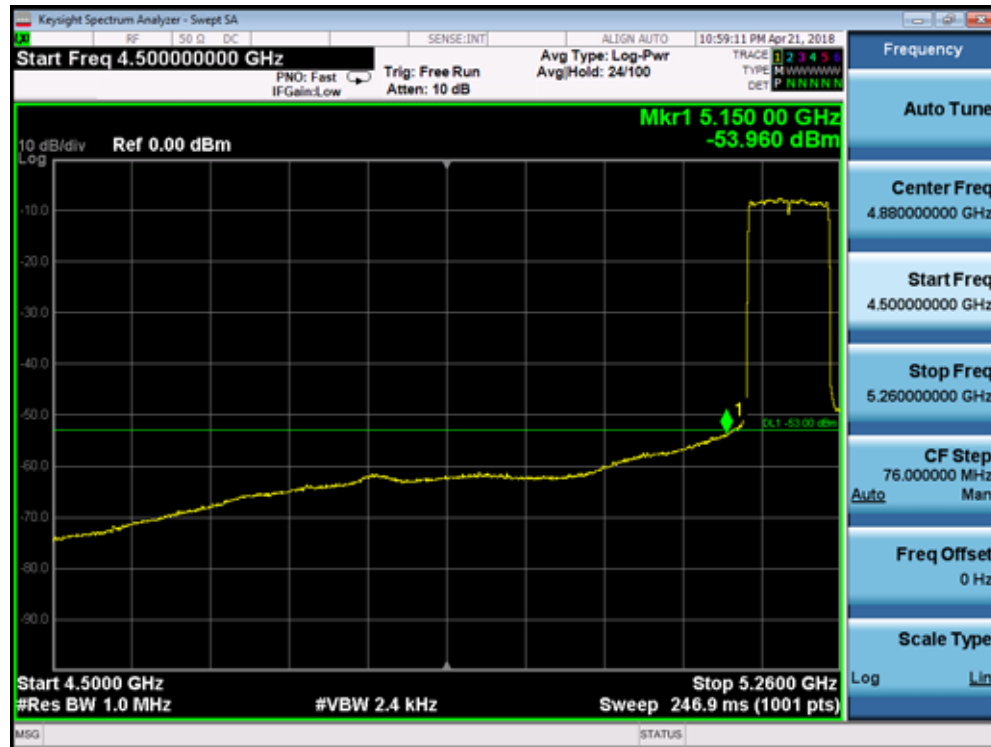


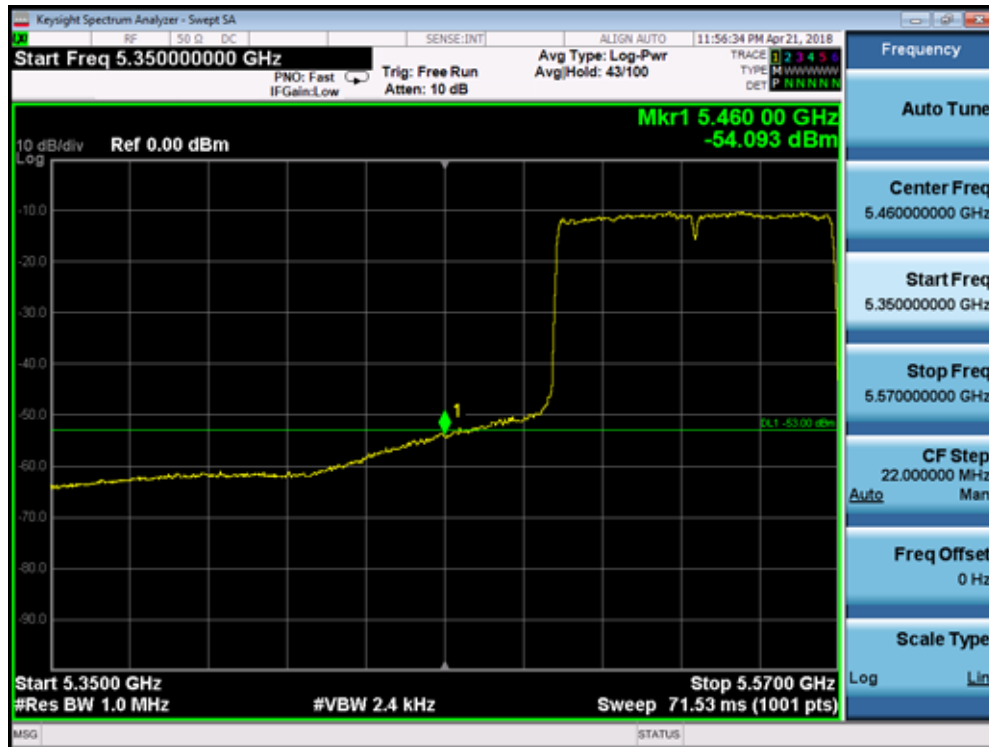
5210MHz by 802.11ac(80MHz)



5290MHz by 802.11ac(80MHz)



5530MHz by 802.11ac(80MHz)



5180MHz by 802.11ax(20MHz):



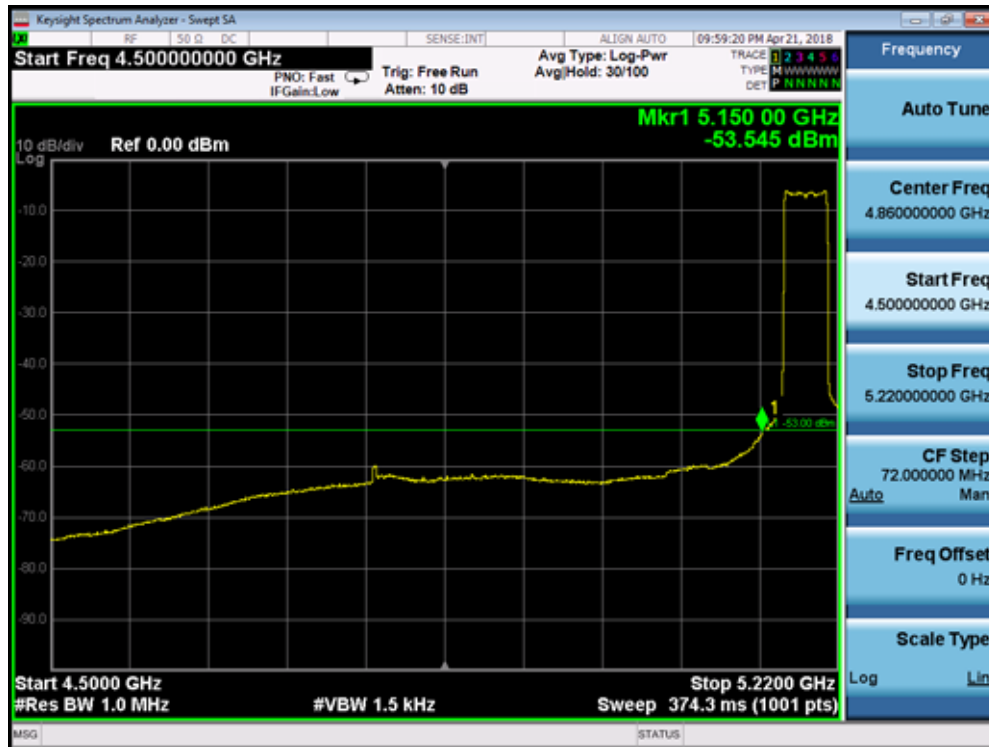
5320MHz by 802.11ax(20MHz):



5500MHz by 802.11ax(20MHz):



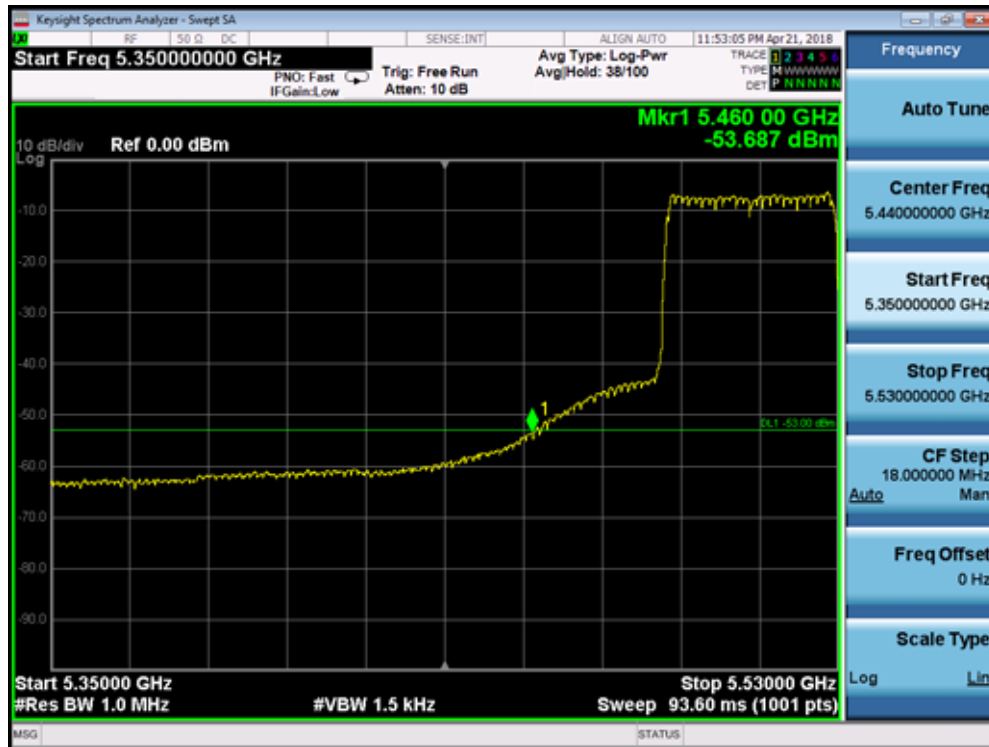
5190MHz by 802.11ax(40MHz):



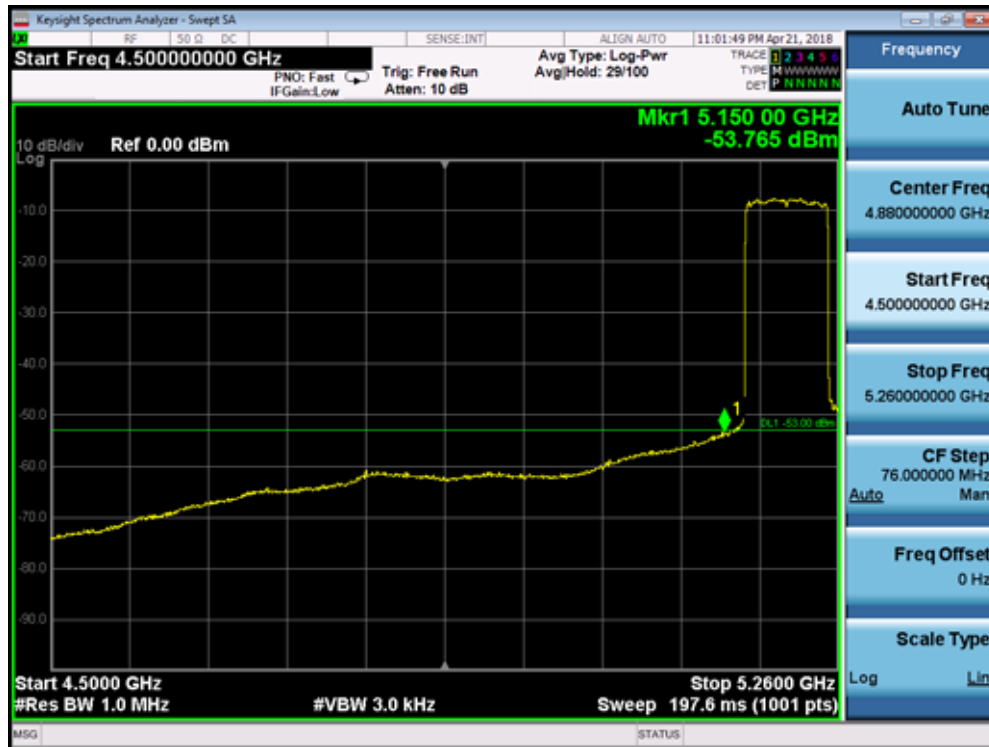
5310MHz by 802.11ax(40MHz):



5510MHz by 802.11ax(40MHz):



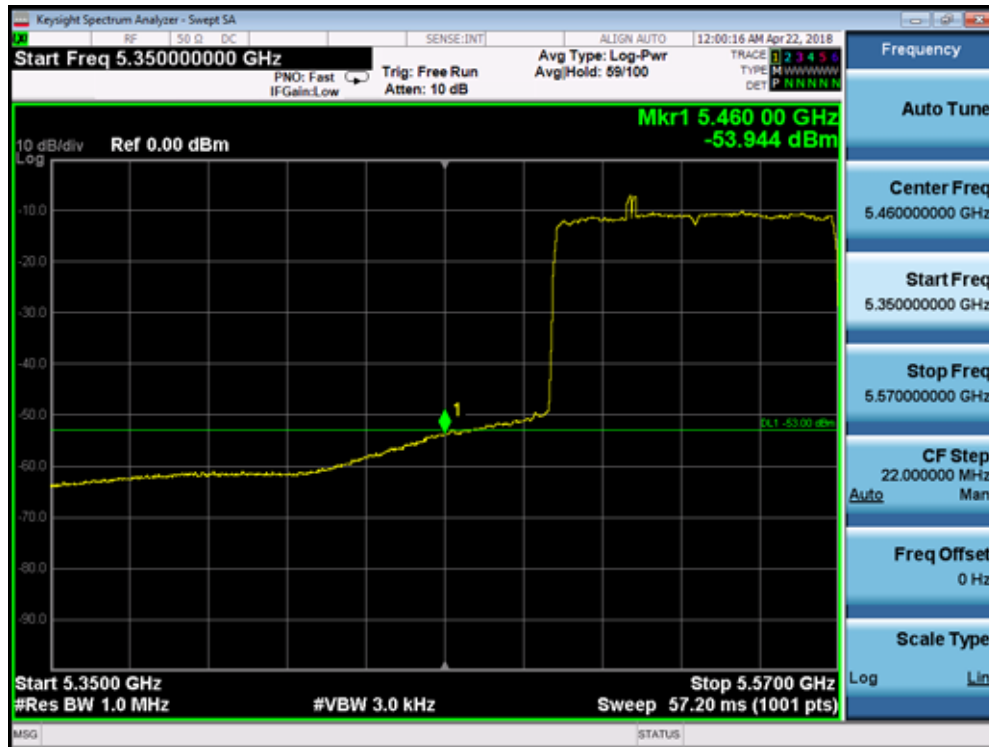
5210MHz by 802.11ax(80MHz)



