

AV-Ant 1+2 with CDD:

Band I AV Limit= $54 \text{ dBuV/m} - 95.2 - 10 \lg(2tx) - 8.5 (\text{Directional Gain}) - 0.17 (\text{cable loss}) = -53 \text{ dBm}$
5180MHz by 802.11a:



5320MHz by 802.11a:



5500MHz by 802.11a:



5180MHz by 802.11n(20MHz):



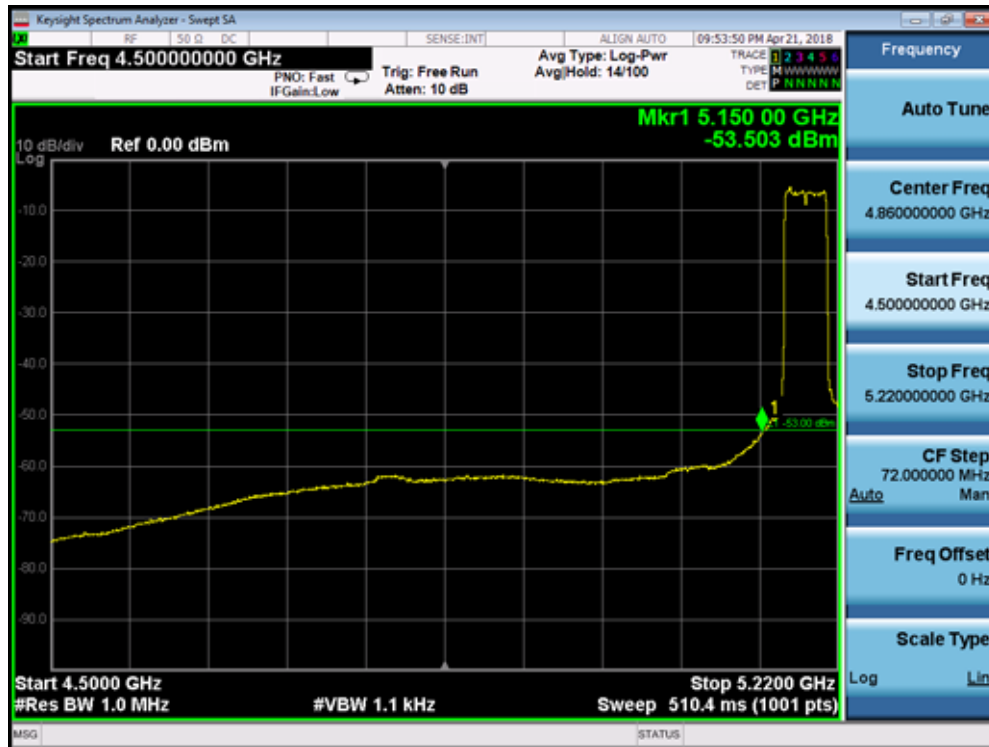
5320MHz by 802.11n(20MHz):



5500MHz by 802.11n(20MHz):



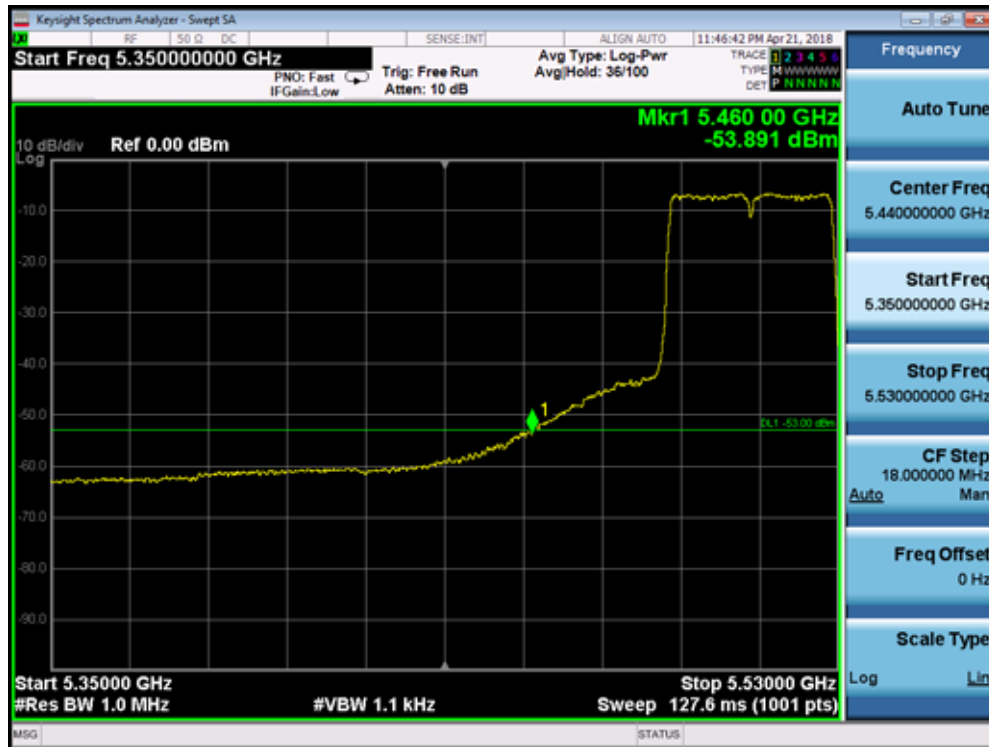
5190MHz by 802.11n(40MHz):



5310MHz by 802.11n(40MHz):



5510MHz by 802.11n(40MHz):



5180MHz by 802.11ac(20MHz):



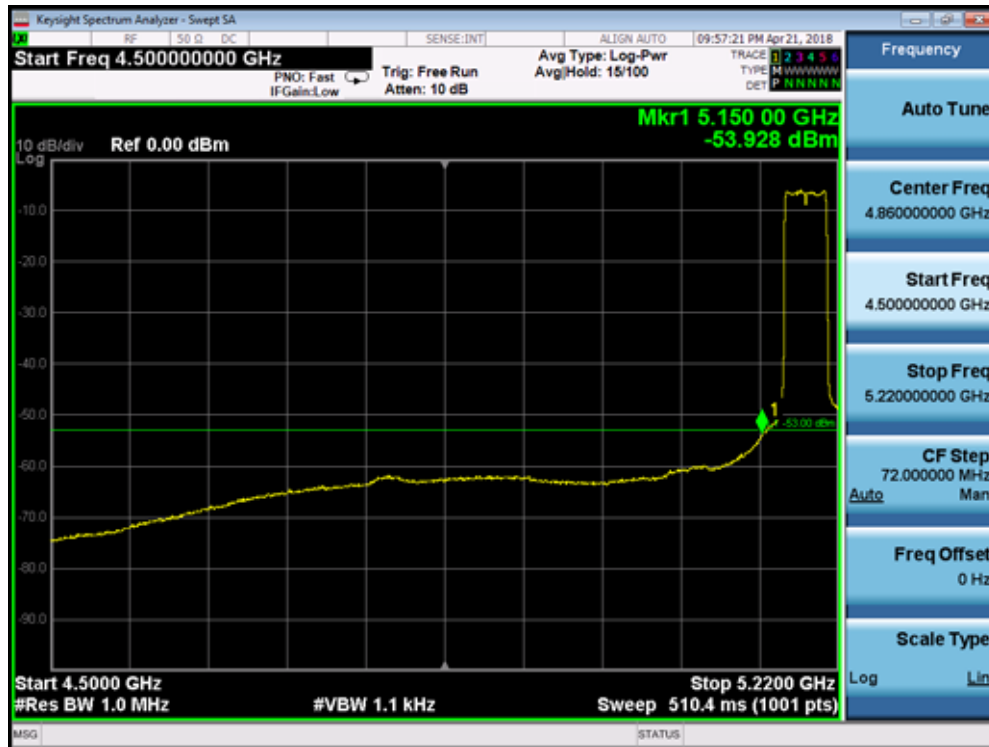
5320MHz by 802.11ac(20MHz):



5500MHz by 802.11ac(20MHz):



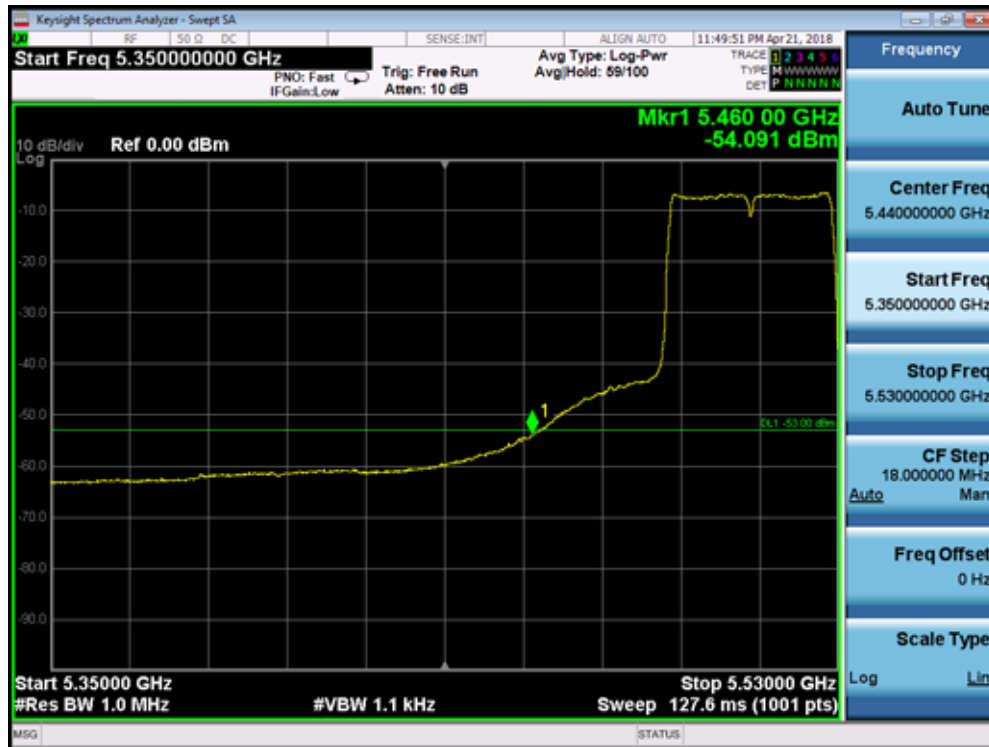
5190MHz by 802.11ac(40MHz):



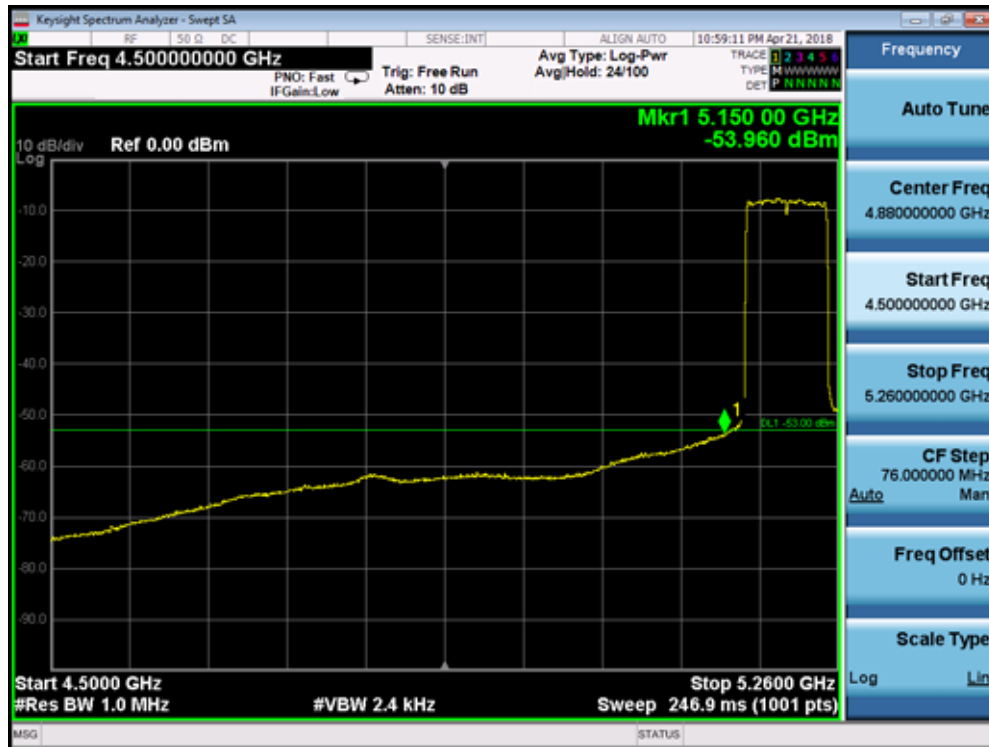
5310MHz by 802.11ac(40MHz):



5510MHz by 802.11ac(40MHz):



