

5510MHz by 802.11n(40MHz):



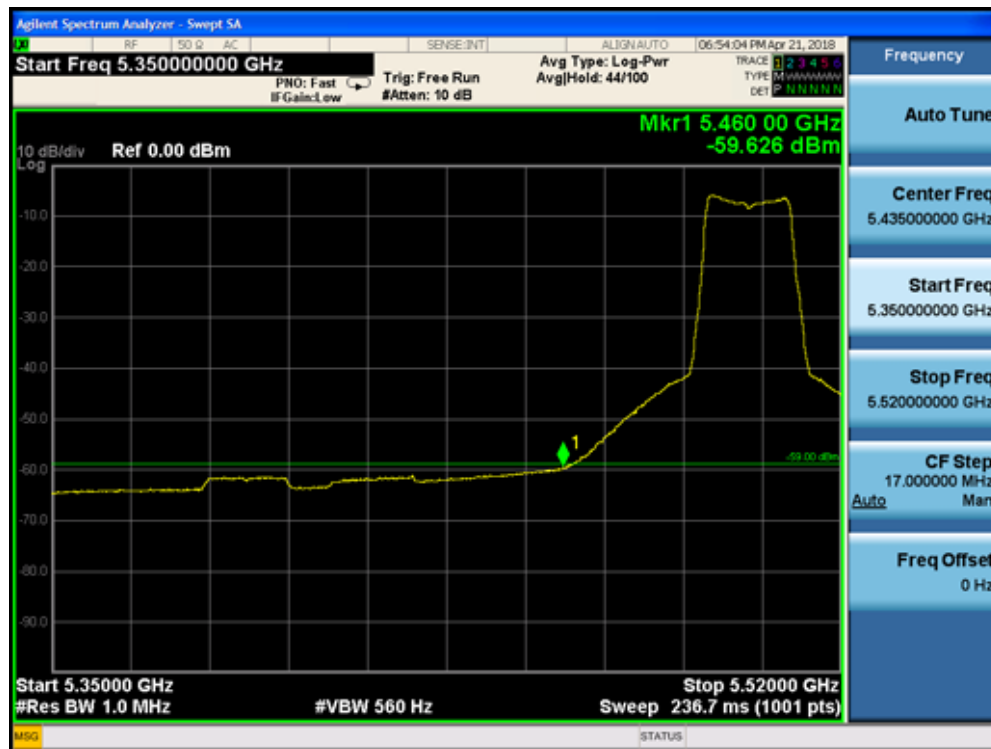
5180MHz by 802.11ac(20MHz):



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):



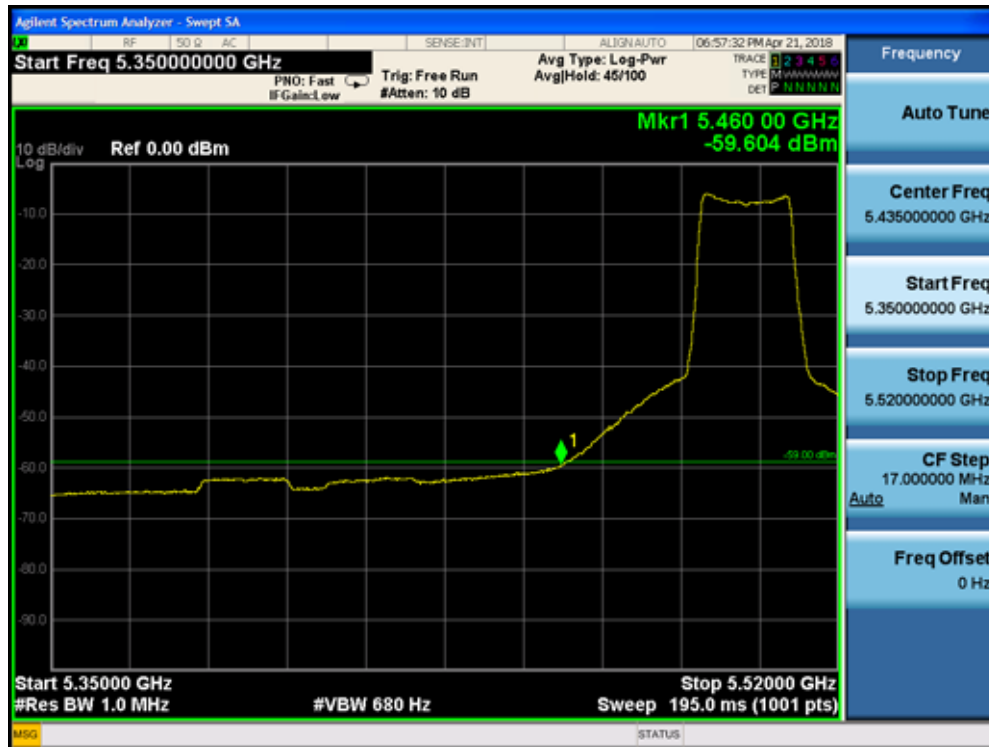
5180MHz by 802.11ax(20MHz):



5320MHz by 802.11ax(20MHz):



5500MHz by 802.11ax(20MHz):



5190MHz by 802.11ax(40MHz):



5310MHz by 802.11ax(40MHz):



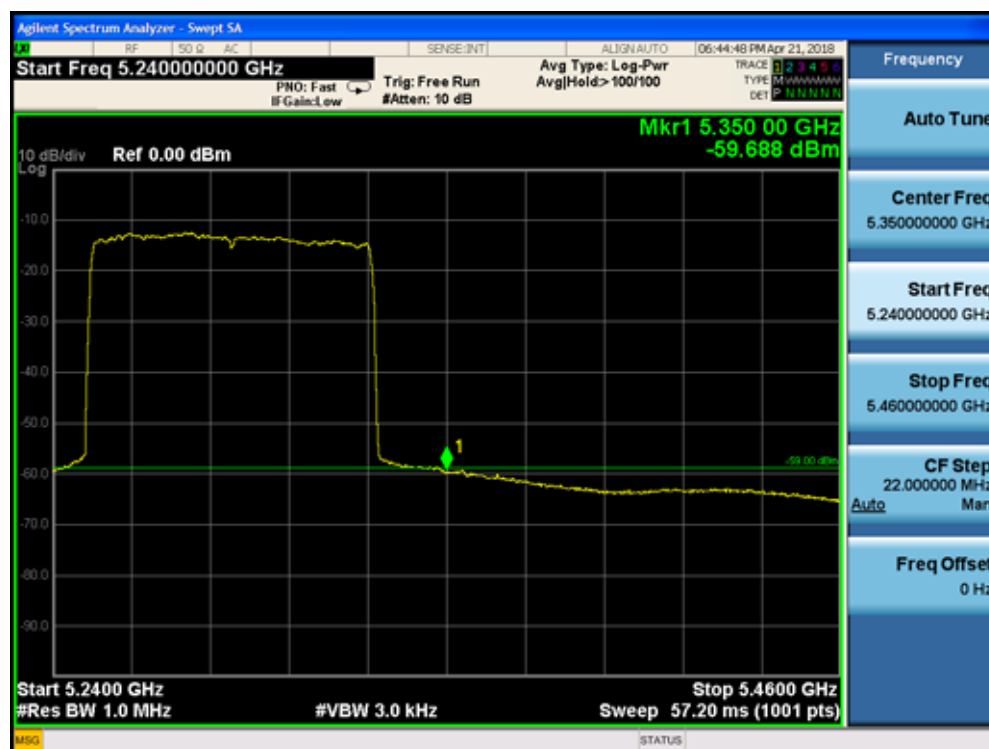
5510MHz by 802.11ax(40MHz):



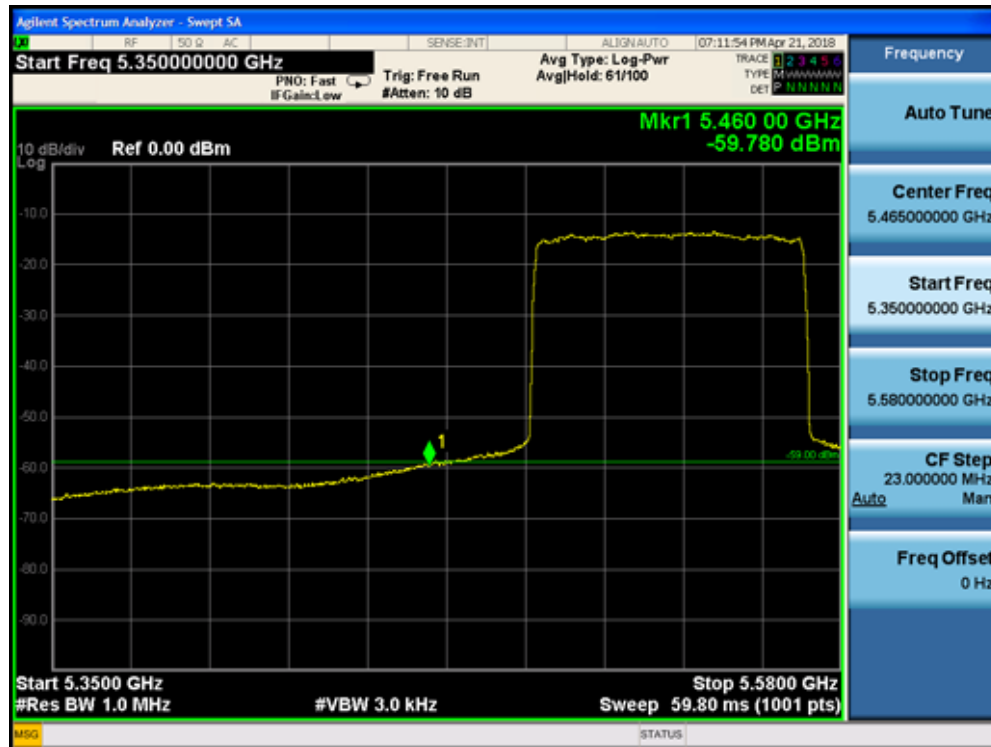
5210MHz by 802.11ax(80MHz):



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:



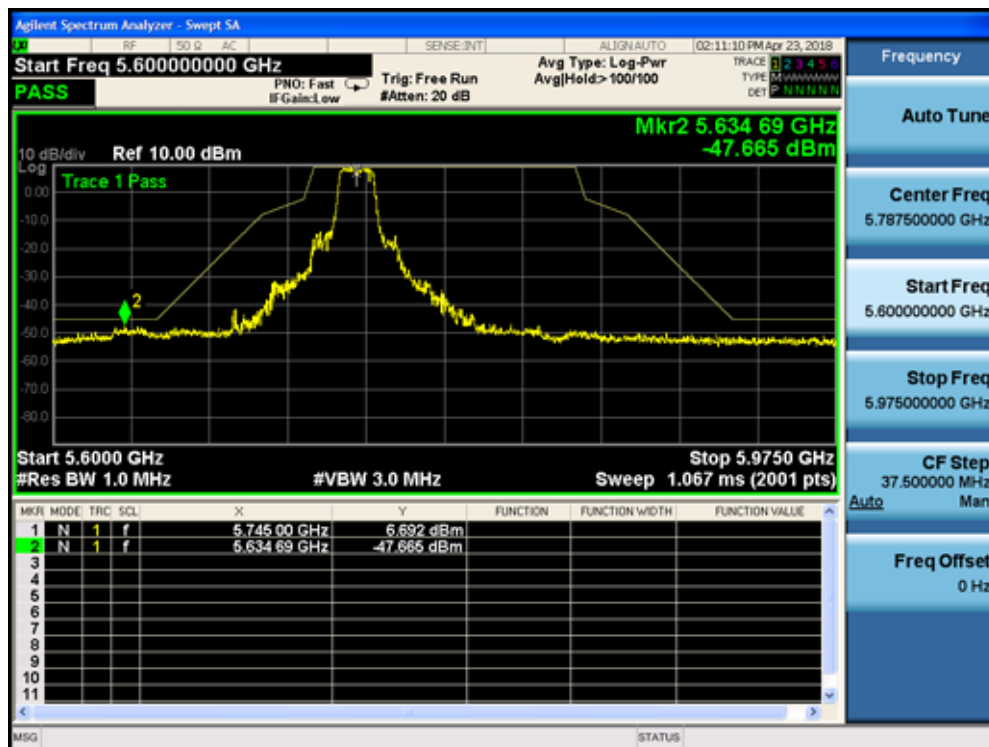
5320MHz by 802.11a:



5500MHz by 802.11a:



5745MHz by 802.11a:



Agilent Spectrum Analyzer - Sweep SA

Start Freq 5.60000000 GHz

PASS

PN0: Fast
IF Gain: Low

Trig: Free Run
#Atten: 20 dB

Avg Type: Log-Pwr
Avg/Hold: 100/100

02:16:24 PM Apr 23, 2018

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

Frequency

Auto Tune

Center Freq
5.787500000 GHz

Start Freq
5.600000000 GHz

Stop Freq
5.975000000 GHz

CF Step
37.500000 MHz

Freq Offset
0 Hz

10 dB/div Ref 10.00 dBm

Log

Trace 1 Pass

Mkr3 5.950 63 GHz
-50.389 dBm

Start 5.6000 GHz
#Res BW 1.0 MHz

Stop 5.9750 GHz
Sweep 1.067 ms (2001 pts)

#VBW 3.0 MHz

MKR	MODE	TRC	SCL	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								

MSG

STATUS

Agilent Spectrum Analyzer - Swept SA

RF 150.0 AC SENSE INT ALIGN AUTO 02:21:33 PM Apr 23, 2018

Start Freq 5.600000000 GHz Avg Type: Log-Pwr
 #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.067 ms (2001 pts)

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

TRACE 1 2 3 4 5
 TYPE Main/Misc
 DET P N N N N N

10 dB/div Ref 10.00 dBm

Trace 1 Pass

Mkr2 5.934 50 GHz
 -49.074 dBm

MKR	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.825 00 GHz	6.982 dBm			
2	N	1	f	5.934 50 GHz	-49.074 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Start 5.6000 GHz Stop 5.9750 GHz
 #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.067 ms (2001 pts)

Frequency

Auto Tune

Center Freq
 5.787500000 GHz

Start Freq
 5.600000000 GHz

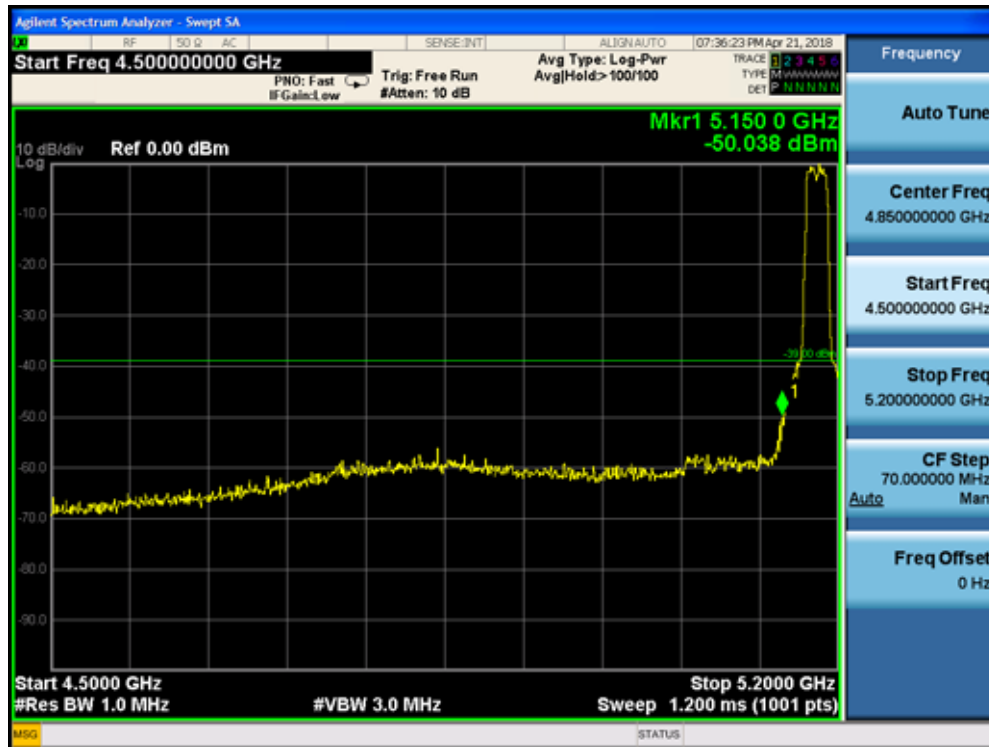
Stop Freq
 5.975000000 GHz

CF Step
 37.500000 MHz

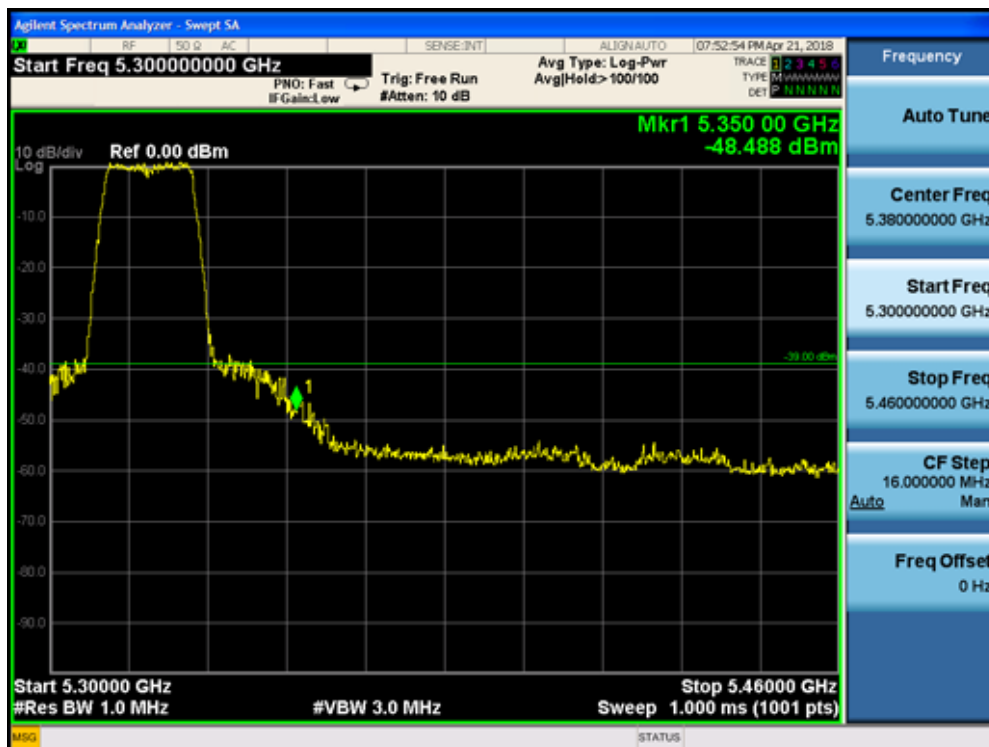
Auto Man

Freq Offset
 0 Hz

5180MHz by 802.11n(20MHz):



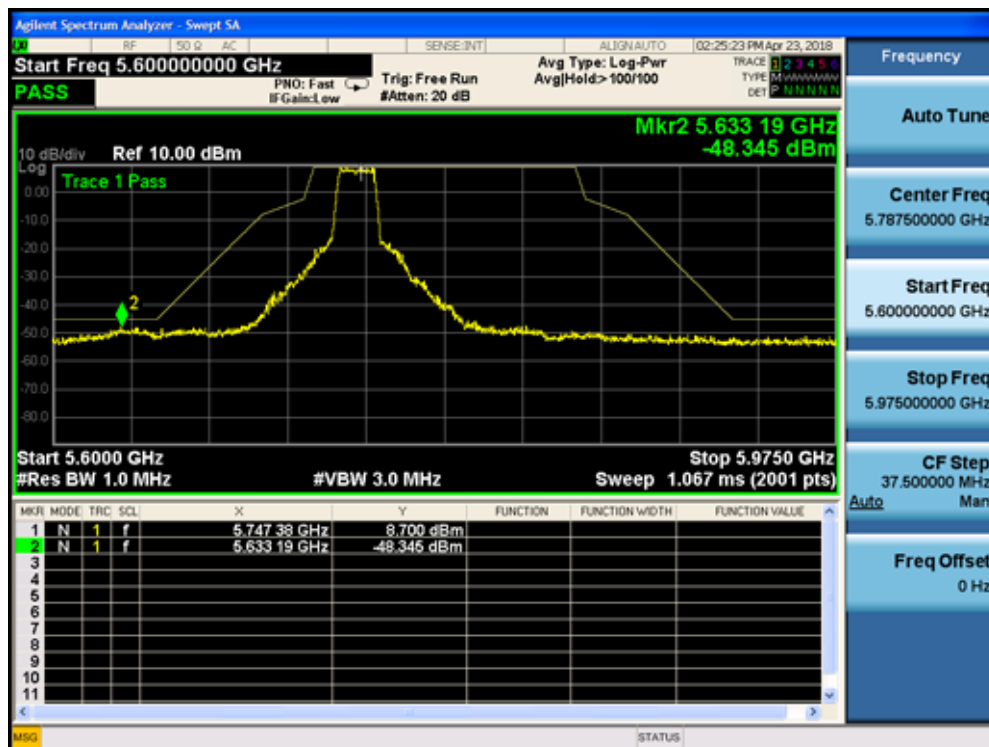
5320MHz by 802.11n(20MHz):



