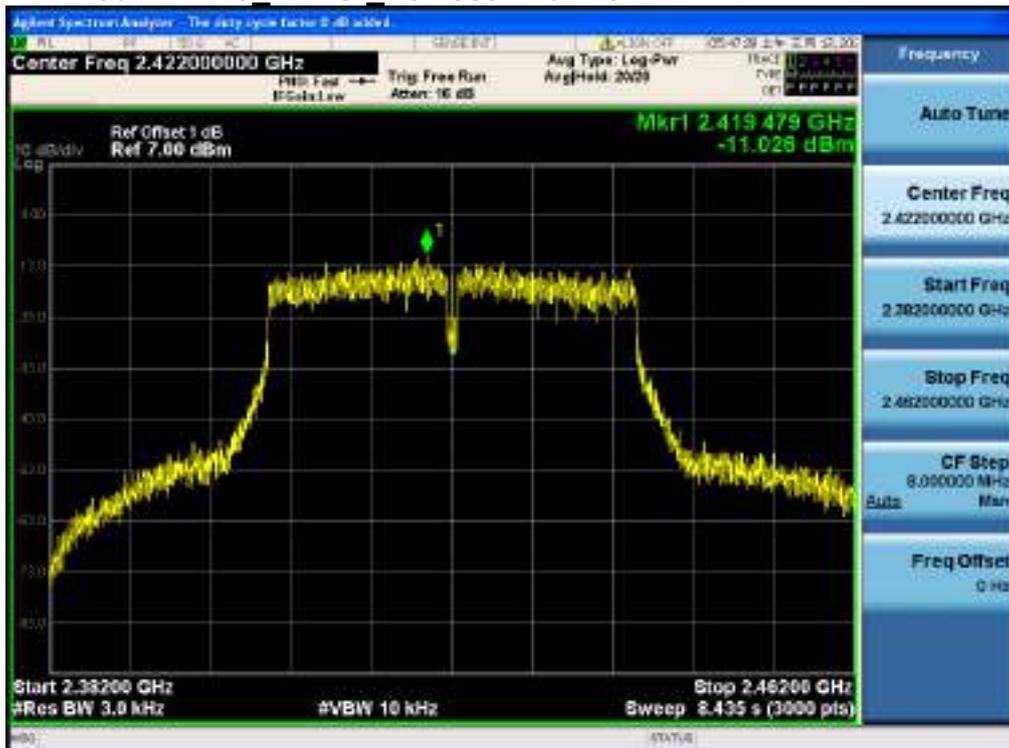




4.6.2.1.21 802.11 N20\_MIMO\_Highest Channel



4.6.2.1.22 802.11N40\_MIMO\_Lowest 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:	
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.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass



**4.7.1 Test plots**

**4.7.1.1 ANT1**

**4.7.1.1.1 802.11B\_Lowest Channel**



**4.7.1.1.2 802.11B\_Highest Channel**



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4.7.1.1.3 802.11G\_Lowest Channel



4.7.1.1.4 802.11G\_Highest Channel



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4.7.1.1.5 802.11N20\_Lowest Channel



4.7.1.1.6 802.11 N20\_Highest Channel



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4.7.1.1.7 802.11N40 Lowest Channel



4.7.1.1.8 802.11 N40\_Highest Channel



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4.7.1.1.11 802.11G\_CDD\_Lowest Channel



4.7.1.1.12 802.11G\_CDD\_Highest Channel



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4.7.1.1.13 802.11N20\_MIMO\_Lowest Channel



