



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0

5210 MHz



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-0

5775 MHz



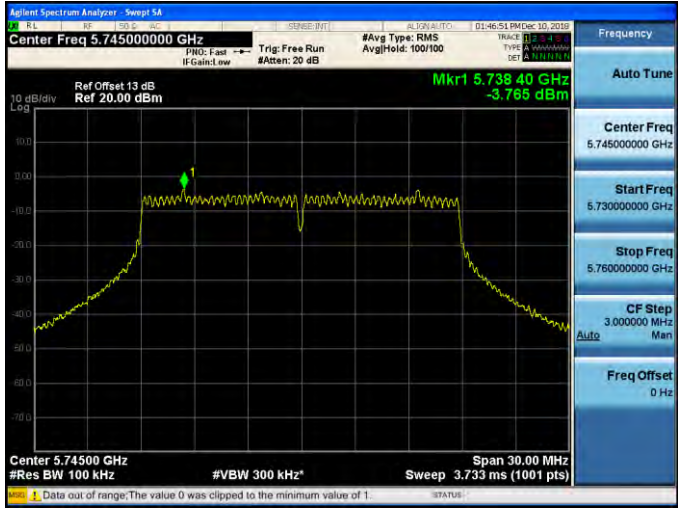
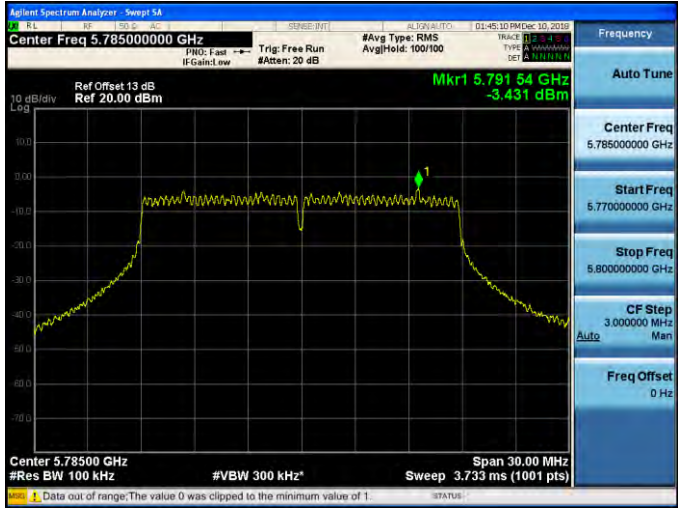
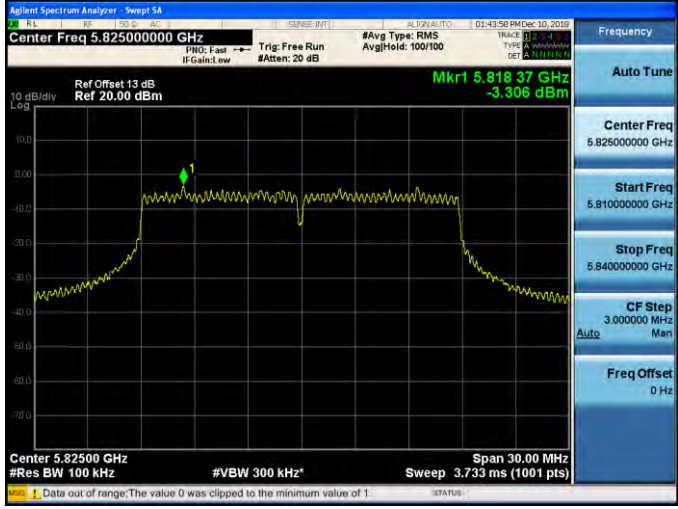


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5180 MHz	
5200 MHz	
5240 MHz	

