



Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1													
5180 MHz	<p>Agilent Spectrum Analyzer: Swept SA RL 50 Hz AC SENSE:INT1 ALIGN:ALTO 09:02:57 PM Feb 23, 2018 PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 30 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 30.00 dBm Mkr1 5.178 693 GHz 10.432 dBm 10 dB/div Log Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts) MSG STATUS</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.180000000 GHz</td></tr><tr><td>Start Freq</td><td>5.160000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.200000000 GHz</td></tr><tr><td>CF Step</td><td>4.000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.180000000 GHz	Start Freq	5.160000000 GHz	Stop Freq	5.200000000 GHz	CF Step	4.000000 MHz Auto Man	Freq Offset	0 Hz
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CF Step	4.000000 MHz Auto Man												
Freq Offset	0 Hz												
5200 MHz	<p>Agilent Spectrum Analyzer: Swept SA RL 50 Hz AC SENSE:INT1 ALIGN:ALTO 09:13:14 PM Feb 23, 2018 PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 30 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 30.00 dBm Mkr1 5.197 699 GHz 10.571 dBm 10 dB/div Log Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts) MSG STATUS</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.200000000 GHz</td></tr><tr><td>Start Freq</td><td>5.180000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.220000000 GHz</td></tr><tr><td>CF Step</td><td>4.000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.200000000 GHz	Start Freq	5.180000000 GHz	Stop Freq	5.220000000 GHz	CF Step	4.000000 MHz Auto Man	Freq Offset	0 Hz
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Freq Offset	0 Hz												
5240 MHz	<p>Agilent Spectrum Analyzer: Swept SA RL 50 Hz AC SENSE:INT1 ALIGN:ALTO 09:17:05 PM Feb 23, 2018 PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 30 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 30.00 dBm Mkr1 5.244 644 GHz 9.075 dBm 10 dB/div Log Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts) MSG STATUS</p> <table border="1"><tr><td>Frequency</td><td>Auto Tune</td></tr><tr><td>Center Freq</td><td>5.240000000 GHz</td></tr><tr><td>Start Freq</td><td>5.220000000 GHz</td></tr><tr><td>Stop Freq</td><td>5.260000000 GHz</td></tr><tr><td>CF Step</td><td>4.000000 MHz Auto Man</td></tr><tr><td>Freq Offset</td><td>0 Hz</td></tr></table>	Frequency	Auto Tune	Center Freq	5.240000000 GHz	Start Freq	5.220000000 GHz	Stop Freq	5.260000000 GHz	CF Step	4.000000 MHz Auto Man	Freq Offset	0 Hz
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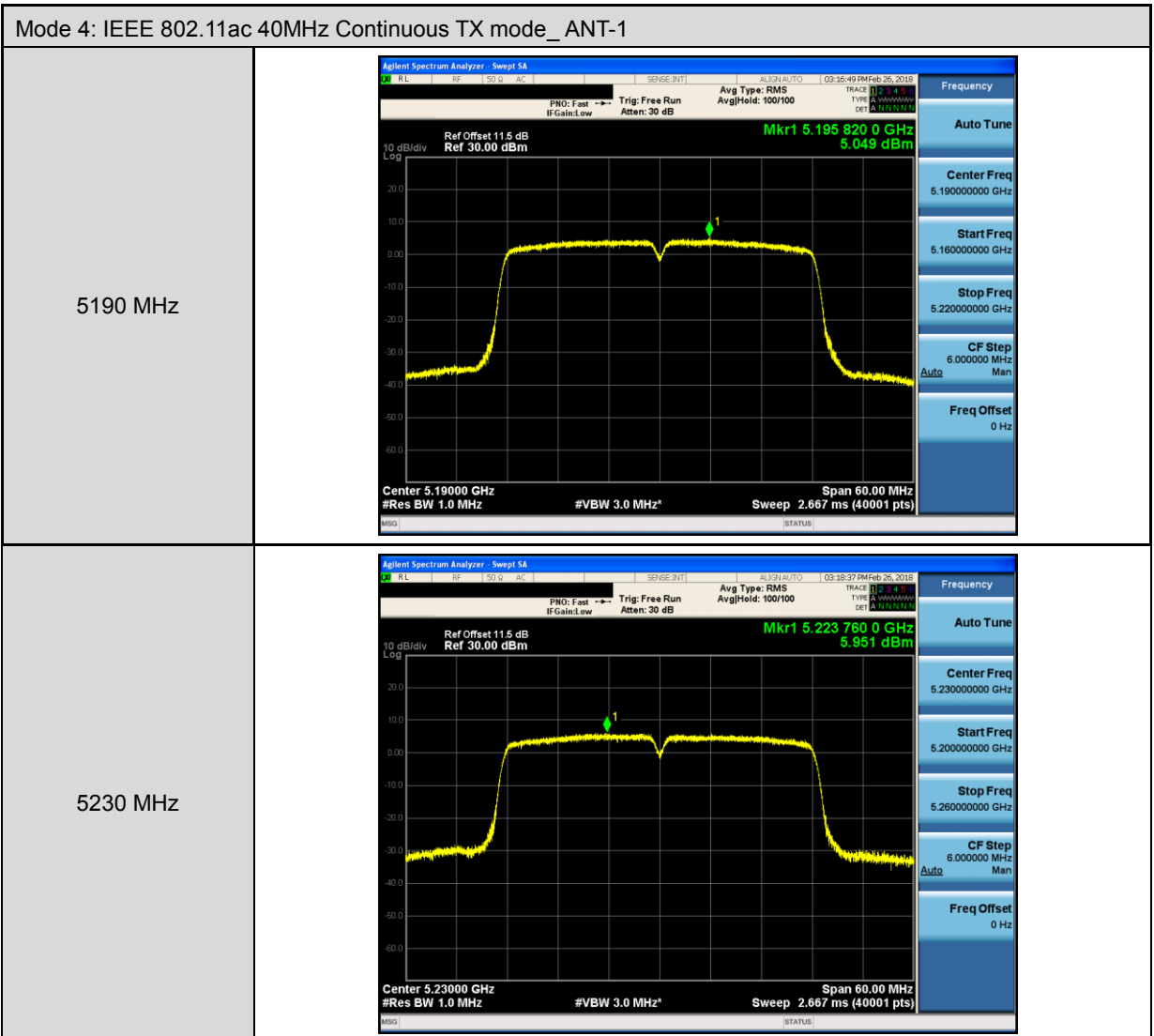
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.748 093 00 GHz 0.314 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 5.333 ms (40001 pts)</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.783 070 25 GHz 0.677 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 5.333 ms (40001 pts)</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.826 823 25 GHz 0.765 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz* Span 30.00 MHz Sweep 5.333 ms (40001 pts)</p>

