

5510MHz by 802.11n(40MHz):



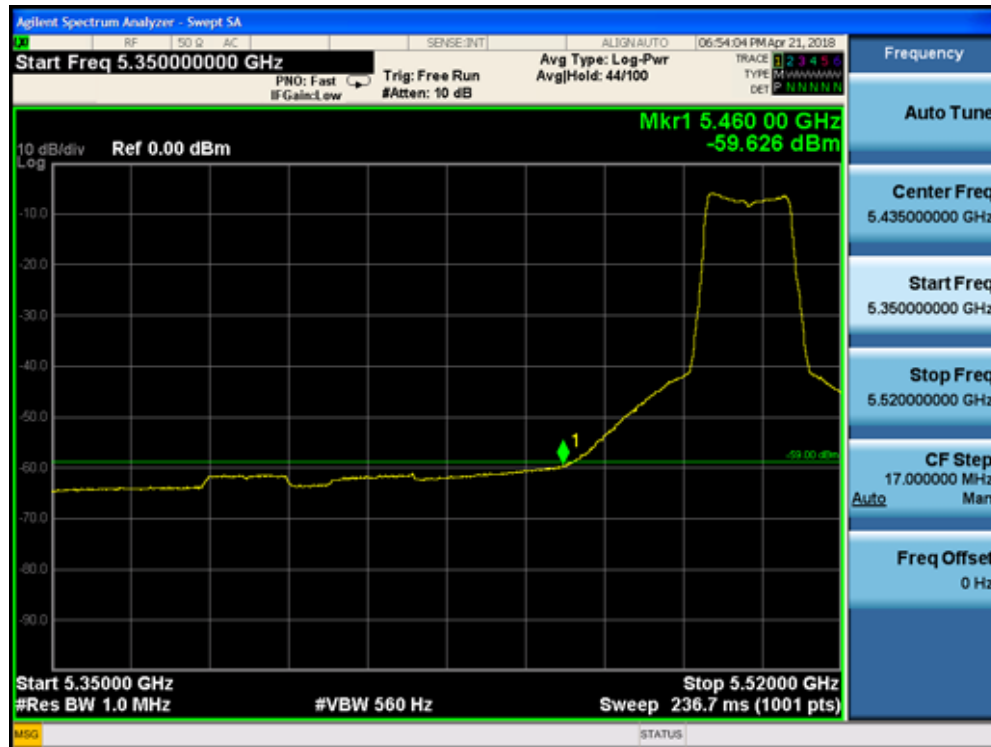
5180MHz by 802.11ac(20MHz):



5320MHz by 802.11ac(20MHz):



5500MHz by 802.11ac(20MHz):



5190MHz by 802.11ac(40MHz):



5310MHz by 802.11ac(40MHz):



5510MHz by 802.11ac(40MHz):



5210MHz by 802.11ac(80MHz):



5290MHz by 802.11ac(80MHz):



5530MHz by 802.11ac(80MHz):



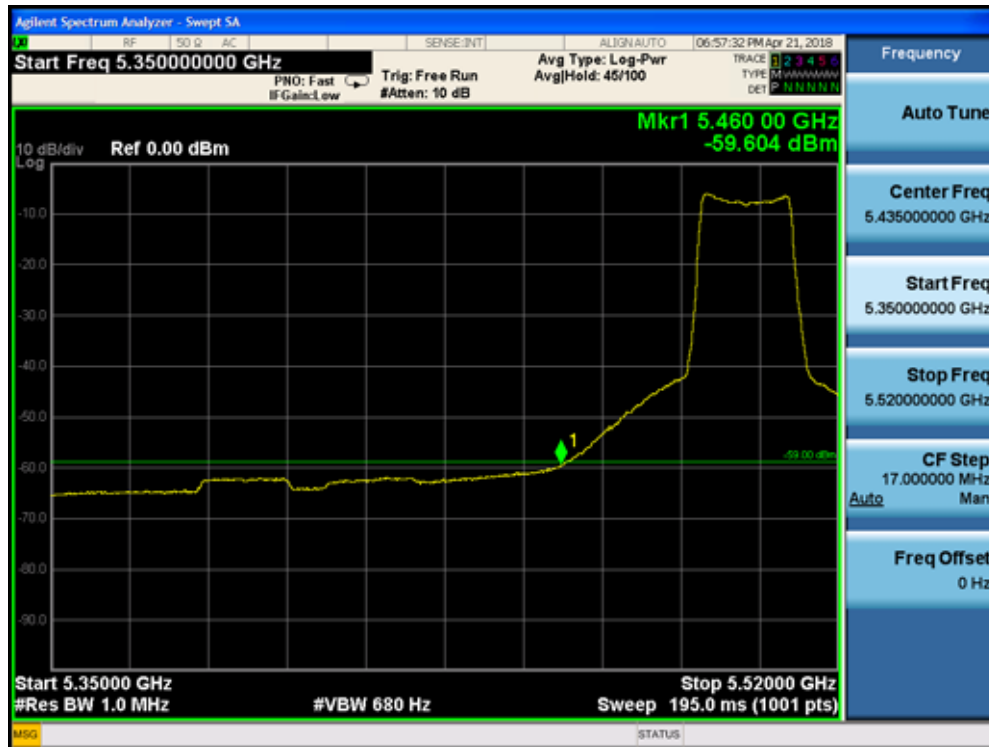
5180MHz by 802.11ax(20MHz):



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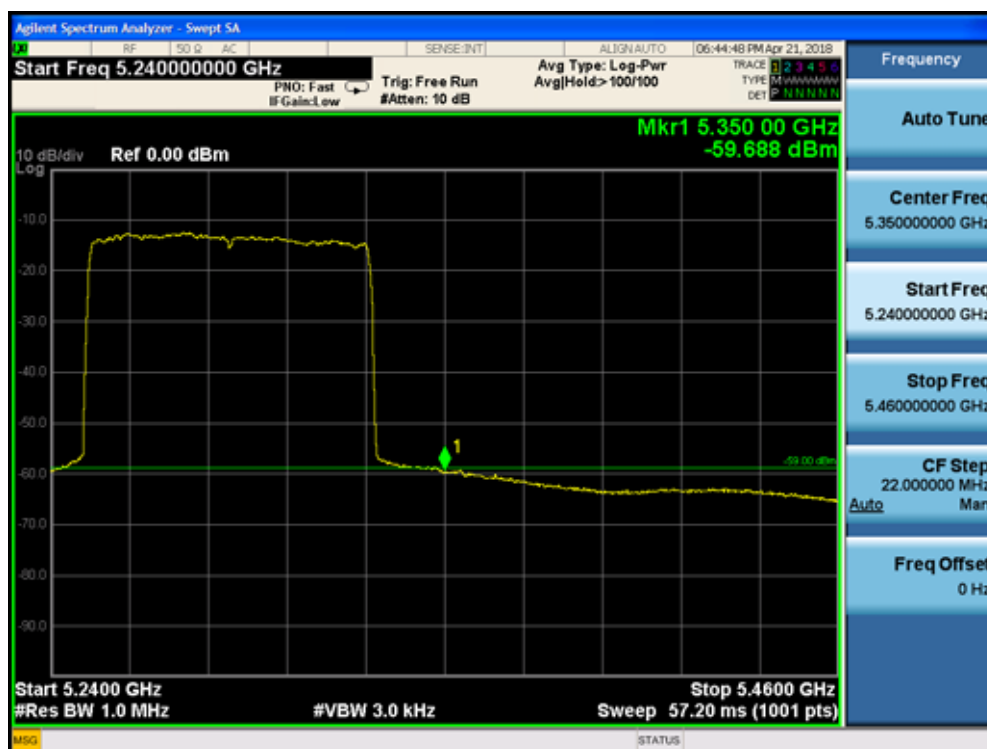
5510MHz by 802.11ax(40MHz):



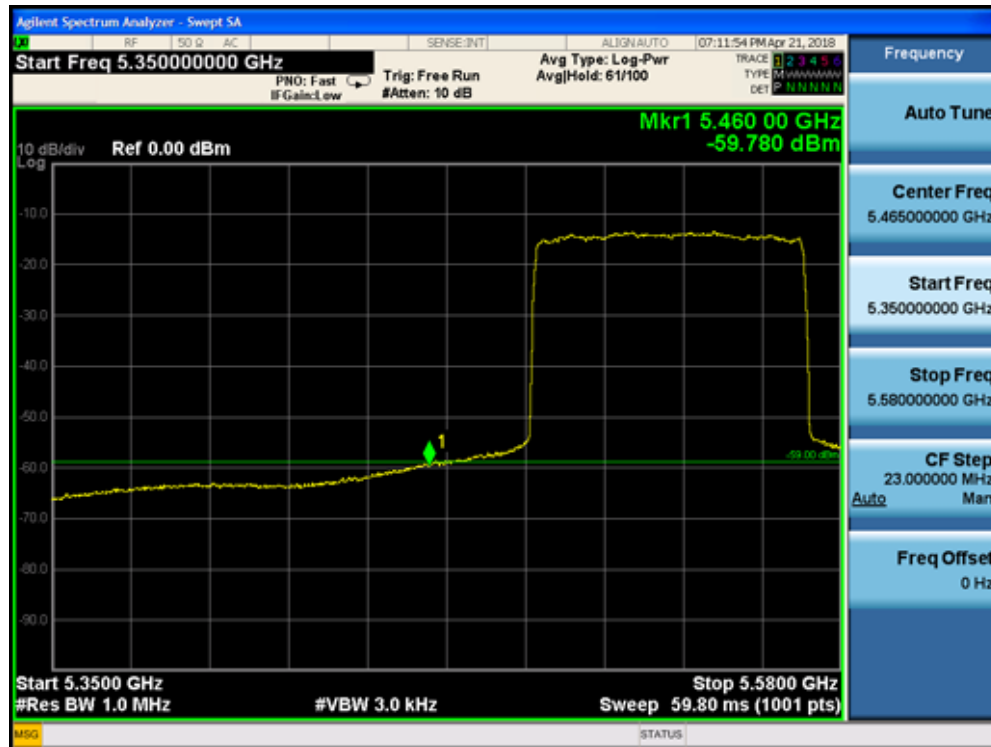
5210MHz by 802.11ax(80MHz):



5290MHz by 802.11ax(80MHz):



5530MHz by 802.11ax(80MHz):



5250MHz by 802.11ax(160MHz):



5570MHz by 802.11ax(160MHz):



PK-Ant 1+2+3+4 with CDD:

Band I PK Limit=74 dBuV/m-95.2-10lg4 (4tx) -11.50 (Directional Gain) -0.23 (cable loss)
=-39dbm

5180MHz by 802.11a:



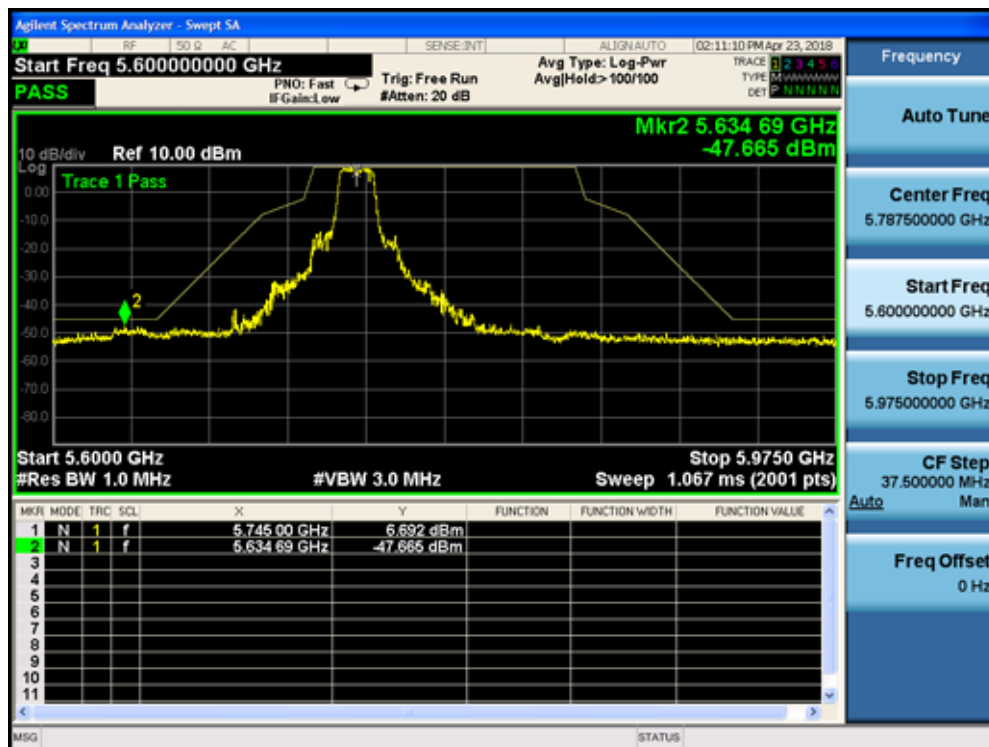
5320MHz by 802.11a:



5500MHz by 802.11a:



5745MHz by 802.11a:



Agilent Spectrum Analyzer - Swept SA

RF 50 G AC SENSE:INT ALIGN:Auto 02:16:24 PM Apr 23, 2018

Start Freq 5.600000000 GHz Avg Type: Log-Pwr AvgHold: >100/100

PASS PNO: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB

TRACE 1 2 3 4 5 6 TYPE M M M M M M M M DET P P P P P P P P

10 dB/div Ref 10.00 dBm

Trace 1 Pass

Mkr3 5.950 63 GHz -50.389 dBm

Start 5.6000 GHz Stop 5.9750 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.067 ms (2001 pts)

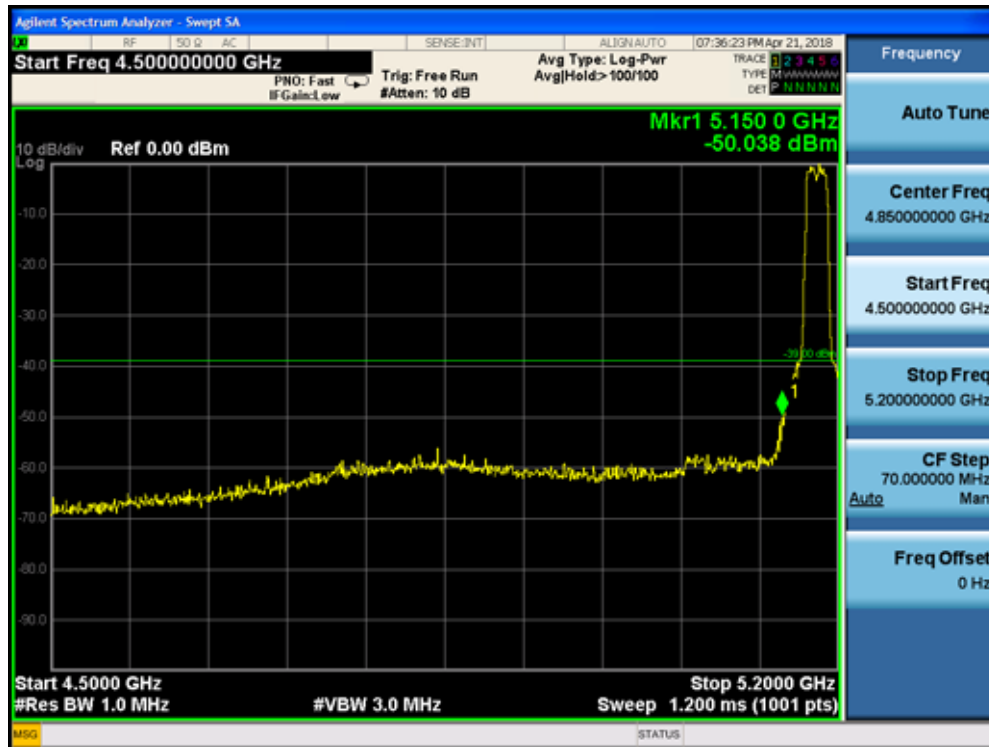
MKR	MODE	TRIG	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.785 00 GHz	-6.071 dBm			
2	N	1	f	5.631 88 GHz	-49.742 dBm			
3	N	1	f	5.950 63 GHz	-50.389 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 5.787500000 GHz Start Freq 5.600000000 GHz Stop Freq 5.975000000 GHz CF Step 37.500000 MHz Man Freq Offset 0 Hz

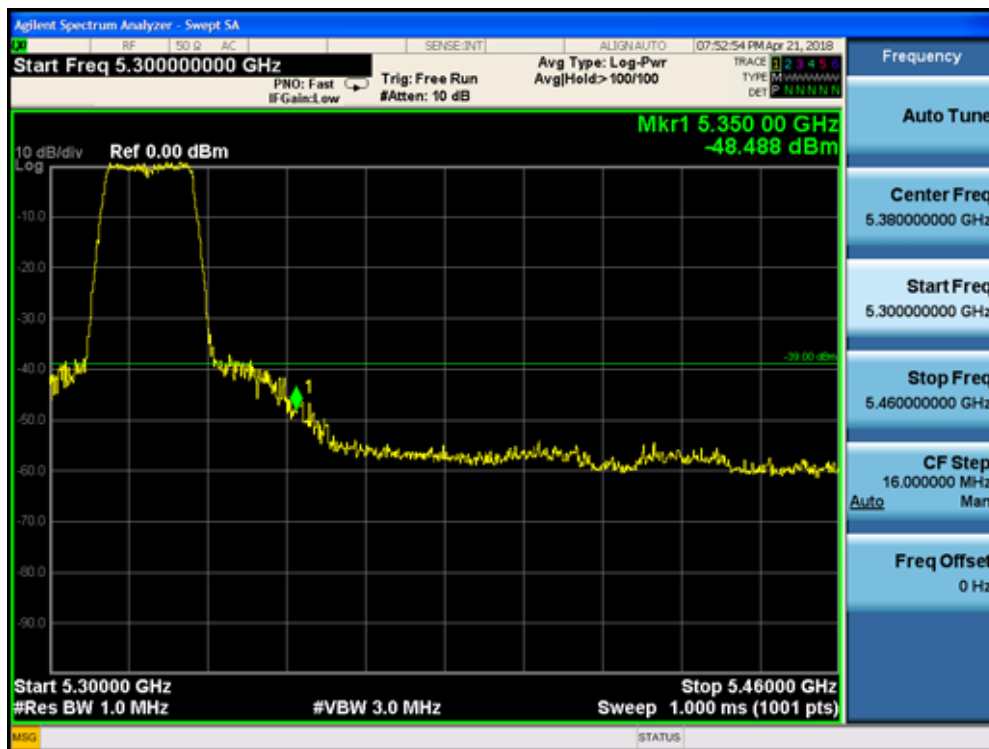
The screenshot displays the Agilent Spectrum Analyzer interface. The main window shows a swept spectrum plot with a yellow trace. A green box highlights the peak at 5.93450 GHz with a power level of -49.074 dBm. The plot has a logarithmic scale (Log) and a reference level of 10.00 dBm. The frequency range is from 5.60000000 GHz to 5.97500000 GHz. The resolution bandwidth (Res BW) is 1.0 MHz, and the sweep time is 1.067 ms (2001 pts). The interface includes various control panels on the right for Frequency, Auto Tune, Center Freq, Start Freq, Stop Freq, CF Step, and Freq Offset.

Mkr	Mode	Freq	Power
1	N	5.825 00 GHz	-6.982 dBm
2	N	5.934 50 GHz	-49.074 dBm

5180MHz by 802.11n(20MHz):



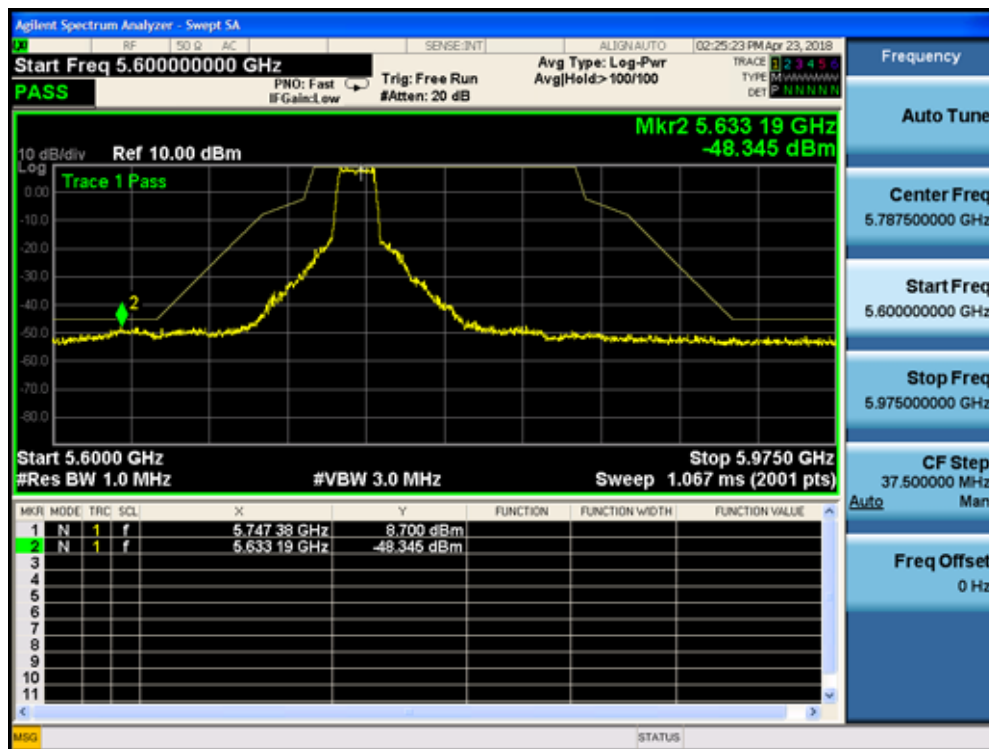
5320MHz by 802.11n(20MHz):



