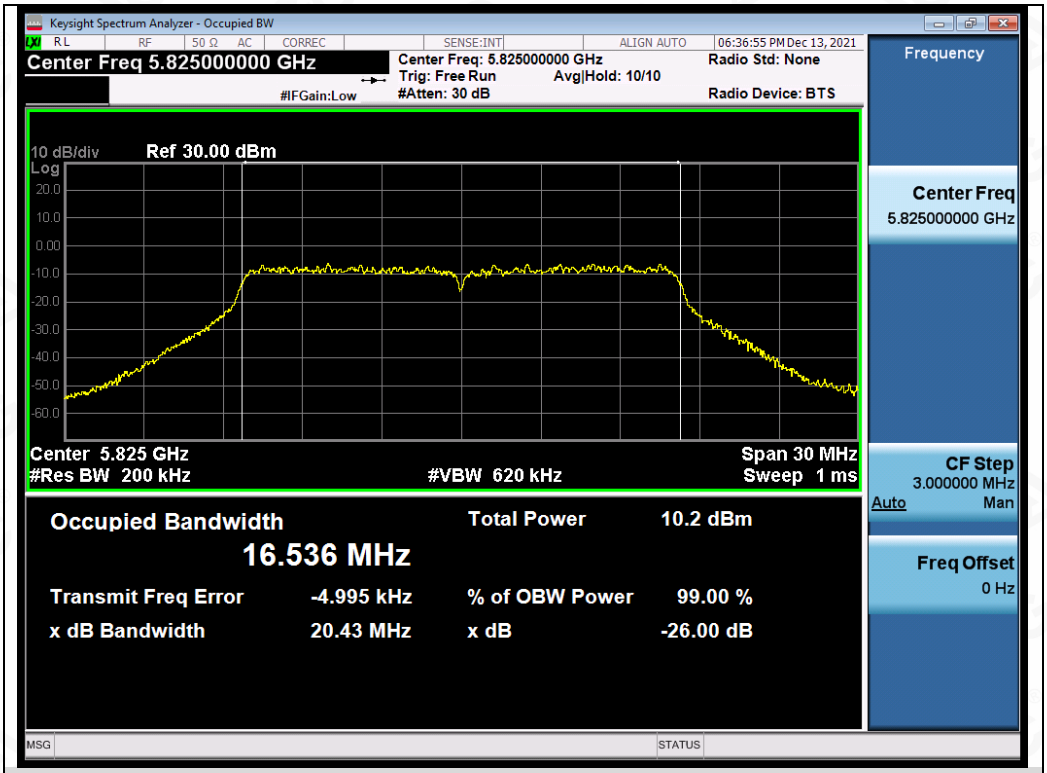
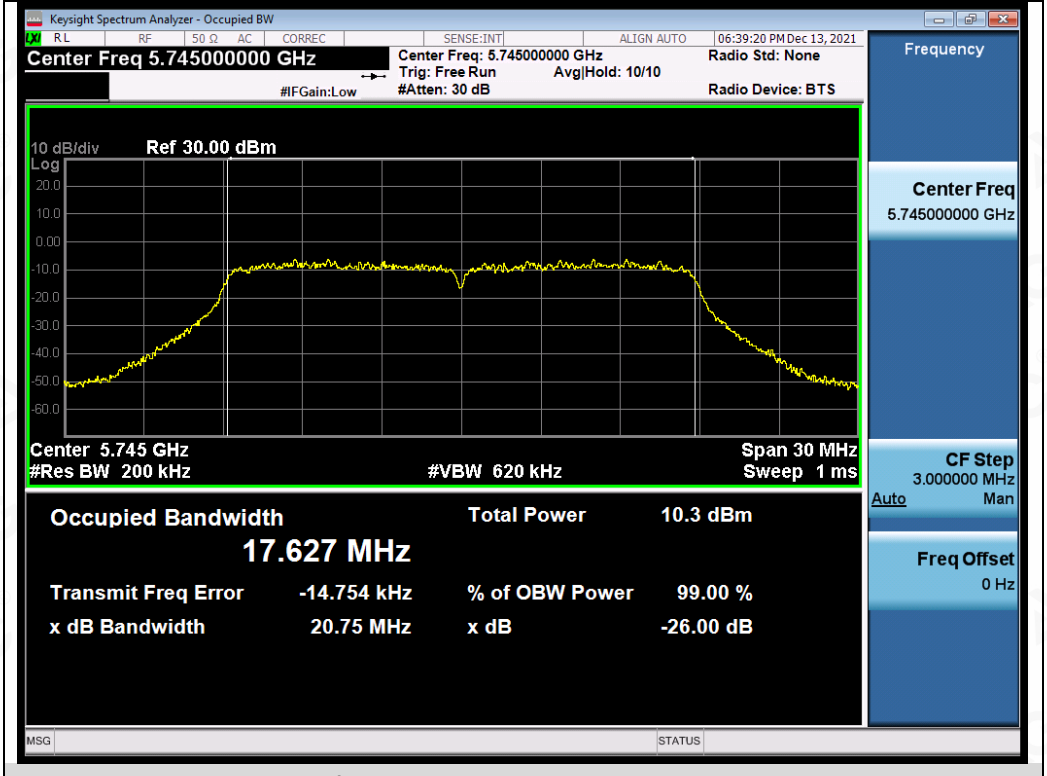
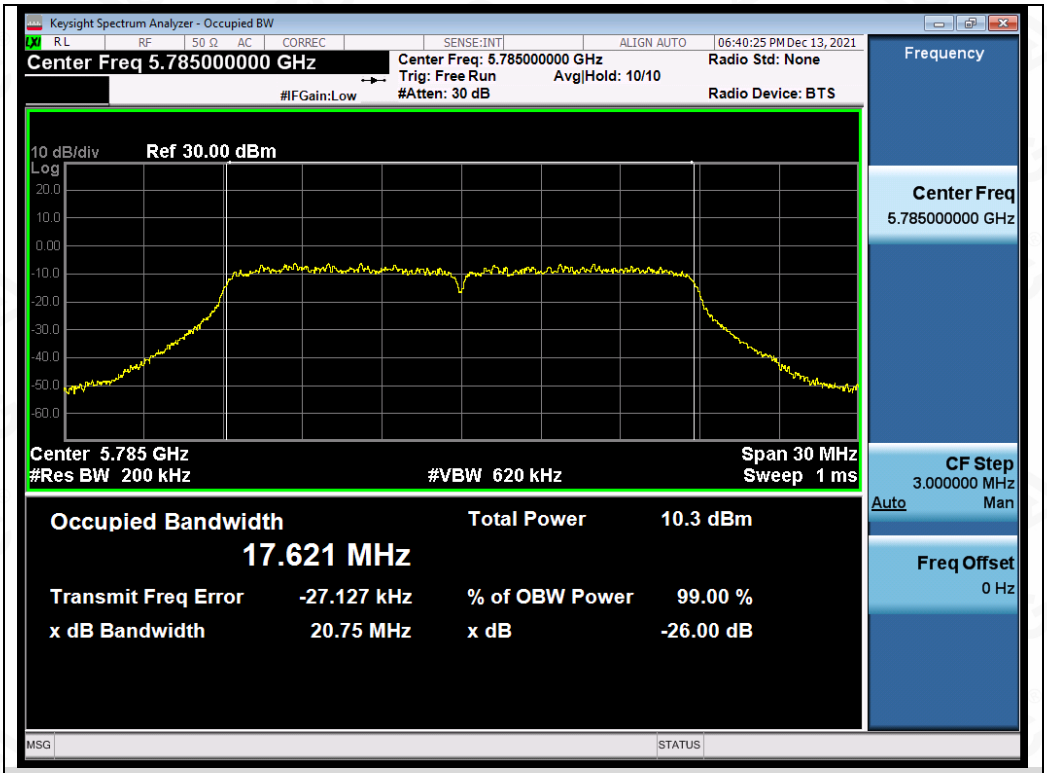


