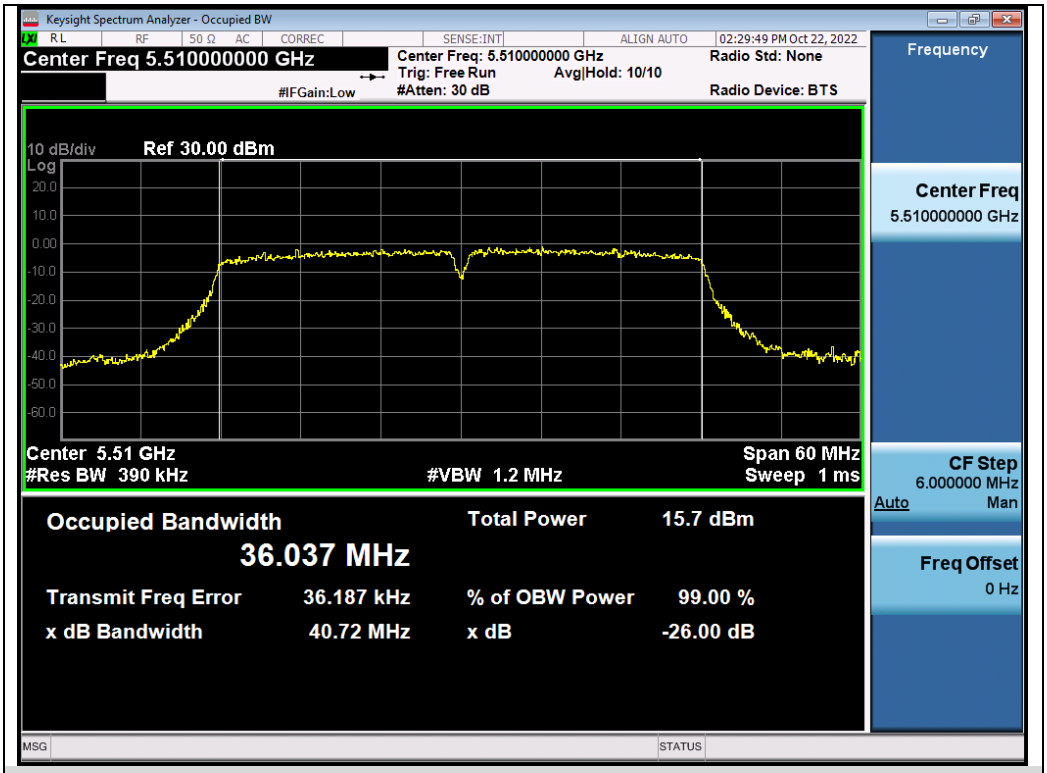
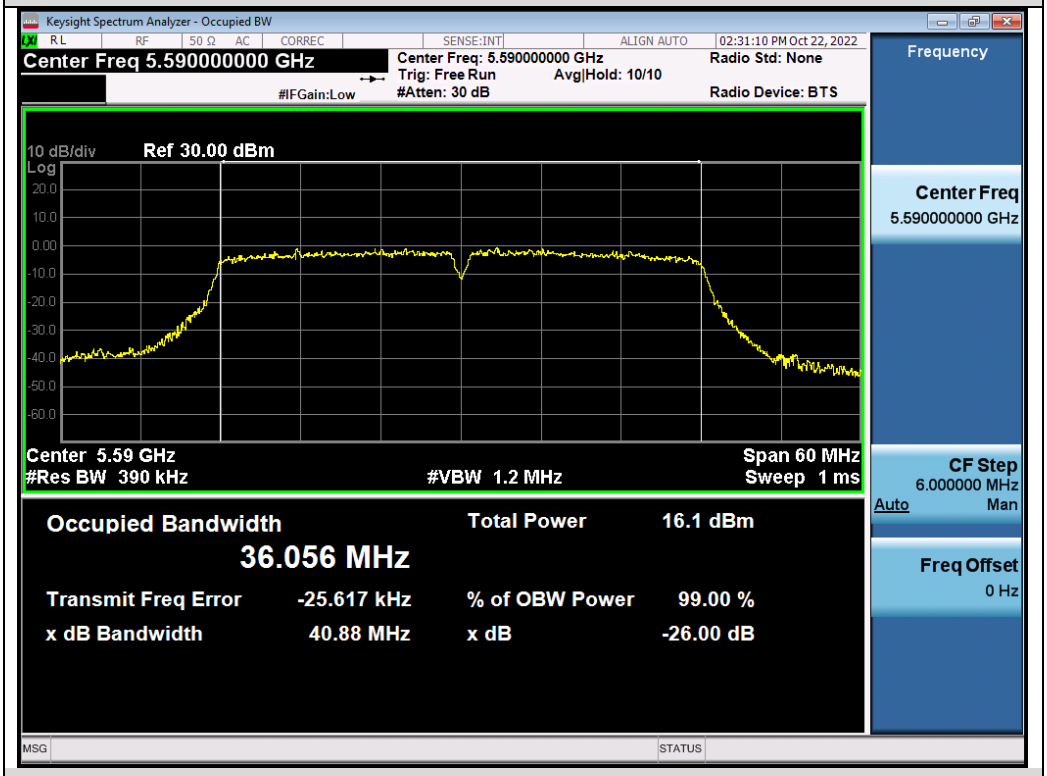
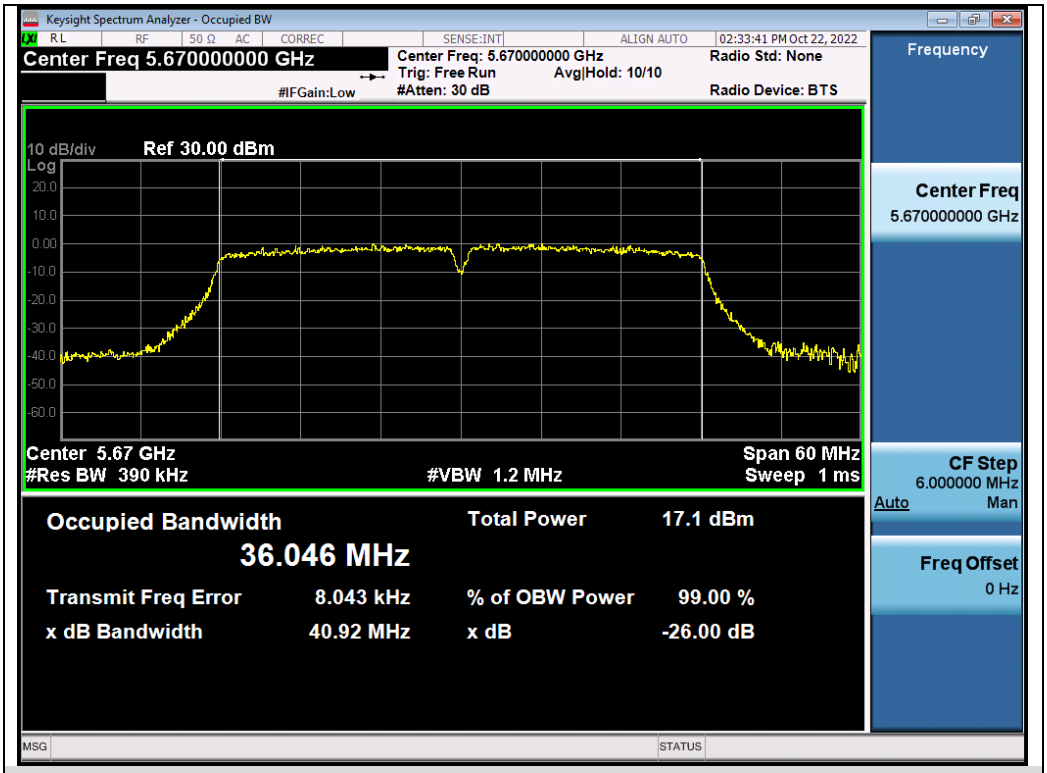


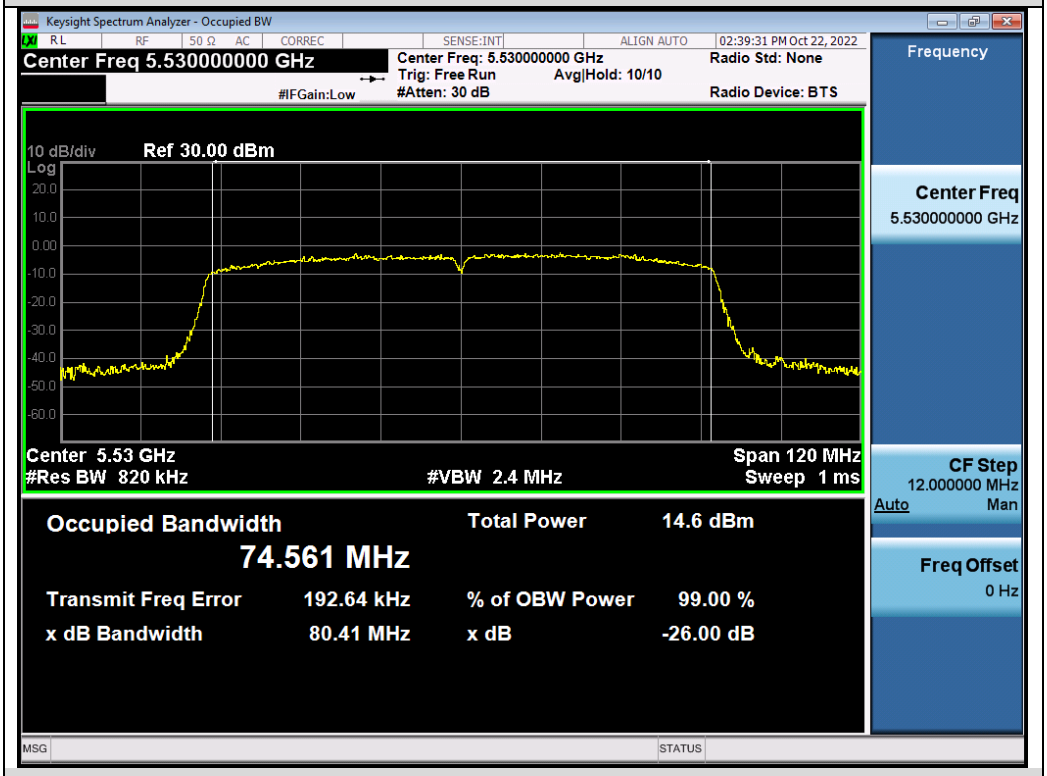
Test_Graph_802.11ac40_ANT1_5510_MCS9_OBW



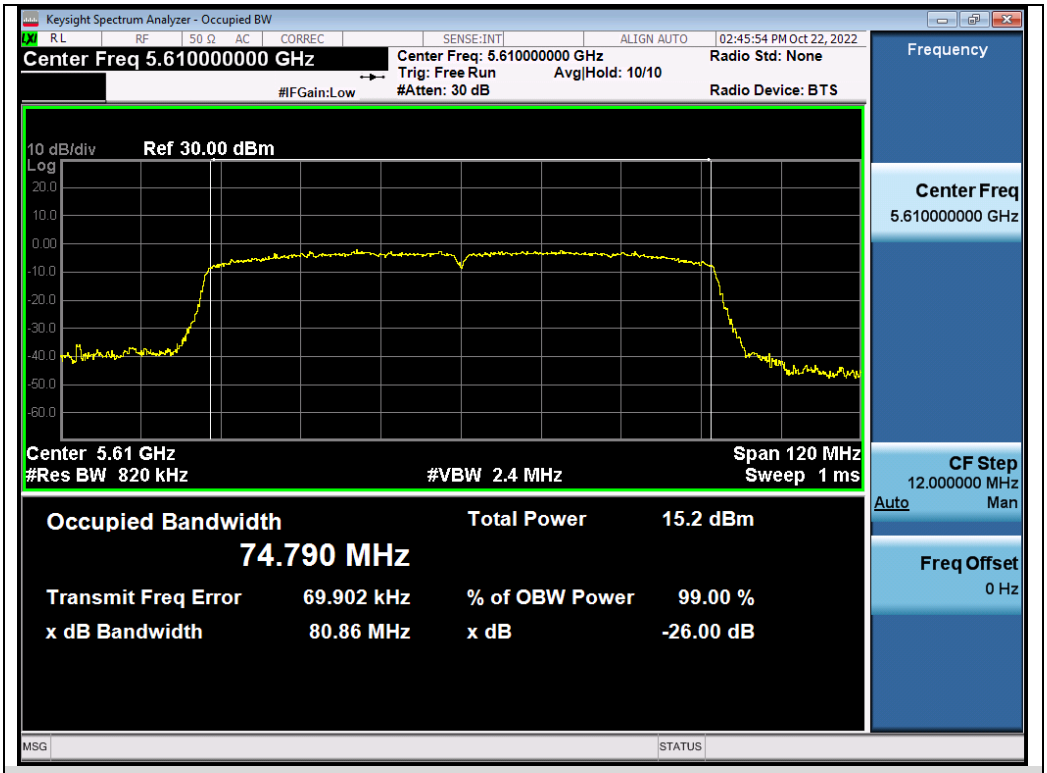
Test_Graph_802.11ac40_ANT1_5590_MCS9_OBW



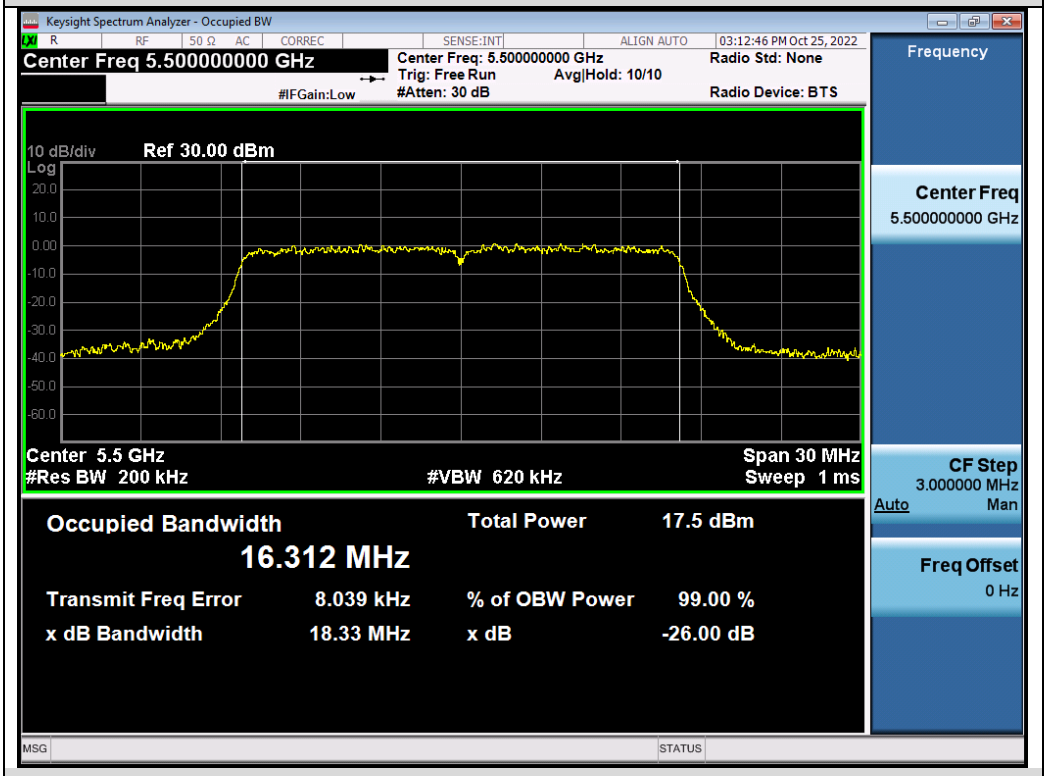
Test_Graph_802.11ac40_ANT1_5670_MCS9_OBW



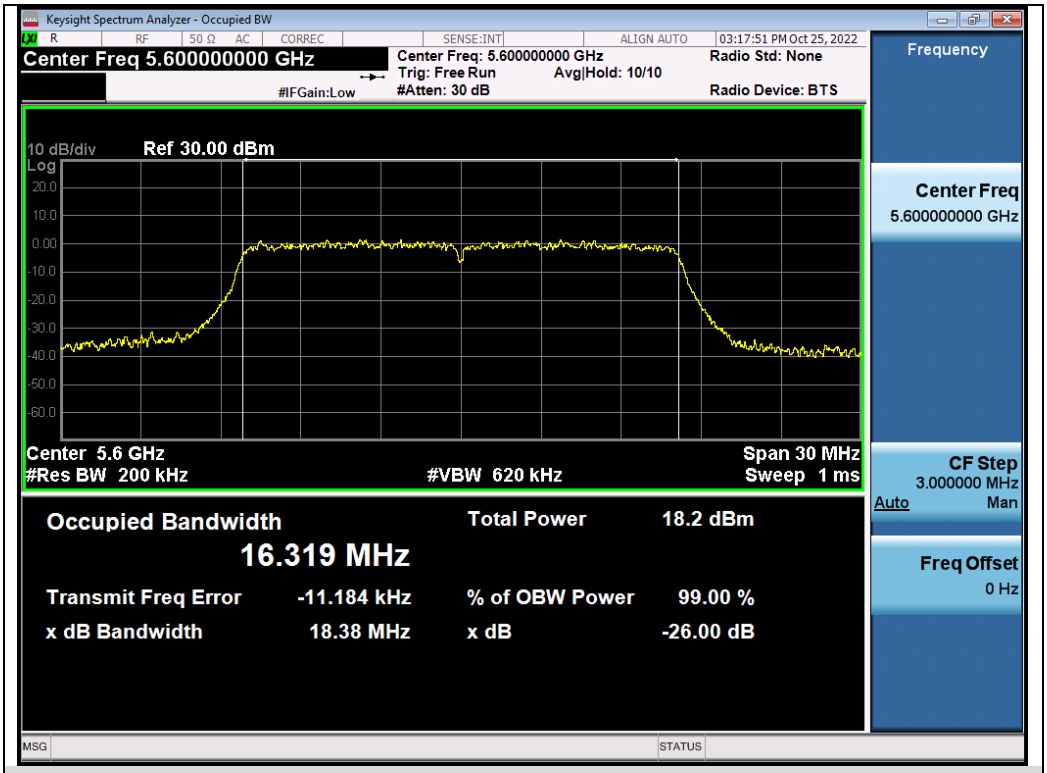
Test_Graph_802.11ac80_ANT1_5530_MCS9_OBW



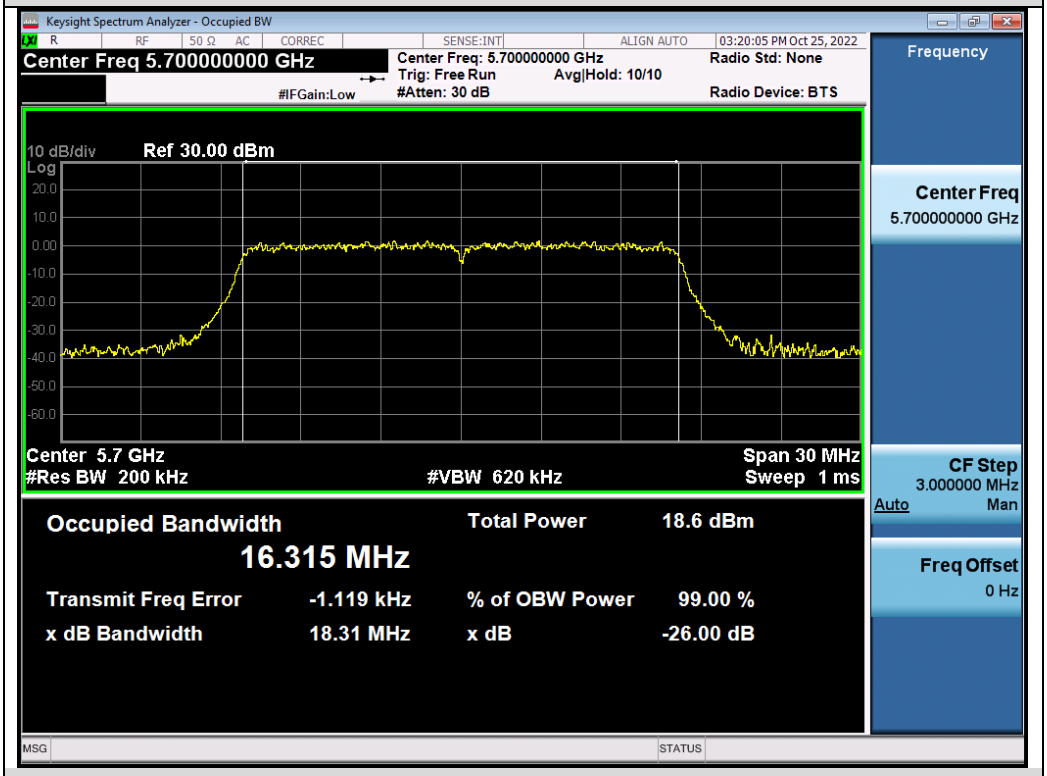
Test_Graph_802.11ac80_ANT1_5610_MCS9_OBW