5290MHz by 802.11ax(80MHz)



5530MHz by 802.11ax(80MHz)



5250MHz by 802.11ax(160MHz)

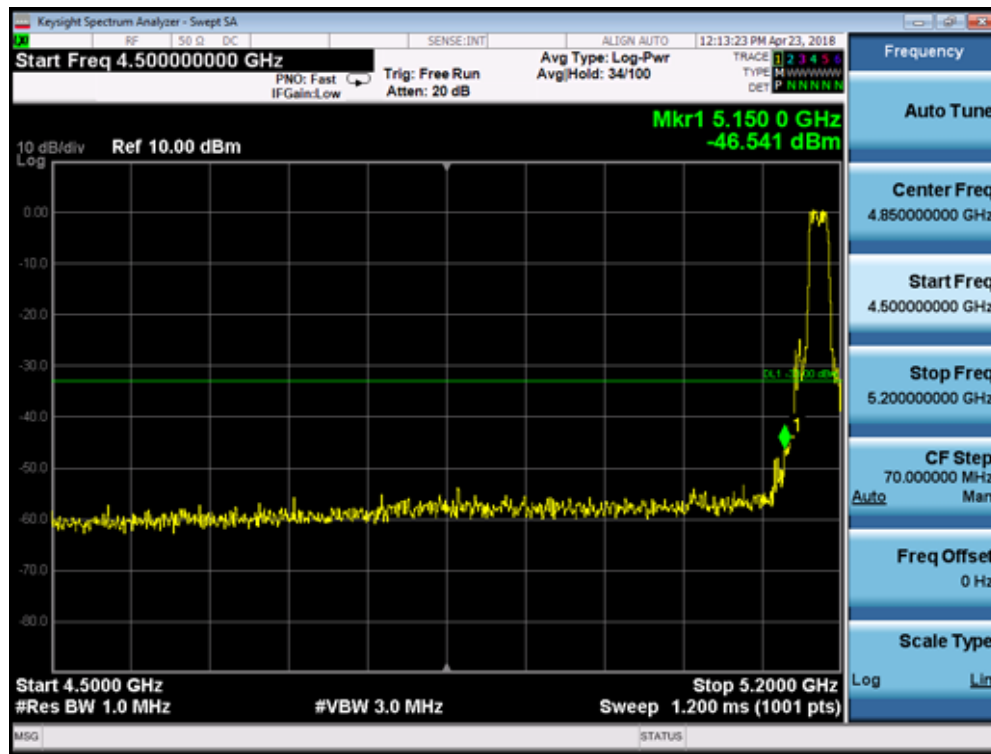


5570MHz by 802.11ax(160MHz)

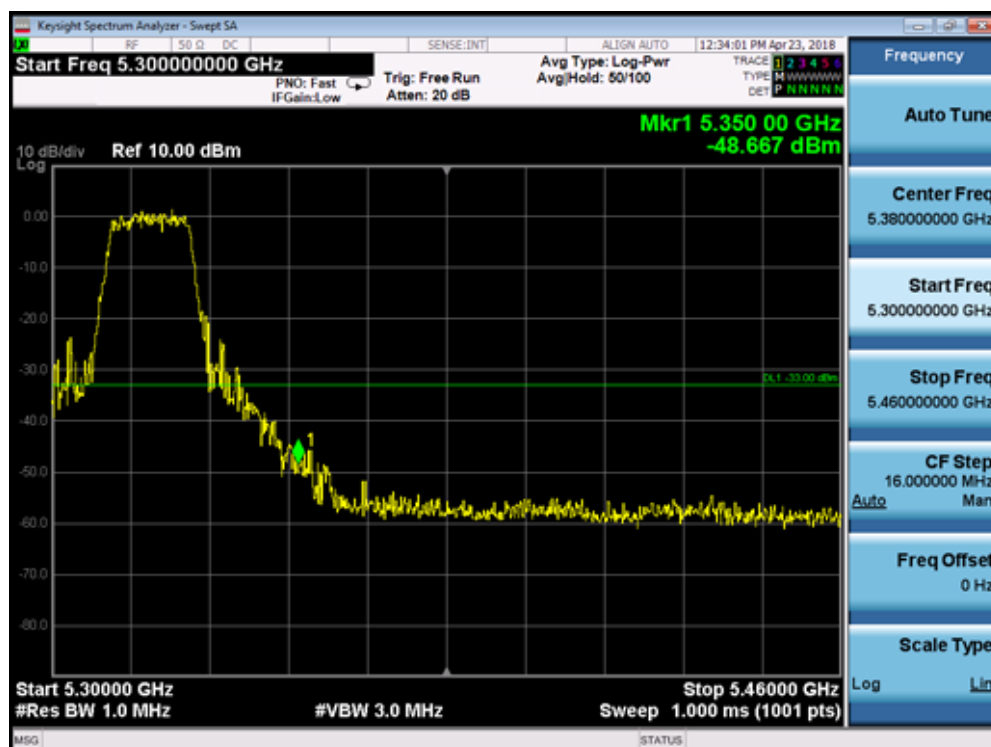


PK-Ant 1+2 with Beam-forming:

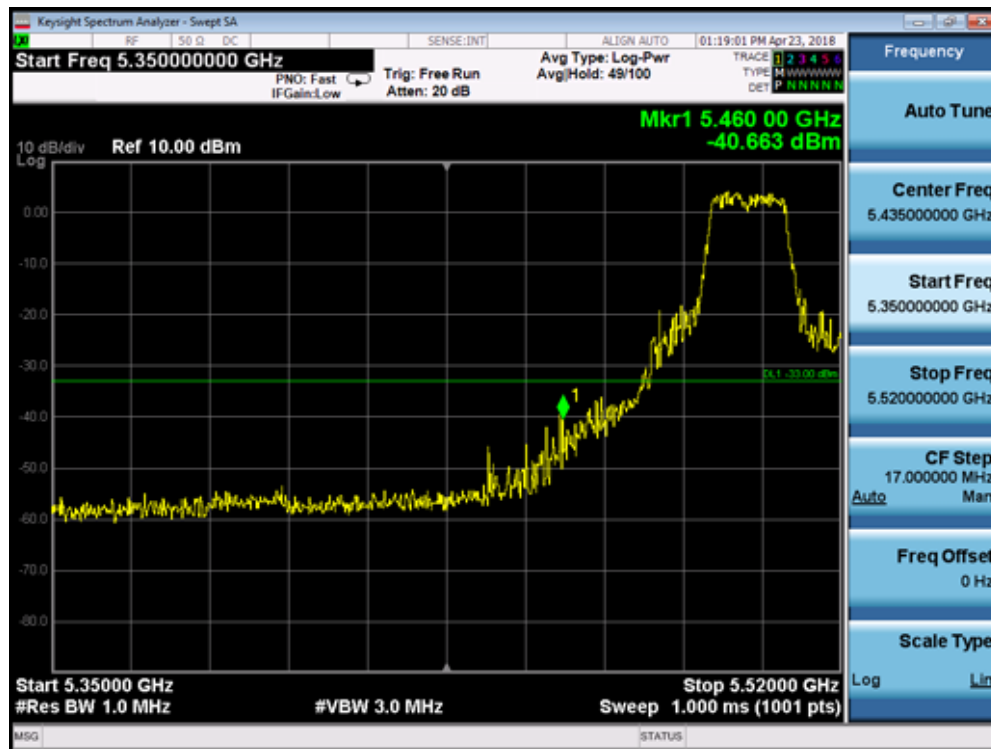
Band I PK Limit=74 dBuV/m-95.2-10lg2(2tx)-8.5(Directional Gain)-0.17(cable loss)=-33dbm
5180MHz by 802.11a:



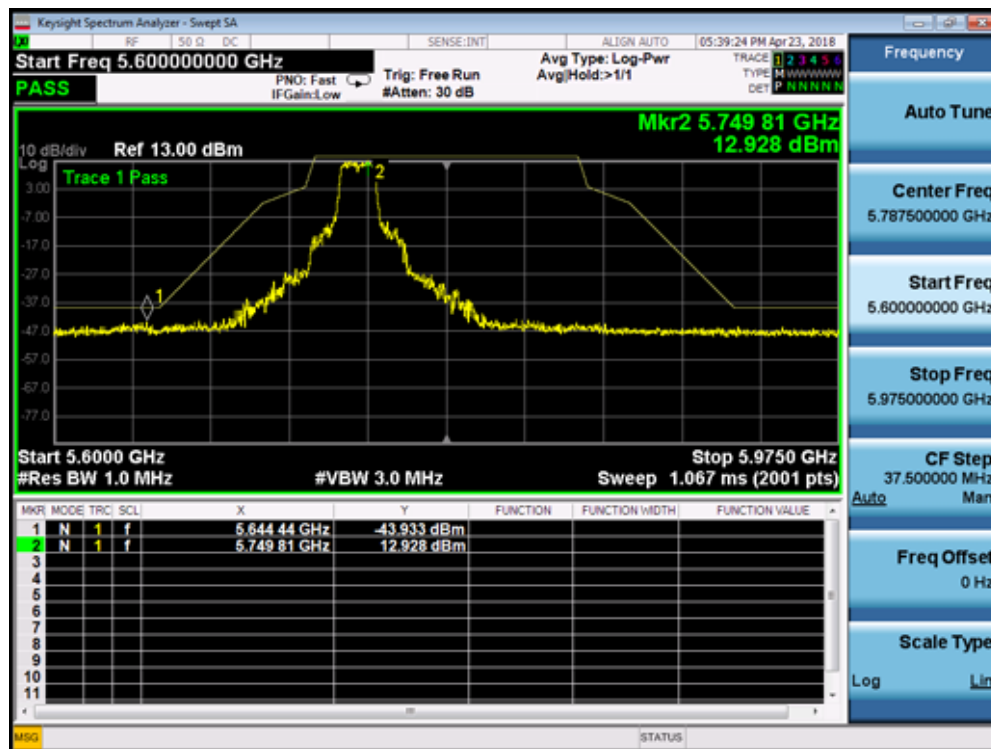
5320MHz by 802.11a:



5500MHz by 802.11a:



5745MHz by 802.11a:



Keysight Spectrum Analyzer - Swept SA

RF 50 Ω DC SENSE:INT ALIGN: AUTO 05:46:10 PM Apr 23, 2018

Start Freq 5.600000000 GHz Avg Type: Log-Pwr Avg/Hold: >1/1

PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB

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

PASS

Mkr1 5.646 31 GHz -46.517 dBm

10 dB/div Ref 13.00 dBm

Log

Trace 1 Pass

Start 5.6000 GHz Stop 5.9750 GHz

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

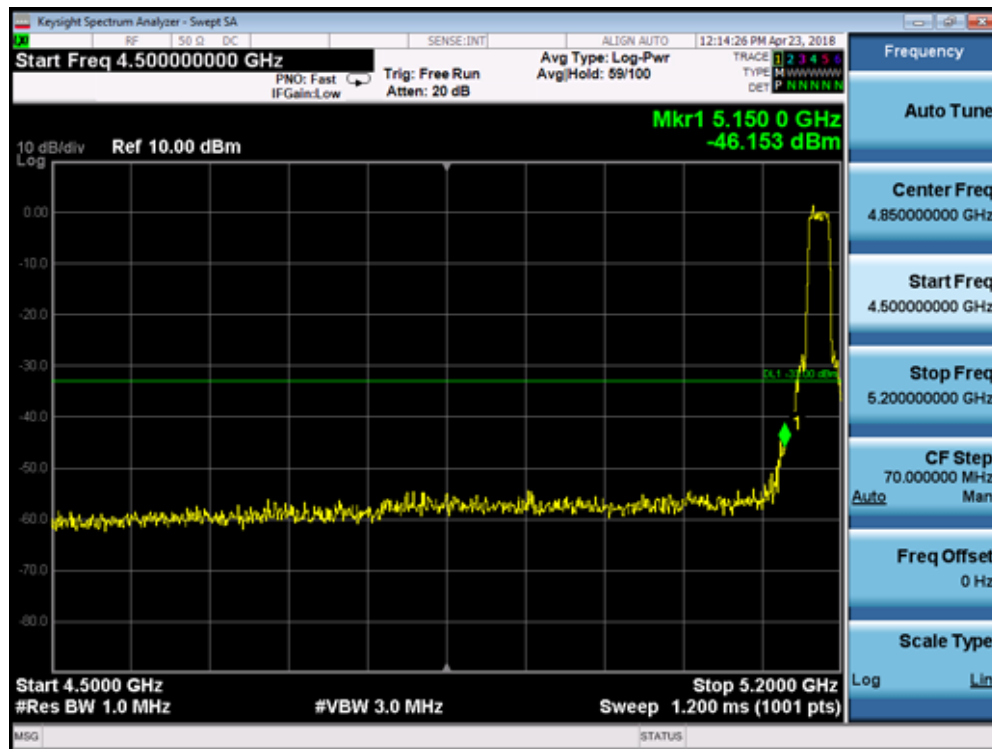
Mkri	Mode	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.646 31 GHz	-46.517 dBm			
2	N	1	f	5.778 69 GHz	12.046 dBm			
3	N	1	f	5.939 00 GHz	-45.042 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

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 Scale Type Log Lin

[illegible]