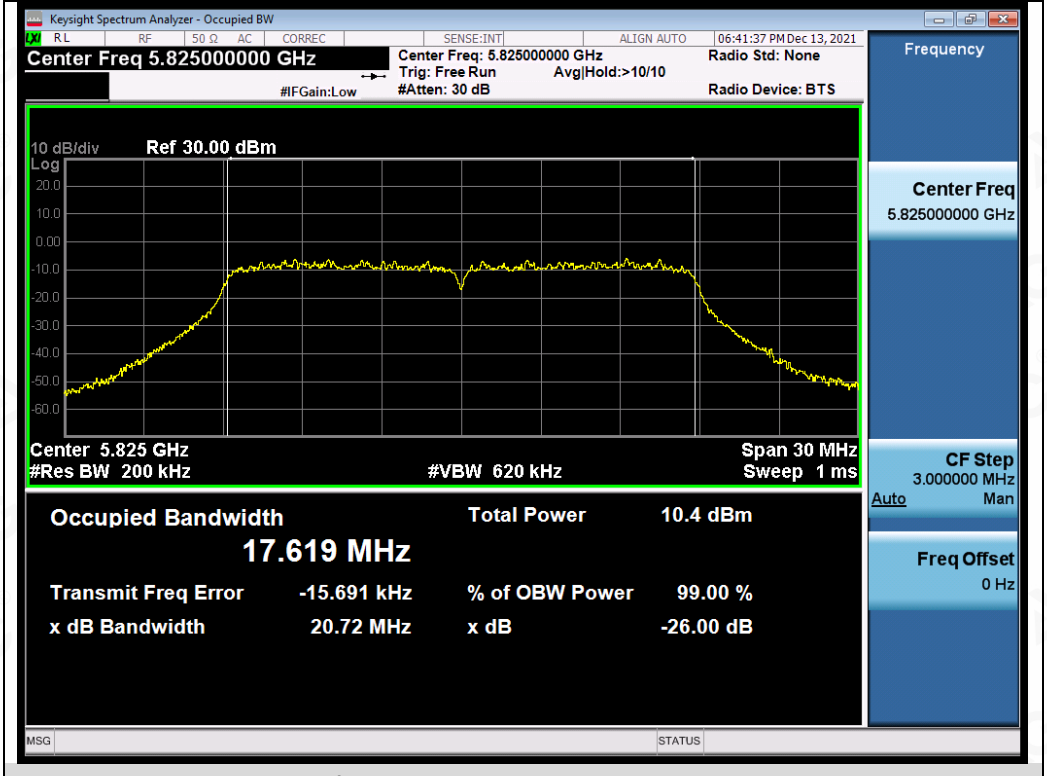
Test_Graph_802.11a_ANT2_5825_6Mbps_OBW



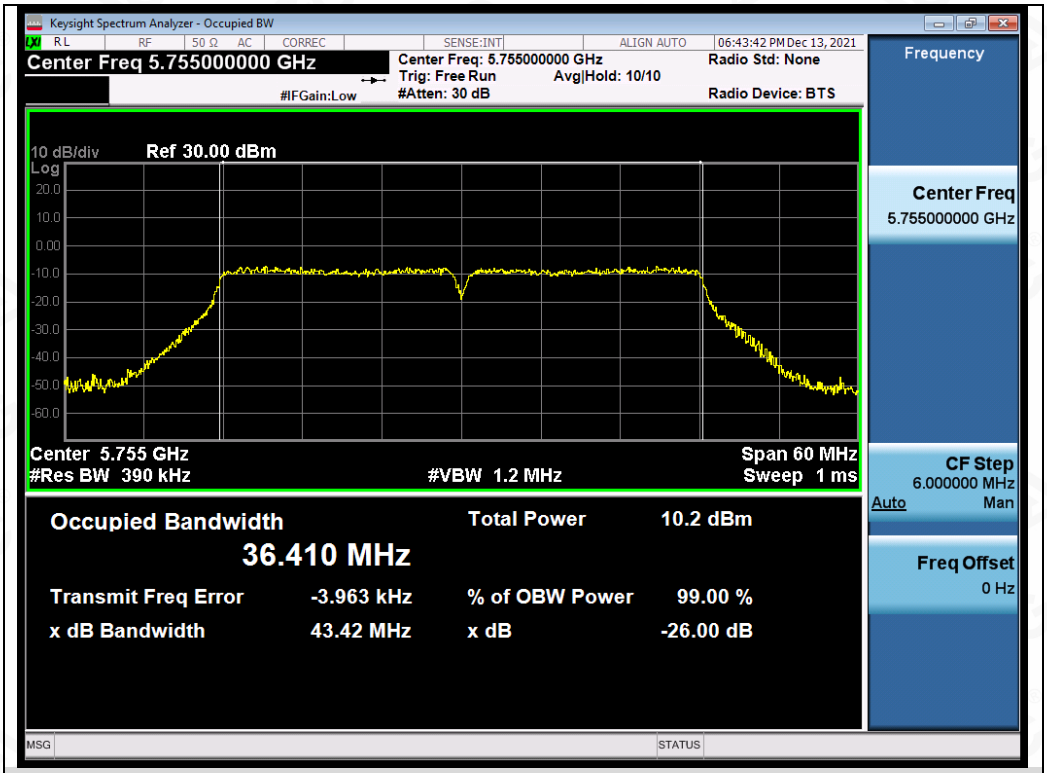
Test_Graph_802.11n20_ANT2_5745_MCS0_OBW



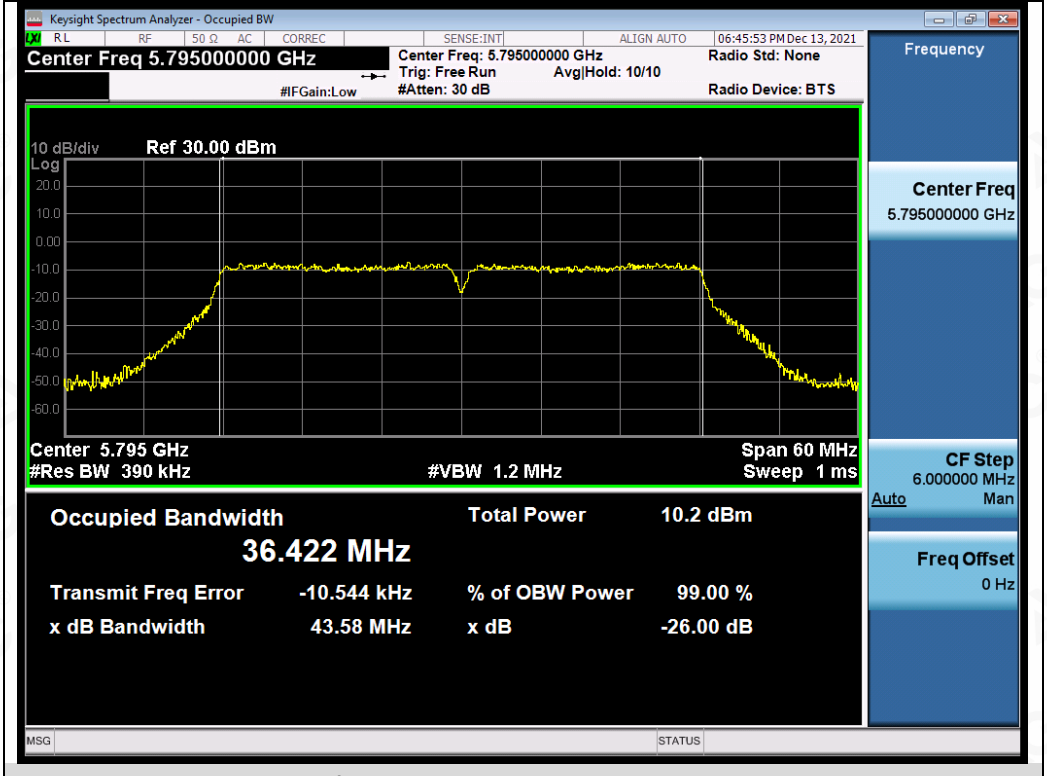
Test_Graph_802.11n20_ANT2_5785_MCS0_OBW



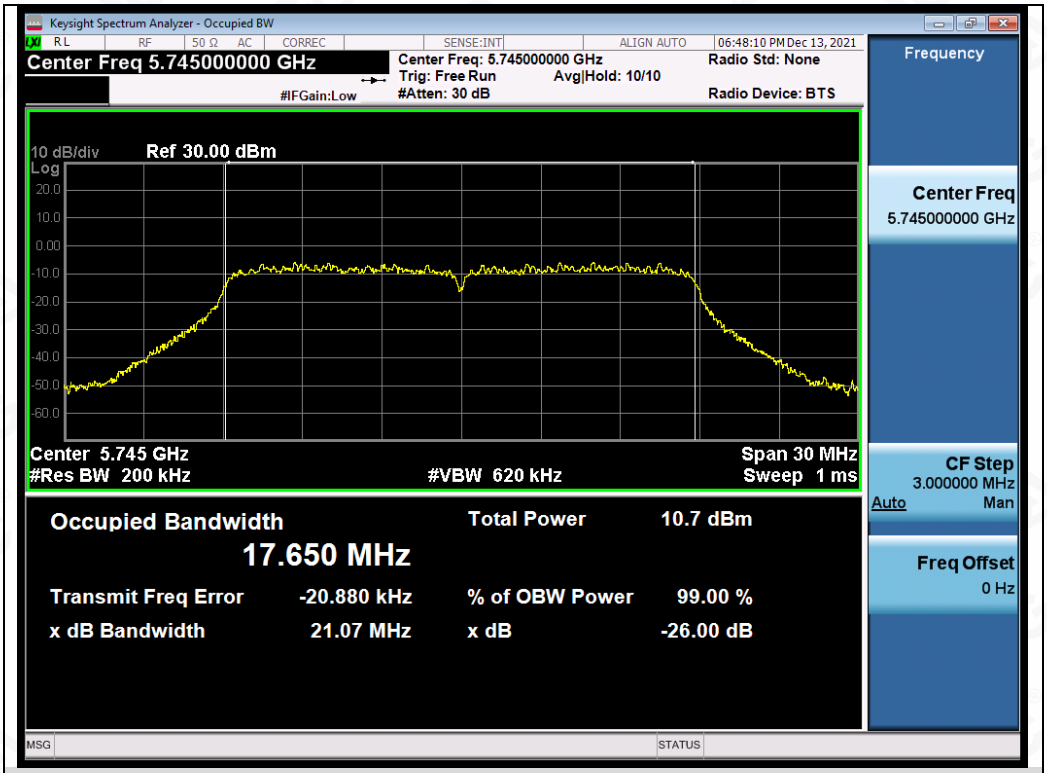
Test_Graph_802.11n20_ANT2_5825_MCS0_OBW