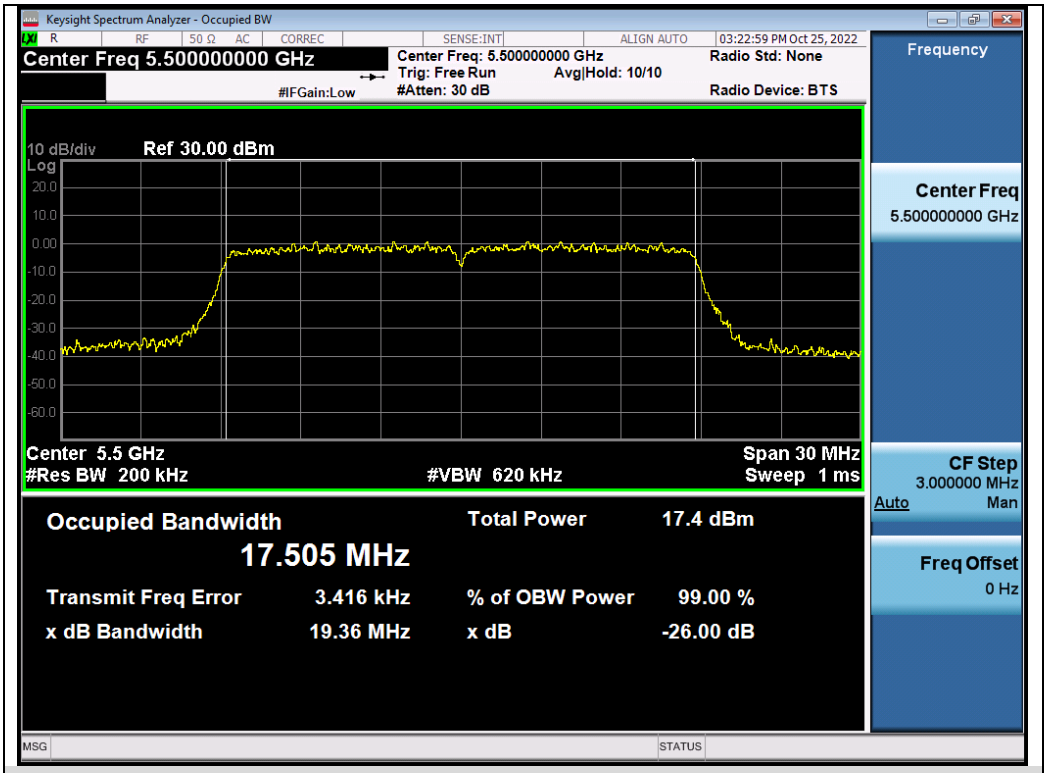
Test_Graph_802.11a_ANT2_5500_6Mbps_OBW



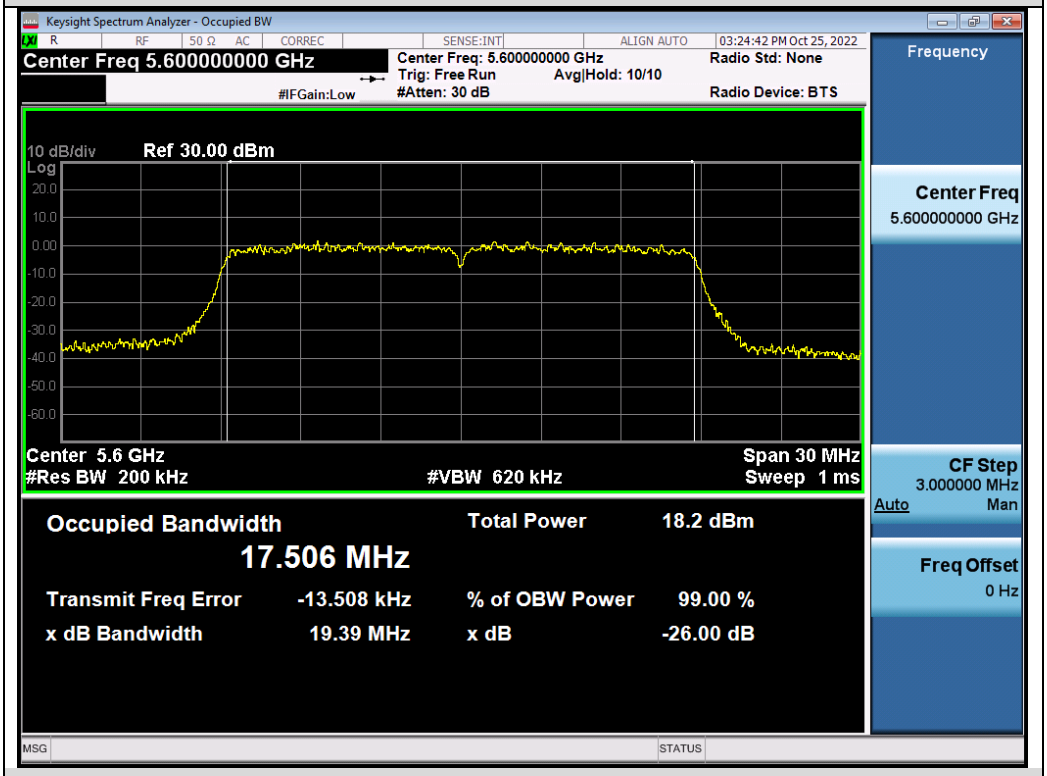
Test_Graph_802.11a_ANT2_5600_6Mbps_OBW



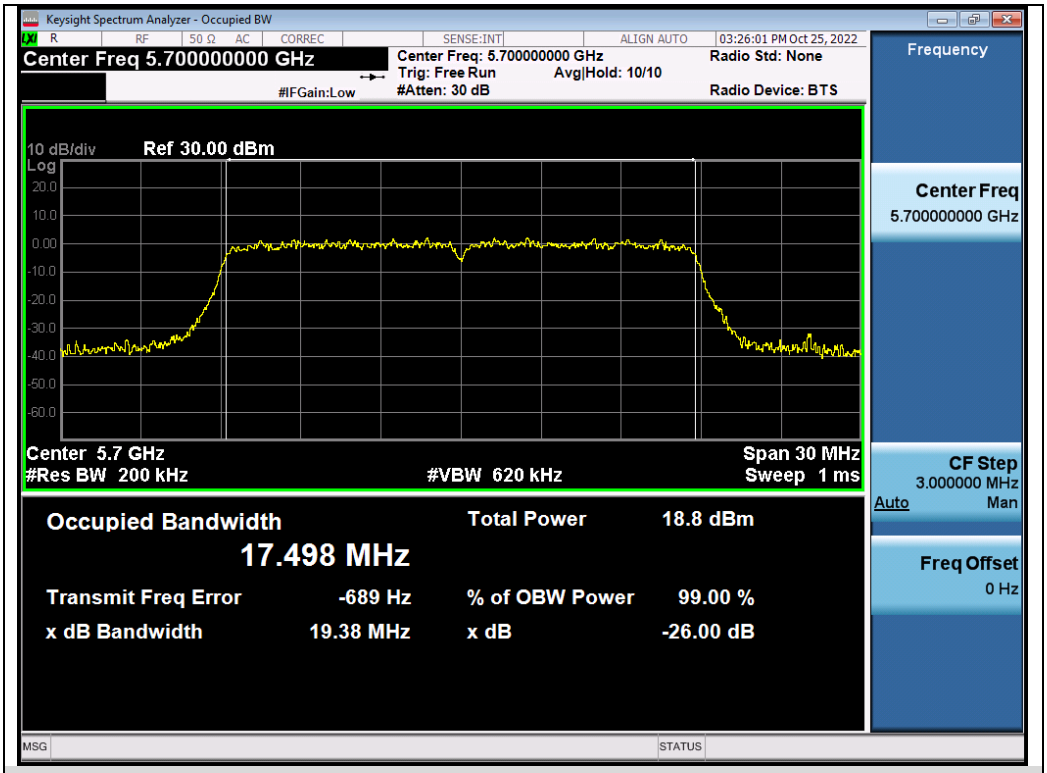
Test_Graph_802.11a_ANT2_5700_6Mbps_OBW



Test_Graph_802.11n20_ANT2_5500_MCS0_OBW



Test_Graph_802.11n20_ANT2_5600_MCS0_OBW



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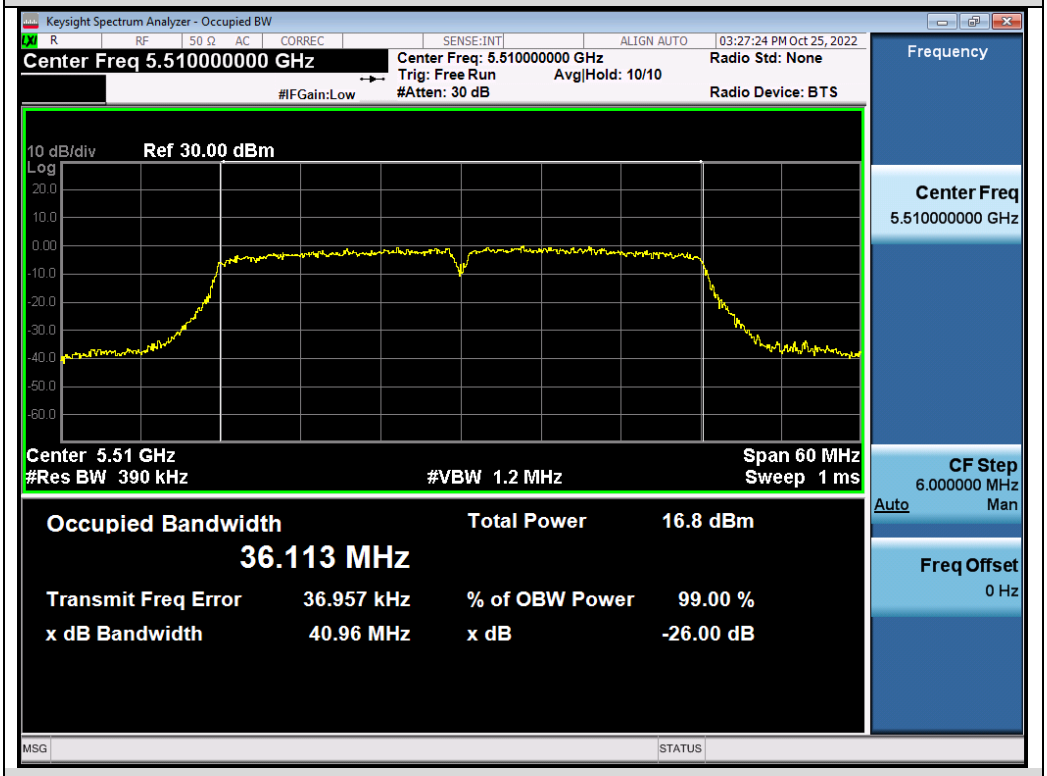
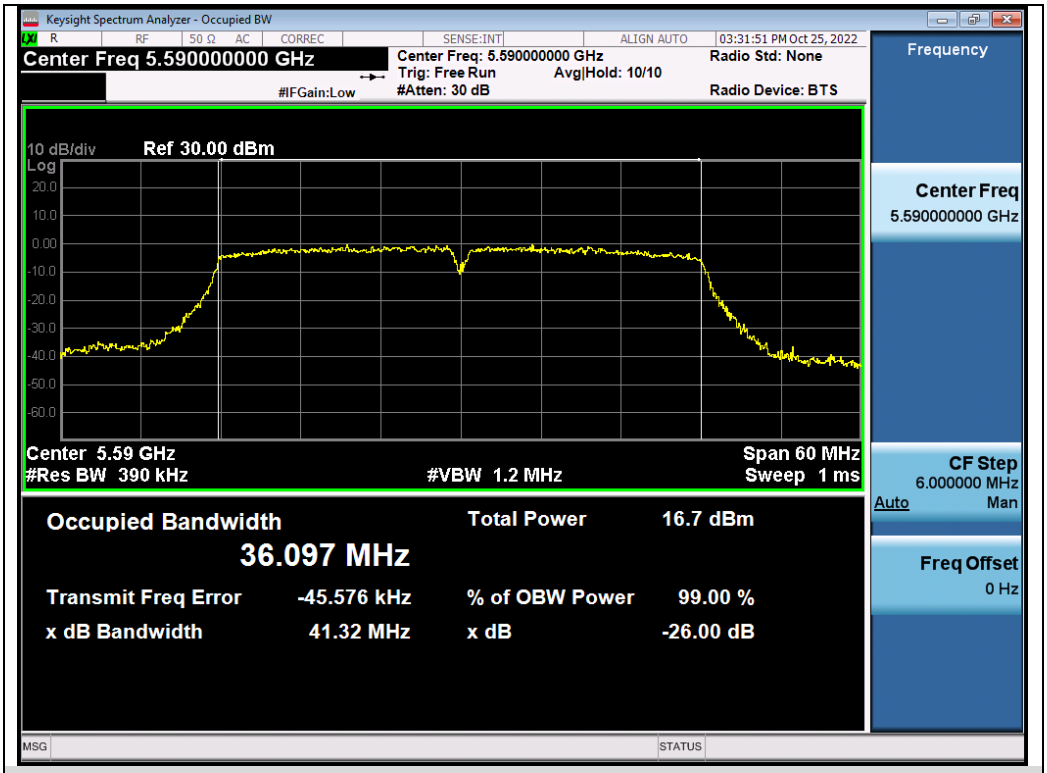
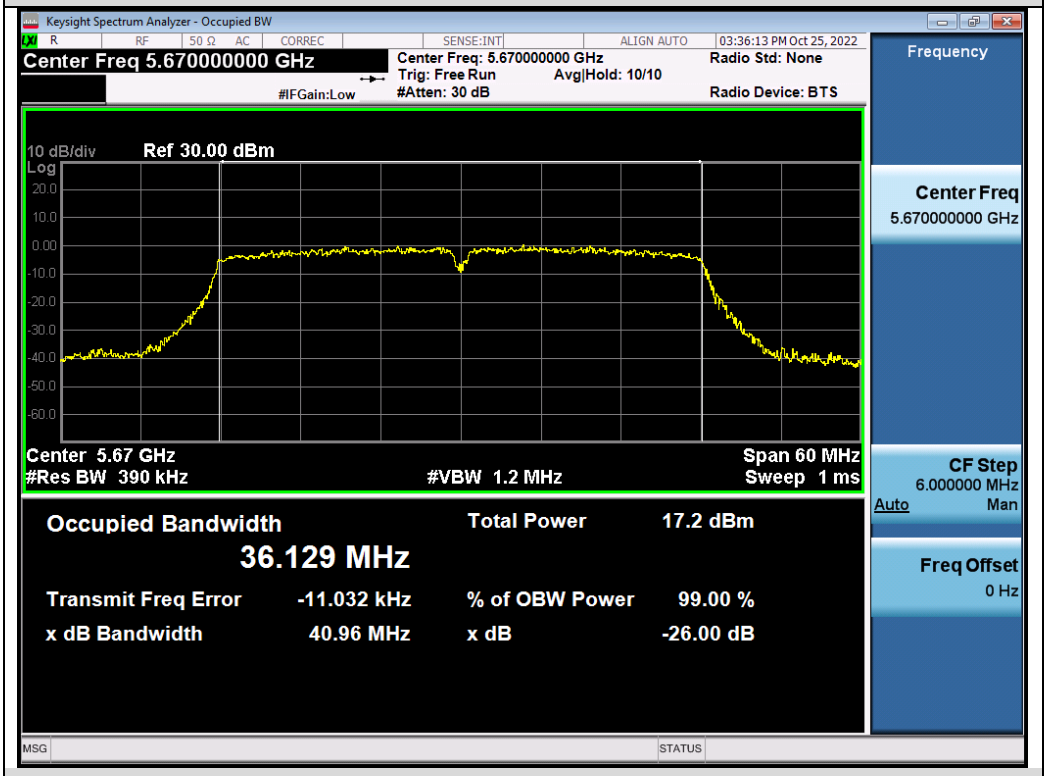


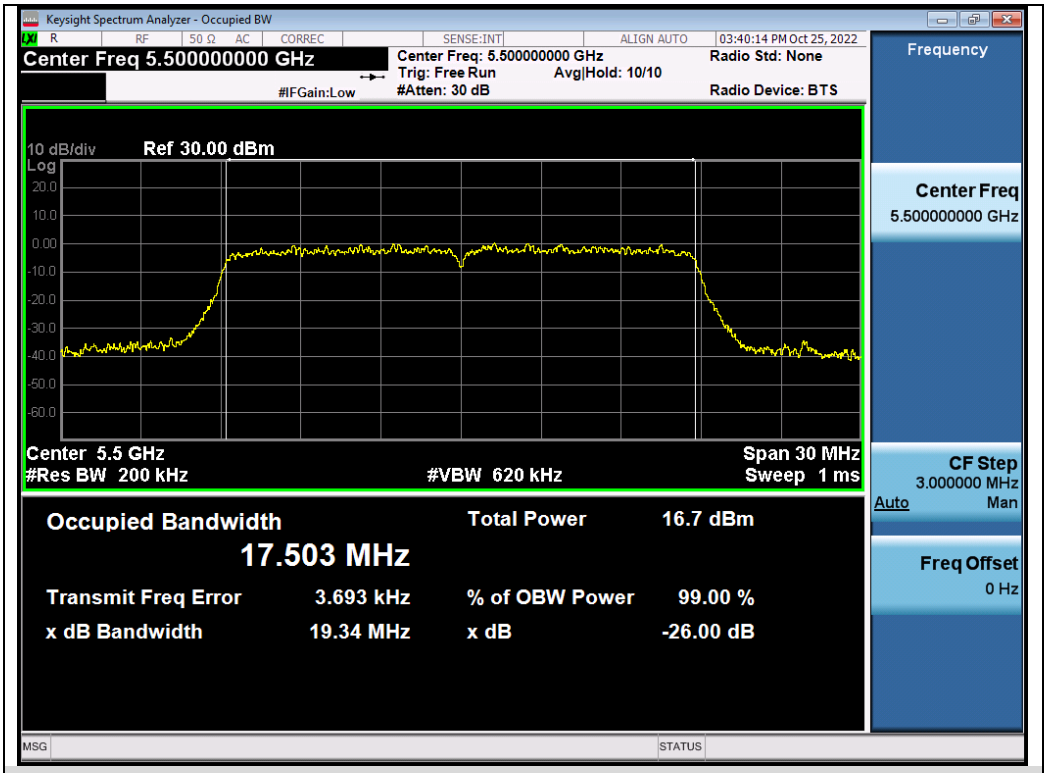
Test_Graph_802.11n40_ANT2_5510_MCS0_OBW



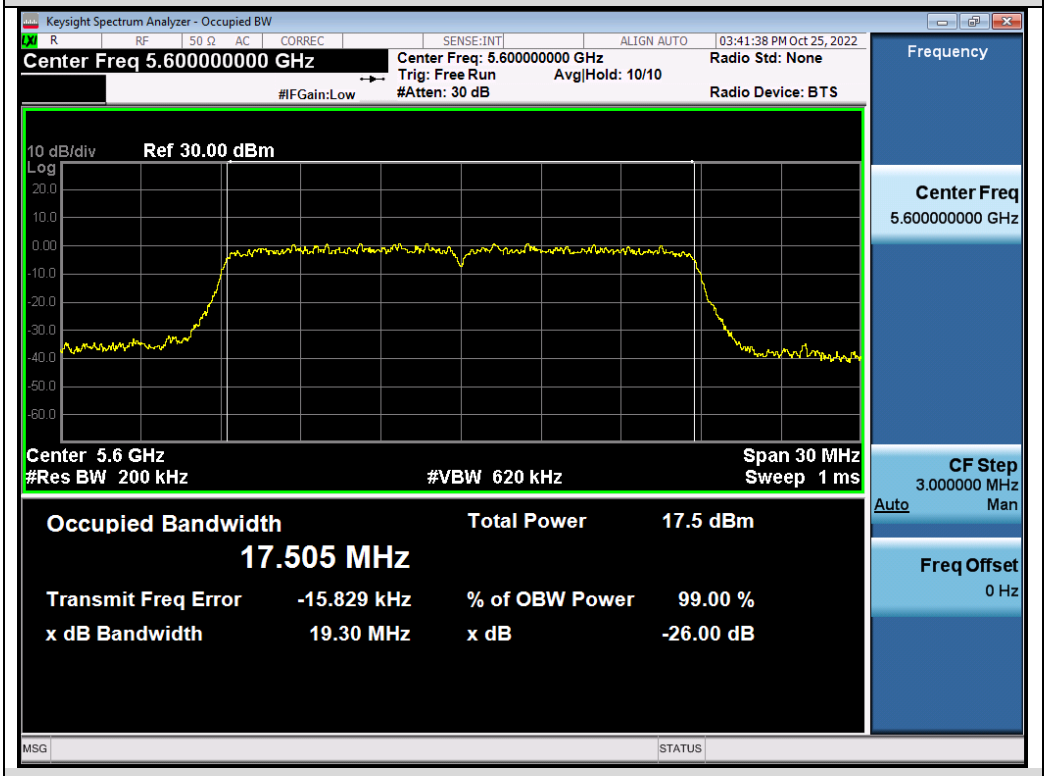
Test_Graph_802.11n40_ANT2_5590_MCS0_OBW



Test_Graph_802.11n40_ANT2_5670_MCS0_OBW



Test_Graph_802.11ac20_ANT2_5500_MCS0_OBW



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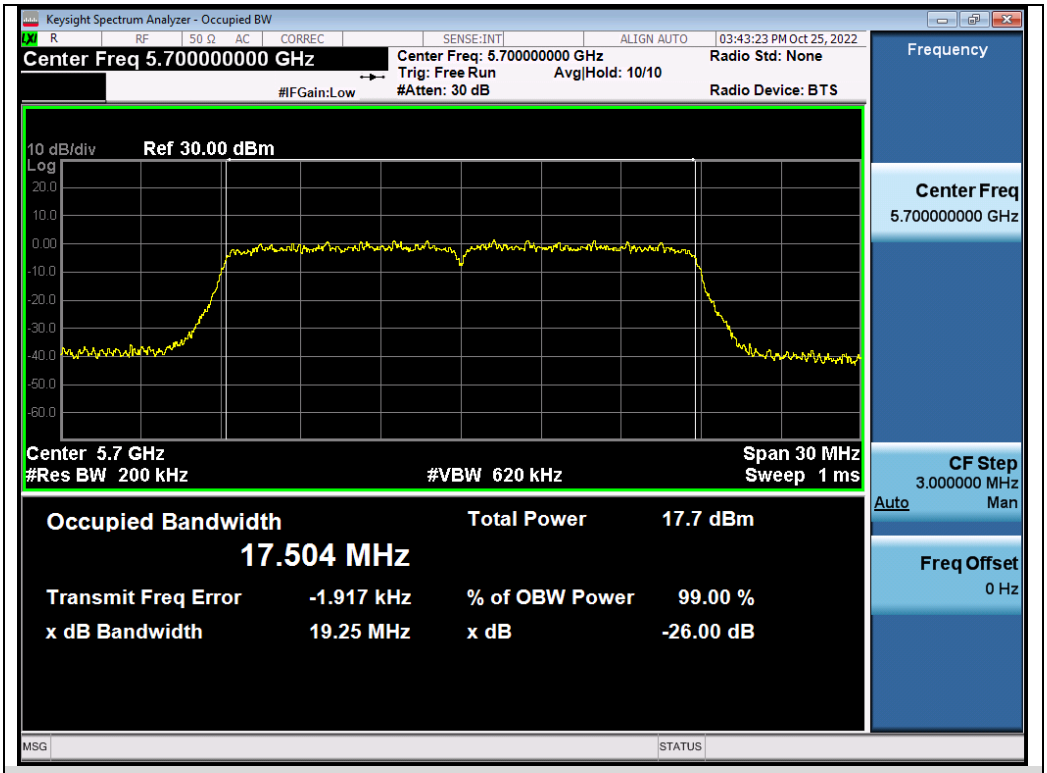
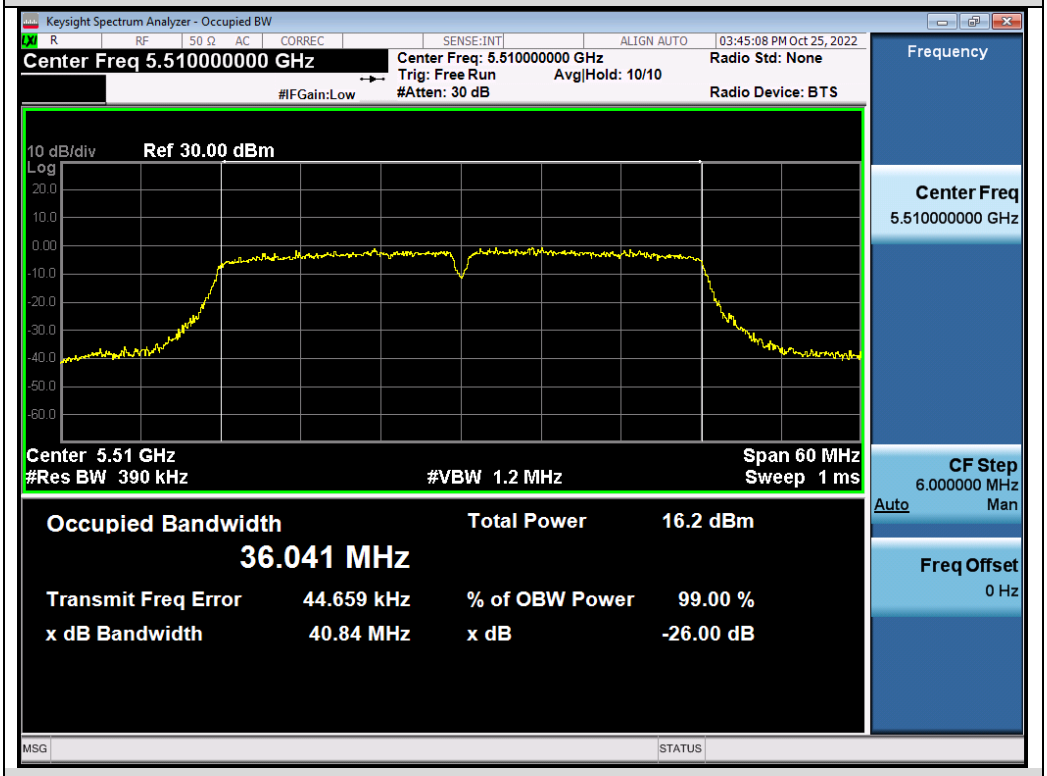
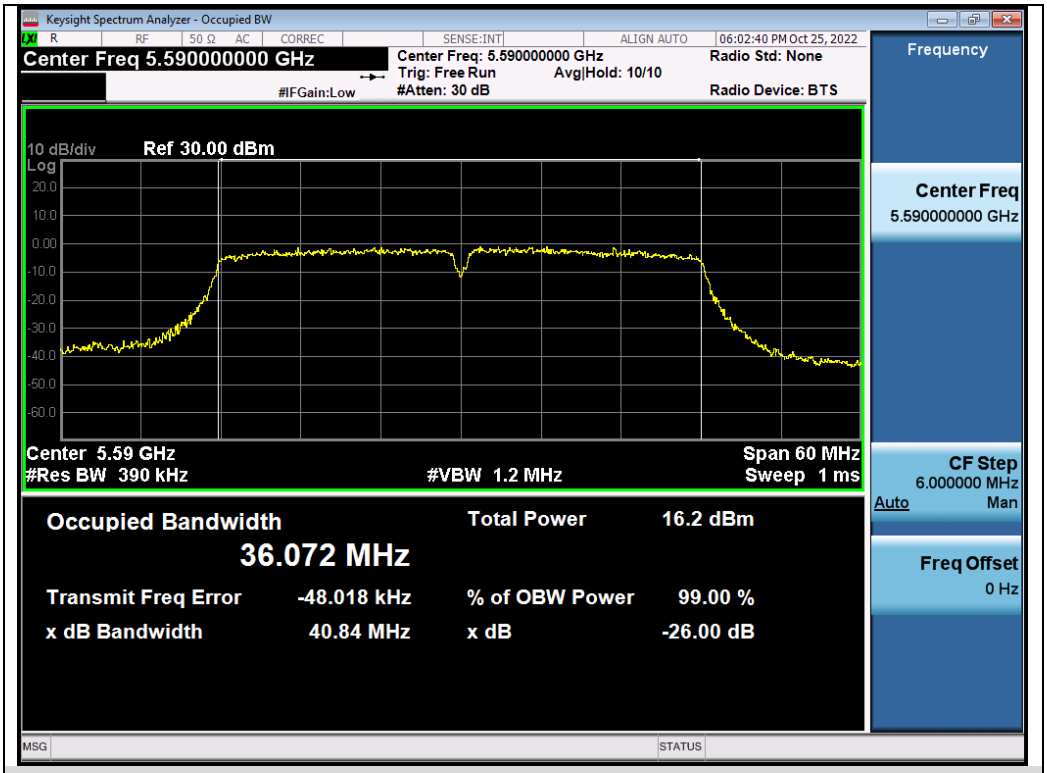


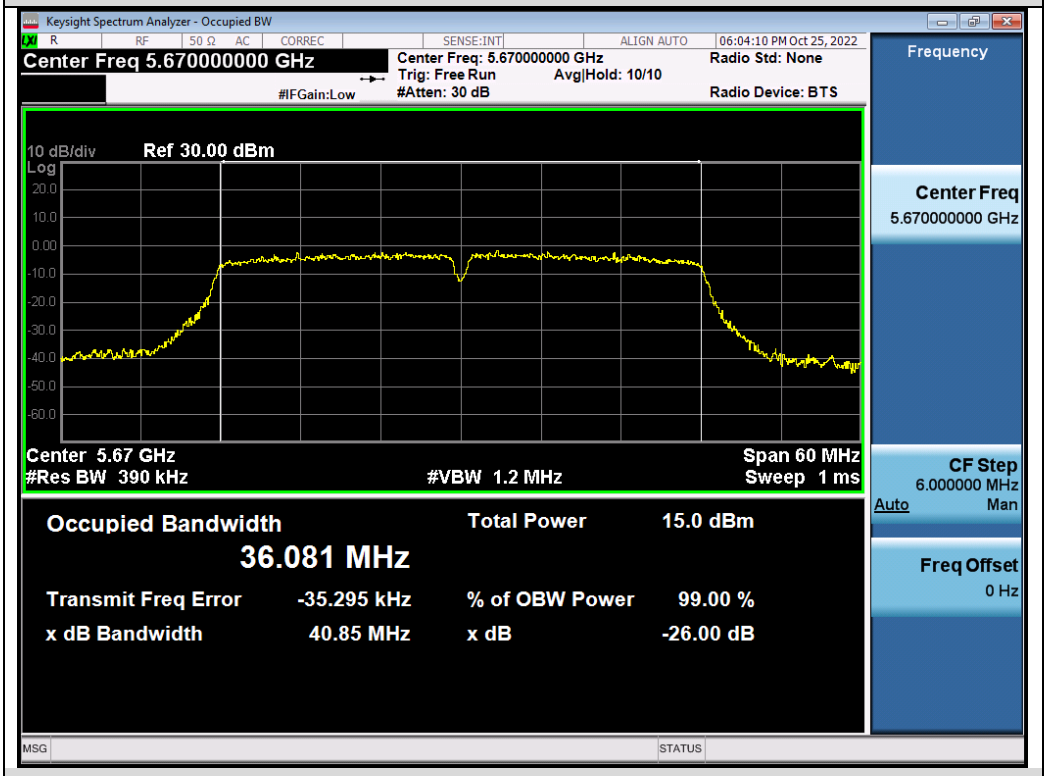
Test_Graph_802.11ac20_ANT2_5700_MCS9_OBW



Test_Graph_802.11ac40_ANT2_5510_MCS9_OBW

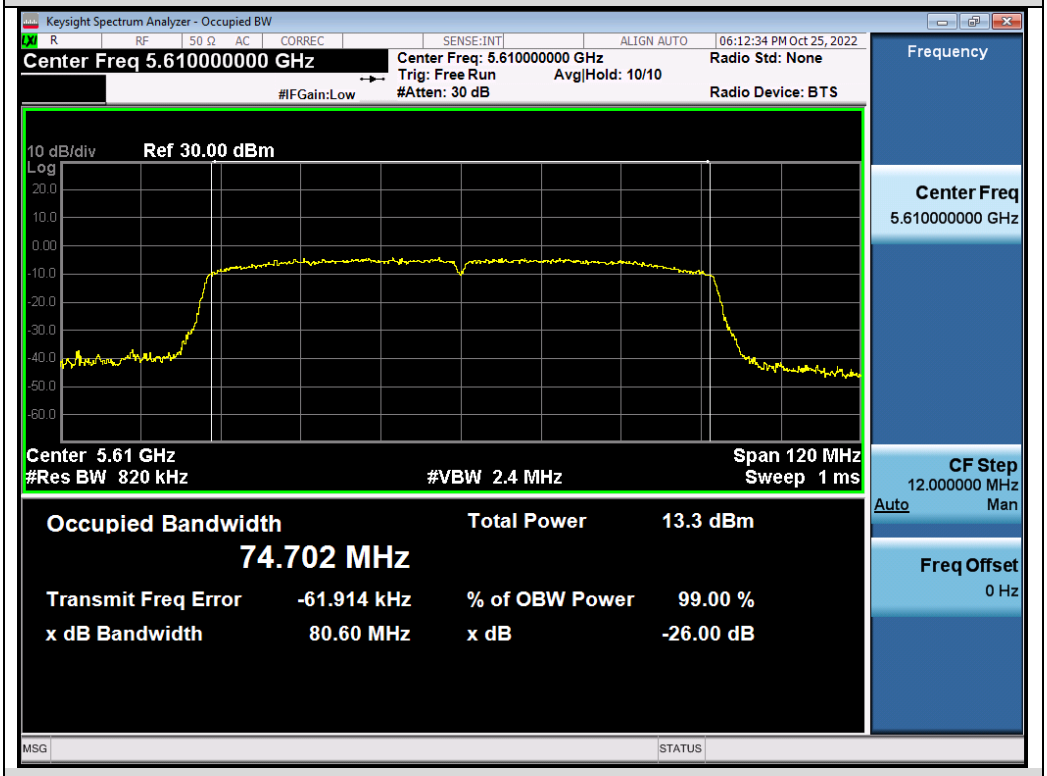


Test_Graph_802.11ac40_ANT2_5590_MCS9_OBW



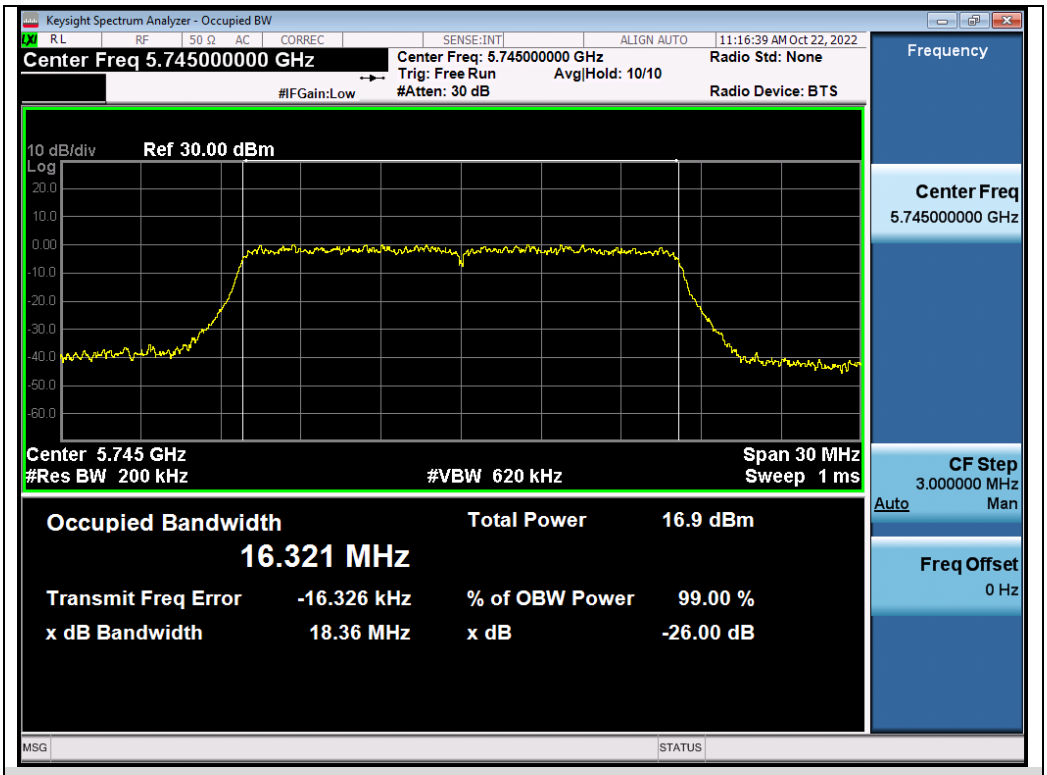
Test_Graph_802.11ac40_ANT2_5670_MCS9_OBW

Test_Graph_802.11ac80_ANT2_5530_MCS9_OBW

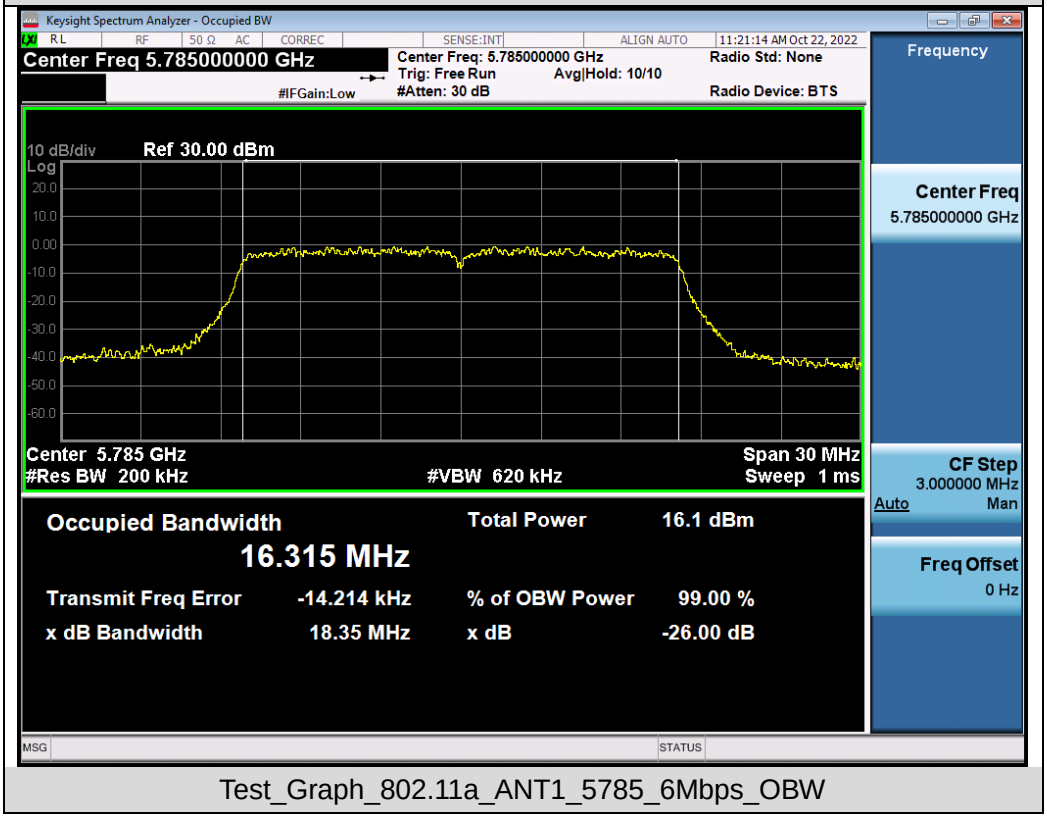


Test_Graph_802.11ac80_ANT2_5610_MCS9_OBW

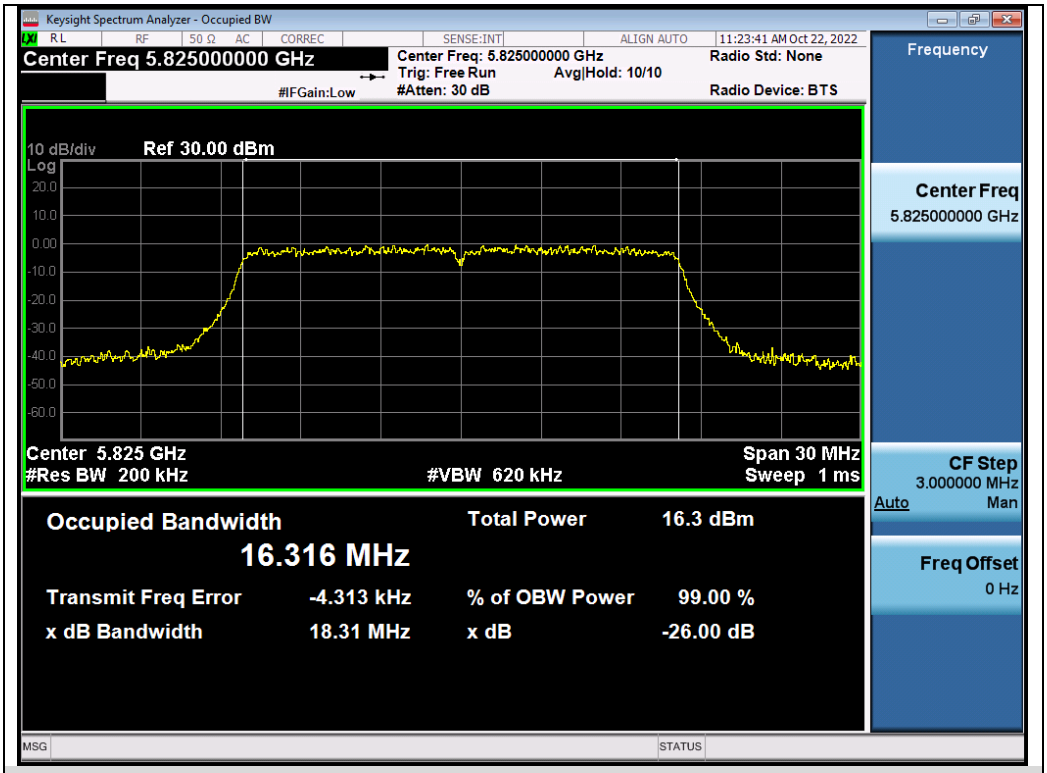
Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz