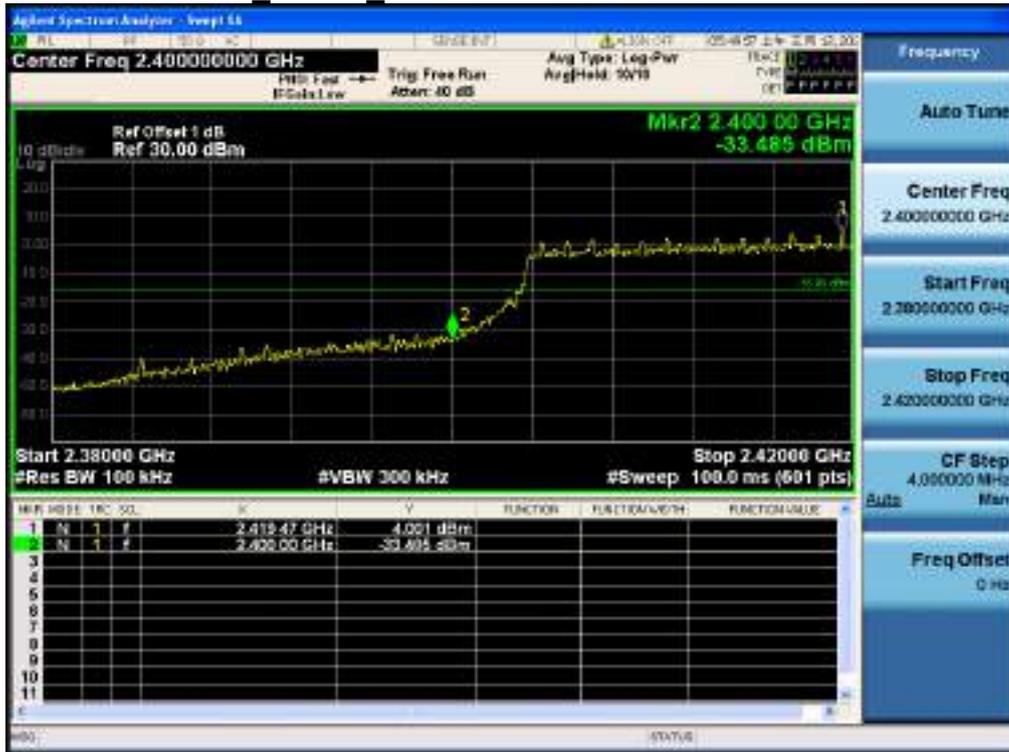
4.7.1.1.14 802.11 N20\_MIMO\_Highest Channel



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4.7.1.1.15 802.11N40\_MIMO\_Lowest Channel



4.7.1.1.16 802.11 N40\_MIMO\_Highest Channel



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4.7.1.2 ANT2

4.7.1.2.1 802.11B\_CDD\_Lowest Channel



4.7.1.2.2 802.11B\_CDD\_Highest Channel



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4.7.1.2.3 802.11G\_CDD\_Lowest Channel



4.7.1.2.4 802.11G\_CDD\_Highest Channel



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4.7.1.2.5 802.11N20\_MIMO\_Lowest Channel



4.7.1.2.6 802.11 N20\_MIMO\_Highest Channel



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4.7.1.2.7 802.11N40 MIMO Lowest Channel



4.7.1.2.8 802.11 N40 MIMO Highest Channel



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### 4.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013 Section 11.11
Test Setup:	
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.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass



