

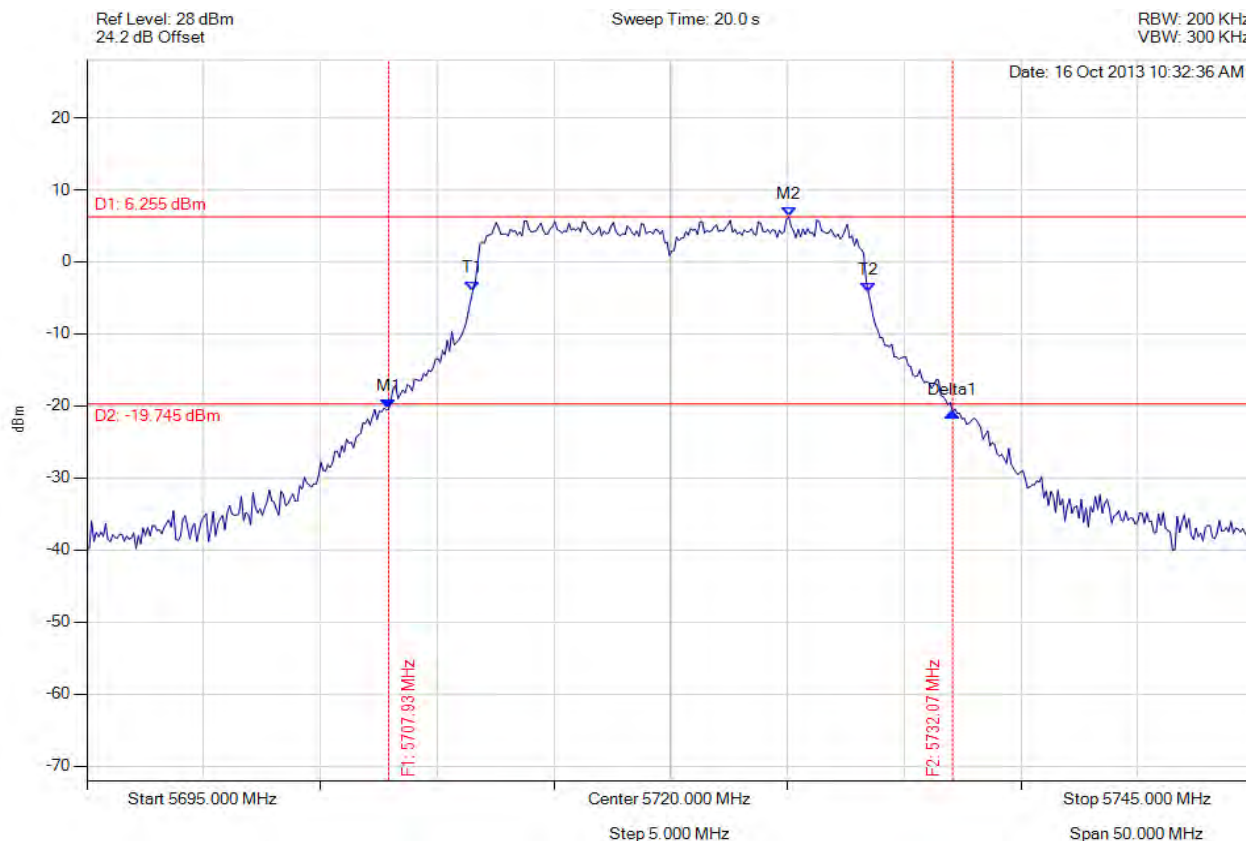


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** HPWD41-U6 Rev B  
**Issue Date:** 16th October 2013  
**Page:** 251 of 407



**26 dB & 99% BANDWIDTH**

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



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

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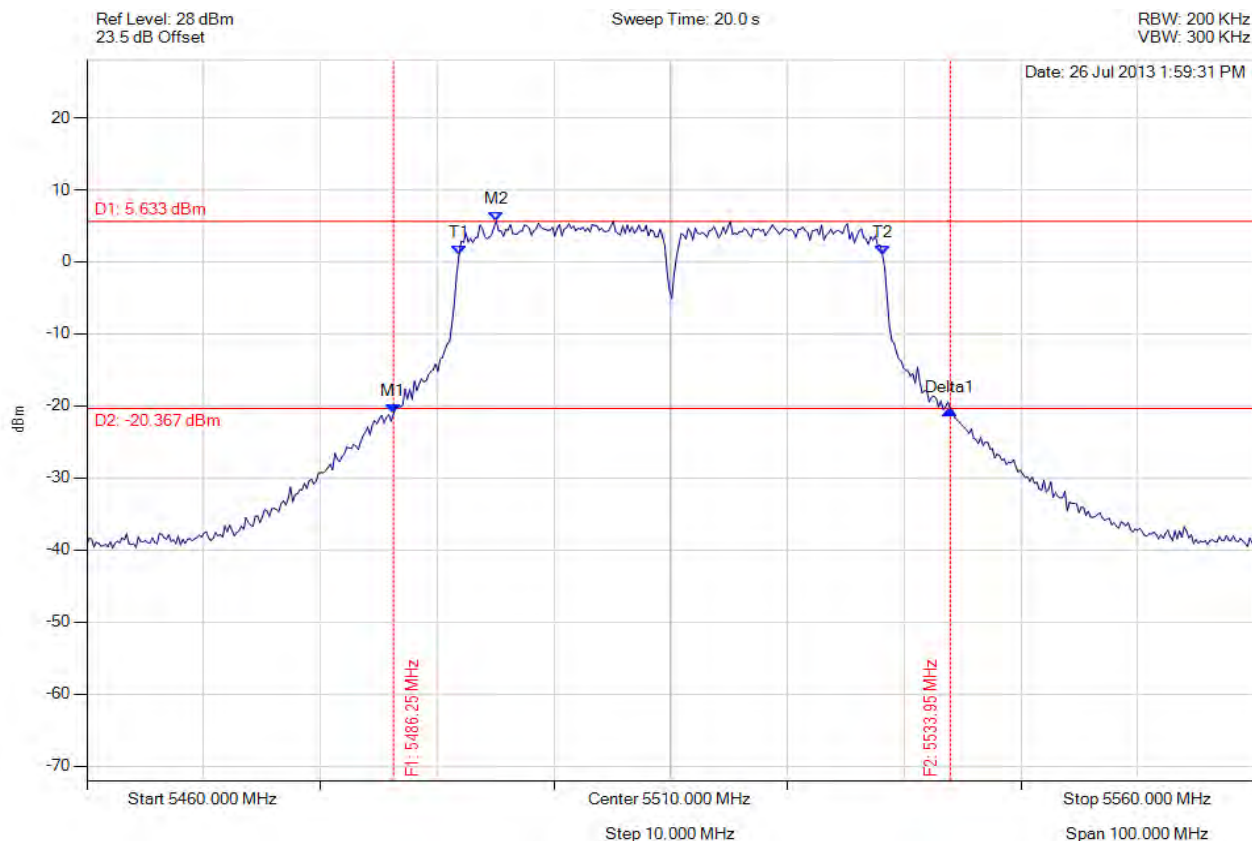


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** HPWD41-U6 Rev B  
**Issue Date:** 16th October 2013  
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**26 dB & 99% BANDWIDTH**

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



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

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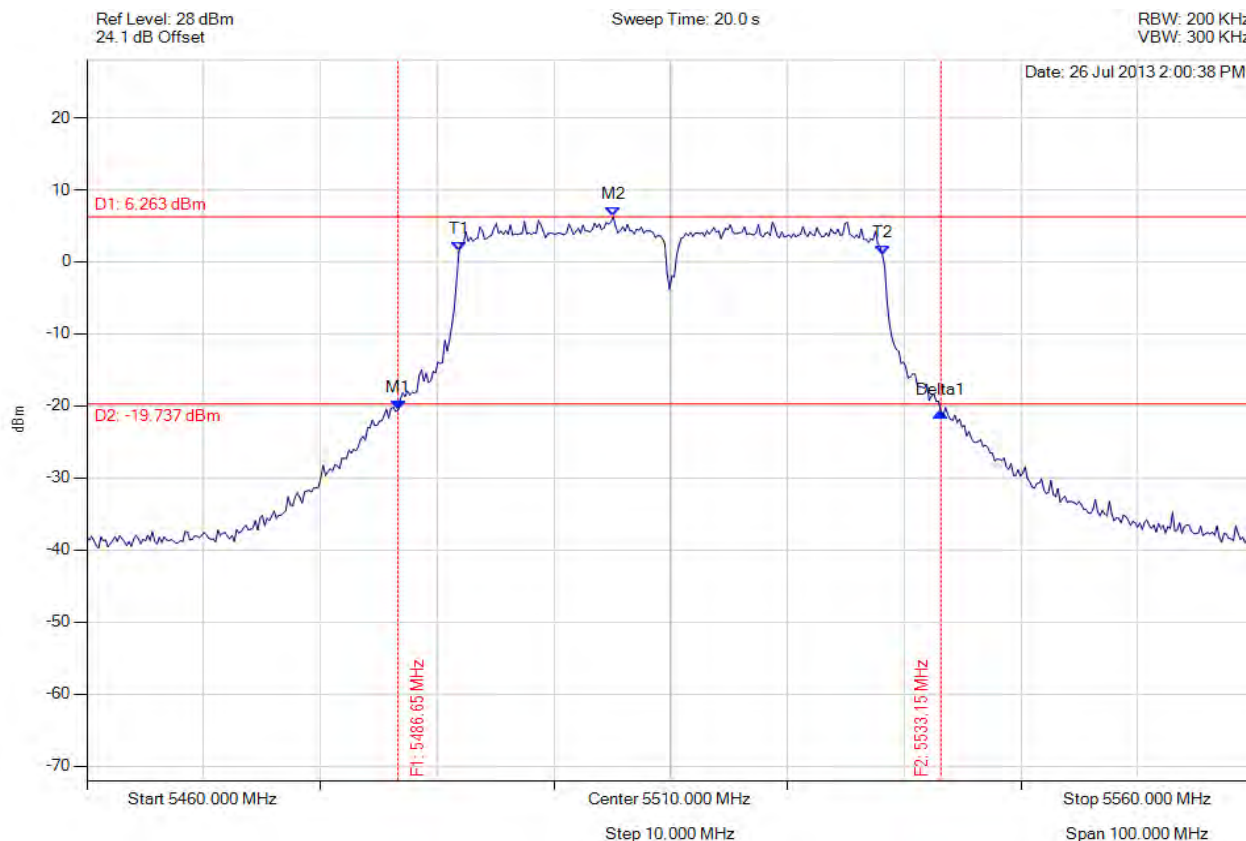


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** HPWD41-U6 Rev B  
**Issue Date:** 16th October 2013  
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**26 dB & 99% BANDWIDTH**

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



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

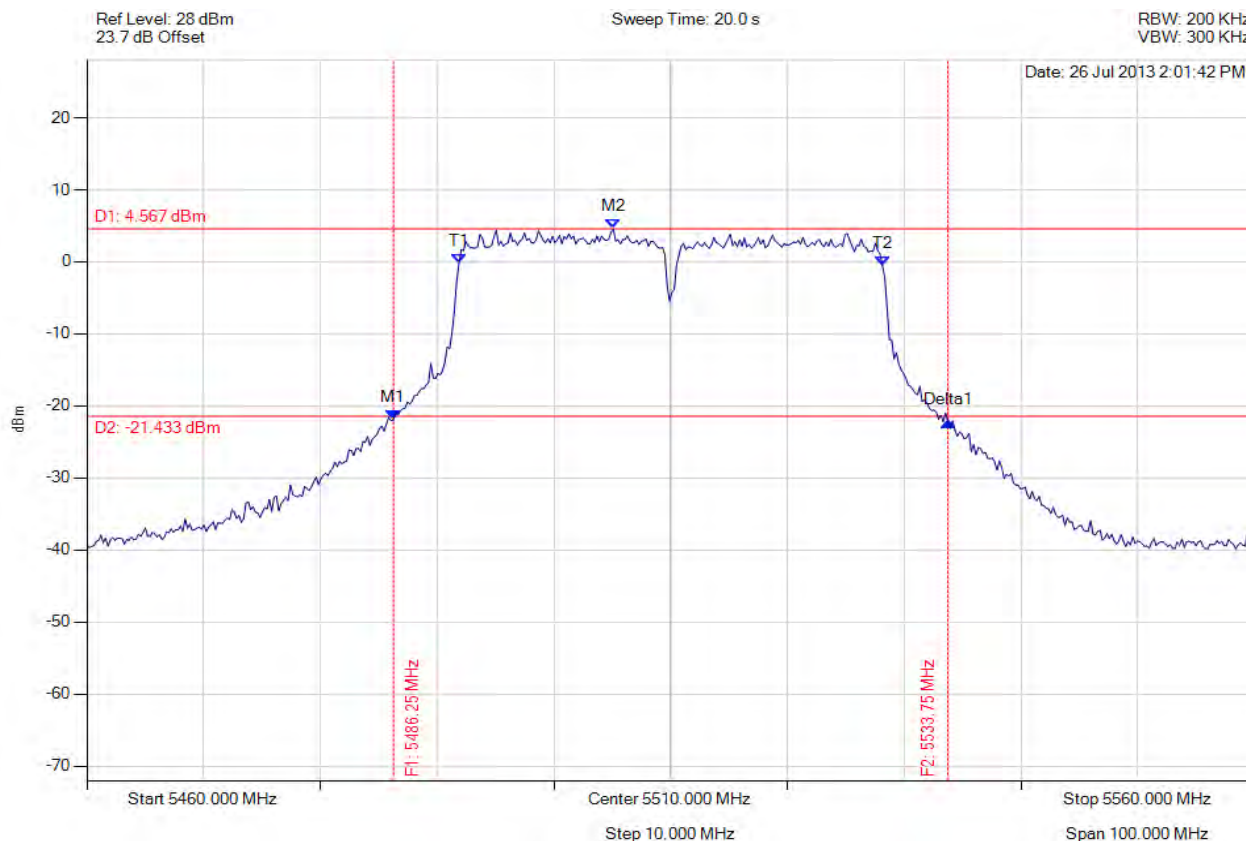
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**26 dB & 99% BANDWIDTH**

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



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

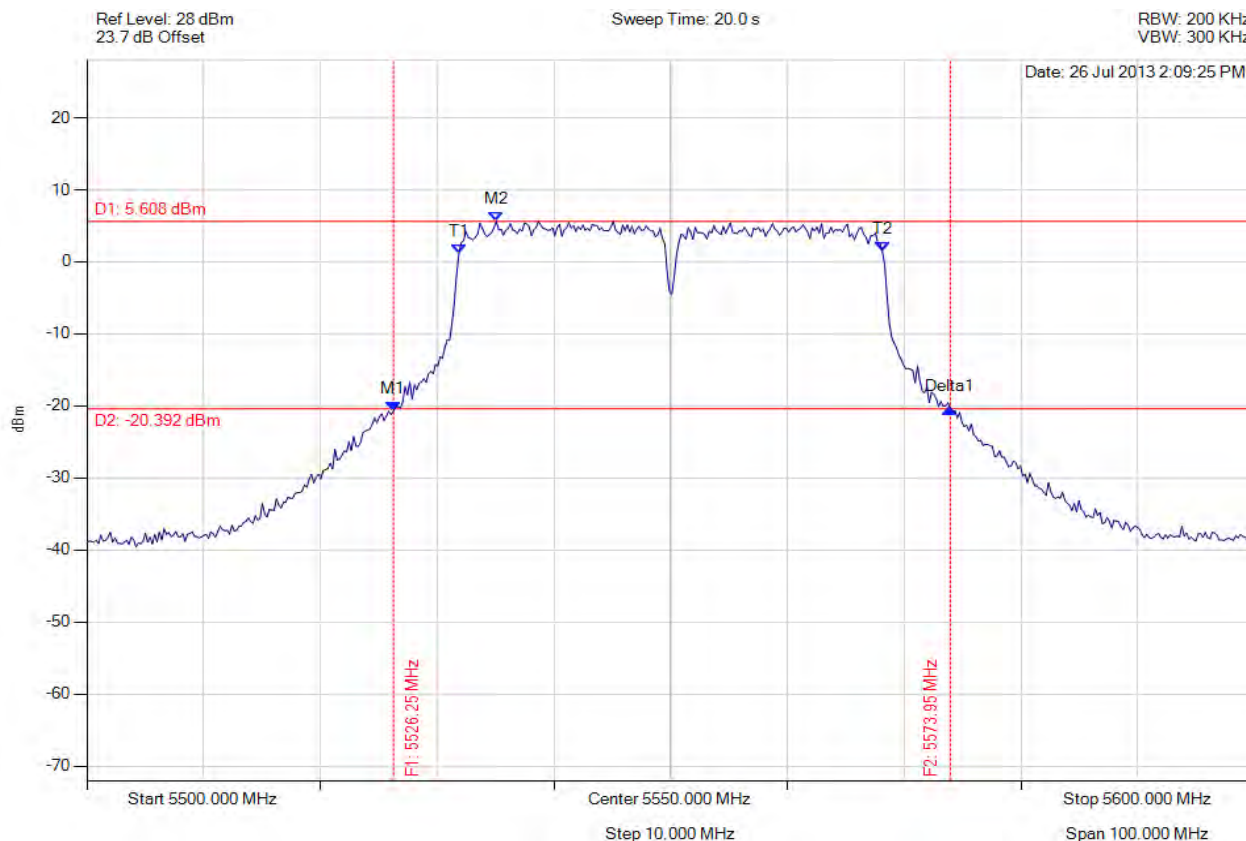
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**26 dB & 99% BANDWIDTH**

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



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

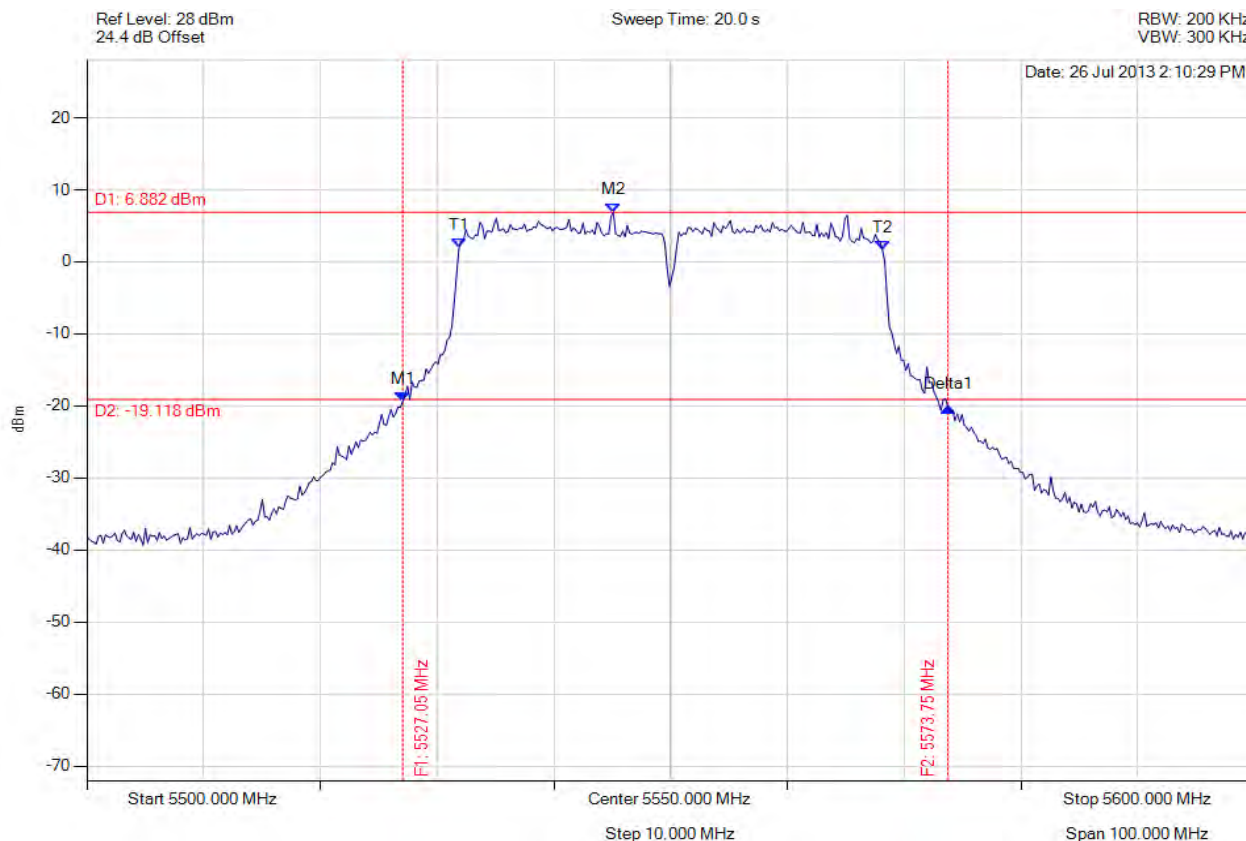
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**26 dB & 99% BANDWIDTH**

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



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

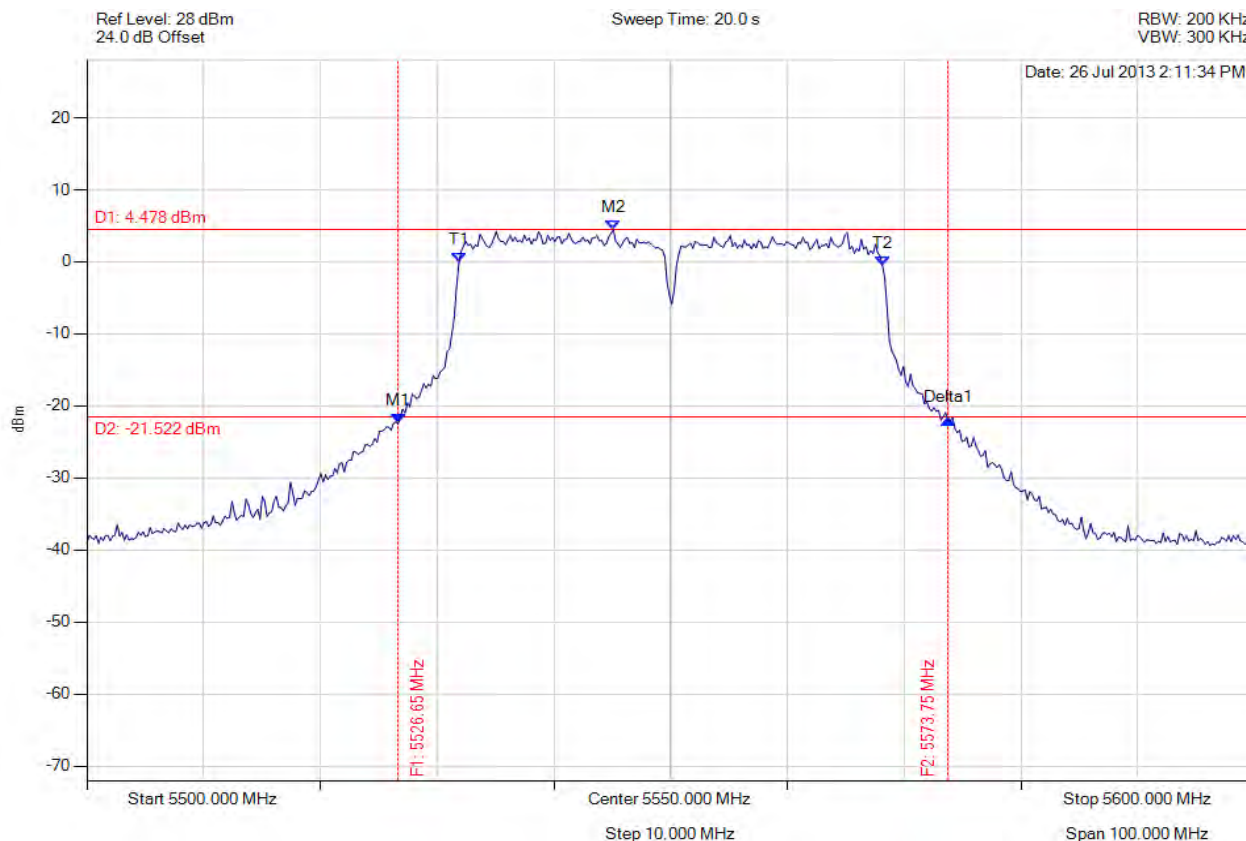
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**26 dB & 99% BANDWIDTH**

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



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

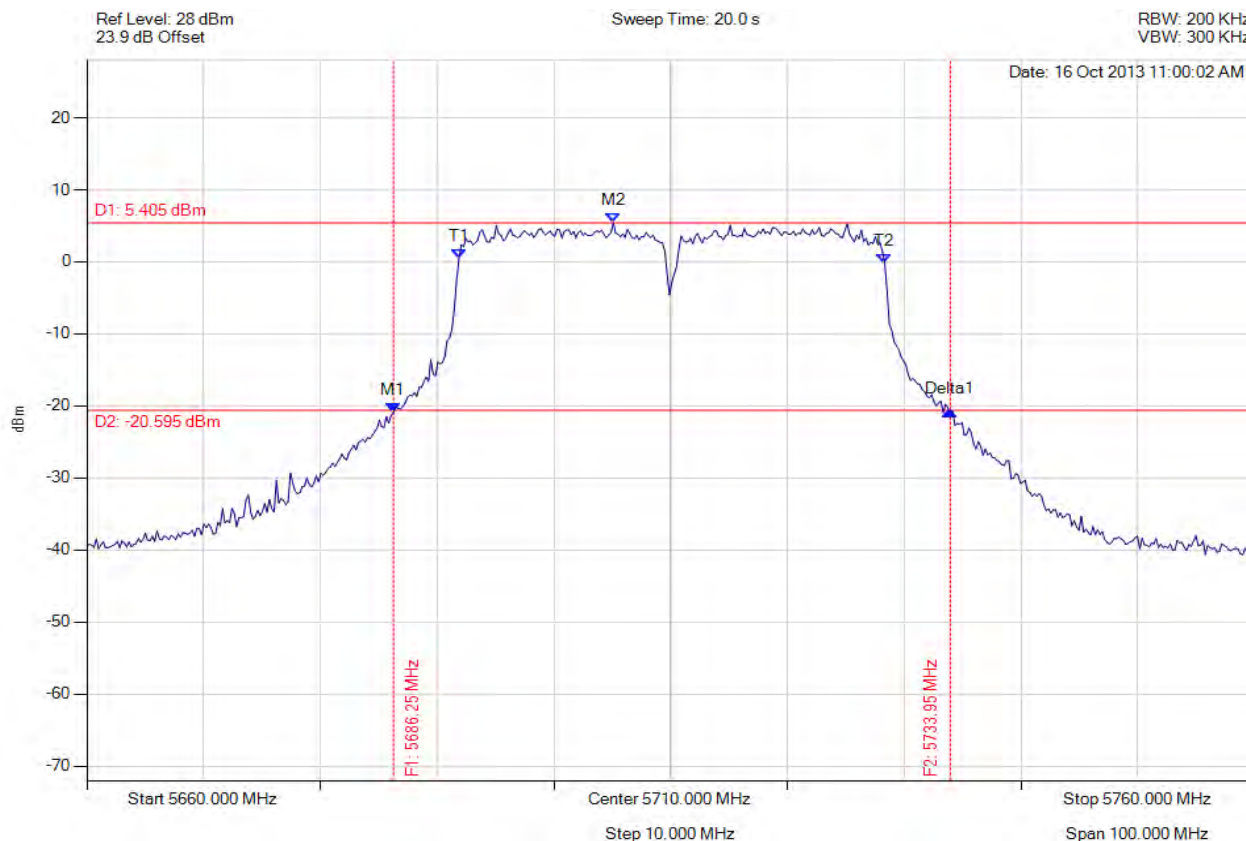
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**26 dB & 99% BANDWIDTH**

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



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

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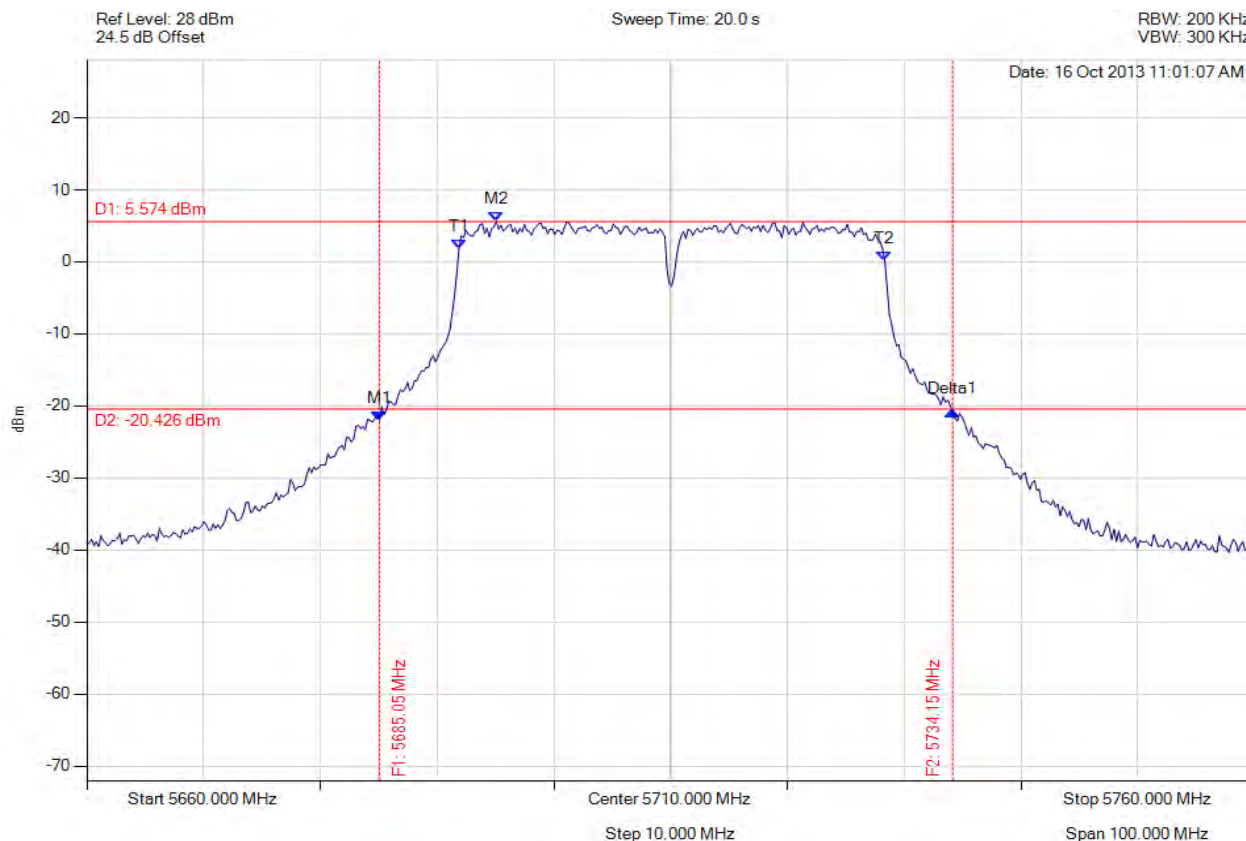


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** HPWD41-U6 Rev B  
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**26 dB & 99% BANDWIDTH**

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



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

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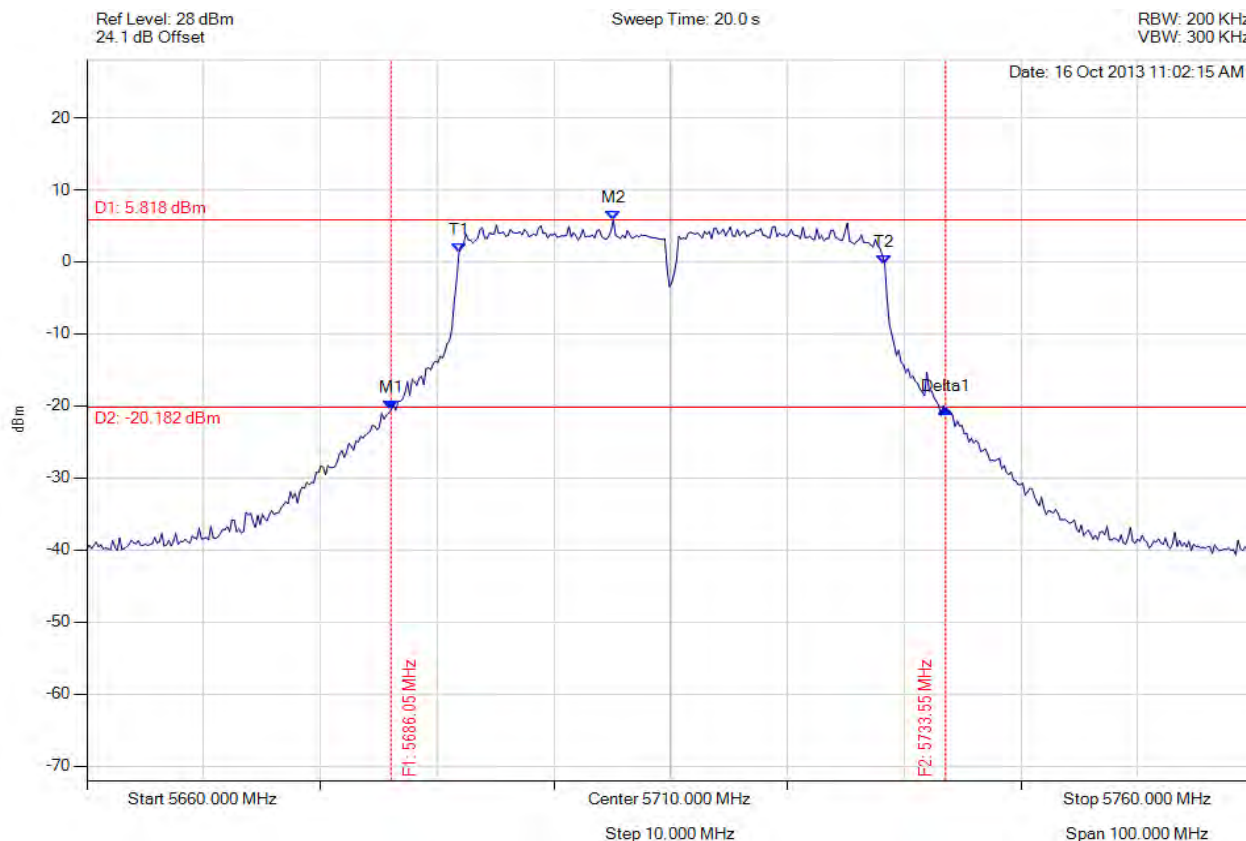


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** HPWD41-U6 Rev B  
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**26 dB & 99% BANDWIDTH**

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



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

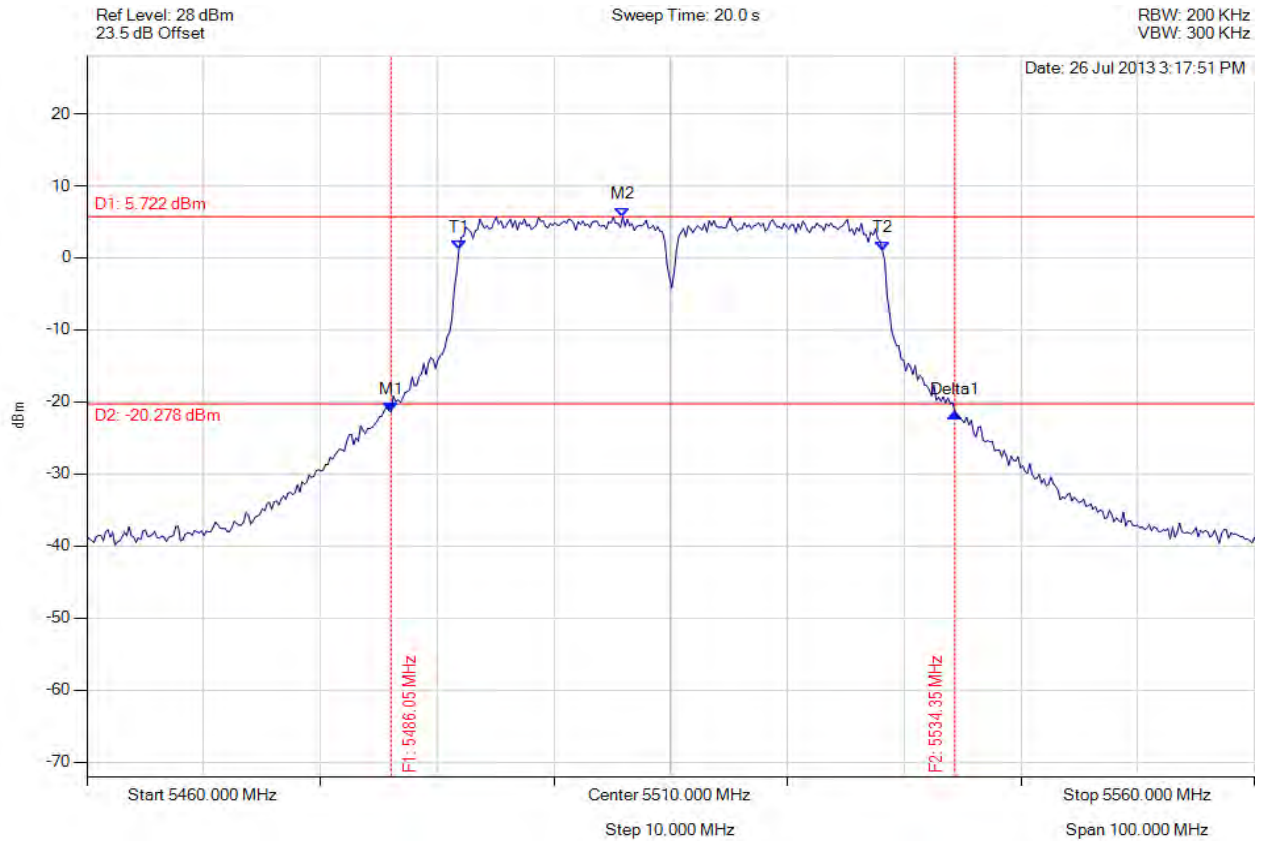
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**26 dB & 99% BANDWIDTH**

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



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

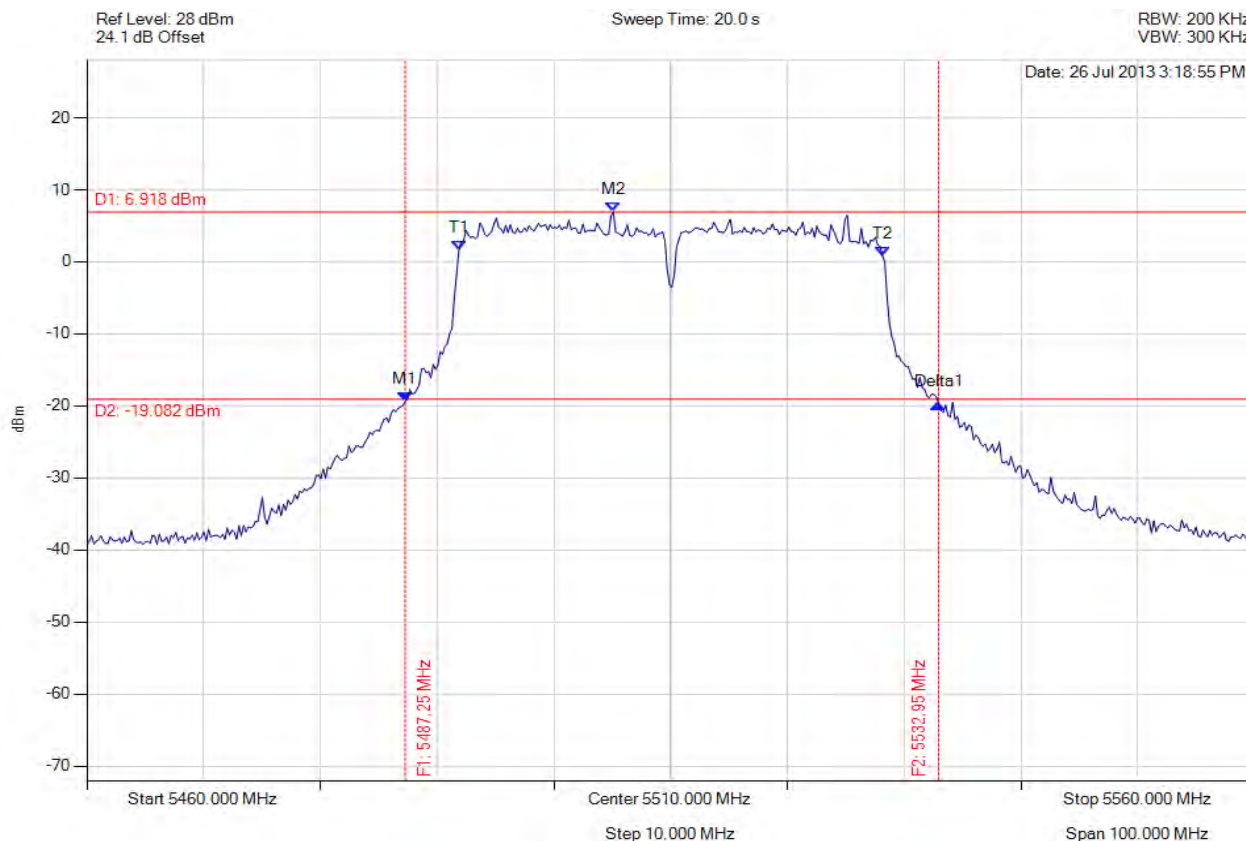
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**26 dB & 99% BANDWIDTH**

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



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

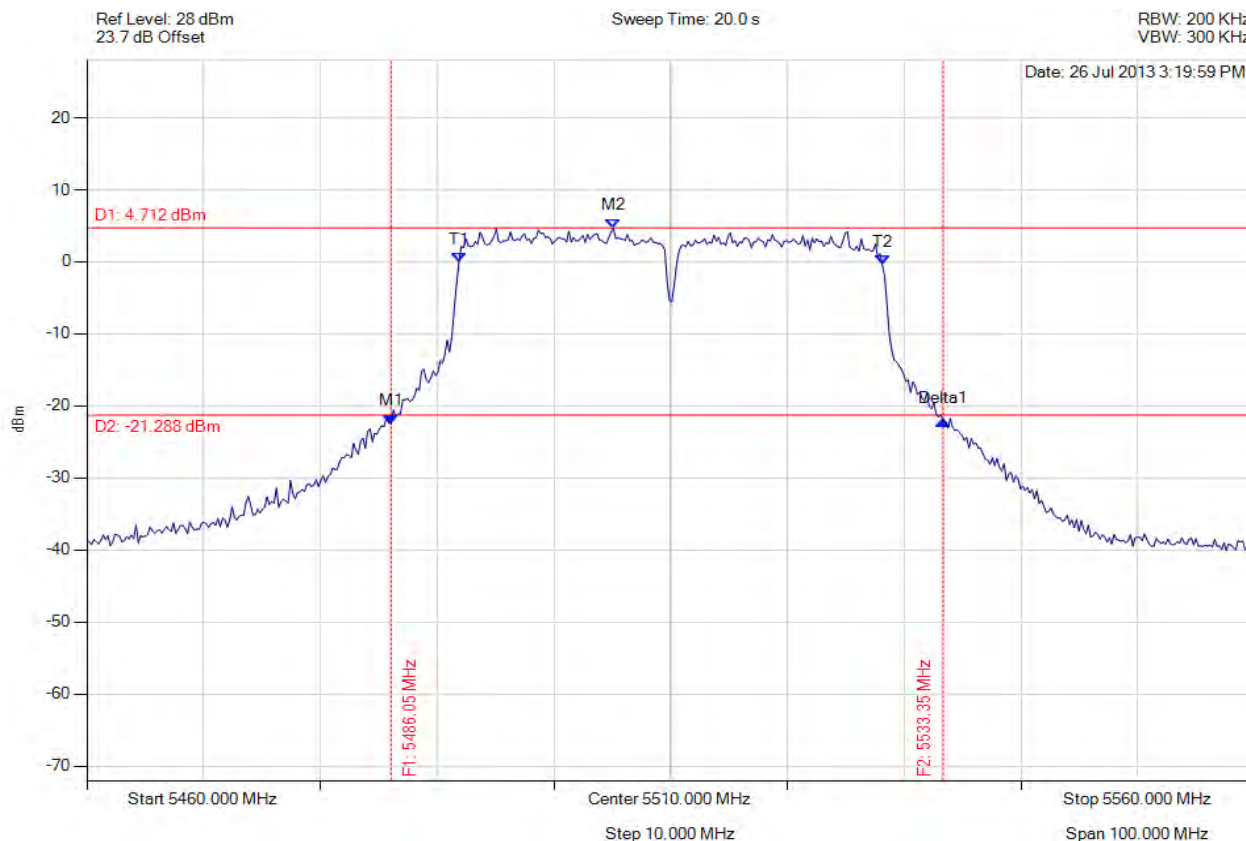
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**26 dB & 99% BANDWIDTH**

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



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

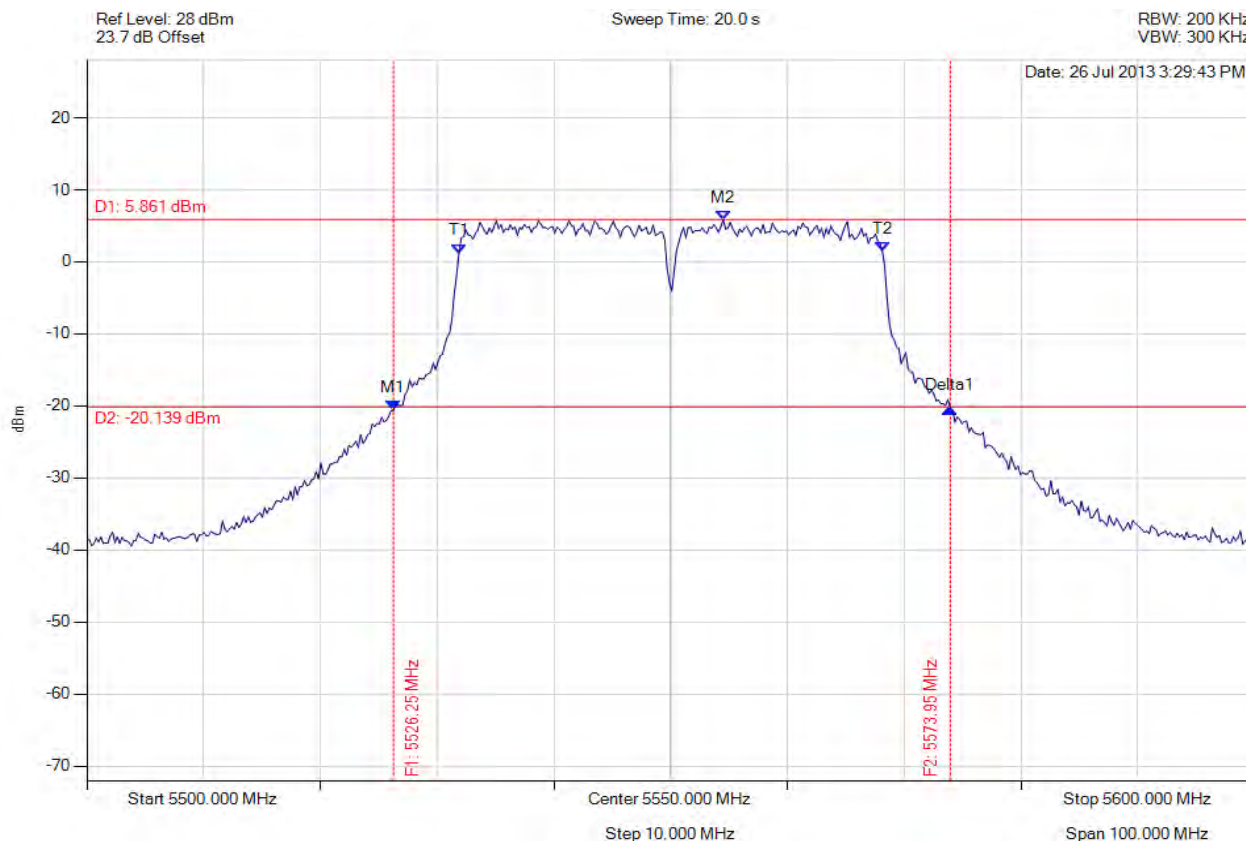
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**26 dB & 99% BANDWIDTH**

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



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

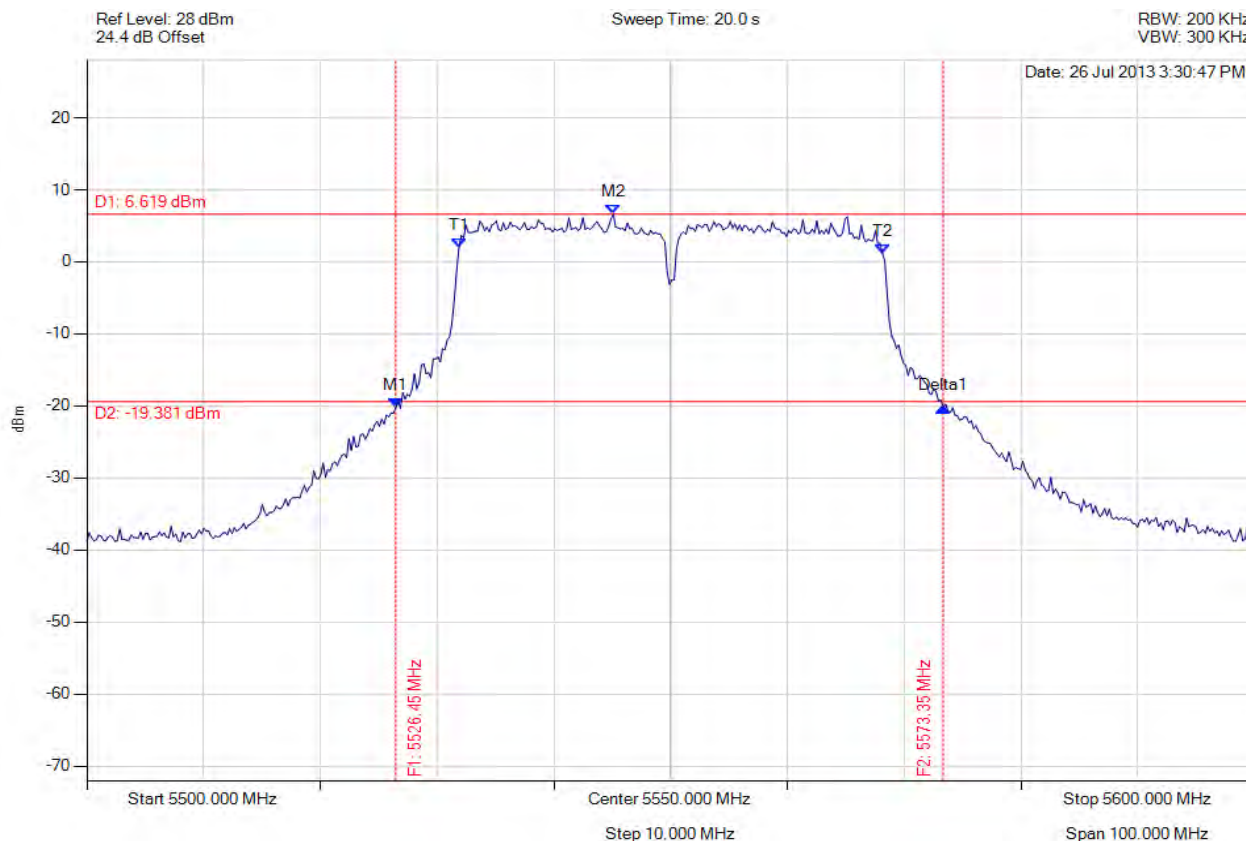
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**26 dB & 99% BANDWIDTH**

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



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

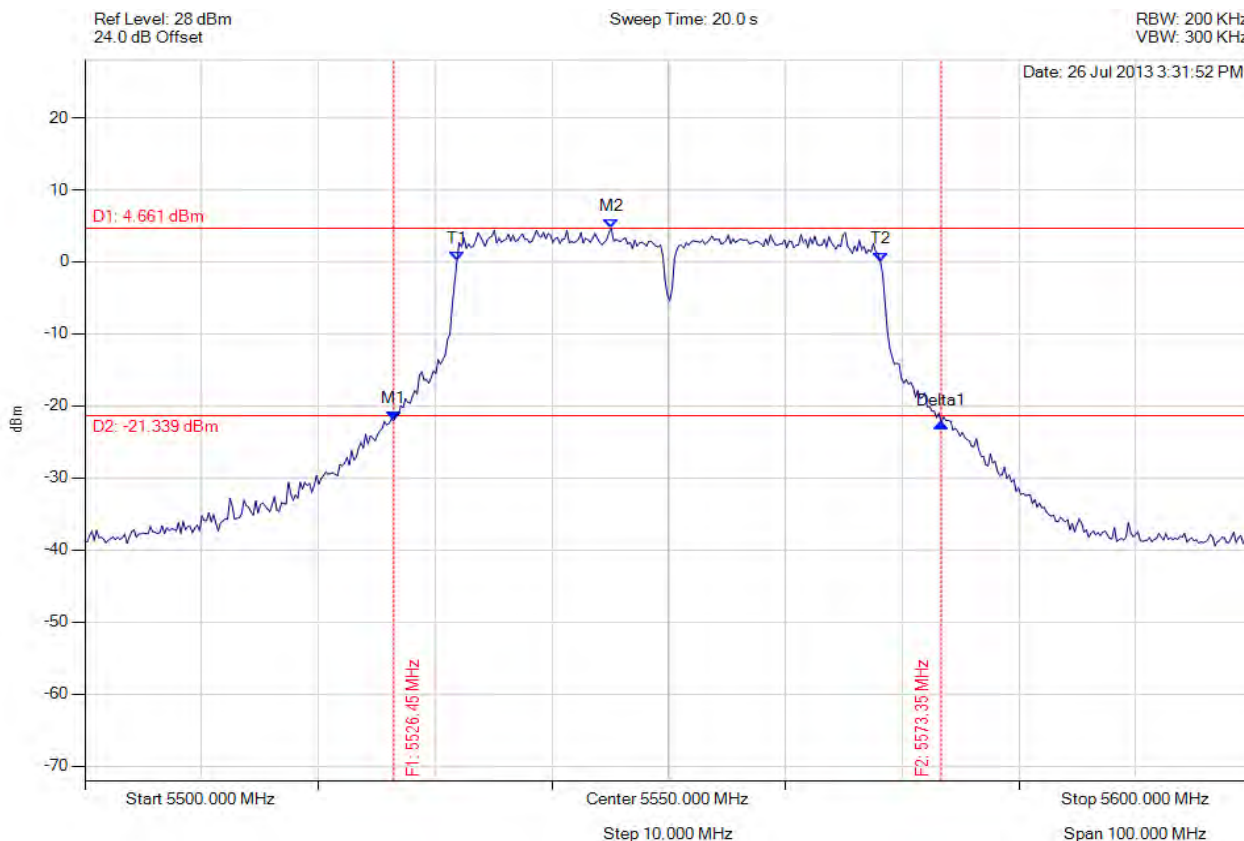
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**26 dB & 99% BANDWIDTH**

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



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

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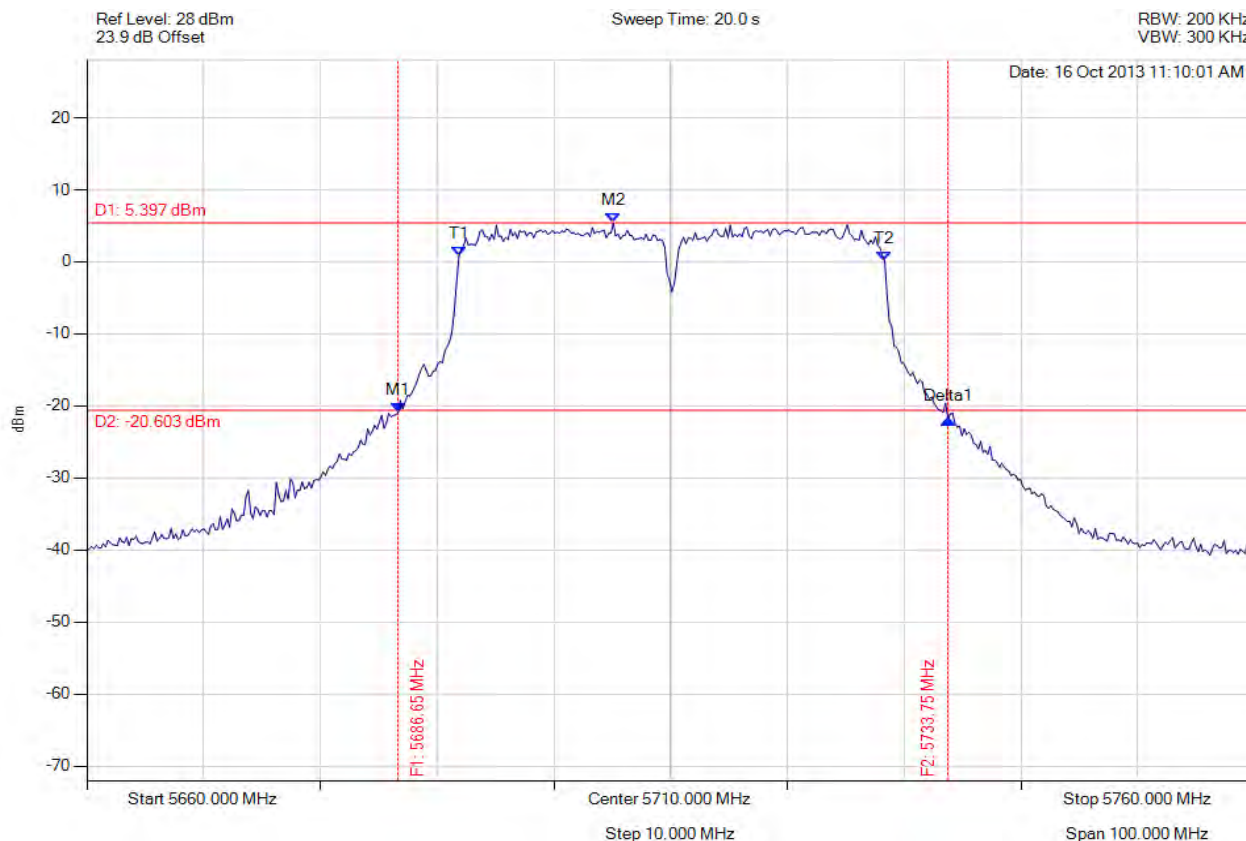
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**26 dB & 99% BANDWIDTH**

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



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

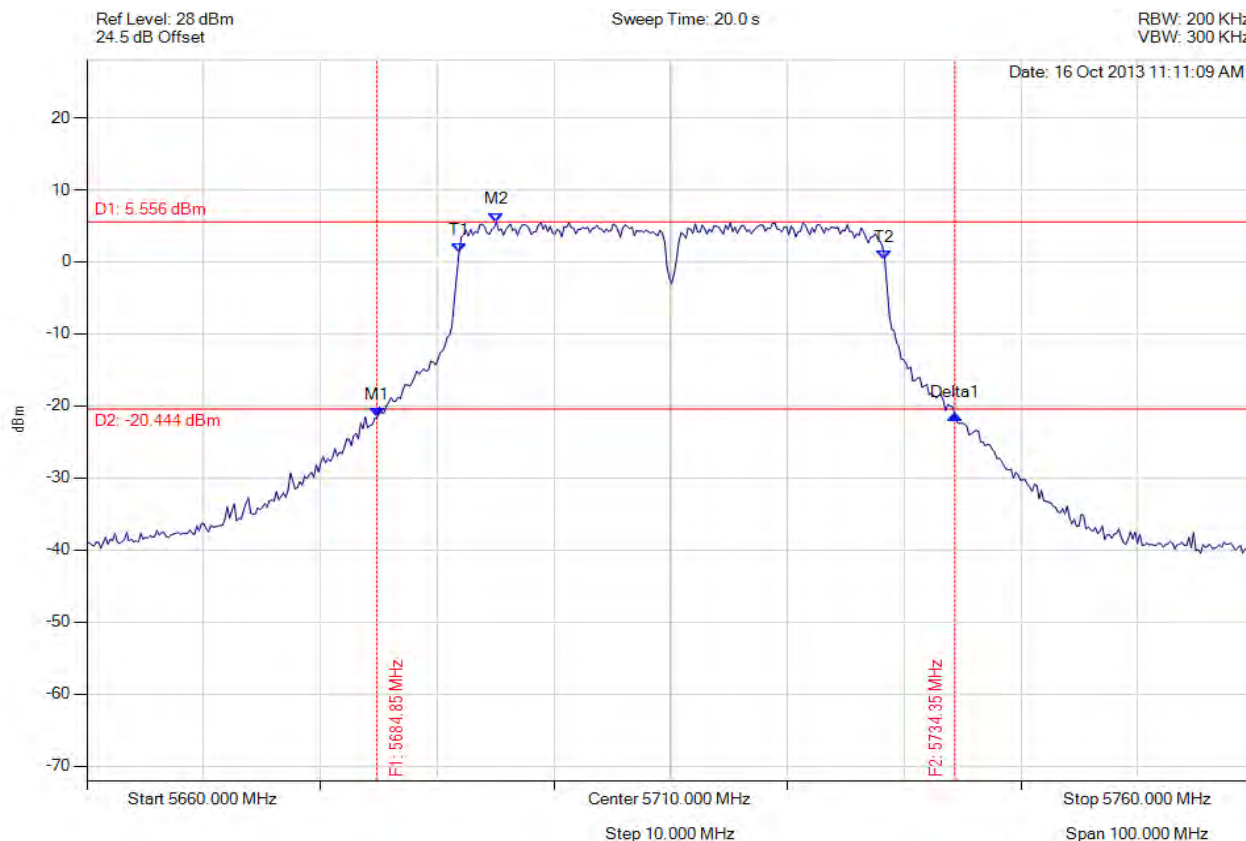
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**26 dB & 99% BANDWIDTH**

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



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

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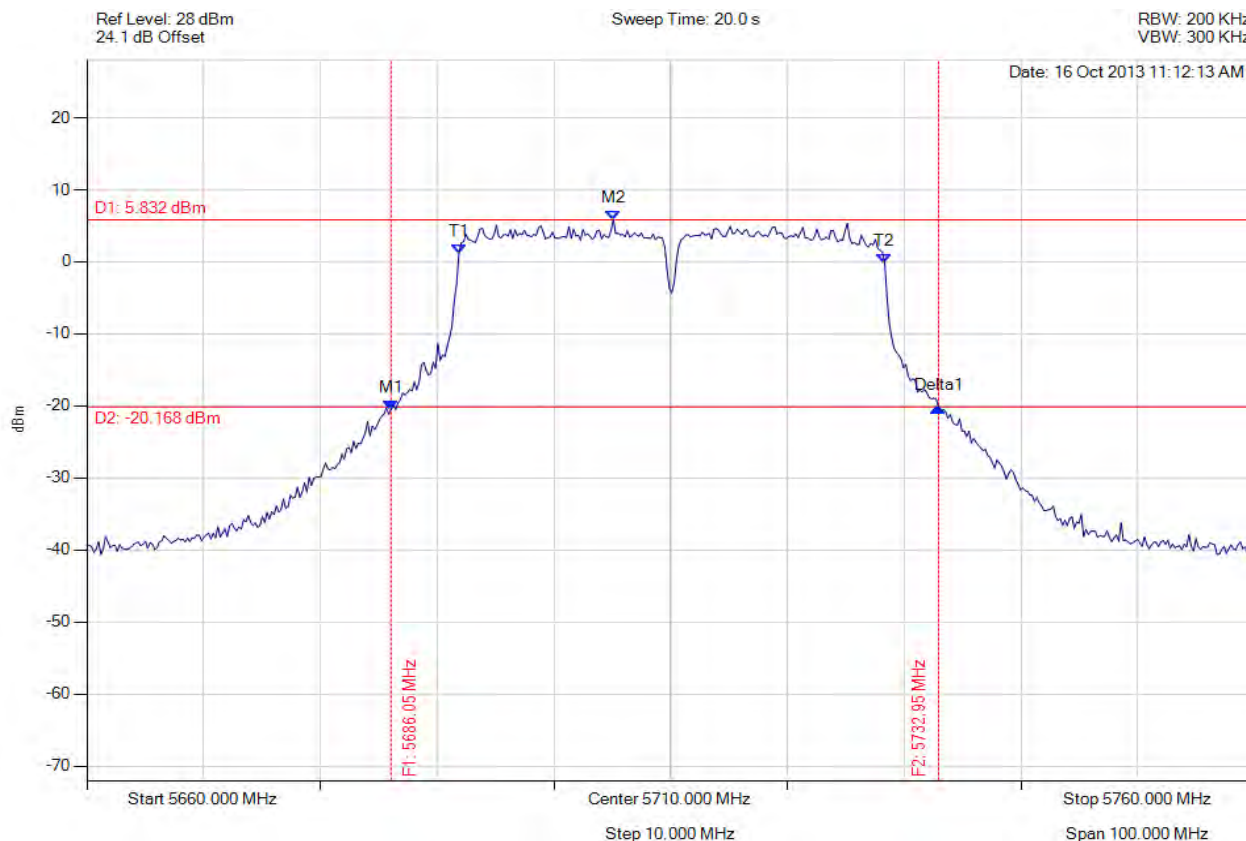


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
**To:** FCC 47 CFR Part 15.407 & IC RSS-210  
**Serial #:** HPWD41-U6 Rev B  
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**26 dB & 99% BANDWIDTH**

