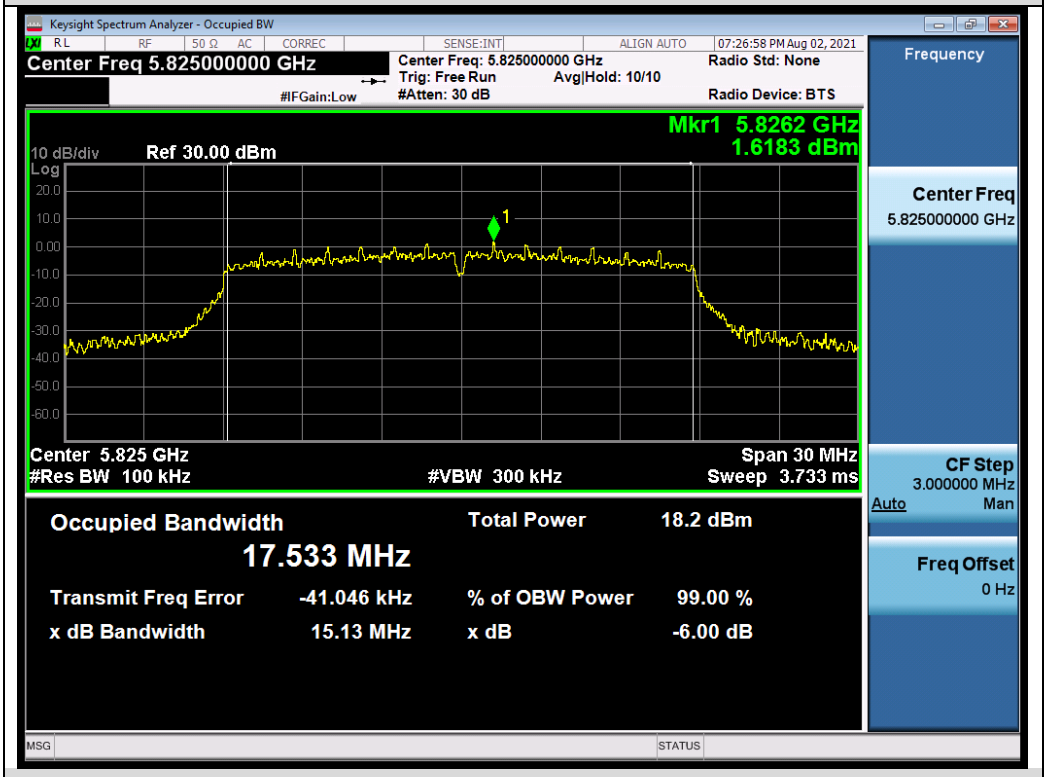
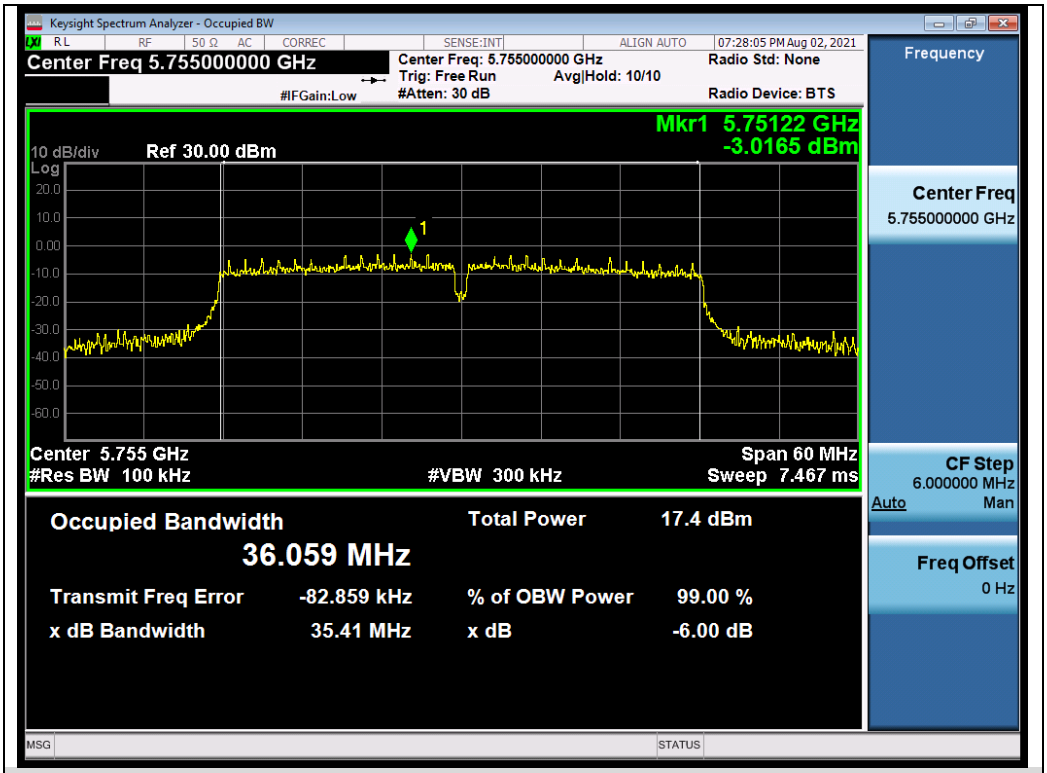
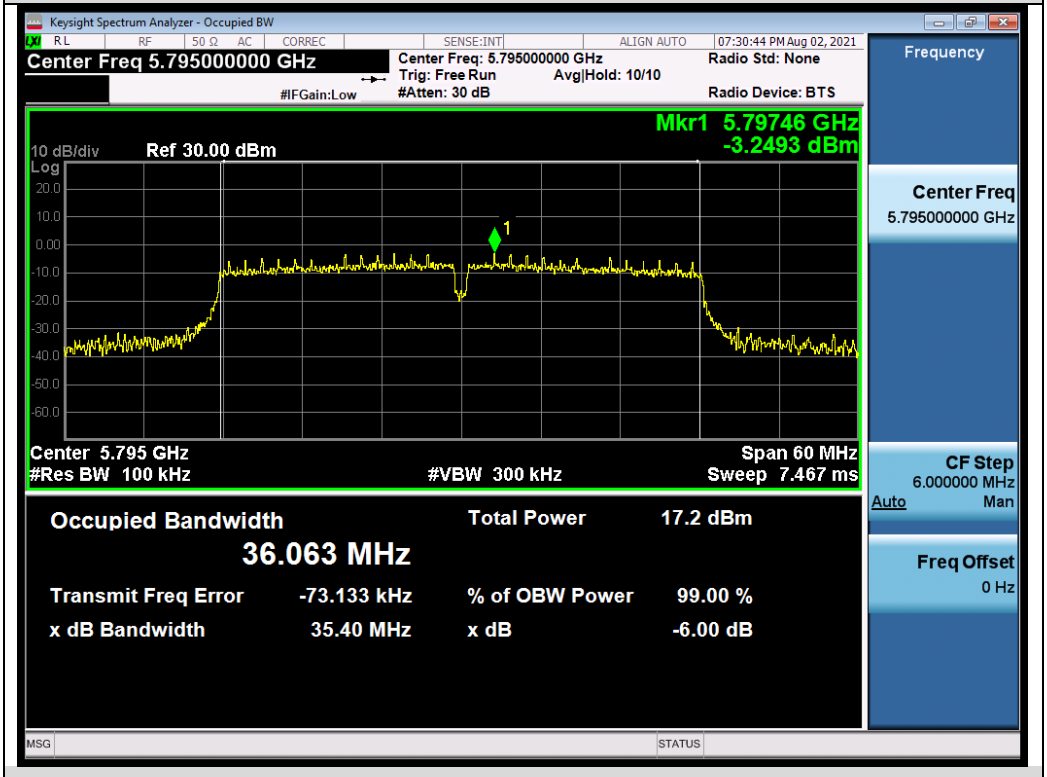
Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW



Test_Graph_802.11n20_ANT1_5825_MCS0_DTSBW

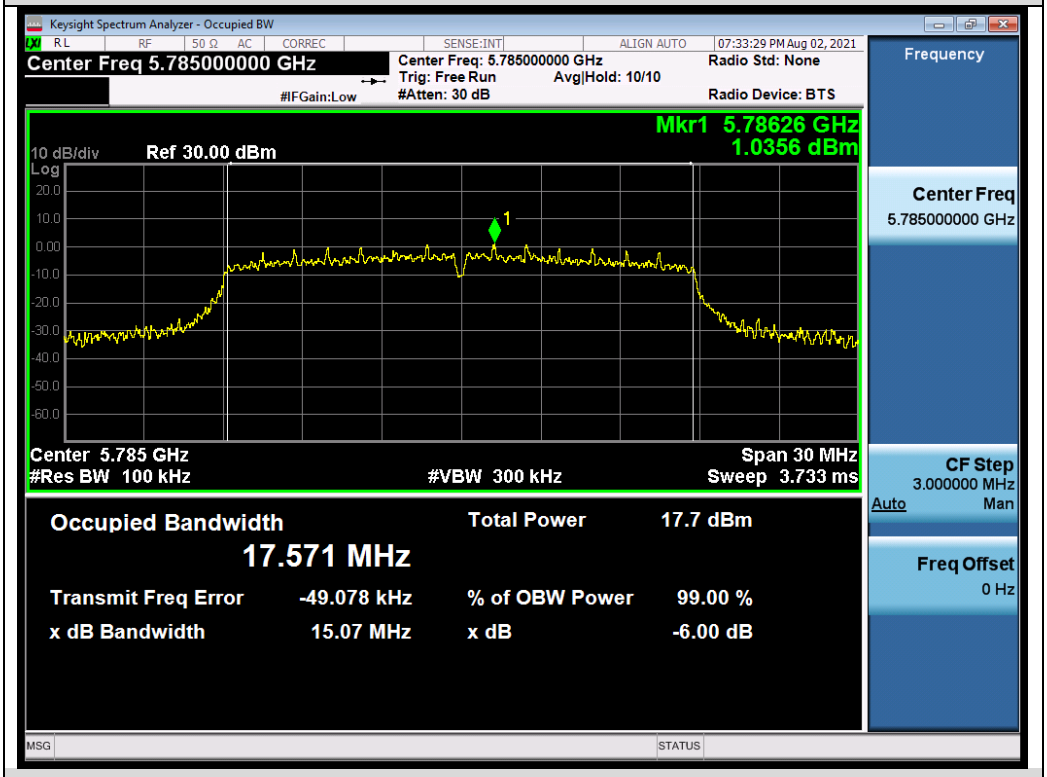


Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW

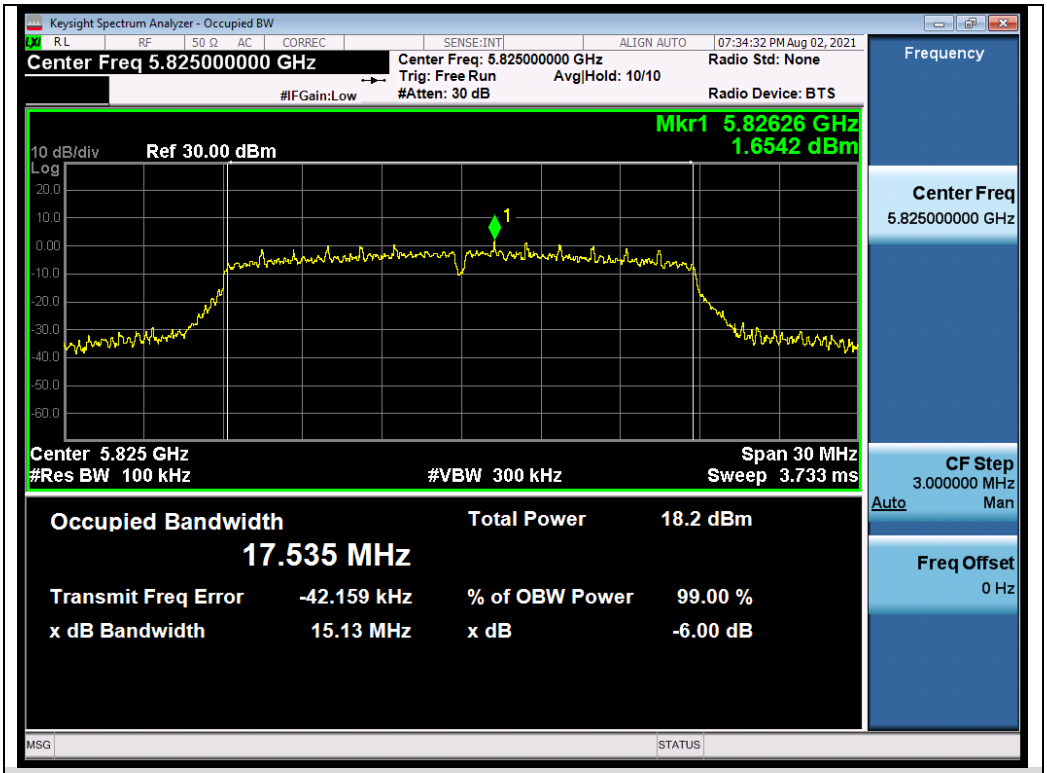


Test_Graph_802.11n40_ANT1_5795_MCS0_DTSBW

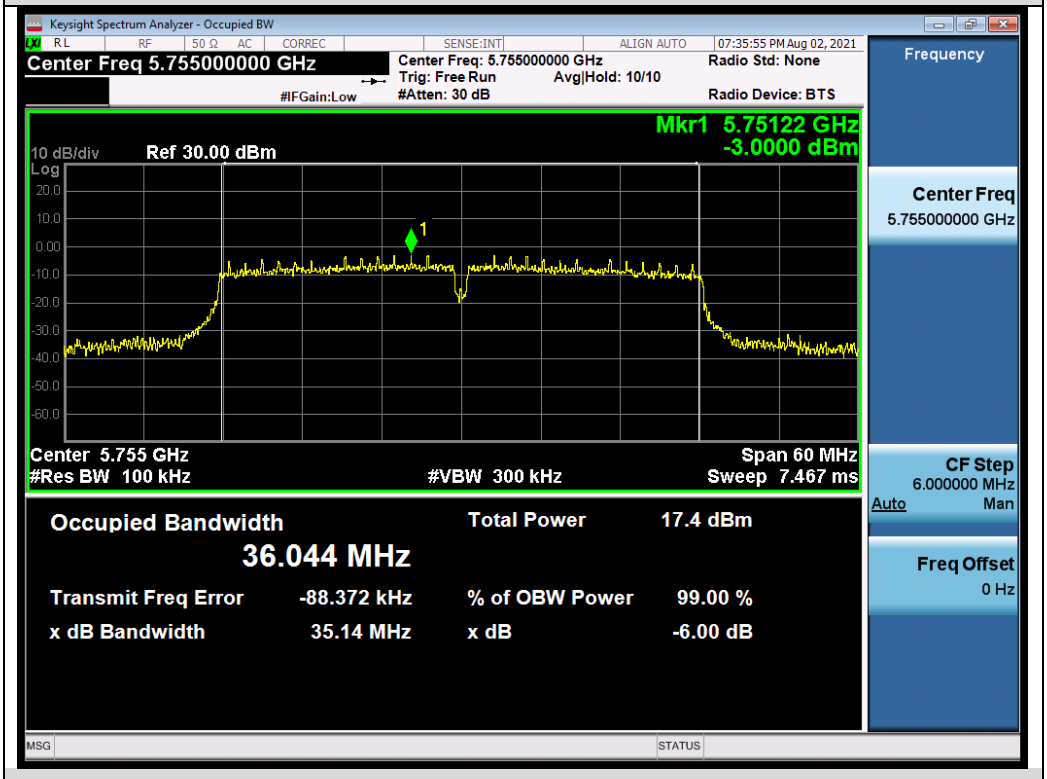
Test_Graph_802.11ac20_ANT1_5745_MCS0_DTSBW



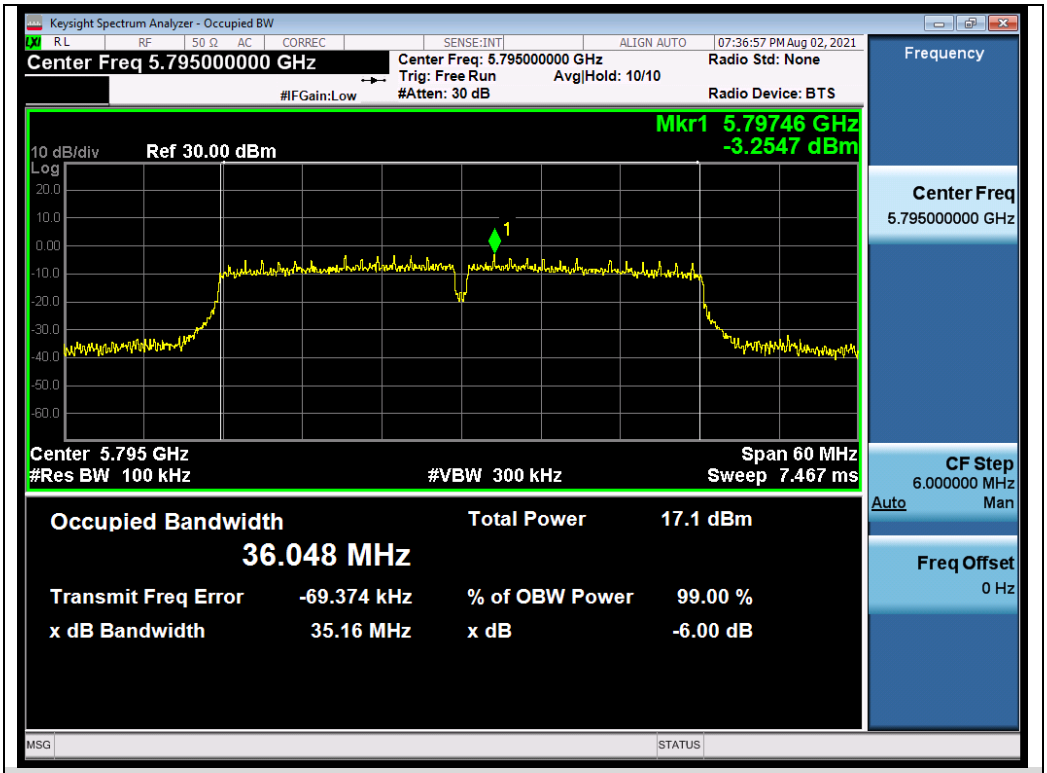
Test_Graph_802.11ac20_ANT1_5785_MCS0_DTSBW



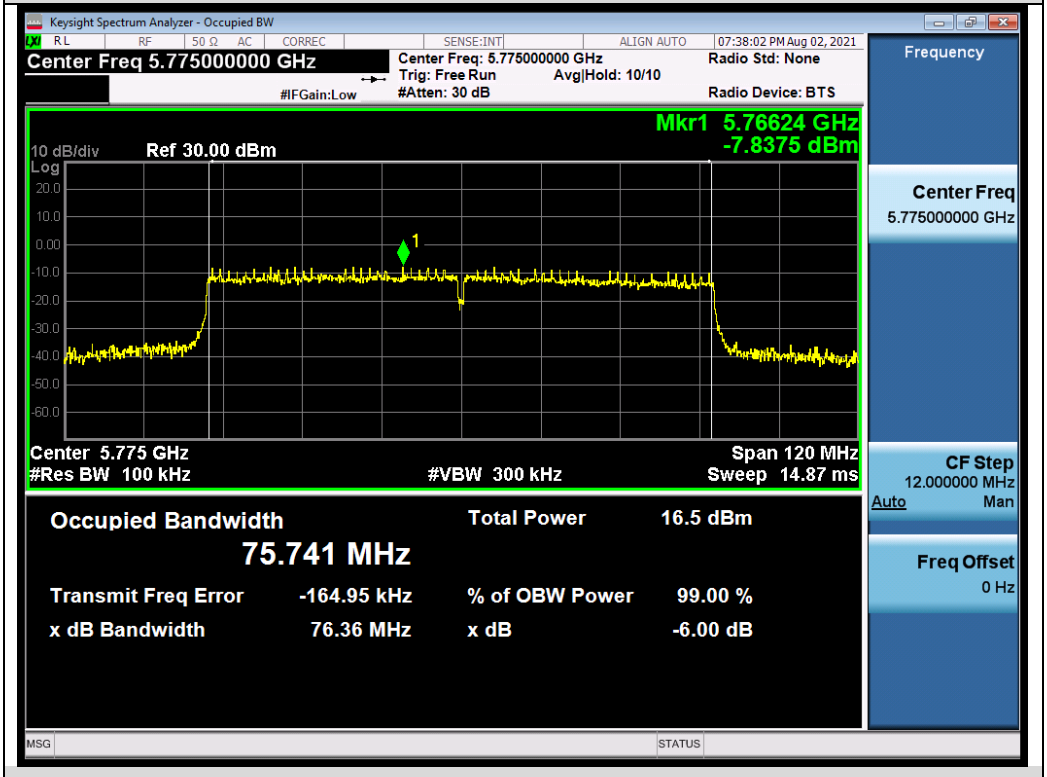
Test_Graph_802.11ac20_ANT1_5825_MCS9_DTSBW



