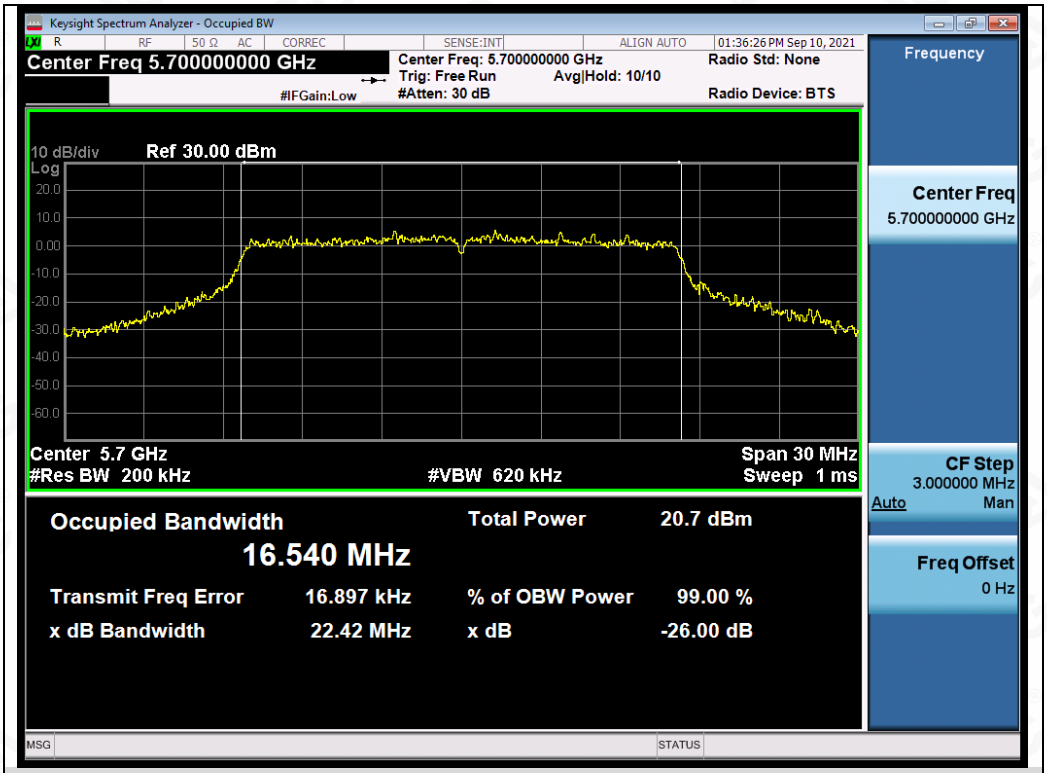
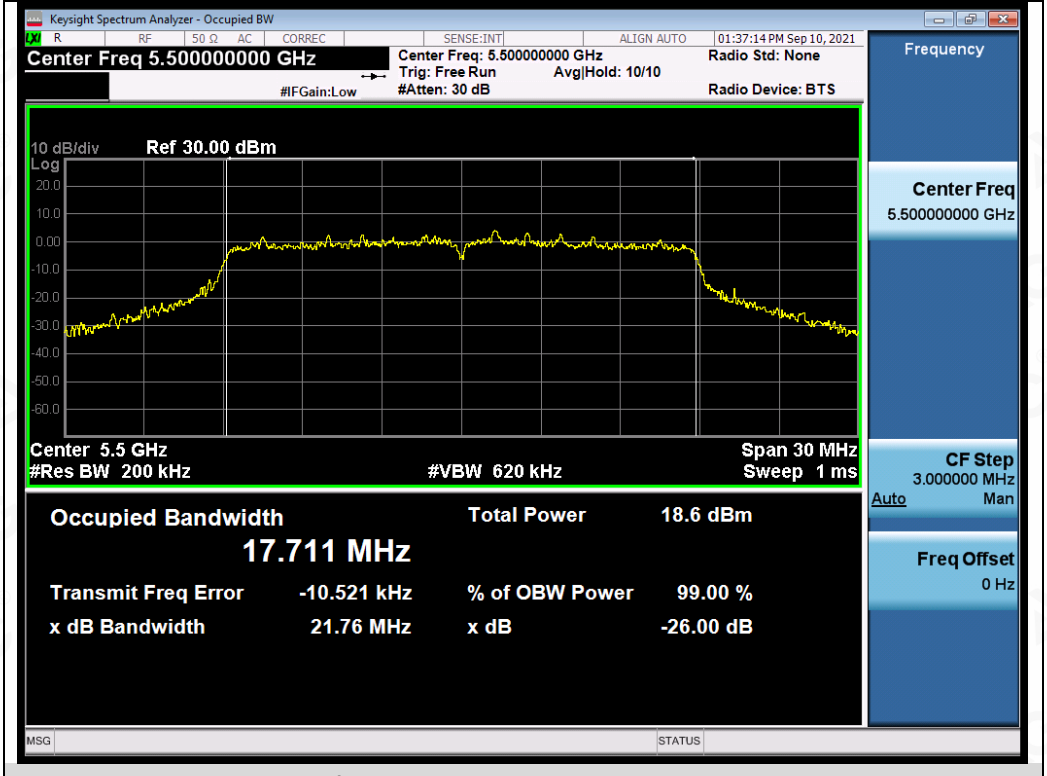
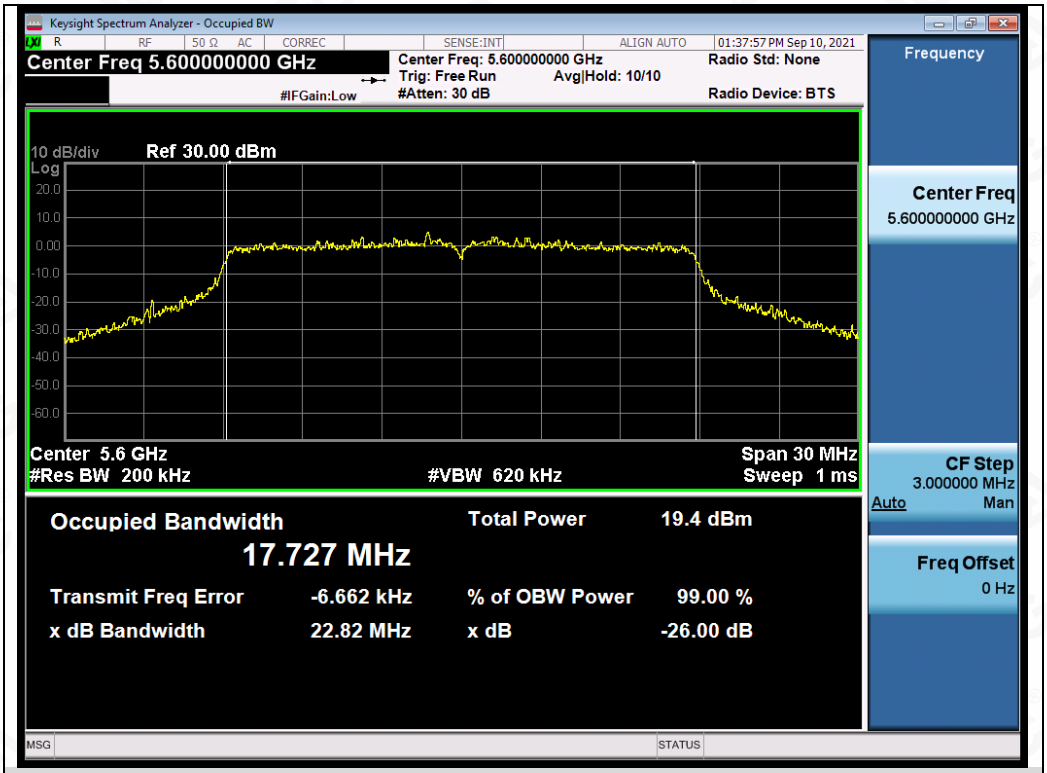