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



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

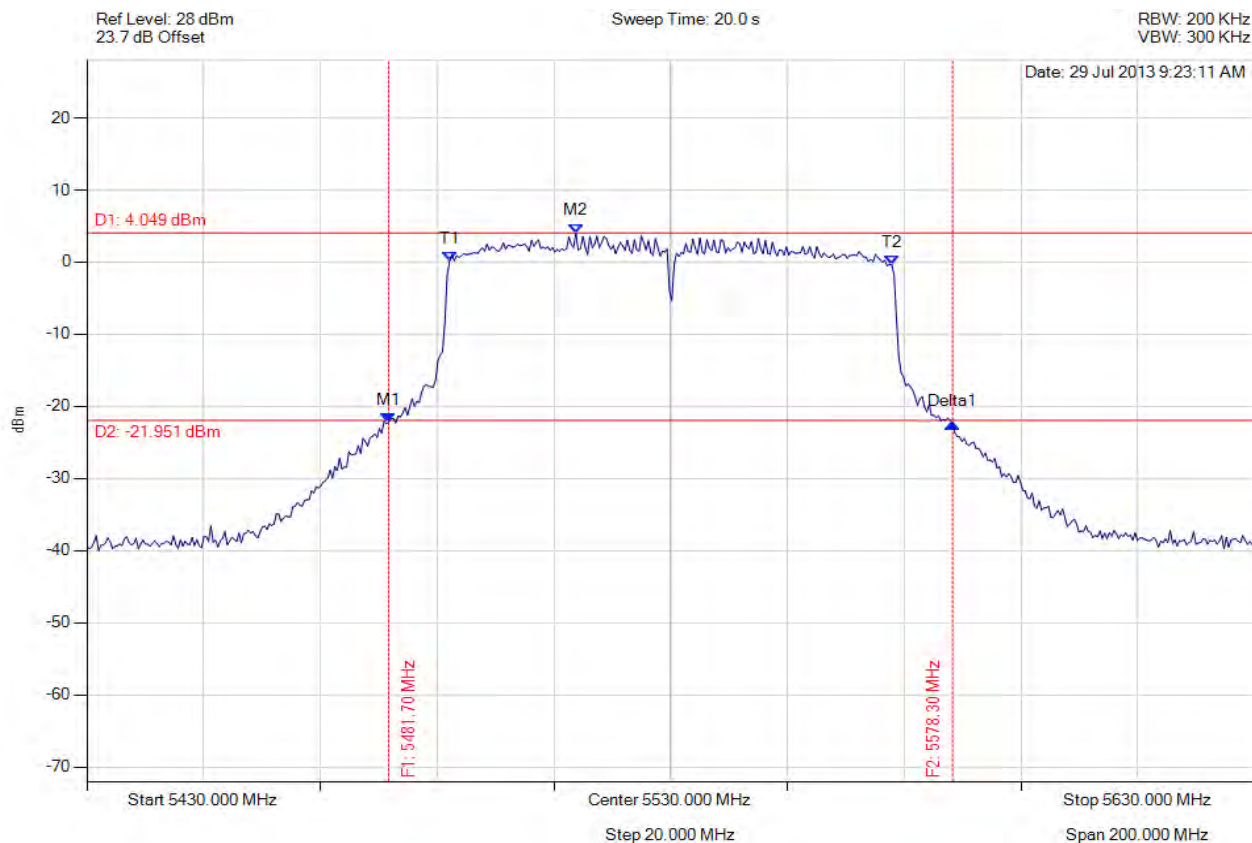
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**26 dB & 99% BANDWIDTH**

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



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

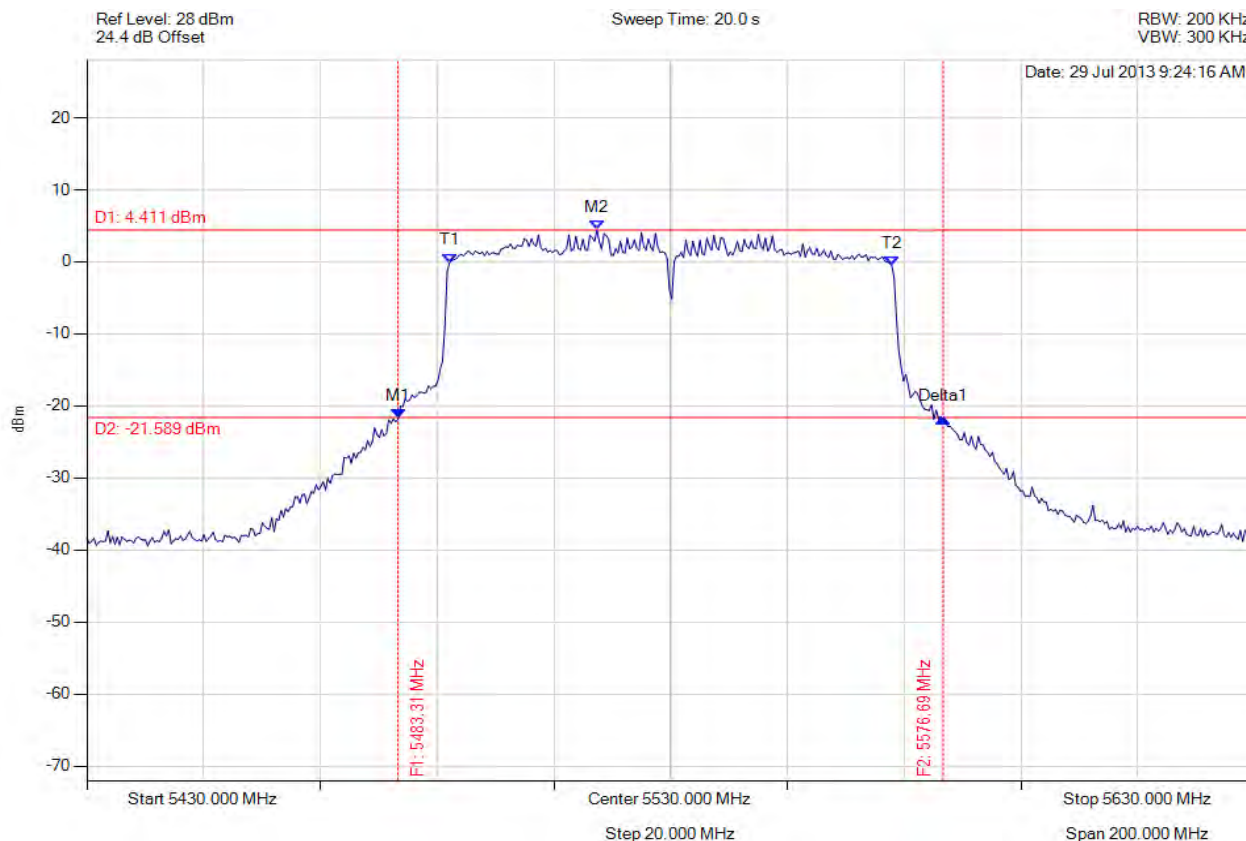
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**26 dB & 99% BANDWIDTH**

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



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

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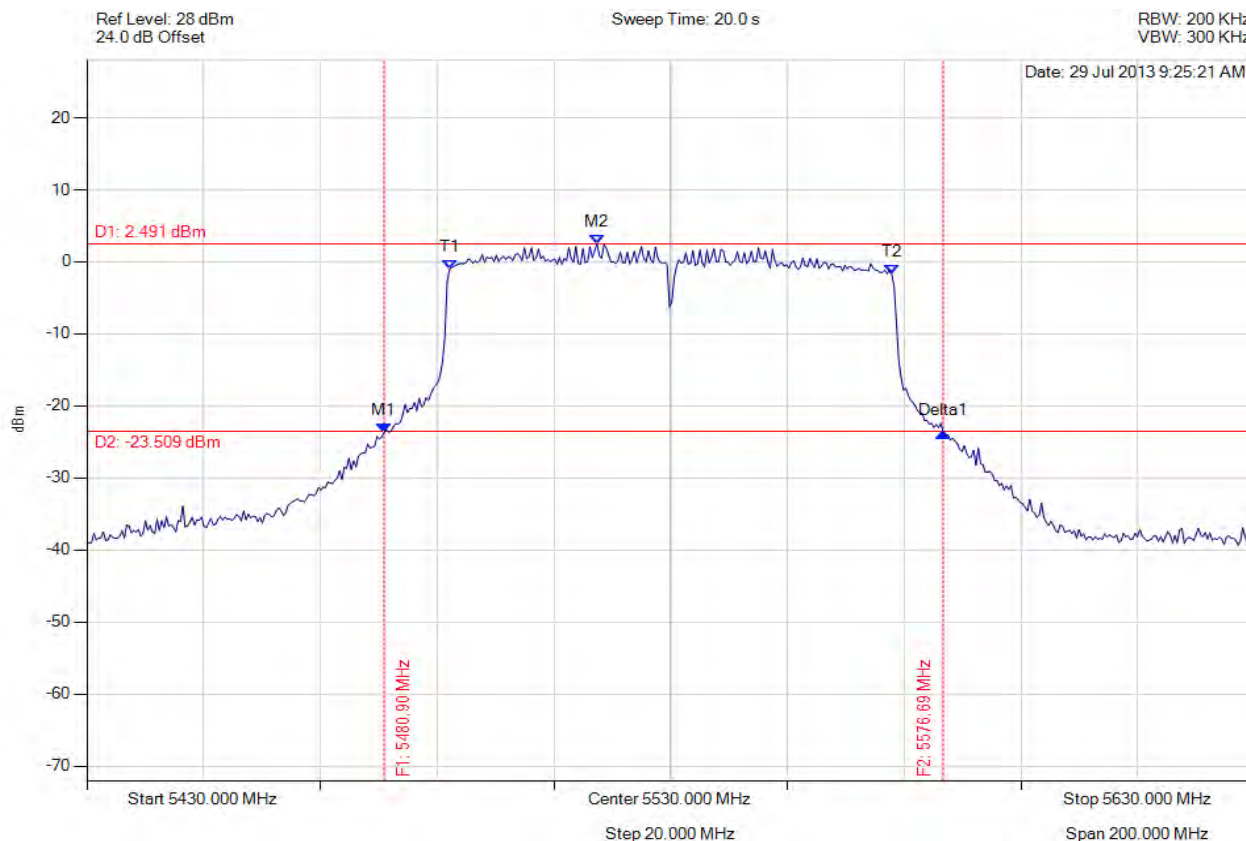


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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**26 dB & 99% BANDWIDTH**

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



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

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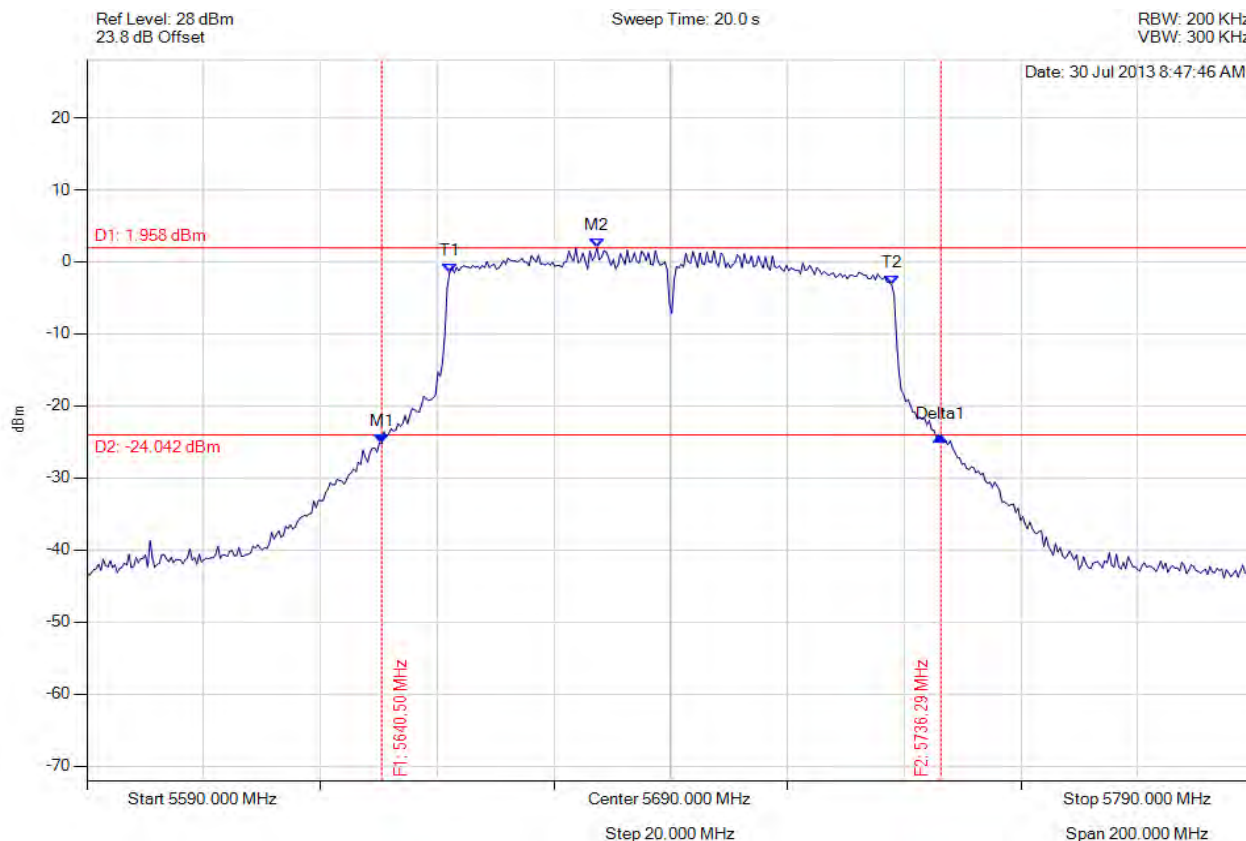


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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**26 dB & 99% BANDWIDTH**

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



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

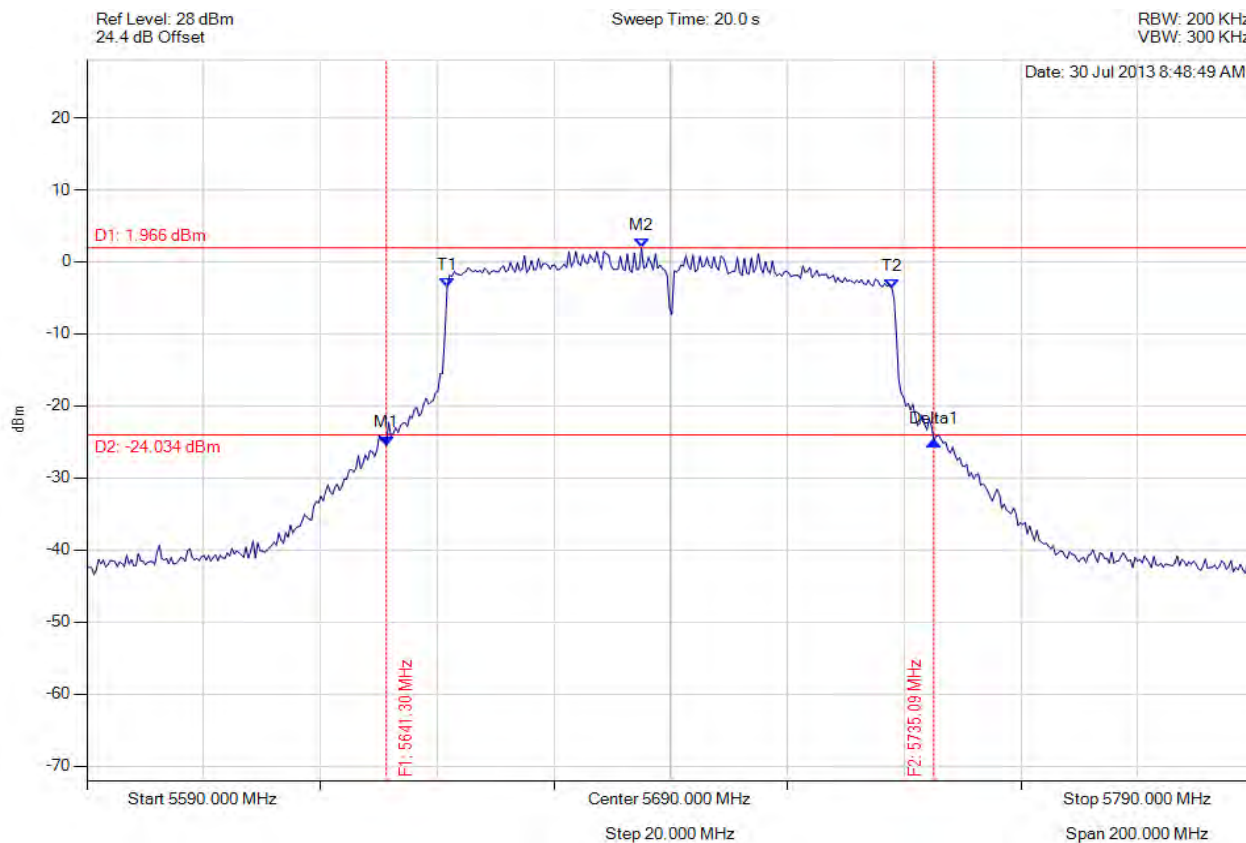
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**26 dB & 99% BANDWIDTH**

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



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

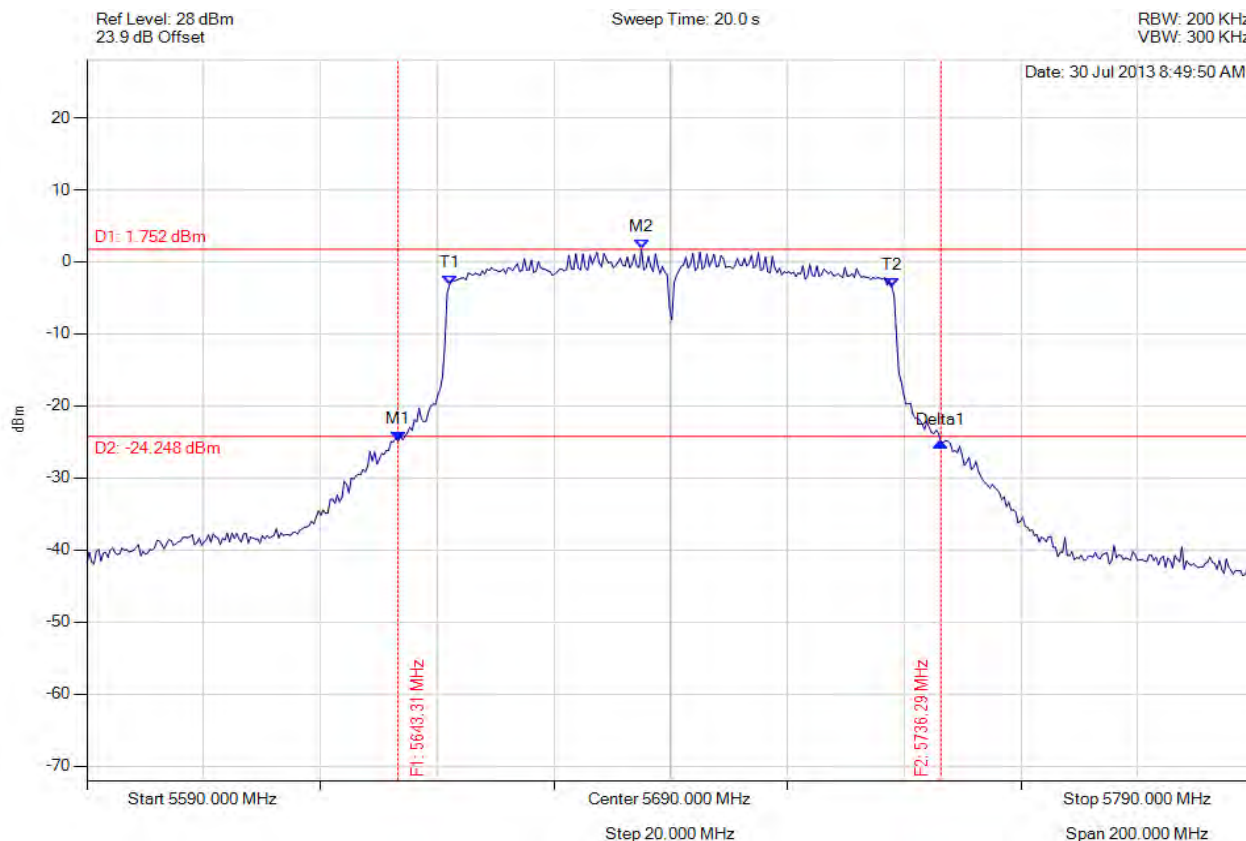
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**26 dB & 99% BANDWIDTH**

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



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

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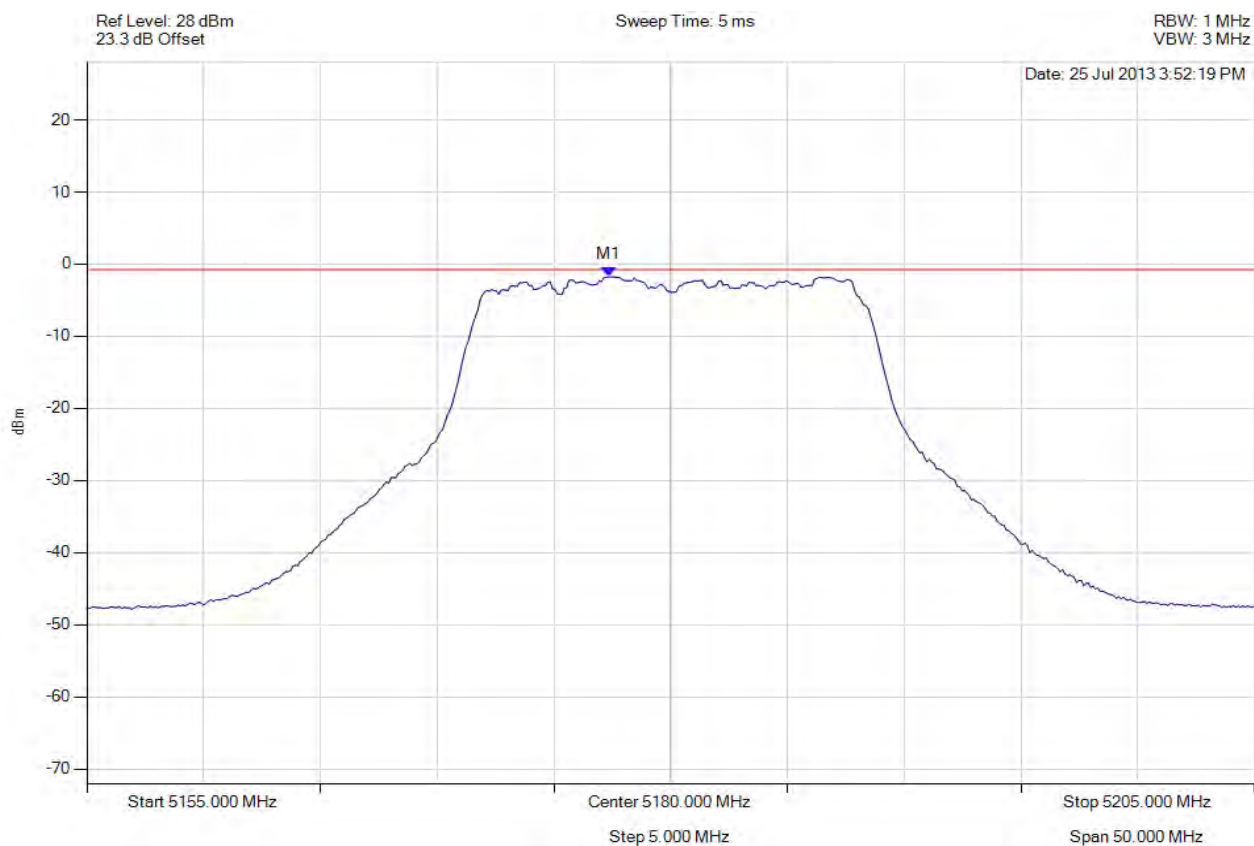
**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### A.1.2. Peak Power Spectral Density



#### PEAK POWER SPECTRAL DENSITY

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



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

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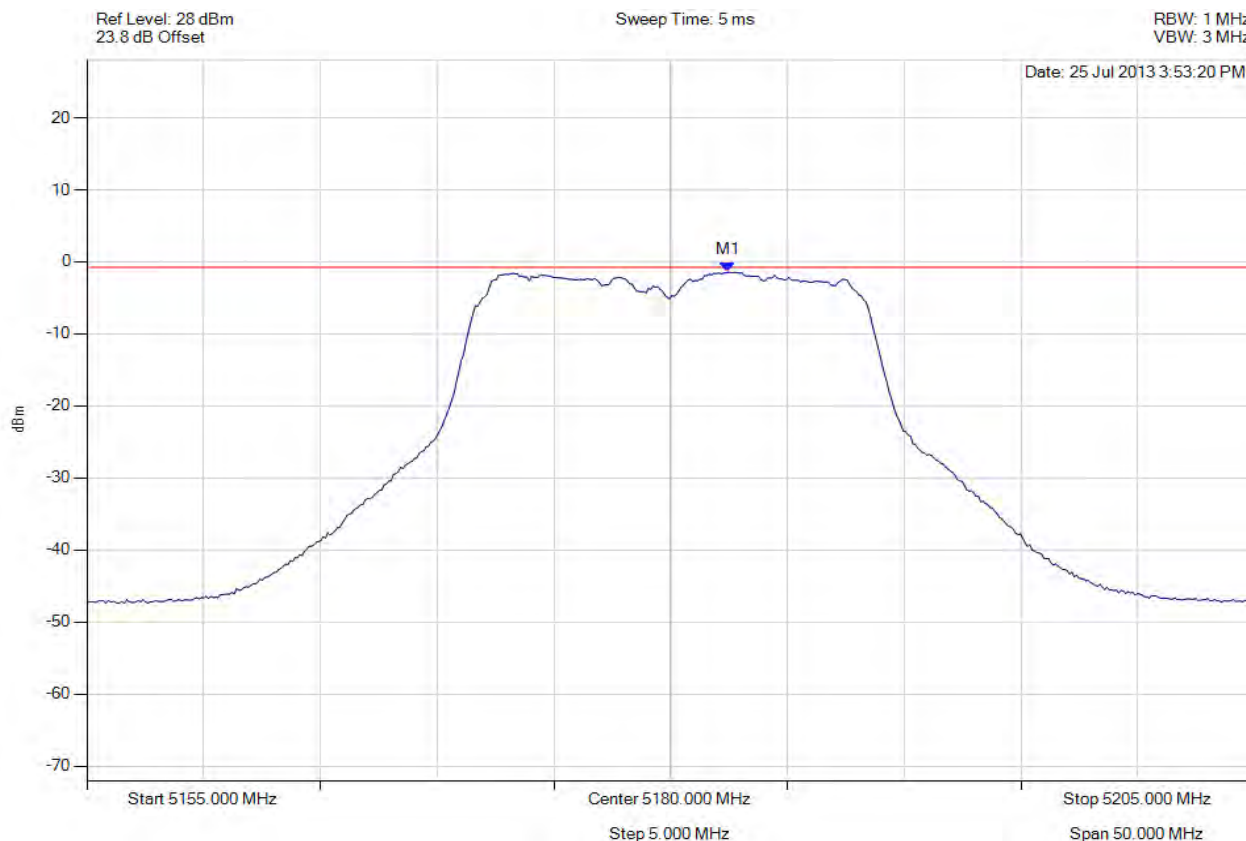


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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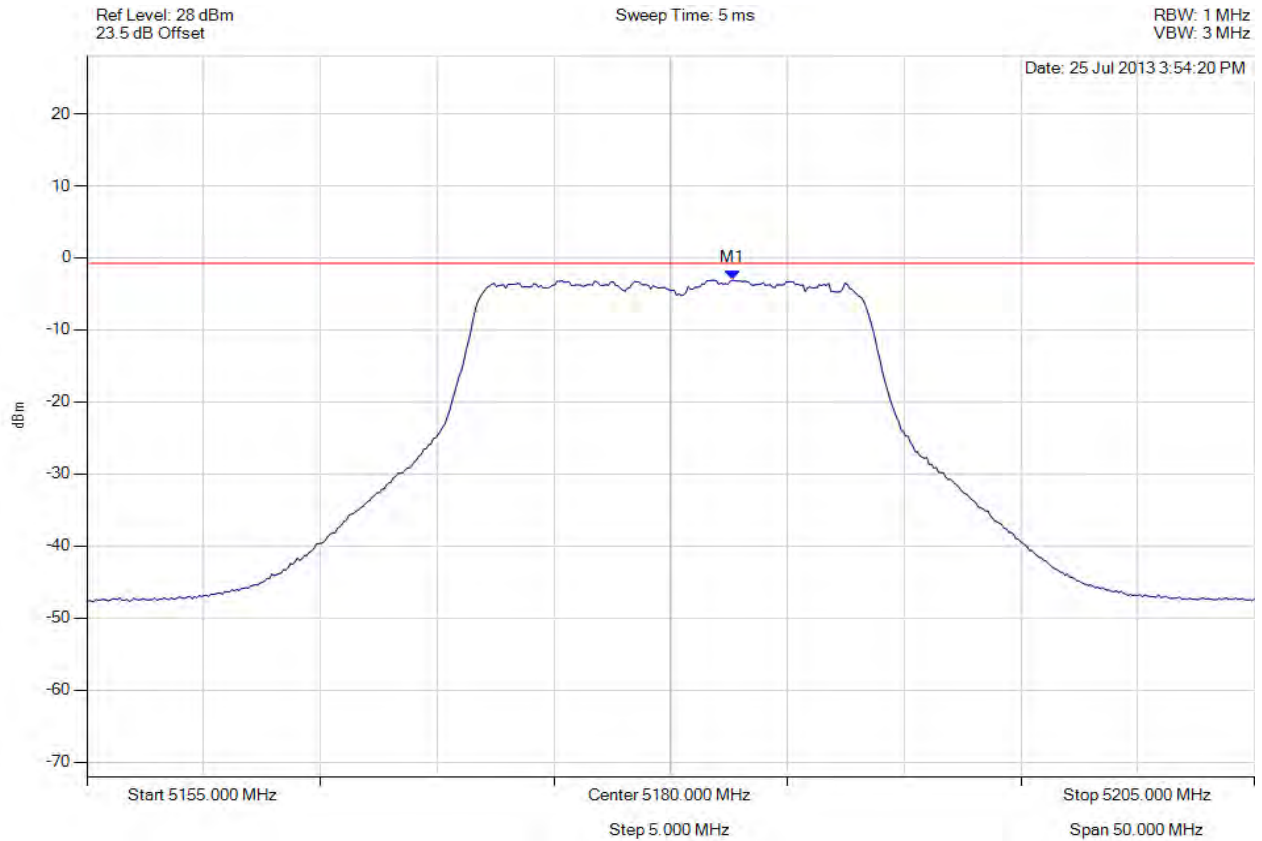


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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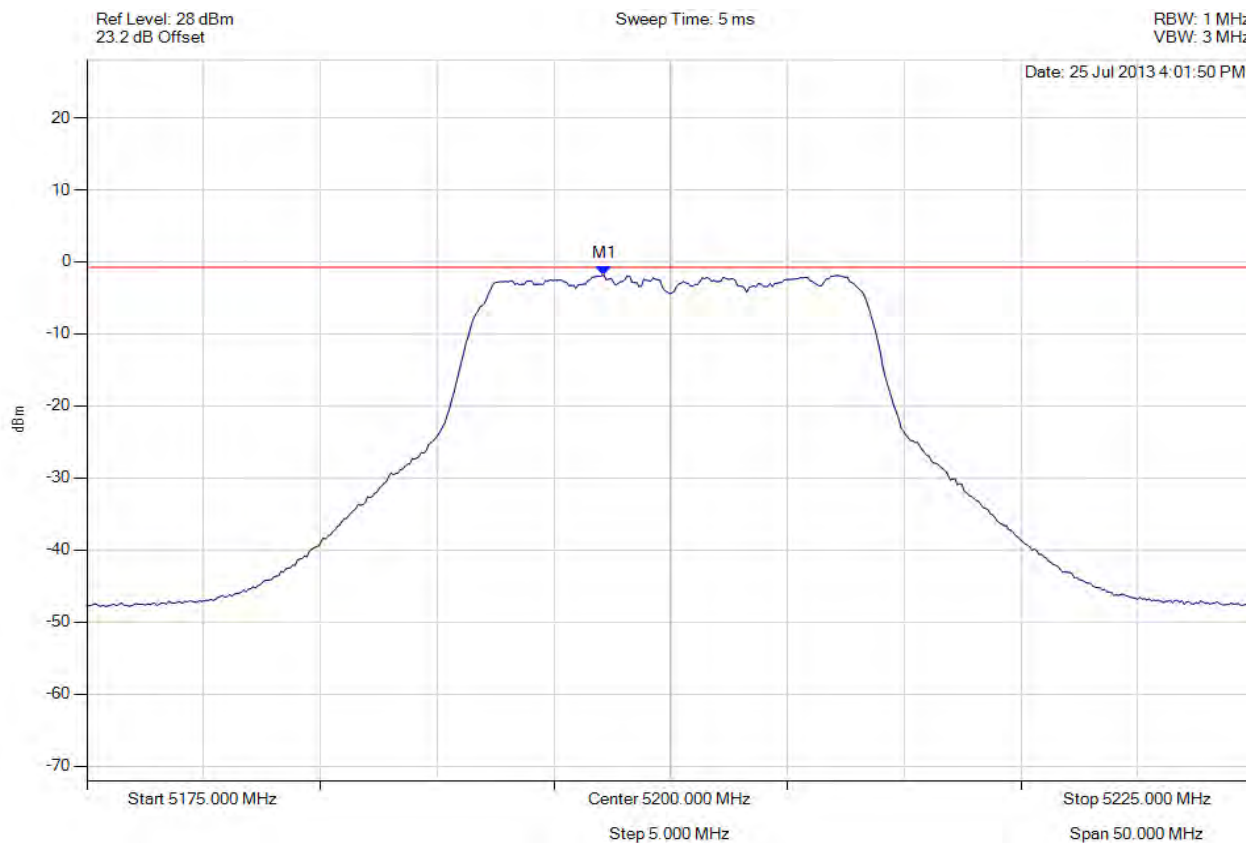


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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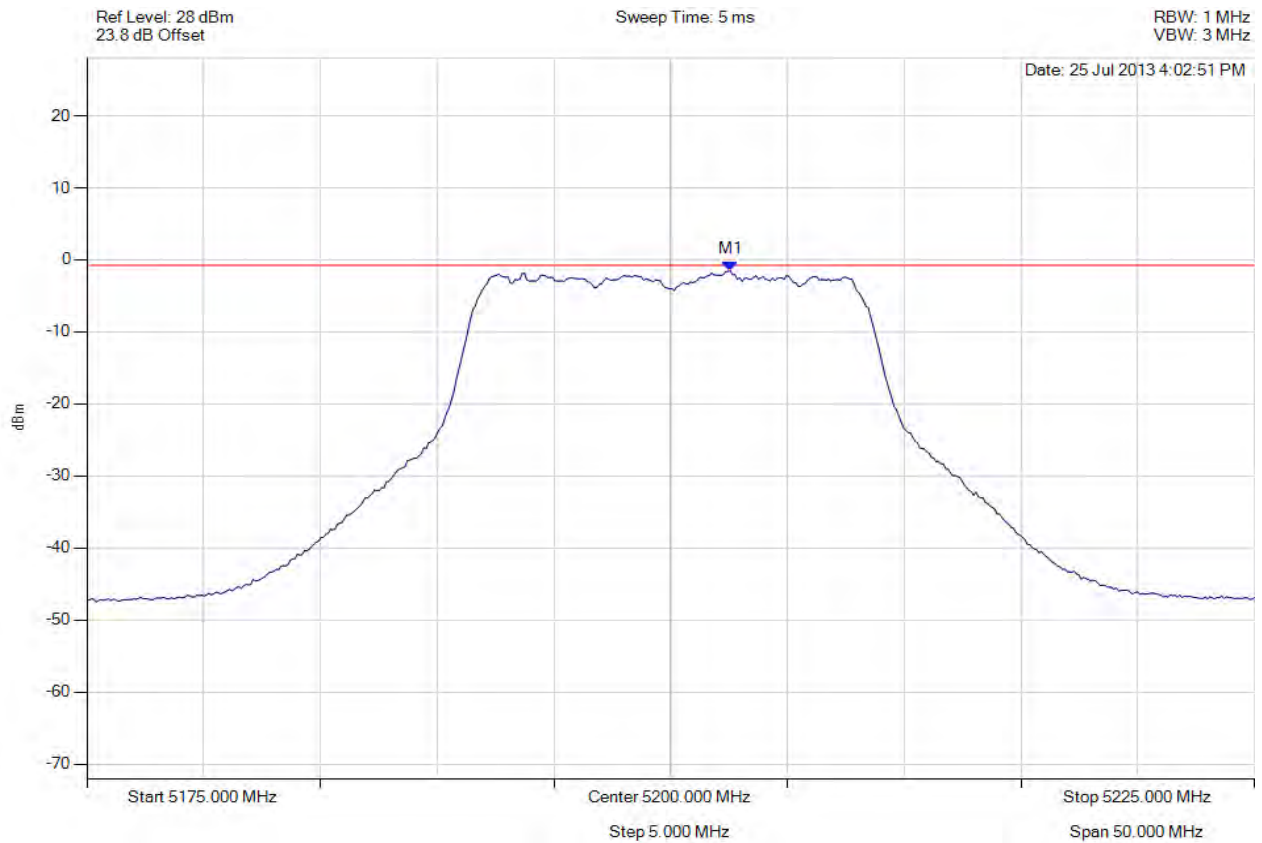


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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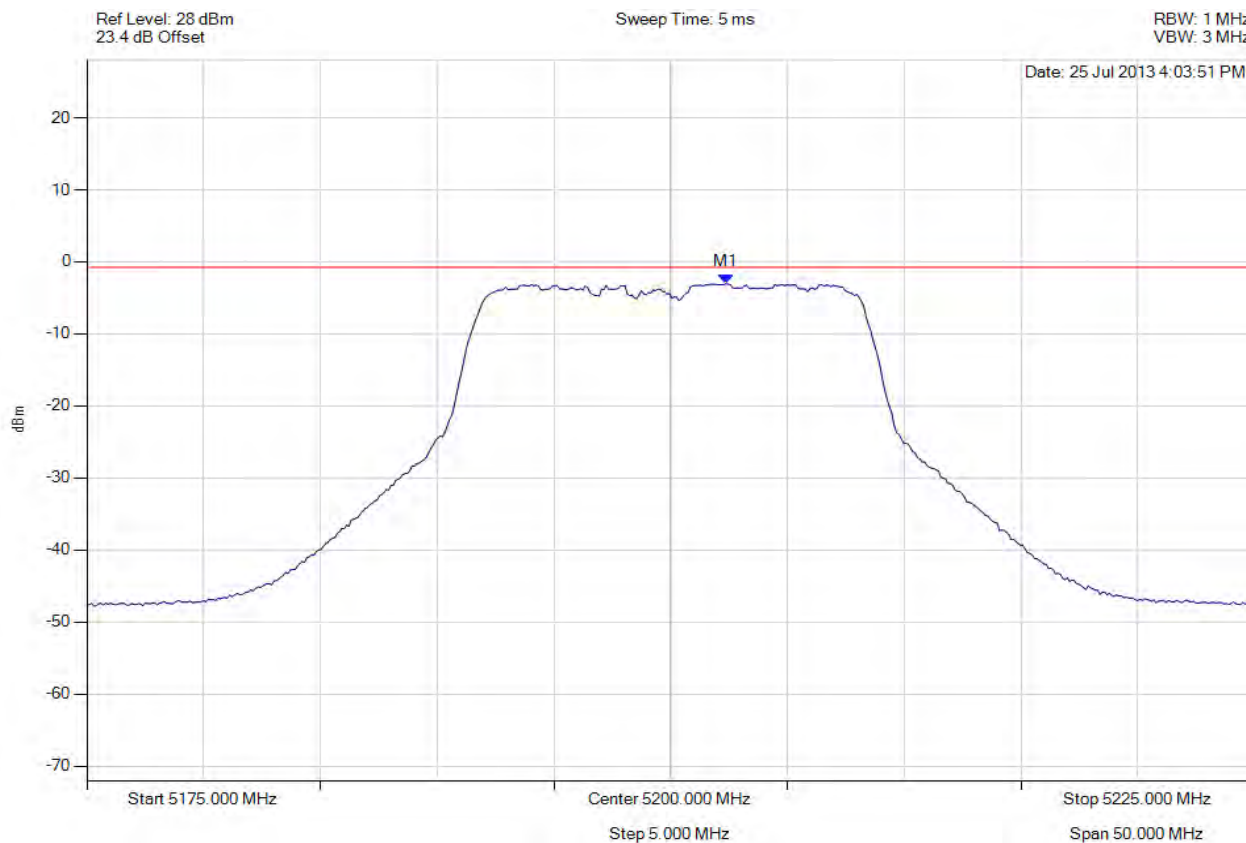


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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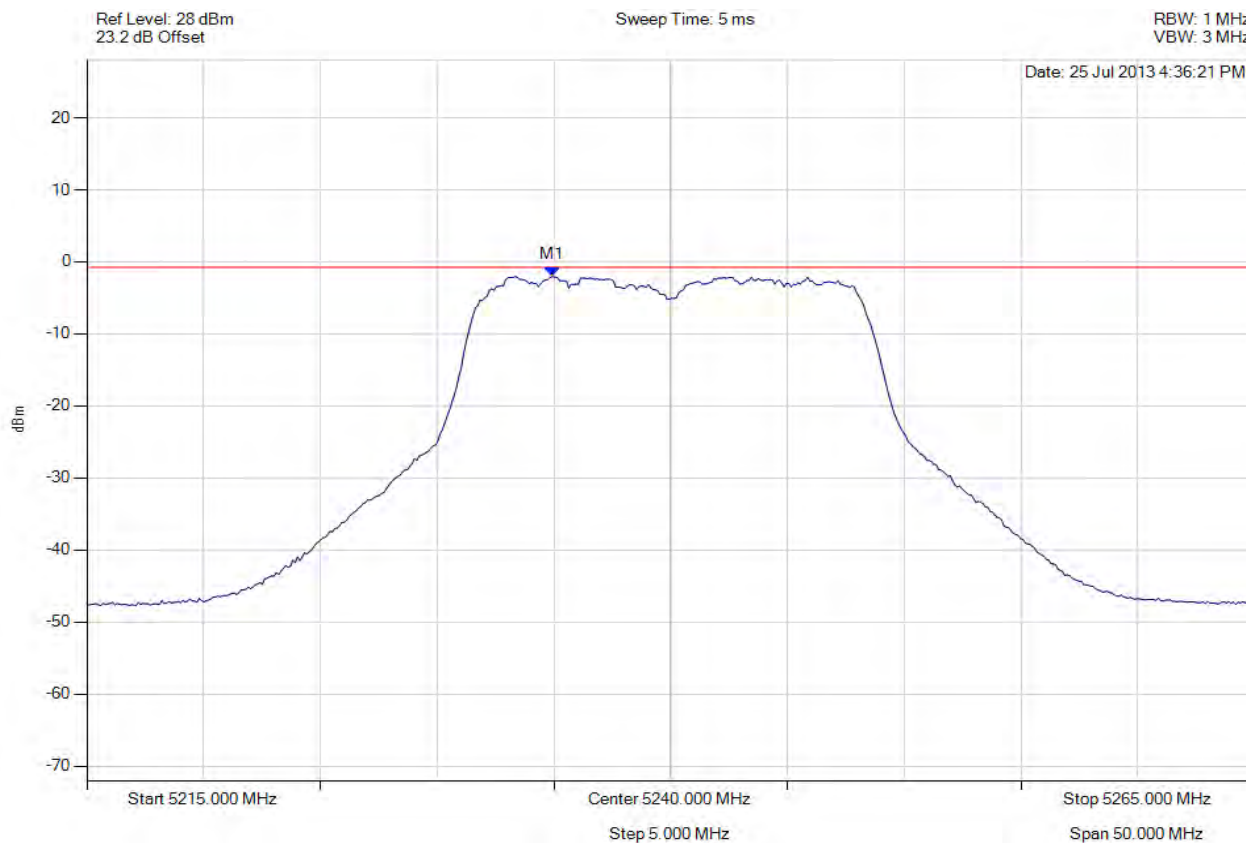


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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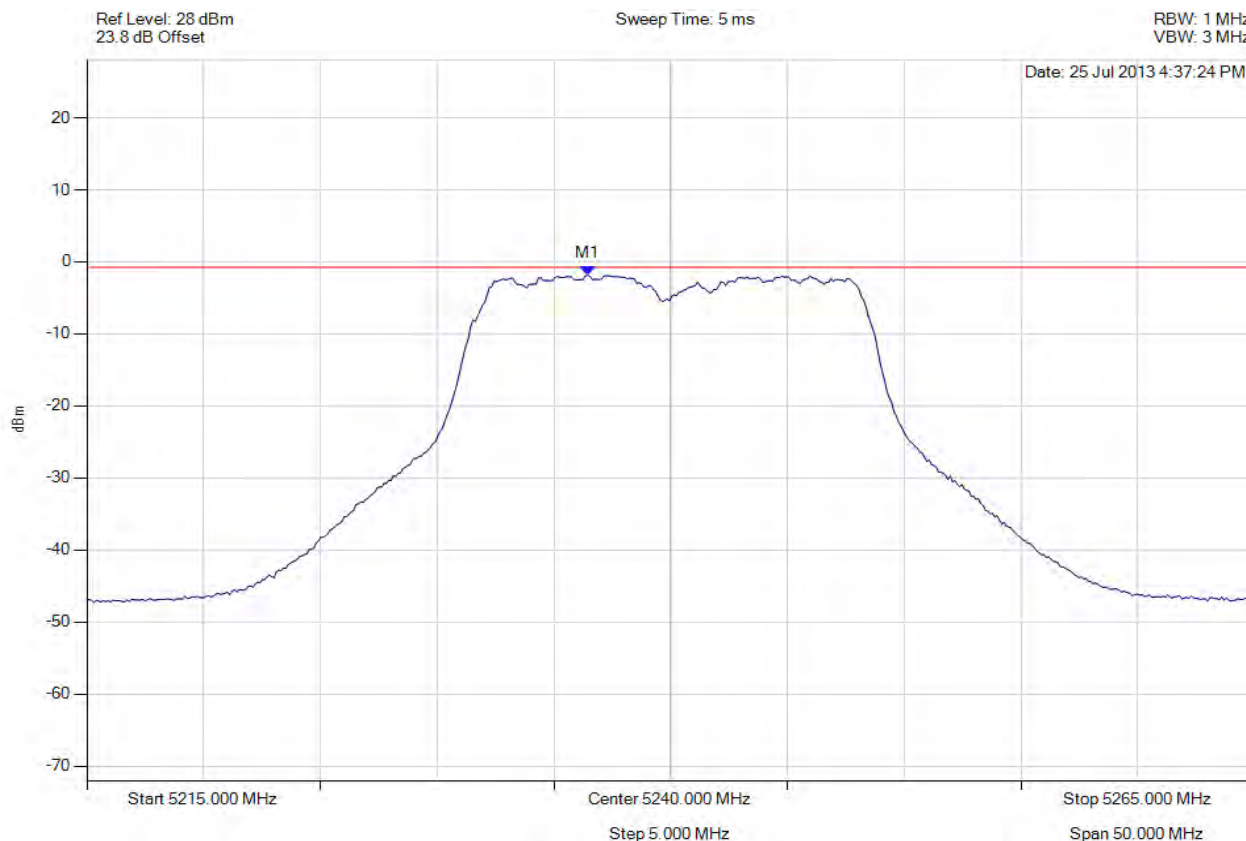


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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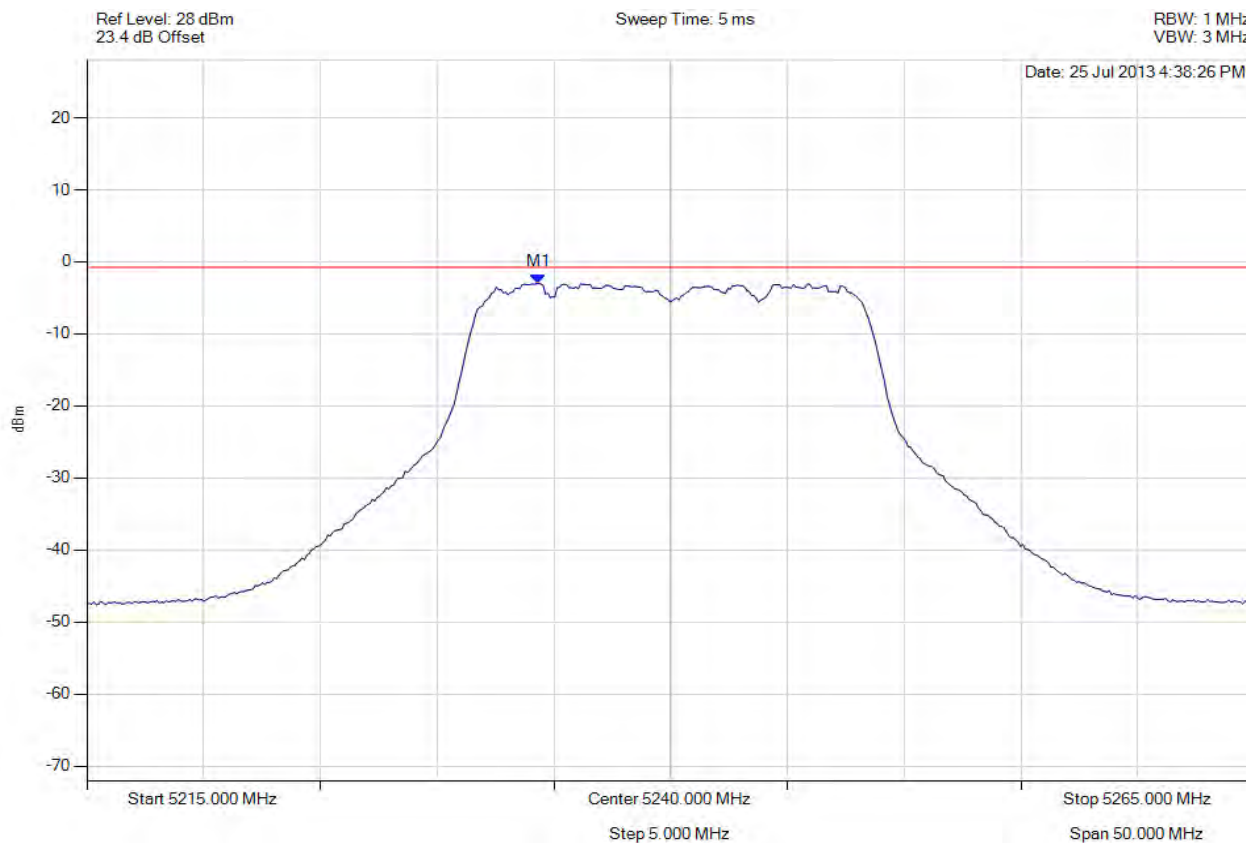


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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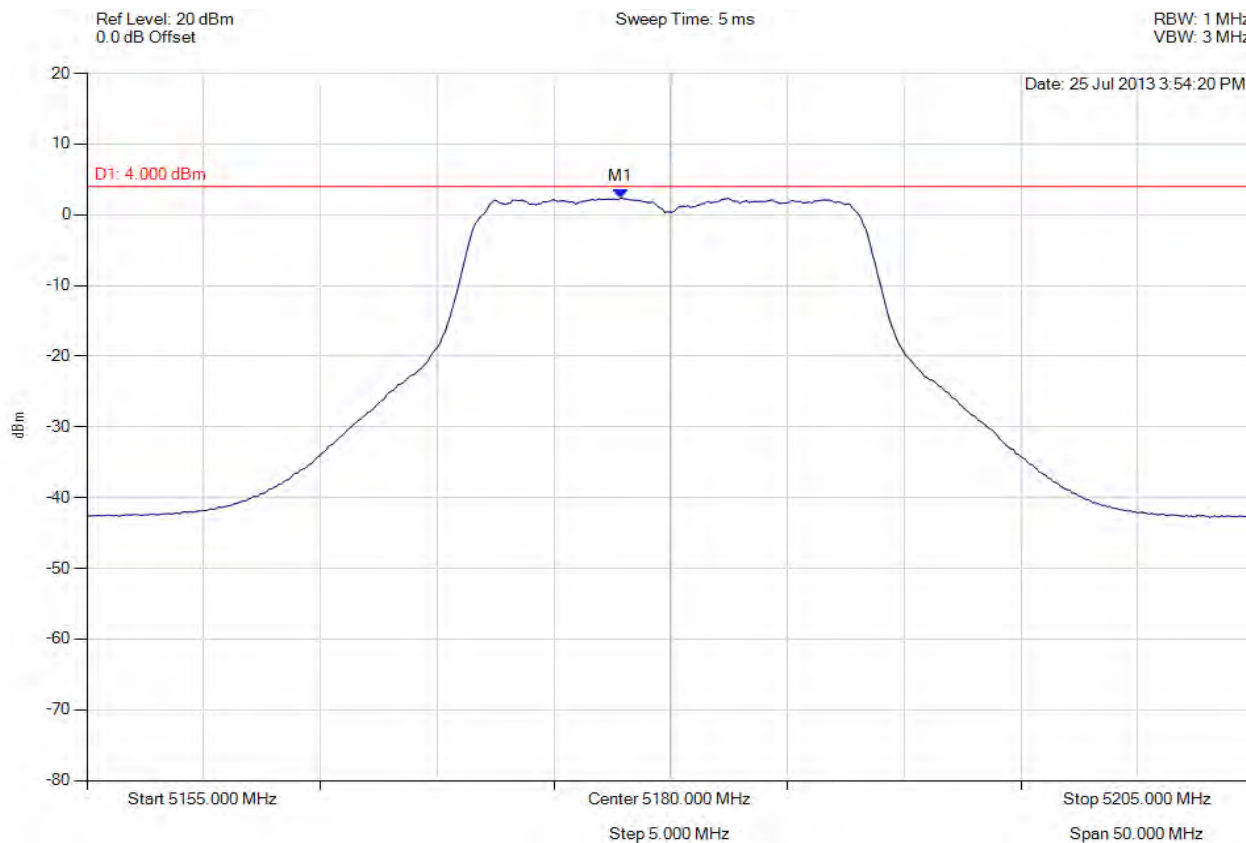


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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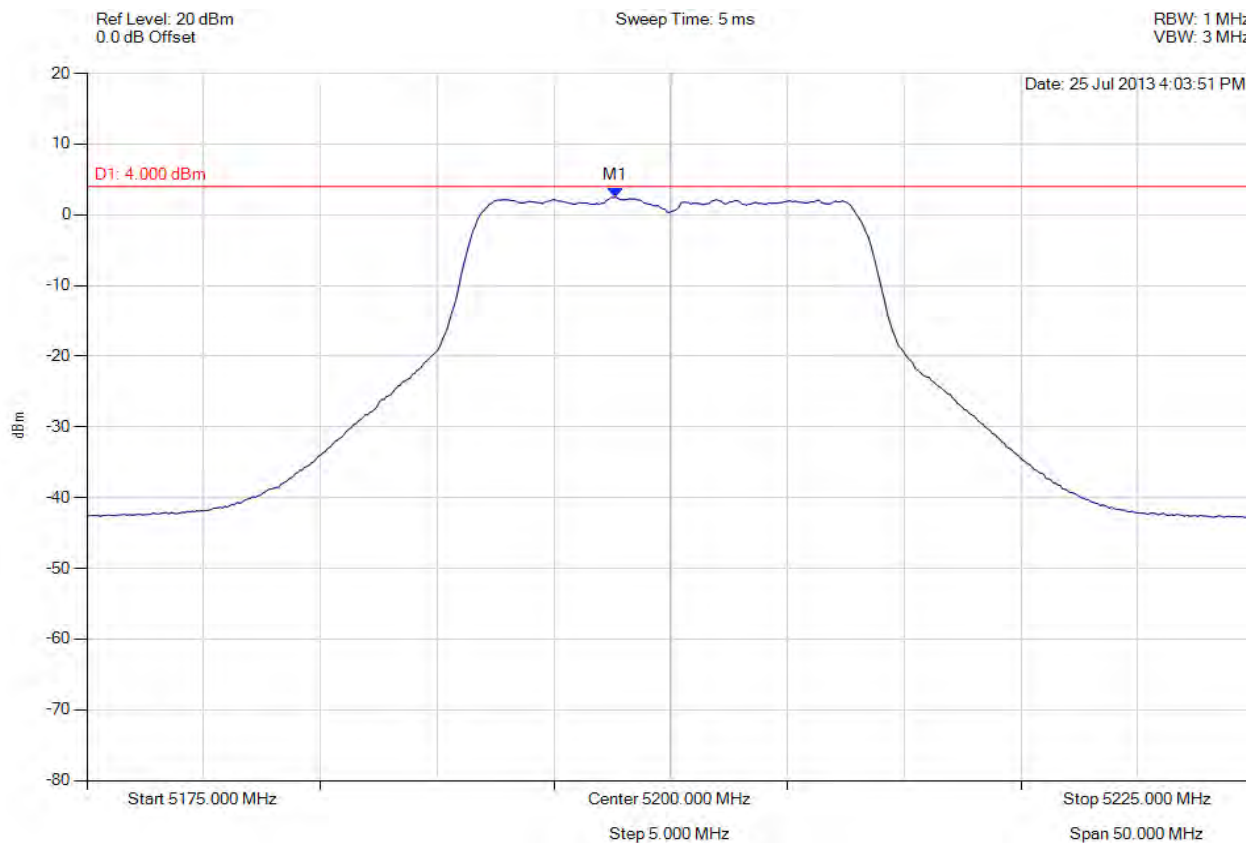


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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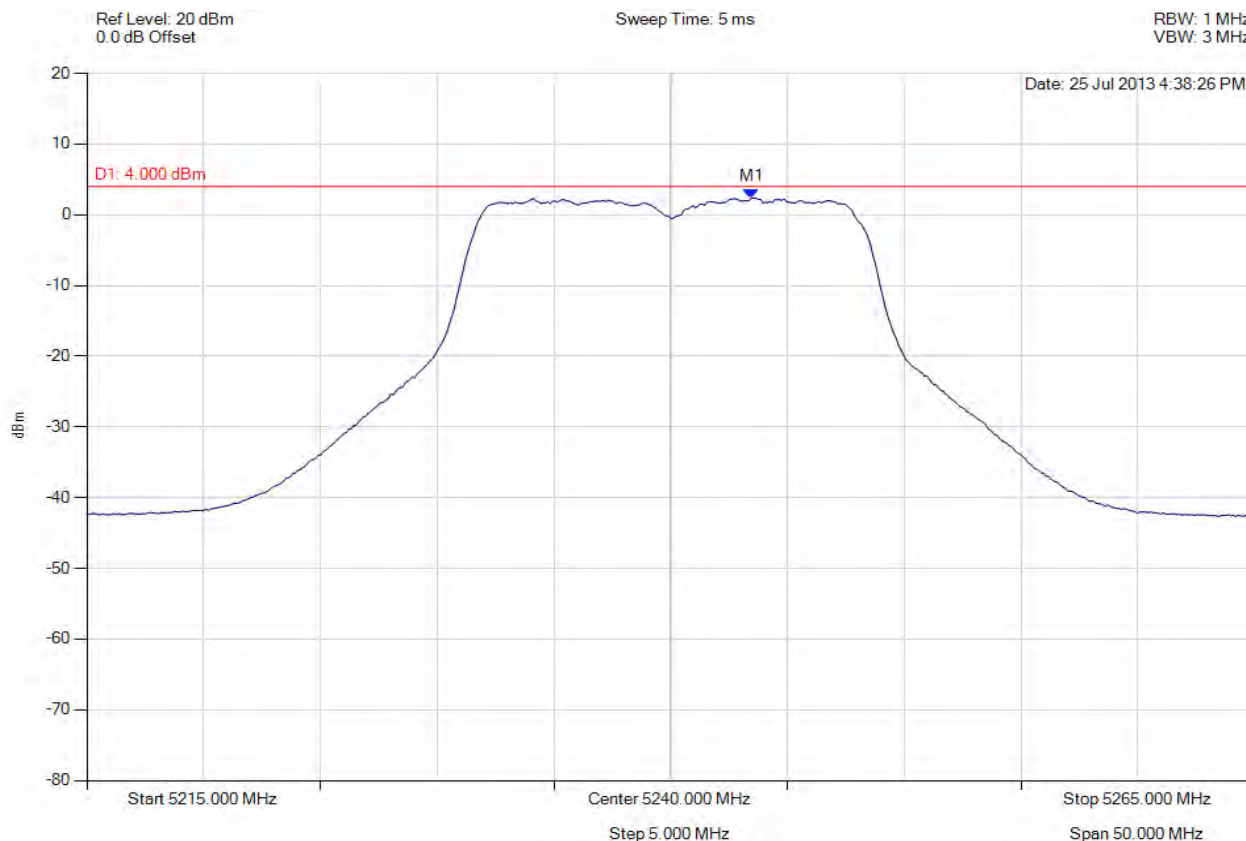


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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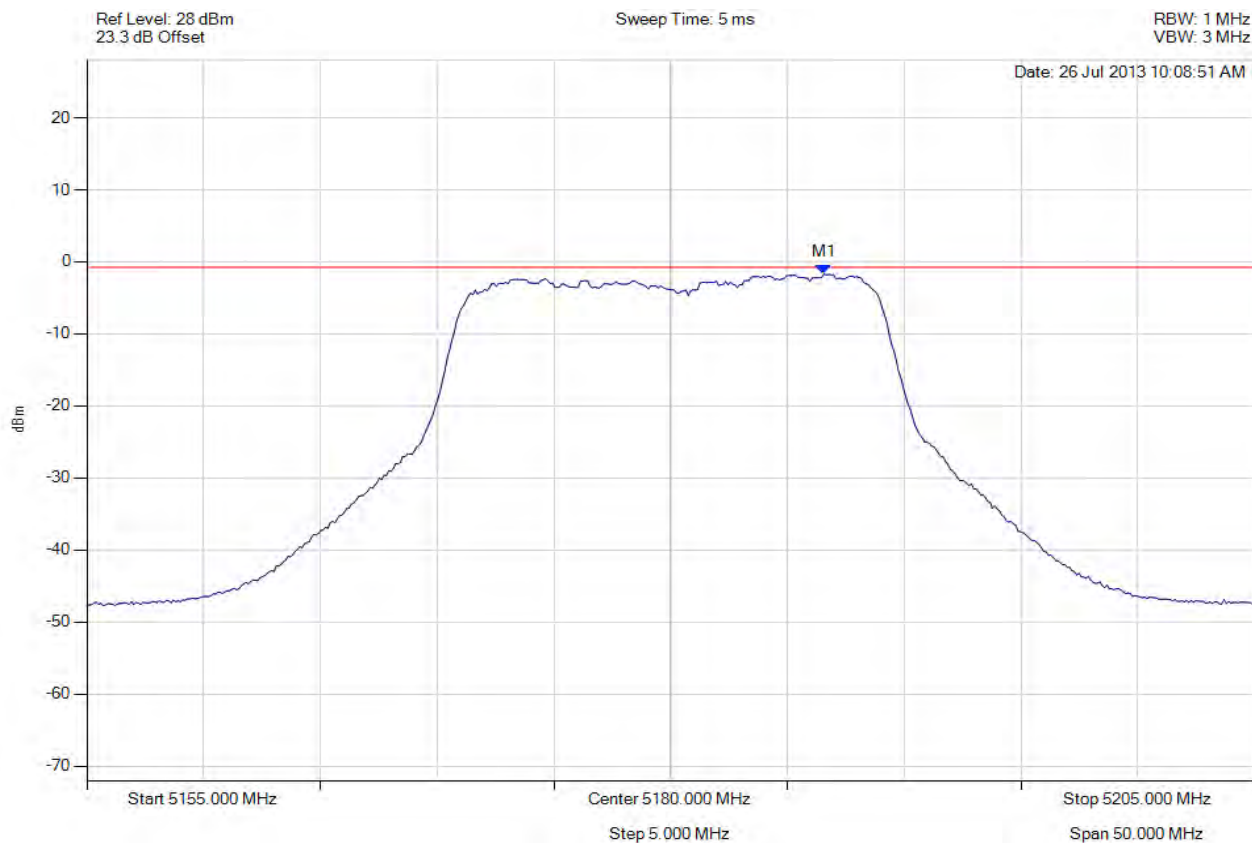


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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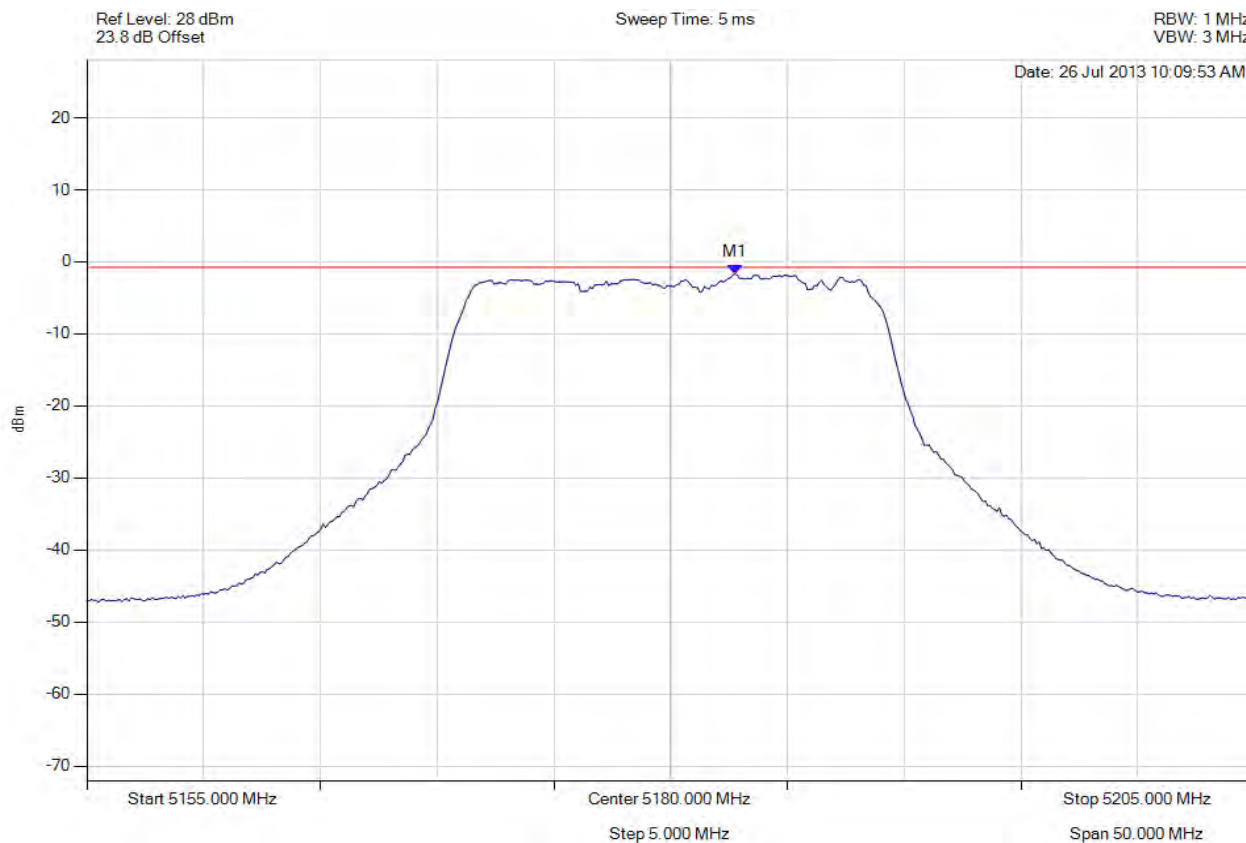