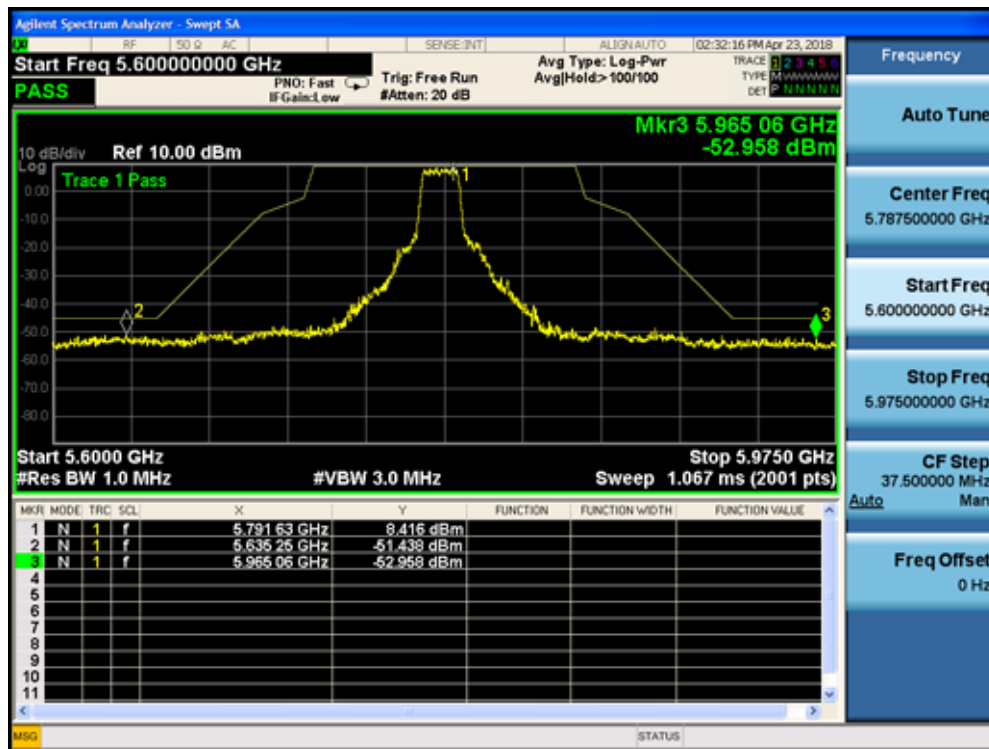
5500MHz by 802.11n(20MHz):



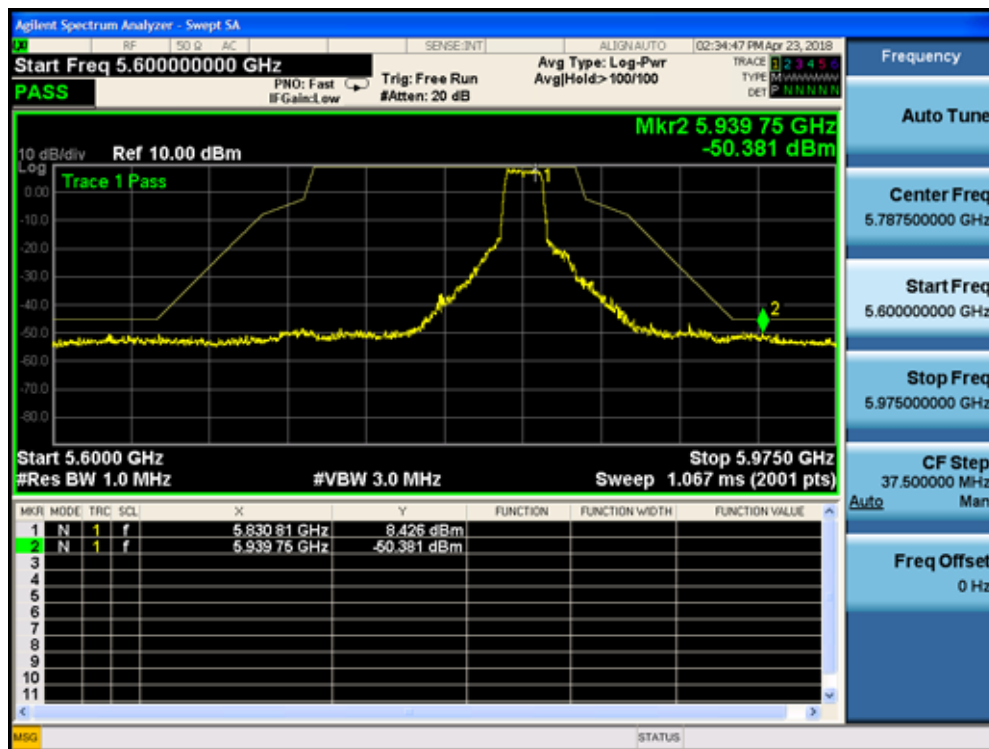
5745MHz by 802.11n(20MHz):



5785MHz by 802.11n(20MHz):



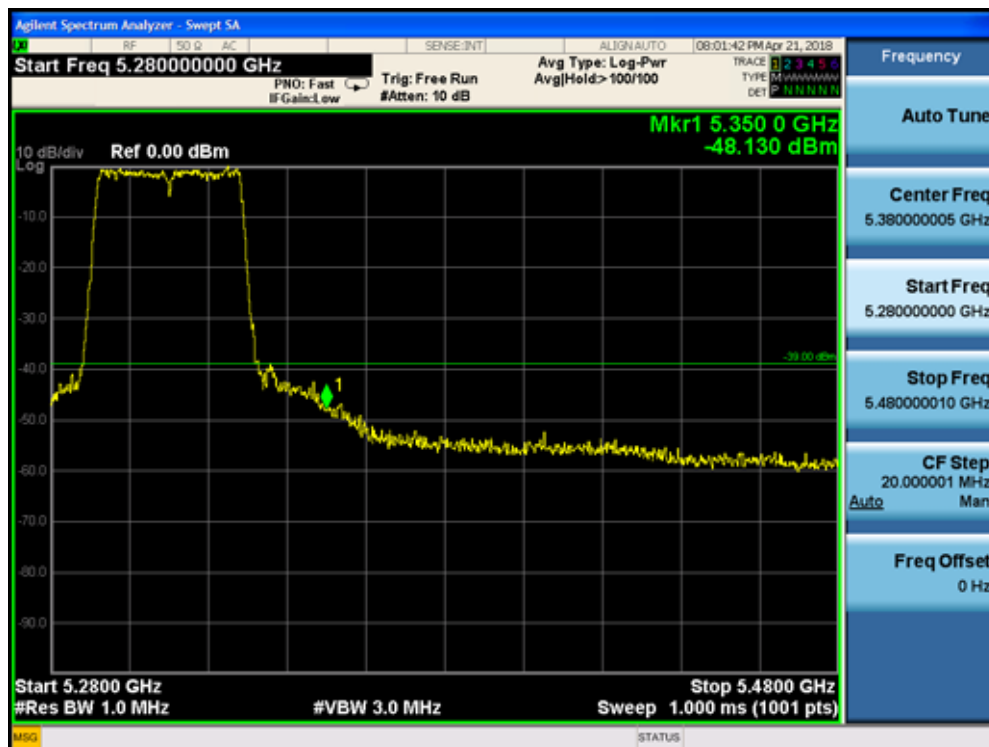
5825MHz by 802.11n(20MHz):



5190MHz by 802.11n(40MHz):



5310MHz by 802.11n(40MHz):



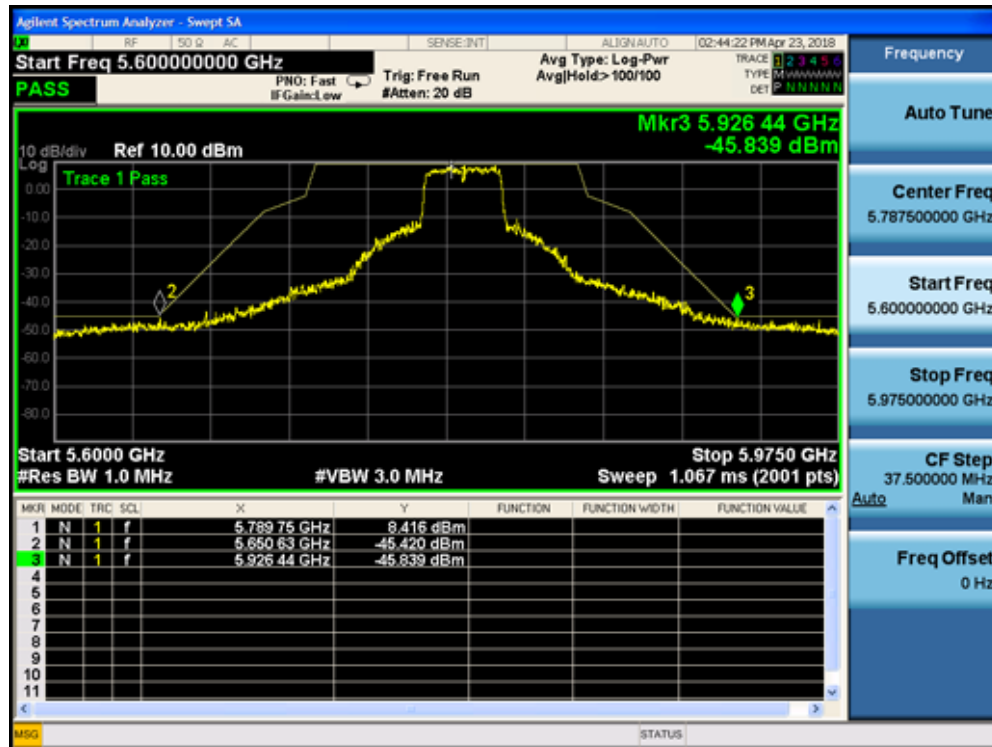
5510MHz by 802.11n(40MHz):



