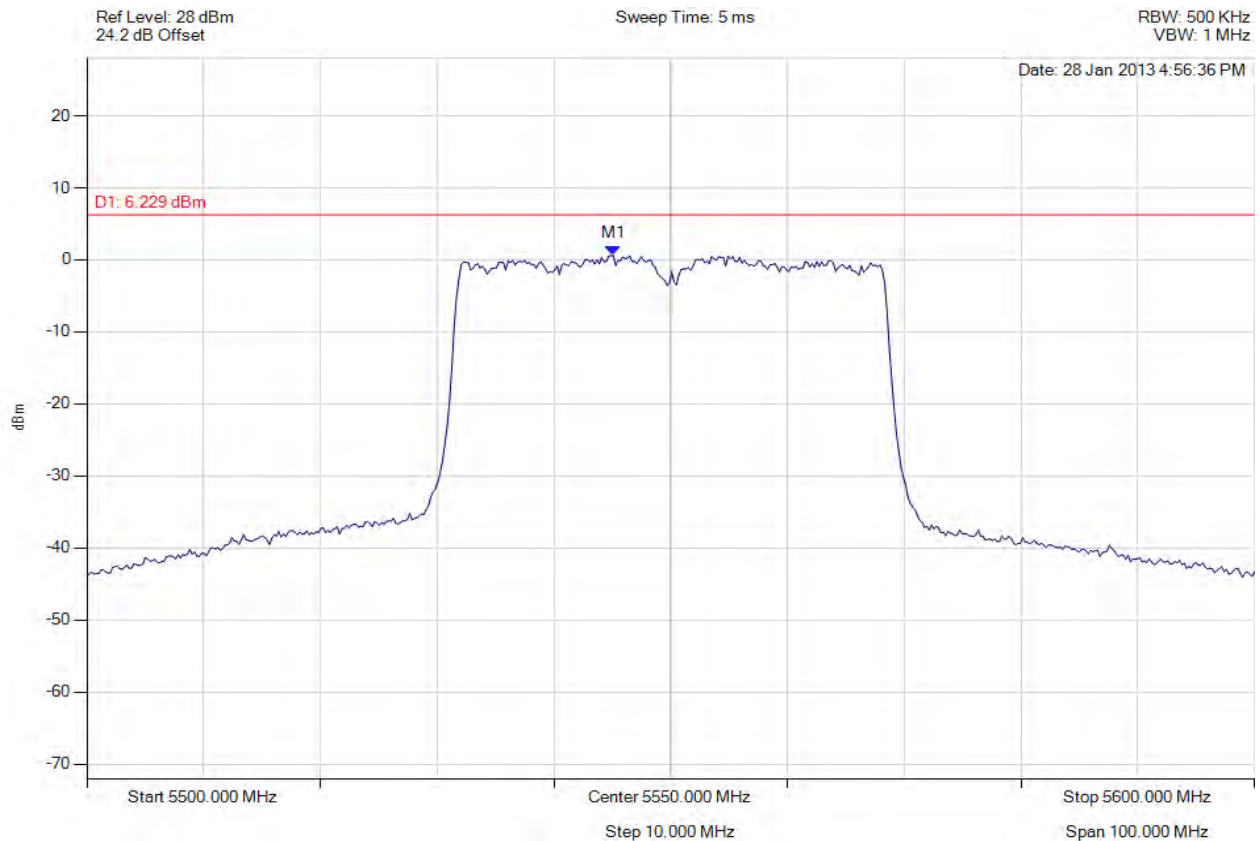


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5545.090 MHz : 0.615 dBm	Limit: $\leq 6.229$ dBm Margin: -5.61 dB

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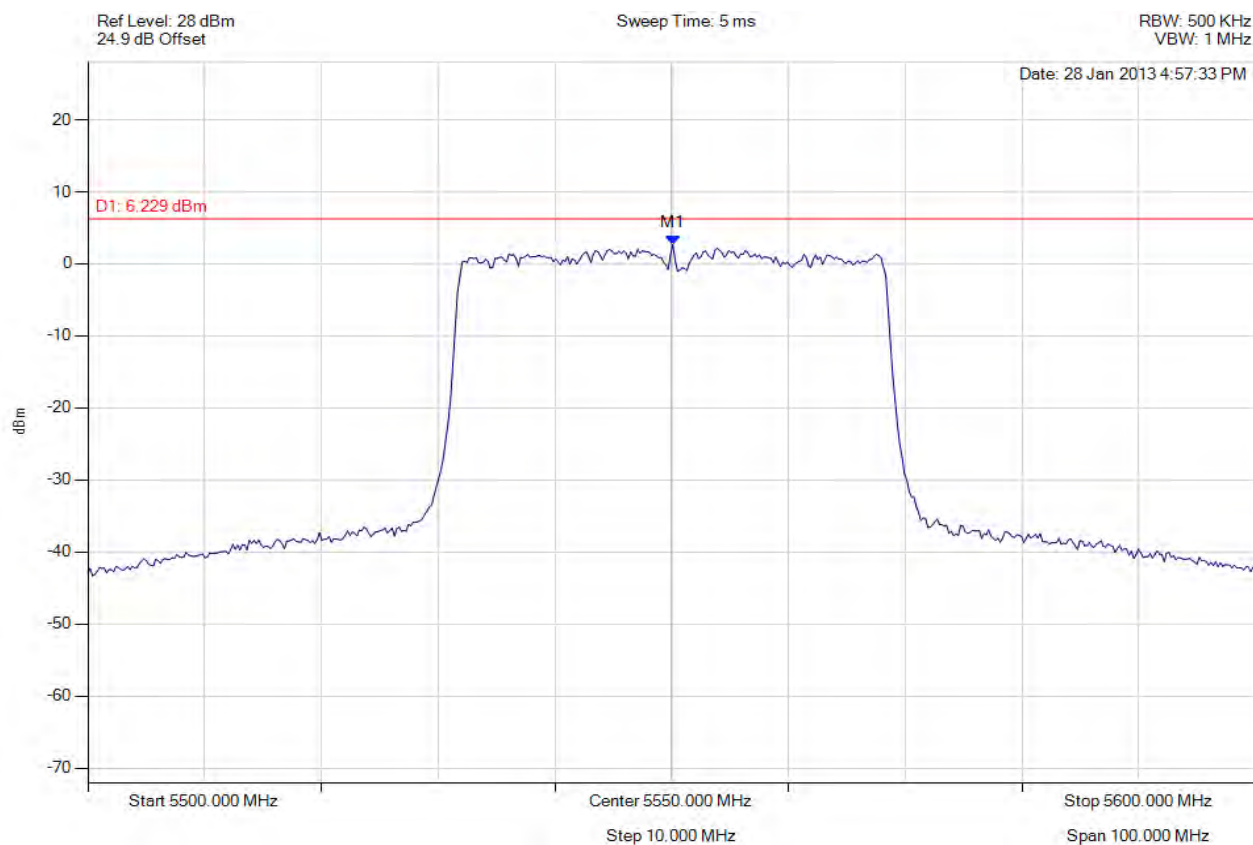


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5550.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5550.100 MHz : 2.664 dBm	Limit: $\leq 6.229$ dBm Margin: -3.56 dB

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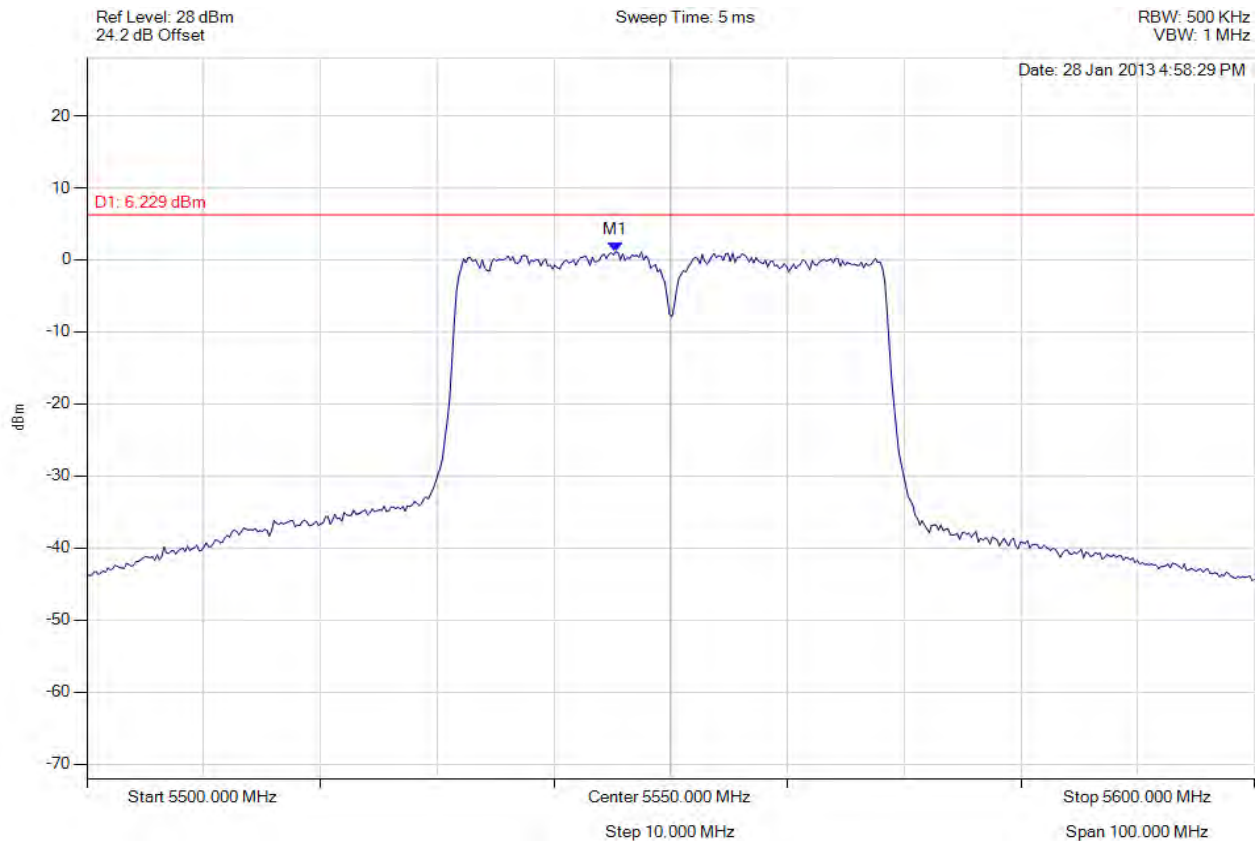


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5550.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5545.291 MHz : 1.126 dBm	Limit: $\leq 6.229$ dBm Margin: -5.10 dB