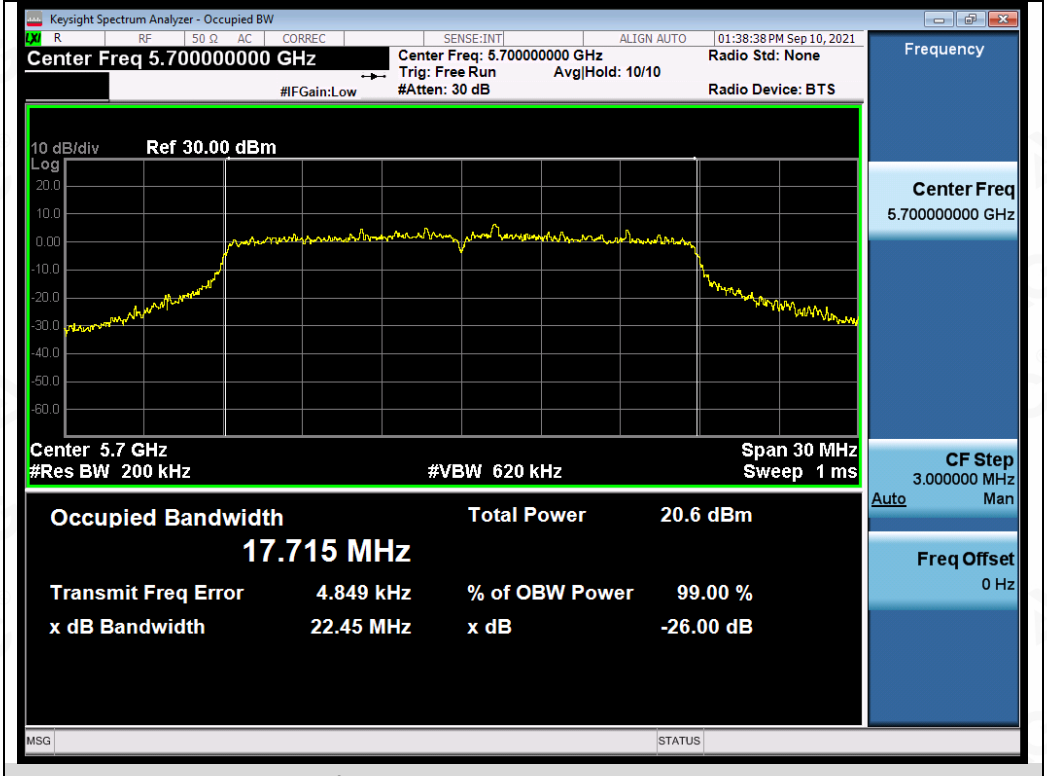
Test_Graph_802.11a_ANT2_5700_6Mbps_OBW



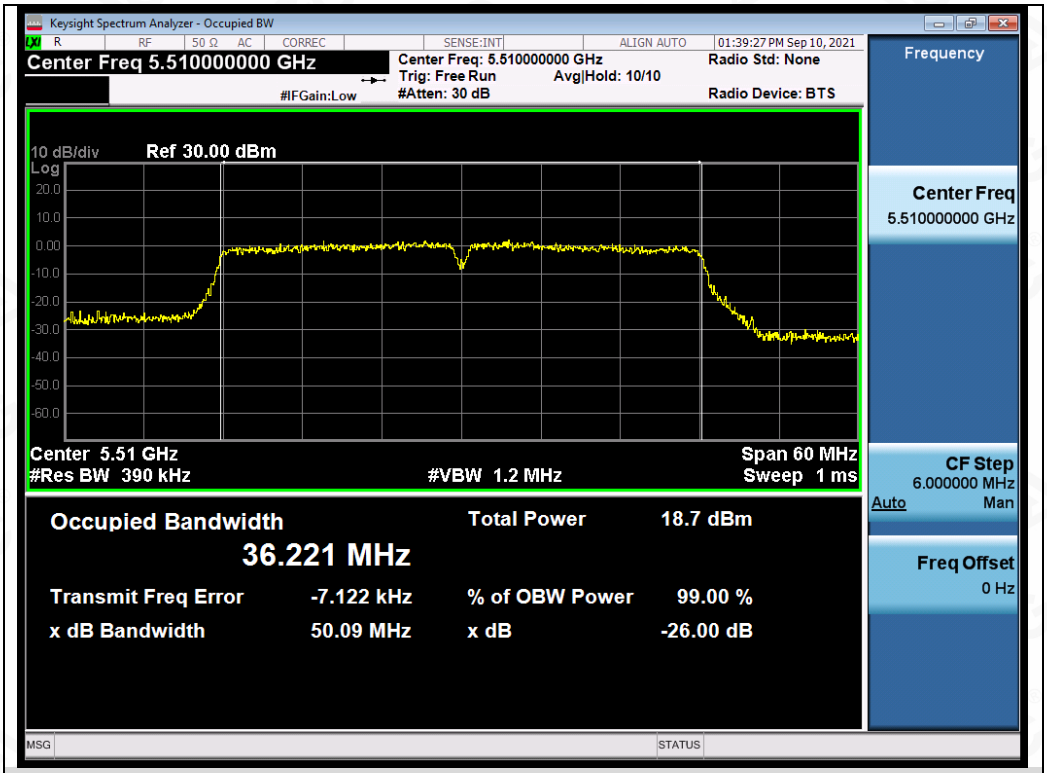
Test_Graph_802.11n20_ANT2_5500_MCS0_OBW



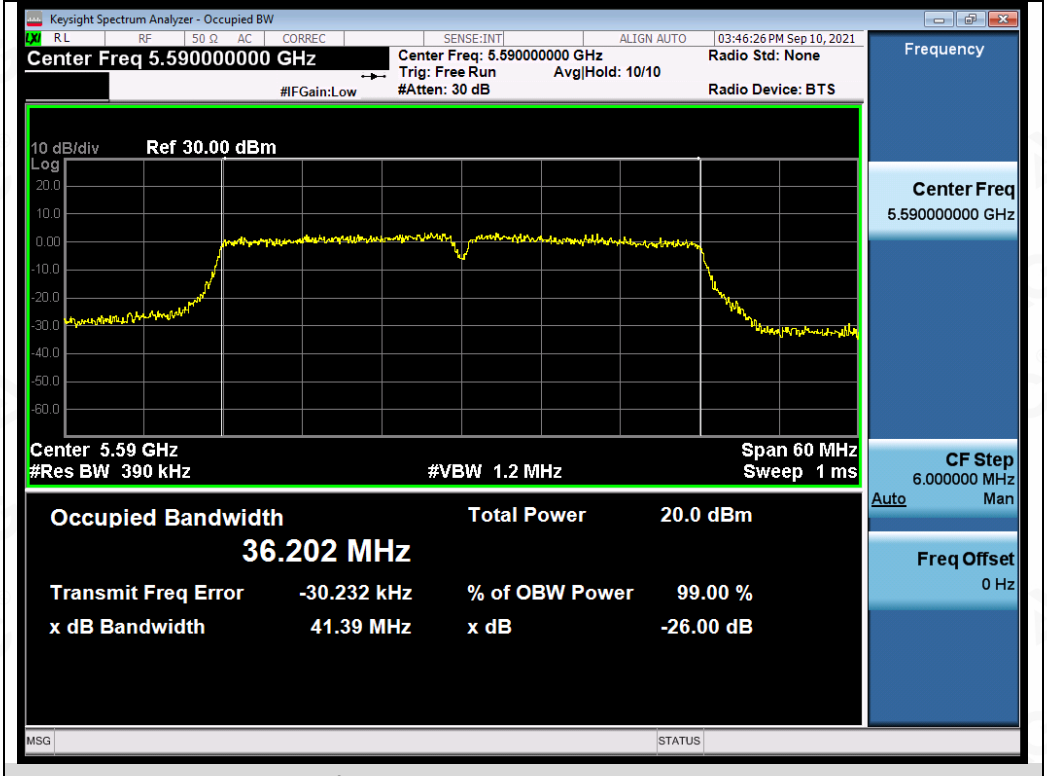
Test_Graph_802.11n20_ANT2_5600_MCS0_OBW



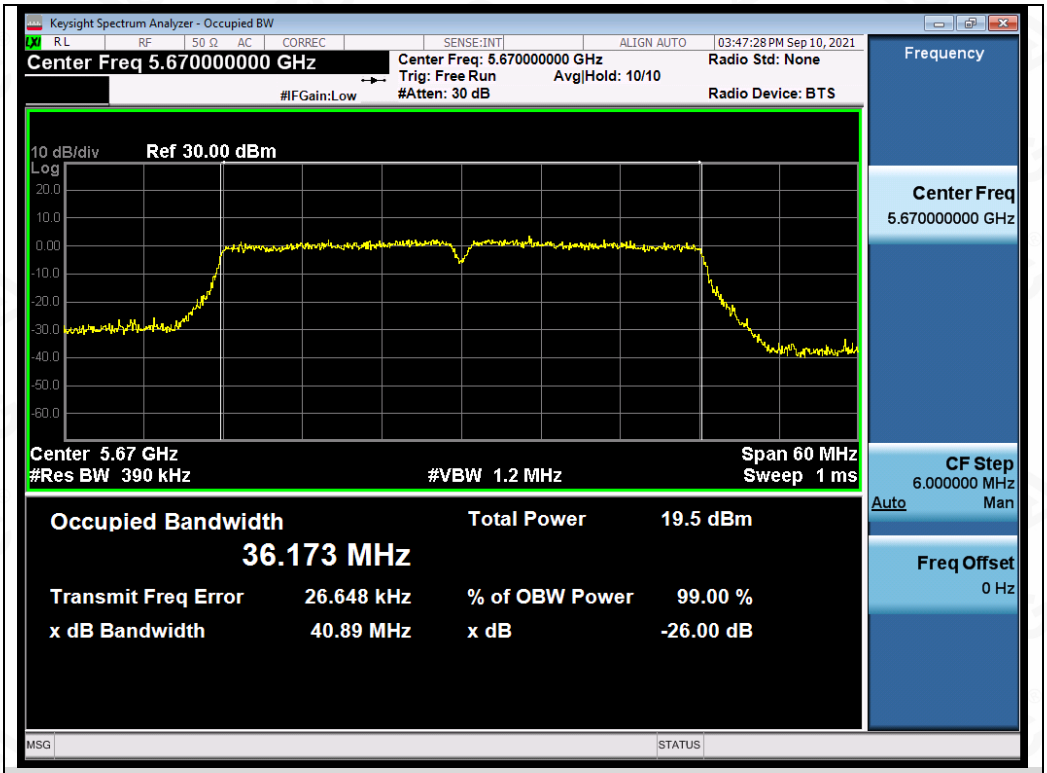
Test_Graph_802.11n20_ANT2_5700_MCS0_OBW



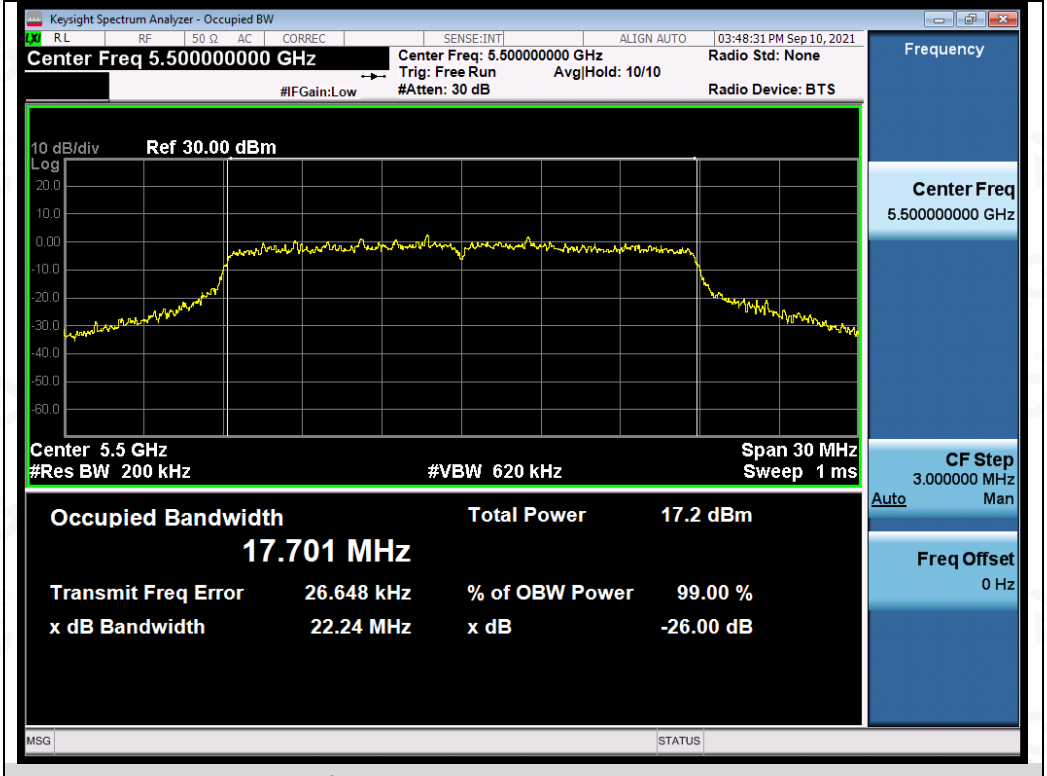
Test_Graph_802.11n40_ANT2_5510_MCS0_OBW



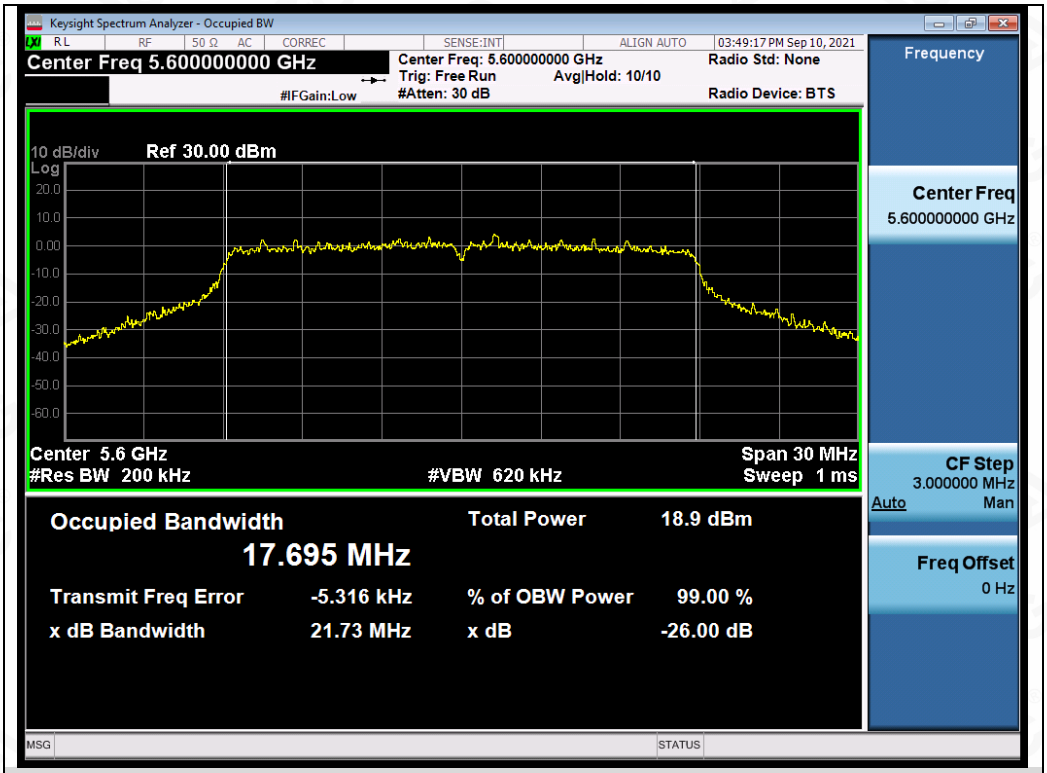
Test_Graph_802.11n40_ANT2_5590_MCS0_OBW



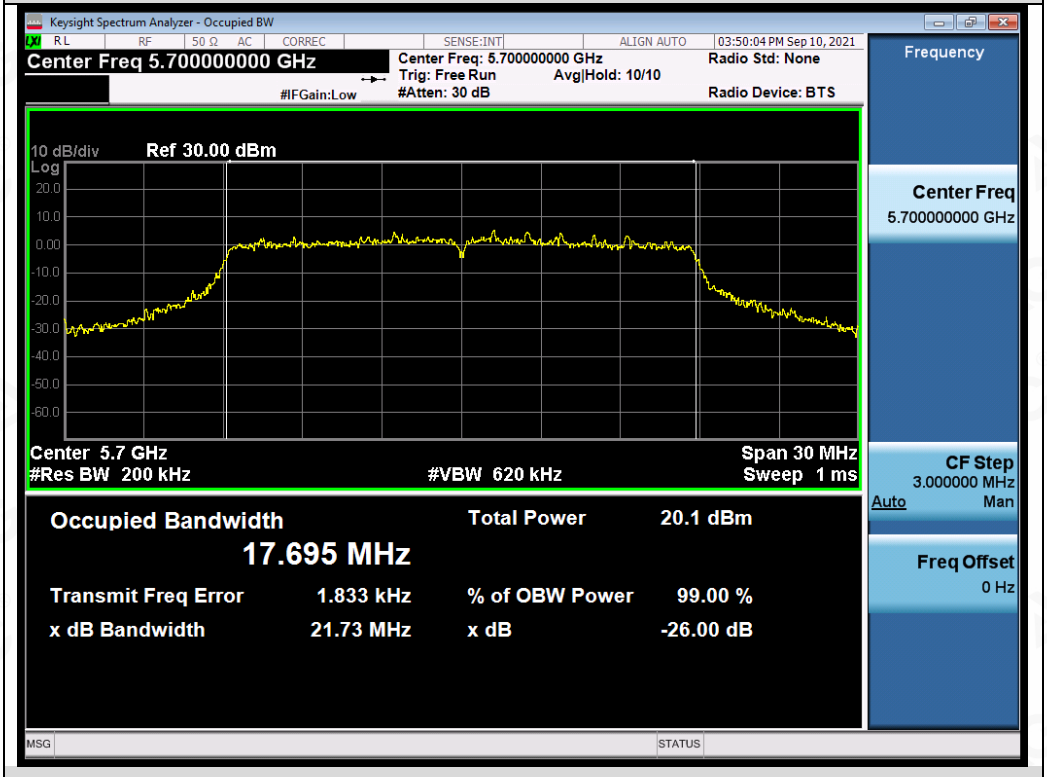
Test_Graph_802.11n40_ANT2_5670_MCS0_OBW



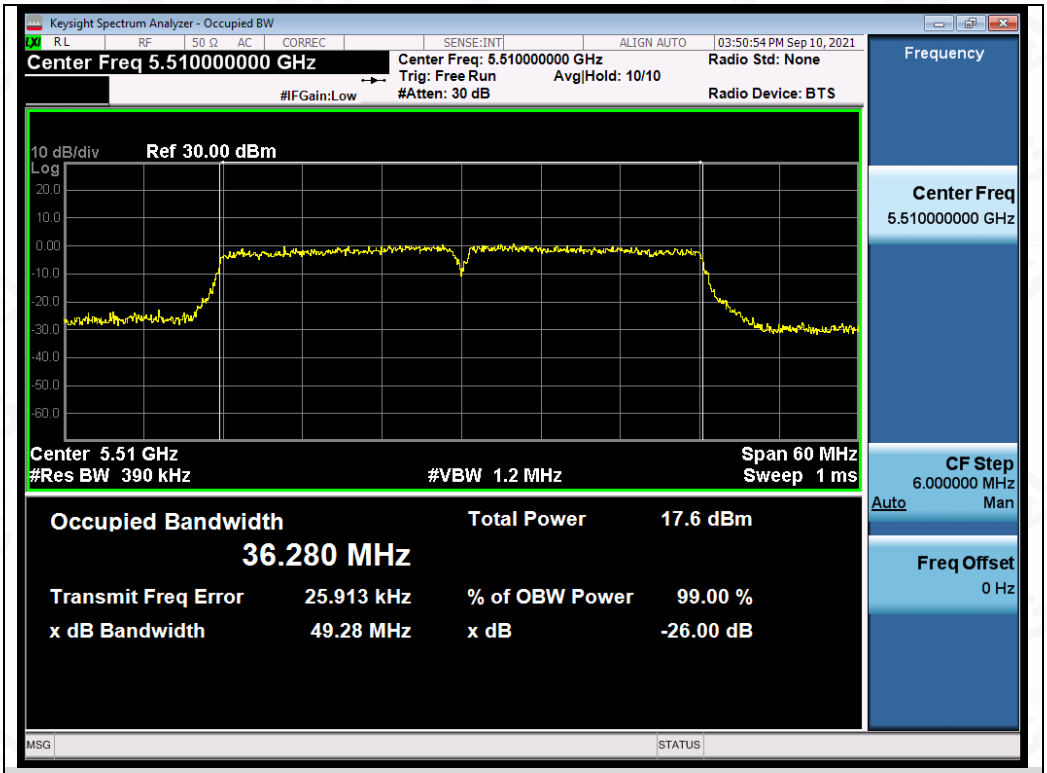
Test_Graph_802.11ac20_ANT2_5500_MCS0_OBW



Test_Graph_802.11ac20_ANT2_5600_MCS0_OBW



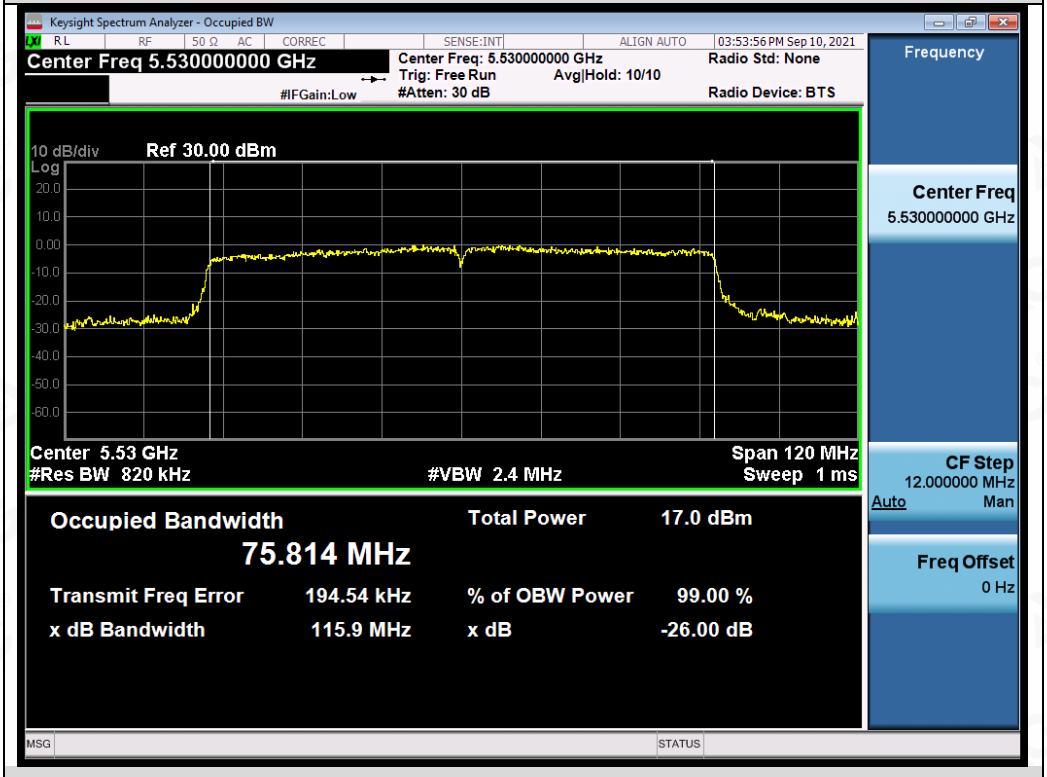
Test_Graph_802.11ac20_ANT2_5700_MCS9_OBW



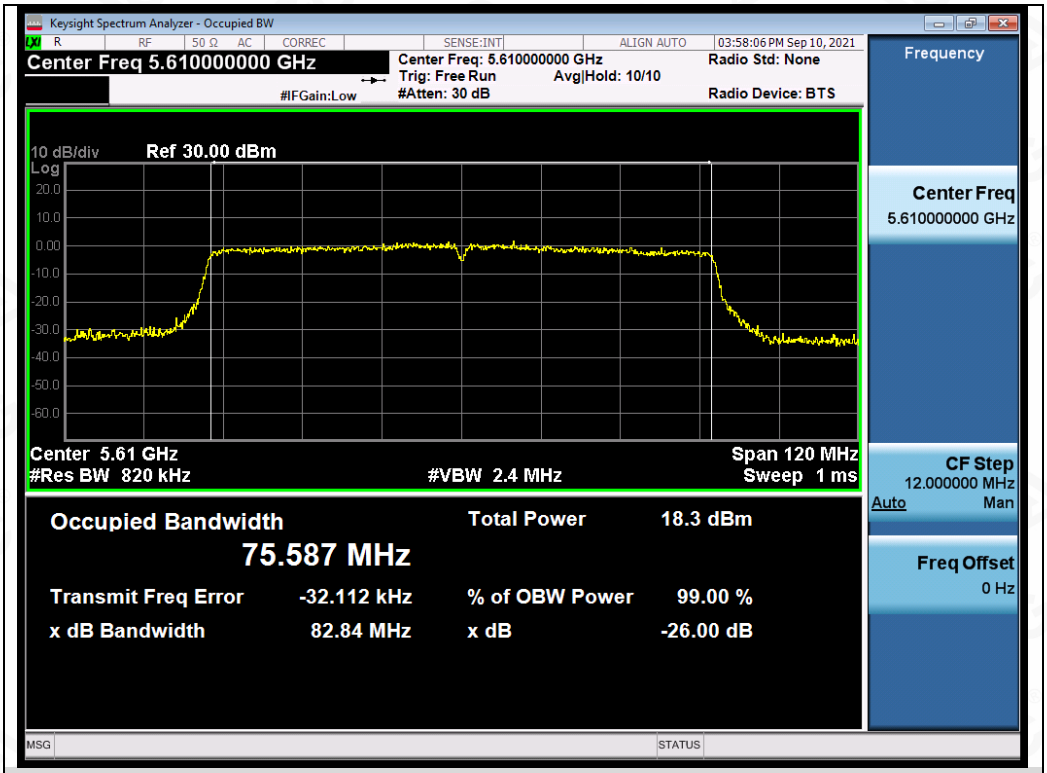
Test_Graph_802.11ac40_ANT2_5510_MCS9_OBW