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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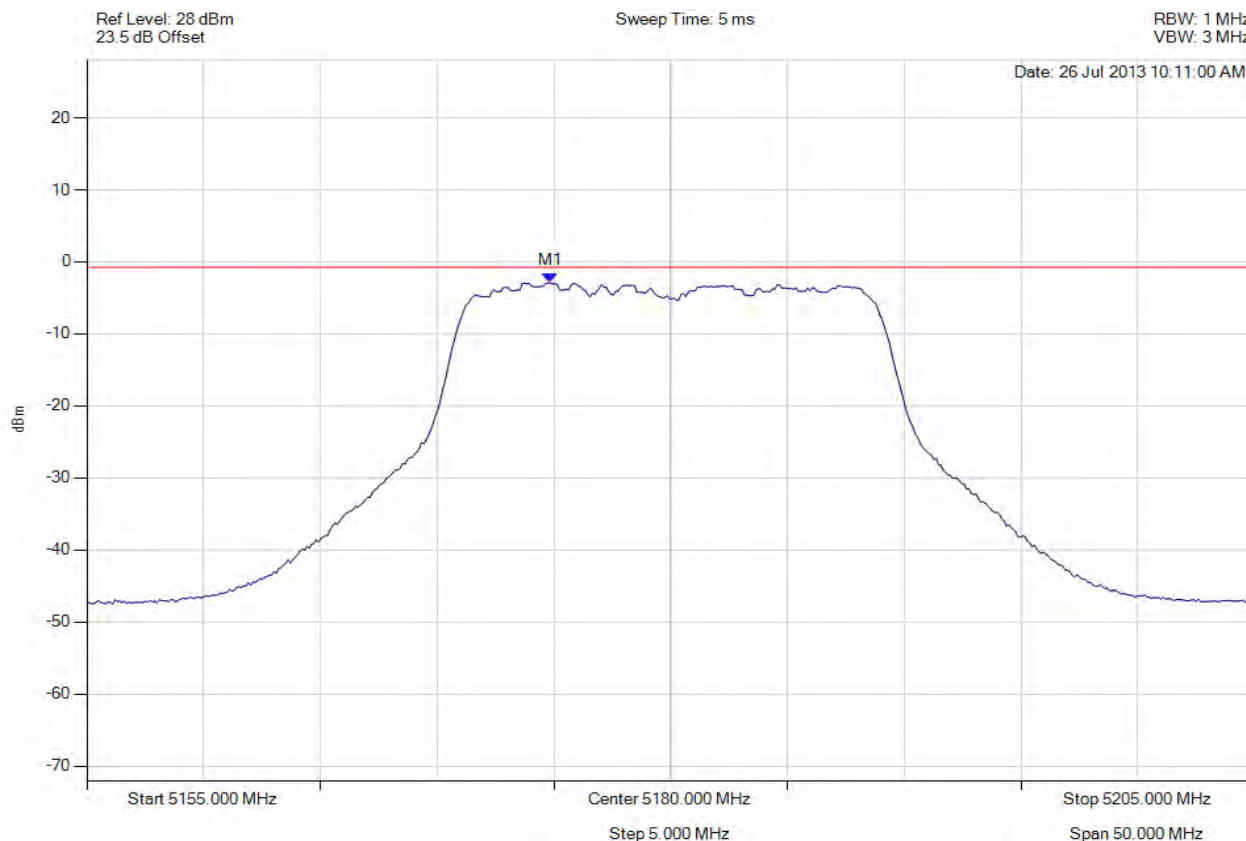


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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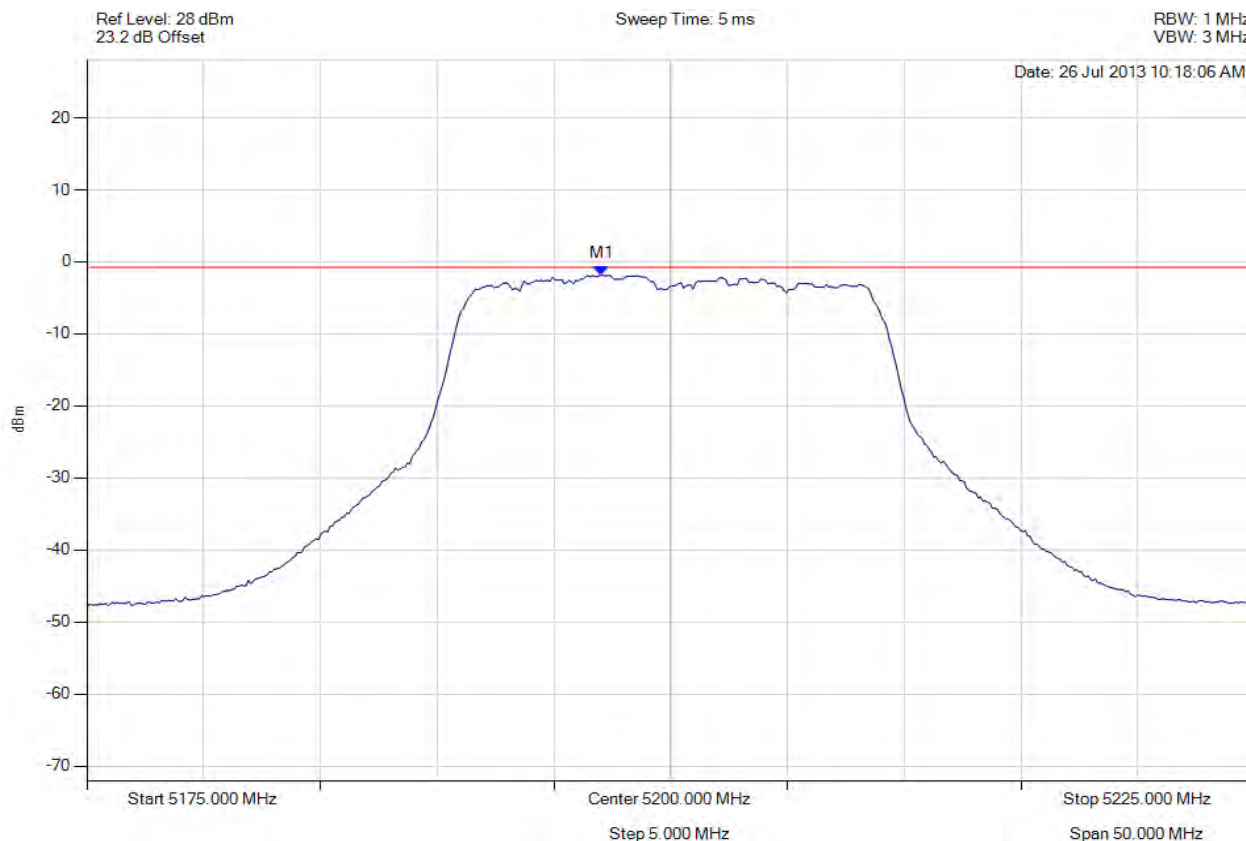


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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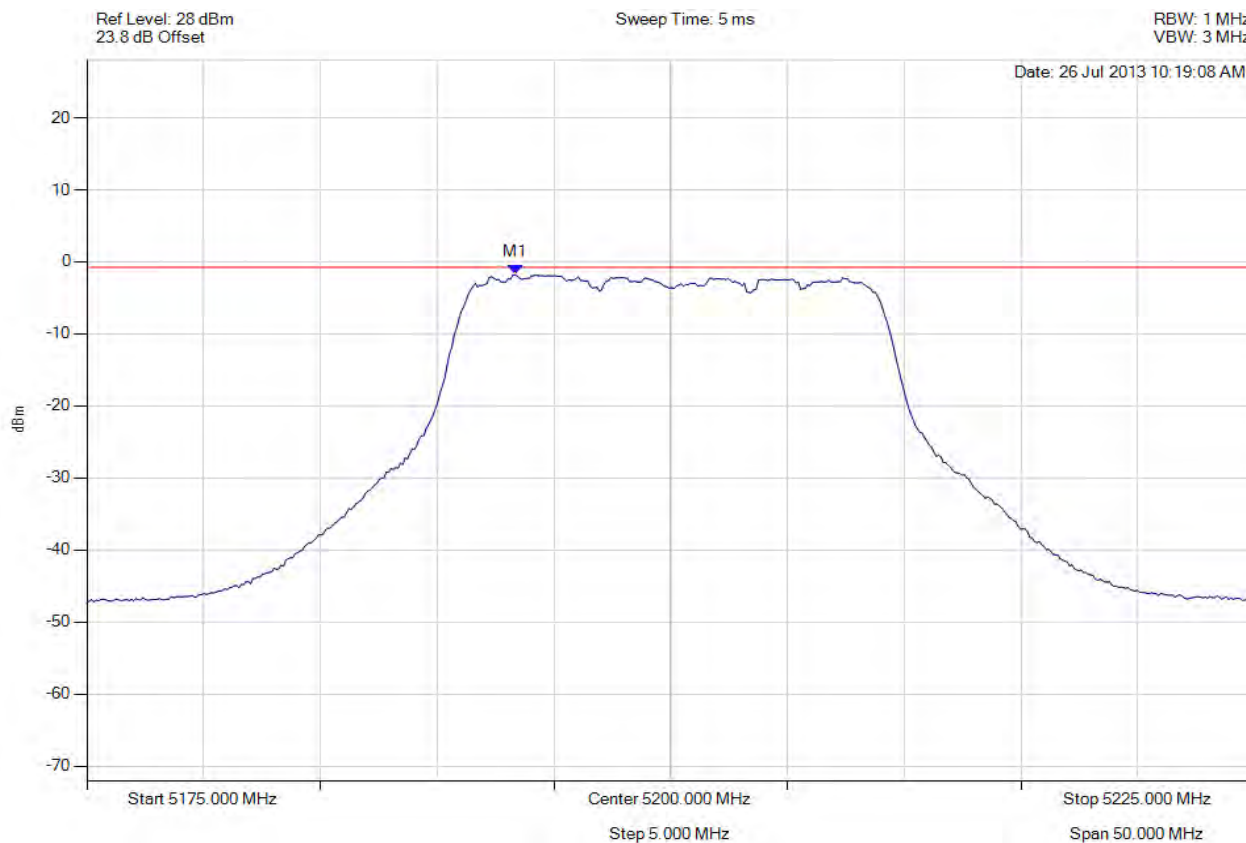


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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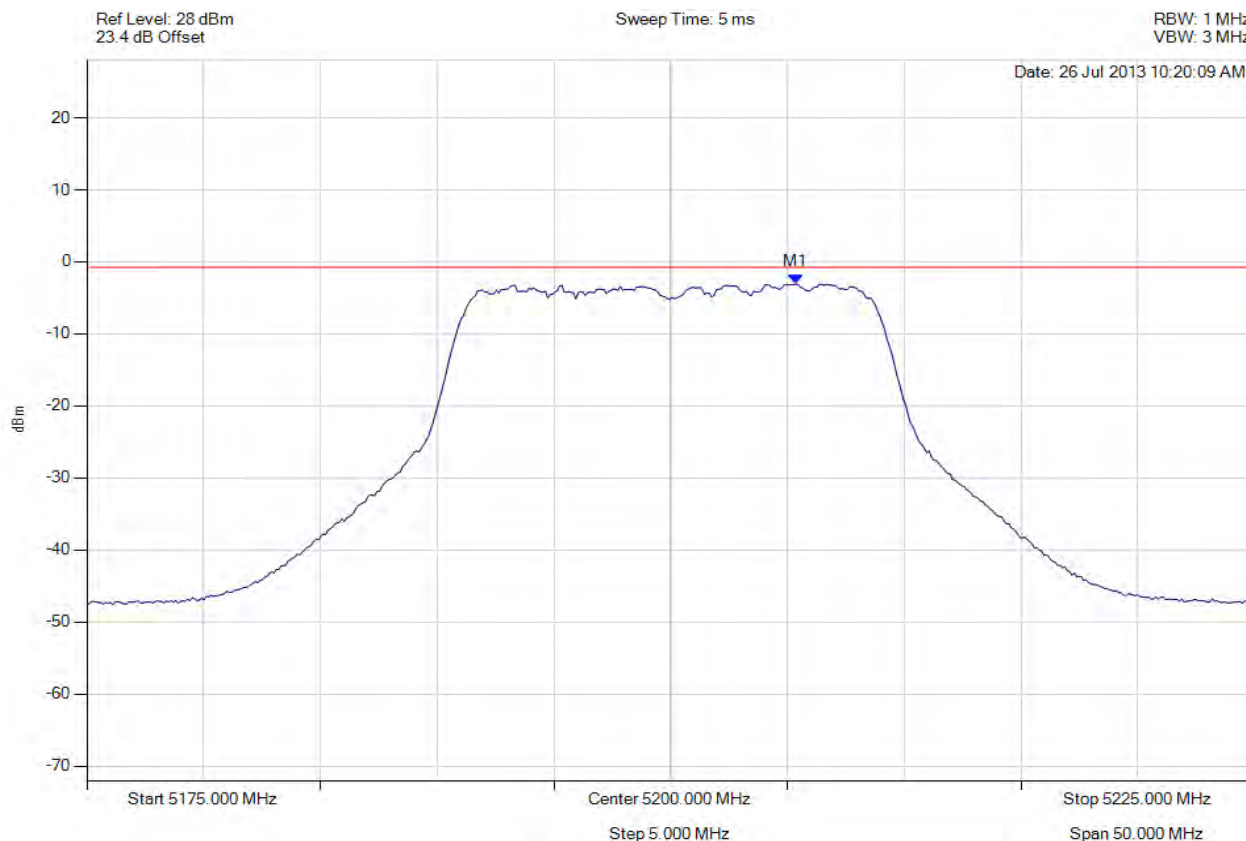


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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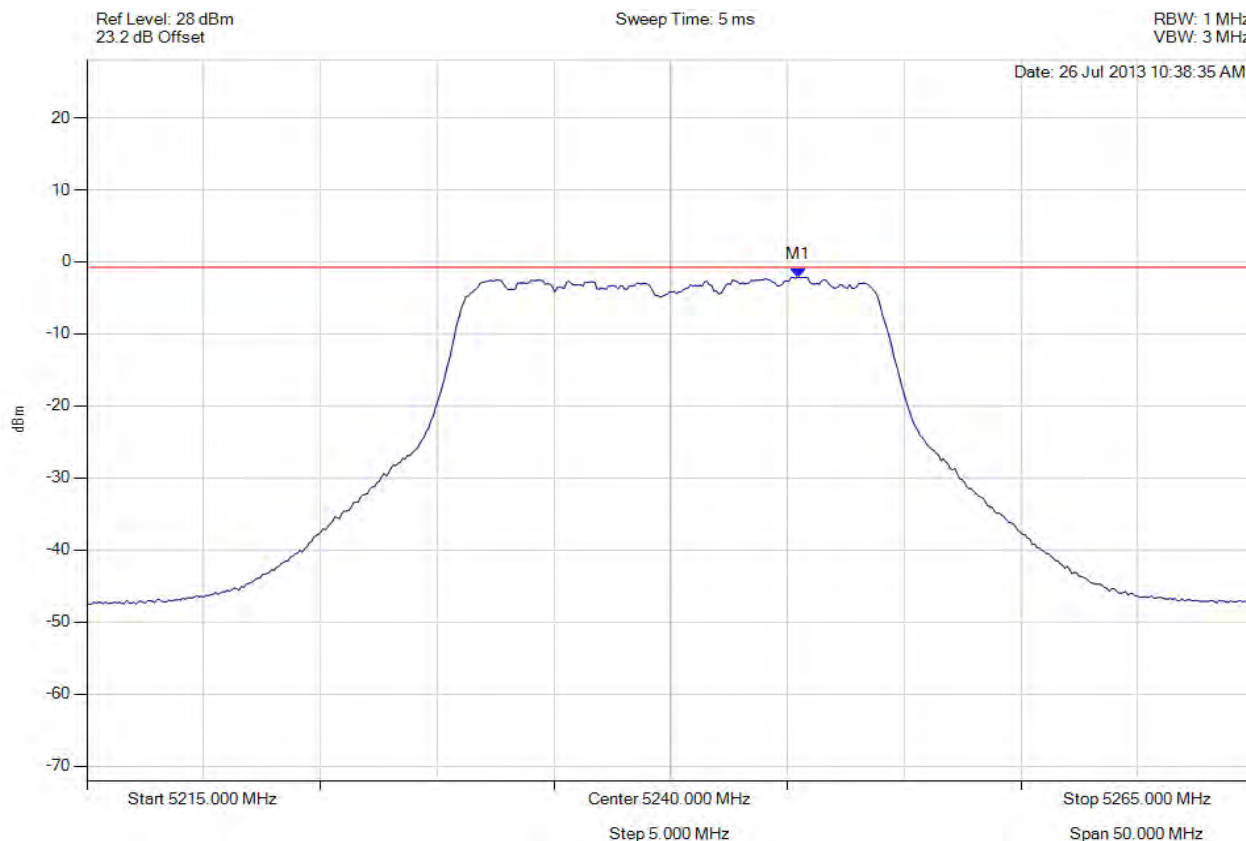


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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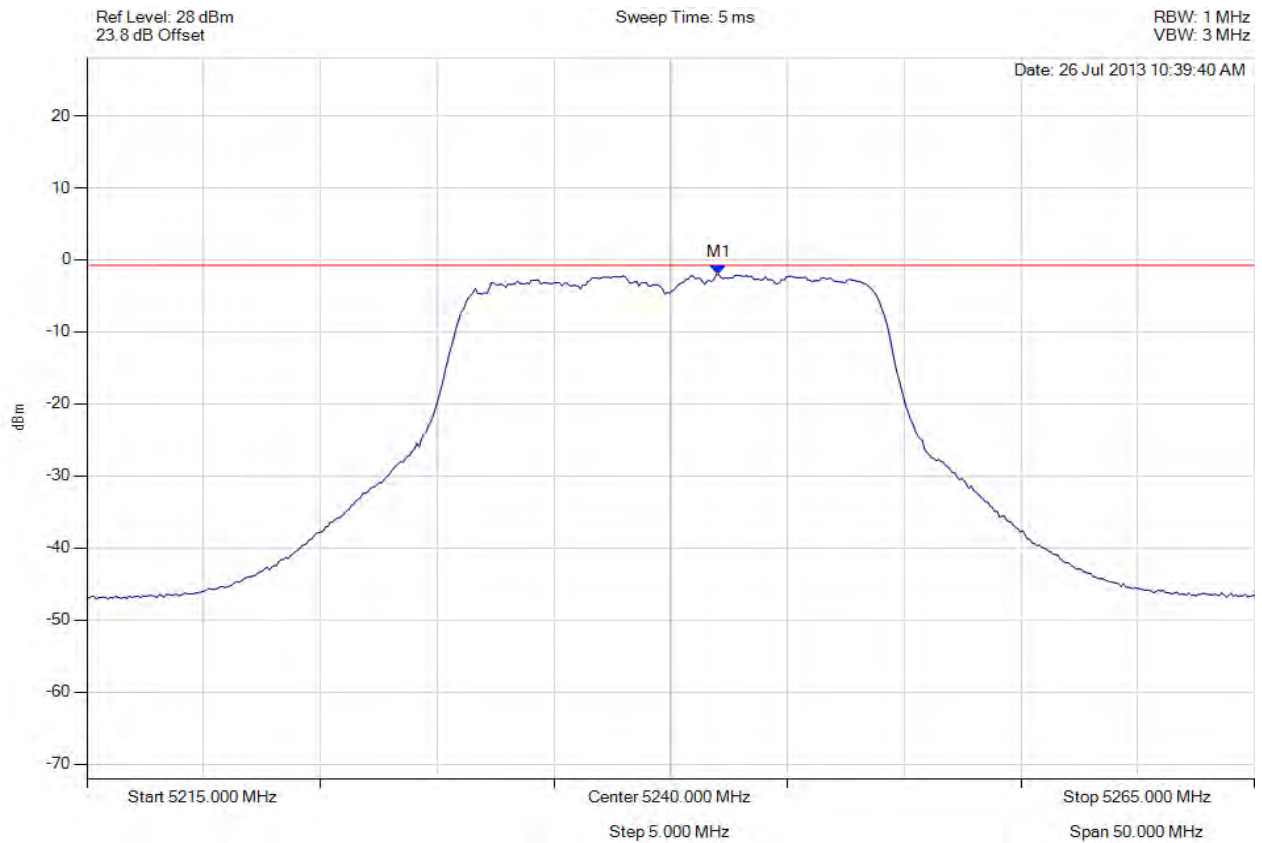


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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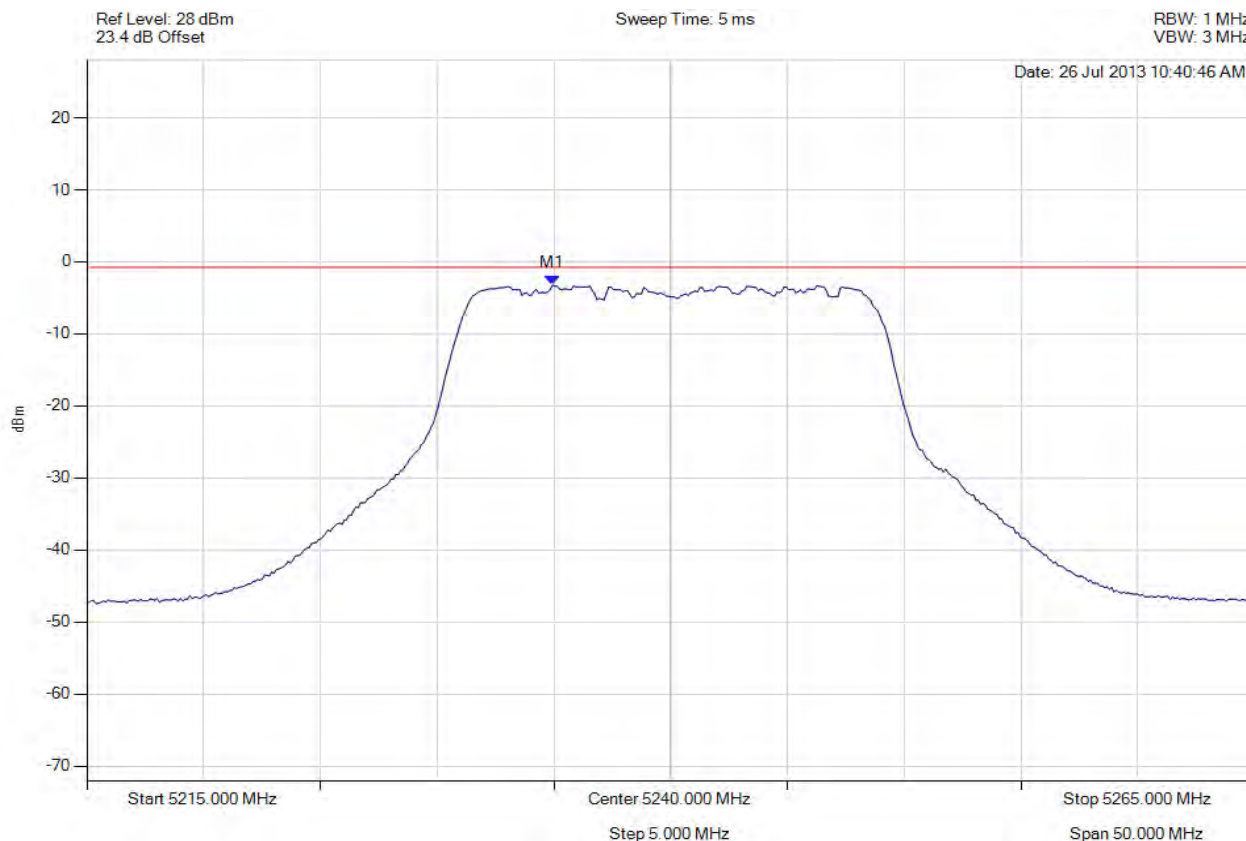


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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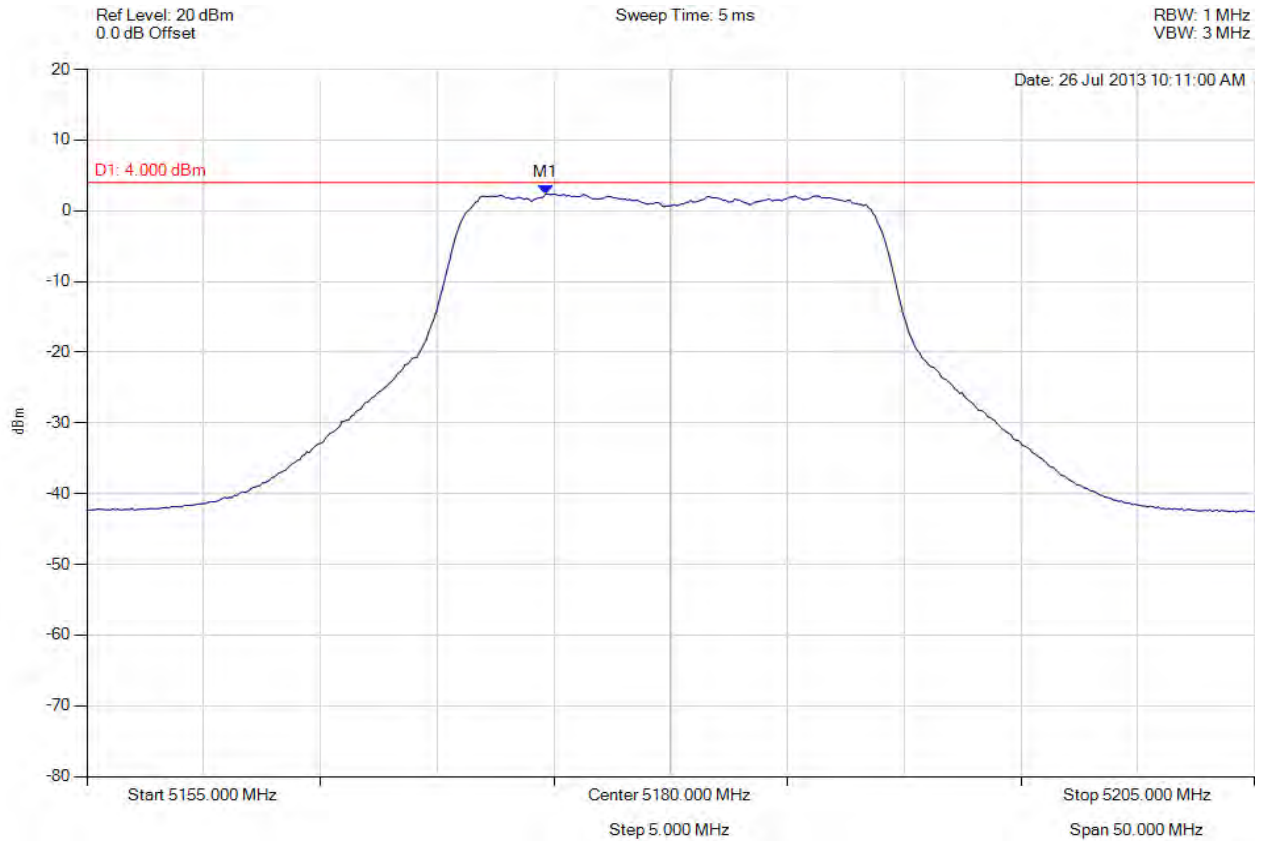


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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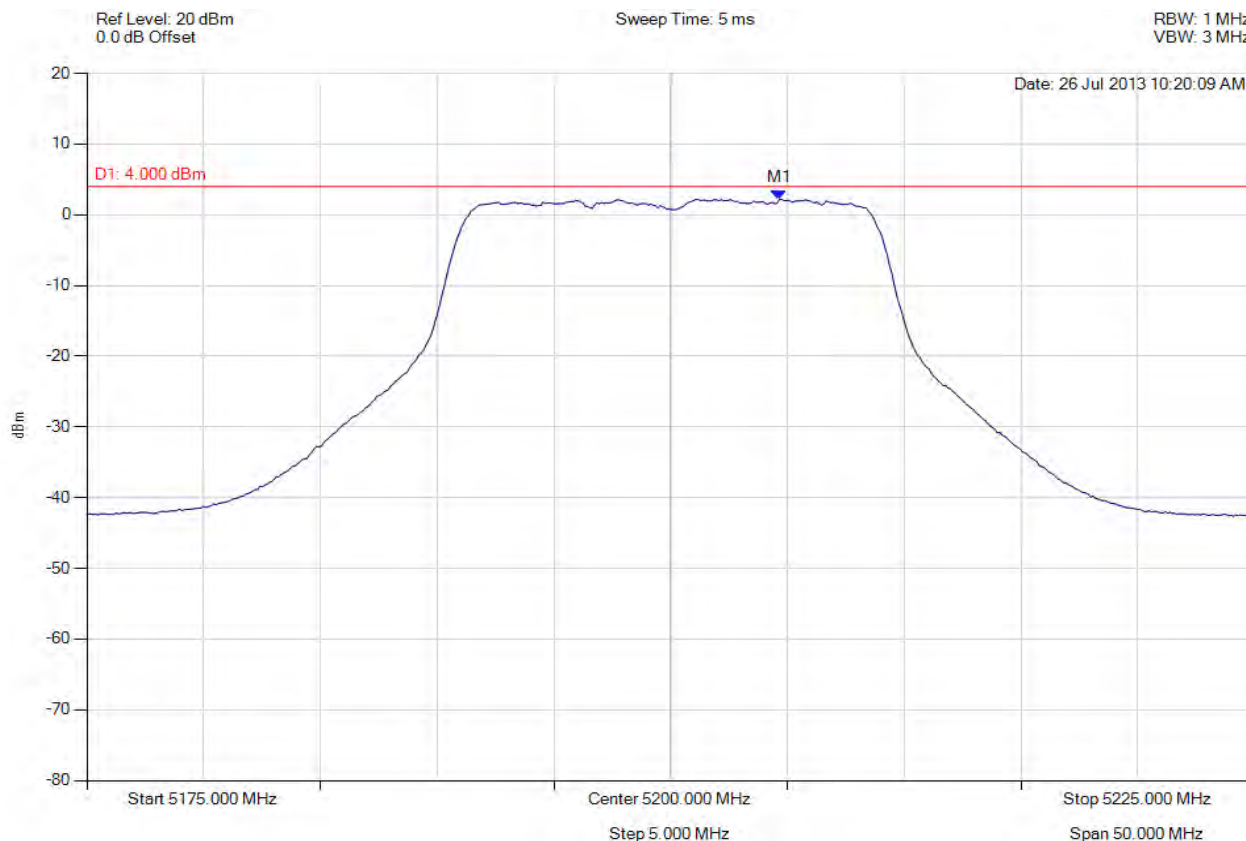


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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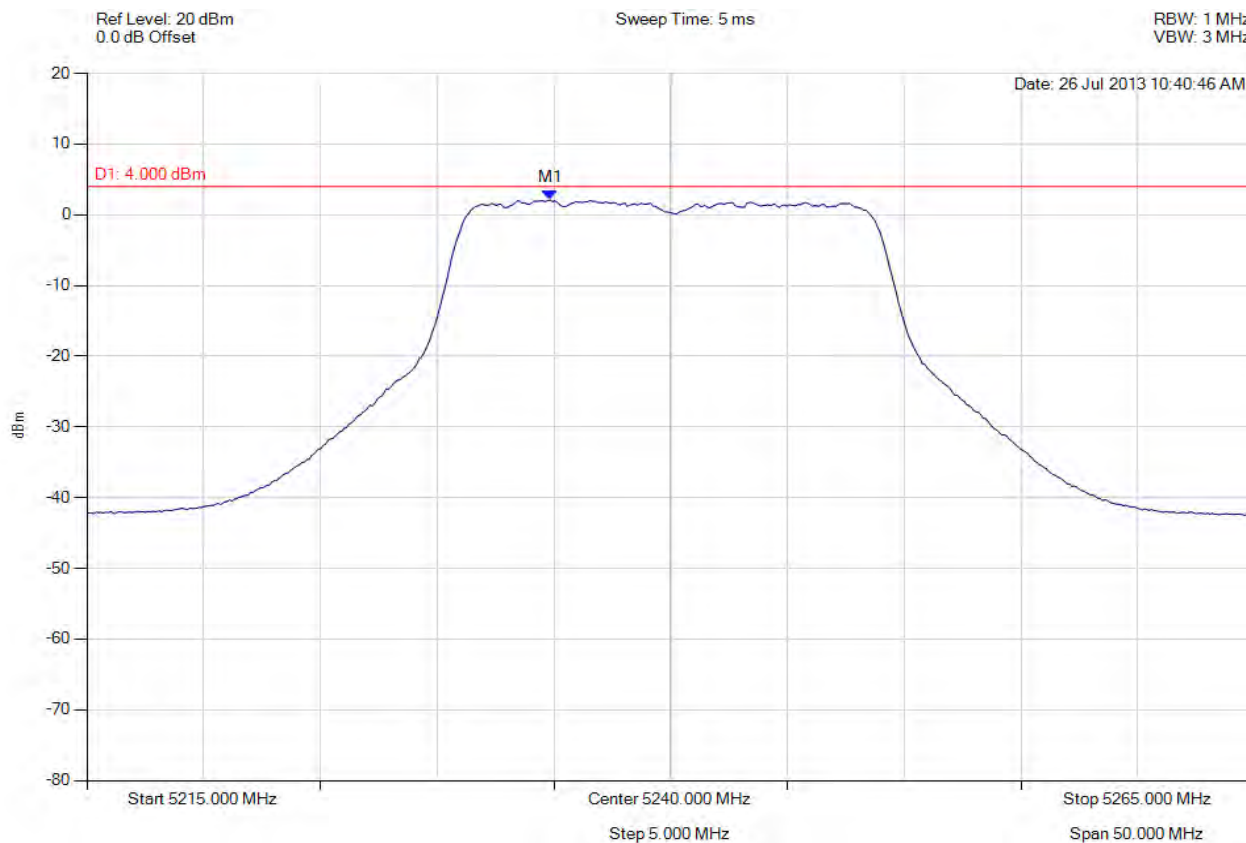


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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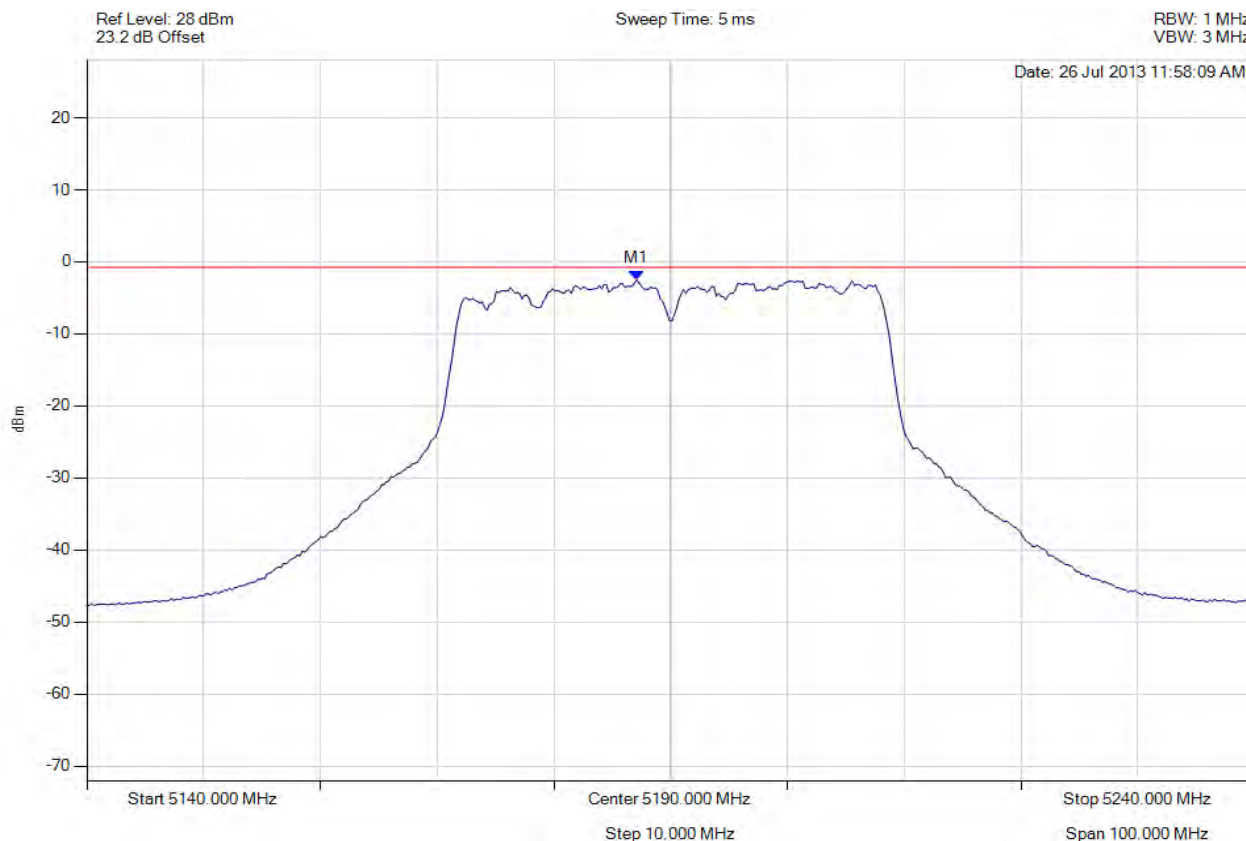


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



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

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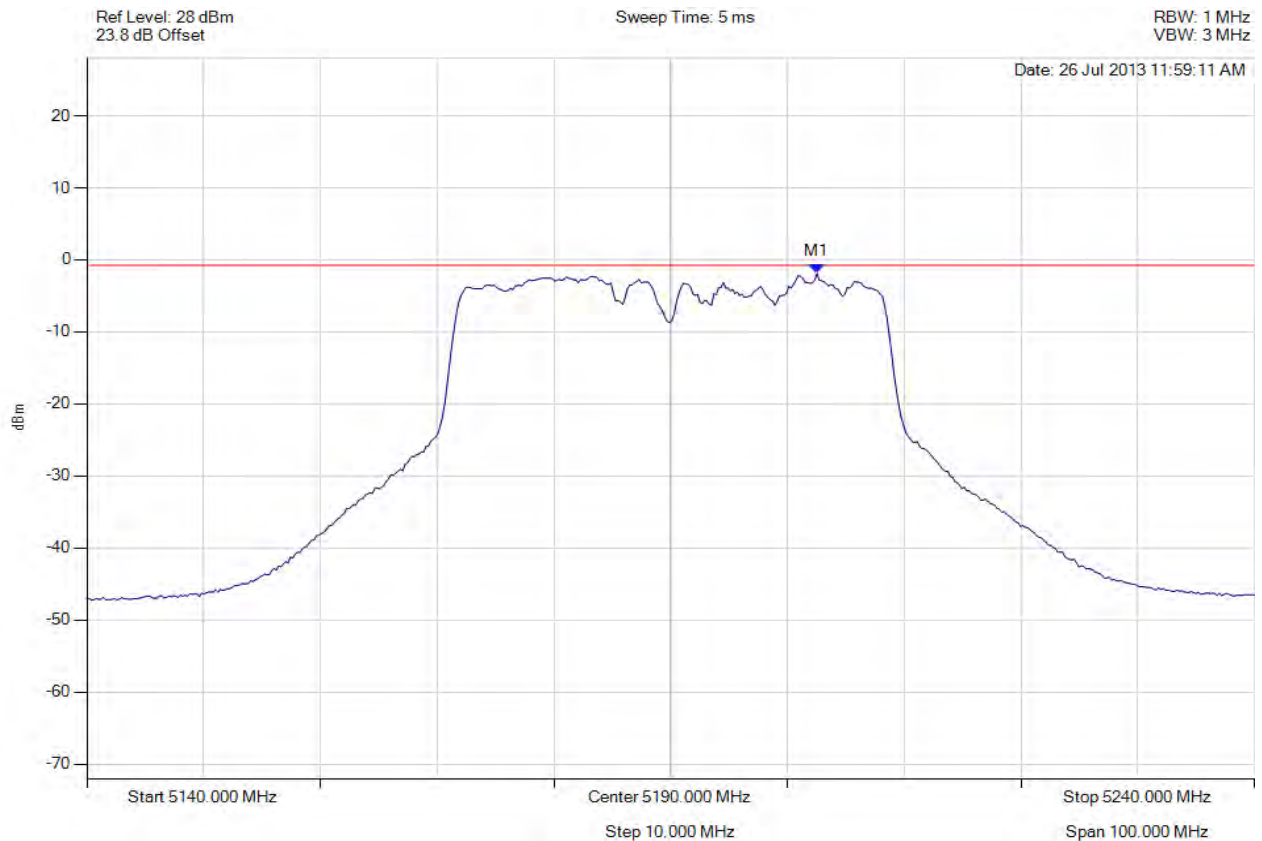


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### PEAK POWER SPECTRAL DENSITY

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



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

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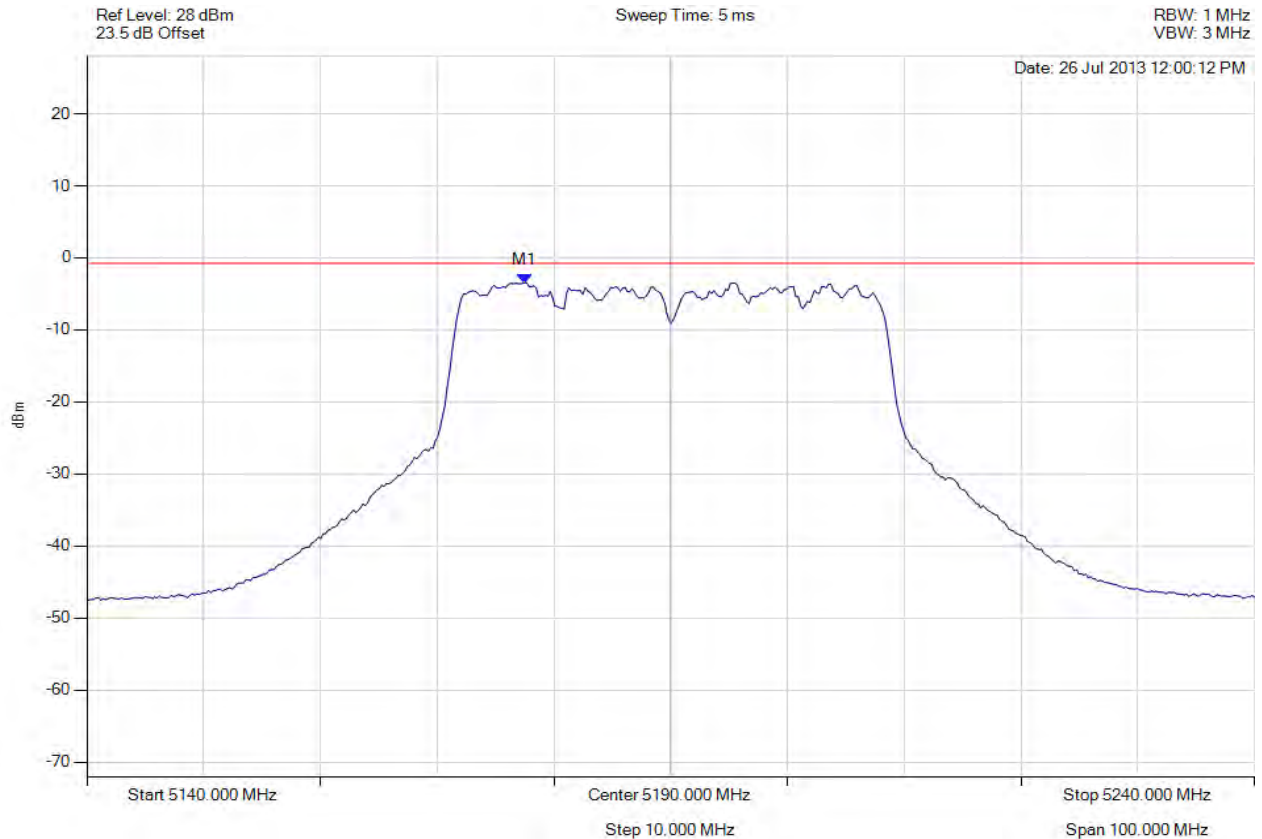


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### PEAK POWER SPECTRAL DENSITY

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



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

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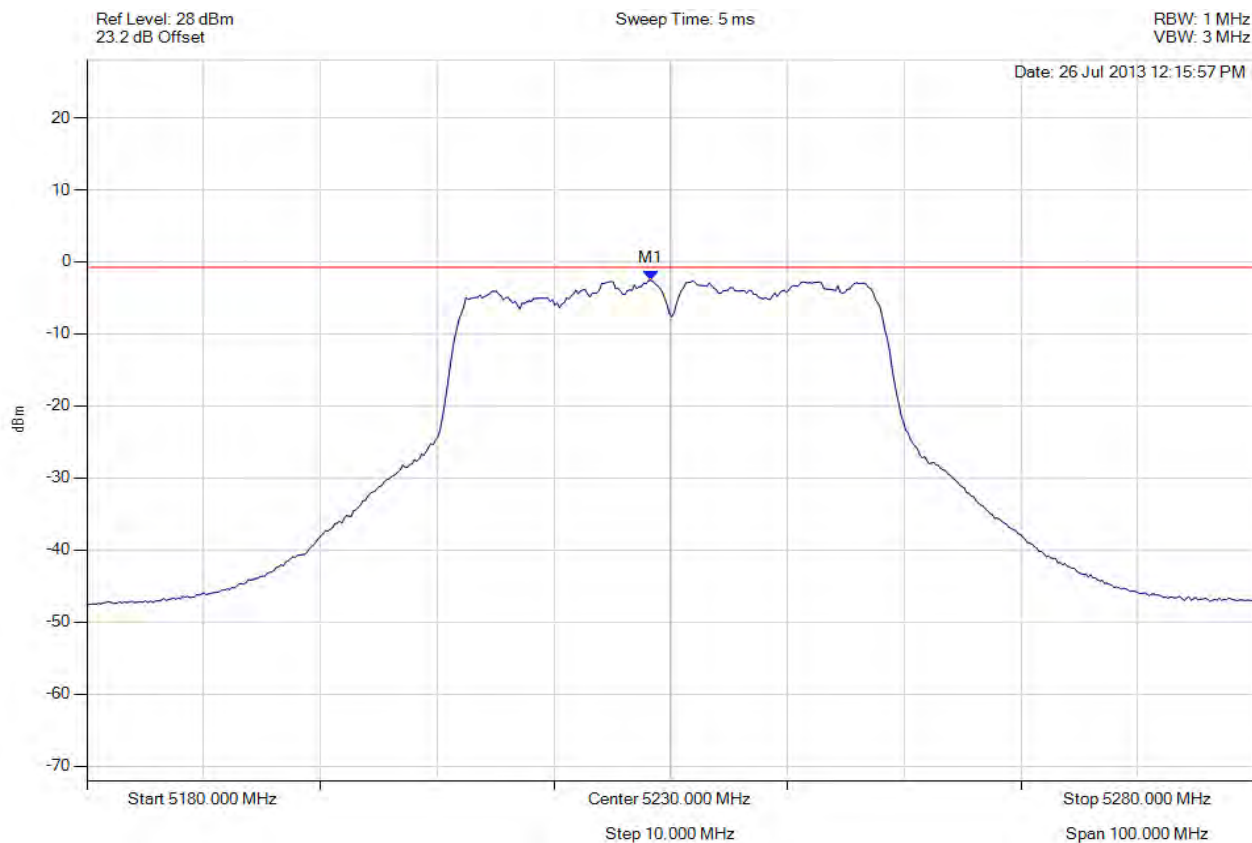


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### PEAK POWER SPECTRAL DENSITY

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



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

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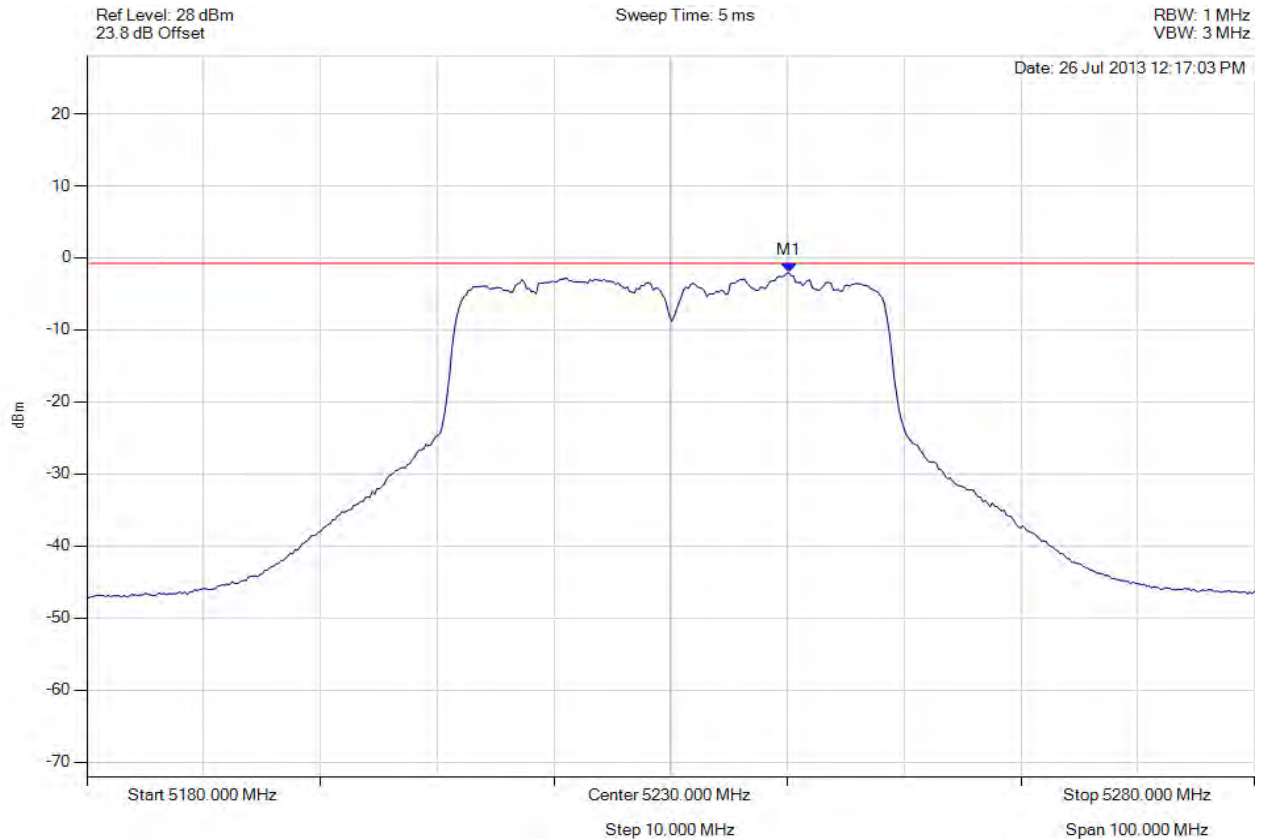


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### PEAK POWER SPECTRAL DENSITY

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



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

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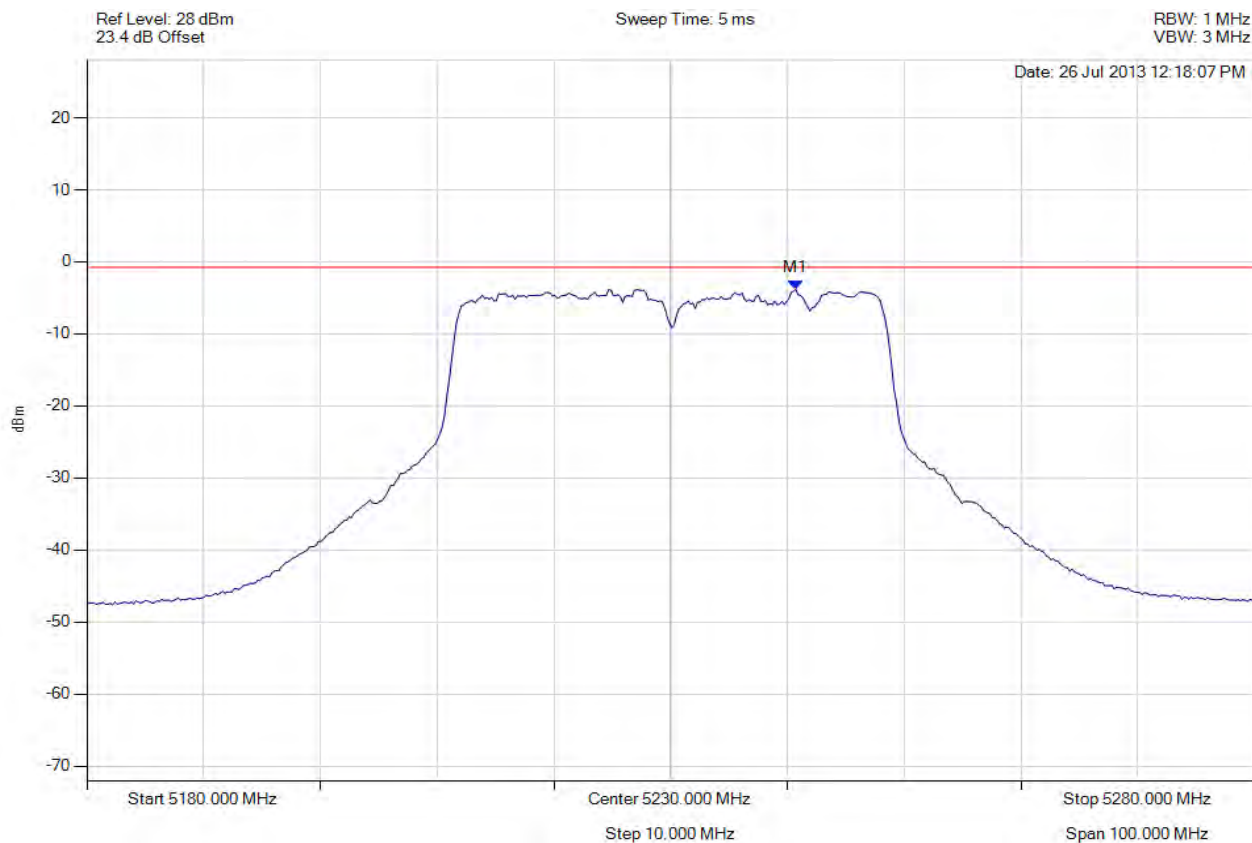


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### PEAK POWER SPECTRAL DENSITY

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



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

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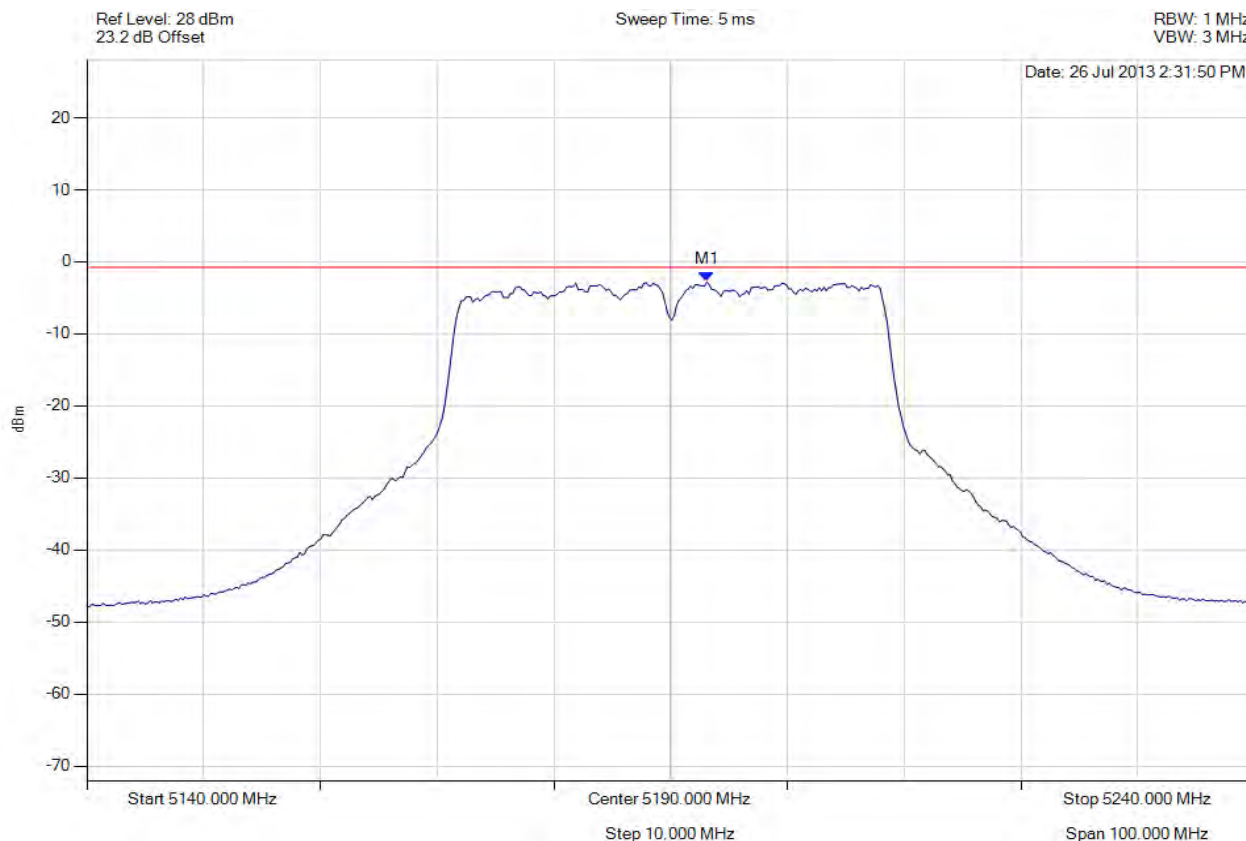


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### PEAK POWER SPECTRAL DENSITY

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



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

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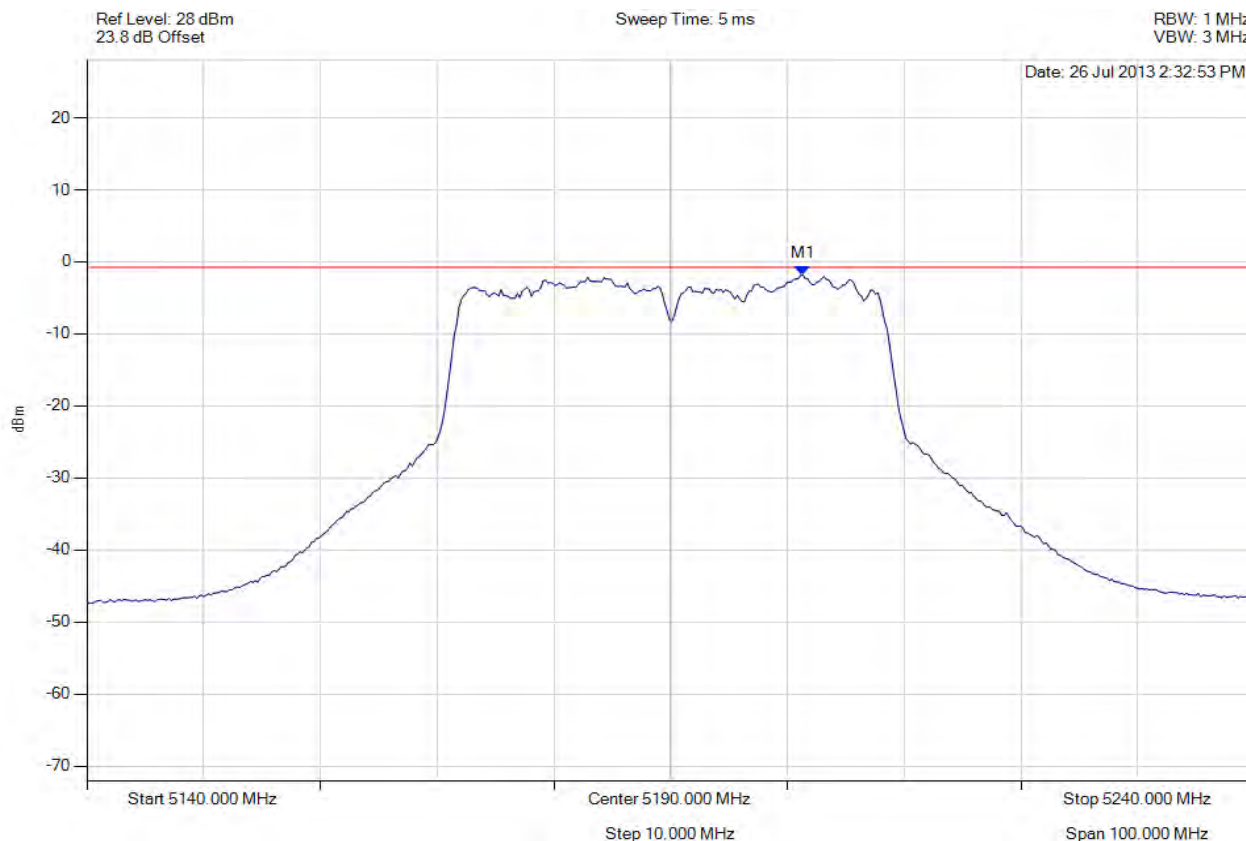


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### PEAK POWER SPECTRAL DENSITY

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



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

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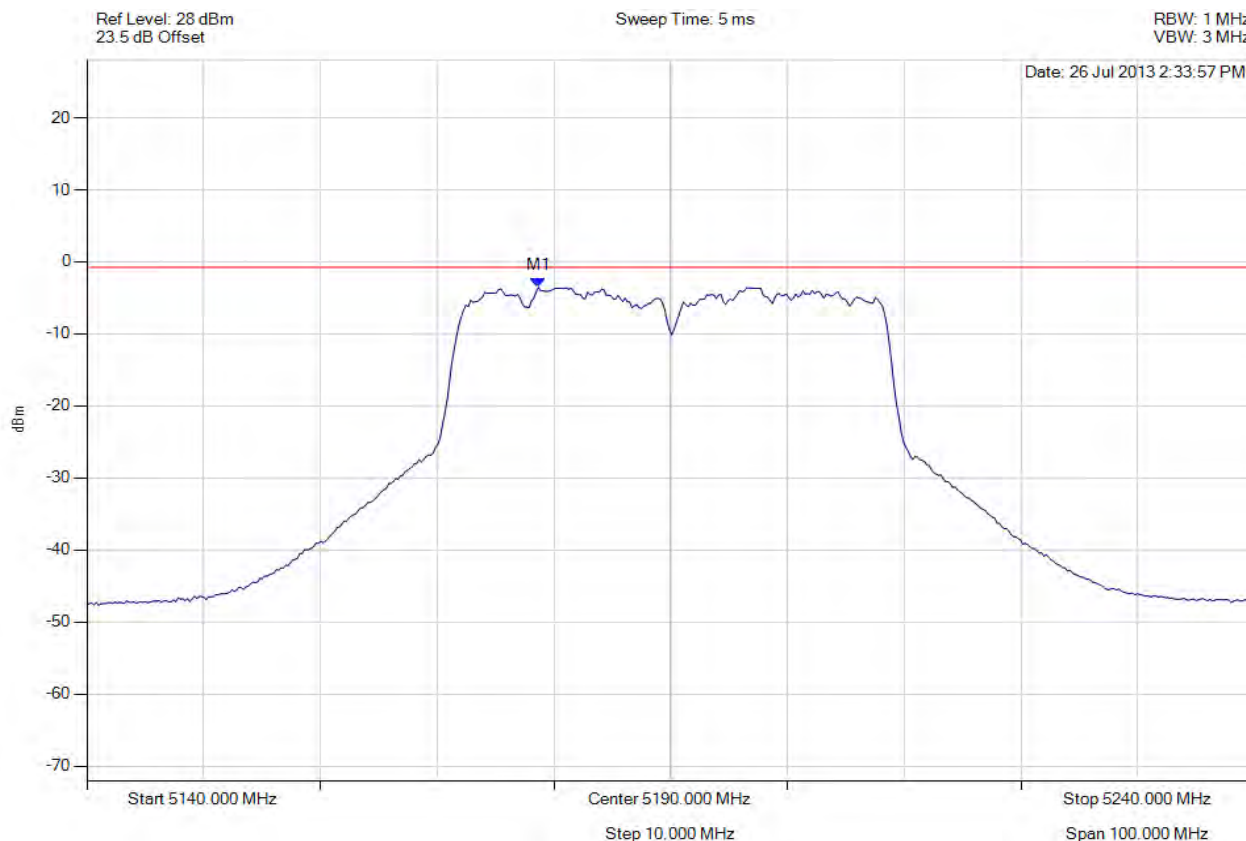


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### PEAK POWER SPECTRAL DENSITY

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



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

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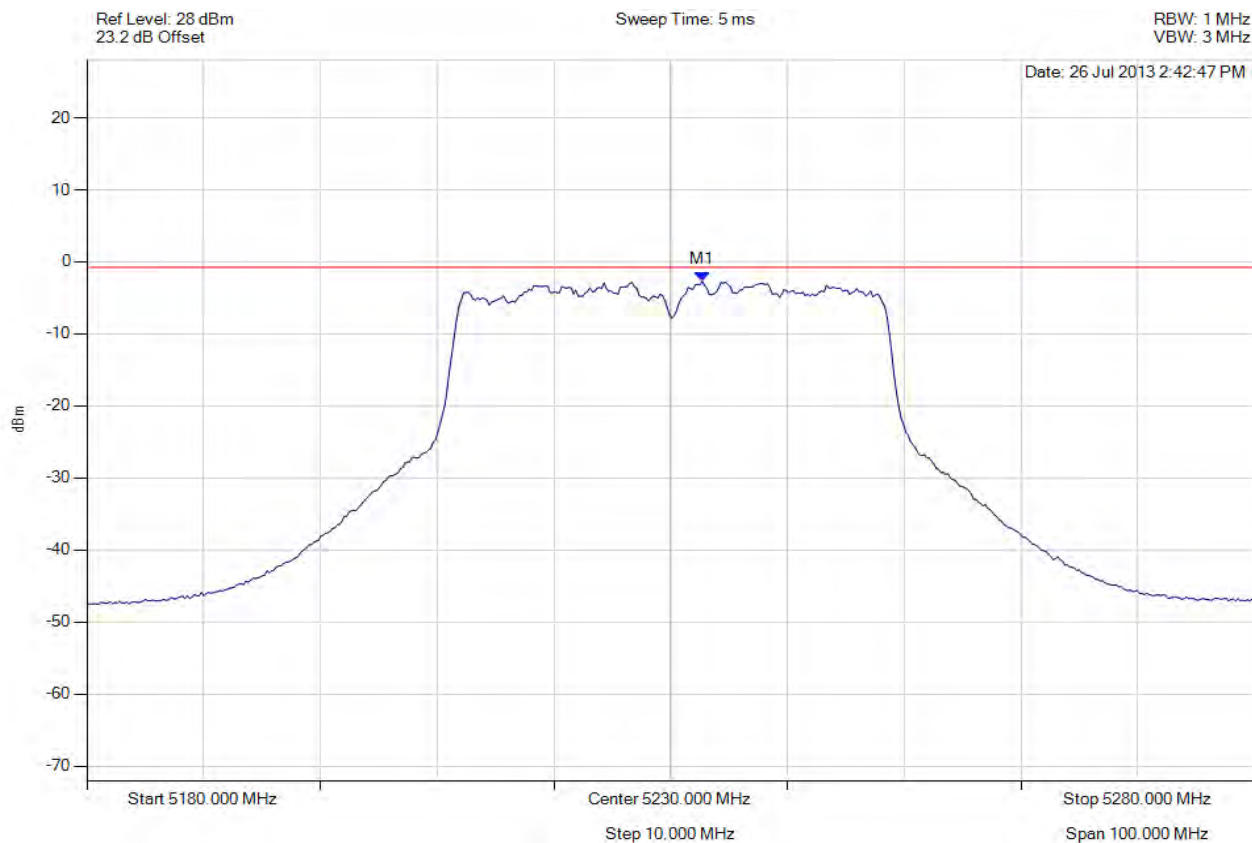