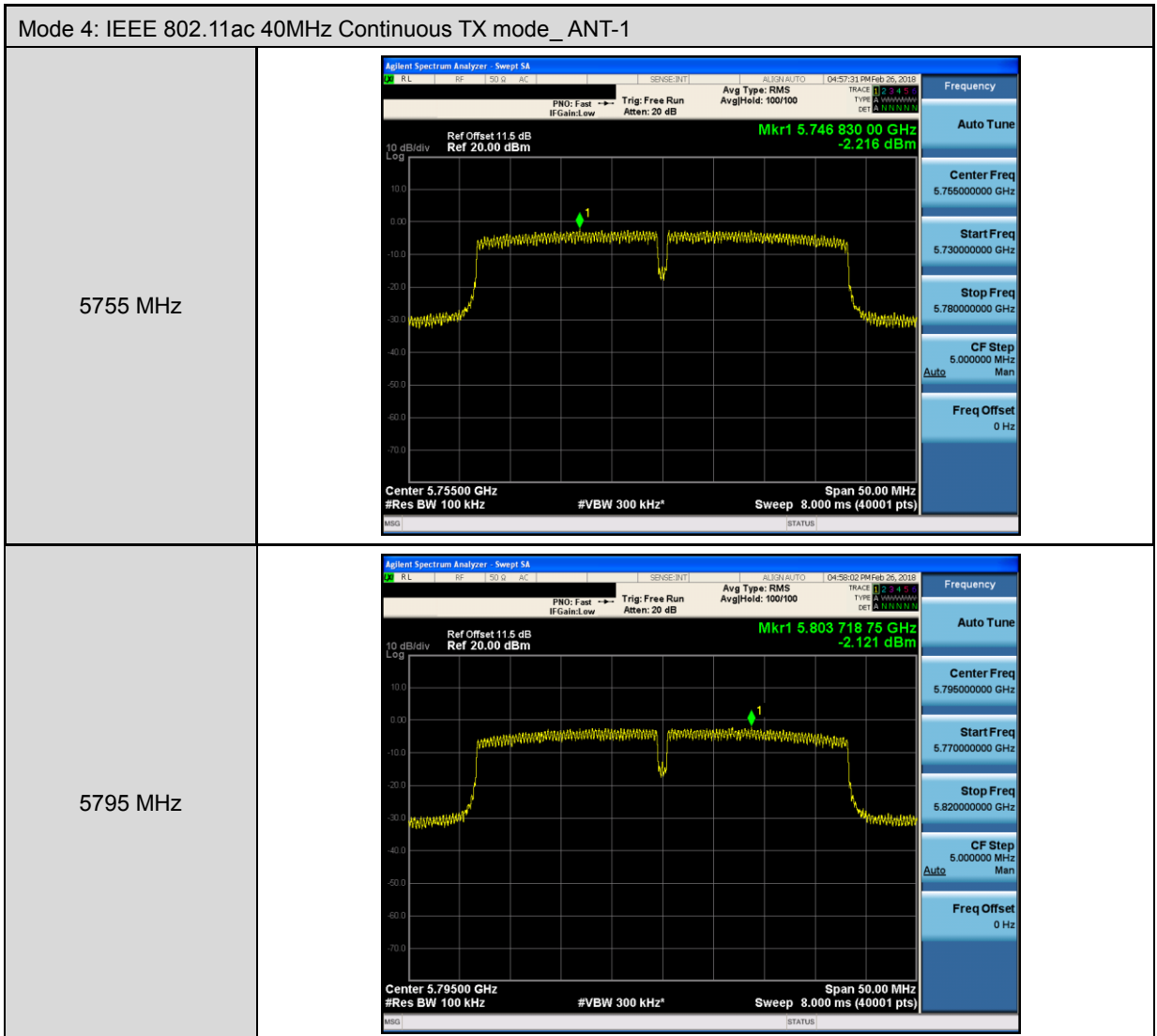


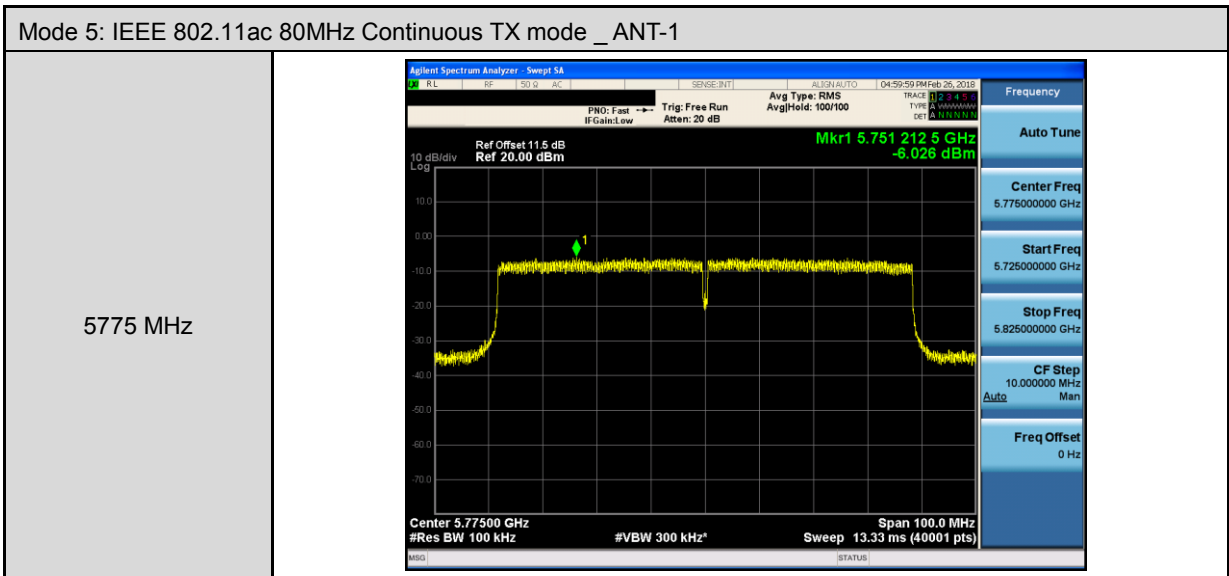
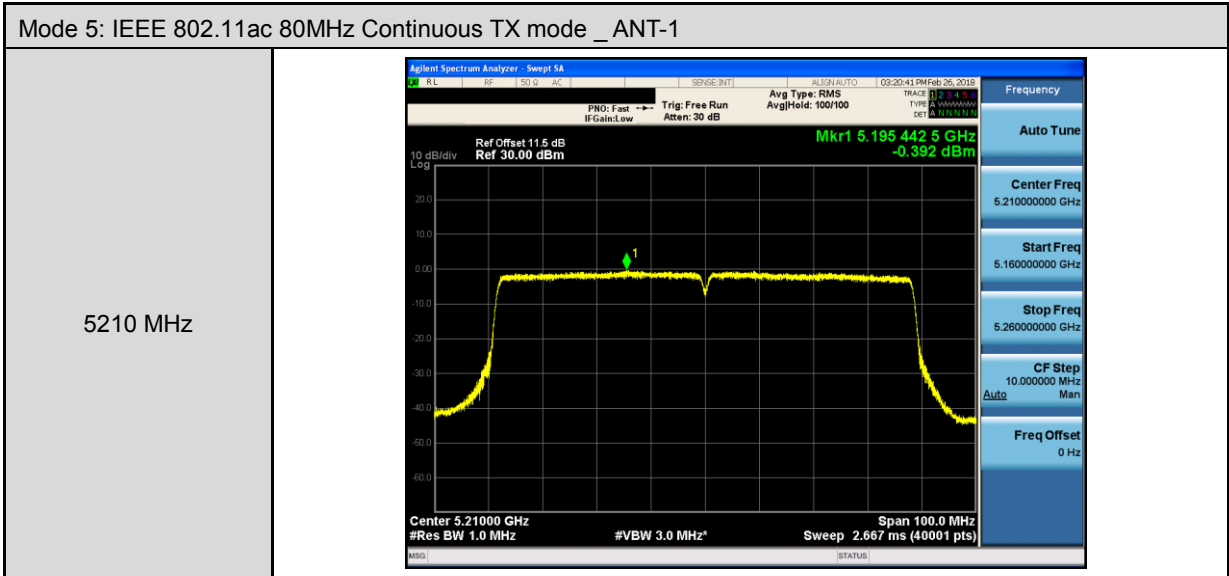
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-1	
<p>5180 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Mkr1 5.175 733 GHz 10.109 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 40.00 MHz Sweep 2.667 ms (40001 pts)</p>
<p>5200 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Mkr1 5.203 218 GHz 9.872 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 5.236 700 GHz 8.424 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-1	
5745 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.742 174 00 GHz -0.126 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.784 317 50 GHz 0.130 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.828 705 75 GHz 0.409 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>