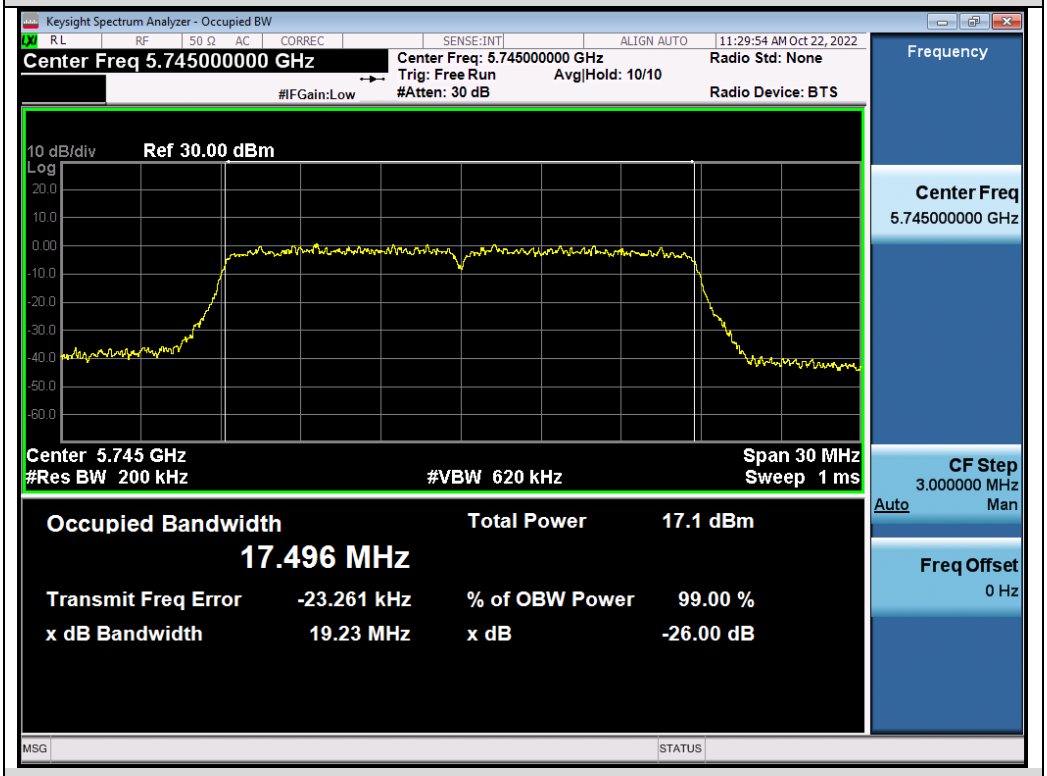
Test_Graph_802.11a_ANT1_5745_6Mbps_OBW



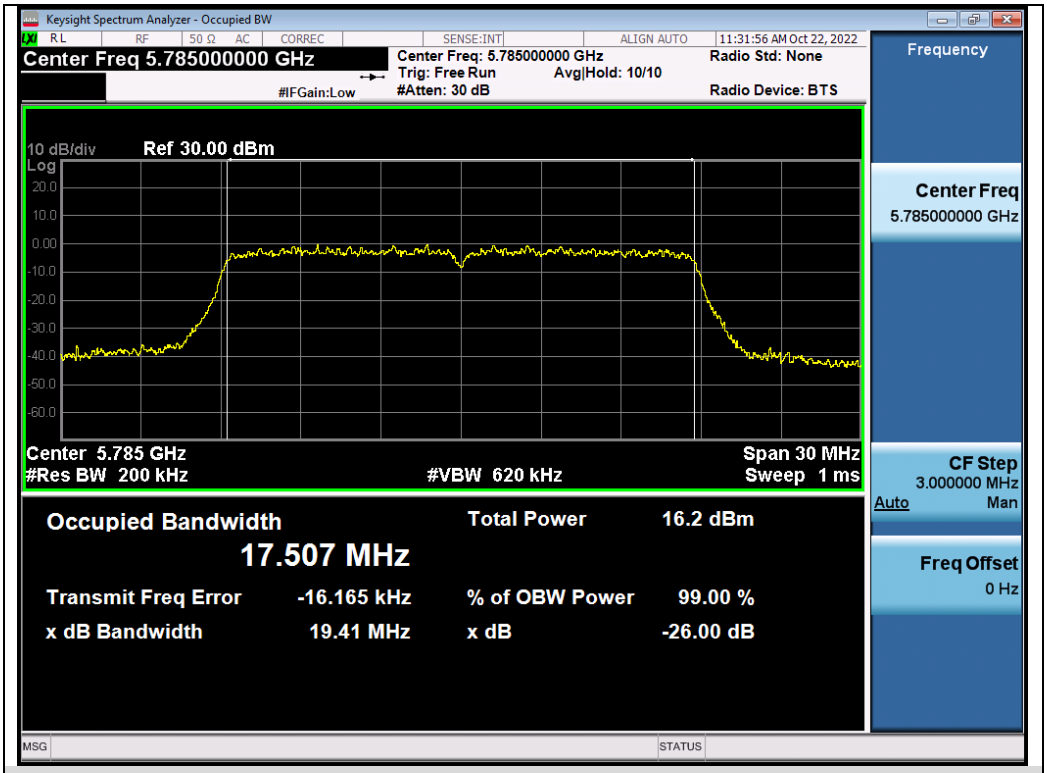
Test_Graph_802.11a_ANT1_5785_6Mbps_OBW



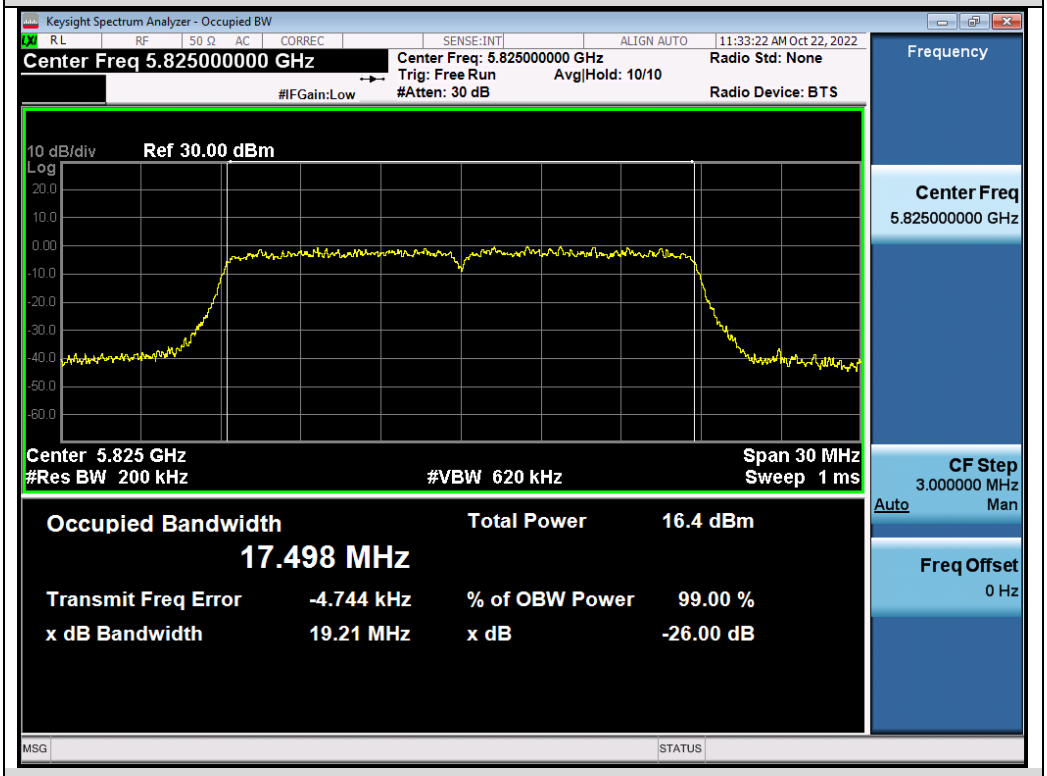
Test_Graph_802.11a_ANT1_5825_6Mbps_OBW



Test_Graph_802.11n20_ANT1_5745_MCS0_OBW



Test_Graph_802.11n20_ANT1_5785_MCS0_OBW



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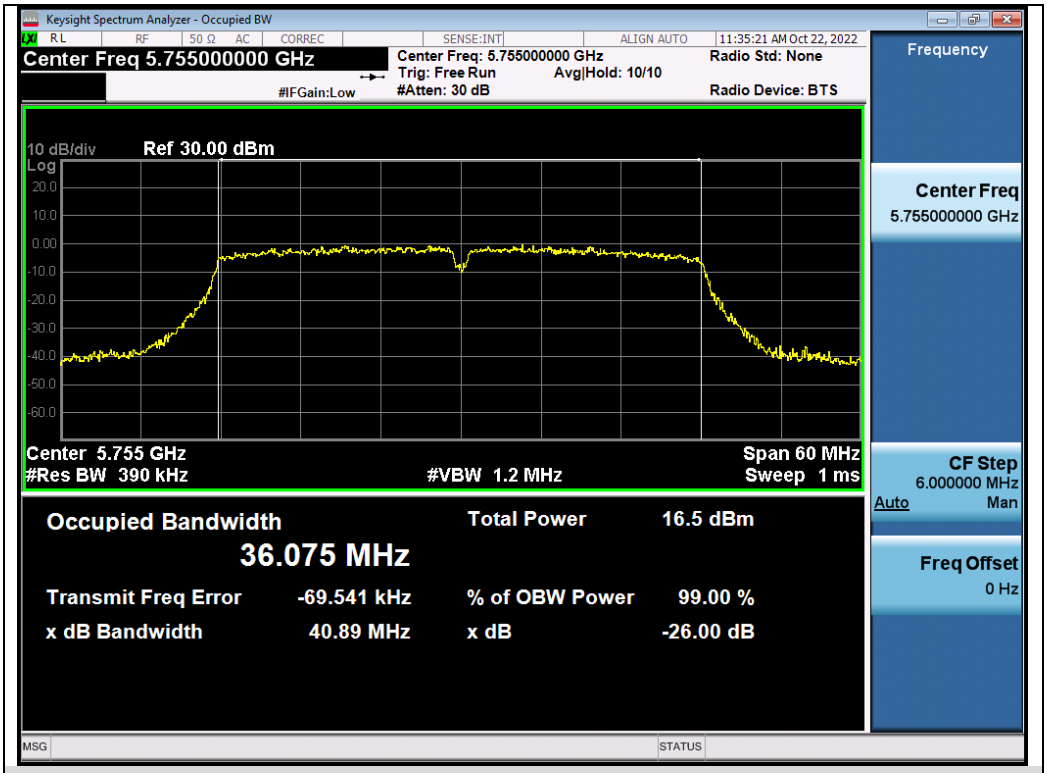
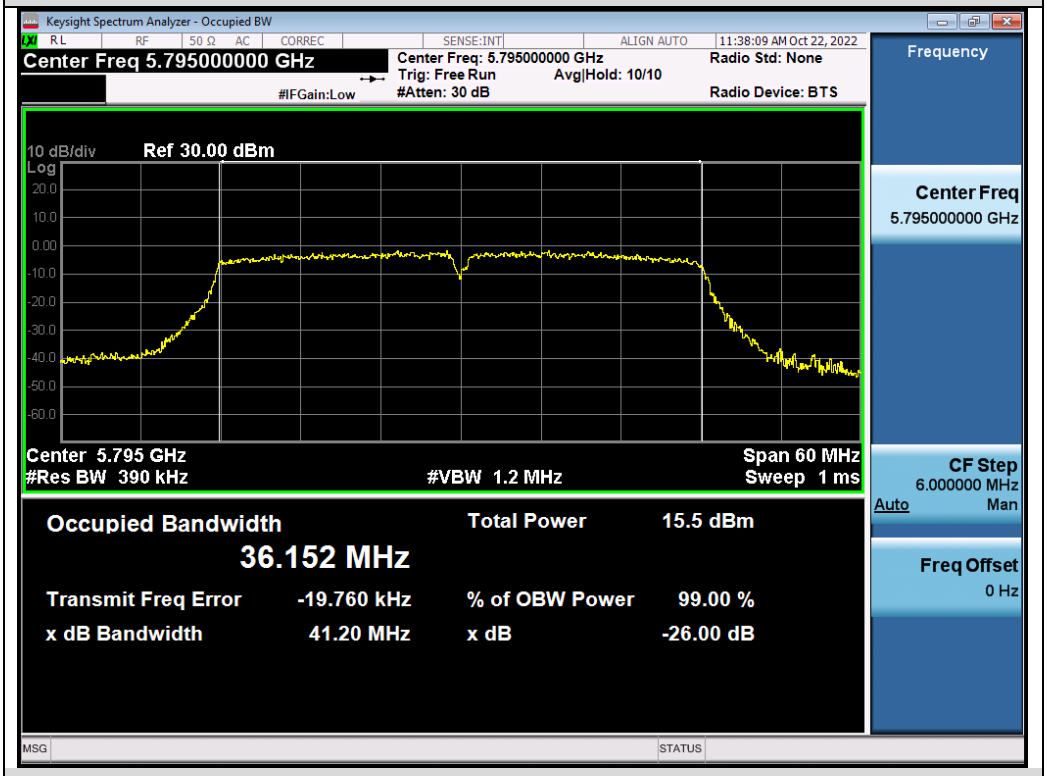
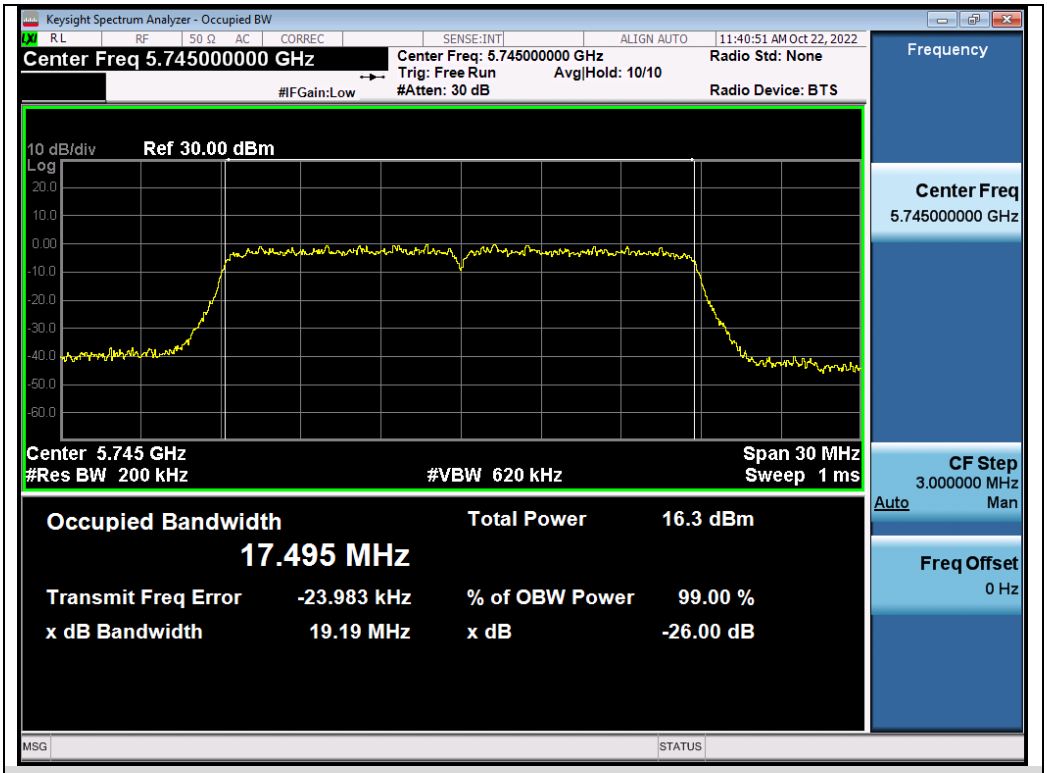


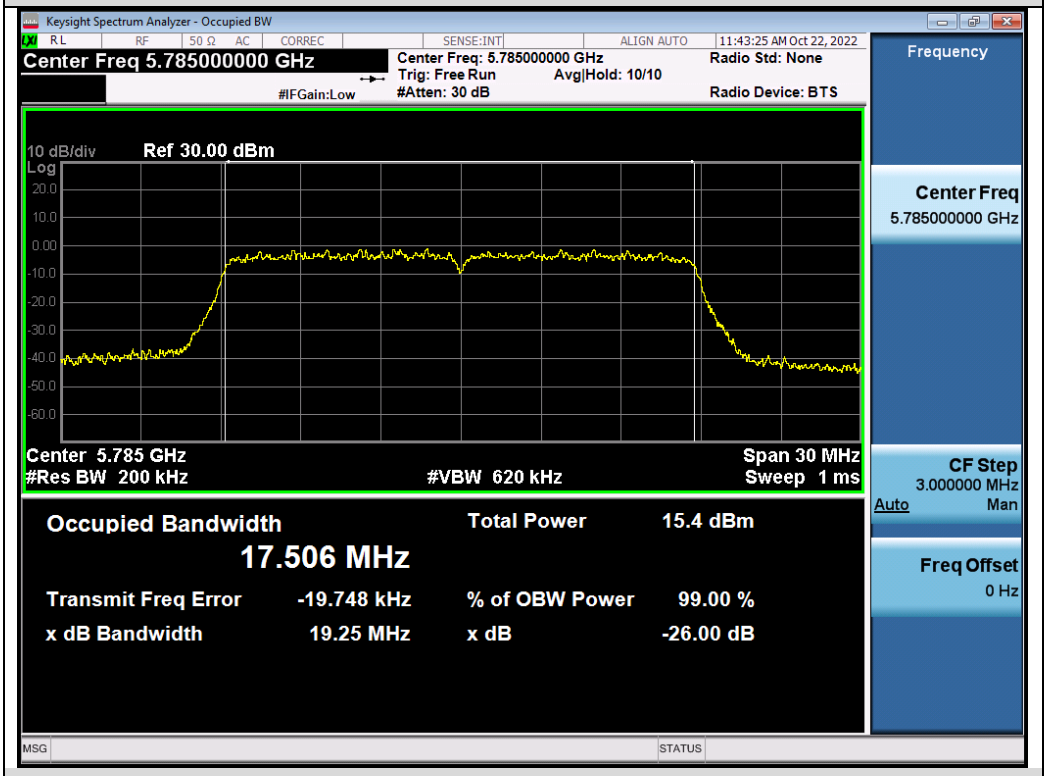
Test_Graph_802.11n40_ANT1_5755_MCS0_OBW



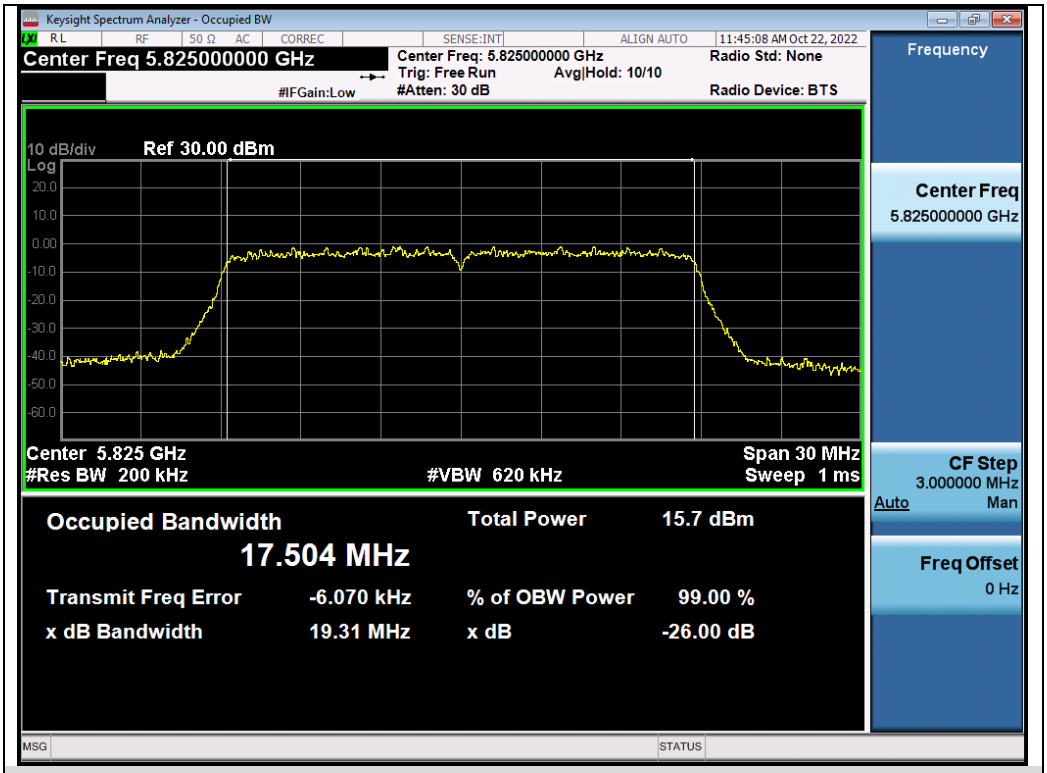
Test_Graph_802.11n40_ANT1_5795_MCS0_OBW



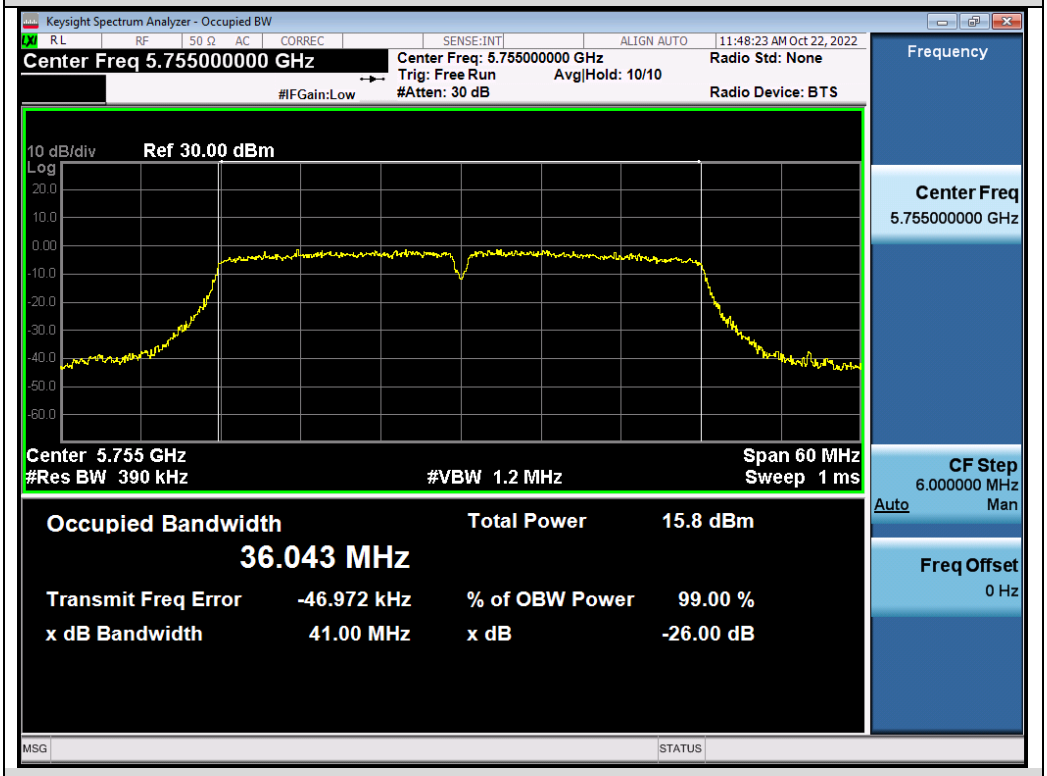
Test_Graph_802.11ac20_ANT1_5745_MCS0_OBW



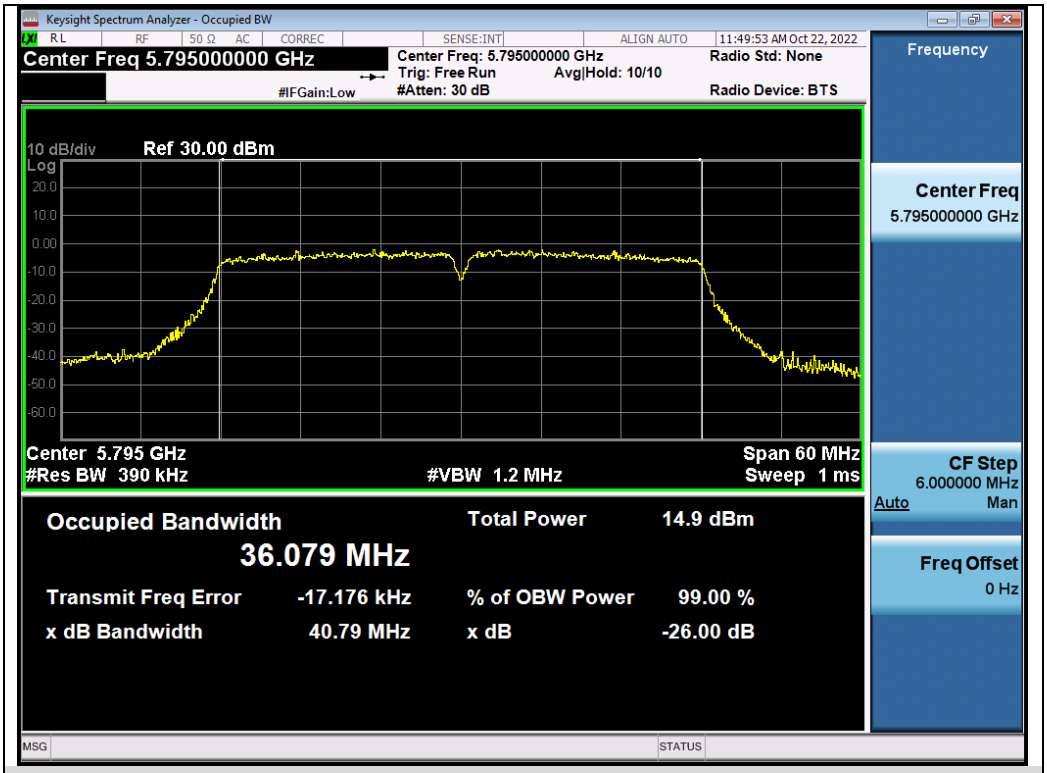
Test_Graph_802.11ac20_ANT1_5785_MCS0_OBW



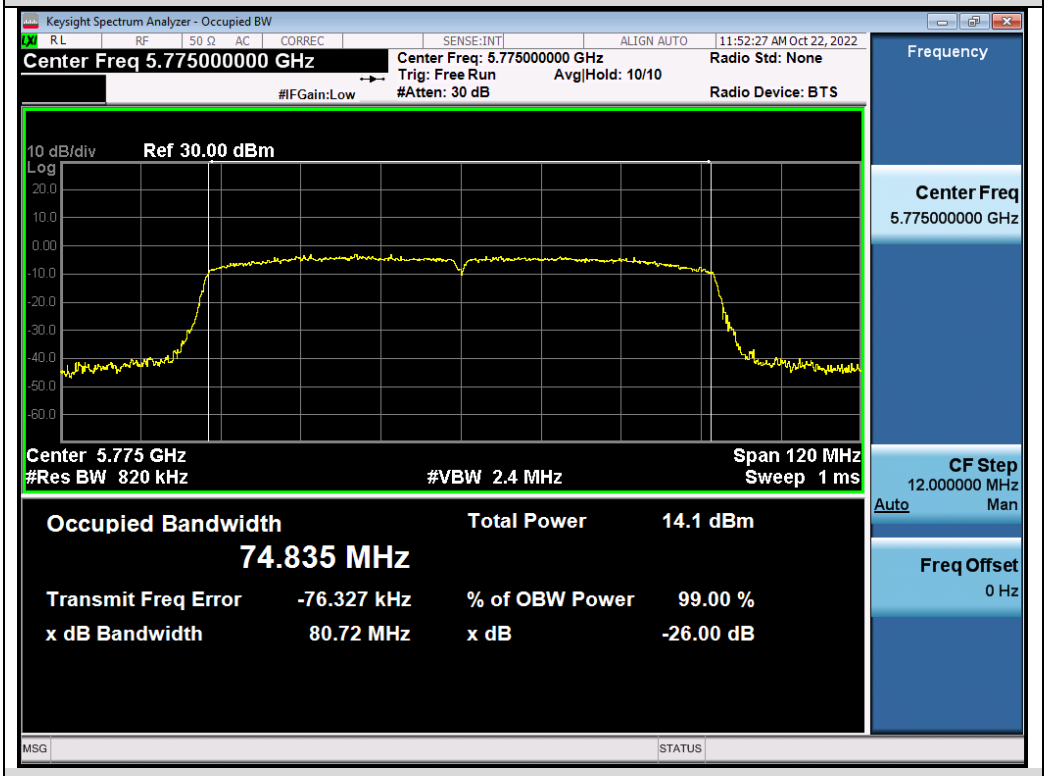
Test_Graph_802.11ac20_ANT1_5825_MCS9_OBW



