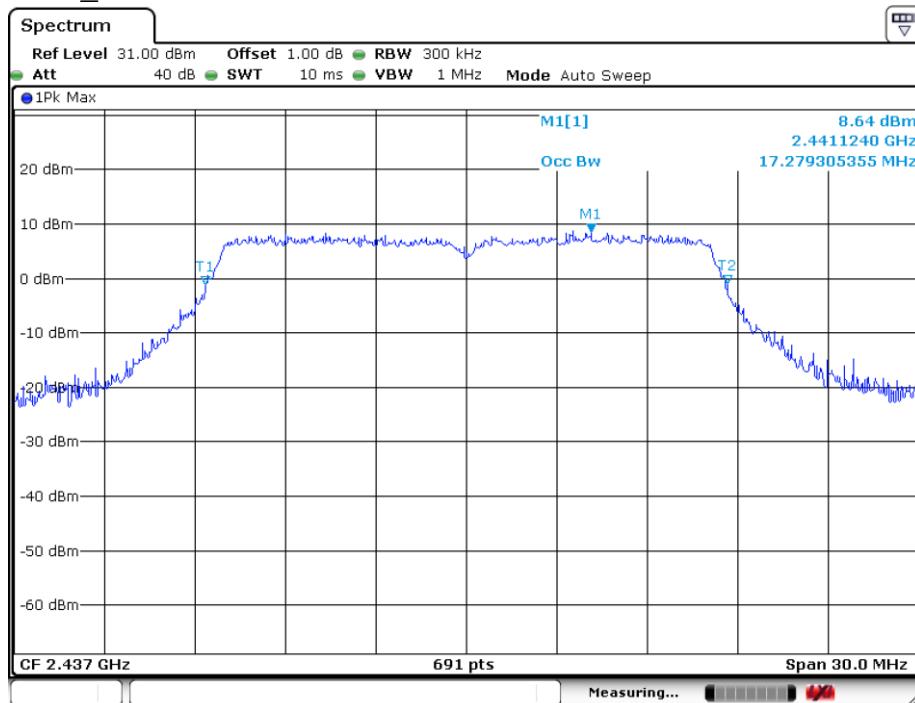
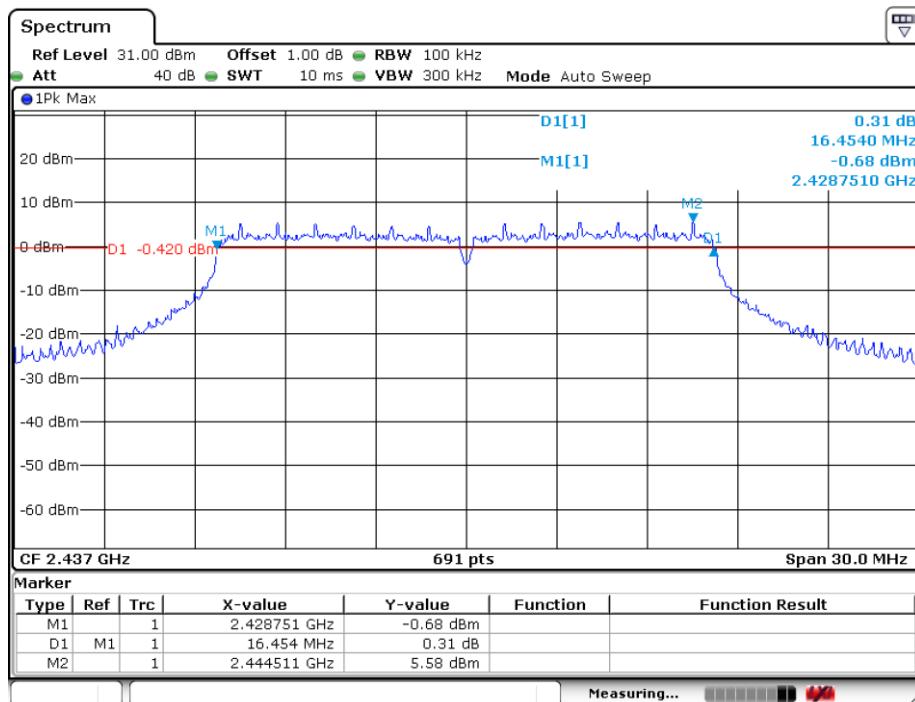


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4.5.2.1.5 802.11G_Middle Channel