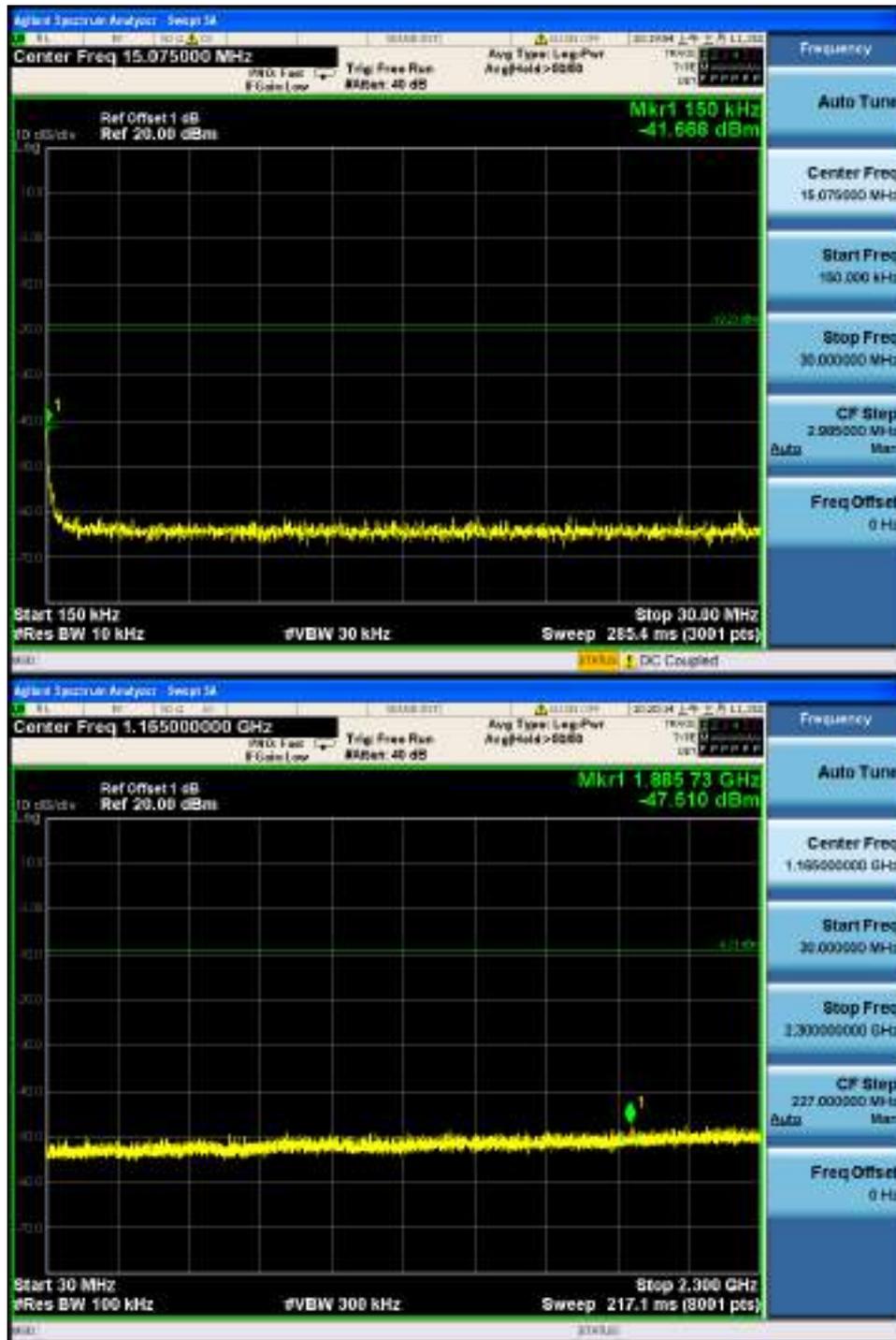
4.8.1 Test plots

4.8.1.1 ANT1

4.8.1.1.1 802.11B\_Lowest Channel



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#### 4.8.1.1.2 802.11B Middle Channel



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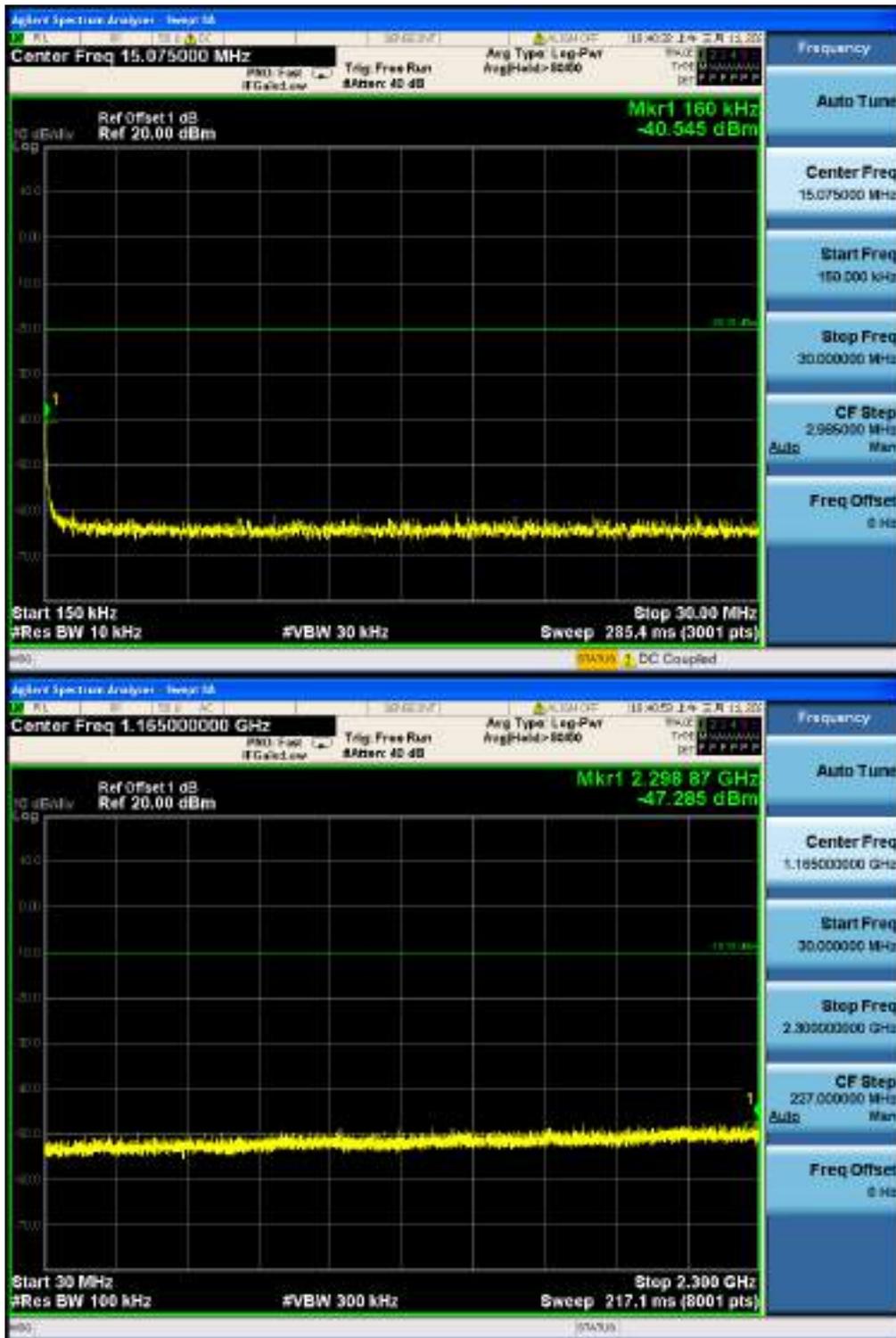