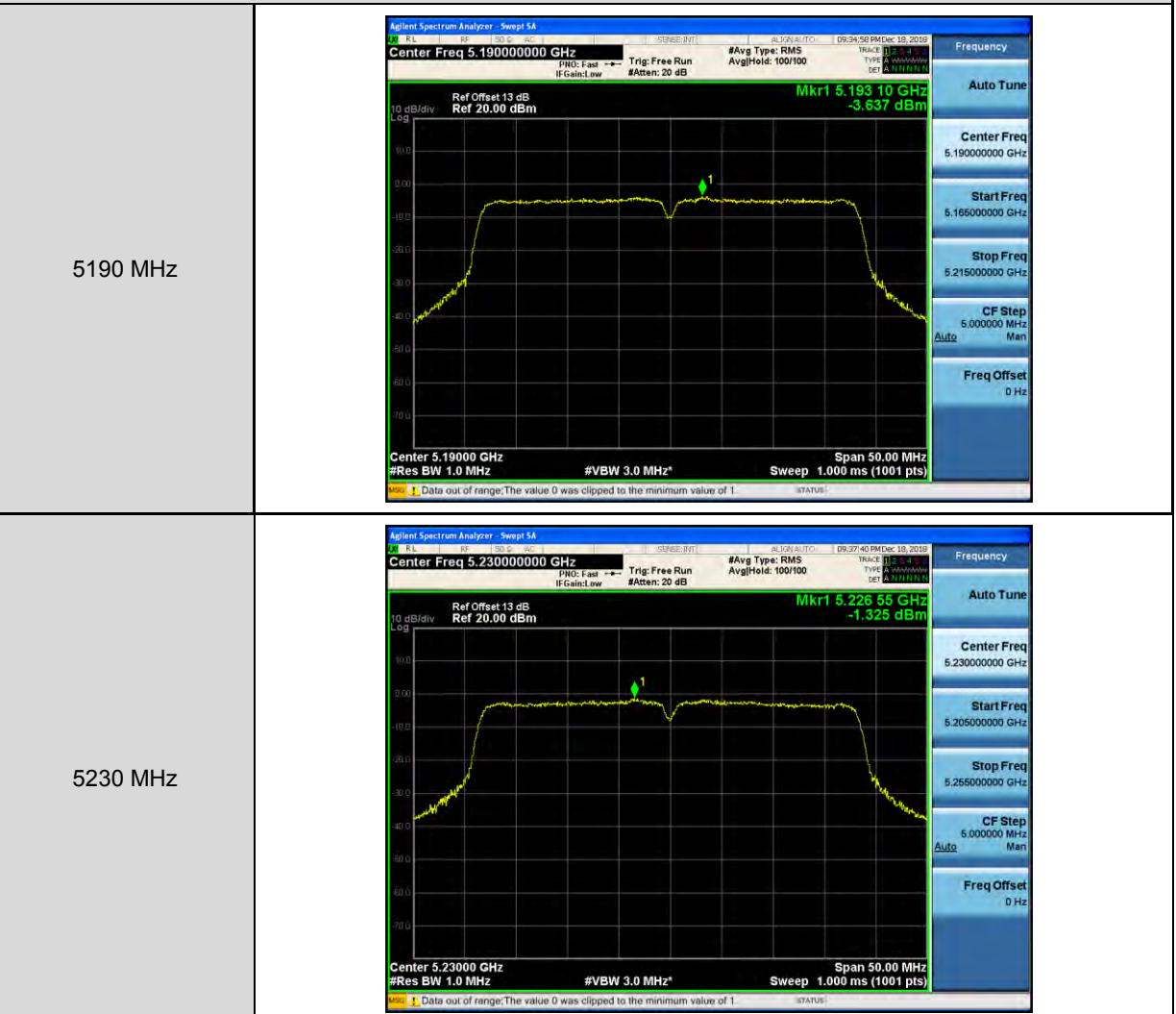


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-1

5745 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.738 40 GHz -3.765 dBm Center Freq 5.745000000 GHz Start Freq 5.730000000 GHz Stop Freq 5.760000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 3.733 ms (1001 pts)
5785 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.791 54 GHz -3.431 dBm Center Freq 5.785000000 GHz Start Freq 5.770000000 GHz Stop Freq 5.800000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 3.733 ms (1001 pts)
5825 MHz	 Ref Offset 13 dB Ref 20.00 dBm Mkr1 5.818 37 GHz -3.306 dBm Center Freq 5.825000000 GHz Start Freq 5.810000000 GHz Stop Freq 5.840000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Span 30.00 MHz Sweep 3.733 ms (1001 pts)