Date: 8.NOV.2020 14:45:04



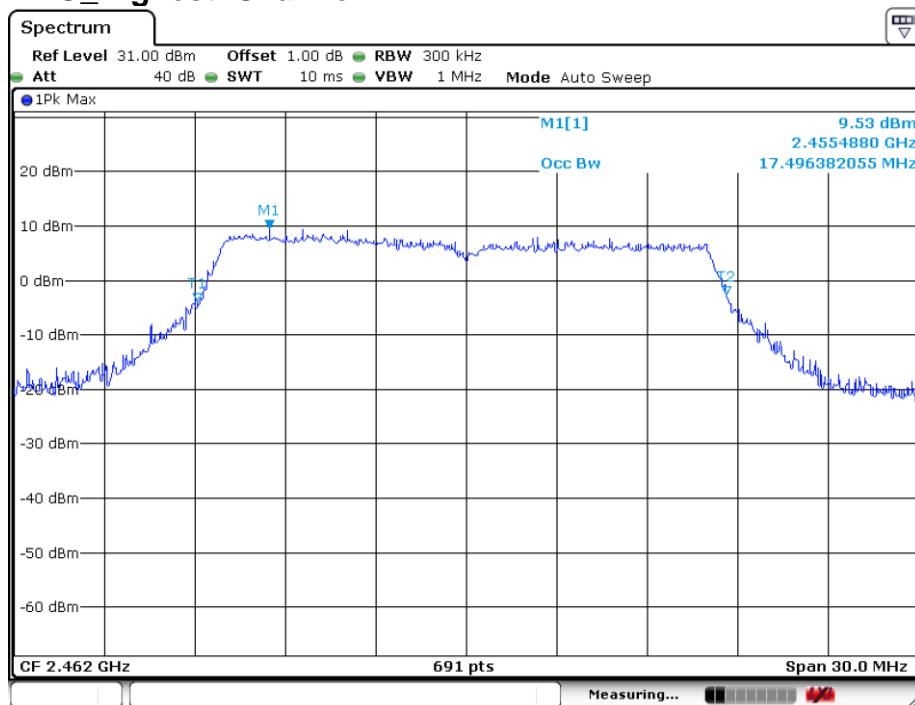
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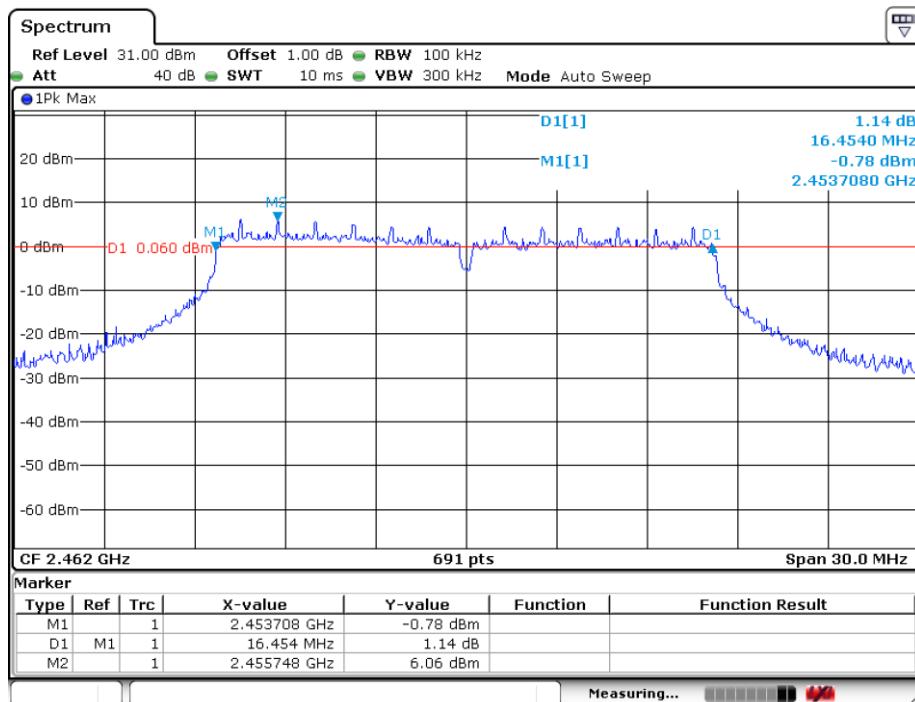
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4.5.2.1.6 802.11G_Highest Channel



Date: 8.NOV.2020 14:44:43



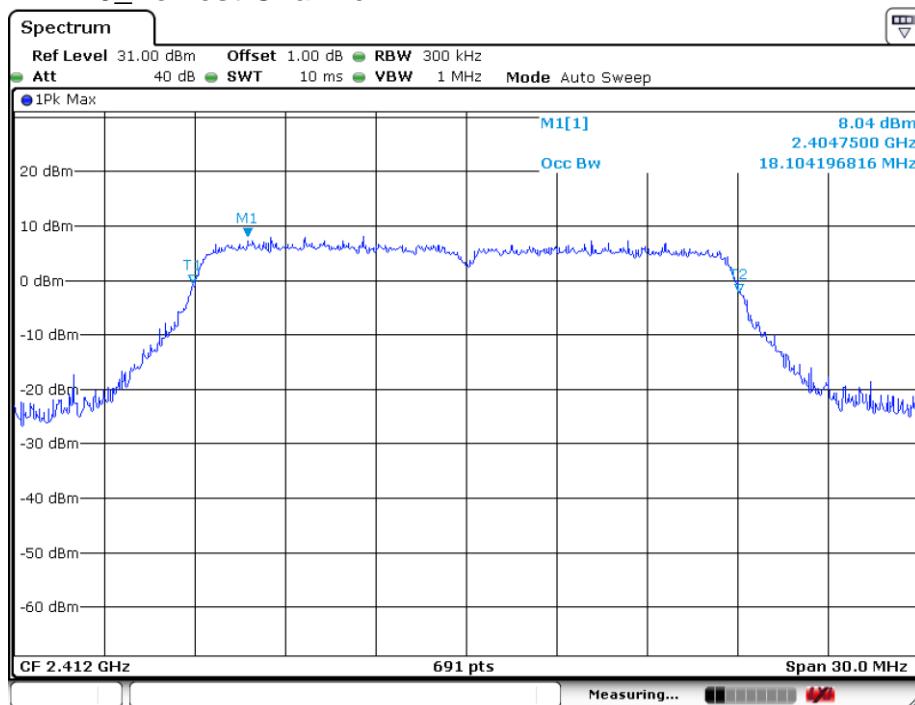
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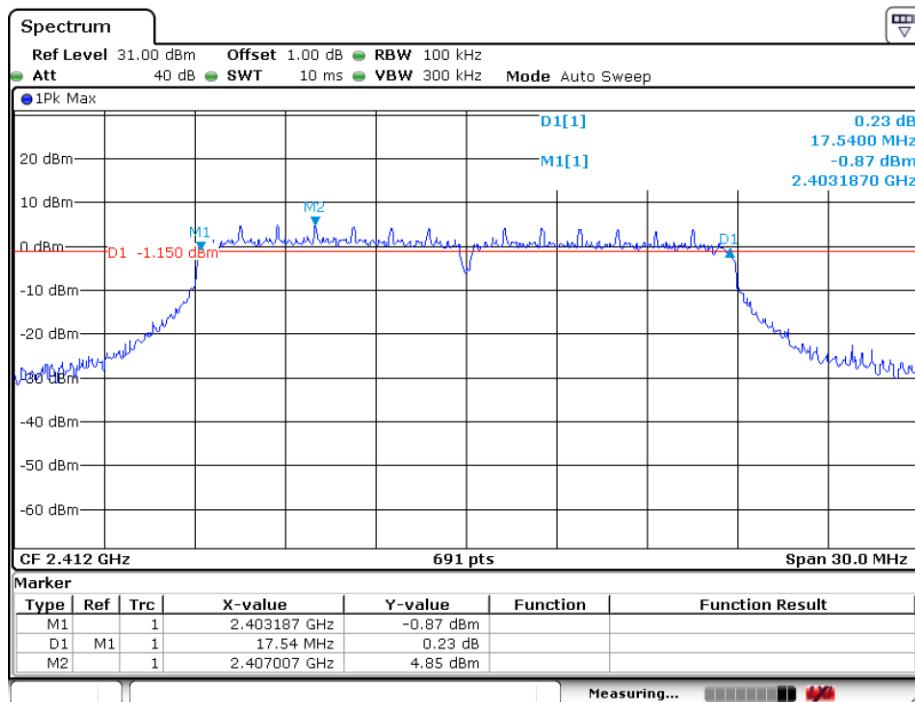
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4.5.2.1.7 802.11N20_Lowest Channel