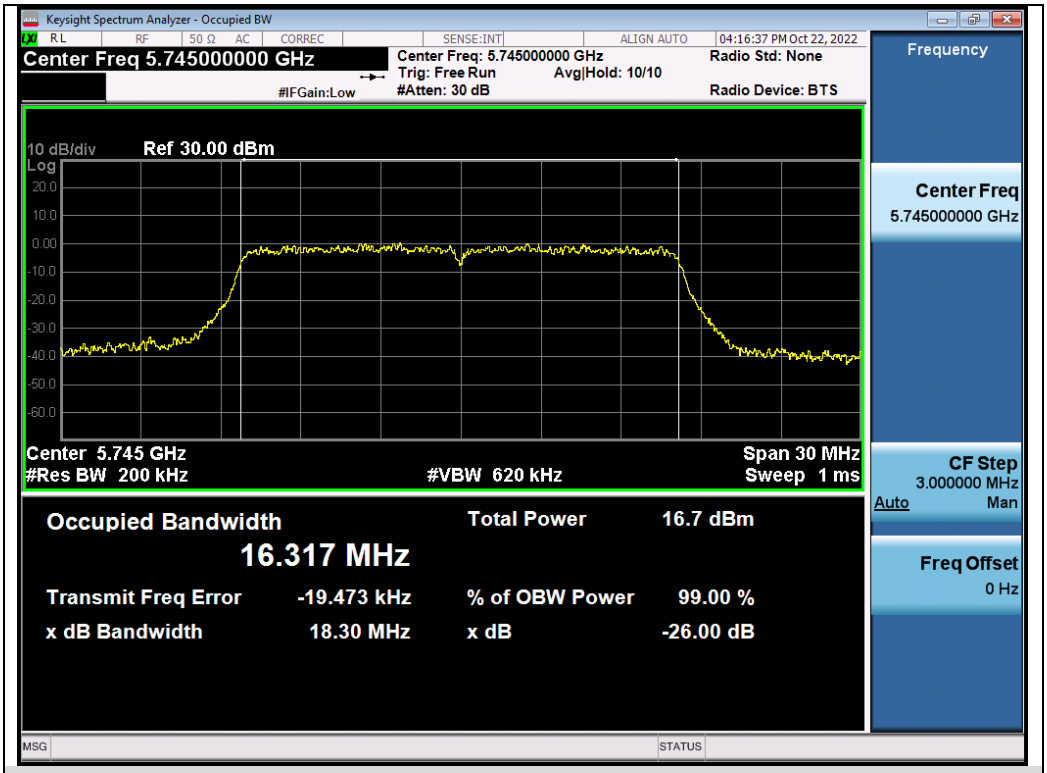
Test_Graph_802.11ac40_ANT1_5755_MCS9_OBW



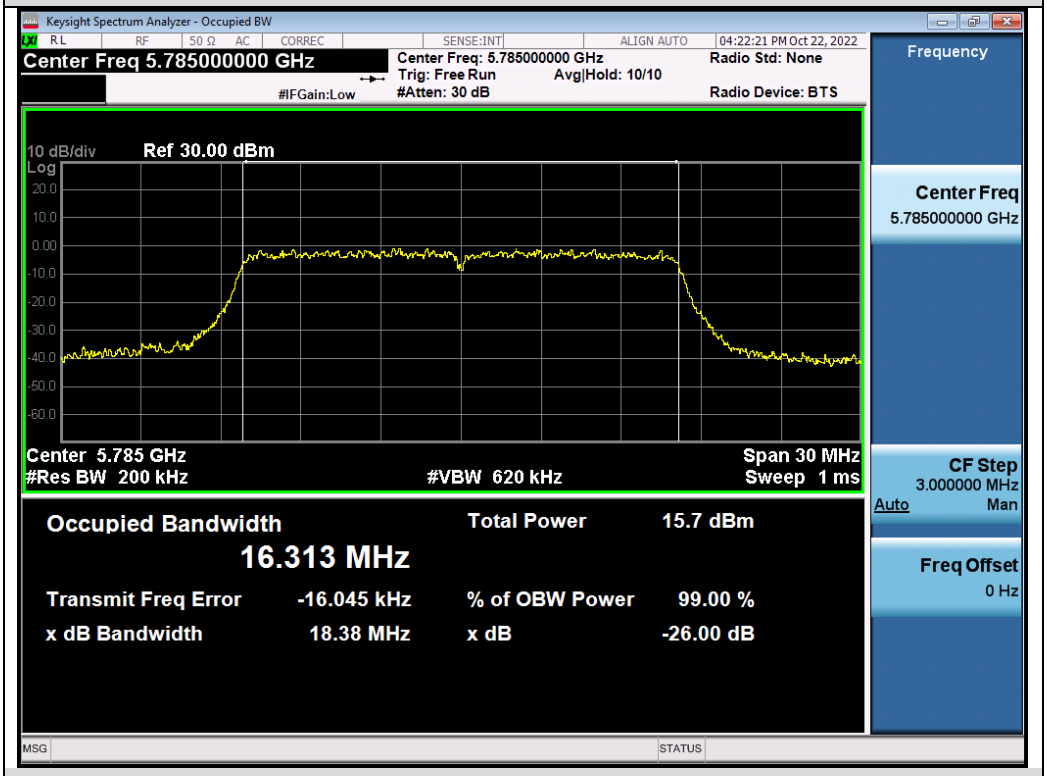
Test_Graph_802.11ac40_ANT1_5795_MCS9_OBW



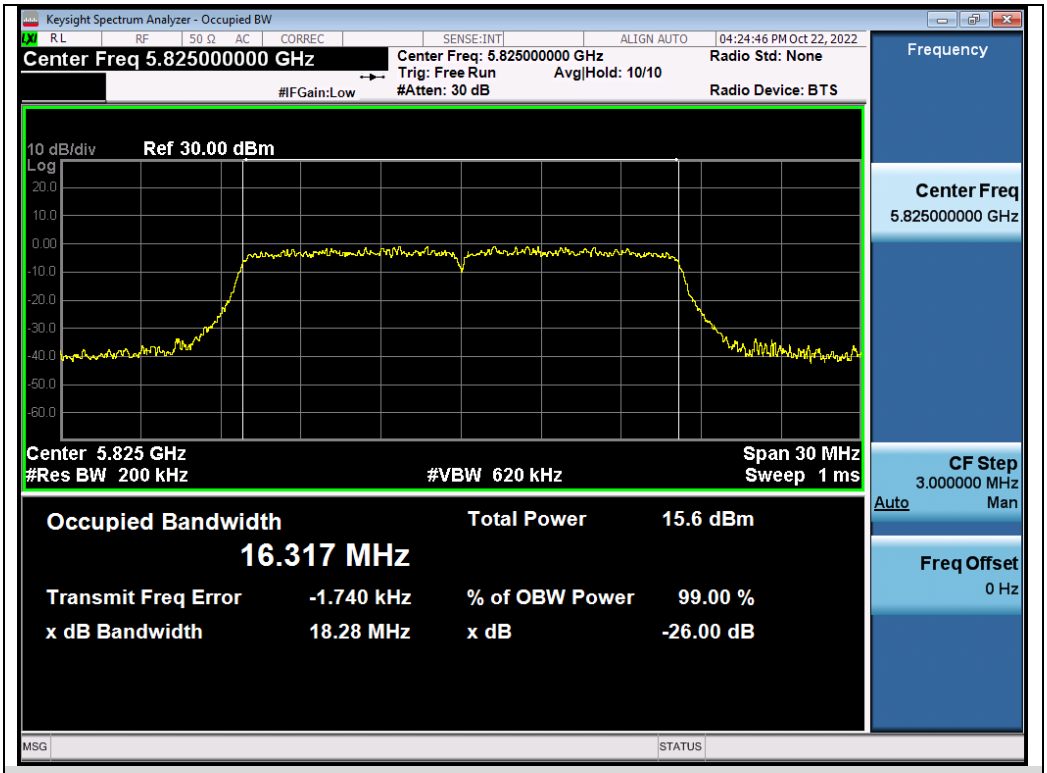
Test_Graph_802.11ac80_ANT1_5775_MCS9_OBW



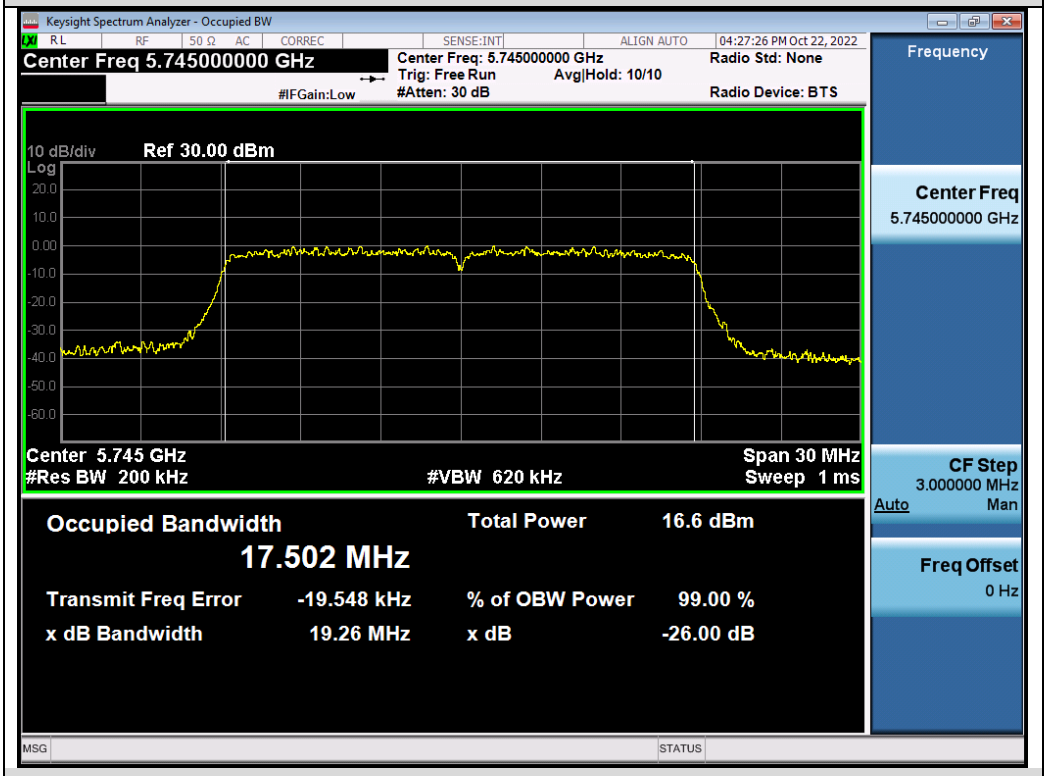
Test_Graph_802.11a_ANT2_5745_6Mbps_OBW



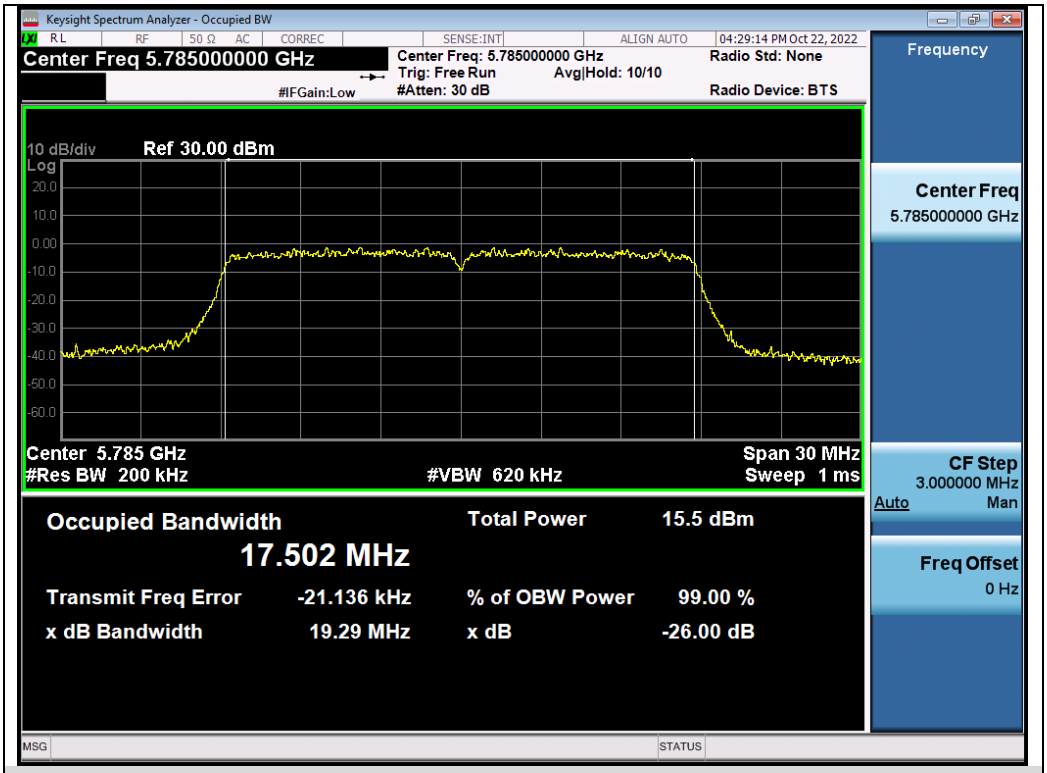
Test_Graph_802.11a_ANT2_5785_6Mbps_OBW



Test_Graph_802.11a_ANT2_5825_6Mbps_OBW



Test_Graph_802.11n20_ANT2_5745_MCS0_OBW



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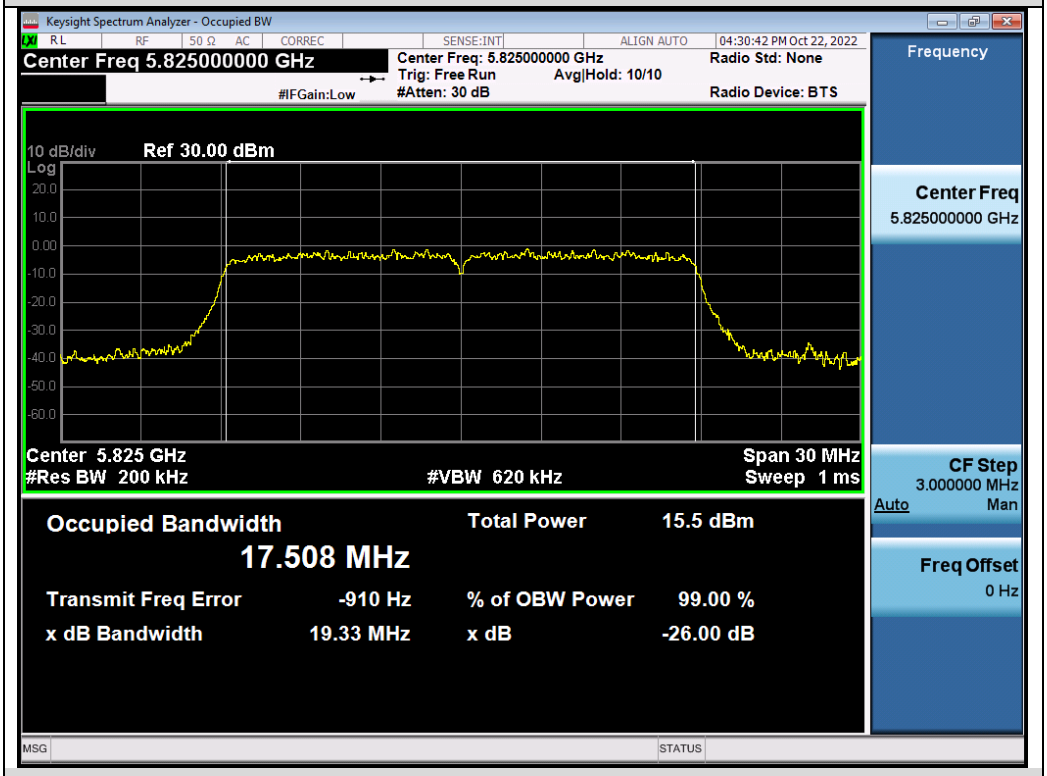

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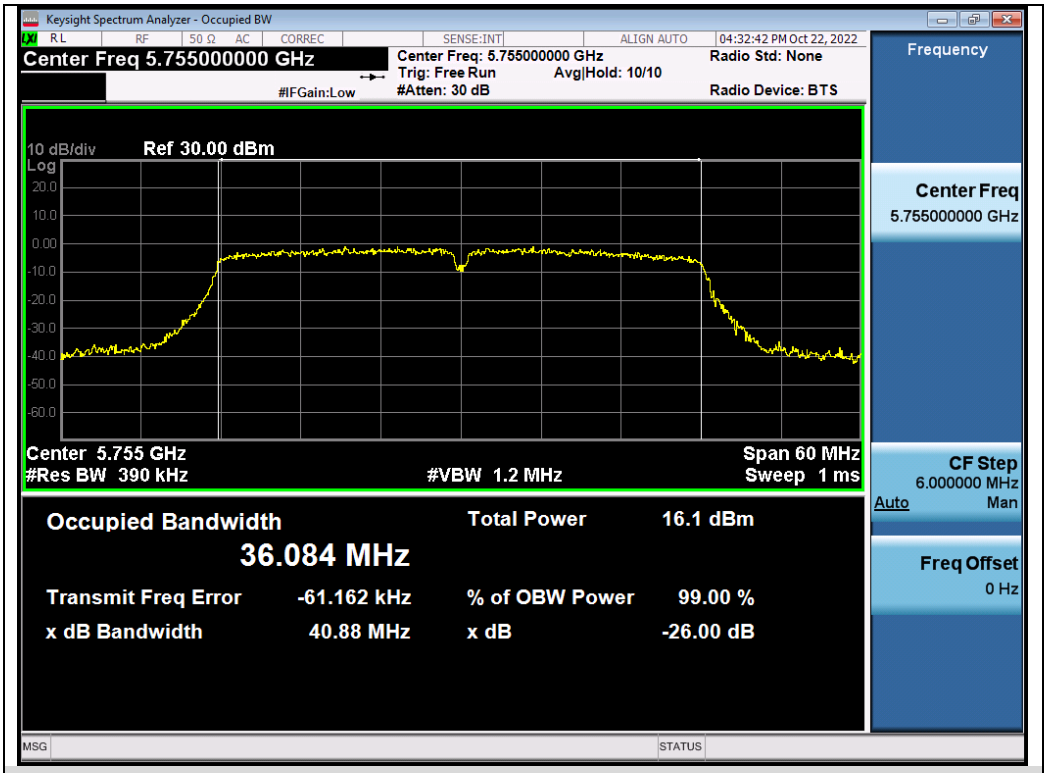
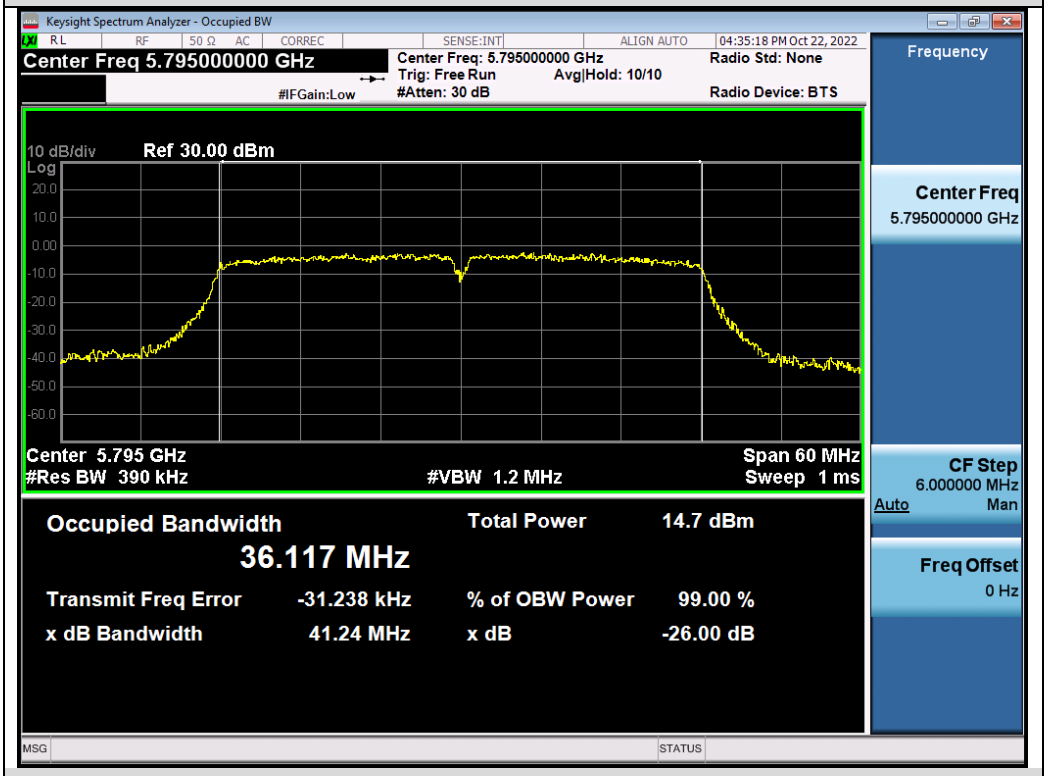
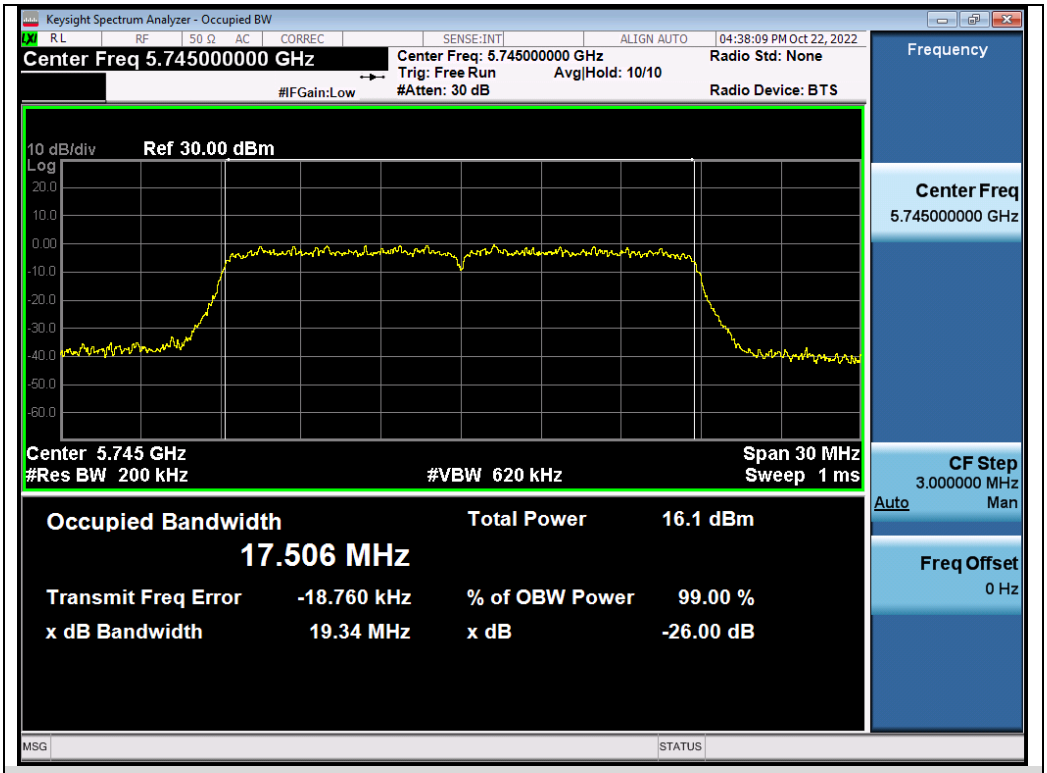


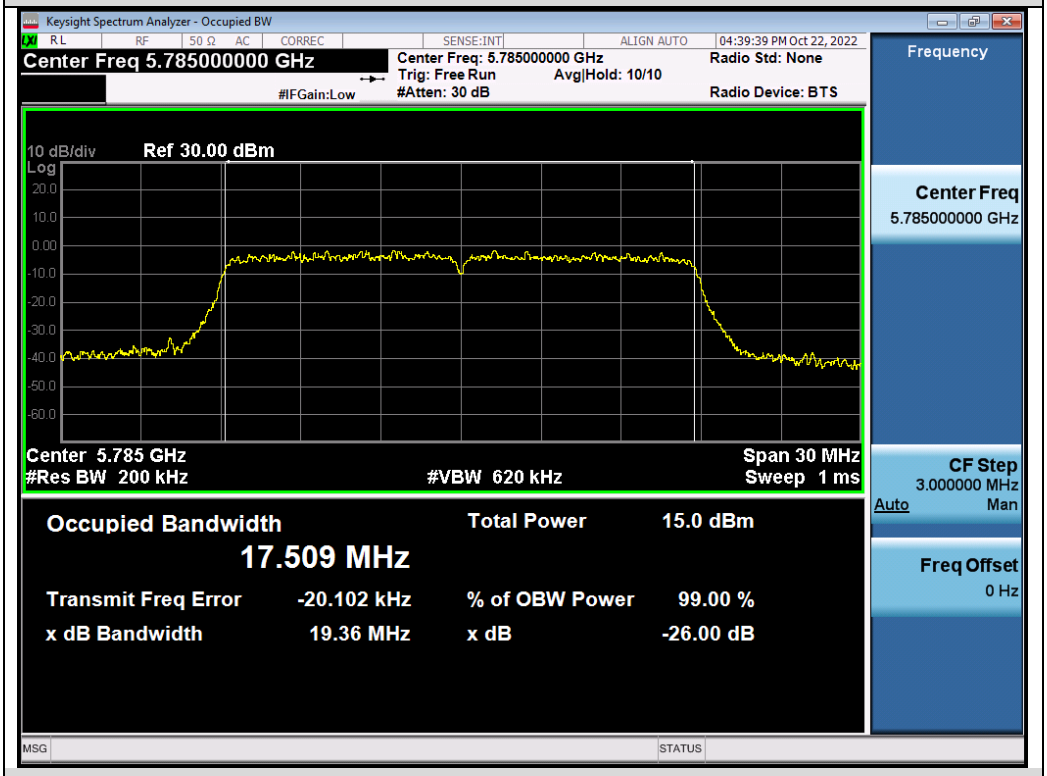
Test_Graph_802.11n40_ANT2_5755_MCS0_OBW



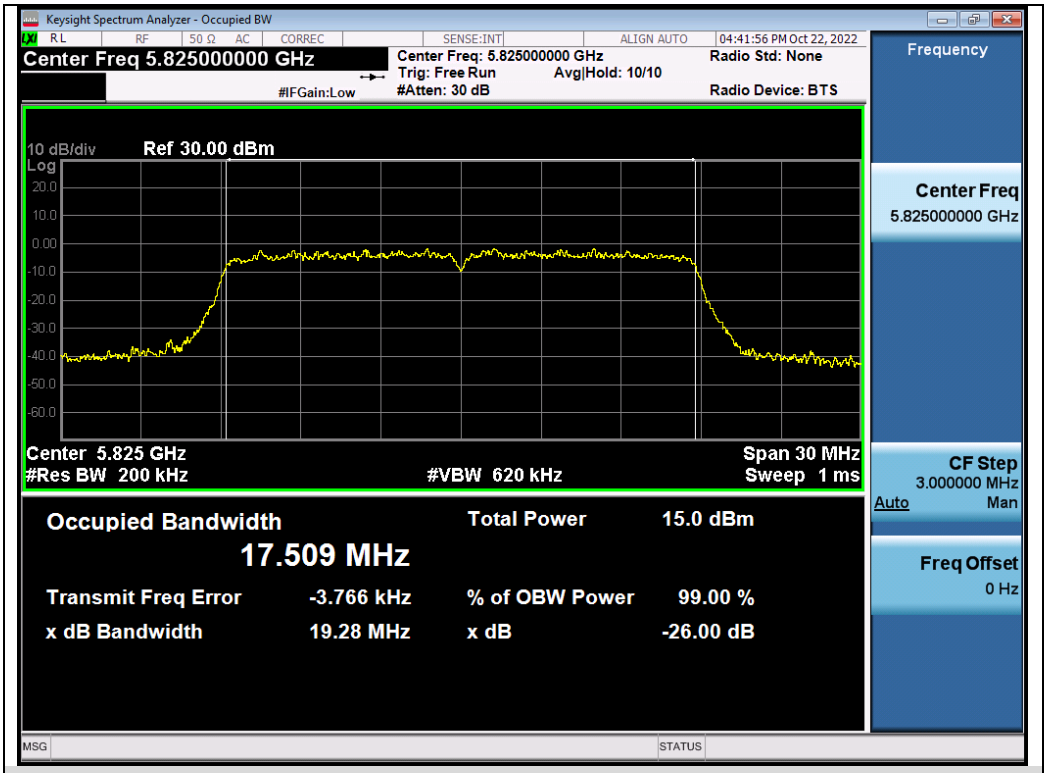
Test_Graph_802.11n40_ANT2_5795_MCS0_OBW



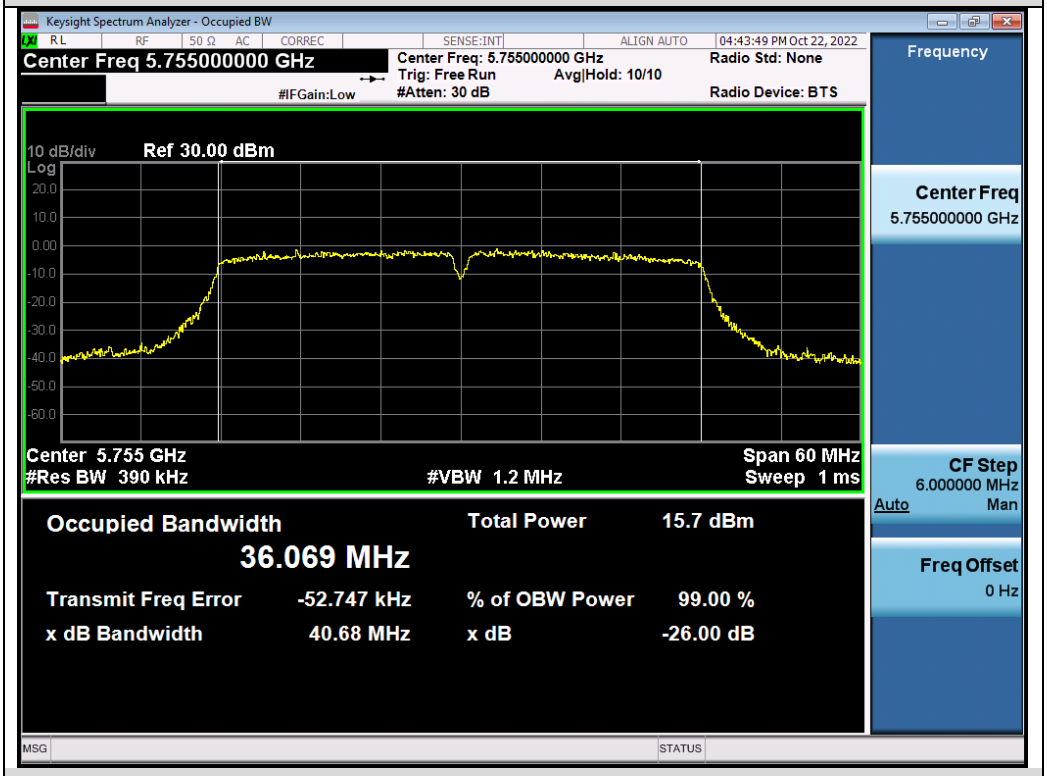
Test_Graph_802.11ac20_ANT2_5745_MCS0_OBW