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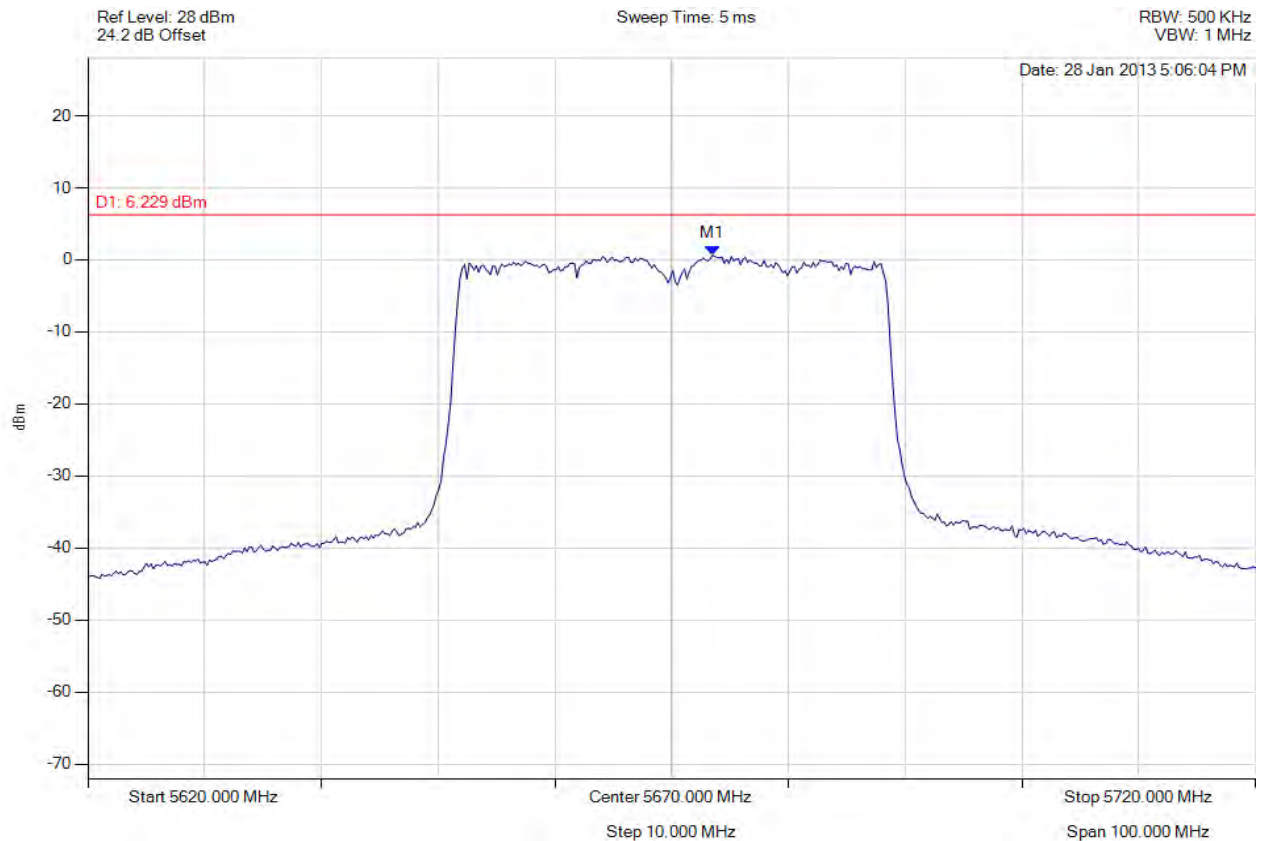


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain a, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5673.507 MHz : 0.659 dBm	Limit: $\leq 6.229$ dBm Margin: -5.57 dB

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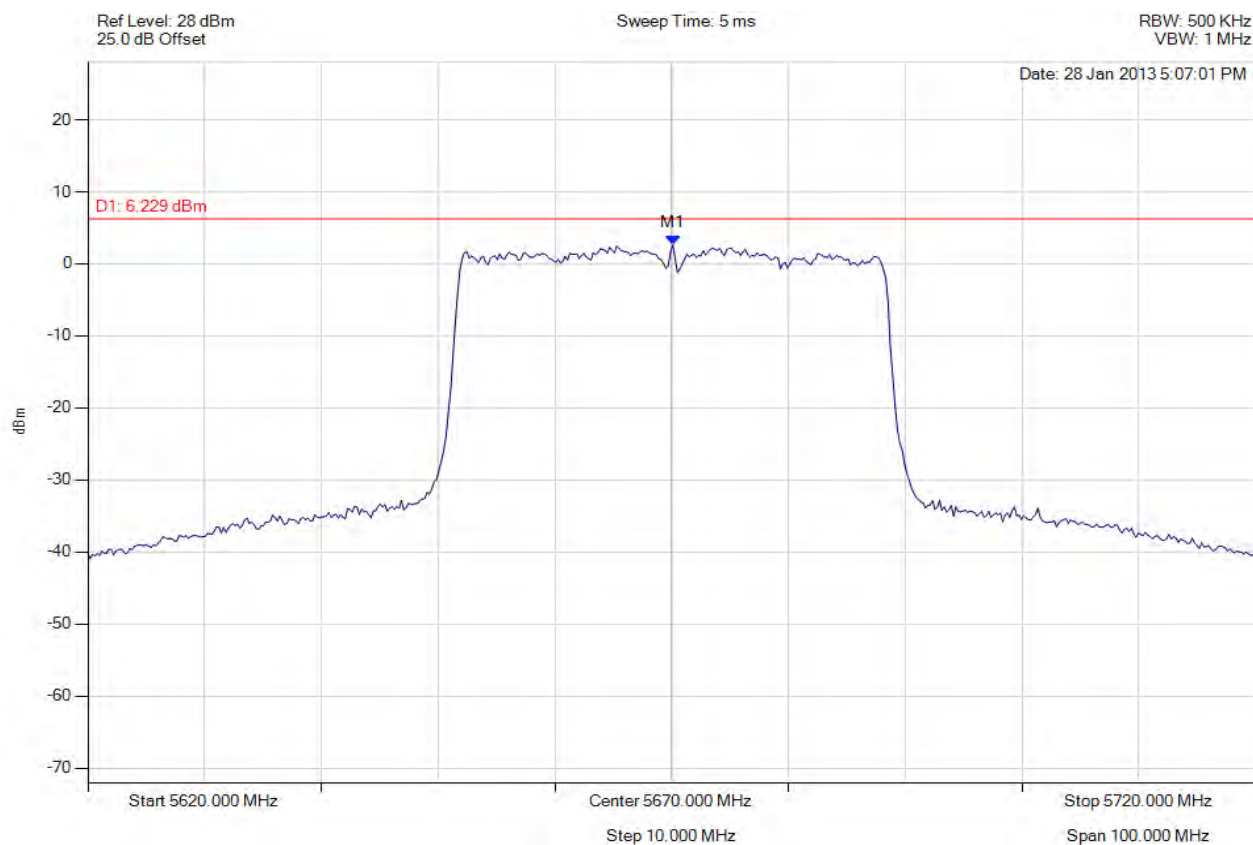


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain b, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5670.100 MHz : 2.632 dBm	Limit: $\leq 6.229$ dBm Margin: -3.60 dB

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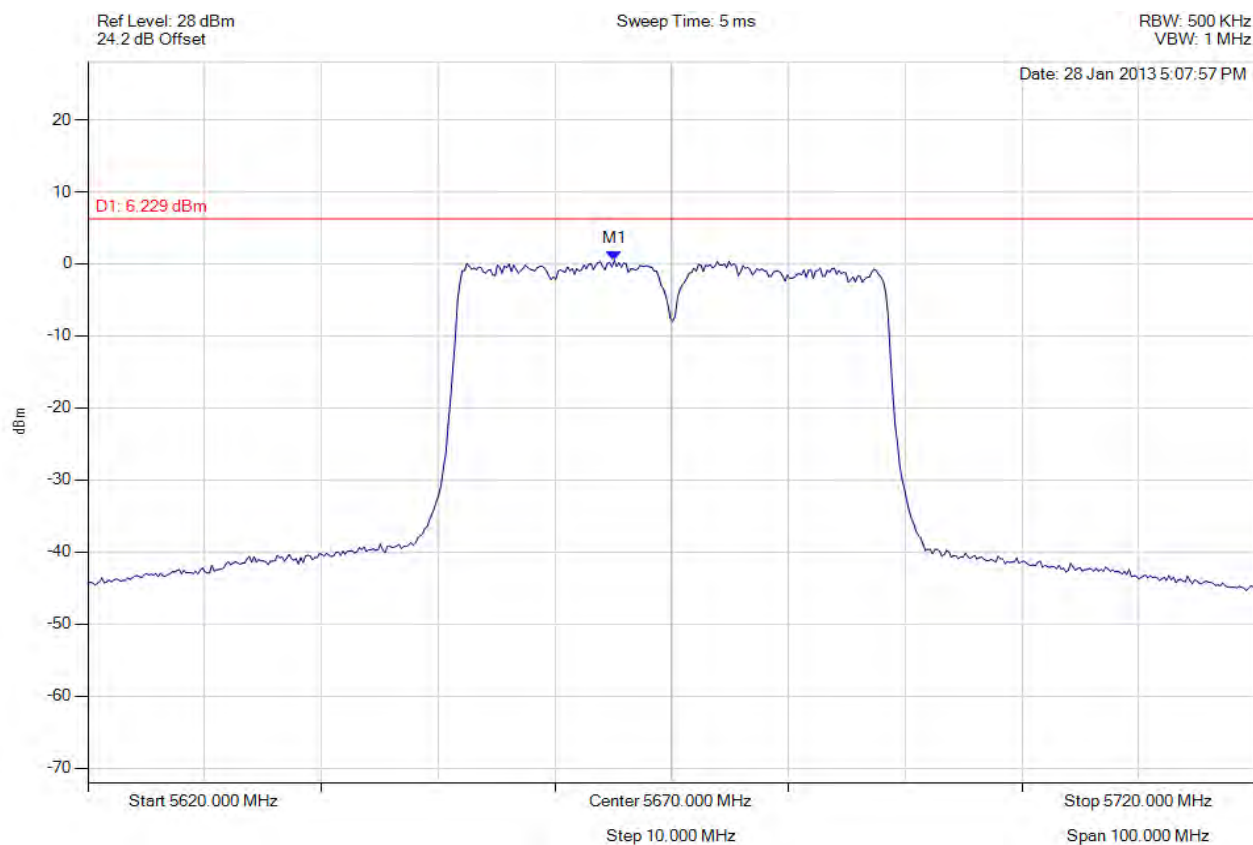


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

Variant: 802.11ac-40, Channel: 5670.00 MHz, Chain c, Temp: Ambient, Voltage: 12 Vdc



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5665.090 MHz : 0.484 dBm	Limit: $\leq 6.229$ dBm Margin: -5.74 dB