Date: 8.NOV.2020 14:42:55



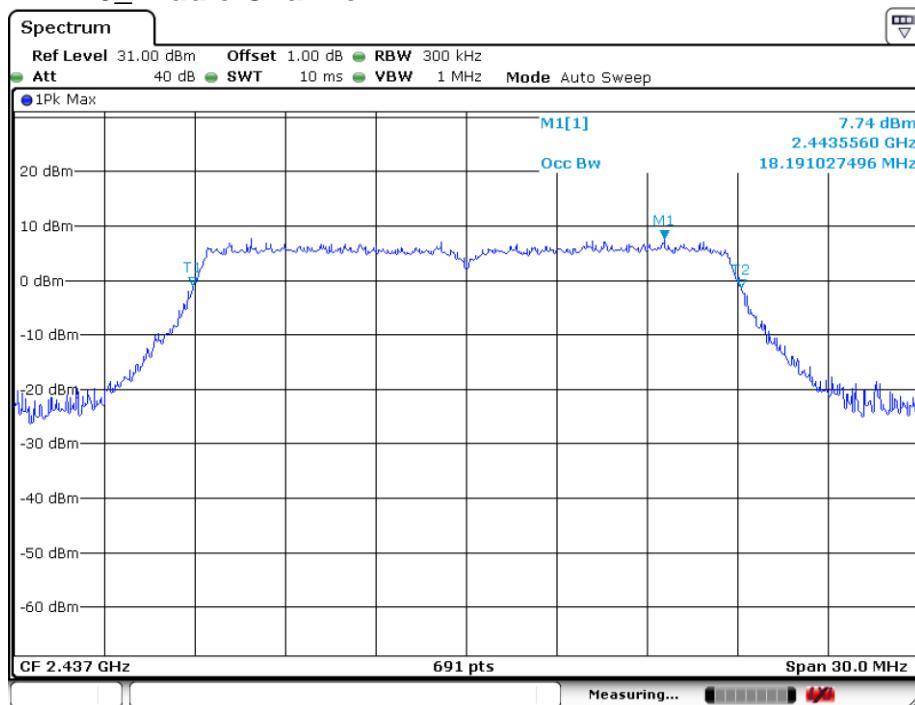
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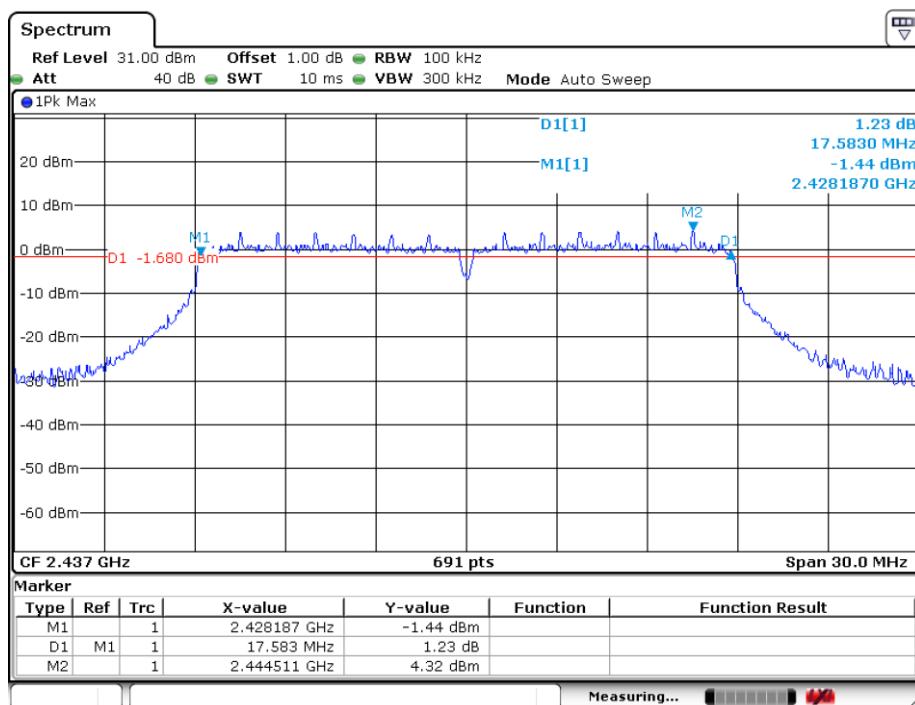
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4.5.2.1.8 802.11N20_Middle Channel