Test_Graph_802.11ac40_ANT1_5755_MCS9_DTSBW

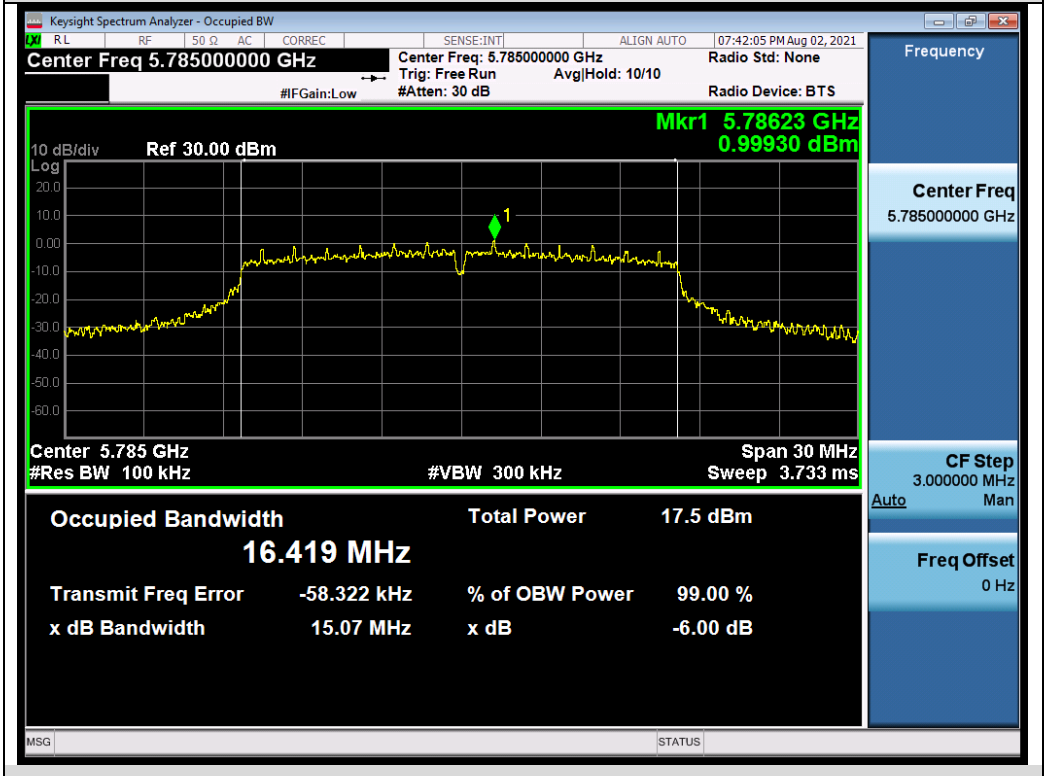


Test_Graph_802.11ac40_ANT1_5795_MCS9_DTSBW

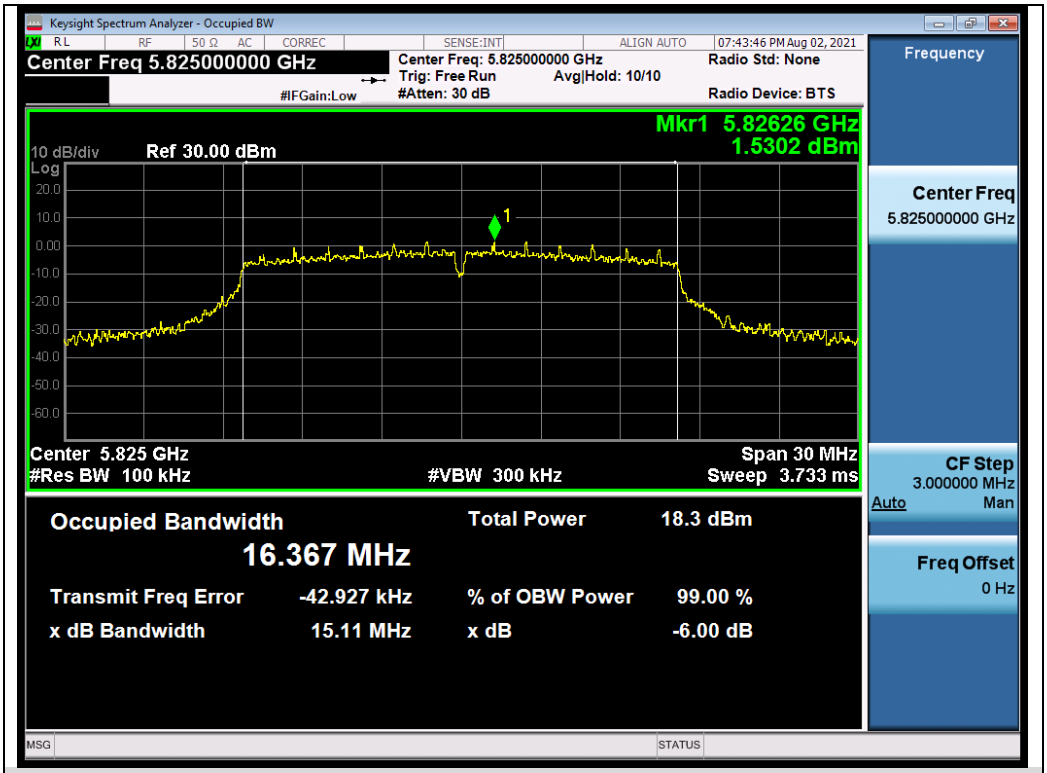


Test_Graph_802.11ac80_ANT1_5775_MCS9_DTSBW

Test_Graph_802.11a_ANT2_5745_6Mbps_DTSBW

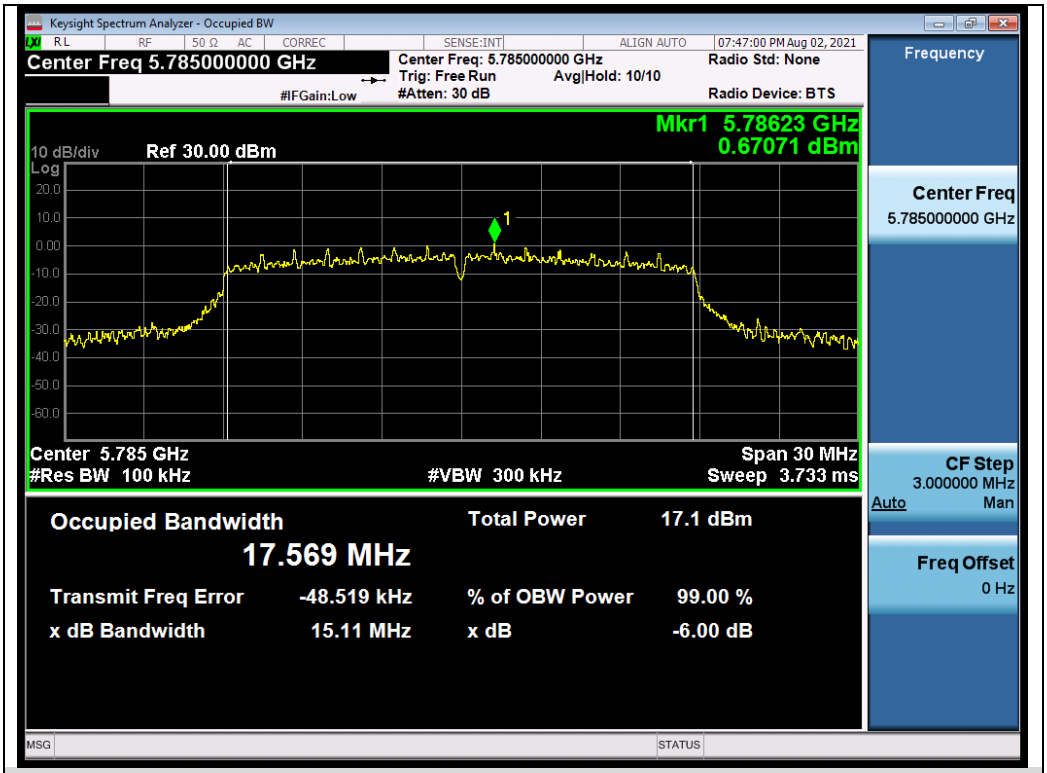


Test_Graph_802.11a_ANT2_5785_6Mbps_DTSBW



Test_Graph_802.11a_ANT2_5825_6Mbps_DTSBW

Test_Graph_802.11n20_ANT2_5745_MCS0_DTSBW



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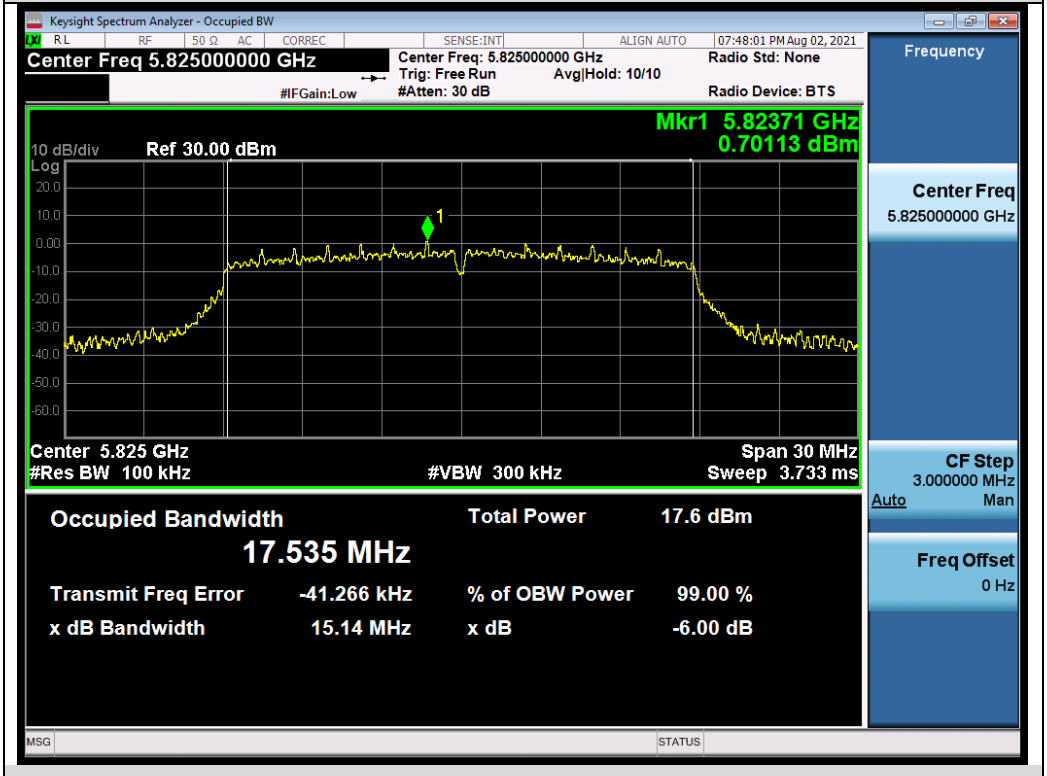

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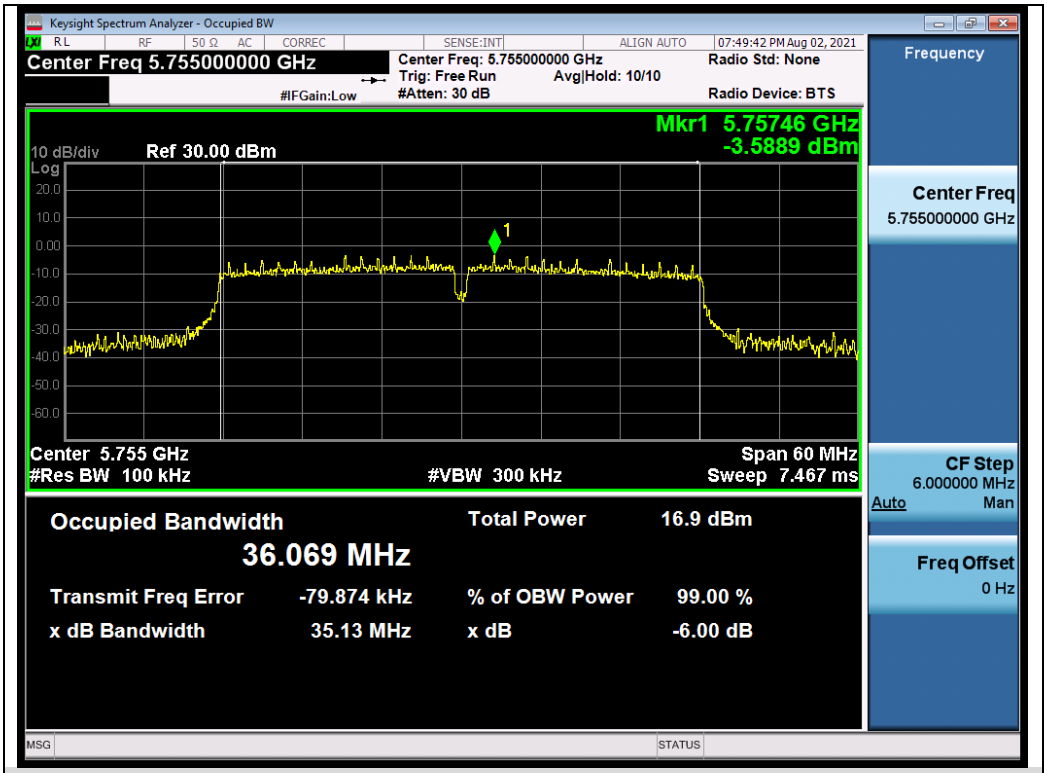

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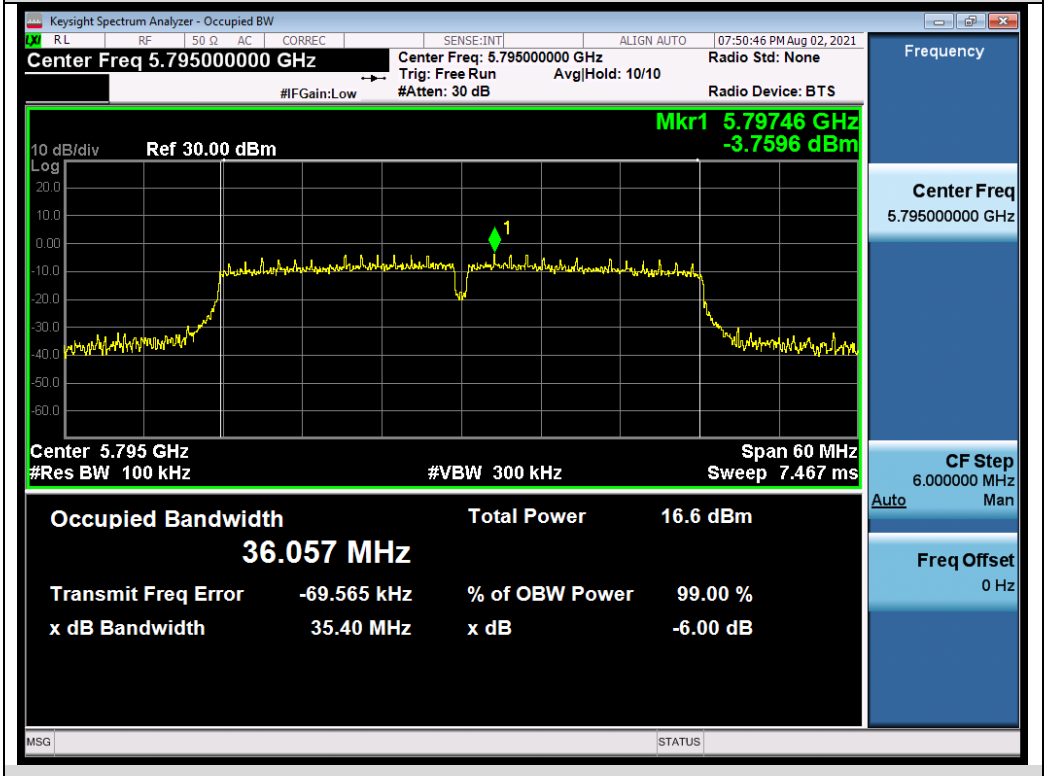
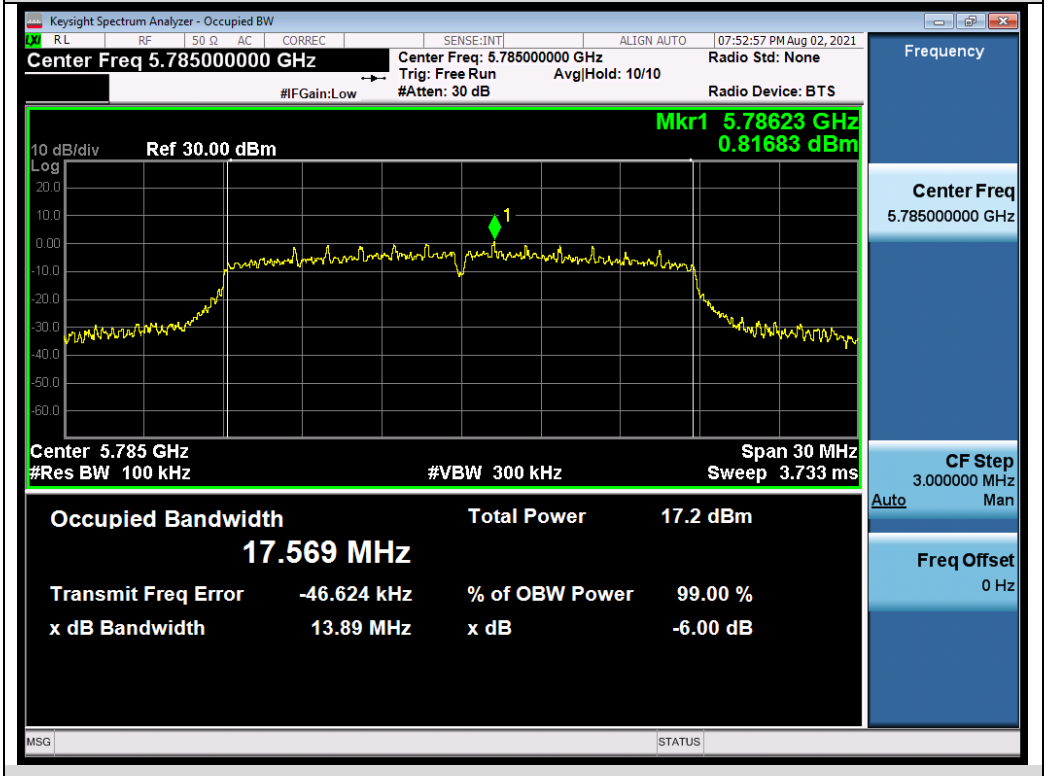
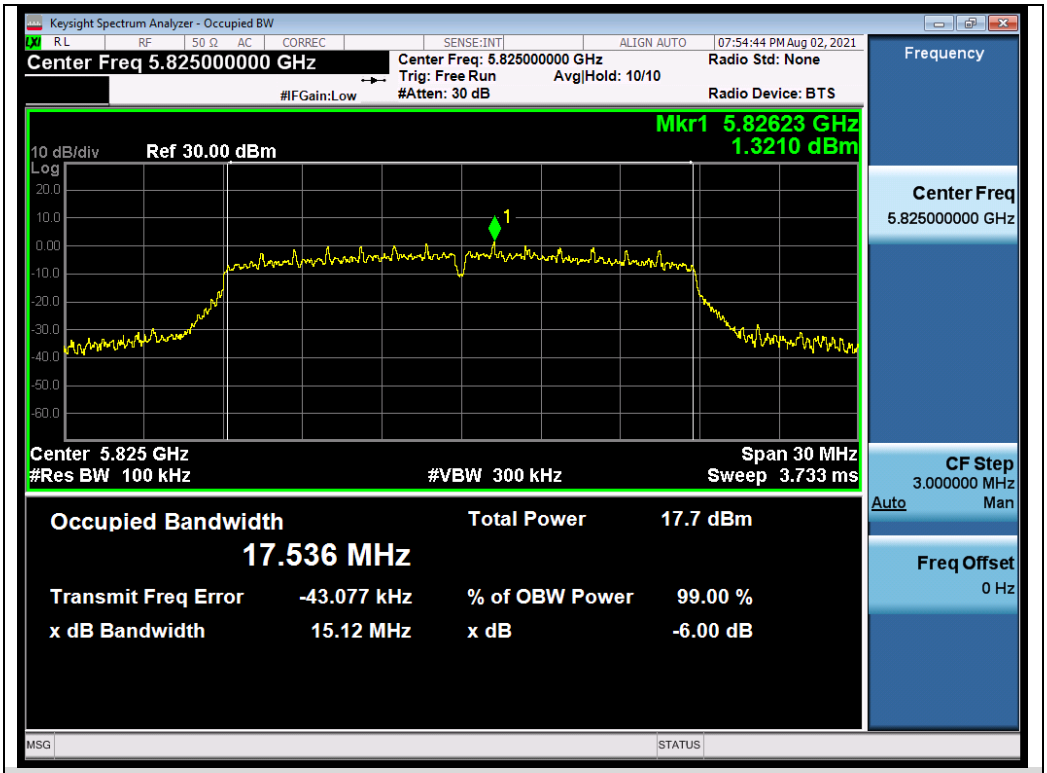