Test_Graph_802.11ac40_ANT2_5590_MCS9_OBW

Test_Graph_802.11ac40_ANT2_5670_MCS9_OBW

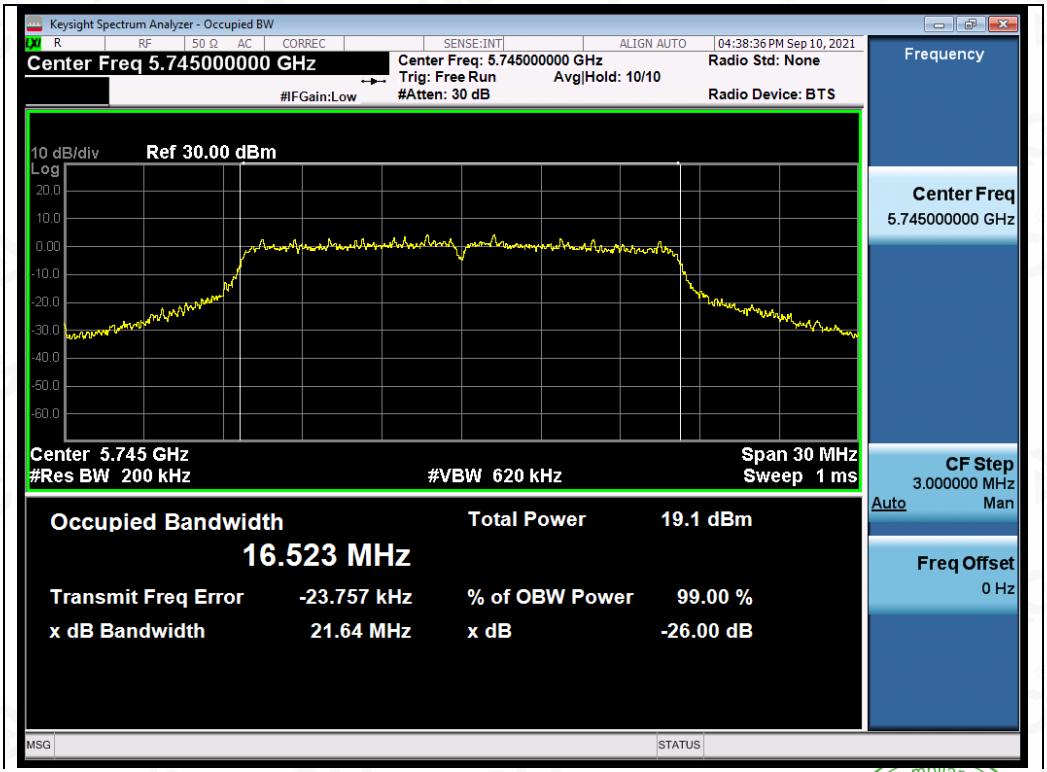


Test_Graph_802.11ac80_ANT2_5530_MCS9_OBW

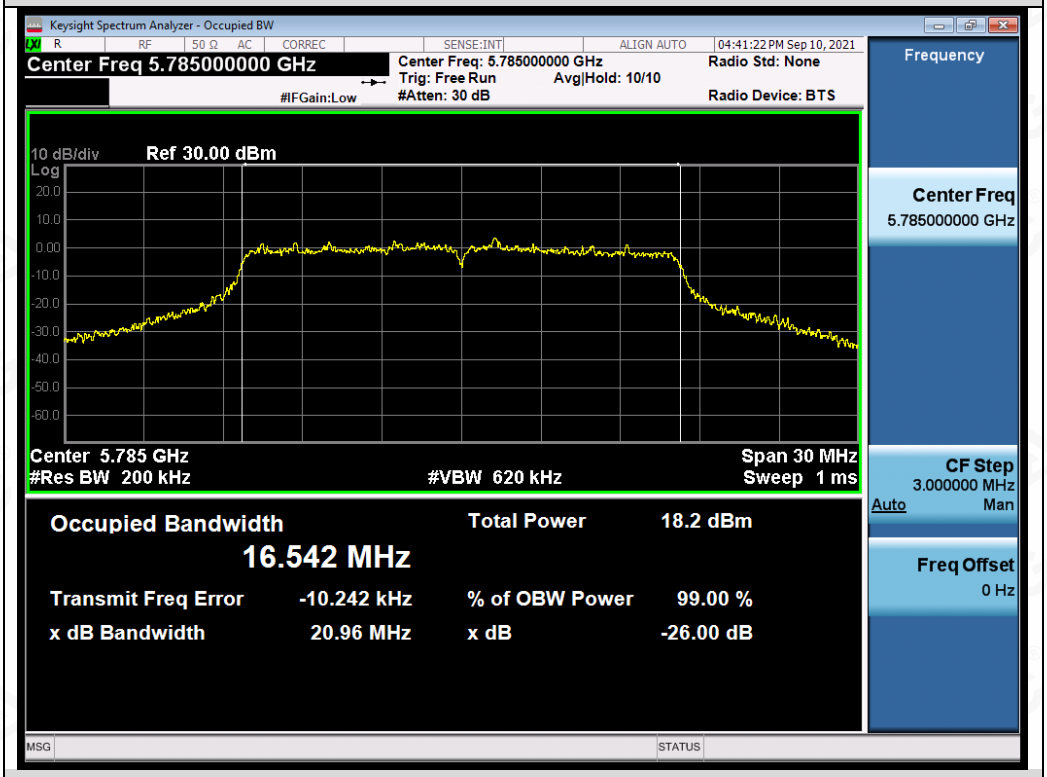


Test_Graph_802.11ac80_ANT2_5610_MCS9_OBW

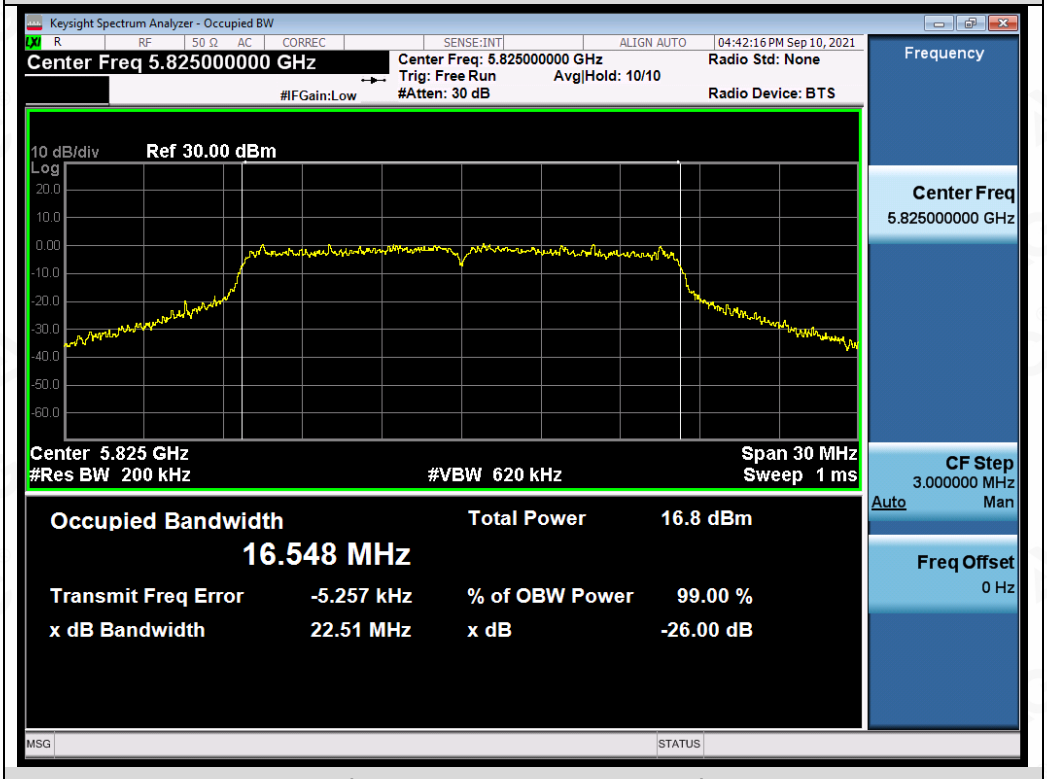
Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz-ANT 2