Date: 8.NOV.2020 14:42:33



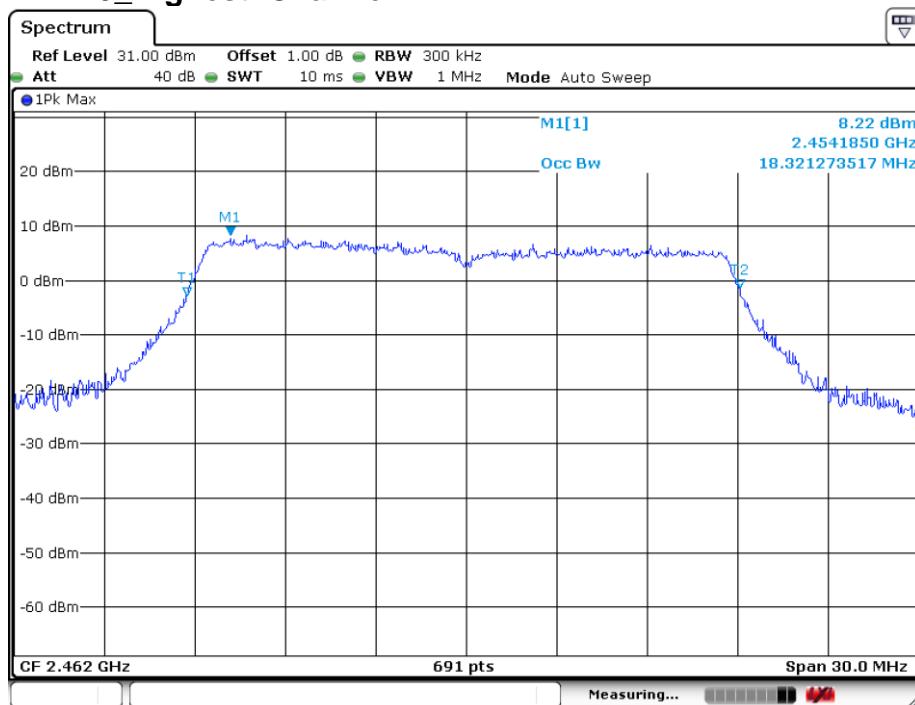
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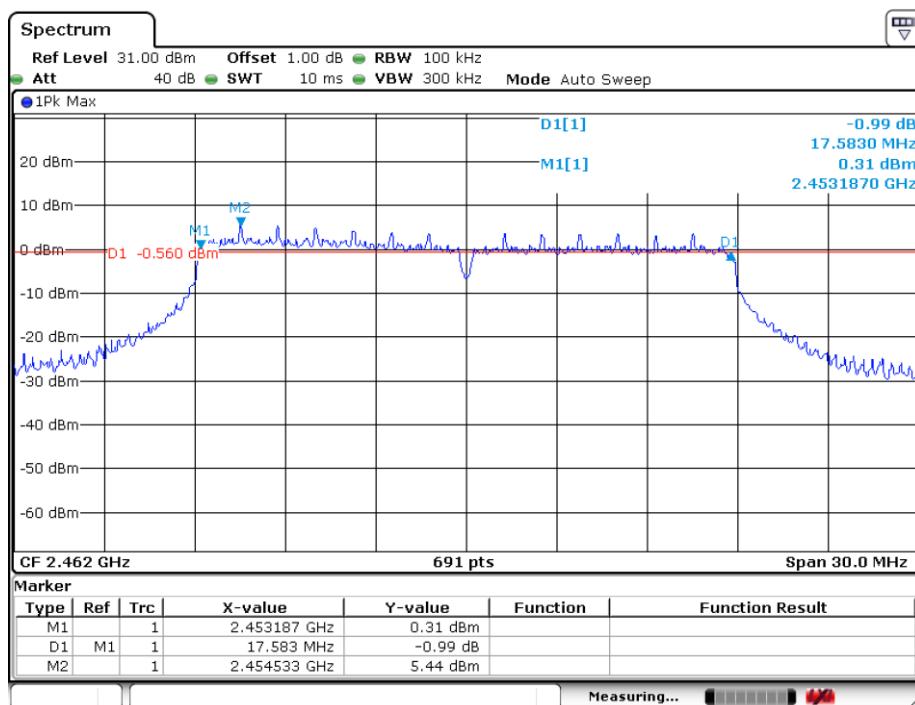
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4.5.2.1.9 802.11N20_Highest Channel



Date: 8.NOV.2020 14:42:13

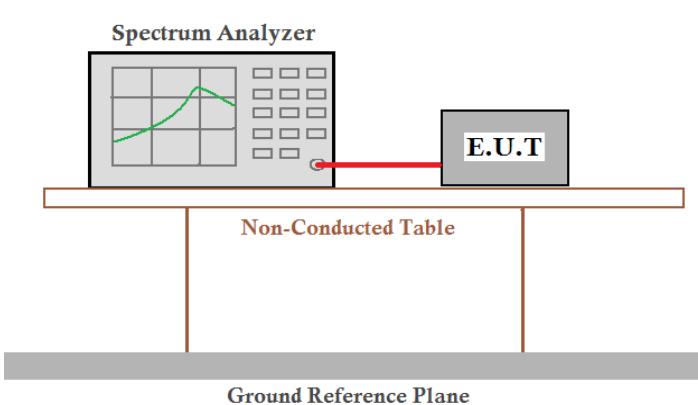


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4.6 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10 :2013 Section 11.10.2
Test Setup:	
Test Instruments:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20);
Limit:	$\leq 8.00 \text{dBm}/3\text{kHz}$
Test Results:	Pass

4.6.1 Test Results

Mode	Test Channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
802.11B	Lowest	-1.98	≤ 8.00	Pass
	Middle	-2.44	≤ 8.00	Pass
	Highest	-2.14	≤ 8.00	Pass
802.11G	Lowest	-7.02	≤ 8.00	Pass
	Middle	-5.99	≤ 8.00	Pass
	Highest	-6.47	≤ 8.00	Pass
802.11N20	Lowest	-8.04	≤ 8.00	Pass
	Middle	-8.66	≤ 8.00	Pass
	Highest	-9.00	≤ 8.00	Pass