Test_Graph_802.11n40_ANT2_5795_MCS0_DTSBW

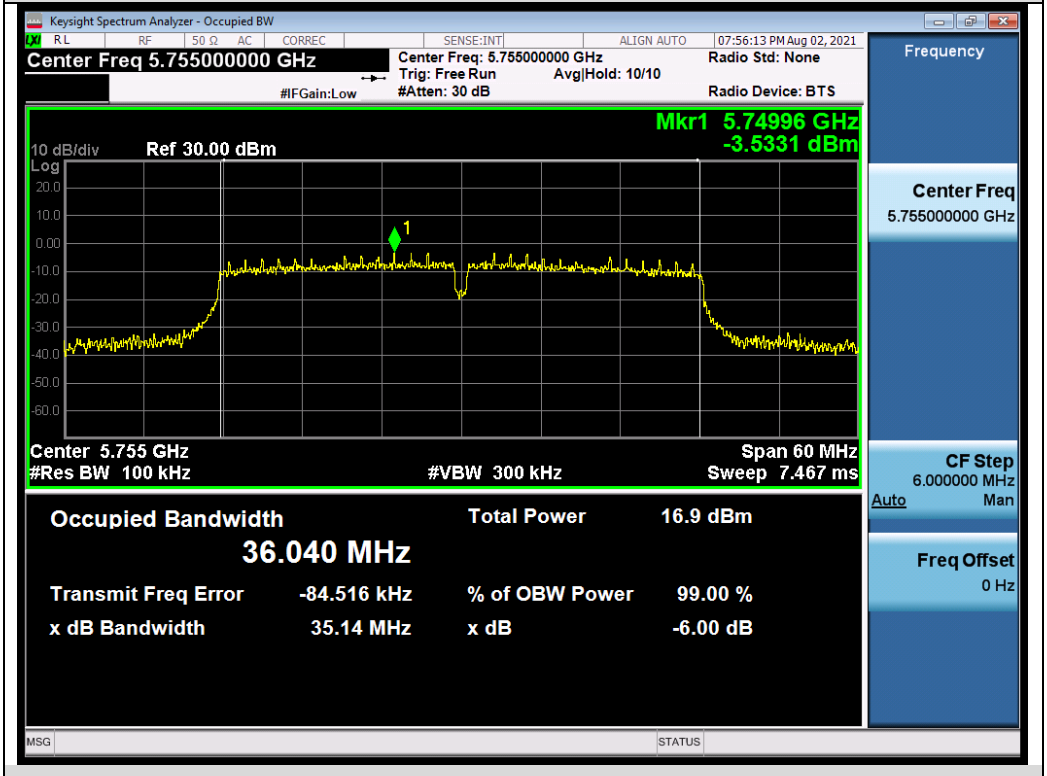
Test_Graph_802.11ac20_ANT2_5745_MCS0_DTSBW



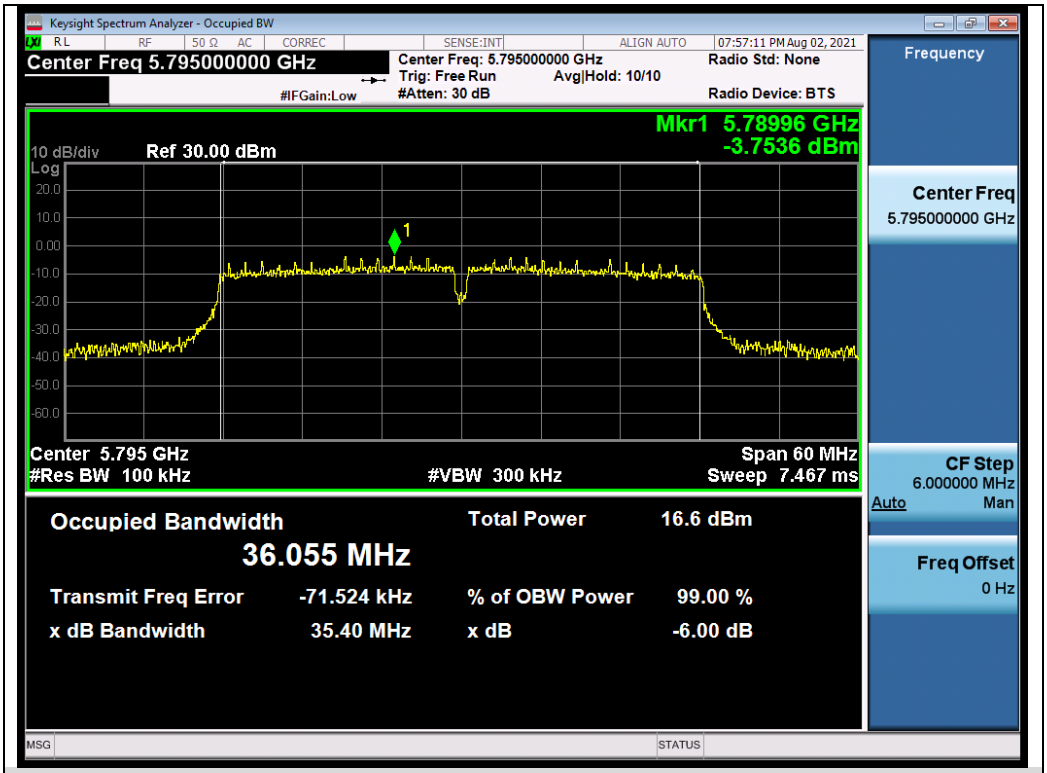
Test_Graph_802.11ac20_ANT2_5785_MCS0_DTSBW



Test_Graph_802.11ac20_ANT2_5825_MCS9_DTSBW



Test_Graph_802.11ac40_ANT2_5755_MCS9_DTSBW



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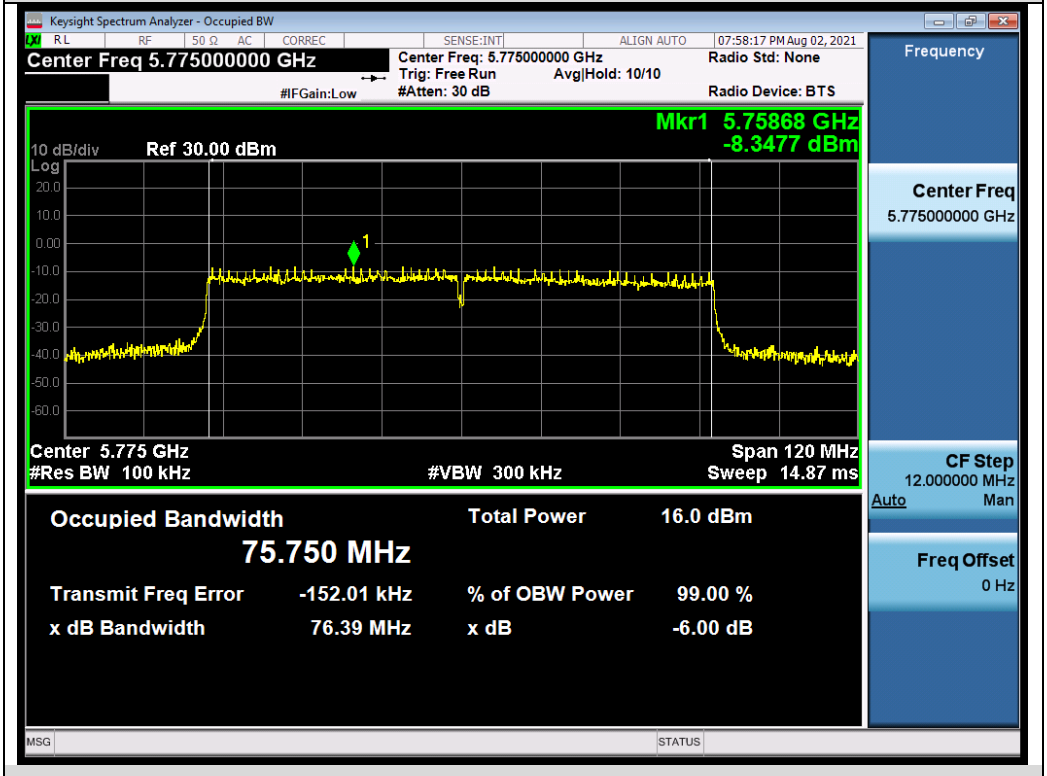


Test_Graph_802.11ac80_ANT2_5775_MCS9_DTSBW

9. MAXIMUM CONDUCTED OUTPUT AVERAGE POWER SPECTRAL DENSITY

9.1. MEASUREMENT PROCEDURE

Refer to KDB 789033 section F

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

9.3. MEASUREMENT EQUIPMENT USED

Refer to Section 6.

9.4. LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	3.557	11	Pass
	5200	3.597	11	Pass
	5240	3.618	11	Pass
802.11n20	5180	2.264	11	Pass
	5200	2.468	11	Pass
	5240	2.709	11	Pass
802.11n40	5190	-1.041	11	Pass
	5230	-0.935	11	Pass
802.11ac20	5180	2.304	11	Pass
	5200	2.434	11	Pass
	5240	2.643	11	Pass
802.11ac40	5190	-1.136	11	Pass
	5230	-1.272	11	Pass
802.11ac80	5210	-4.492	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	3.529	11	Pass
	5200	3.421	11	Pass
	5240	3.589	11	Pass
802.11n20	5180	1.717	11	Pass
	5200	1.885	11	Pass
	5240	2.241	11	Pass
802.11n40	5190	-1.594	11	Pass
	5230	-1.783	11	Pass
802.11ac20	5180	1.855	11	Pass
	5200	2.017	11	Pass
	5240	2.357	11	Pass
802.11ac40	5190	-1.635	11	Pass
	5230	-1.546	11	Pass
802.11ac80	5210	-5.566	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5180	5.009	10.66	Pass
	5200	5.197	10.66	Pass
	5240	5.492	10.66	Pass
802.11n40	5190	1.702	10.66	Pass
	5230	1.672	10.66	Pass
802.11ac20	5180	5.096	10.66	Pass
	5200	5.241	10.66	Pass
	5240	5.513	10.66	Pass
802.11ac40	5190	1.632	10.66	Pass
	5230	1.603	10.66	Pass
802.11ac80	5210	-1.986	10.66	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	3.073	11	Pass
	5300	2.311	11	Pass
	5320	1.993	11	Pass
802.11n20	5260	2.656	11	Pass
	5300	2.150	11	Pass
	5320	1.652	11	Pass
802.11n40	5270	0.209	11	Pass
	5310	-1.284	11	Pass
802.11ac20	5260	3.490	11	Pass
	5300	2.553	11	Pass
	5320	1.641	11	Pass
802.11ac40	5270	-0.131	11	Pass
	5310	-1.374	11	Pass
802.11ac80	5290	-3.029	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	3.394	11	Pass
	5300	2.340	11	Pass
	5320	2.449	11	Pass
802.11n20	5260	3.026	11	Pass
	5300	2.274	11	Pass
	5320	1.966	11	Pass
802.11n40	5270	-0.321	11	Pass
	5310	-1.524	11	Pass
802.11ac20	5260	3.874	11	Pass
	5300	2.750	11	Pass
	5320	2.096	11	Pass
802.11ac40	5270	-0.298	11	Pass
	5310	-1.718	11	Pass
802.11ac80	5290	-2.821	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5260	5.855	10.66	Pass
	5300	5.223	10.66	Pass
	5320	4.822	10.66	Pass
802.11n40	5270	2.962	10.66	Pass
	5310	1.608	10.66	Pass
802.11ac20	5260	6.697	10.66	Pass
	5300	5.663	10.66	Pass
	5320	4.885	10.66	Pass
802.11ac40	5270	2.797	10.66	Pass
	5310	1.468	10.66	Pass
802.11ac80	5290	0.087	10.66	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	2.304	11	Pass
	5600	1.921	11	Pass
	5700	2.834	11	Pass
802.11n20	5500	2.975	11	Pass
	5600	2.833	11	Pass
	5700	2.761	11	Pass
802.11n40	5510	-0.875	11	Pass
	5590	-1.444	11	Pass
	5670	-0.507	11	Pass
802.11ac20	5500	3.103	11	Pass
	5600	1.988	11	Pass
	5700	3.174	11	Pass
802.11ac40	5510	-0.192	11	Pass
	5590	0.356	11	Pass
	5670	-0.184	11	Pass
802.11ac80	5530	-3.263	11	Pass
	5610	-4.236	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	2.872	11	Pass
	5600	2.704	11	Pass
	5700	2.978	11	Pass
802.11n20	5500	3.057	11	Pass
	5600	2.518	11	Pass
	5700	2.757	11	Pass
802.11n40	5510	-0.722	11	Pass
	5590	-0.313	11	Pass
	5670	-0.726	11	Pass
802.11ac20	5500	3.051	11	Pass
	5600	2.428	11	Pass
	5700	2.745	11	Pass
802.11ac40	5510	-0.719	11	Pass
	5590	-0.328	11	Pass
	5670	-0.589	11	Pass
802.11ac80	5530	-3.728	11	Pass
	5610	-3.587	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5500	6.026	10.66	Pass
	5600	5.689	10.66	Pass
	5700	5.769	10.66	Pass
802.11n40	5510	2.212	10.66	Pass
	5590	2.169	10.66	Pass
	5670	2.395	10.66	Pass
802.11ac20	5500	6.087	10.66	Pass
	5600	5.224	10.66	Pass
	5700	5.975	10.66	Pass
802.11ac40	5510	2.563	10.66	Pass
	5590	3.038	10.66	Pass
	5670	2.629	10.66	Pass
802.11ac80	5530	-0.479	10.66	Pass
	5610	-0.889	10.66	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 1					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-6.991	-0.001	30	Pass
	5785	-6.101	0.889	30	Pass
	5825	-5.586	1.404	30	Pass
802.11n20	5745	-7.232	-0.242	30	Pass
	5785	-7.136	-0.146	30	Pass
	5825	-6.542	0.448	30	Pass
802.11n40	5755	-9.964	-2.974	30	Pass
	5795	-10.575	-3.585	30	Pass
802.11ac20	5745	-6.523	0.467	30	Pass
	5785	-7.055	-0.065	30	Pass
	5825	-6.523	0.467	30	Pass
802.11ac40	5755	-10.412	-3.422	30	Pass
	5795	-10.531	-3.541	30	Pass
802.11ac80	5775	-13.270	-6.280	30	Pass