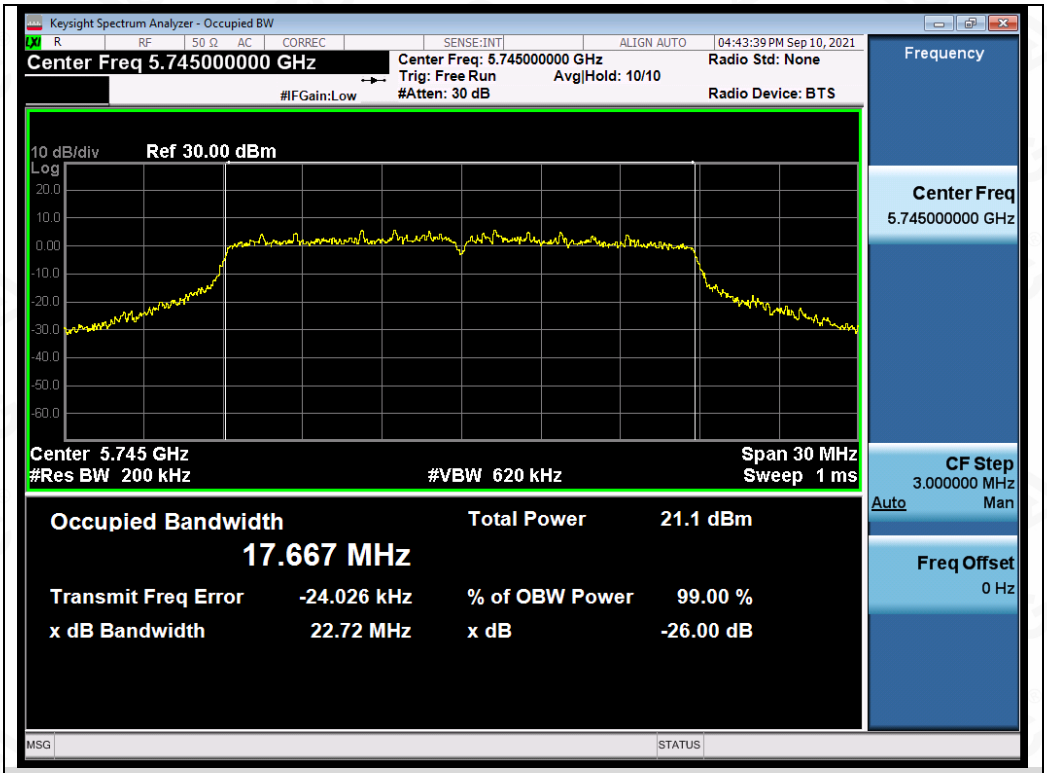
Test_Graph_802.11a_ANT2_5745_6Mbps_OBW



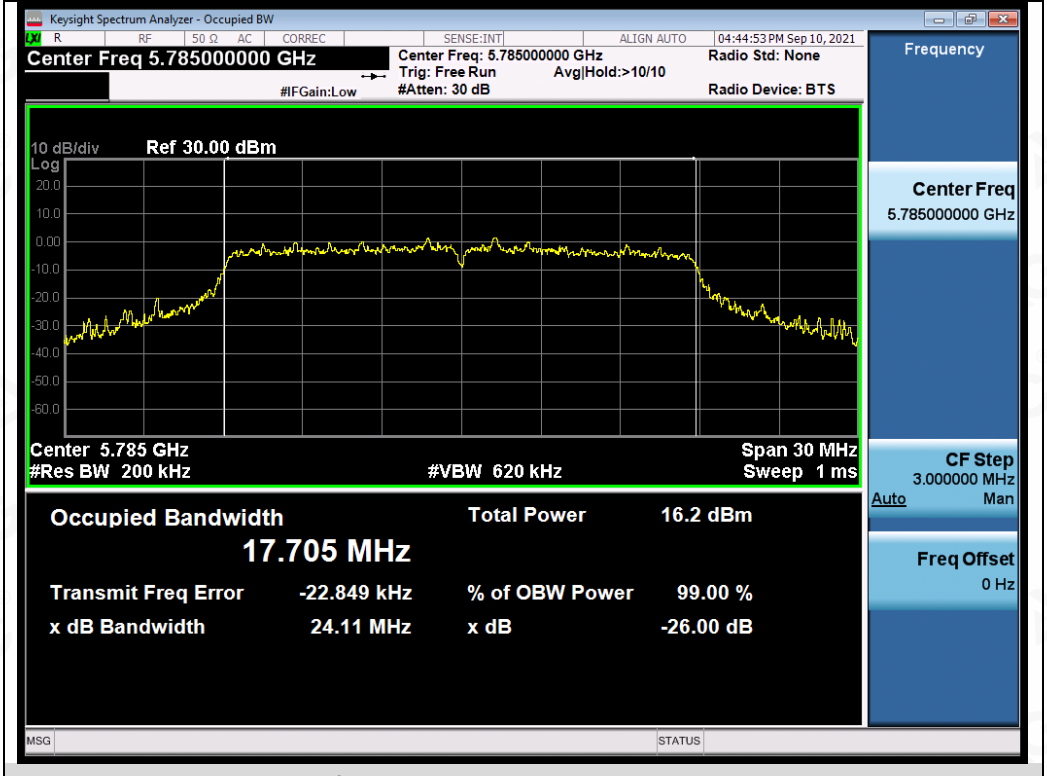
Test_Graph_802.11a_ANT2_5785_6Mbps_OBW



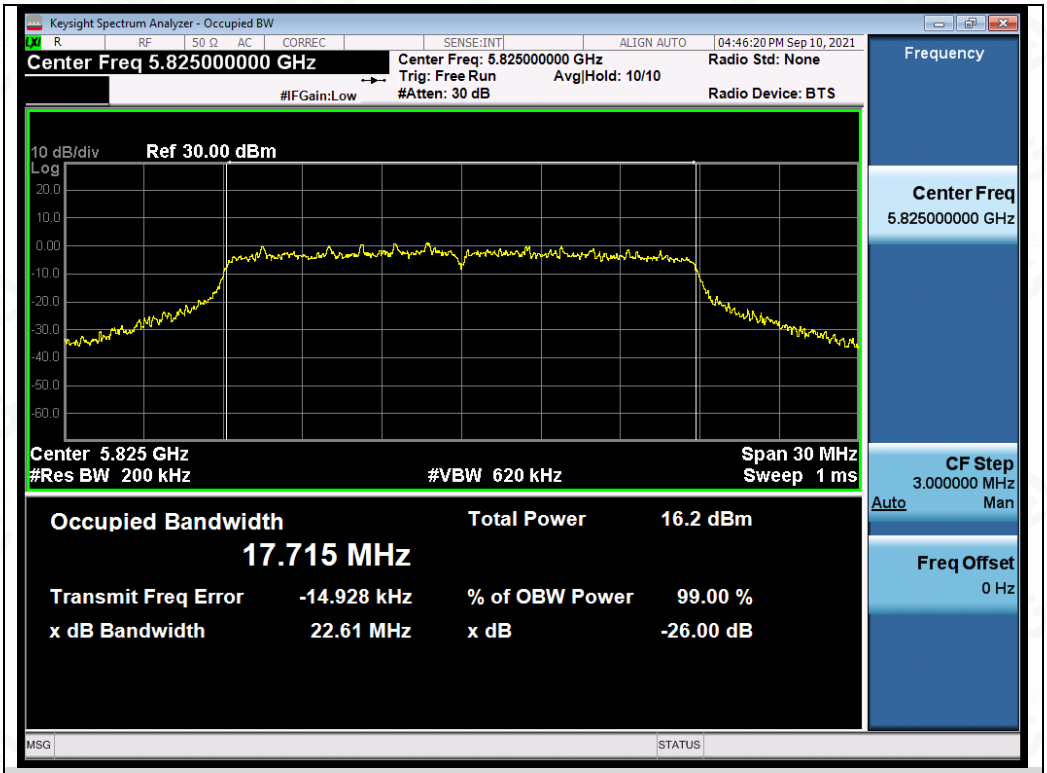
Test_Graph_802.11a_ANT2_5825_6Mbps_OBW



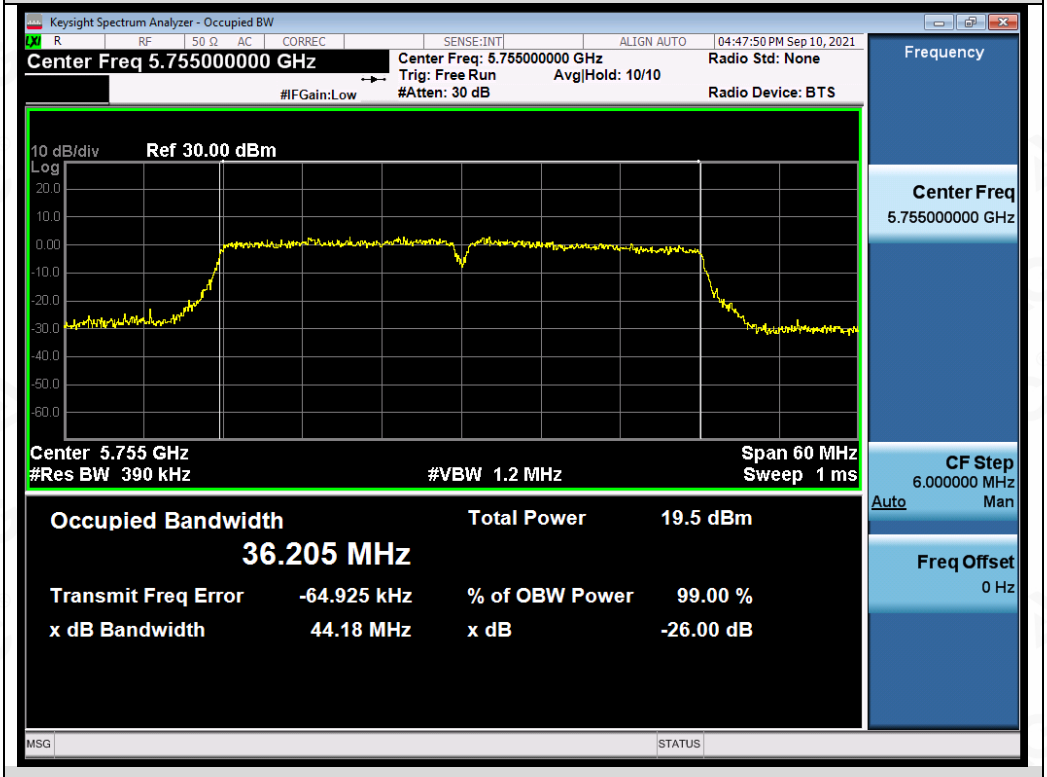
Test_Graph_802.11n20_ANT2_5745_MCS0_OBW



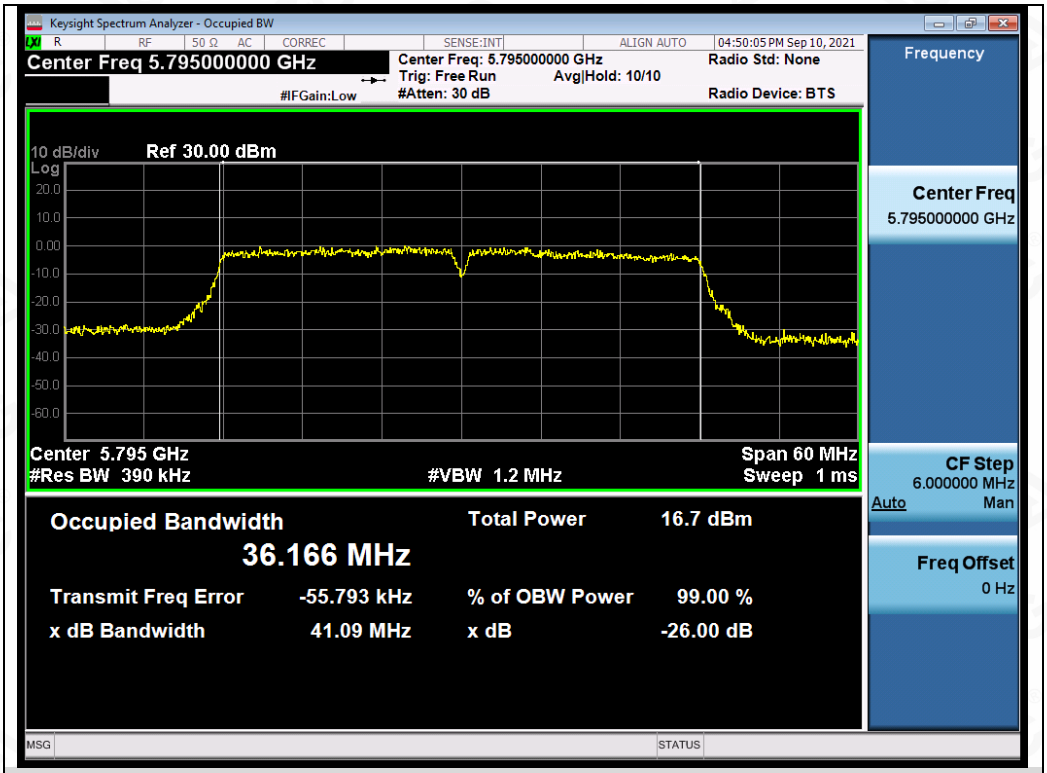
Test_Graph_802.11n20_ANT2_5785_MCS0_OBW



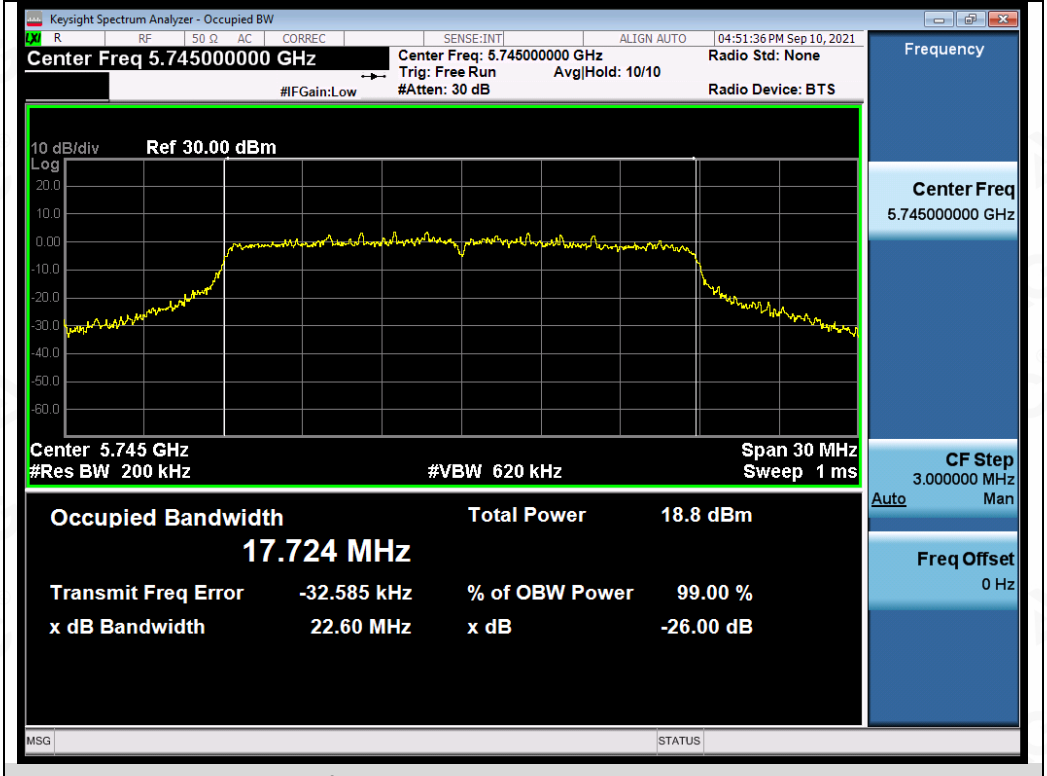
Test_Graph_802.11n20_ANT2_5825_MCS0_OBW



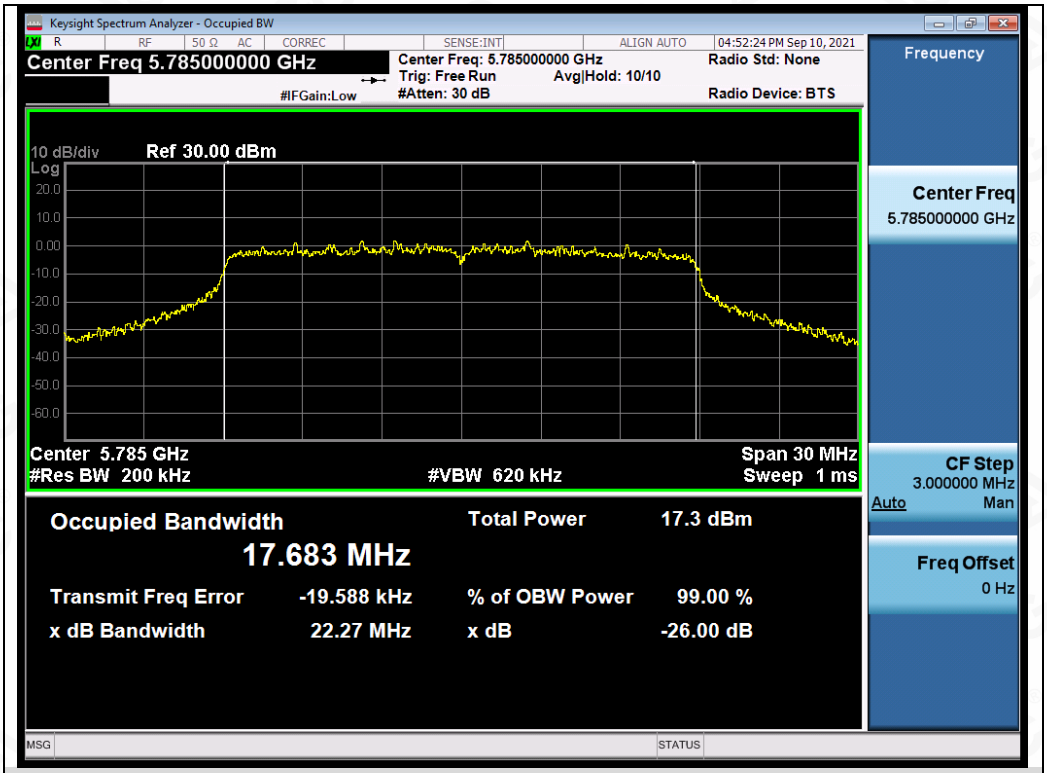
Test_Graph_802.11n40_ANT2_5755_MCS0_OBW



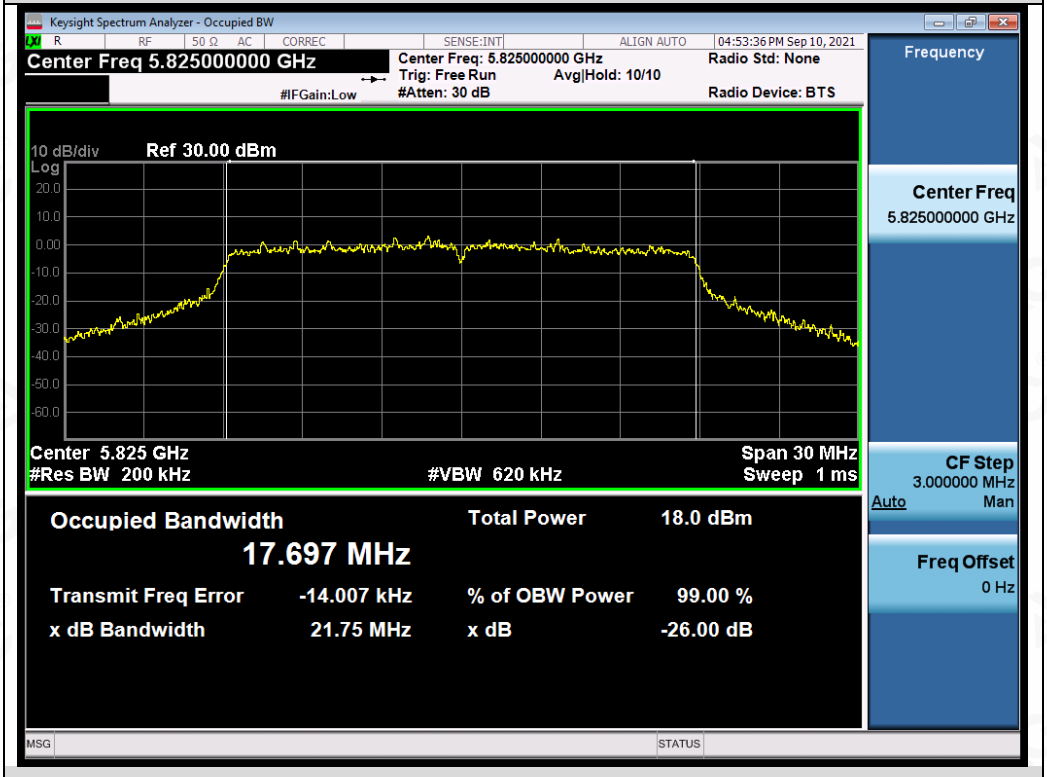
Test_Graph_802.11n40_ANT2_5795_MCS0_OBW



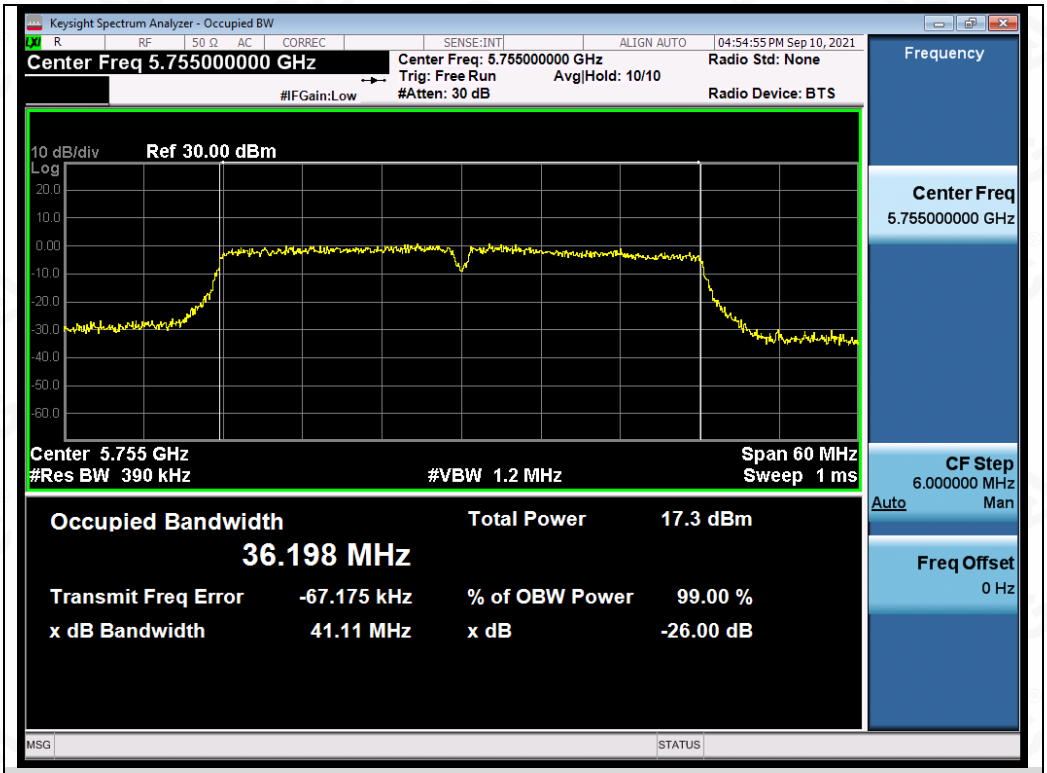
Test_Graph_802.11ac20_ANT2_5745_MCS0_OBW



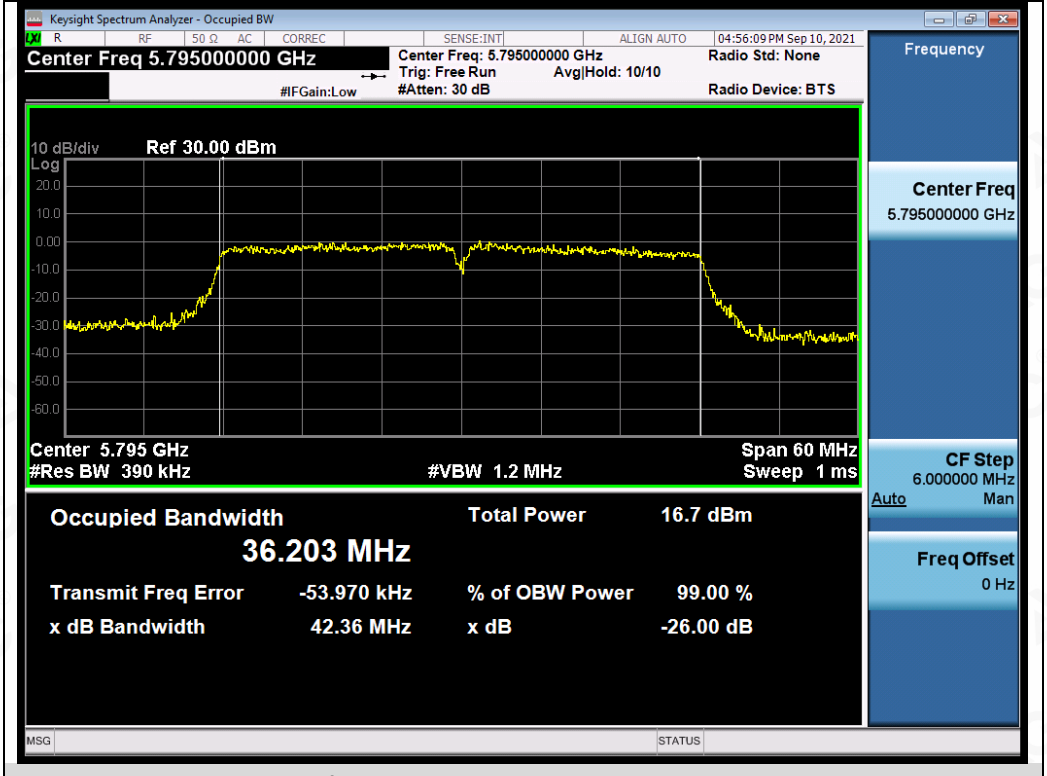
Test_Graph_802.11ac20_ANT2_5785_MCS0_OBW