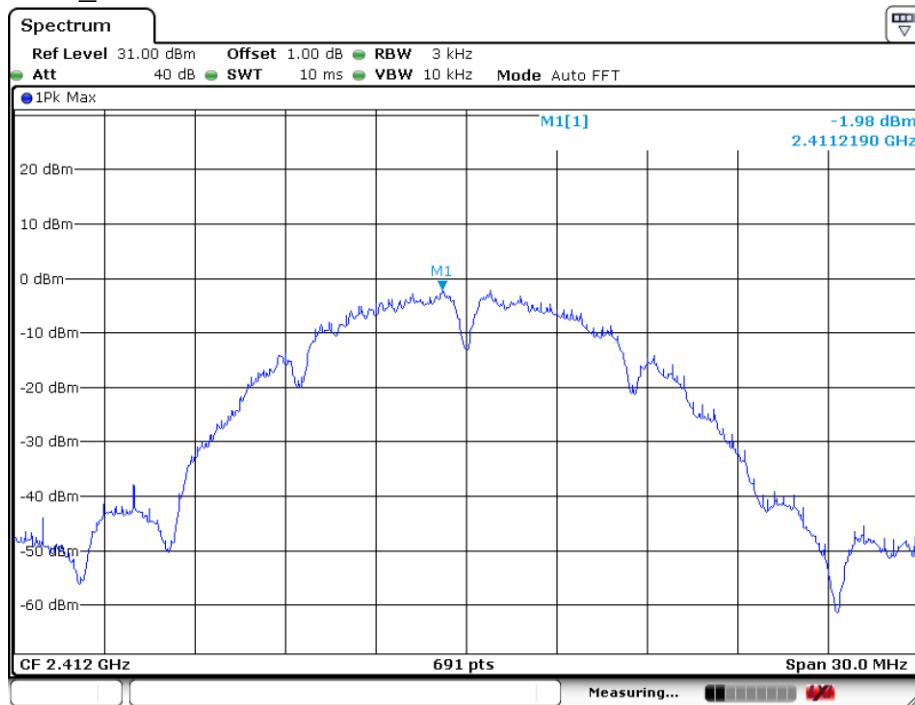
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Report No.: ZR/2020/A001604-01
Page: 35 of 97**4.6.2 Test Plots****4.6.2.1 ANT1****4.6.2.1.1 802.11B_Lowest Channel**

Date: 8.NOV.2020 14:47:30

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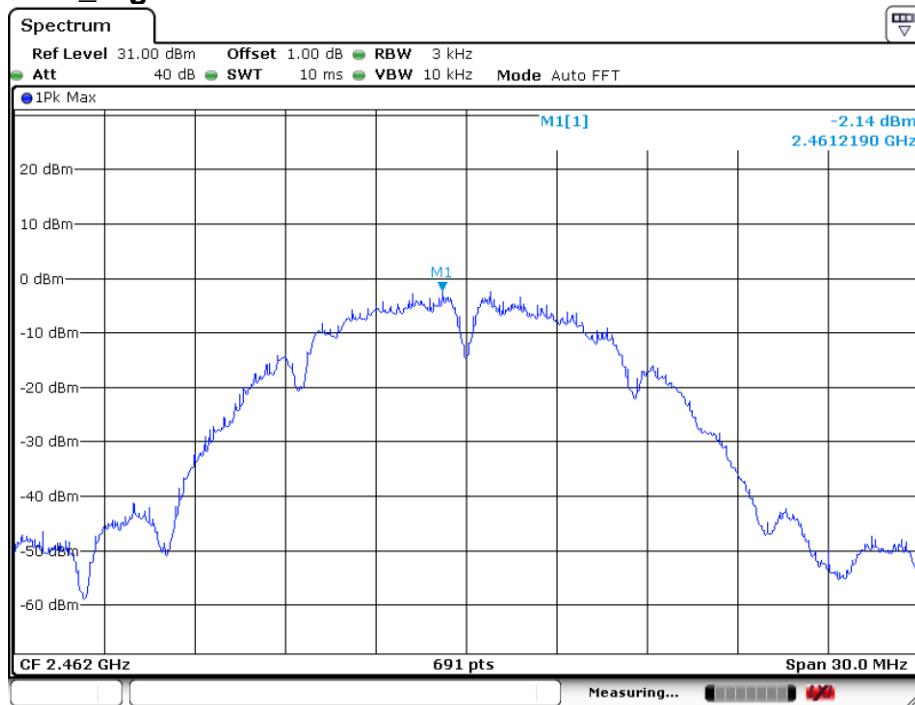
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4.6.2.1.2 802.11B_Middle Channel



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4.6.2.1.3 802.11B_Highest Channel



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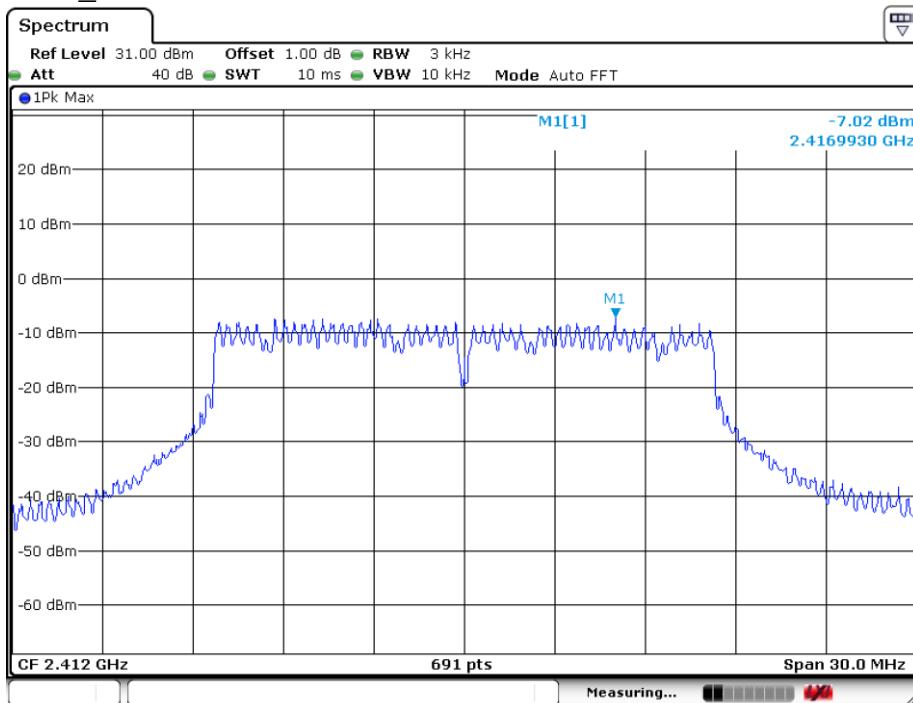
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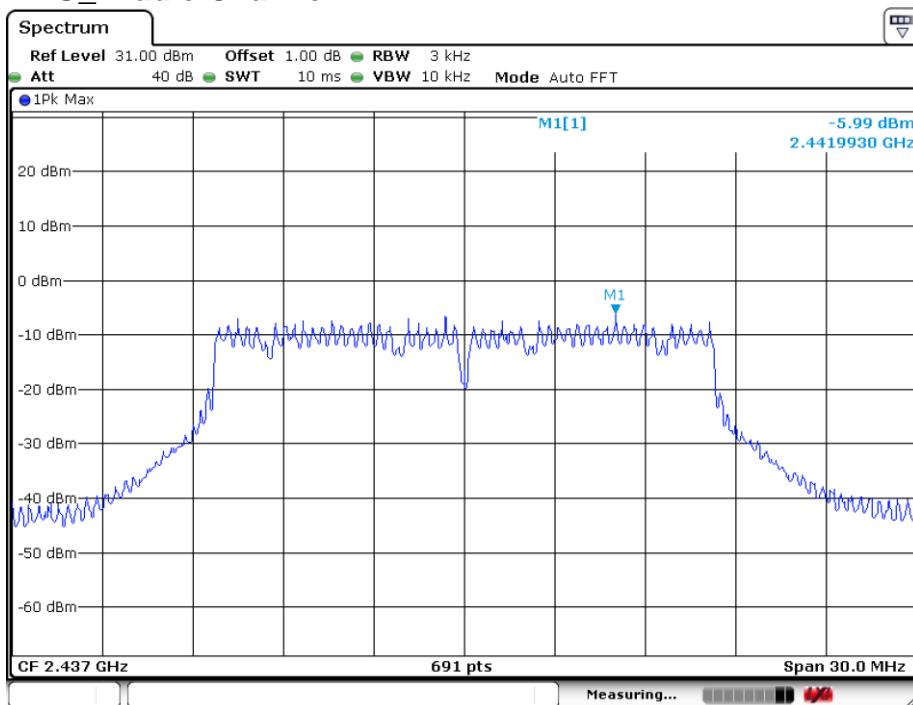
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4.6.2.1.4 802.11G_Lowest Channel