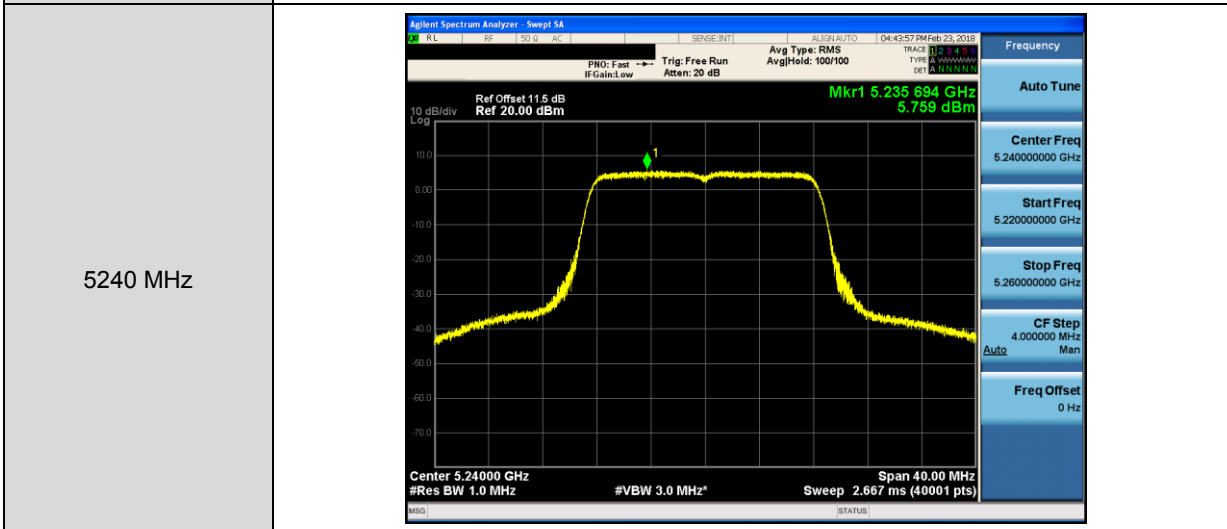
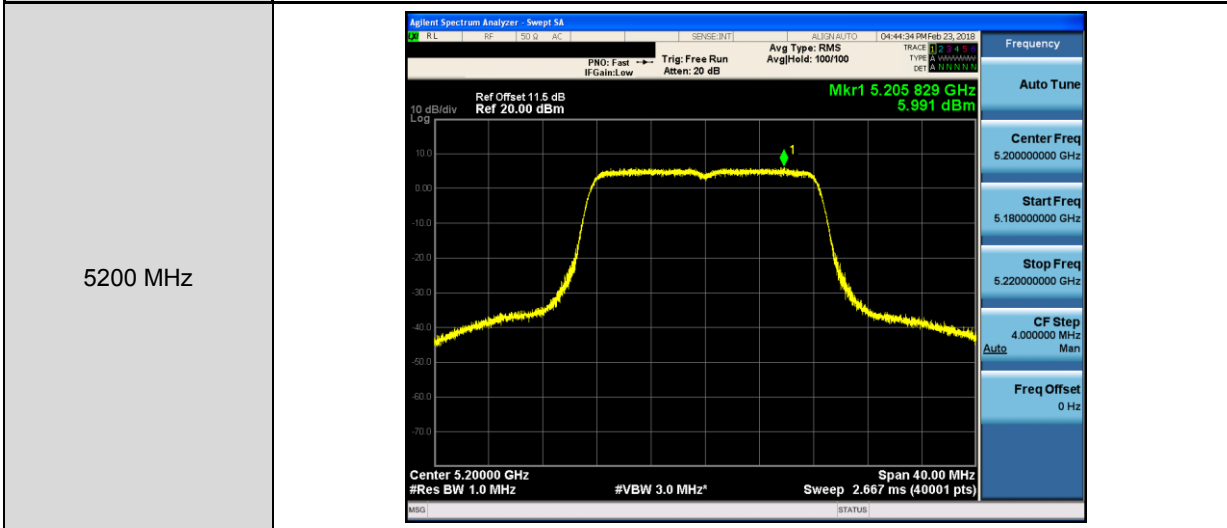
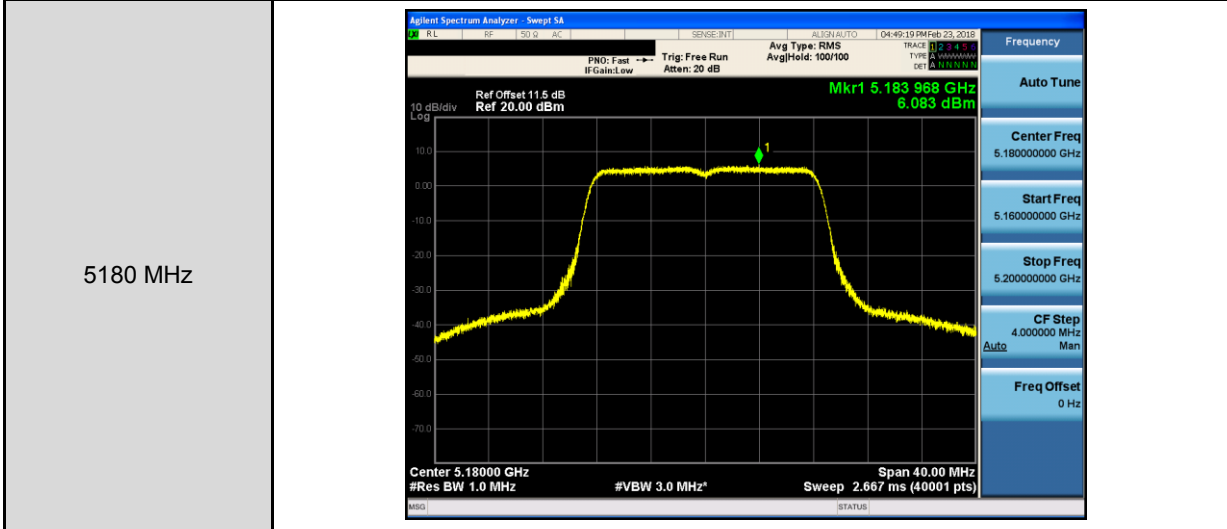