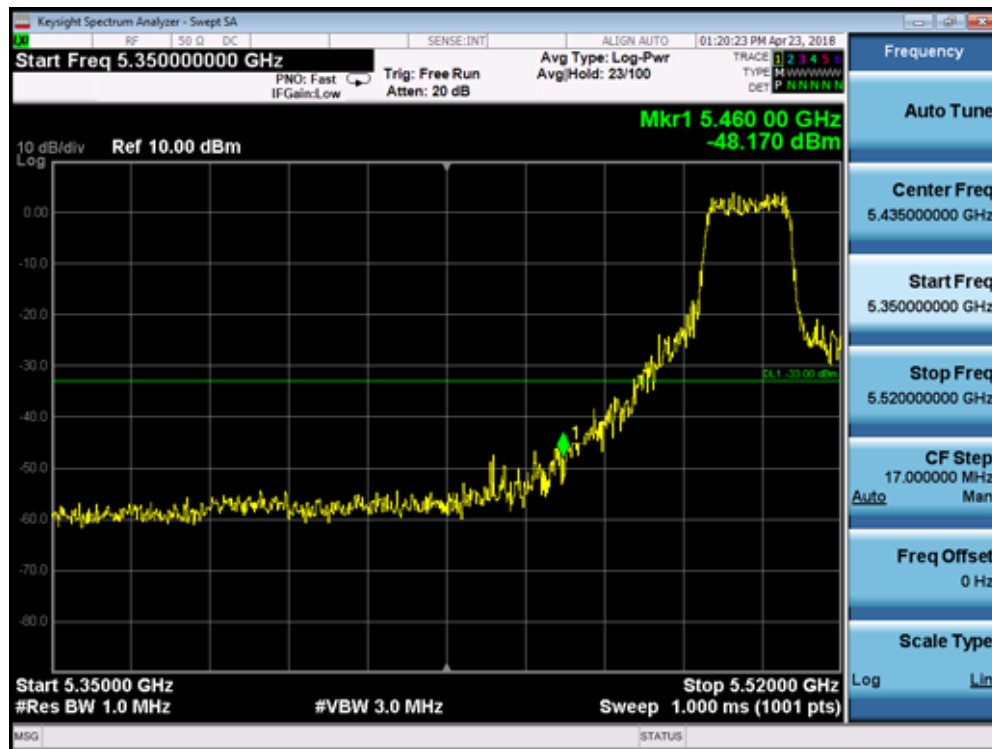
5180MHz by 802.11n(20MHz):



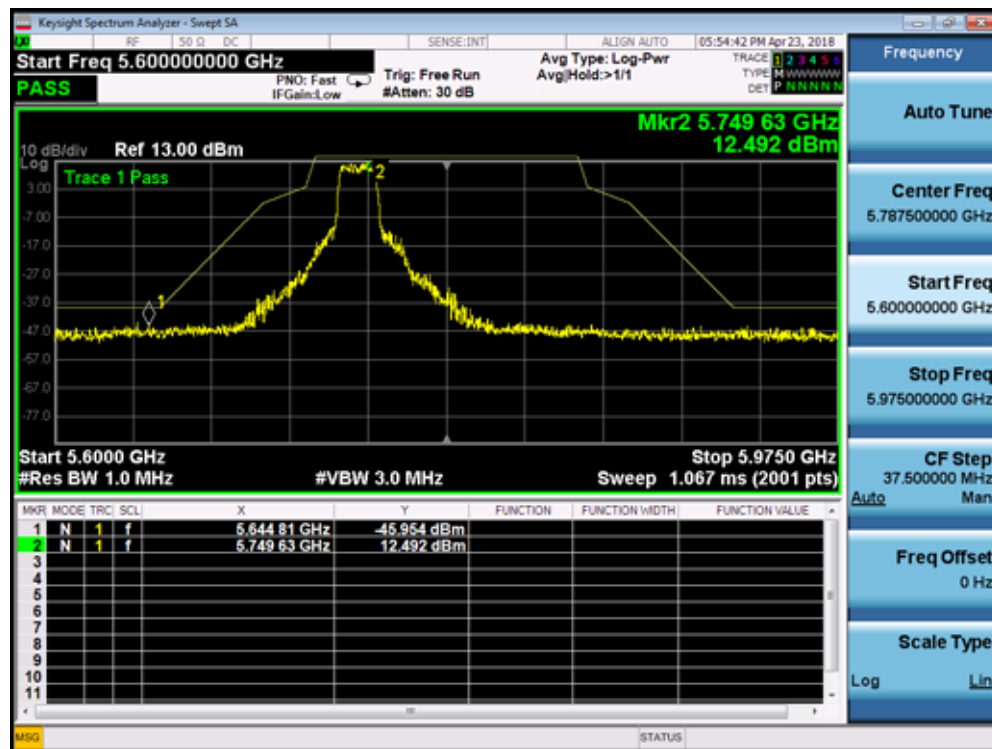
5320MHz by 802.11n(20MHz):



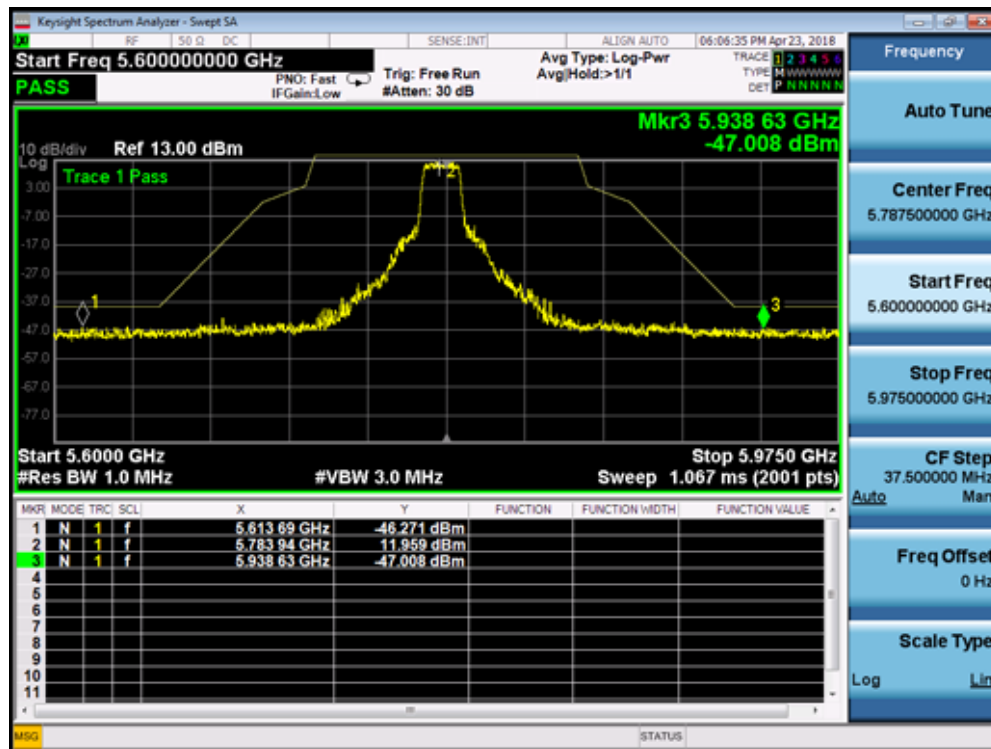
5500MHz by 802.11n(20MHz):



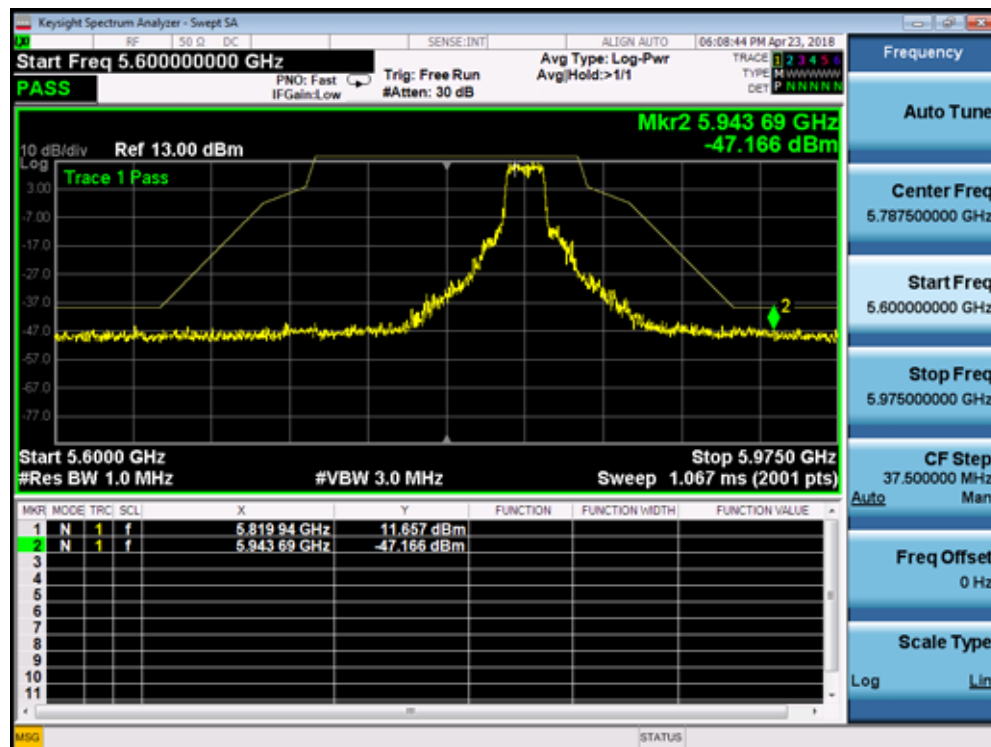
5745MHz by 802.11n(20MHz):



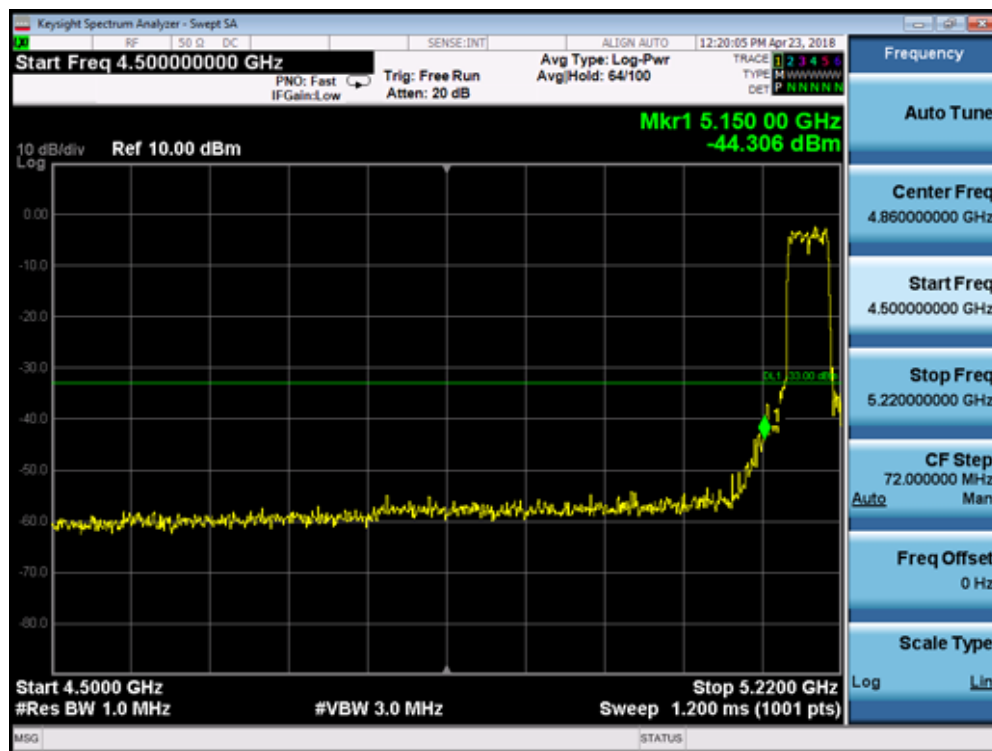
5785MHz by 802.11n(20MHz):



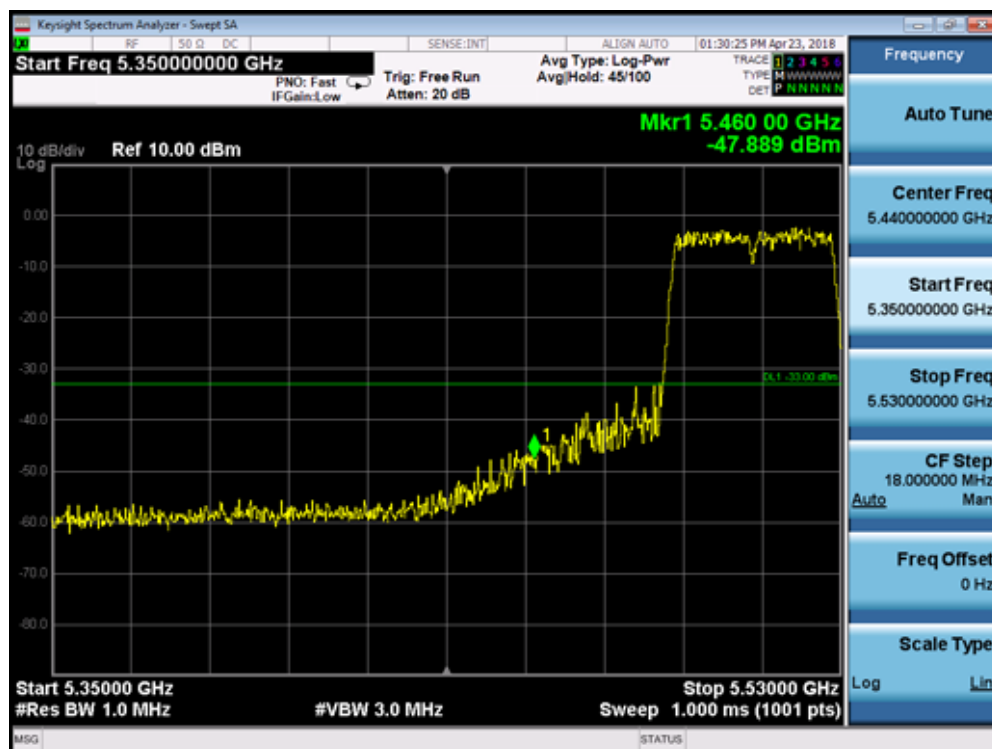
5825MHz by 802.11n(20MHz):