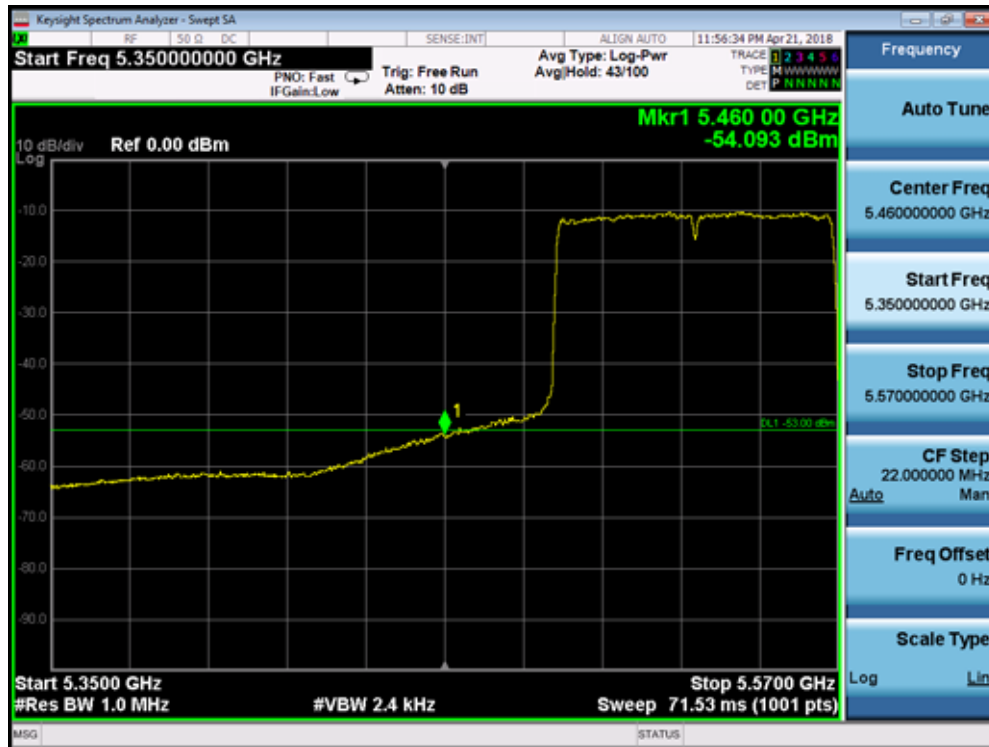
5210MHz by 802.11ac(80MHz):



5290MHz by 802.11ac(80MHz):



5530MHz by 802.11ac(80MHz):



5180MHz by 802.11ax(20MHz):



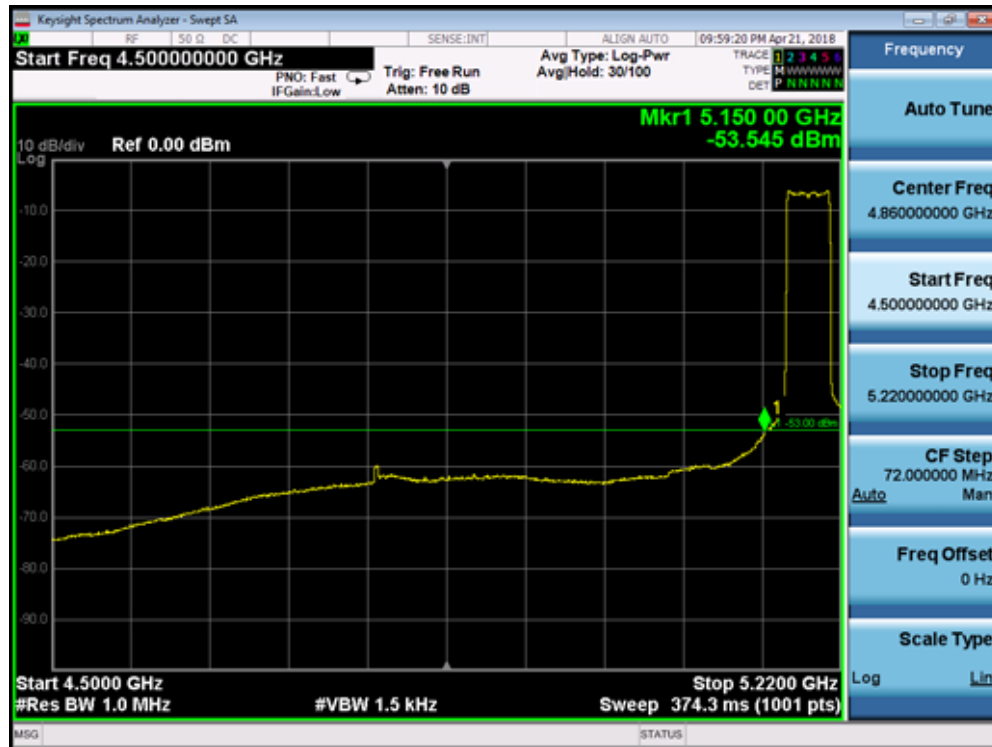
5320MHz by 802.11ax(20MHz):



5500MHz by 802.11ax(20MHz):



5190MHz by 802.11ax(40MHz):



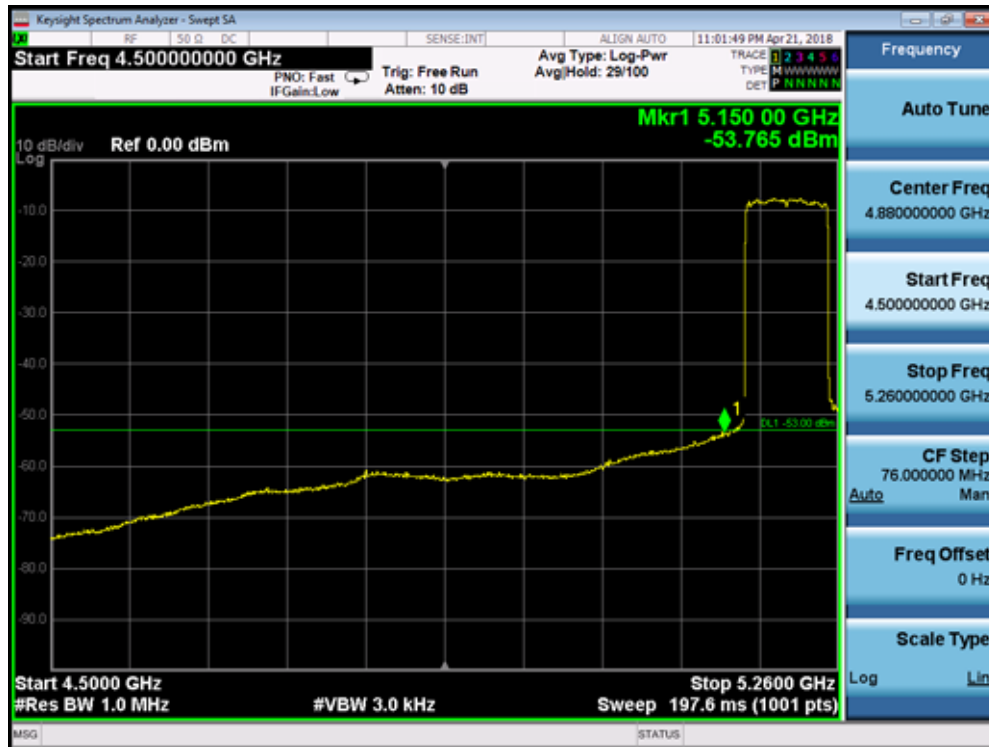
5310MHz by 802.11ax(40MHz):



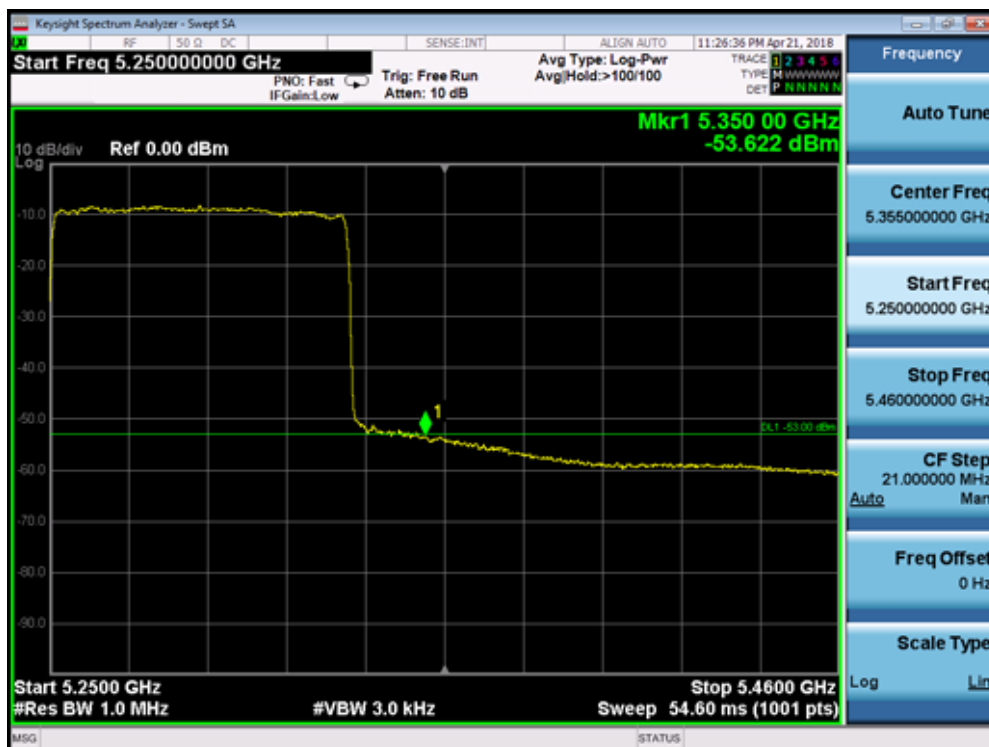
5510MHz by 802.11ax(40MHz):



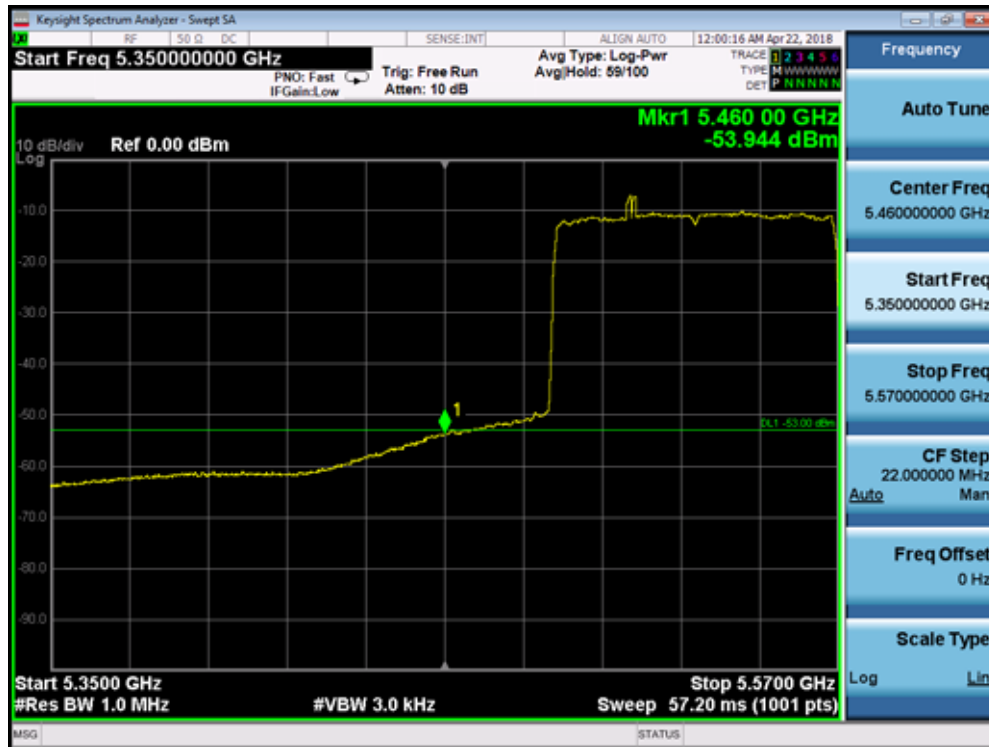
5210MHz by 802.11ax(80MHz):



5290MHz by 802.11ax(80MHz):



5530MHz by 802.11ax(80MHz):



5250MHz by 802.11ax(160MHz):