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### PEAK POWER SPECTRAL DENSITY

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



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

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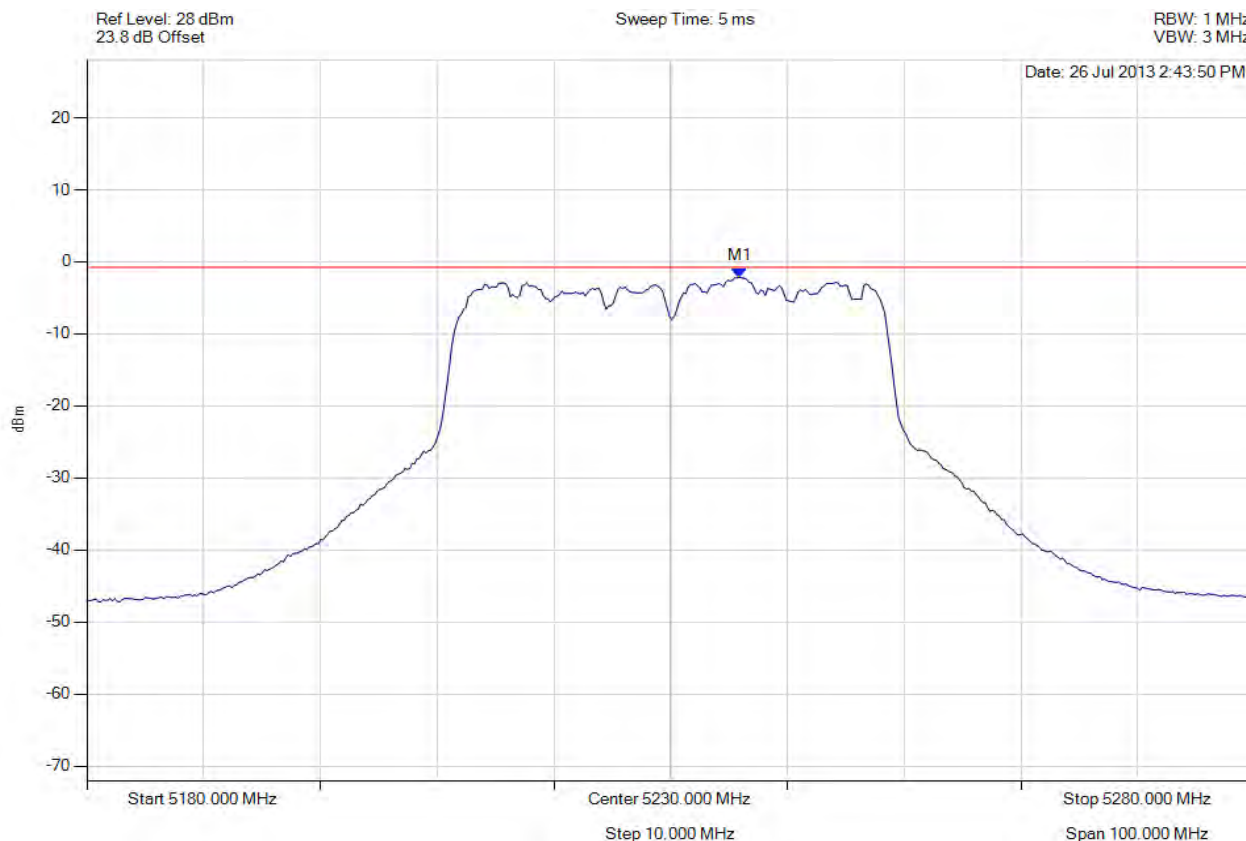


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### PEAK POWER SPECTRAL DENSITY

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



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

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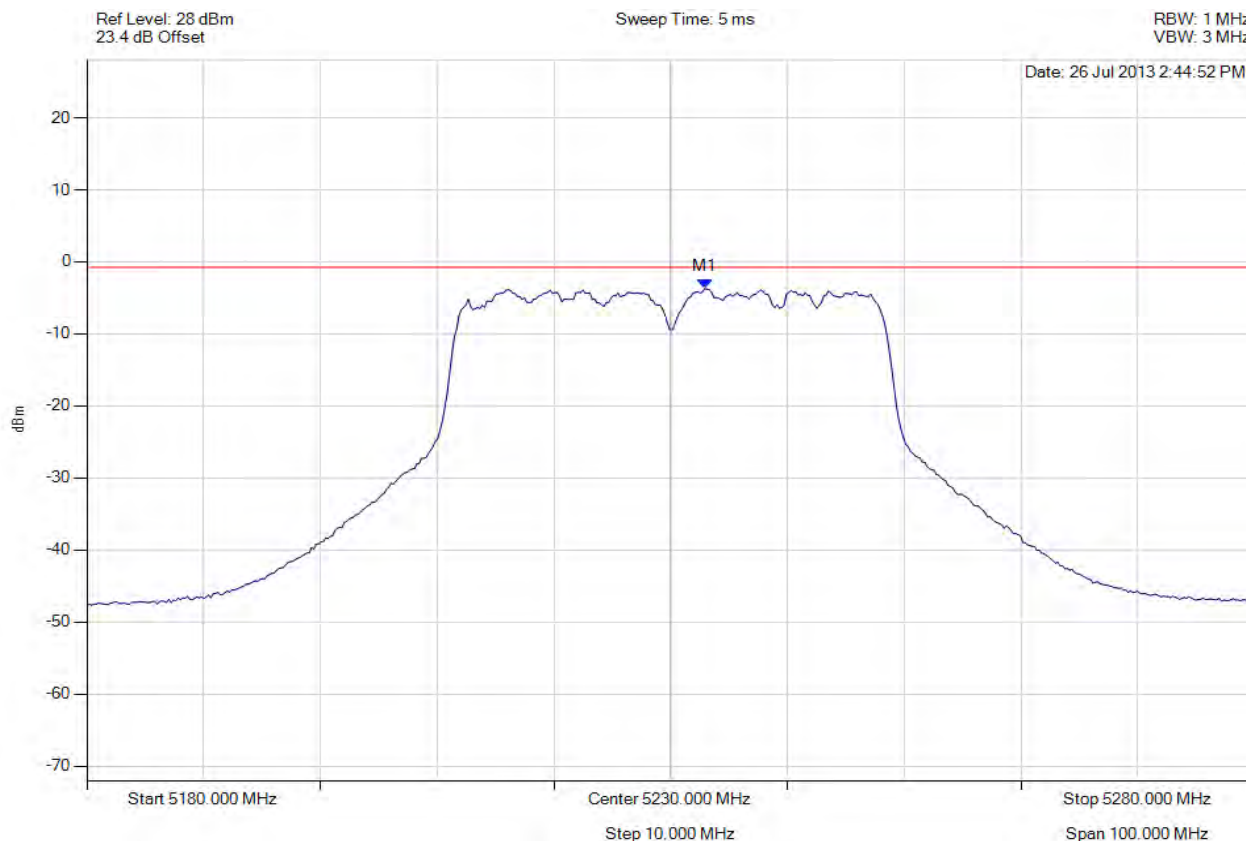


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### PEAK POWER SPECTRAL DENSITY

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



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

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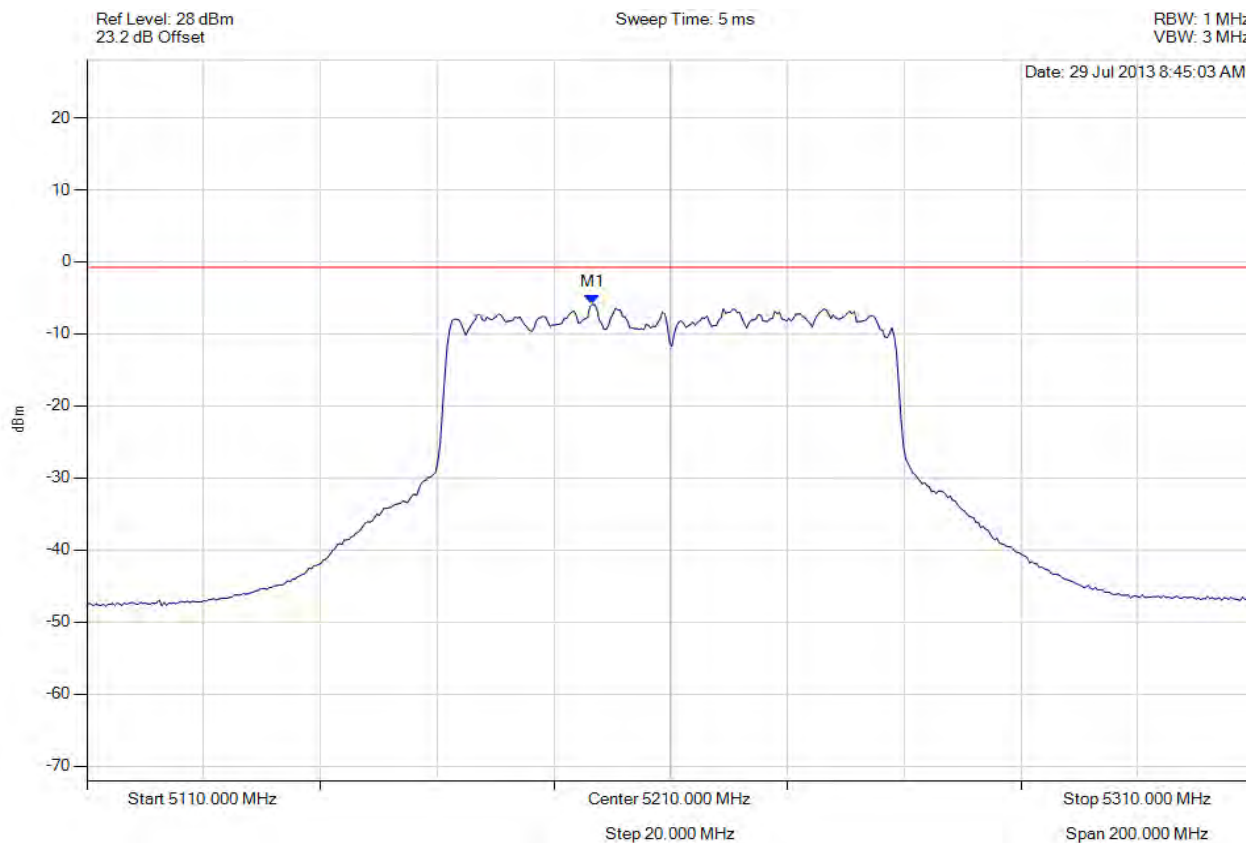


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5196.573 MHz : -5.946 dBm | Limit: $\leq -2.171$ dBm<br>Margin: 3.77 dB |

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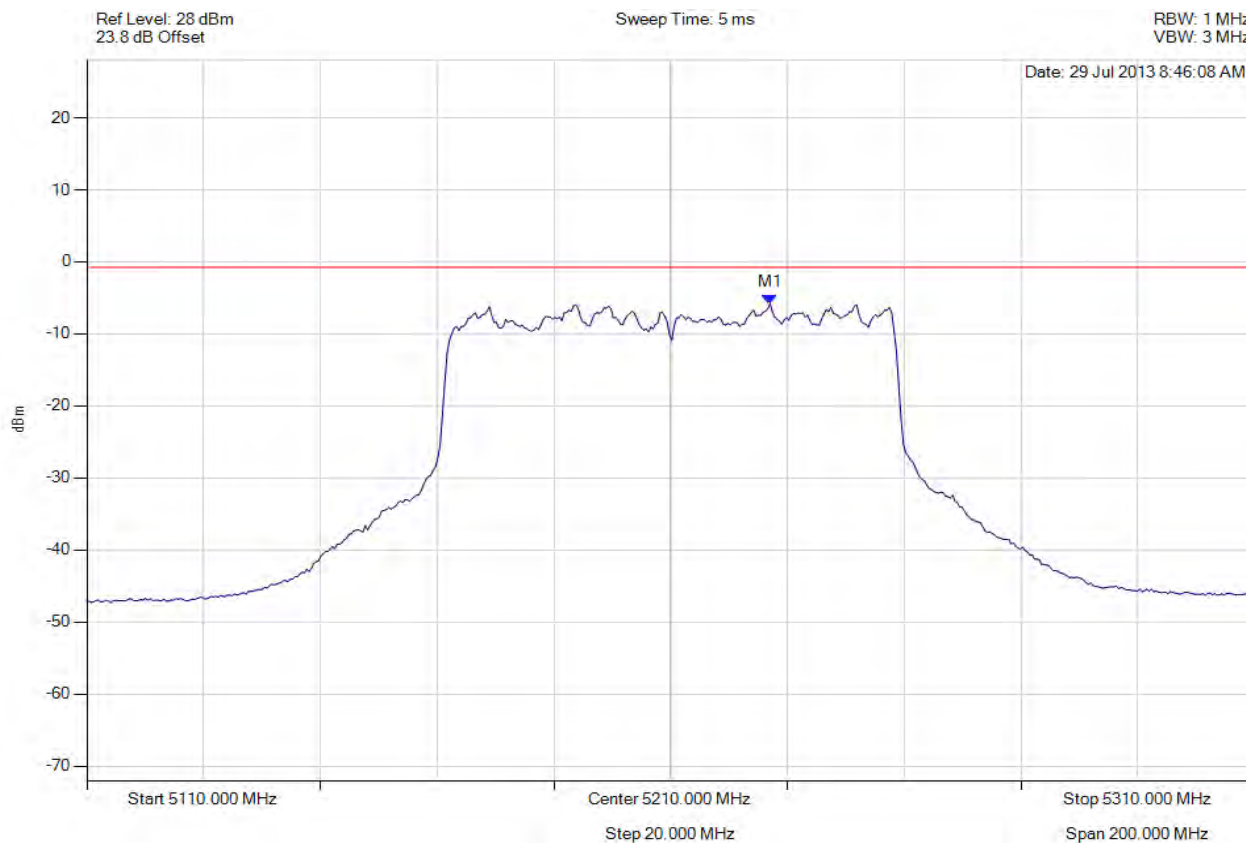


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5227.034 MHz : -5.809 dBm | Limit: $\leq -2.171$ dBm<br>Margin: 3.64 dB |

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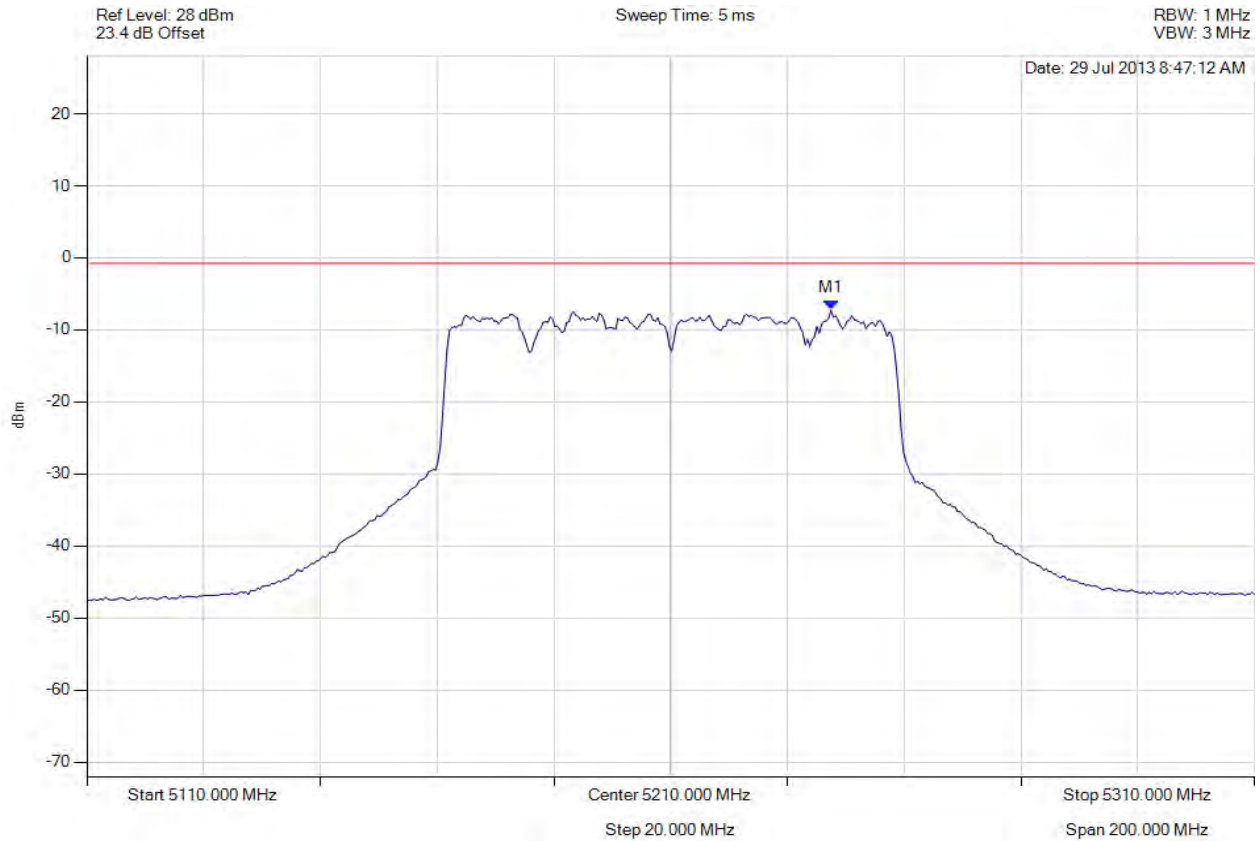


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5237.455 MHz : -7.219 dBm | Limit: $\leq -2.171$ dBm<br>Margin: 5.05 dB |

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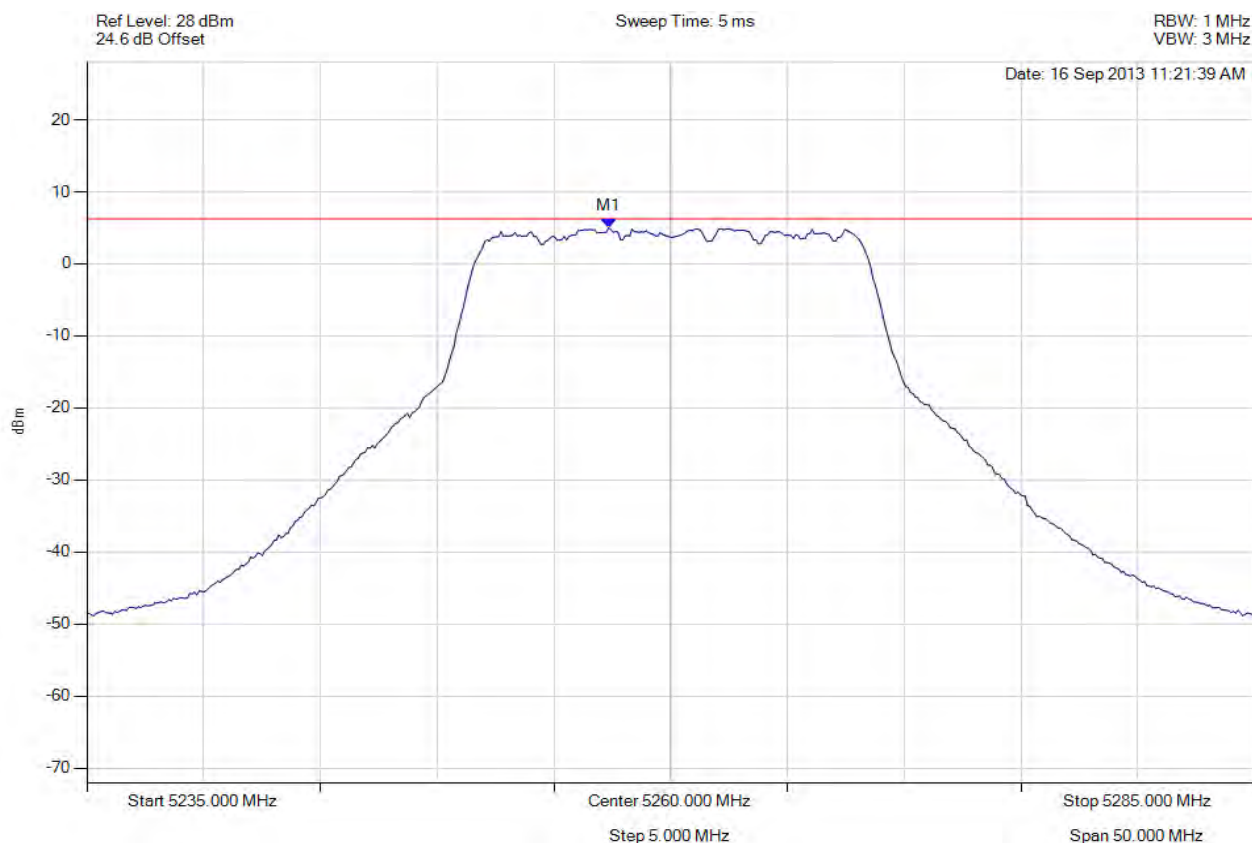


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5257.345 MHz : 5.008 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: 0.18 dB |

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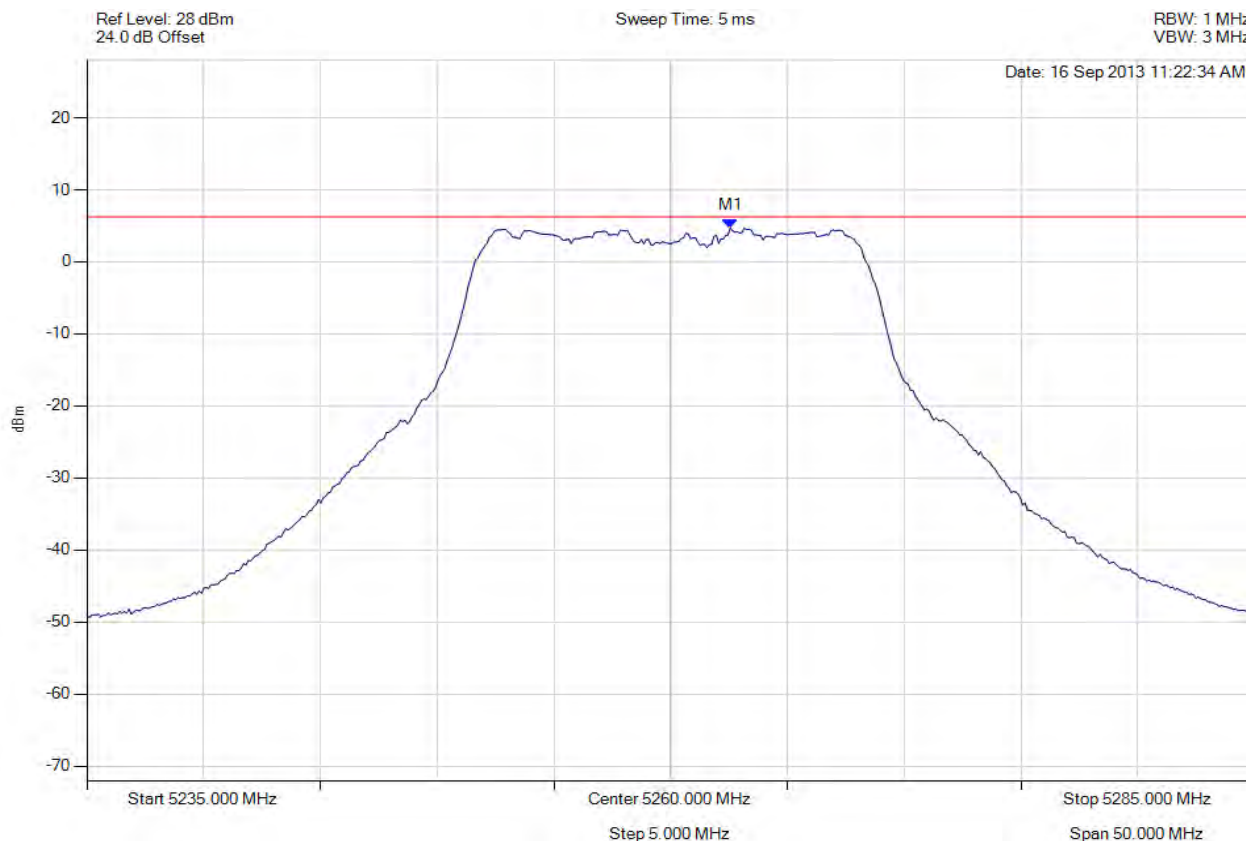


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5262.555 MHz : 4.716 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.11 dB |

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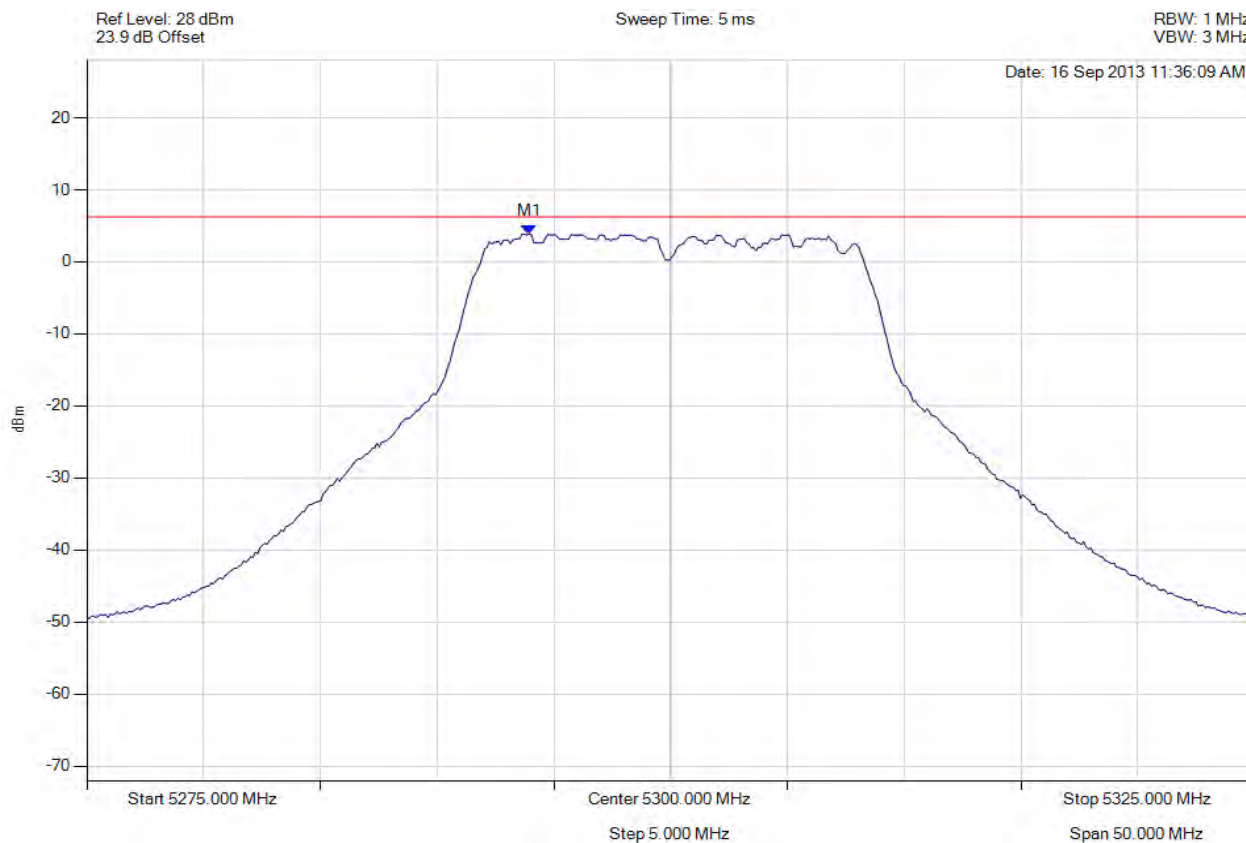


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5293.938 MHz : 3.875 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.95 dB |

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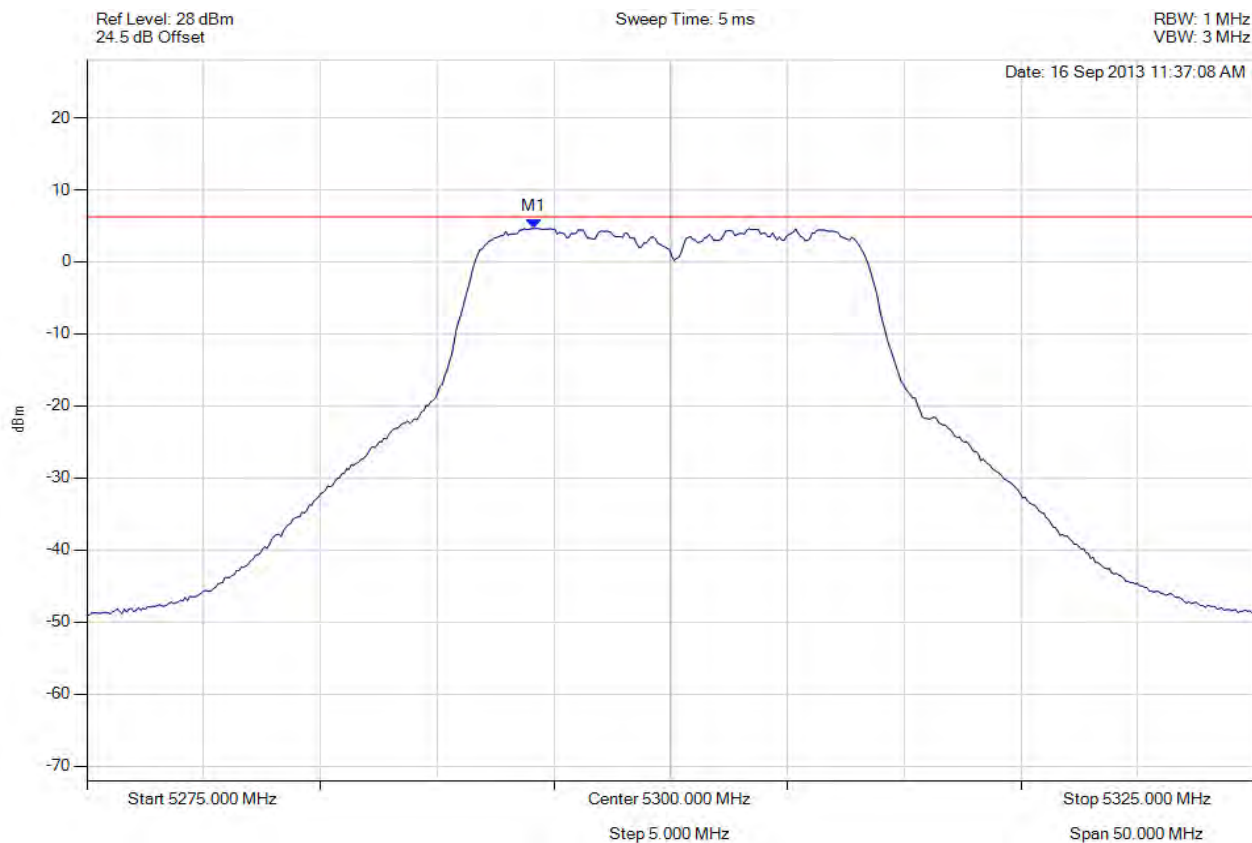


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5294.138 MHz : 4.634 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.19 dB |

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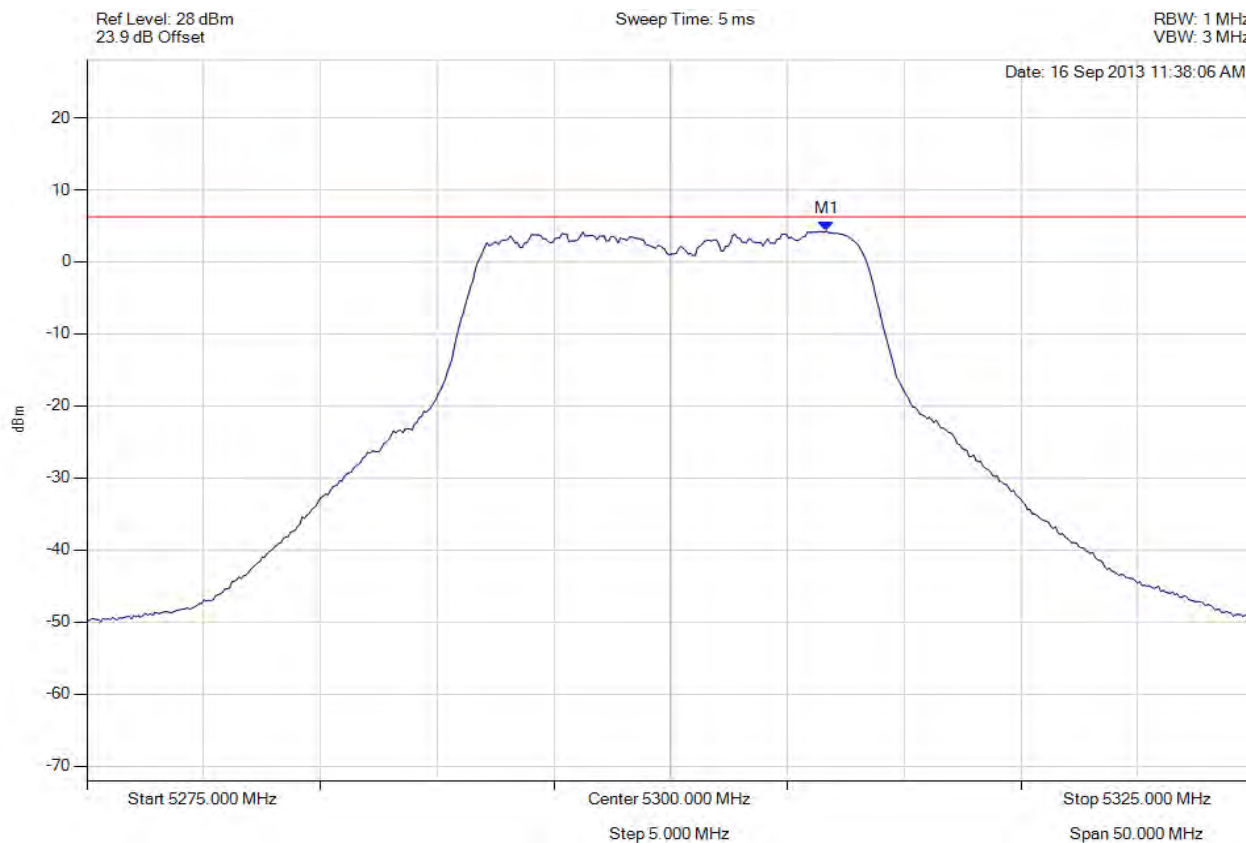


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5306.663 MHz : 4.260 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.57 dB |

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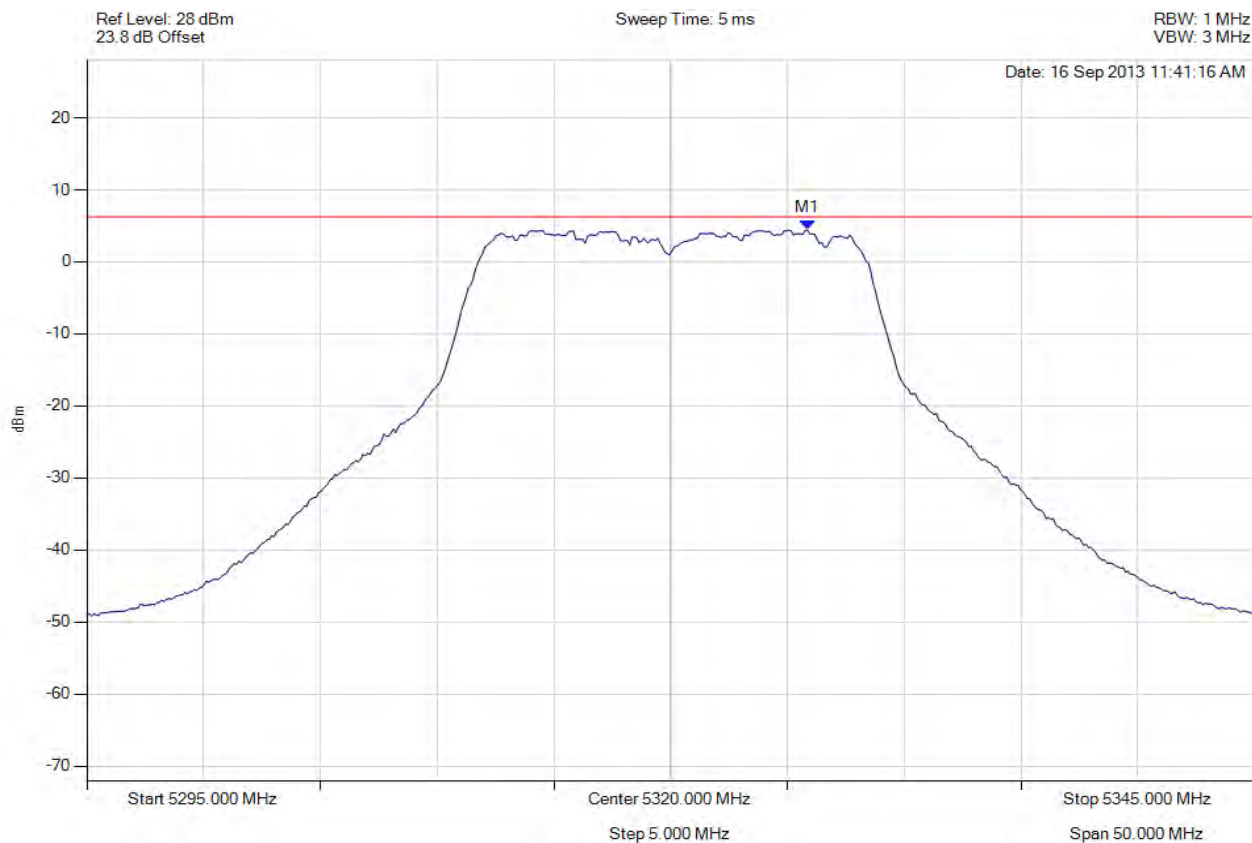


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5325.862 MHz : 4.412 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.42 dB |

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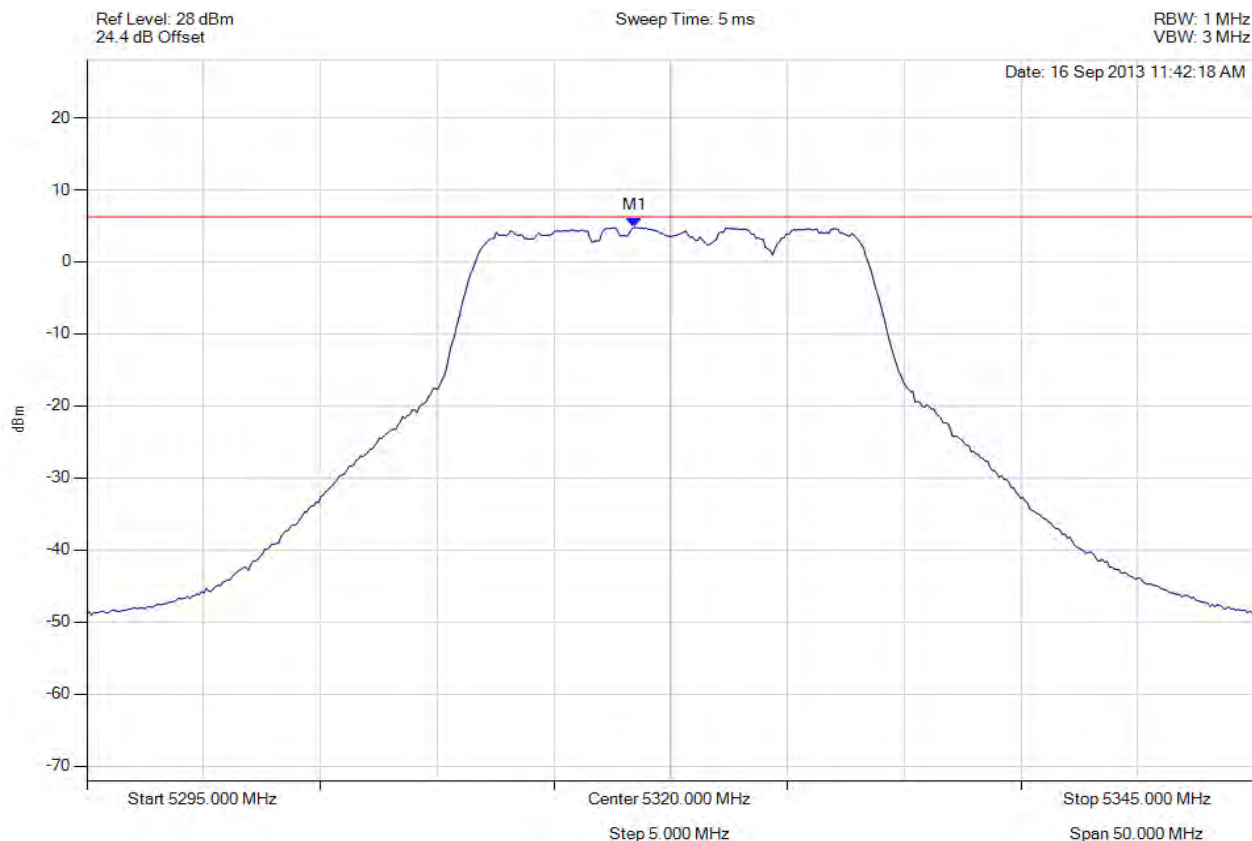


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5318.447 MHz : 4.778 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.05 dB |

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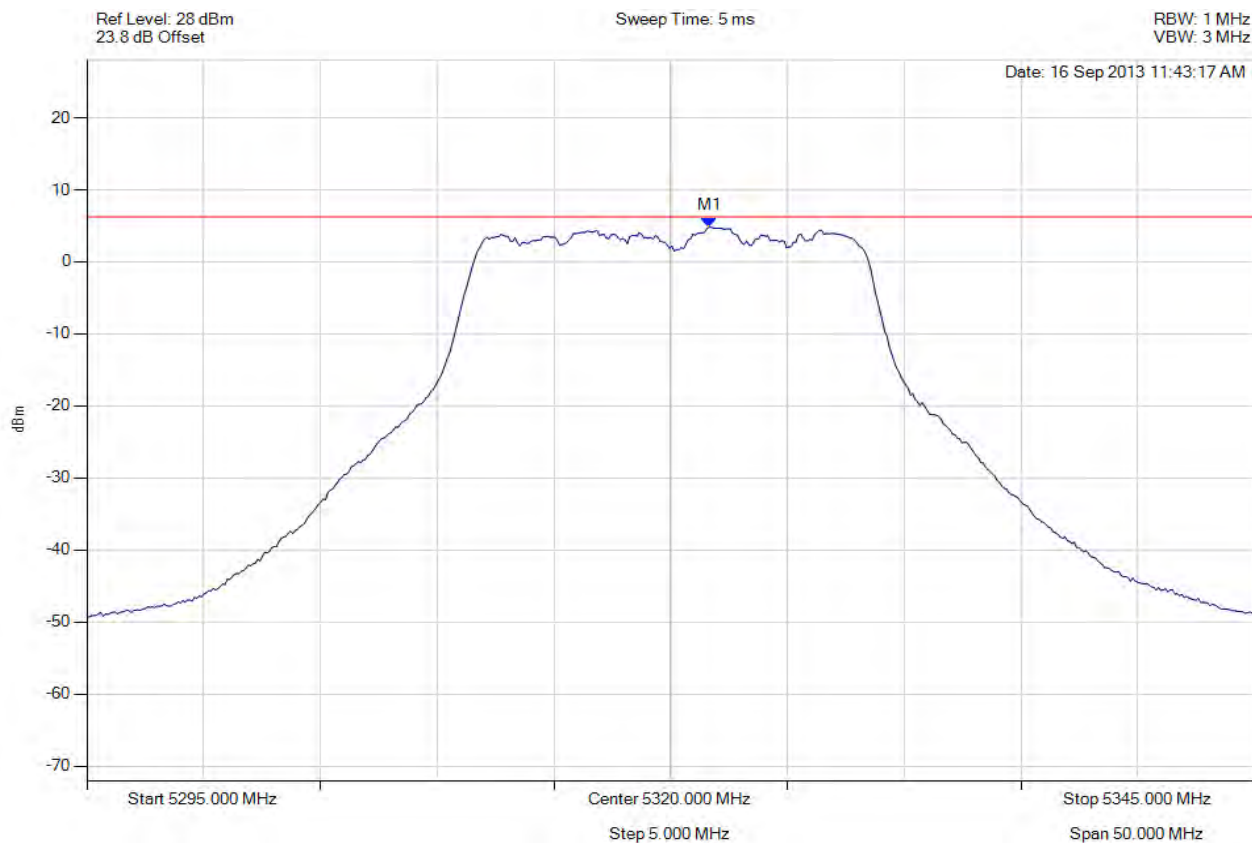


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5321.653 MHz : 4.824 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: 0.00 dB |

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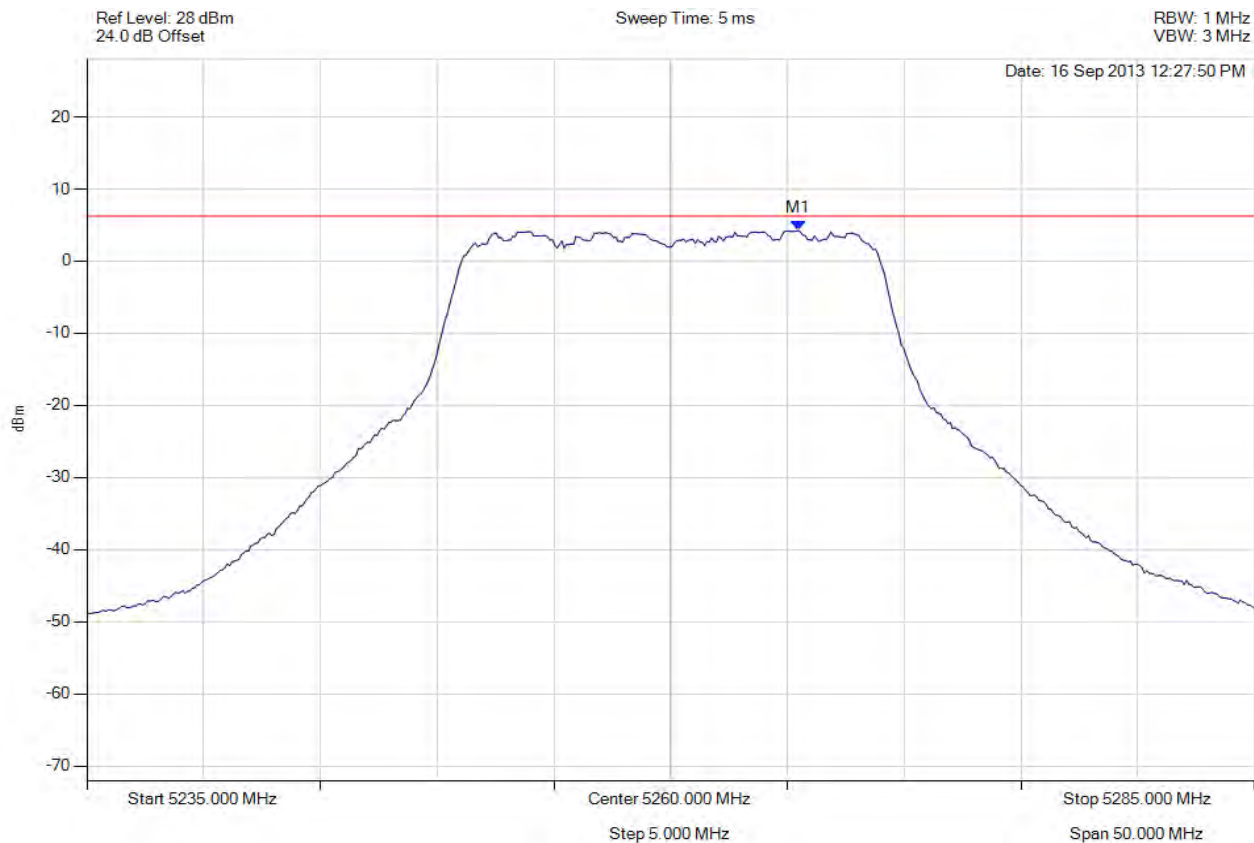


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5265.461 MHz : 4.256 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.57 dB |

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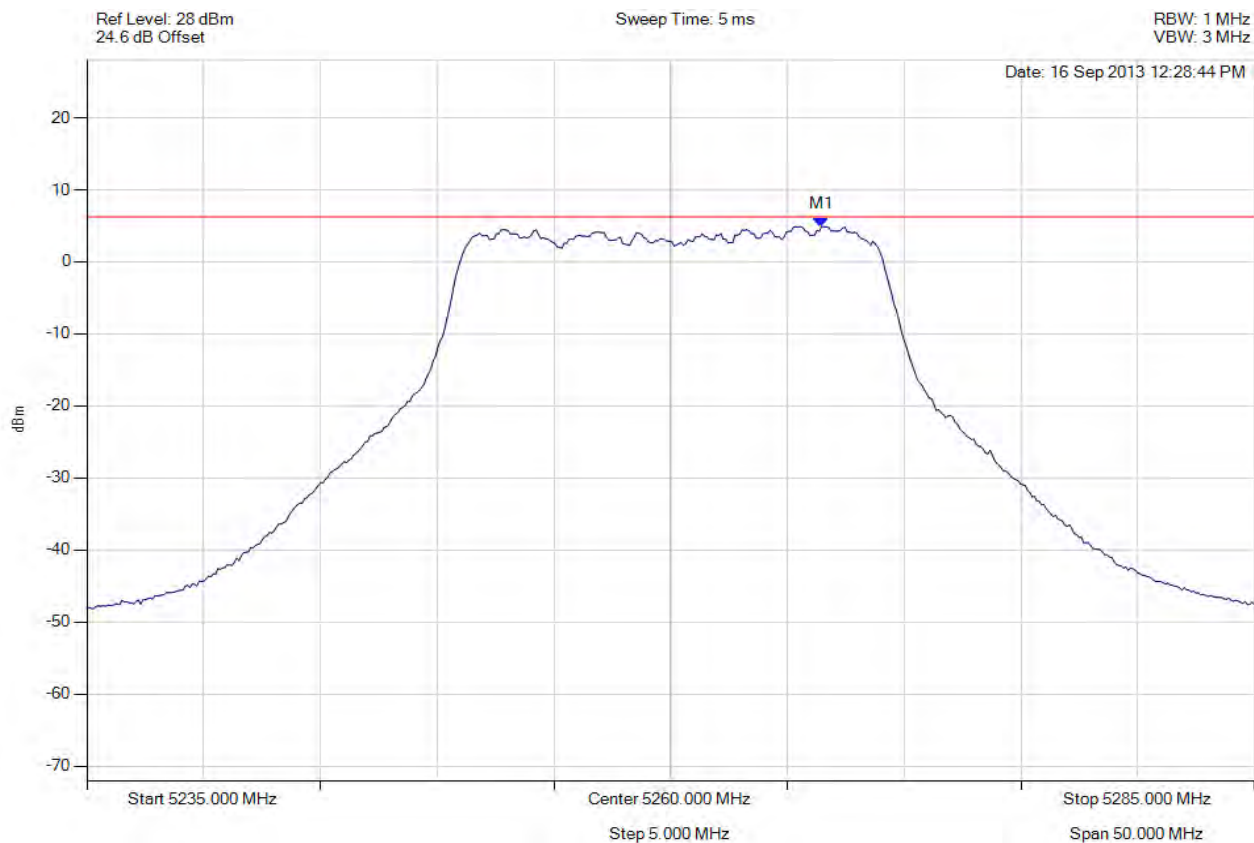


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5266.463 MHz : 4.880 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: 0.05 dB |

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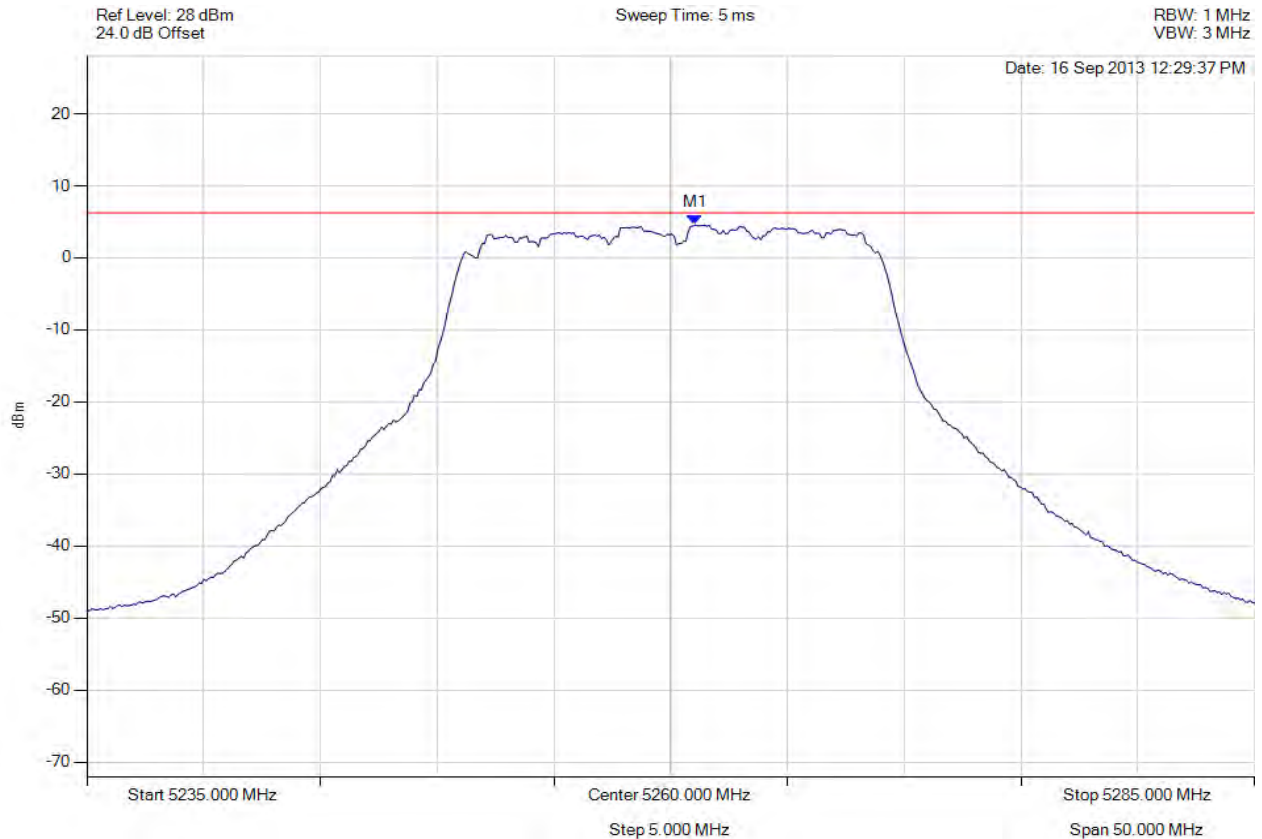


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5261.052 MHz : 4.559 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.27 dB |

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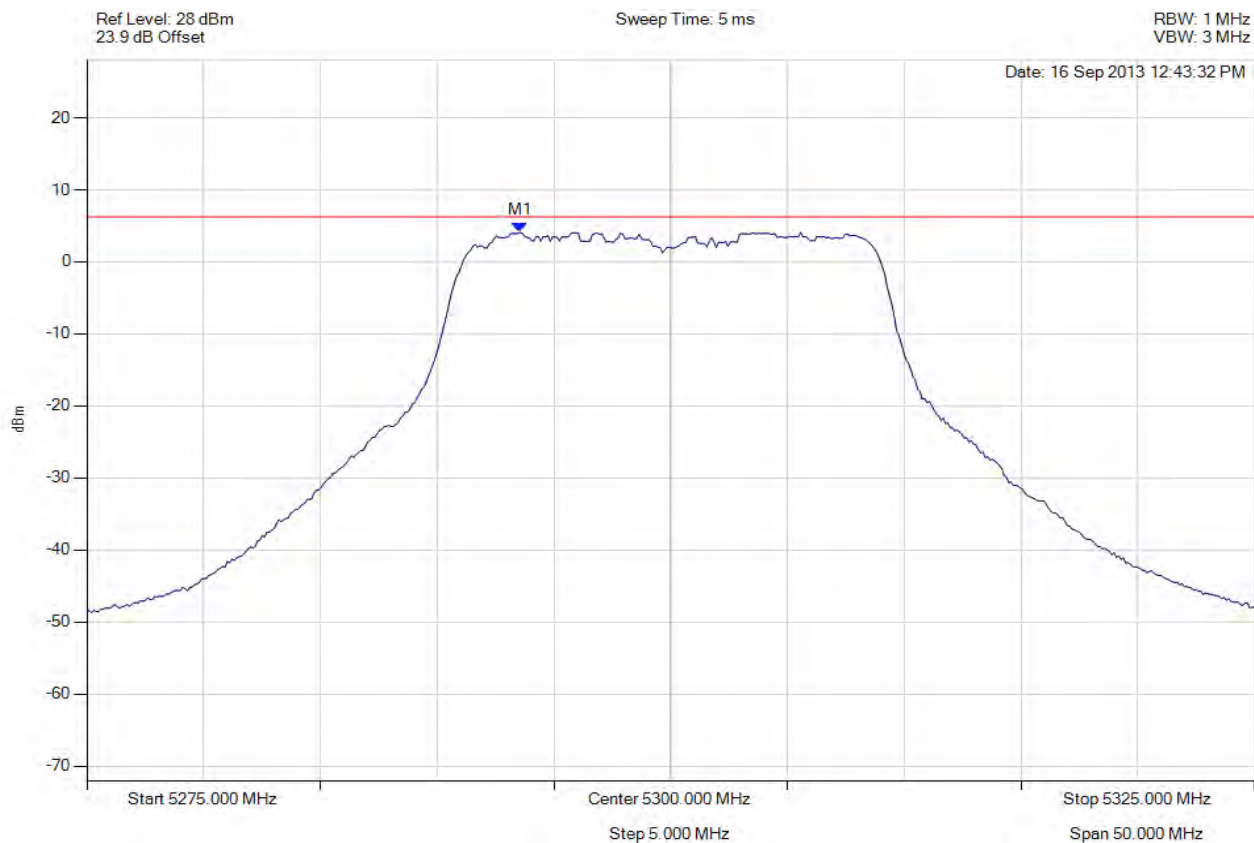


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5293.537 MHz : 4.083 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.75 dB |

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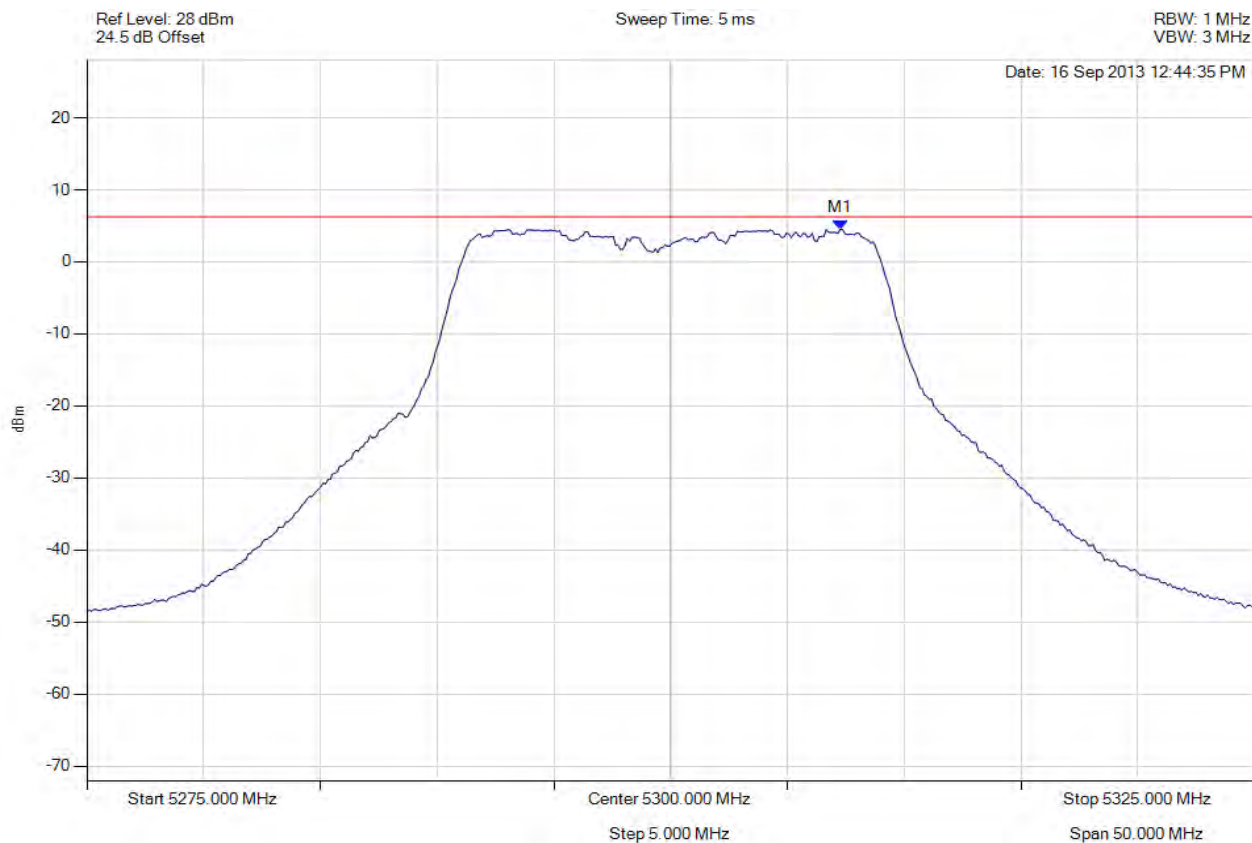


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5307.265 MHz : 4.531 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.30 dB |

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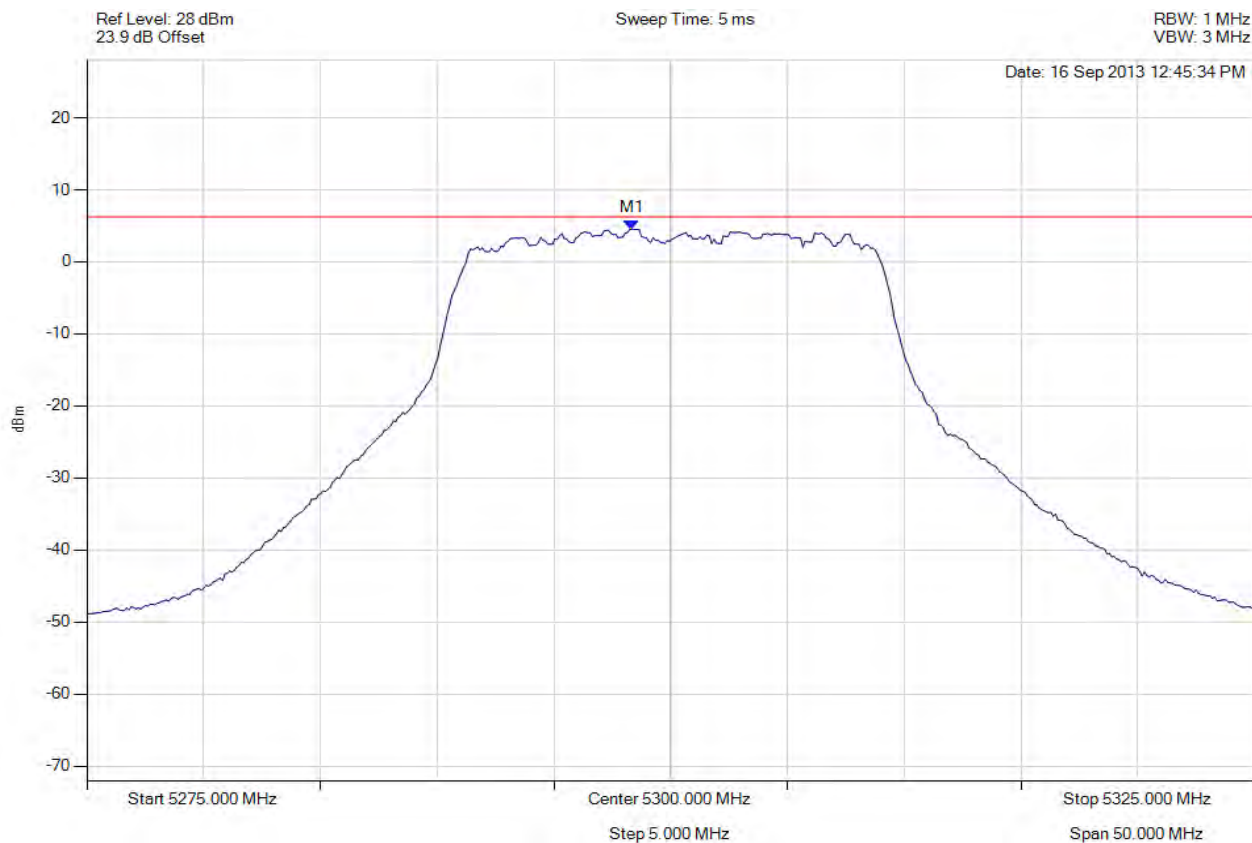


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5298.347 MHz : 4.541 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.29 dB |