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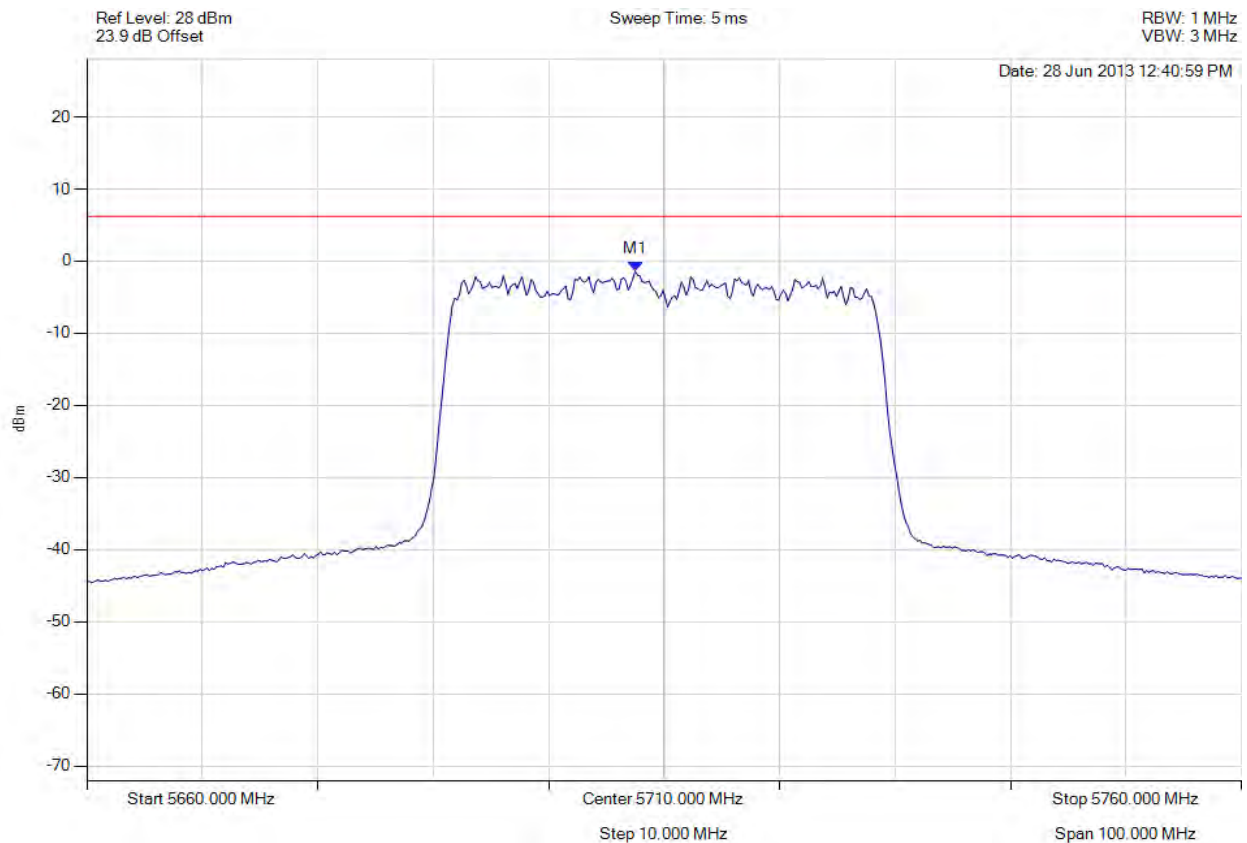


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.495 MHz : -1.356 dBm	Limit: $\leq 6.200$ dBm Margin: 7.56 dB

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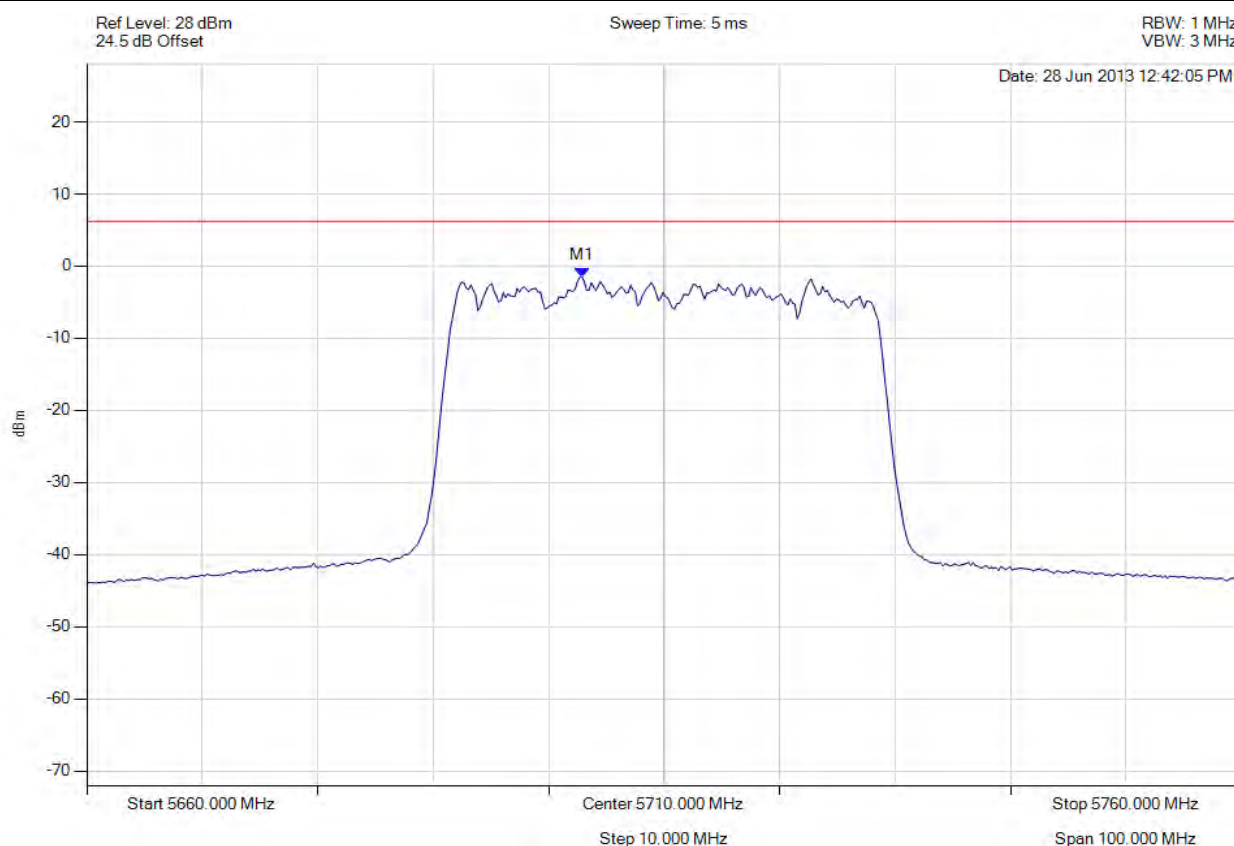


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5702.886 MHz : -1.488 dBm	Limit: $\leq 6.200$ dBm Margin: 7.69 dB

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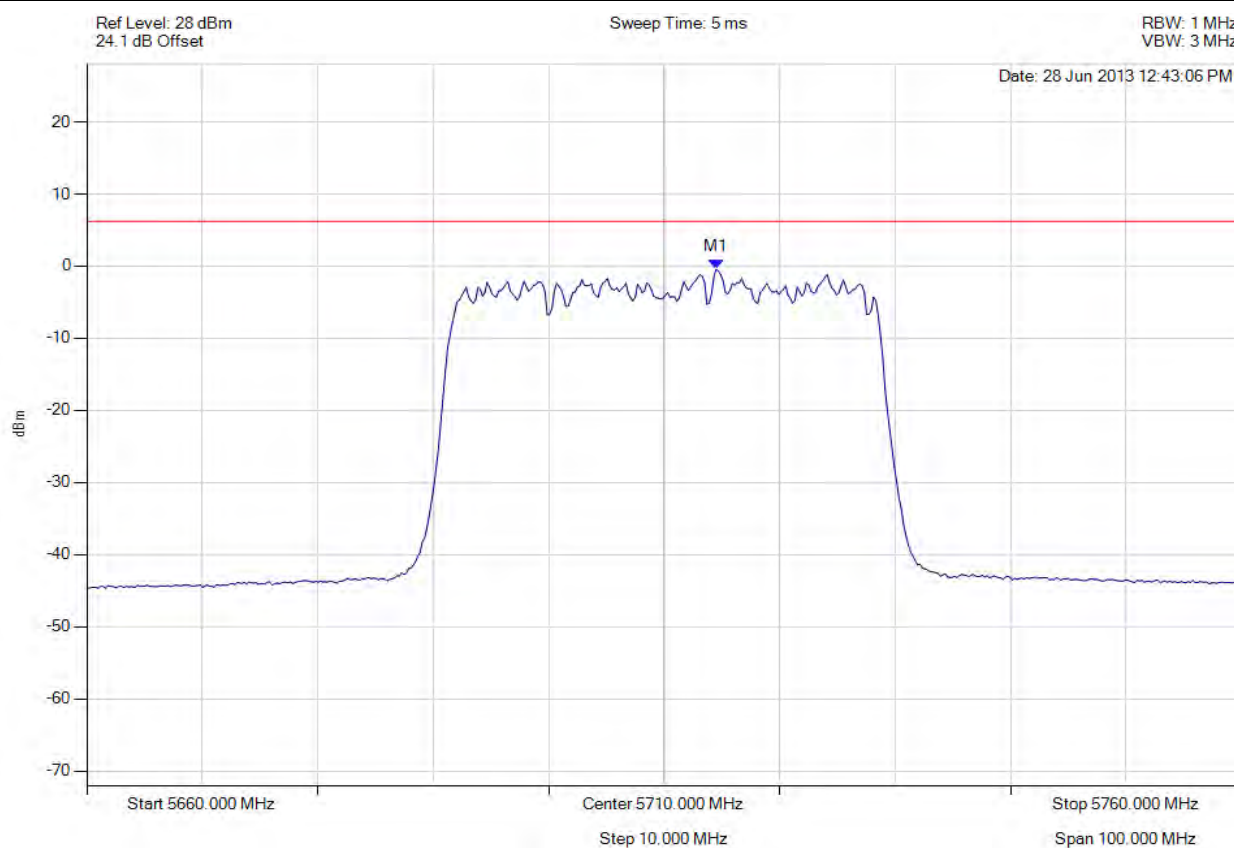


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5714.509 MHz : -0.447 dBm	Limit: $\leq 6.200$ dBm Margin: 6.65 dB

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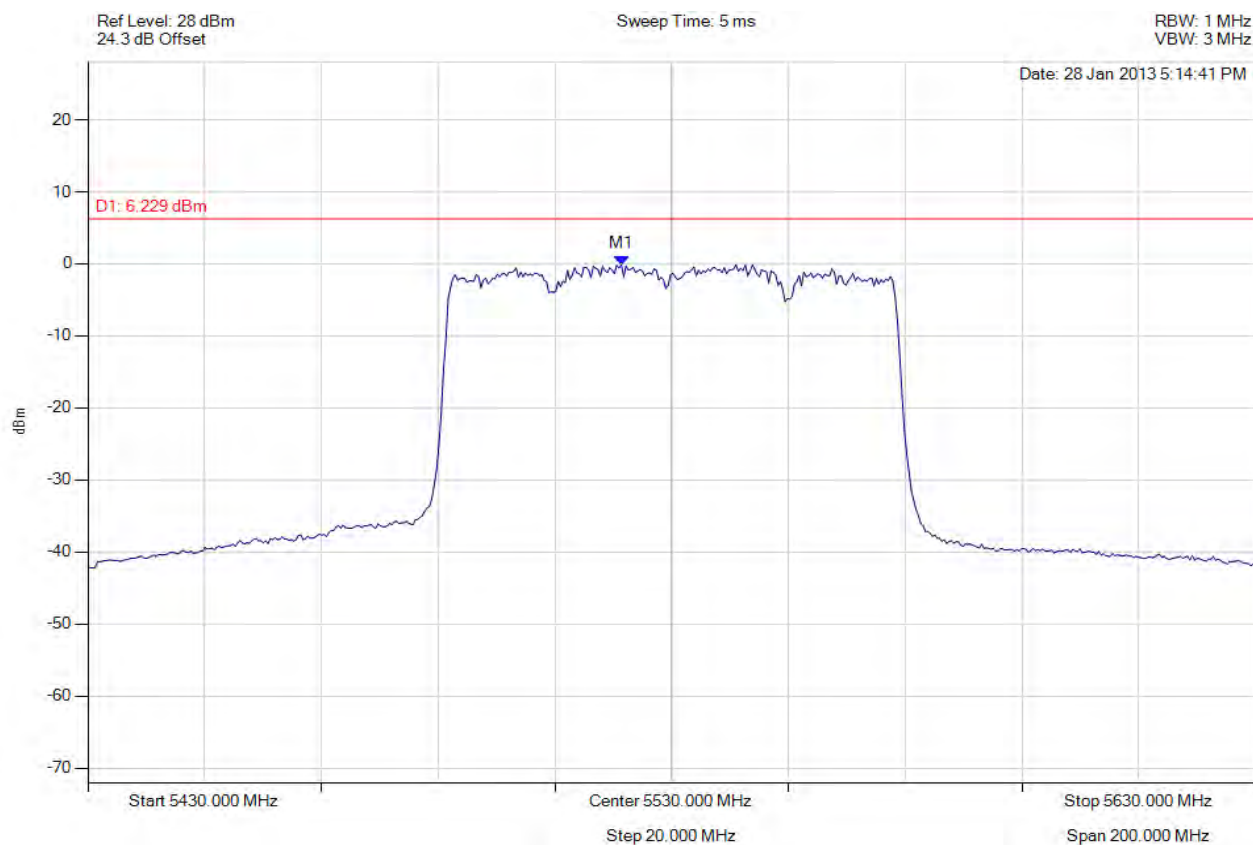