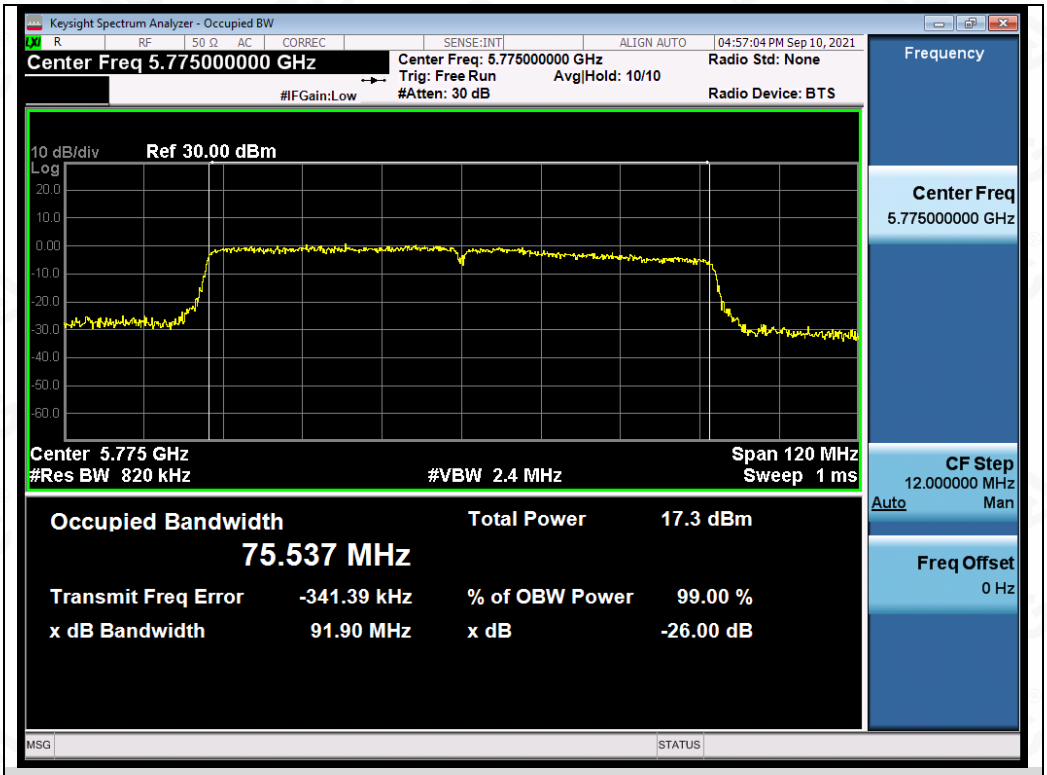
Test_Graph_802.11ac20_ANT2_5825_MCS9_OBW



Test_Graph_802.11ac40_ANT2_5755_MCS9_OBW

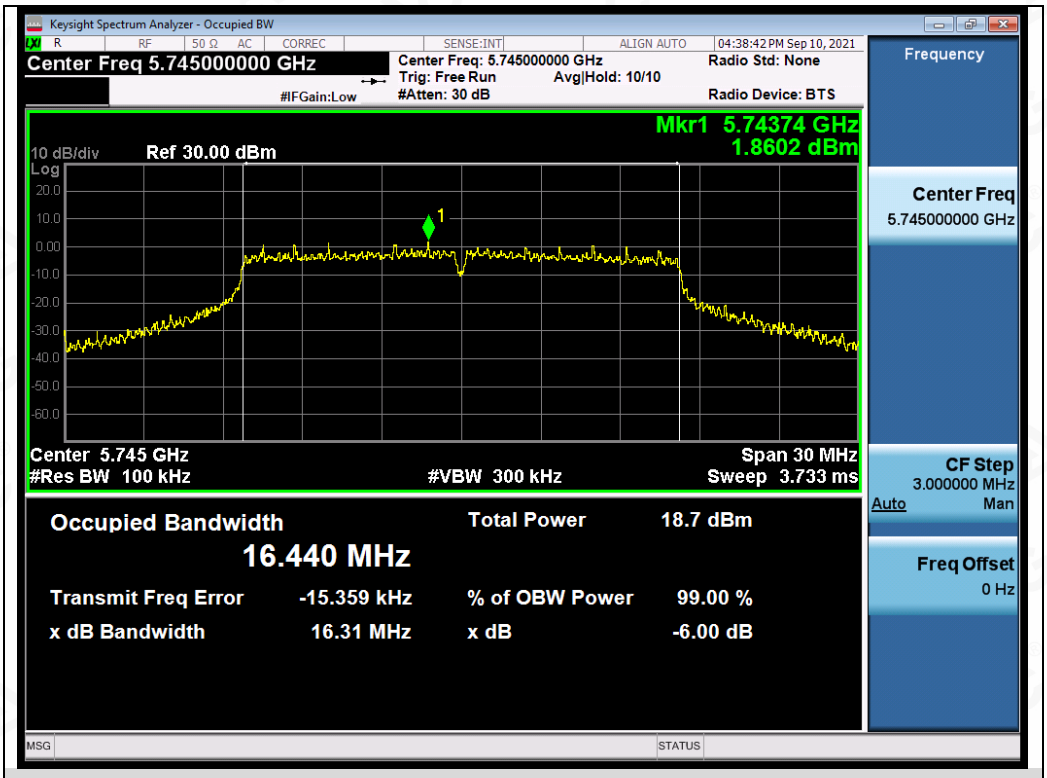


Test_Graph_802.11ac40_ANT2_5795_MCS9_OBW

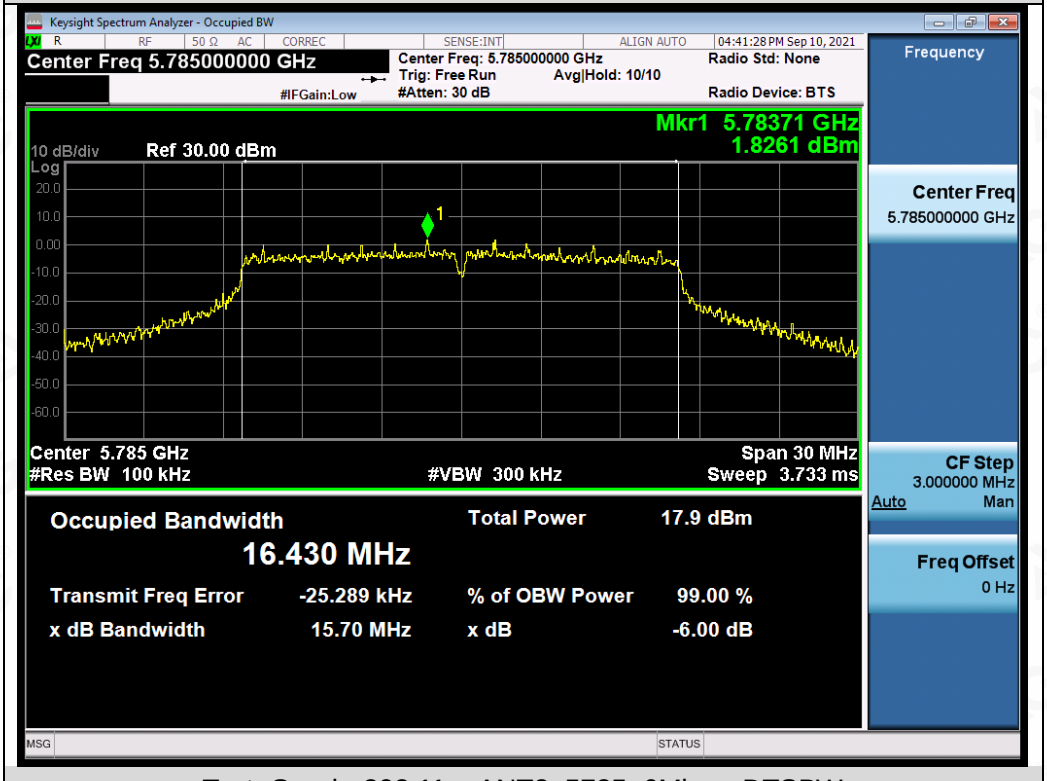


Test_Graph_802.11ac80_ANT2_5775_MCS9_OBW

Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

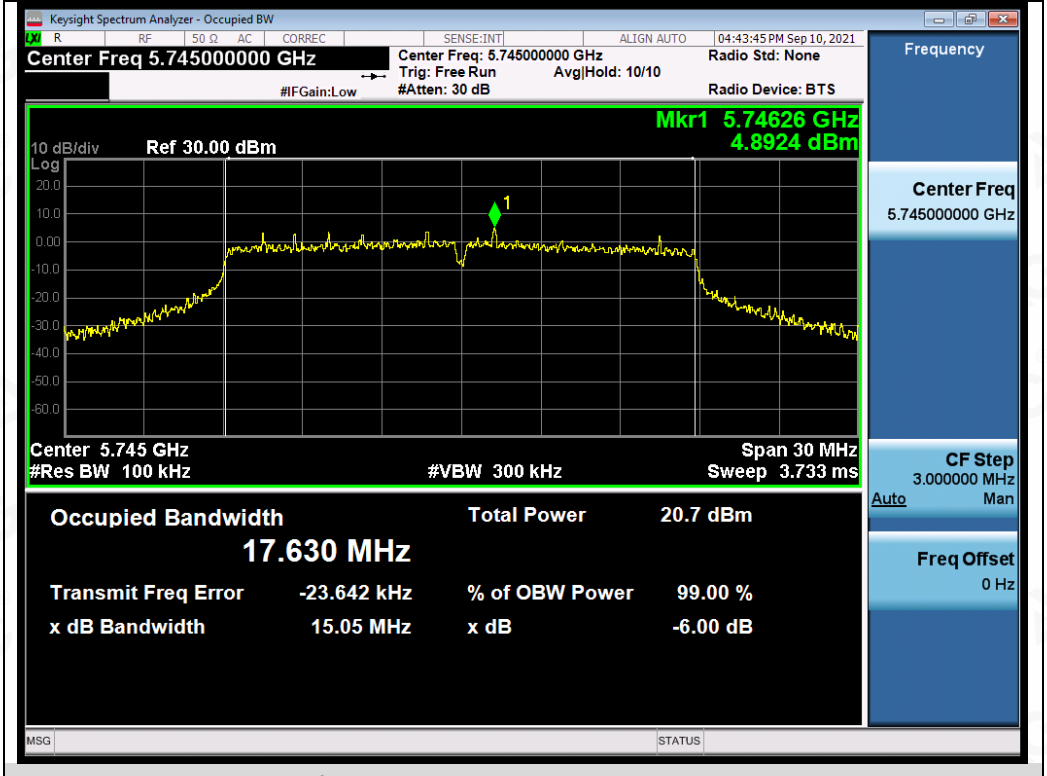


Test_Graph_802.11a_ANT2_5745_6Mbps_DTSBW

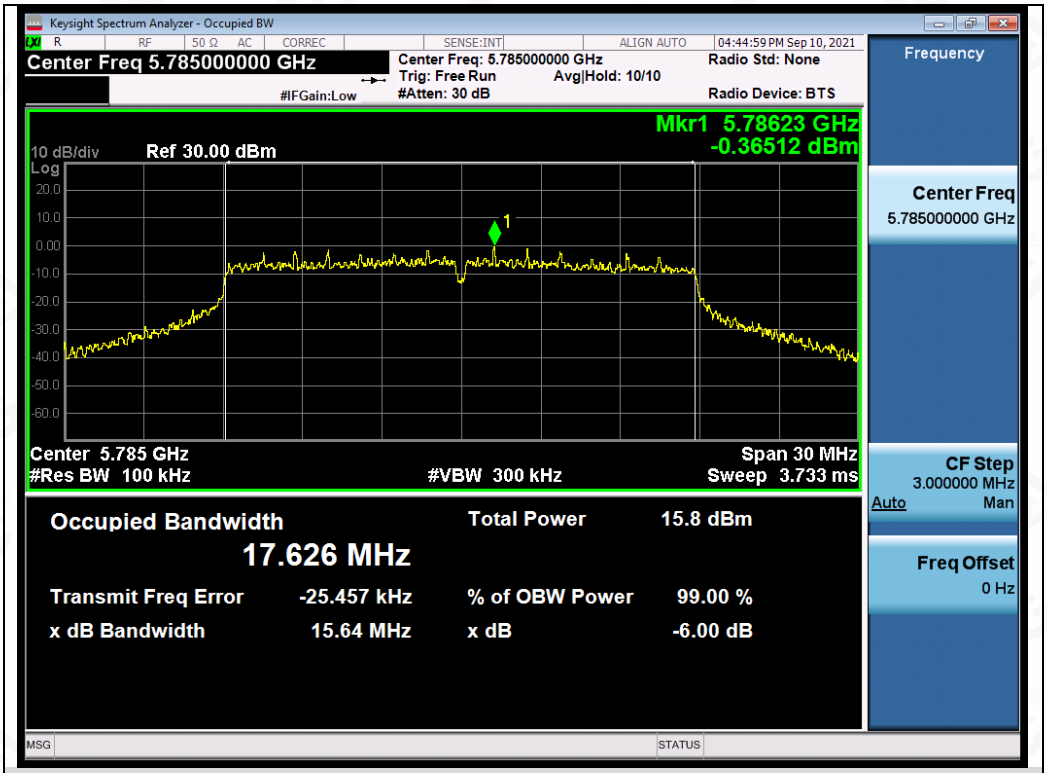


Test_Graph_802.11a_ANT2_5785_6Mbps_DTSBW

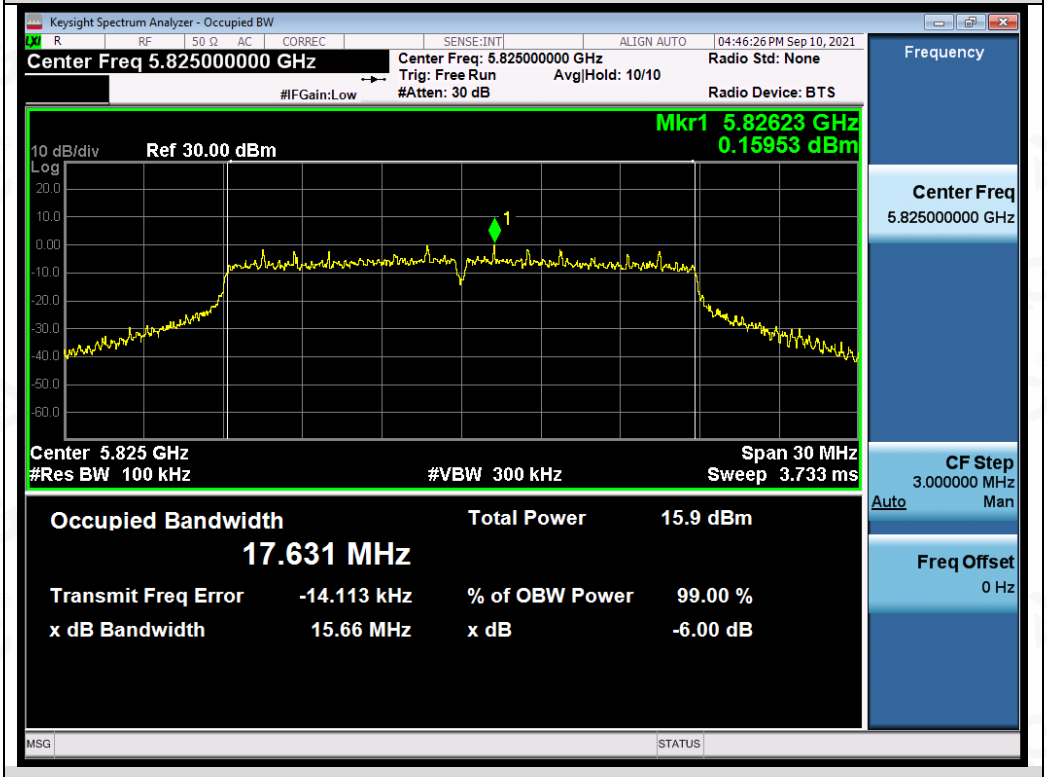
Test_Graph_802.11a_ANT2_5825_6Mbps_DTSBW