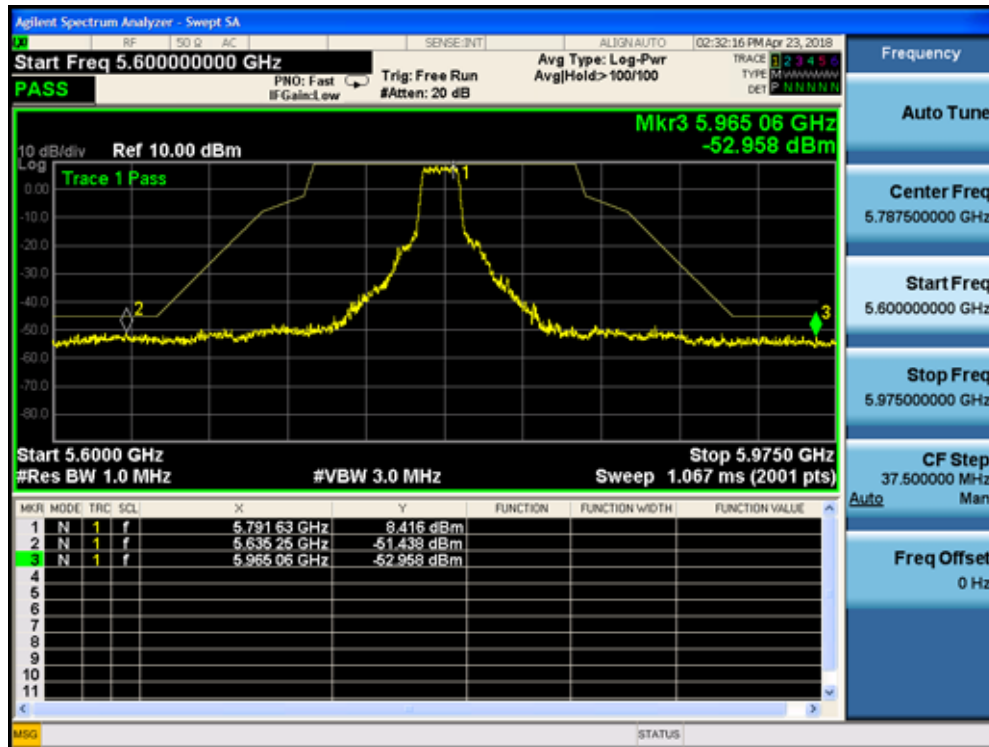
5500MHz by 802.11n(20MHz):



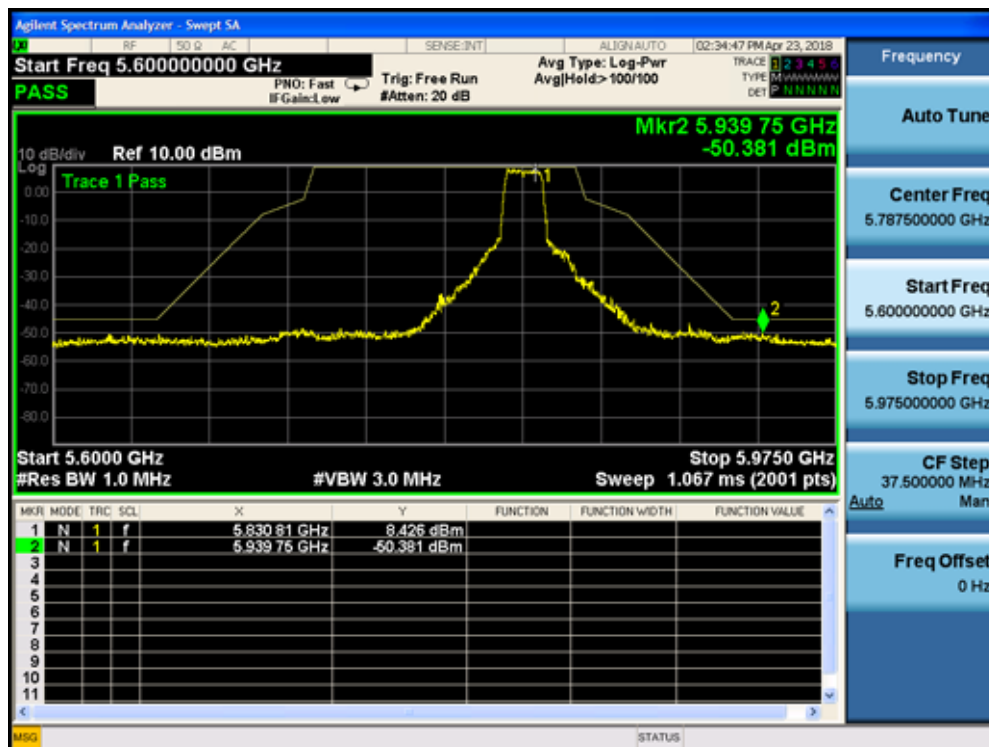
5745MHz by 802.11n(20MHz):



5785MHz by 802.11n(20MHz):



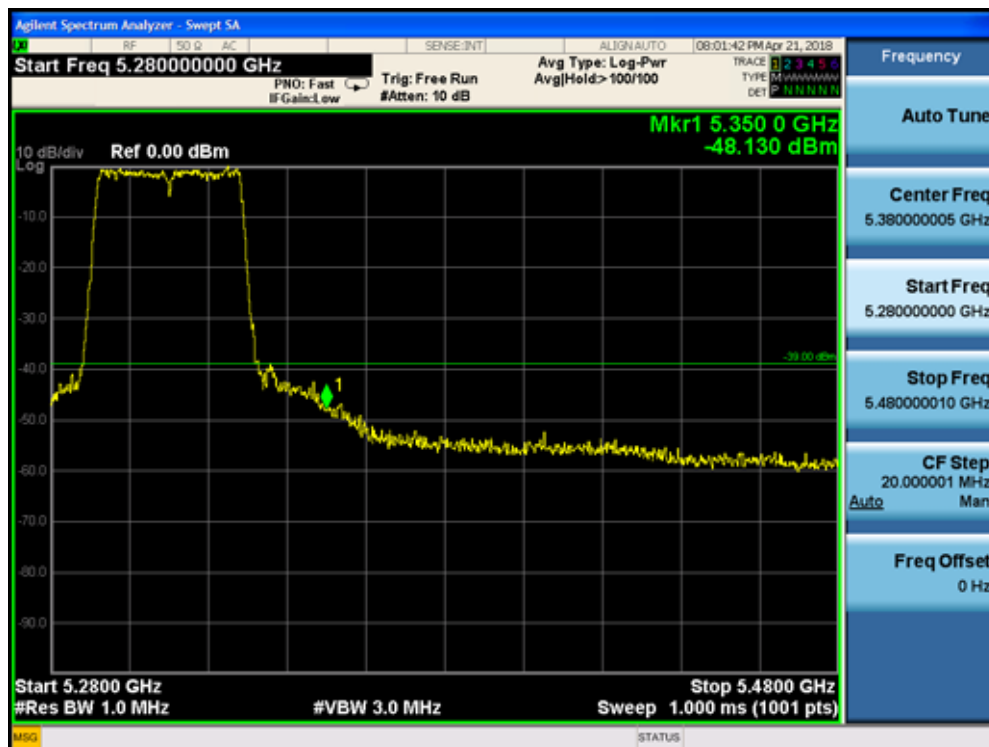
5825MHz by 802.11n(20MHz):



5190MHz by 802.11n(40MHz):



5310MHz by 802.11n(40MHz):



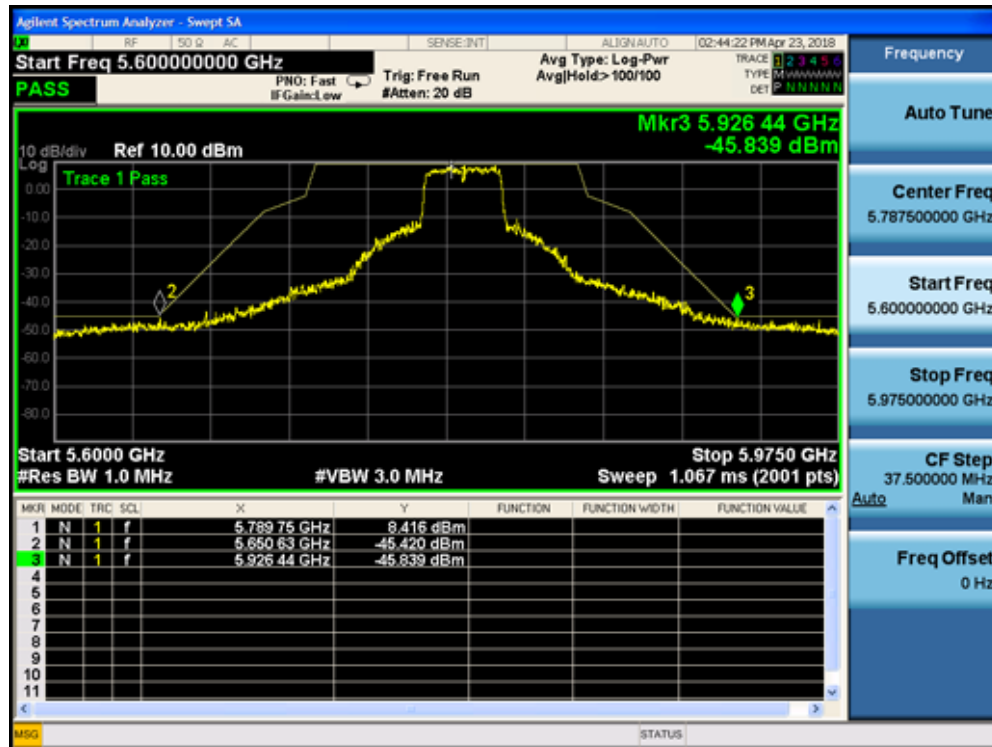
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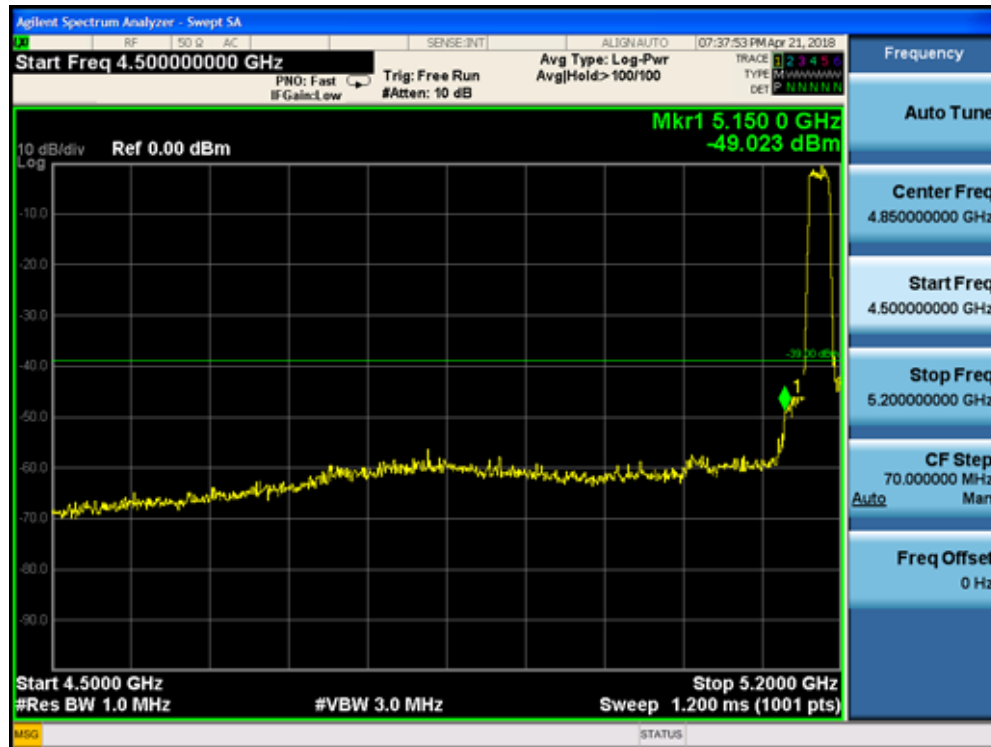
5755MHz by 802.11n(40MHz):