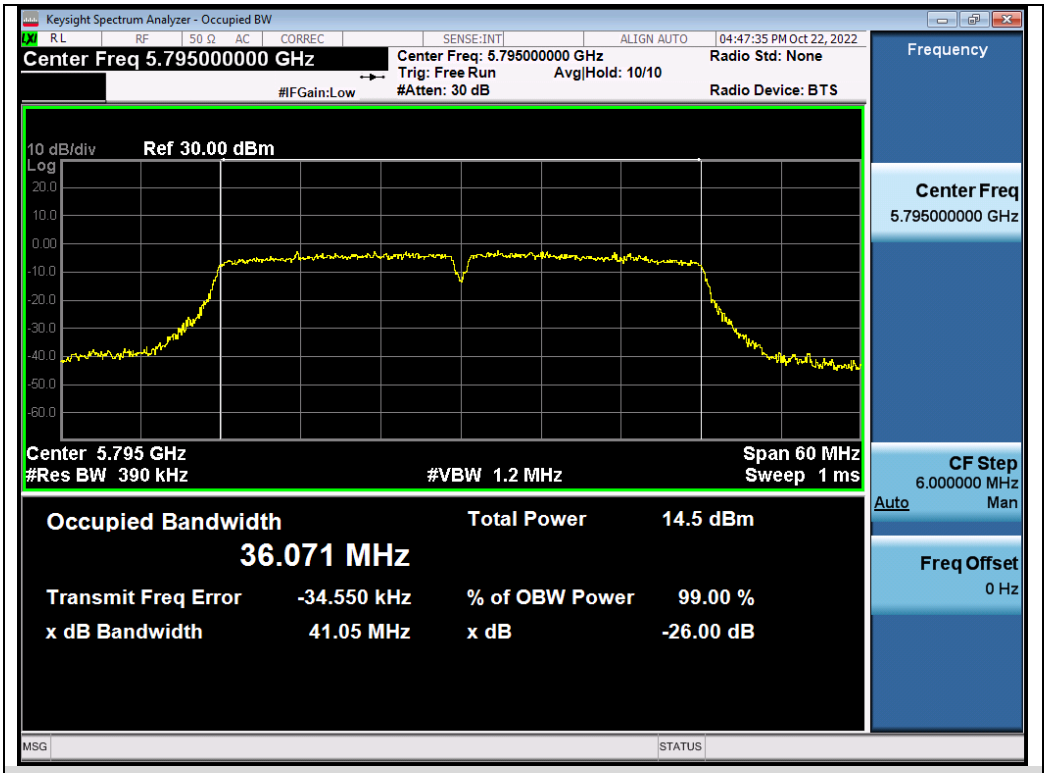
Test_Graph_802.11ac20_ANT2_5785_MCS0_OBW



Test_Graph_802.11ac20_ANT2_5825_MCS9_OBW



Test_Graph_802.11ac40_ANT2_5755_MCS9_OBW



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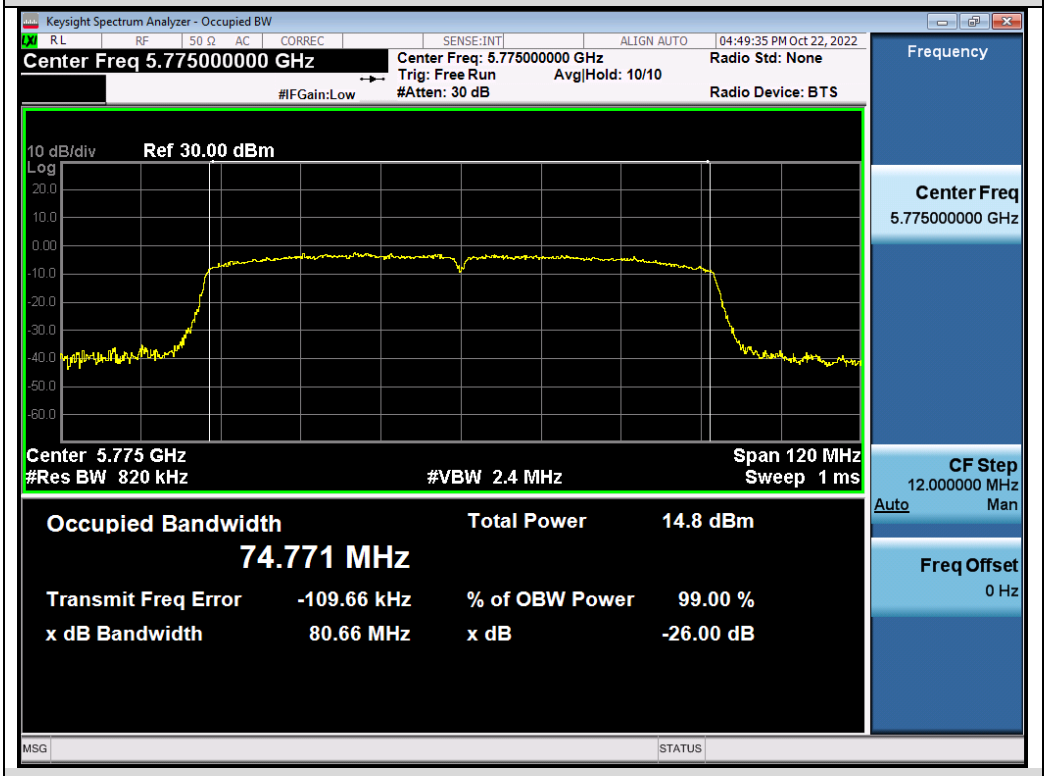
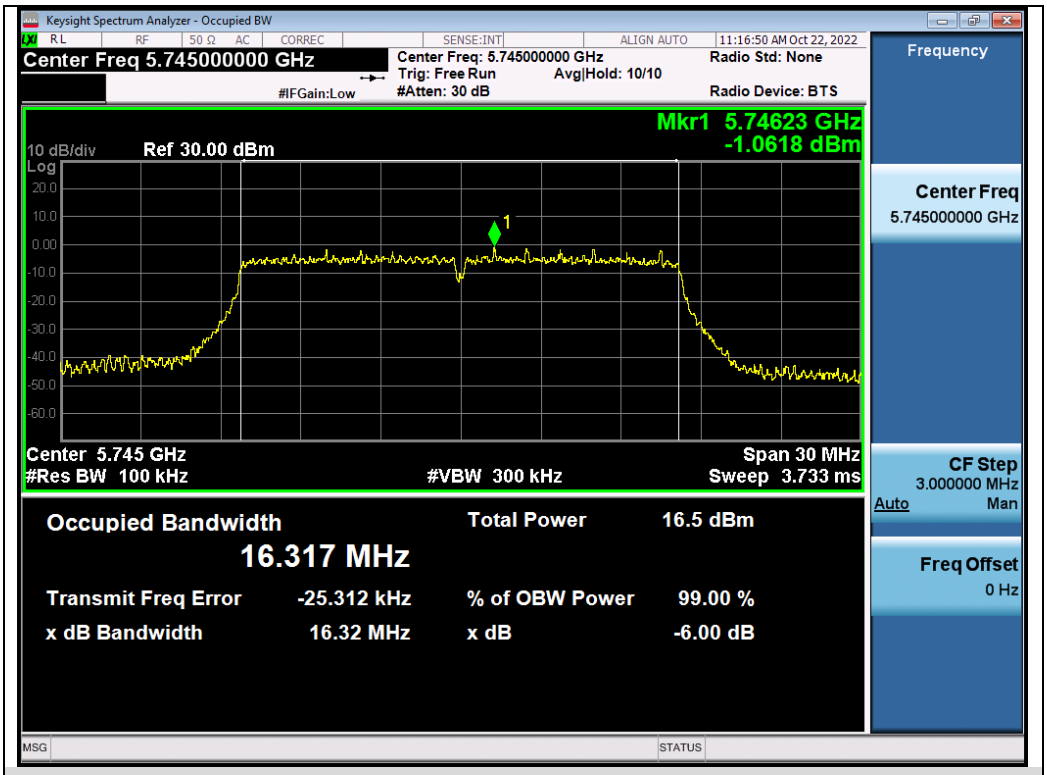
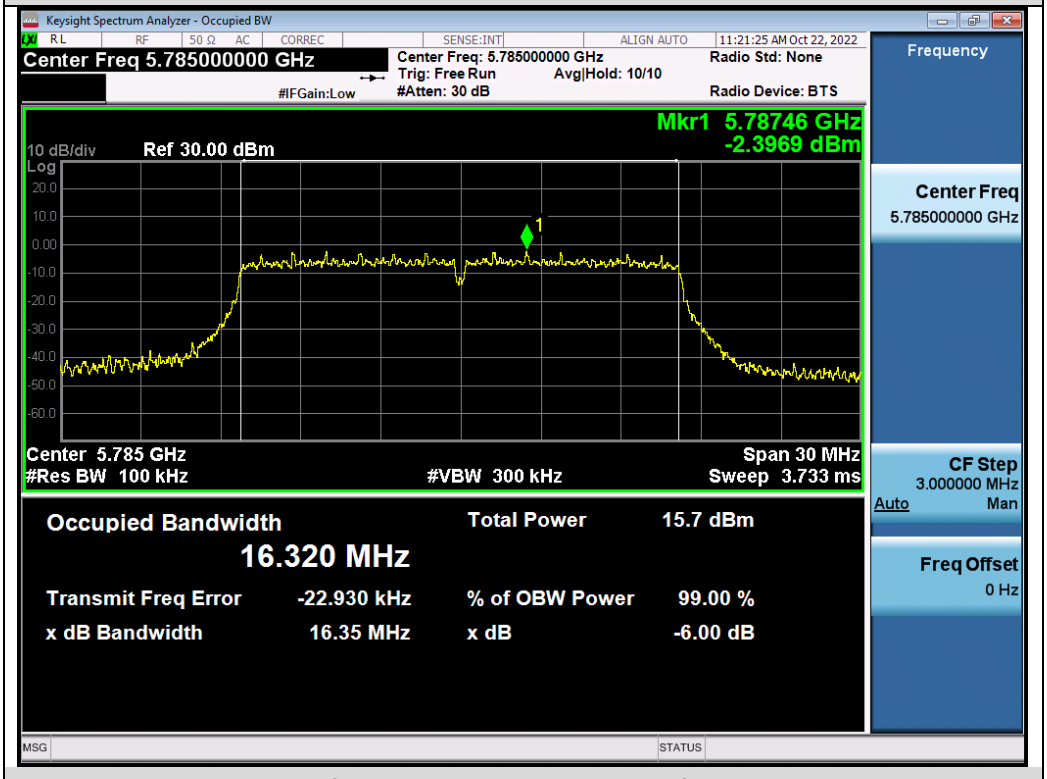


Test_Graph_802.11ac80_ANT2_5775_MCS9_OBW

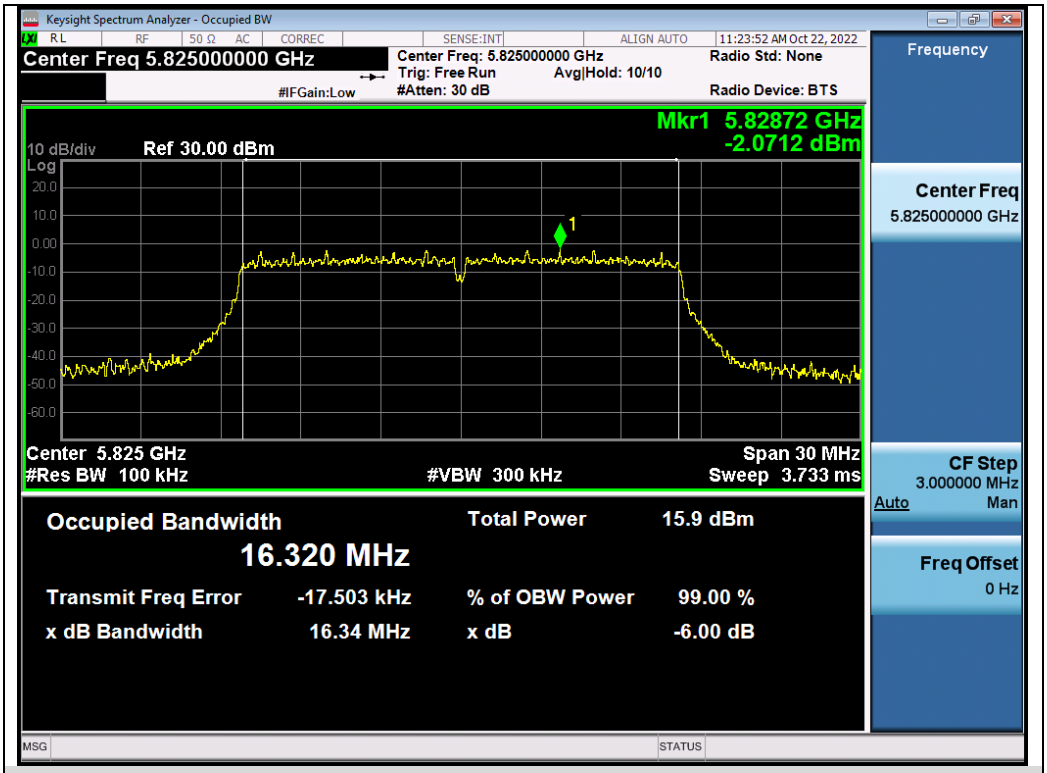
Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz



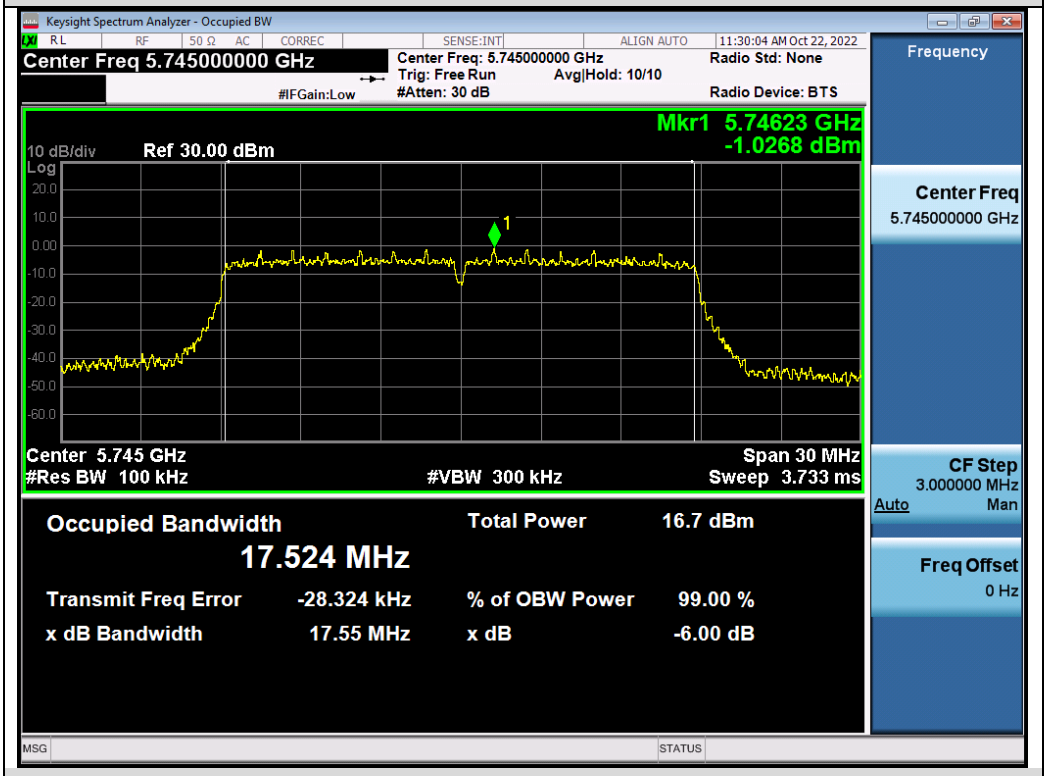
Test_Graph_802.11a_ANT1_5745_6Mbps_DTSBW



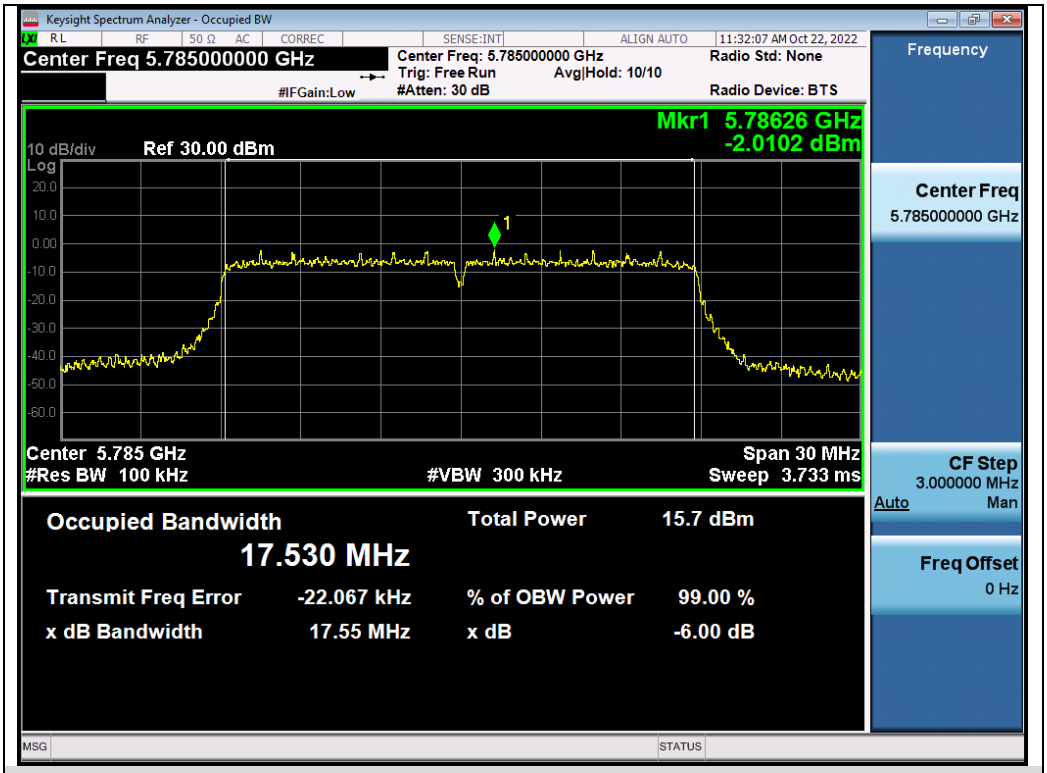
Test_Graph_802.11a_ANT1_5785_6Mbps_DTSBW



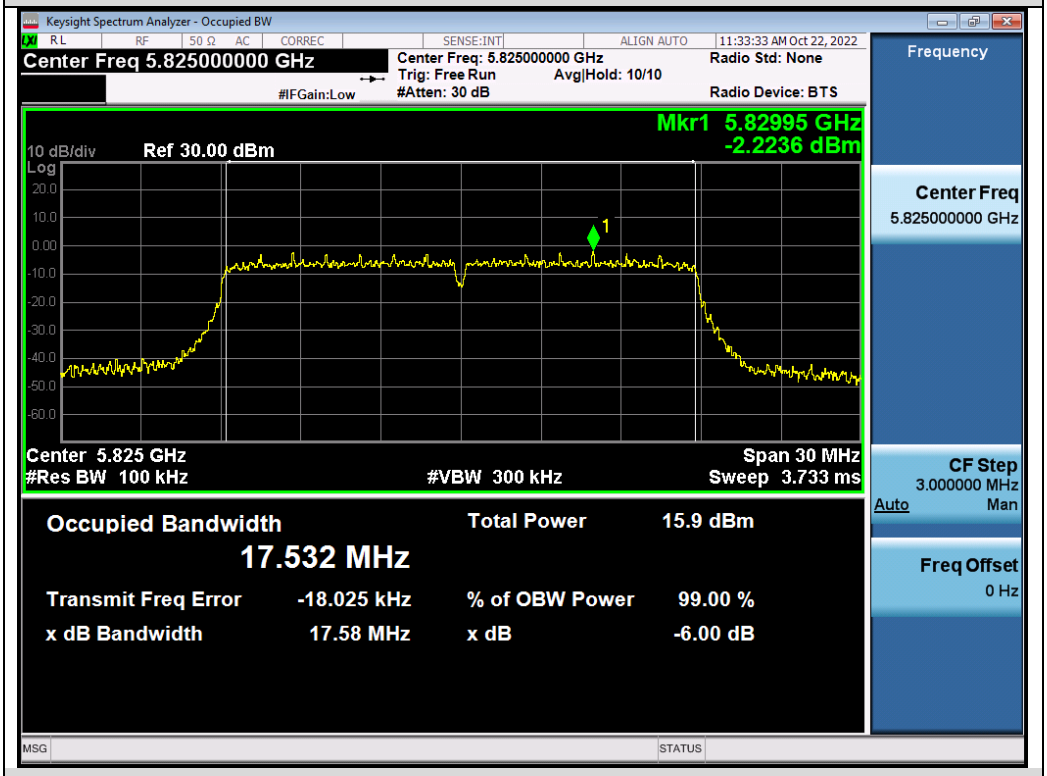
Test_Graph_802.11a_ANT1_5825_6Mbps_DTSBW



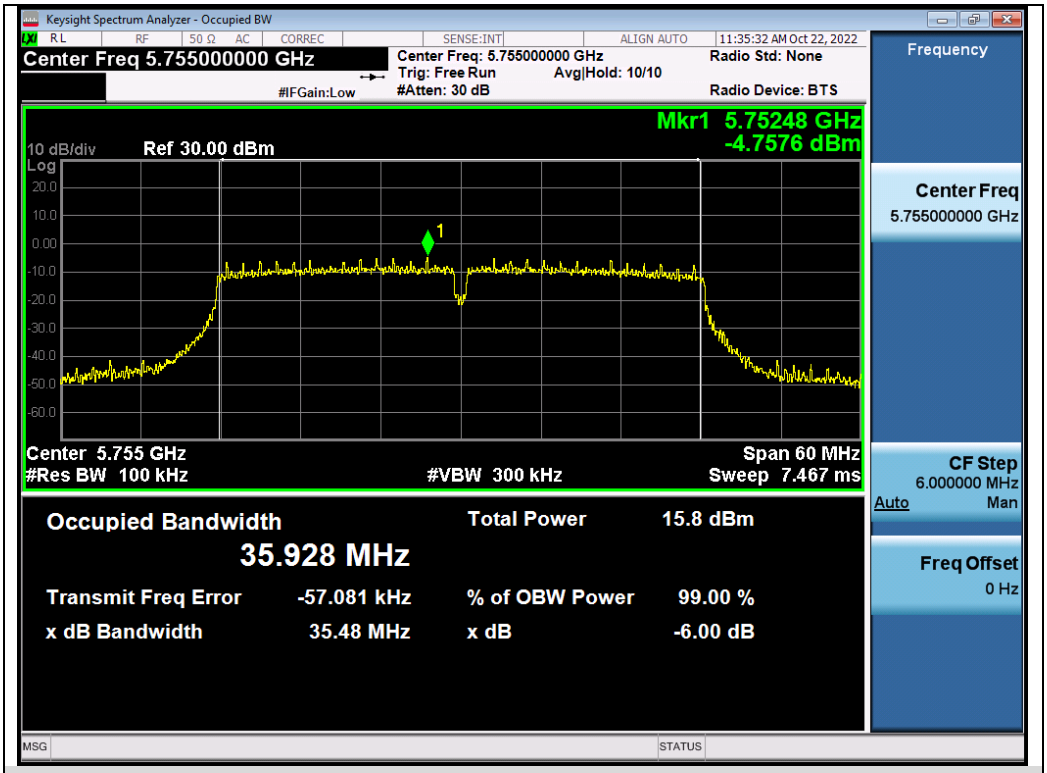
Test_Graph_802.11n20_ANT1_5745_MCS0_DTSBW



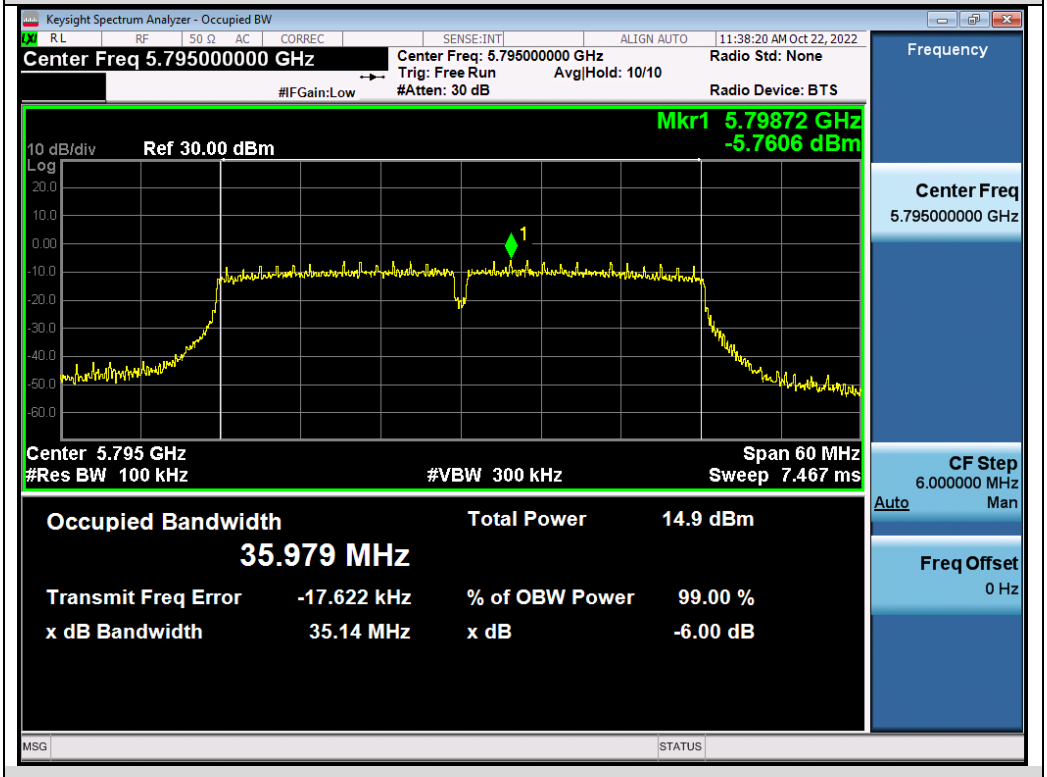
Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW



Test_Graph_802.11n20_ANT1_5825_MCS0_DTSBW



Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW



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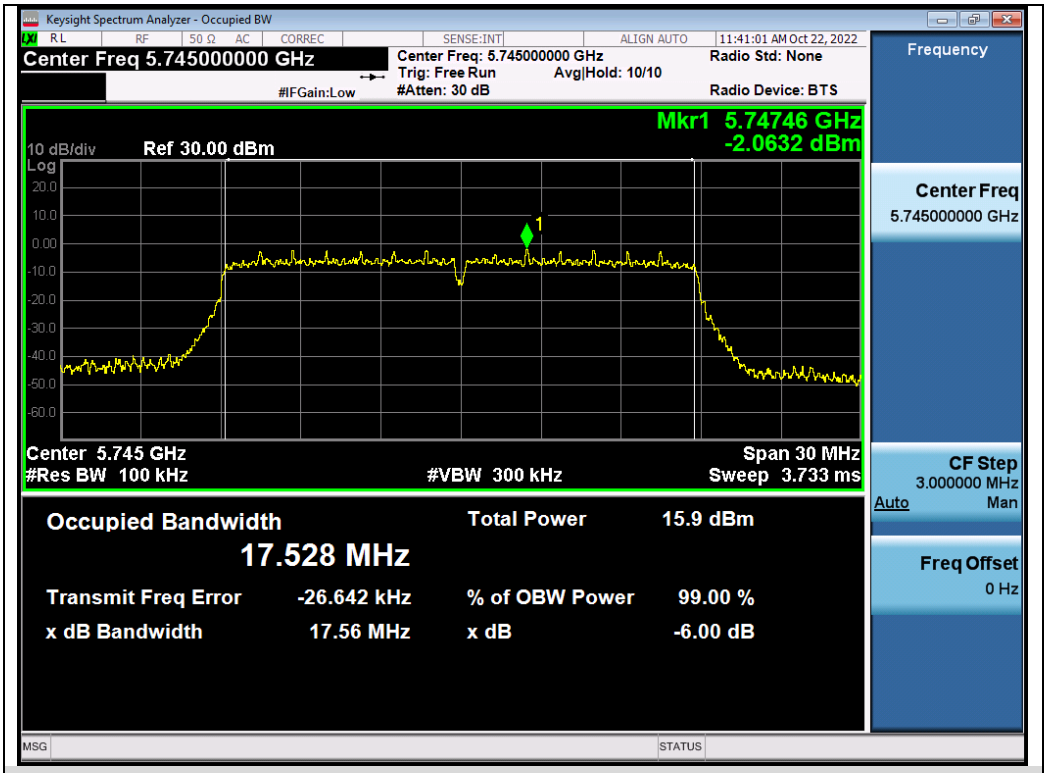
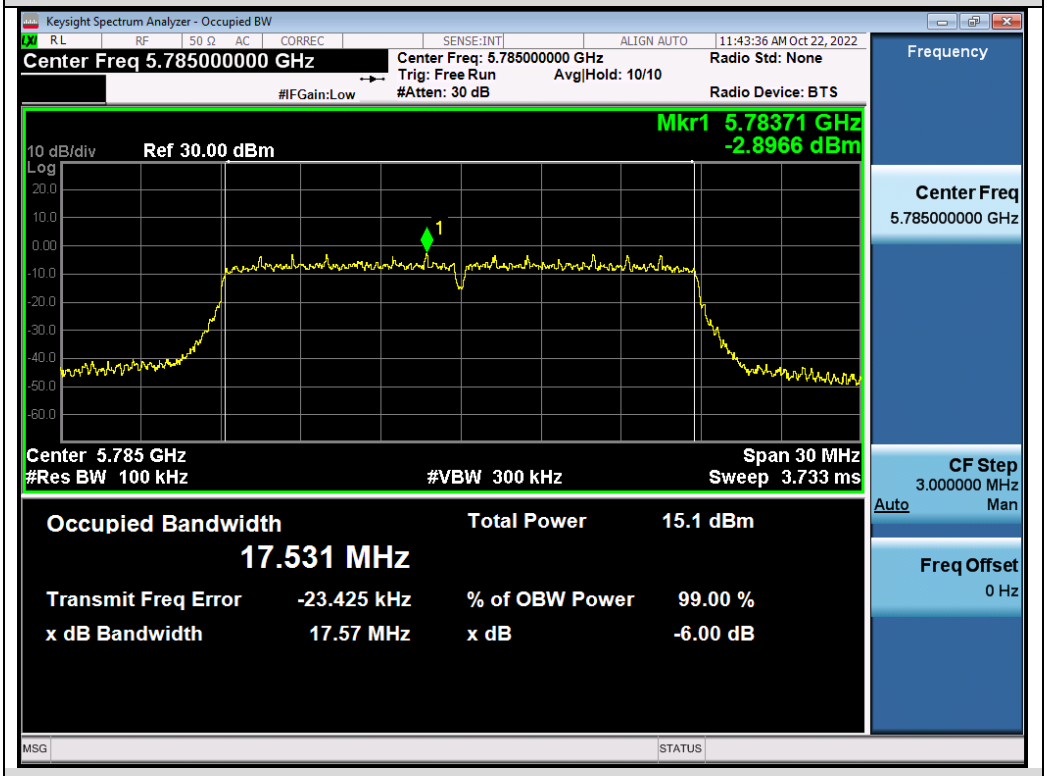
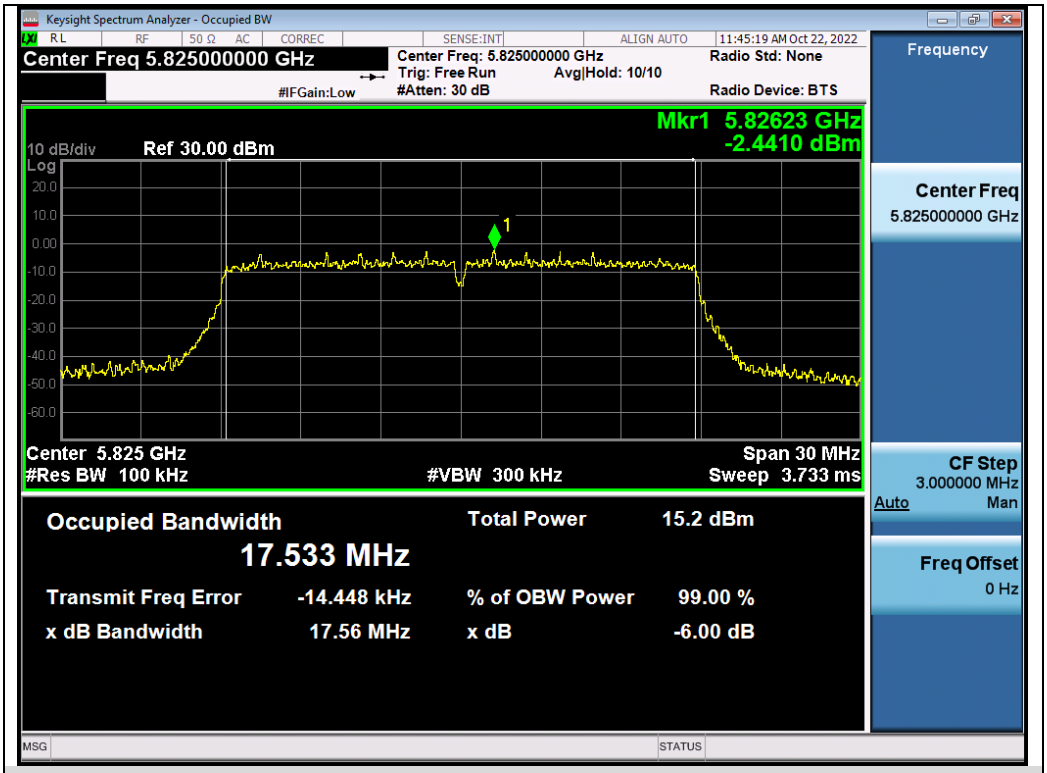