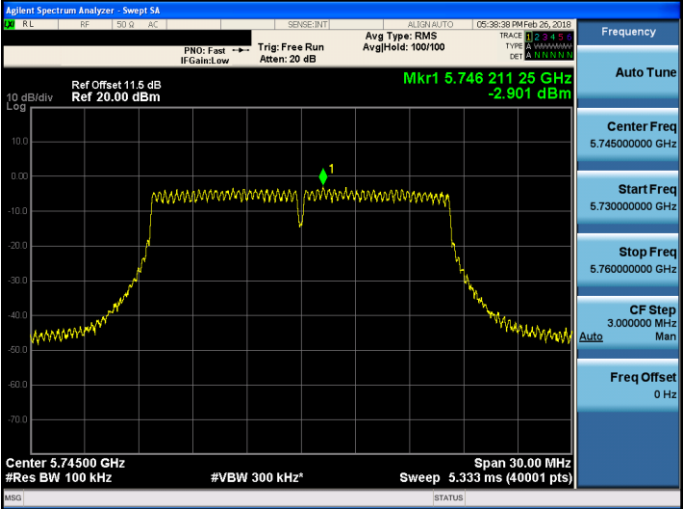
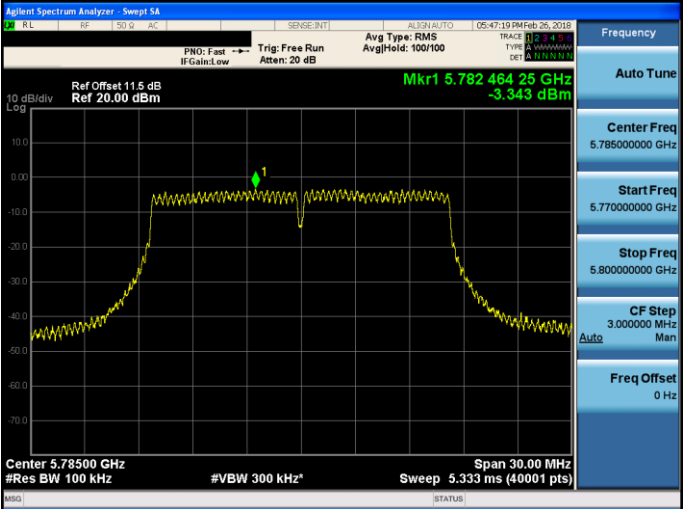
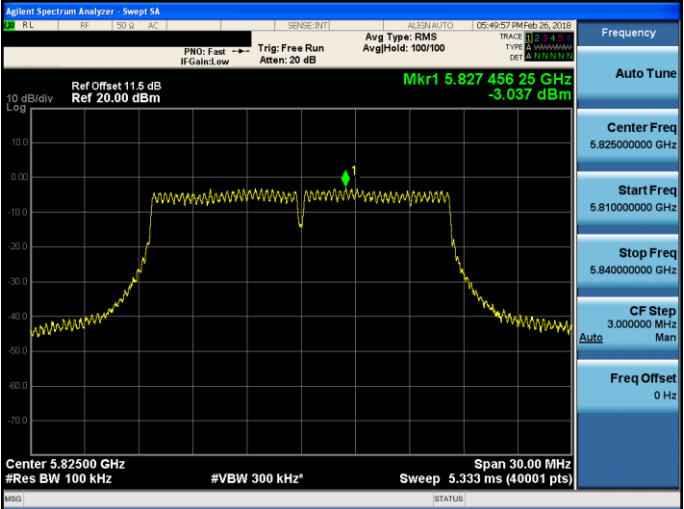


Beamforming on

Mode 2: IEEE 802.11a Continuous TX mode _ANT-0





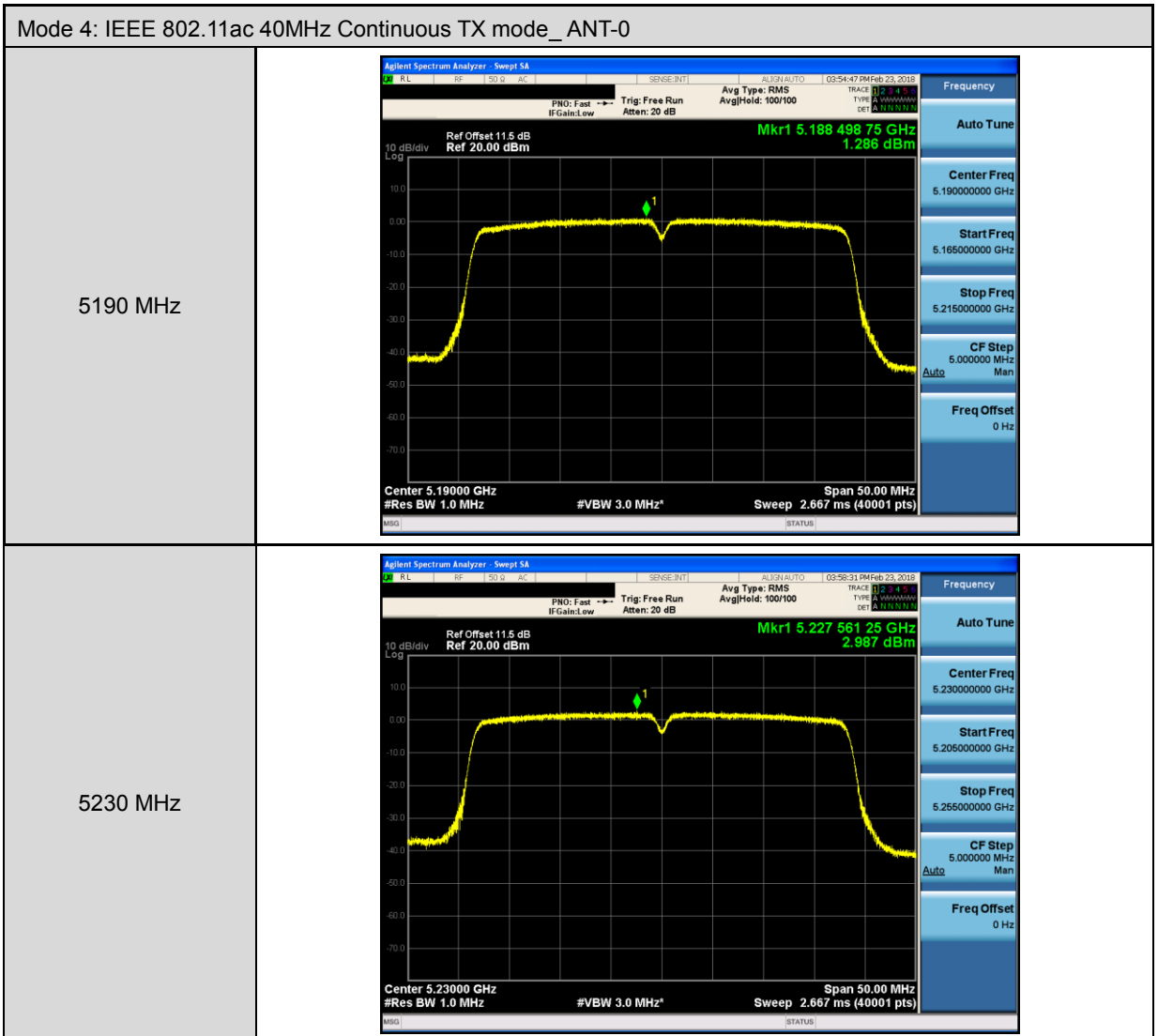
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0	
5745 MHz	 <p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.746 211 25 GHz -2.901 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>
5785 MHz	 <p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.782 464 25 GHz -3.343 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>
5825 MHz	 <p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.827 456 25 GHz -3.037 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>