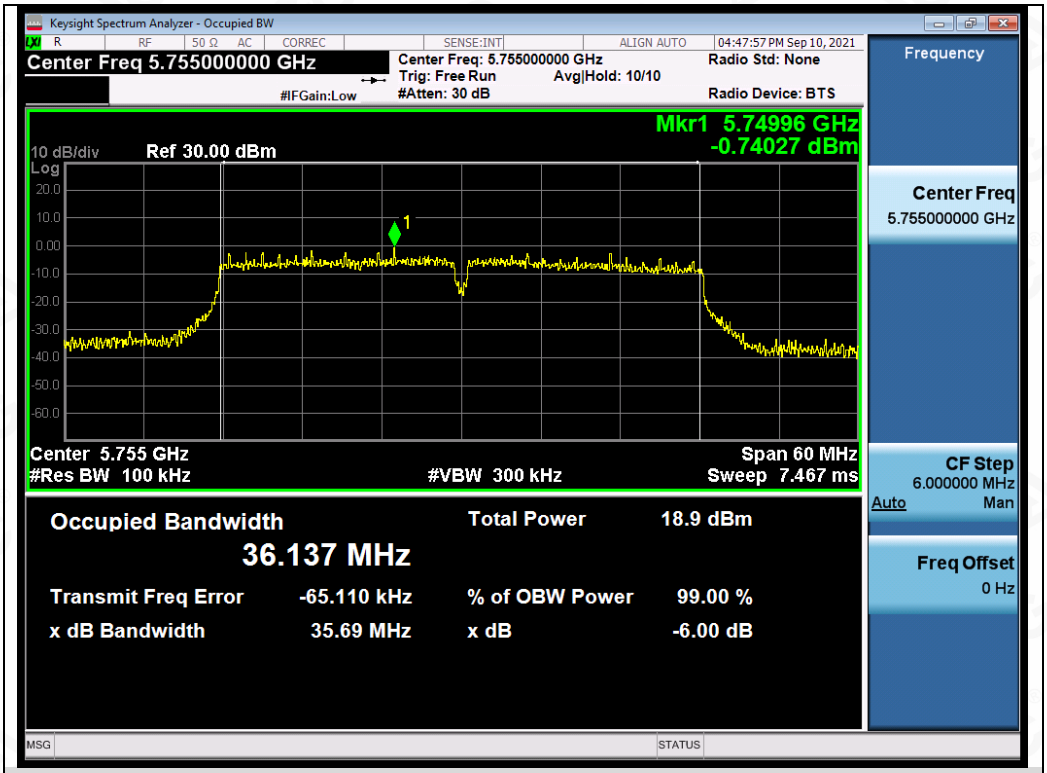
Test_Graph_802.11n20_ANT2_5745_MCS0_DTSBW



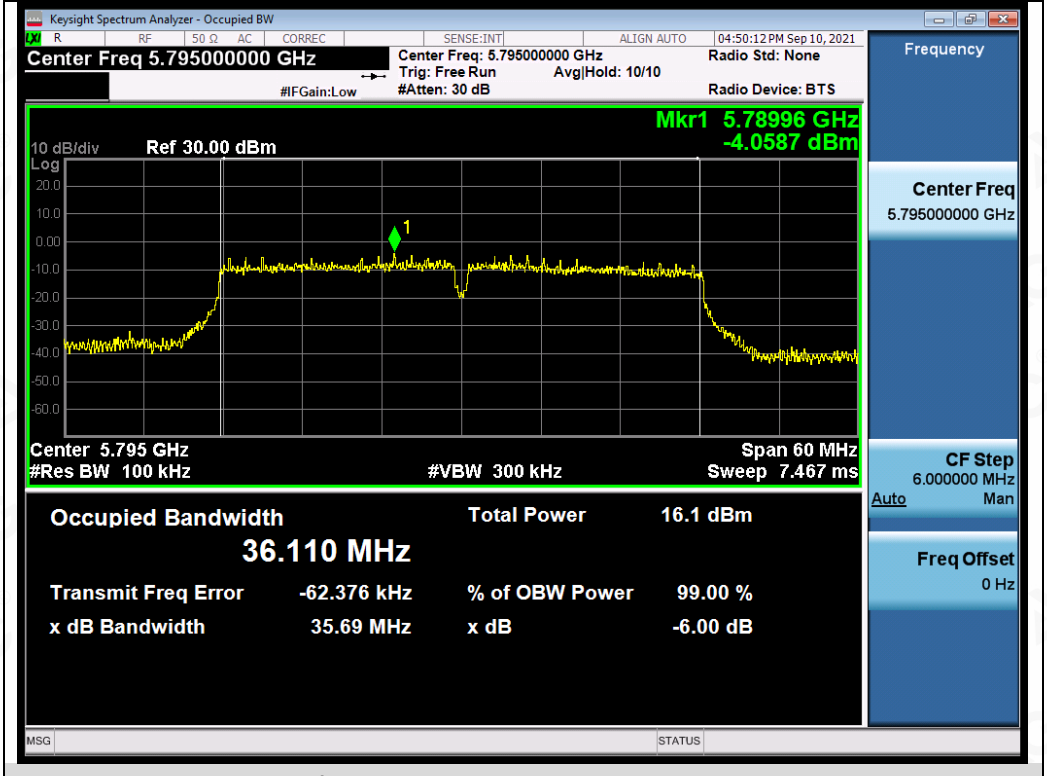
Test_Graph_802.11n20_ANT2_5785_MCS0_DTSBW



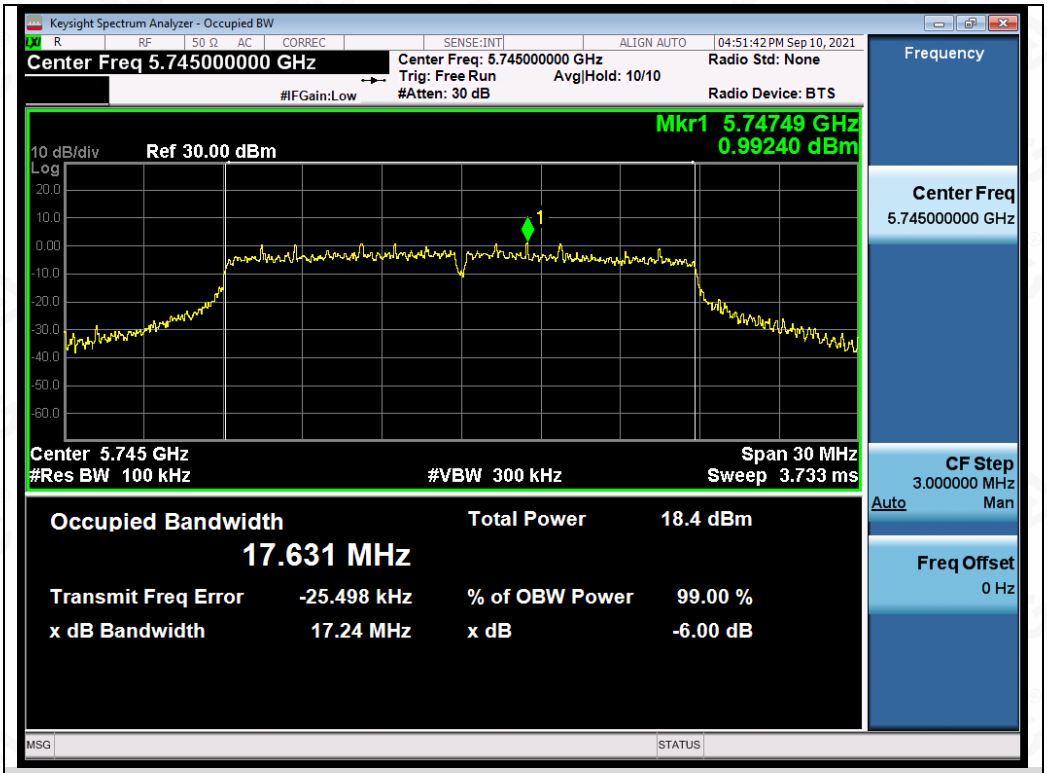
Test_Graph_802.11n20_ANT2_5825_MCS0_DTSBW



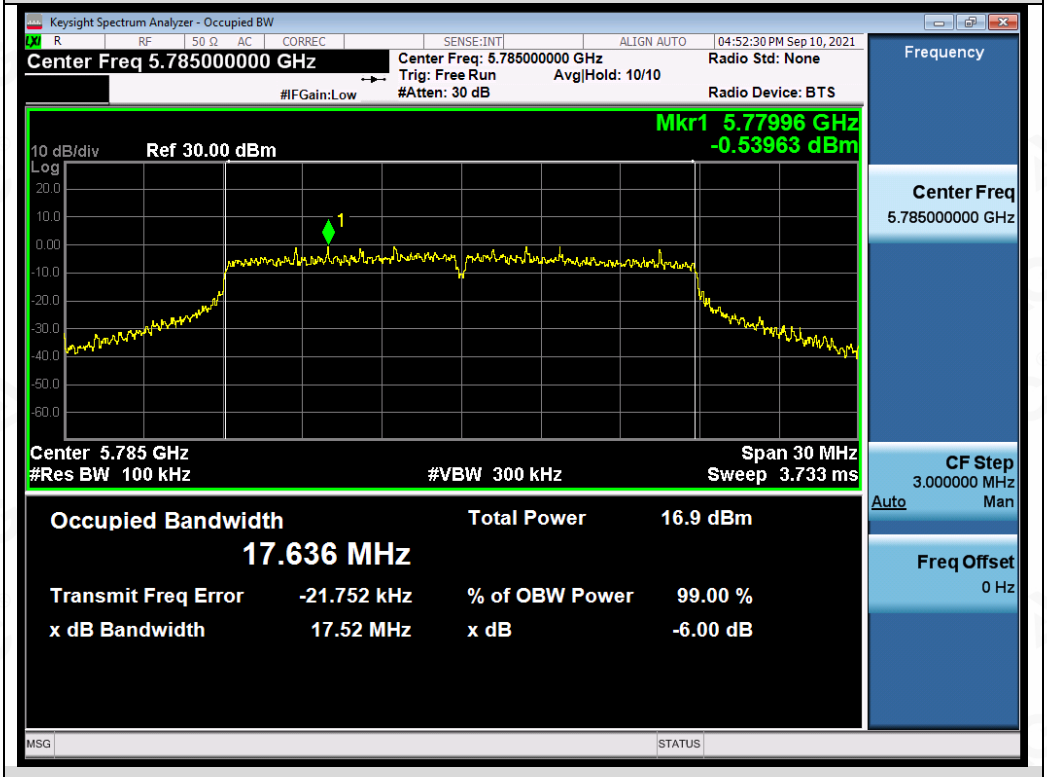
Test_Graph_802.11n40_ANT2_5755_MCS0_DTSBW



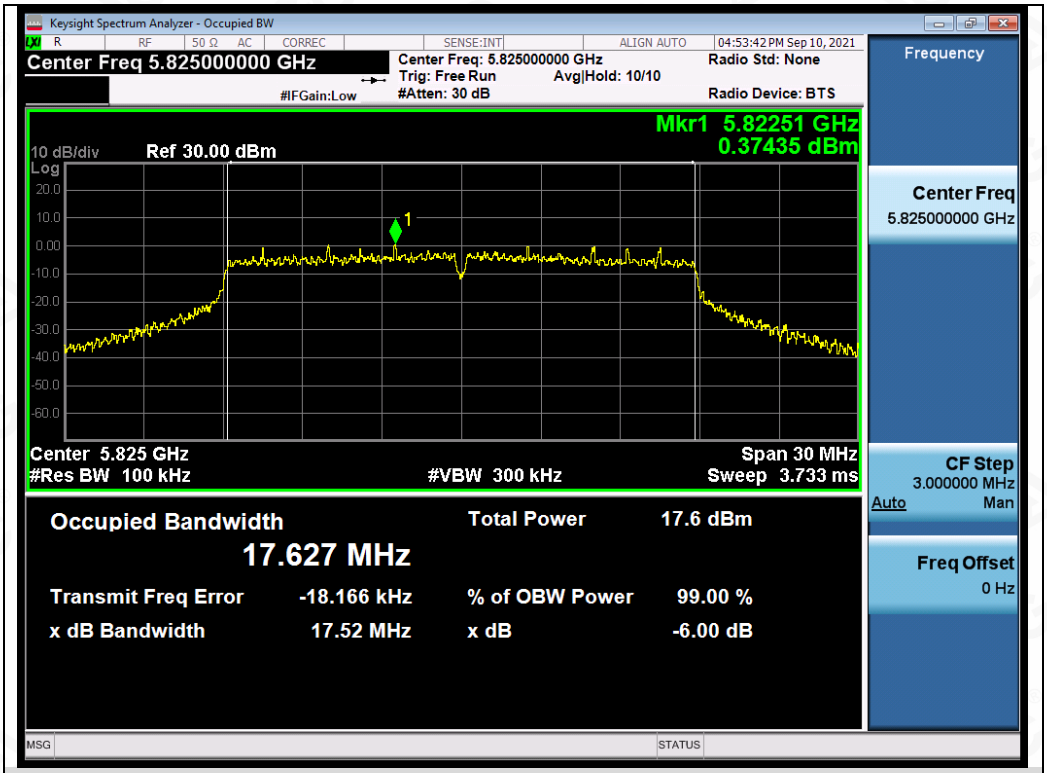
Test_Graph_802.11n40_ANT2_5795_MCS0_DTSBW



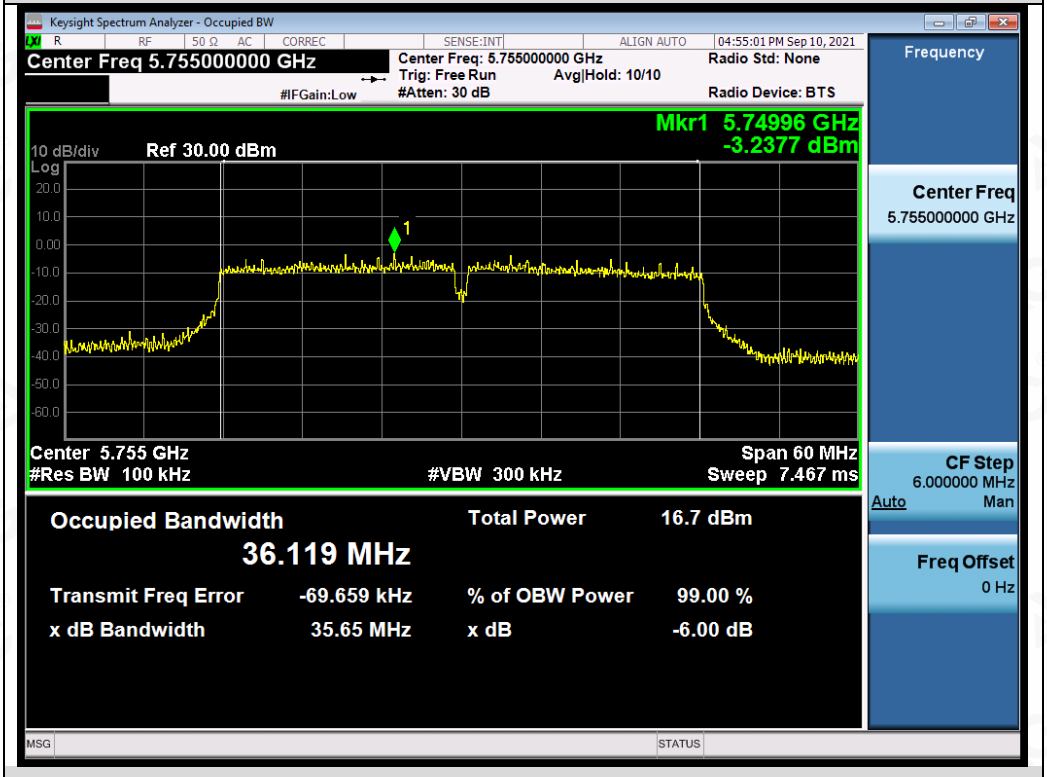
Test_Graph_802.11ac20_ANT2_5745_MCS0_DTSBW



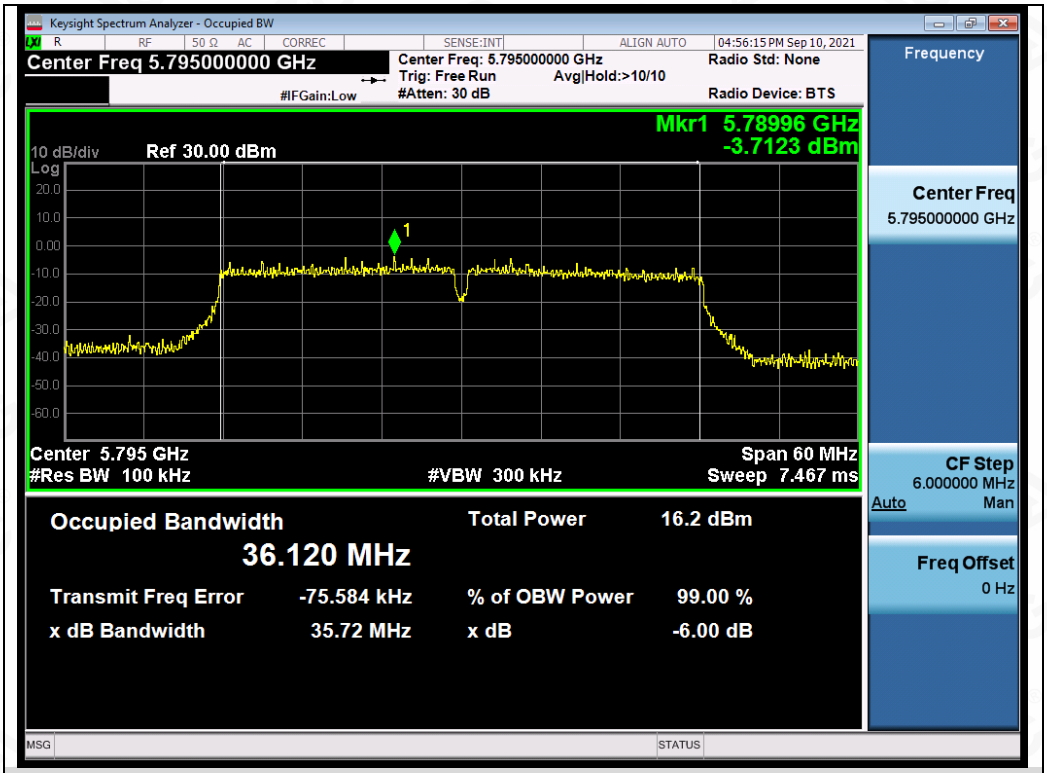
Test_Graph_802.11ac20_ANT2_5785_MCS0_DTSBW