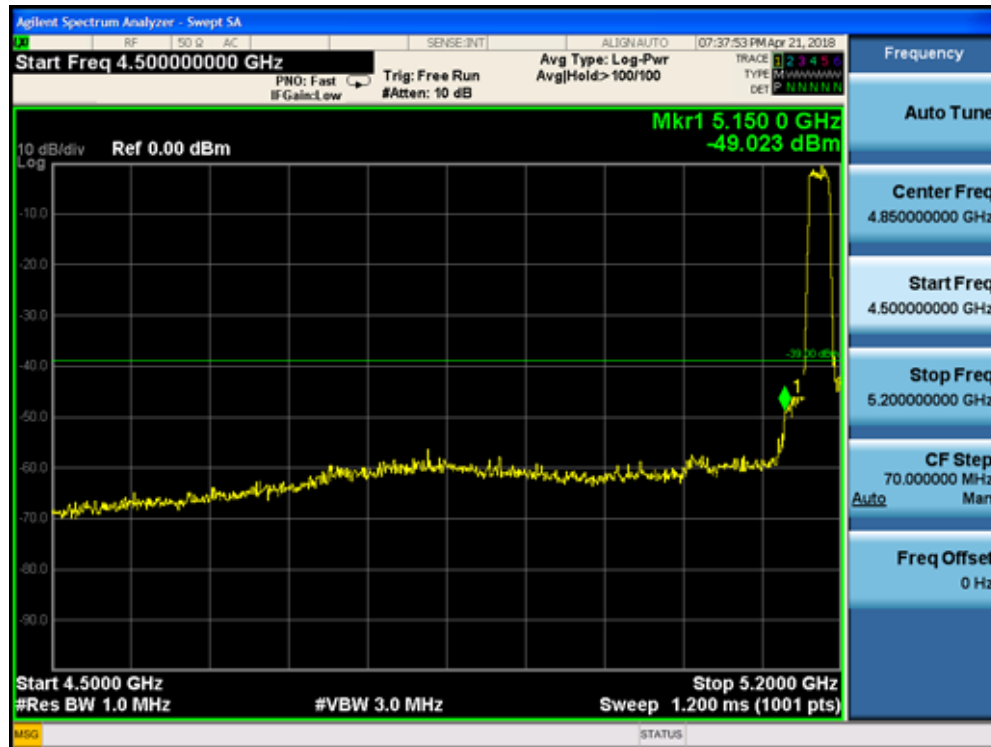
5755MHz by 802.11n(40MHz):



5795MHz by 802.11n(40MHz):



5180MHz by 802.11ac(20MHz):



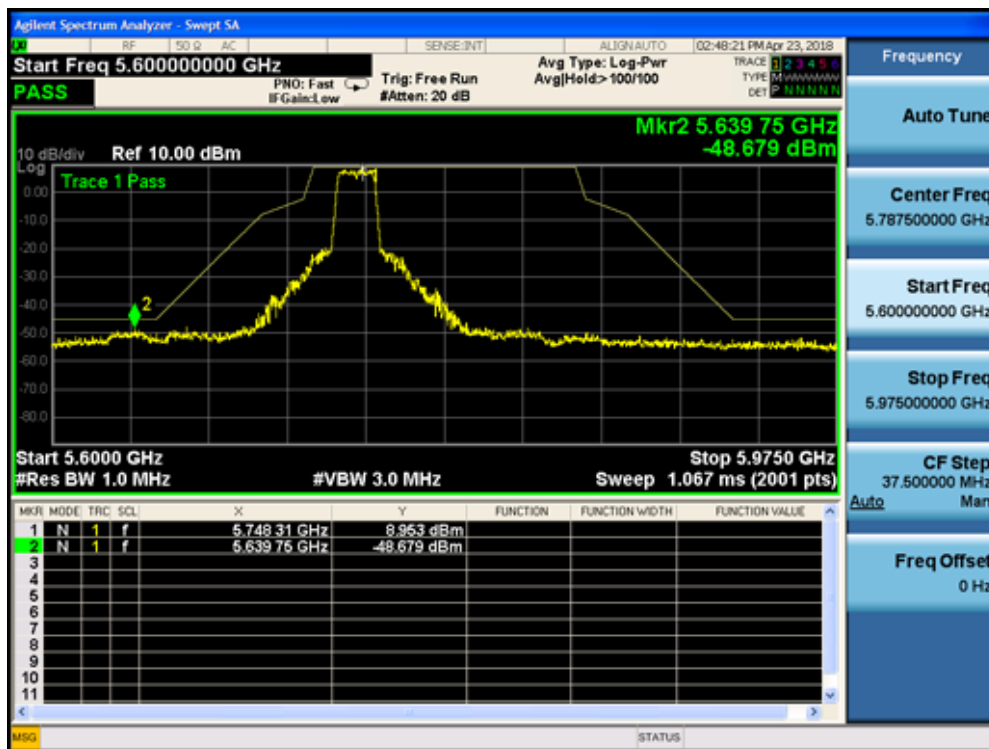
5320MHz by 802.11ac(20MHz):



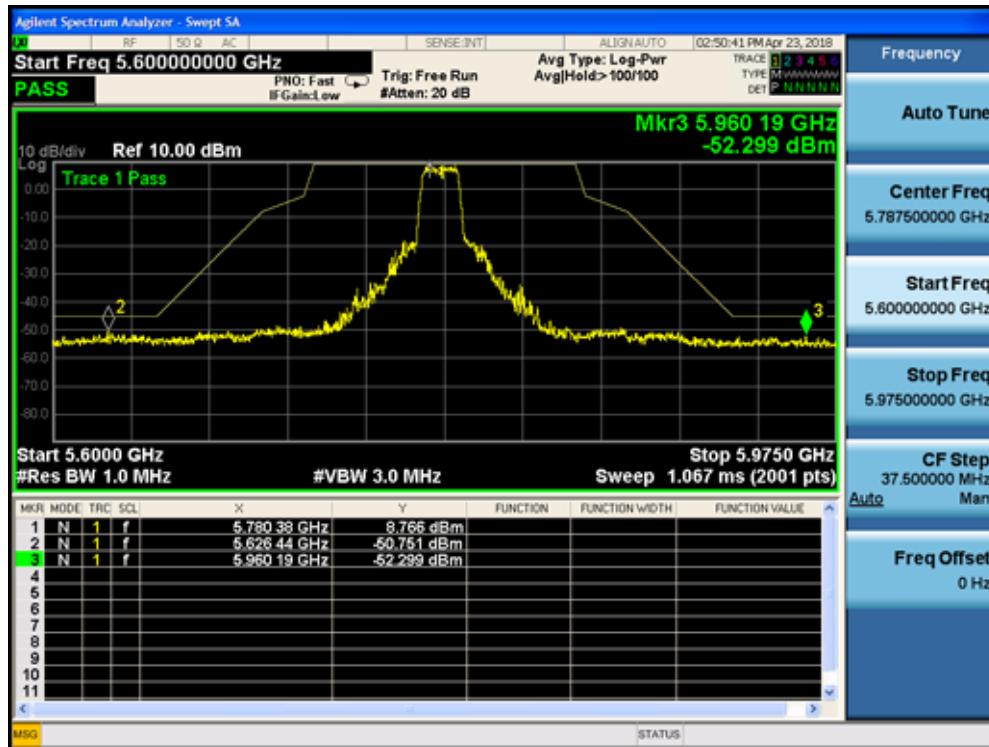
5500MHz by 802.11ac(20MHz):



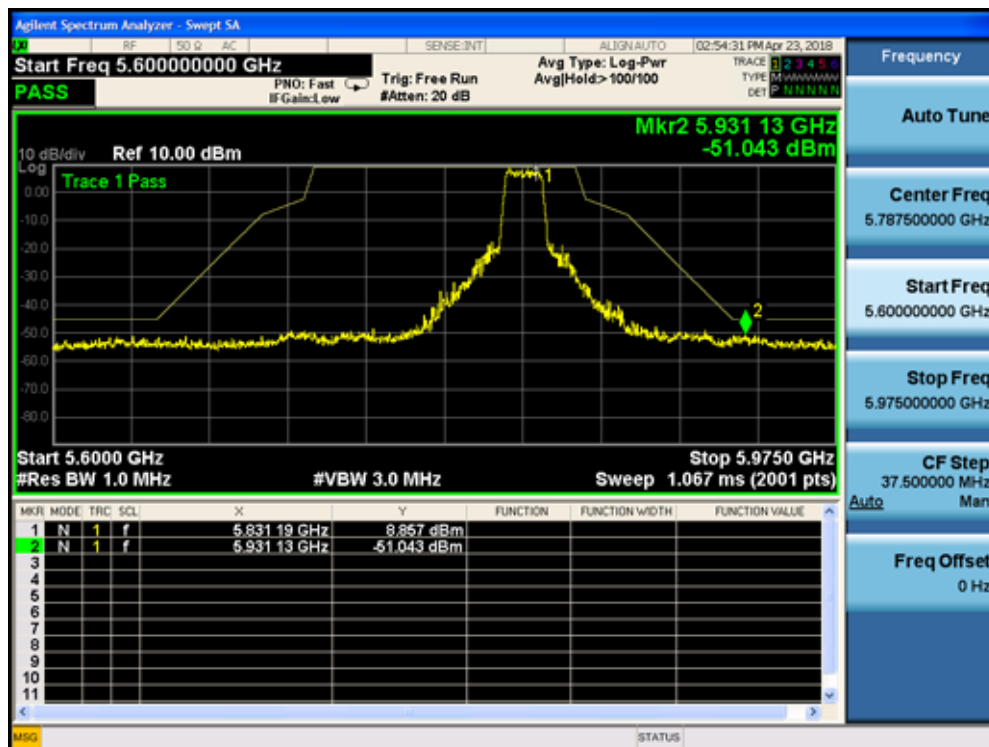
5745MHz by 802.11ac(20MHz):



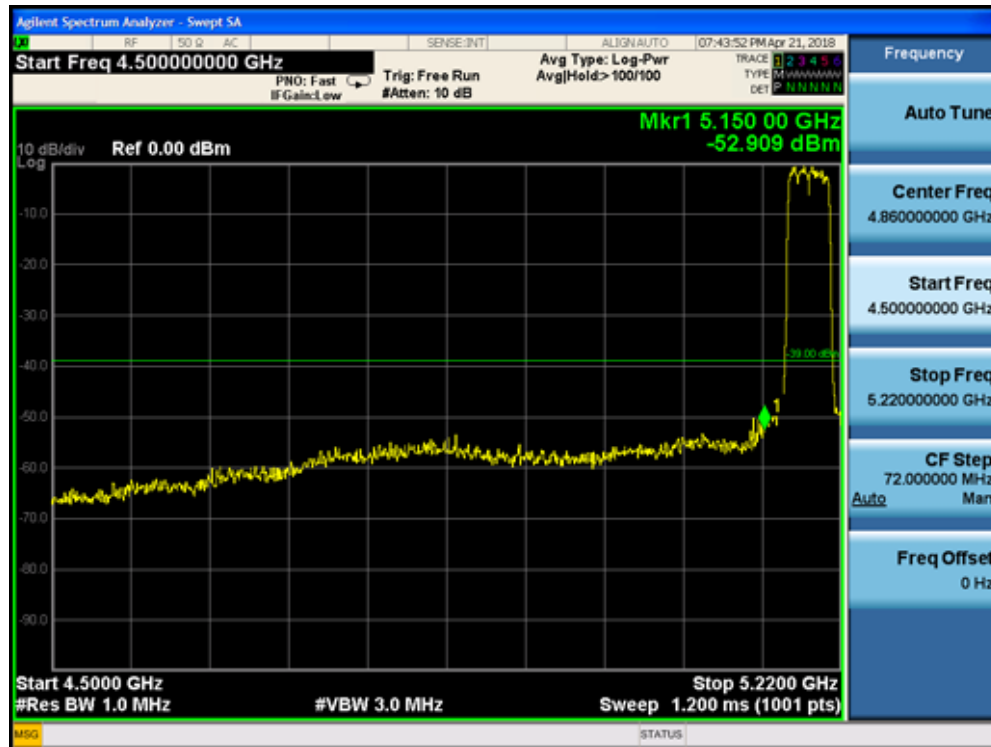
5785MHz by 802.11ac(20MHz):



