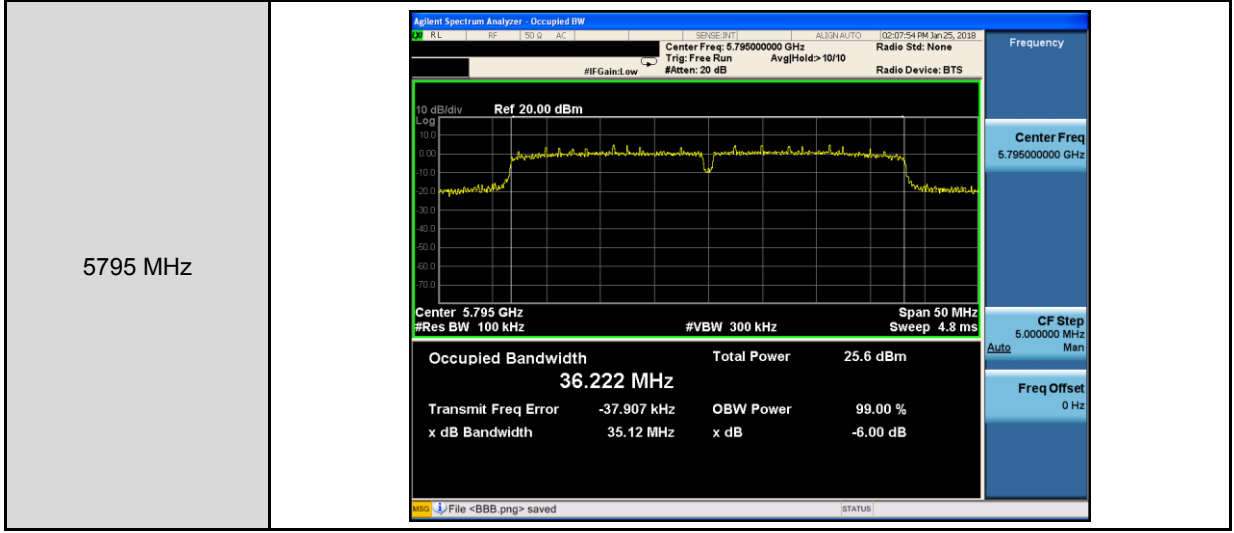
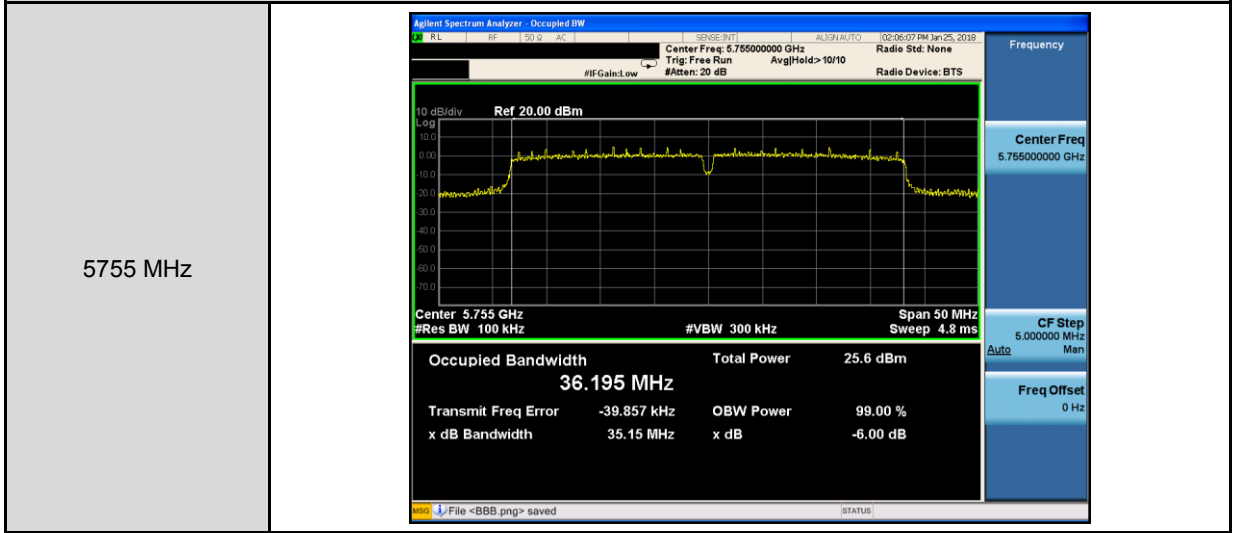
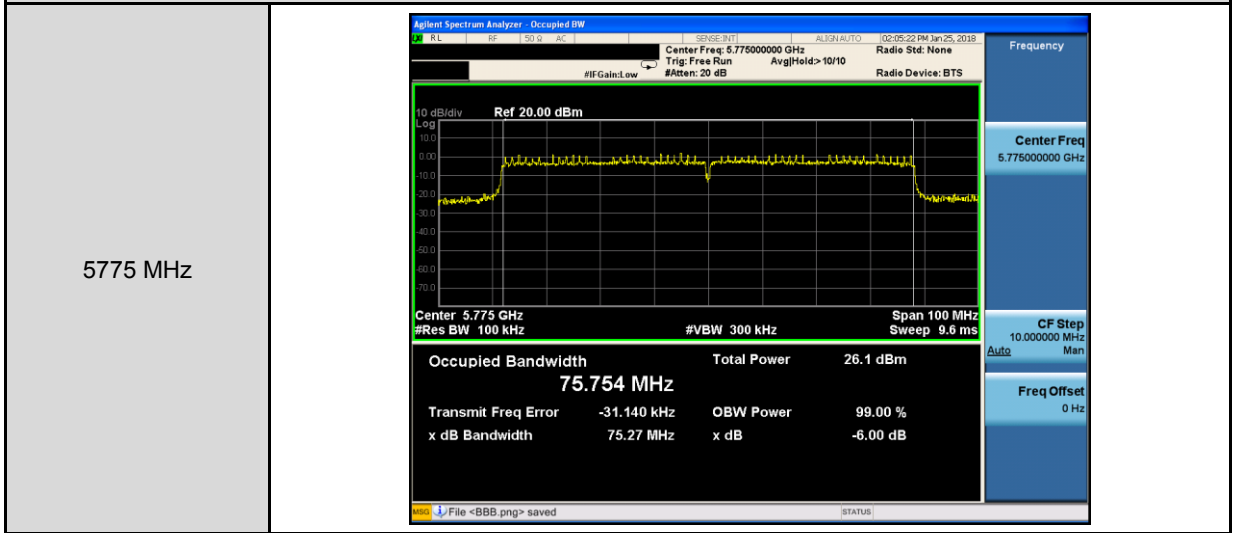




Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



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





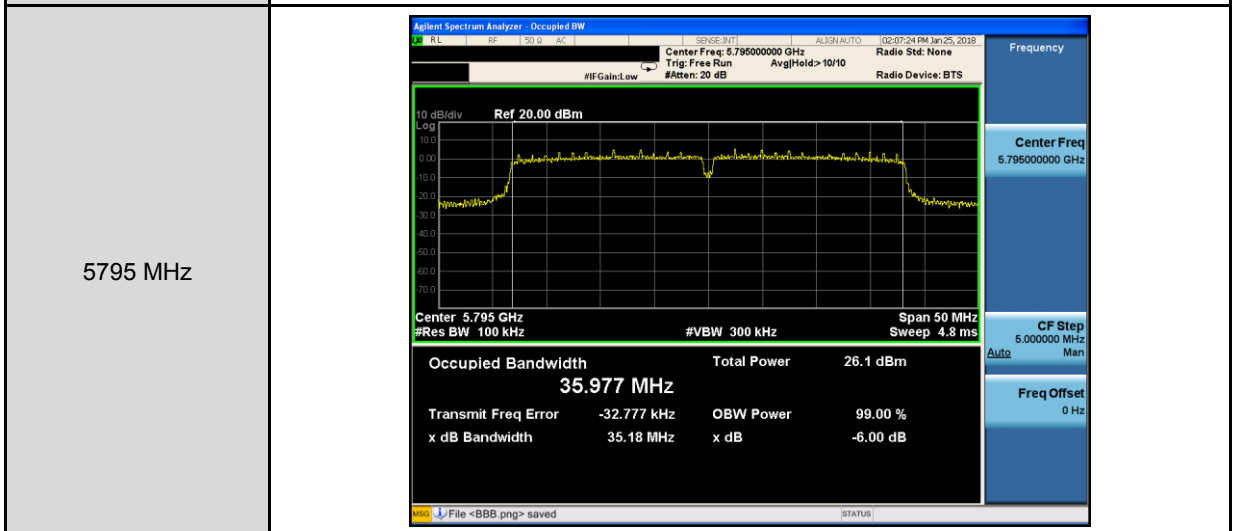
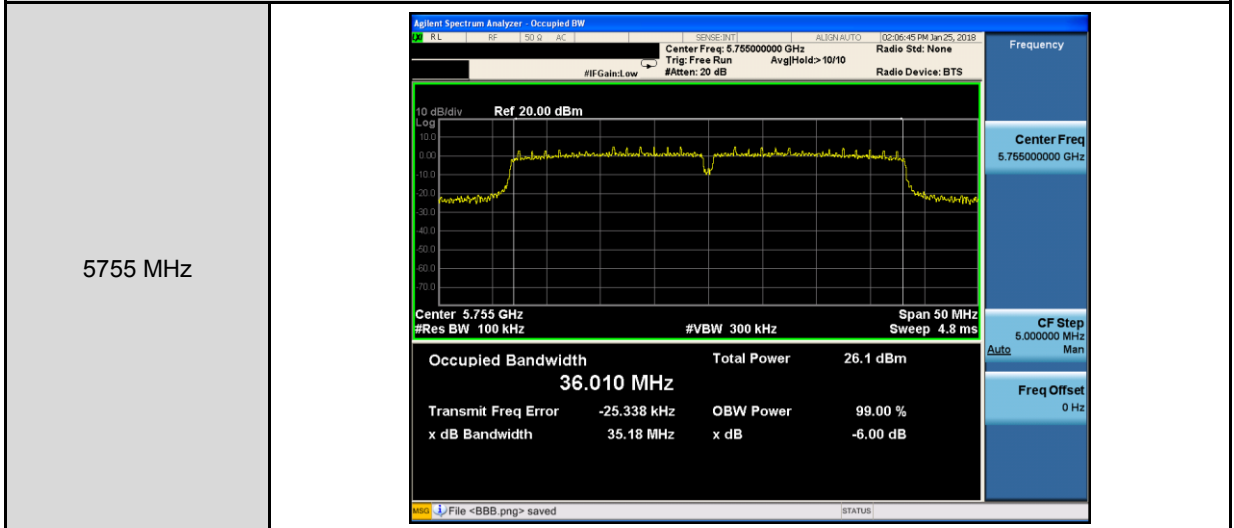
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1													
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>16.438 MHz</td><td>Total Power</td><td>25.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-30.888 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.39 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.438 MHz	Total Power	25.7 dBm	Transmit Freq Error	-30.888 kHz	OBW Power	99.00 %	x dB Bandwidth	16.39 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.438 MHz	Total Power	25.7 dBm										
Transmit Freq Error	-30.888 kHz	OBW Power	99.00 %										
x dB Bandwidth	16.39 MHz	x dB	-6.00 dB										
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>16.448 MHz</td><td>Total Power</td><td>25.6 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-32.020 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.39 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.448 MHz	Total Power	25.6 dBm	Transmit Freq Error	-32.020 kHz	OBW Power	99.00 %	x dB Bandwidth	16.39 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.448 MHz	Total Power	25.6 dBm										
Transmit Freq Error	-32.020 kHz	OBW Power	99.00 %										
x dB Bandwidth	16.39 MHz	x dB	-6.00 dB										
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>16.408 MHz</td><td>Total Power</td><td>25.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-29.348 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.38 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table>	Occupied Bandwidth	16.408 MHz	Total Power	25.7 dBm	Transmit Freq Error	-29.348 kHz	OBW Power	99.00 %	x dB Bandwidth	16.38 MHz	x dB	-6.00 dB
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Transmit Freq Error	-29.348 kHz	OBW Power	99.00 %										
x dB Bandwidth	16.38 MHz	x dB	-6.00 dB										