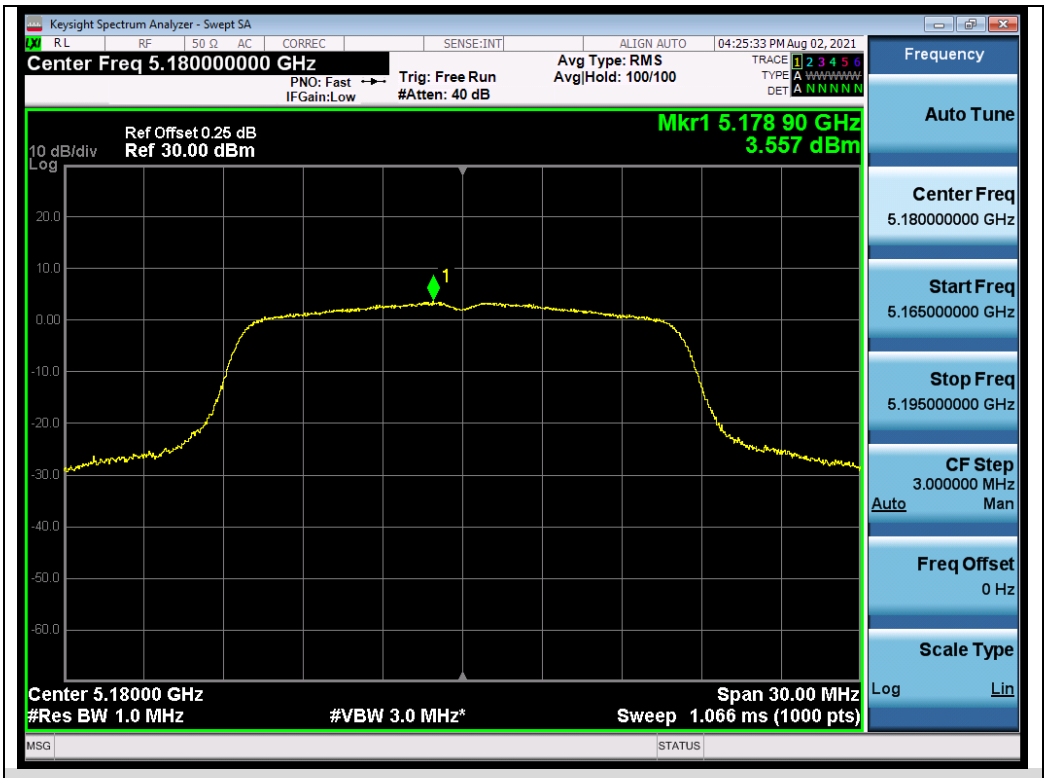
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-5.762	1.228	30	Pass
	5785	-6.733	0.257	30	Pass
	5825	-5.944	1.046	30	Pass
802.11n20	5745	-6.882	0.108	30	Pass
	5785	-7.480	-0.49	30	Pass
	5825	-7.001	-0.011	30	Pass
802.11n40	5755	-10.704	-3.714	30	Pass
	5795	-11.061	-4.071	30	Pass
802.11ac20	5745	-7.006	-0.016	30	Pass
	5785	-7.606	-0.616	30	Pass
	5825	-6.975	0.015	30	Pass
802.11ac40	5755	-10.799	-3.809	30	Pass
	5795	-11.026	-4.036	30	Pass
802.11ac80	5775	-13.800	-6.810	30	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 1+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11n20	5745	-4.043	2.947	29.66	Pass
	5785	-4.294	2.696	29.66	Pass
	5825	-3.755	3.235	29.66	Pass
802.11n40	5755	-7.308	-0.318	29.66	Pass
	5795	-7.801	-0.811	29.66	Pass
802.11ac20	5745	-3.747	3.243	29.66	Pass
	5785	-4.311	2.679	29.66	Pass
	5825	-3.733	3.257	29.66	Pass
802.11ac40	5755	-7.591	-0.601	29.66	Pass
	5795	-7.761	-0.771	29.66	Pass
802.11ac80	5775	-10.517	-3.527	29.66	Pass

Note:1. Power density(dBm/500kHz) = Power density(dBm/100kHz) +10*log(500/100).

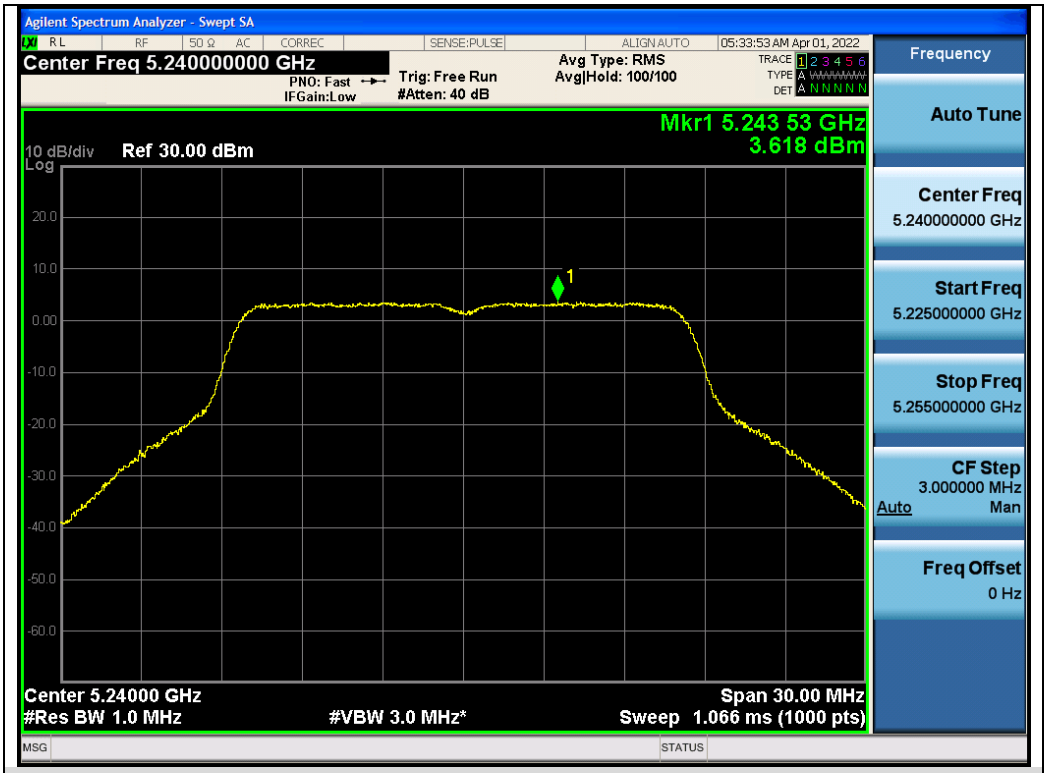
2.The Total PSD (dBm/500kHz) = $10*\log \{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$(dBm/500kHz)

Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz

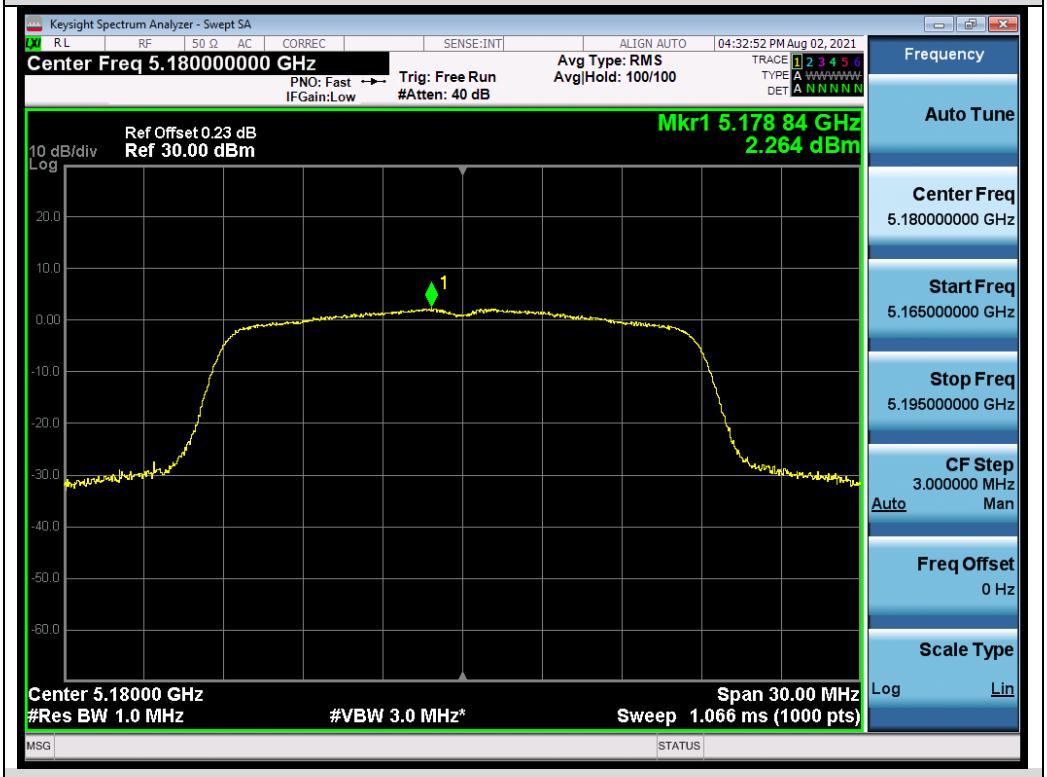


Test_Graph_802.11a_ANT1_5180_6Mbps_PSD

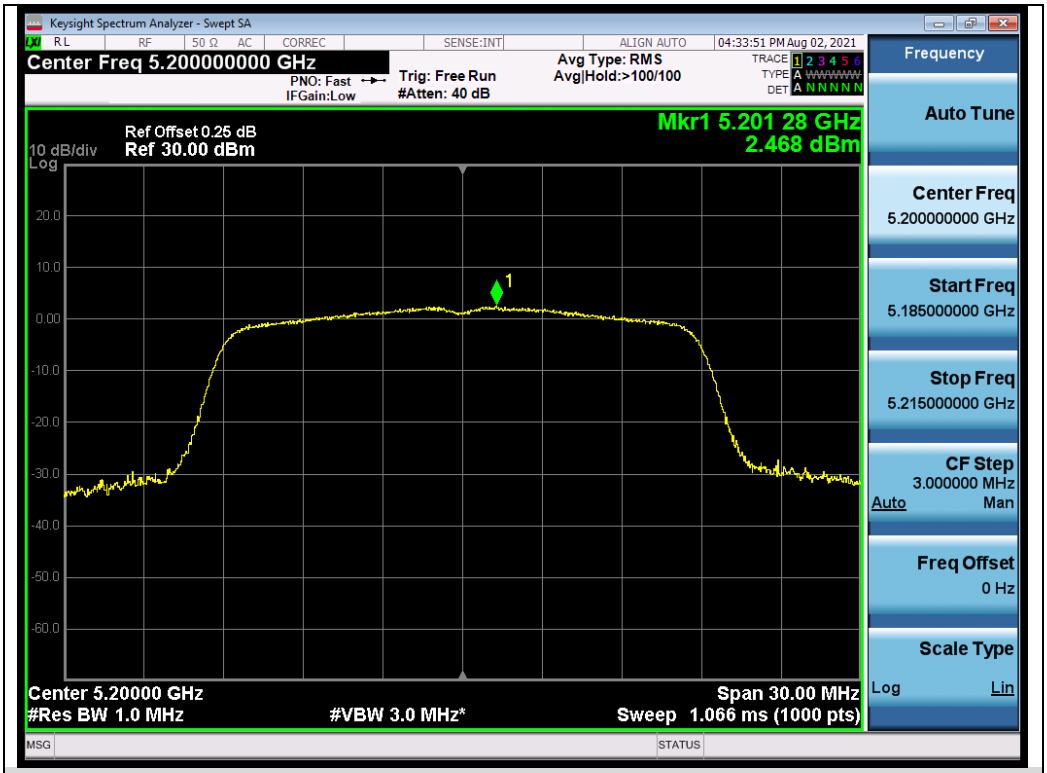
Test_Graph_802.11a_ANT1_5200_6Mbps_PSD



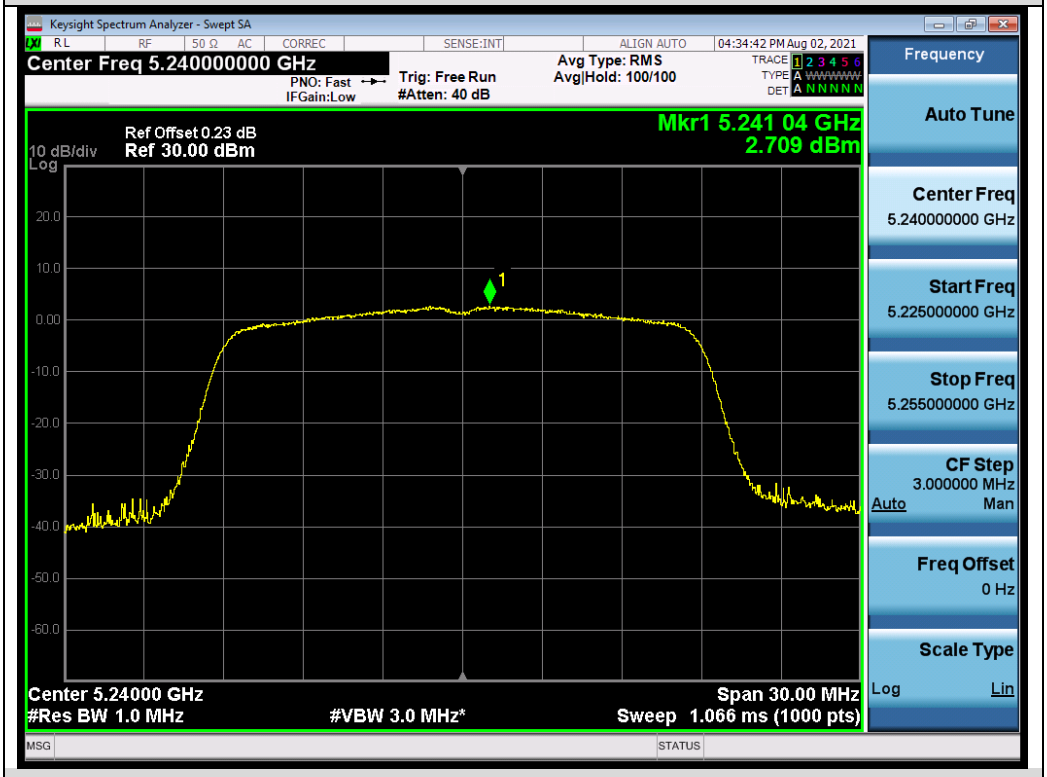
Test_Graph_802.11a_ANT1_5240_6Mbps_PSD



Test_Graph_802.11n20_ANT1_5180_MCS0_PSD



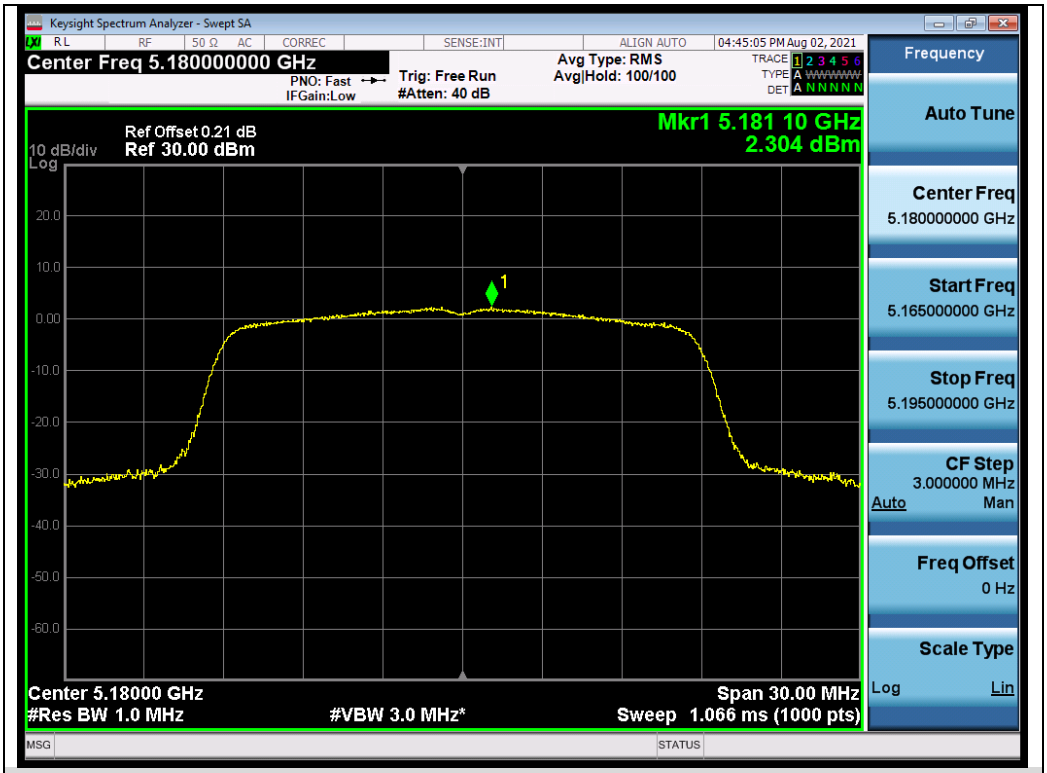
Test_Graph_802.11n20_ANT1_5200_MCS0_PSD



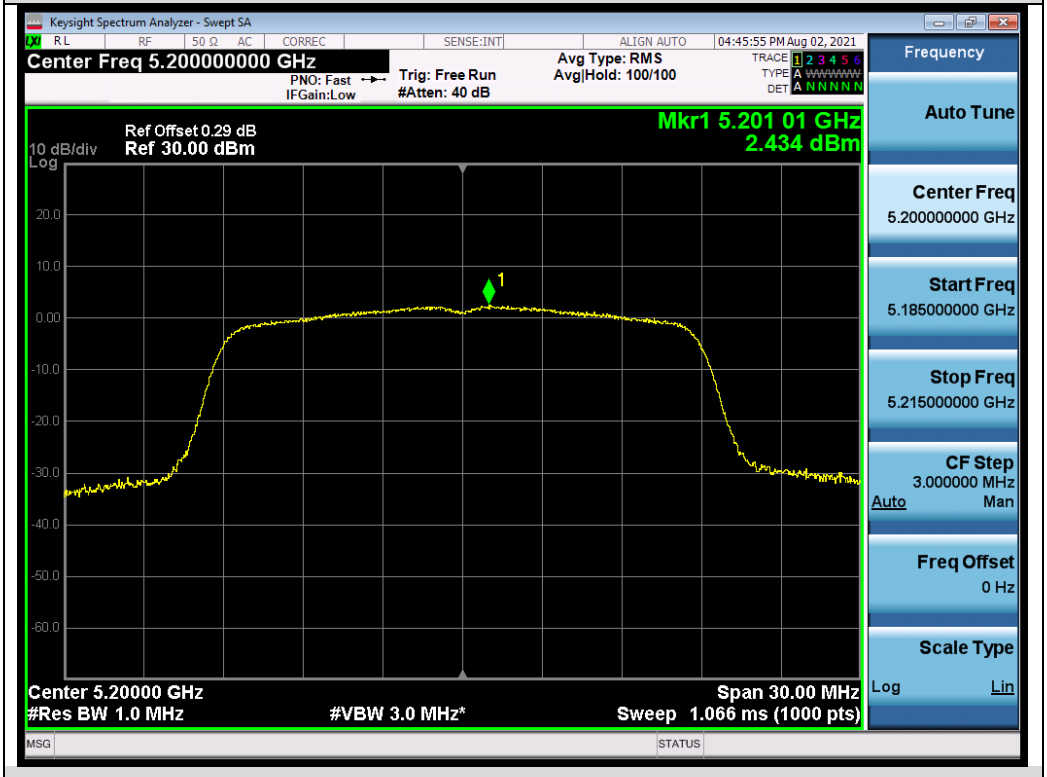
Test_Graph_802.11n20_ANT1_5240_MCS0_PSD

Test_Graph_802.11n40_ANT1_5190_MCS0_PSD

Test_Graph_802.11n40_ANT1_5230_MCS0_PSD

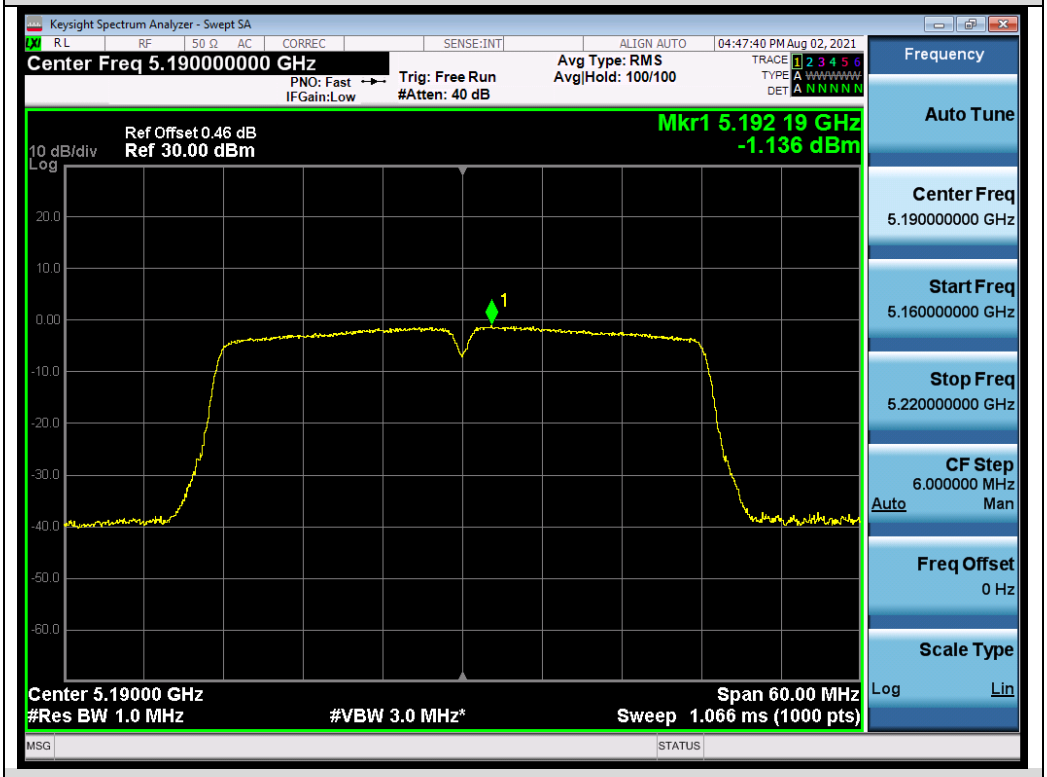


Test_Graph_802.11ac20_ANT1_5180_MCS0_PSD



Test_Graph_802.11ac20_ANT1_5200_MCS0_PSD

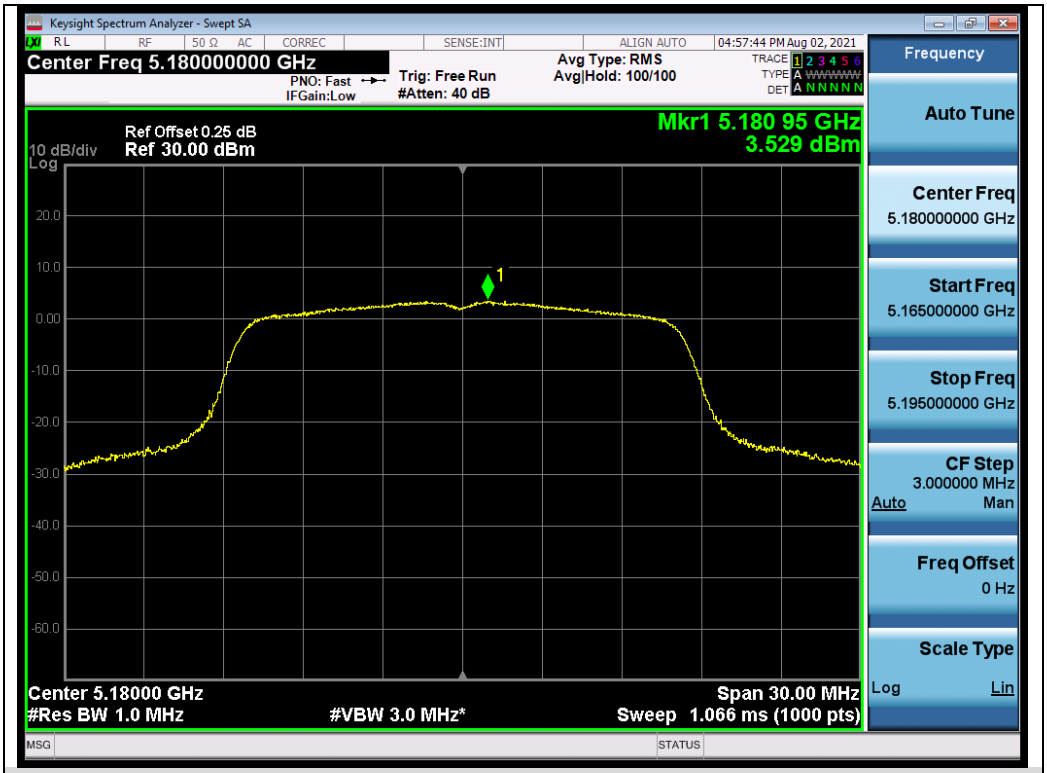
Test_Graph_802.11ac20_ANT1_5240_MCS9_PSD