5795MHz by 802.11n(40MHz):



5180MHz by 802.11ac(20MHz):



5320MHz by 802.11ac(20MHz):



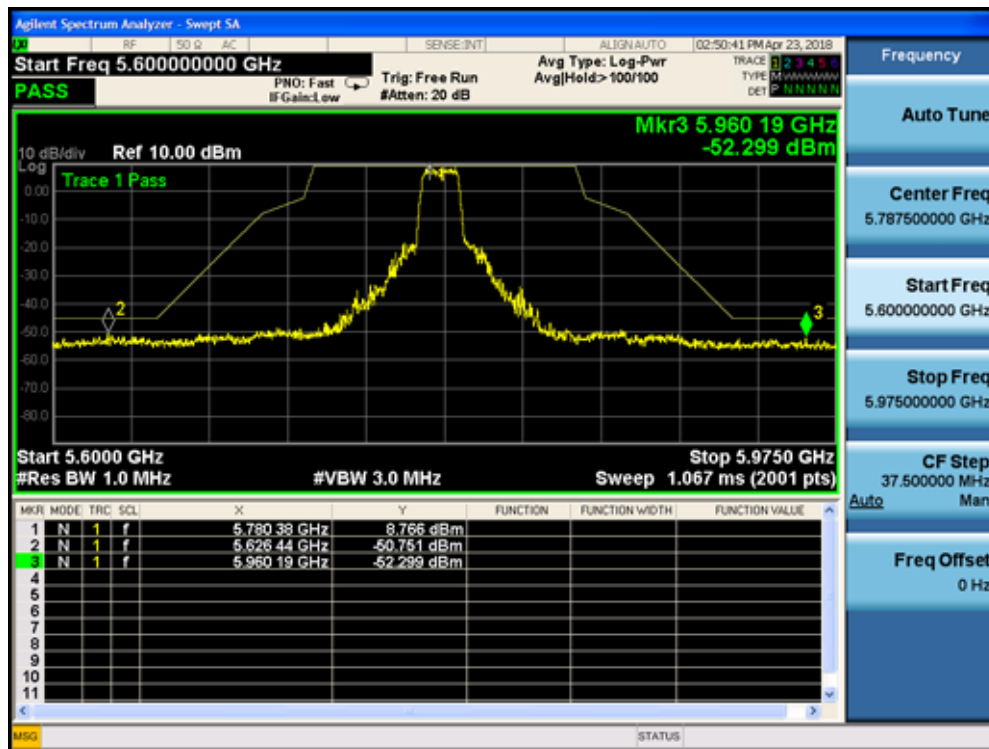
5500MHz by 802.11ac(20MHz):



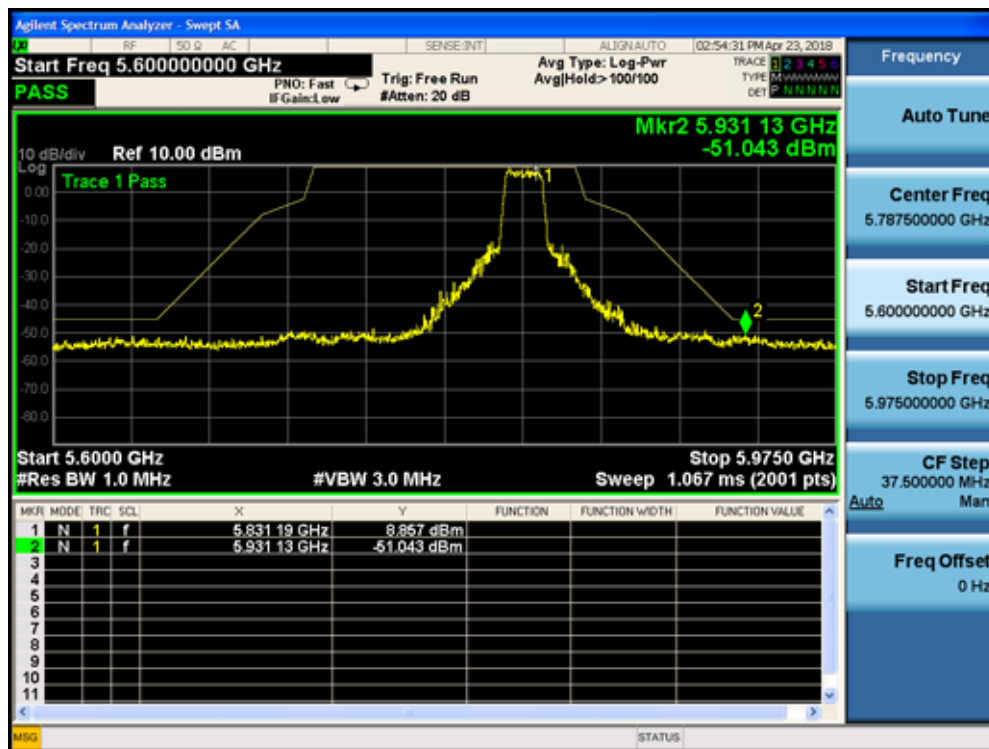
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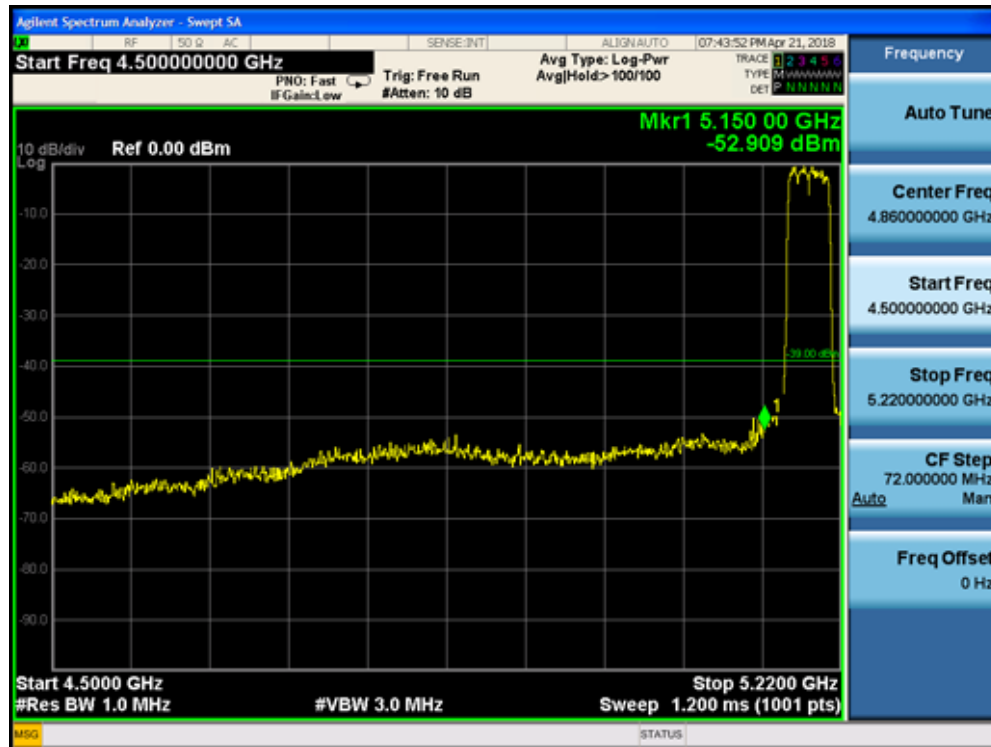
5785MHz by 802.11ac(20MHz):