Date: 8.NOV.2020 14:45:38

4.6.2.1.5 802.11G_Middle Channel



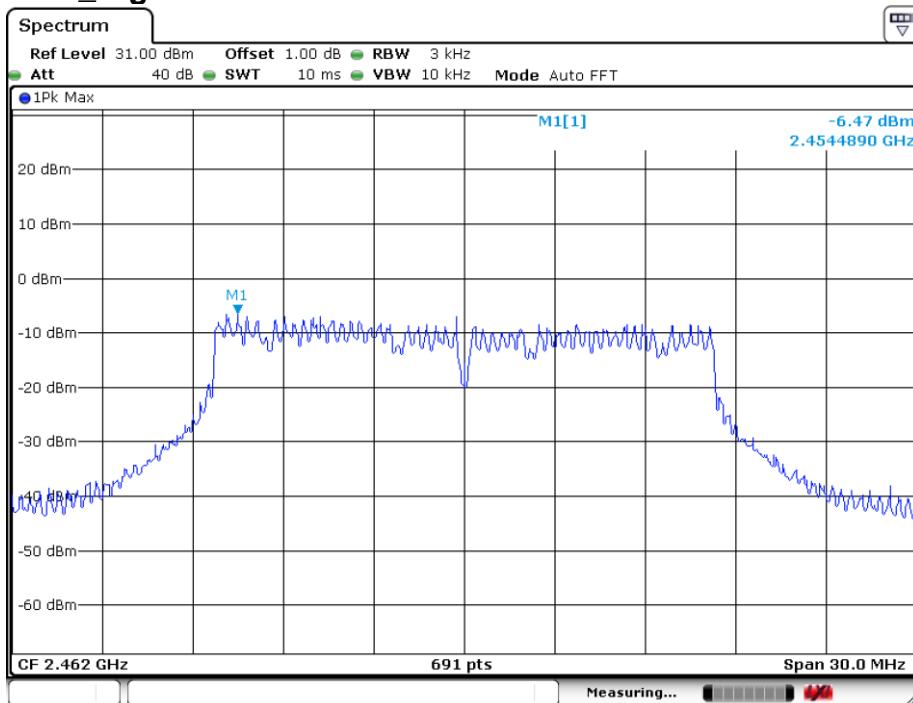
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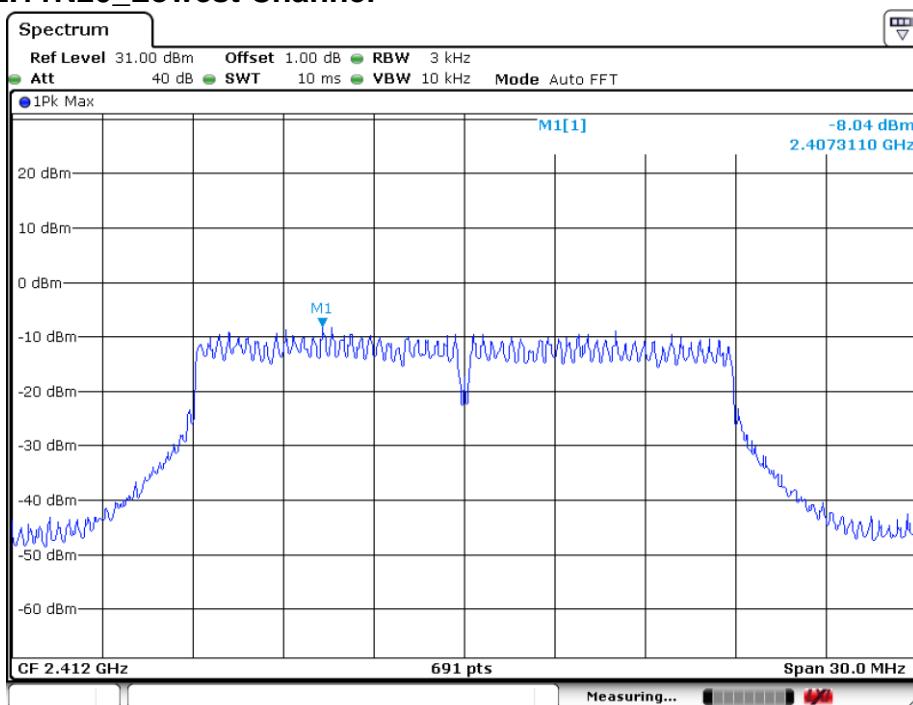
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4.6.2.1.6 802.11G_Highest Channel