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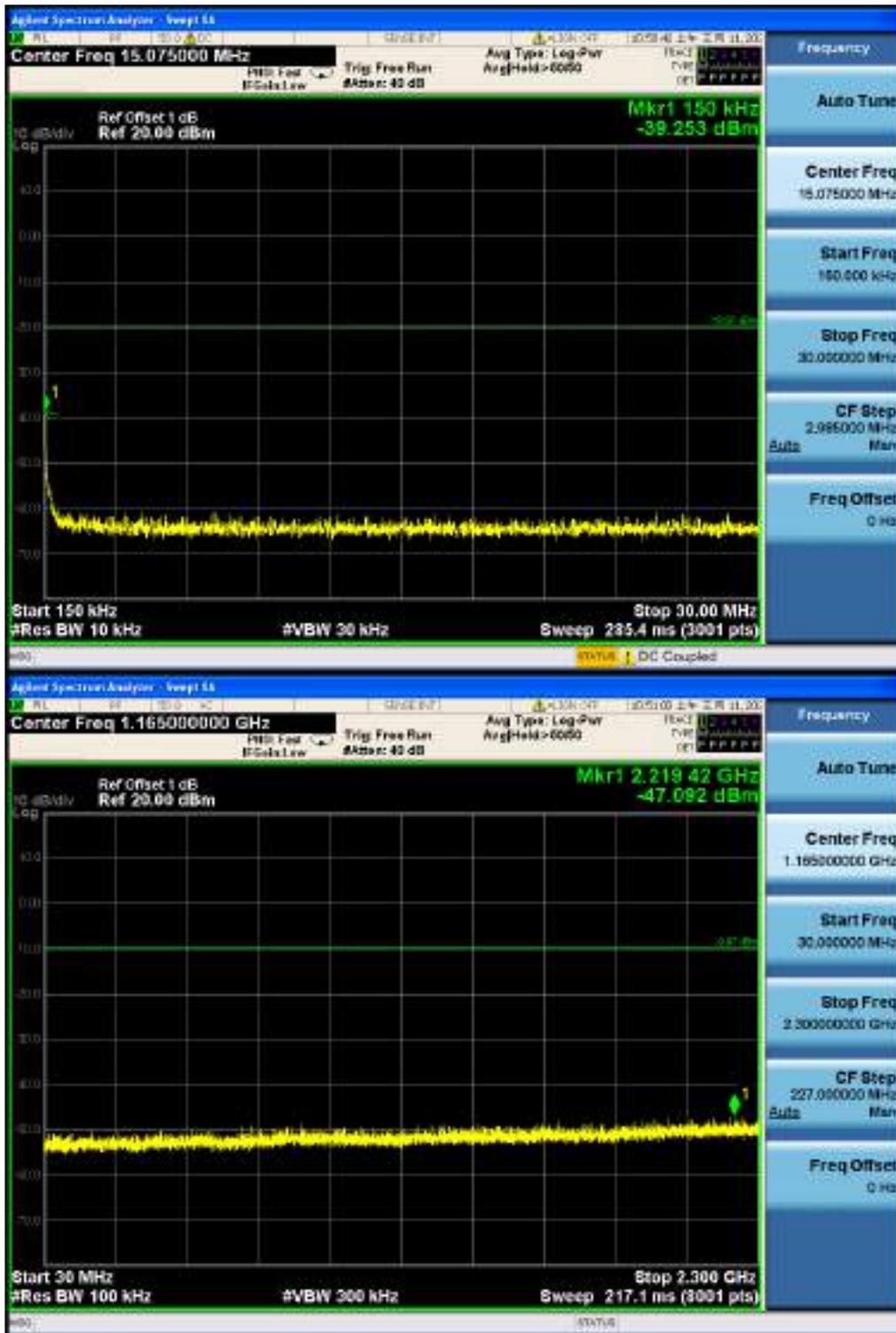
4.8.1.1.6 802.11G\_Highest Channel