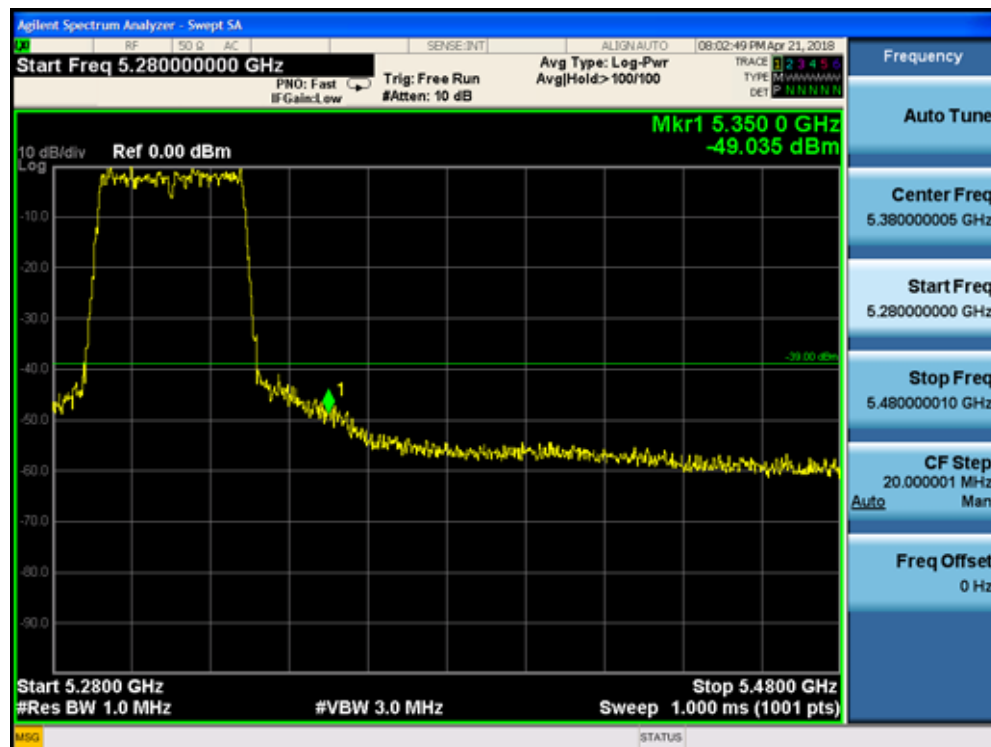
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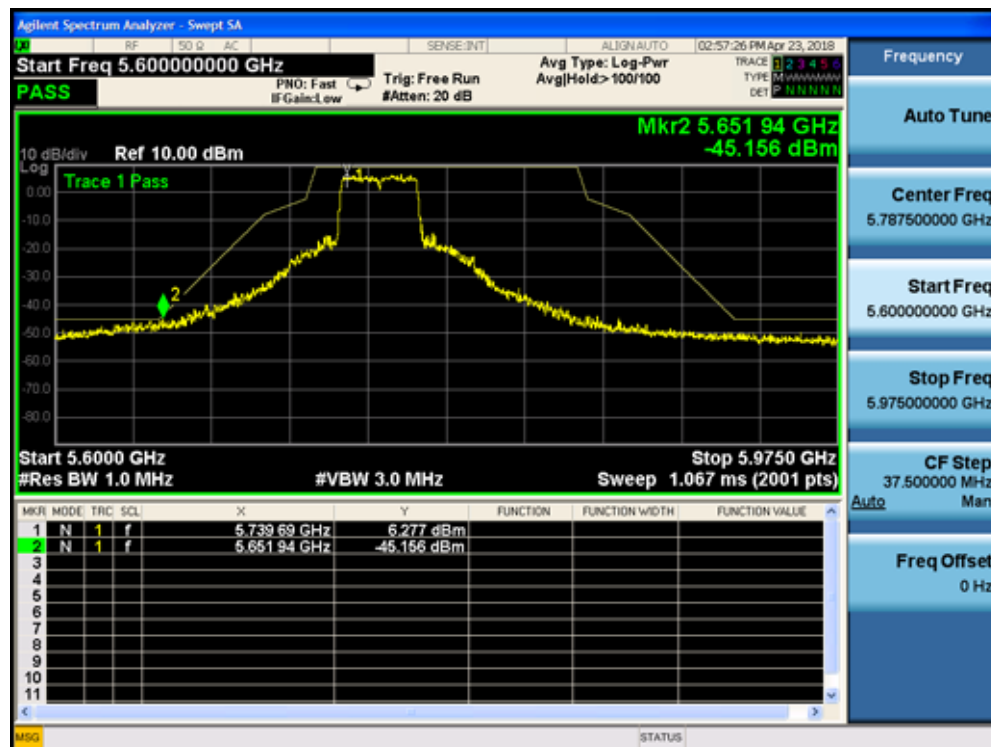
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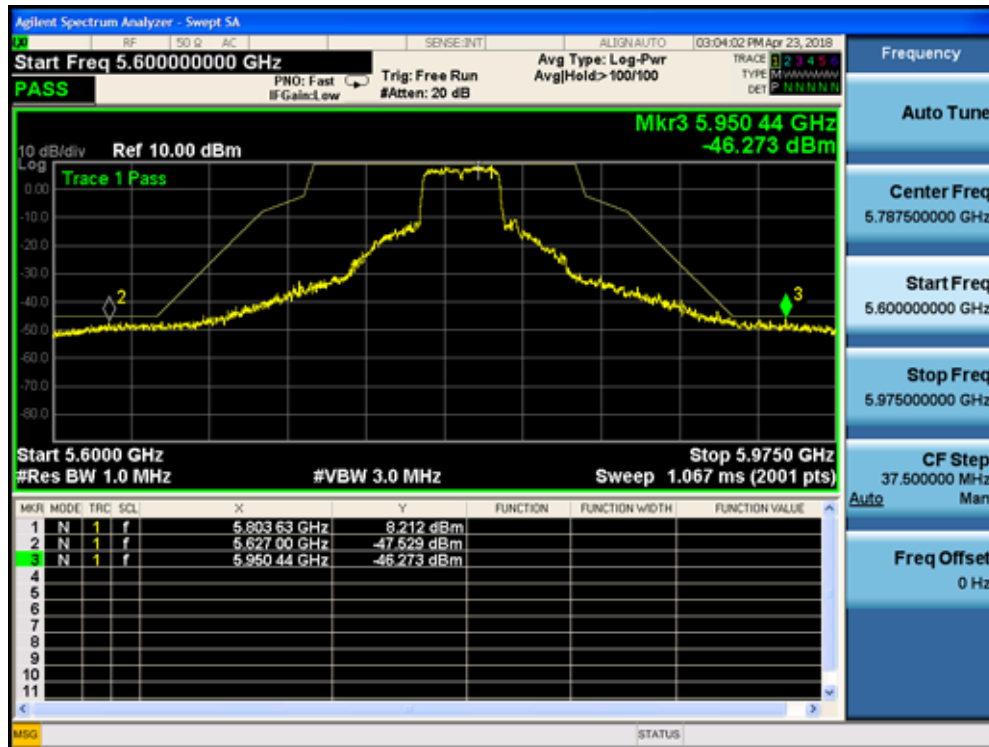
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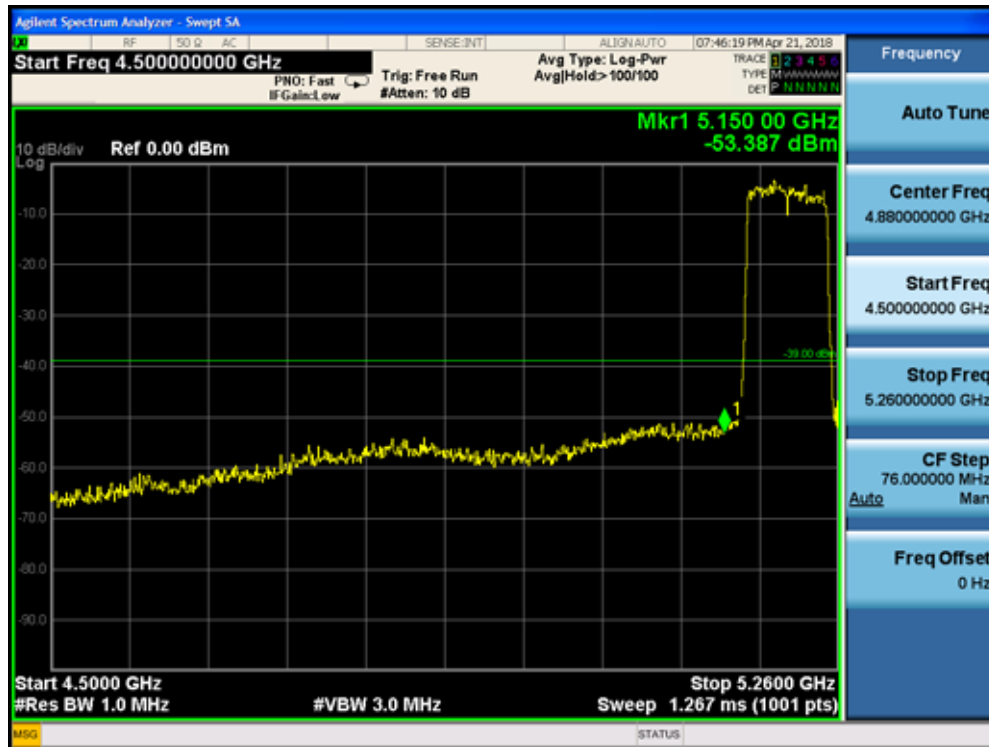
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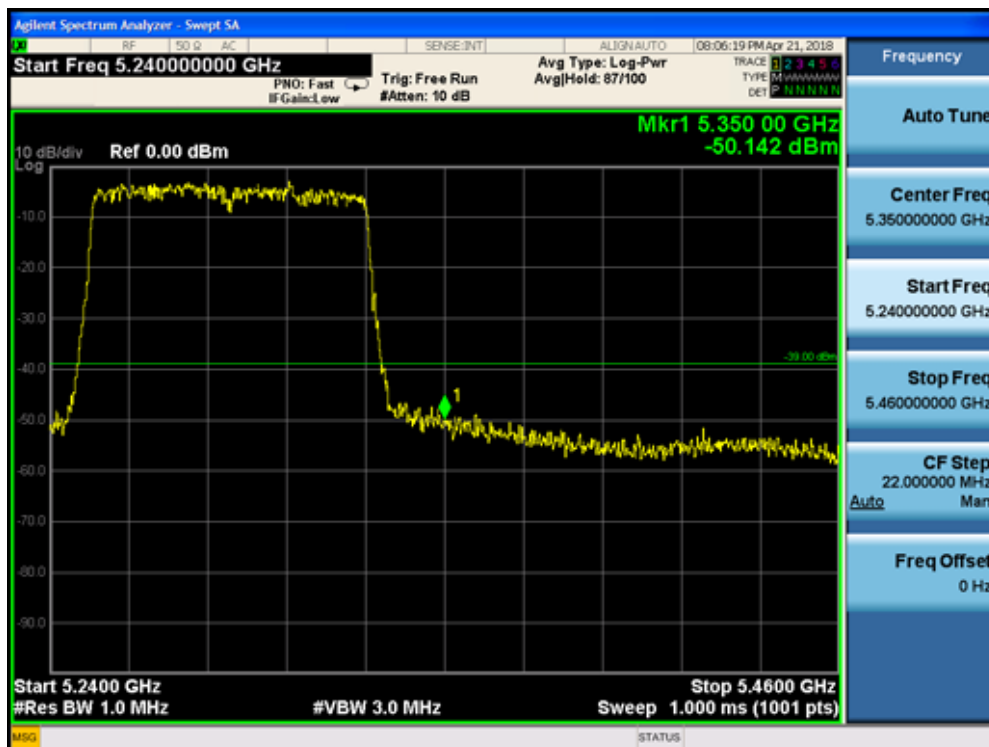
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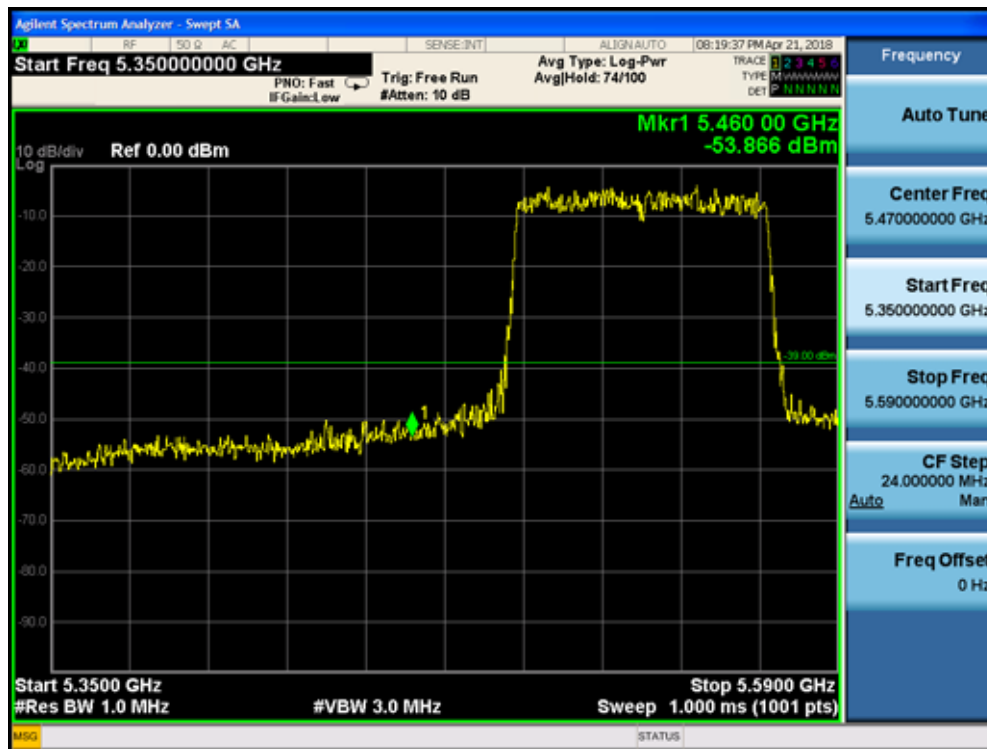
5210MHz by 802.11ac(80MHz):