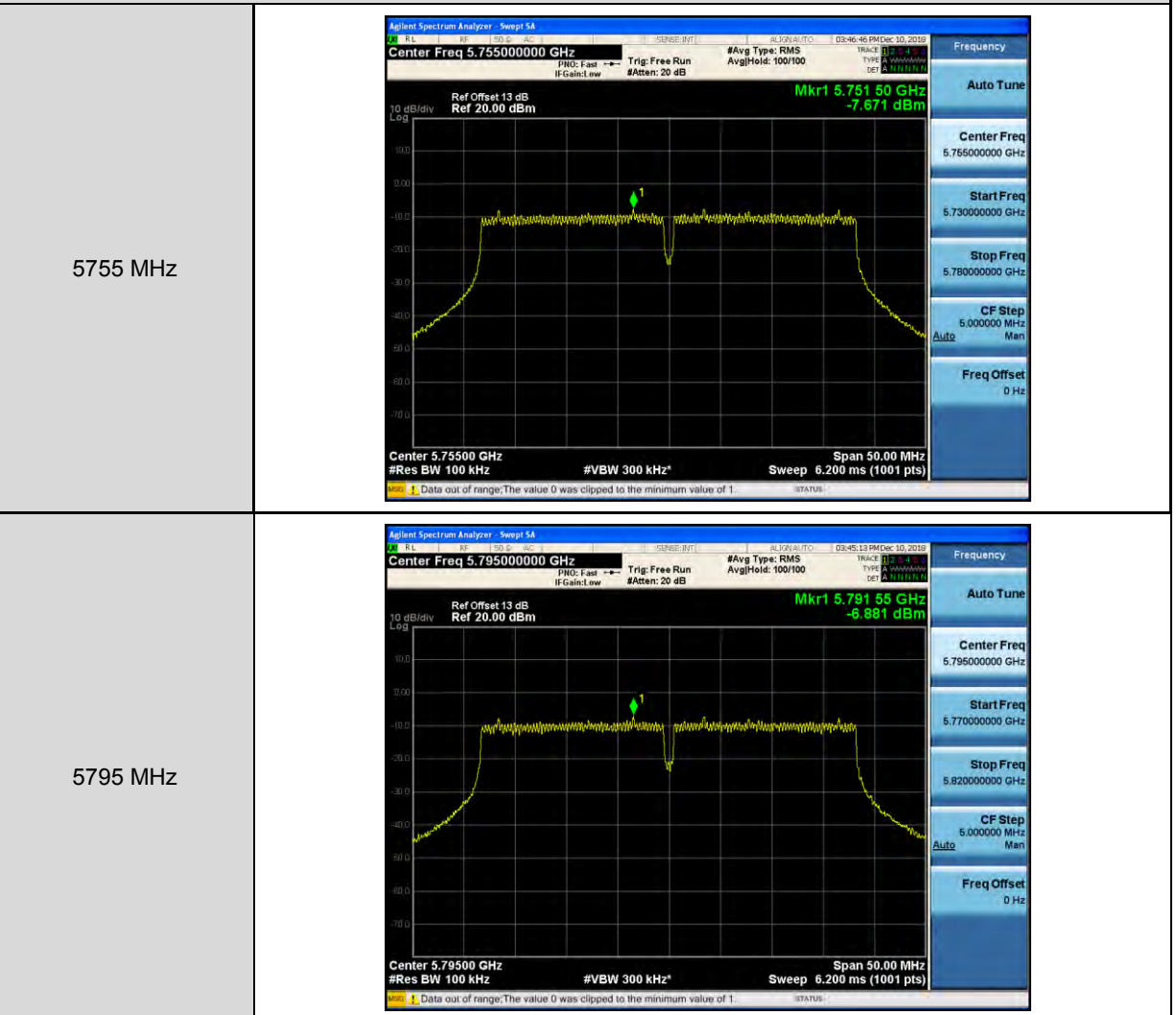


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-1





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5210 MHz



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5775 MHz