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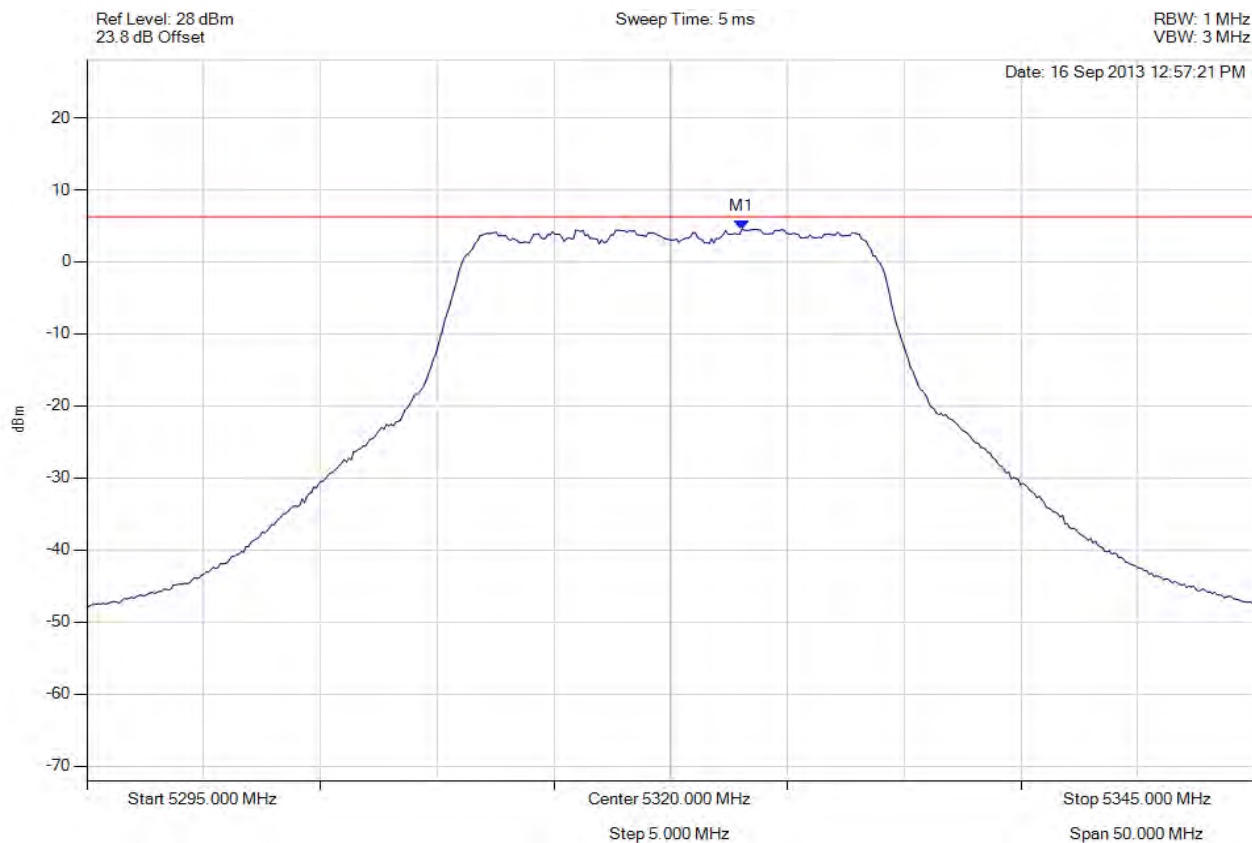


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5323.056 MHz : 4.549 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.28 dB |

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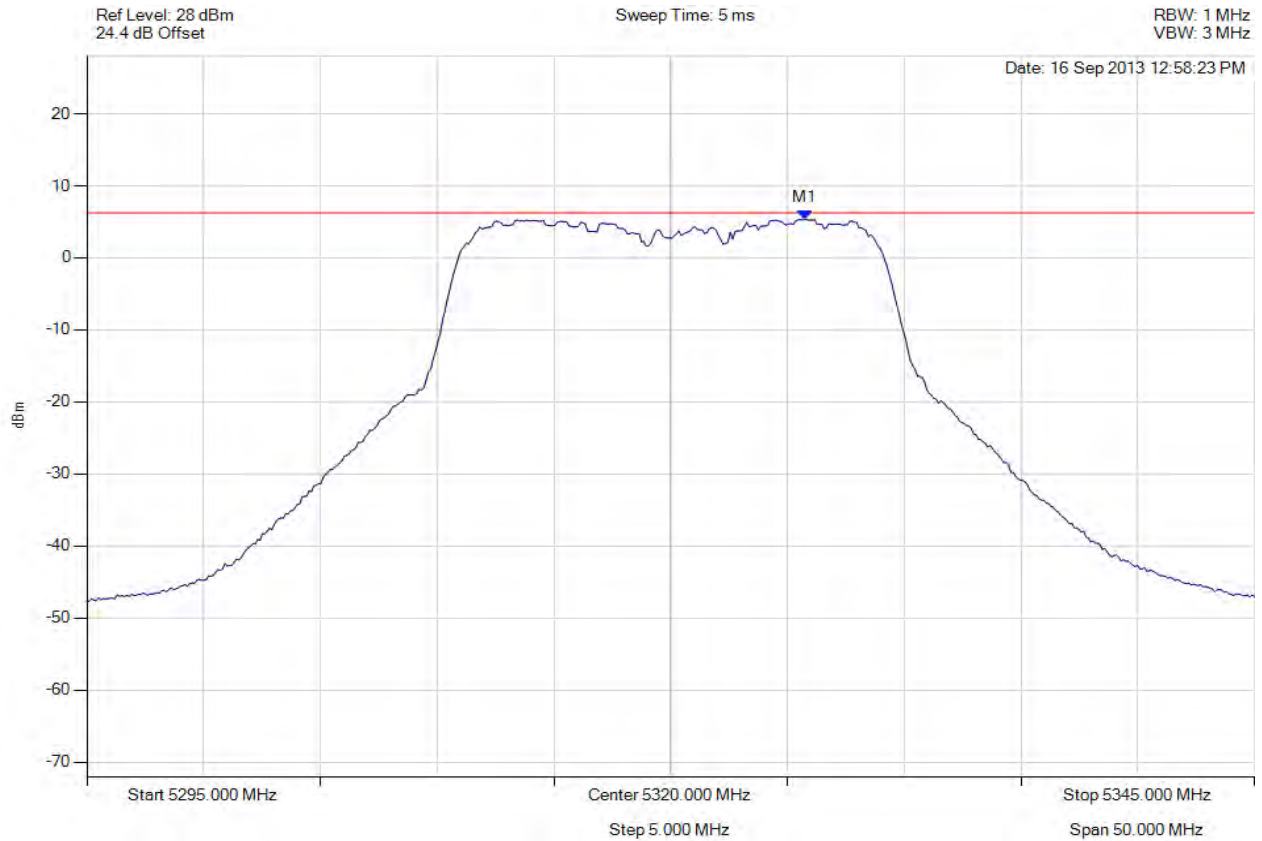


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5325.762 MHz : 5.329 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: 0.50 dB |

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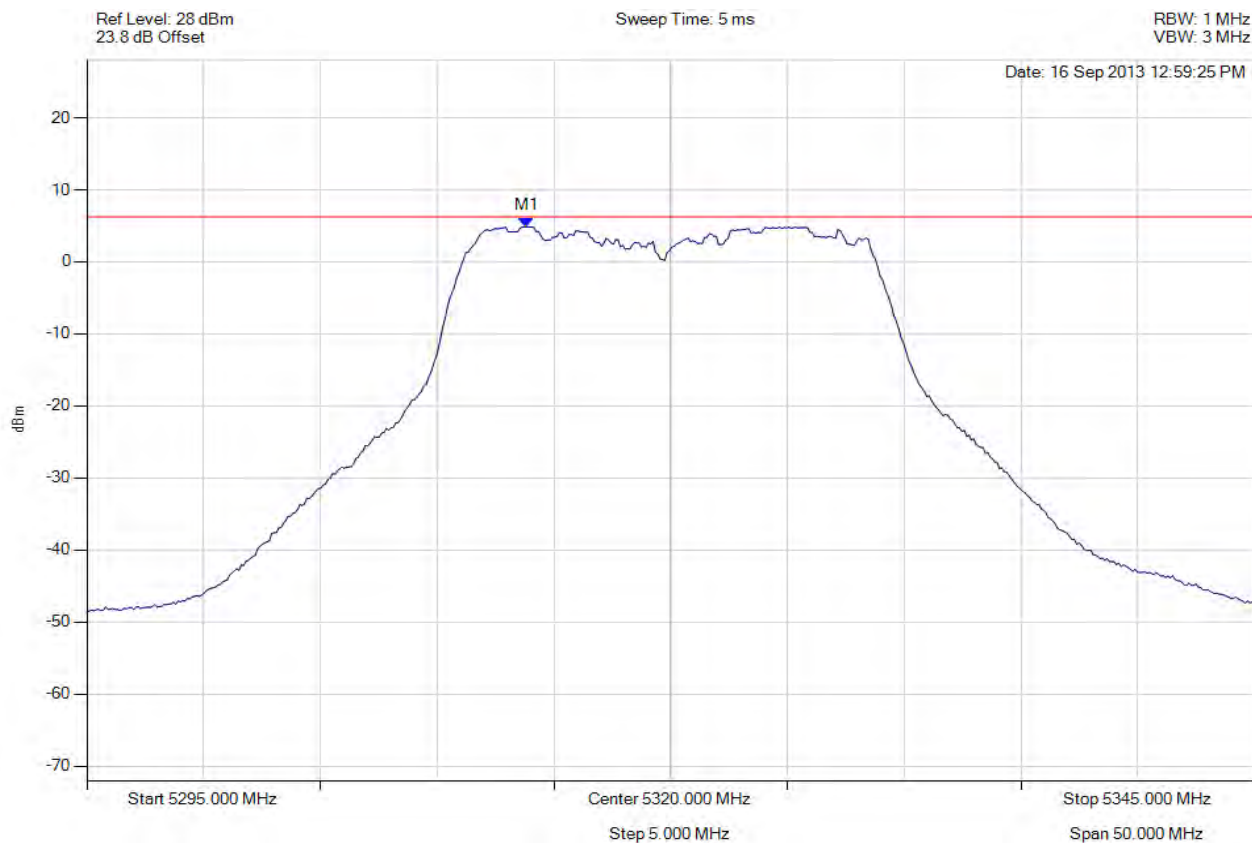


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5313.838 MHz : 4.845 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: 0.02 dB |

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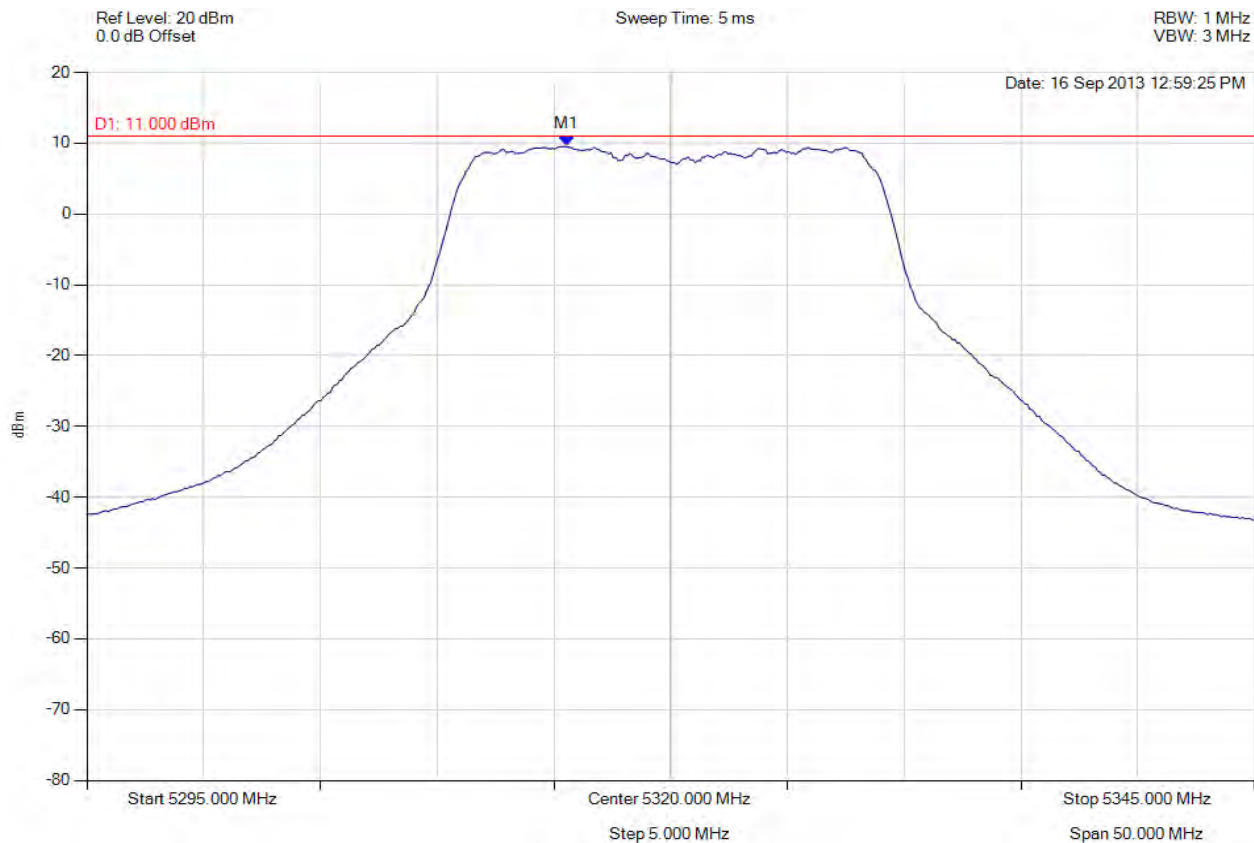


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5315.541 MHz : 9.550 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: 4.72 dB |

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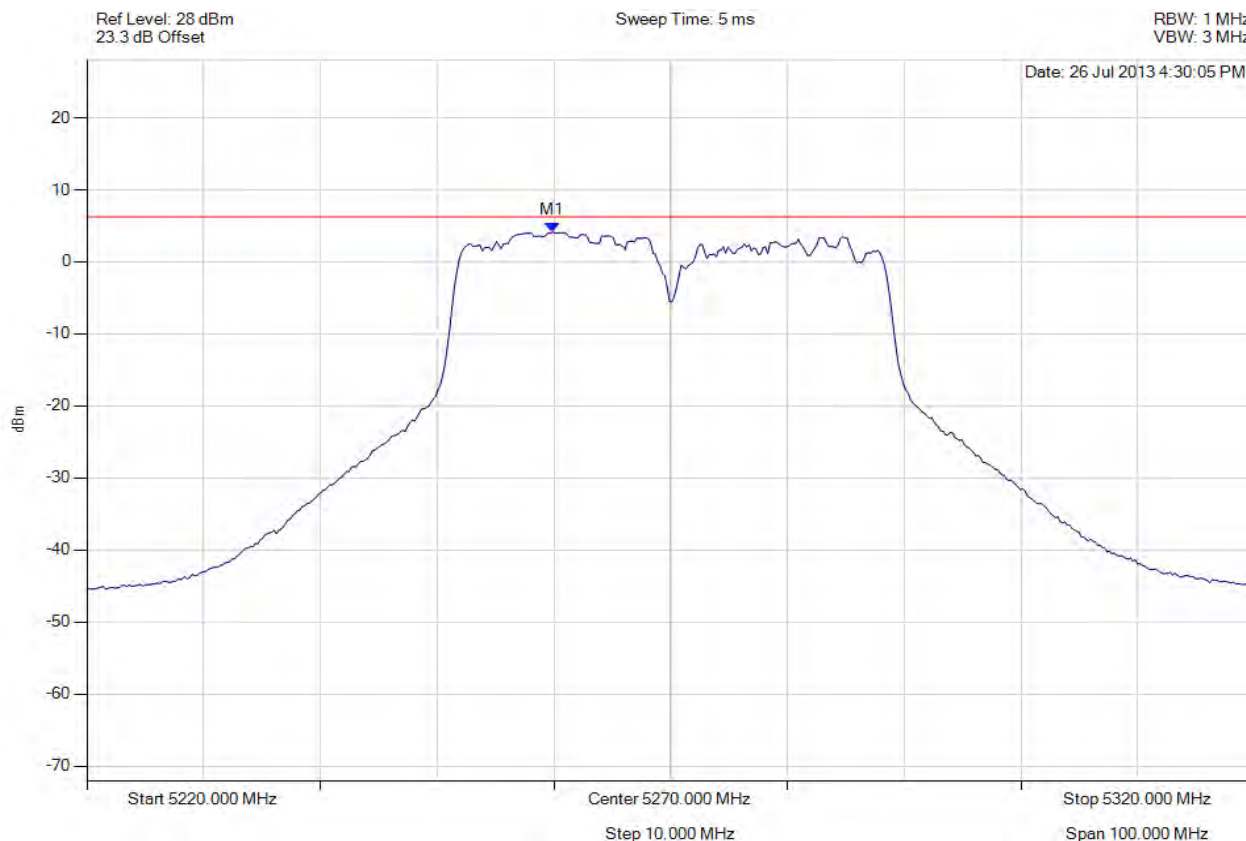


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5259.880 MHz : 4.137 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.69 dB |

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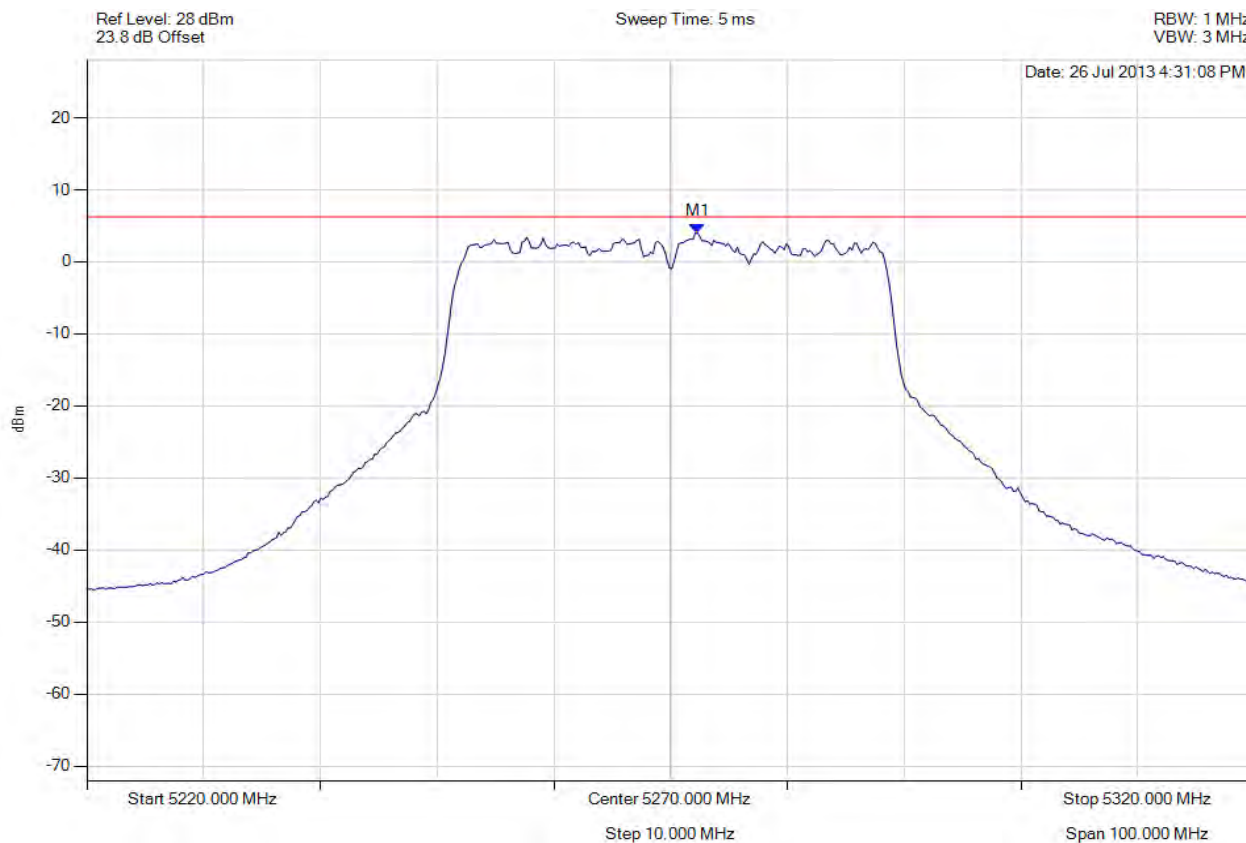


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5272.305 MHz : 4.006 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.82 dB |

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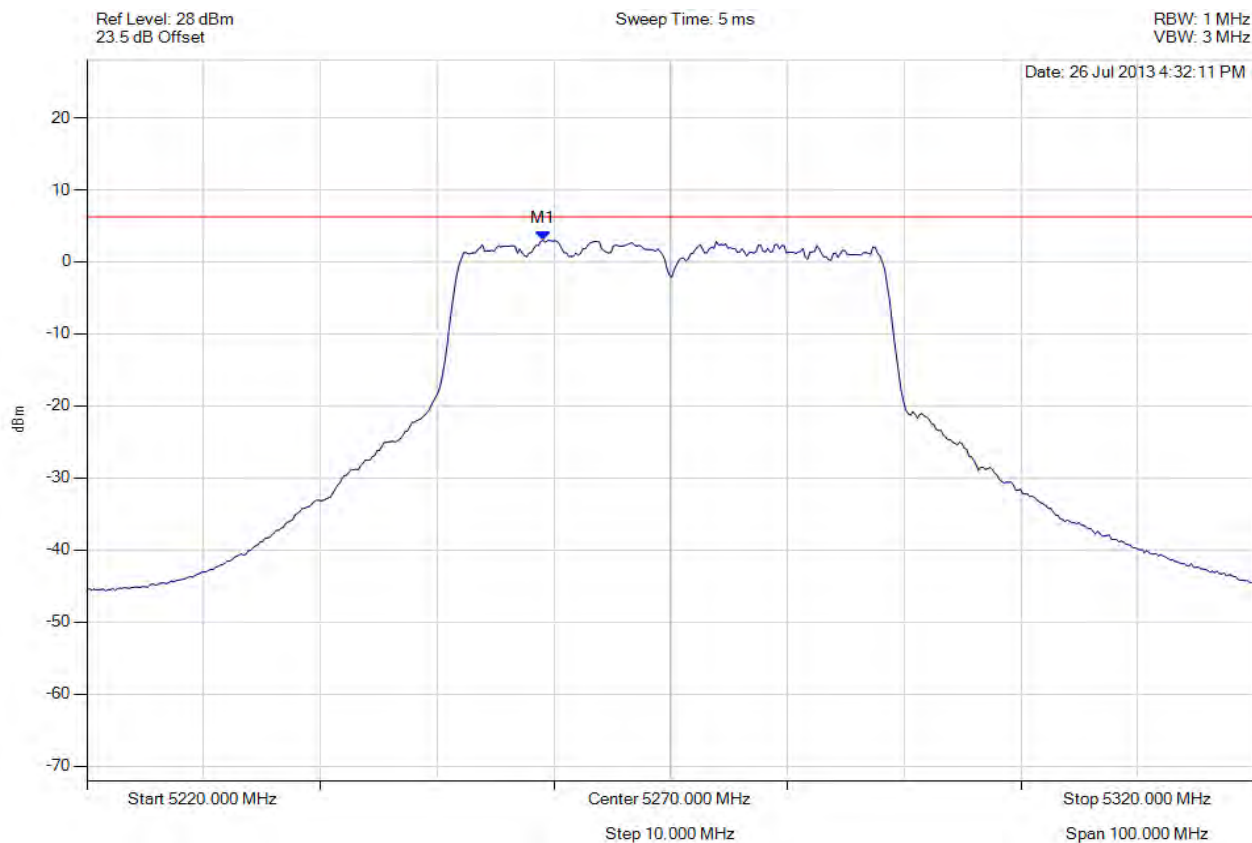


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5259.078 MHz : 2.974 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -1.85 dB |

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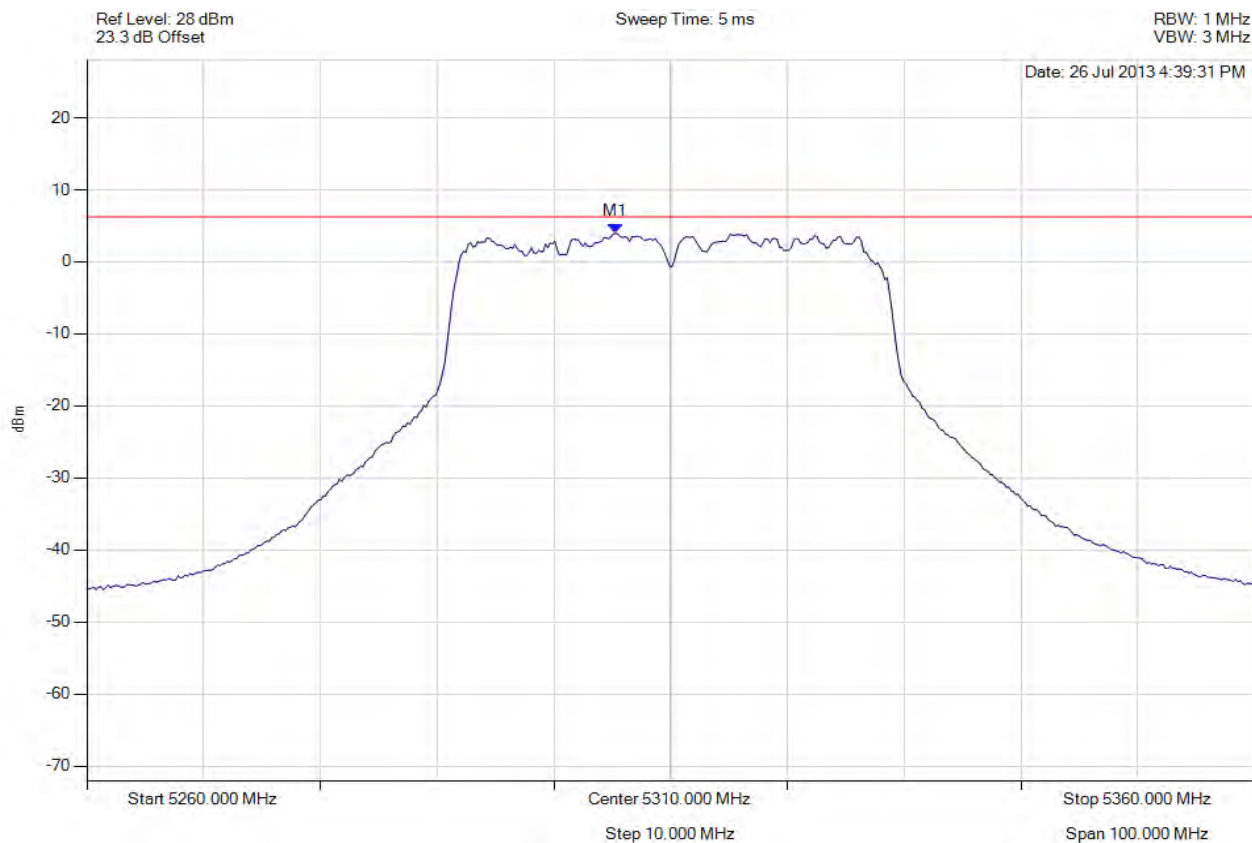


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5305.291 MHz : 3.948 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.88 dB |

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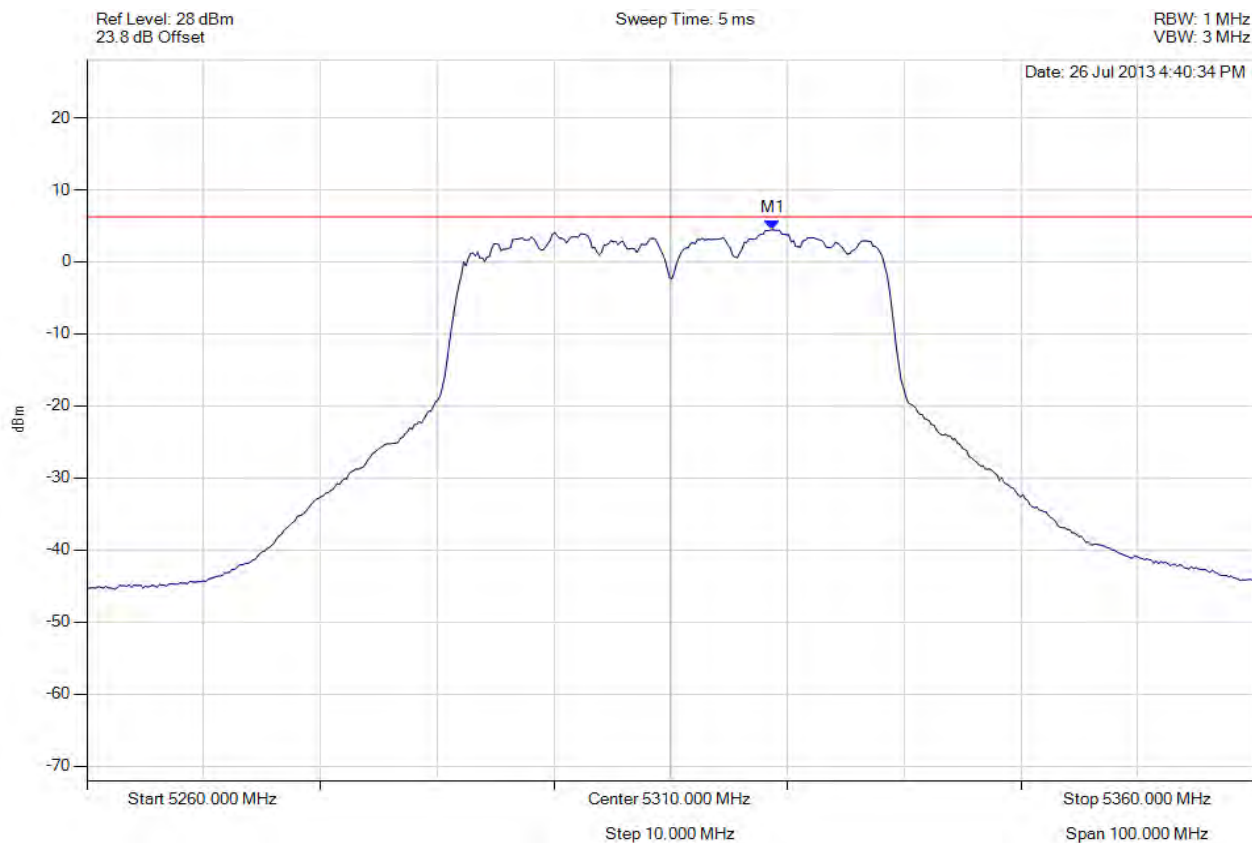


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5318.717 MHz : 4.460 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.37 dB |

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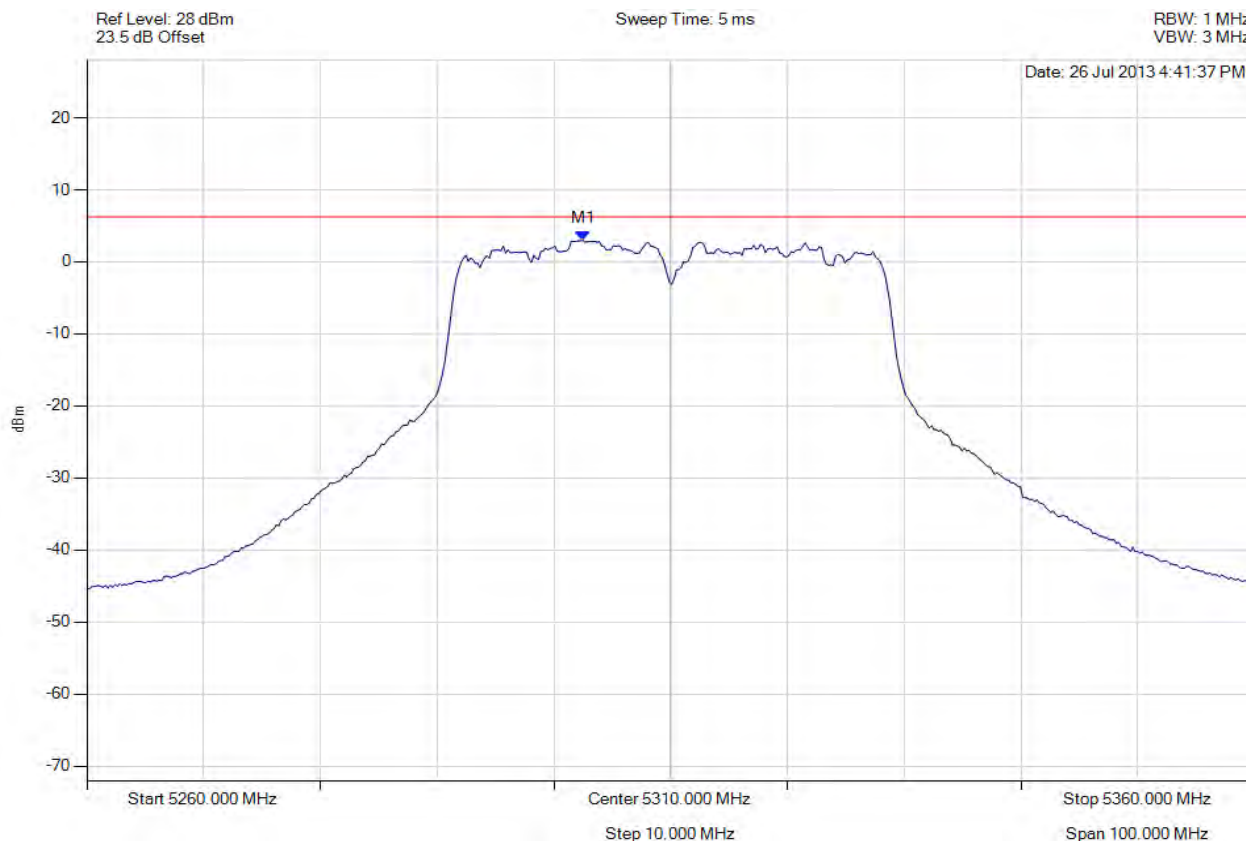


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5302.485 MHz : 2.958 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -1.87 dB |

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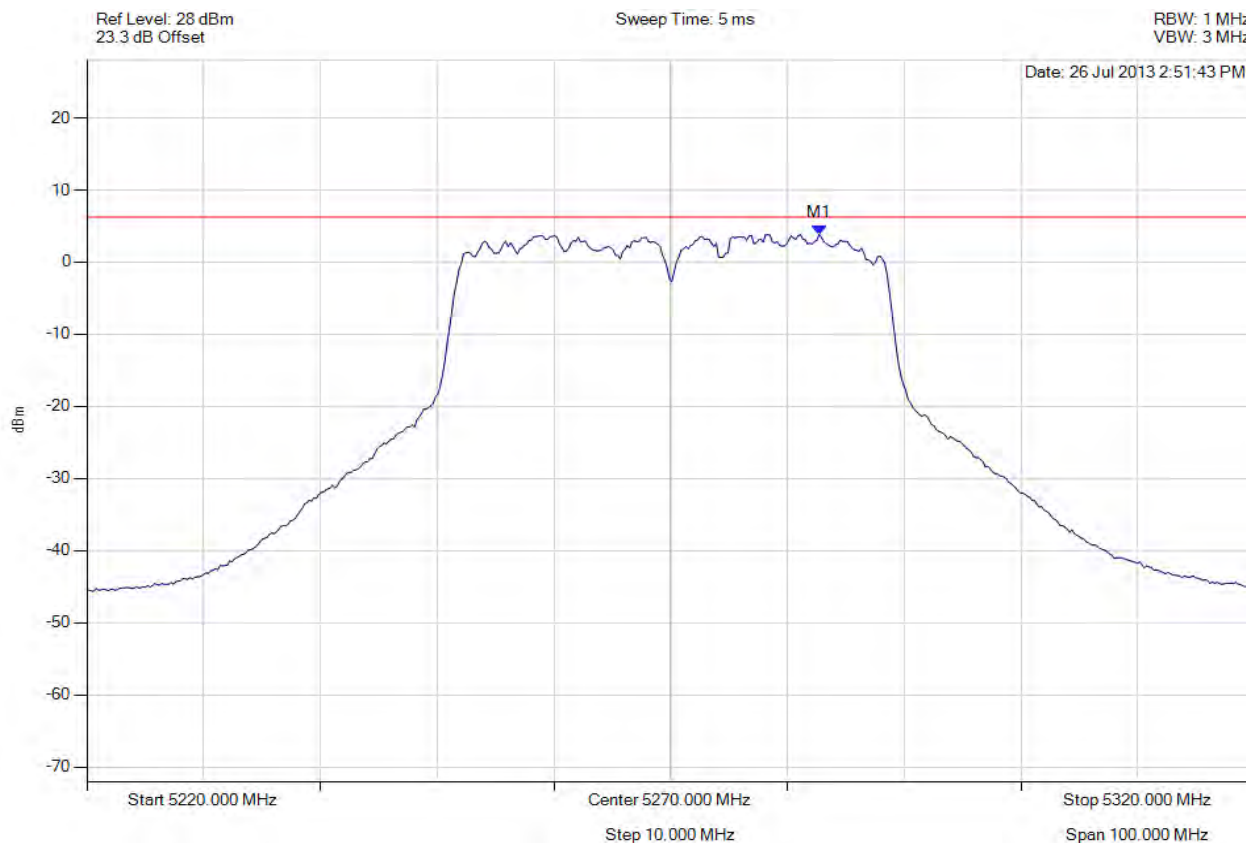


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5282.725 MHz : 3.835 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.99 dB |

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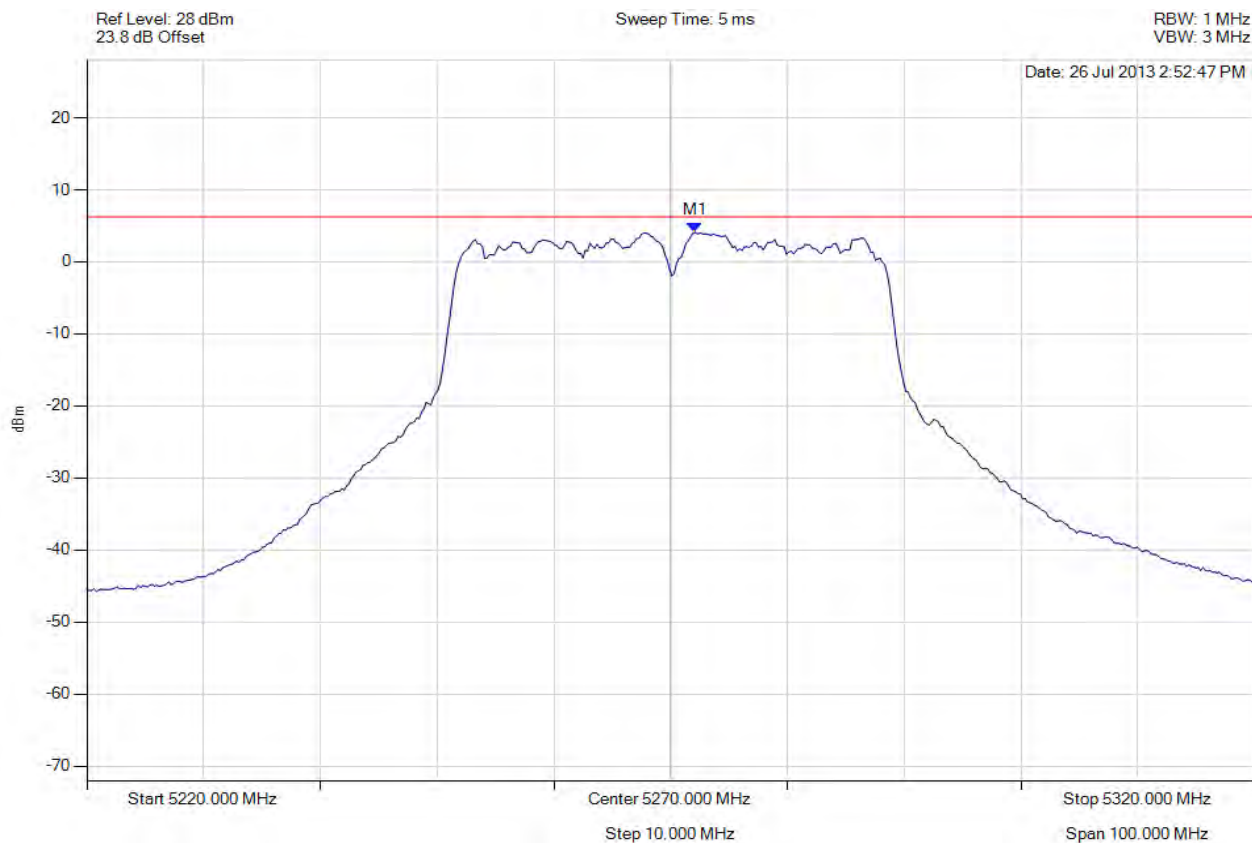


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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**Serial #:** HPWD41-U6 Rev B  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5272.104 MHz : 4.098 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.73 dB |

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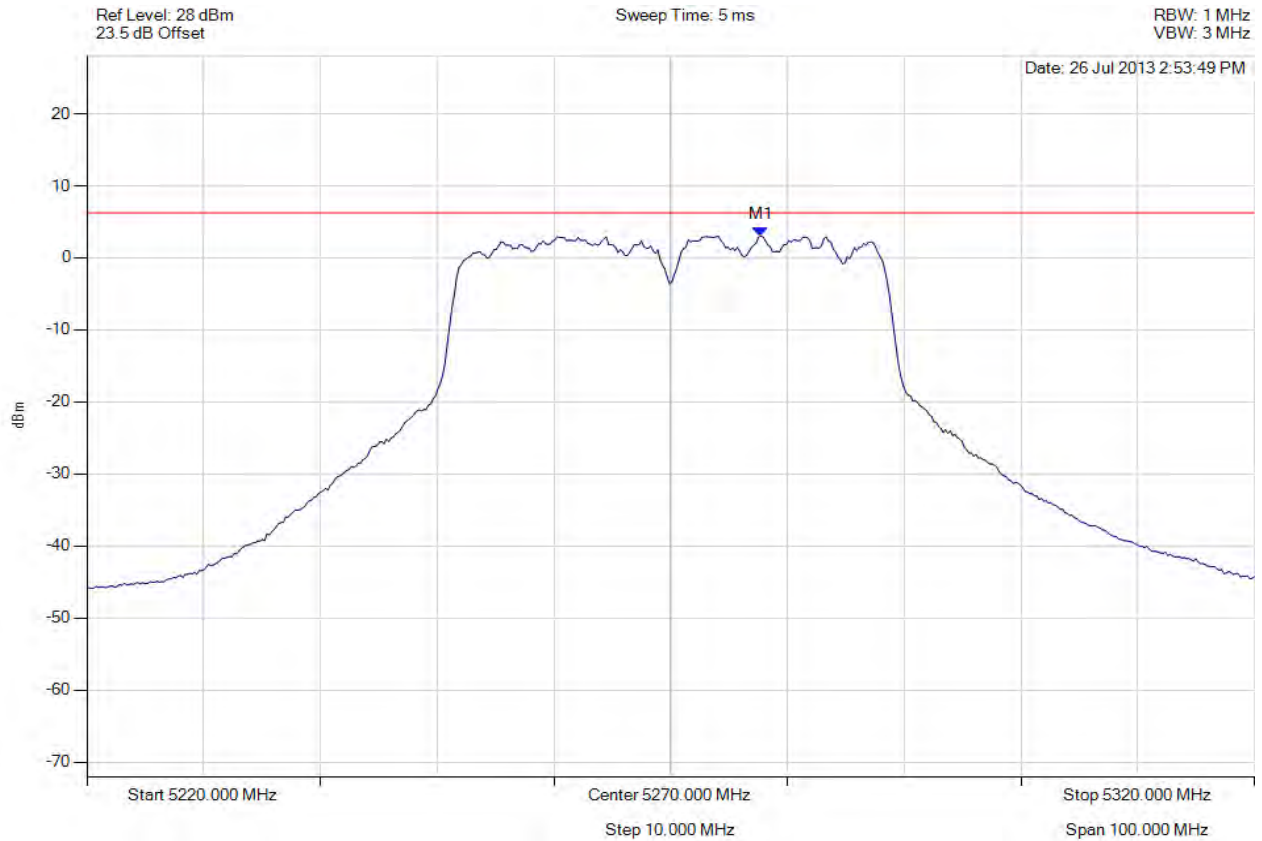


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5277.715 MHz : 3.032 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -1.80 dB |

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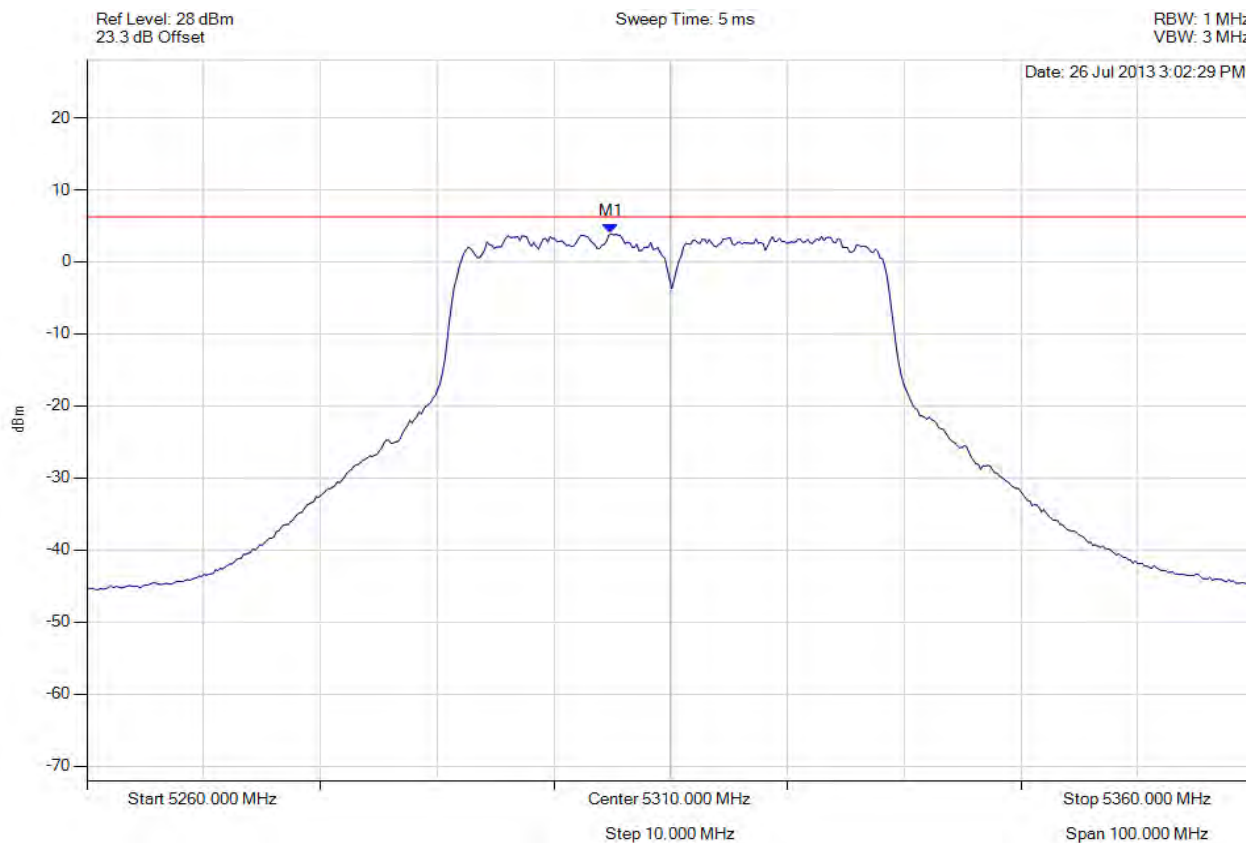


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5304.890 MHz : 3.894 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.93 dB |

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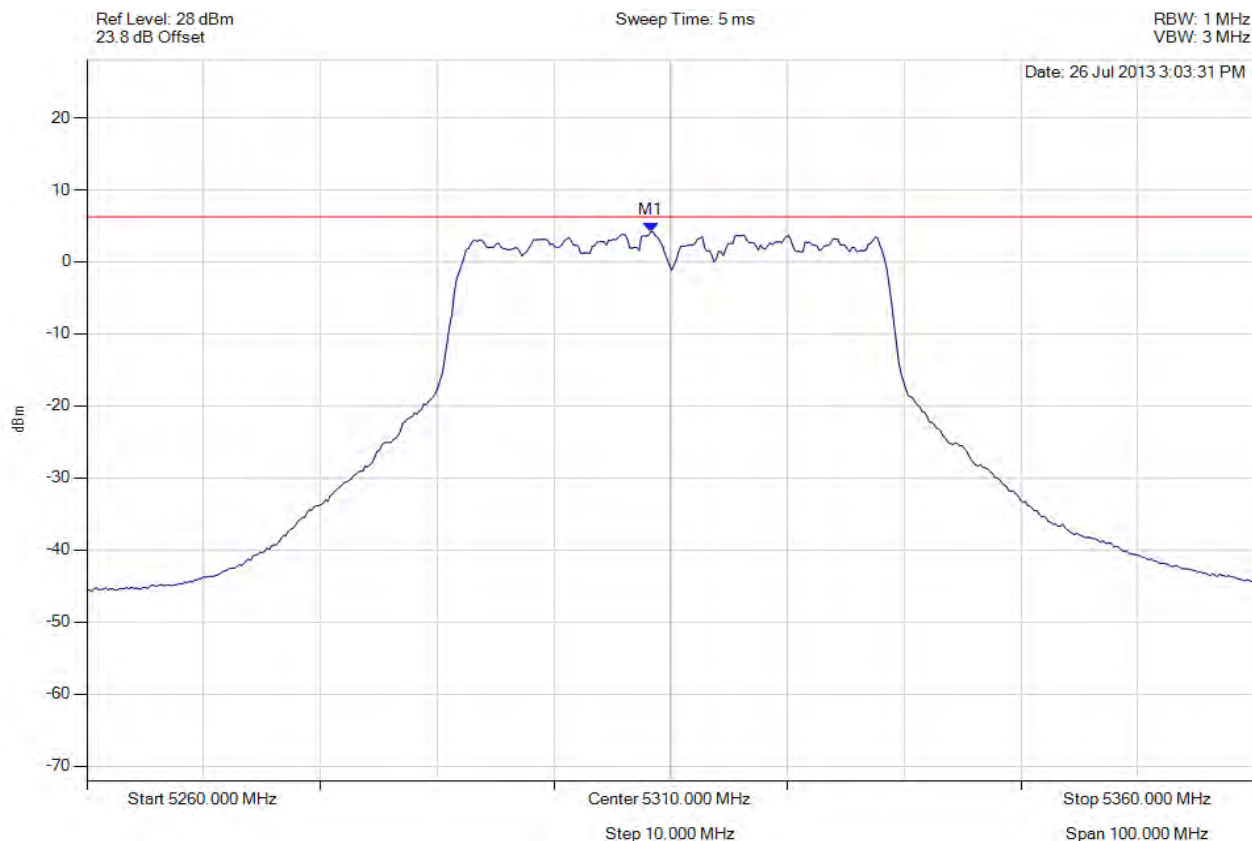


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5308.297 MHz : 4.170 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -0.66 dB |

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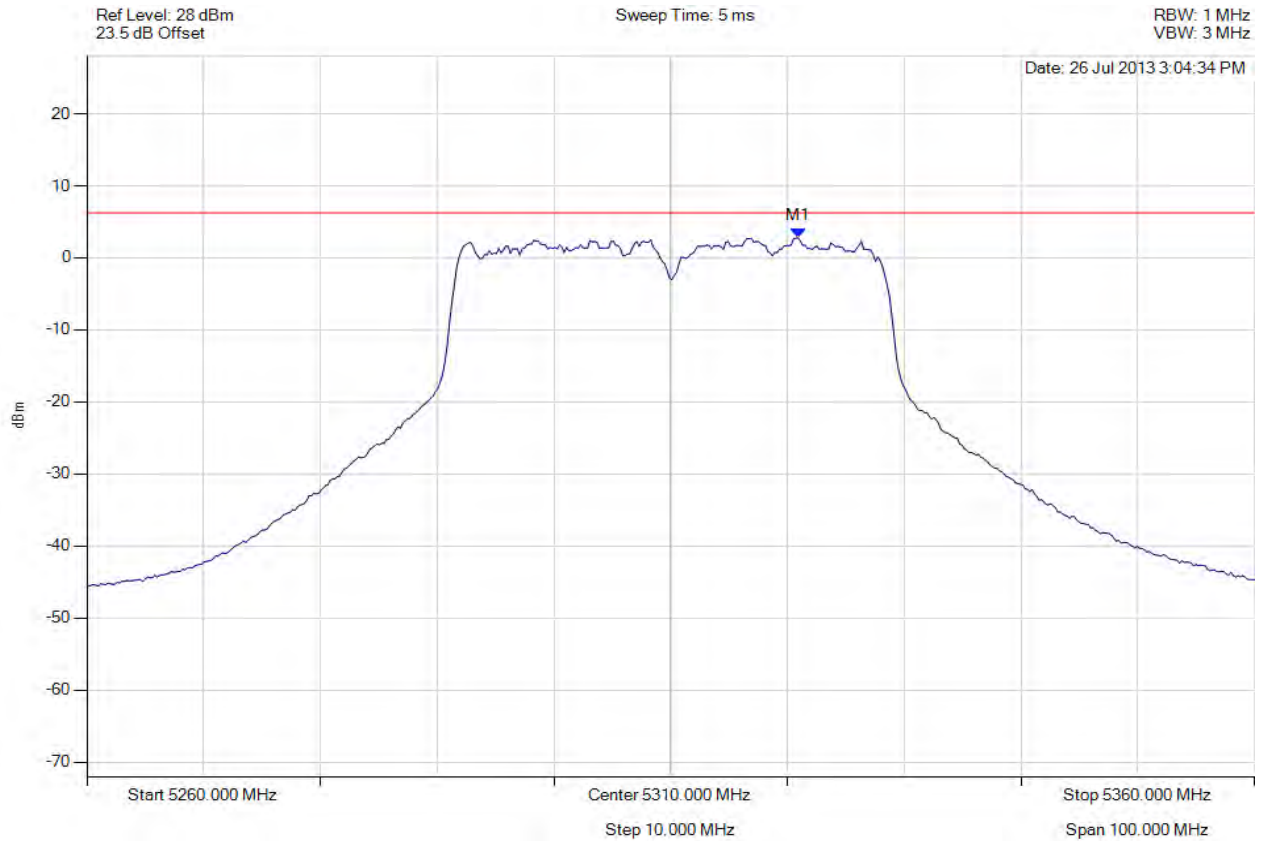


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5320.922 MHz : 2.753 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -2.08 dB |

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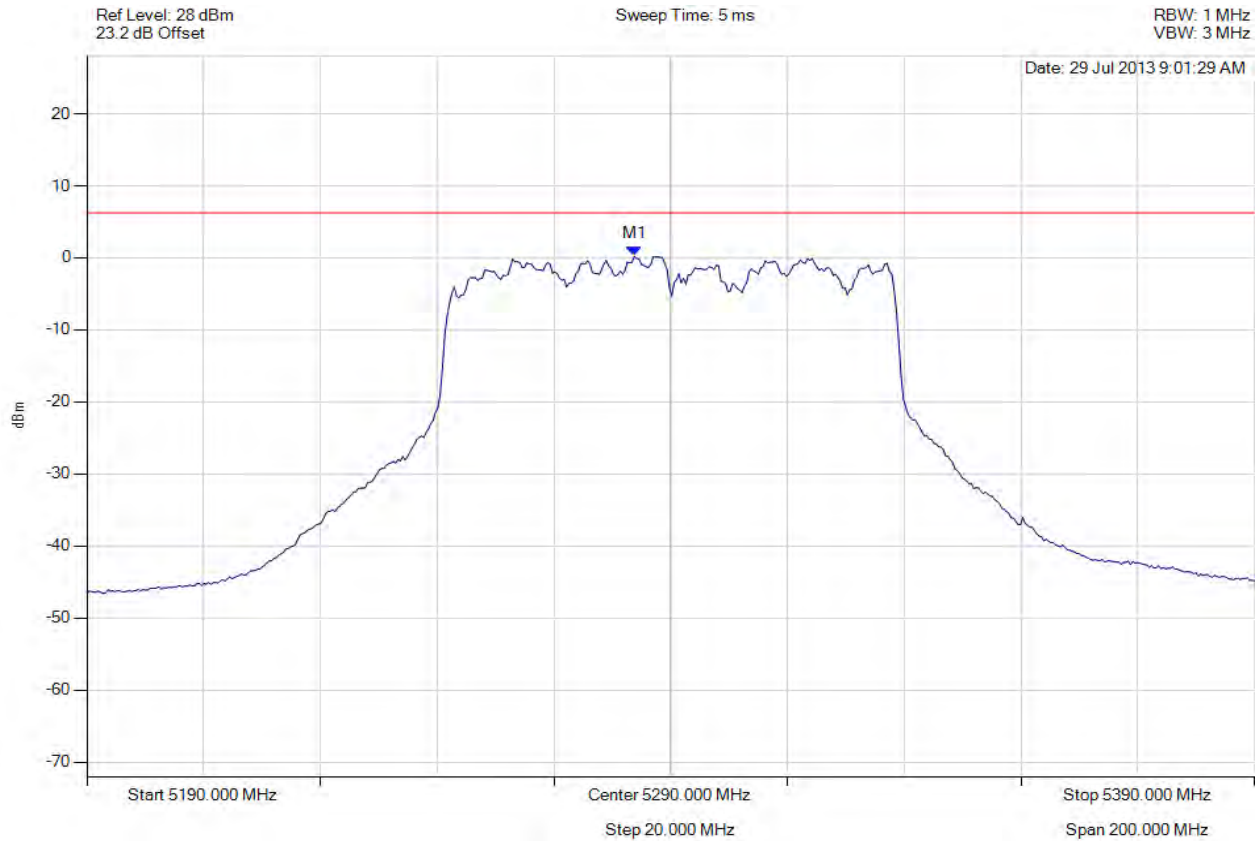


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5283.788 MHz : 0.226 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -4.60 dB |

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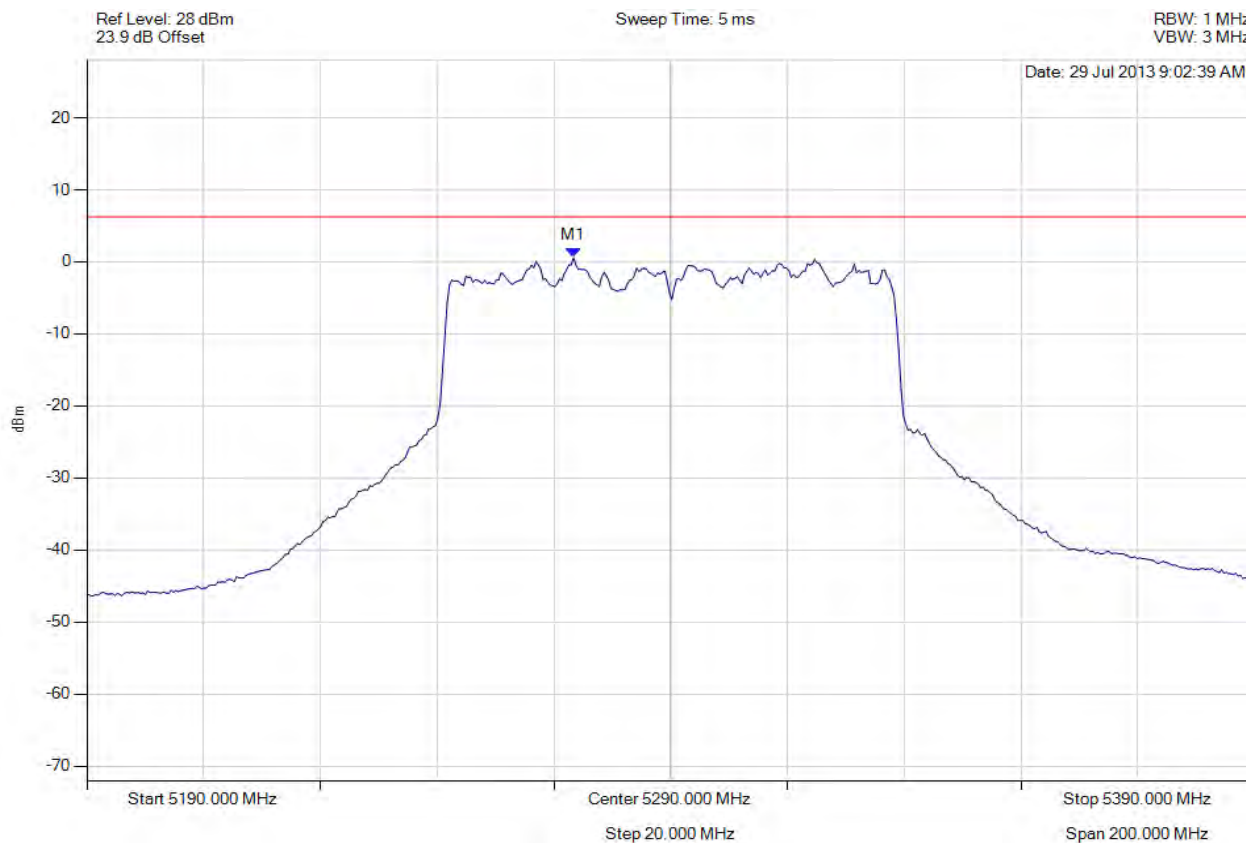


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5273.367 MHz : 0.567 dBm  | Limit: $\leq 4.829$ dBm<br>Margin: -4.26 dB |

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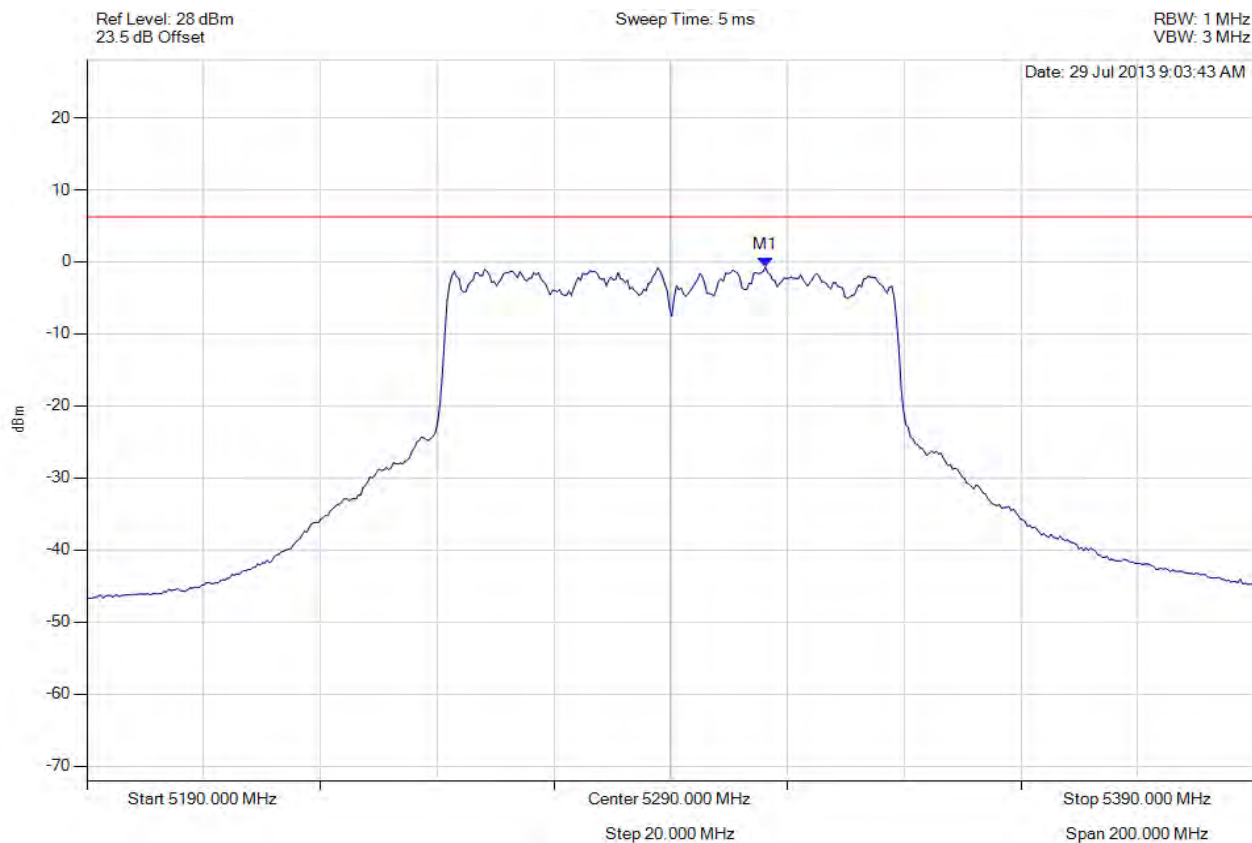


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5306.232 MHz : -0.703 dBm | Limit: $\leq 4.829$ dBm<br>Margin: 5.53 dB |

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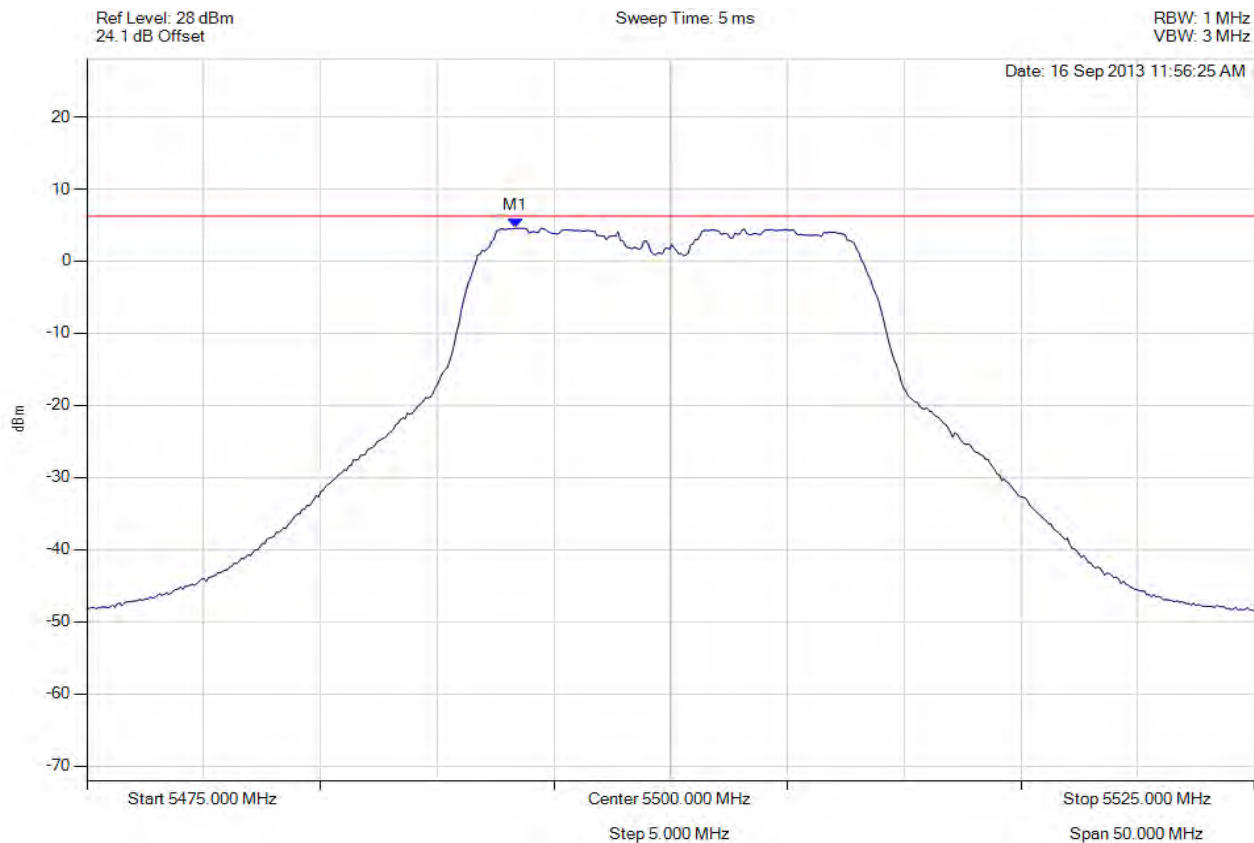