5290MHz by 802.11ac(80MHz):



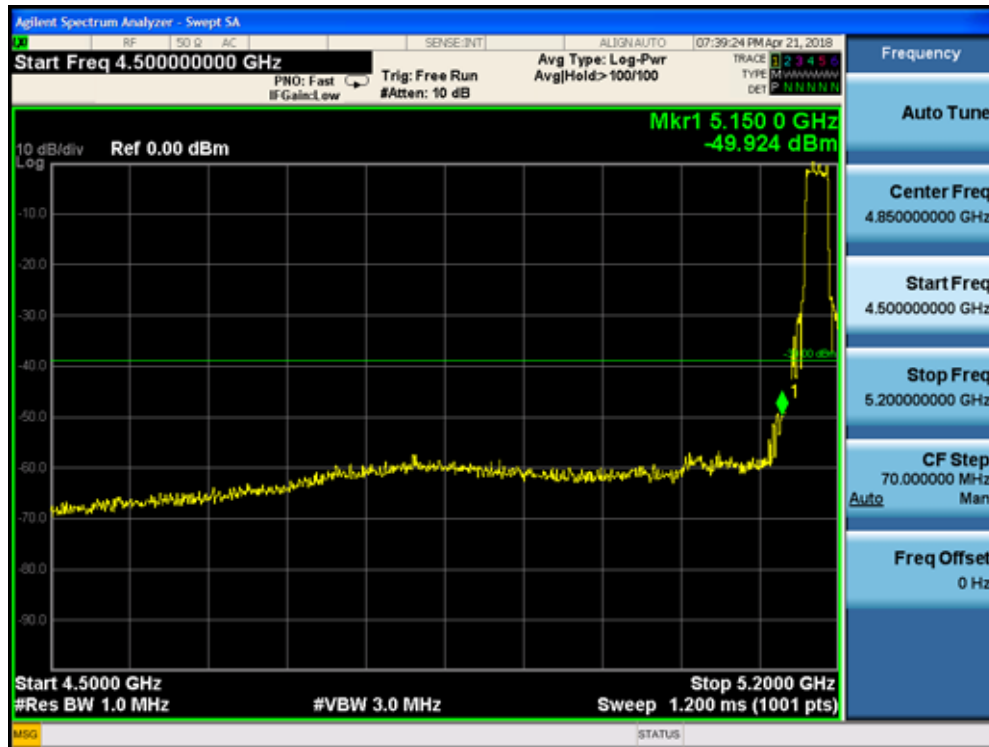
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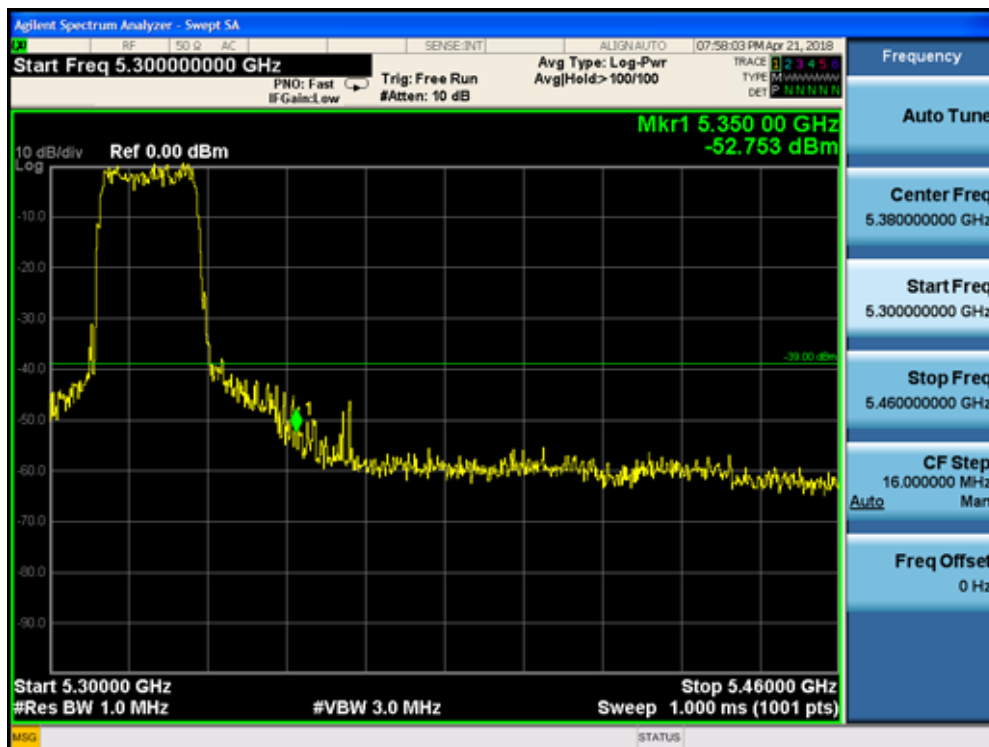
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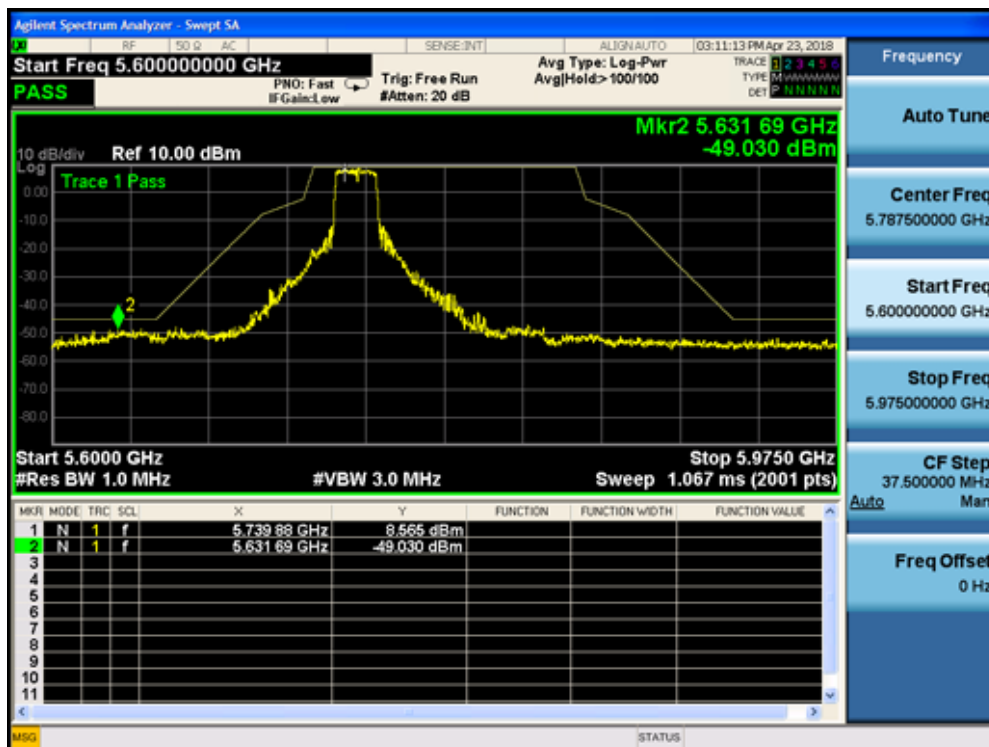
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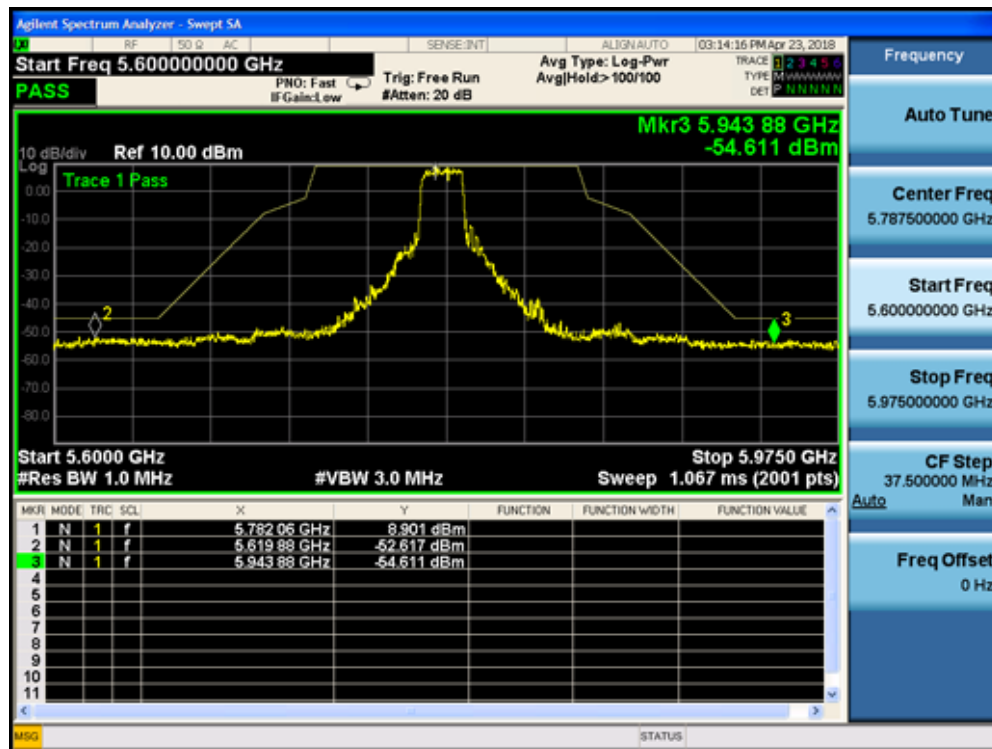
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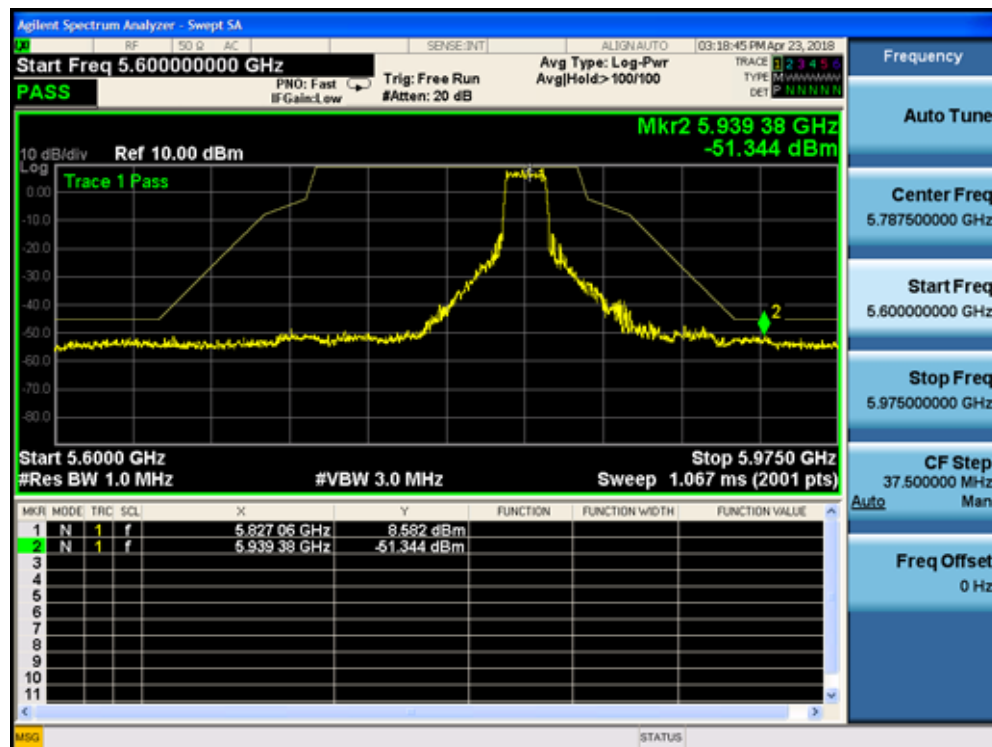