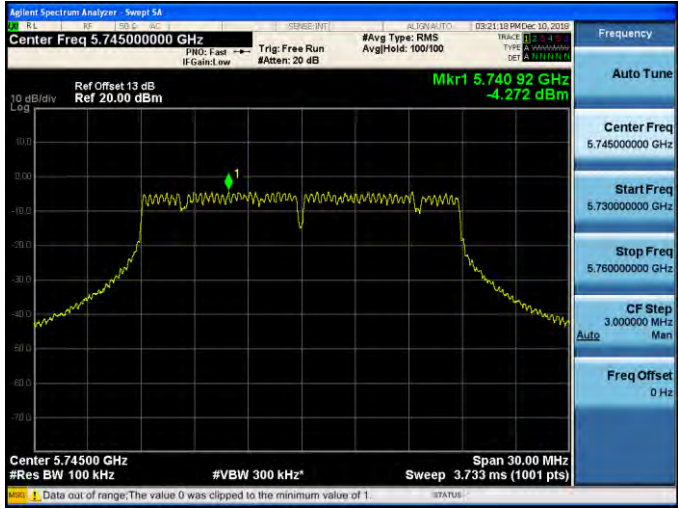


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2

5180 MHz	
5200 MHz	
5240 MHz	

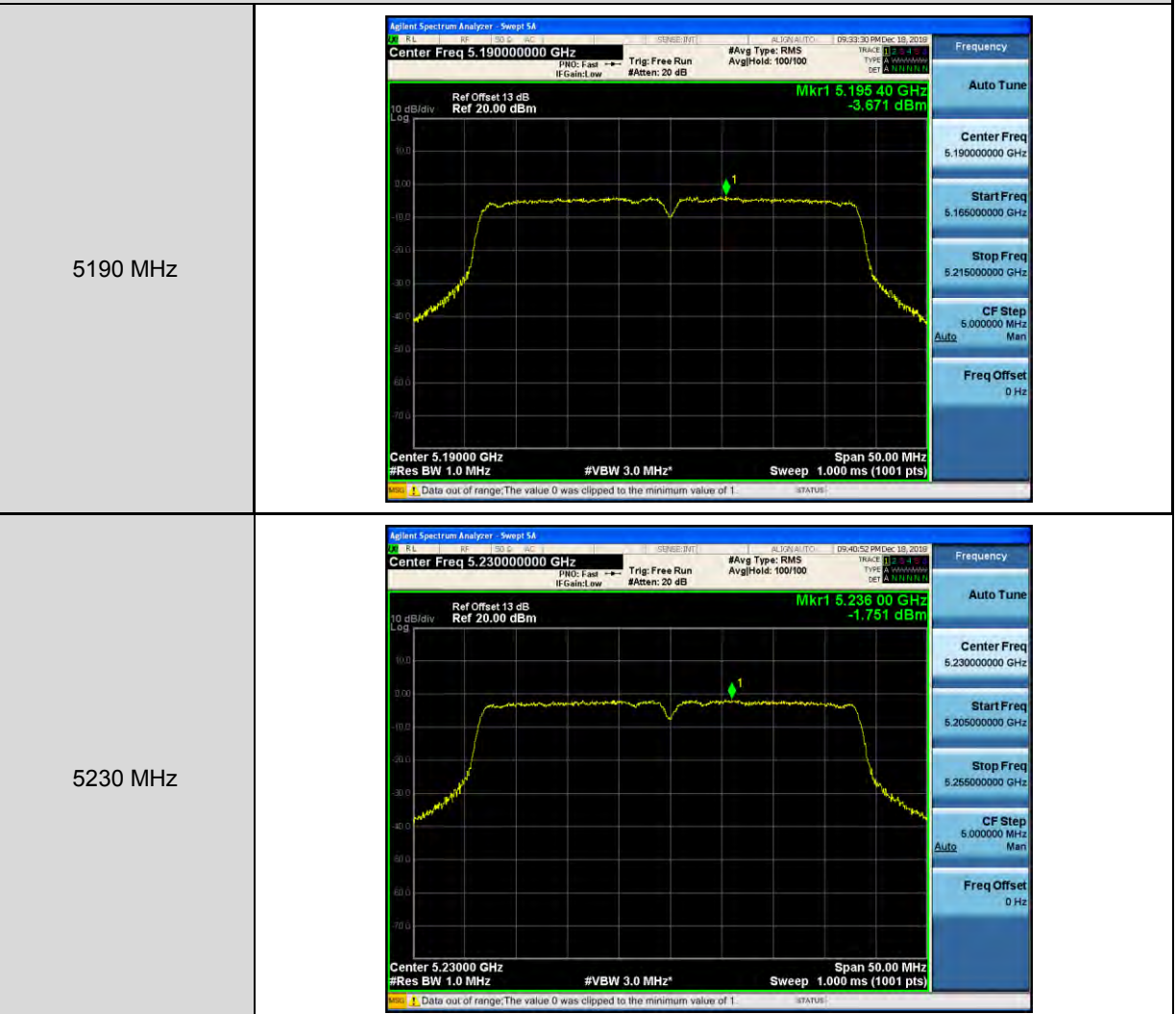


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-2

5745 MHz	
5785 MHz	
5825 MHz	