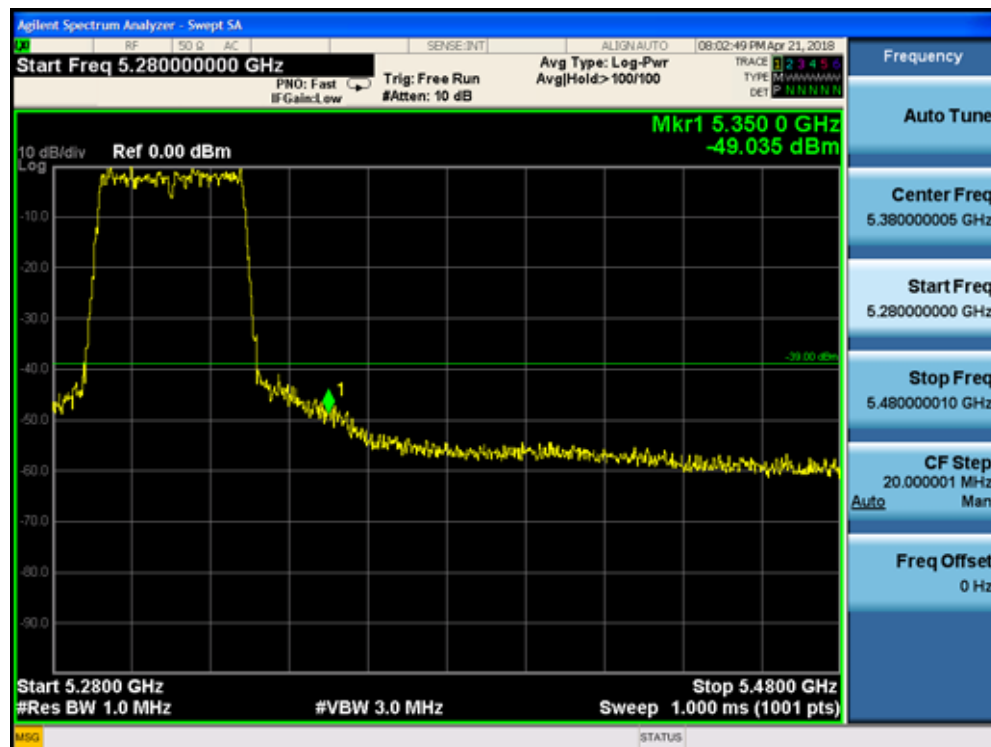
5825MHz by 802.11ac(20MHz):



5190MHz by 802.11ac(40MHz):



5310MHz by 802.11ac(40MHz):



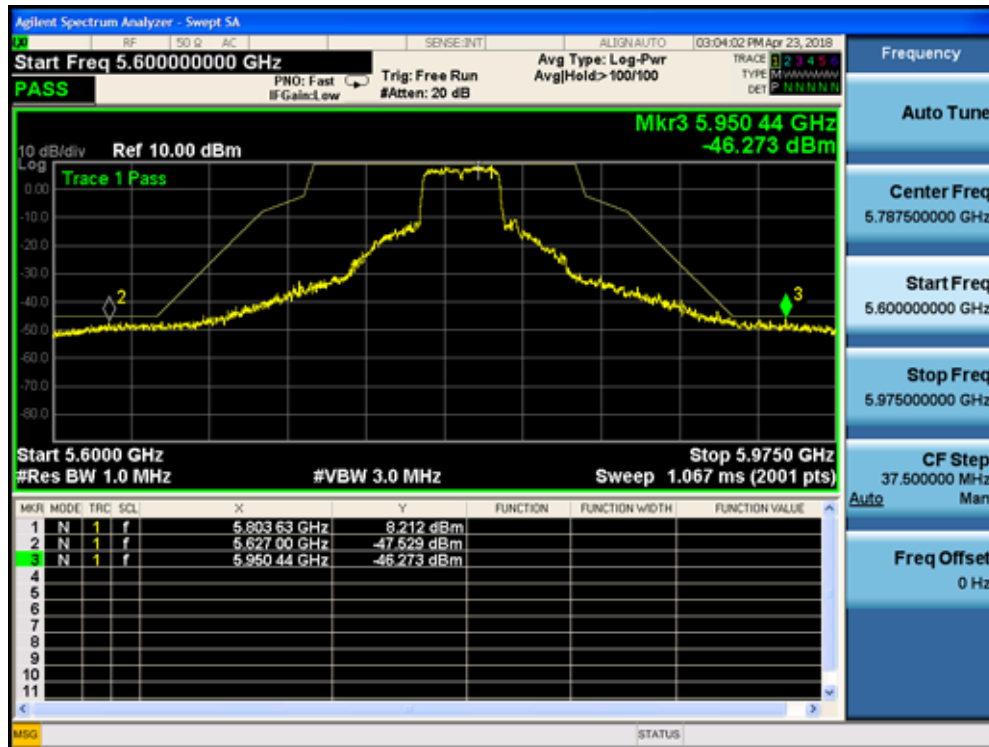
5510MHz by 802.11ac(40MHz):



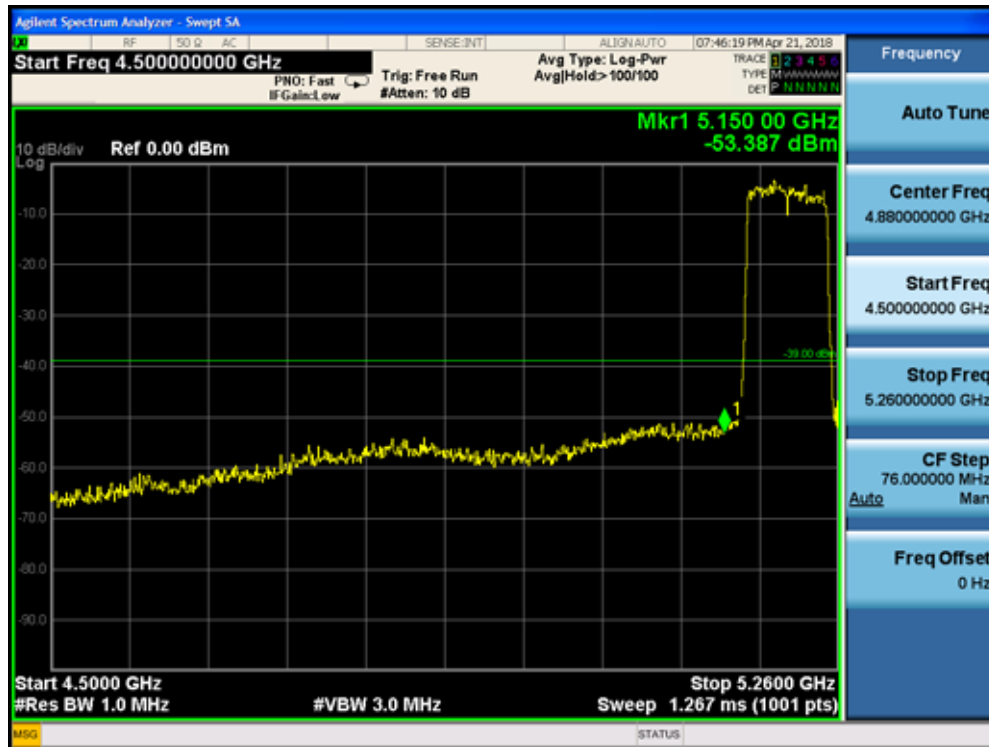
5755MHz by 802.11ac(40MHz):



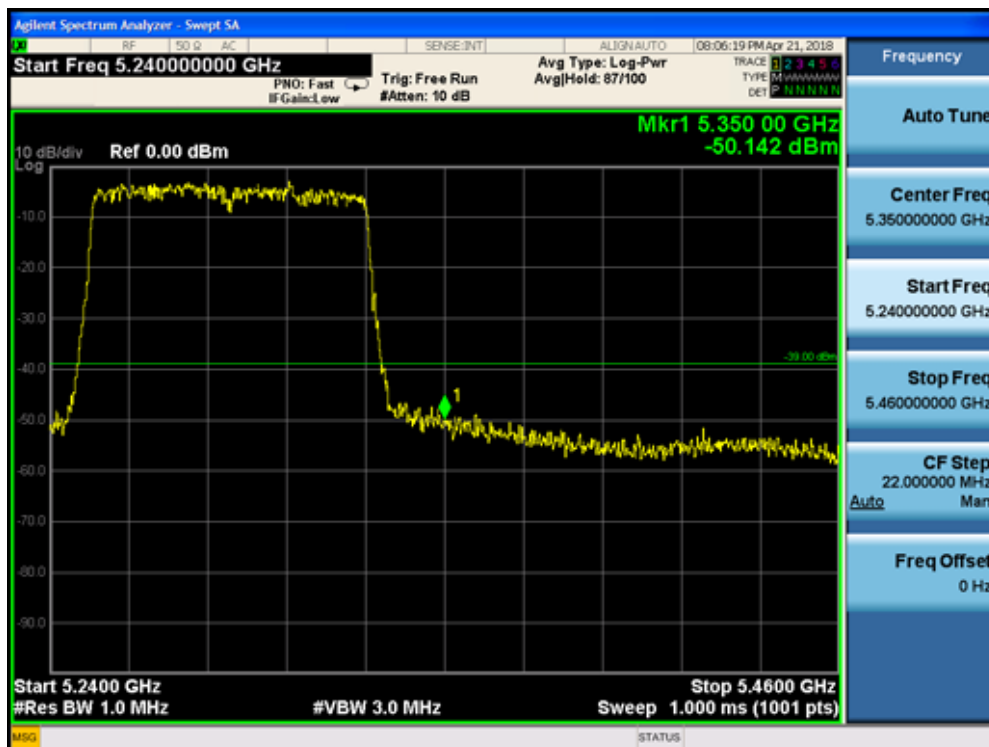
5795MHz by 802.11ac(40MHz):