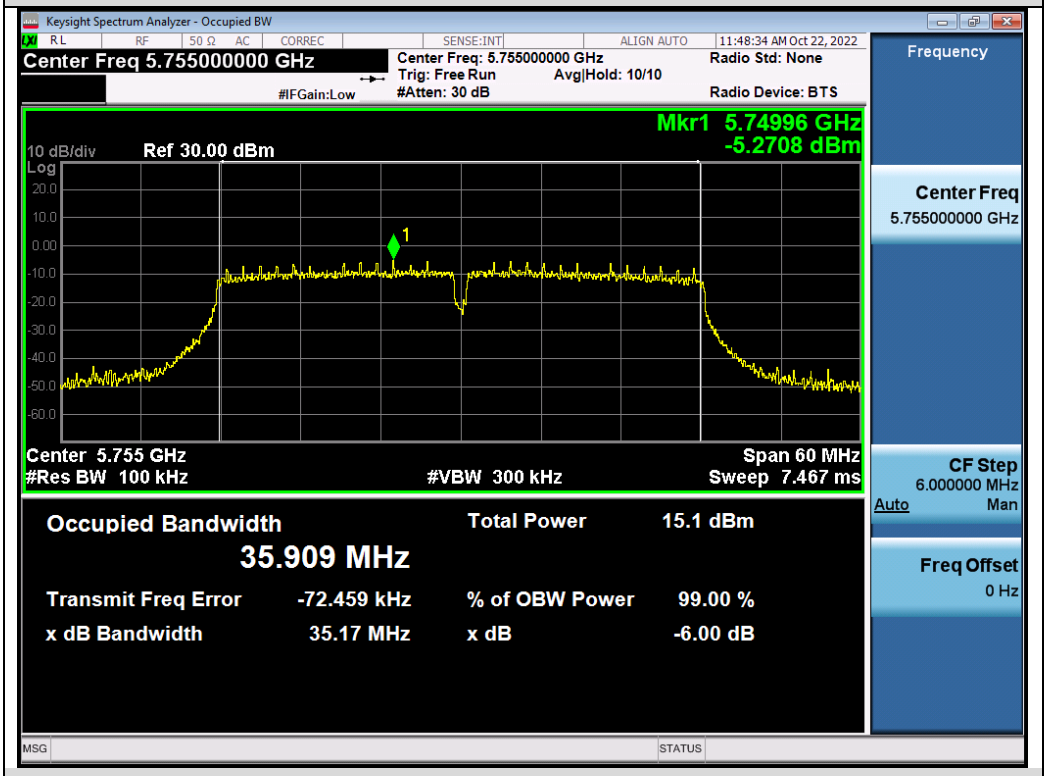
Test_Graph_802.11ac20_ANT1_5745_MCS0_DTSBW



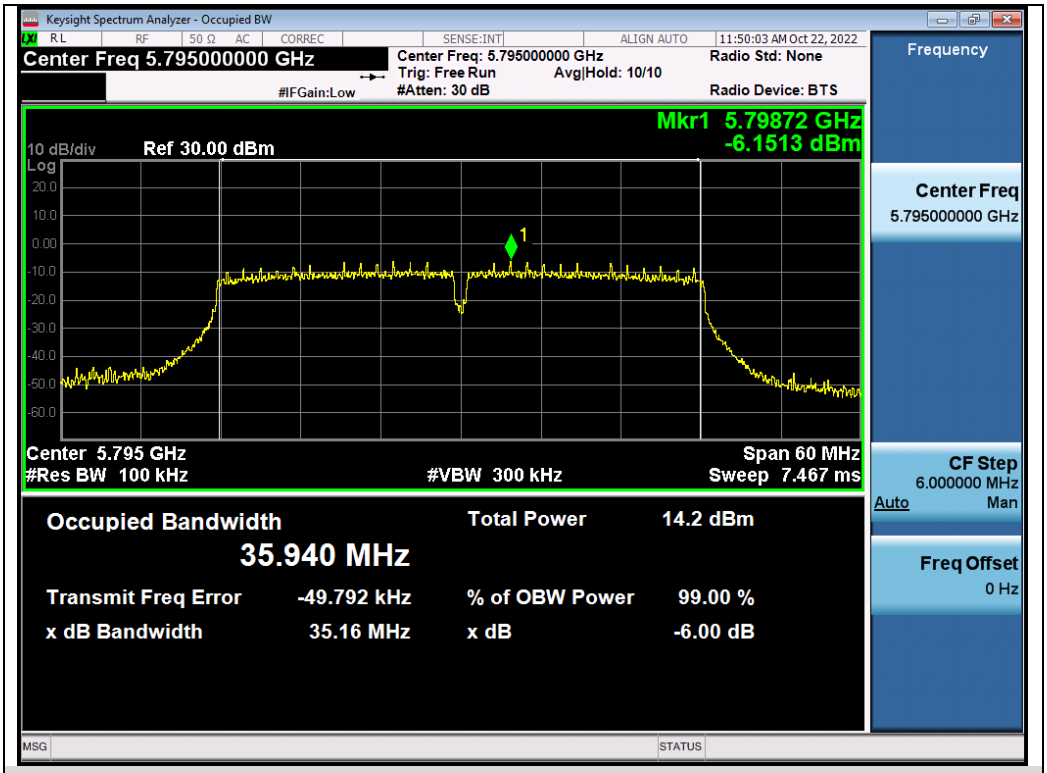
Test_Graph_802.11ac20_ANT1_5785_MCS0_DTSBW



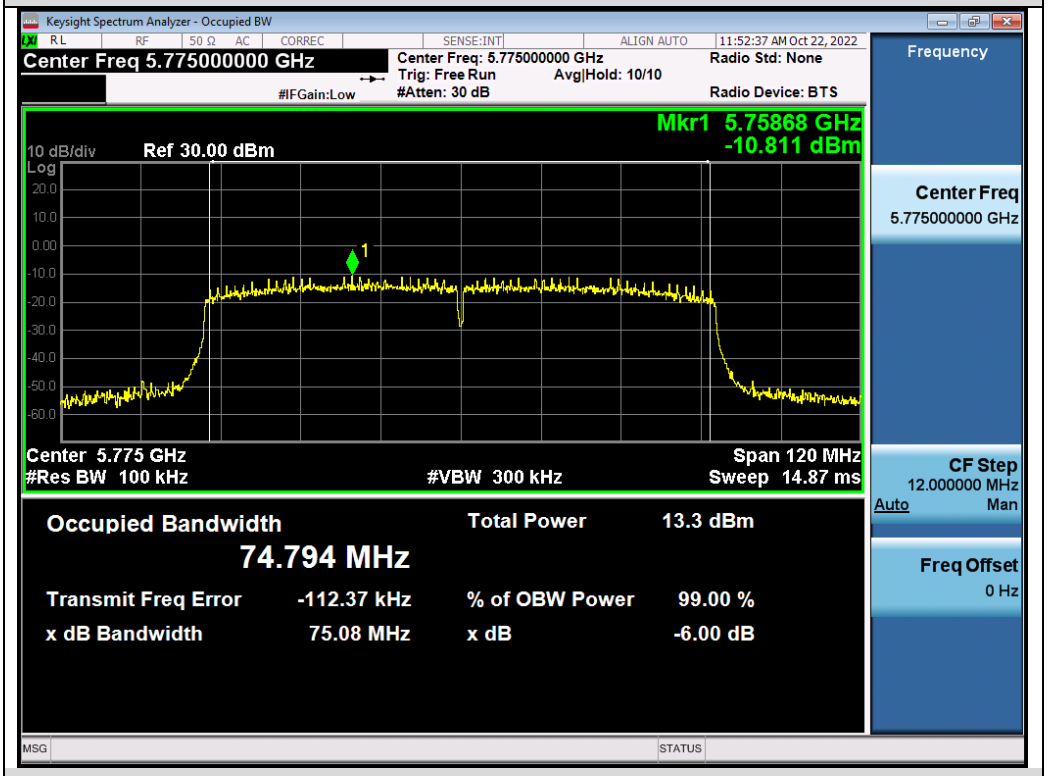
Test_Graph_802.11ac20_ANT1_5825_MCS9_DTSBW



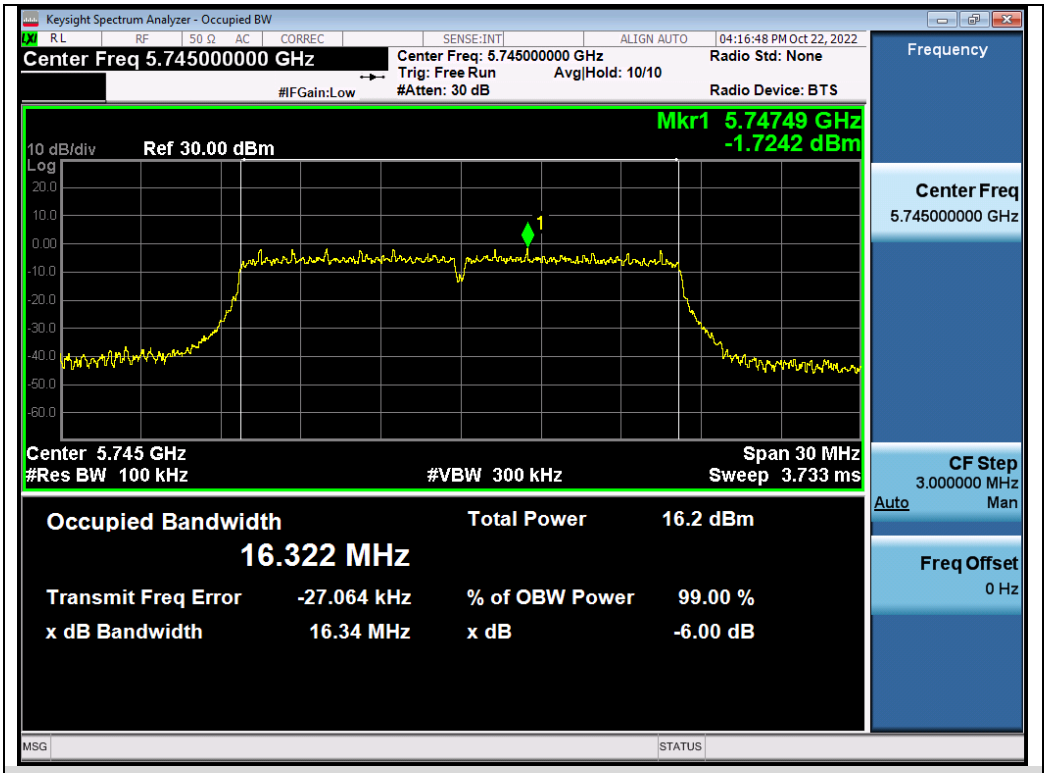
Test_Graph_802.11ac40_ANT1_5755_MCS9_DTSBW



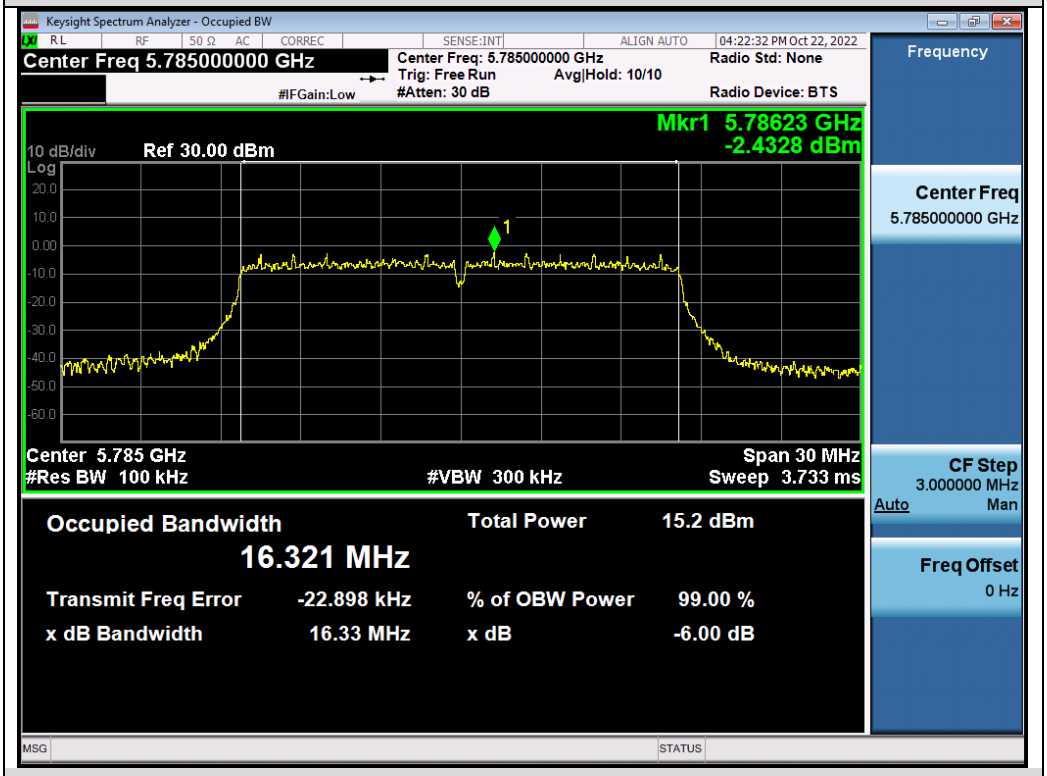
Test_Graph_802.11ac40_ANT1_5795_MCS9_DTSBW



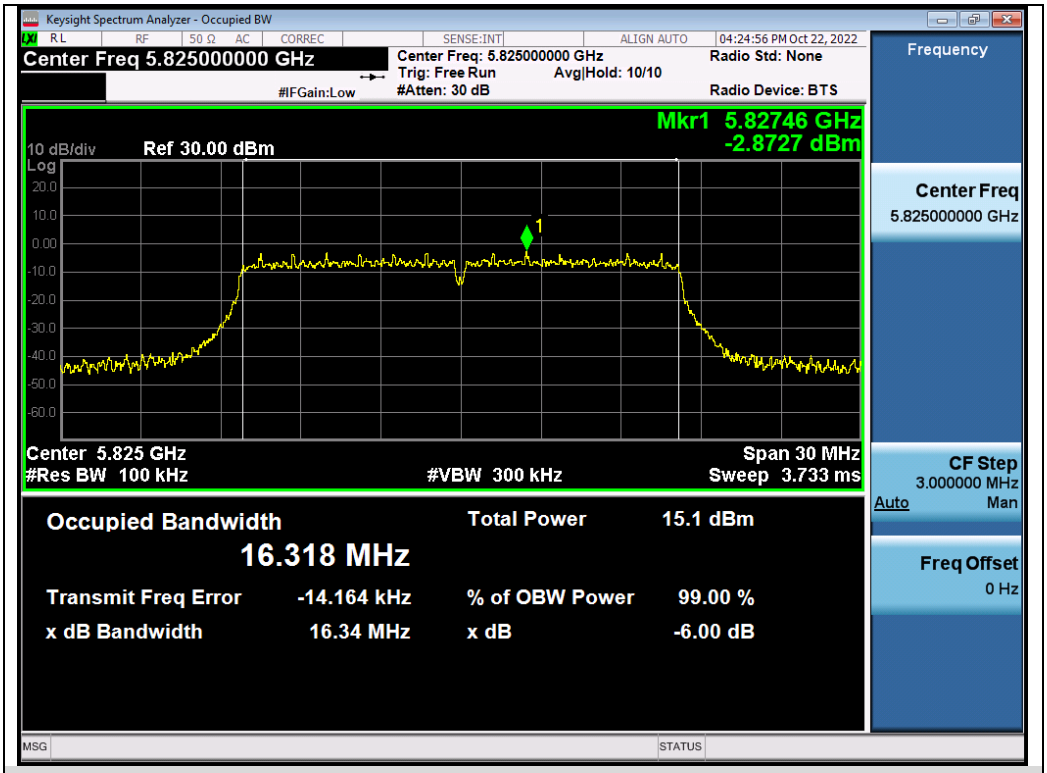
Test_Graph_802.11ac80_ANT1_5775_MCS9_DTSBW



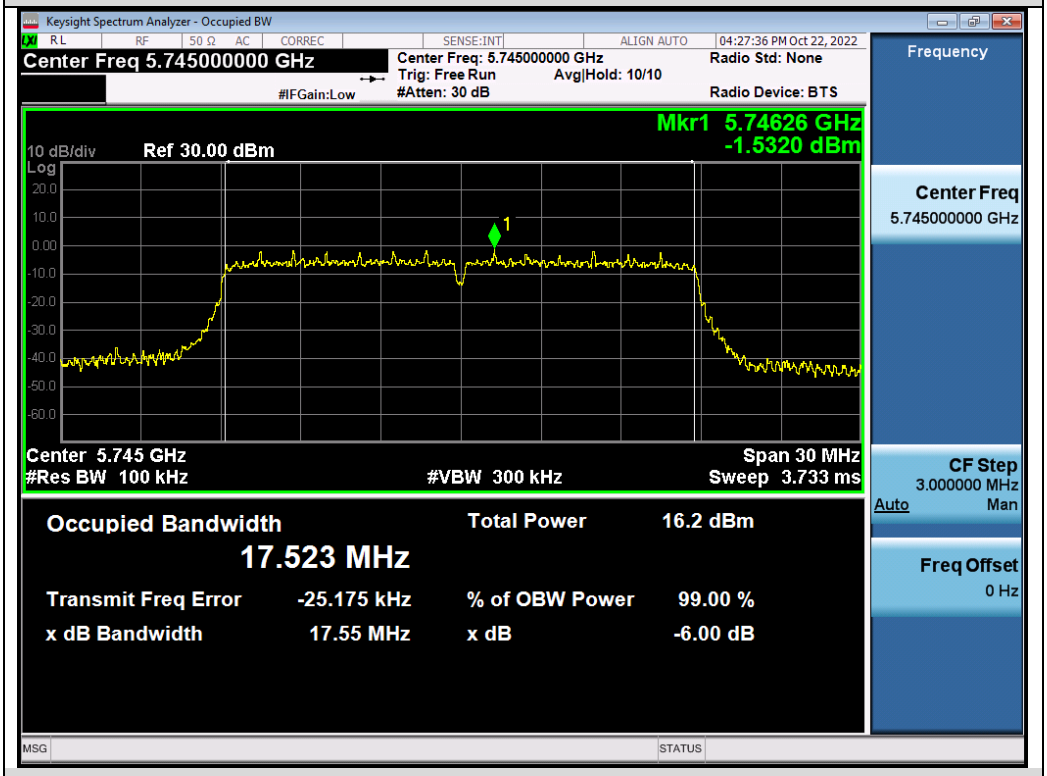
Test_Graph_802.11a_ANT2_5745_6Mbps_DTSBW



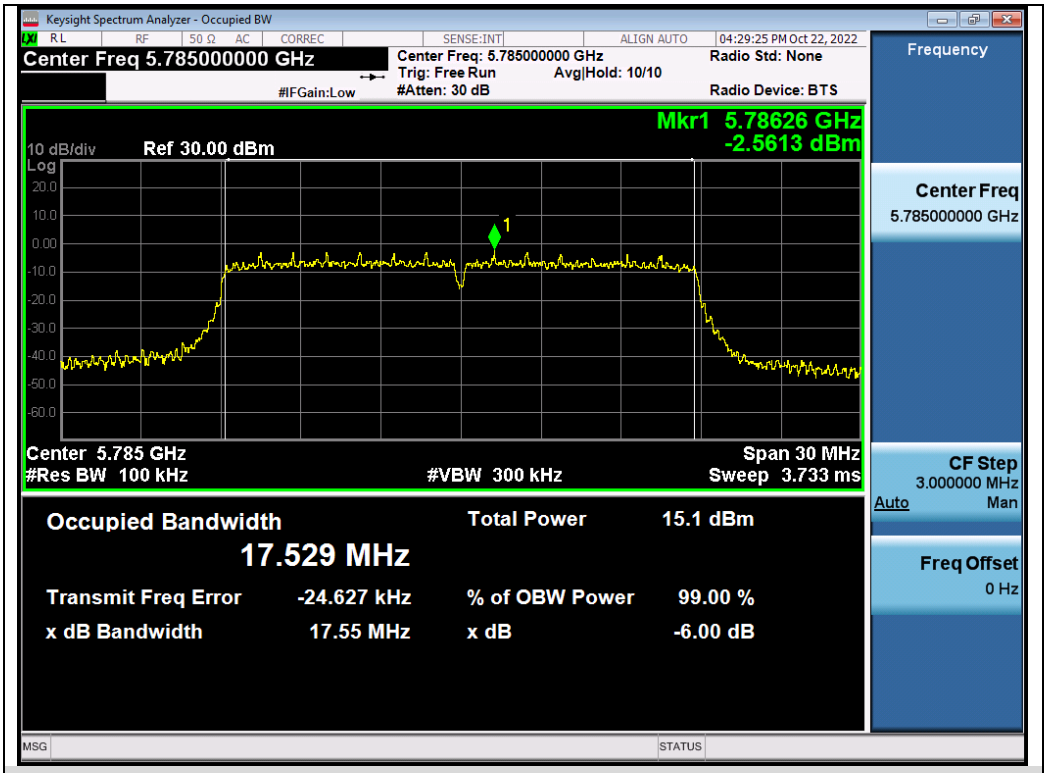
Test_Graph_802.11a_ANT2_5785_6Mbps_DTSBW



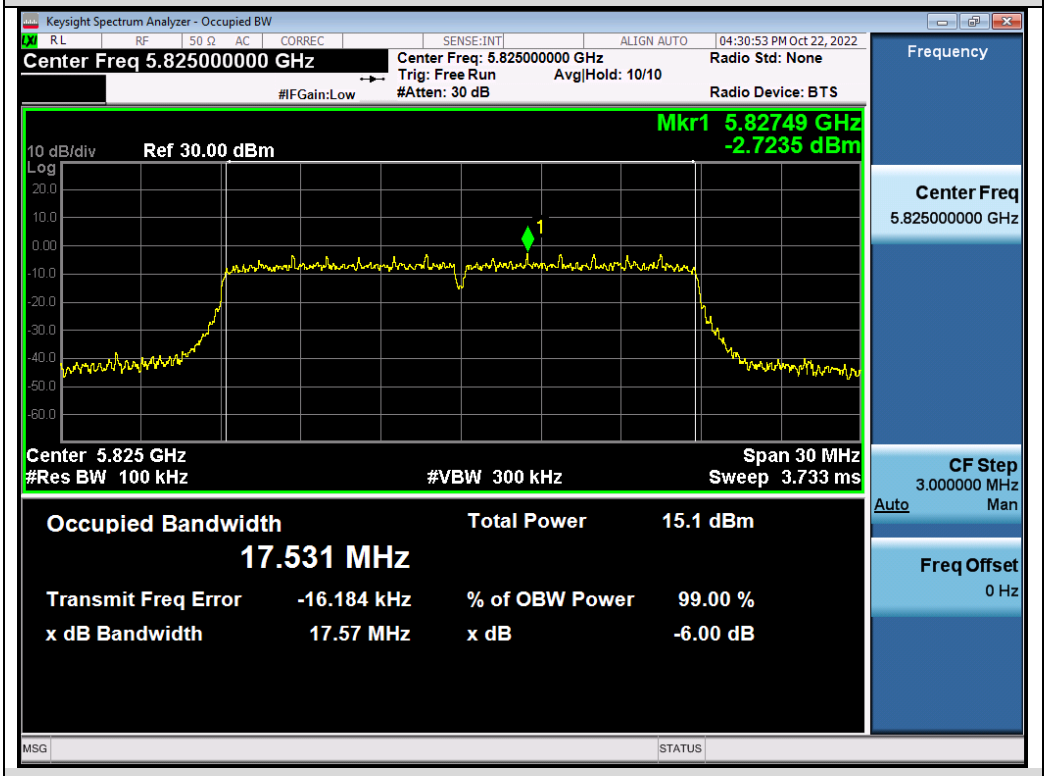
Test_Graph_802.11a_ANT2_5825_6Mbps_DTSBW



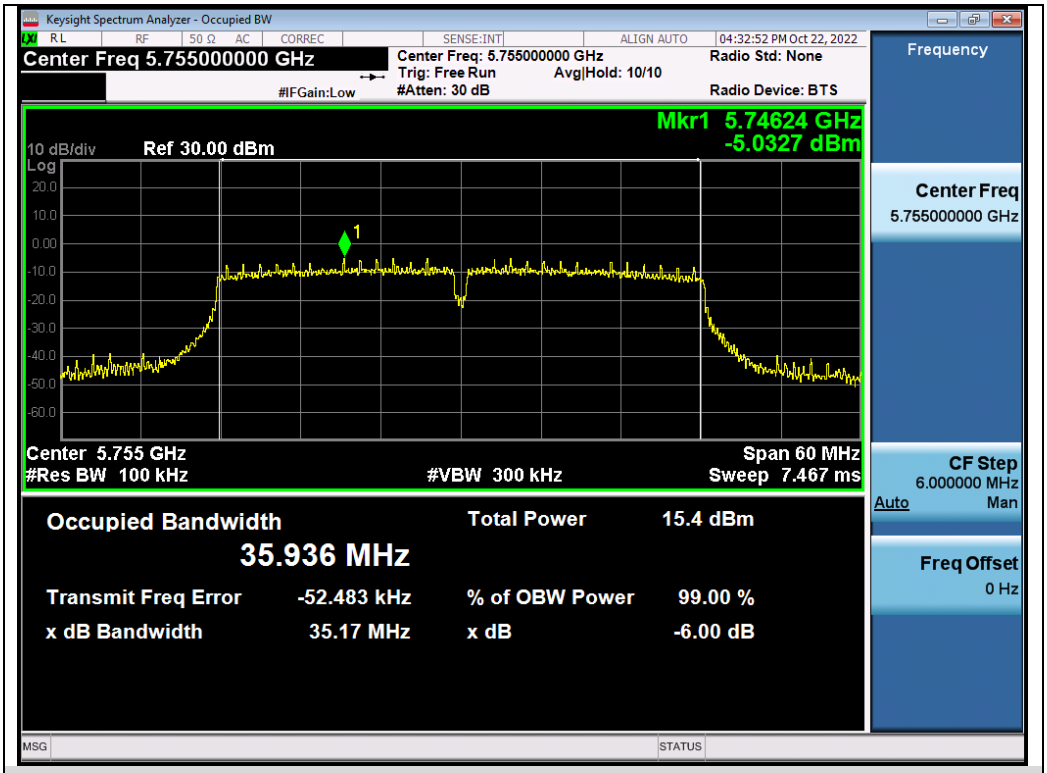
Test_Graph_802.11n20_ANT2_5745_MCS0_DTSBW



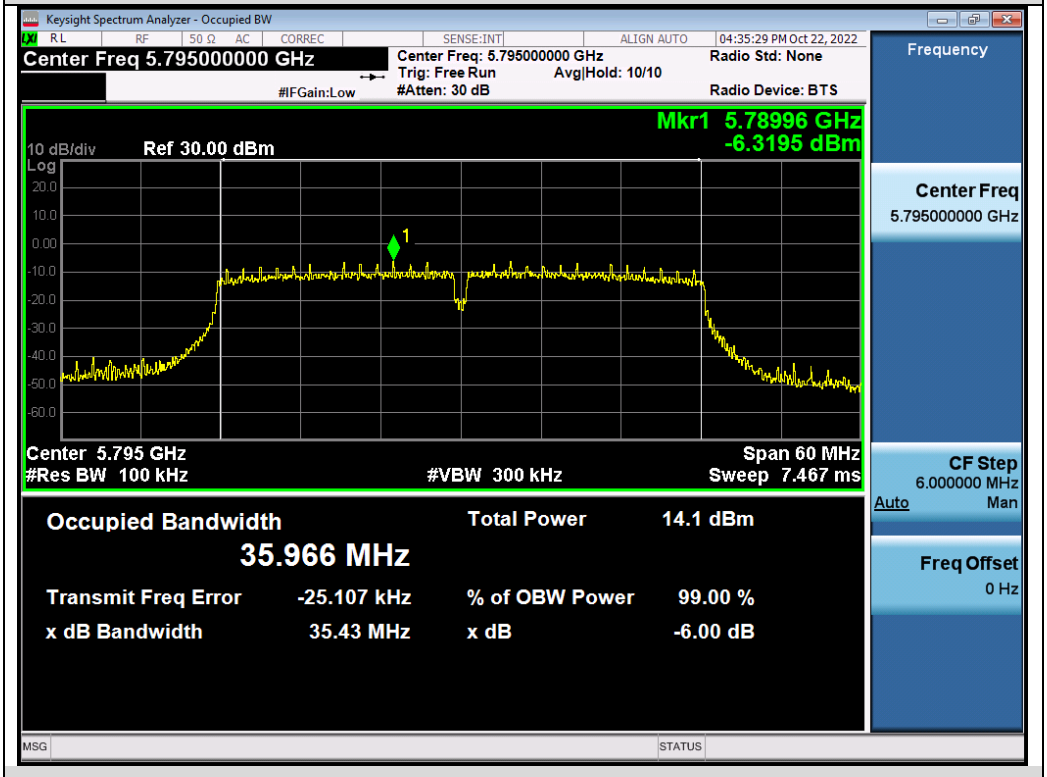
Test_Graph_802.11n20_ANT2_5785_MCS0_DTSBW