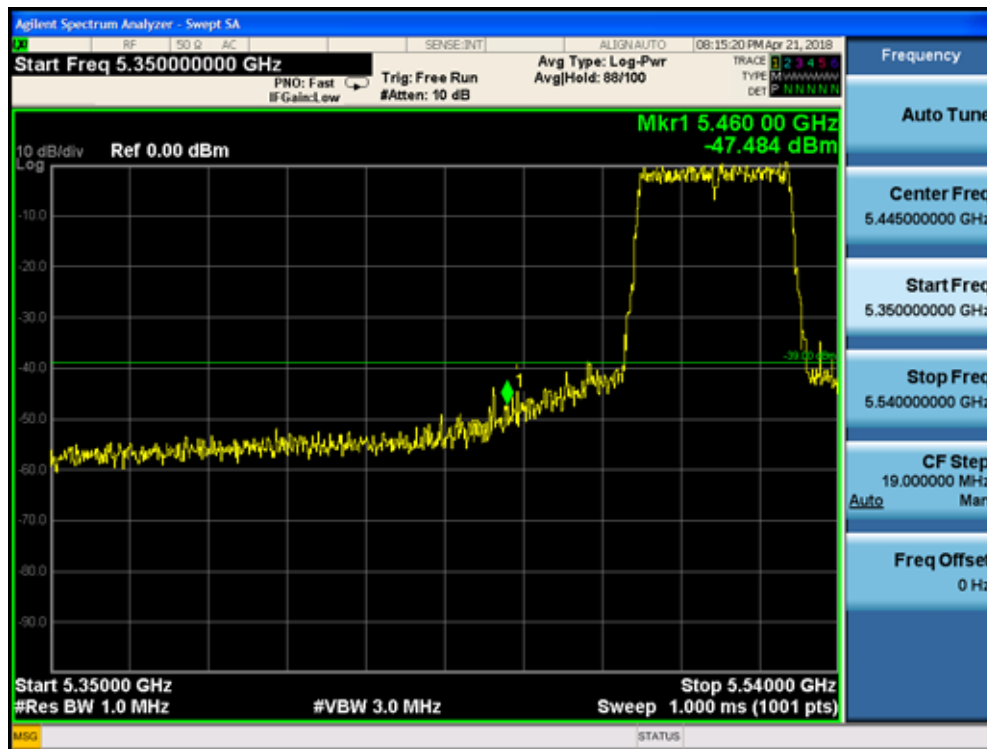
5190MHz by 802.11n(40MHz):



5310MHz by 802.11n(40MHz):



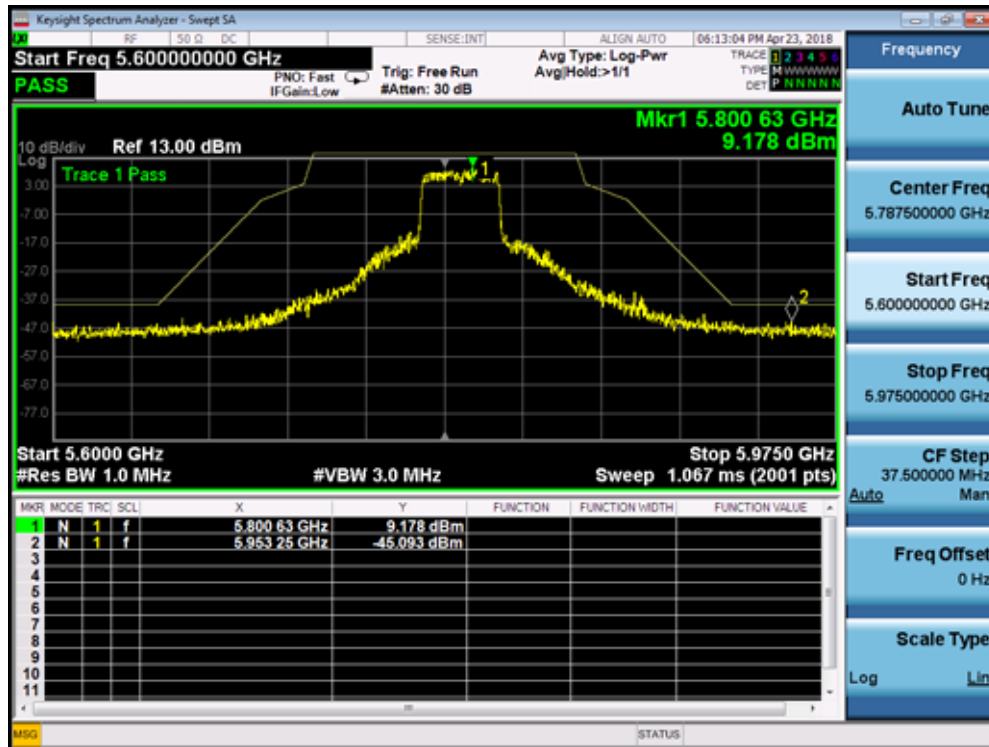
5510MHz by 802.11n(40MHz):



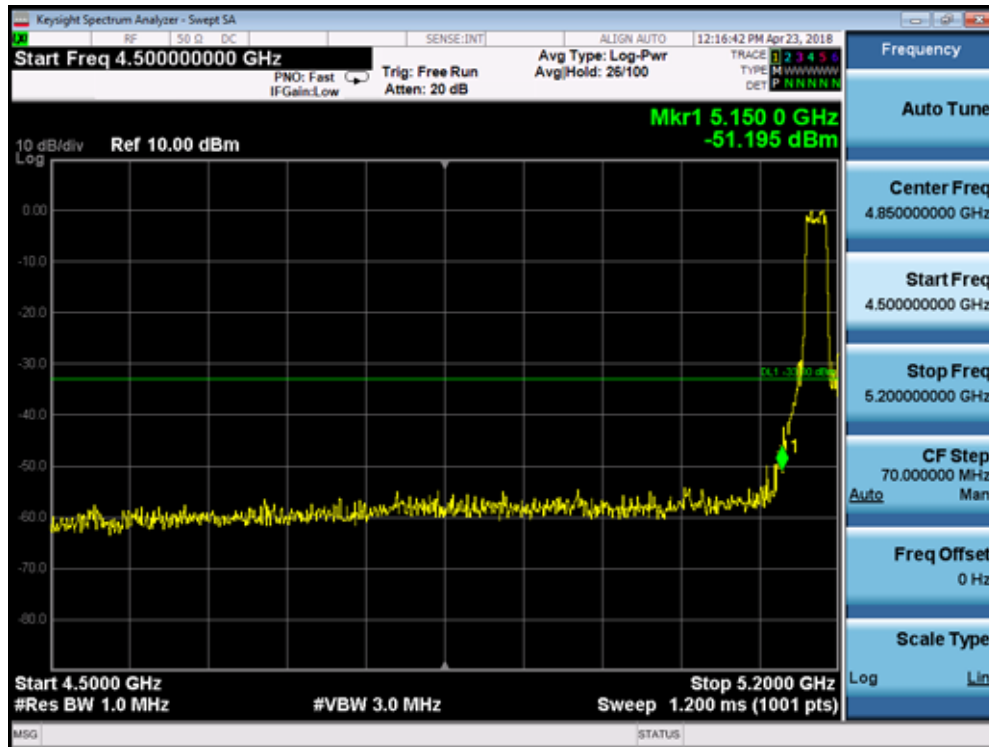
5755MHz by 802.11n(40MHz):



5795MHz by 802.11n(40MHz):



5180MHz by 802.11ac(20MHz):



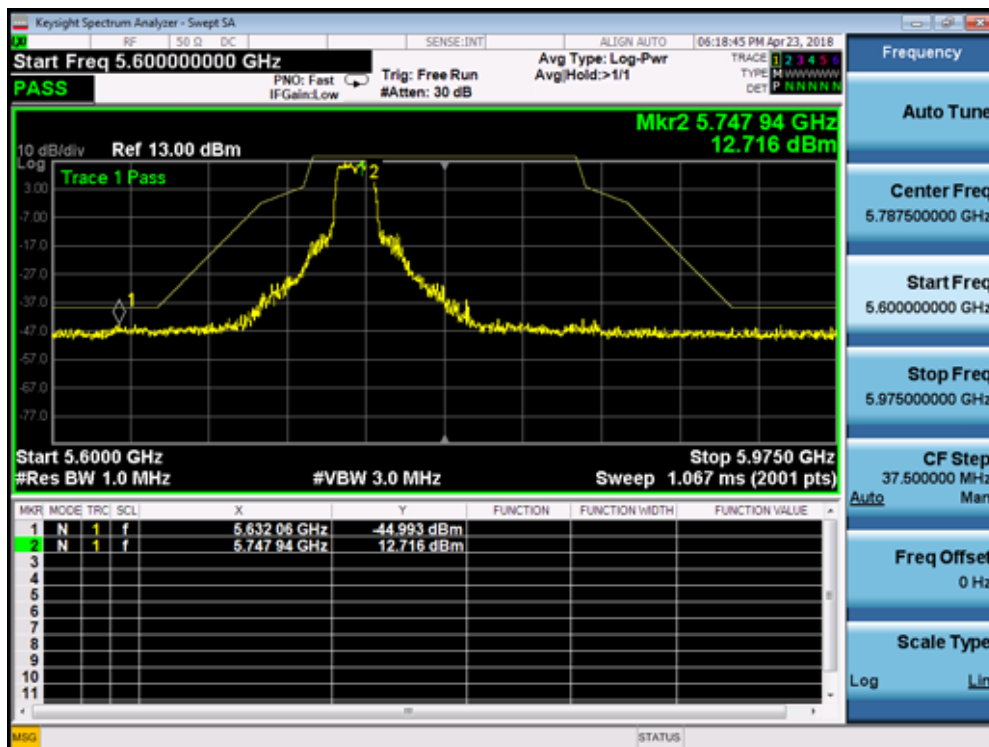
5320MHz by 802.11ac(20MHz):



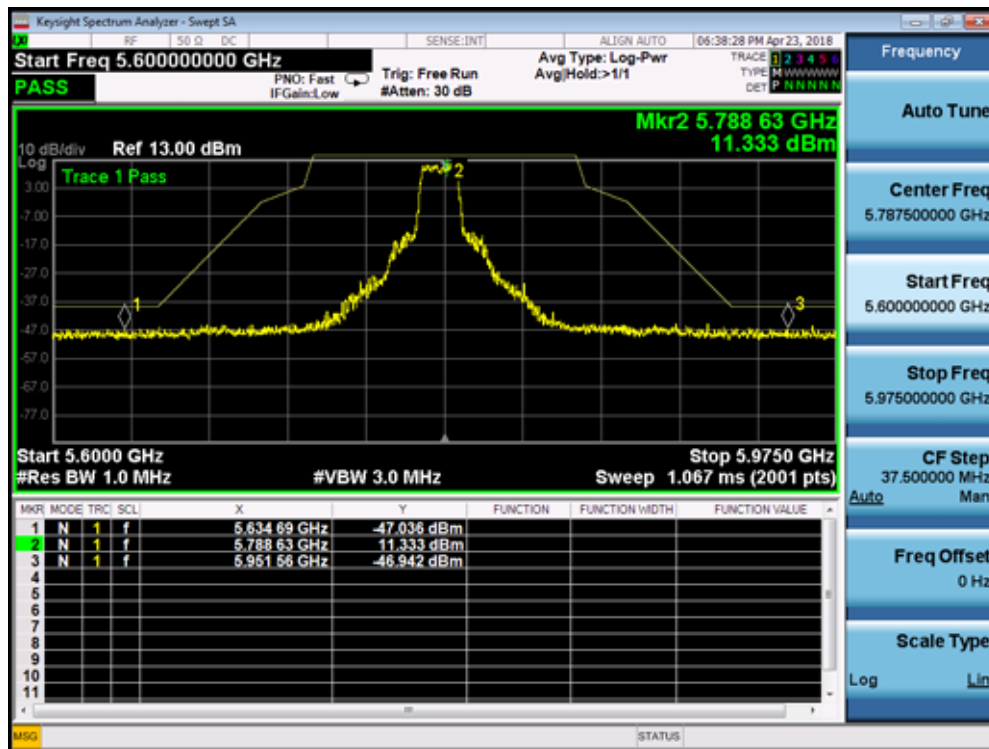
5500MHz by 802.11ac(20MHz):



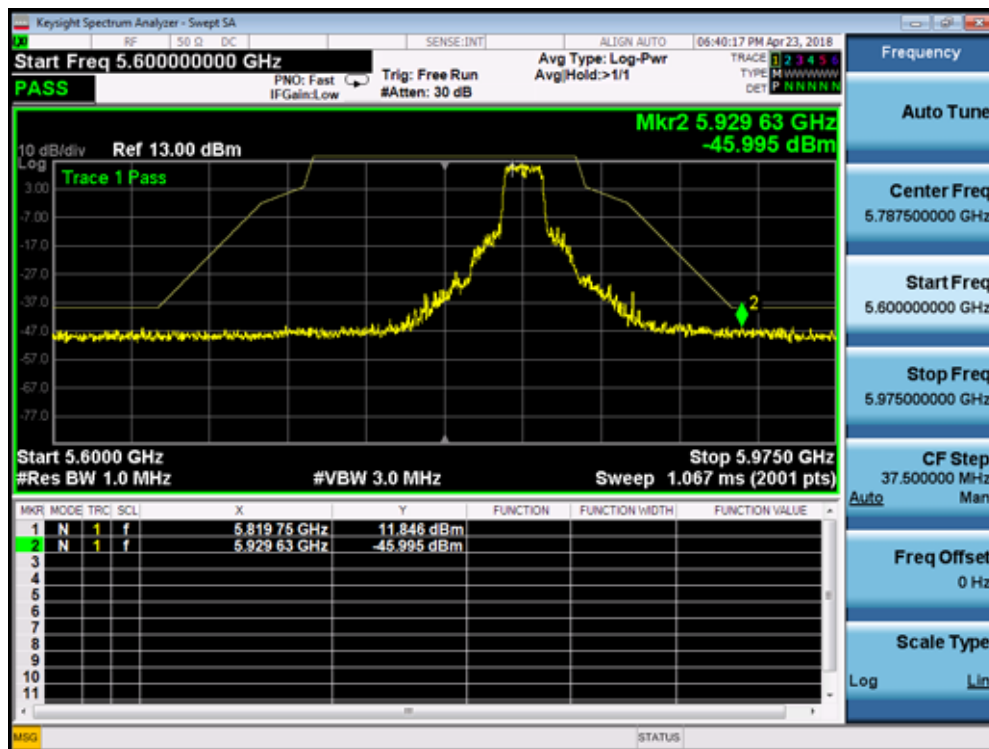
5745MHz by 802.11ac(20MHz):