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5521.383 MHz : -0.138 dBm	Limit: $\leq 6.229$ dBm Margin: -6.37 dB

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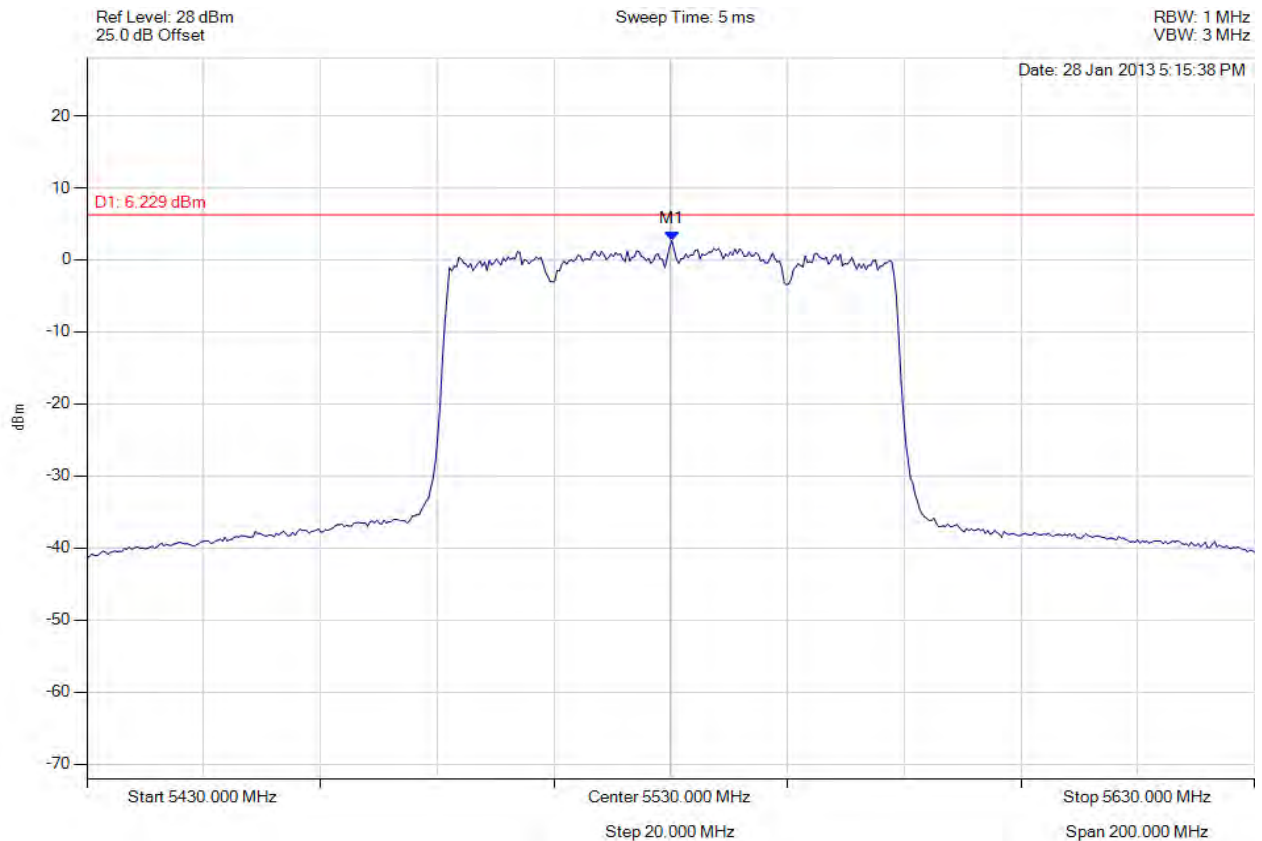


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5530.200 MHz : 2.653 dBm	Limit: $\leq 6.229$ dBm Margin: -3.58 dB

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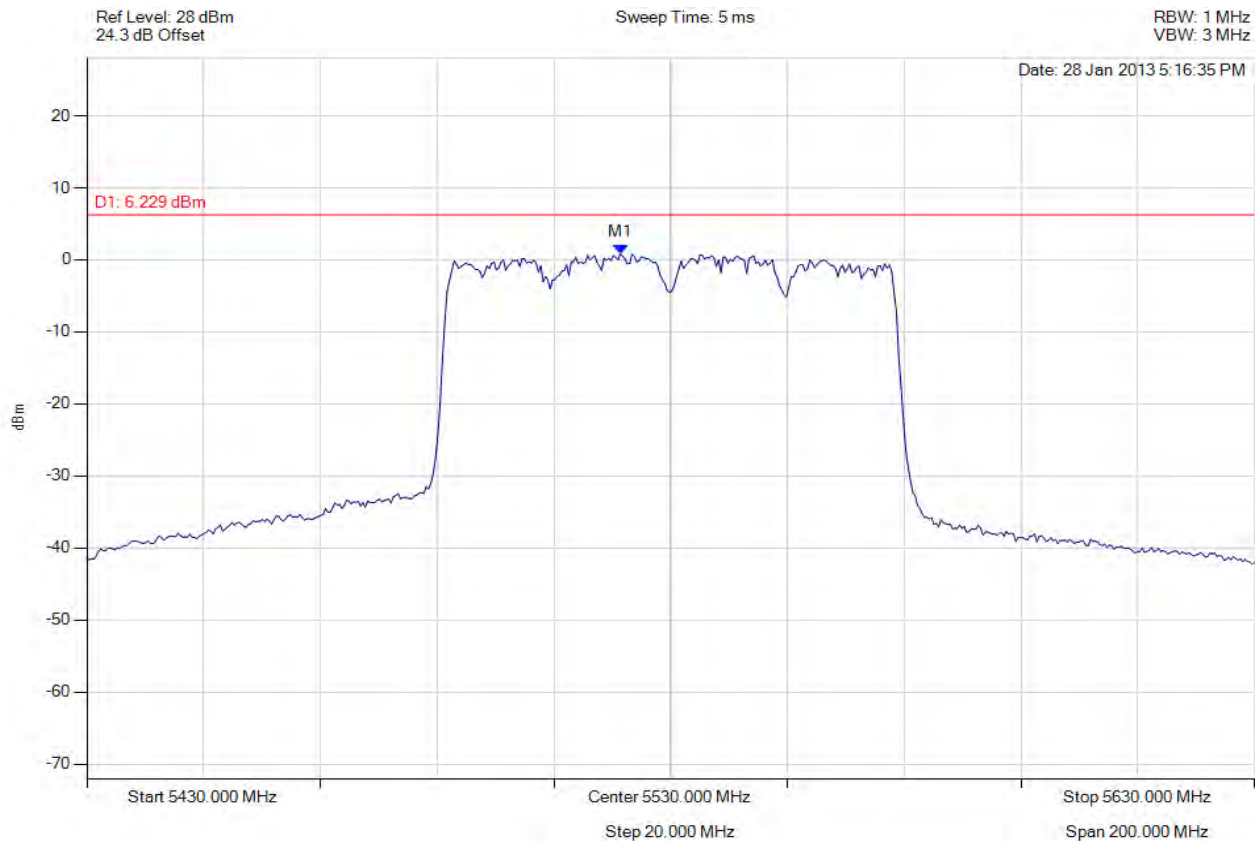


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5521.383 MHz : 0.831 dBm	Limit: $\leq 6.229$ dBm Margin: -5.40 dB

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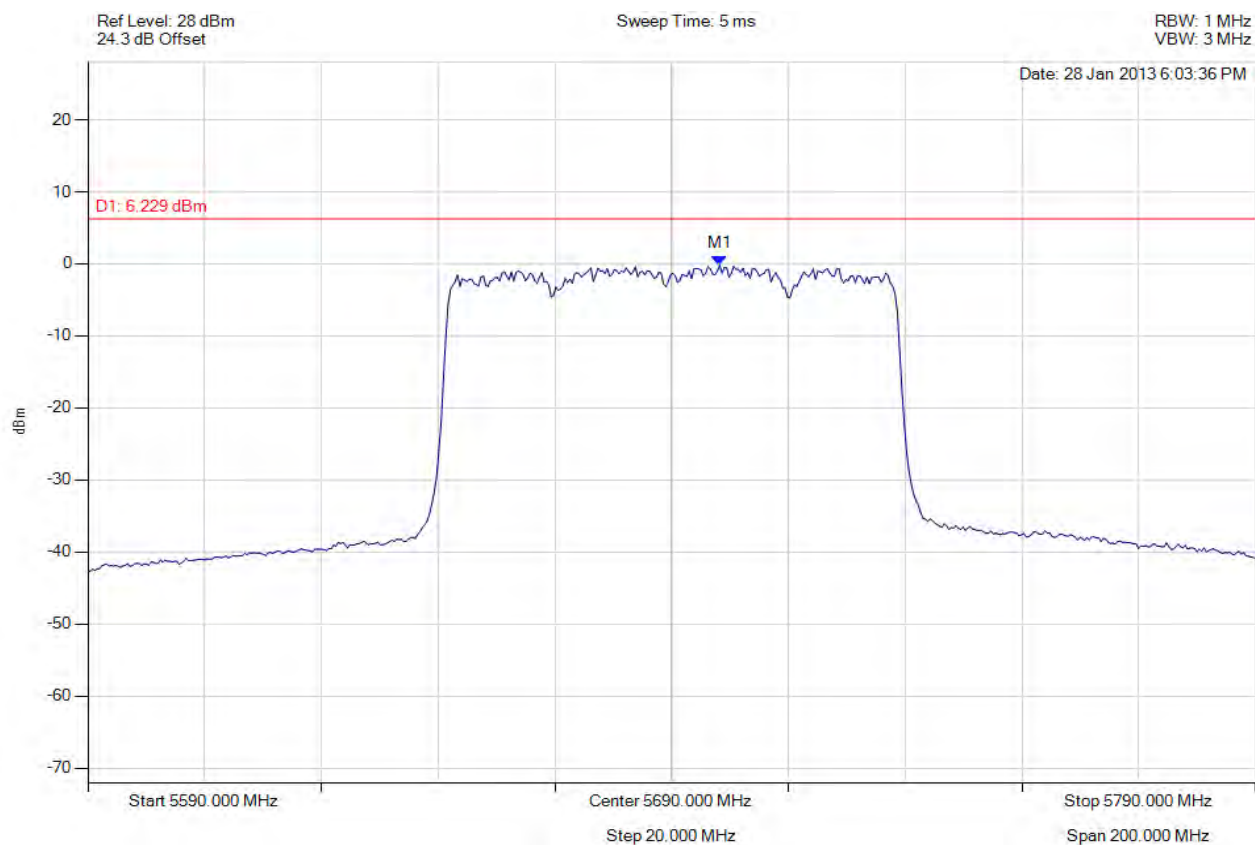