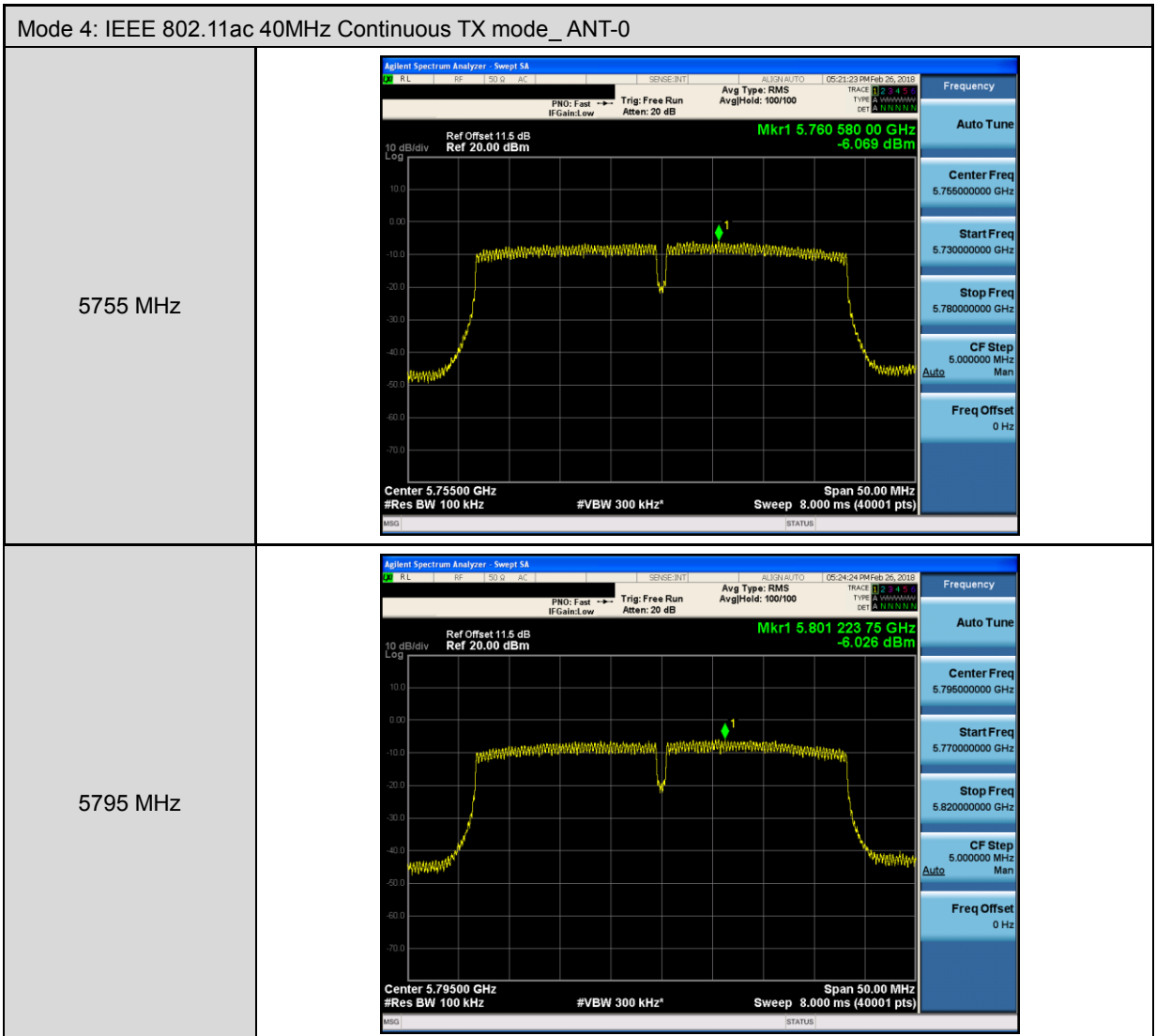


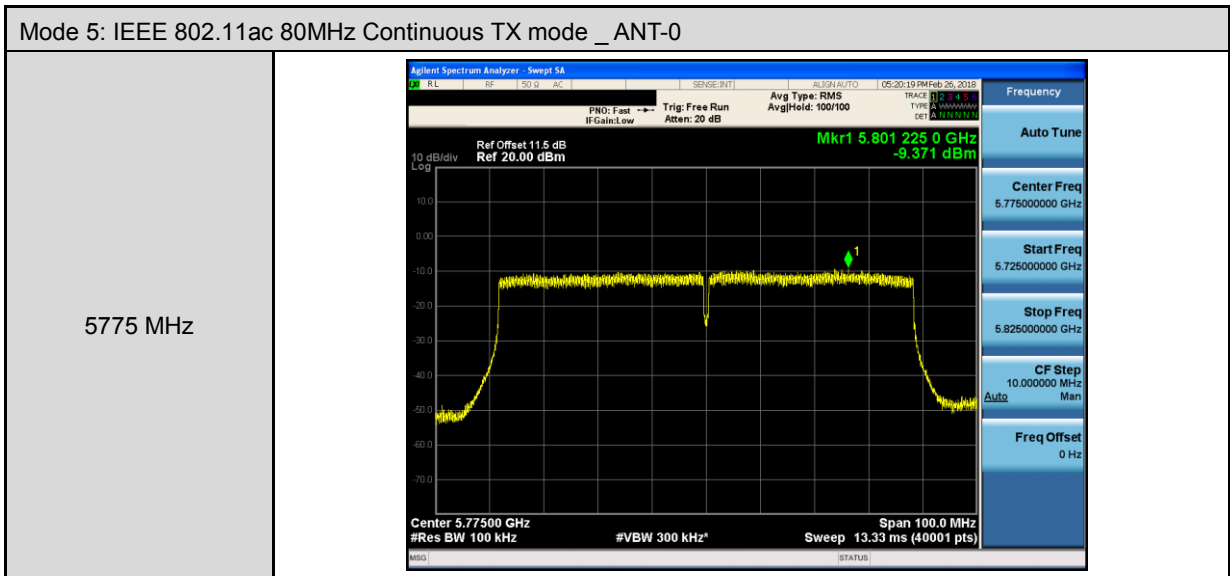
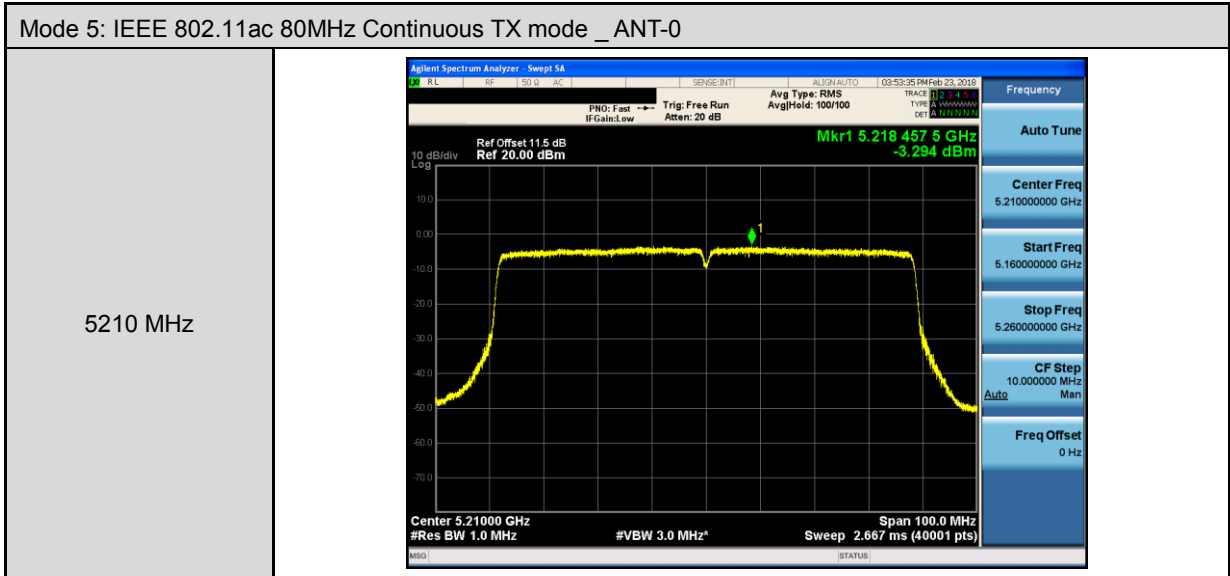
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
5180 MHz	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Mkr1 5.181 205 GHz 6.047 dBm Ref Offset 11.5 dB Ref 20.00 dBm 10 dB/div Log Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 40.00 MHz Sweep 2.667 ms (40001 pts) Frequency: Auto Tune, Center Freq: 5.180000000 GHz, Start Freq: 5.160000000 GHz, Stop Freq: 5.200000000 GHz, CF Step: 4.000000 MHz, Freq Offset: 0 Hz</p>
5200 MHz	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Mkr1 5.197 038 GHz 5.929 dBm Ref Offset 11.5 dB Ref 20.00 dBm 10 dB/div Log Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 40.00 MHz Sweep 2.667 ms (40001 pts) Frequency: Auto Tune, Center Freq: 5.200000000 GHz, Start Freq: 5.180000000 GHz, Stop Freq: 5.220000000 GHz, CF Step: 4.000000 MHz, Freq Offset: 0 Hz</p>
5240 MHz	<p>Agilent Spectrum Analyzer: Sweep SA PNO: Fast IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100 Mkr1 5.241 479 GHz 5.500 dBm Ref Offset 11.5 dB Ref 20.00 dBm 10 dB/div Log Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Span 40.00 MHz Sweep 2.667 ms (40001 pts) Frequency: Auto Tune, Center Freq: 5.240000000 GHz, Start Freq: 5.220000000 GHz, Stop Freq: 5.260000000 GHz, CF Step: 4.000000 MHz, Freq Offset: 0 Hz</p>