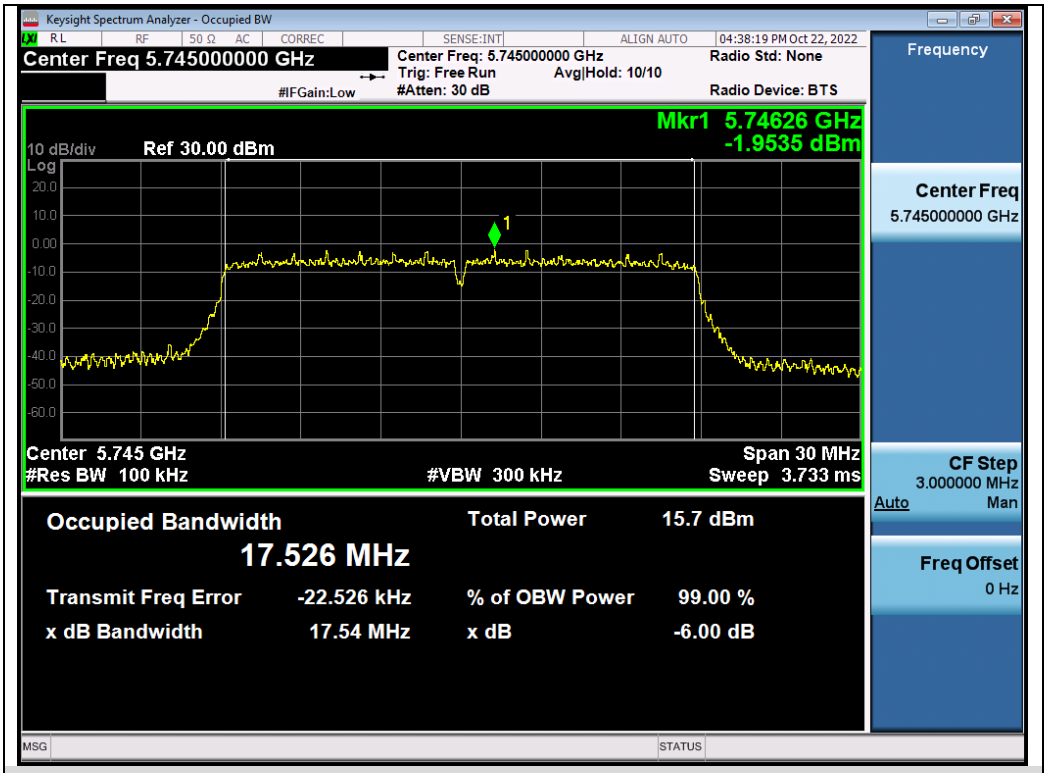
Test_Graph_802.11n20_ANT2_5825_MCS0_DTSBW



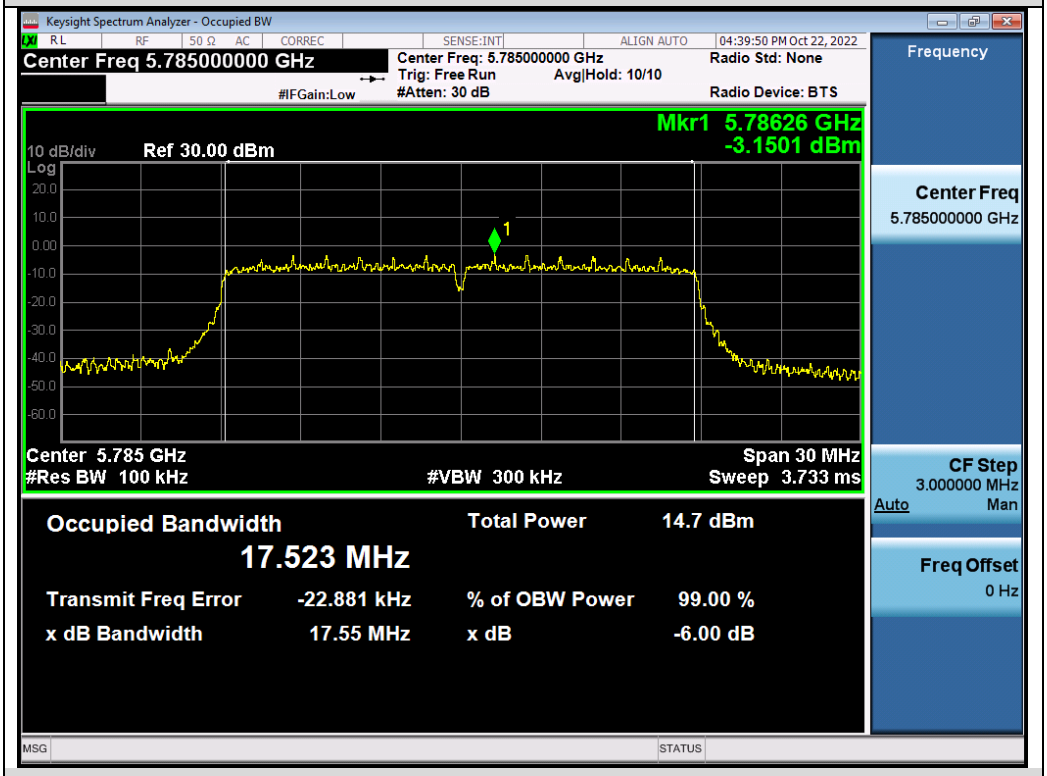
Test_Graph_802.11n40_ANT2_5755_MCS0_DTSBW



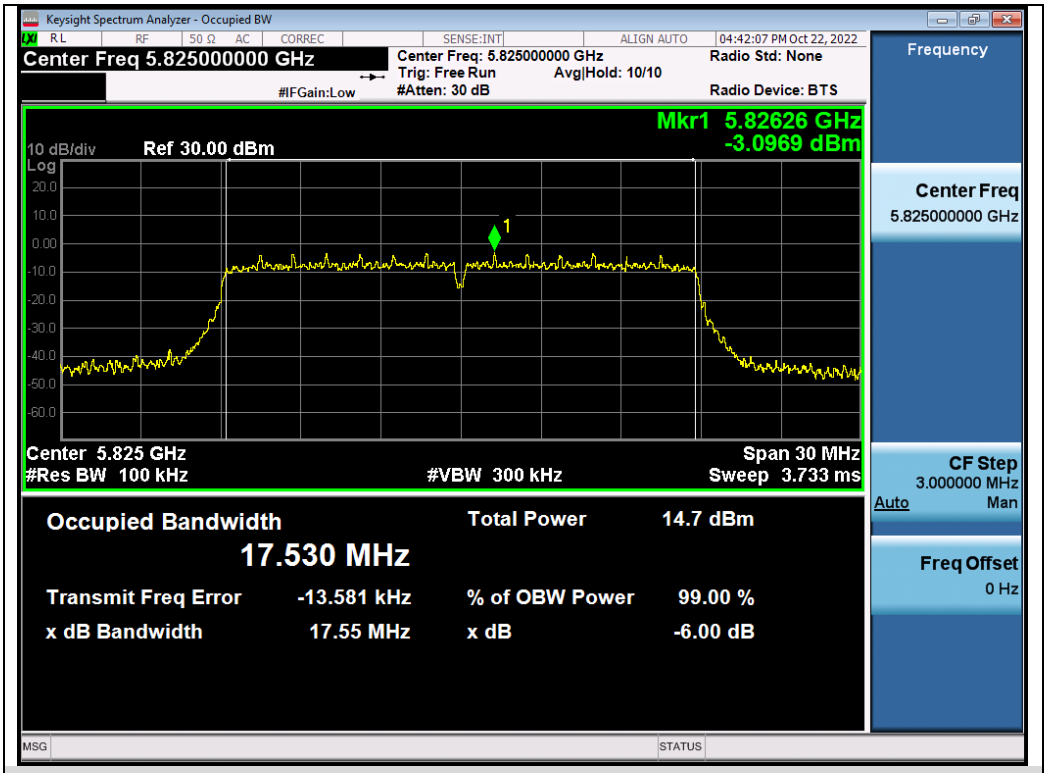
Test_Graph_802.11n40_ANT2_5795_MCS0_DTSBW



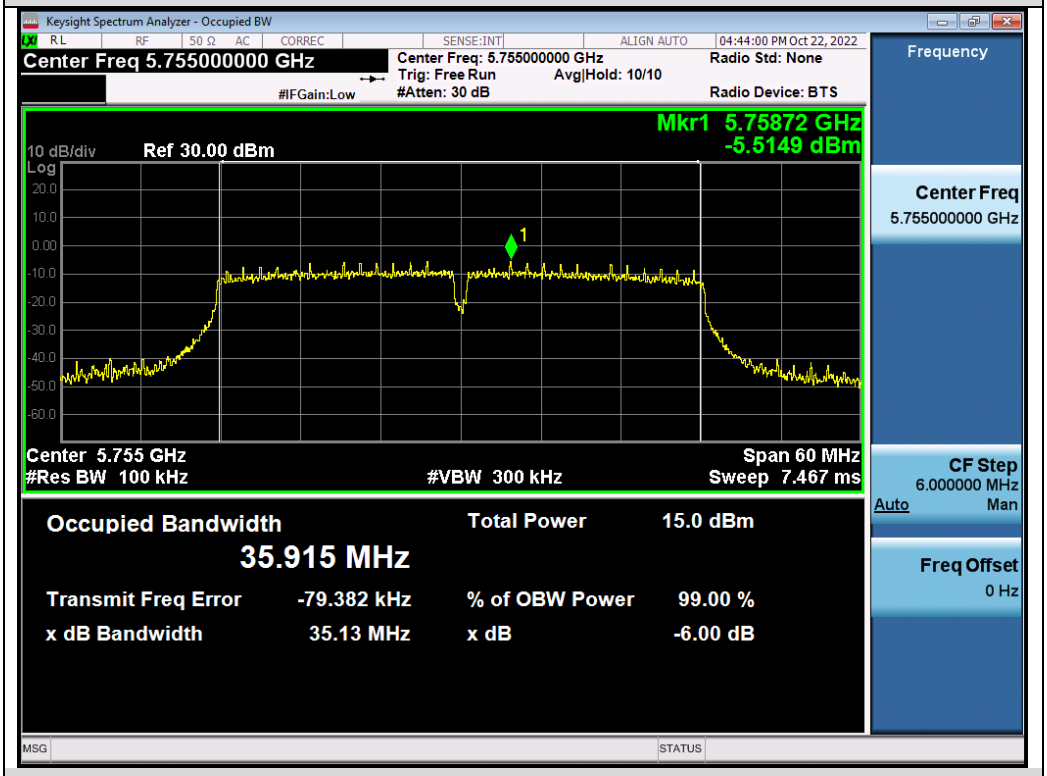
Test_Graph_802.11ac20_ANT2_5745_MCS0_DTSBW



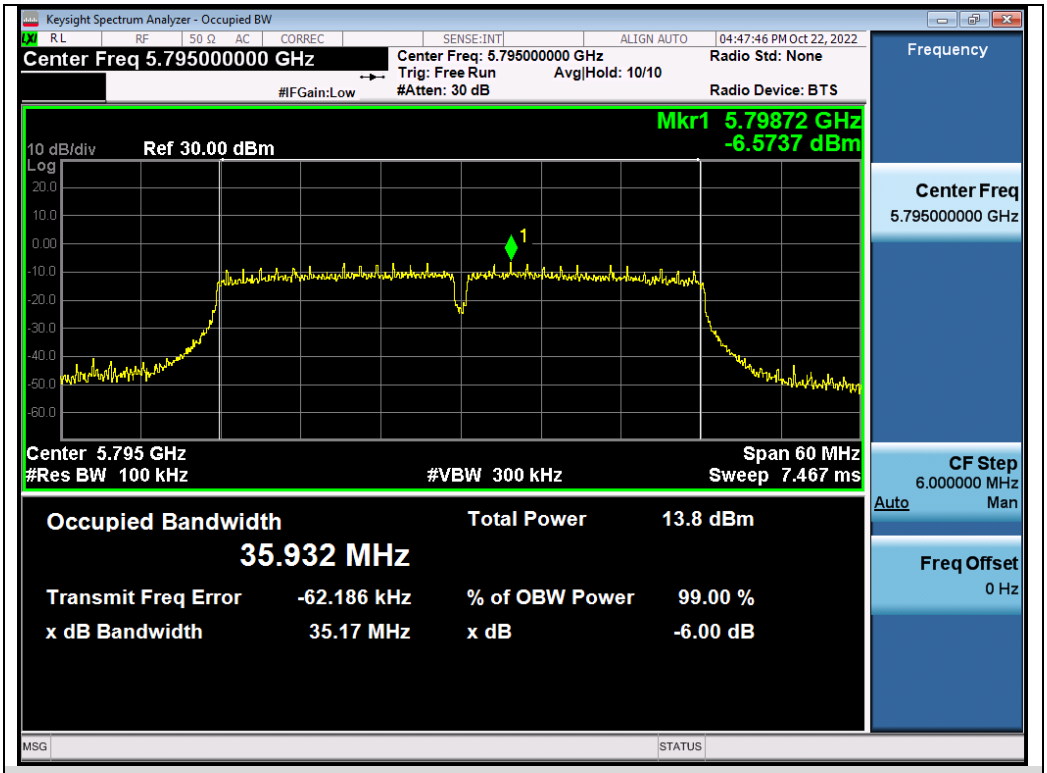
Test_Graph_802.11ac20_ANT2_5785_MCS0_DTSBW



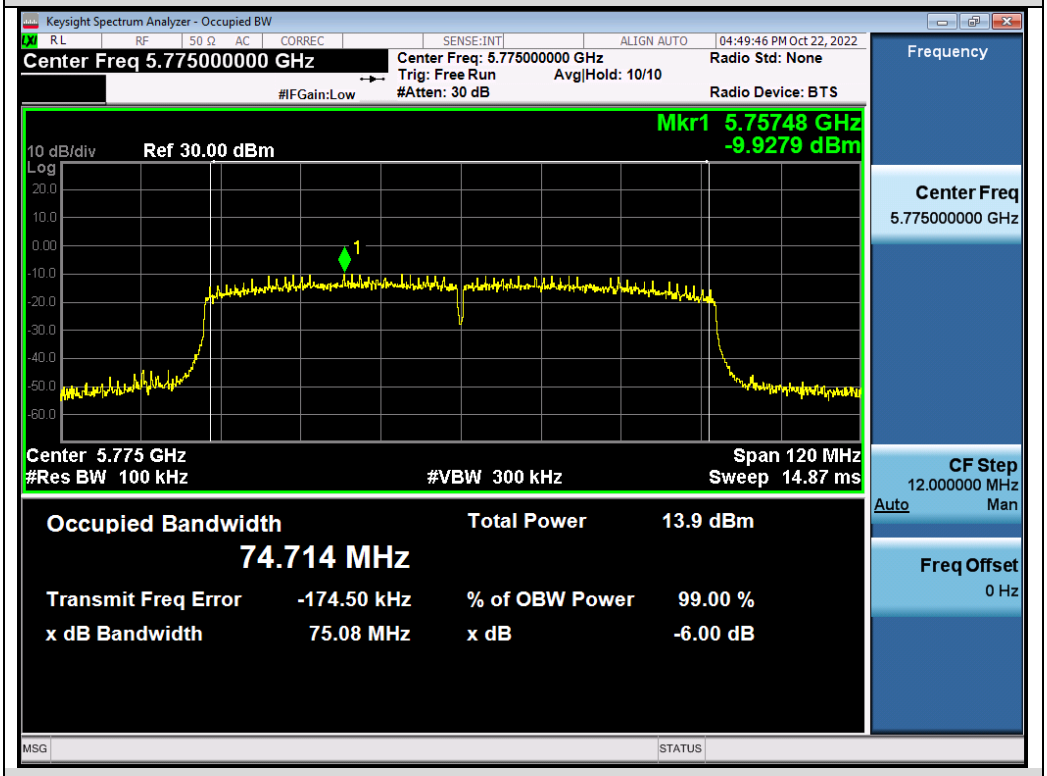
Test_Graph_802.11ac20_ANT2_5825_MCS9_DTSBW



Test_Graph_802.11ac40_ANT2_5755_MCS9_DTSBW



Test_Graph_802.11ac40_ANT2_5795_MCS9_DTSBW



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	1.976	11	Pass
	5200	0.300	11	Pass
	5240	-0.785	11	Pass
802.11n20	5180	1.588	11	Pass
	5200	0.270	11	Pass
	5240	-0.591	11	Pass
802.11n40	5190	-2.167	11	Pass
	5230	-3.423	11	Pass
802.11ac20	5180	0.172	11	Pass
	5200	-0.740	11	Pass
	5240	-1.585	11	Pass
802.11ac40	5190	-3.050	11	Pass
	5230	-4.249	11	Pass
802.11ac80	5210	-6.773	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	2.022	11	Pass
	5200	1.496	11	Pass
	5240	-0.159	11	Pass
802.11n20	5180	1.167	11	Pass
	5200	0.391	11	Pass
	5240	-1.215	11	Pass
802.11n40	5190	-2.129	11	Pass
	5230	-3.755	11	Pass
802.11ac20	5180	0.021	11	Pass
	5200	-0.651	11	Pass
	5240	-2.266	11	Pass
802.11ac40	5190	-3.111	11	Pass
	5230	-4.698	11	Pass
802.11ac80	5210	-7.016	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-MIMO				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5180	4.393	9.99	Pass
	5200	3.341	9.99	Pass
	5240	2.118	9.99	Pass
802.11n40	5190	0.862	9.99	Pass
	5230	-0.576	9.99	Pass
802.11ac20	5180	3.107	9.99	Pass
	5200	2.315	9.99	Pass
	5240	1.098	9.99	Pass
802.11ac40	5190	-0.070	9.99	Pass
	5230	-1.457	9.99	Pass
802.11ac80	5210	-3.883	9.99	Pass

Test Data of Conducted Output Power Density for band 5.2-5.35 GHz-antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	1.569	11	Pass
	5300	1.833	11	Pass
	5320	1.940	11	Pass
802.11n20	5260	0.601	11	Pass
	5300	1.321	11	Pass
	5320	1.492	11	Pass
802.11n40	5270	-2.123	11	Pass
	5310	-1.499	11	Pass
802.11ac20	5260	-0.098	11	Pass
	5300	0.461	11	Pass
	5320	0.824	11	Pass
802.11ac40	5270	-3.281	11	Pass
	5310	-2.498	11	Pass
802.11ac80	5290	-6.448	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	1.043	11	Pass
	5300	0.940	11	Pass
	5320	0.862	11	Pass
802.11n20	5260	0.683	11	Pass
	5300	0.725	11	Pass
	5320	0.528	11	Pass
802.11n40	5270	-2.360	11	Pass
	5310	-2.368	11	Pass
802.11ac20	5260	0.011	11	Pass
	5300	0.029	11	Pass
	5320	-0.047	11	Pass
802.11ac40	5270	-3.506	11	Pass
	5310	-3.525	11	Pass
802.11ac80	5290	-7.139	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-MIMO				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5260	3.652	9.99	Pass
	5300	4.044	9.99	Pass
	5320	4.047	9.99	Pass
802.11n40	5270	0.77	9.99	Pass
	5310	1.098	9.99	Pass
802.11ac20	5260	2.967	9.99	Pass
	5300	3.261	9.99	Pass
	5320	3.421	9.99	Pass
802.11ac40	5270	-0.382	9.99	Pass
	5310	0.029	9.99	Pass
802.11ac80	5290	-3.769	9.99	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	0.032	11	Pass
	5600	1.162	11	Pass
	5700	1.775	11	Pass
802.11n20	5500	-0.137	11	Pass
	5600	0.788	11	Pass
	5700	1.307	11	Pass
802.11n40	5510	-3.662	11	Pass
	5590	-3.166	11	Pass
	5670	-2.350	11	Pass
802.11ac20	5500	-1.144	11	Pass
	5600	0.138	11	Pass
	5700	0.695	11	Pass
802.11ac40	5510	-4.059	11	Pass
	5590	-3.774	11	Pass
	5670	-2.794	11	Pass
802.11ac80	5530	-7.315	11	Pass
	5610	-7.043	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	0.422	11	Pass
	5600	1.093	11	Pass
	5700	1.561	11	Pass
802.11n20	5500	0.020	11	Pass
	5600	0.799	11	Pass
	5700	1.354	11	Pass
802.11n40	5510	-2.871	11	Pass
	5590	-3.095	11	Pass
	5670	-2.770	11	Pass
802.11ac20	5500	-0.581	11	Pass
	5600	0.103	11	Pass
	5700	0.474	11	Pass
802.11ac40	5510	-3.653	11	Pass
	5590	-4.046	11	Pass
	5670	-5.011	11	Pass
802.11ac80	5530	-7.352	11	Pass
	5610	-8.860	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-MIMO				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5500	2.953	9.99	Pass
	5600	3.804	9.99	Pass
	5700	4.341	9.99	Pass
802.11n40	5510	-0.238	9.99	Pass
	5590	-0.120	9.99	Pass
	5670	0.455	9.99	Pass
802.11ac20	5500	2.157	9.99	Pass
	5600	3.131	9.99	Pass
	5700	3.596	9.99	Pass
802.11ac40	5510	-0.841	9.99	Pass
	5590	-0.898	9.99	Pass
	5670	-0.752	9.99	Pass
802.11ac80	5530	-4.323	9.99	Pass
	5610	-4.847	9.99	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	-8.890	-1.900	30	Pass
	5785	-10.167	-3.177	30	Pass
	5825	-9.887	-2.897	30	Pass
802.11n20	5745	-9.049	-2.059	30	Pass
	5785	-10.215	-3.225	30	Pass
	5825	-10.038	-3.048	30	Pass
802.11n40	5755	-12.291	-5.301	30	Pass
	5795	-13.321	-6.331	30	Pass
802.11ac20	5745	-10.200	-3.210	30	Pass
	5785	-11.022	-4.032	30	Pass
	5825	-10.789	-3.799	30	Pass
802.11ac40	5755	-12.949	-5.959	30	Pass
	5795	-14.030	-7.040	30	Pass
802.11ac80	5775	-16.599	-9.609	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	-9.412	-2.422	30	Pass
	5785	-10.659	-3.669	30	Pass
	5825	-10.639	-3.649	30	Pass
802.11n20	5745	-9.661	-2.671	30	Pass
	5785	-10.622	-3.632	30	Pass
	5825	-10.756	-3.766	30	Pass
802.11n40	5755	-12.385	-5.395	30	Pass
	5795	-13.974	-6.984	30	Pass
802.11ac20	5745	-10.310	-3.320	30	Pass
	5785	-11.201	-4.211	30	Pass
	5825	-11.378	-4.388	30	Pass
802.11ac40	5755	-12.813	-5.823	30	Pass
	5795	-14.432	-7.442	30	Pass
802.11ac80	5775	-15.928	-8.938	30	Pass

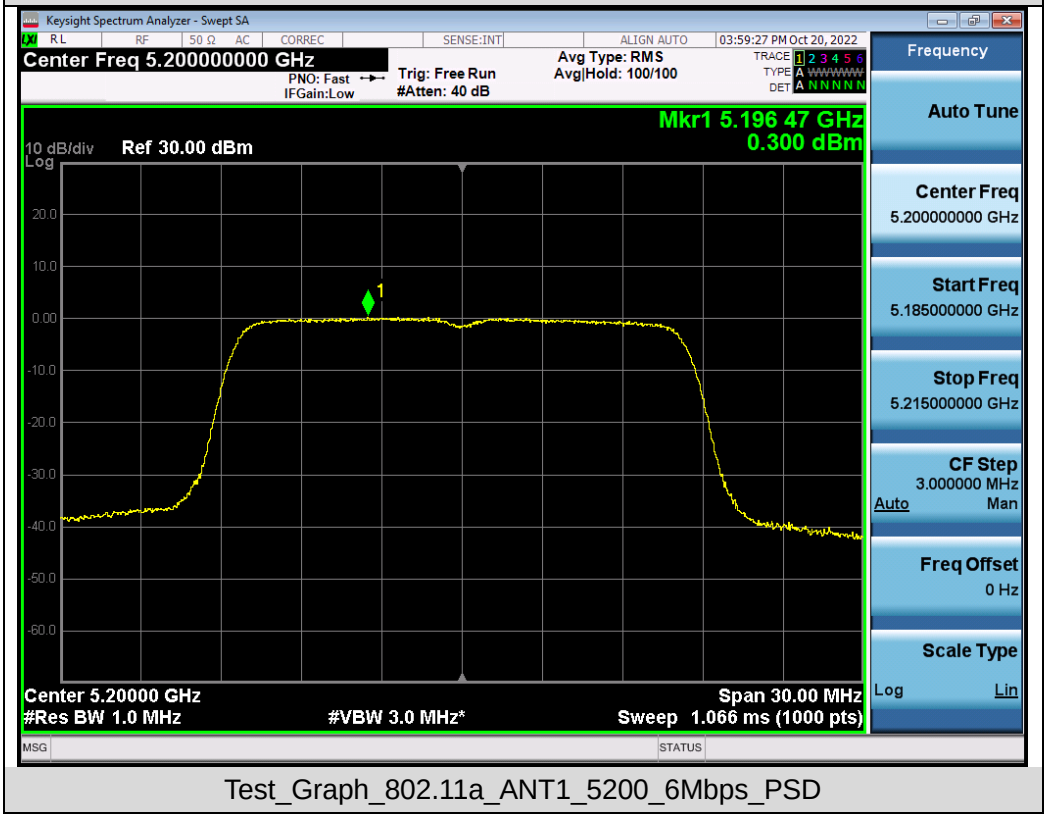
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-MIMO					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11n20	5745	-6.334	0.656	28.99	Pass
	5785	-7.403	-0.413	28.99	Pass
	5825	-7.372	-0.382	28.99	Pass
802.11n40	5755	-9.327	-2.337	28.99	Pass
	5795	-10.625	-3.635	28.99	Pass
802.11ac20	5745	-7.244	-0.254	28.99	Pass
	5785	-8.100	-1.110	28.99	Pass
	5825	-8.063	-1.073	28.99	Pass
802.11ac40	5755	-9.870	-2.880	28.99	Pass
	5795	-11.216	-4.226	28.99	Pass
802.11ac80	5775	-13.240	-6.250	28.99	Pass