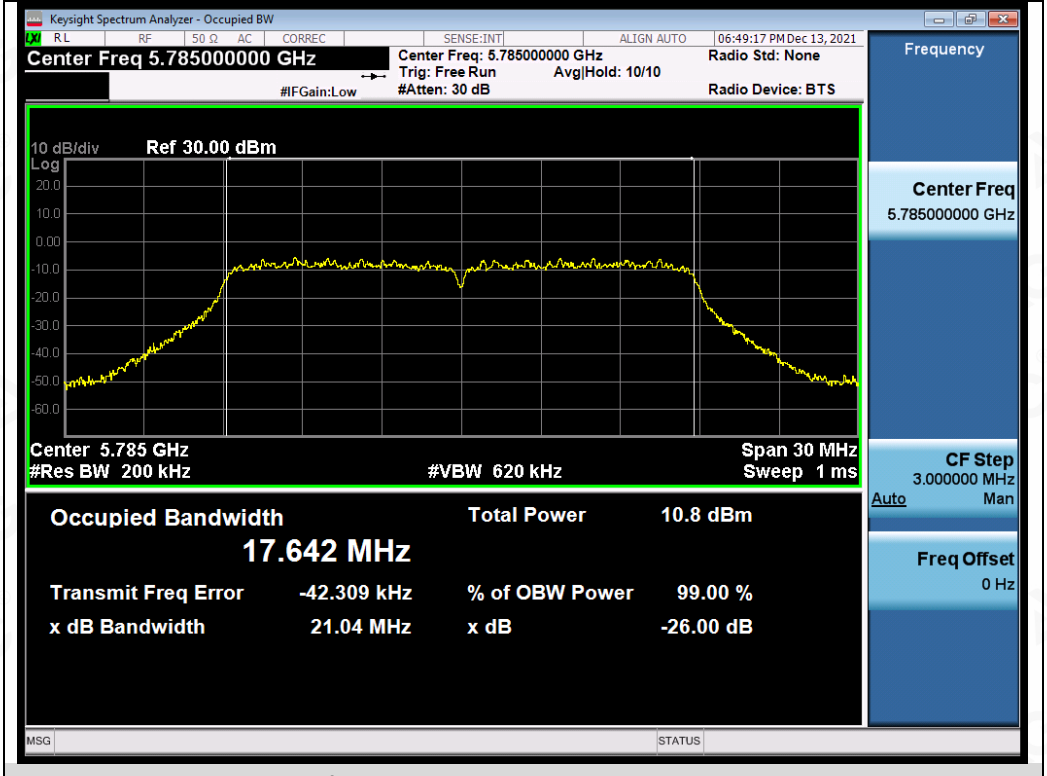
Test_Graph_802.11n40_ANT2_5755_MCS0_OBW



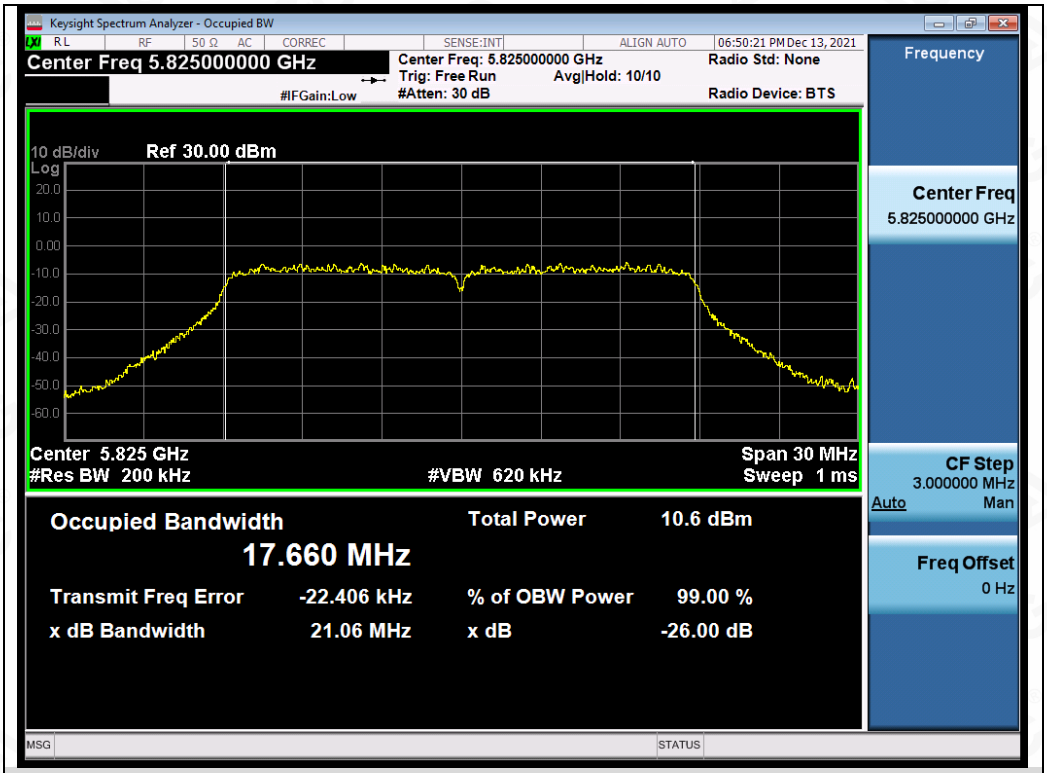
Test_Graph_802.11n40_ANT2_5795_MCS0_OBW



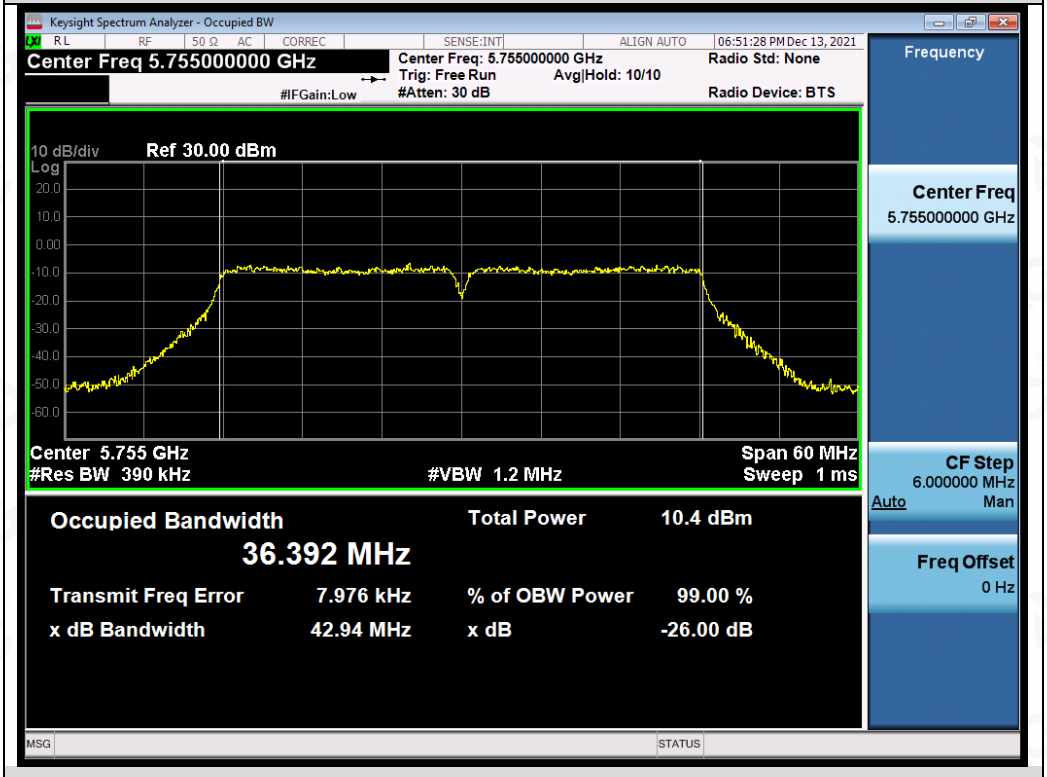
Test_Graph_802.11ac20_ANT2_5745_MCS0_OBW



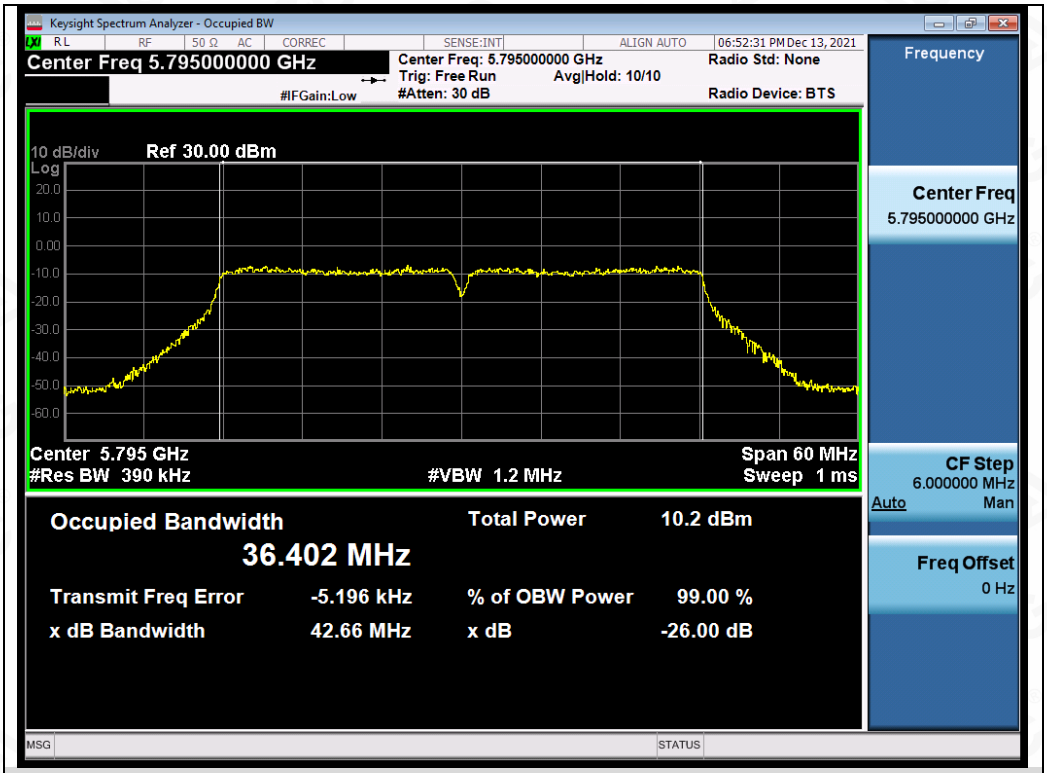
Test_Graph_802.11ac20_ANT2_5785_MCS0_OBW