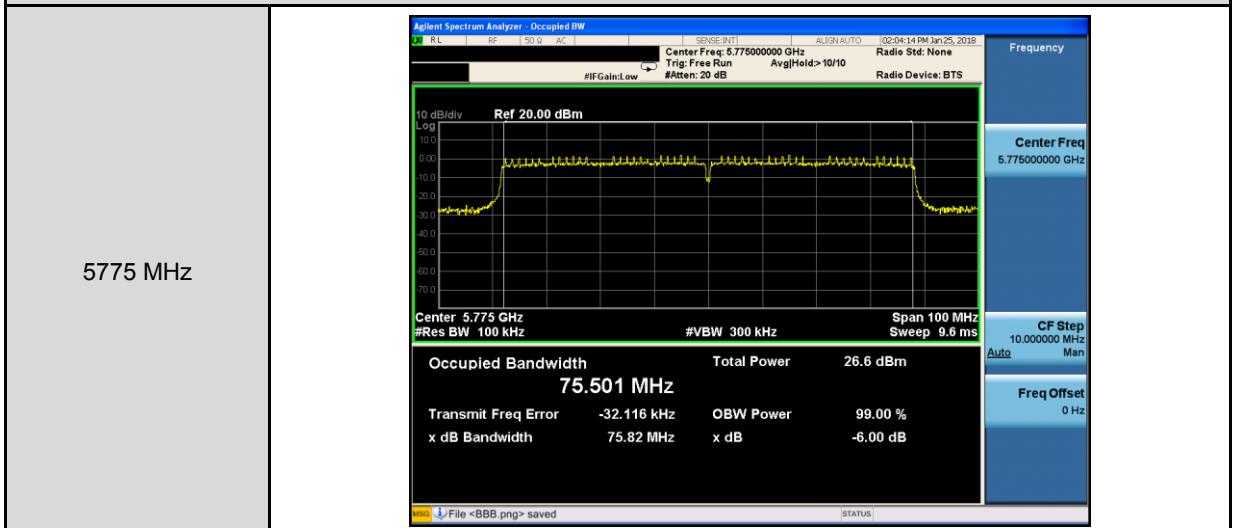
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.657 MHz Total Power 25.2 dBm</p> <p>Transmit Freq Error -32.636 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.62 MHz x dB -6.00 dB</p>
5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.628 MHz Total Power 25.8 dBm</p> <p>Transmit Freq Error -31.857 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.59 MHz x dB -6.00 dB</p>
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.620 MHz Total Power 25.5 dBm</p> <p>Transmit Freq Error -33.411 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 17.61 MHz x dB -6.00 dB</p>



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



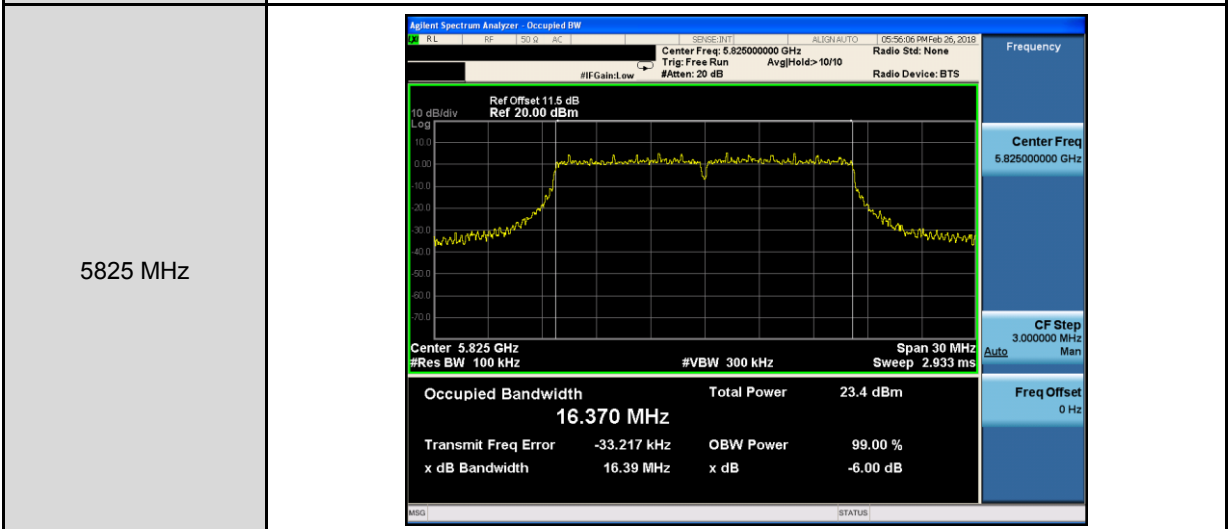
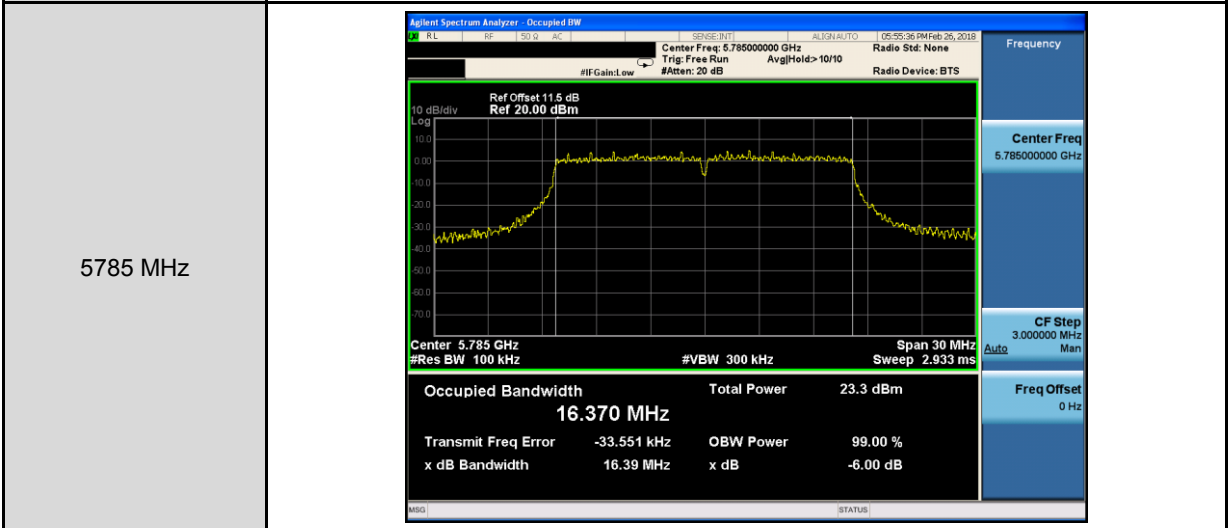
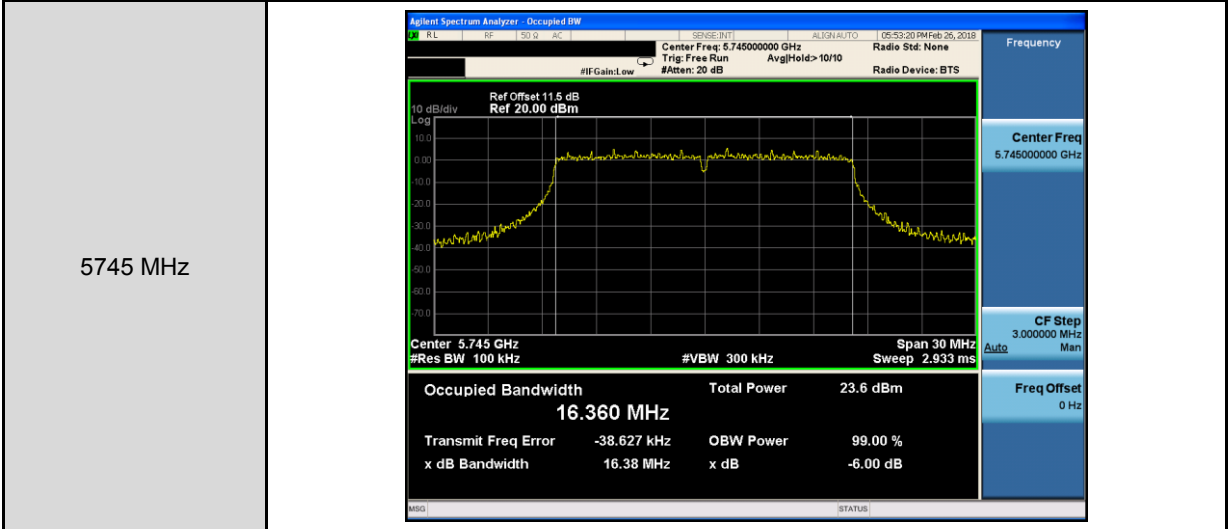
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1