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5698.216 MHz : -0.200 dBm	Limit: $\leq 6.229$ dBm Margin: -6.43 dB

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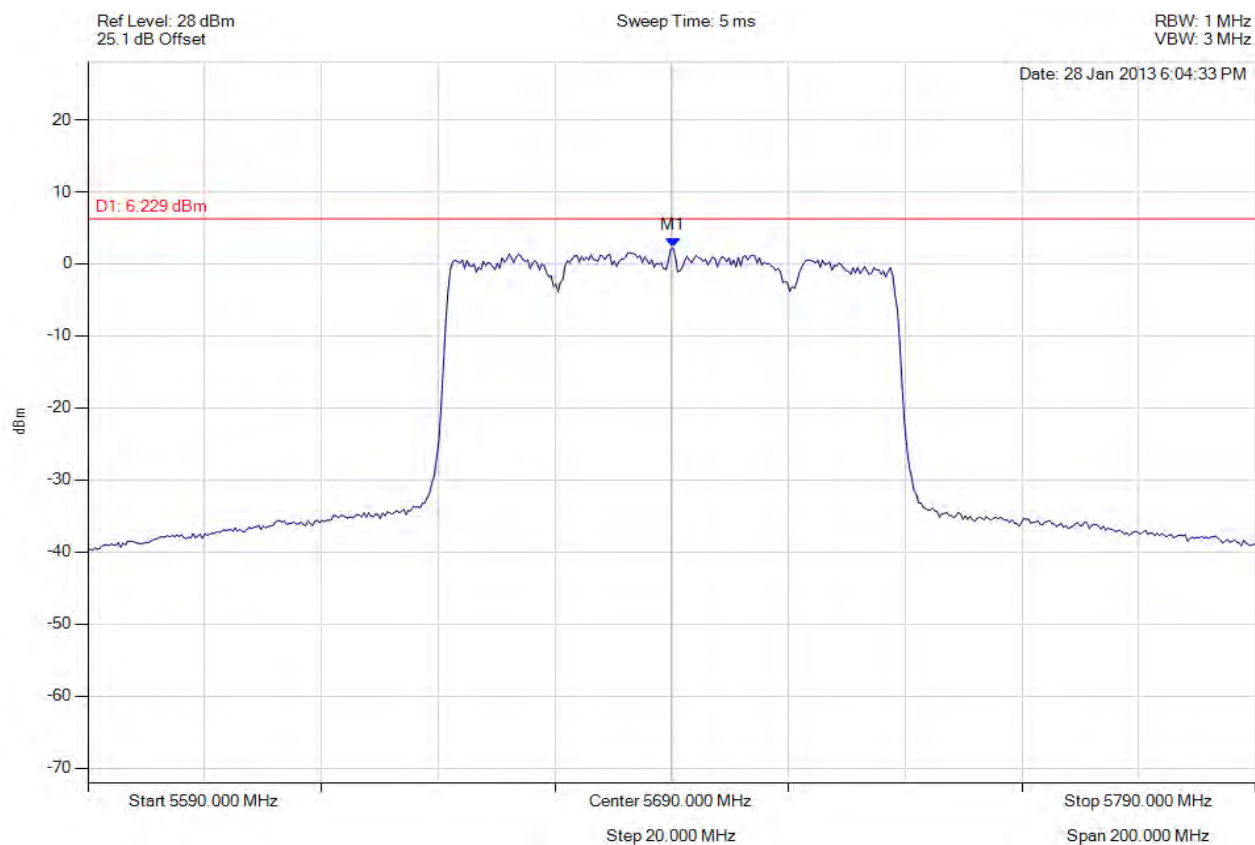


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5690.200 MHz : 2.237 dBm	Limit: $\leq 6.229$ dBm Margin: -3.99 dB

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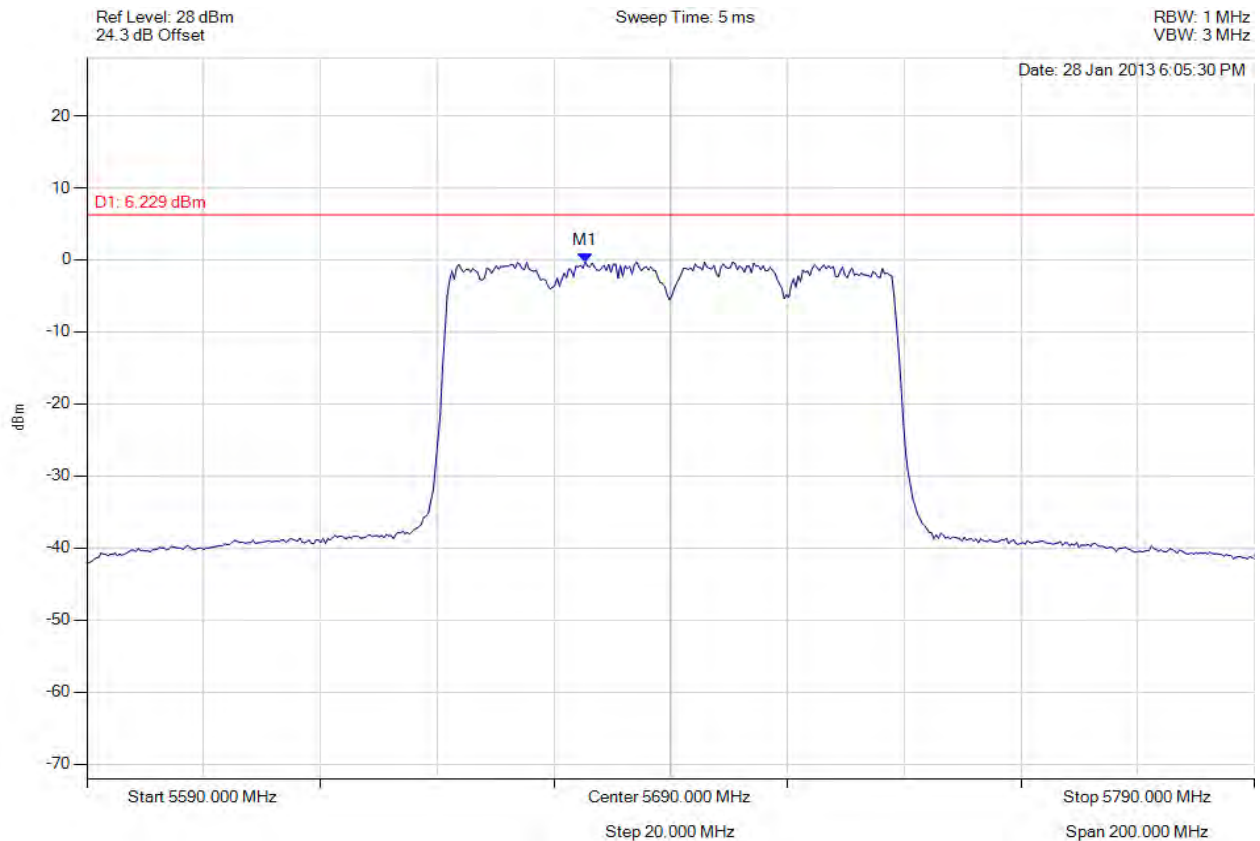


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK POWER SPECTRAL DENSITY

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5675.371 MHz : -0.298 dBm	Limit: $\leq 6.229$ dBm Margin: -6.53 dB

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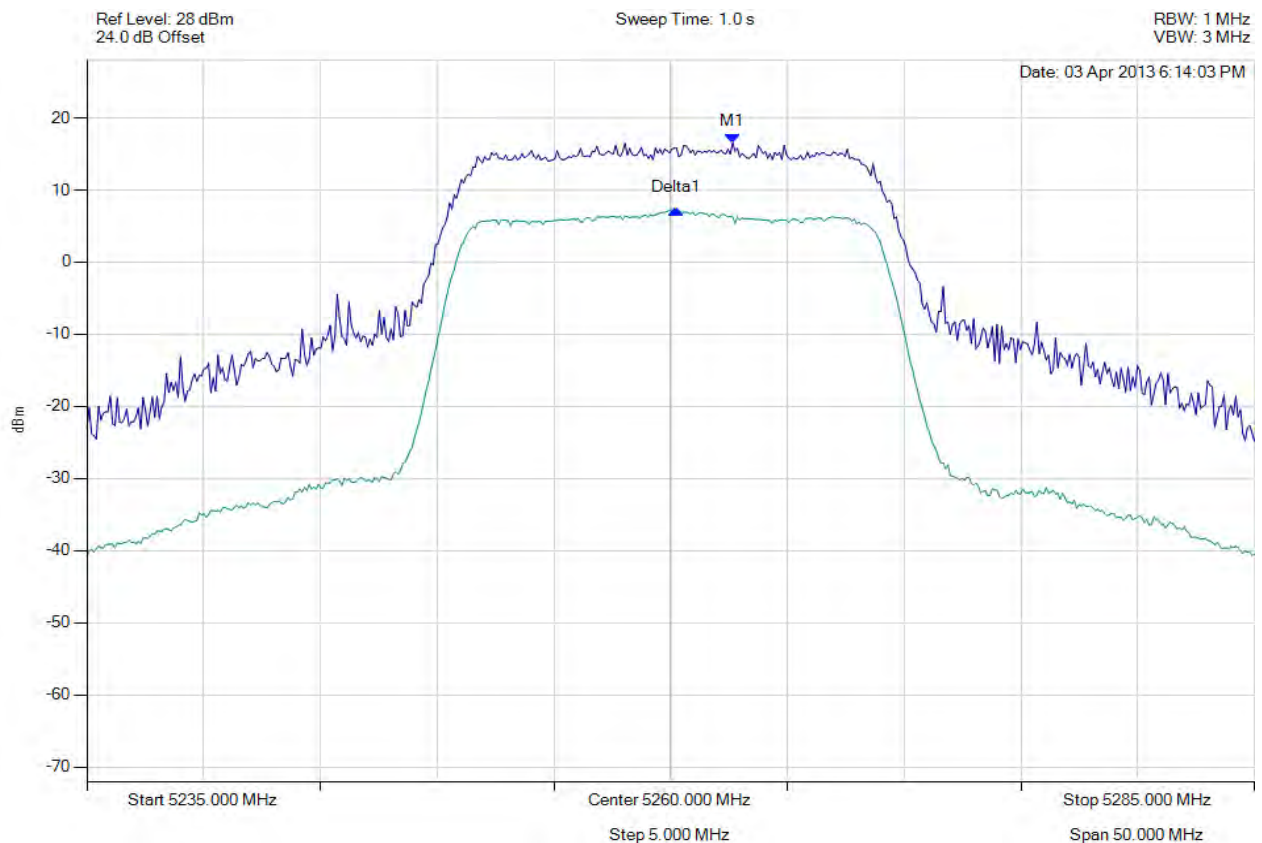
**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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### A.1.3. Peak Excursion Ratio