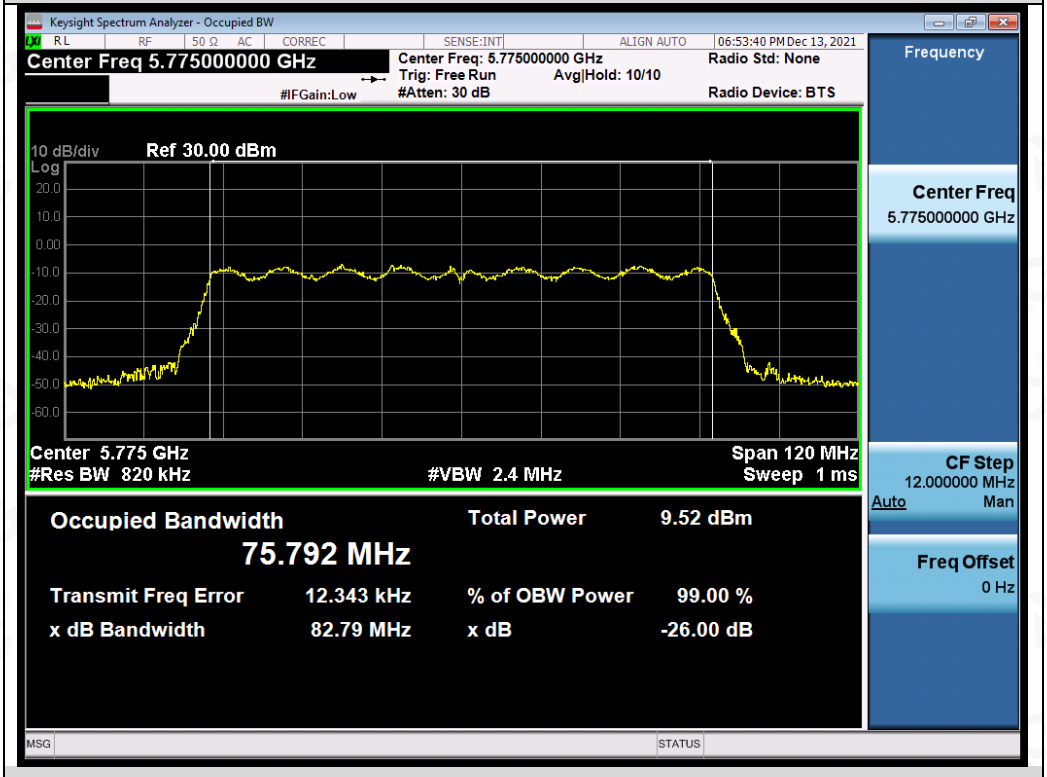
Test_Graph_802.11ac20_ANT2_5825_MCS9_OBW



Test_Graph_802.11ac40_ANT2_5755_MCS9_OBW

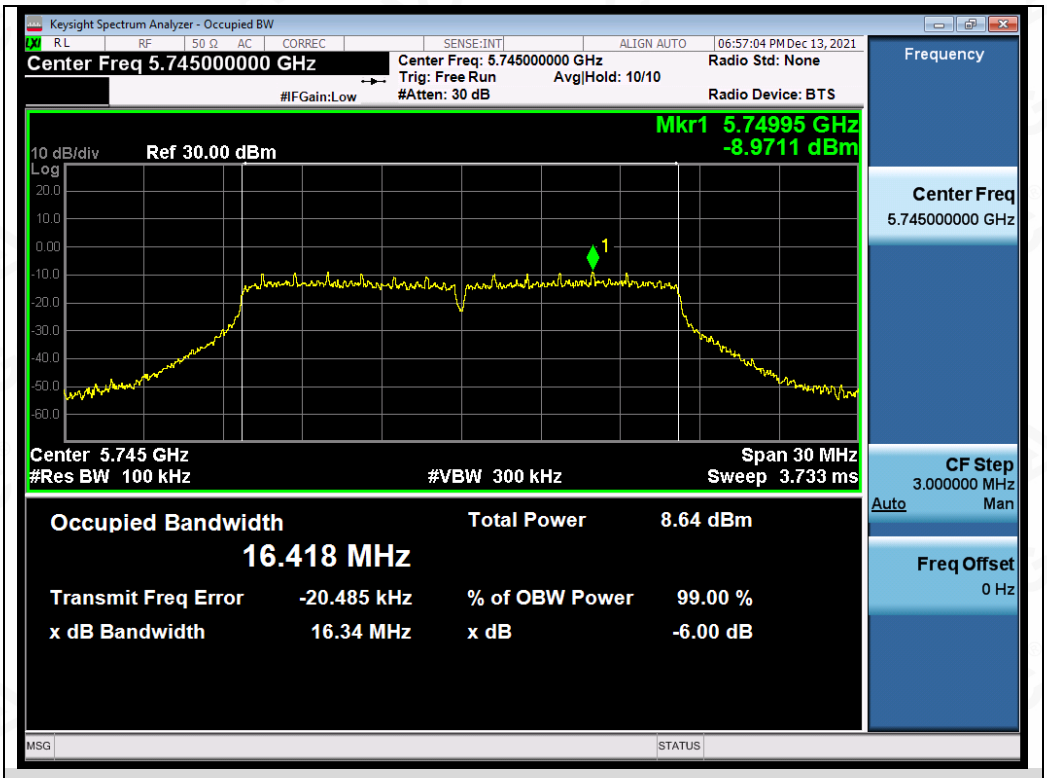


Test_Graph_802.11ac40_ANT2_5795_MCS9_OBW

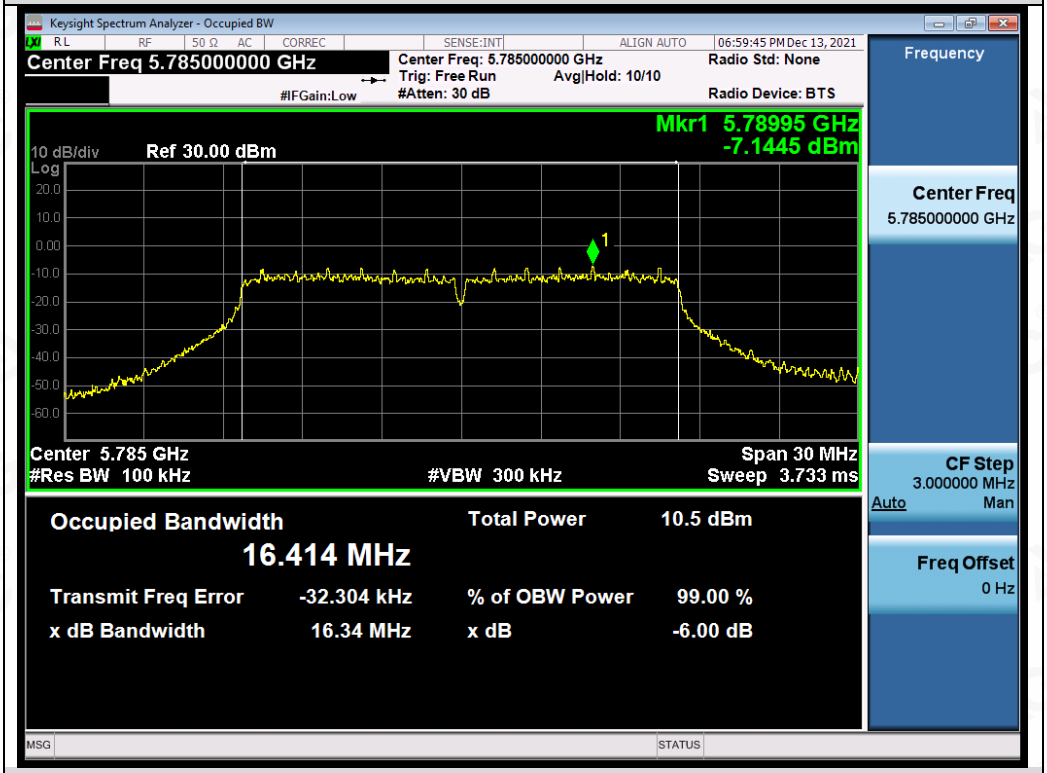


Test_Graph_802.11ac80_ANT2_5775_MCS9_OBW

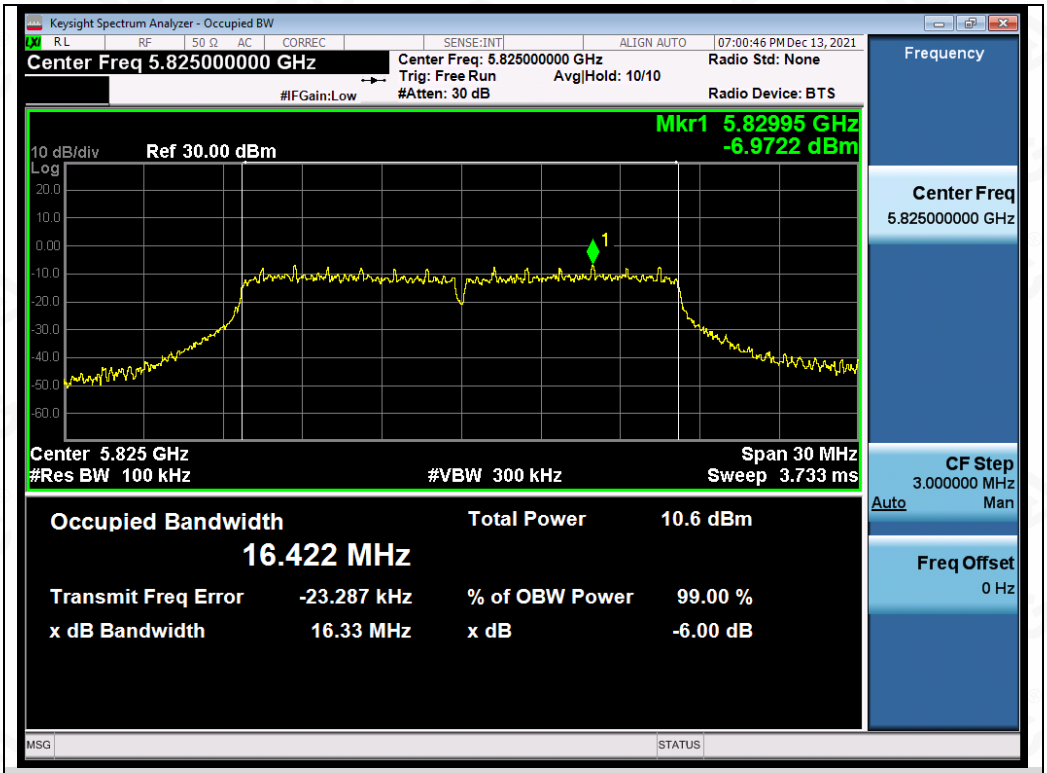
Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz