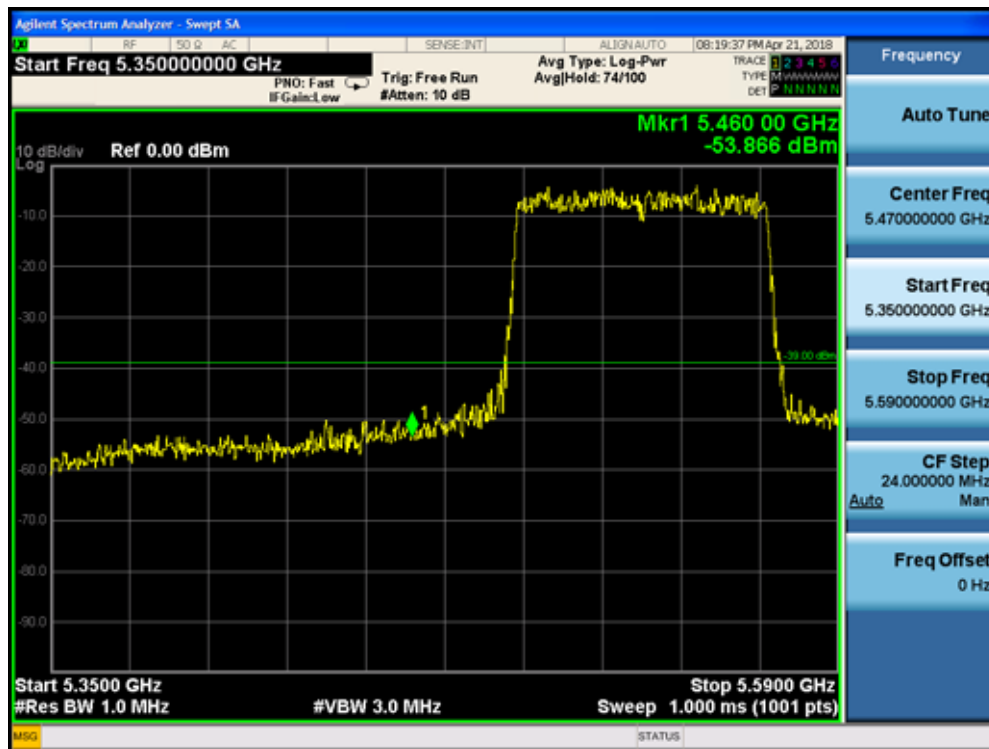
5210MHz by 802.11ac(80MHz):



5290MHz by 802.11ac(80MHz):



5530MHz by 802.11ac(80MHz):



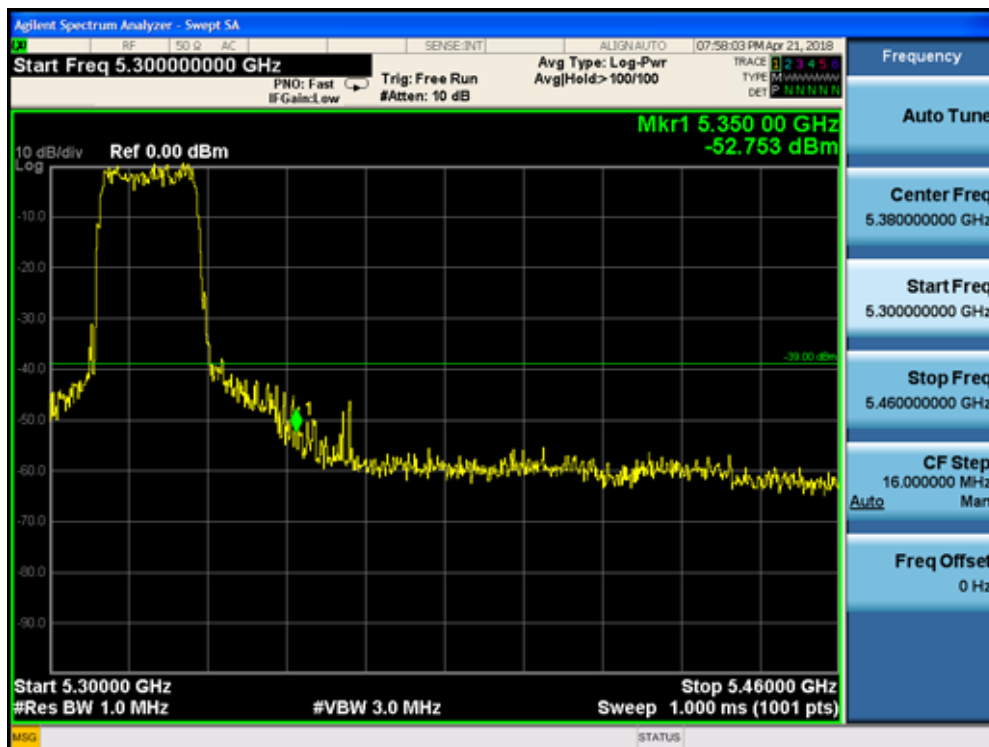
5775MHz by 802.11ac(80MHz):



5180MHz by 802.11ax(20MHz):



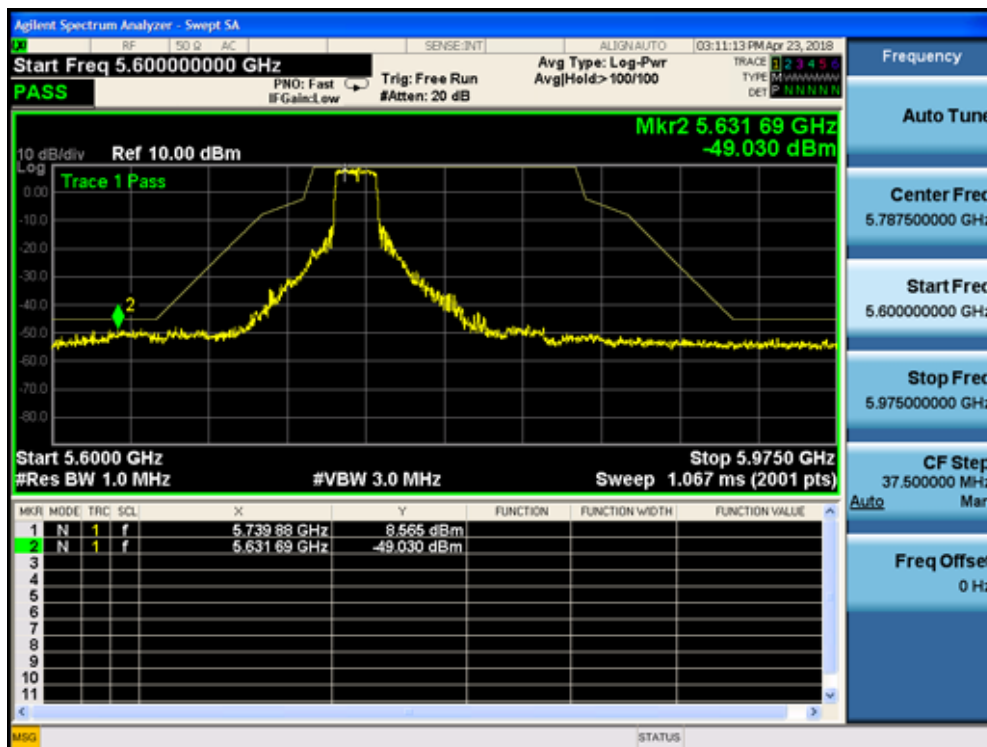
5320MHz by 802.11ax(20MHz):



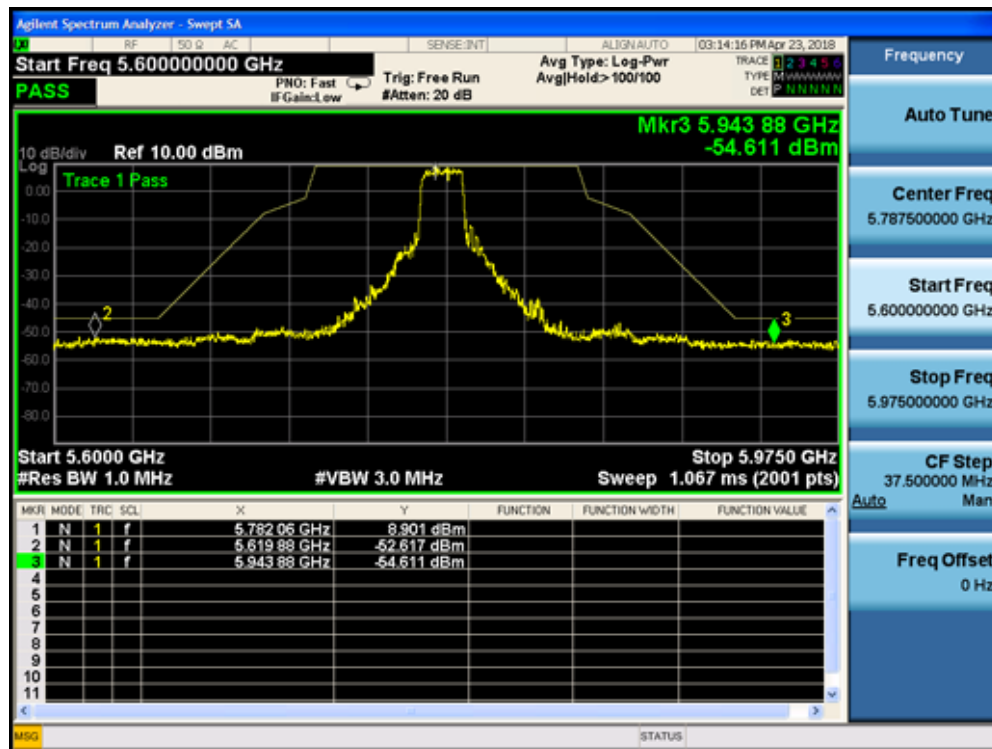
5500MHz by 802.11ax(20MHz):