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0	
5745 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.743 398 00 GHz -4.015 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.790 616 75 GHz -3.678 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.826 214 25 GHz -3.416 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz</p>



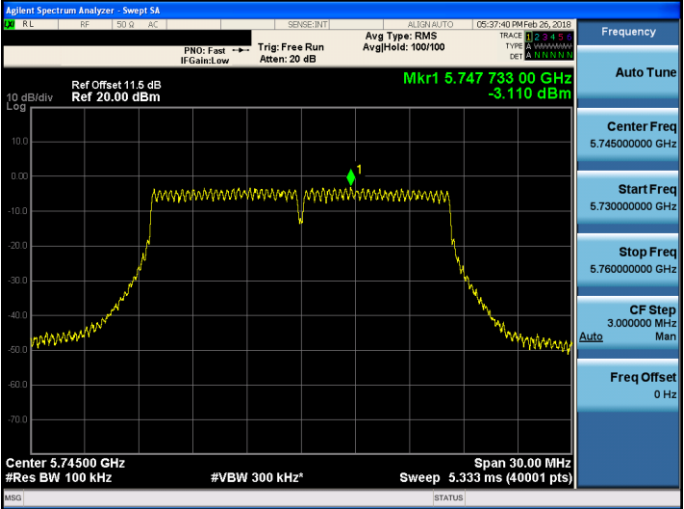
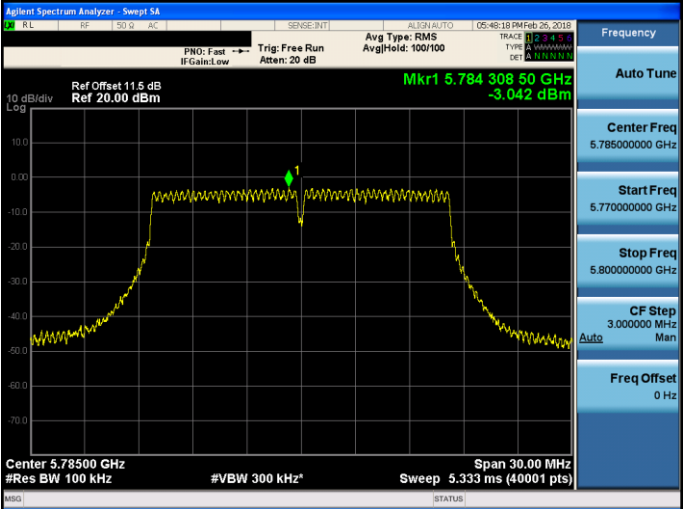
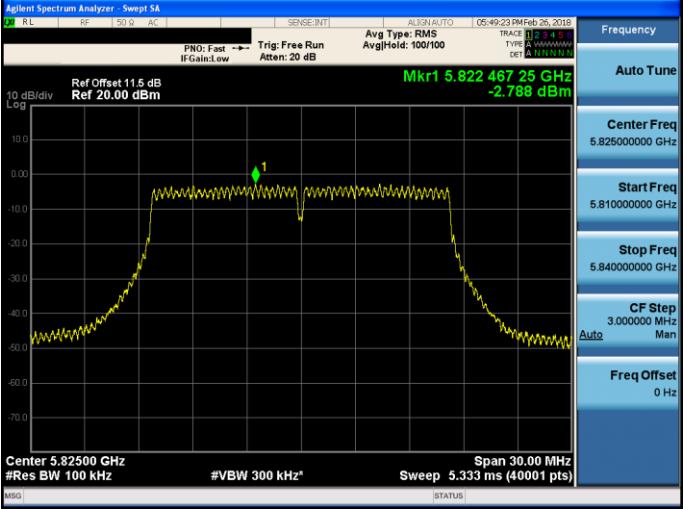






Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
<p>5180 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency: 5.18000000 GHz</p> <p>Center Freq: 5.18000000 GHz</p> <p>Start Freq: 5.16000000 GHz</p> <p>Stop Freq: 5.20000000 GHz</p> <p>CF Step: 4.000000 MHz</p> <p>Freq Offset: 0 Hz</p> <p>Mkr1 5.176 393 GHz 6.043 dBm</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts)</p>
<p>5200 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency: 5.20000000 GHz</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 5.197 220 GHz 6.131 dBm</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts)</p>
<p>5240 MHz</p>	<p>Agilent Spectrum Analyzer: Swept SA</p> <p>Frequency: 5.24000000 GHz</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 5.237 507 GHz 6.207 dBm</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>Center 5.24000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 2.667 ms (40001 pts)</p>



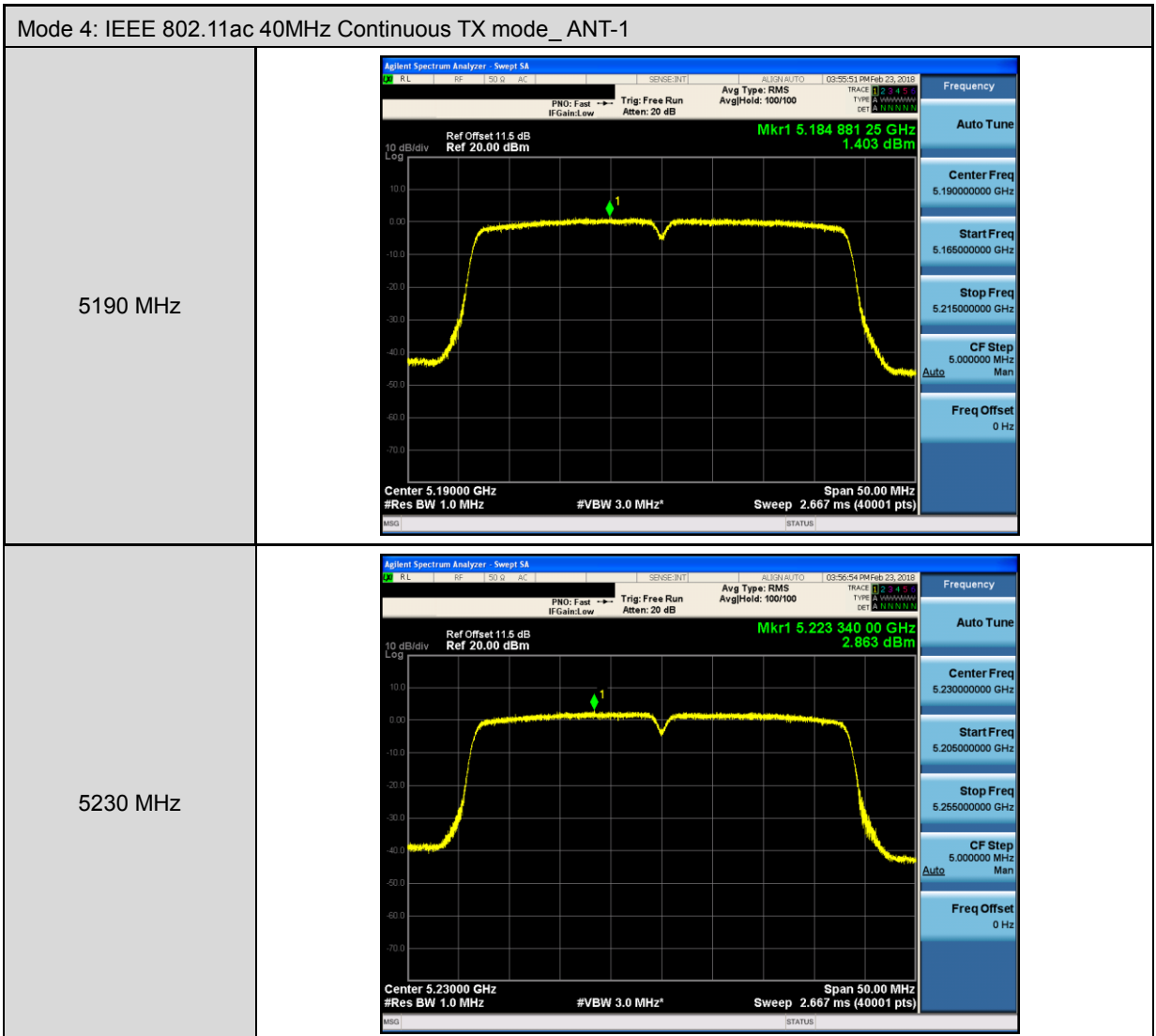
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1	
5745 MHz	 <p>Agilent Spectrum Analyzer: Swept SA RL 50 Hz AC SENSE INT ALIGN AUTO 09:37:40 PM Feb 26, 2018 PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dB Mkr1 5.747 733 00 GHz -3.110 dBm 10 dB/div Log Center 5.74500 GHz Span 30.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts)</p>
5785 MHz	 <p>Agilent Spectrum Analyzer: Swept SA RL 50 Hz AC SENSE INT ALIGN AUTO 09:40:18 PM Feb 26, 2018 PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dB Mkr1 5.784 308 50 GHz -3.042 dBm 10 dB/div Log Center 5.78500 GHz Span 30.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts)</p>
5825 MHz	 <p>Agilent Spectrum Analyzer: Swept SA RL 50 Hz AC SENSE INT ALIGN AUTO 09:49:23 PM Feb 26, 2018 PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dB Mkr1 5.822 467 25 GHz -2.798 dBm 10 dB/div Log Center 5.82500 GHz Span 30.00 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts)</p>