Beamforming on

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0

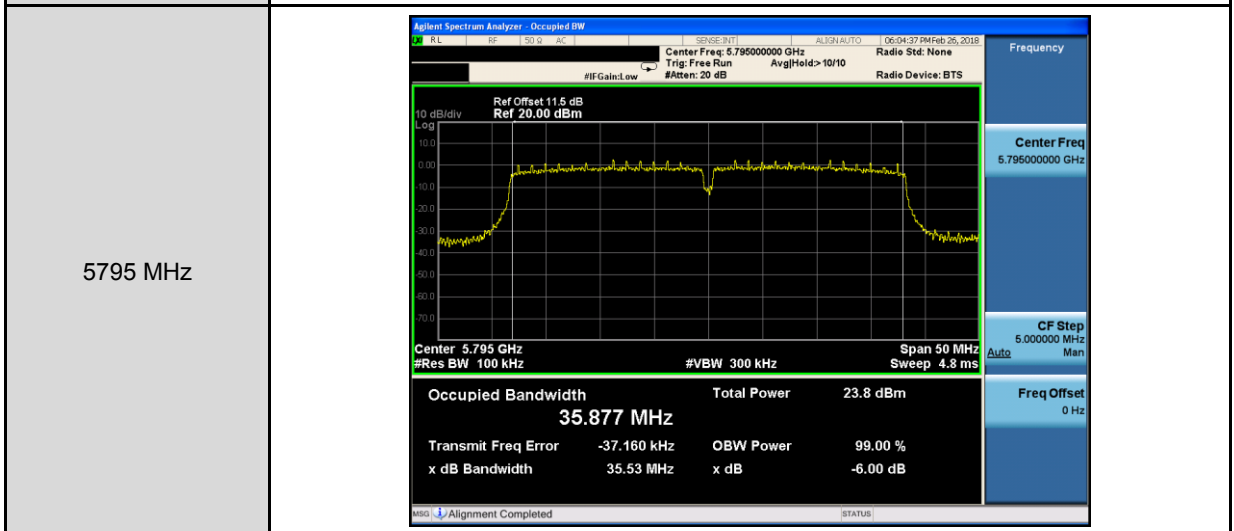
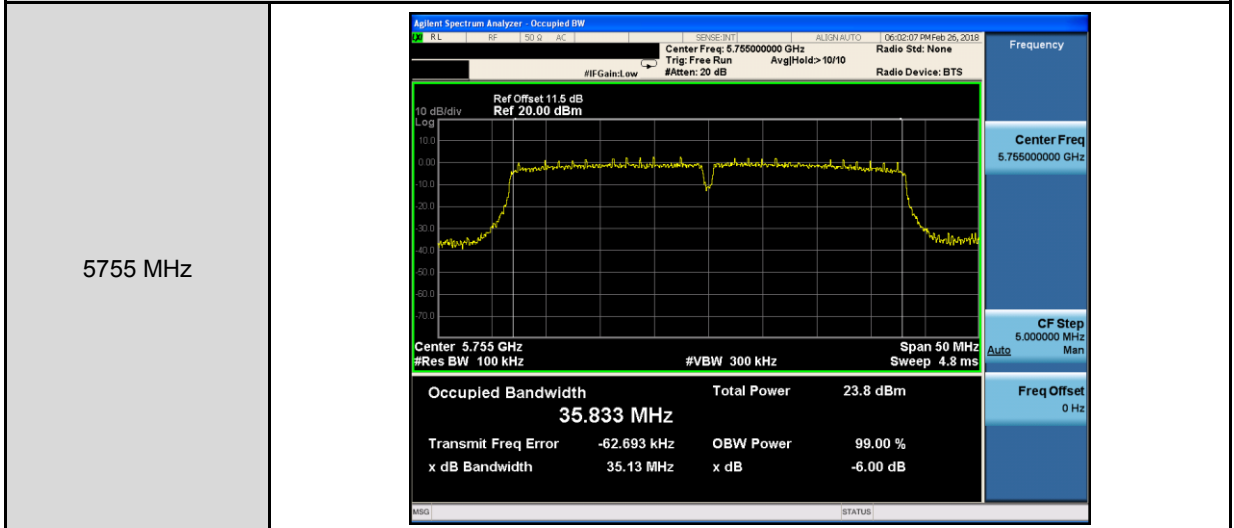




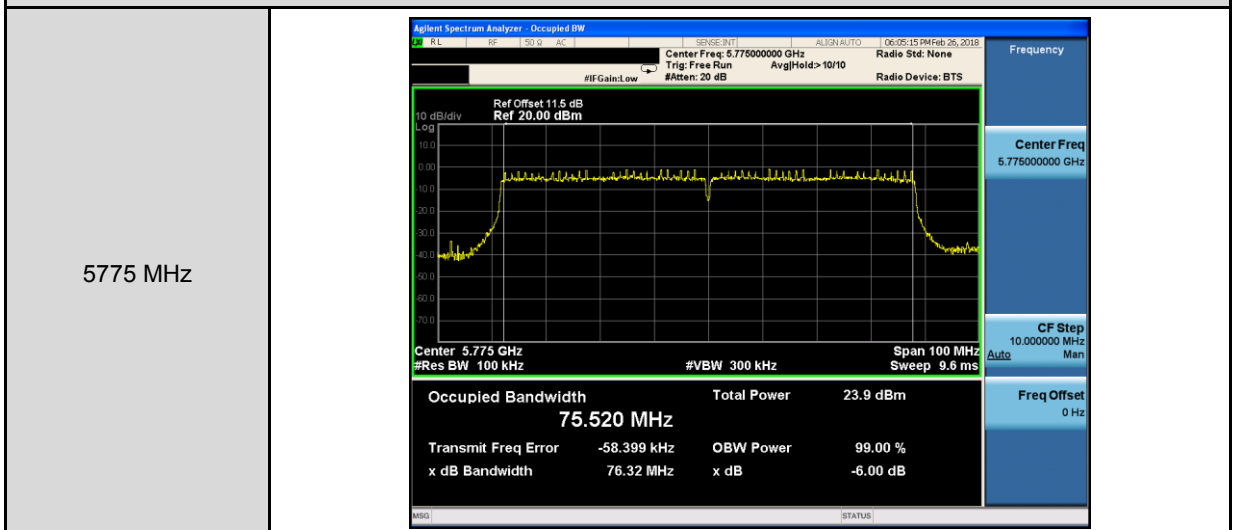
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0	
5745 MHz	<p>Center Freq: 5.74500000 GHz</p> <p>Occupied Bandwidth: 17.570 MHz</p> <p>Total Power: 23.5 dBm</p> <p>Transmit Freq Error: -37.832 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.60 MHz</p> <p>x dB: -6.00 dB</p>
5785 MHz	<p>Center Freq: 5.78500000 GHz</p> <p>Occupied Bandwidth: 17.585 MHz</p> <p>Total Power: 23.3 dBm</p> <p>Transmit Freq Error: -28.389 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.63 MHz</p> <p>x dB: -6.00 dB</p>
5825 MHz	<p>Center Freq: 5.82500000 GHz</p> <p>Occupied Bandwidth: 17.593 MHz</p> <p>Total Power: 23.2 dBm</p> <p>Transmit Freq Error: -31.763 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 17.61 MHz</p> <p>x dB: -6.00 dB</p>