Date: 8.NOV.2020 14:46:26

4.6.2.1.7 802.11N20_Lowest Channel



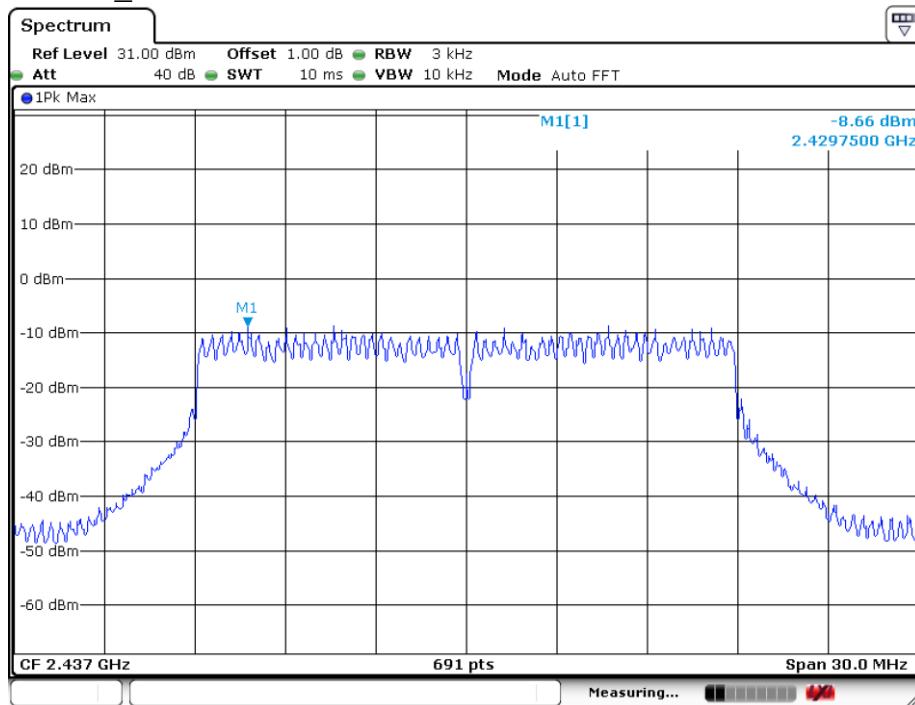
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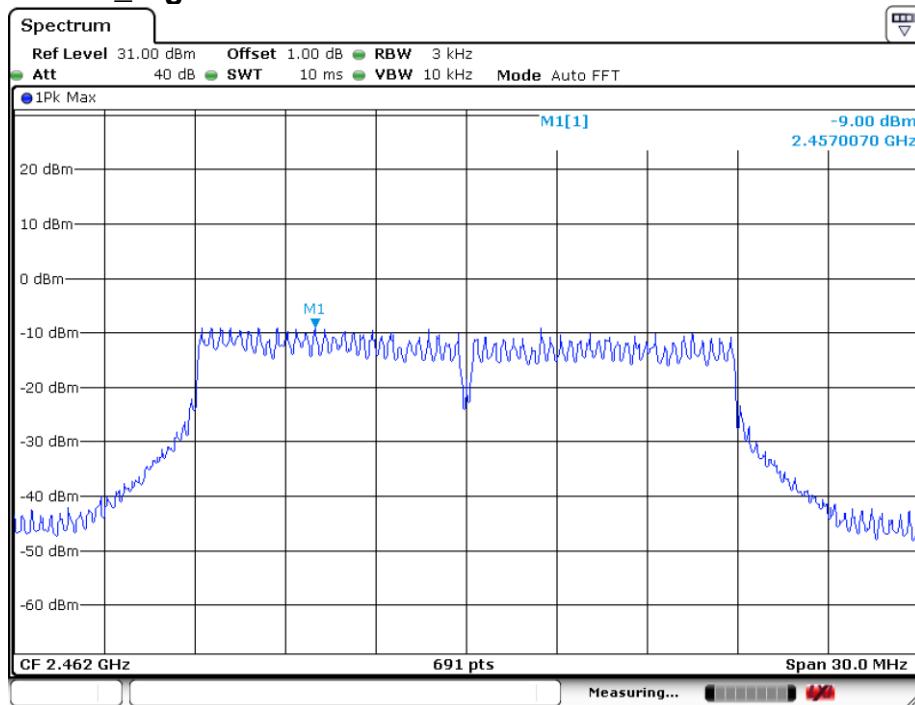
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4.6.2.1.8 802.11N20_Middle Channel



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4.6.2.1.9 802.11N20_Highest Channel



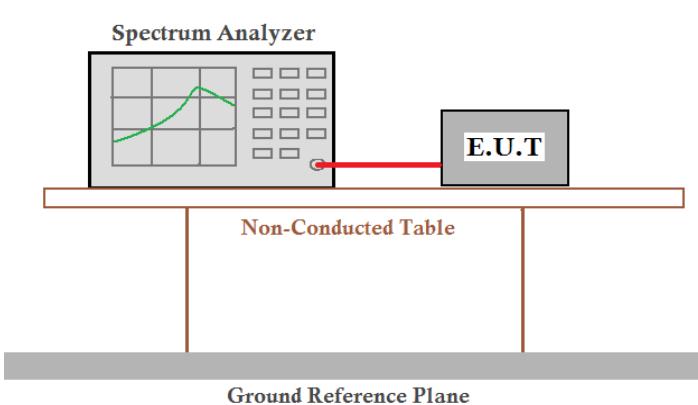
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4.7 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013 Section 11.13
Test Setup:	
Instruments Used:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40).
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