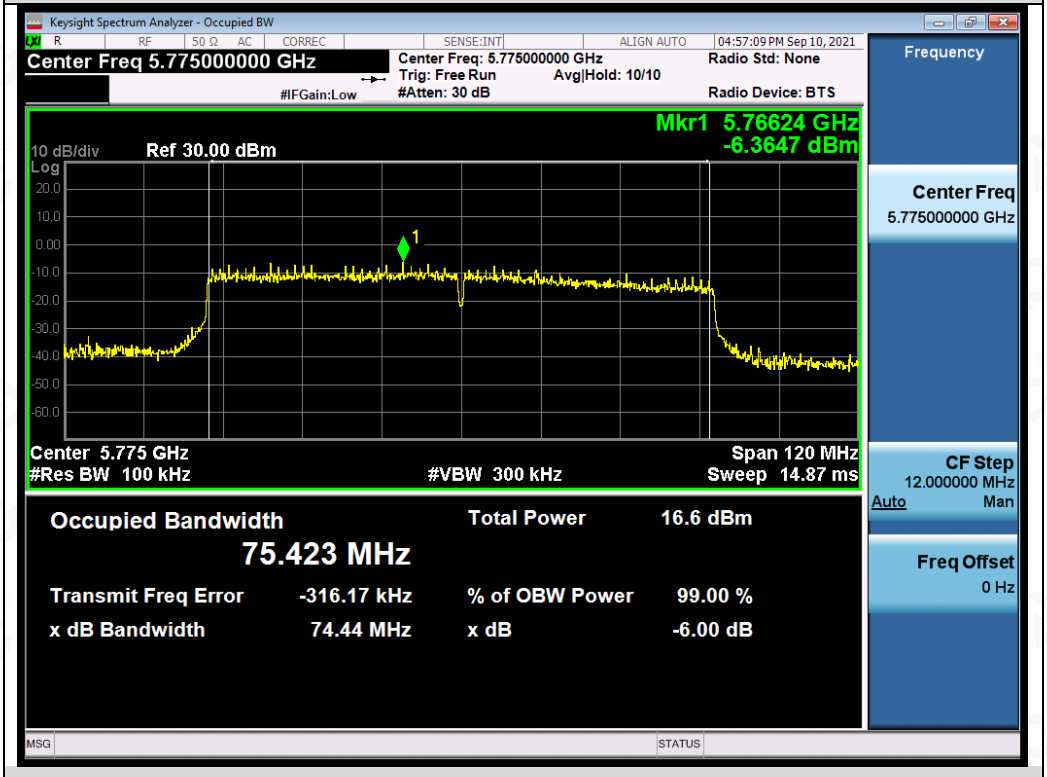
Test_Graph_802.11ac20_ANT2_5825_MCS9_DTSBW



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-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	4.176	11	Pass
	5200	3.120	11	Pass
	5240	2.382	11	Pass
802.11n20	5180	4.061	11	Pass
	5200	2.616	11	Pass
	5240	1.822	11	Pass
802.11n40	5190	0.843	11	Pass
	5230	-0.370	11	Pass
802.11ac20	5180	3.767	11	Pass
	5200	1.908	11	Pass
	5240	1.015	11	Pass
802.11ac40	5190	-0.146	11	Pass
	5230	-1.077	11	Pass
802.11ac80	5210	-4.684	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	4.741	11	Pass
	5300	5.137	11	Pass
	5320	5.843	11	Pass
802.11n20	5260	2.338	11	Pass
	5300	3.510	11	Pass
	5320	3.764	11	Pass
802.11n40	5270	0.641	11	Pass
	5310	0.791	11	Pass
802.11ac20	5260	2.386	11	Pass
	5300	1.596	11	Pass
	5320	2.870	11	Pass
802.11ac40	5270	0.657	11	Pass
	5310	0.333	11	Pass
802.11ac80	5290	1.043	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	3.233	11	Pass
	5600	4.133	11	Pass
	5700	5.415	11	Pass
802.11n20	5500	2.997	11	Pass
	5600	3.823	11	Pass
	5700	2.959	11	Pass
802.11n40	5510	-1.207	11	Pass
	5590	-0.555	11	Pass
802.11ac20	5670	0.069	11	Pass
	5500	2.958	11	Pass
	5600	1.780	11	Pass
802.11ac40	5700	3.155	11	Pass
	5510	-1.359	11	Pass
802.11ac80	5610	-4.902	11	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	0.509	30	Pass
	5785	0.233	30	Pass
	5825	0.660	30	Pass
802.11n20	5745	0.174	30	Pass
	5785	-0.956	30	Pass
	5825	-1.518	30	Pass
802.11n40	5755	-3.802	30	Pass
	5795	-4.504	30	Pass
802.11ac20	5745	0.069	30	Pass
	5785	-1.352	30	Pass
	5825	-1.795	30	Pass
802.11ac40	5755	-3.963	30	Pass
	5795	-4.371	30	Pass
802.11ac80	5775	-6.645	30	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	3.644	11	Pass
	5200	2.600	11	Pass
	5240	1.849	11	Pass
802.11n20	5180	3.233	11	Pass
	5200	2.203	11	Pass
	5240	1.438	11	Pass
802.11n40	5190	0.445	11	Pass
	5230	-0.772	11	Pass
802.11ac20	5180	3.368	11	Pass
	5200	2.199	11	Pass
	5240	1.378	11	Pass
802.11ac40	5190	0.449	11	Pass
	5230	-0.940	11	Pass
802.11ac80	5210	-3.097	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	3.927	11	Pass
	5300	4.529	11	Pass
	5320	5.548	11	Pass
802.11n20	5260	1.922	11	Pass
	5300	4.112	11	Pass
	5320	2.550	11	Pass
802.11n40	5270	0.156	11	Pass
	5310	-0.310	11	Pass
802.11ac20	5260	1.885	11	Pass
	5300	4.039	11	Pass
	5320	2.450	11	Pass
802.11ac40	5270	0.093	11	Pass
	5310	-0.135	11	Pass
802.11ac80	5290	-2.394	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	2.982	11	Pass
	5600	3.917	11	Pass
	5700	4.274	11	Pass
802.11n20	5500	1.687	11	Pass
	5600	2.551	11	Pass
	5700	3.887	11	Pass
802.11n40	5510	-12.582	11	Pass
	5590	-0.292	11	Pass
802.11ac20	5670	0.084	11	Pass
	5500	0.381	11	Pass
	5600	2.095	11	Pass
802.11ac40	5700	3.301	11	Pass
	5510	-1.675	11	Pass
802.11ac80	5610	-3.987	11	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	0.628	30	Pass
	5785	-0.234	30	Pass
	5825	-0.490	30	Pass
802.11n20	5745	-1.486	30	Pass
	5785	-1.146	30	Pass
	5825	-1.680	30	Pass
802.11n40	5755	-3.576	30	Pass
	5795	-4.755	30	Pass
802.11ac20	5745	-0.272	30	Pass
	5785	-1.527	30	Pass
	5825	-0.867	30	Pass
802.11ac40	5755	-3.986	30	Pass
	5795	-4.402	30	Pass
802.11ac80	5775	-8.104	30	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-ANT 1+ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5180	6.93	11	Pass
	5200	5.88	11	Pass
	5240	5.13	11	Pass
802.11n20	5180	6.68	11	Pass
	5200	5.42	11	Pass
	5240	4.64	11	Pass
802.11n40	5190	3.66	11	Pass
	5230	2.44	11	Pass
802.11ac20	5180	6.58	11	Pass
	5200	5.07	11	Pass
	5240	4.21	11	Pass
802.11ac40	5190	3.17	11	Pass
	5230	2.00	11	Pass
802.11ac80	5210	-0.81	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-ANT 1+ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	7.36	11	Pass
	5300	7.85	11	Pass
	5320	8.71	11	Pass
802.11n20	5260	5.15	11	Pass
	5300	6.83	11	Pass
	5320	6.21	11	Pass
802.11n40	5270	3.42	11	Pass
	5310	3.29	11	Pass
802.11ac20	5260	5.15	11	Pass
	5300	6.00	11	Pass
	5320	5.68	11	Pass
802.11ac40	5270	3.39	11	Pass
	5310	3.12	11	Pass
802.11ac80	5290	2.67	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz-ANT 1+ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	6.12	11	Pass
	5600	7.04	11	Pass
	5700	7.89	11	Pass
802.11n20	5500	5.40	11	Pass
	5600	6.24	11	Pass
	5700	6.46	11	Pass
802.11n40	5510	-0.90	11	Pass
	5590	2.59	11	Pass
802.11ac20	5670	3.09	11	Pass
	5500	4.87	11	Pass
	5600	4.95	11	Pass
802.11ac40	5700	6.24	11	Pass
	5510	1.50	11	Pass
802.11ac80	5610	-1.41	11	Pass

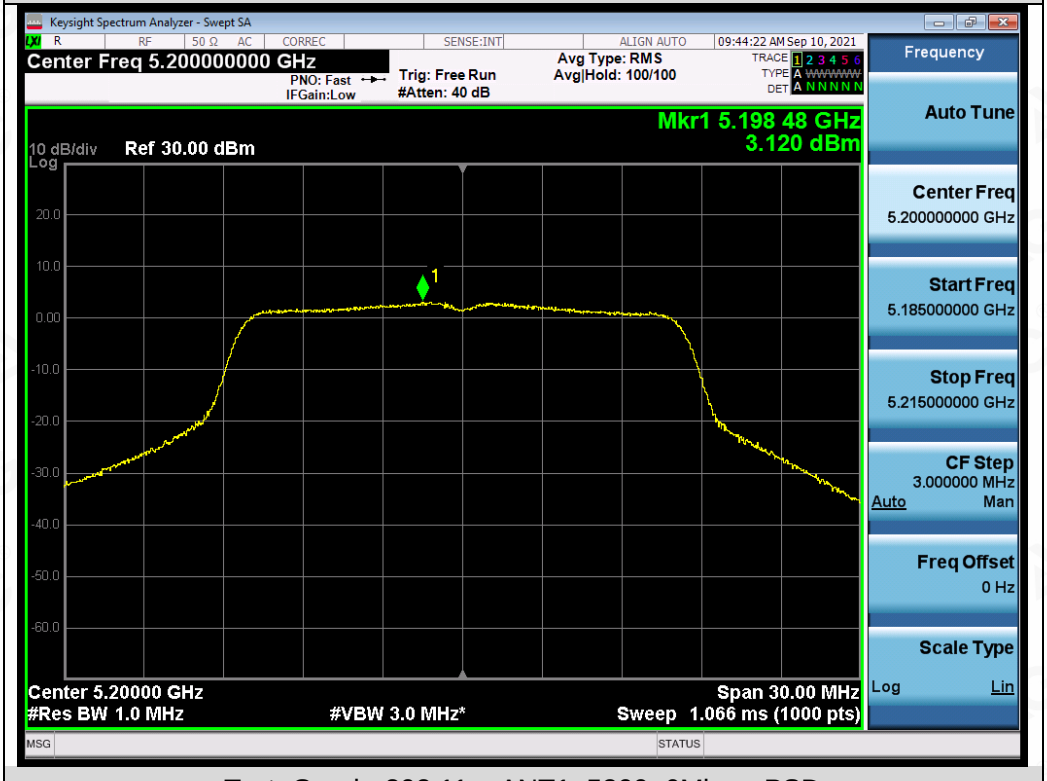
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-ANT 1+ANT 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	3.58	30	Pass
	5785	3.02	30	Pass
	5825	3.13	30	Pass
802.11n20	5745	2.43	30	Pass
	5785	1.96	30	Pass
	5825	1.41	30	Pass
802.11n40	5755	-0.68	30	Pass
	5795	-1.62	30	Pass
802.11ac20	5745	2.91	30	Pass
	5785	1.57	30	Pass
	5825	1.70	30	Pass
802.11ac40	5755	-0.96	30	Pass
	5795	-1.38	30	Pass
802.11ac80	5775	-4.30	30	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)

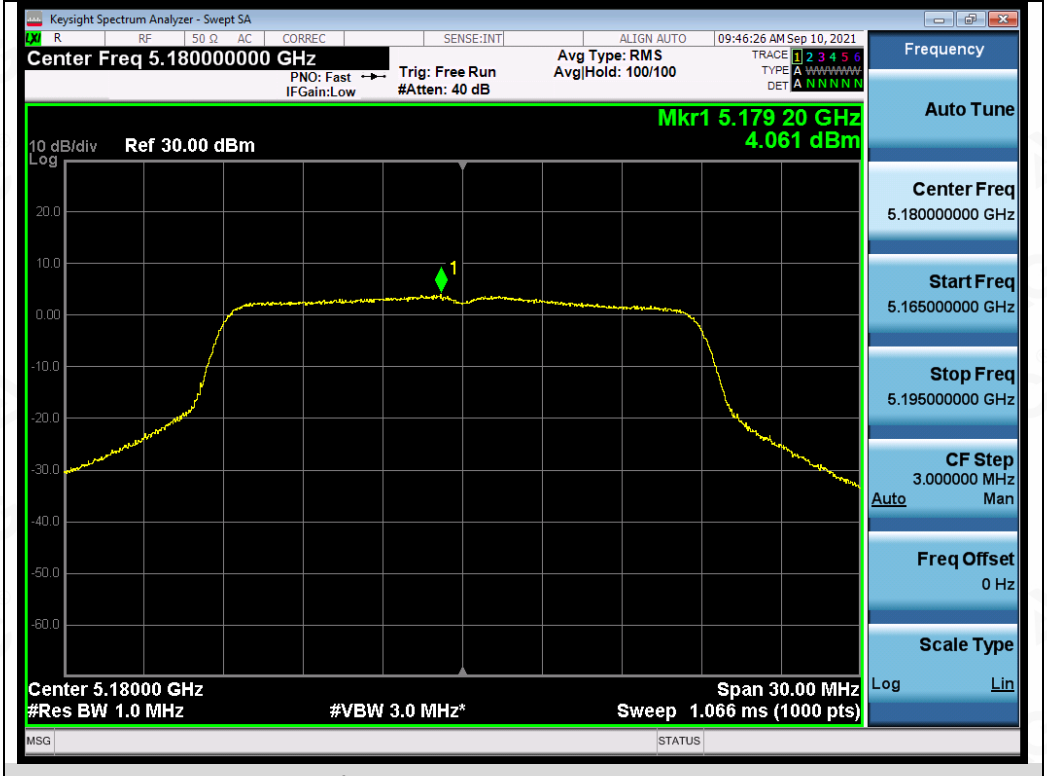
Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz-ANT 1