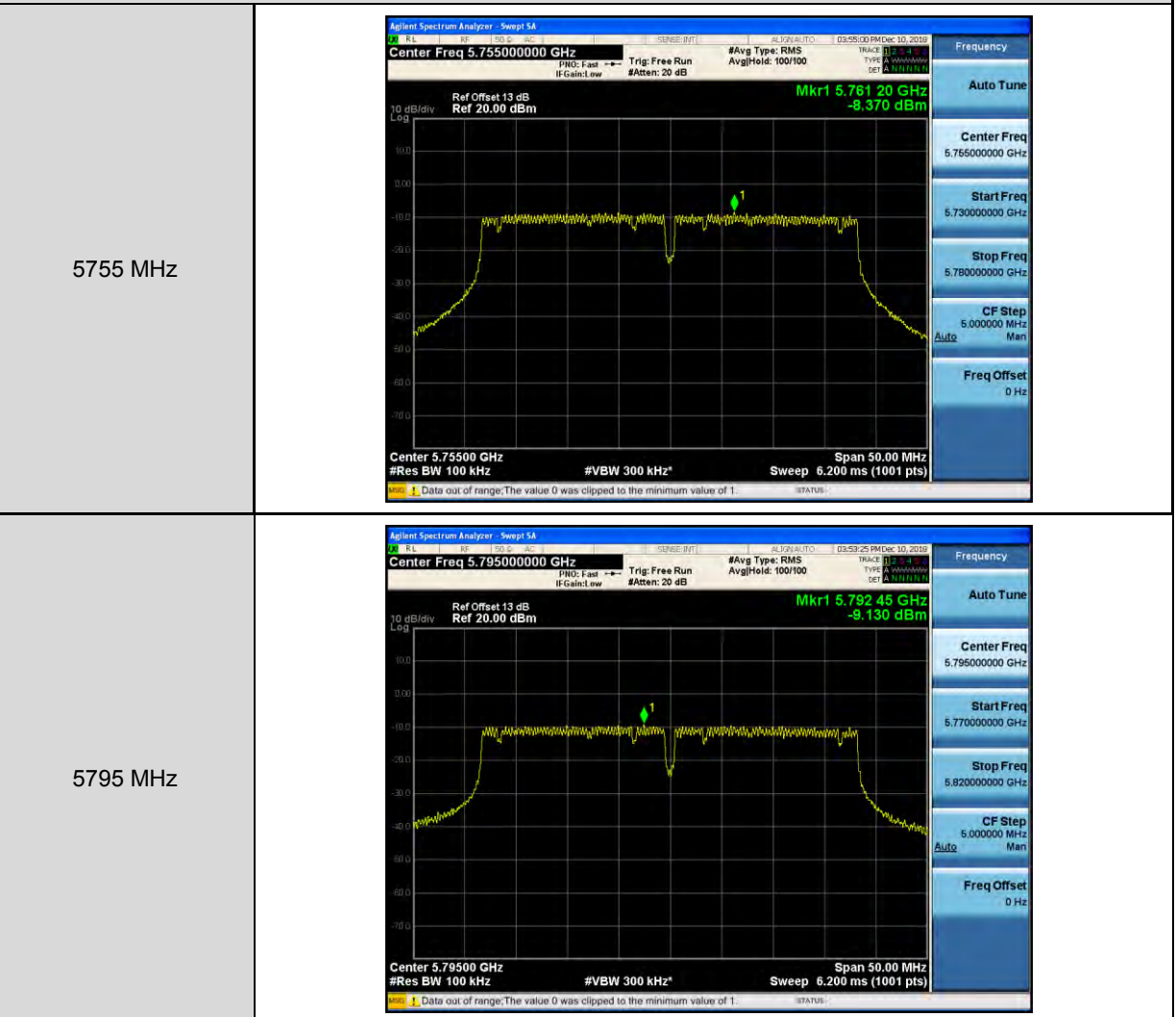


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2





Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2





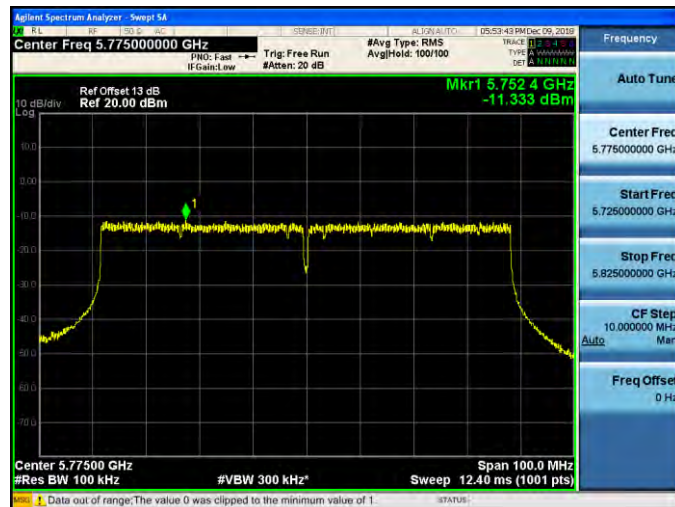
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-2