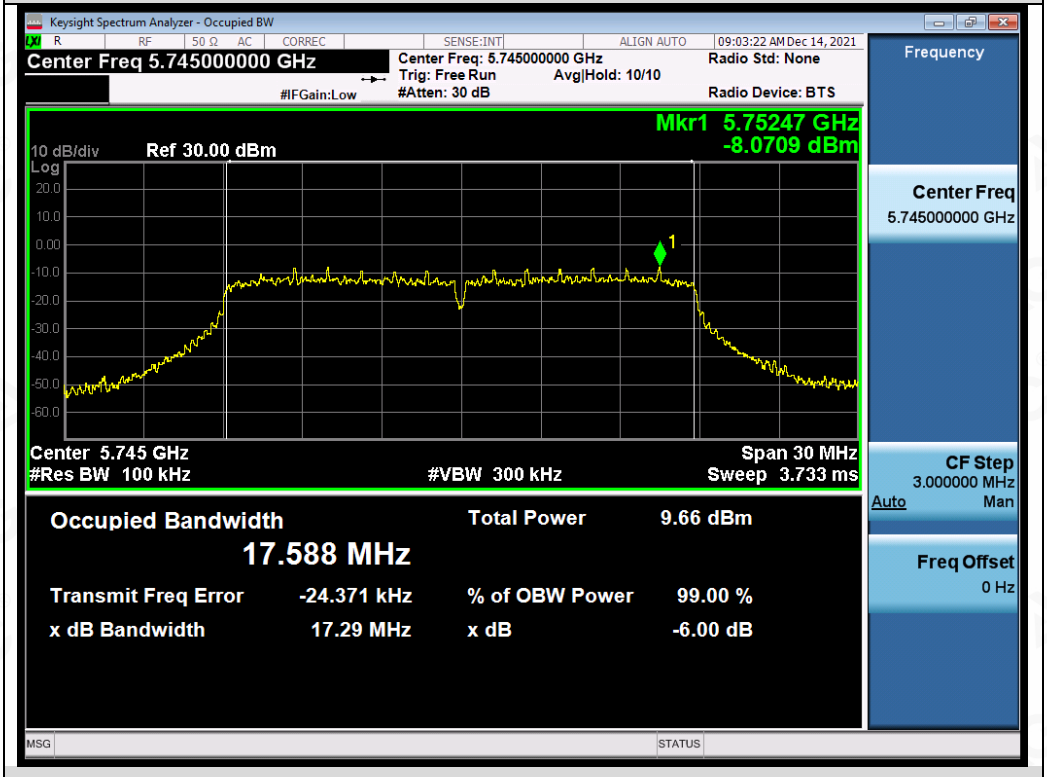
Test_Graph_802.11a_ANT1_5745_6Mbps_DTSBW



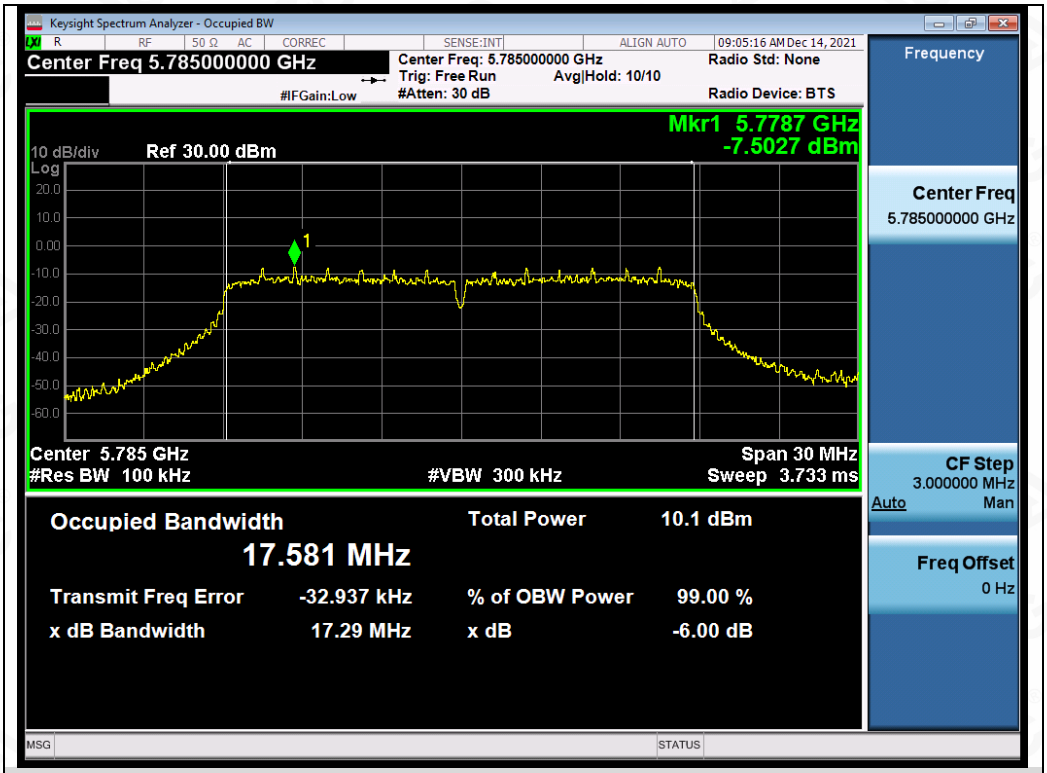
Test_Graph_802.11a_ANT1_5785_6Mbps_DTSBW



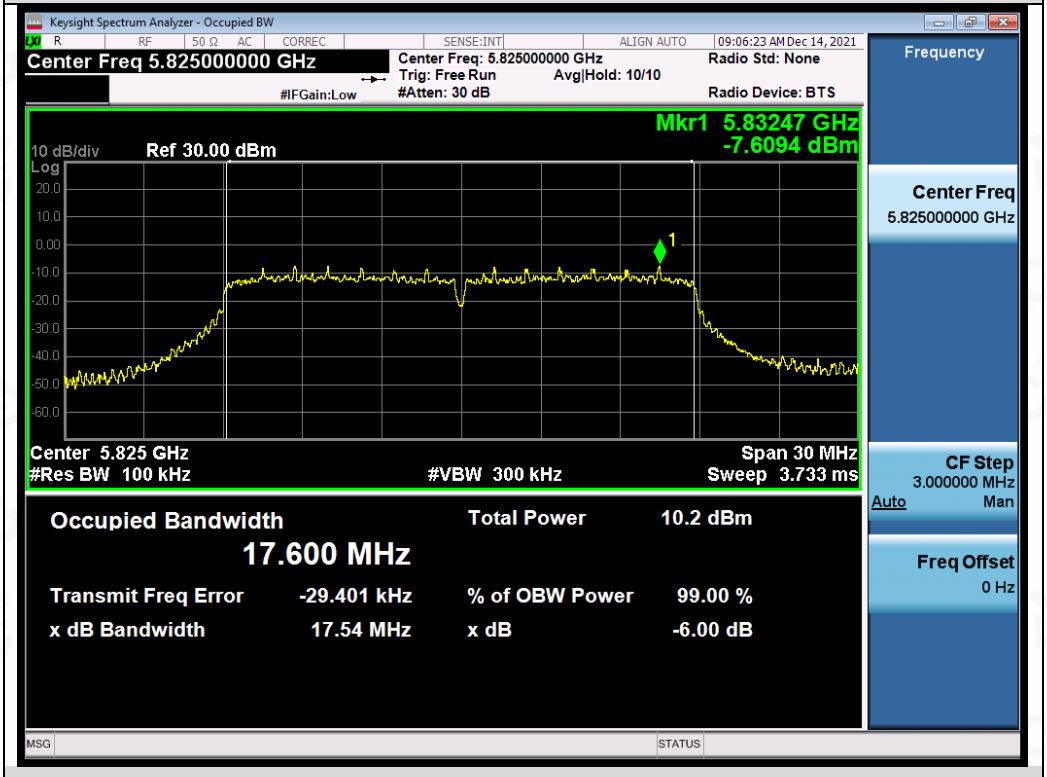
Test_Graph_802.11a_ANT1_5825_6Mbps_DTSBW



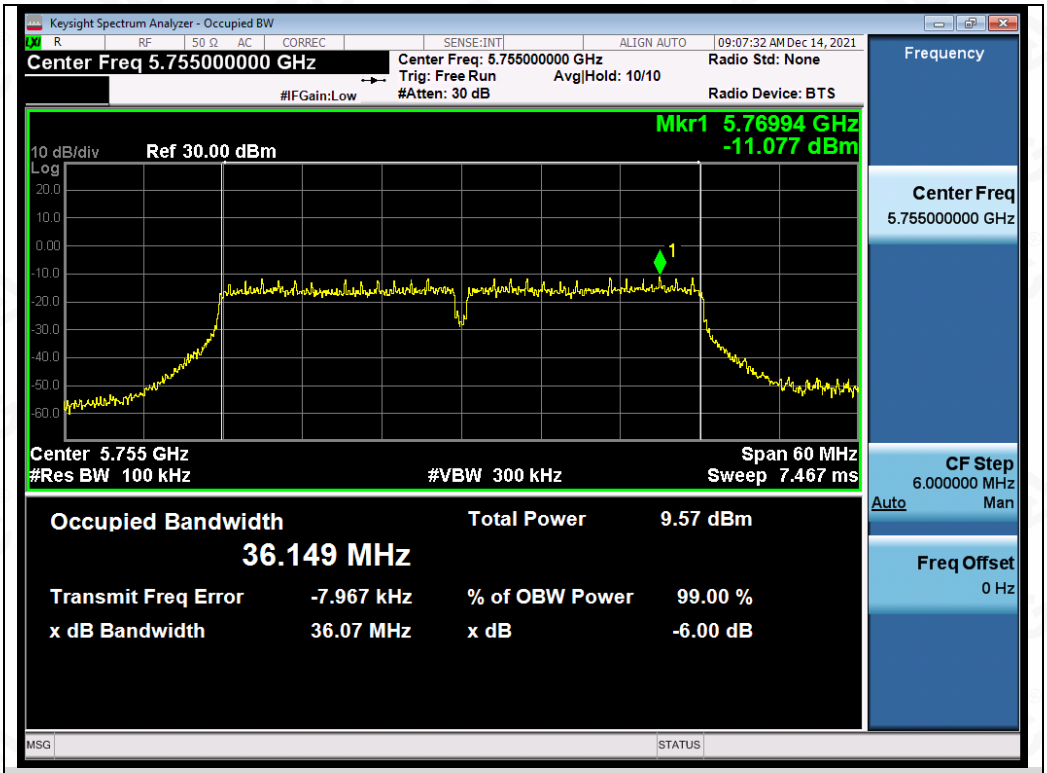
Test_Graph_802.11n20_ANT1_5745_MCS0_DTSBW