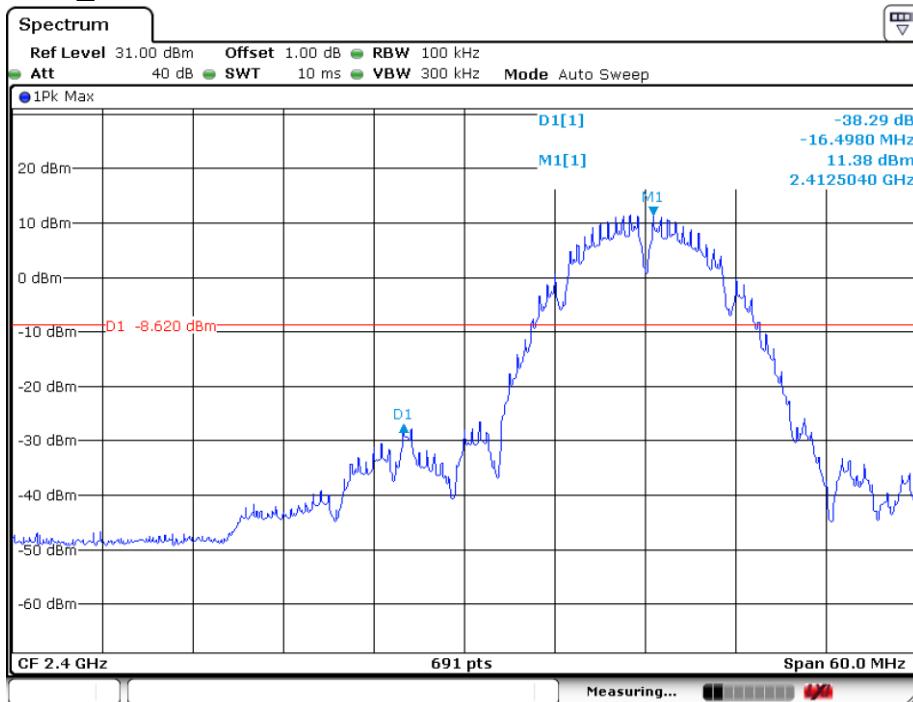
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Page: 41 of 97**4.7.1 Test Plots****4.7.1.1 ANT1****4.7.1.1.1 802.11B_Lowest Channel**

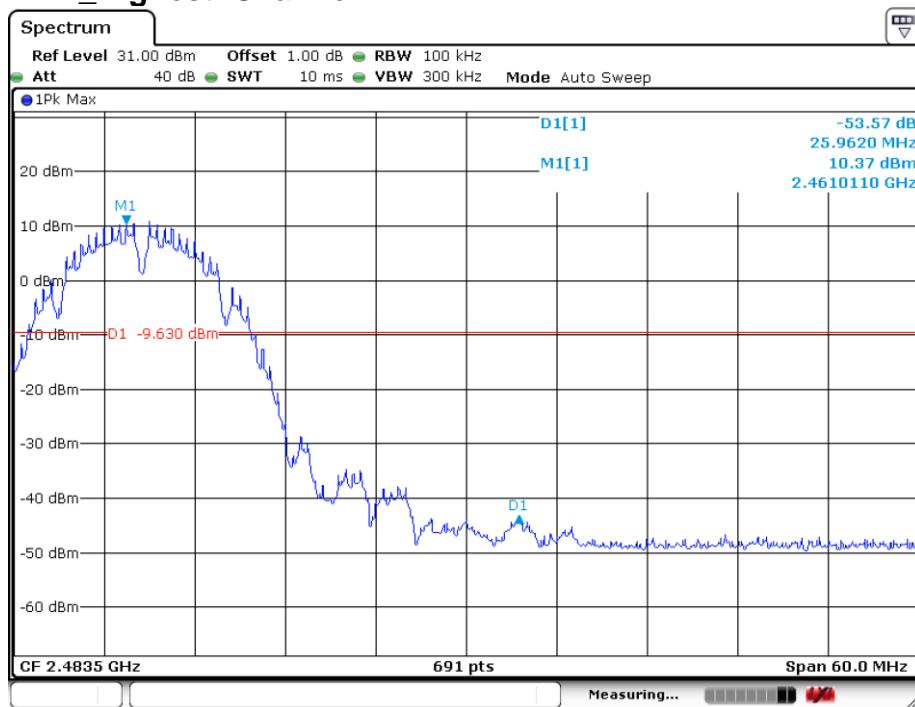
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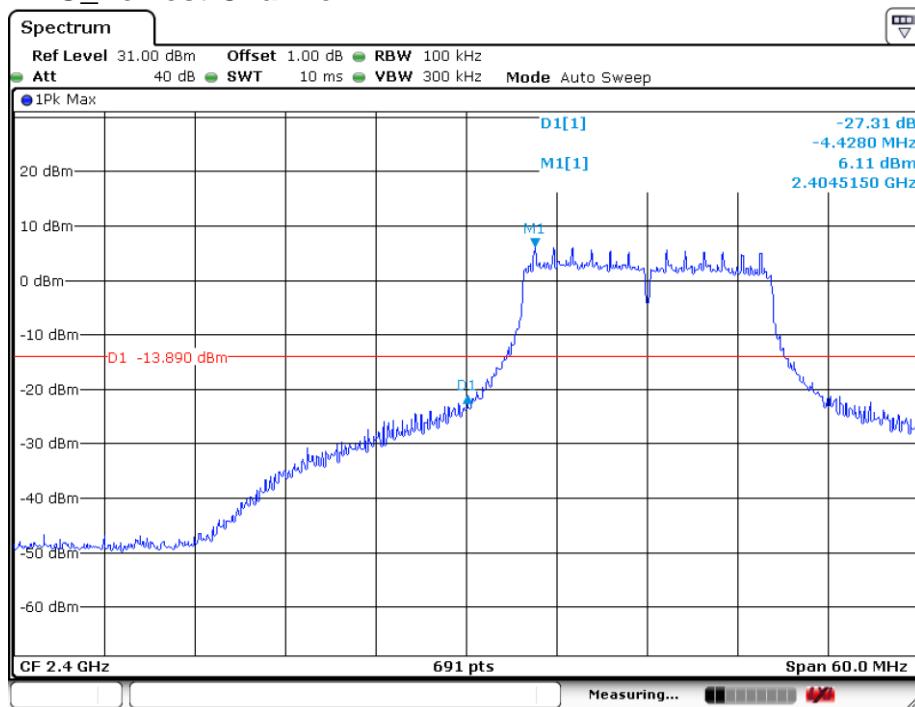
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4.7.1.1.2 802.11B_Highest Channel



Date: 8.NOV.2020 14:32:24

4.7.1.1.3 802.11G_Lowest Channel



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