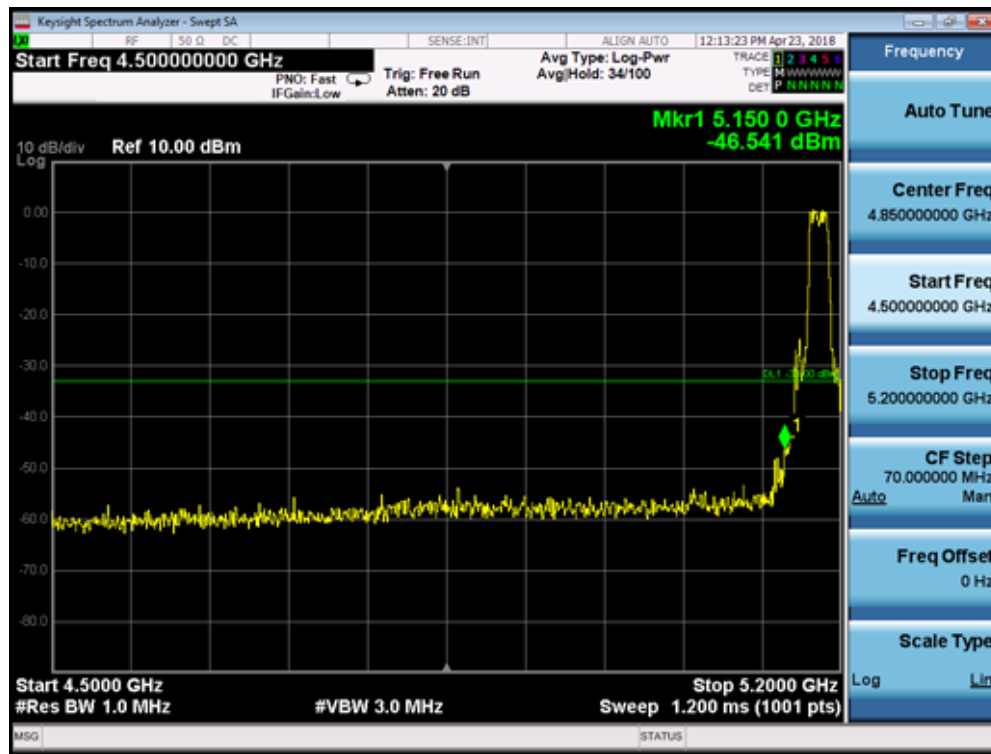


5570MHz by 802.11ax(160MHz):

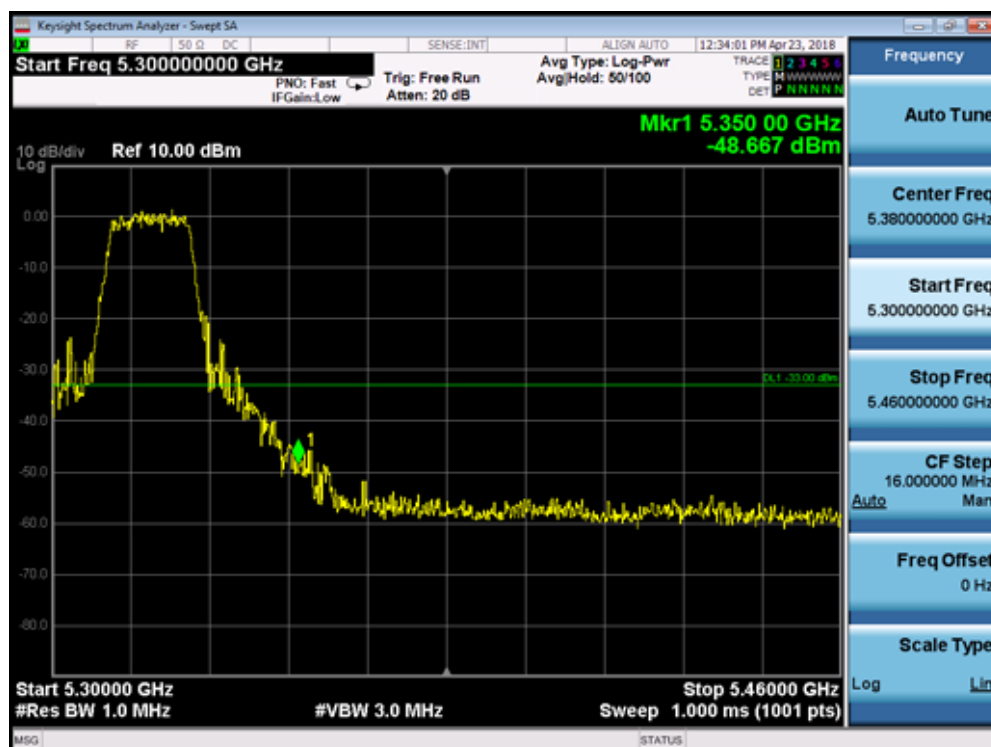


PK-Ant 1+2 with CDD:

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:

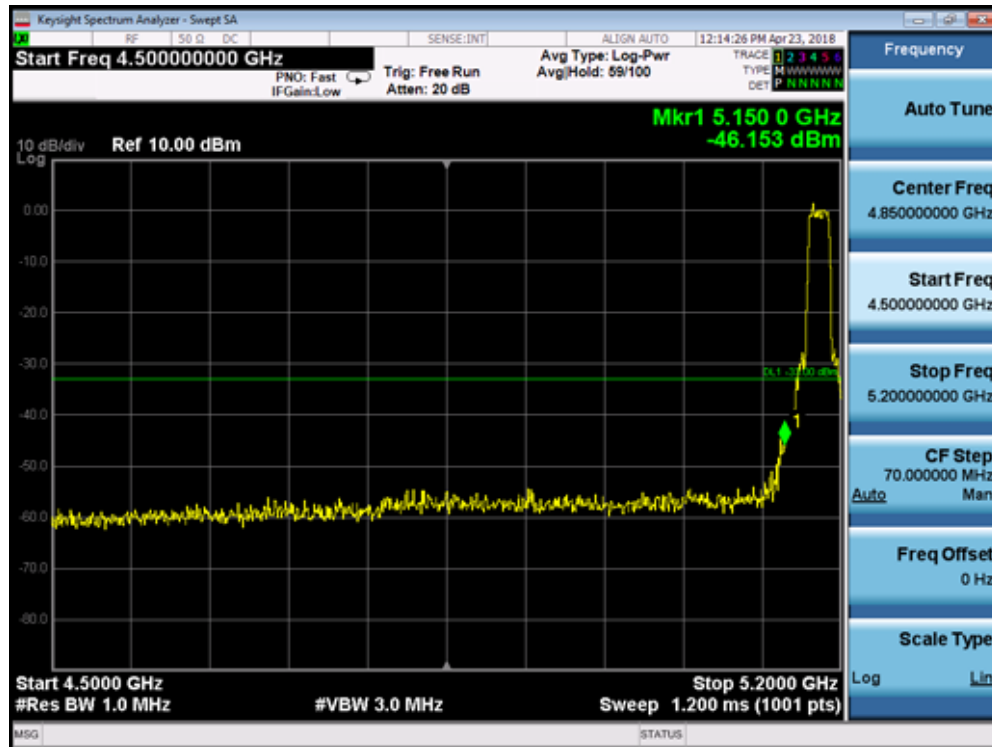


5745MHz by 802.11a:



[illegible][illegible]

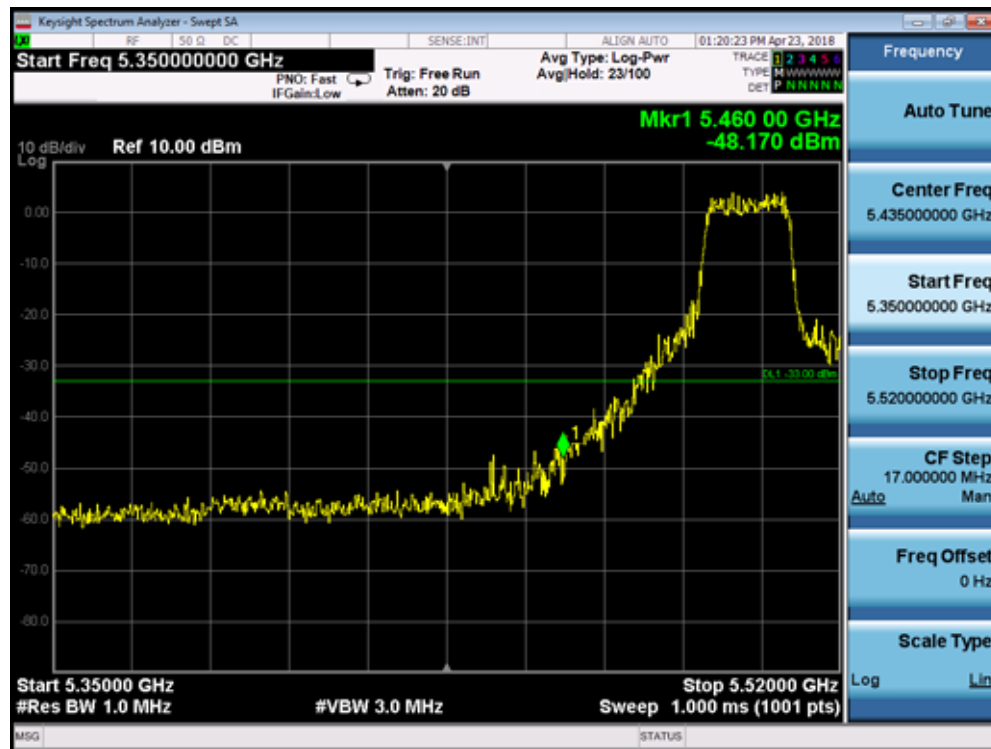
5180MHz by 802.11n(20MHz):



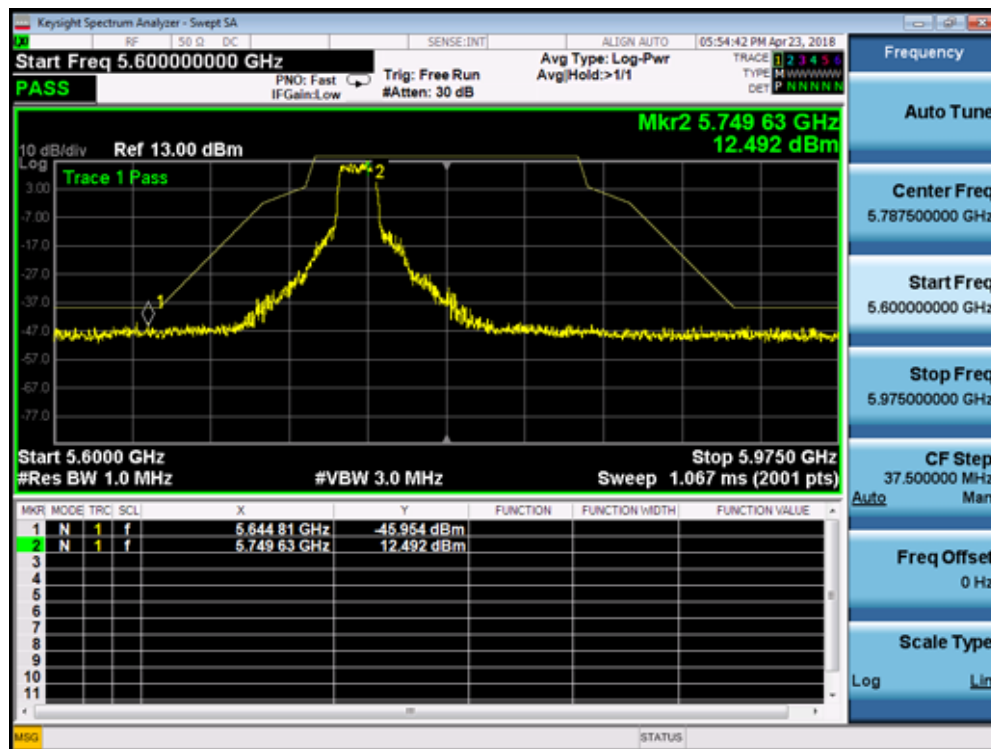
5320MHz by 802.11n(20MHz):



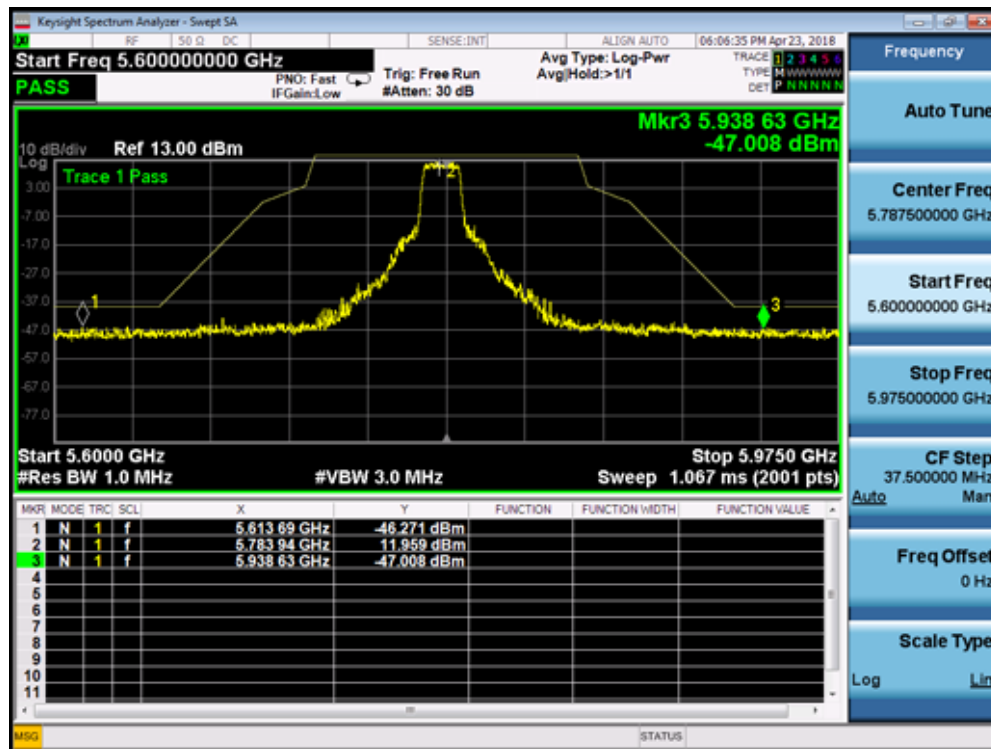
5500MHz by 802.11n(20MHz):