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5493.337 MHz : 4.577 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.15 dB |

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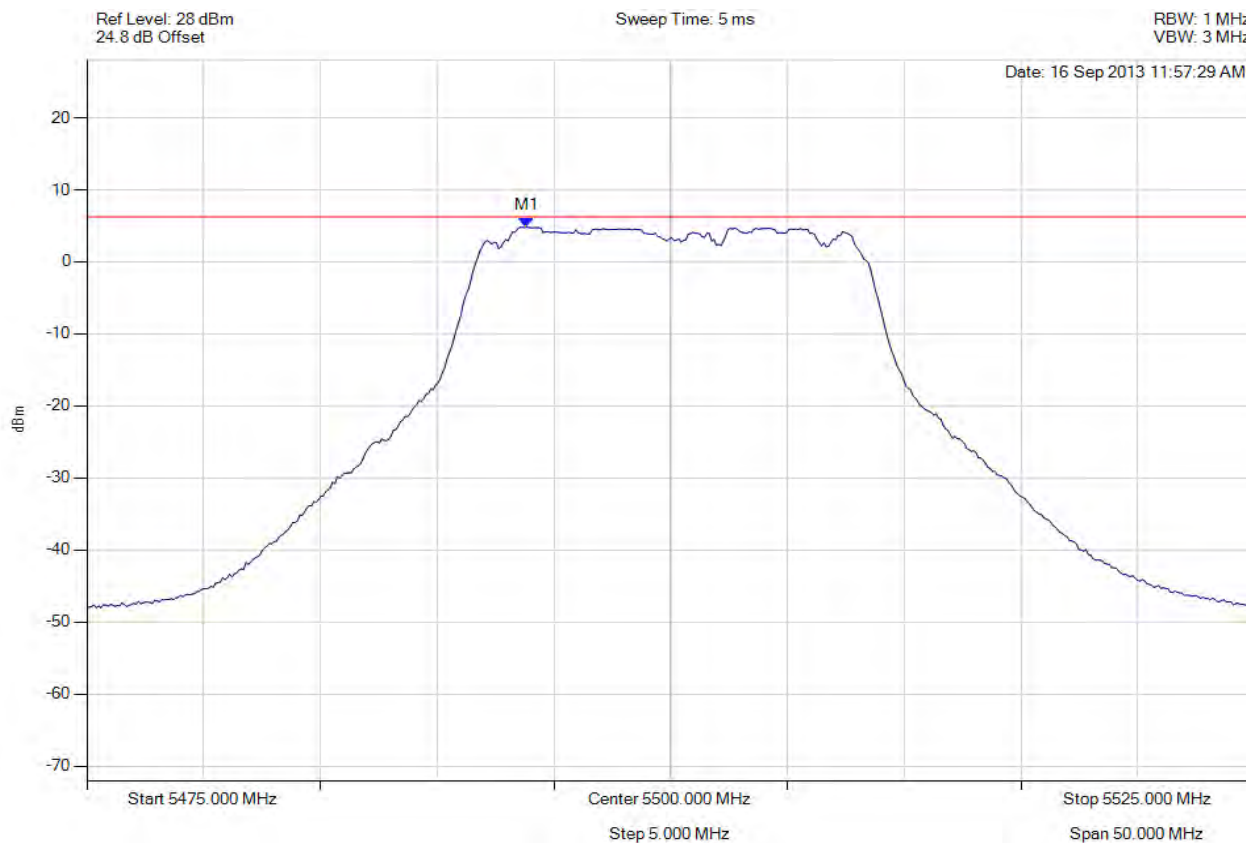


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5493.838 MHz : 4.828 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.40 dB |

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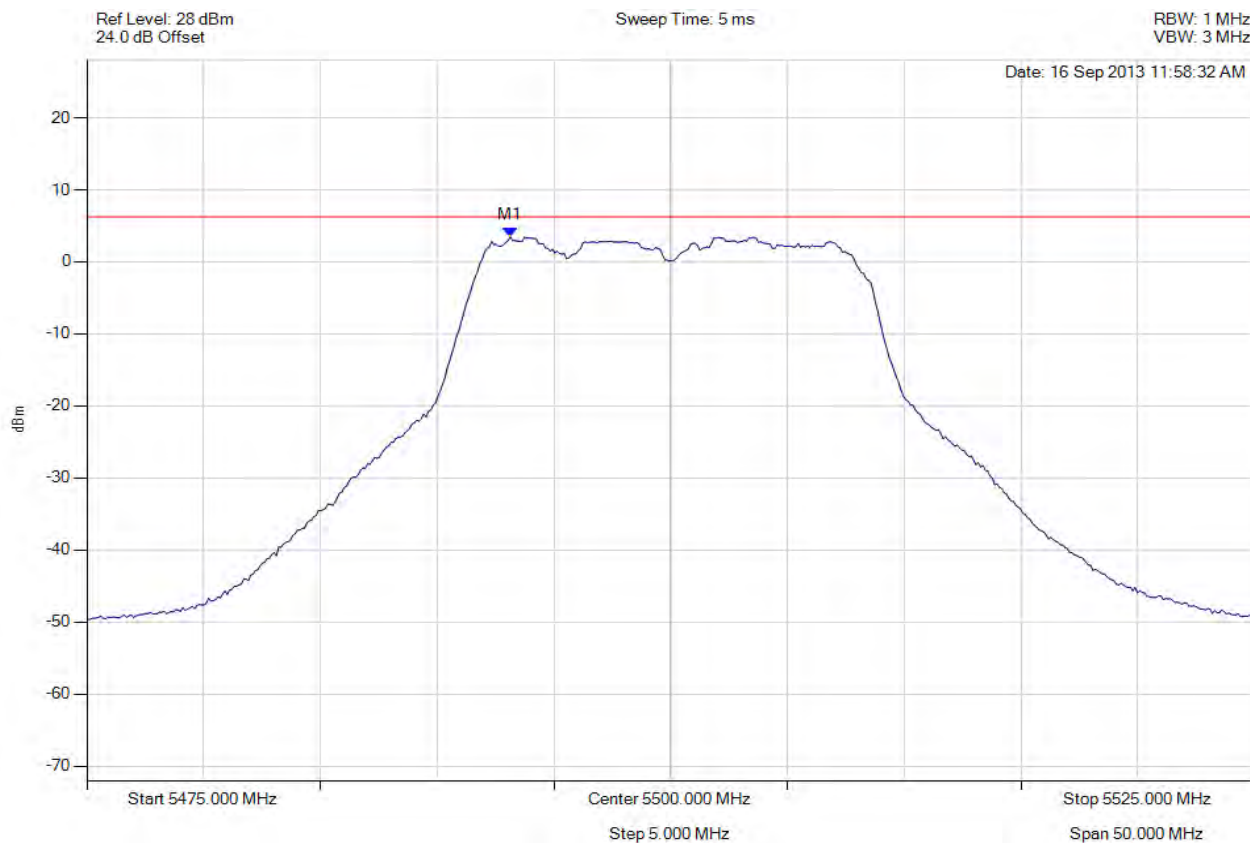


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5493.136 MHz : 3.437 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.99 dB |

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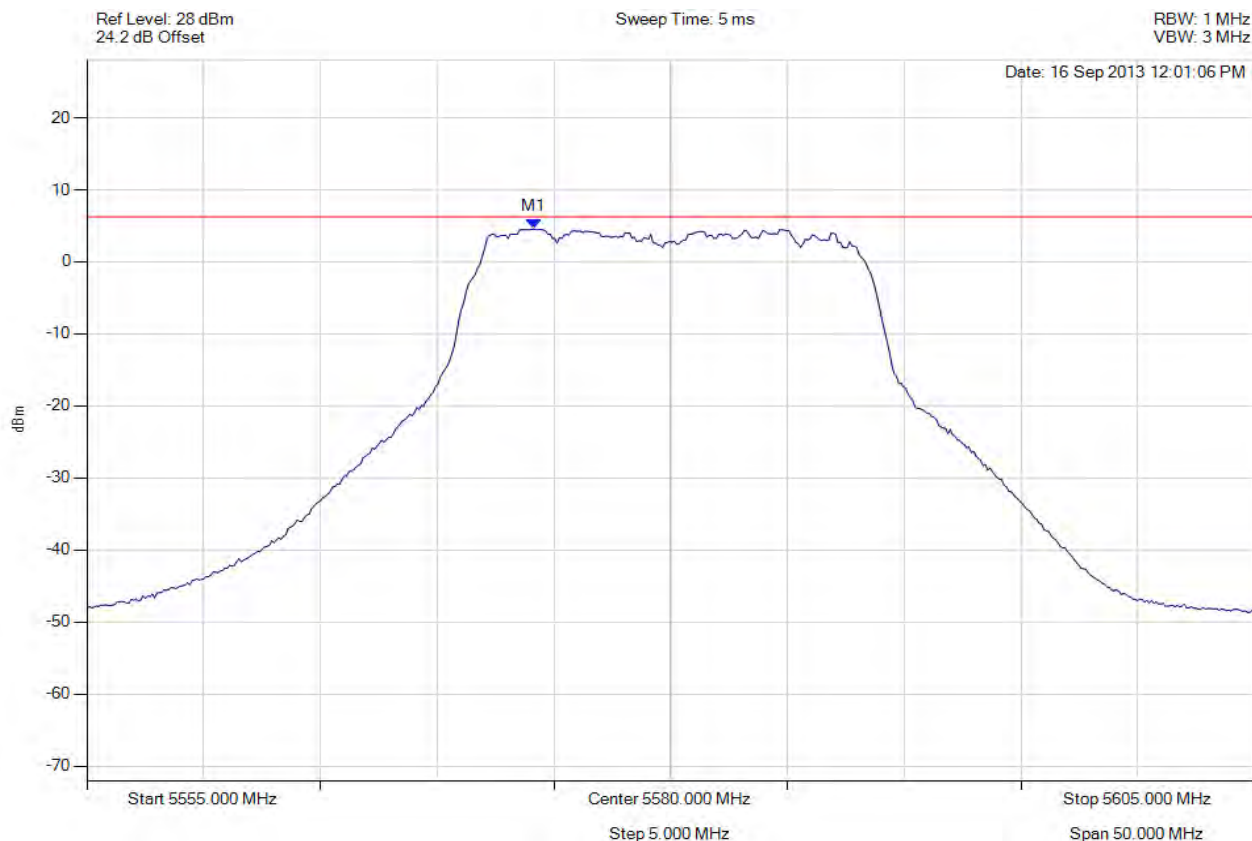


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5574.138 MHz : 4.574 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.14 dB |

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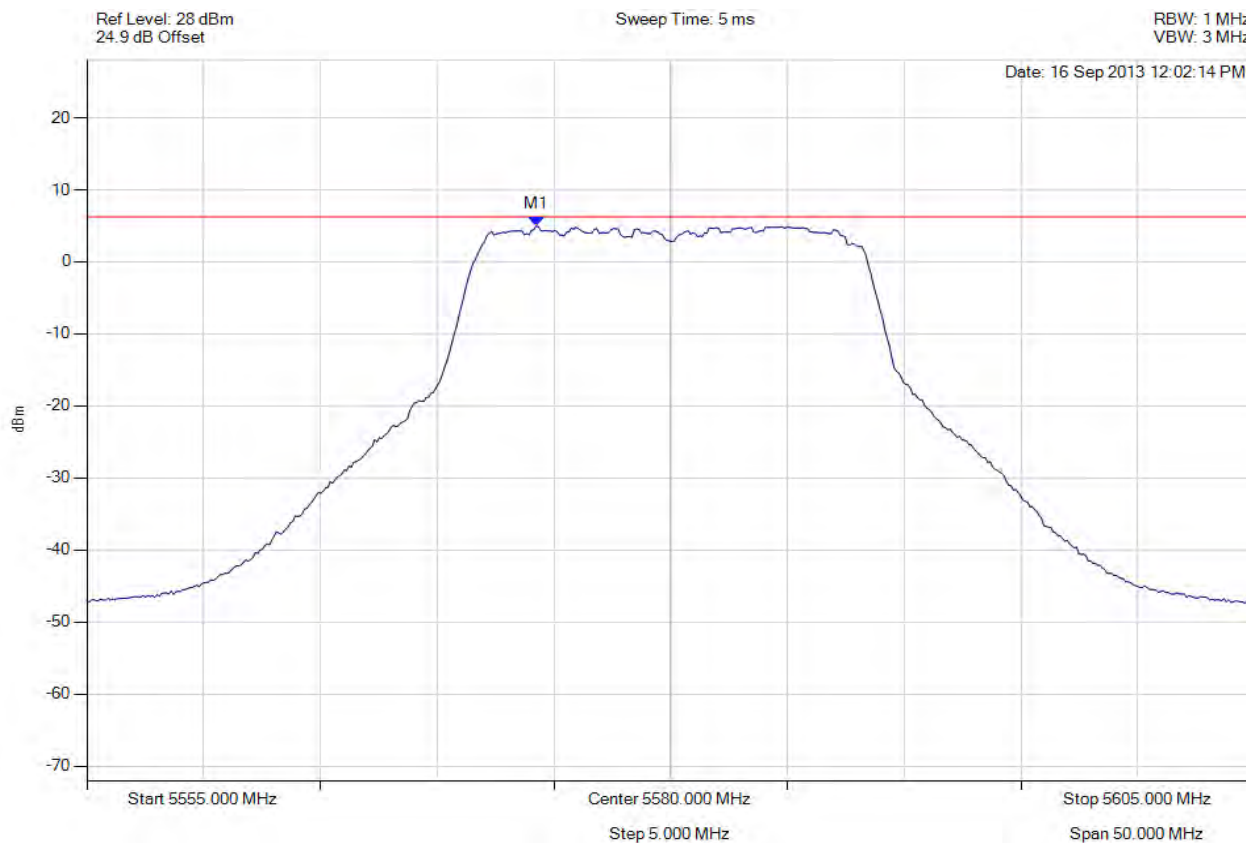


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5574.238 MHz : 4.962 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.53 dB |

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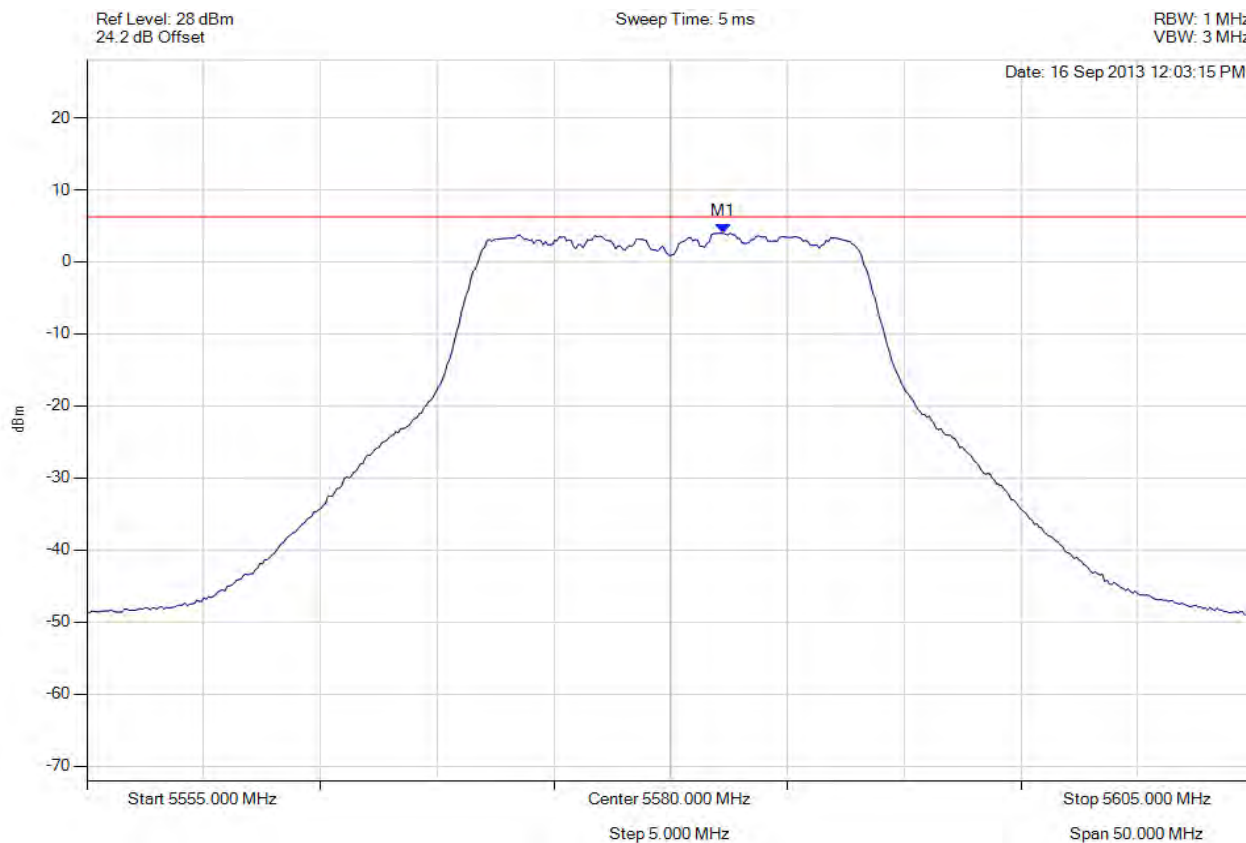


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5582.255 MHz : 3.977 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.45 dB |

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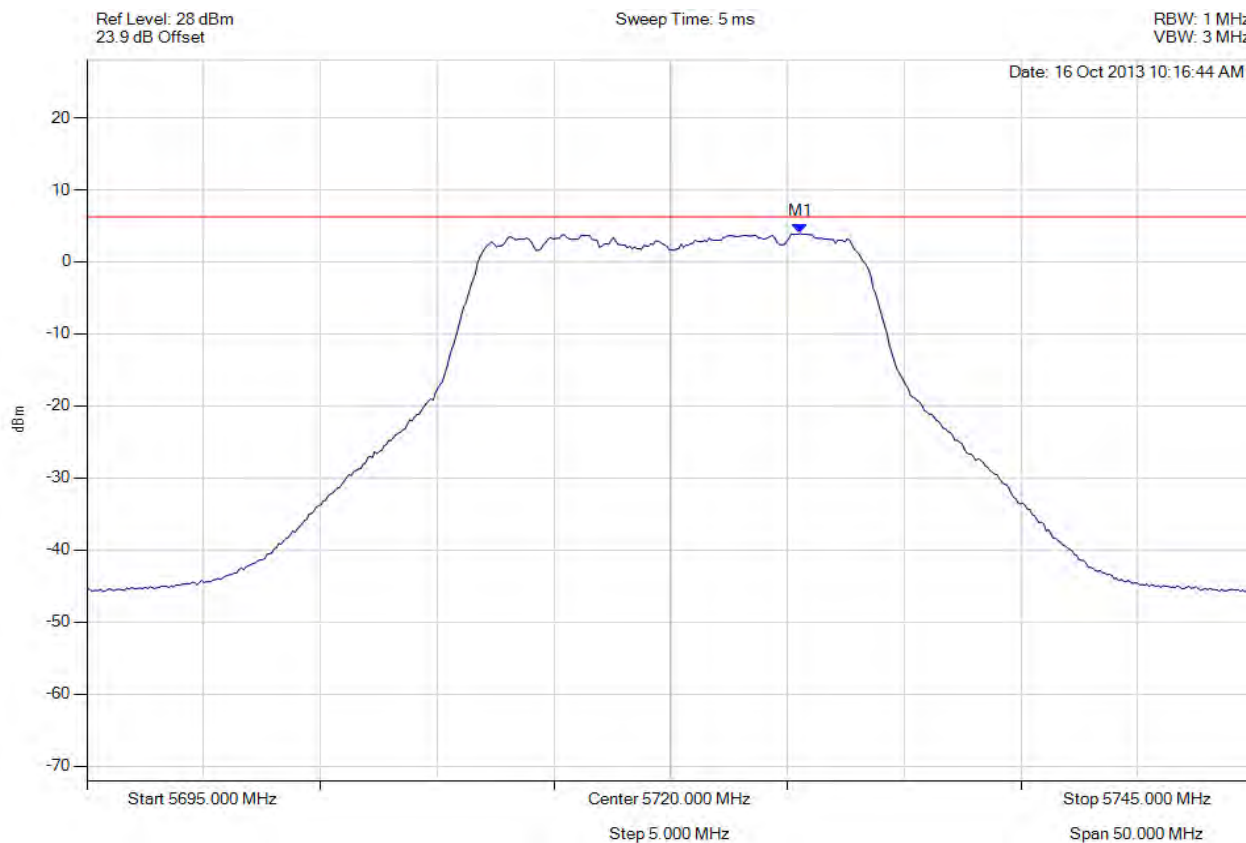


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5725.561 MHz : 3.926 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.50 dB |

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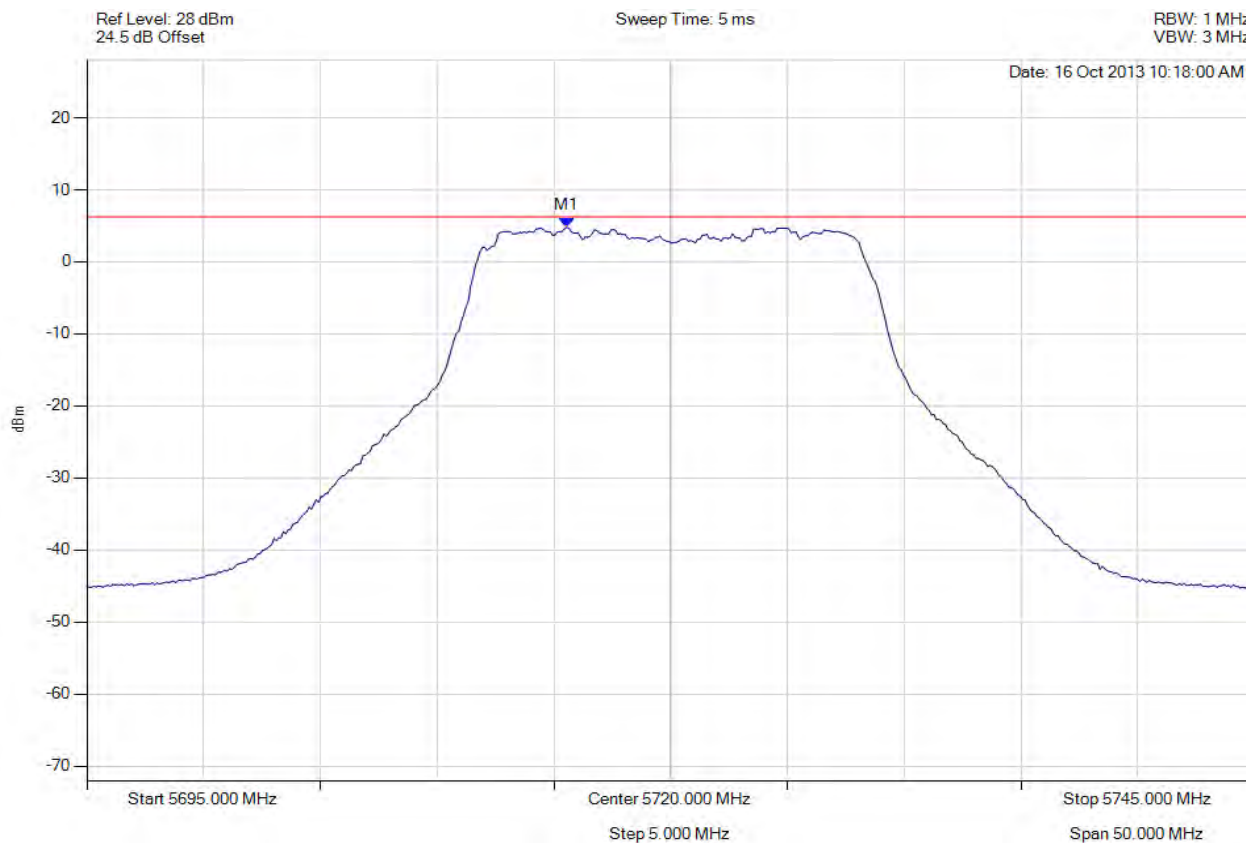


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5715.541 MHz : 4.789 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.36 dB |

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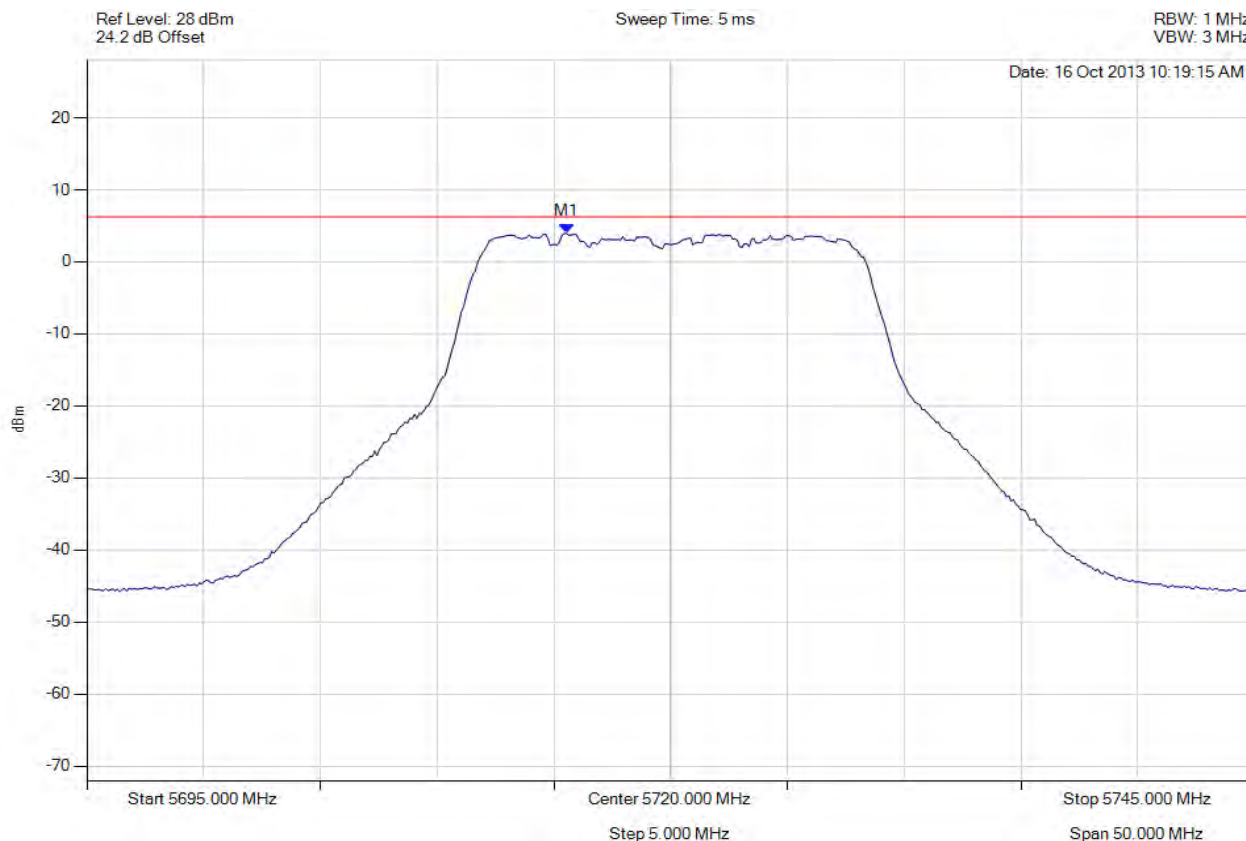


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5715.541 MHz : 3.954 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.48 dB |

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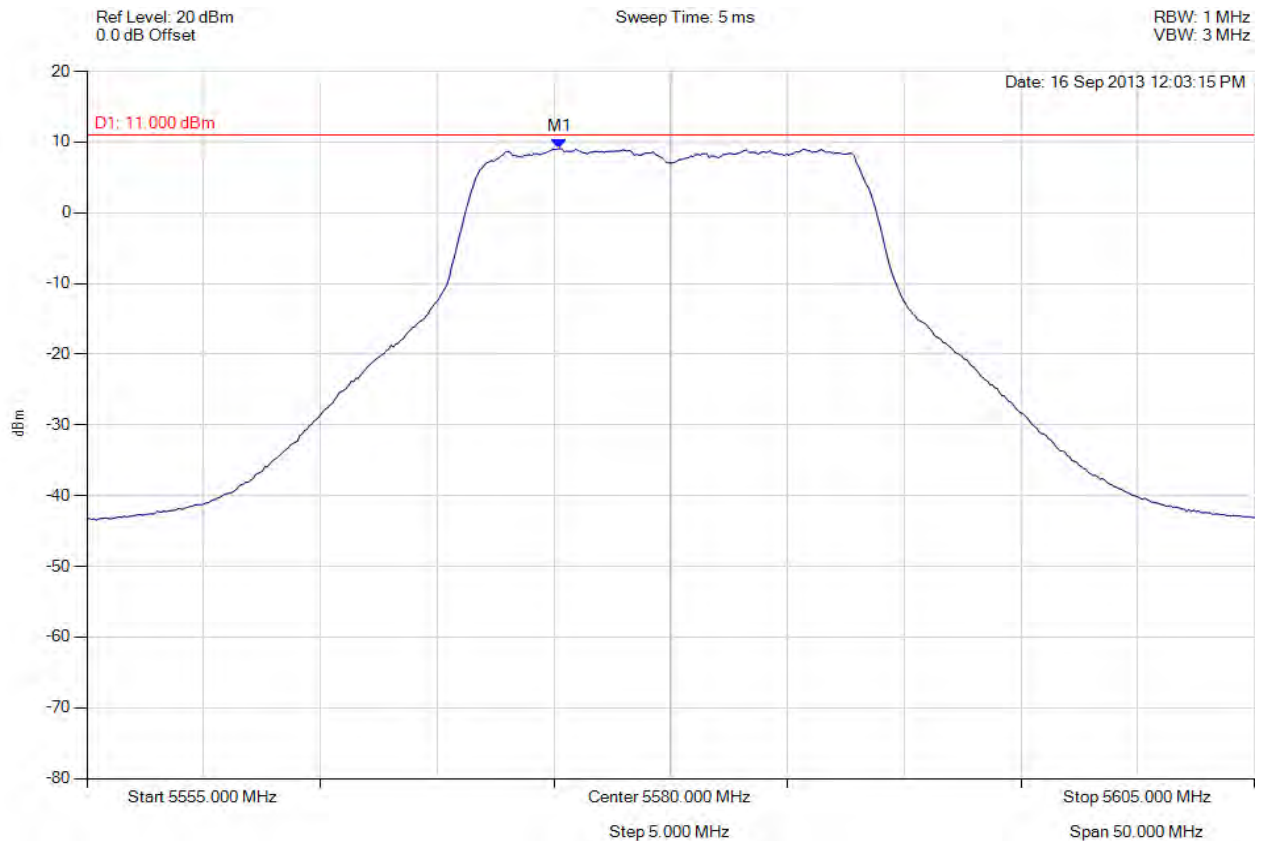


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5575.240 MHz : 9.080 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 4.65 dB |

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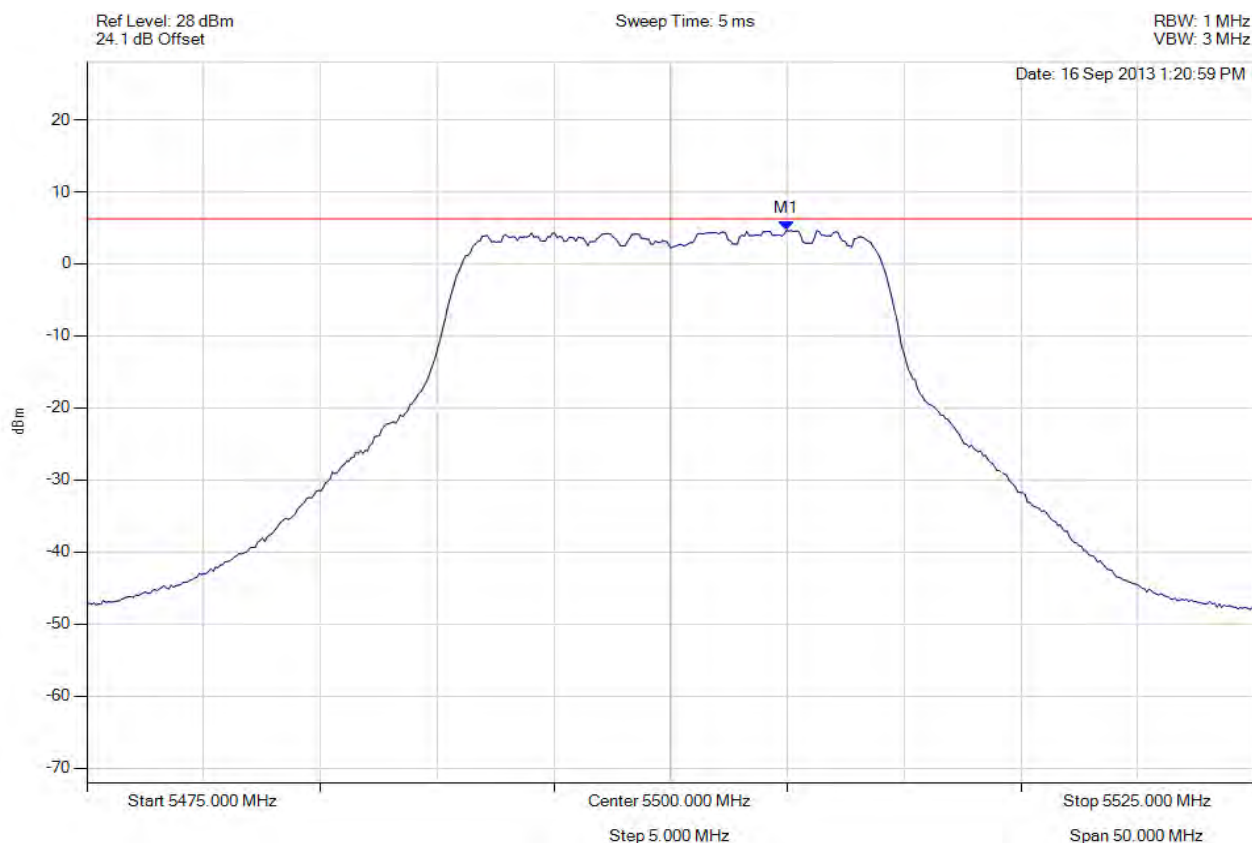


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5504.960 MHz : 4.636 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.21 dB |

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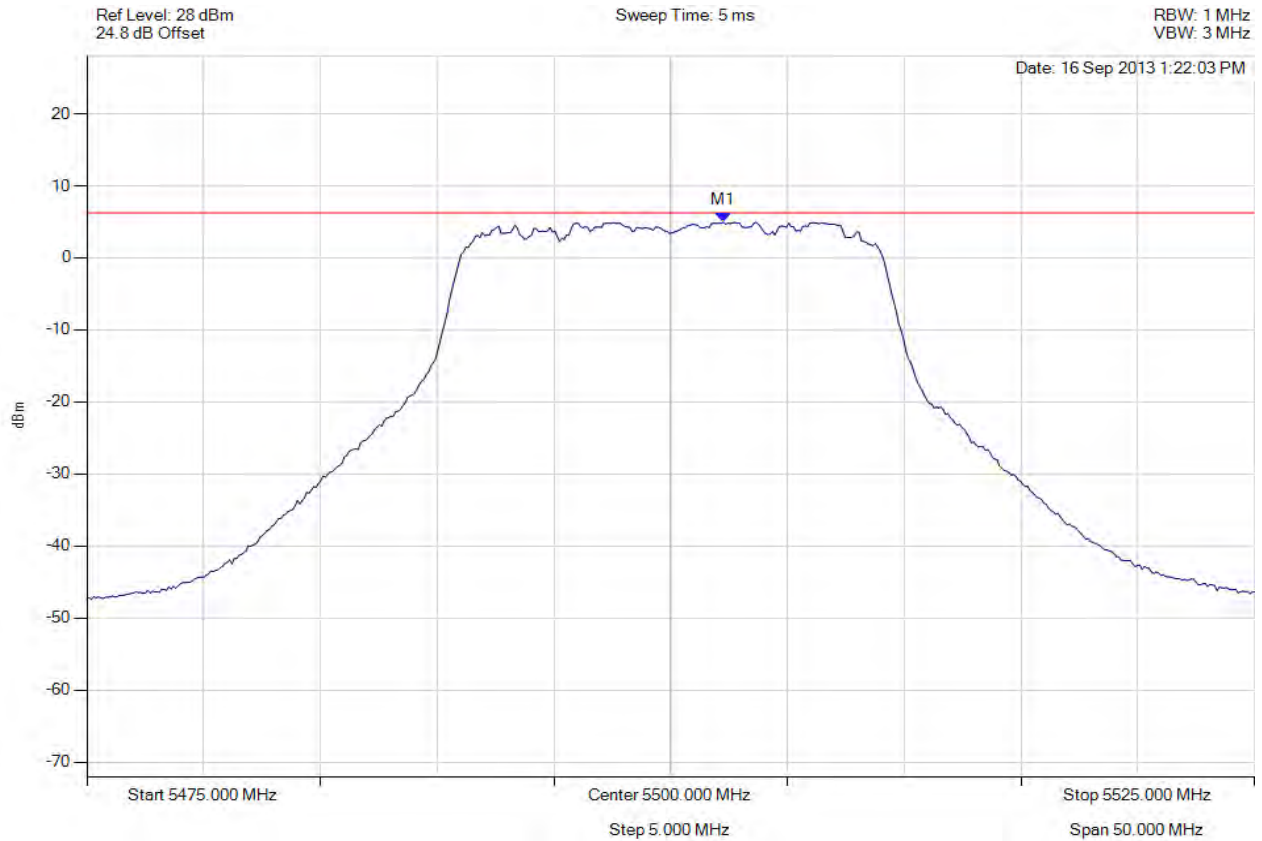


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5502.255 MHz : 4.927 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.50 dB |

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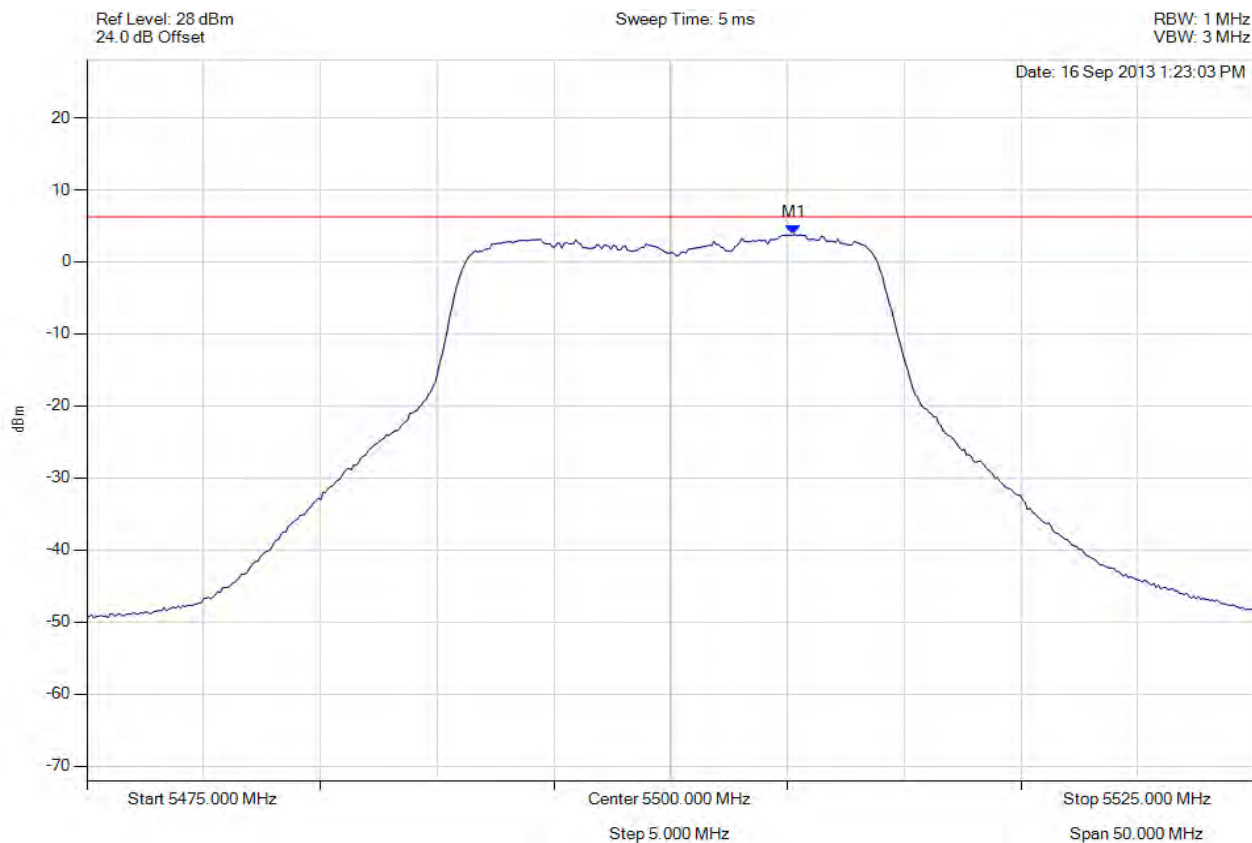


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5505.261 MHz : 3.749 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.68 dB |

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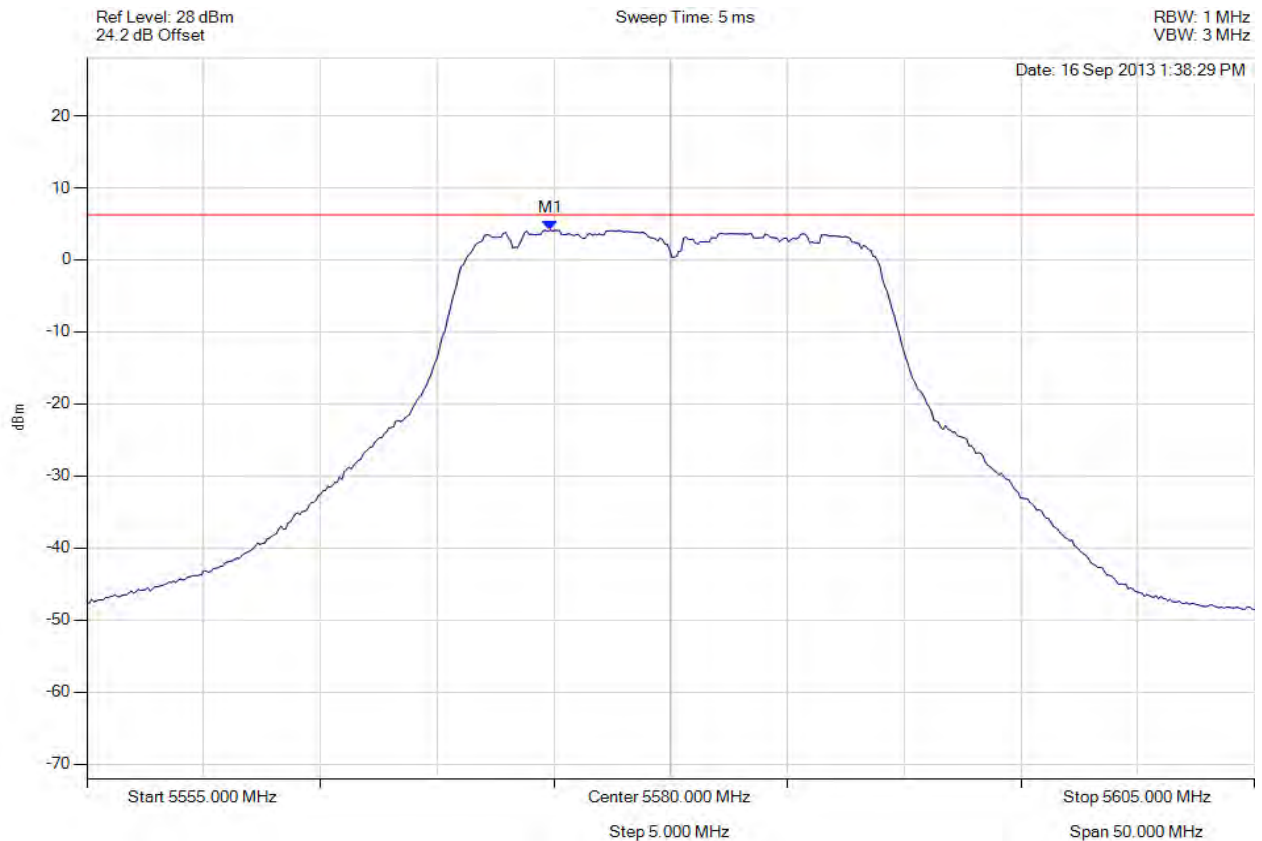


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5574.840 MHz : 4.126 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.30 dB |

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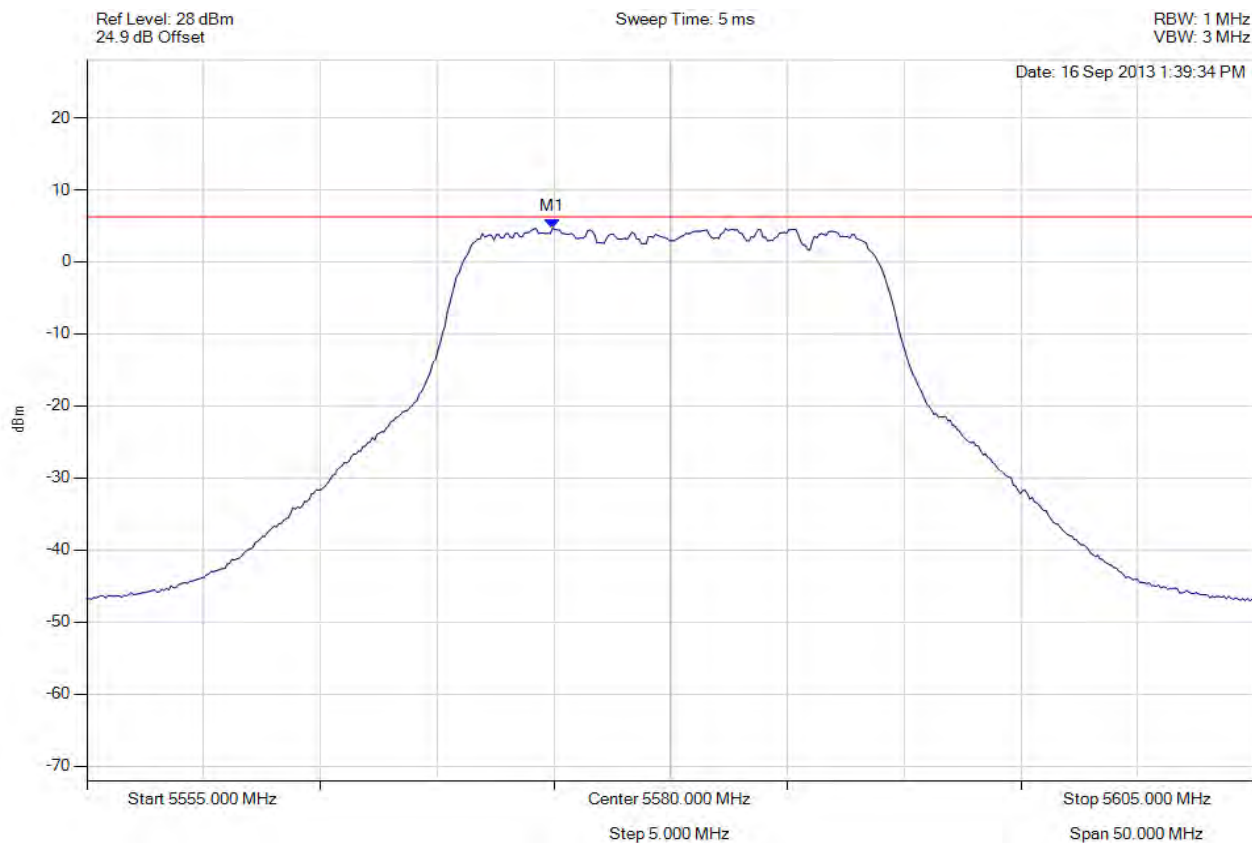


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5574.940 MHz : 4.644 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.21 dB |

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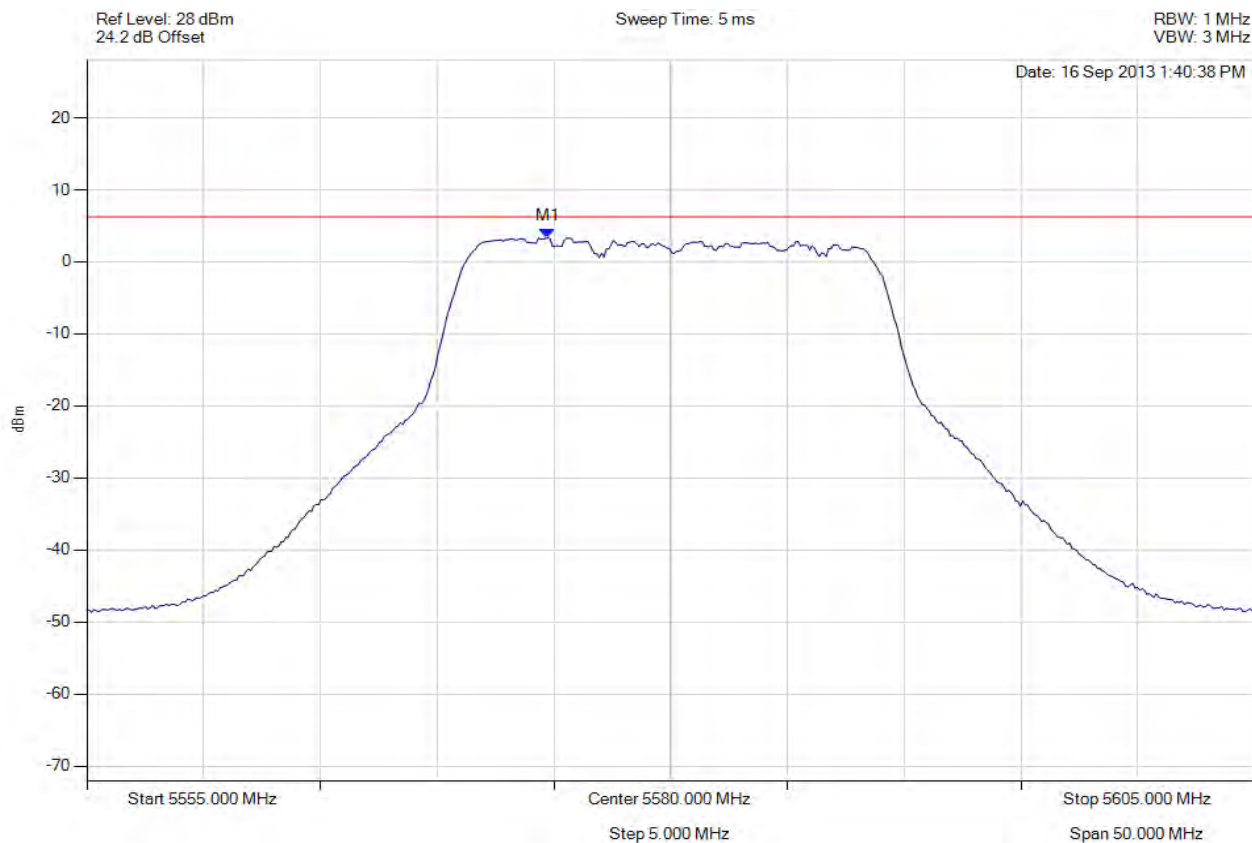


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5574.739 MHz : 3.328 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -1.10 dB |

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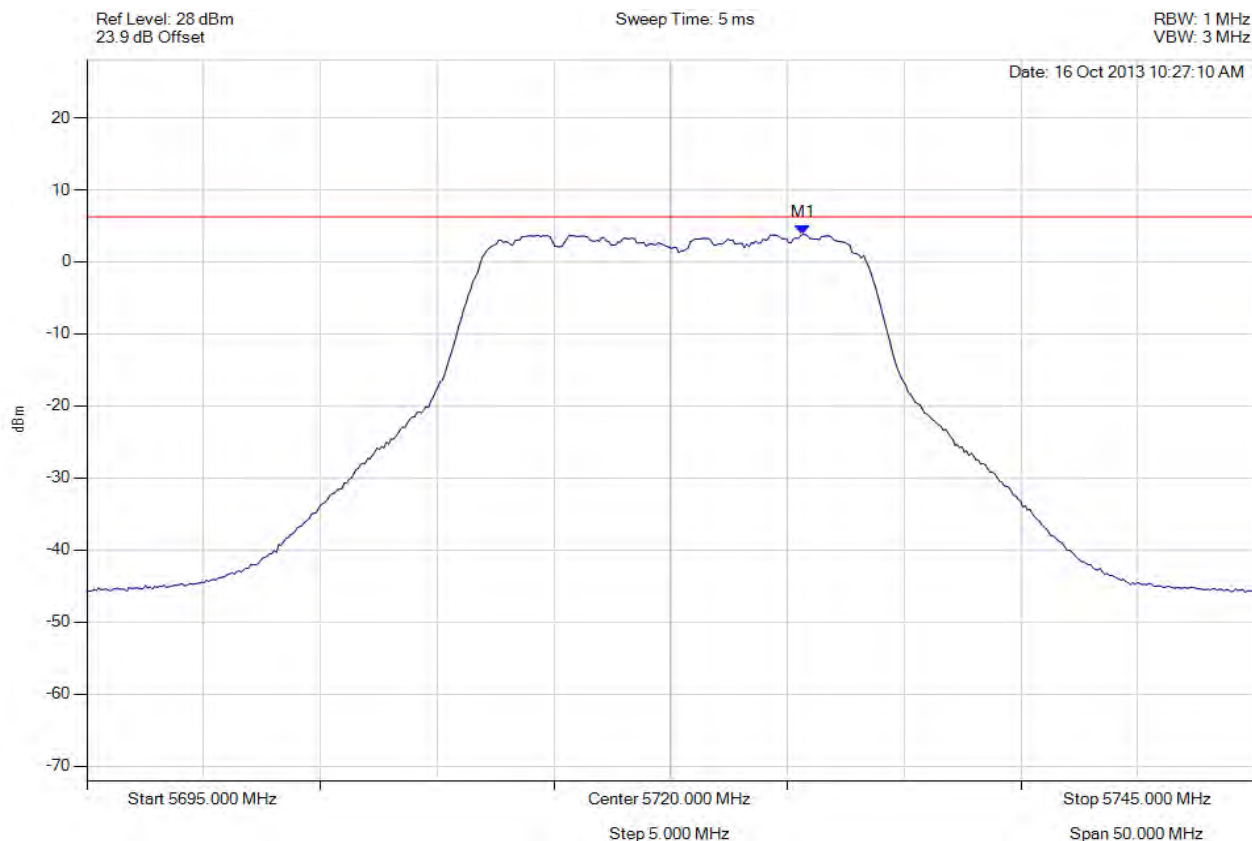


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5725.661 MHz : 3.825 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.60 dB |

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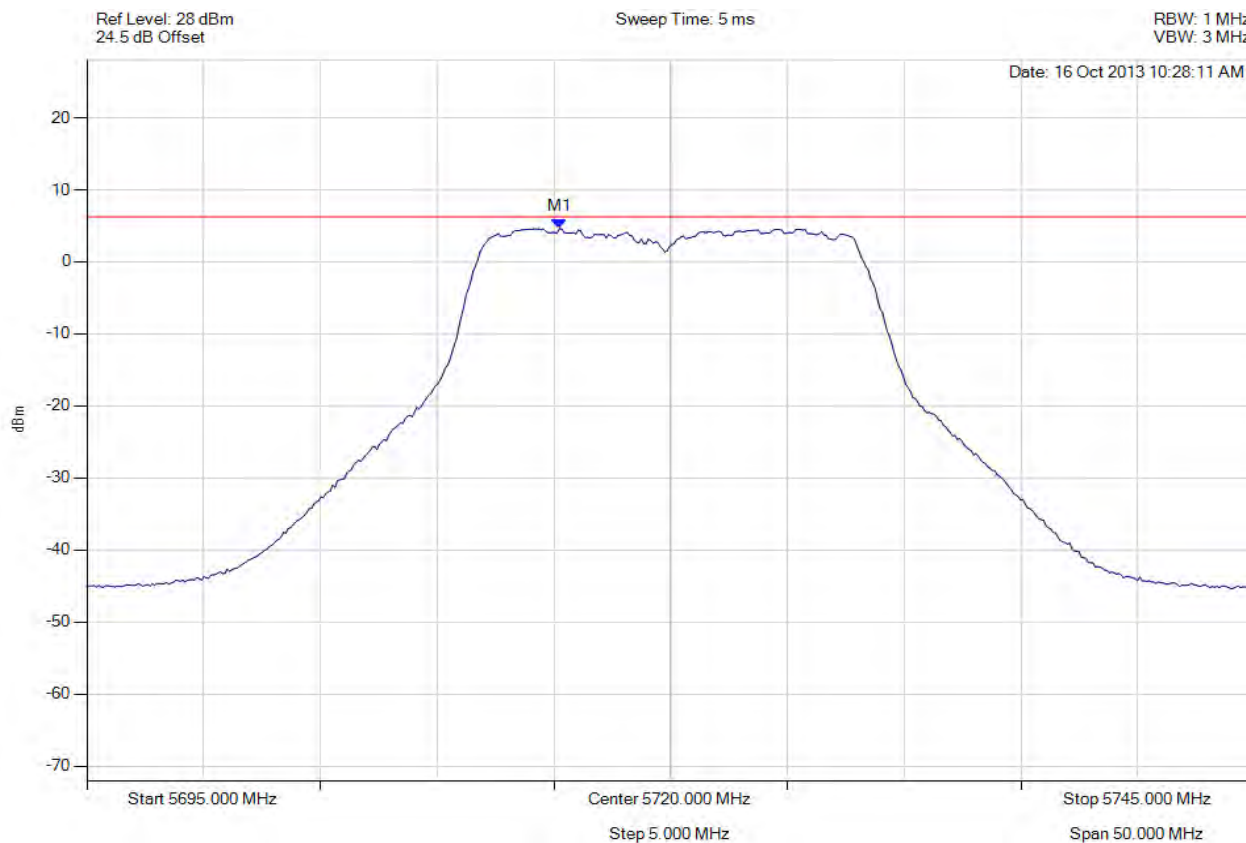


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5715.240 MHz : 4.608 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 0.18 dB |

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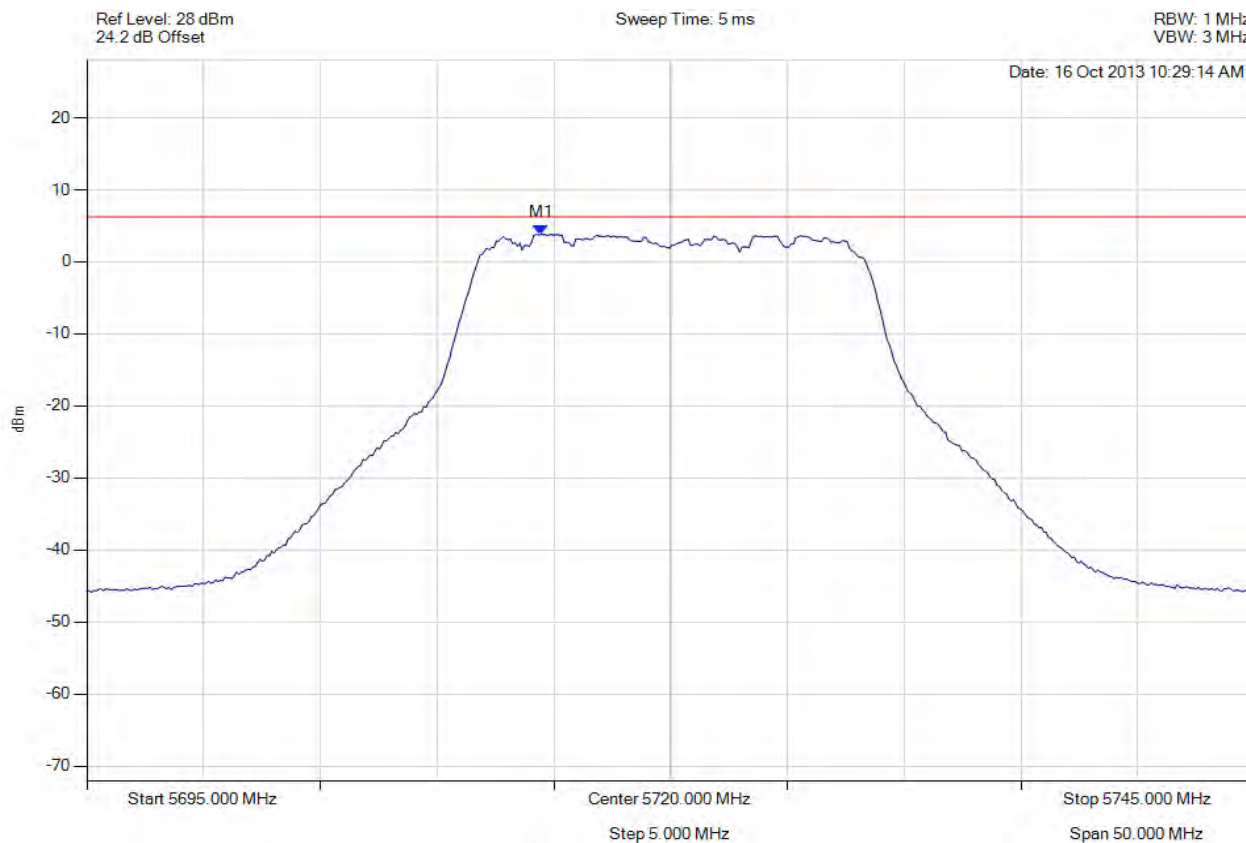


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5714.439 MHz : 3.826 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.60 dB |

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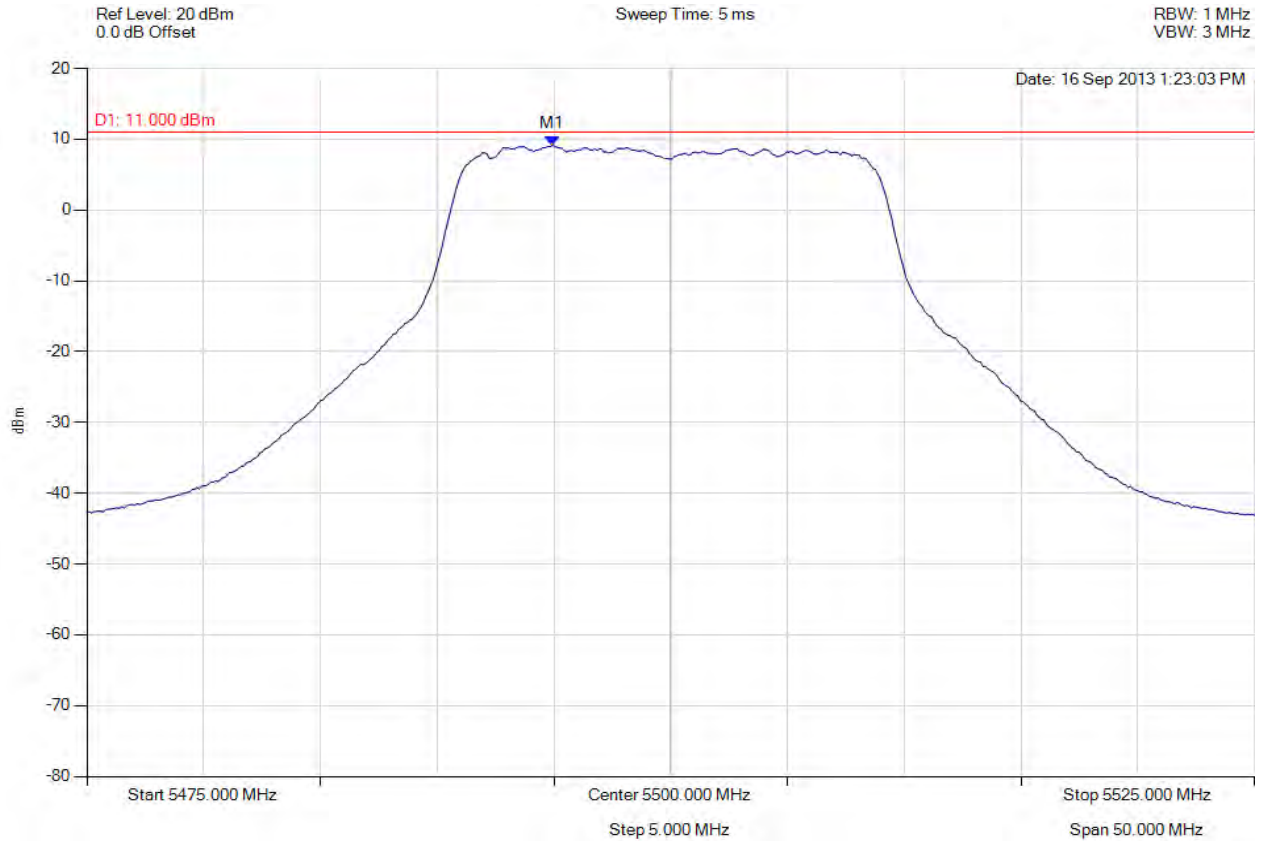


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 30<br>Trace Mode = VIEW | M1 : 5494.940 MHz : 9.150 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: 4.72 dB |