5210 MHz



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-2

5775 MHz



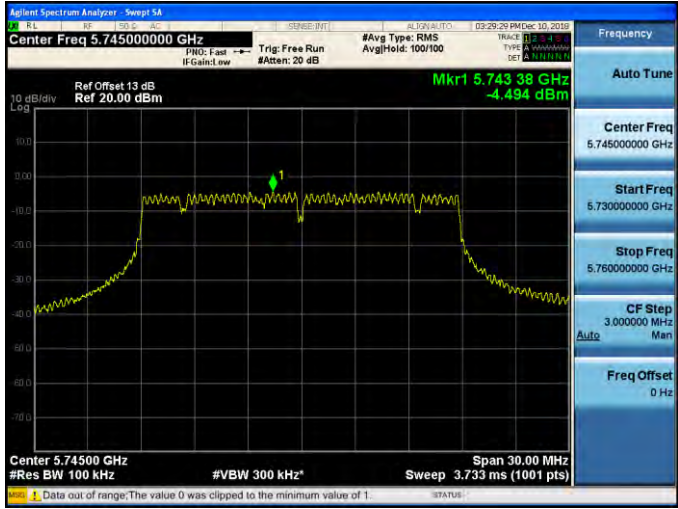
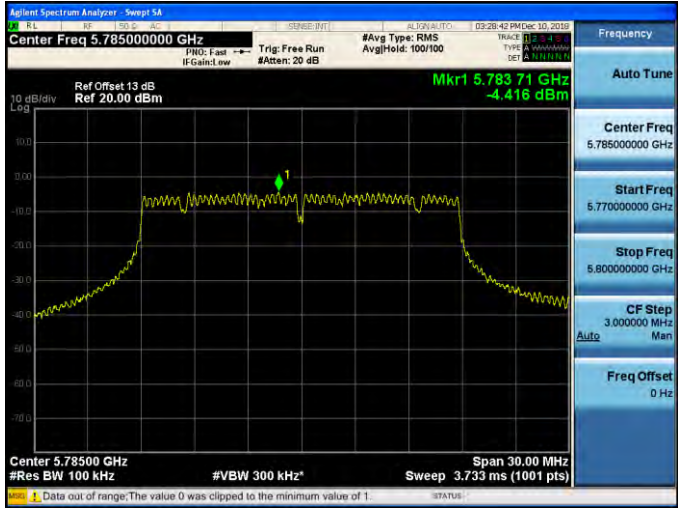
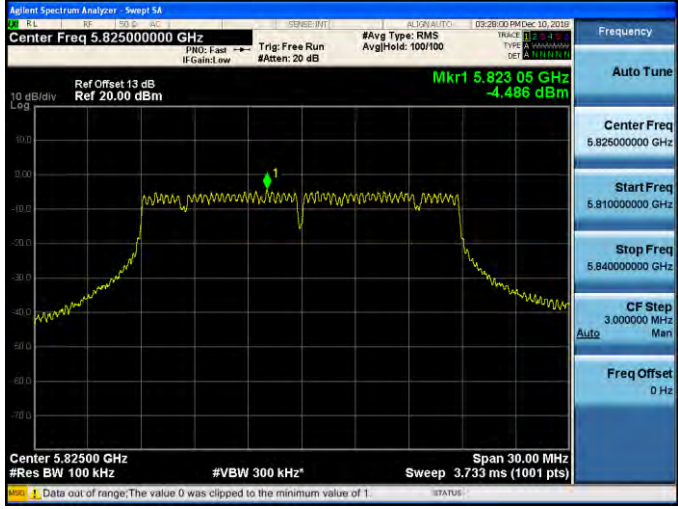