Test_Graph_802.11a_ANT1_5180_6Mbps_PSD



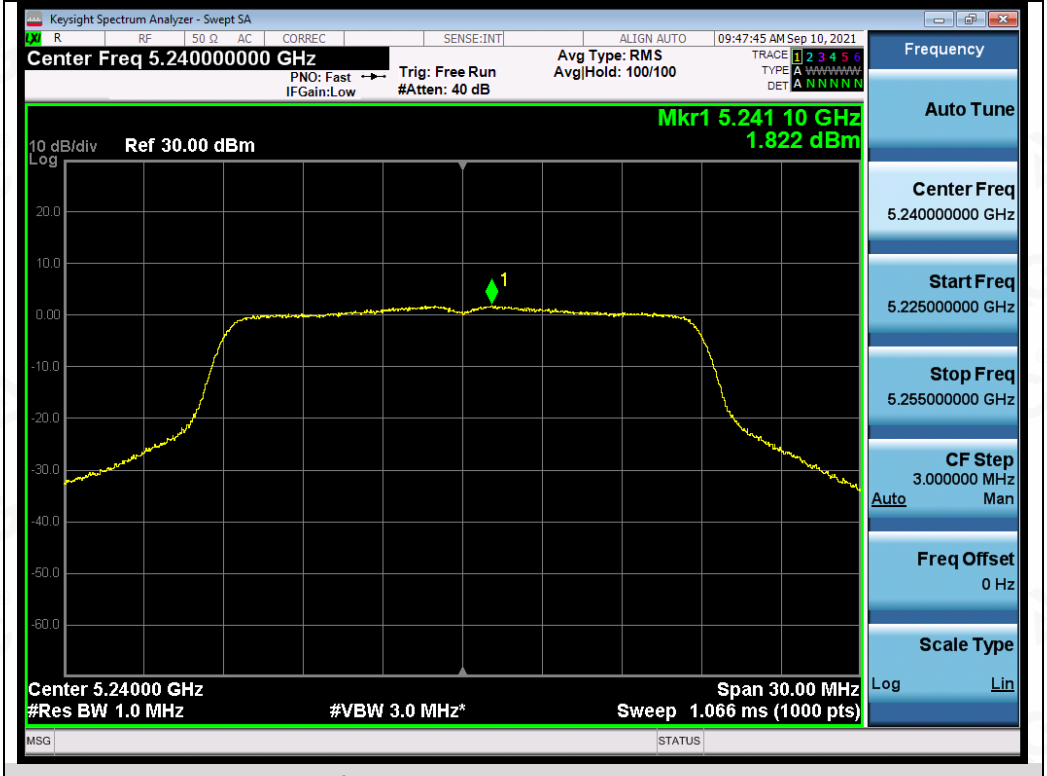
Test_Graph_802.11a_ANT1_5200_6Mbps_PSD

Test_Graph_802.11a_ANT1_5240_6Mbps_PSD



Test_Graph_802.11n20_ANT1_5180_MCS0_PSD

Test_Graph_802.11n20_ANT1_5200_MCS0_PSD

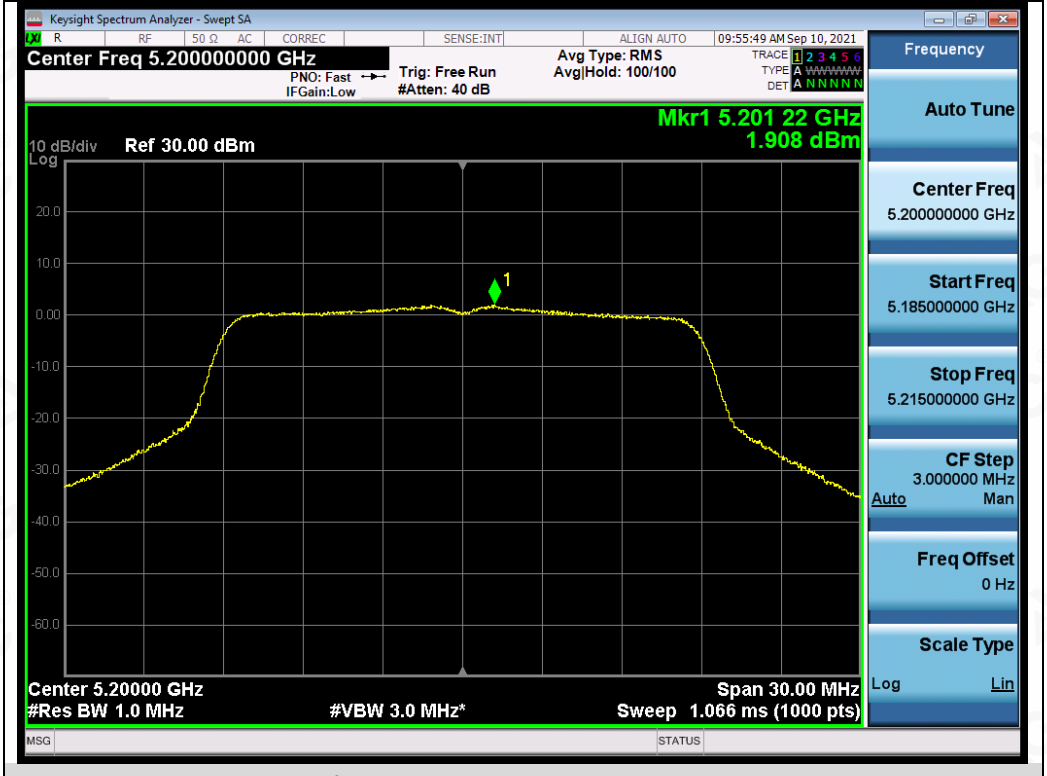


Test_Graph_802.11n20_ANT1_5240_MCS0_PSD

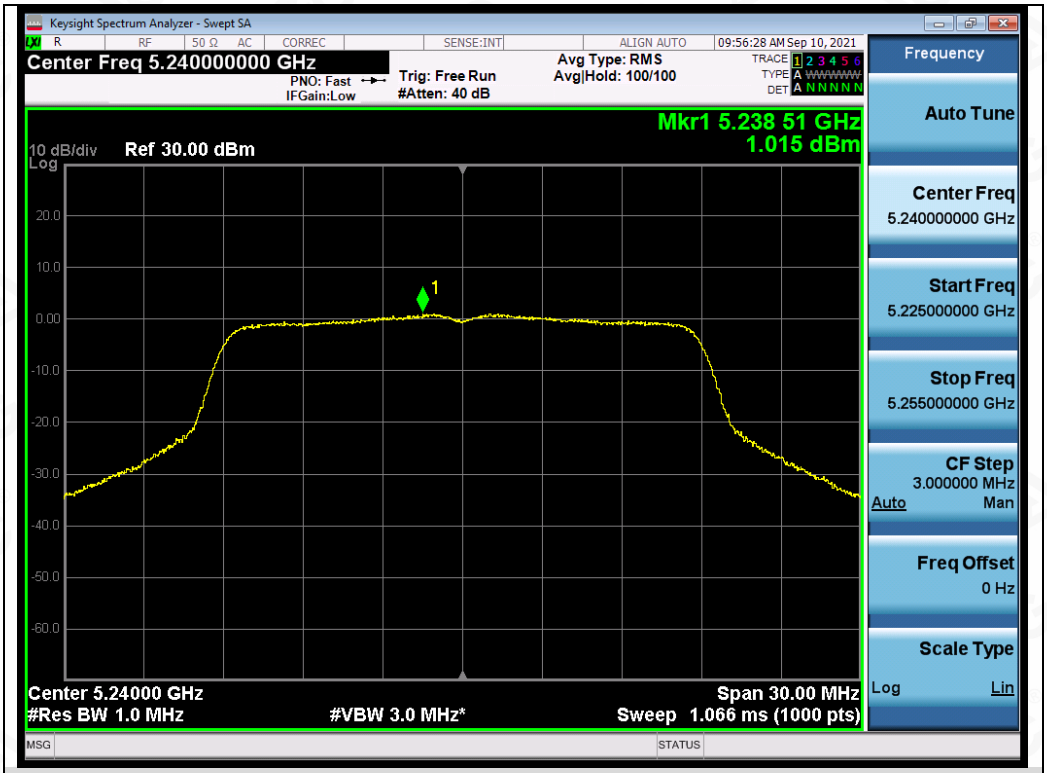
Test_Graph_802.11n40_ANT1_5190_MCS0_PSD

Test_Graph_802.11n40_ANT1_5230_MCS0_PSD

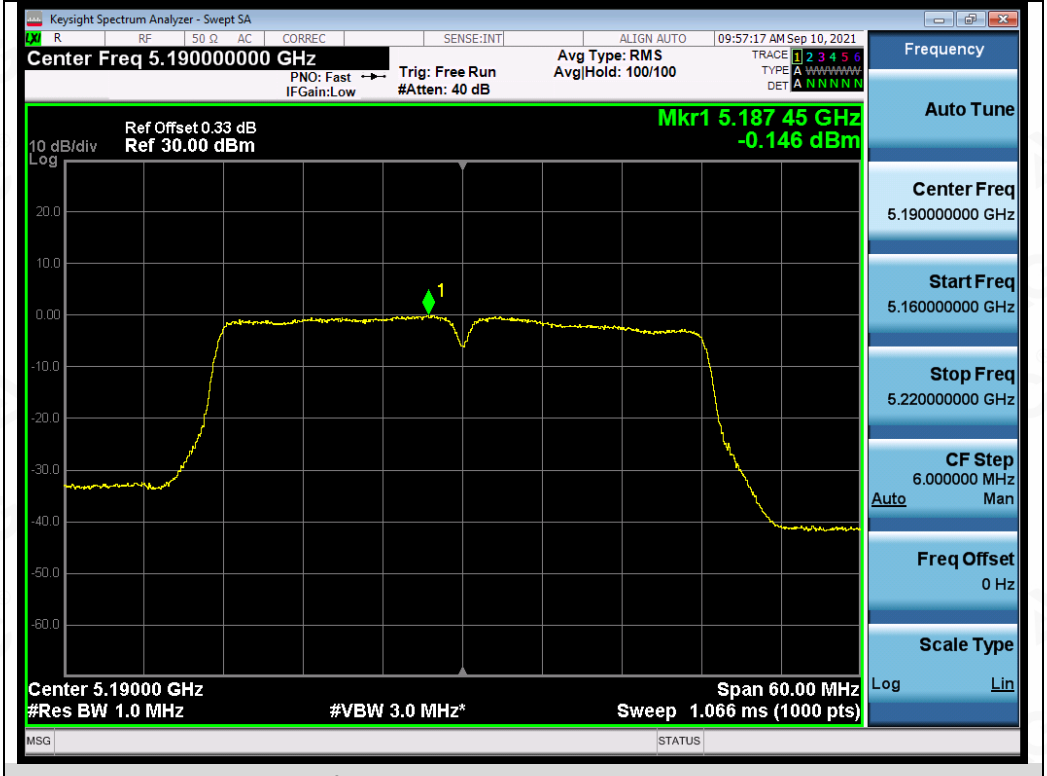
Test_Graph_802.11ac20_ANT1_5180_MCS0_PSD



Test_Graph_802.11ac20_ANT1_5200_MCS0_PSD

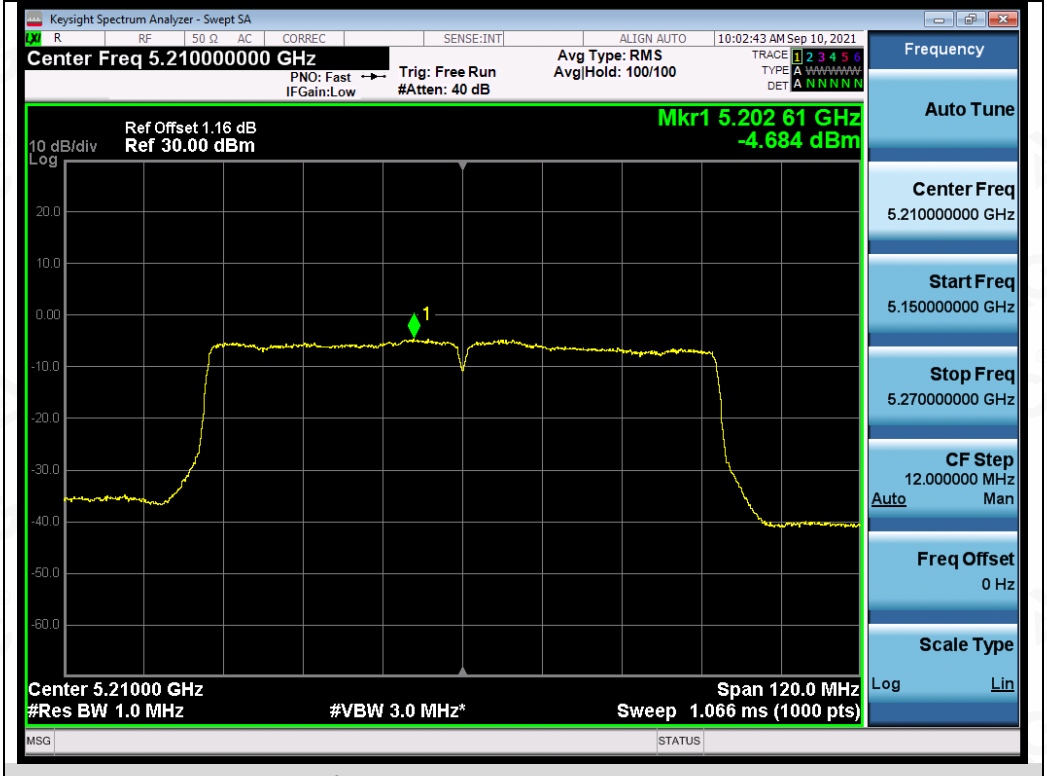


Test_Graph_802.11ac20_ANT1_5240_MCS9_PSD



Test_Graph_802.11ac40_ANT1_5190_MCS9_PSD

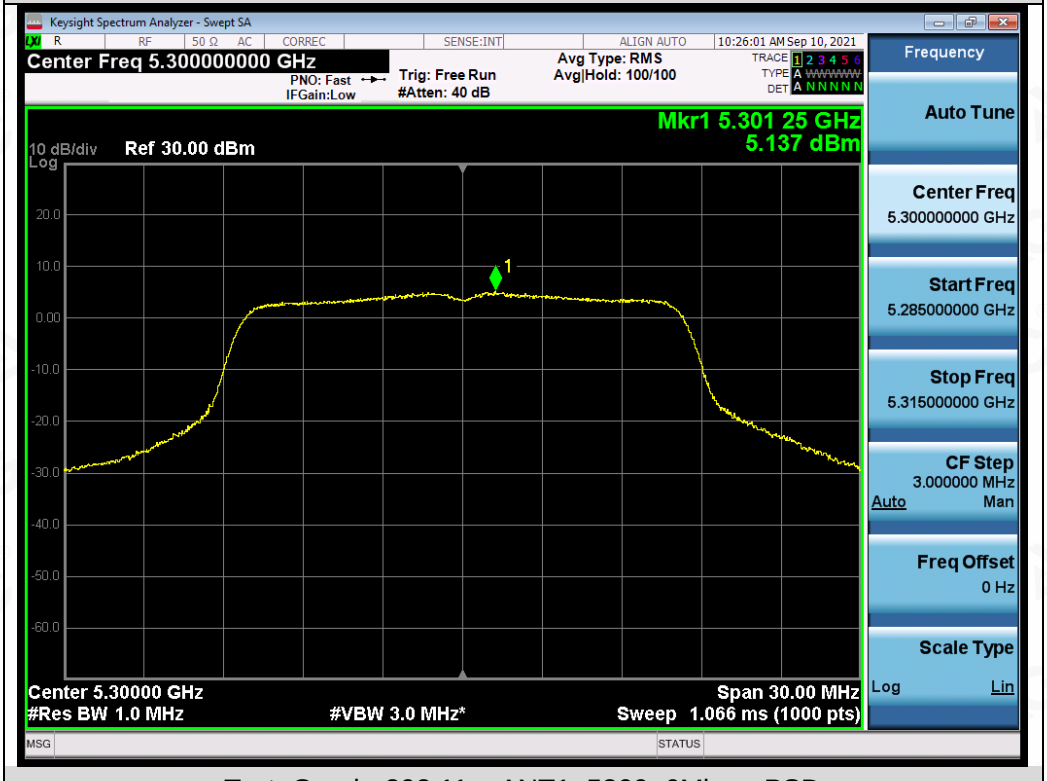
Test_Graph_802.11ac40_ANT1_5230_MCS9_PSD



Test_Graph_802.11ac80_ANT1_5210_MCS9_PSD

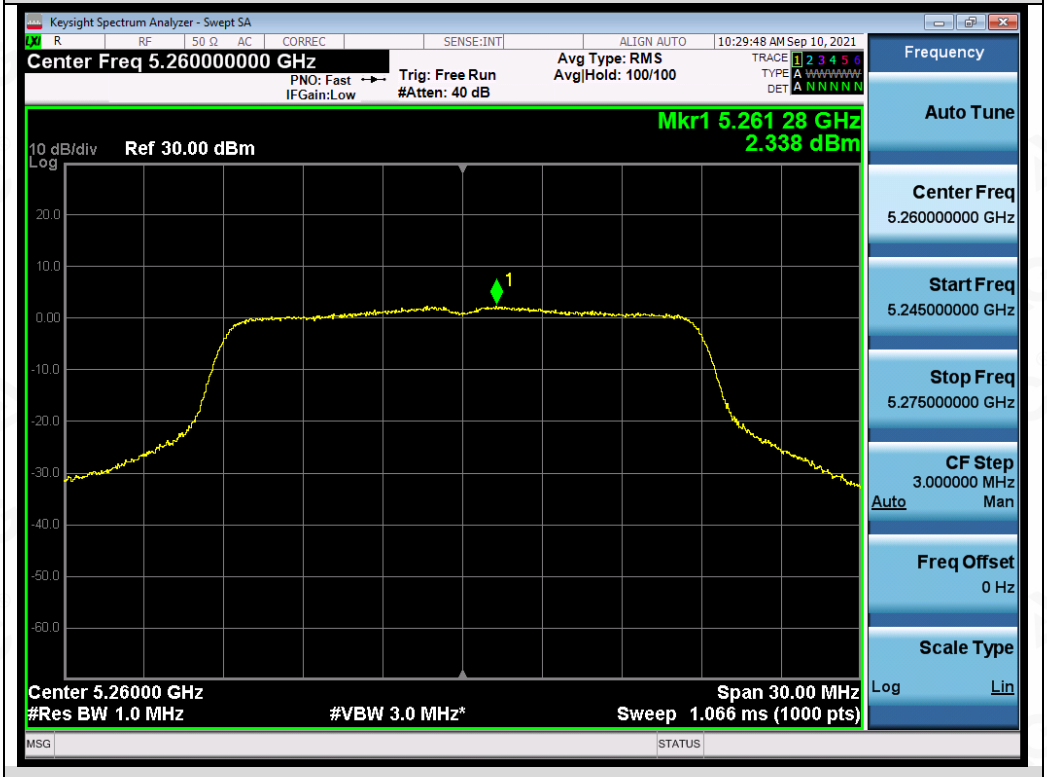
Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz-ANT 1

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