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



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





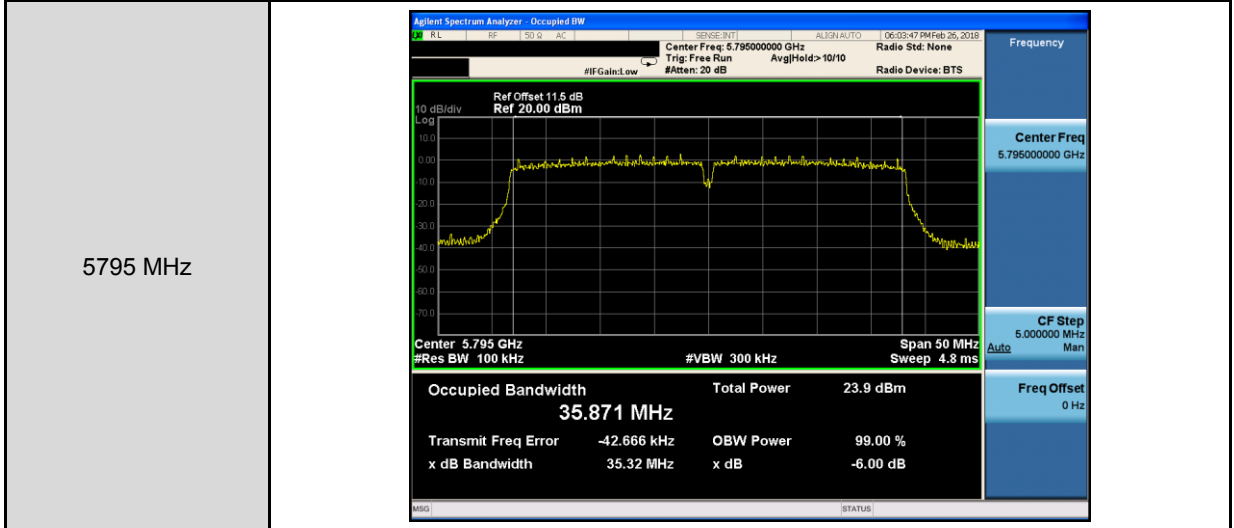
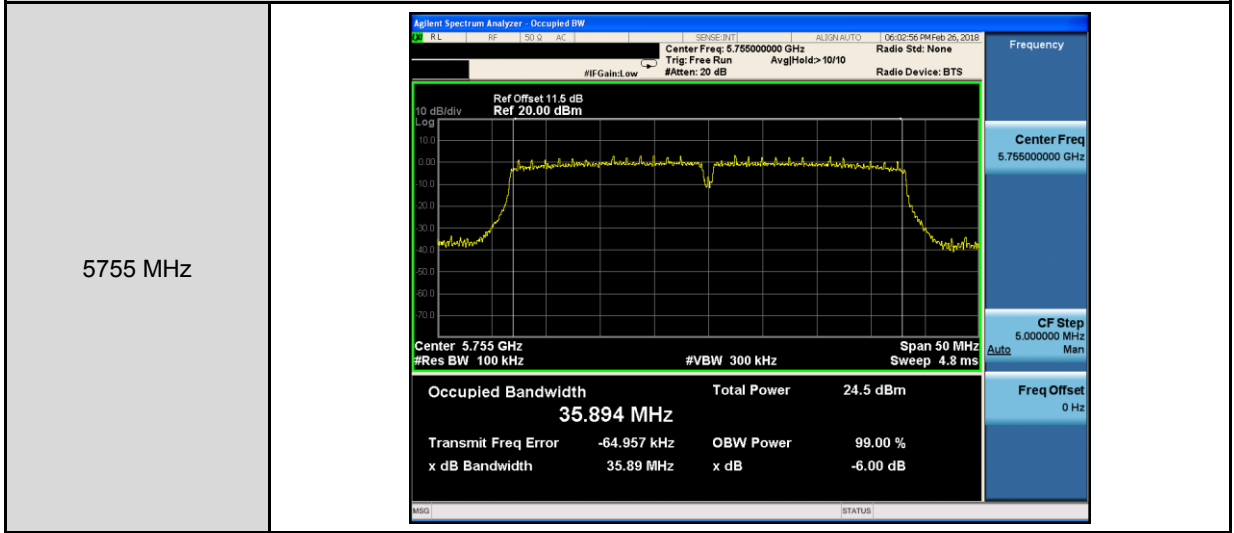
Mode 2: IEEE 802.11a Continuous TX mode_ANT-1																			
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.9 dBm</td> </tr> <tr> <td>16.367 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-39.021 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>16.43 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	23.9 dBm	16.367 MHz			Transmit Freq Error	OBW Power	99.00 %	-39.021 kHz	x dB	-6.00 dB	x dB Bandwidth			16.43 MHz		
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5785 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.6 dBm</td> </tr> <tr> <td>16.359 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-40.220 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>16.40 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	23.6 dBm	16.359 MHz			Transmit Freq Error	OBW Power	99.00 %	-40.220 kHz	x dB	-6.00 dB	x dB Bandwidth			16.40 MHz		
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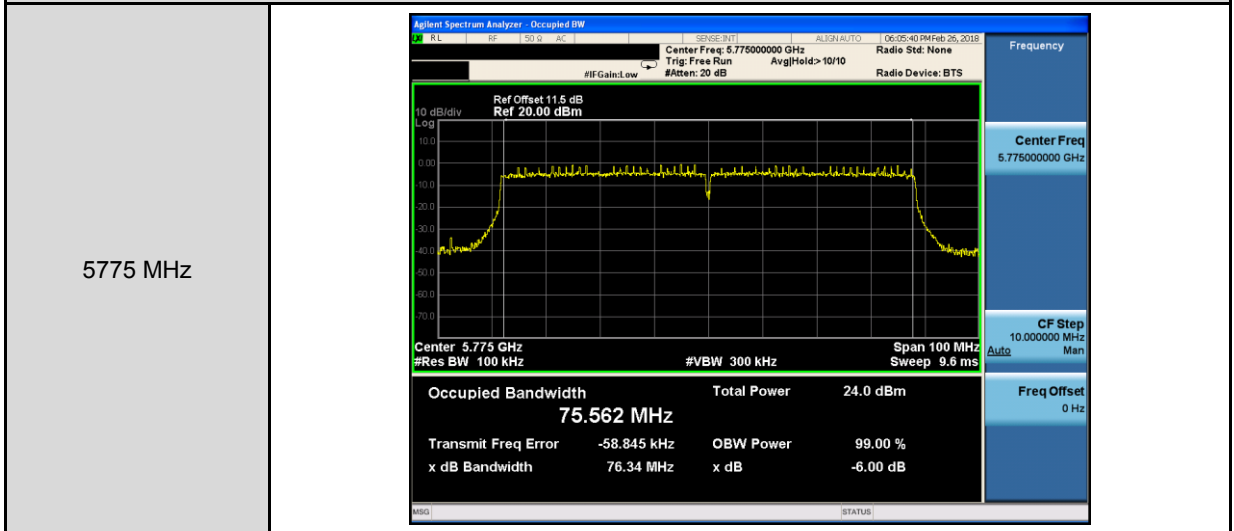
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1																			
5745 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.4 dBm</td> </tr> <tr> <td>17.591 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-36.470 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>17.64 MHz</td> <td></td> <td></td> </tr> </table> <p>Frequency: 5.74500000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>	Occupied Bandwidth	Total Power	23.4 dBm	17.591 MHz			Transmit Freq Error	OBW Power	99.00 %	-36.470 kHz	x dB	-6.00 dB	x dB Bandwidth			17.64 MHz		
Occupied Bandwidth	Total Power	23.4 dBm																	
17.591 MHz																			
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x dB Bandwidth																			
17.64 MHz																			
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17.62 MHz																			
5825 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #Att: 20 dB</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.6 dBm</td> </tr> <tr> <td>17.579 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-36.285 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>17.63 MHz</td> <td></td> <td></td> </tr> </table> <p>Frequency: 5.82500000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>	Occupied Bandwidth	Total Power	23.6 dBm	17.579 MHz			Transmit Freq Error	OBW Power	99.00 %	-36.285 kHz	x dB	-6.00 dB	x dB Bandwidth			17.63 MHz		
Occupied Bandwidth	Total Power	23.6 dBm																	
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Transmit Freq Error	OBW Power	99.00 %																	
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17.63 MHz																			