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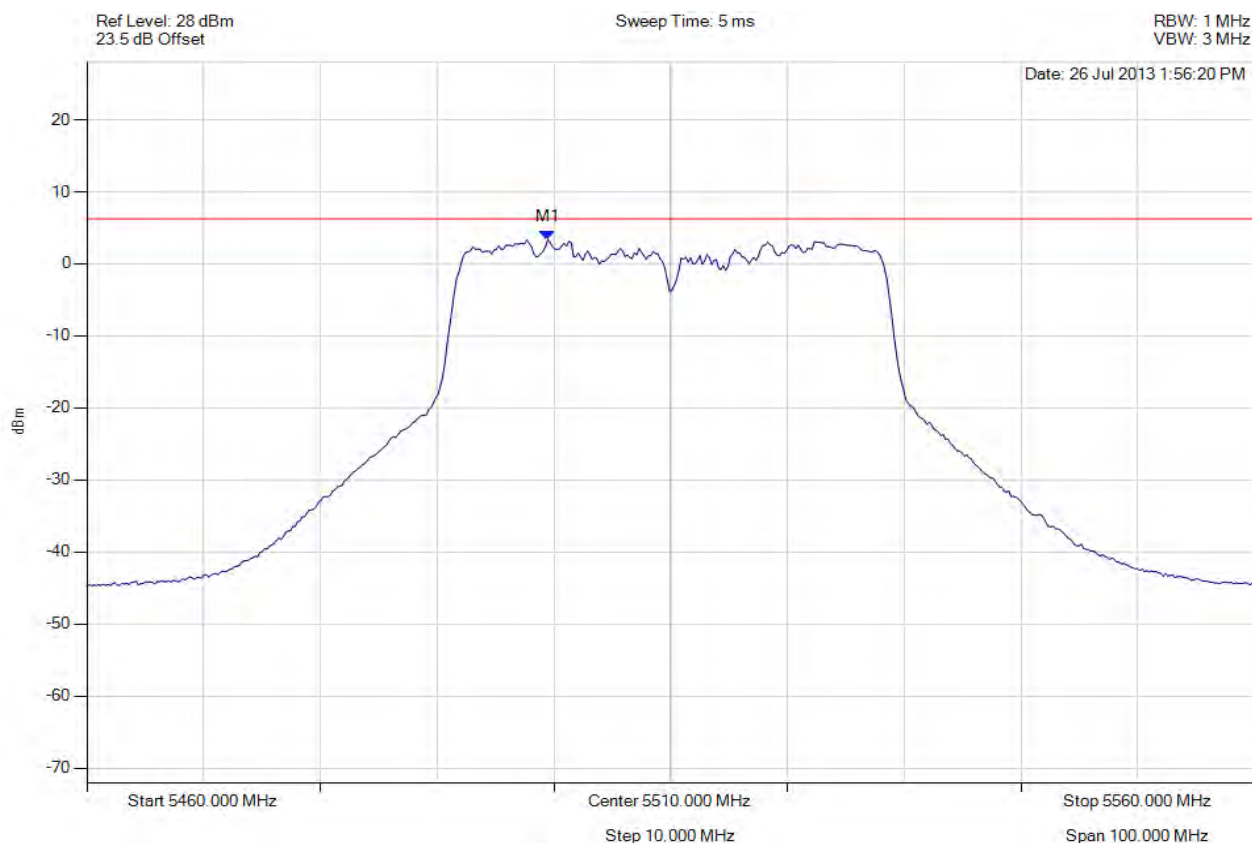


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5499.479 MHz : 3.377 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -1.05 dB |

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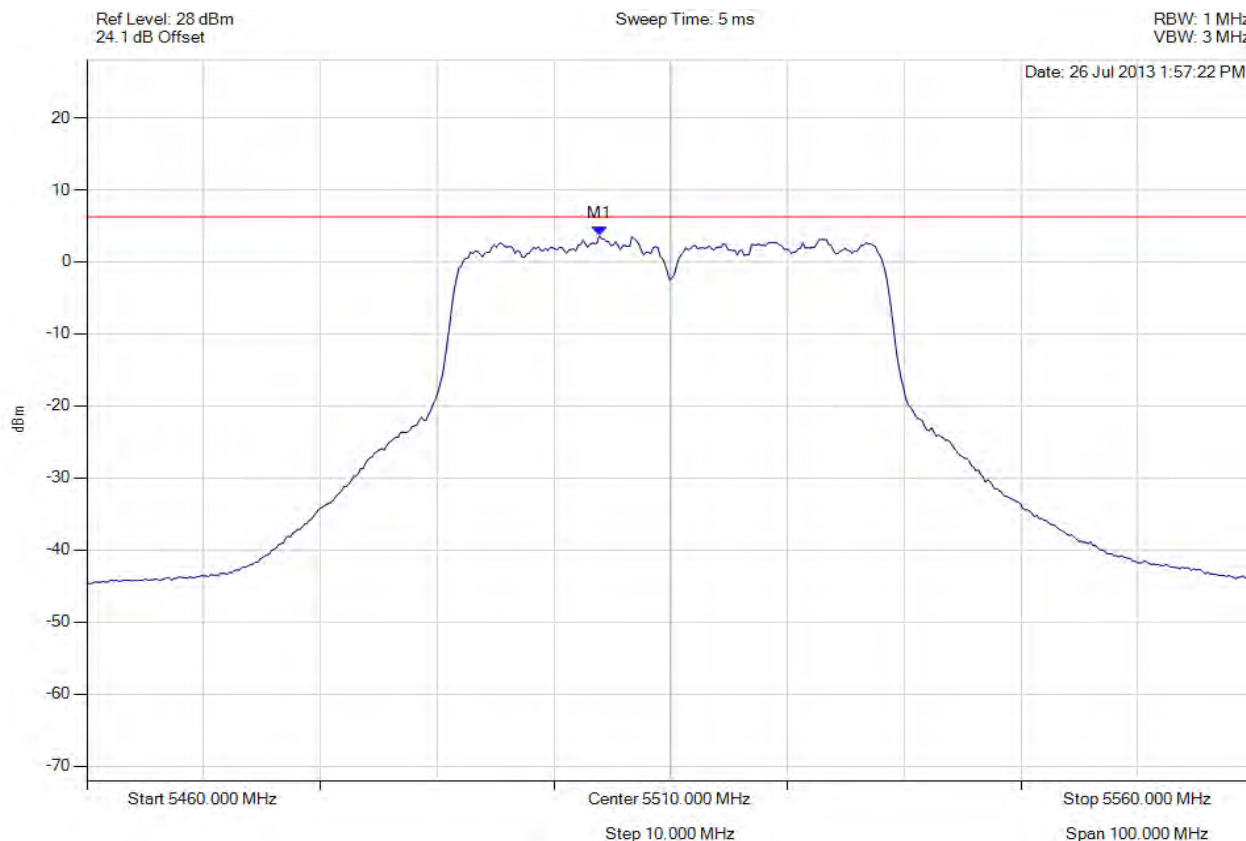


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5503.888 MHz : 3.625 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.80 dB |

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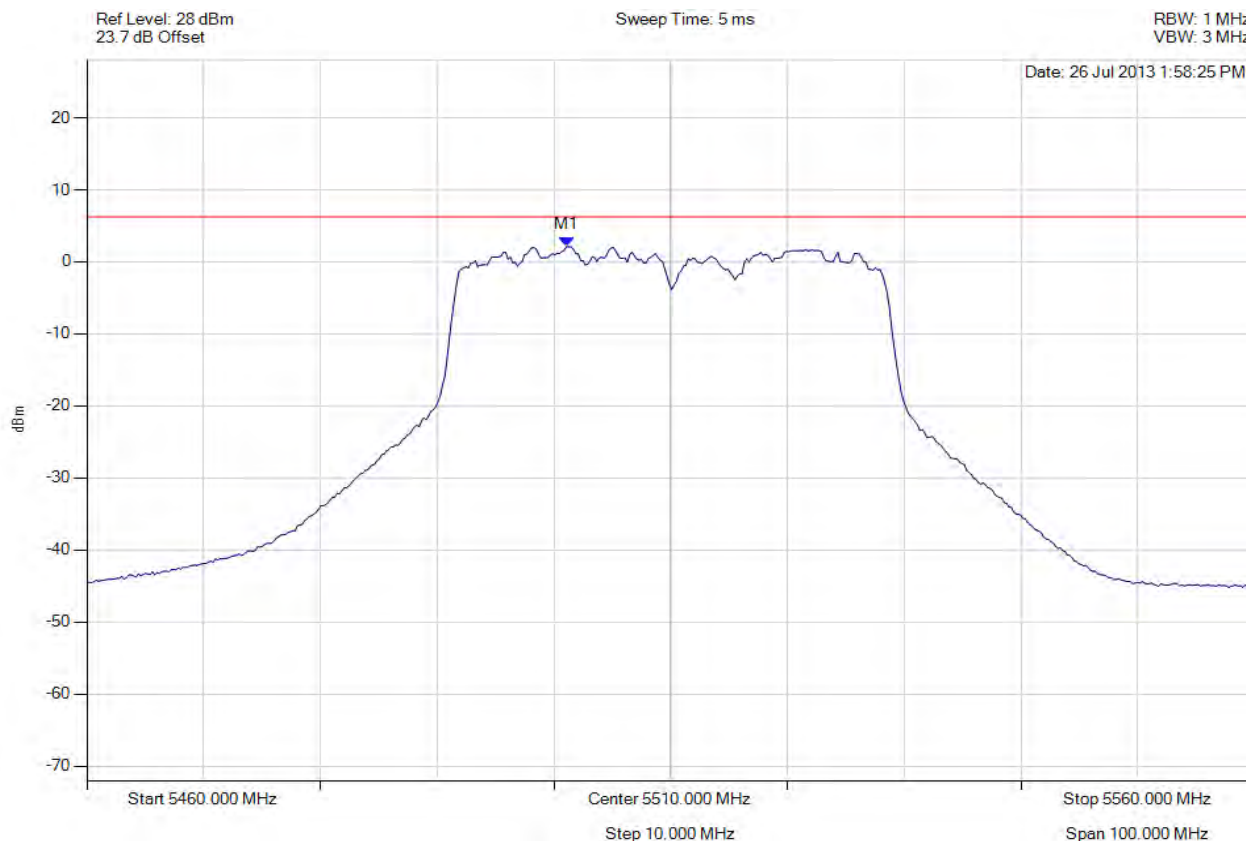


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5501.082 MHz : 2.112 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -2.32 dB |

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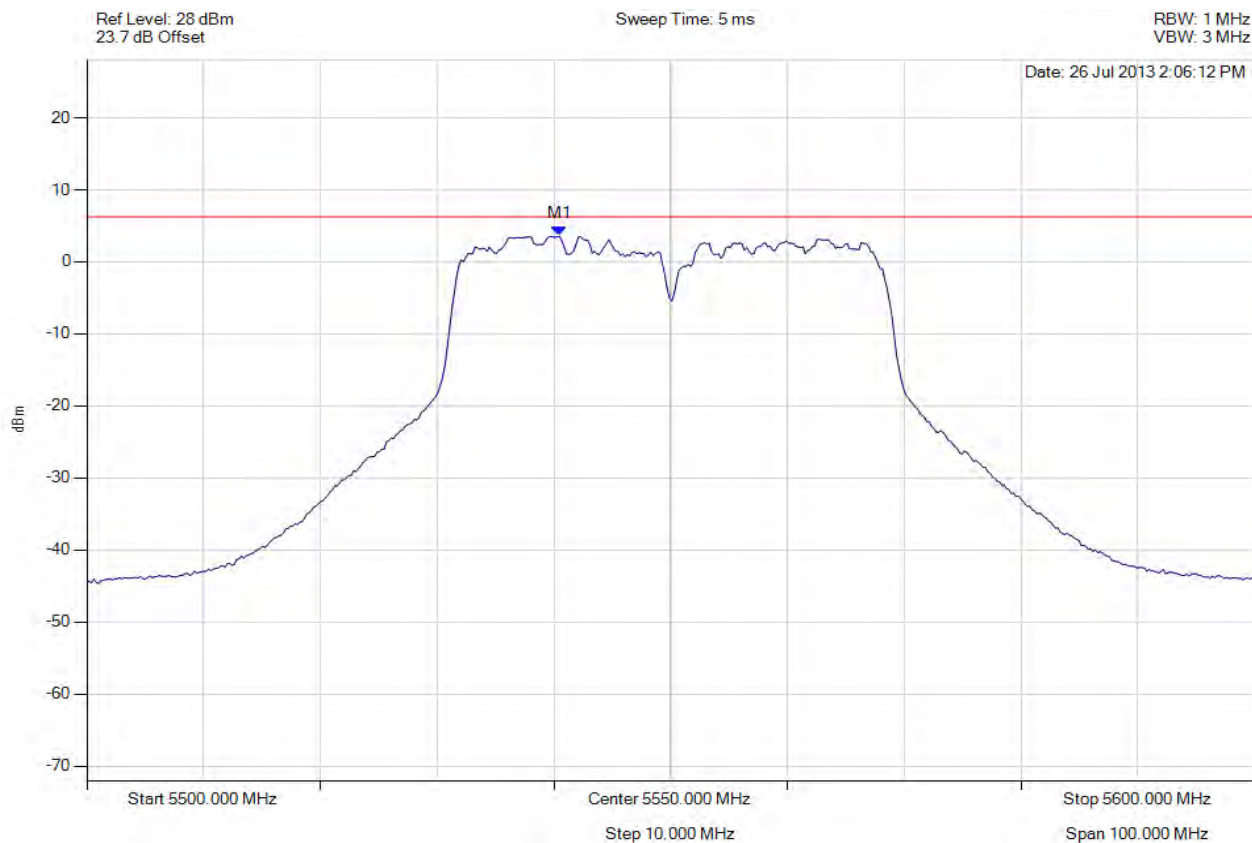


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5540.481 MHz : 3.557 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.87 dB |

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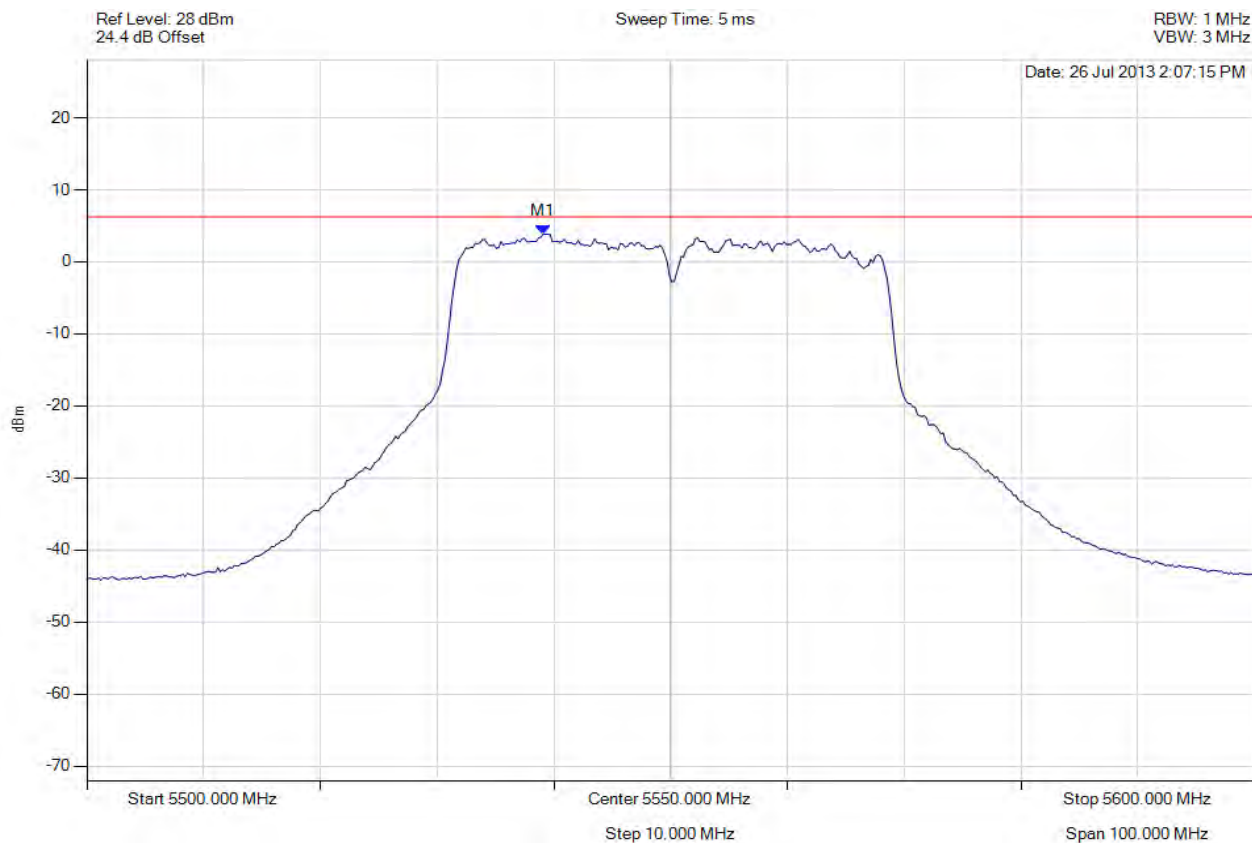


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5539.078 MHz : 3.883 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.55 dB |

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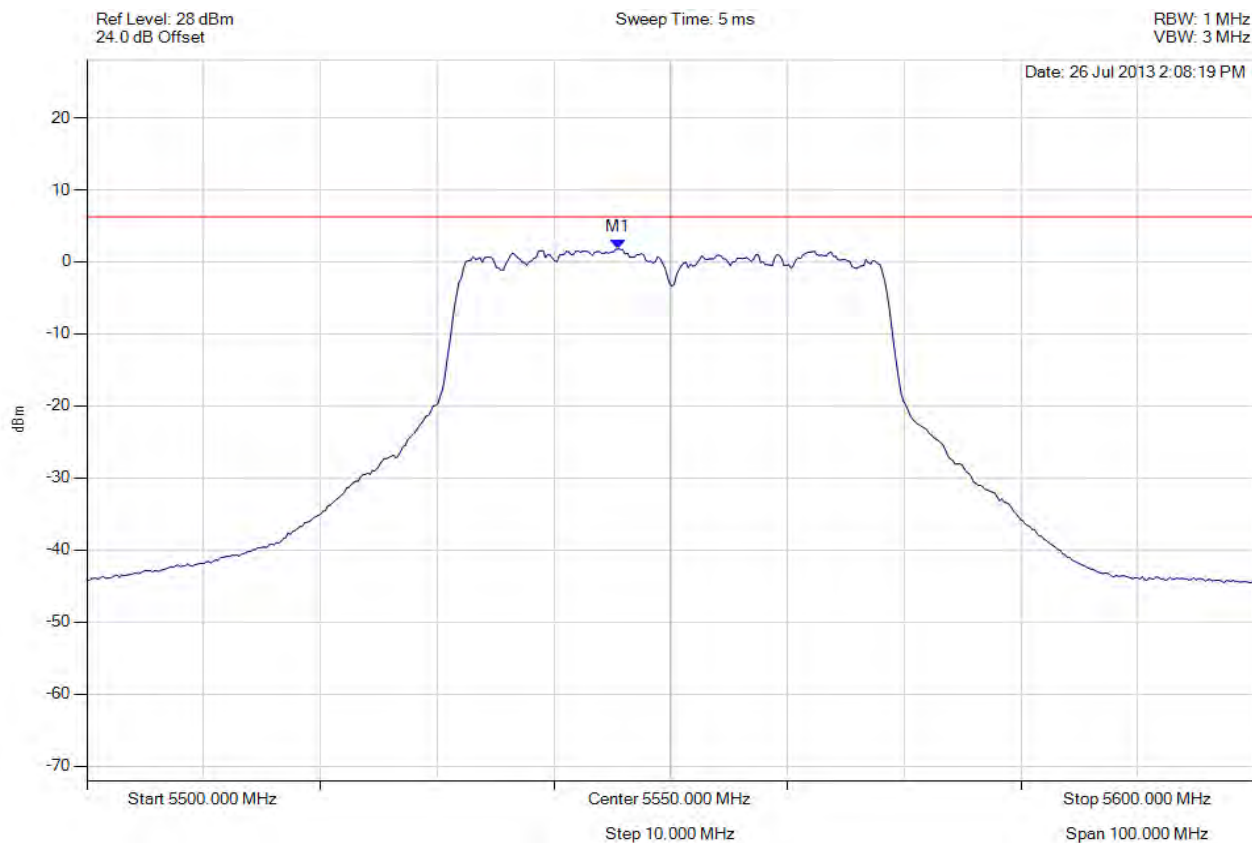


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5545.491 MHz : 1.796 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -2.63 dB |

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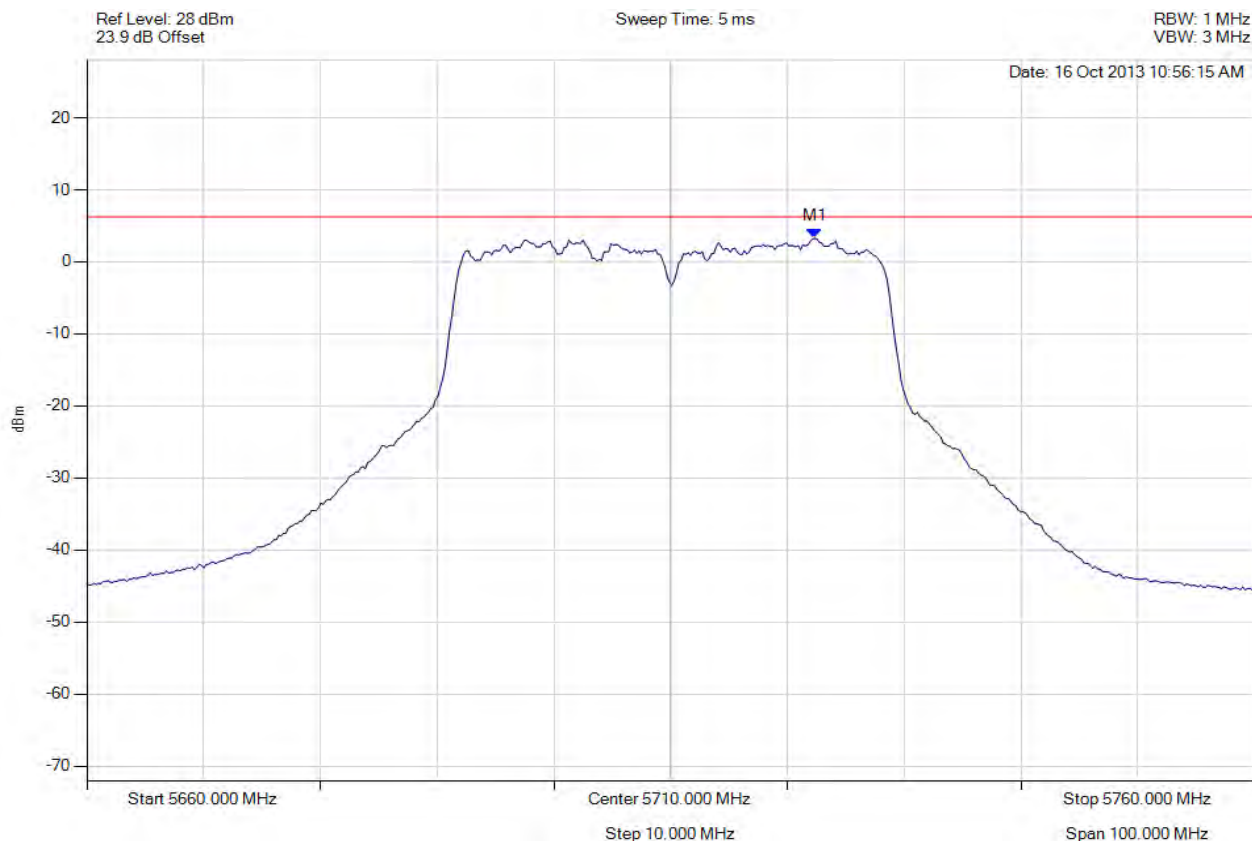


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5722.325 MHz : 3.262 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -1.17 dB |

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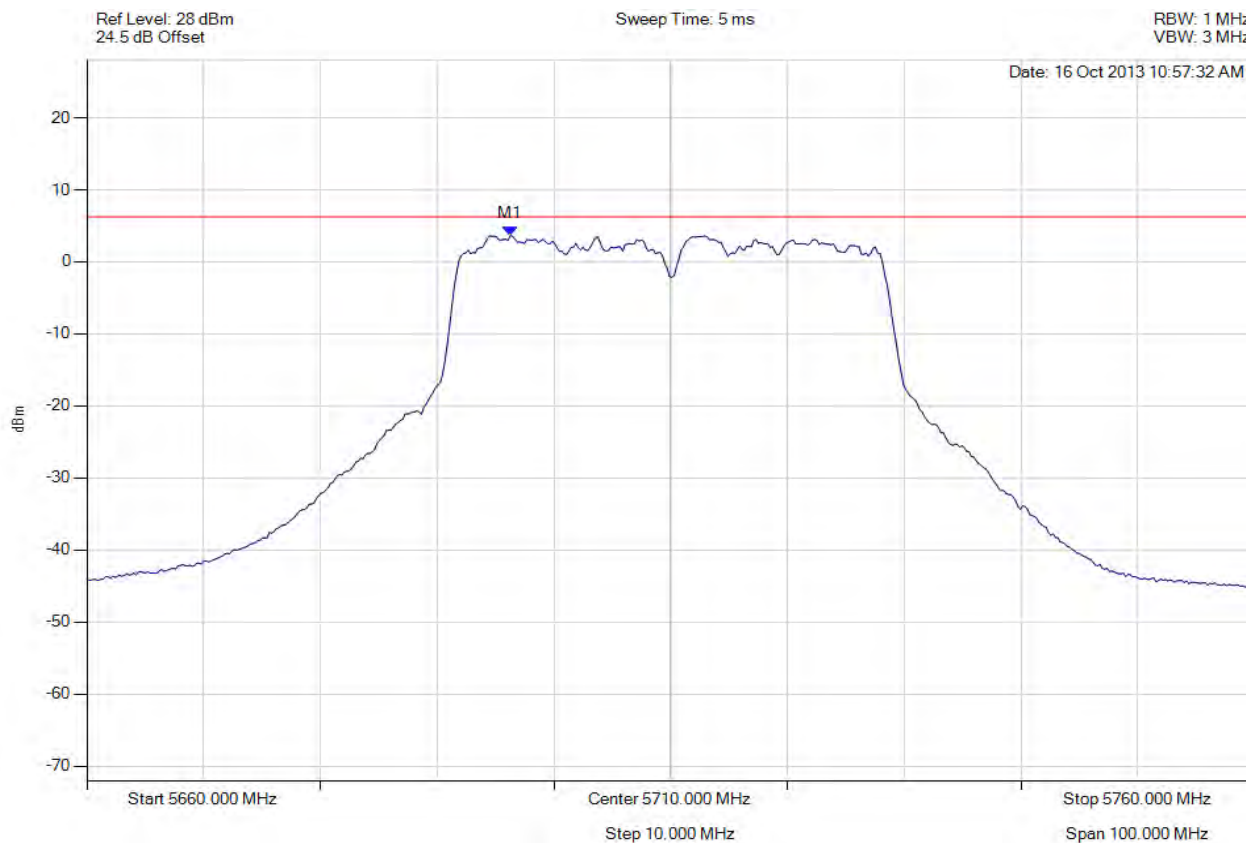


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5696.273 MHz : 3.659 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.77 dB |

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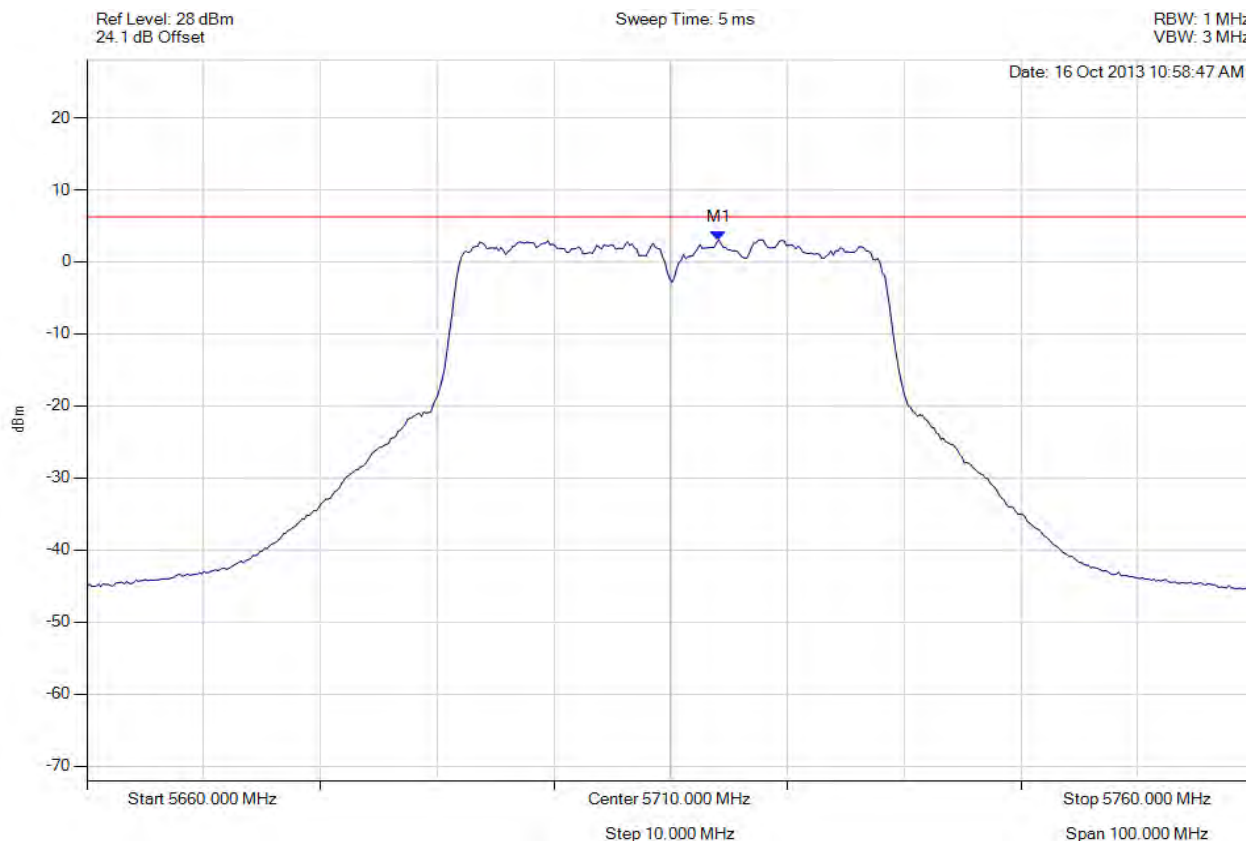


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5714.108 MHz : 3.051 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -1.38 dB |

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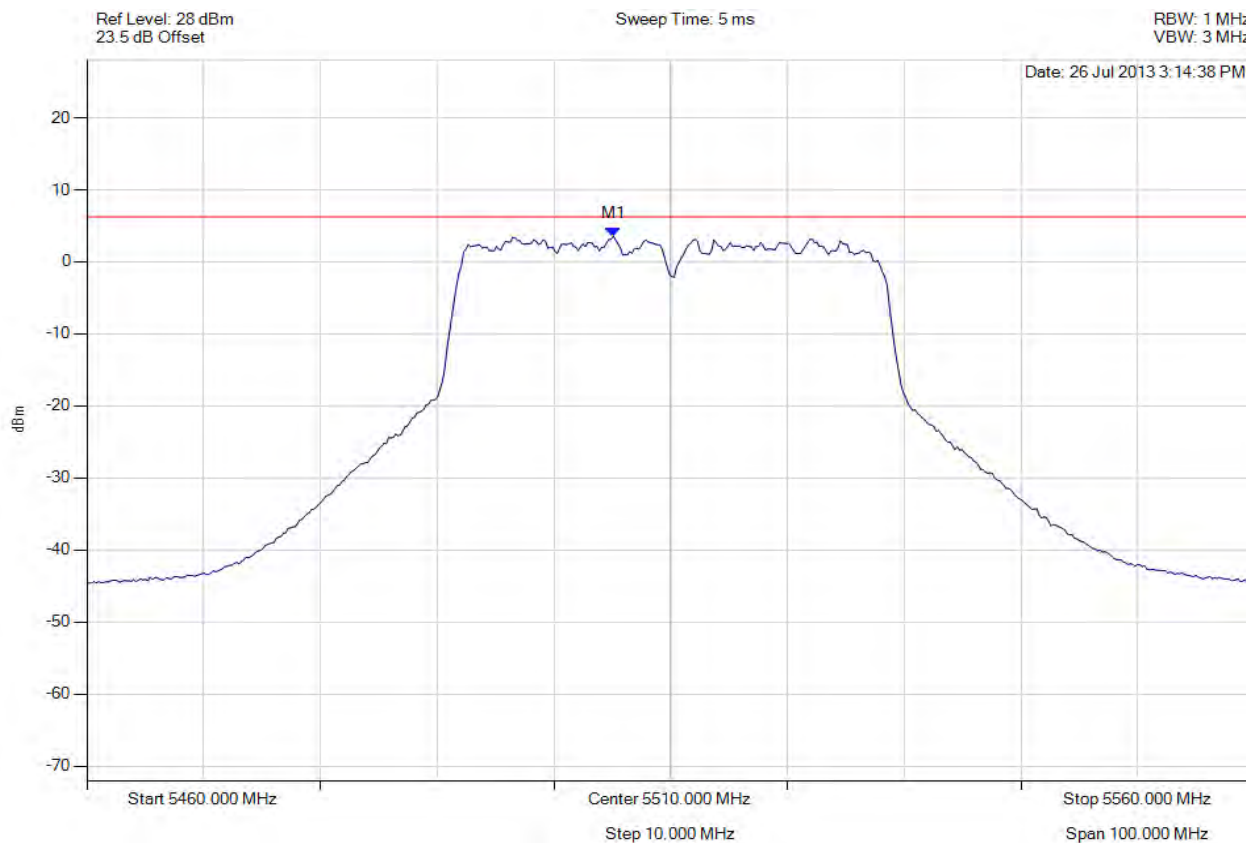


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5505.090 MHz : 3.544 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.89 dB |

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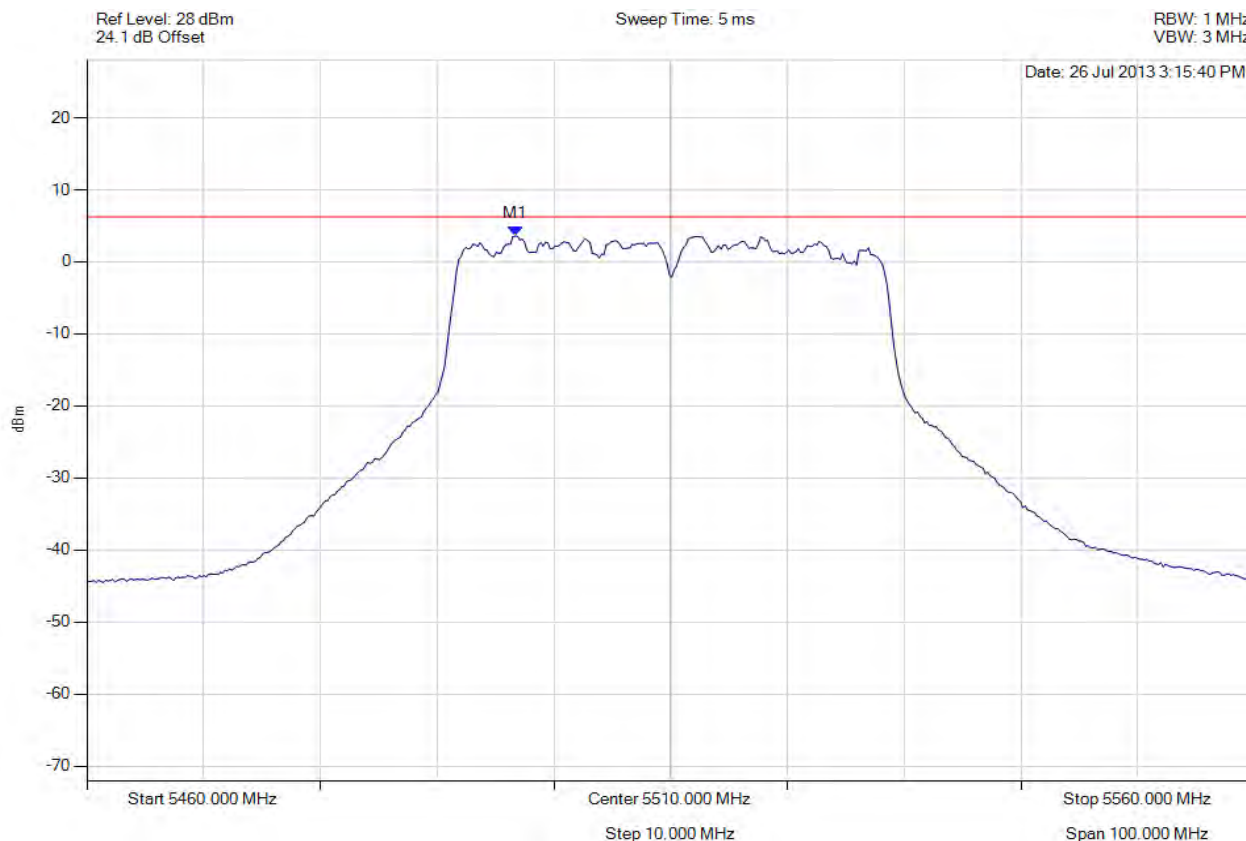


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5496.673 MHz : 3.580 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.85 dB |

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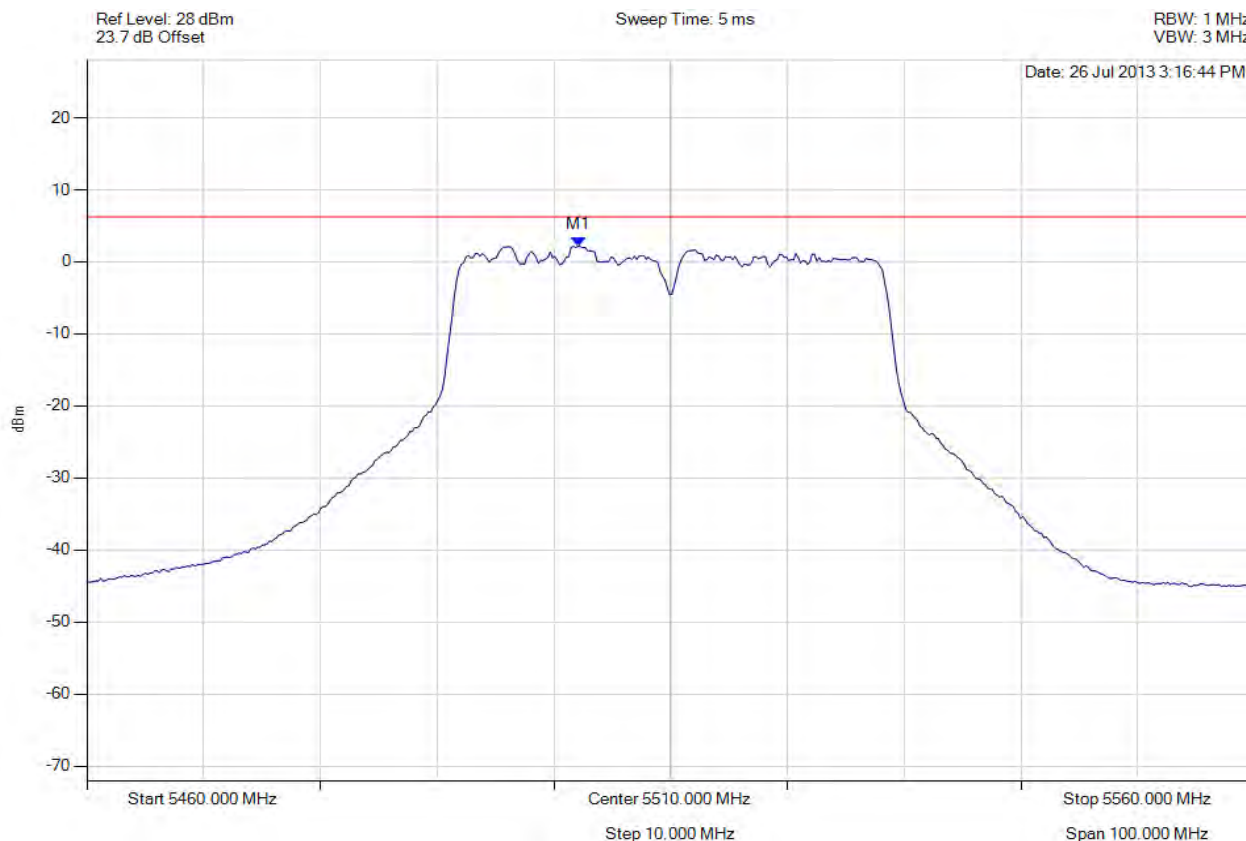


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5502.084 MHz : 2.182 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -2.25 dB |

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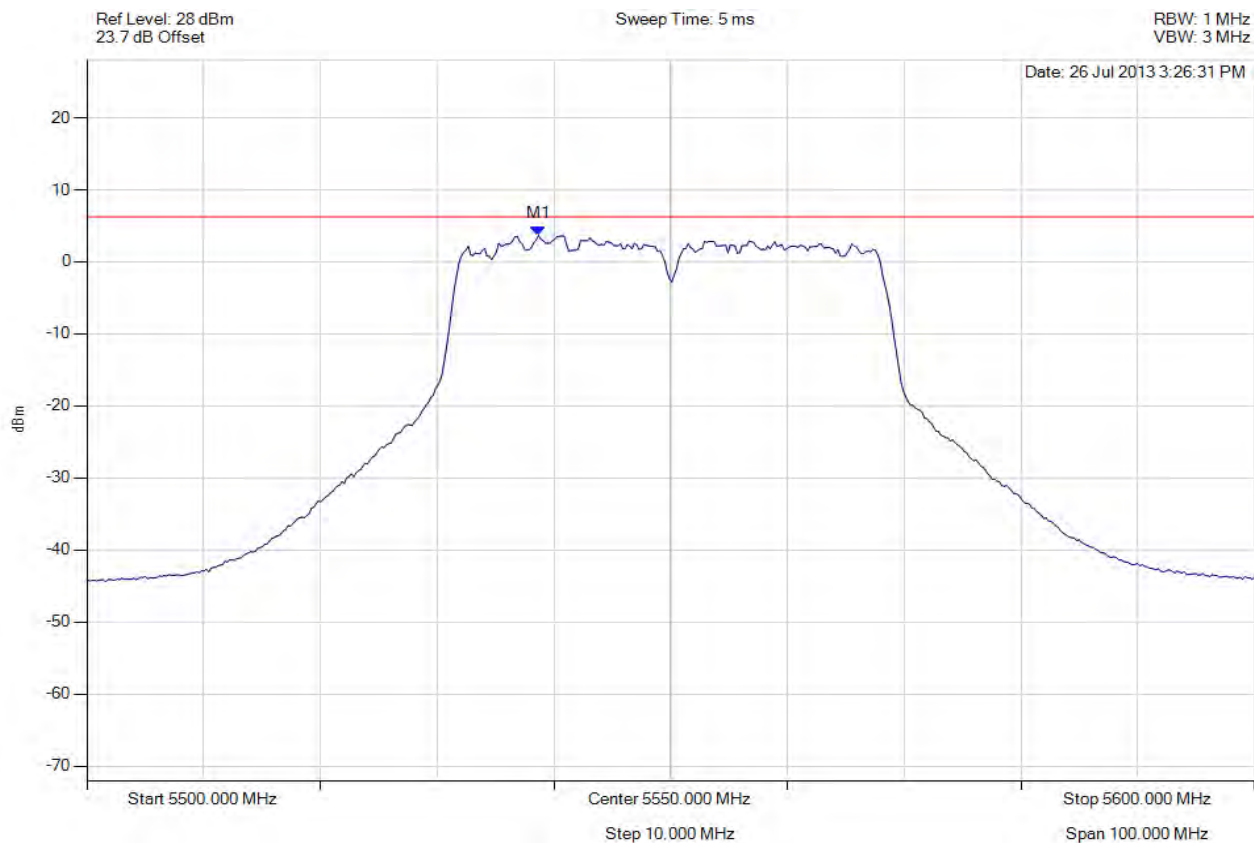


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5538.677 MHz : 3.664 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.77 dB |

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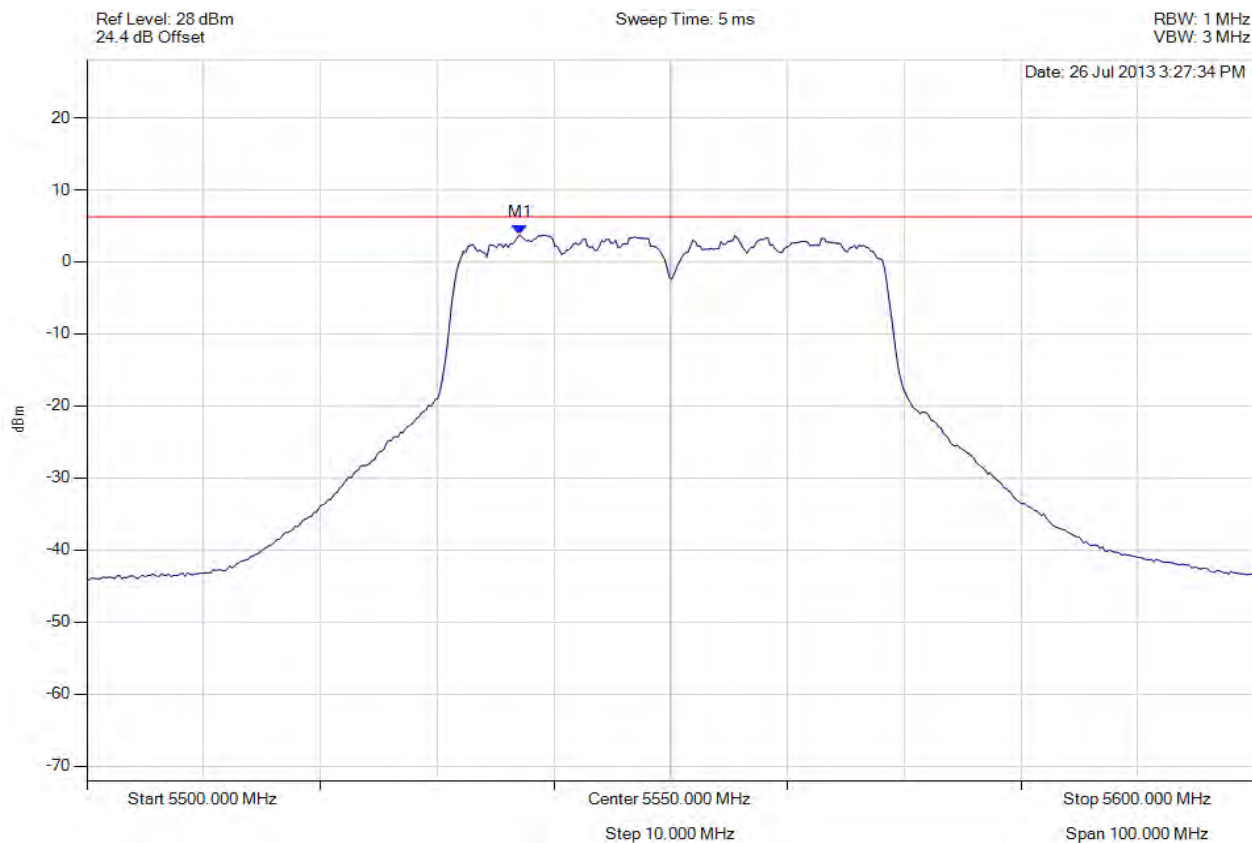


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5537.074 MHz : 3.750 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.68 dB |

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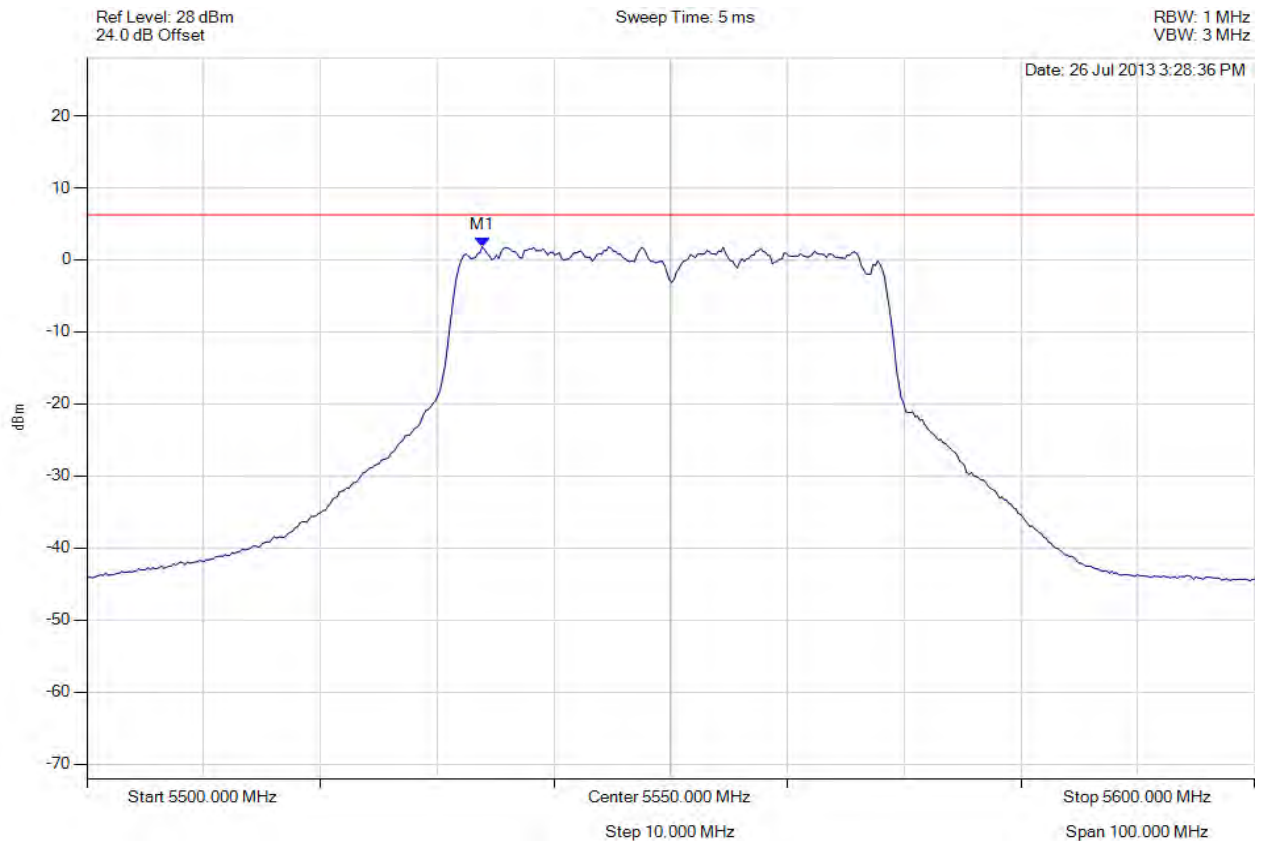


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5533.868 MHz : 1.836 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -2.59 dB |

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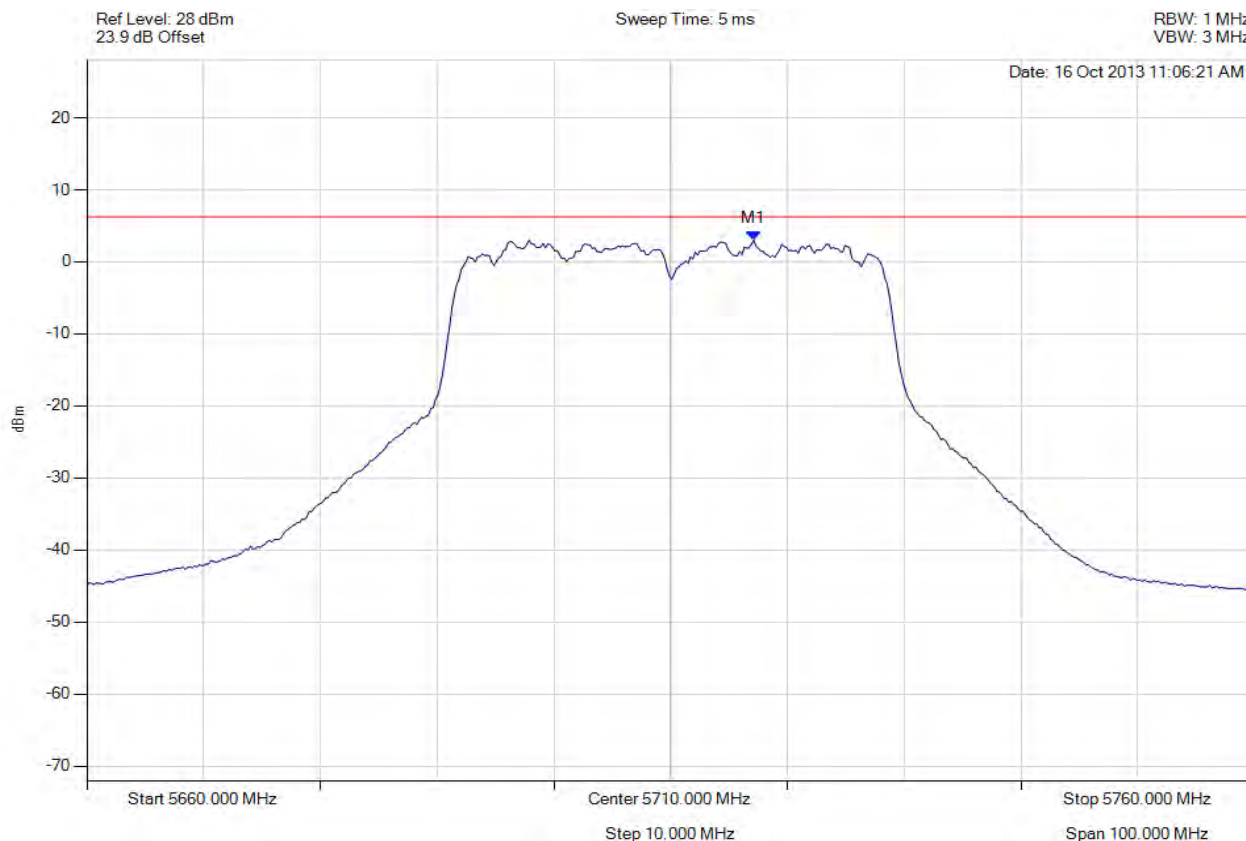


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5717.114 MHz : 2.986 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -1.44 dB |

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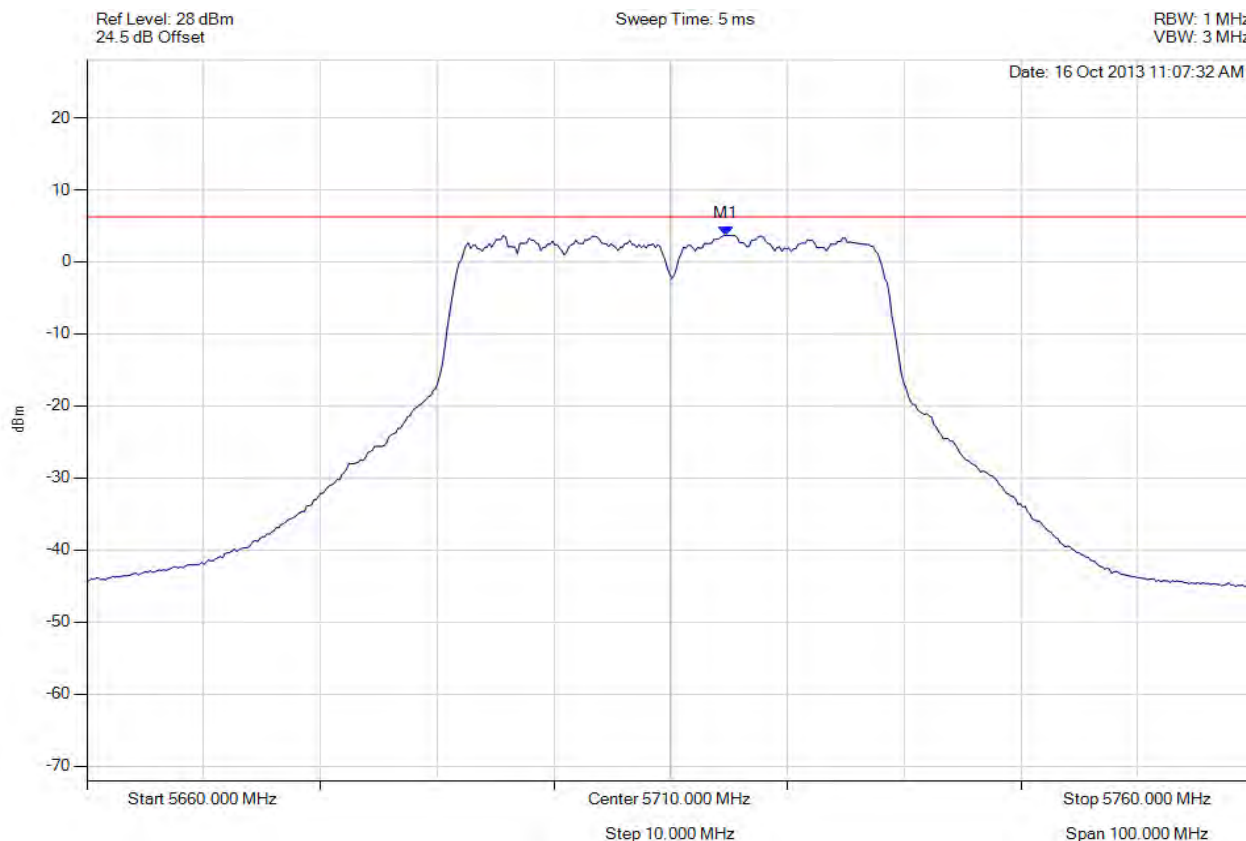


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5714.709 MHz : 3.683 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -0.75 dB |

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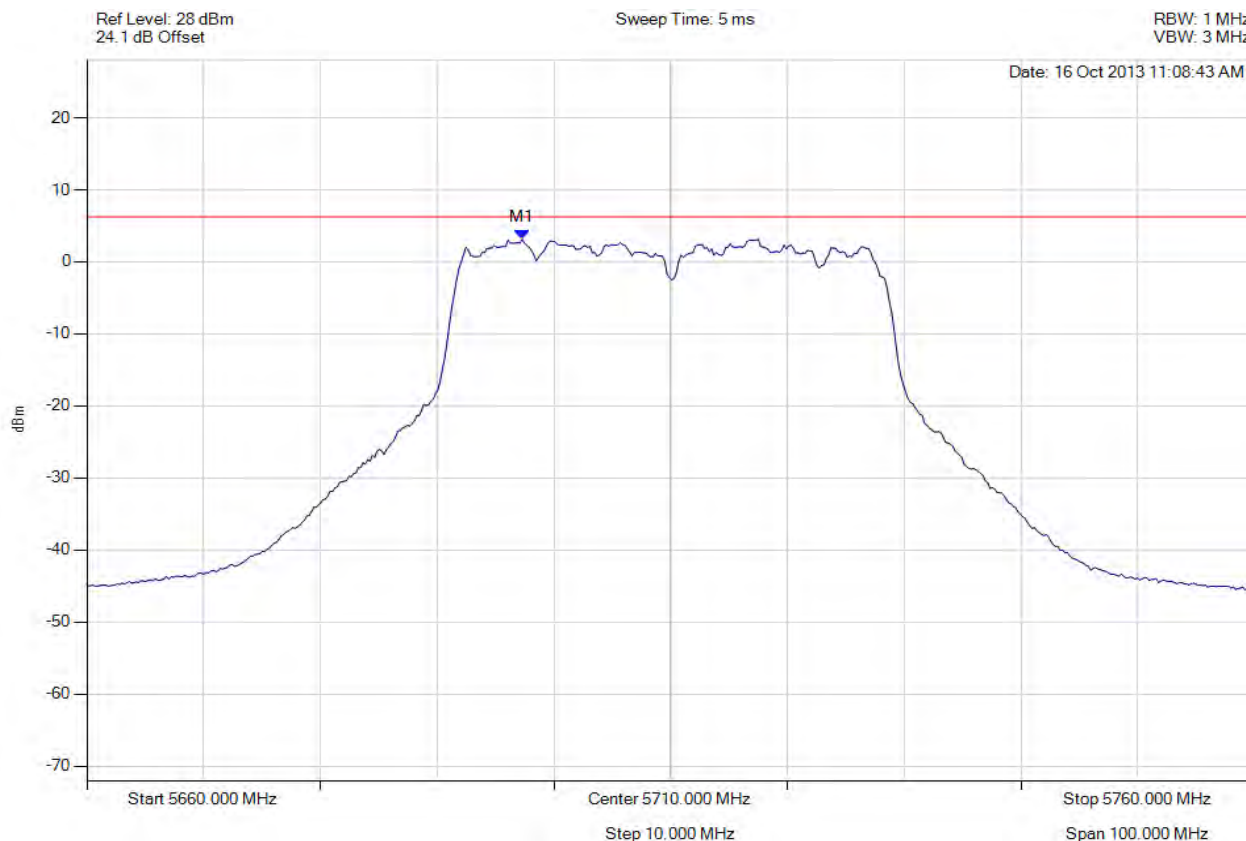


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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5697.275 MHz : 3.113 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -1.32 dB |

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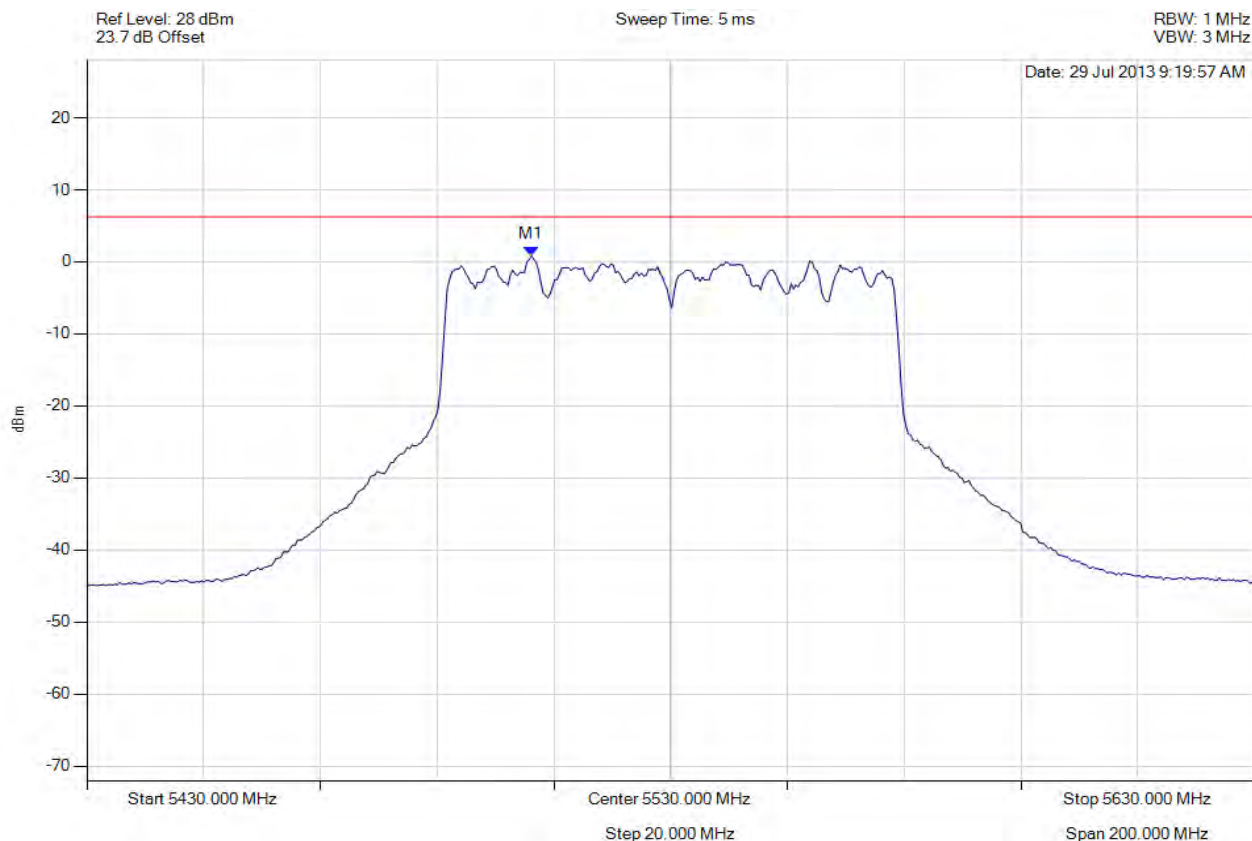


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5506.152 MHz : 0.823 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -3.61 dB |

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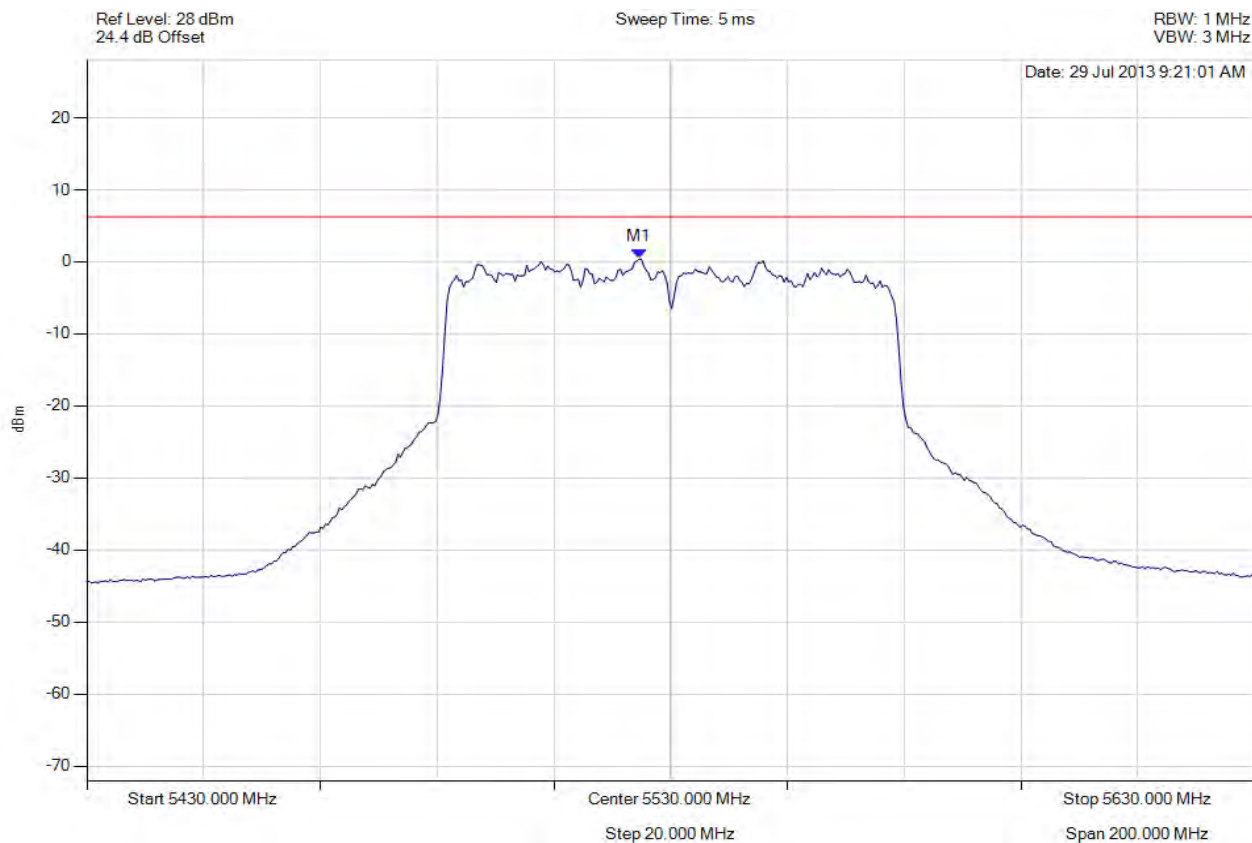