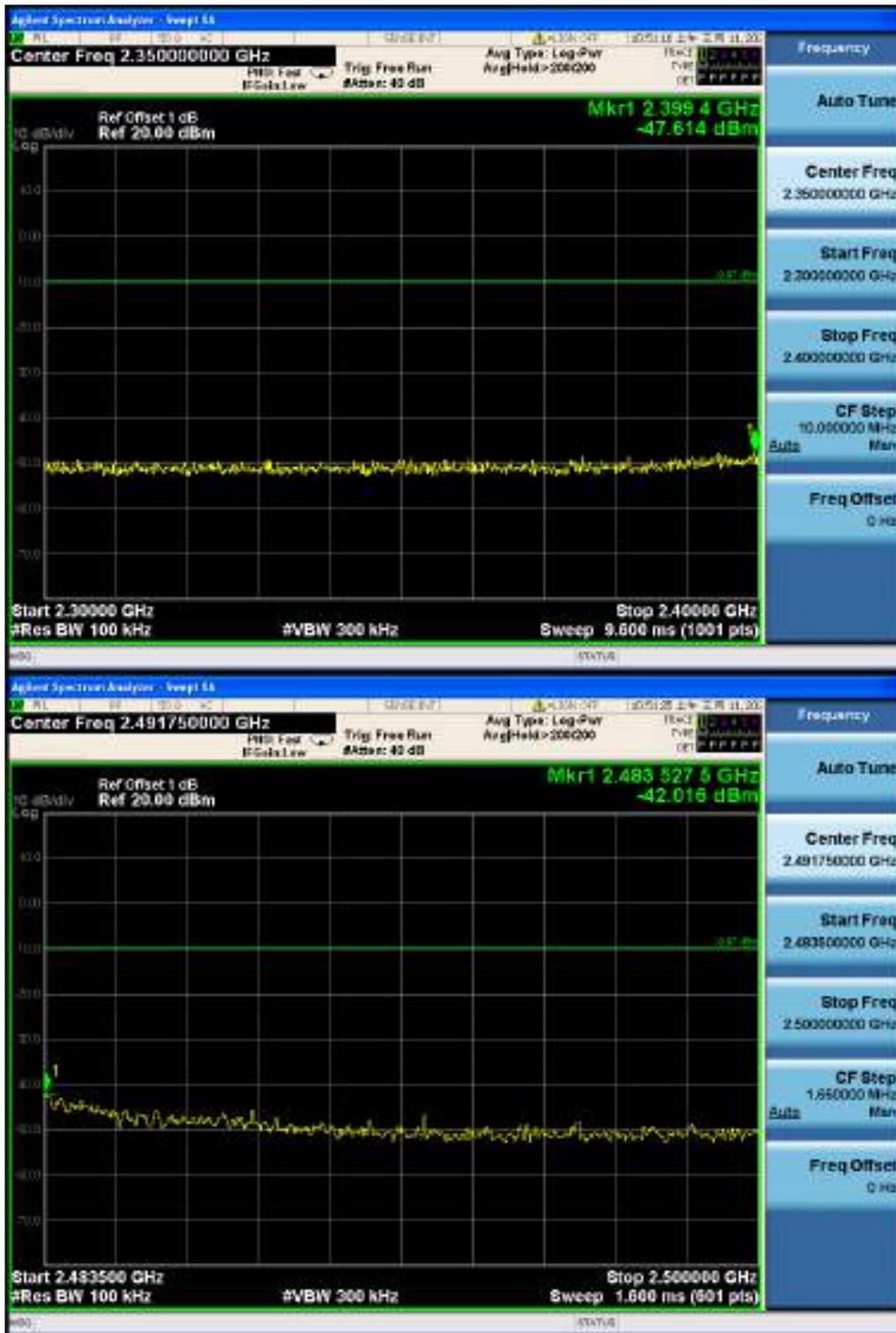
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**4.8.1.1.9 802.11 N20\_Highest Channel**



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**4.8.1.1.11 802.11 N40\_Middle Channel**



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