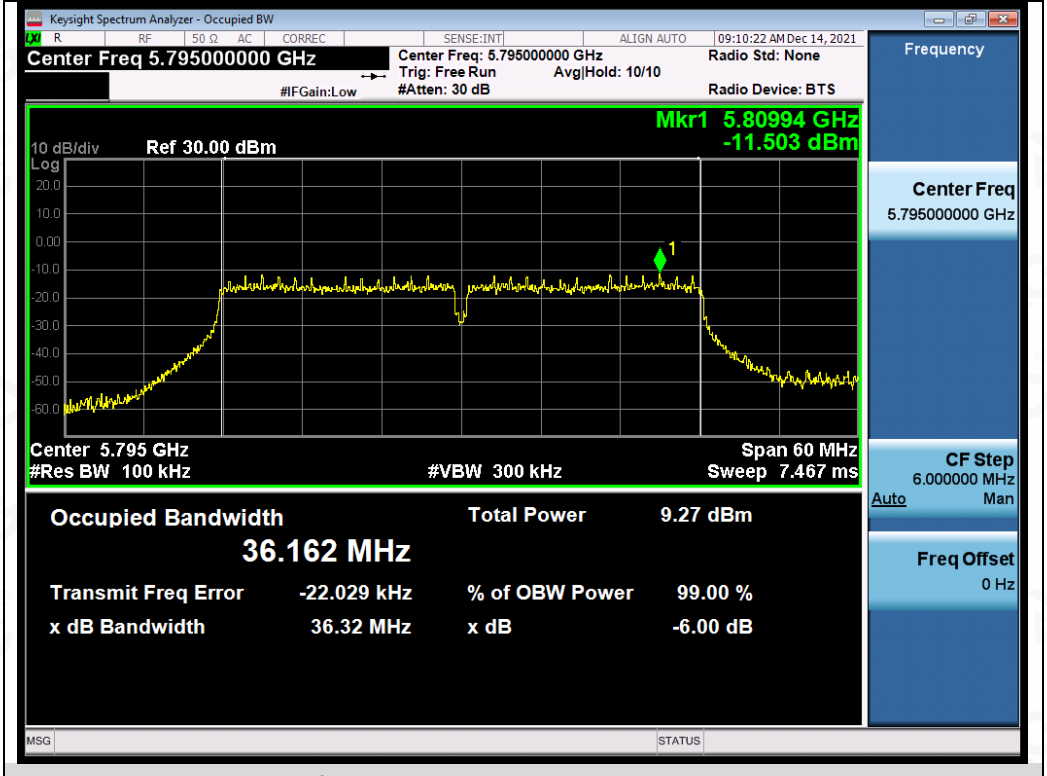
Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW



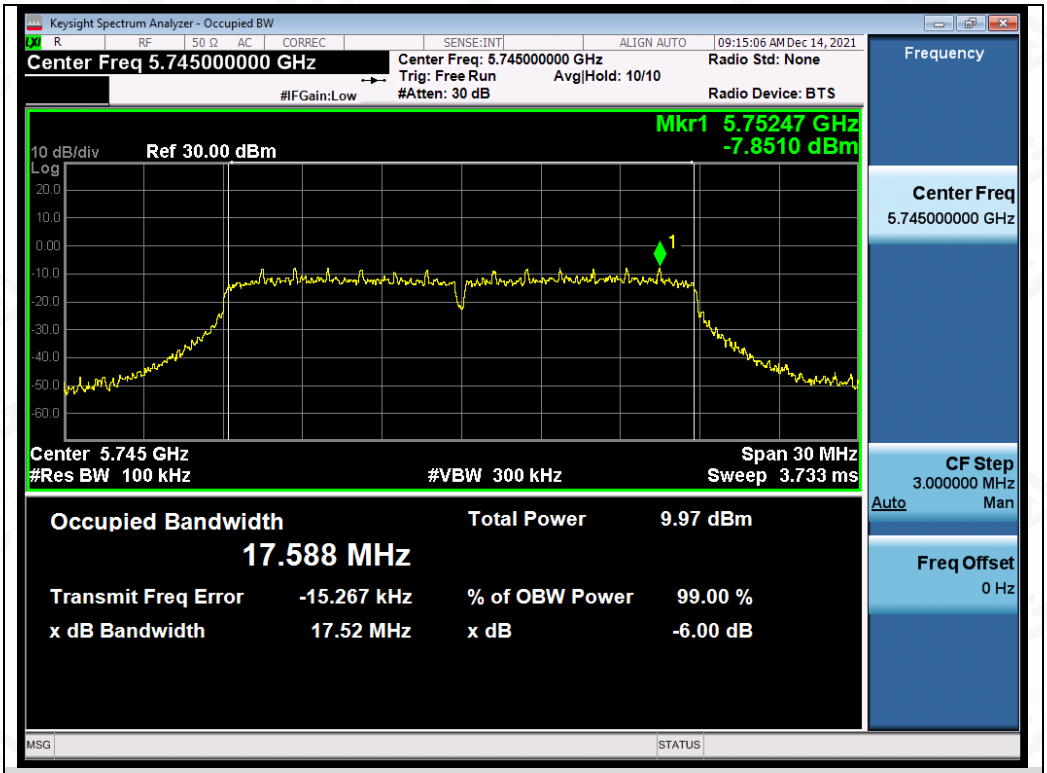
Test_Graph_802.11n20_ANT1_5825_MCS0_DTSBW



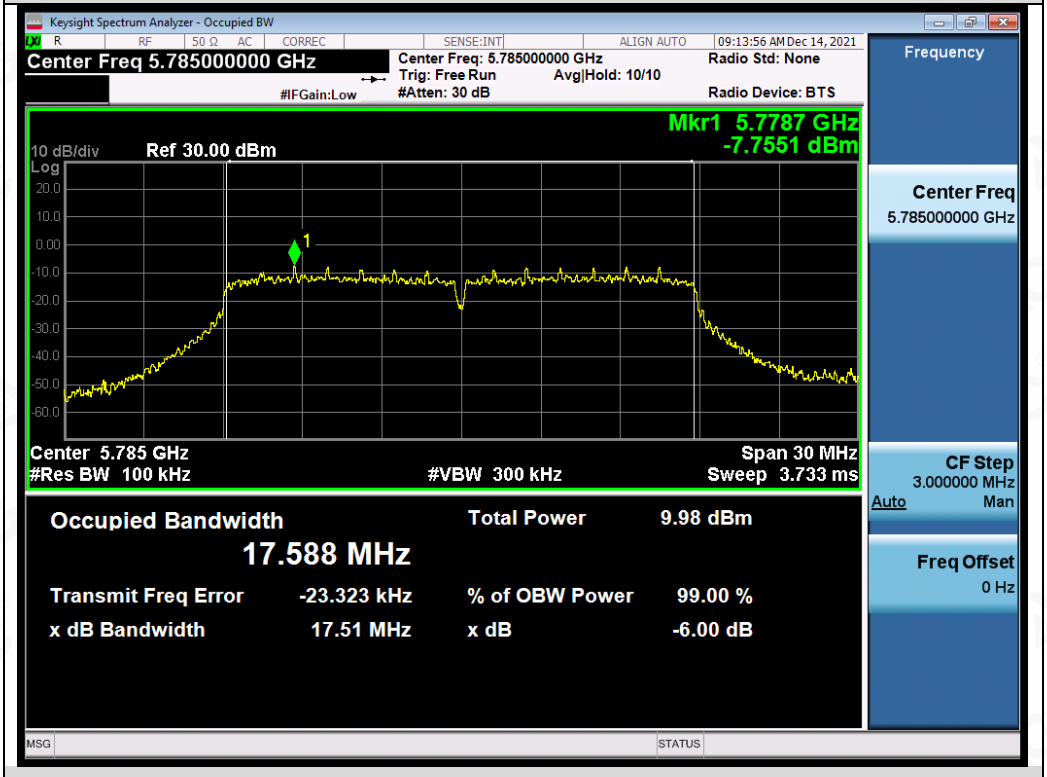
Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW



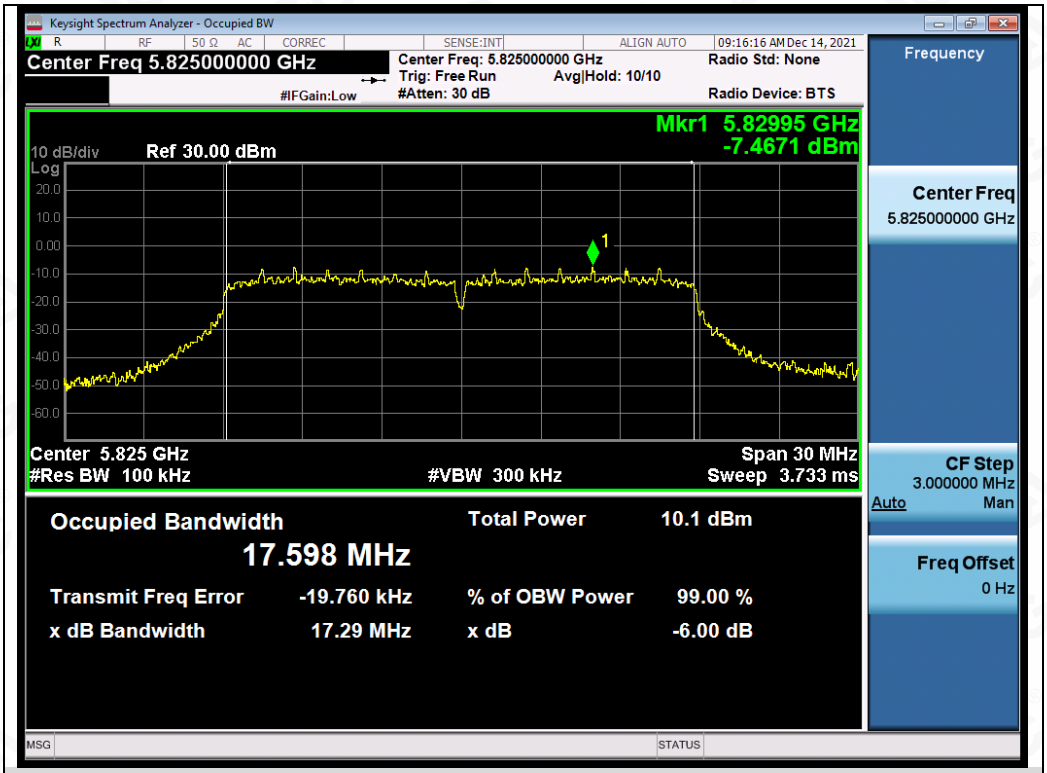
Test_Graph_802.11n40_ANT1_5795_MCS0_DTSBW