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3

5180 MHz	
5200 MHz	
5240 MHz	

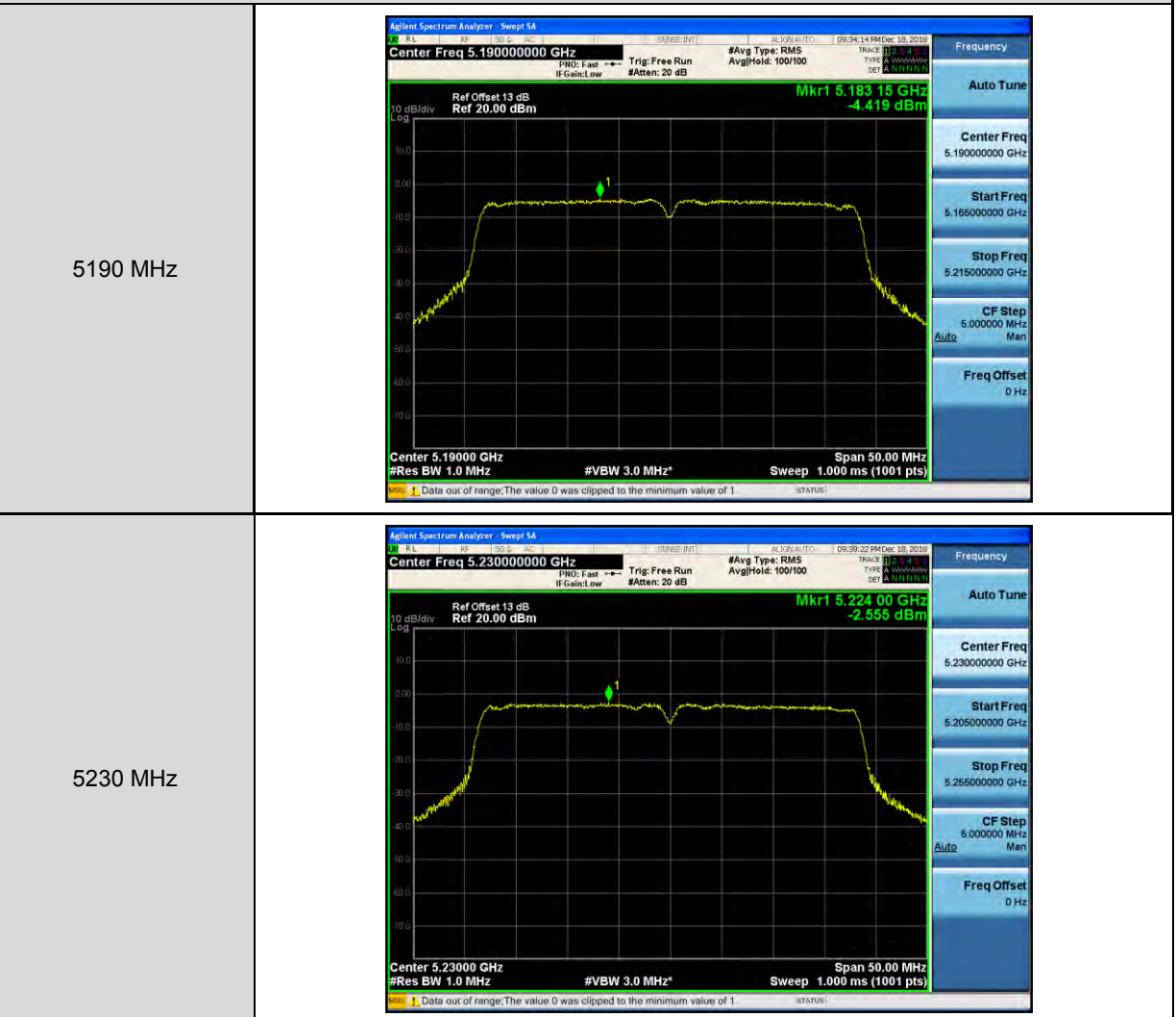


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode_ANT-3

5745 MHz	 Ref Offset 13 dB Ref 20.00 dBm Center Freq 5.745000000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 3.733 ms (1001 pts) Mkr1 5.743 38 GHz -4.494 dBm Frequency Auto Tune Center Freq 5.745000000 GHz Start Freq 5.730000000 GHz Stop Freq 5.760000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz 1 Data out of range; The value 0 was clipped to the minimum value of 1.
5785 MHz	 Ref Offset 13 dB Ref 20.00 dBm Center Freq 5.785000000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 3.733 ms (1001 pts) Mkr1 5.783 71 GHz -4.416 dBm Frequency Auto Tune Center Freq 5.785000000 GHz Start Freq 5.770000000 GHz Stop Freq 5.800000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz 1 Data out of range; The value 0 was clipped to the minimum value of 1.
5825 MHz	 Ref Offset 13 dB Ref 20.00 dBm Center Freq 5.825000000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 3.733 ms (1001 pts) Mkr1 5.823 05 GHz -4.486 dBm Frequency Auto Tune Center Freq 5.825000000 GHz Start Freq 5.810000000 GHz Stop Freq 5.840000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz 1 Data out of range; The value 0 was clipped to the minimum value of 1.