#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5262.655 MHz : 16.546 dBm Delta1 : -2404810 Hz : -9.276 dB	Measured Excursion Ratio: 9.28 dB Limit: 13.0 dB Margin: -3.72 dB

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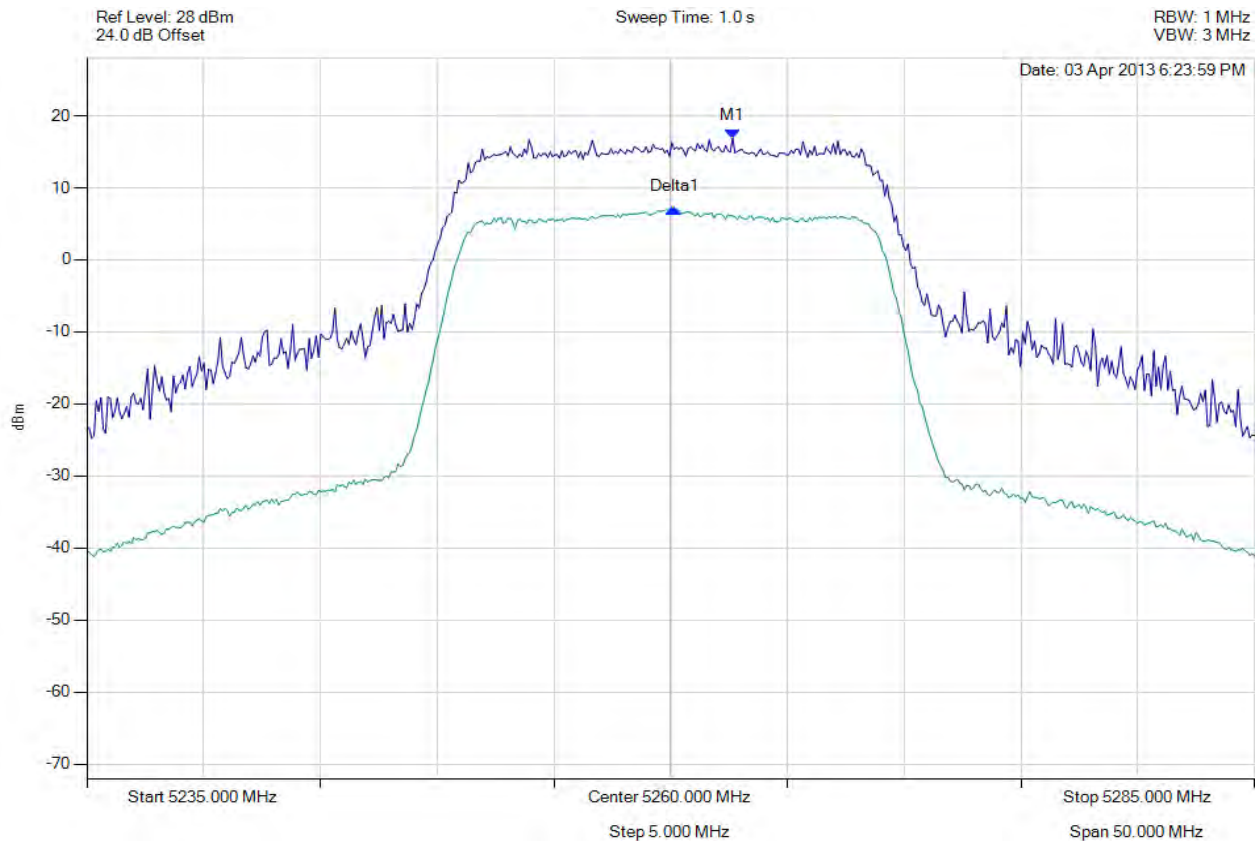


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5262.655 MHz : 16.893 dBm Delta1 : -2505010 Hz : -9.834 dB	Measured Excursion Ratio: 9.83 dB Limit: 13.0 dB Margin: -3.17 dB

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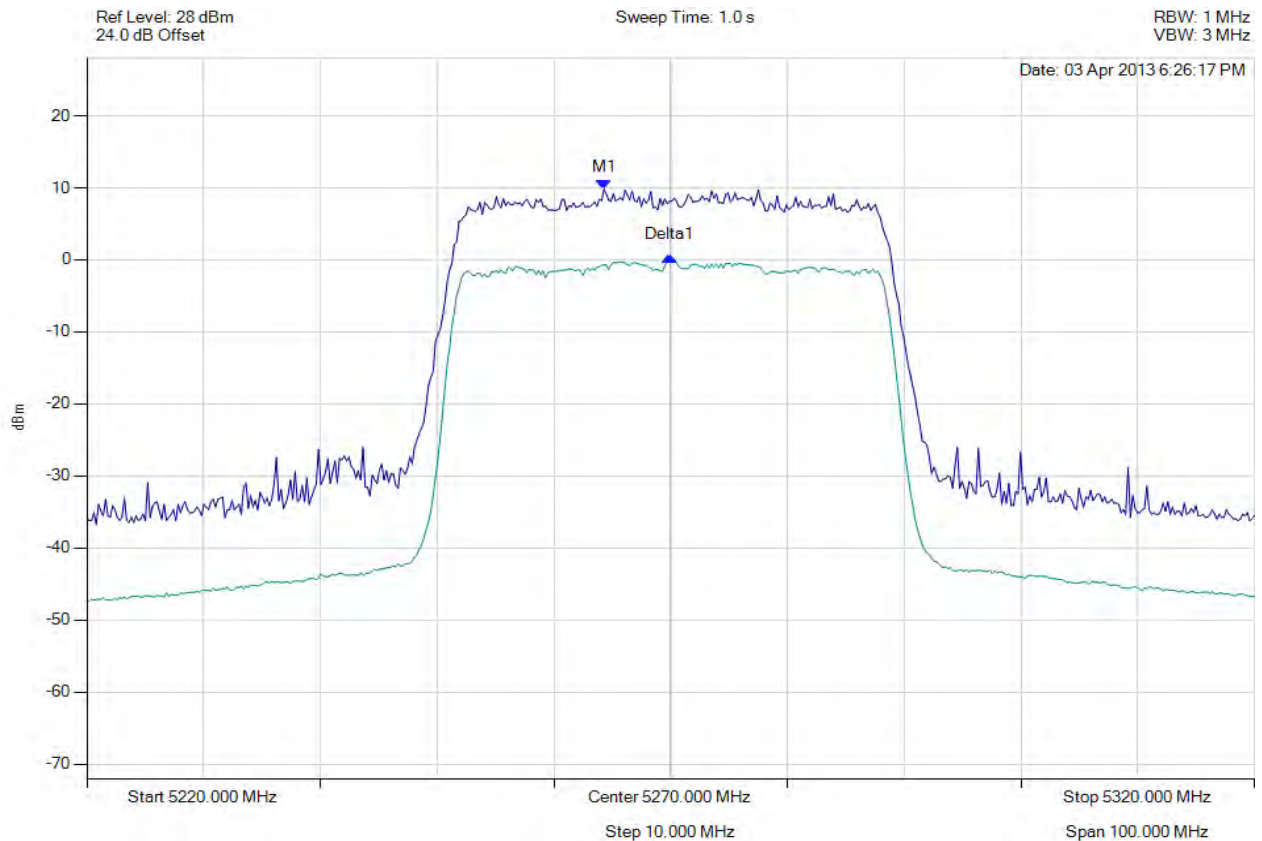


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5264.289 MHz : 9.806 dBm Delta1 : 5.611 MHz : -9.382 dB	Measured Excursion Ratio: 9.38 dB Limit: 13.0 dB Margin: -3.62 dB

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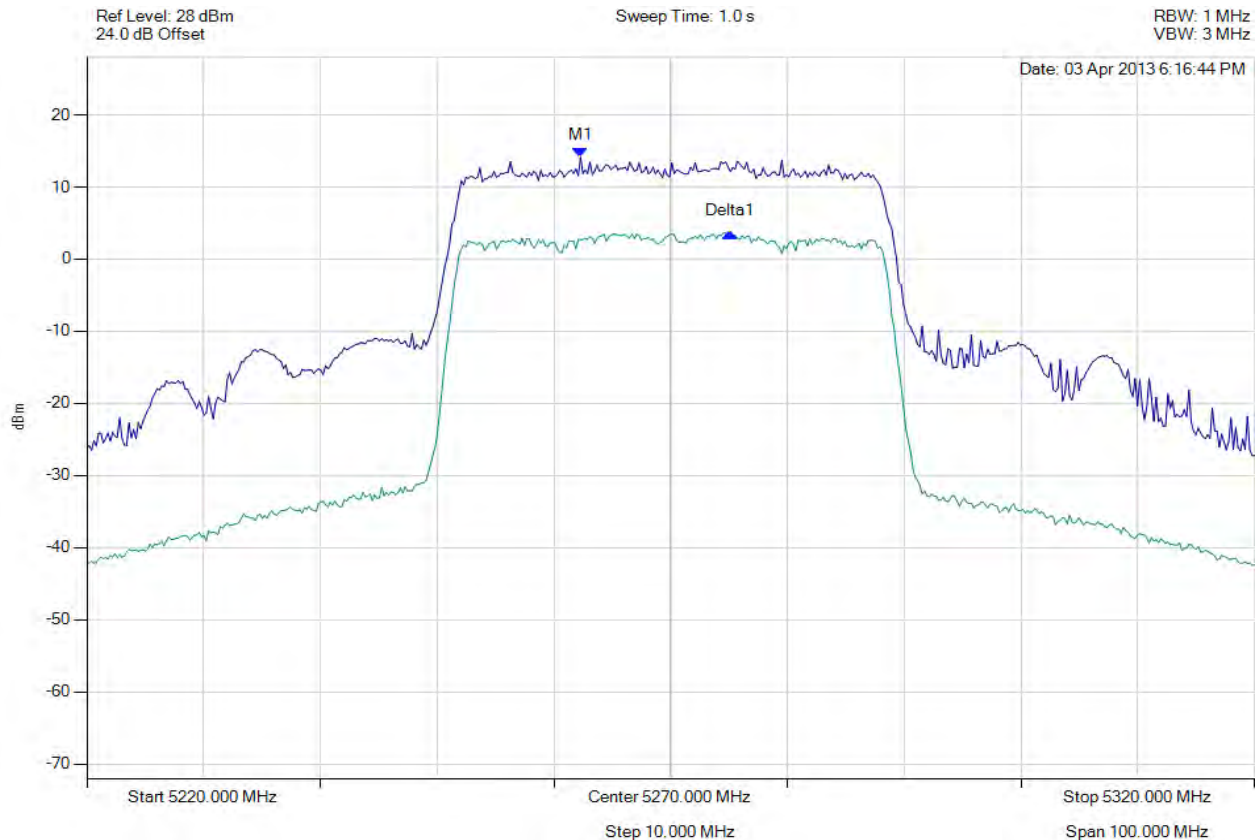