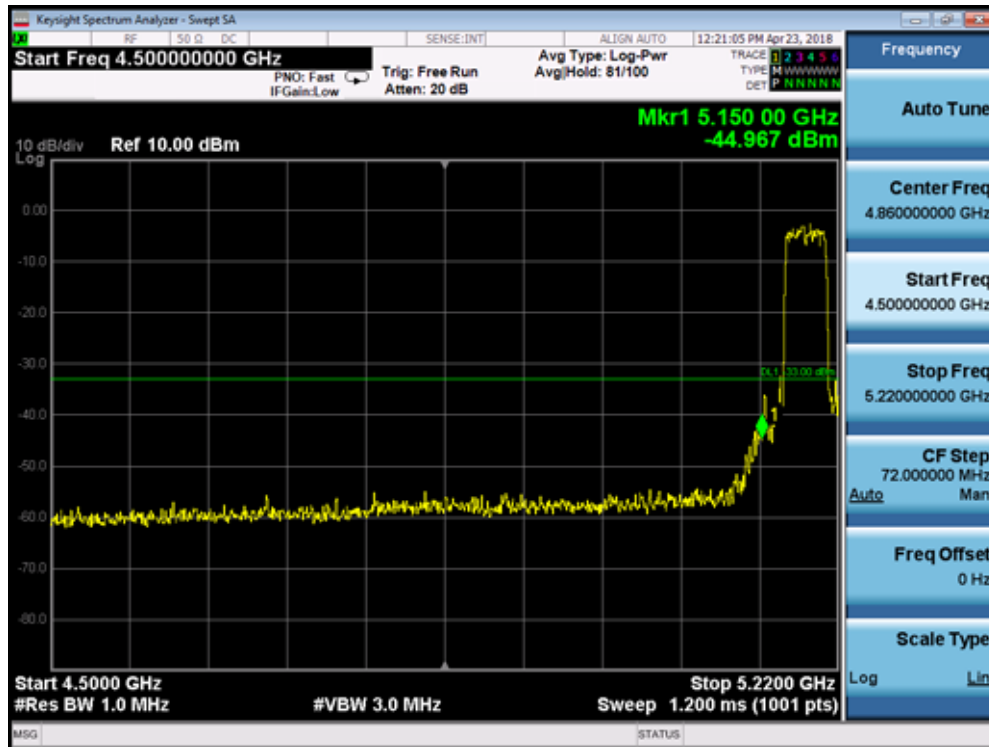
5785MHz by 802.11ac(20MHz):



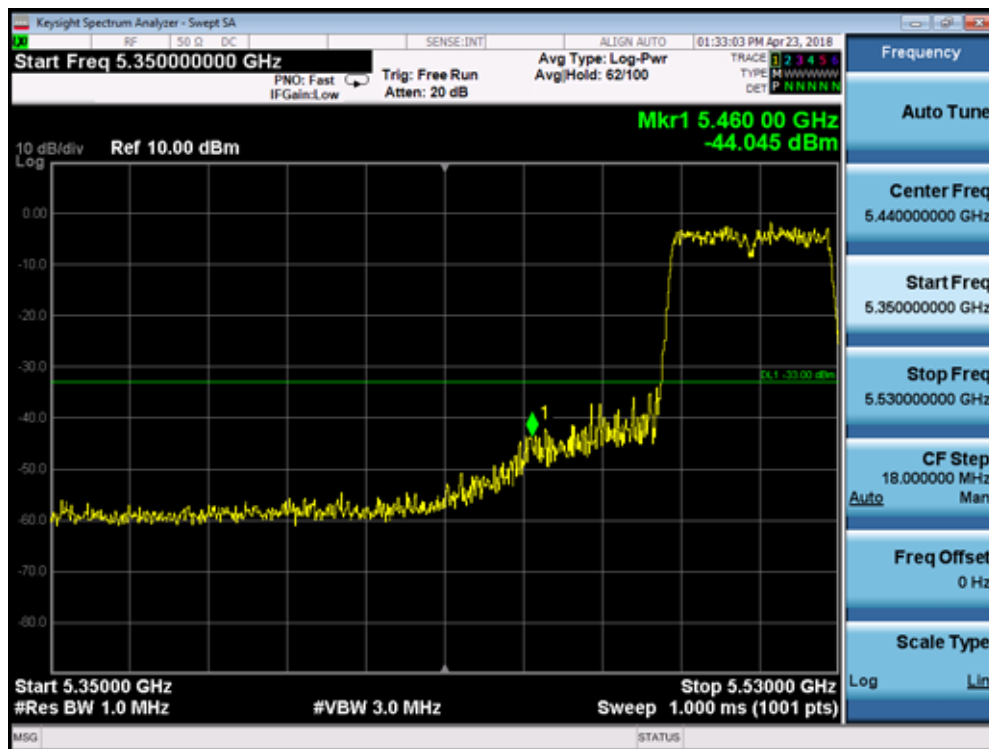
5825MHz by 802.11ac(20MHz):



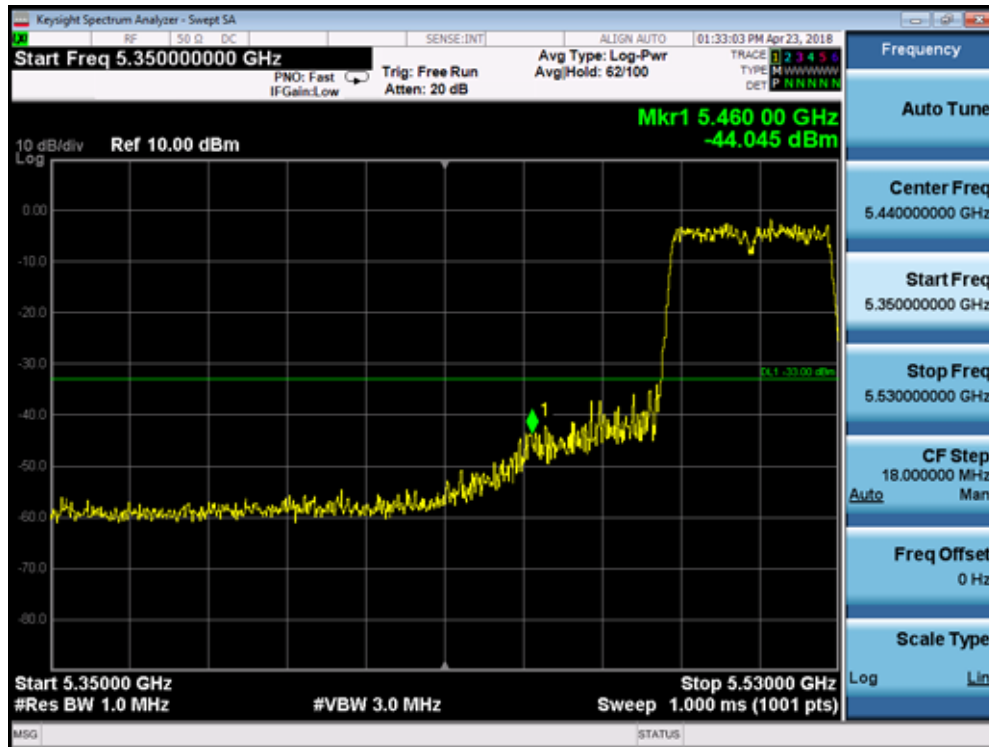
5190MHz by 802.11ac(40MHz):



5310MHz by 802.11ac(40MHz):



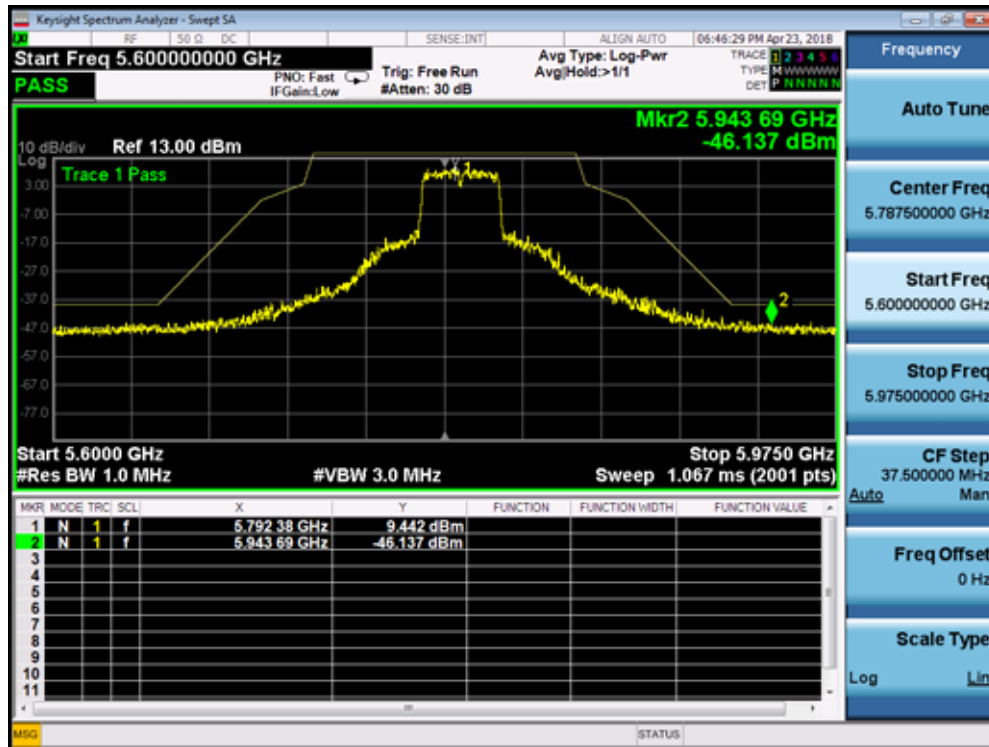
5510MHz by 802.11ac(40MHz):



5755MHz by 802.11ac(40MHz):



5795MHz by 802.11ac(40MHz):



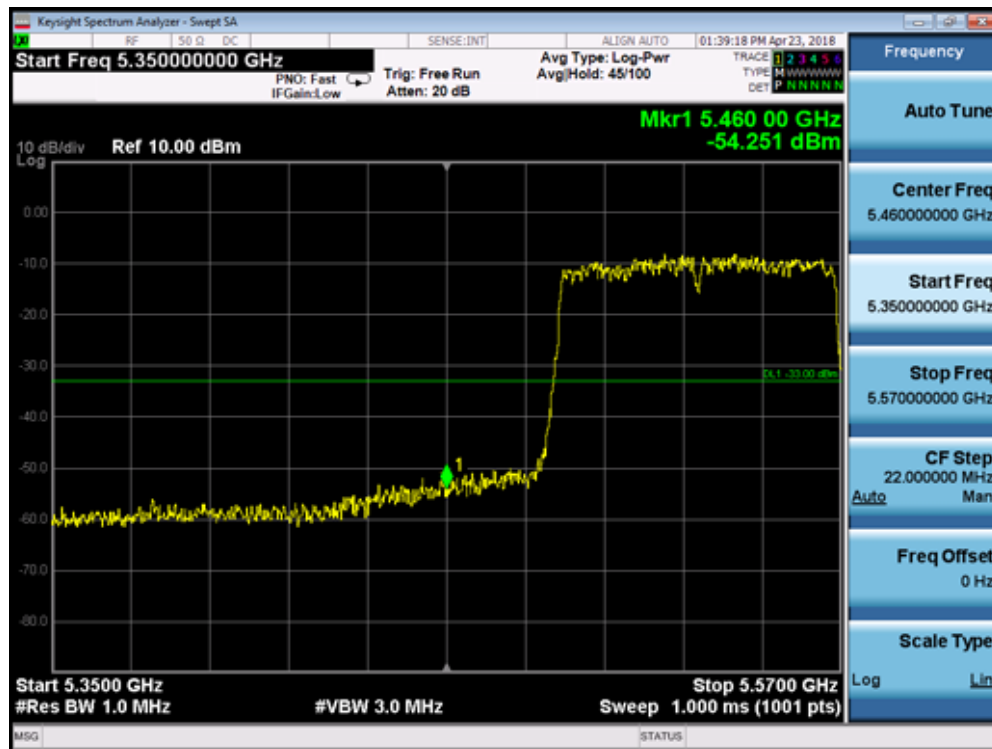
5210MHz by 802.11ac(80MHz):