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

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

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

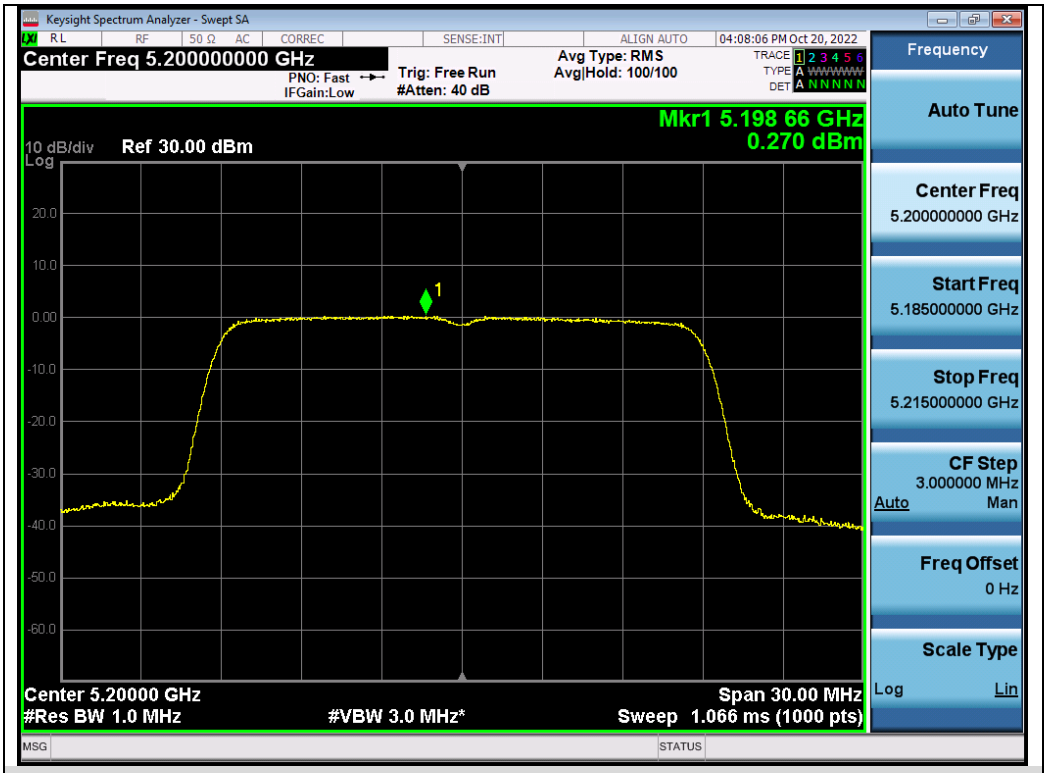
Test_Graph_802.11a_ANT1_5180_6Mbps_PSD



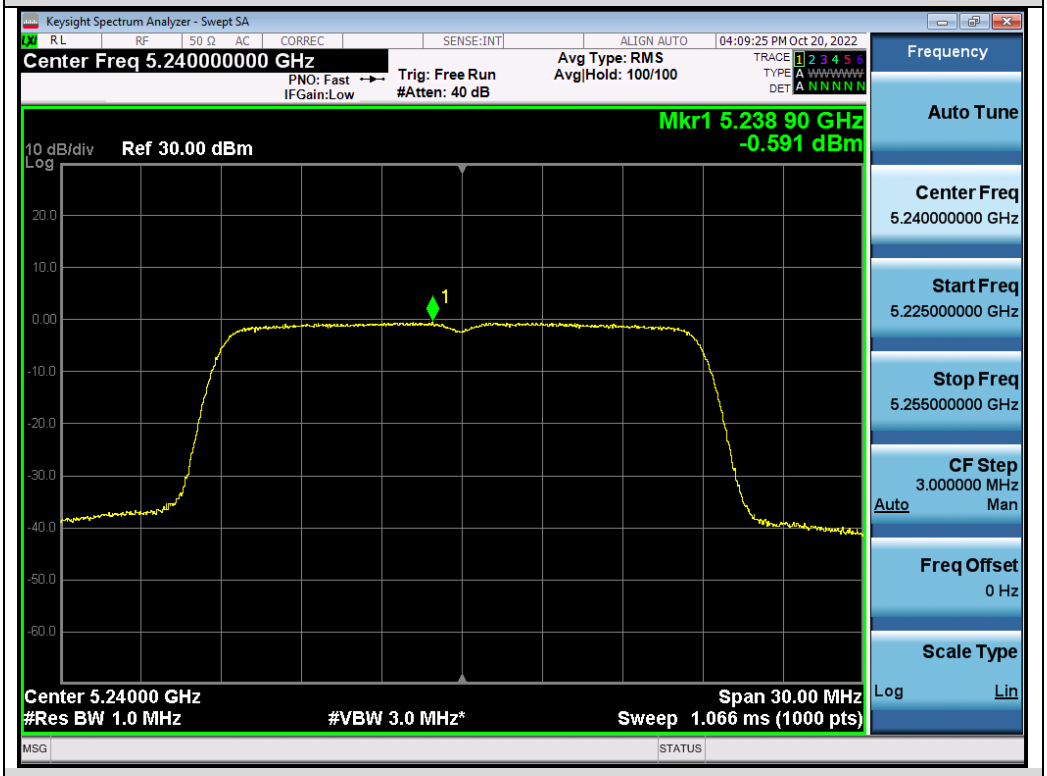
Test_Graph_802.11a_ANT1_5200_6Mbps_PSD

Test_Graph_802.11a_ANT1_5240_6Mbps_PSD

Test_Graph_802.11n20_ANT1_5180_MCS0_PSD



Test_Graph_802.11n20_ANT1_5200_MCS0_PSD



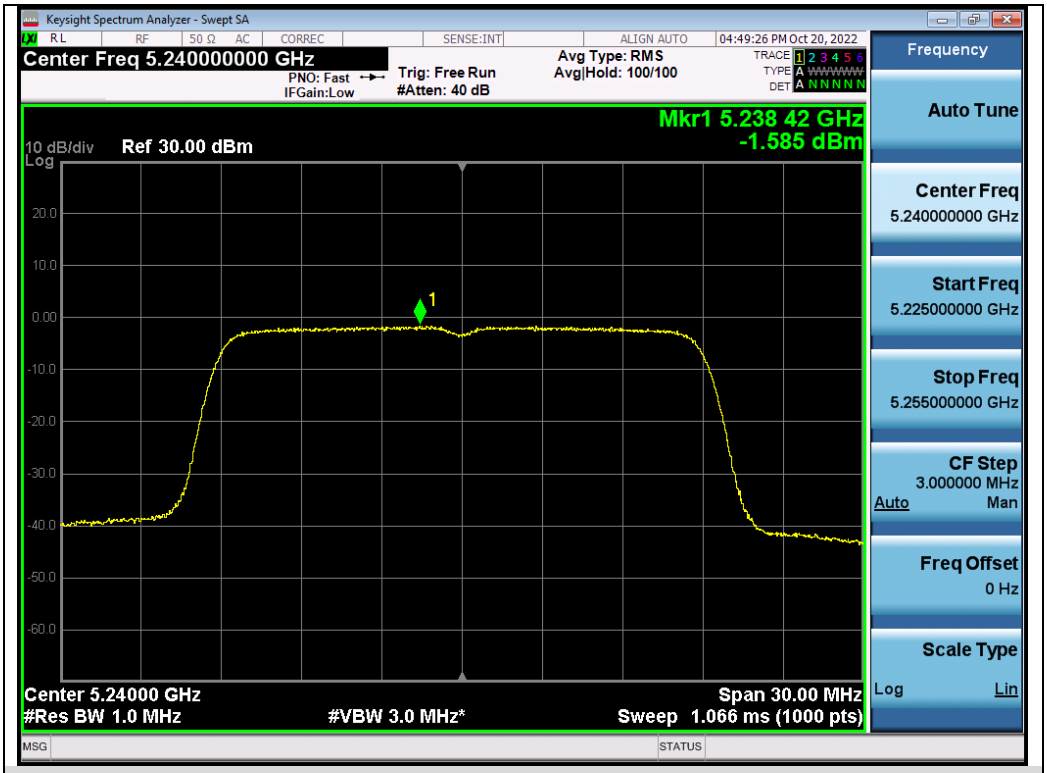
Test_Graph_802.11n20_ANT1_5240_MCS0_PSD

Test_Graph_802.11n40_ANT1_5190_MCS0_PSD

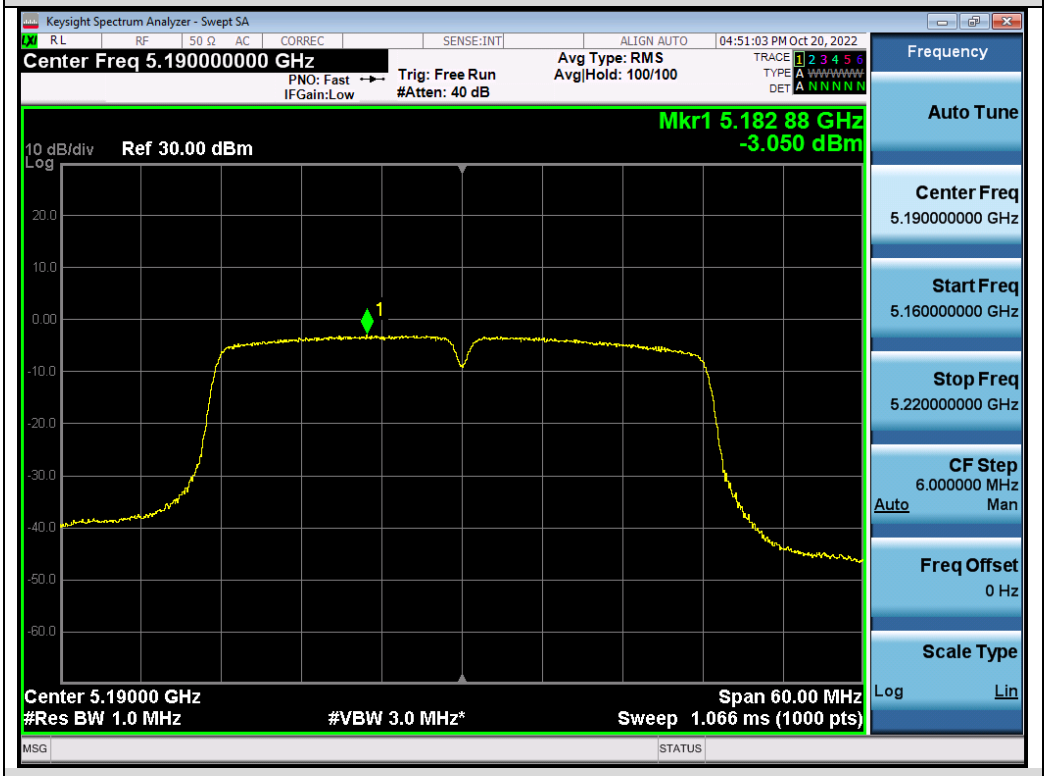
Test_Graph_802.11n40_ANT1_5230_MCS0_PSD

Test_Graph_802.11ac20_ANT1_5180_MCS0_PSD

Test_Graph_802.11ac20_ANT1_5200_MCS0_PSD



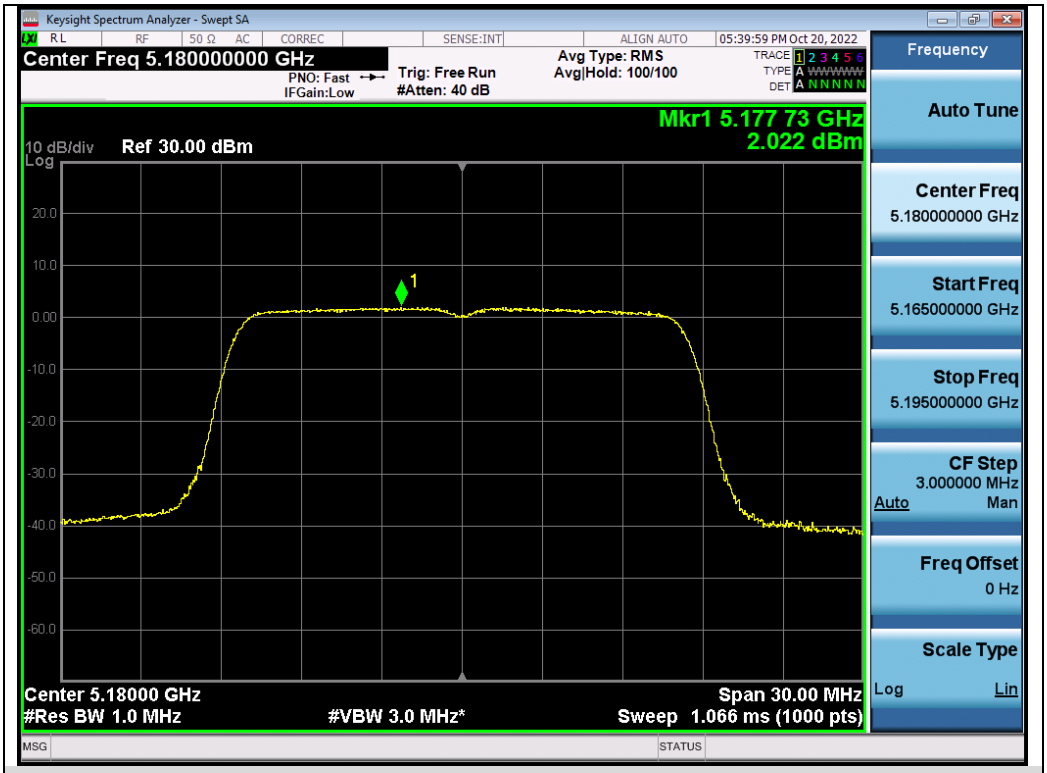
Test_Graph_802.11ac20_ANT1_5240_MCS9_PSD



Test_Graph_802.11ac40_ANT1_5190_MCS9_PSD

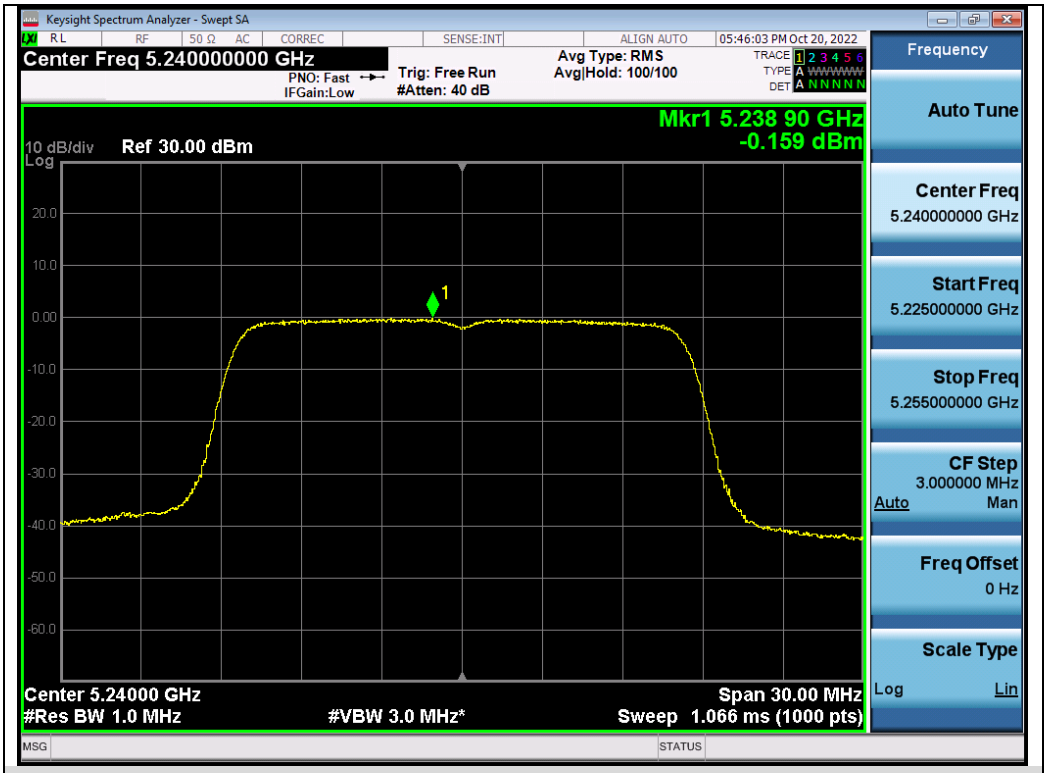
Test_Graph_802.11ac40_ANT1_5230_MCS9_PSD

Test_Graph_802.11ac80_ANT1_5210_MCS9_PSD

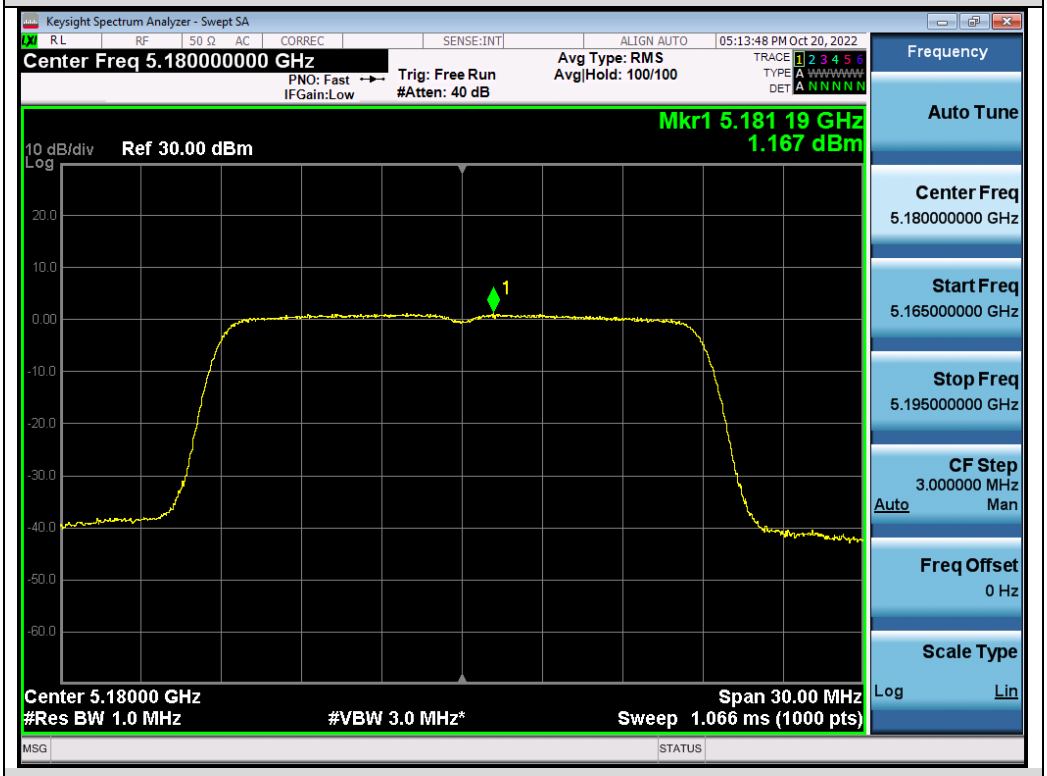


Test_Graph_802.11a_ANT2_5180_6Mbps_PSD

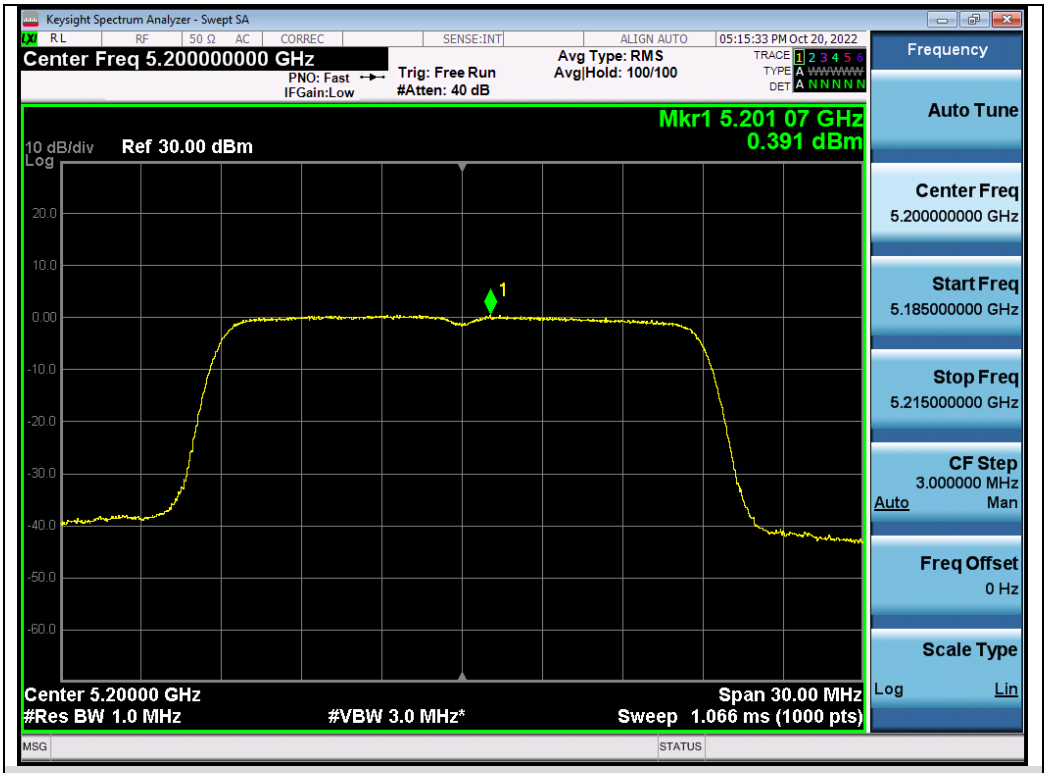
Test_Graph_802.11a_ANT2_5200_6Mbps_PSD



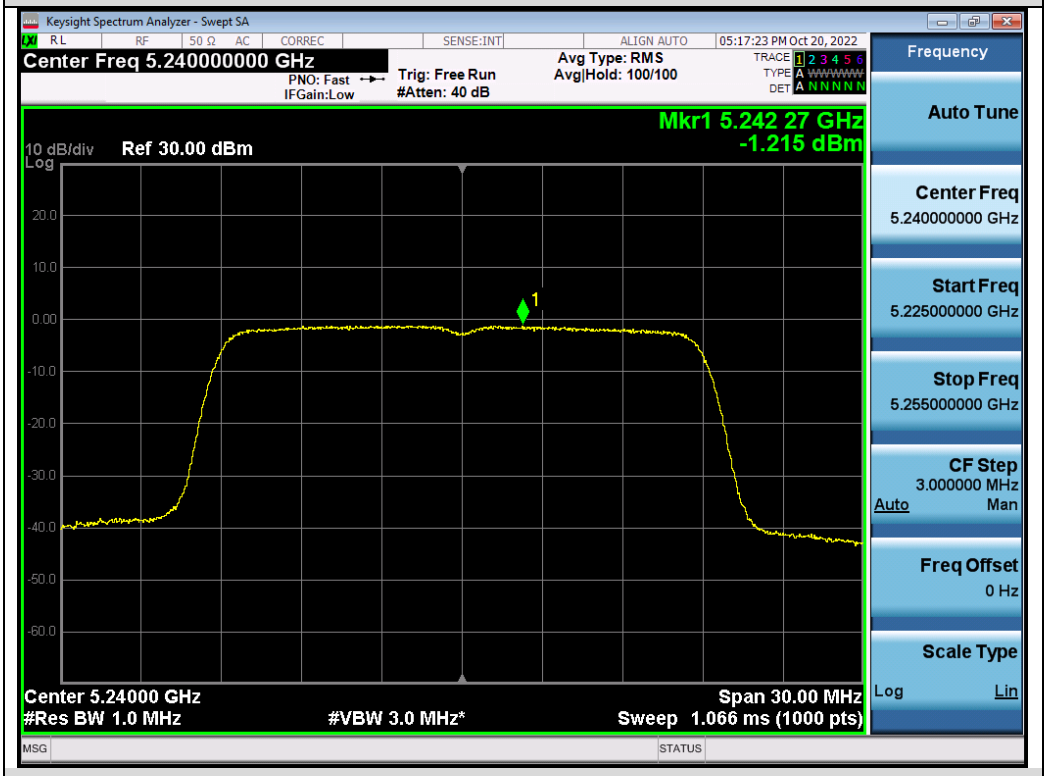
Test_Graph_802.11a_ANT2_5240_6Mbps_PSD



Test_Graph_802.11n20_ANT2_5180_MCS0_PSD



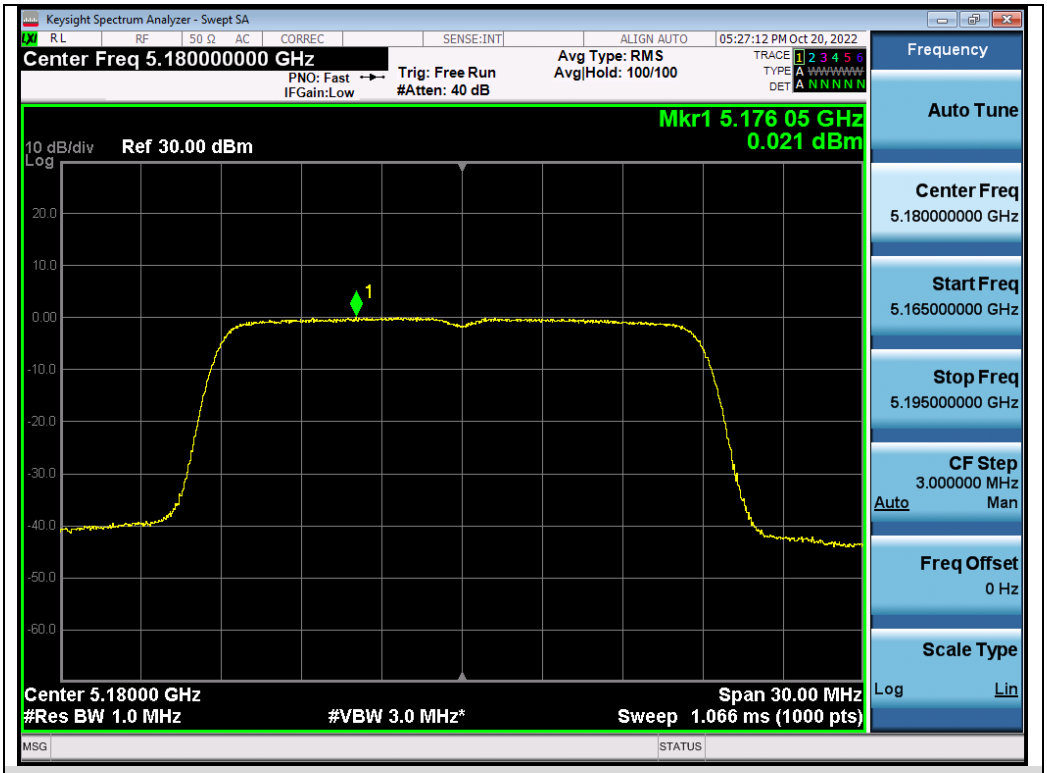
Test_Graph_802.11n20_ANT2_5200_MCS0_PSD



Test_Graph_802.11n20_ANT2_5240_MCS0_PSD

Test_Graph_802.11n40_ANT2_5190_MCS0_PSD

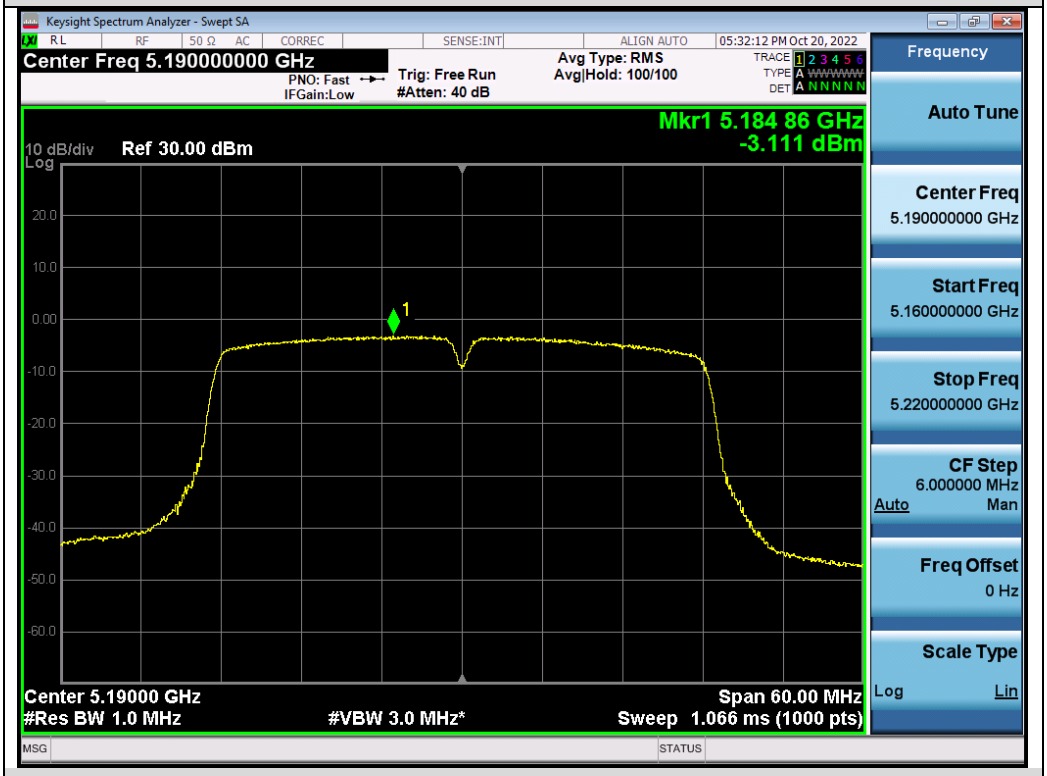
Test_Graph_802.11n40_ANT2_5230_MCS0_PSD



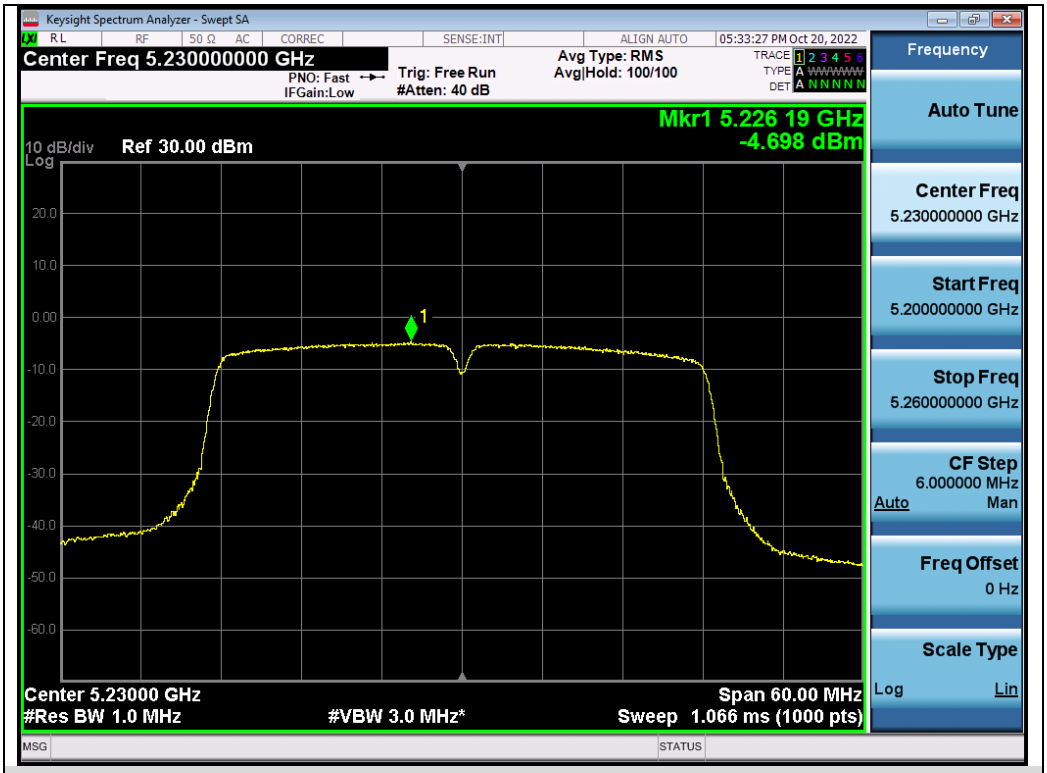
Test_Graph_802.11ac20_ANT2_5180_MCS0_PSD

Test_Graph_802.11ac20_ANT2_5200_MCS0_PSD

Test_Graph_802.11ac20_ANT2_5240_MCS9_PSD



Test_Graph_802.11ac40_ANT2_5190_MCS9_PSD

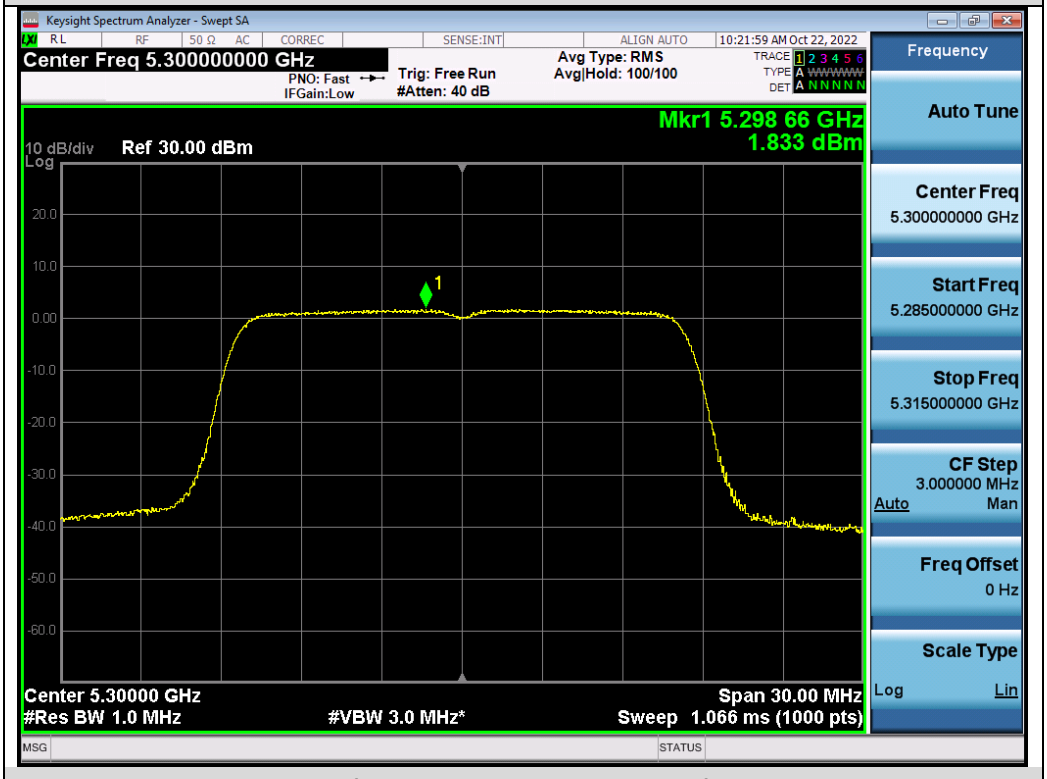


Test_Graph_802.11ac40_ANT2_5230_MCS9_PSD

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