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5262.285 MHz : 14.120 dBm Delta1 : 12.826 MHz : -10.489 dB	Measured Excursion Ratio: 10.49 dB Limit: 13.0 dB Margin: -2.51 dB

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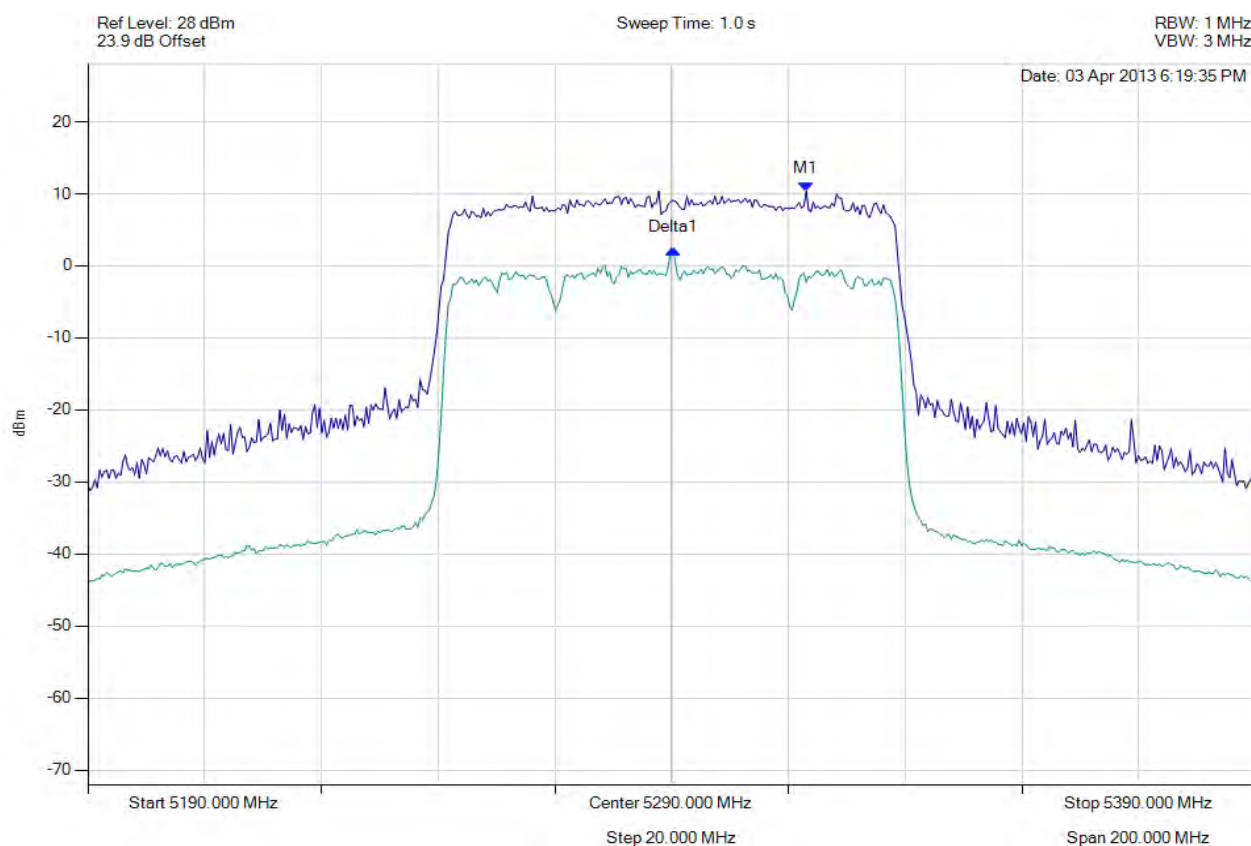


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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# PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5313.046 MHz : 10.384 dBm Delta1 : -22845691 Hz : -8.114 dB	Measured Excursion Ratio: 8.11 dB Limit: 13.0 dB Margin: -4.89 dB

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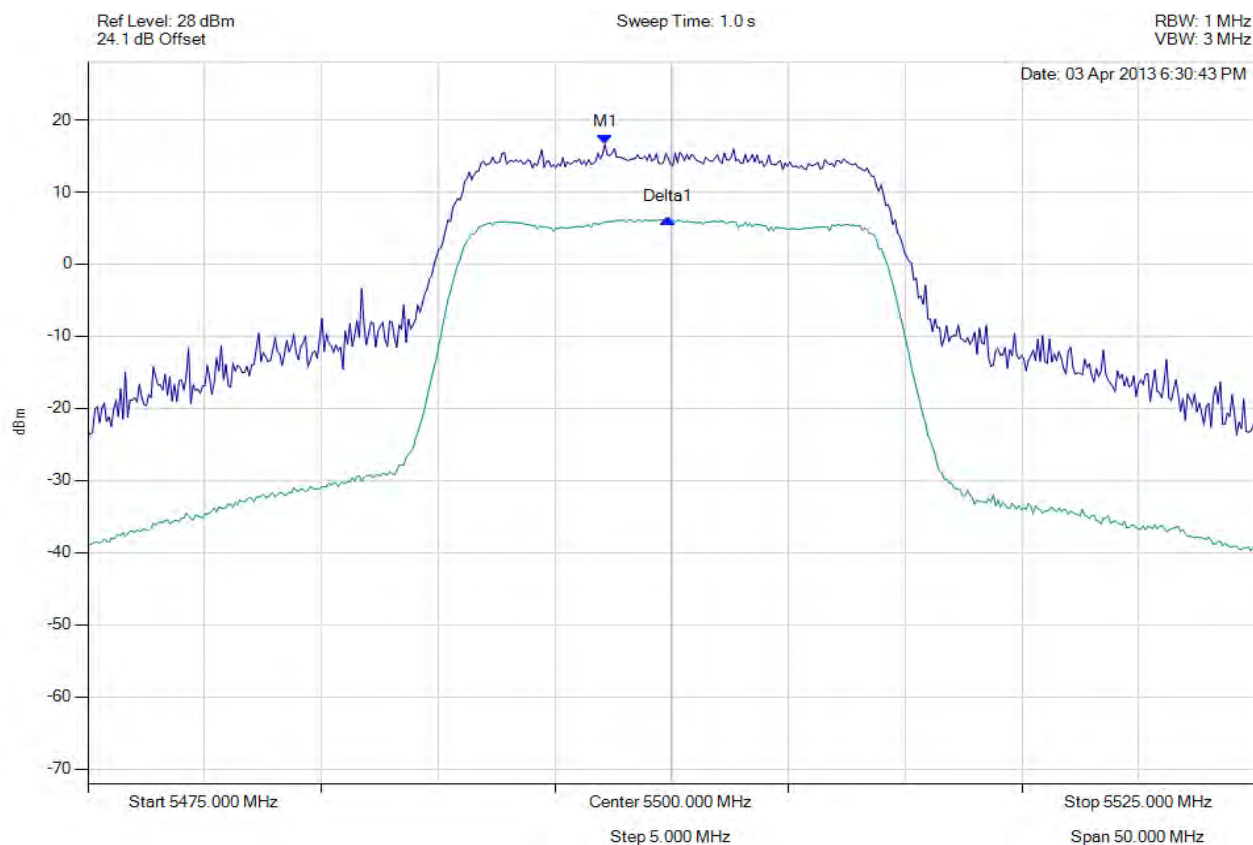


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5497.144 MHz : 16.616 dBm Delta1 : 2.705 MHz : -10.381 dB	Measured Excursion Ratio: 10.38 dB Limit: 13.0 dB Margin: -2.62 dB

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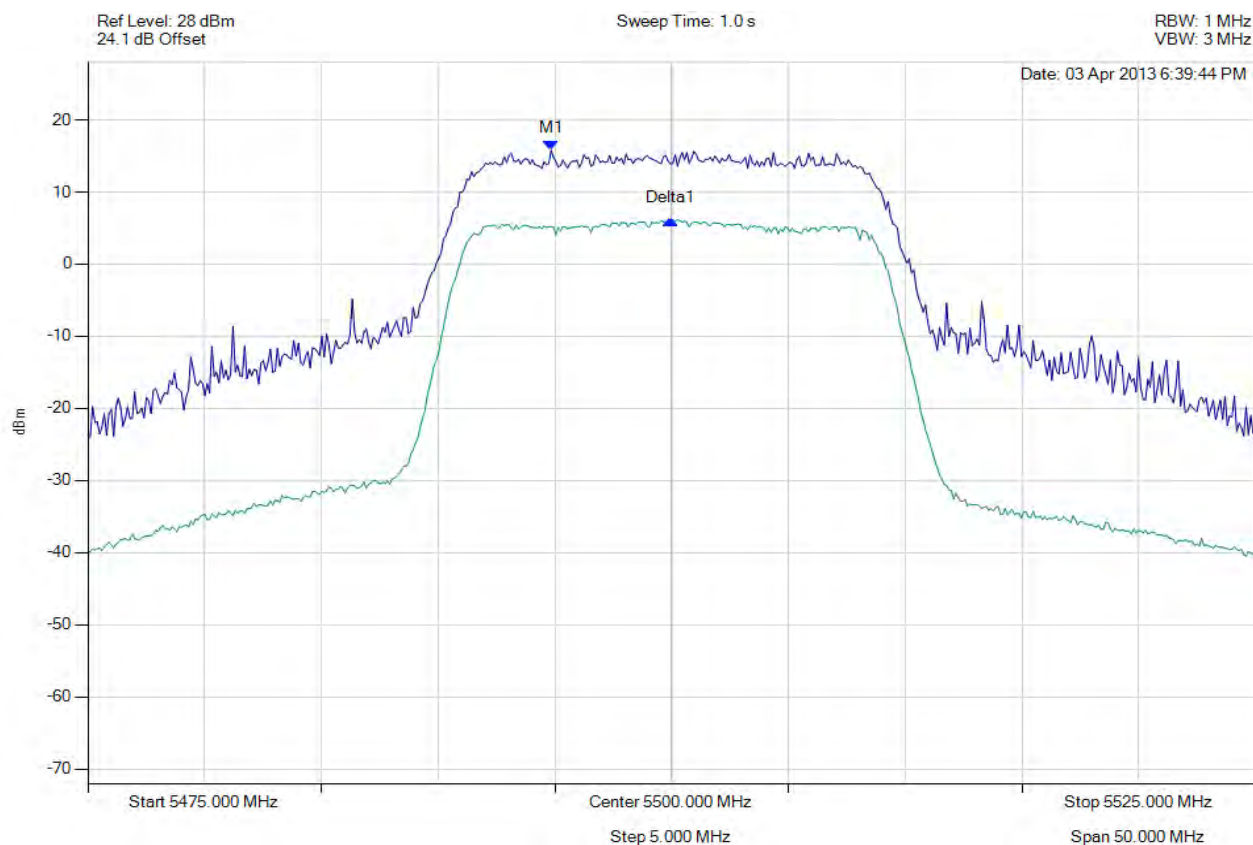


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5494.840 MHz : 15.757 dBm Delta1 : 5511.0 MHz : -9.577 dB	Measured Excursion Ratio: 9.58 dB Limit: 13.0 dB Margin: -3.42 dB