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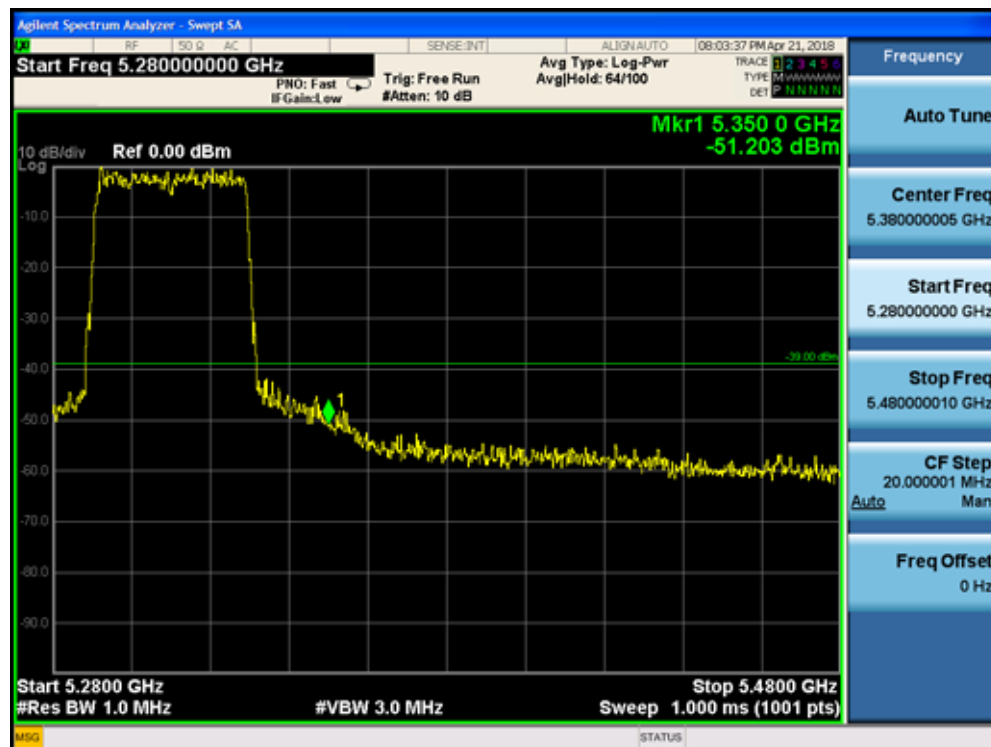
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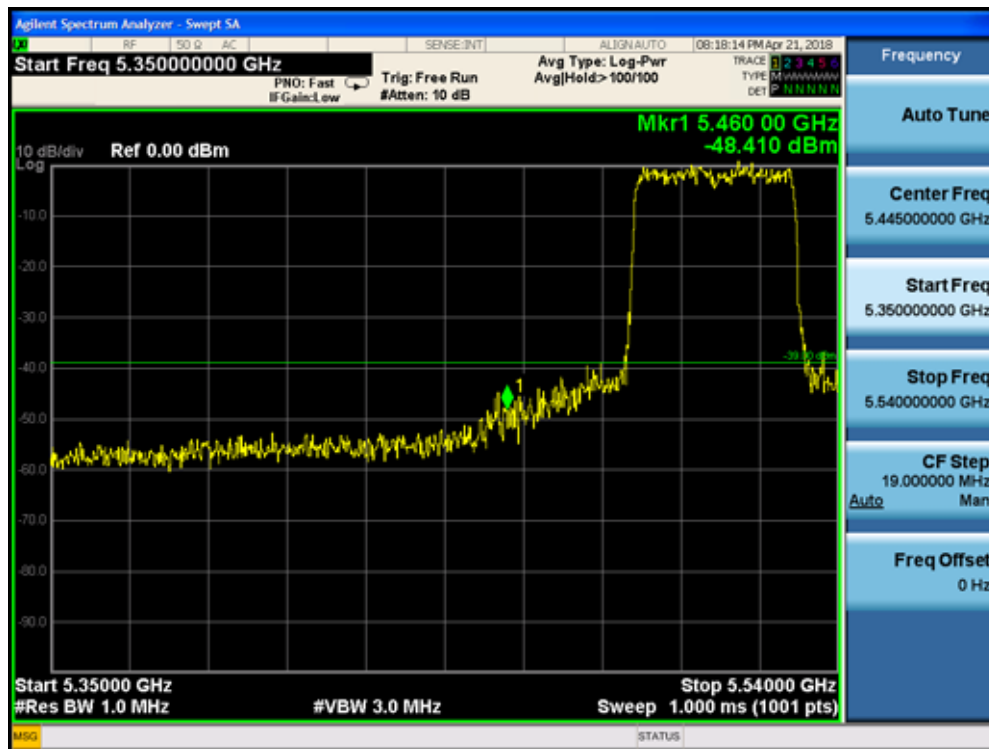
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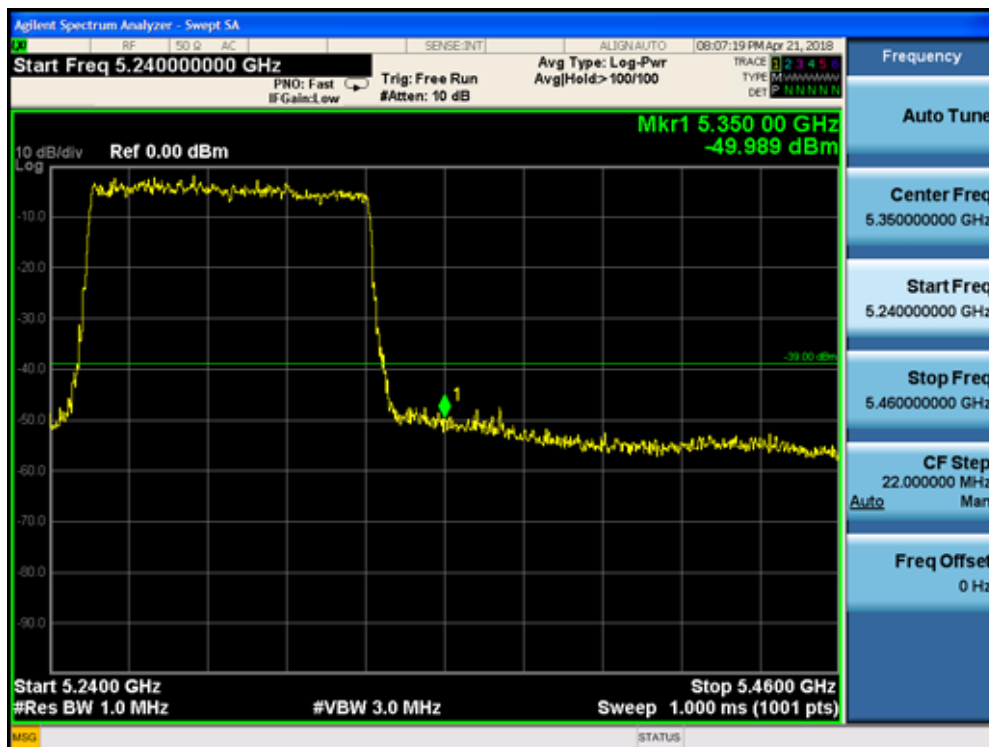
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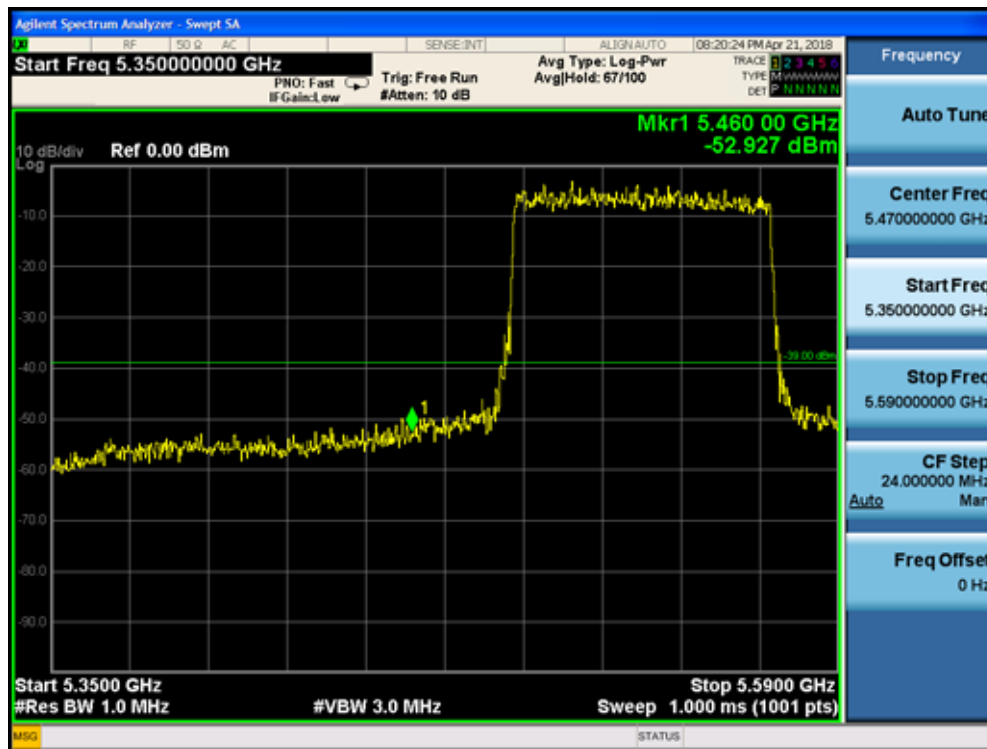
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5570MHz by 802.11ax(160MHz)