Test_Graph_802.11ac40_ANT1_5190_MCS9_PSD

Test_Graph_802.11ac40_ANT1_5230_MCS9_PSD

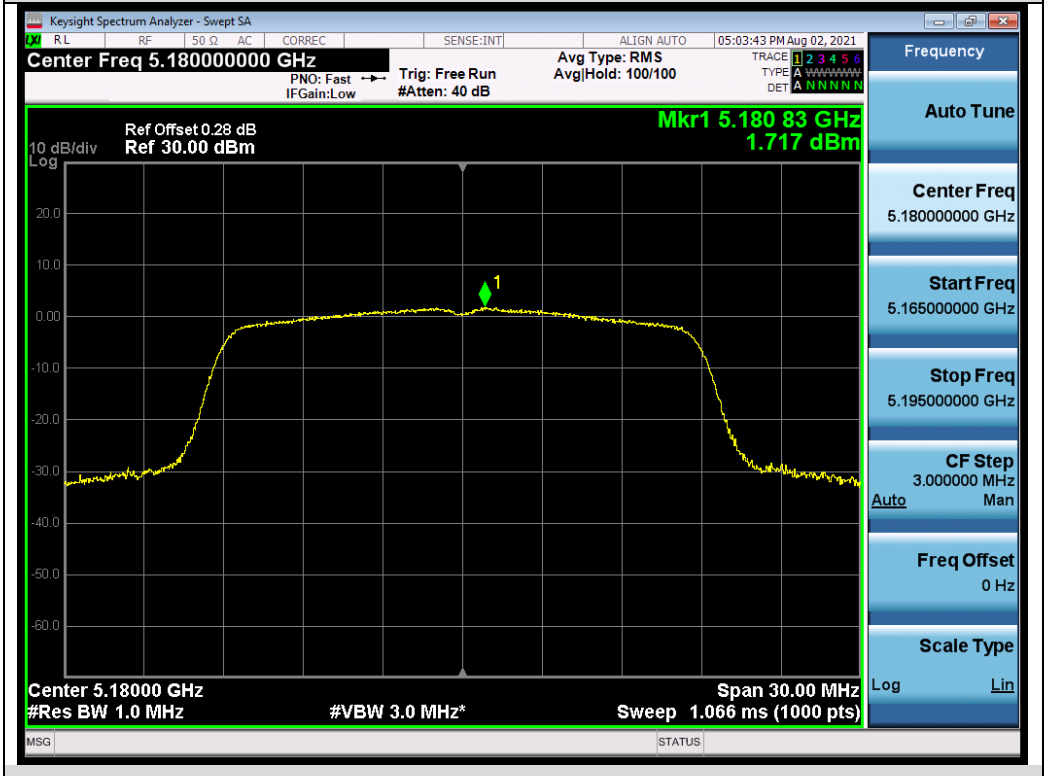
Test_Graph_802.11ac80_ANT1_5210_MCS9_PSD



Test_Graph_802.11a_ANT2_5180_6Mbps_PSD

Test_Graph_802.11a_ANT2_5200_6Mbps_PSD

Test_Graph_802.11a_ANT2_5240_6Mbps_PSD



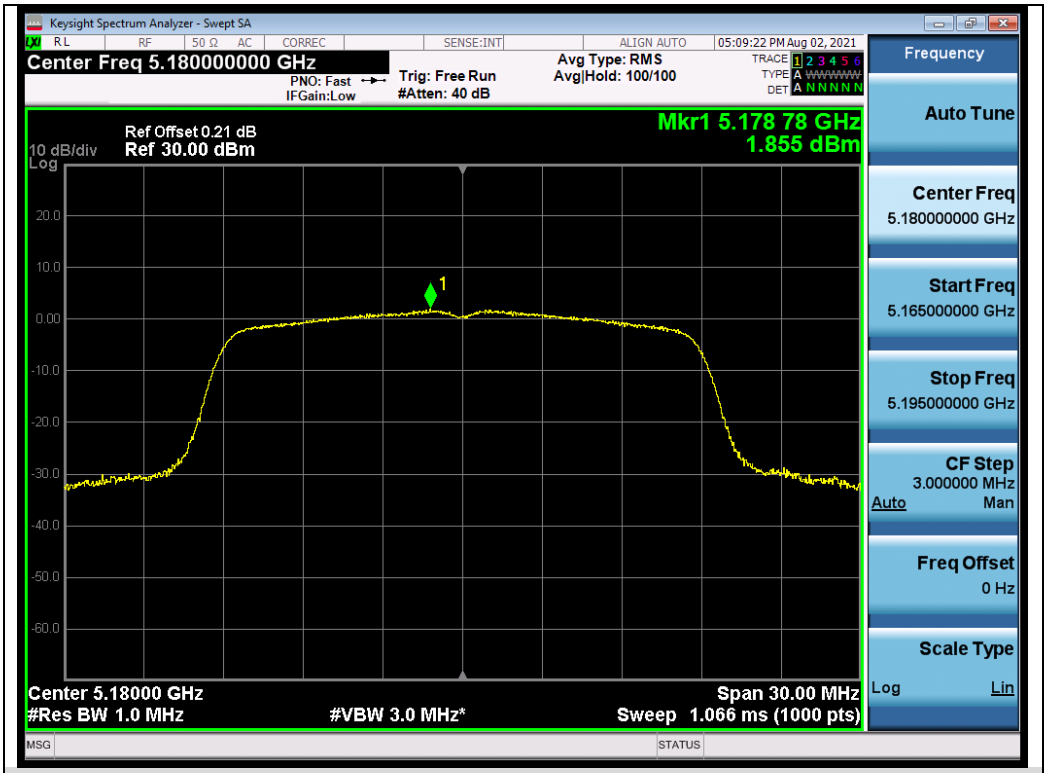
Test_Graph_802.11n20_ANT2_5180_MCS0_PSD

Test_Graph_802.11n20_ANT2_5200_MCS0_PSD

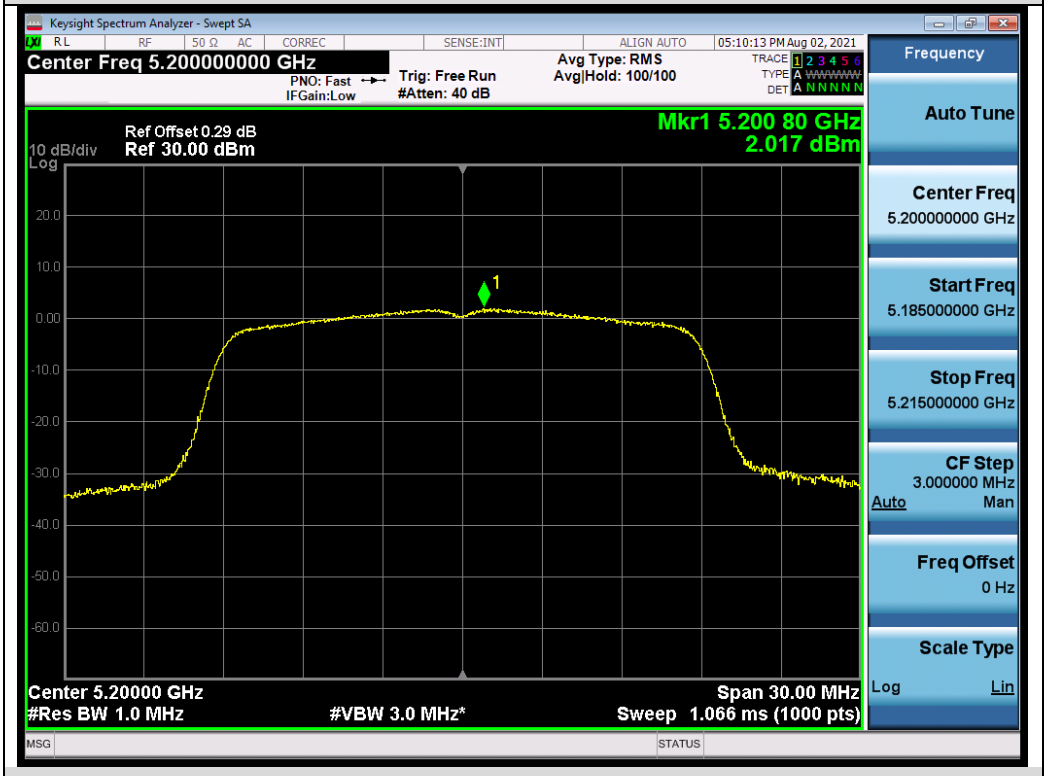
Test_Graph_802.11n20_ANT2_5240_MCS0_PSD

Test_Graph_802.11n40_ANT2_5190_MCS0_PSD

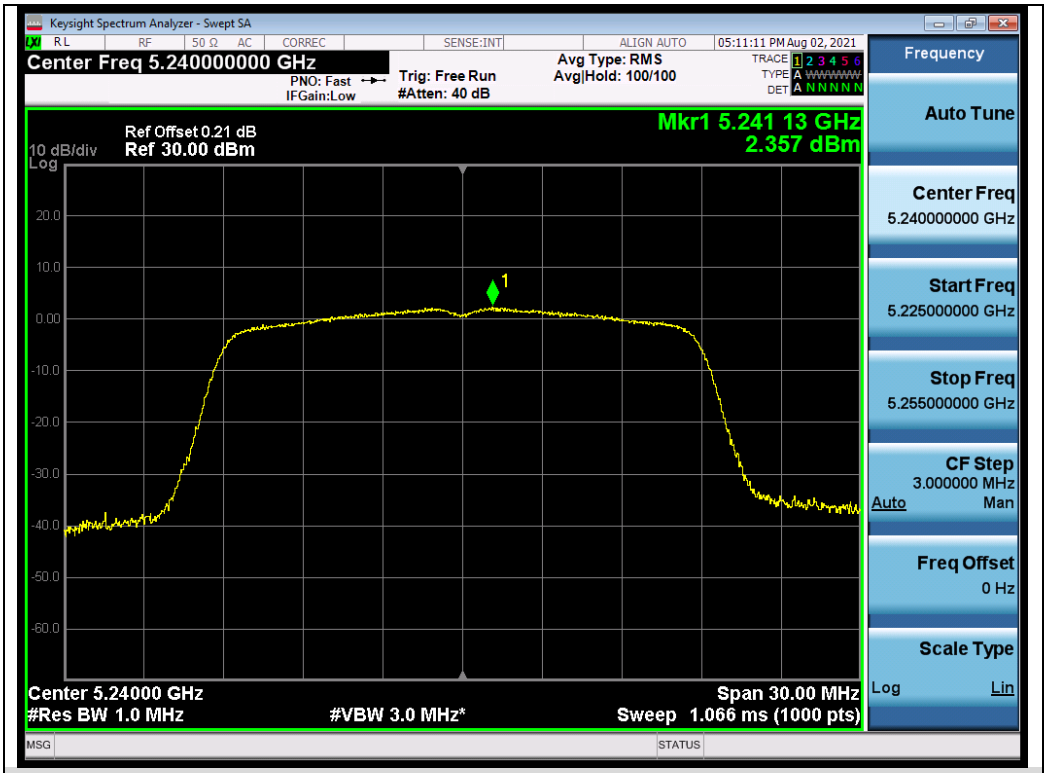
Test_Graph_802.11n40_ANT2_5230_MCS0_PSD



Test_Graph_802.11ac20_ANT2_5180_MCS0_PSD



Test_Graph_802.11ac20_ANT2_5200_MCS0_PSD



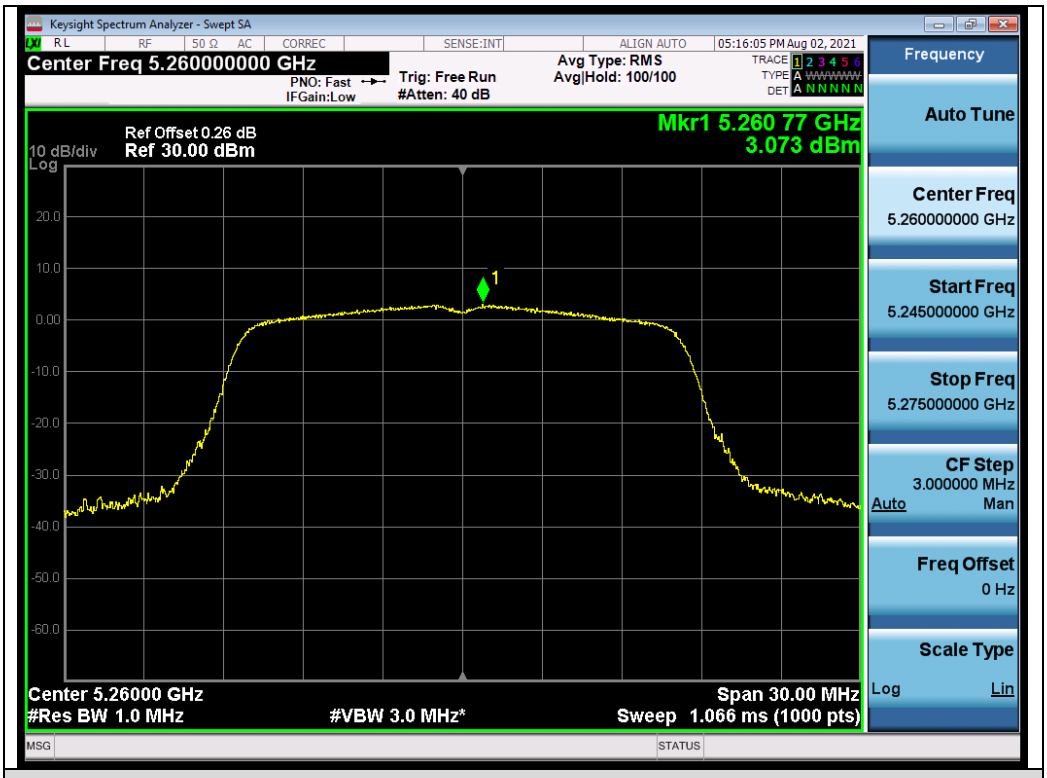
Test_Graph_802.11ac20_ANT2_5240_MCS9_PSD