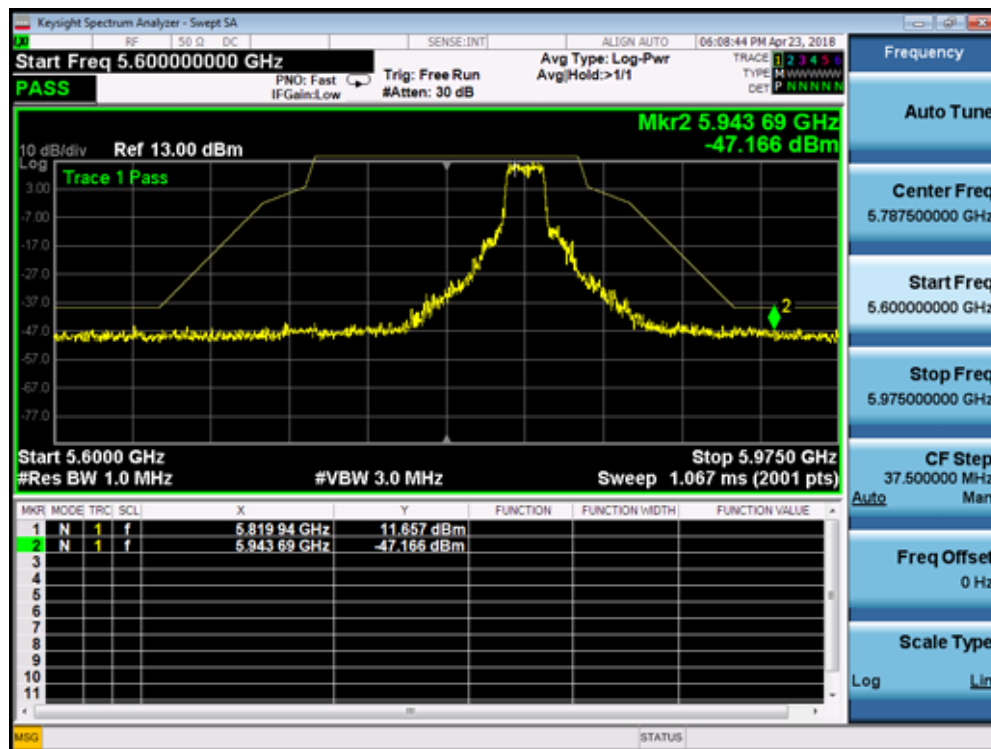
5745MHz by 802.11n(20MHz):



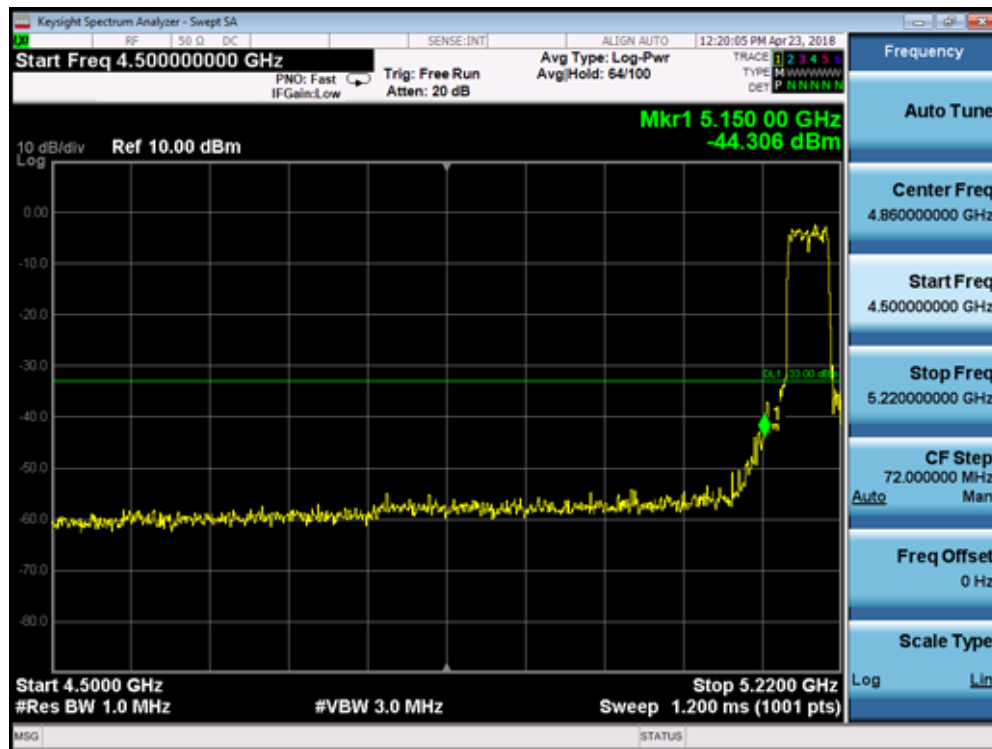
5785MHz by 802.11n(20MHz):



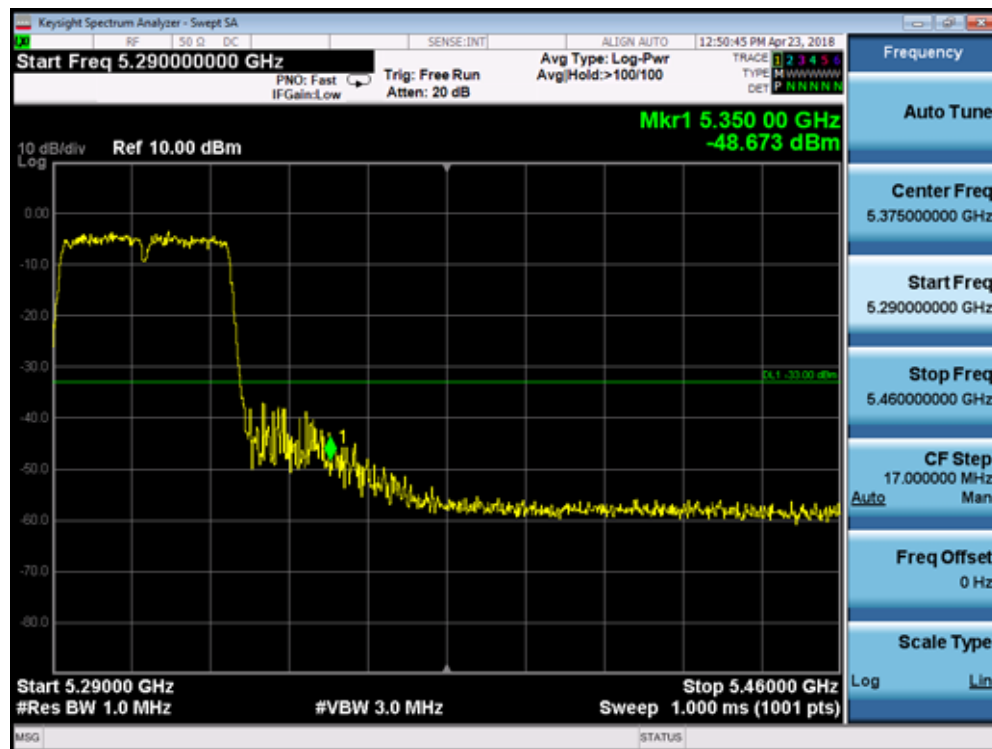
5825MHz by 802.11n(20MHz):



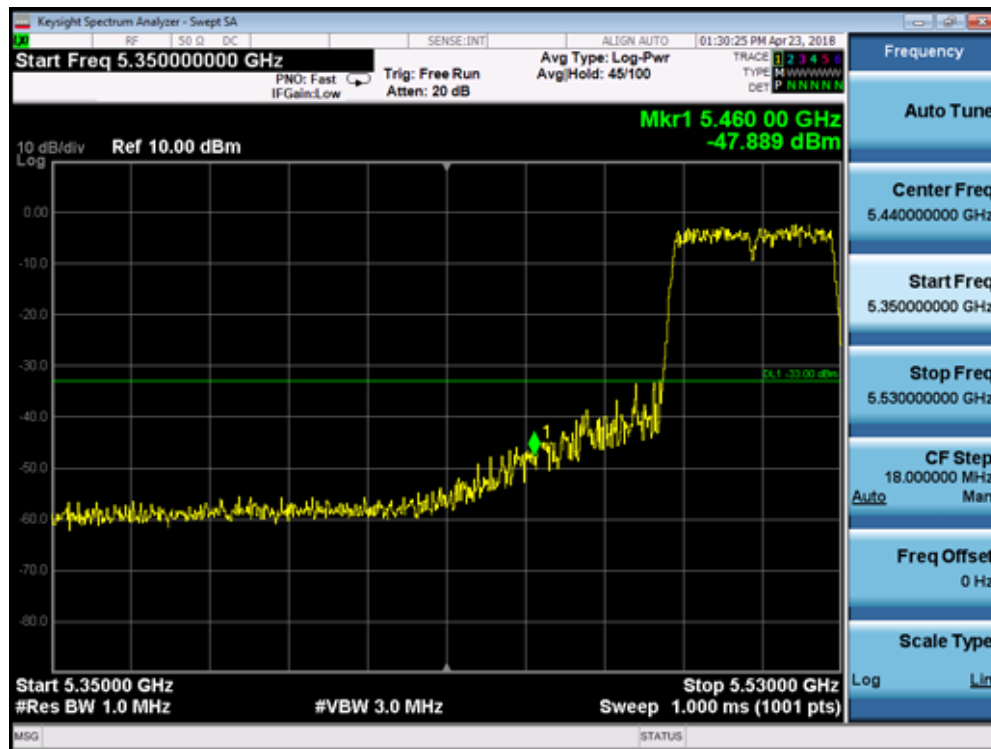
5190MHz by 802.11n(40MHz):



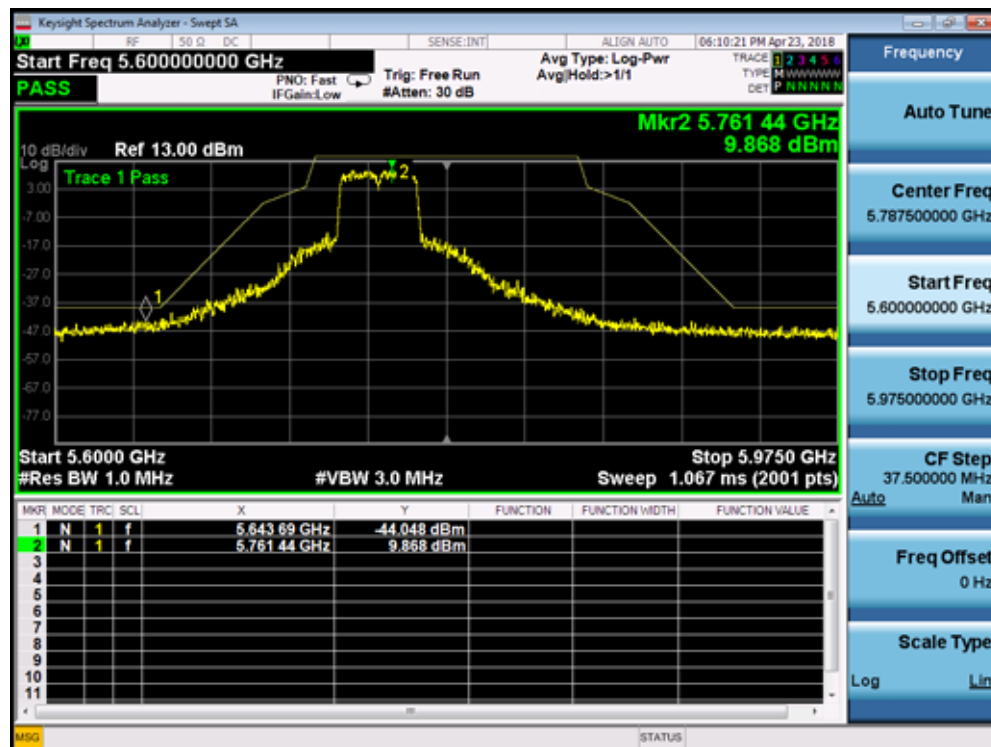
5310MHz by 802.11n(40MHz):