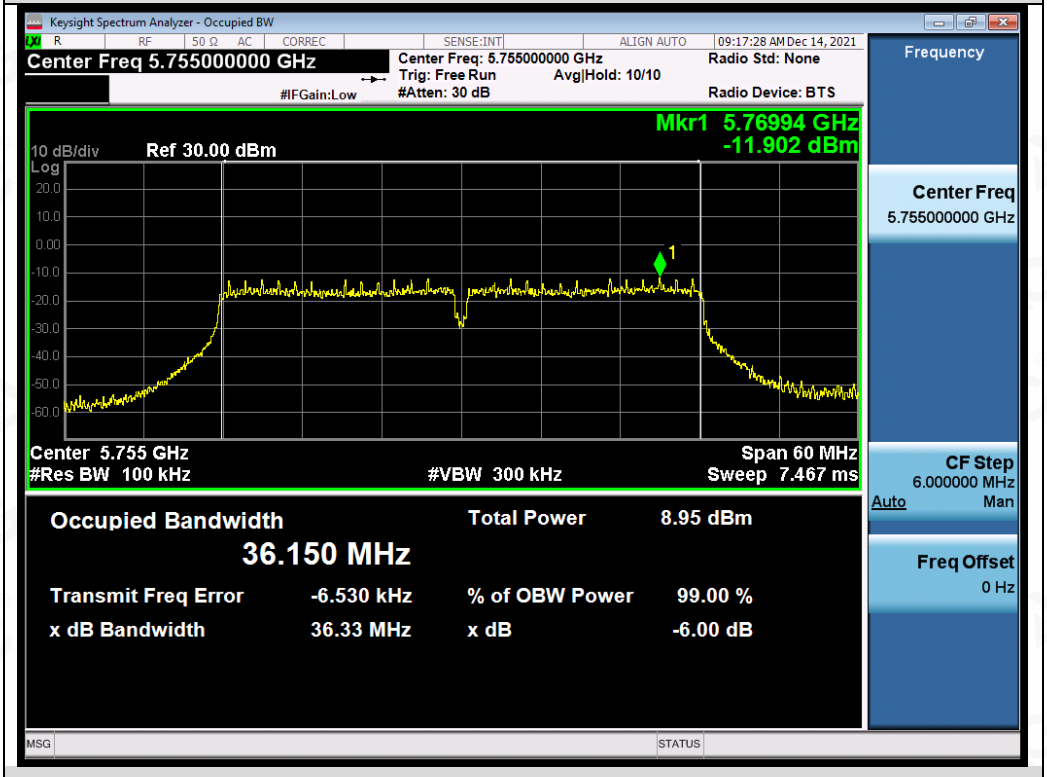
Test_Graph_802.11ac20_ANT1_5745_MCS0_DTSBW



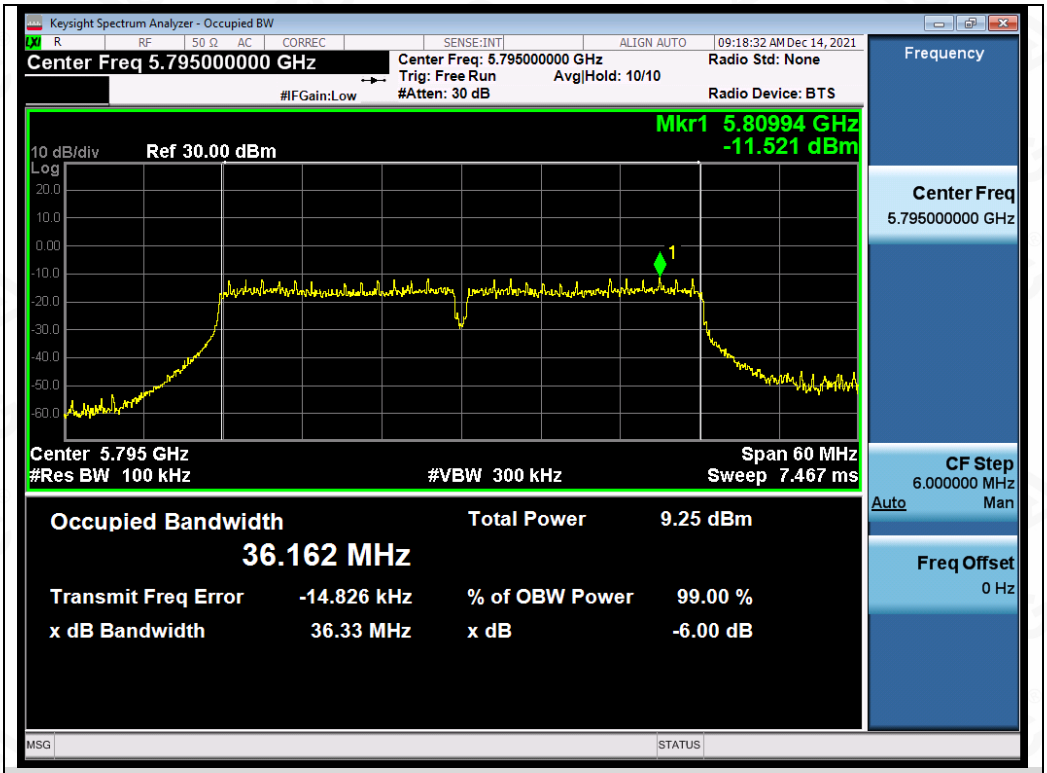
Test_Graph_802.11ac20_ANT1_5785_MCS0_DTSBW



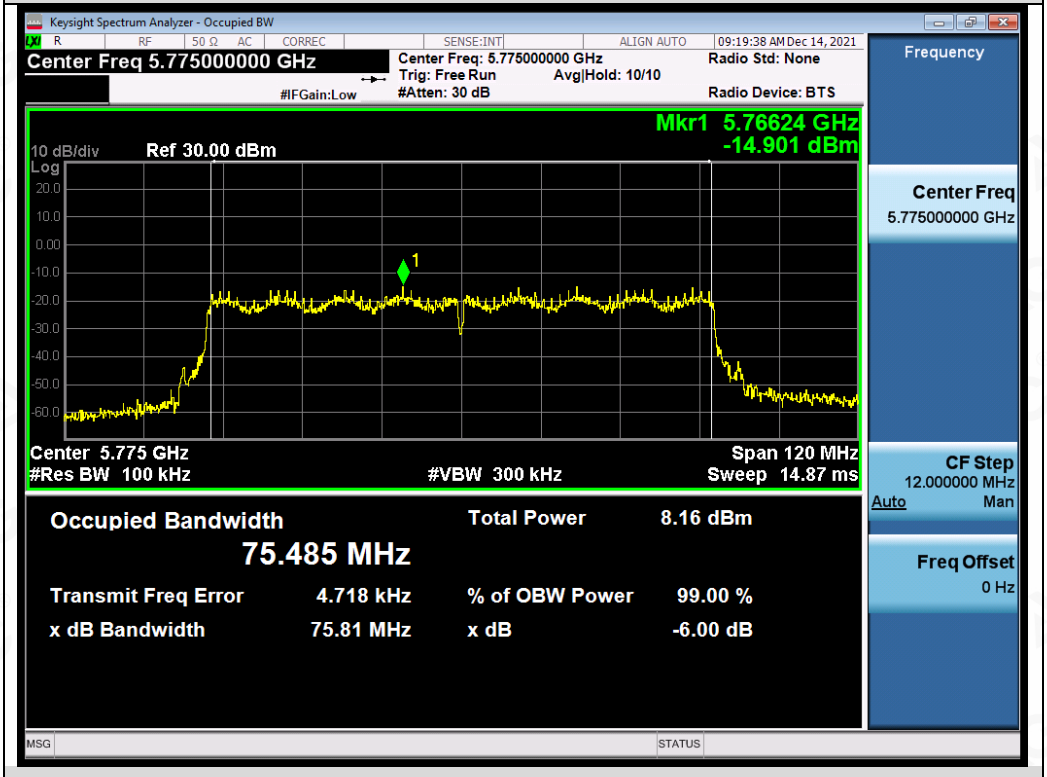
Test_Graph_802.11ac20_ANT1_5825_MCS9_DTSBW