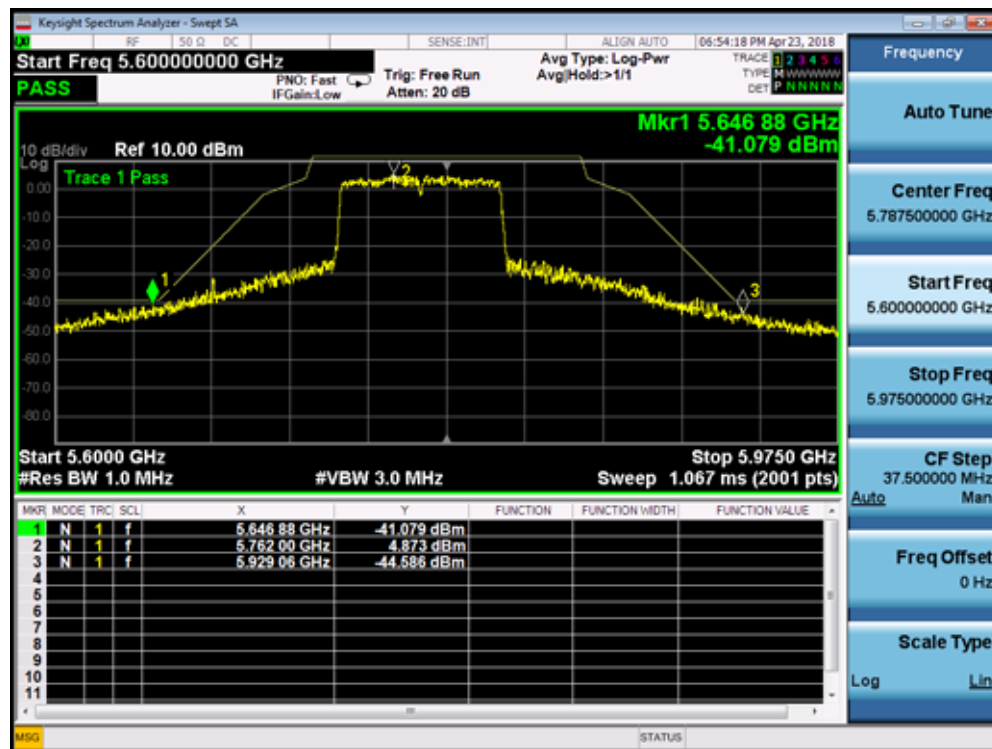
5290MHz by 802.11ac(80MHz):



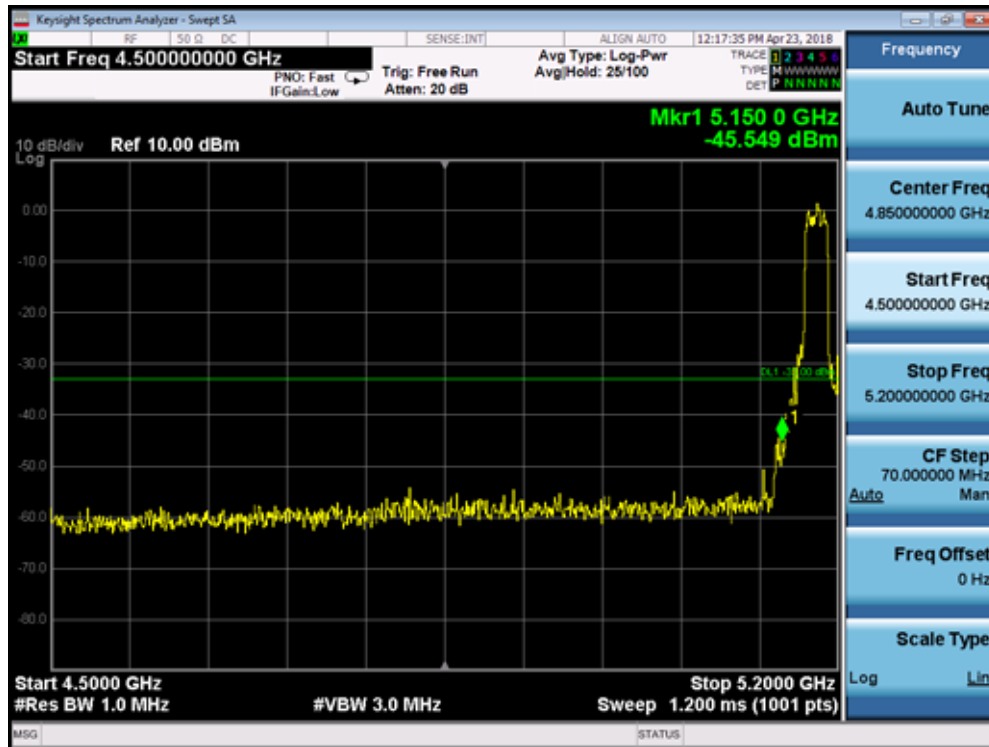
5530MHz by 802.11ac(80MHz):



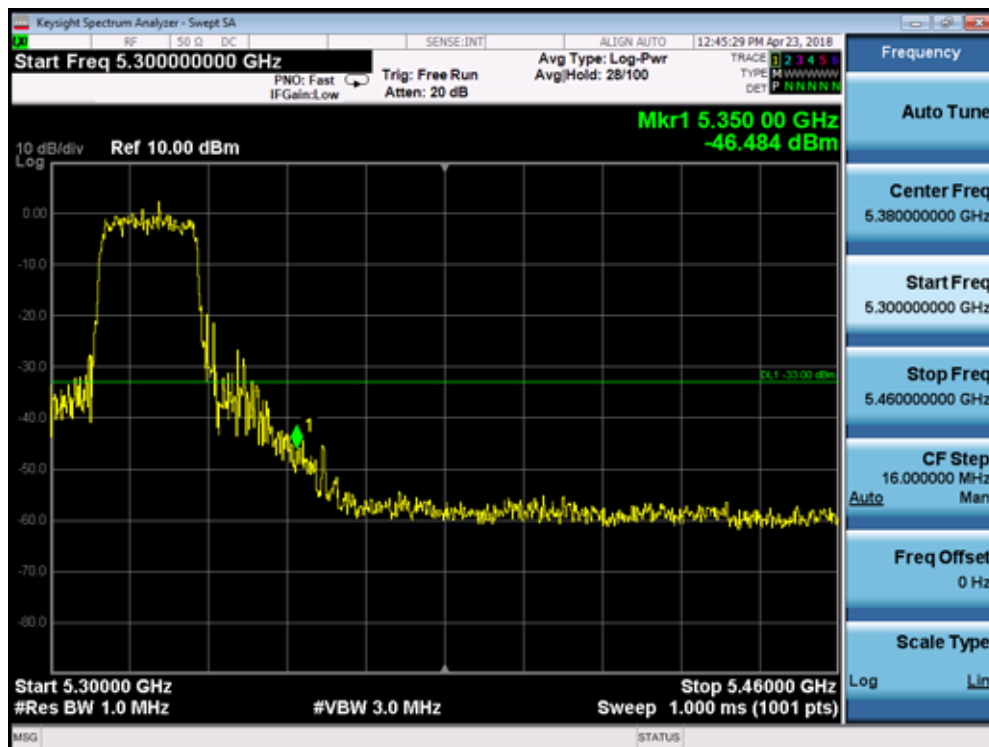
5775MHz by 802.11ac(80MHz):



5180MHz by 802.11ax(20MHz):



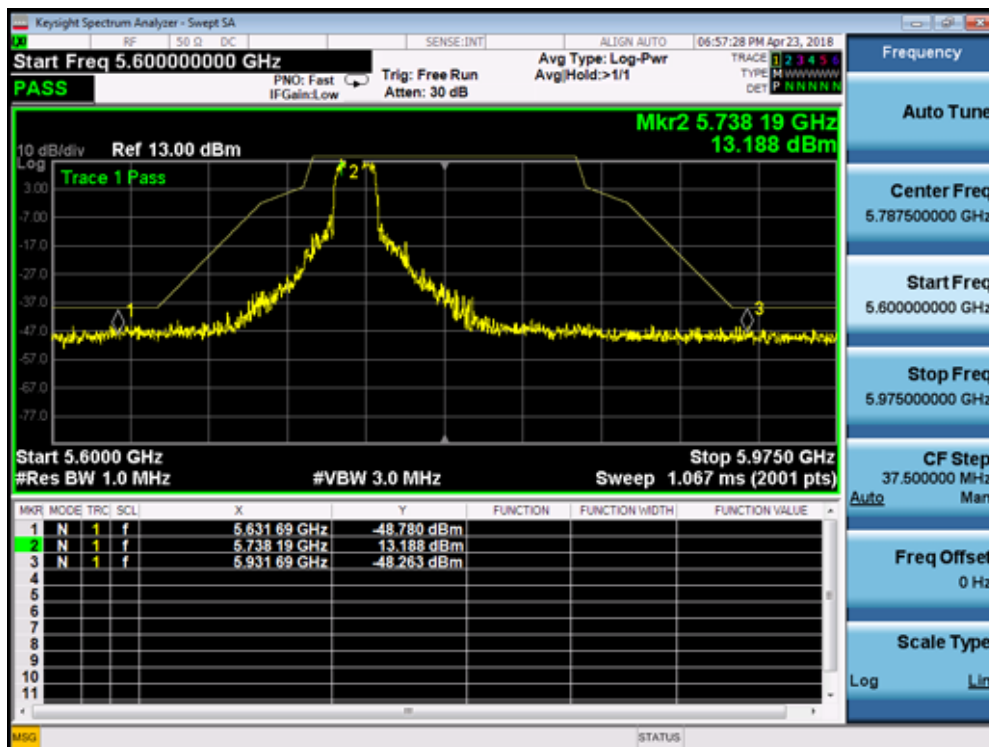
5320MHz by 802.11ax(20MHz):



5500MHz by 802.11ax(20MHz):



5745MHz by 802.11ax(20MHz):



The screenshot displays a Keysight Spectrum Analyzer interface. The main plot shows a signal trace with a peak at 5.92925 GHz. The y-axis is labeled '10 dB/div' and 'Ref 13.00 dBm'. The x-axis is labeled 'Start 5.6000 GHz' and 'Stop 5.9750 GHz'. The peak is labeled 'Mkr3 5.929 25 GHz' and '-47.173 dBm'. The trace is labeled 'Trace 1 Pass'.

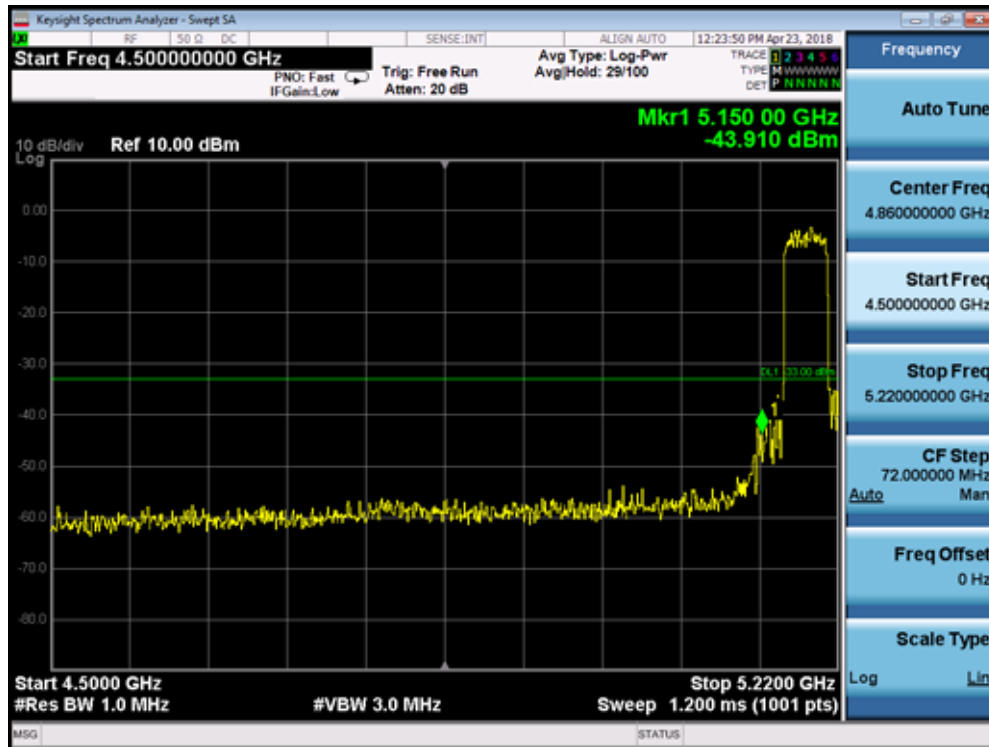
Below the plot, there is a table with the following columns: MKR, MODE, TRC, SCL, X, Y, FUNCTION, FUNCTION WIDTH, and FUNCTION VALUE. The table contains three rows of data:

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.642 38 GHz	-46.617 dBm			
2	N	1	f	5.789 56 GHz	12.489 dBm			
3	N	1	f	5.929 25 GHz	-47.173 dBm			

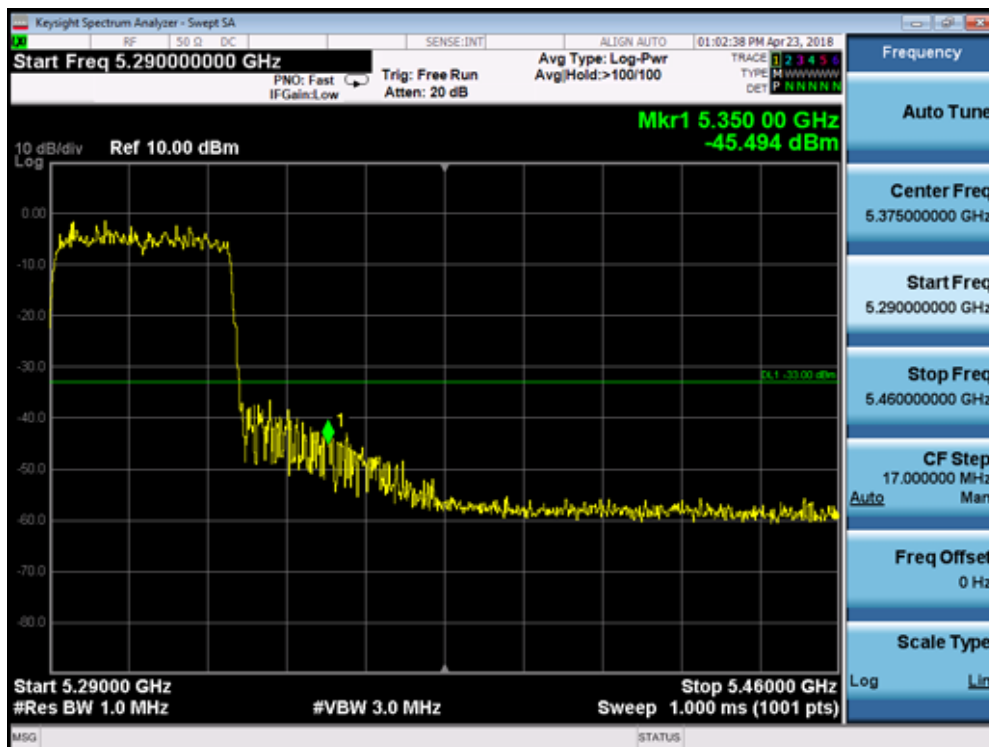
The right side of the image shows a sidebar with various settings and controls, including 'Frequency', 'Auto Tune', 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', 'Freq Offset', and 'Scale Type'.