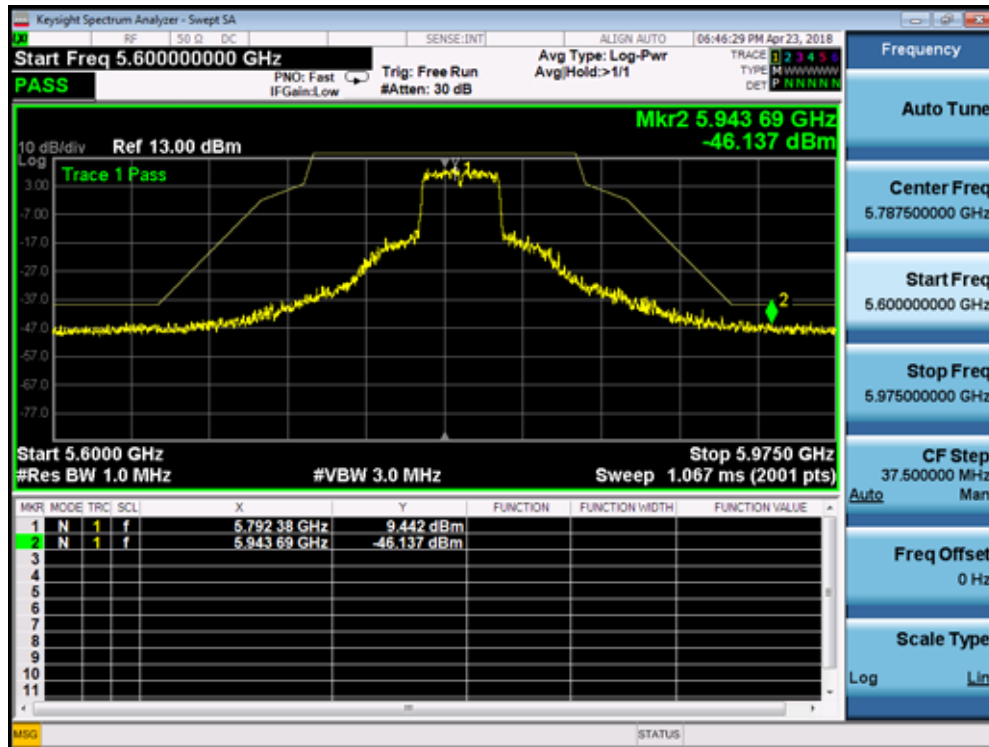
5510MHz by 802.11n(40MHz):



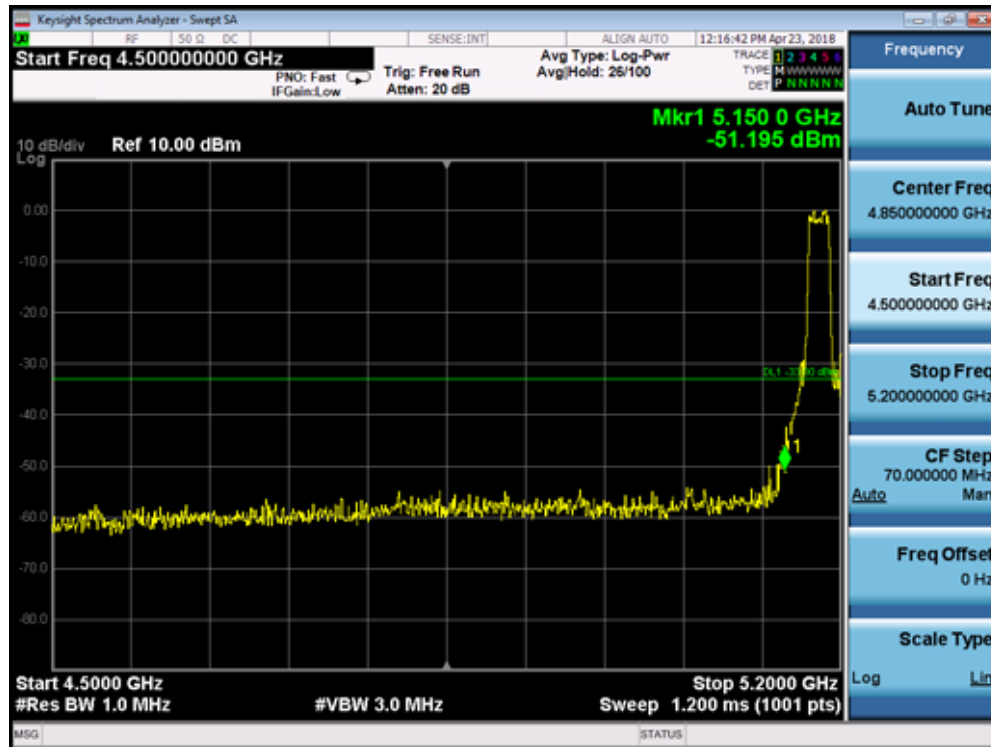
5755MHz by 802.11n(40MHz):



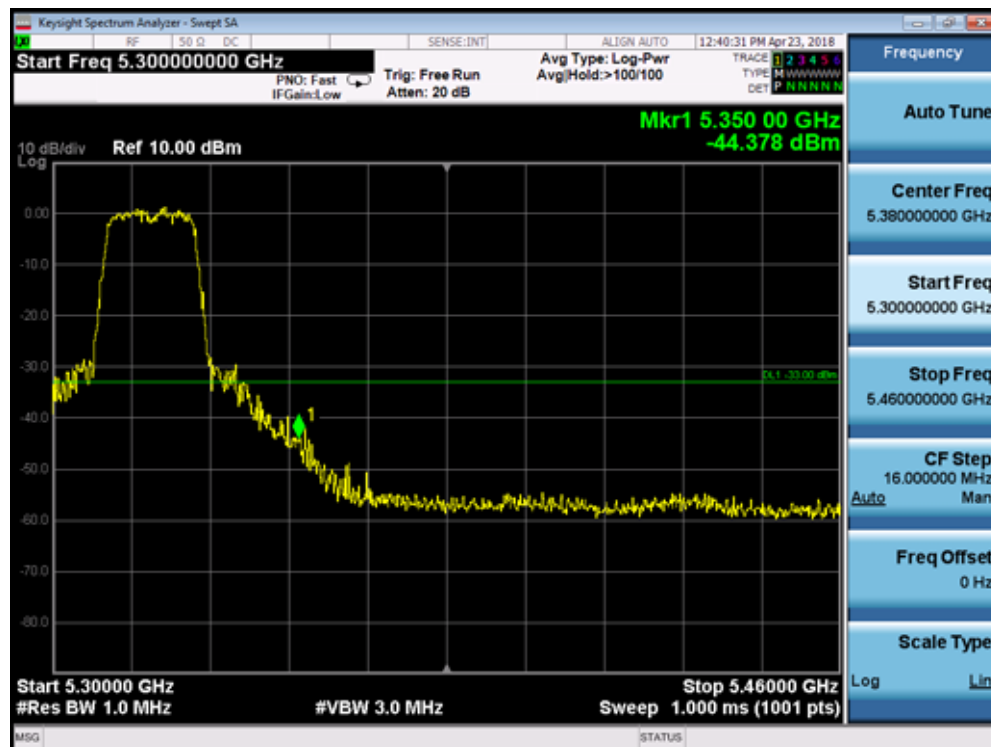
5795MHz by 802.11n(40MHz):



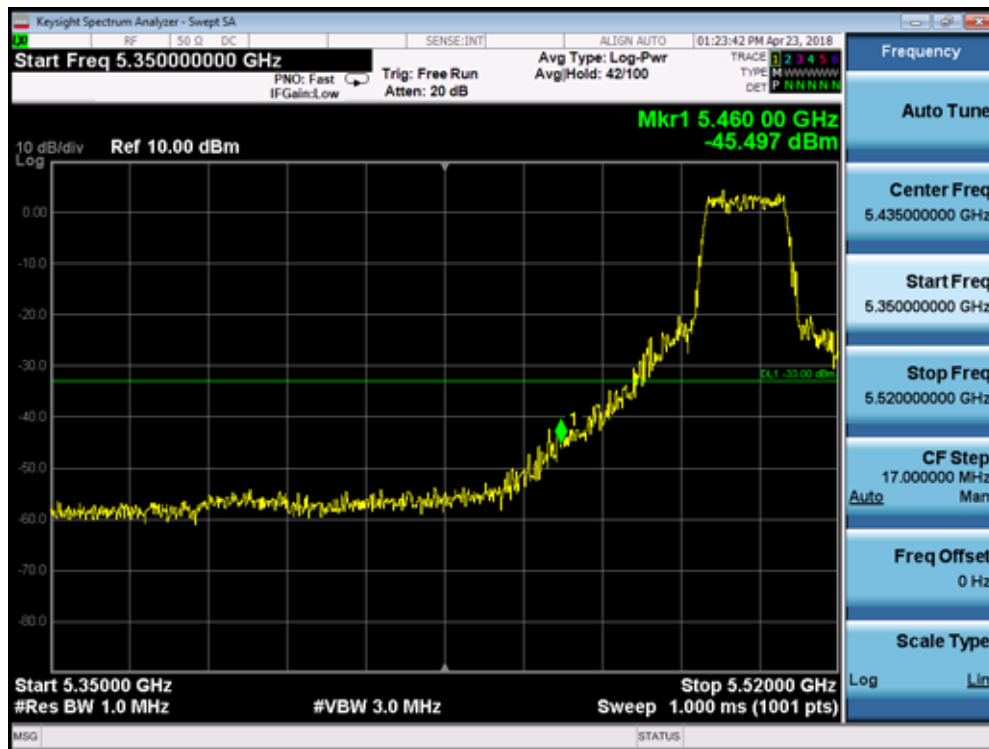
5180MHz by 802.11ac(20MHz):



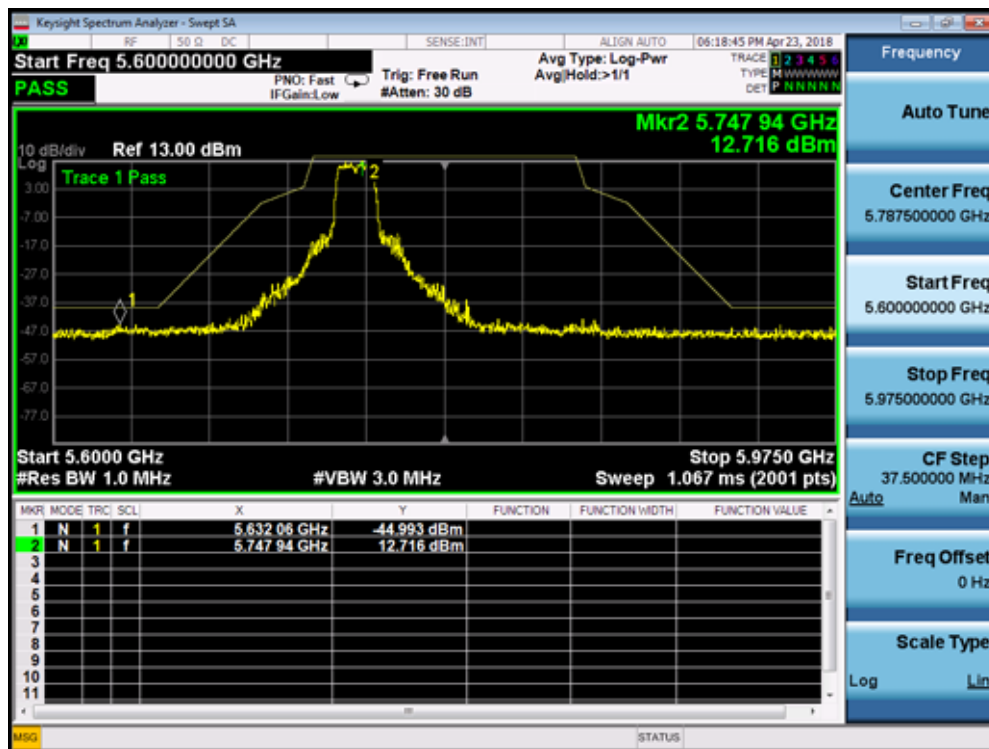
5320MHz by 802.11ac(20MHz):



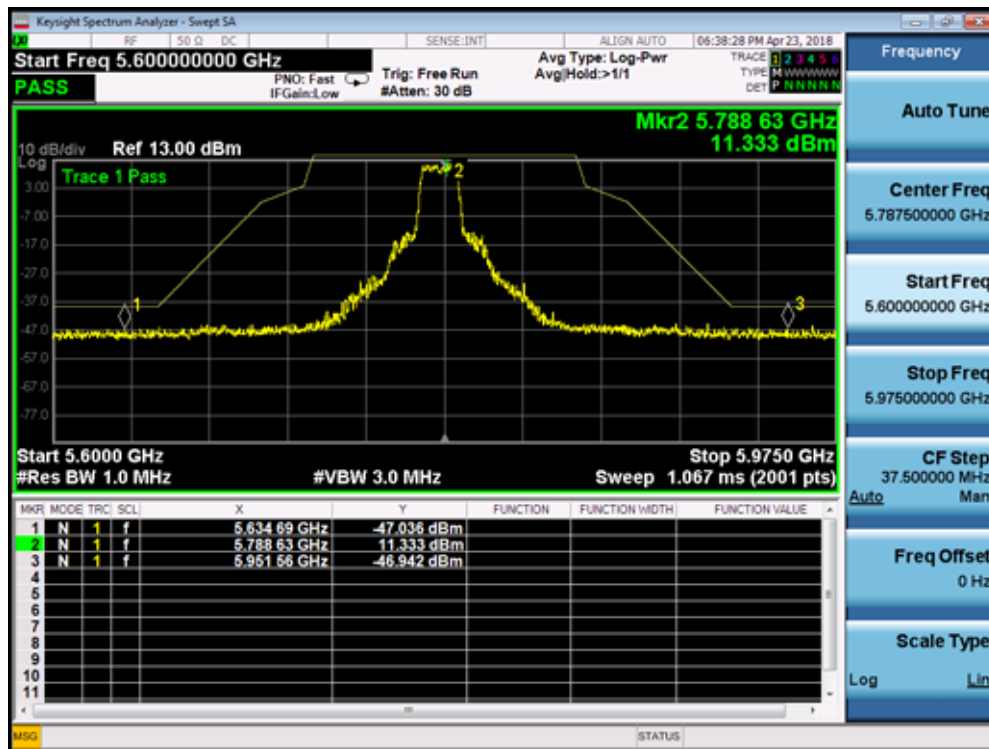
5500MHz by 802.11ac(20MHz):