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



Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1





5.6. Maximum Power Spectral Density Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	9.857	0.105	9.962	< 15.98
5200	9.592	0.105	9.697	
5240	9.565	0.105	9.670	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	10.432	0.105	10.537	< 15.98
5200	10.571	0.105	10.676	
5240	9.075	0.105	9.180	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5180	13.269			< 15.98
5200	13.224			
5240	12.442			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	0.50	0.105	7.59	< 28.84
5785	-0.33	0.105	6.77	
5825	0.12	0.105	7.21	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	0.31	0.105	7.41	< 28.84
5785	0.68	0.105	7.77	
5825	0.77	0.105	7.86	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	10.51			< 28.84
5785	10.31			
5825	10.56			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	8.694	0.026	8.720	< 15.98
5200	8.673	0.026	8.699	
5240	9.167	0.026	9.193	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	10.109	0.026	10.135	< 15.98
5200	9.872	0.026	9.898	
5240	8.424	0.026	8.450	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5180	12.495			< 15.98
5200	12.350			
5240	11.848			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-0.24	0.026	6.78	< 28.84
5785	-0.34	0.026	6.68	
5825	-0.71	0.026	6.30	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-0.13	0.026	6.89	< 28.84
5785	0.13	0.026	7.15	
5825	0.41	0.026	7.42	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	9.84			< 28.84
5785	9.93			
5825	9.91			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	4.875	0.071	4.946	< 15.98
5230	6.350	0.071	6.421	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	5.049	0.071	5.120	< 15.98
5230	5.951	0.071	6.022	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
5190	8.044			< 15.98
5230	9.236			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-2.76	0.071	4.30	< 28.84
5795	-2.72	0.071	4.34	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-2.22	0.071	4.84	< 28.84
5795	-2.12	0.071	4.94	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5755	7.59			< 28.84
5795	7.66			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-0.538	0.185	-0.353	< 15.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-0.392	0.185	-0.207	< 15.98
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5210	2.731			< 15.98

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-5.82	0.185	1.36	< 28.84
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-6.03	0.185	1.15	< 28.84
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5775	4.27			< 28.84

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Beamforming on

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5180	6.083	0.105	6.188
	5200	5.991	0.105	6.096
5240	5.759	0.105	5.864	< 15.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
	5180	6.043	0.105	6.148
	5200	6.131	0.105	6.236
5240	6.207	0.105	6.312	< 15.98
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			
	5180	9.179		< 15.98
	5200	9.177		
5240	9.104			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-2.90	0.105	4.19	< 28.84
5785	-3.34	0.105	3.75	
5825	-3.04	0.105	4.06	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-3.11	0.105	3.98	< 28.84
5785	-3.04	0.105	4.05	
5825	-2.79	0.105	4.31	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	7.10			< 28.84
5785	6.92			
5825	7.19			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.047	0.026	6.073	< 15.98
5200	5.929	0.026	5.955	
5240	5.500	0.026	5.526	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5180	6.128	0.026	6.154	< 15.98
5200	6.272	0.026	6.298	
5240	5.495	0.026	5.521	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5180	9.124			< 15.98
5200	9.140			
5240	8.534			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-4.02	0.026	3.00	< 28.84
5785	-3.68	0.026	3.34	
5825	-3.42	0.026	3.60	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5745	-4.17	0.026	2.85	< 28.84
5785	-3.24	0.026	3.78	
5825	-3.28	0.026	3.74	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			
5745	5.94			< 28.84
5785	6.57			
5825	6.68			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.286	0.071	1.357	< 15.98
5230	2.987	0.071	3.058	
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5190	1.403	0.071	1.474	< 15.98
5230	2.863	0.071	2.934	
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5190	4.426			< 15.98
5230	6.006			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-6.07	0.071	0.99	< 28.84
5795	-6.03	0.071	1.03	
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5755	-5.81	0.071	1.25	< 28.84
5795	-5.55	0.071	1.51	
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5755	4.14			< 28.84
5795	4.29			

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)



Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.294	0.185	-3.109	< 15.98
Frequency (MHz)	ANT-1			
	Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
5210	-3.103	0.185	-2.918	< 15.98
Frequency (MHz)	ANT-0+1			Limit (dBm/MHz)
	Calculated (dBm/MHz)			Limit (dBm/MHz)
5210	-0.002			< 15.98

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.