AV-Ant 1+2 with Beam-forming:

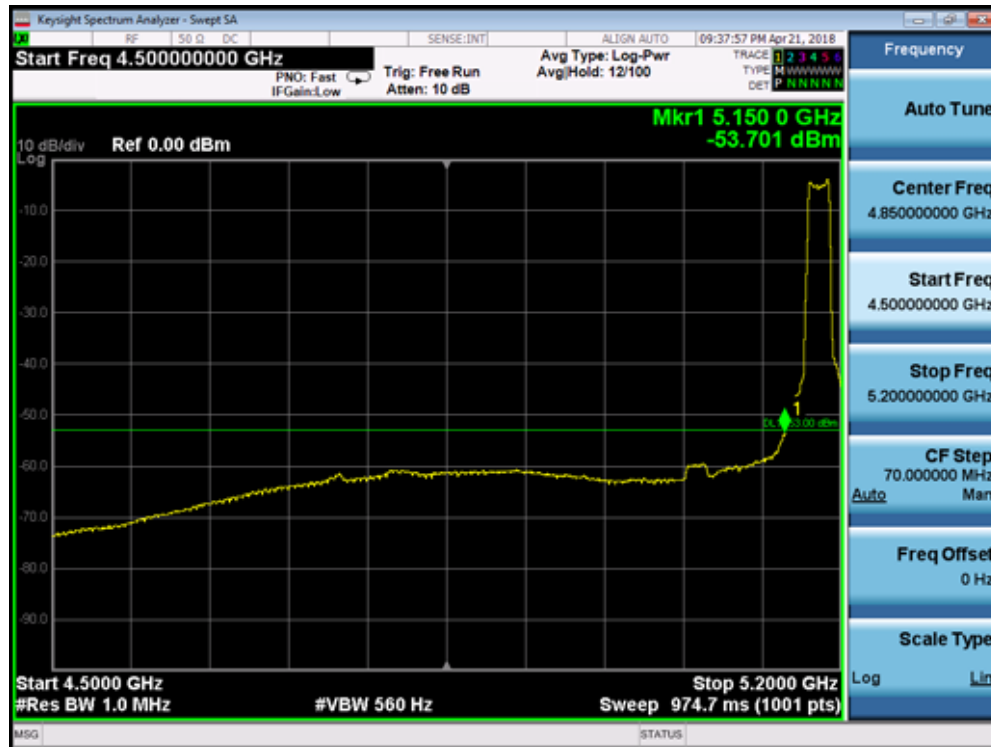
Band I AV Limit=54 dBuV/m-95.2-10lg2(2tx)-8.5(Directional Gain)-0.17(cable loss)=-53dbm
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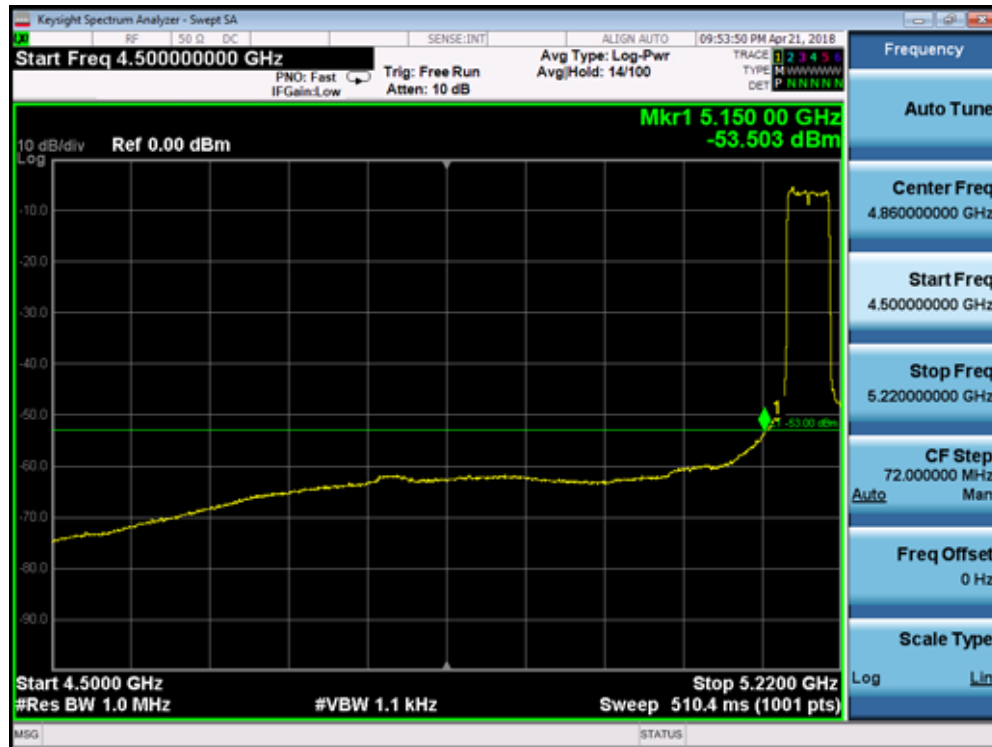
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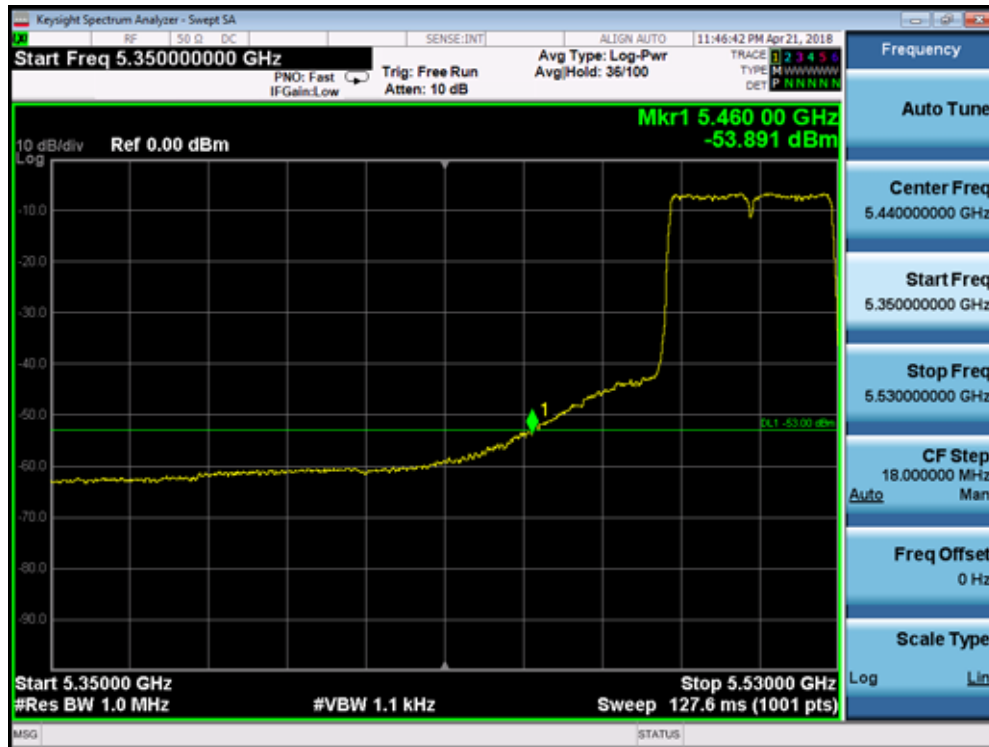
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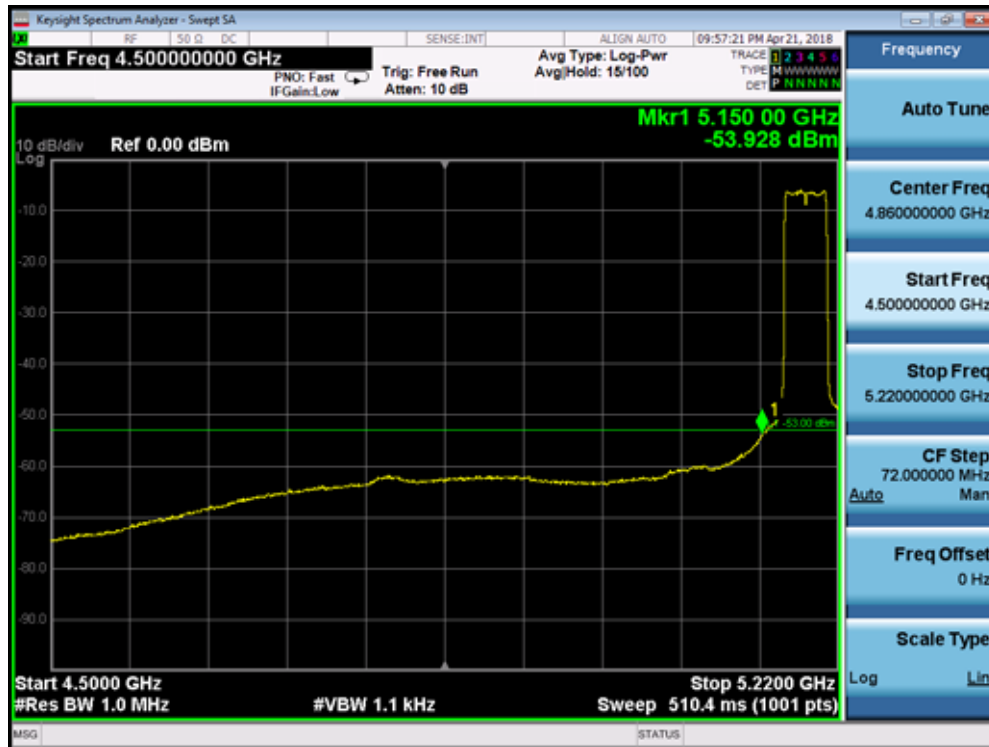
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