[illegible]

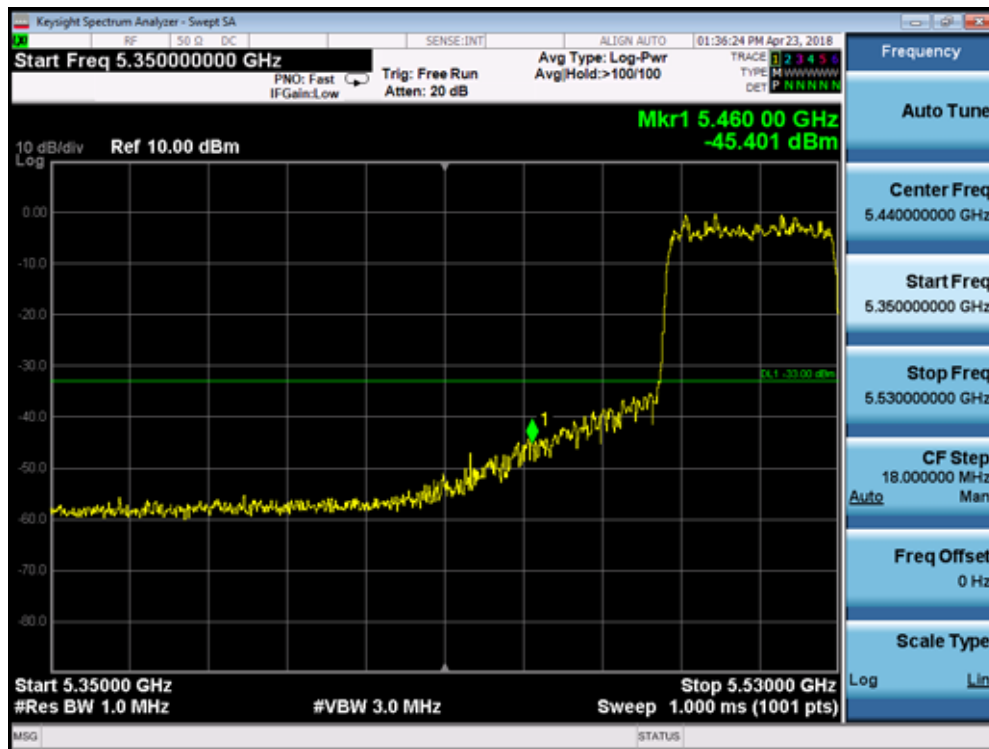
5190MHz by 802.11ax(40MHz):



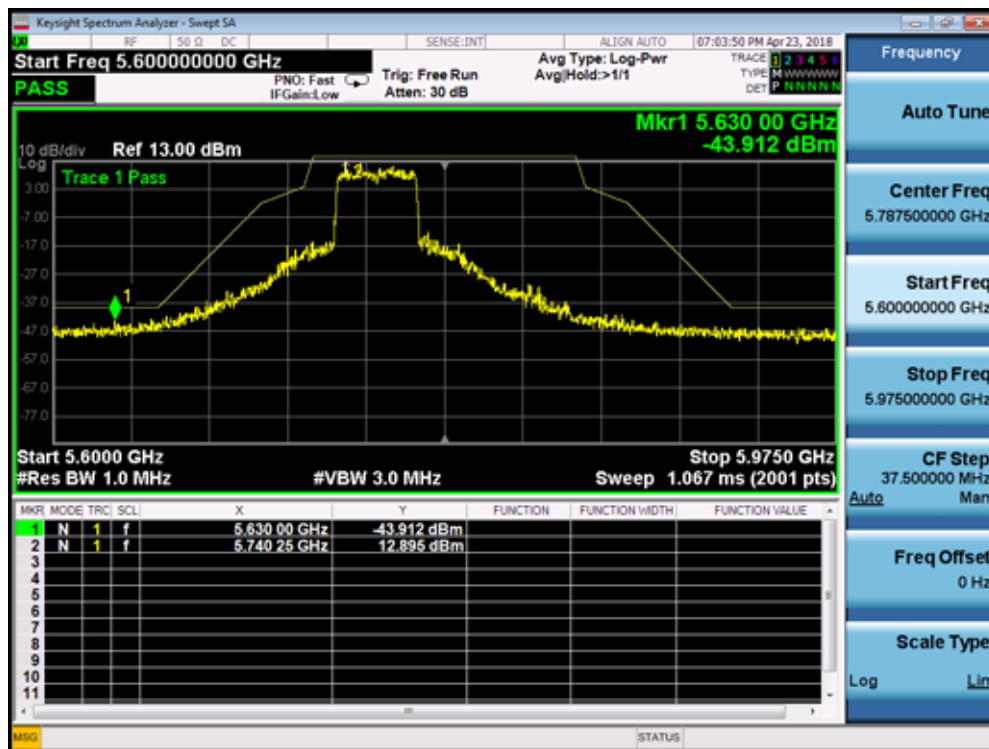
5310MHz by 802.11ax(40MHz):



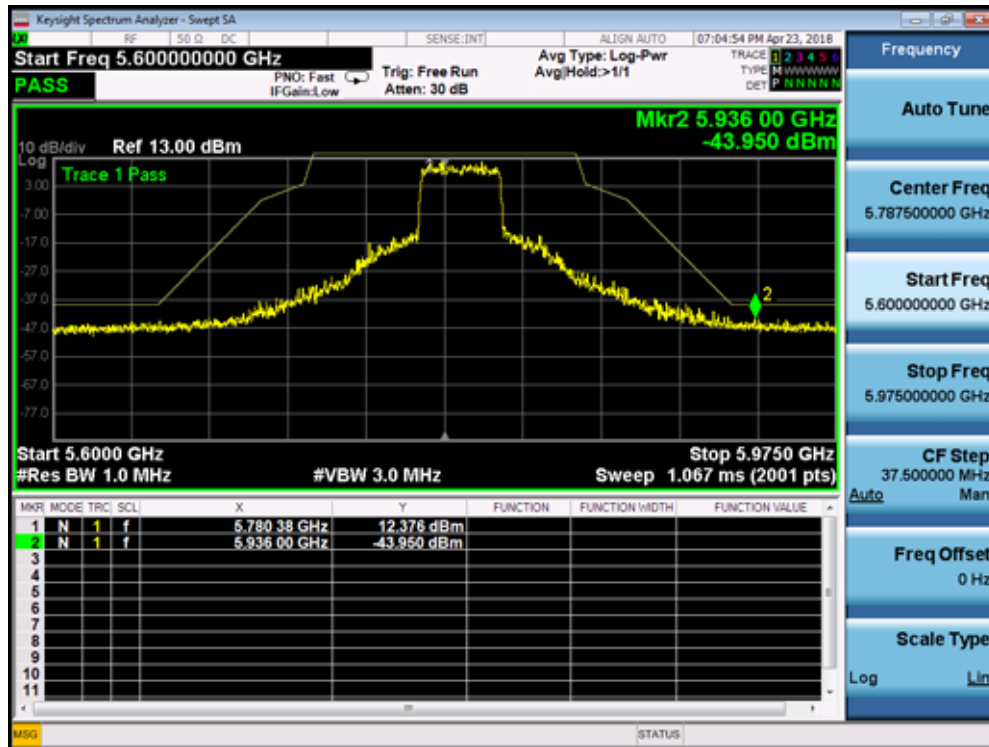
5510MHz by 802.11ax(40MHz):



5755MHz by 802.11ax(40MHz):



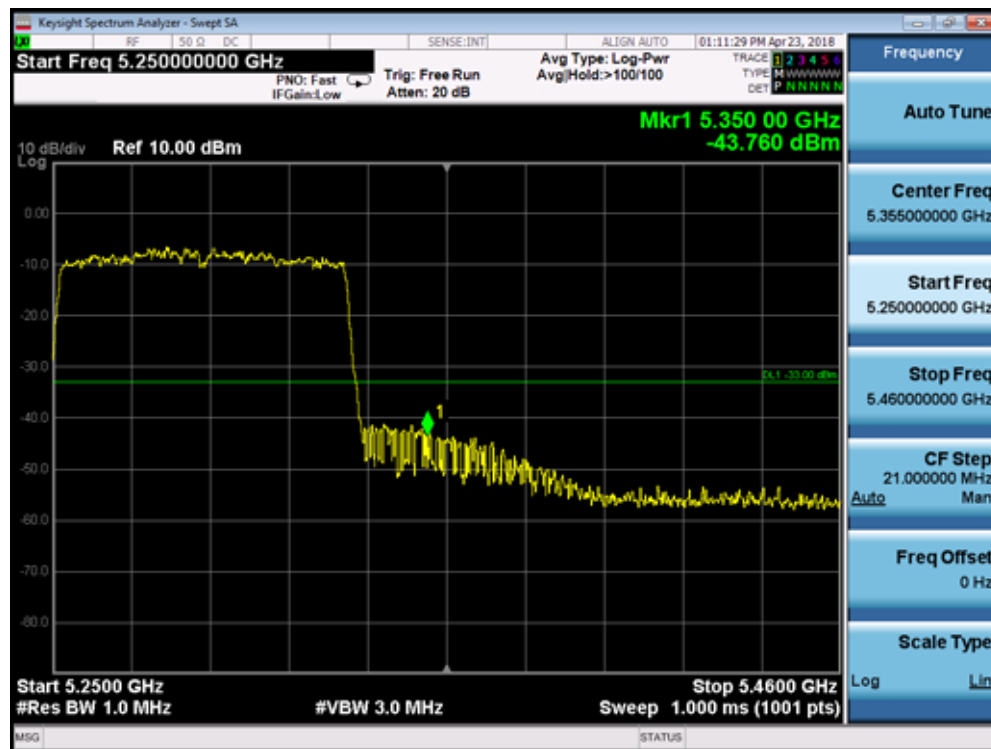
5795MHz by 802.11ax(40MHz):



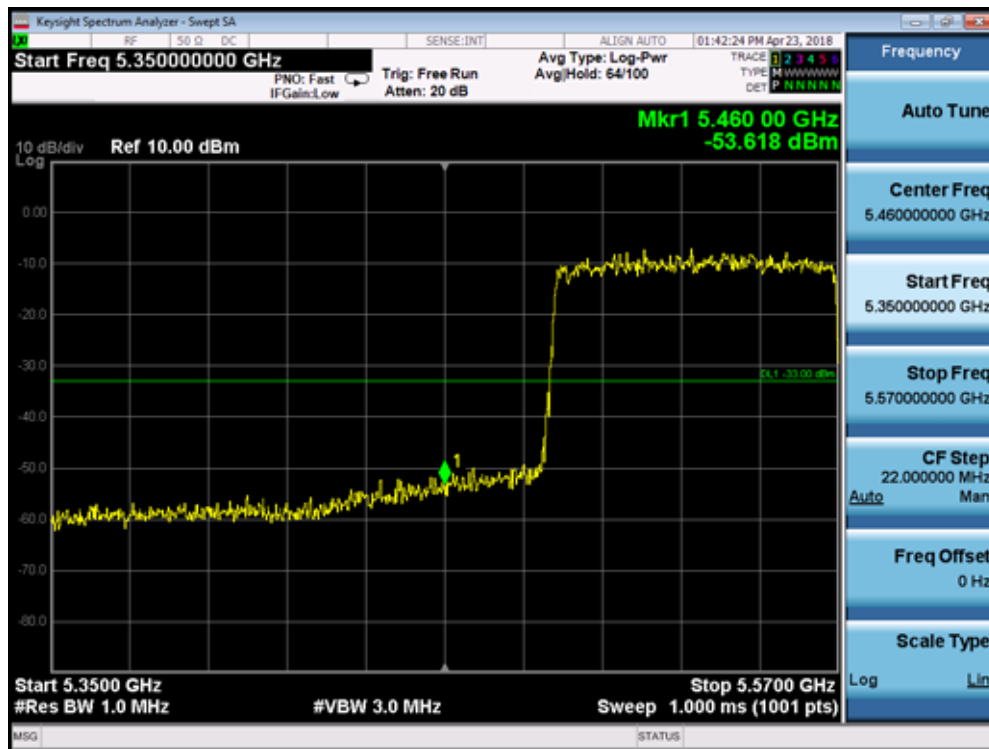
5210MHz by 802.11ax(80MHz):



5290MHz by 802.11ax(80MHz):



5530MHz by 802.11ax(80MHz):