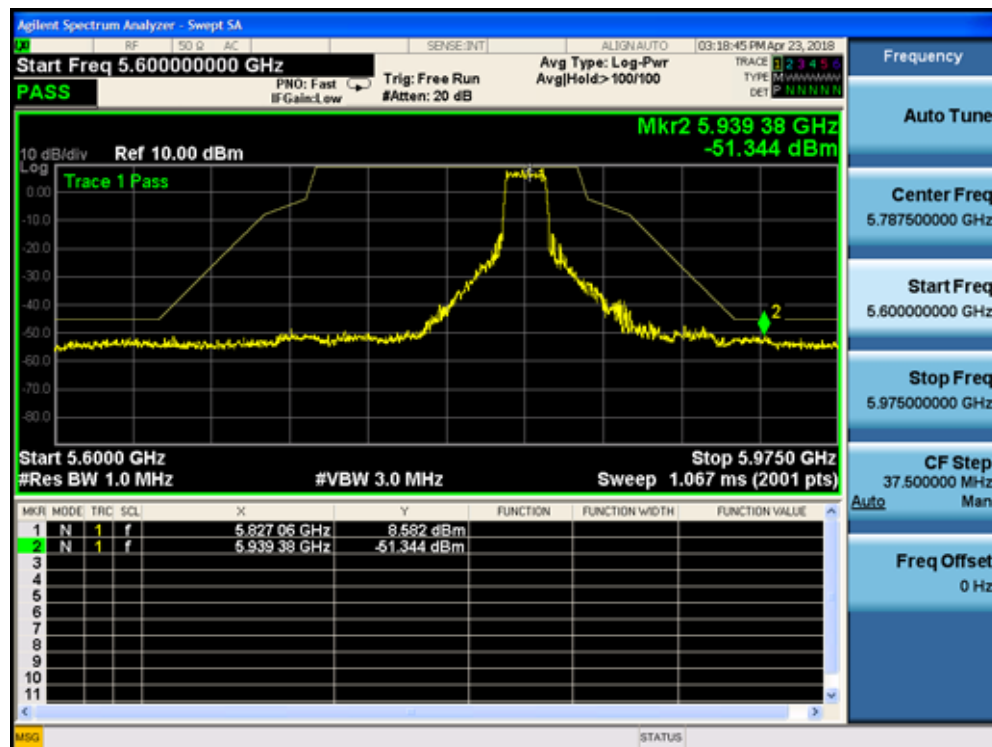
5745MHz by 802.11ax(20MHz):



5785MHz by 802.11ax(20MHz):



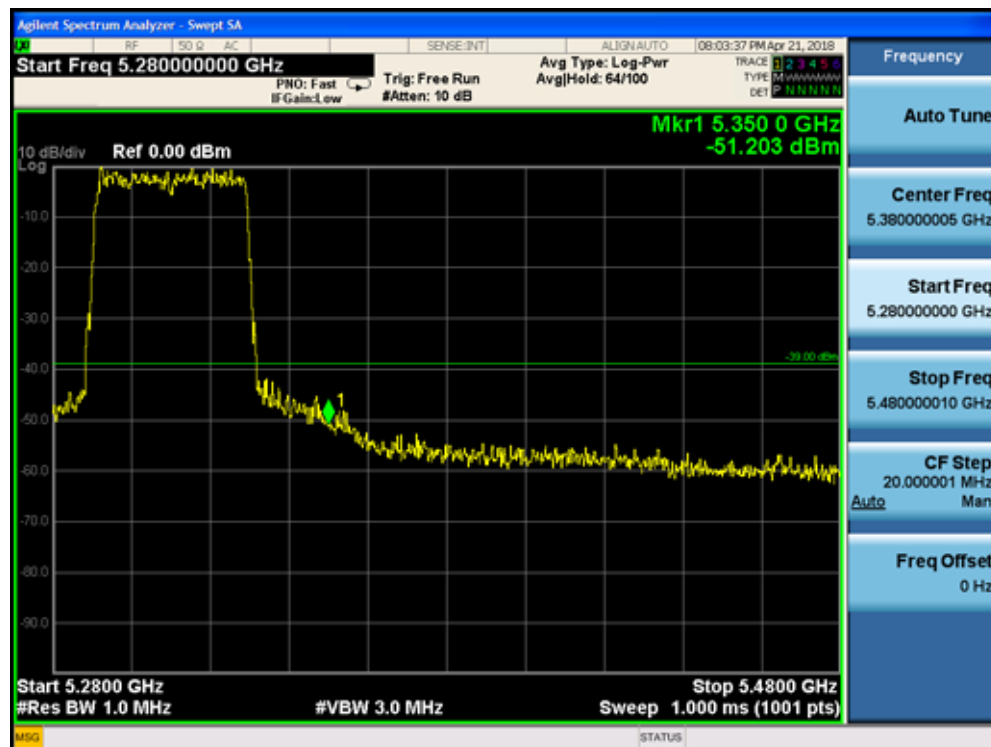
5825MHz by 802.11ax(20MHz):



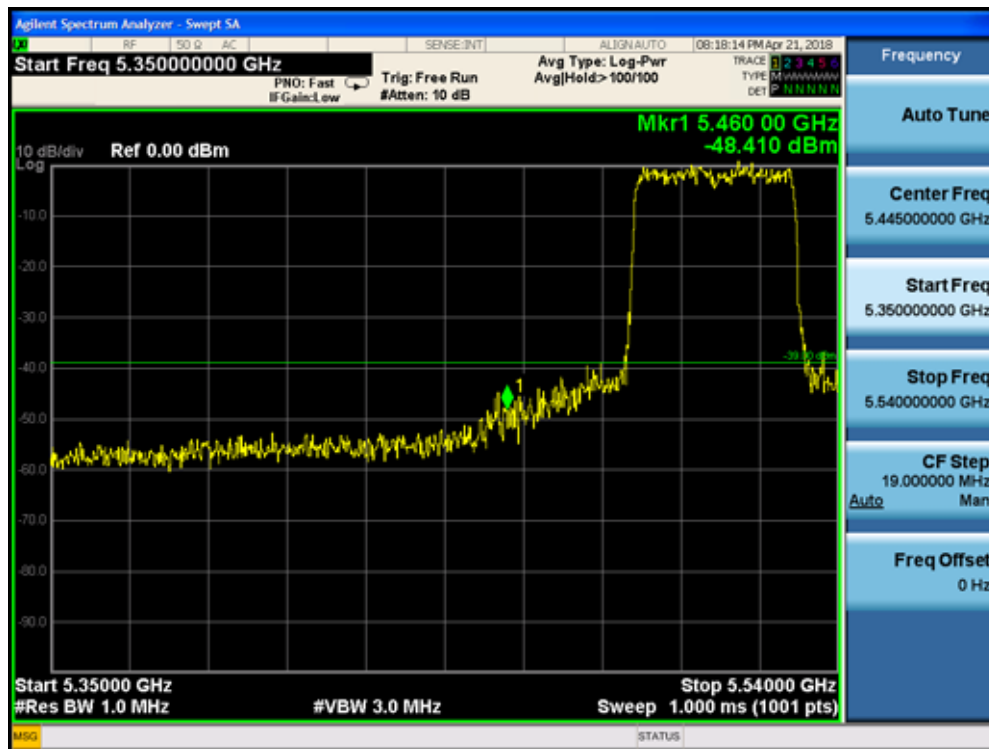
5190MHz by 802.11ax(40MHz):



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5510MHz by 802.11ax(40MHz):



5755MHz by 802.11ax(40MHz):

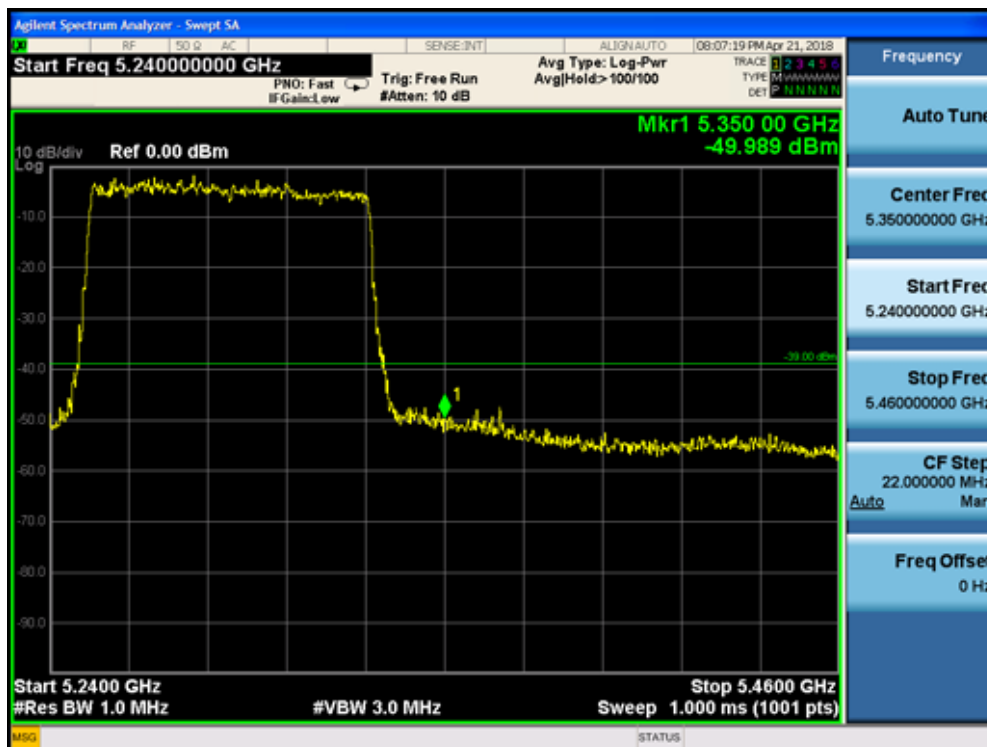


[illegible]

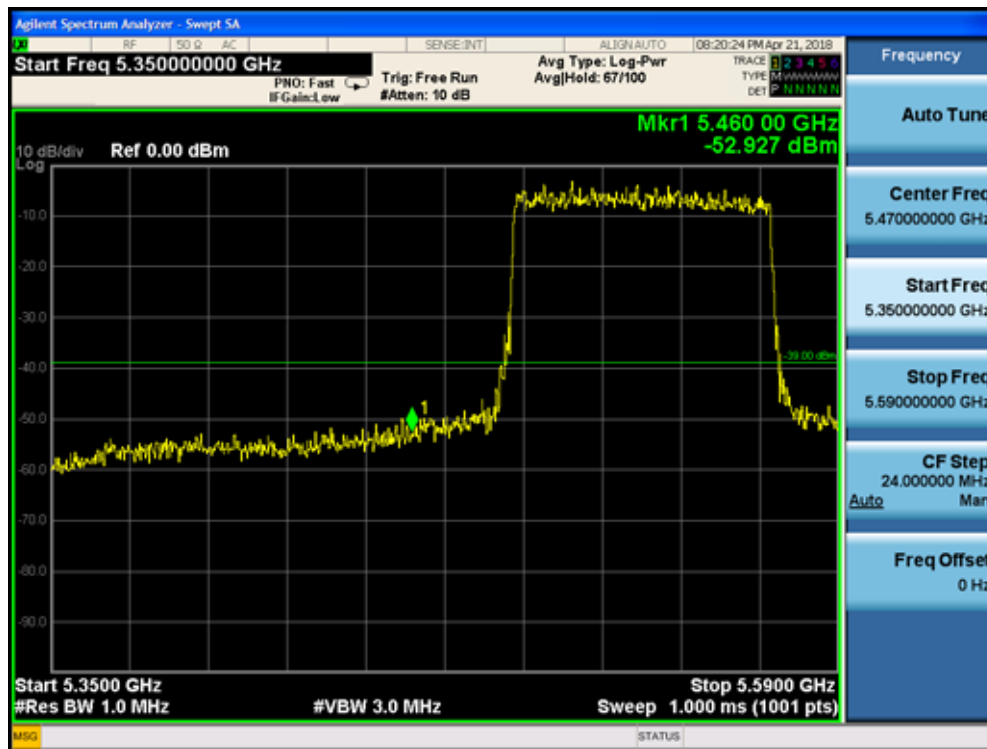
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5775MHz by 802.11ax(80MHz):