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                                |
|--|--------------------------------|---|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5524.589 MHz : 0.389 dBm  | Limit: $\leq 4.429$ dBm<br>Margin: -4.04 dB |

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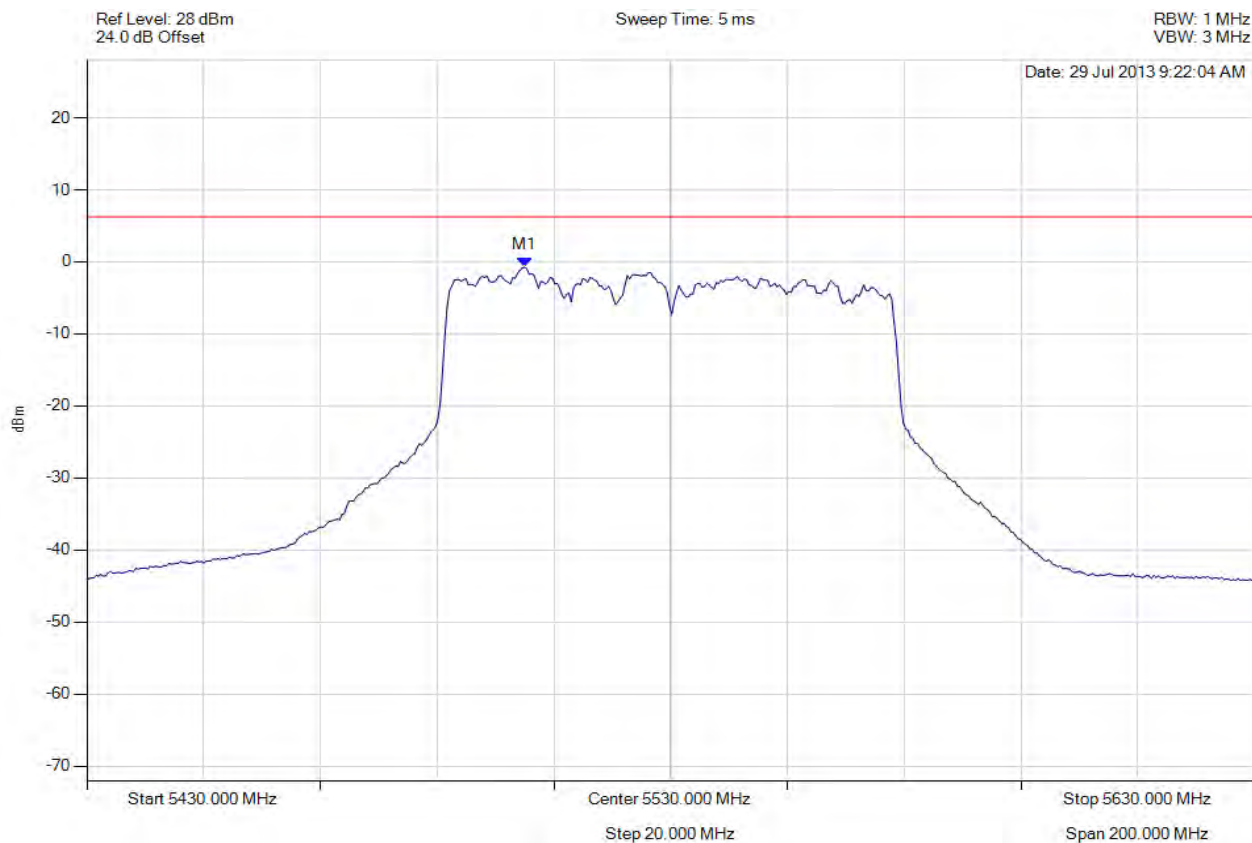


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5504.950 MHz : -0.752 dBm | Limit: $\leq 4.429$ dBm<br>Margin: 5.18 dB |

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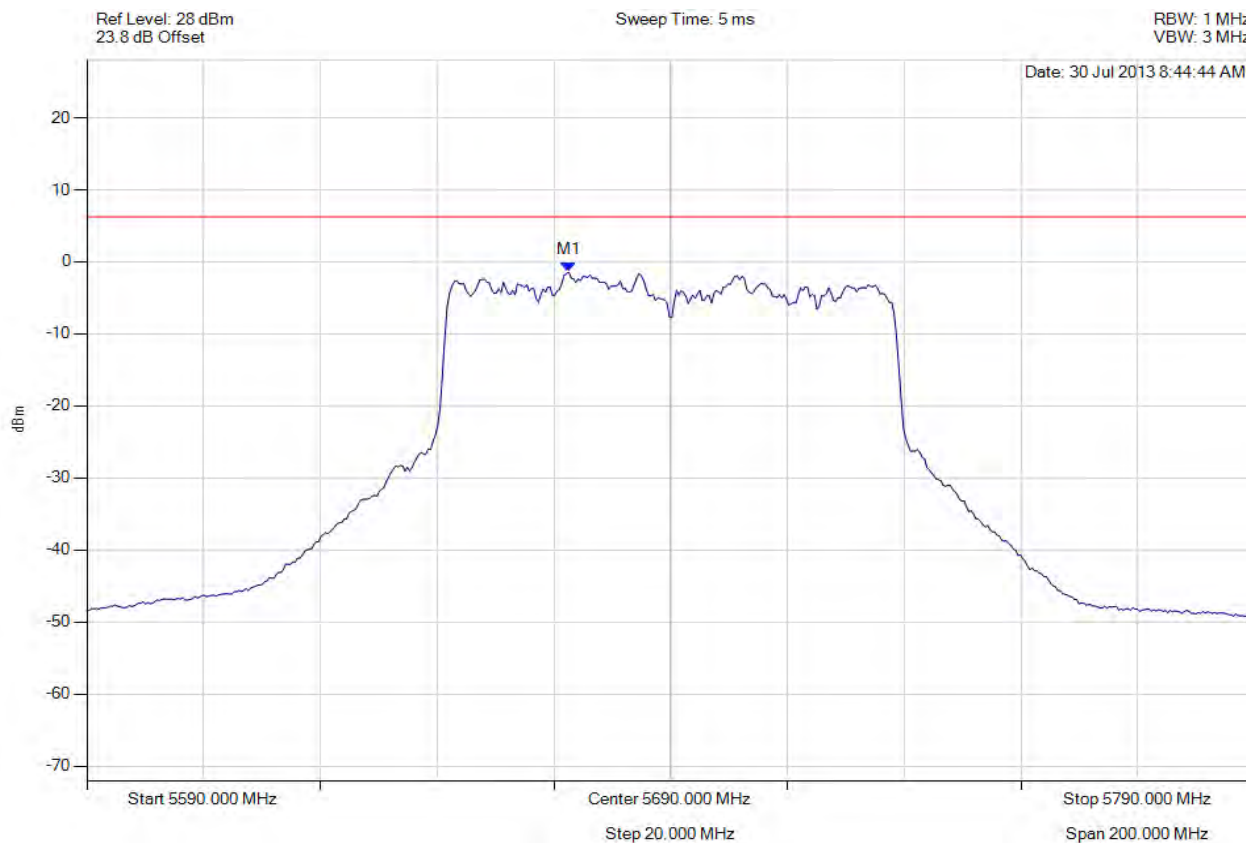


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5672.565 MHz : -1.440 dBm | Limit: $\leq 4.429$ dBm<br>Margin: 5.87 dB |

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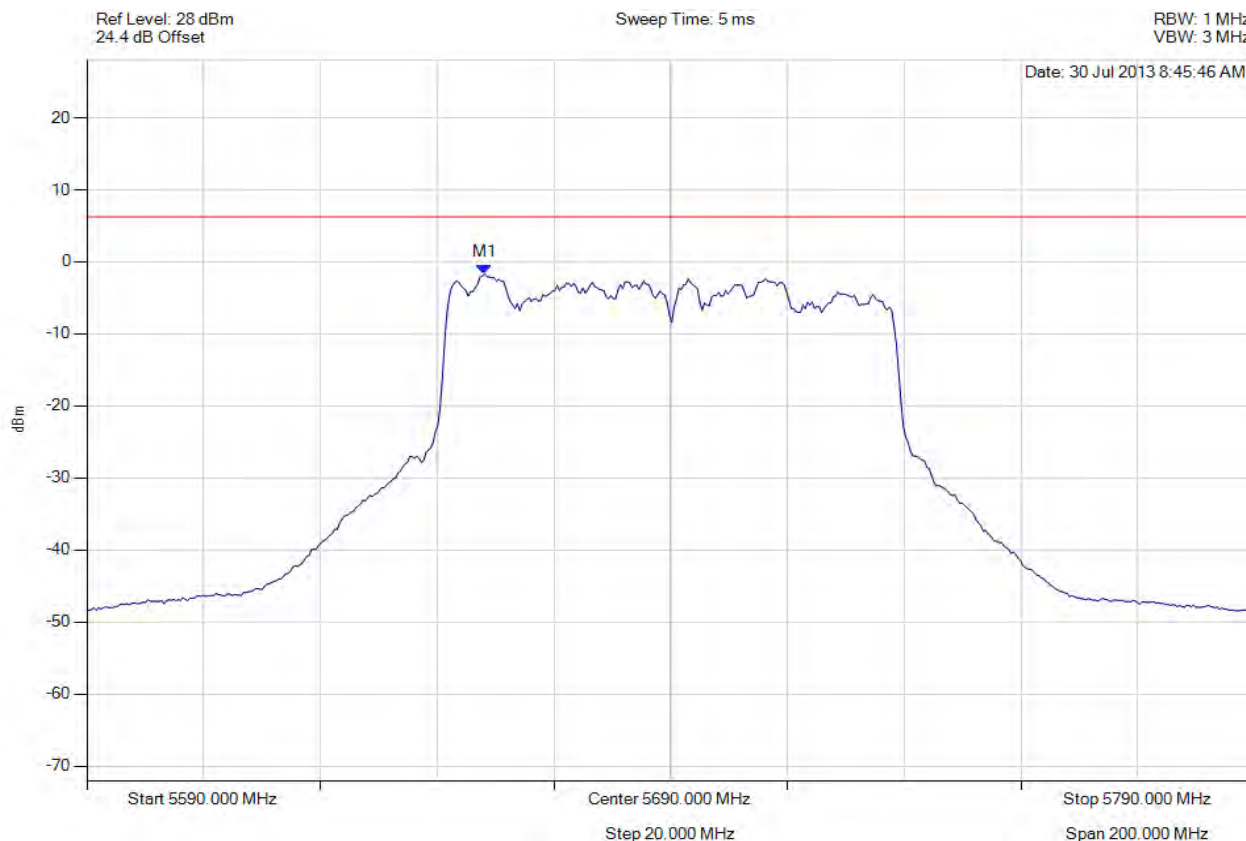


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5658.136 MHz : -1.688 dBm | Limit: $\leq 4.429$ dBm<br>Margin: 6.12 dB |

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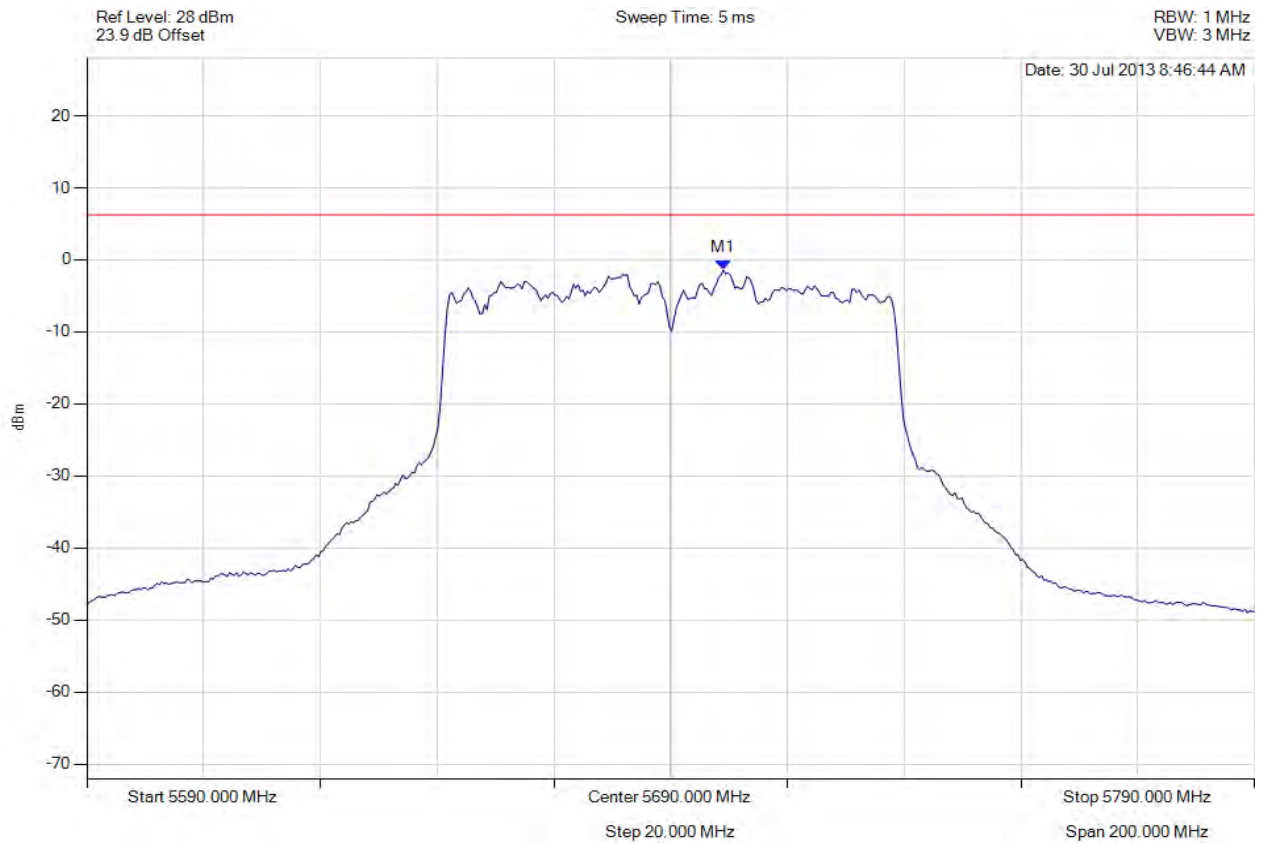


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK POWER SPECTRAL DENSITY

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



| Analyser Setup   | Marker : Frequency : Amplitude | Test Results                               |
|--|--------------------------------|--|
| Detector = RMS<br>Sweep Count = 100<br>RF Atten (dB) = 20<br>Trace Mode = VIEW | M1 : 5699.018 MHz : -1.408 dBm | Limit: $\leq 4.429$ dBm<br>Margin: 5.84 dB |

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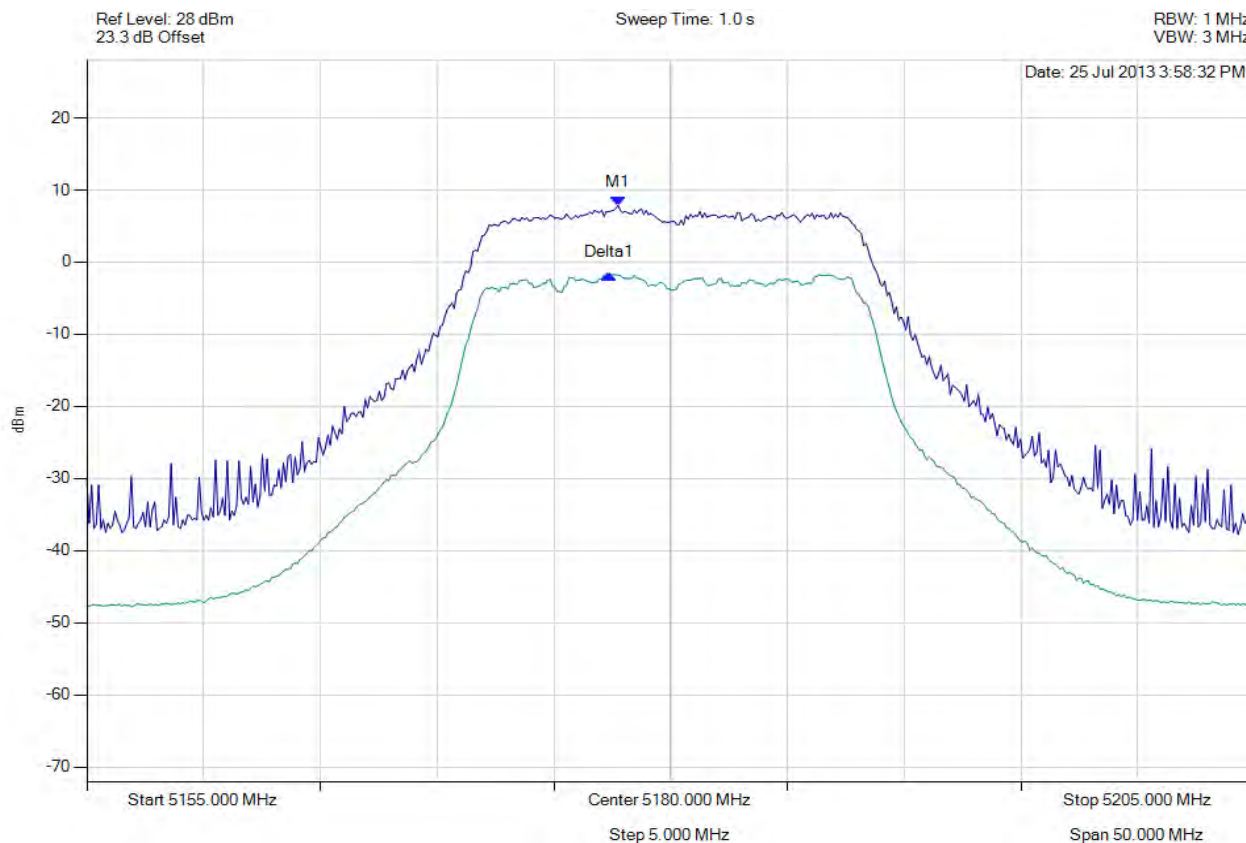


### A.1.3. Peak Excursion Ratio



#### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                   | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5177.745 MHz : 7.880 dBm<br>Delta1 : -400802 Hz : -9.584 dB | Measured Excursion Ratio: 9.58 dB<br>Limit: 13.0 dB<br>Margin: -3.42 dB |

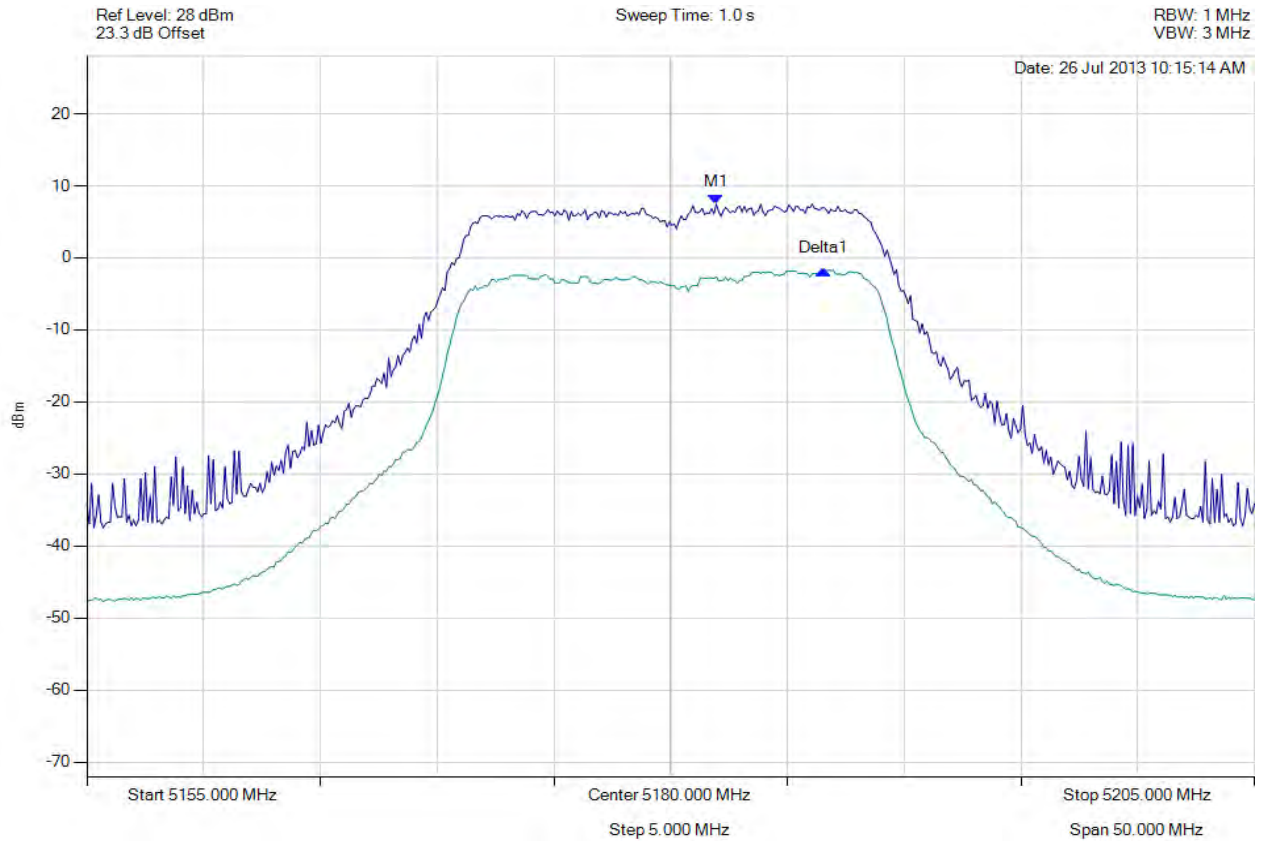
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**PEAK EXCURSION RATIO**

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



| Analyser Setup   | Marker : Frequency : Amplitude                                  | Test Results  |
|--|---|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5181.954 MHz : 7.442 dBm<br>Delta1 : 4.609 MHz : -9.085 dB | Measured Excursion Ratio: 9.09 dB<br>Limit: 13.0 dB<br>Margin: -3.91 dB |

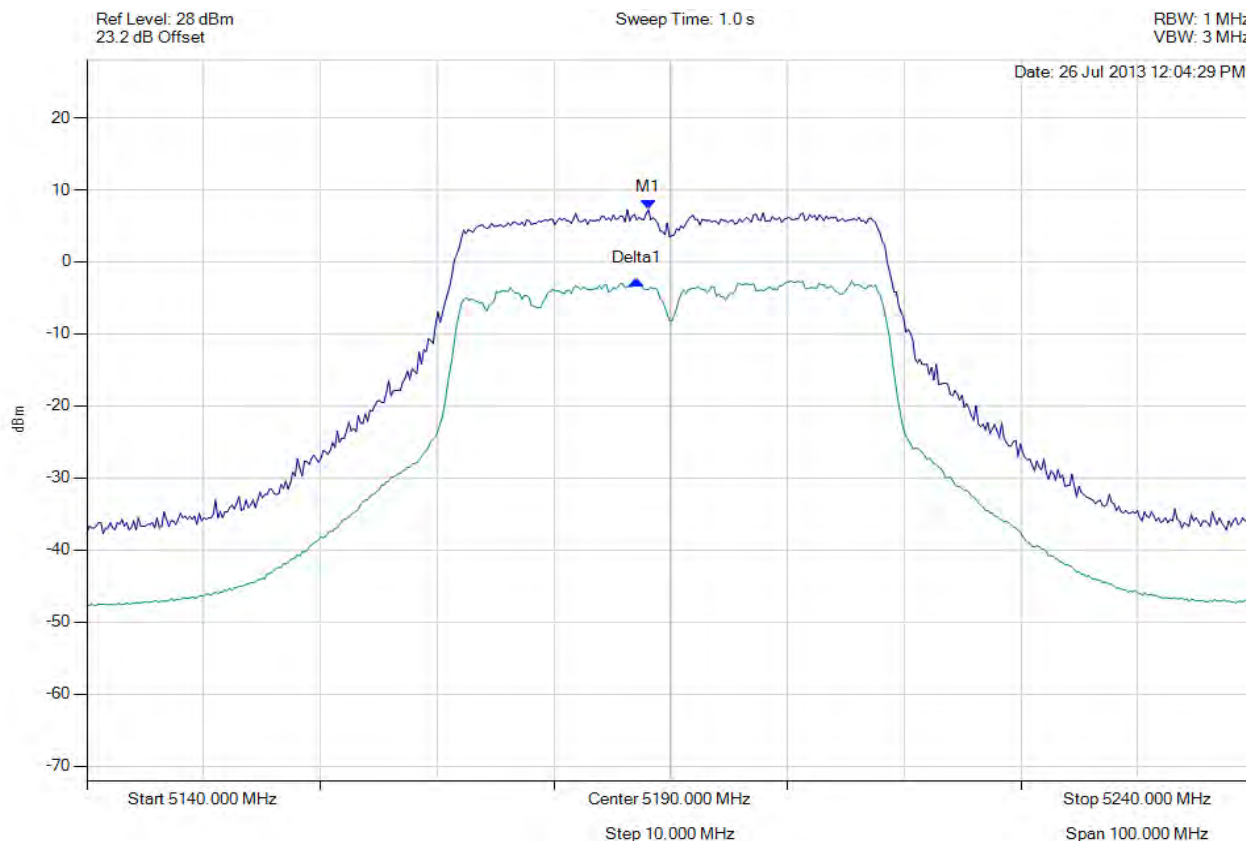
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**PEAK EXCURSION RATIO**

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



| Analyser Setup   | Marker : Frequency : Amplitude                                    | Test Results  |
|--|---|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5188.096 MHz : 7.261 dBm<br>Delta1 : -1002004 Hz : -9.787 dB | Measured Excursion Ratio: 9.79 dB<br>Limit: 13.0 dB<br>Margin: -3.21 dB |

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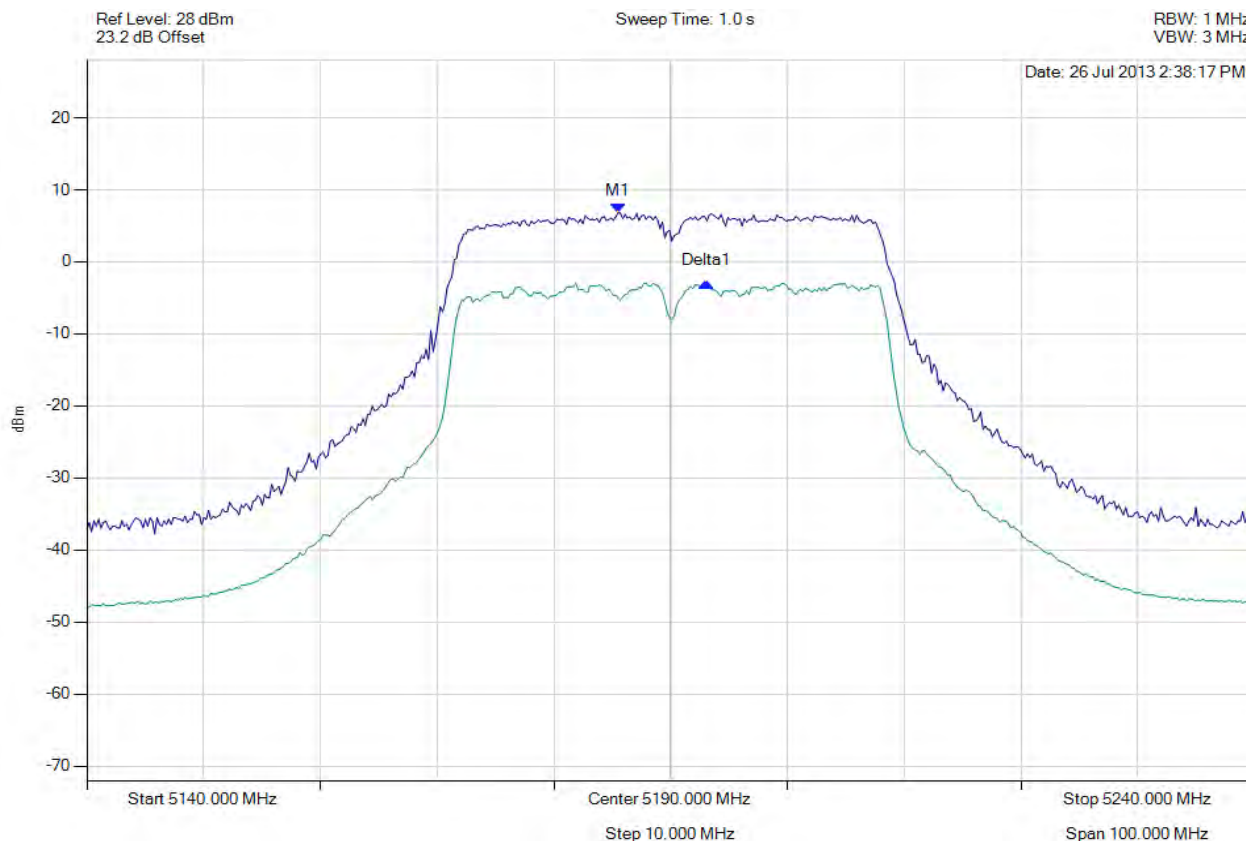
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**PEAK EXCURSION RATIO**

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



| Analyser Setup   | Marker : Frequency : Amplitude                                  | Test Results  |
|--|---|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5185.491 MHz : 6.810 dBm<br>Delta1 : 7.615 MHz : -9.619 dB | Measured Excursion Ratio: 9.62 dB<br>Limit: 13.0 dB<br>Margin: -3.38 dB |

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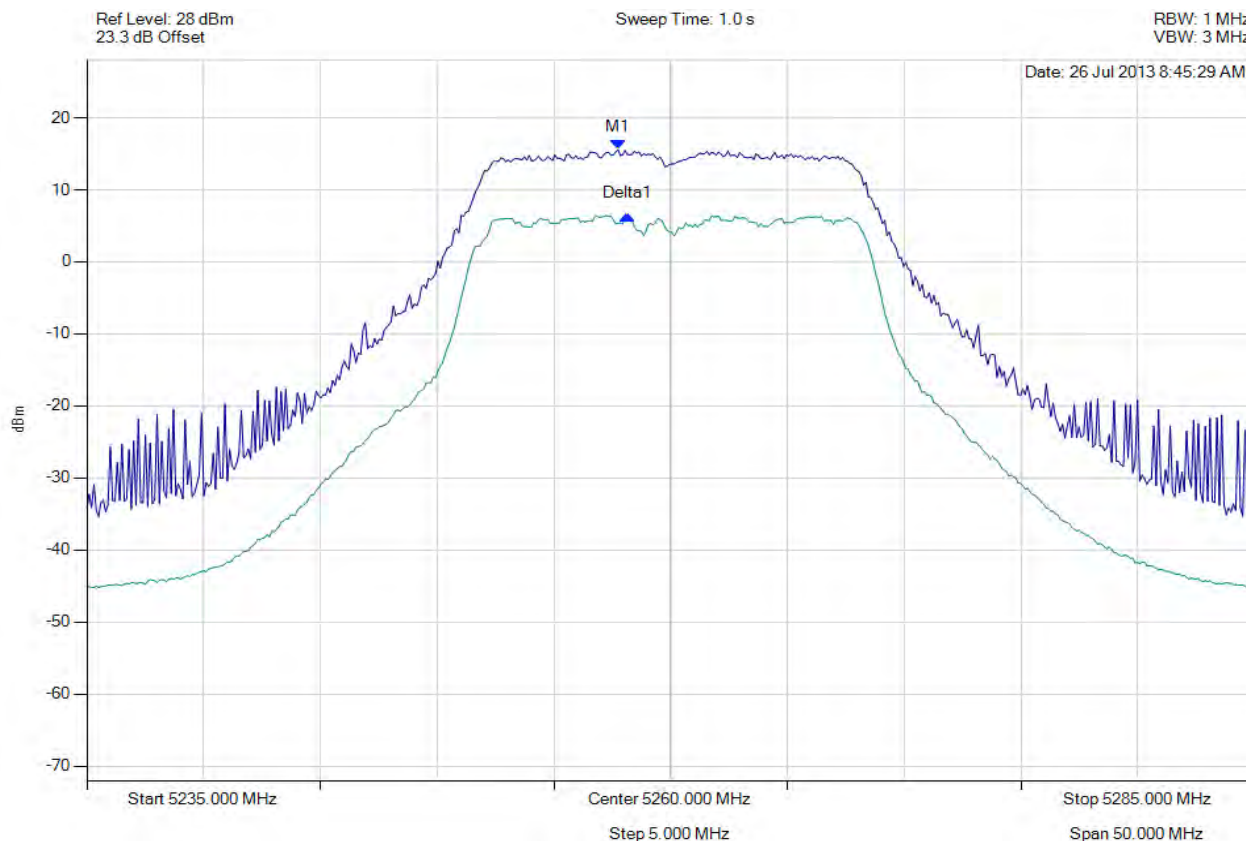


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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                 | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5257.745 MHz : 15.567 dBm<br>Delta1 : 401 KHz : -9.057 dB | Measured Excursion Ratio: 9.06 dB<br>Limit: 13.0 dB<br>Margin: -3.94 dB |

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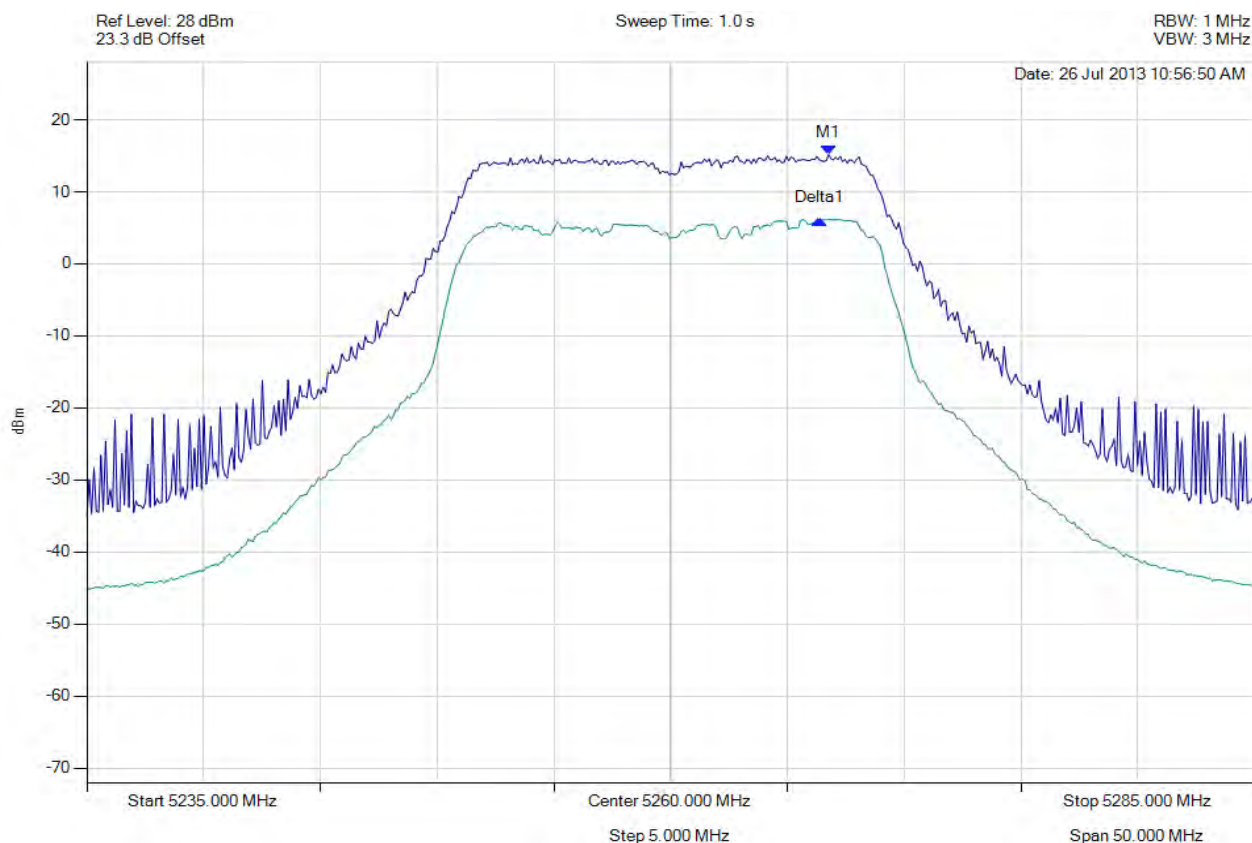


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                    | Test Results  |
|--|---|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5266.764 MHz : 15.145 dBm<br>Delta1 : -400802 Hz : -8.986 dB | Measured Excursion Ratio: 8.99 dB<br>Limit: 13.0 dB<br>Margin: -4.01 dB |

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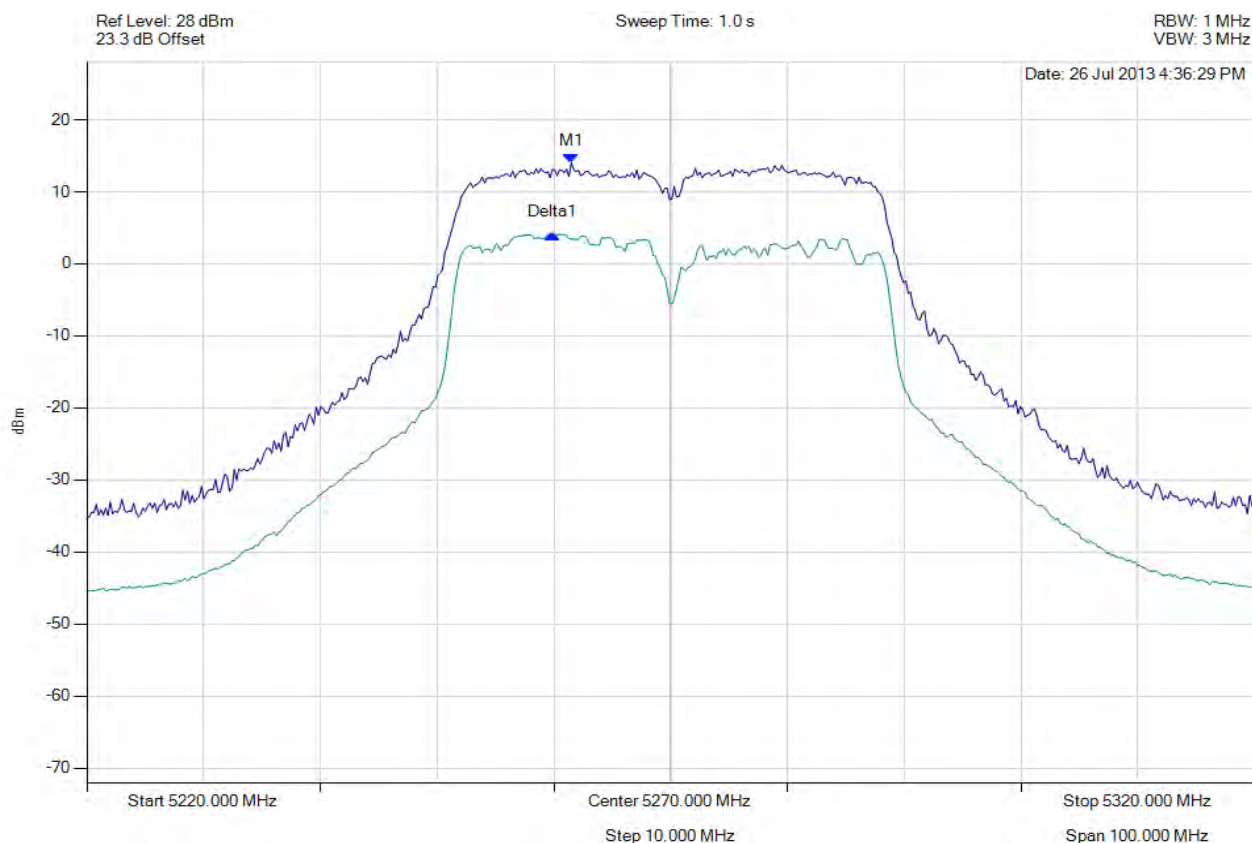


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                     | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5261.483 MHz : 13.984 dBm<br>Delta1 : -1603206 Hz : -9.817 dB | Measured Excursion Ratio: 9.82 dB<br>Limit: 13.0 dB<br>Margin: -3.18 dB |

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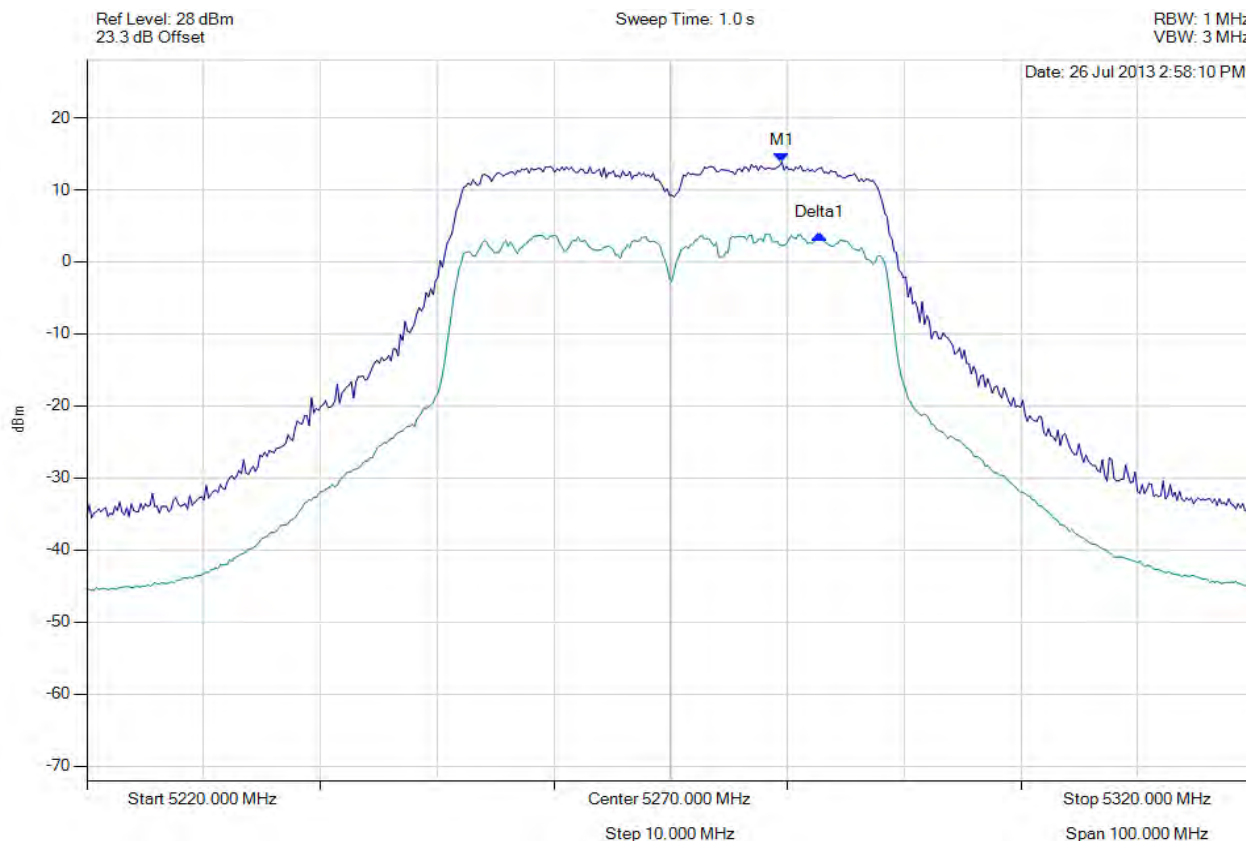


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                   | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5279.519 MHz : 13.832 dBm<br>Delta1 : 3.206 MHz : -9.967 dB | Measured Excursion Ratio: 9.97 dB<br>Limit: 13.0 dB<br>Margin: -3.03 dB |

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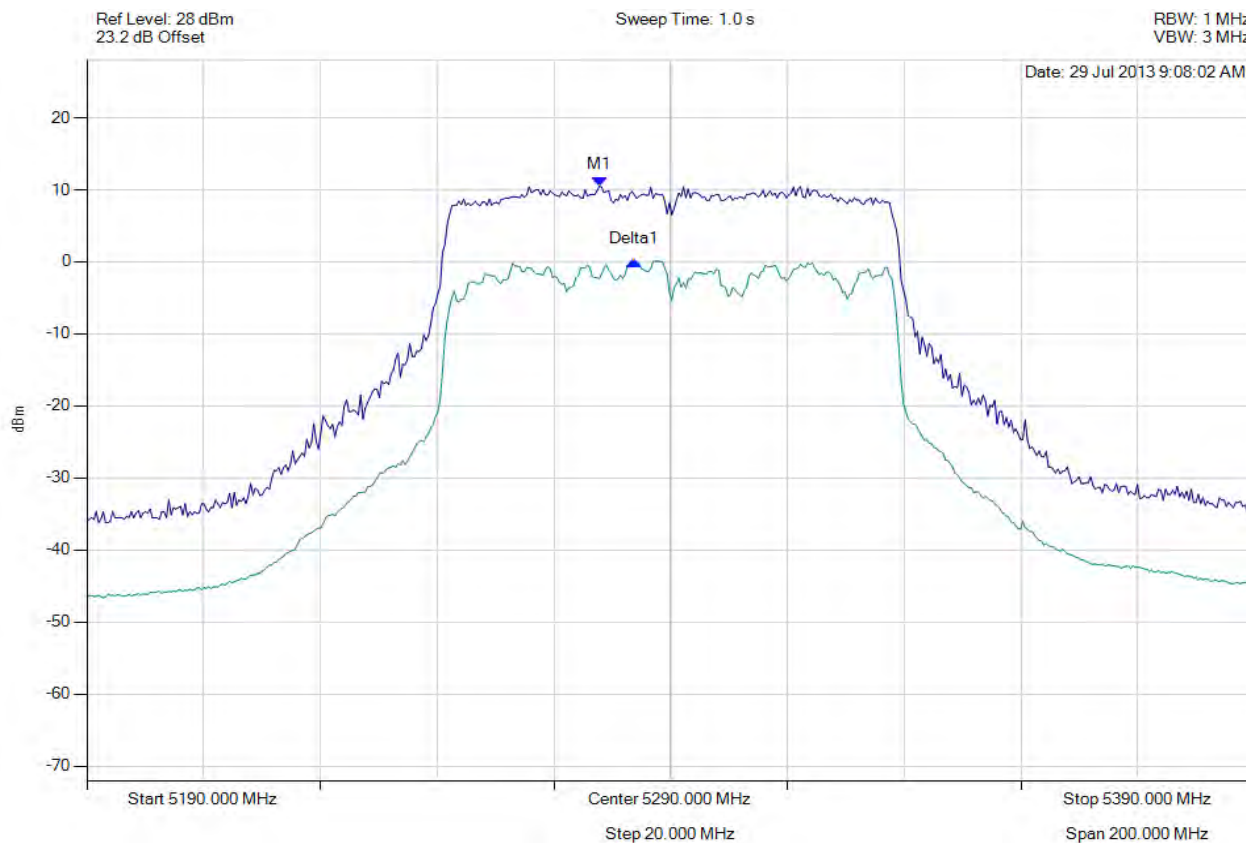


**Title:** Hewlett Packard MRLBB-1303 Wireless Module  
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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                    | Test Results   |
|--|---|--|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5277.776 MHz : 10.489 dBm<br>Delta1 : 6.012 MHz : -10.299 dB | Measured Excursion Ratio: 10.30 dB<br>Limit: 13.0 dB<br>Margin: -2.70 dB |

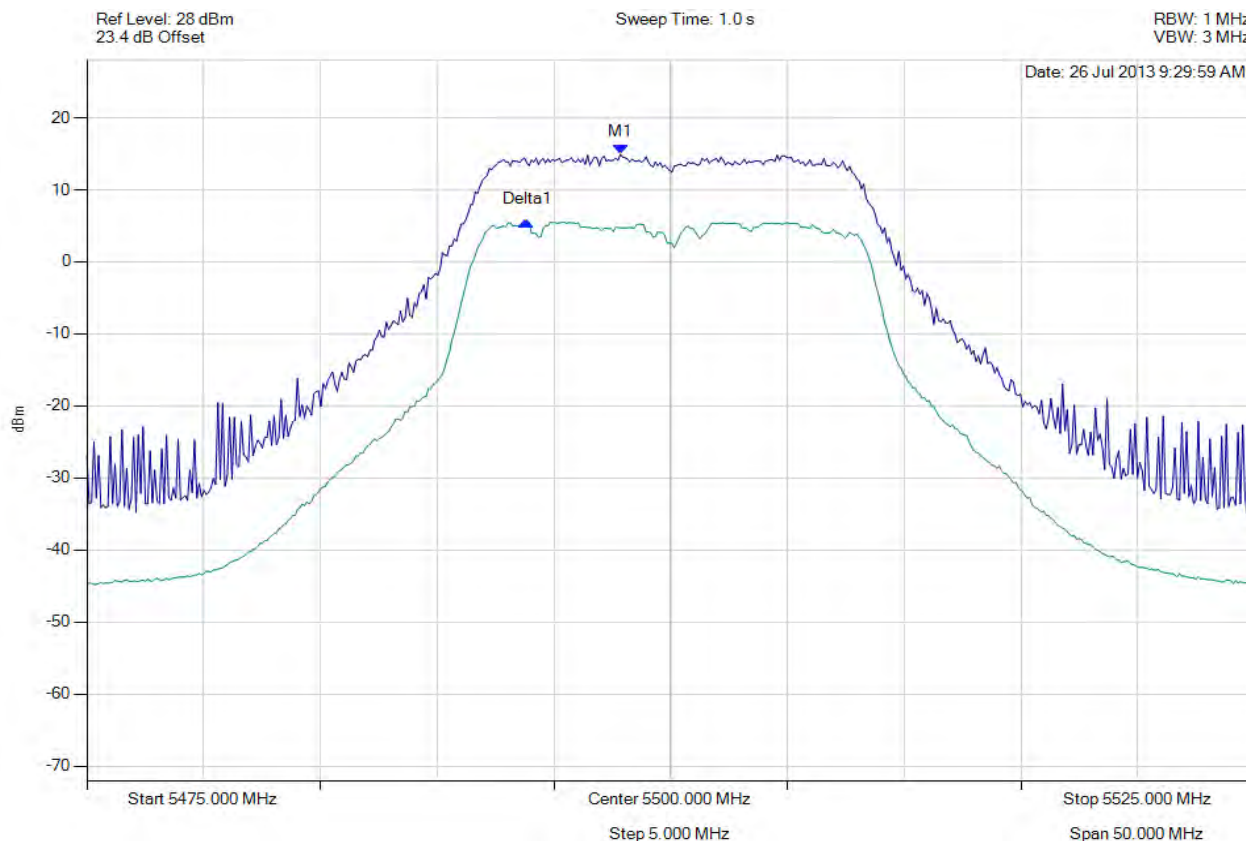
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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                     | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5497.846 MHz : 14.924 dBm<br>Delta1 : -4008016 Hz : -9.259 dB | Measured Excursion Ratio: 9.26 dB<br>Limit: 13.0 dB<br>Margin: -3.74 dB |

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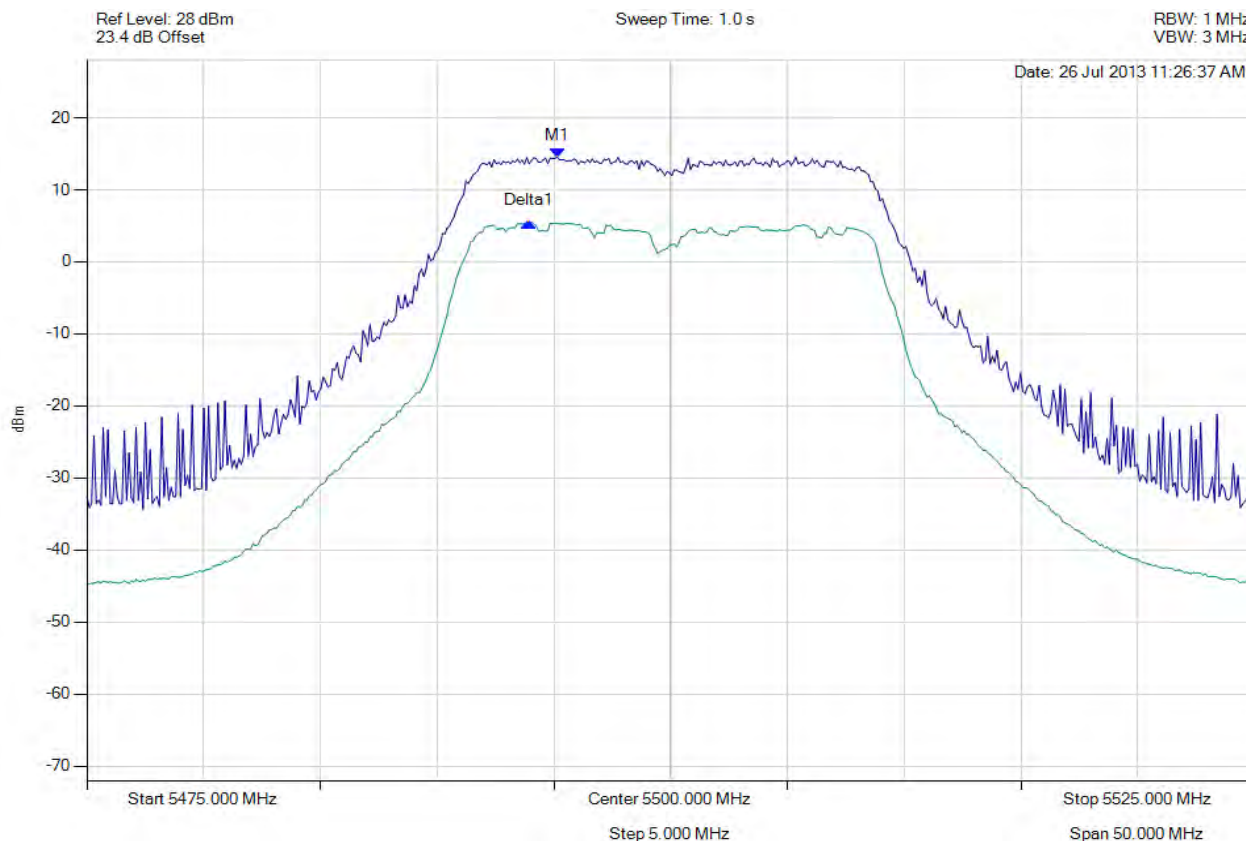


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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                     | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5495.140 MHz : 14.544 dBm<br>Delta1 : -1202405 Hz : -9.030 dB | Measured Excursion Ratio: 9.03 dB<br>Limit: 13.0 dB<br>Margin: -3.97 dB |

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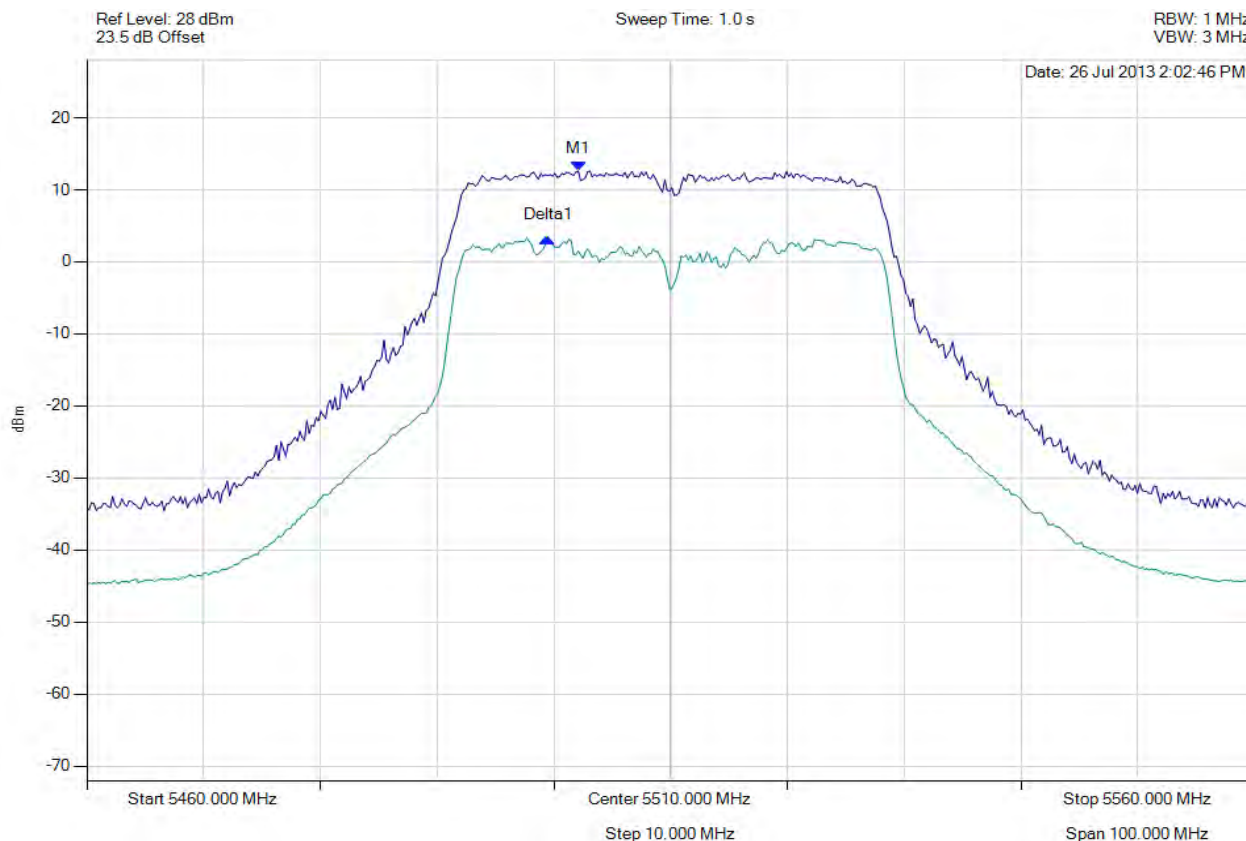


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**PEAK EXCURSION RATIO**

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



| Analyser Setup   | Marker : Frequency : Amplitude                                     | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br><b>TRACE 1:</b><br>Detector = MAX PEAK<br>Trace Mode = VIEW<br><b>TRACE 2:</b><br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5502.084 MHz : 12.608 dBm<br>Delta1 : -2605210 Hz : -9.223 dB | Measured Excursion Ratio: 9.22 dB<br>Limit: 13.0 dB<br>Margin: -3.78 dB |

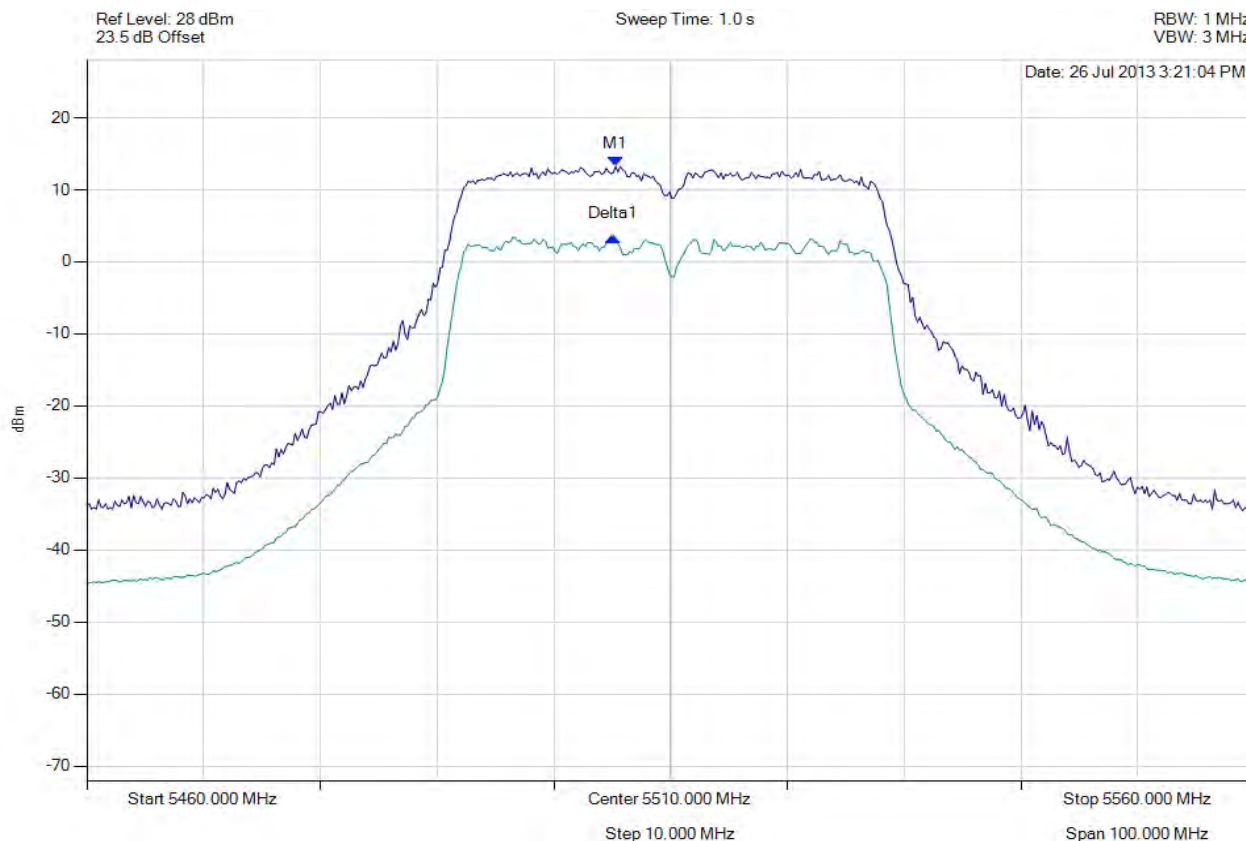
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**PEAK EXCURSION RATIO**

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



| Analyser Setup   | Marker : Frequency : Amplitude                                    | Test Results  |
|--|---|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br><b>TRACE 1:</b><br>Detector = MAX PEAK<br>Trace Mode = VIEW<br><b>TRACE 2:</b><br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5505.291 MHz : 13.263 dBm<br>Delta1 : -200401 Hz : -9.710 dB | Measured Excursion Ratio: 9.71 dB<br>Limit: 13.0 dB<br>Margin: -3.29 dB |

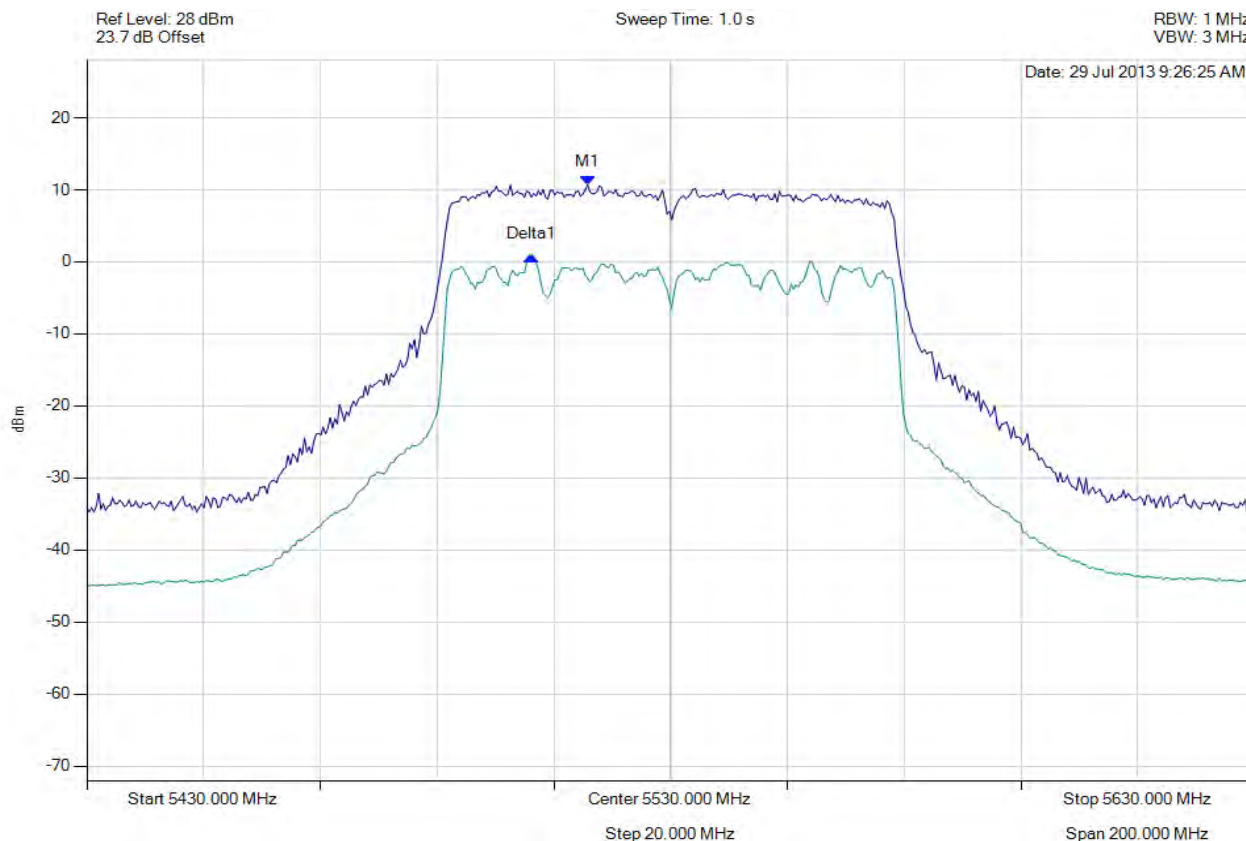
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### PEAK EXCURSION RATIO

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



| Analyser Setup   | Marker : Frequency : Amplitude                                     | Test Results  |
|--|--|---|
| Sweep Count = 0<br>RF Atten (dB) = 20<br>TRACE 1:<br>Detector = MAX PEAK<br>Trace Mode = VIEW<br>TRACE 2:<br>Detector = RMS<br>Trace Mode = VIEW | M1 : 5515.772 MHz : 10.725 dBm<br>Delta1 : -9619238 Hz : -9.931 dB | Measured Excursion Ratio: 9.93 dB<br>Limit: 13.0 dB<br>Margin: -3.07 dB |

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