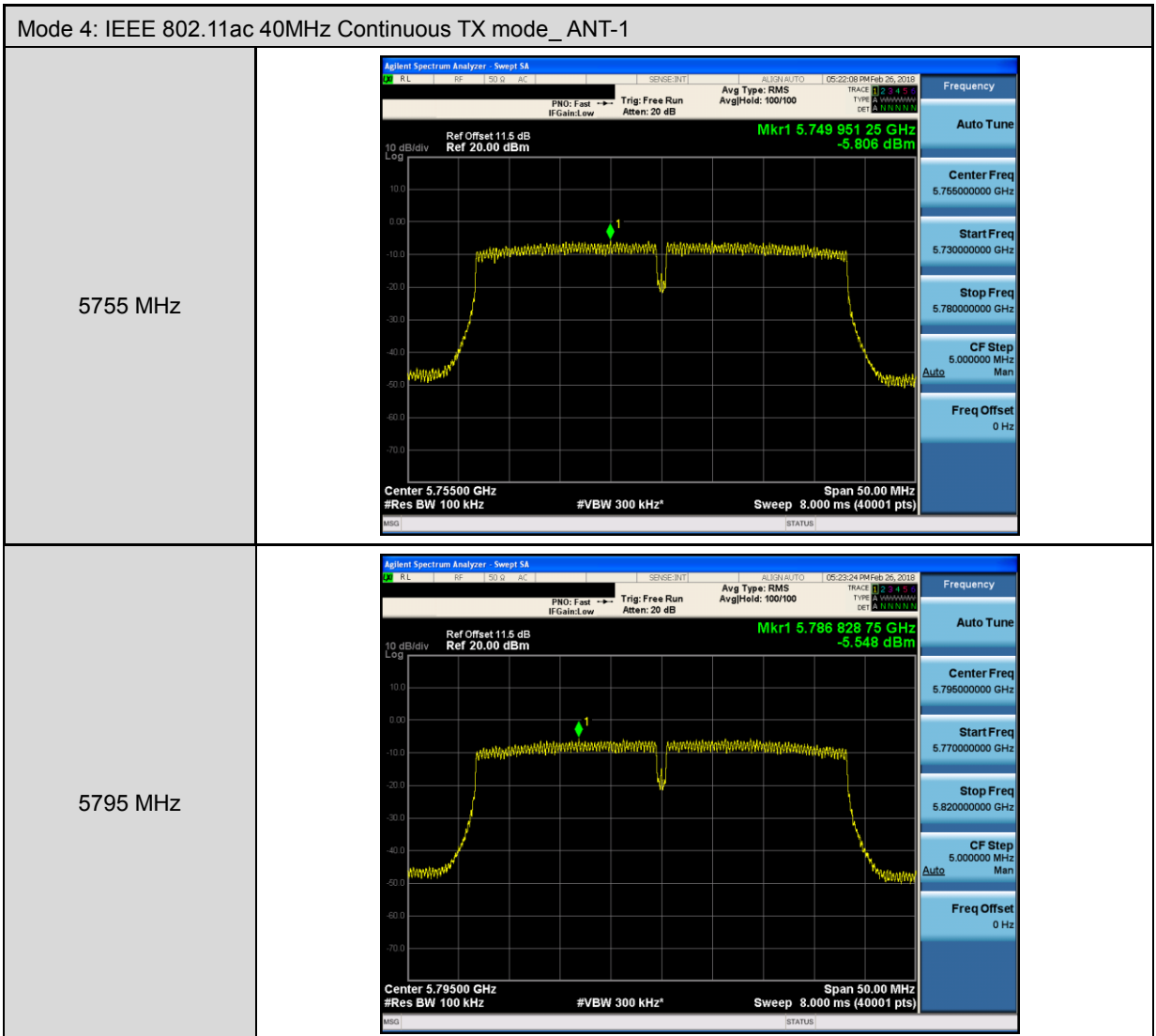


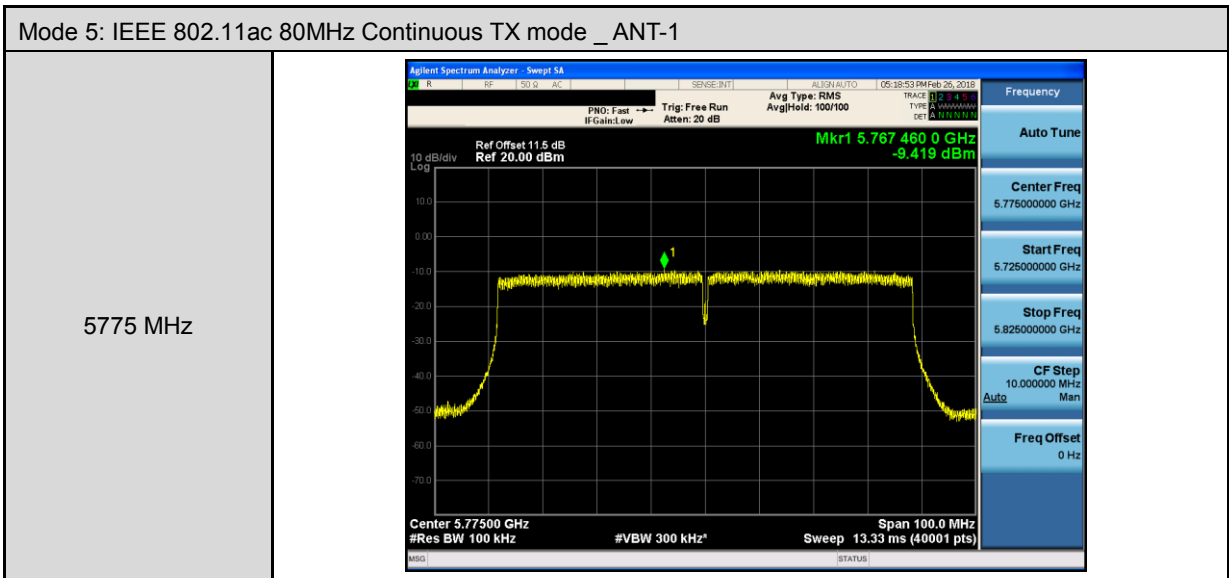
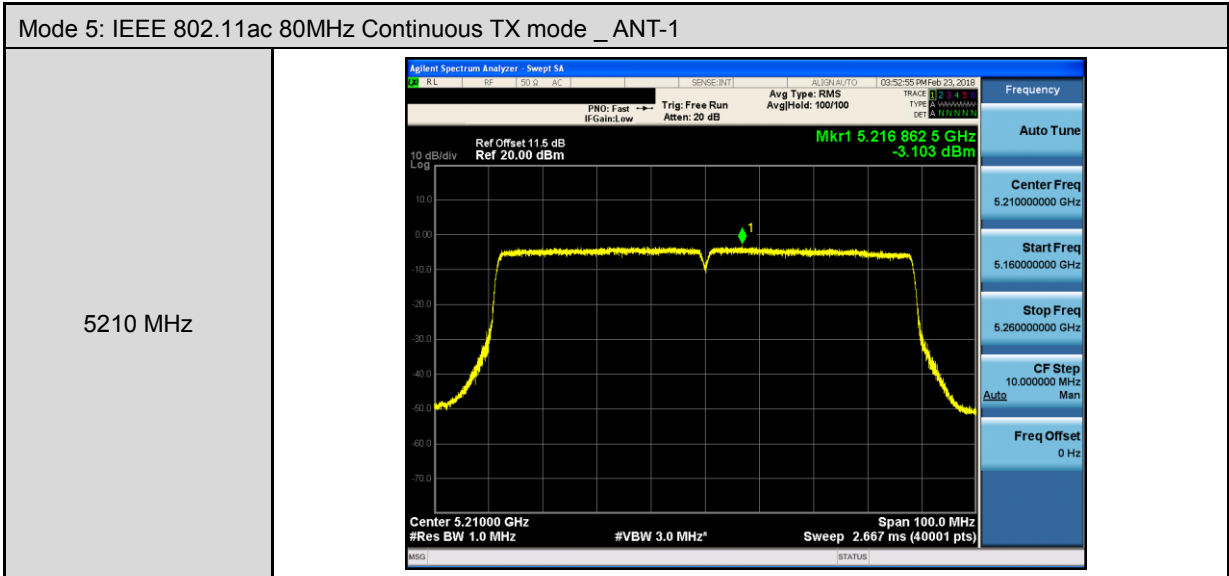
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-1	
5180 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.185 646 GHz 6.128 dBm Center 5.18000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts)</p>
5200 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.202 809 GHz 6.272 dBm Center 5.20000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 40.00 MHz Sweep 2.667 ms (40001 pts)</p>
5240 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.241 750 GHz 5.495 dBm 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-1	
5745 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.749 653 75 GHz -4.185 dBm Center 5.74500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Frequency: Auto Tune, Center Freq 5.74500000 GHz, Start Freq 5.730000000 GHz, Stop Freq 5.760000000 GHz, CF Step 3.000000 MHz, Freq Offset 0 Hz</p>
5785 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.788 711 75 GHz -3.240 dBm Center 5.78500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Frequency: Auto Tune, Center Freq 5.78500000 GHz, Start Freq 5.770000000 GHz, Stop Freq 5.800000000 GHz, CF Step 3.000000 MHz, Freq Offset 0 Hz</p>
5825 MHz	<p>Agilent Spectrum Analyzer: Swept SA PNO: Fast Trig: Free Run Avg Type: RMS IF Gain: Low Atten: 20 dB Avg Hold: 100/100 Ref Offset 11.5 dB Ref 20.00 dBm Mkr1 5.821 196 00 GHz -3.276 dBm Center 5.82500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.333 ms (40001 pts) Span 30.00 MHz Frequency: Auto Tune, Center Freq 5.82500000 GHz, Start Freq 5.810000000 GHz, Stop Freq 5.840000000 GHz, CF Step 3.000000 MHz, Freq Offset 0 Hz</p>









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	5199.9743	-25700	-4.942	Pass
	10		5199.9768	-23200	-4.462	Pass
	20		5199.9772	-22800	-4.385	Pass
	30		5199.9777	-22300	-4.288	Pass
	40		5199.9782	-21800	-4.192	Pass
	50		5199.9786	-21400	-4.115	Pass
5785 MHz	0	120	5784.9558	-44200	-7.640	Pass