5250MHz by 802.11ax(160MHz):



5570MHz by 802.11ax(160MHz)



AV-Ant 1+2 with Beam-forming:

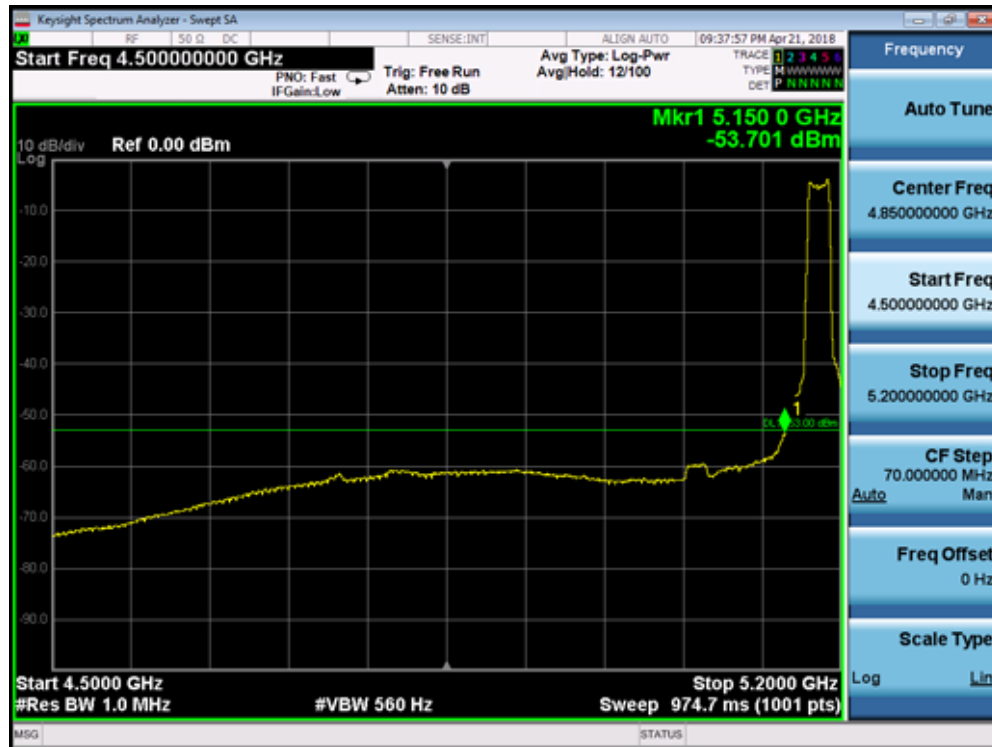
Band I AV Limit=54 dBuV/m-95.2-10lg2(2tx)-8.5(Directional Gain)-0.17(cable loss)=-53dbm
5180MHz by 802.11a:

**5320MHz by 802.11a:**

5500MHz by 802.11a:



5180MHz by 802.11n(20MHz):



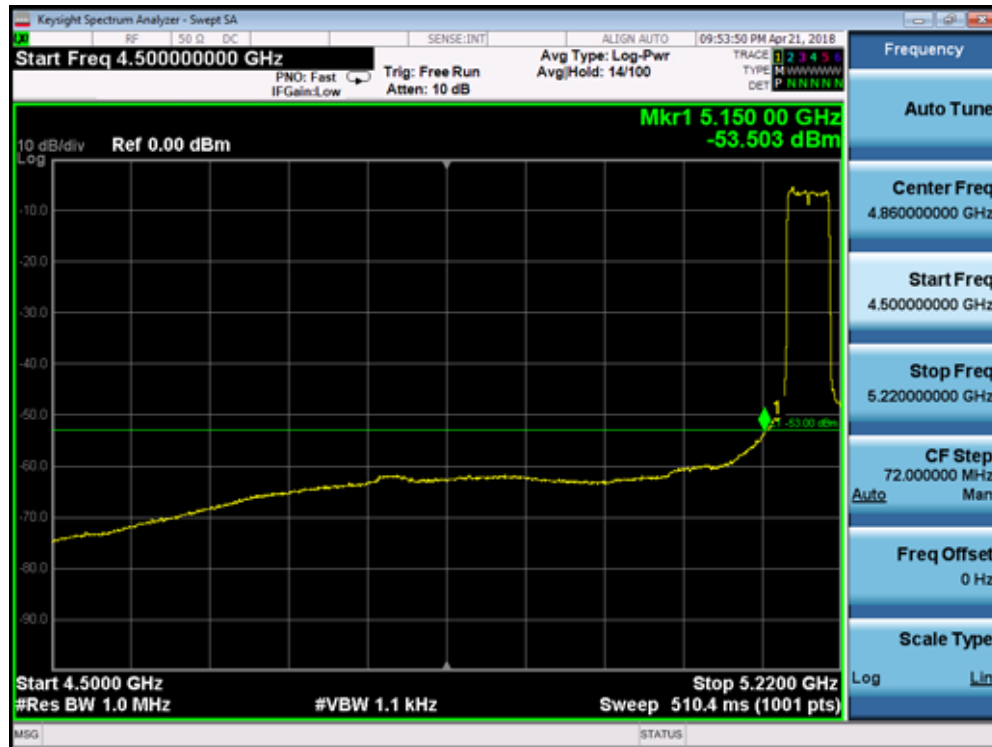
5320MHz by 802.11n(20MHz):



5500MHz by 802.11n(20MHz):



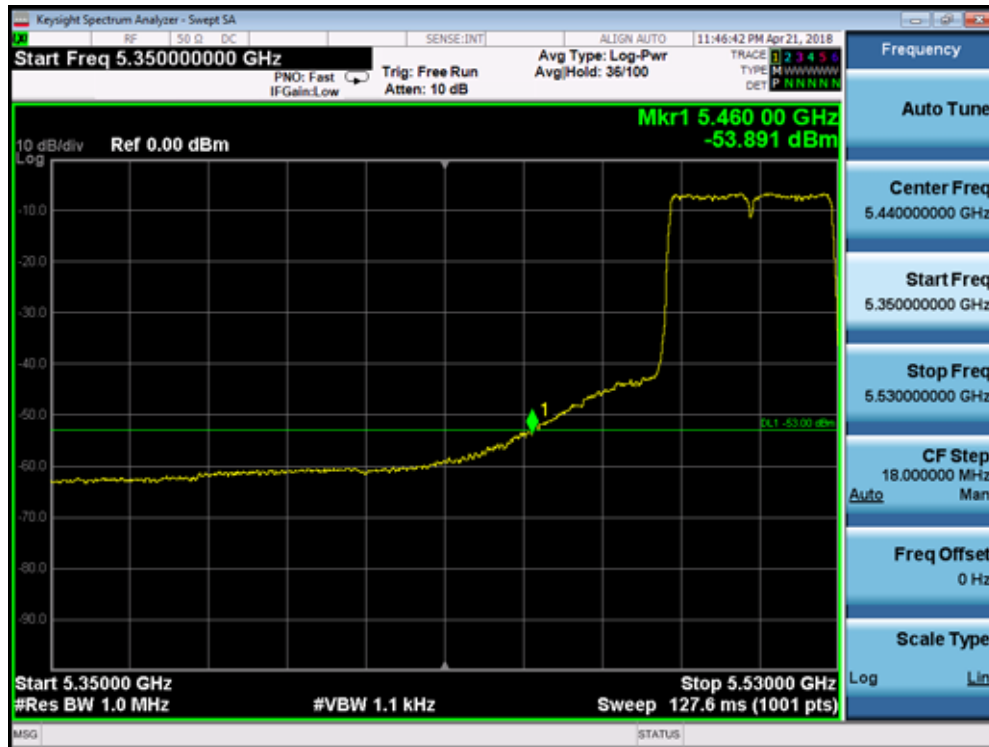
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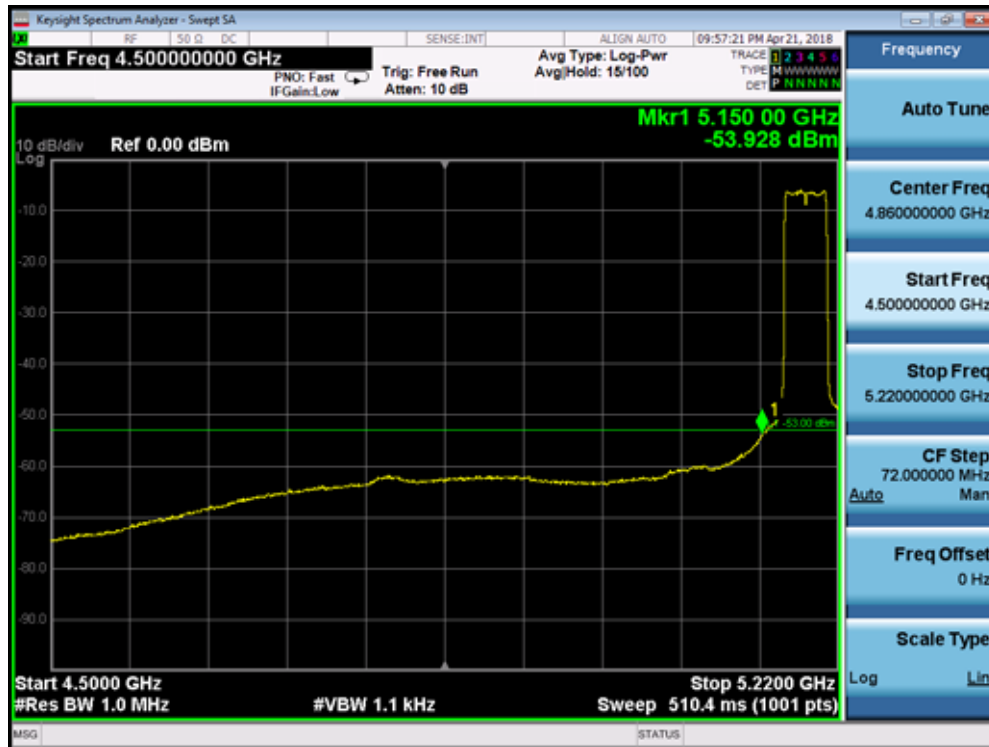
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