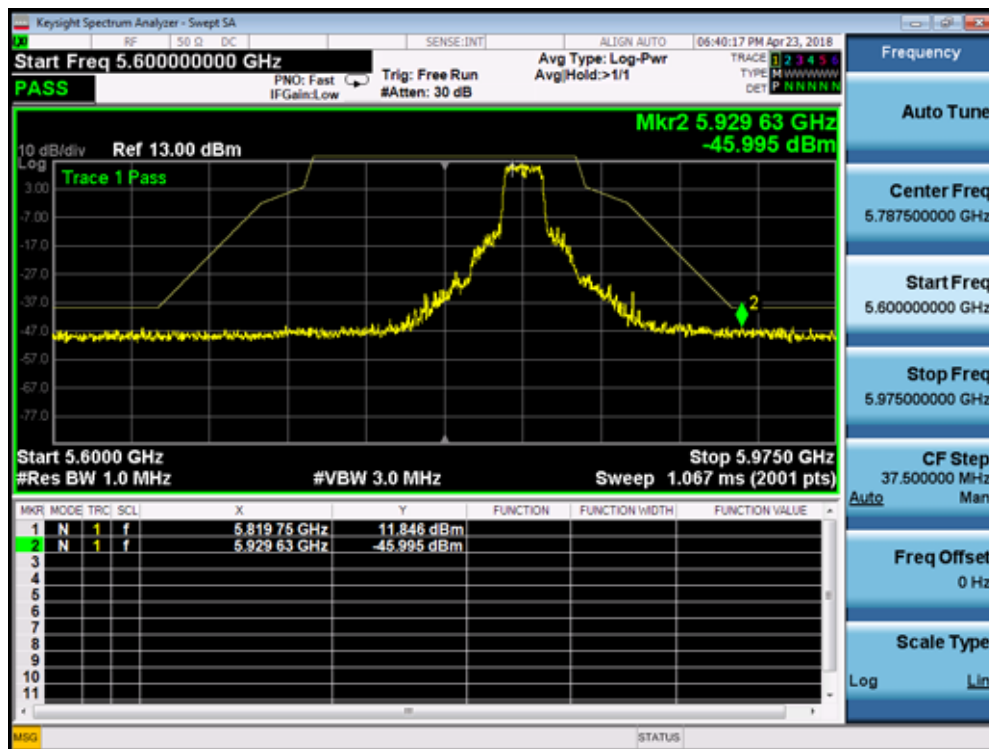
5745MHz by 802.11ac(20MHz):



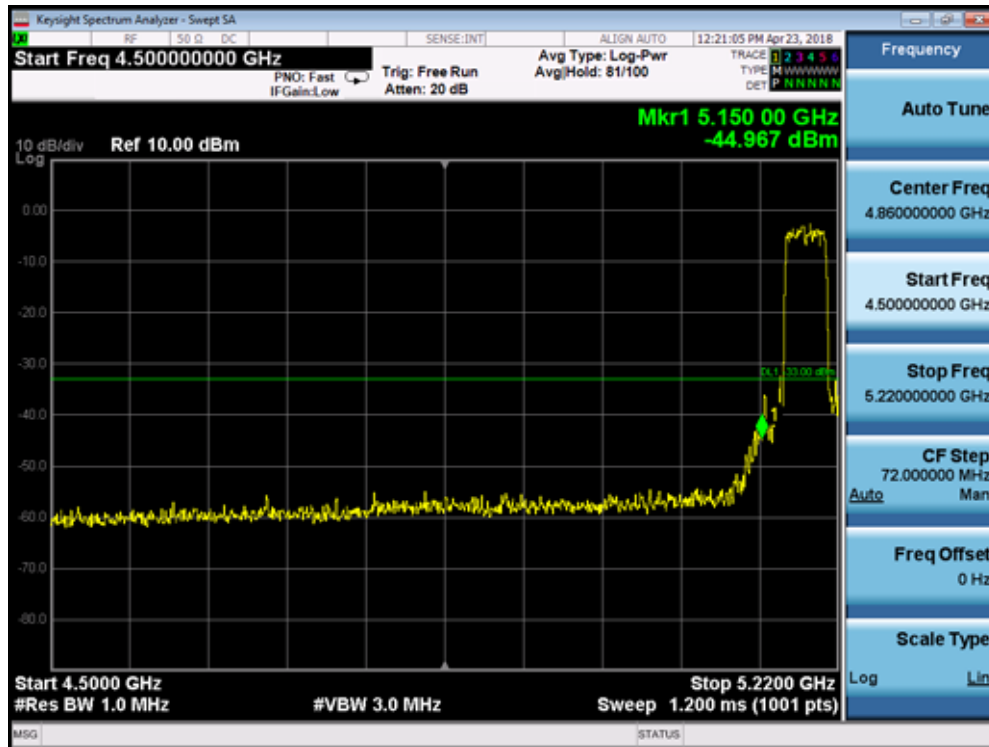
5785MHz by 802.11ac(20MHz):



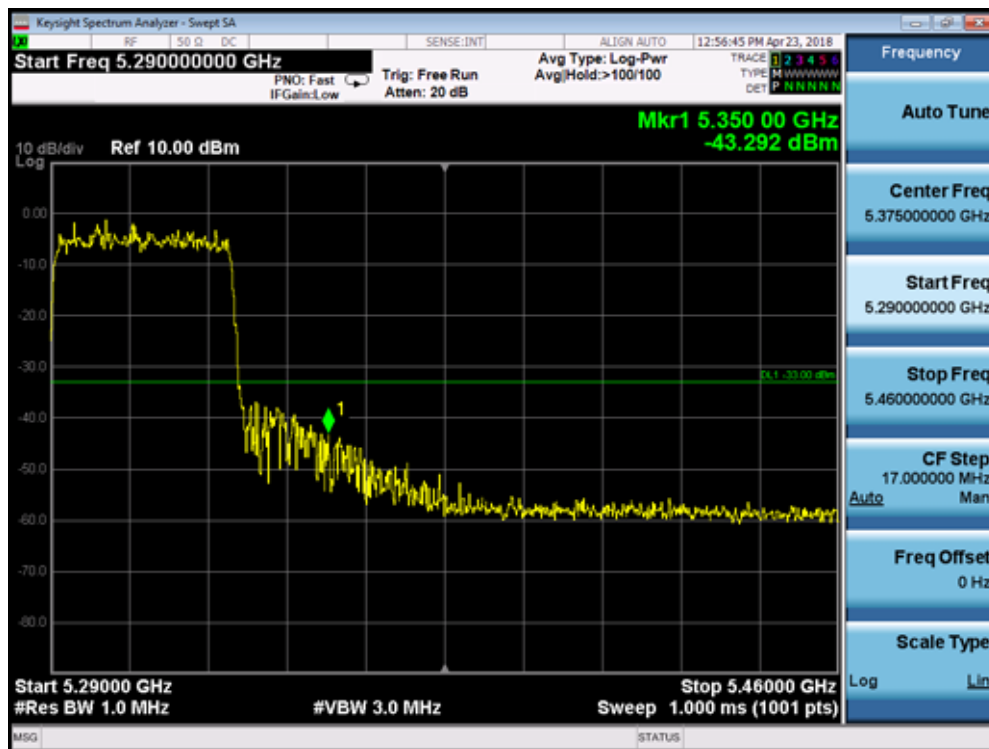
5825MHz by 802.11ac(20MHz):



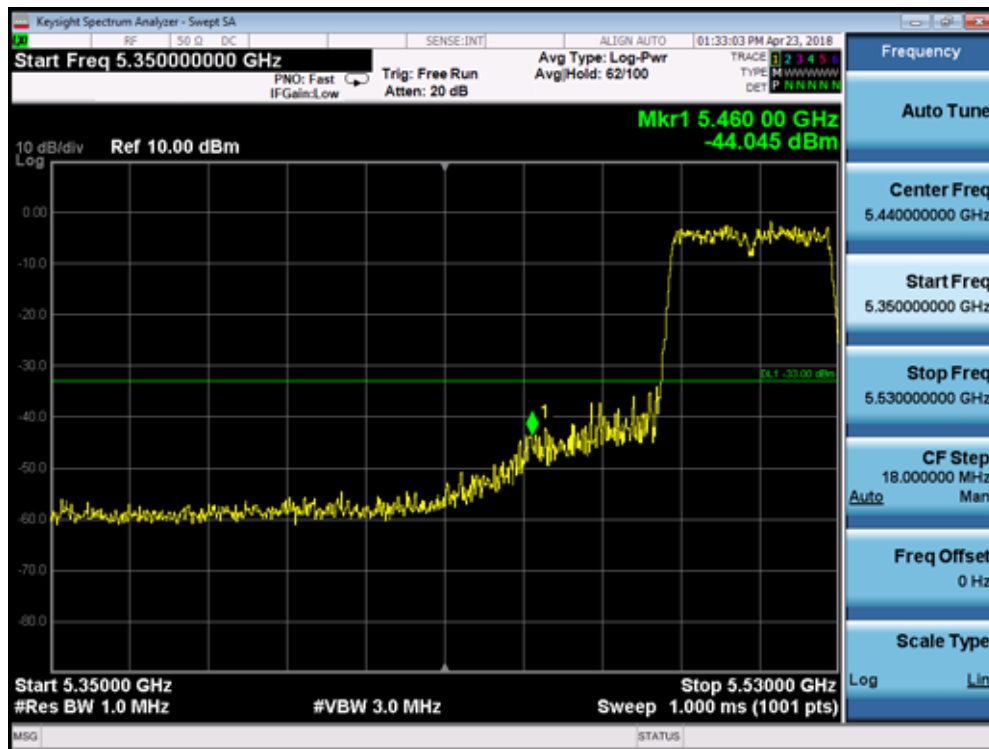
5190MHz by 802.11ac(40MHz):



5310MHz by 802.11ac(40MHz):



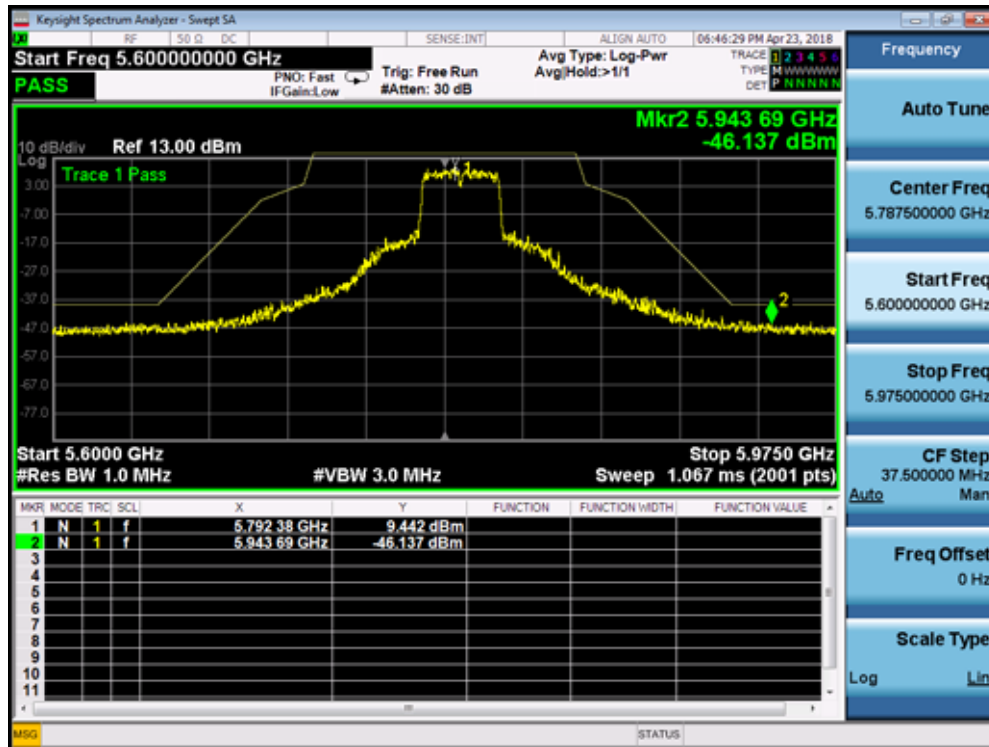
5510MHz by 802.11ac(40MHz):



5755MHz by 802.11ac(40MHz):



5795MHz by 802.11ac(40MHz):



5210MHz by 802.11ac(80MHz):