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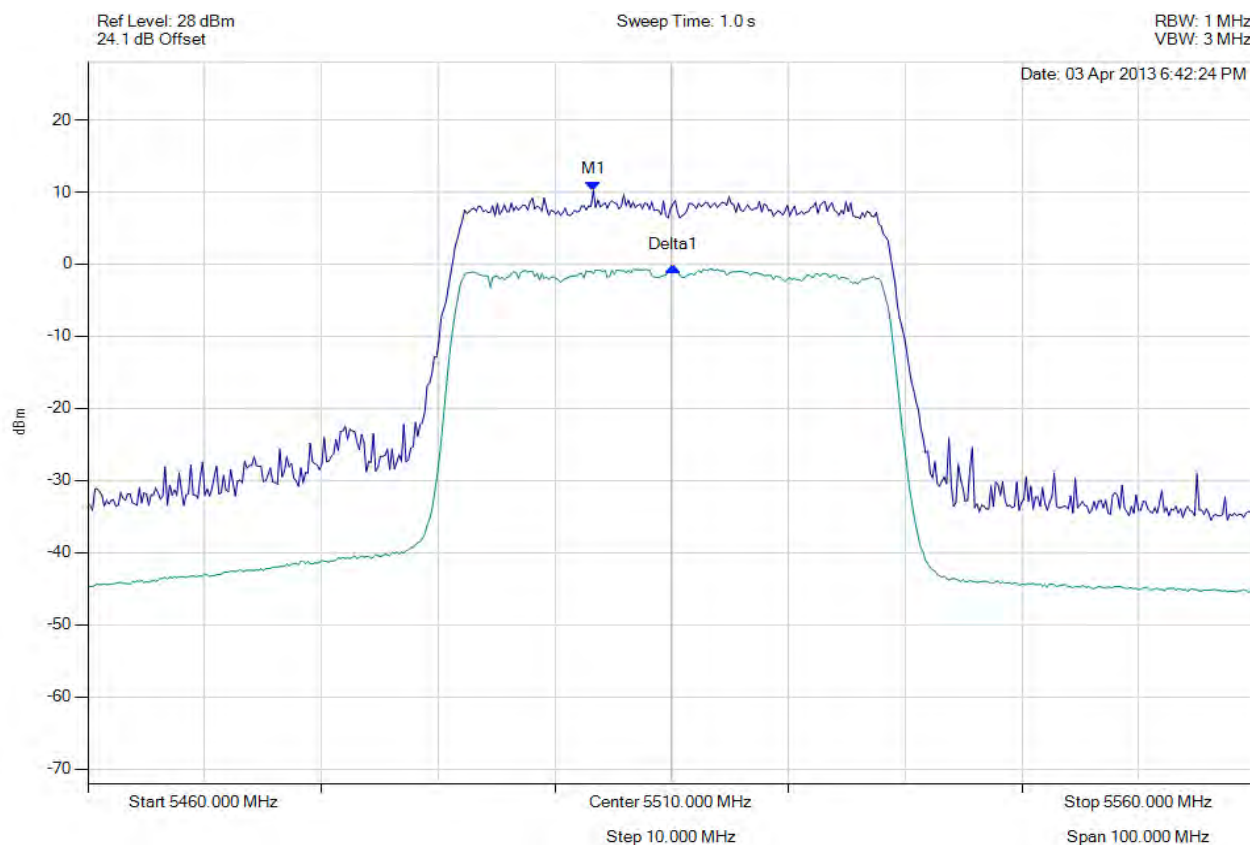


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5503.287 MHz : 10.167 dBm Delta1 : 6.814 MHz : -10.607 dB	Measured Excursion Ratio: 10.61 dB Limit: 13.0 dB Margin: -2.39 dB

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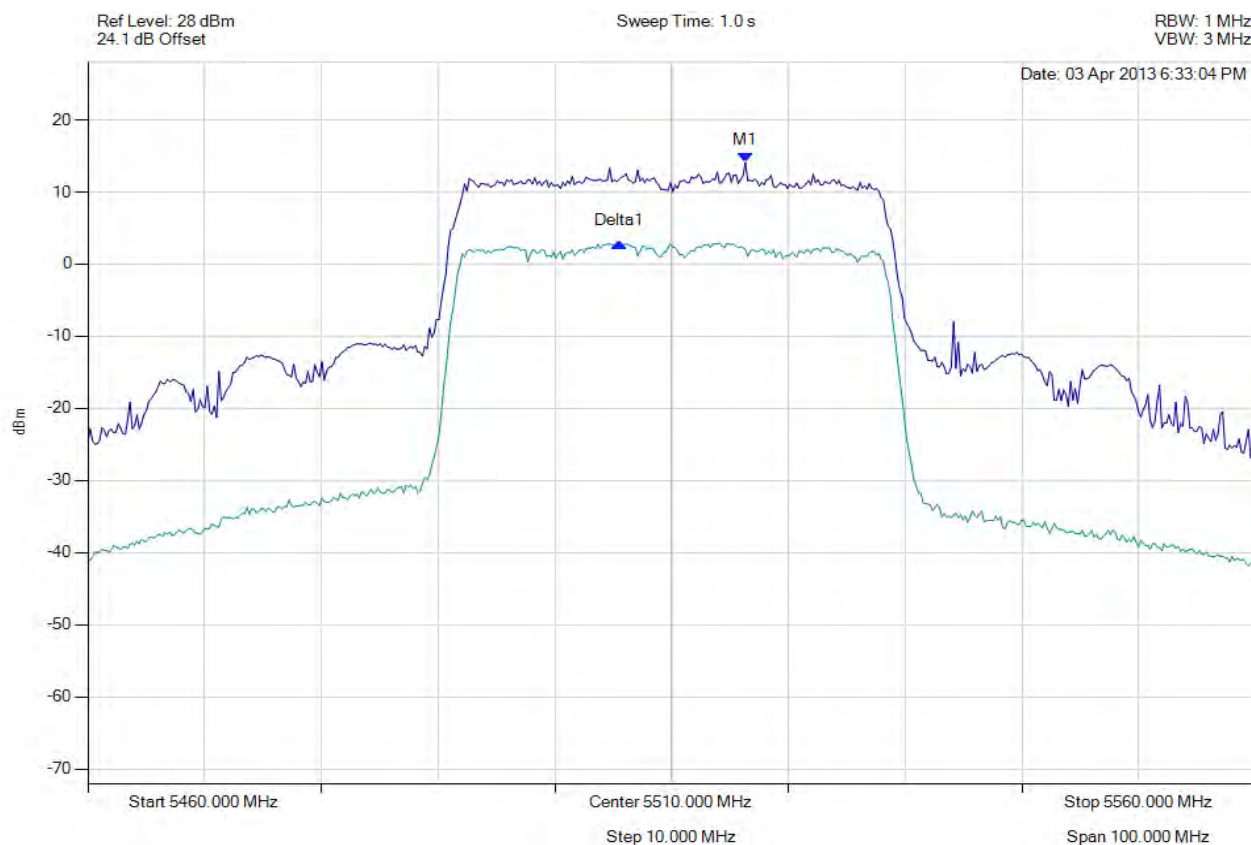


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## PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5516.313 MHz : 14.094 dBm Delta1 : -10821643 Hz : -11.127 dB	Measured Excursion Ratio: 11.13 dB Limit: 13.0 dB Margin: -1.87 dB

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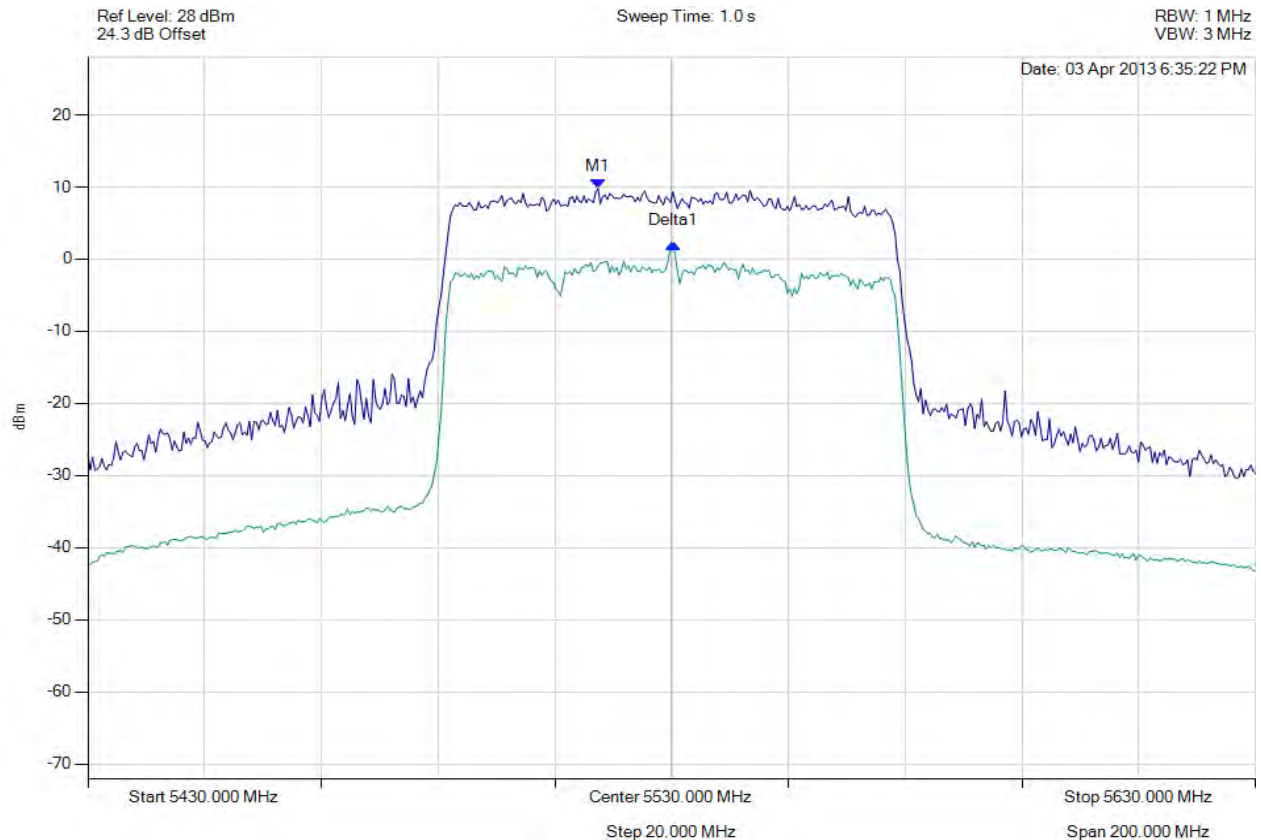


**Title:** APIN0224, APIN0225 802.11a/b/g/n/ac  
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#### PEAK EXCURSION RATIO

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



Analyser Setup	Marker : Frequency : Amplitude	Test Results
Sweep Count = 0 RF Atten (dB) = 20 TRACE 1: Detector = MAX PEAK Trace Mode = VIEW TRACE 2: Detector = RMS Trace Mode = VIEW	M1 : 5517.375 MHz : 9.808 dBm Delta1 : 12.826 MHz : -7.590 dB	Measured Excursion Ratio: 7.59 dB Limit: 13.0 dB Margin: -5.41 dB

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