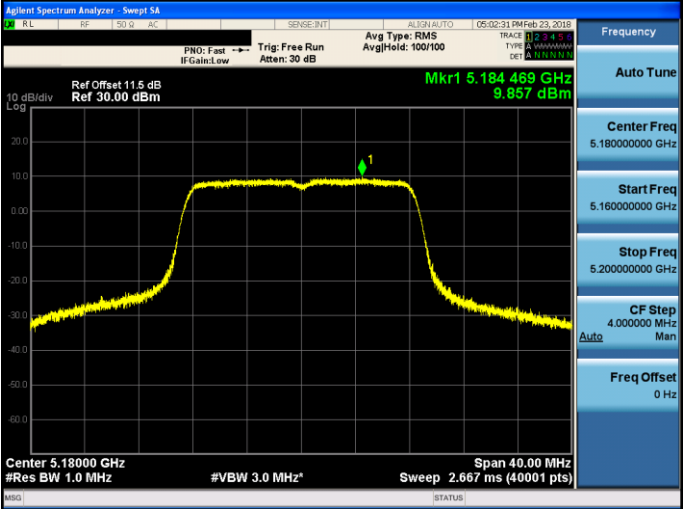
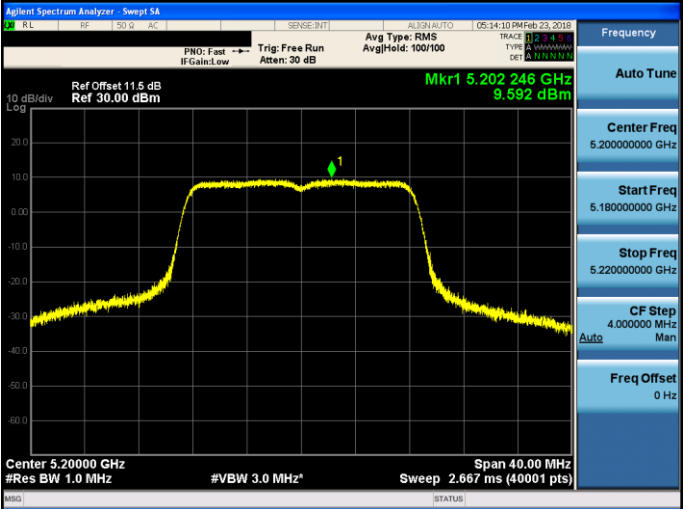
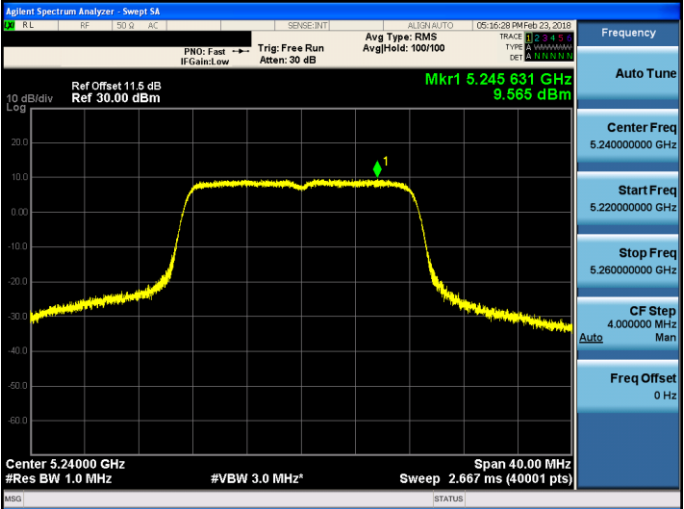
Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-9.37	0.185	-2.20	< 28.84
Frequency (MHz)	ANT-1			
	Measurement (dBm/100KHz)	Duty Factor (dB)	Calculated (dBm/500KHz)	Limit (dBm/500KHz)
5775	-9.42	0.185	-2.24	< 28.84
Frequency (MHz)	ANT-0+1			Limit (dBm/500KHz)
	Calculated (dBm/500KHz)			Limit (dBm/500KHz)
5775	0.79			< 28.84

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

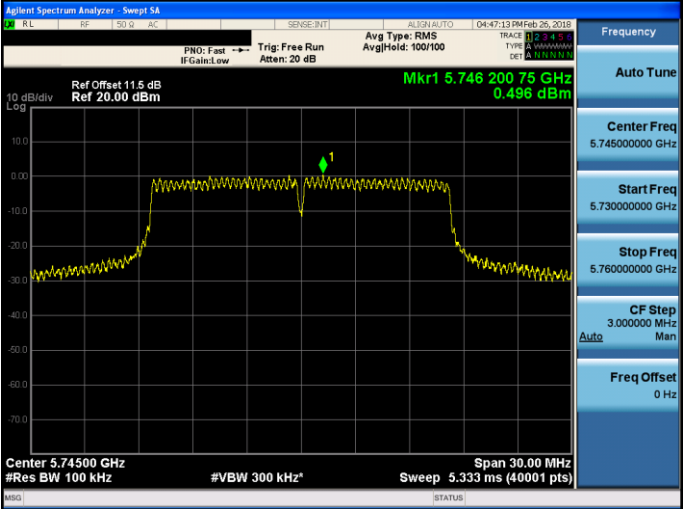
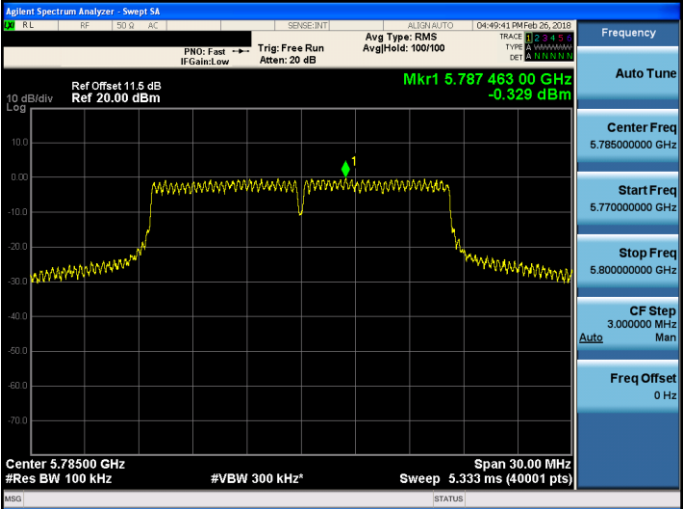
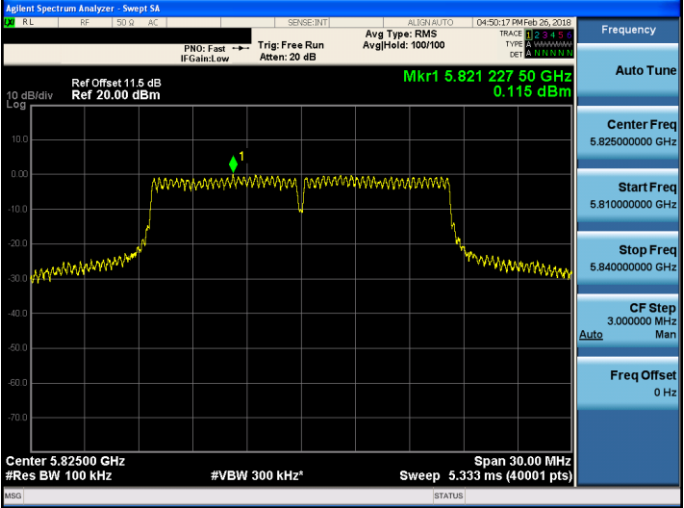
Conversion ratio = 10*Log(500k/100k)