	10		5784.9563	-43700	-7.554	Pass
	20		5784.9568	-43200	-7.468	Pass
	30		5784.9575	-42500	-7.347	Pass
	40		5784.9578	-42200	-7.295	Pass
	50		5784.9584	-41600	-7.191	Pass

Voltage Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	138.00	5199.977	-23000	-4.423	Pass
		120.00	5199.9772	-22800	-4.385	Pass
		102.00	5199.9777	-22300	-4.288	Pass
5785 MHz	20	138.00	5784.9567	-43300	-7.485	Pass
		120.00	5784.9568	-43200	-7.468	Pass
		102.00	5784.9572	-42800	-7.398	Pass

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



Beamforming on

Temperature Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	0	120	5199.9743	-25700	-4.942	Pass
	10		5199.9768	-23200	-4.462	Pass
	20		5199.9772	-22800	-4.385	Pass
	30		5199.9777	-22300	-4.288	Pass
	40		5199.9782	-21800	-4.192	Pass
	50		5199.9786	-21400	-4.115	Pass
5785 MHz	0	120	5784.9558	-44200	-7.640	Pass
	10		5784.9563	-43700	-7.554	Pass
	20		5784.9568	-43200	-7.468	Pass
	30		5784.9575	-42500	-7.347	Pass
	40		5784.9578	-42200	-7.295	Pass
	50		5784.9584	-41600	-7.191	Pass

Voltage Variations

Frequency	Temp. (°C)	Voltage (Vac)	Measured Freq. (MHz)	Delta Freq. (Hz)	Tolerance (ppm)	Result (Pass/Fail)
5200 MHz	20	138.00	5199.977	-23000	-4.423	Pass
		120.00	5199.9772	-22800	-4.385	Pass
		102.00	5199.9777	-22300	-4.288	Pass
5785 MHz	20	138.00	5784.9567	-43300	-7.485	Pass
		120.00	5784.9568	-43200	-7.468	Pass
		102.00	5784.9572	-42800	-7.398	Pass

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



5.8. Automatically discontinue transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

5.9. Antenna Requirement

■ **Antenna Connector Construction**

See section 2 – antenna information.

■ **Directional Gain Calculated**

$$\text{Directional Gain} = 10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / NANT\}$$

Operate Freq. Band		Directional Gain (dBi)
IEEE 802.11a	U-NII Band I	7.02
	U-NII Band III	7.16
IEEE 802.11ac 20MHz	U-NII Band I	7.02
	U-NII Band III	7.16
IEEE 802.11ac 40MHz	U-NII Band I	7.02
	U-NII Band III	7.16
IEEE 802.11ac 80MHz	U-NII Band I	7.02
	U-NII Band III	7.16