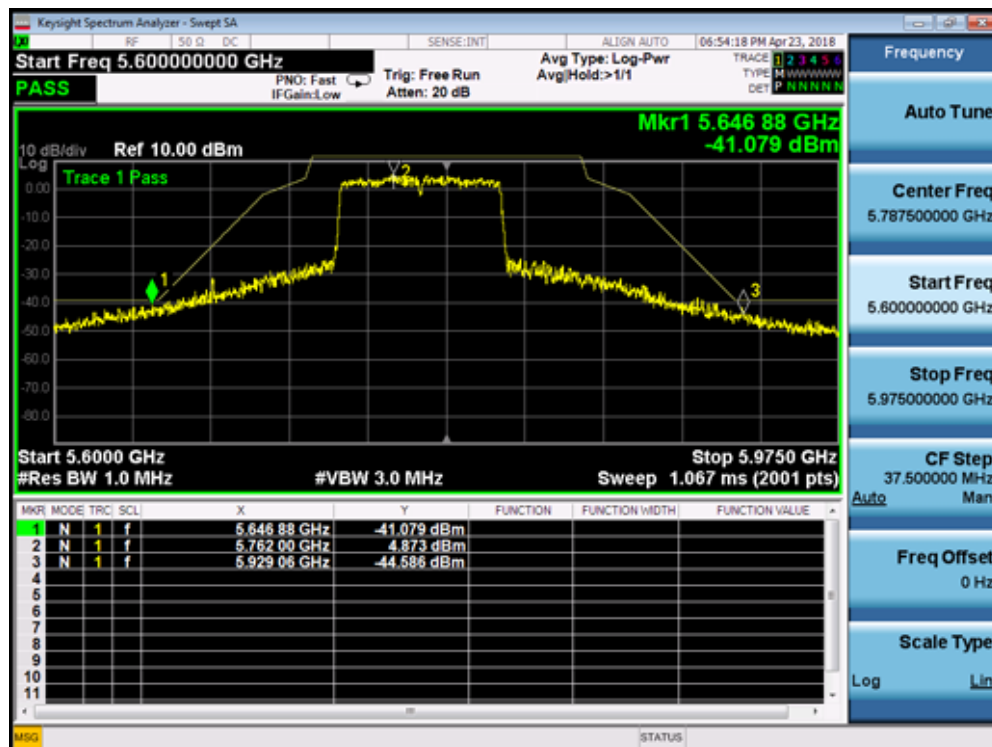
5290MHz by 802.11ac(80MHz):



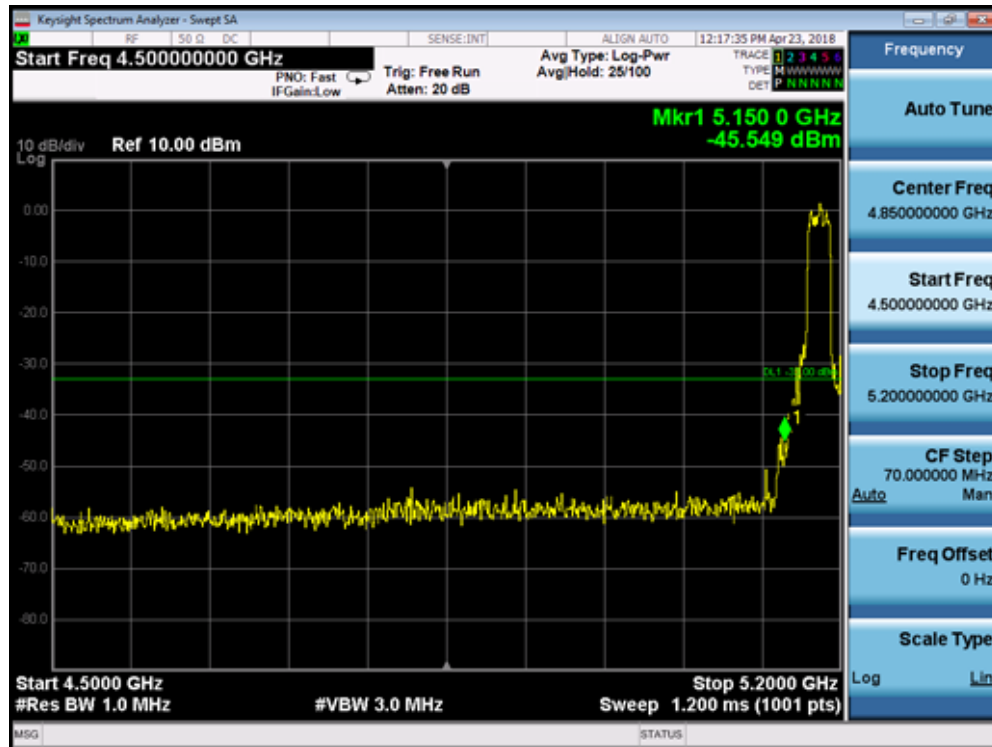
5530MHz by 802.11ac(80MHz):



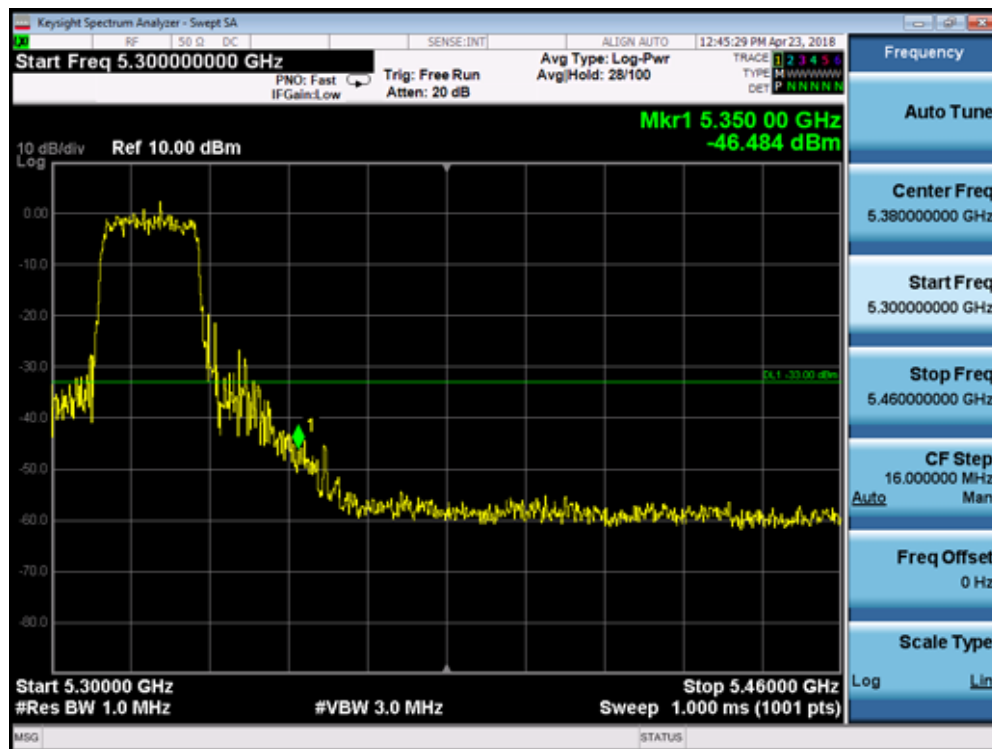
5775MHz by 802.11ac(80MHz):



5180MHz by 802.11ax(20MHz):



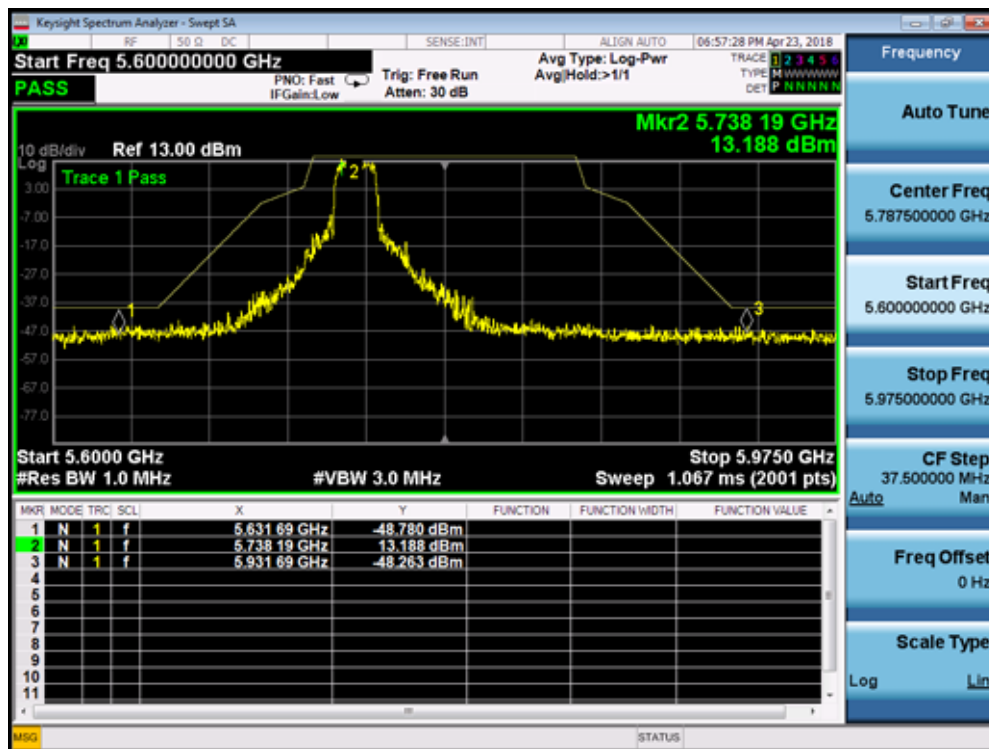
5320MHz by 802.11ax(20MHz):



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 'Log' and ranges from -77.0 to 10 dBm/div. 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'.

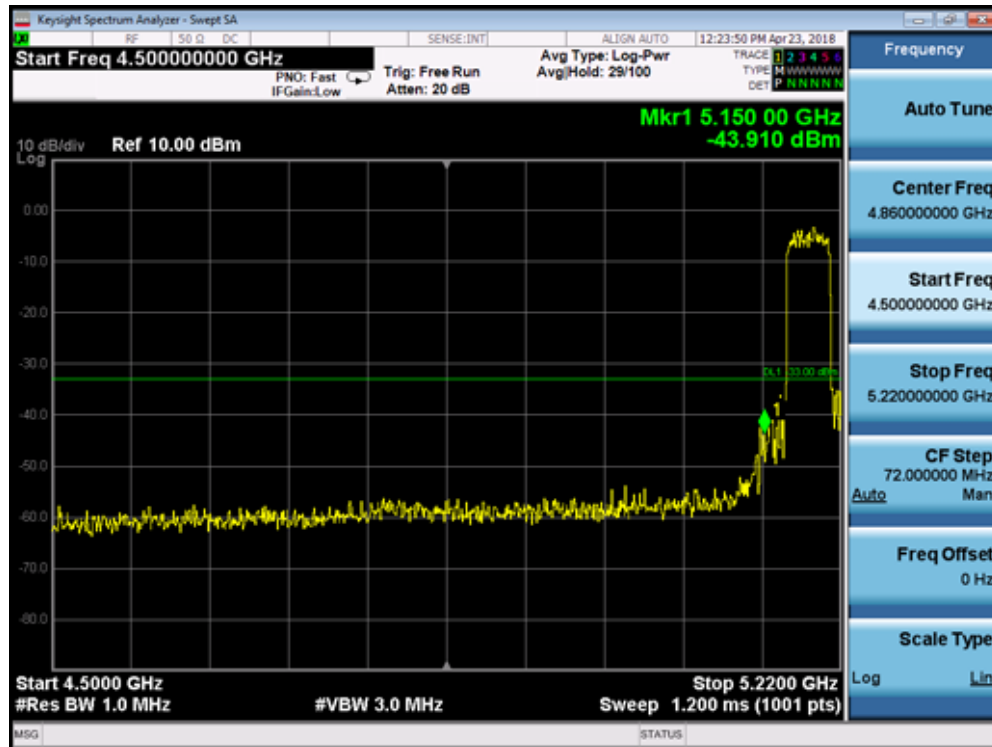
Below the plot, there is a table with the following columns: MKR, MODE, TRC, SCL, X, Y, FUNCTION, FUNCTION WIDTH, and FUNCTION VALUE. The table contains three rows of data:

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			

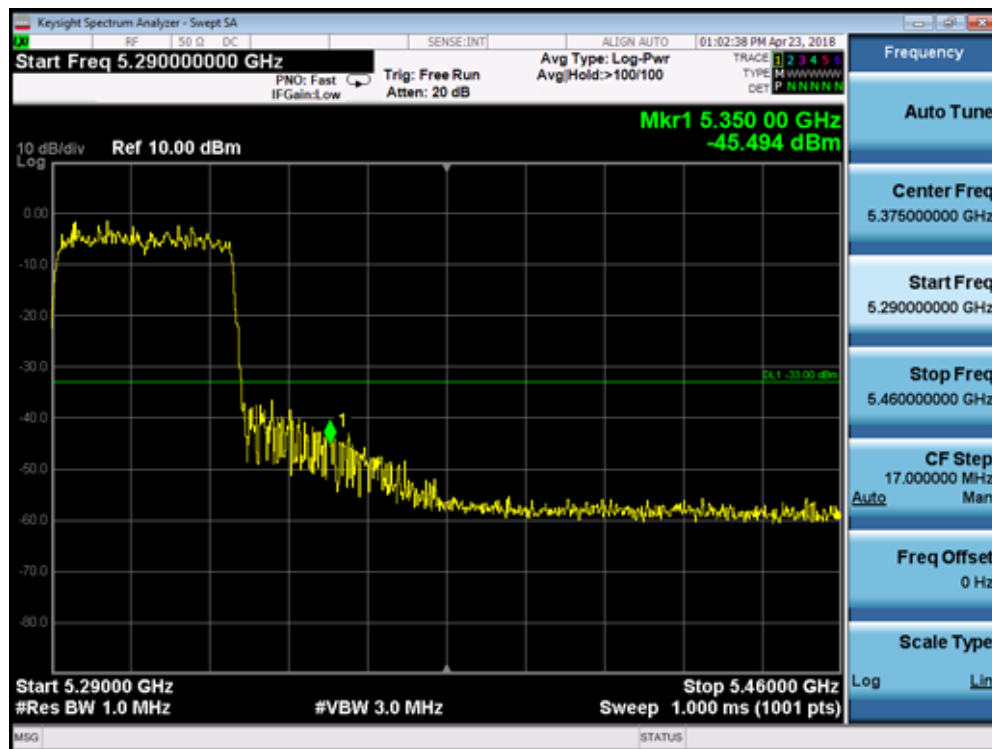
The right side of the image shows a sidebar with various settings and controls, including 'Frequency', 'Auto Tune', 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', 'Auto', 'Man', 'Freq Offset', 'Scale Type', and 'Log'.