■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5180 MHz	 <p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.18000000 GHz</p> <p>Start Freq 5.16000000 GHz</p> <p>Stop Freq 5.20000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p> <p>Mkr1 5.184 469 GHz 9.857 dBm</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts)</p>
5200 MHz	 <p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.20000000 GHz</p> <p>Start Freq 5.18000000 GHz</p> <p>Stop Freq 5.22000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p> <p>Mkr1 5.202 246 GHz 9.592 dBm</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts)</p>
5240 MHz	 <p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.24000000 GHz</p> <p>Start Freq 5.22000000 GHz</p> <p>Stop Freq 5.26000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p> <p>Mkr1 5.245 631 GHz 9.585 dBm</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts)</p>

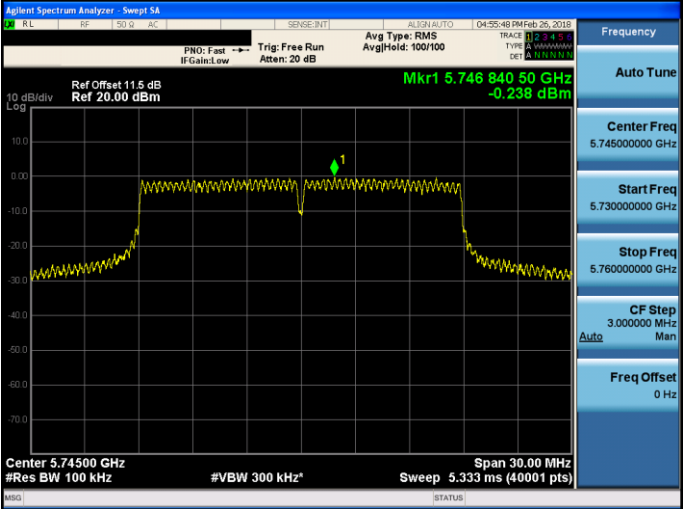
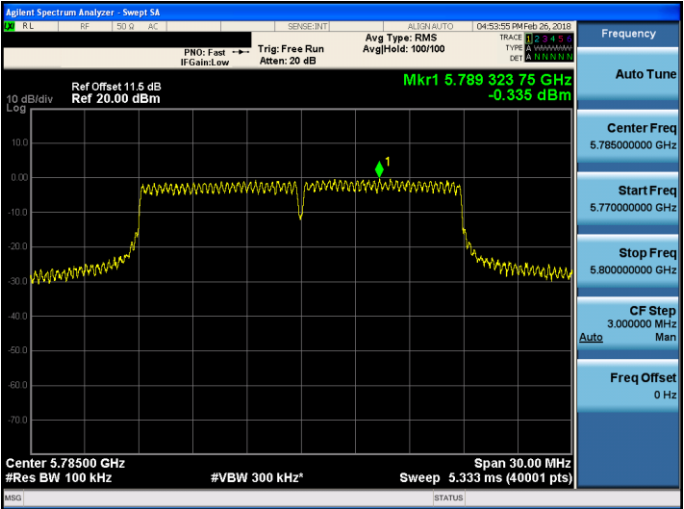
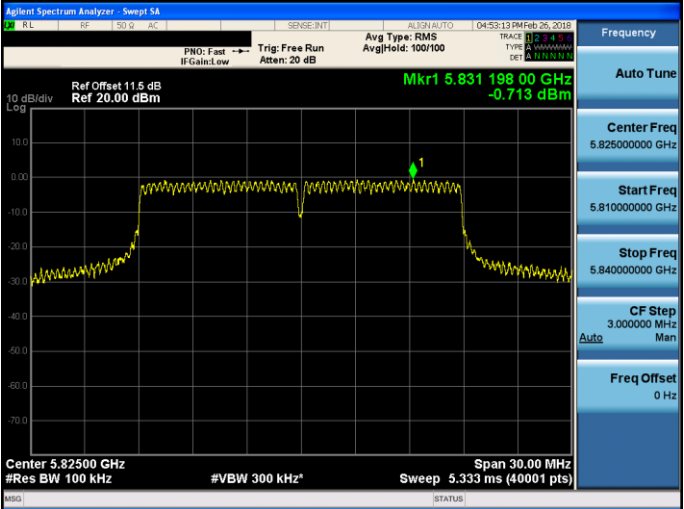


Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
<p>5745 MHz</p>	
<p>5785 MHz</p>	
<p>5825 MHz</p>	



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
<p>5180 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Mkr1 5.183 923 GHz 8.694 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts)</p>
<p>5200 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Mkr1 5.203 366 GHz 8.673 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts)</p>
<p>5240 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Mkr1 5.241 822 GHz 9.167 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts)</p>



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
5745 MHz	 <p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.745000000 GHz</p> <p>Start Freq 5.730000000 GHz</p> <p>Stop Freq 5.760000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p> <p>Mkr1 5.746 840 50 GHz -0.238 dBm</p> <p>Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts)</p>
5785 MHz	 <p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.785000000 GHz</p> <p>Start Freq 5.770000000 GHz</p> <p>Stop Freq 5.800000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p> <p>Mkr1 5.789 323 75 GHz -0.335 dBm</p> <p>Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts)</p>
5825 MHz	 <p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.825000000 GHz</p> <p>Start Freq 5.810000000 GHz</p> <p>Stop Freq 5.840000000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p> <p>Mkr1 5.831 198 00 GHz -0.713 dBm</p> <p>Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts)</p>