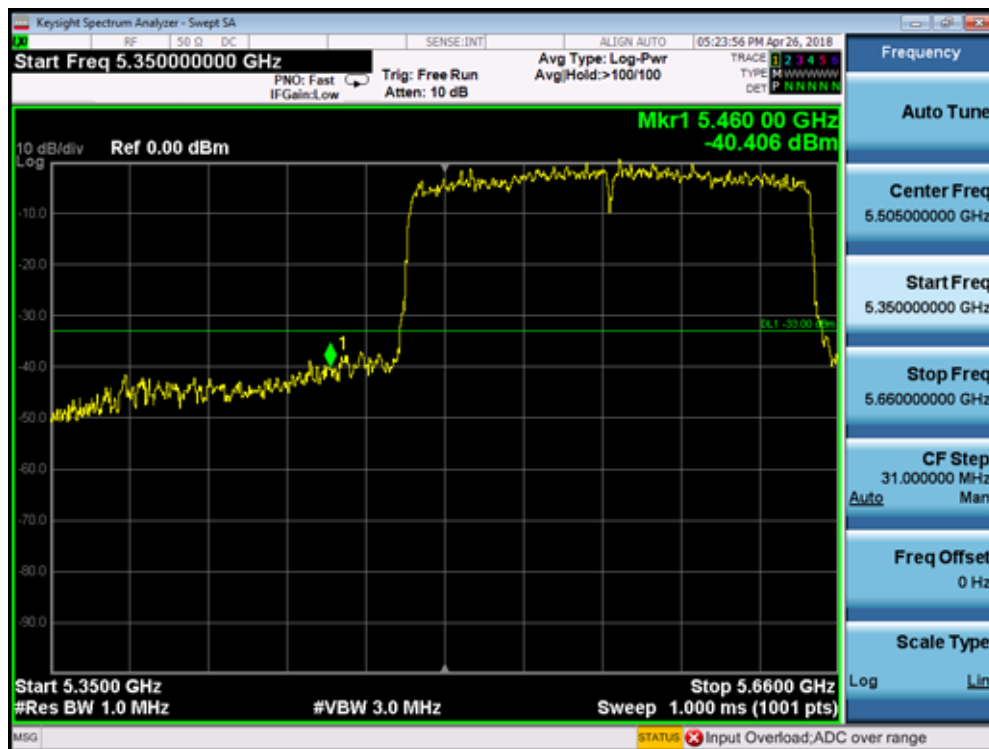
5775MHz by 802.11ax(80MHz):



5250MHz by 802.11ax(160MHz):



5570MHz by 802.11ax(160MHz):



AV-Ant 1+2+3+4 with Beam-forming:

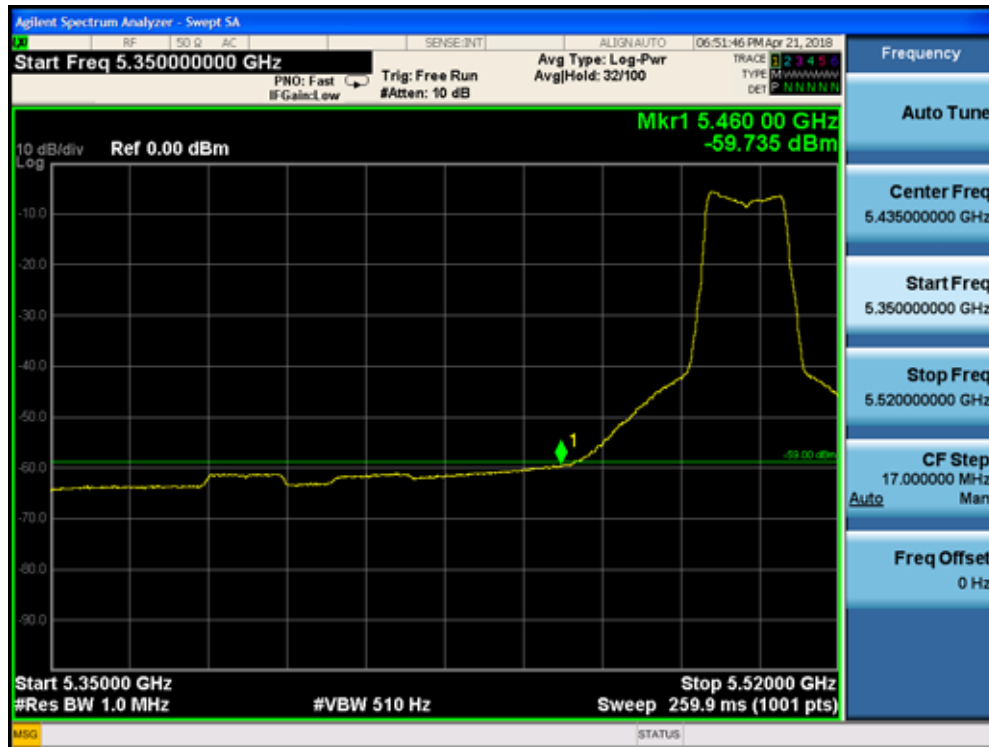
Band I AV Limit=54 dBuV/m-95.2-10lg4(4tx)-11.5(Directional Gain)-0.23(cable loss)=-59dbm
5180MHz by 802.11a:



5320MHz by 802.11a:



5500MHz by 802.11a:



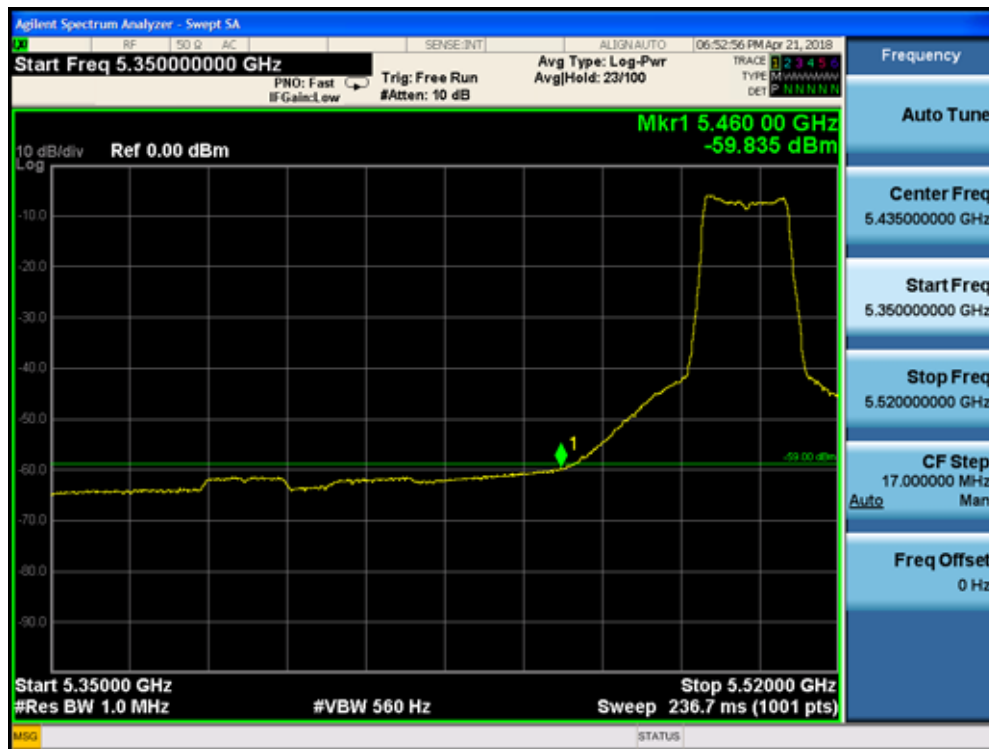
5180MHz by 802.11n(20MHz):



5320MHz by 802.11n(20MHz):



5500MHz by 802.11n(20MHz):



5190MHz by 802.11n(40MHz):



5310MHz by 802.11n(40MHz):



5510MHz by 802.11n(40MHz):



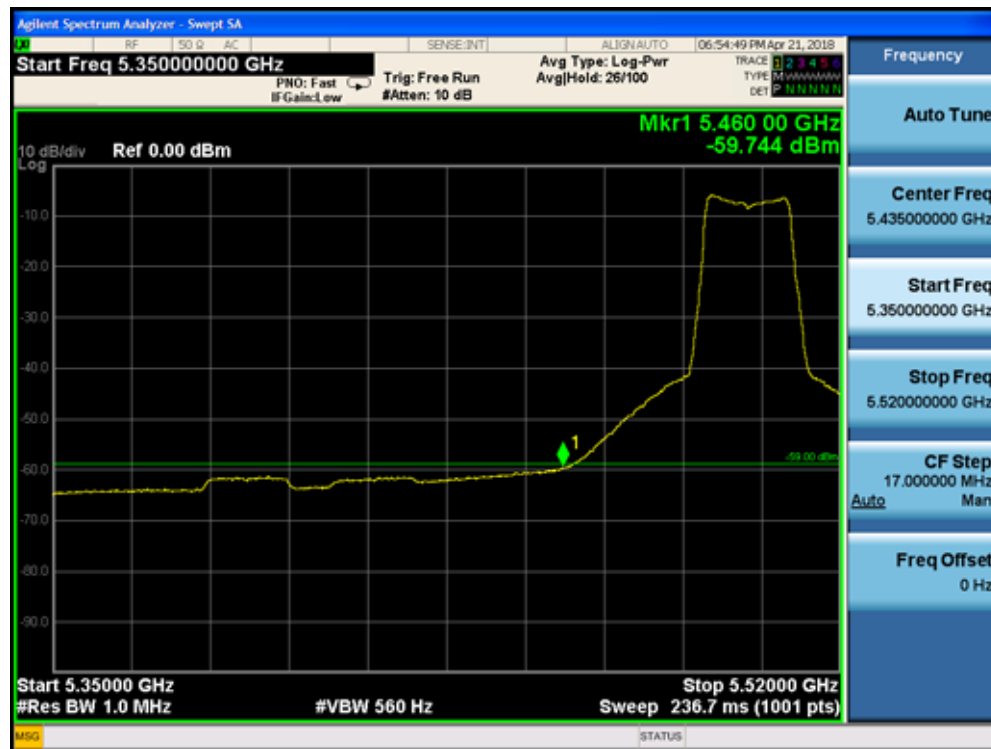
5180MHz by 802.11ac(20MHz):



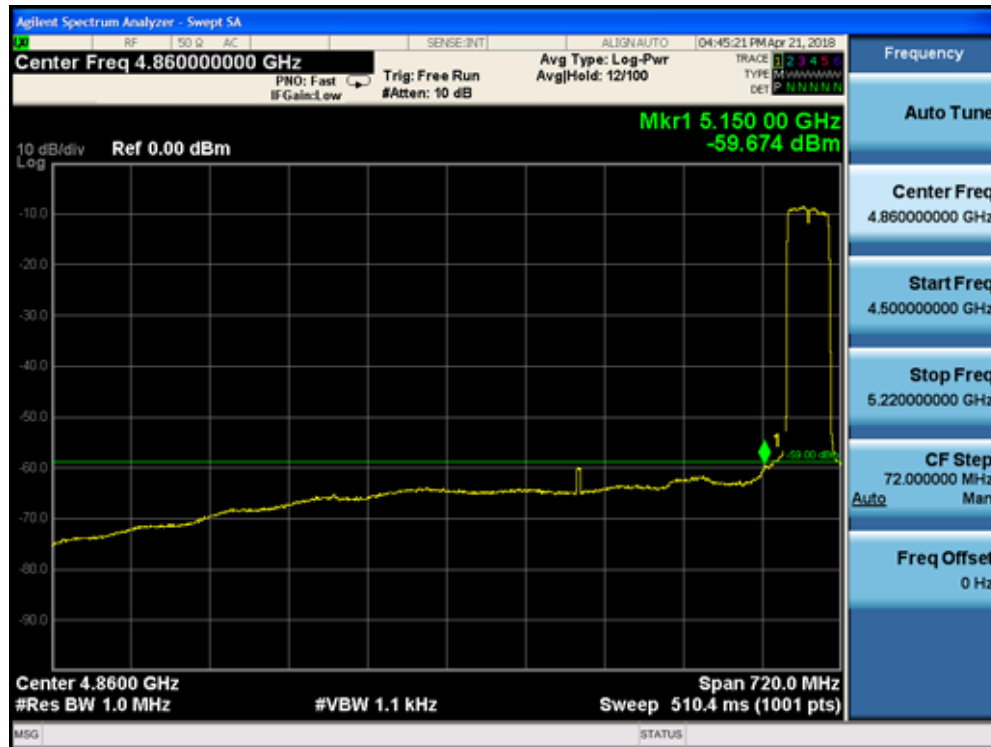
5320MHz by 802.11ac(20MHz):



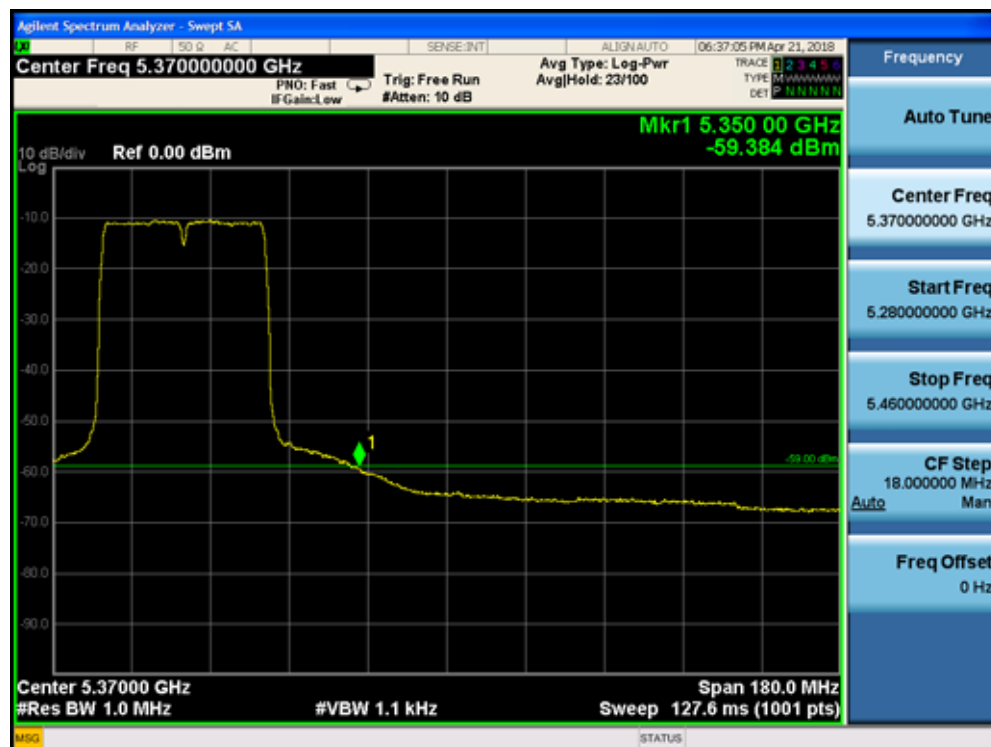
5500MHz by 802.11ac(20MHz):



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):