[illegible]

5190MHz by 802.11ax(40MHz):



5310MHz by 802.11ax(40MHz):



The image shows a Keysight Spectrum Analyzer (SA) interface. The main display is a frequency spectrum plot with a yellow trace. The x-axis represents frequency, ranging from 5.35000 GHz to 5.53000 GHz. The y-axis represents power, ranging from -80.0 dBm to 0.00 dBm. A green horizontal line is drawn at -30.00 dBm. A green marker labeled 'Mkr1' is placed on the trace at 5.46000 GHz, with a power level of -45.401 dBm. The trace shows a signal that rises from approximately -60 dBm at 5.35 GHz to about -30 dBm at 5.53 GHz. The interface includes various control panels and status indicators.

Top Panel:

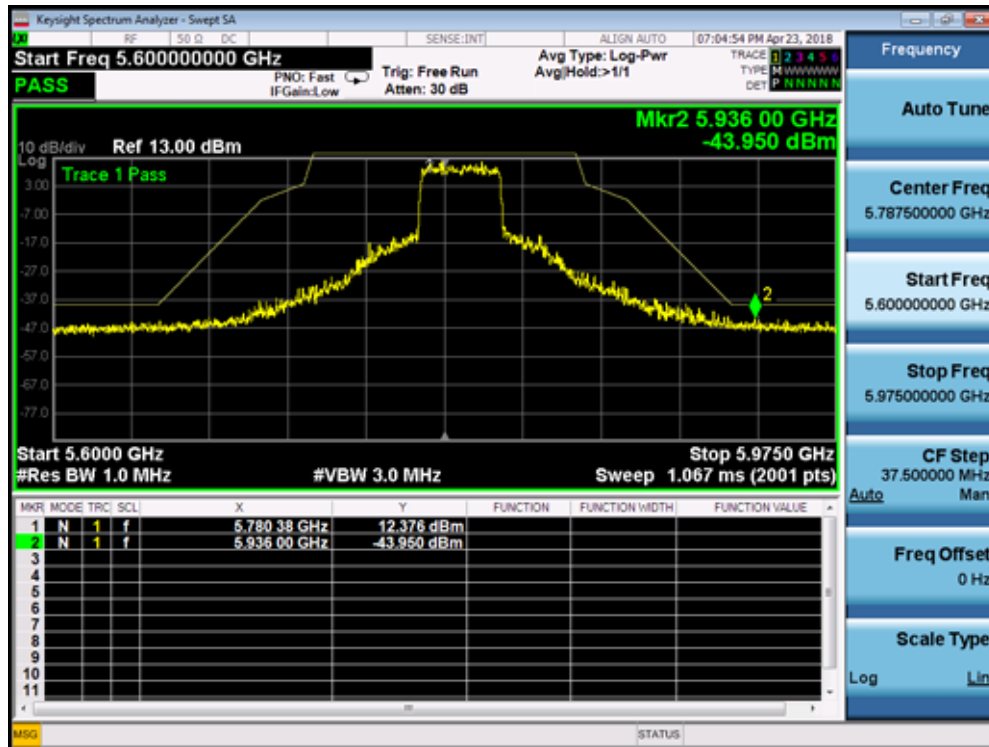
- Start Freq: 5.35000000 GHz
- Stop Freq: 5.53000000 GHz
- Center Freq: 5.44000000 GHz
- CF Step: 18.000000 MHz
- Freq Offset: 0 Hz
- Scale Type: Log
- Ref: 10.00 dBm
- 10 dB/div
- Log
- Trig: Free Run
- Atten: 20 dB
- Avg Type: Log-Pwr
- Avg Hold: >100/100
- ALIGN: AUTO
- 01:36:24 PM Apr 23, 2018
- TRACE: 1 2 3 4 5 6
- TYPE: M W W W W W W
- DET: P N N N N N

Bottom Panel:

- Start 5.35000 GHz
- #Res BW 1.0 MHz
- #VBW 3.0 MHz
- Stop 5.53000 GHz
- Sweep 1.000 ms (1001 pts)

[illegible]

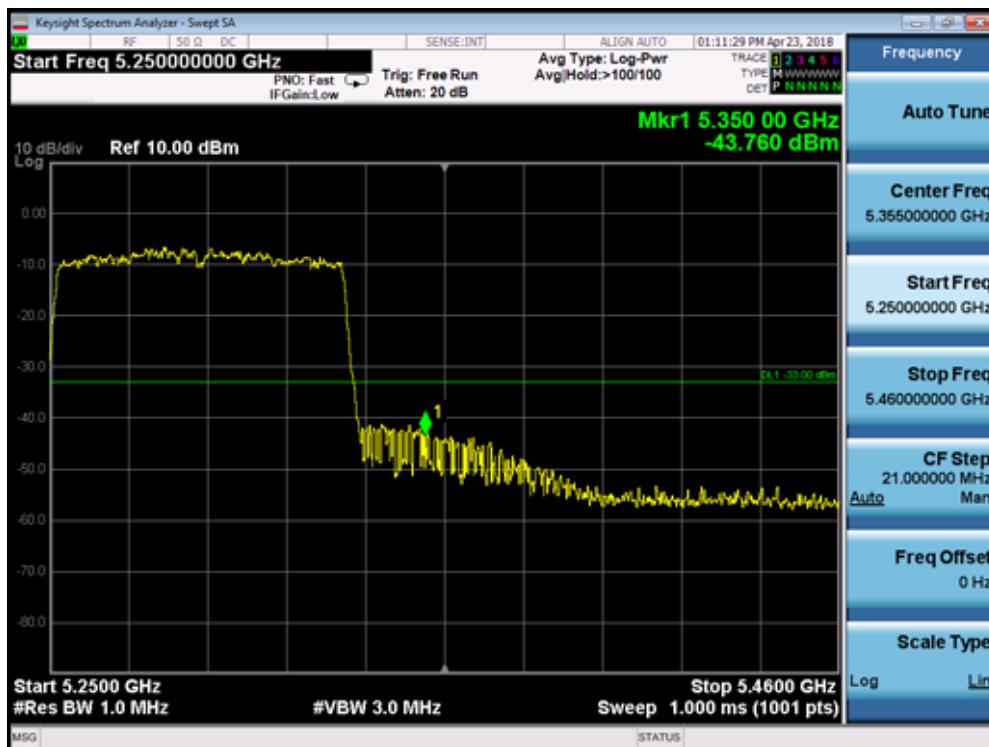
5795MHz by 802.11ax(40MHz):



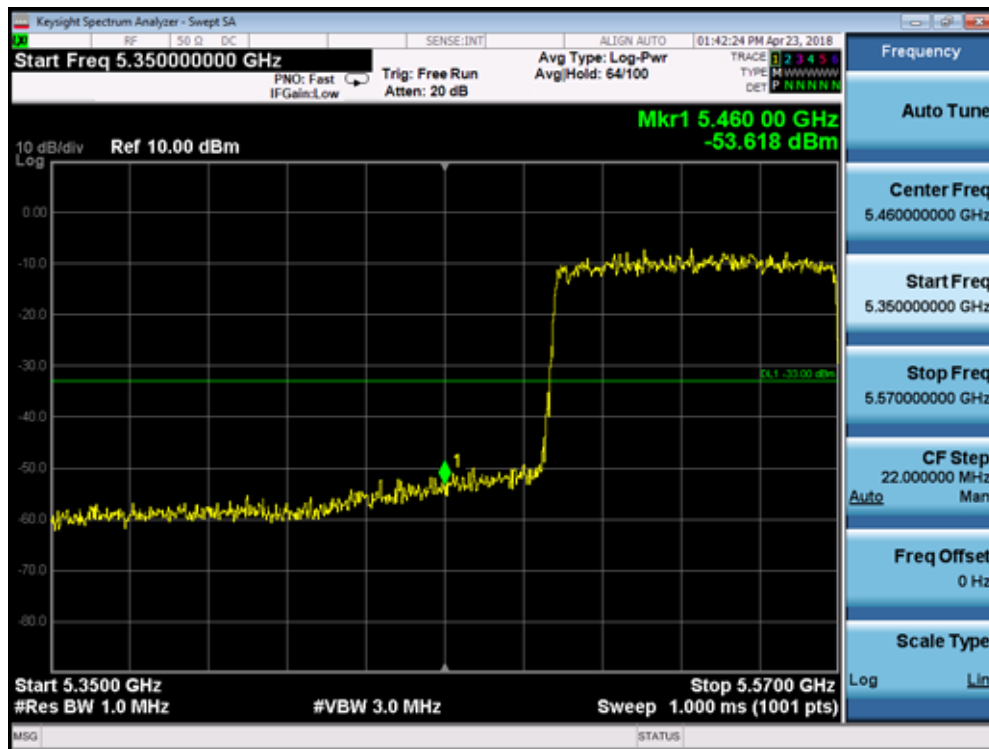
5210MHz by 802.11ax(80MHz):



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 0+1+2+3 with CDD:

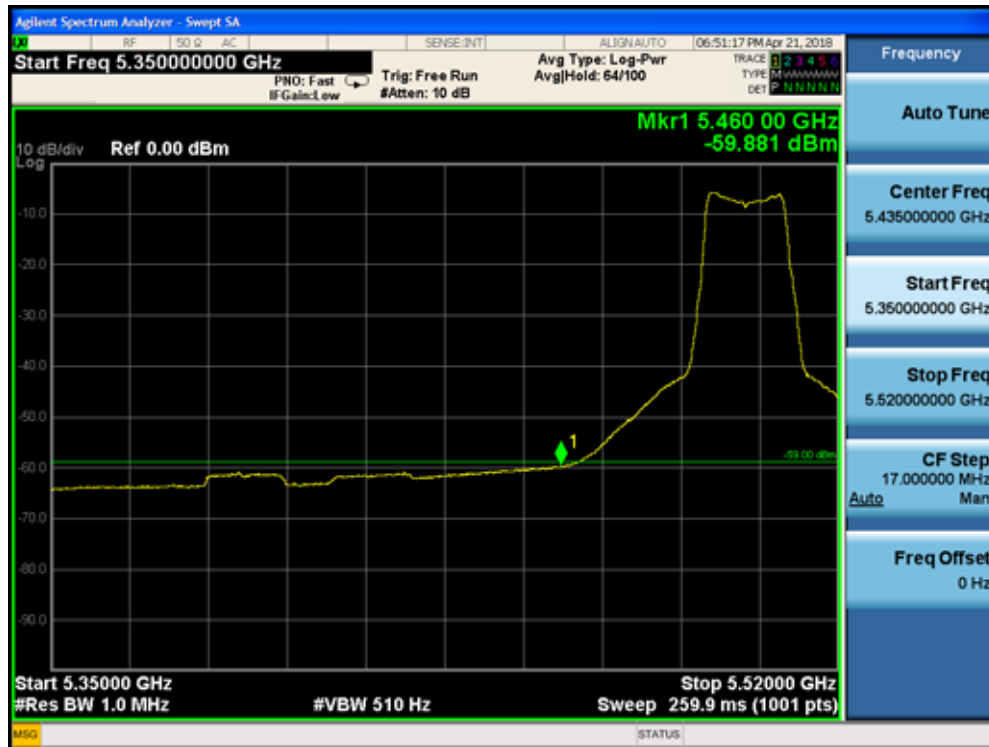
Band I AV Limit=54 dBuV/m-95.2-10lg4(4tx)-11.03(Directional Gain)-0.7(cable loss)=-59dbm
5180MHz by 802.11a:



5320MHz by 802.11a:



5500MHz by 802.11a:



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