Test_Graph_802.11ac40_ANT2_5190_MCS9_PSD

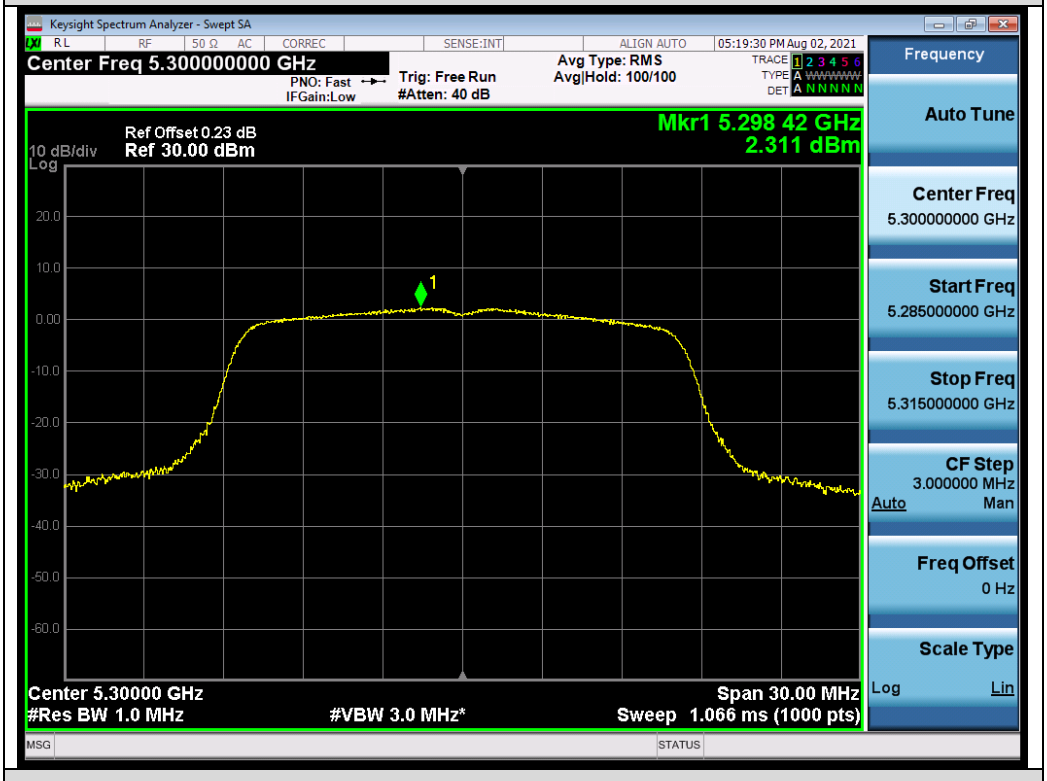
Test_Graph_802.11ac40_ANT2_5230_MCS9_PSD

Test_Graph_802.11ac80_ANT2_5210_MCS9_PSD

Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz



Test_Graph_802.11a_ANT1_5260_6Mbps_PSD



Test_Graph_802.11a_ANT1_5300_6Mbps_PSD

Test_Graph_802.11a_ANT1_5320_6Mbps_PSD

Test_Graph_802.11n20_ANT1_5260_MCS0_PSD

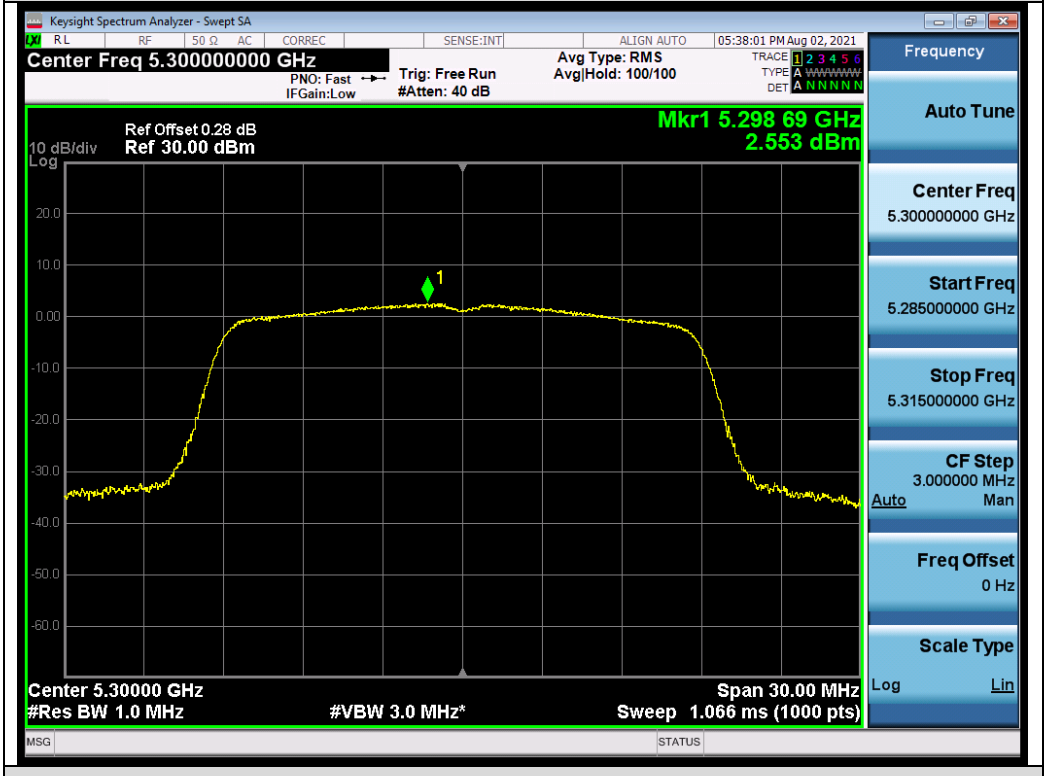
Test_Graph_802.11n20_ANT1_5300_MCS0_PSD

Test_Graph_802.11n20_ANT1_5320_MCS0_PSD

Test_Graph_802.11n40_ANT1_5270_MCS0_PSD

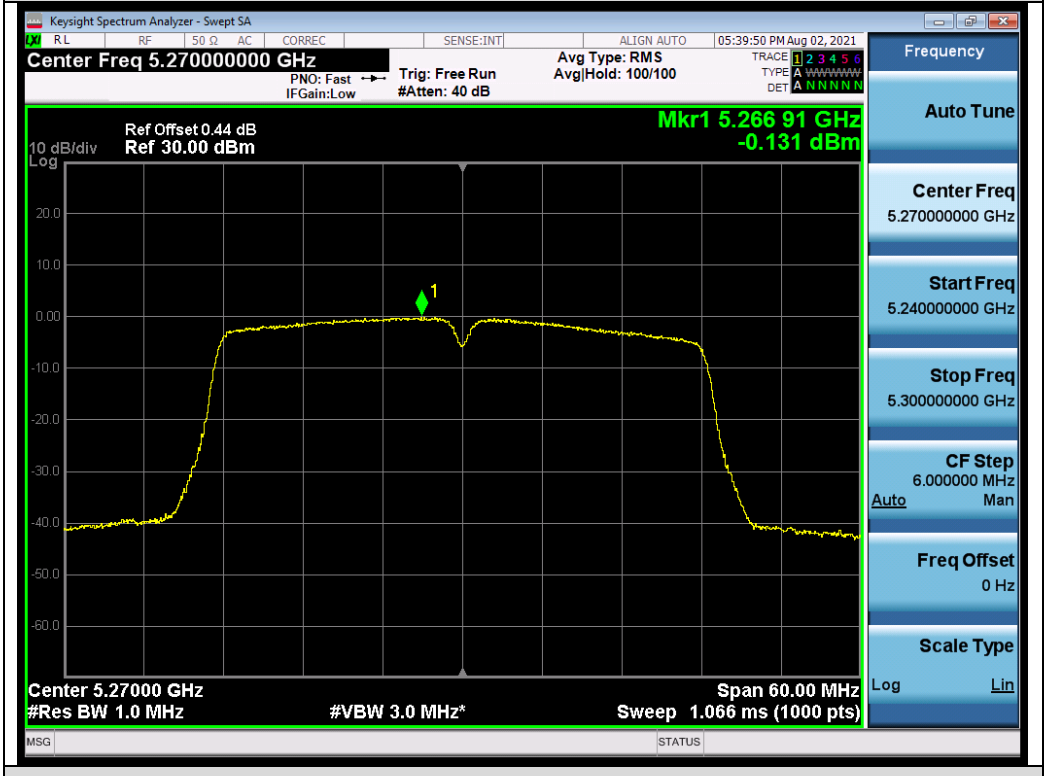
Test_Graph_802.11n40_ANT1_5310_MCS0_PSD

Test_Graph_802.11ac20_ANT1_5260_MCS0_PSD



Test_Graph_802.11ac20_ANT1_5300_MCS0_PSD

Test_Graph_802.11ac20_ANT1_5320_MCS9_PSD

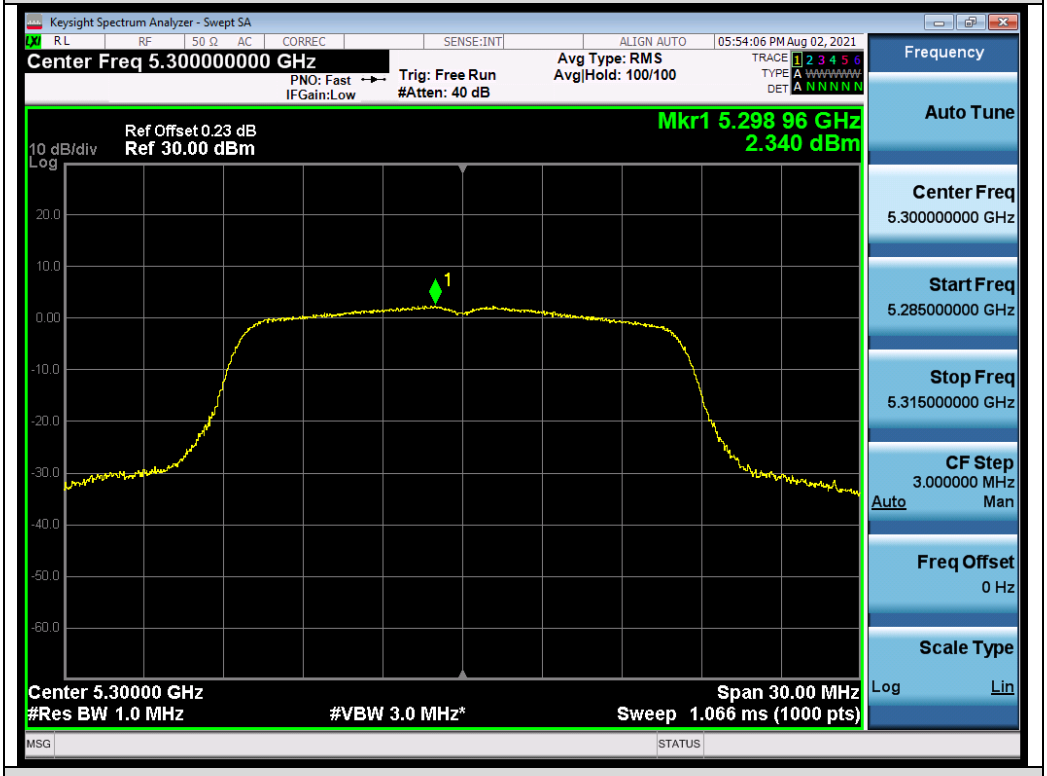


Test_Graph_802.11ac40_ANT1_5270_MCS9_PSD

Test_Graph_802.11ac40_ANT1_5310_MCS9_PSD

Test_Graph_802.11ac80_ANT1_5290_MCS9_PSD

Test_Graph_802.11a_ANT2_5260_6Mbps_PSD



Test_Graph_802.11a_ANT2_5300_6Mbps_PSD