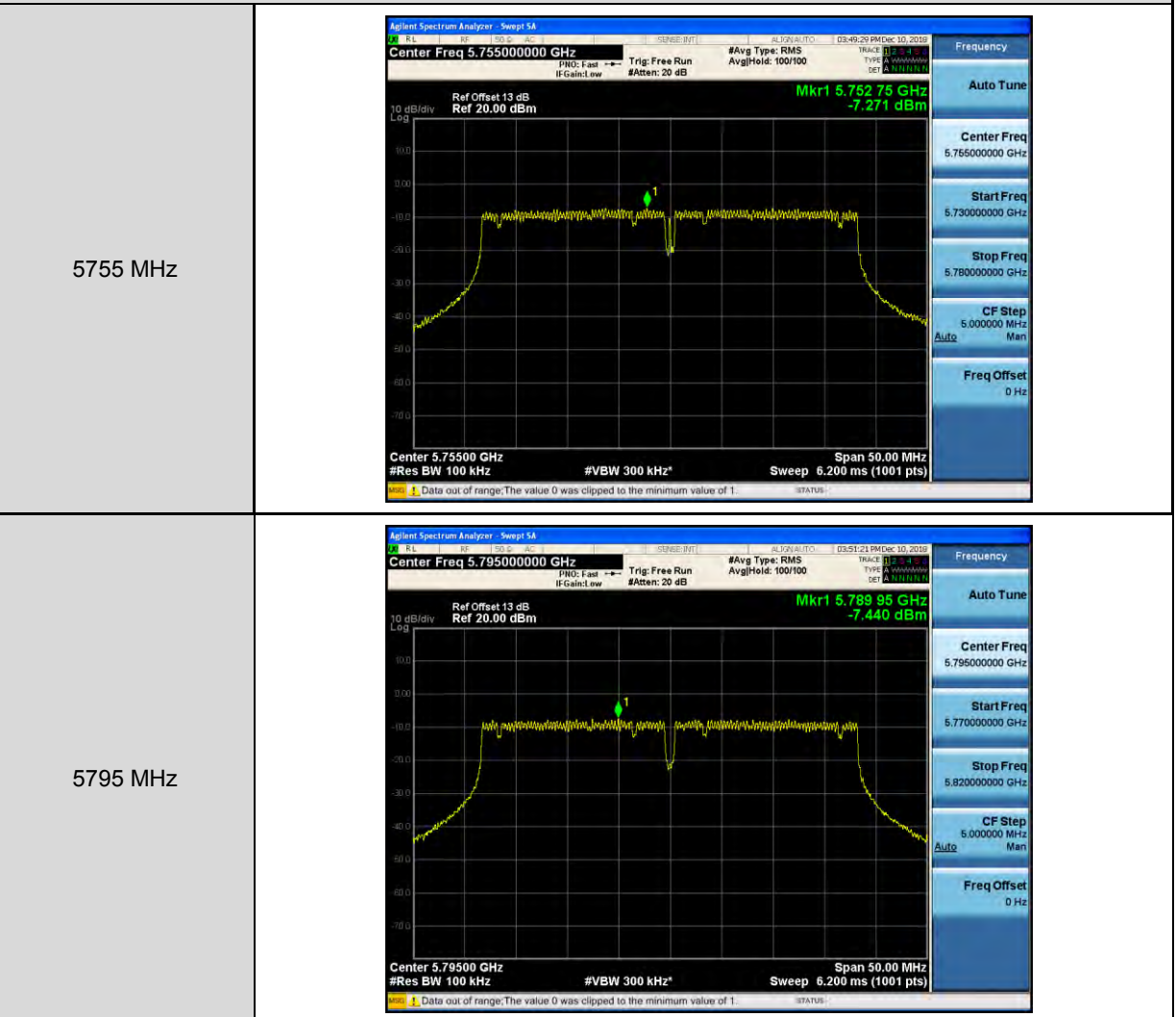


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-3





Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-3

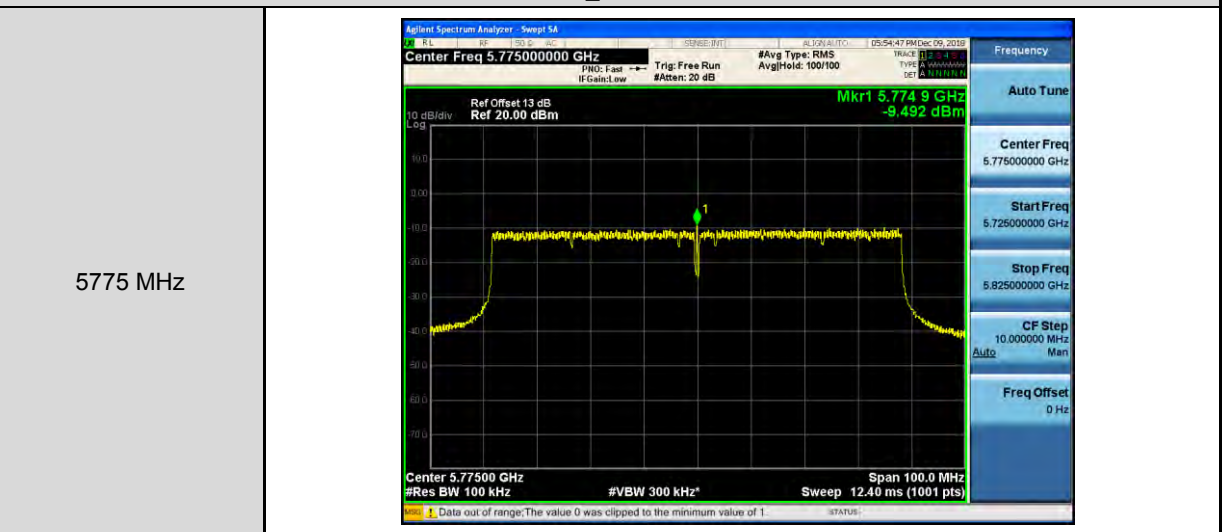




Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-3



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode_ANT-3





5.7. Frequency Stability Measurement

Temperature Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	0	120	5200.0419	41900	8.058	Pass
	10		5200.0346	34600	6.654	Pass
	20		5200.0195	19500	3.750	Pass
	30		5200.0043	4300	0.827	Pass
	40		5199.9946	-5400	-1.038	Pass
	50		5199.9835	-16500	-3.173	Pass
5785 MHz	0	120	5785.0409	40900	7.070	Pass
	10		5785.0362	36200	6.258	Pass
	20		5785.0214	21400	3.699	Pass
	30		5785.0096	9600	1.659	Pass
	40		5784.9975	-2500	-0.432	Pass
	50		5784.9844	-15600	-2.697	Pass

Voltage Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	138.00	5200.0195	19500	3.750	Pass
		120.00	5200.0195	19500	3.750	Pass
		102.00	5200.0195	19500	3.750	Pass
5785 MHz	20	138.00	5785.0214	21400	3.699	Pass
		120.00	5785.0214	21400	3.699	Pass
		102.00	5785.0214	21400	3.699	Pass

Note: The manufacturer's frequency stability specification is better than 20 ppm.