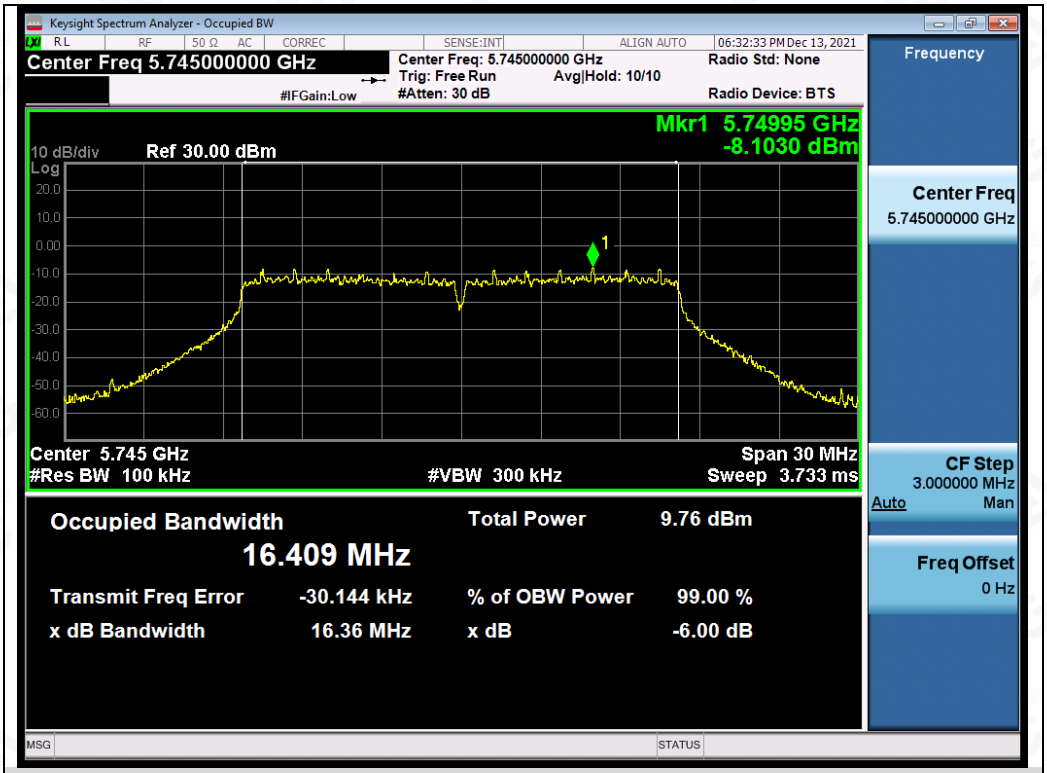
Test_Graph_802.11ac40_ANT1_5755_MCS9_DTSBW



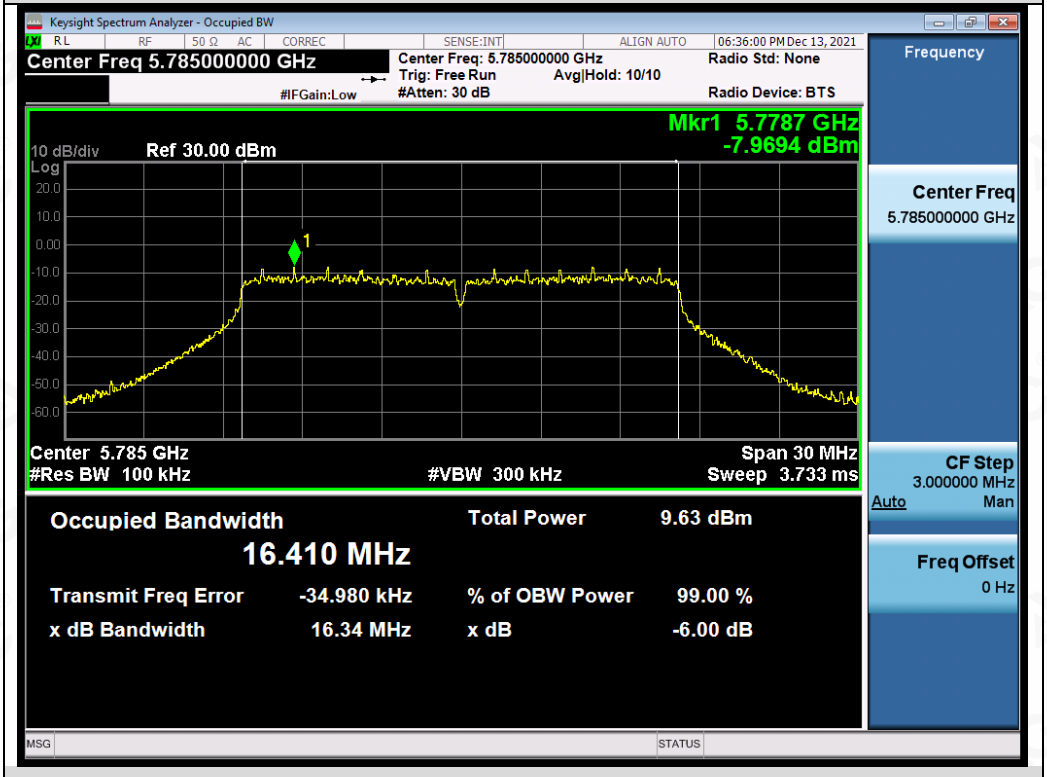
Test_Graph_802.11ac40_ANT1_5795_MCS9_DTSBW



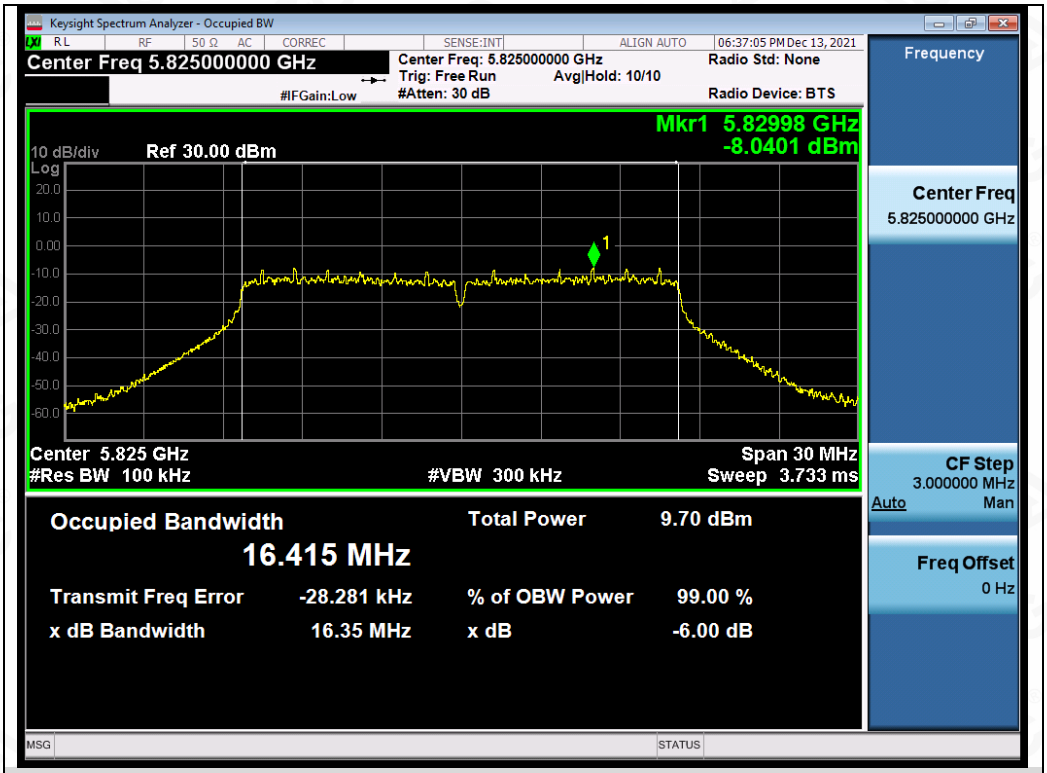
Test_Graph_802.11ac80_ANT1_5775_MCS9_DTSBW



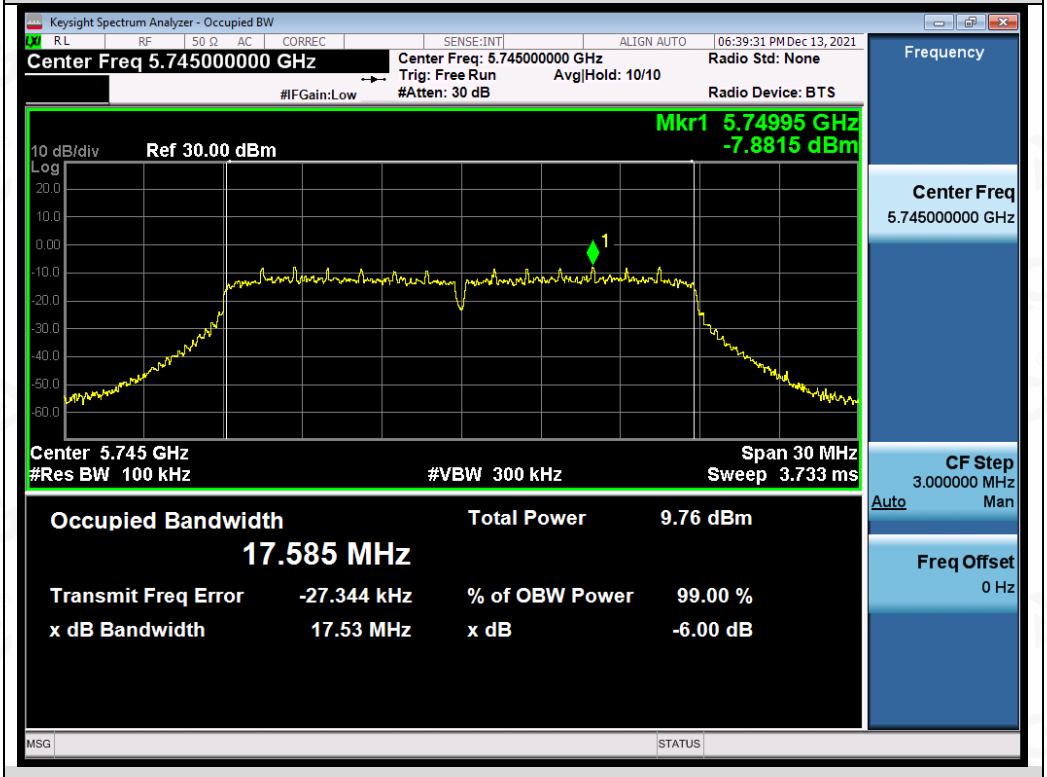
Test_Graph_802.11a_ANT2_5745_6Mbps_DTSBW



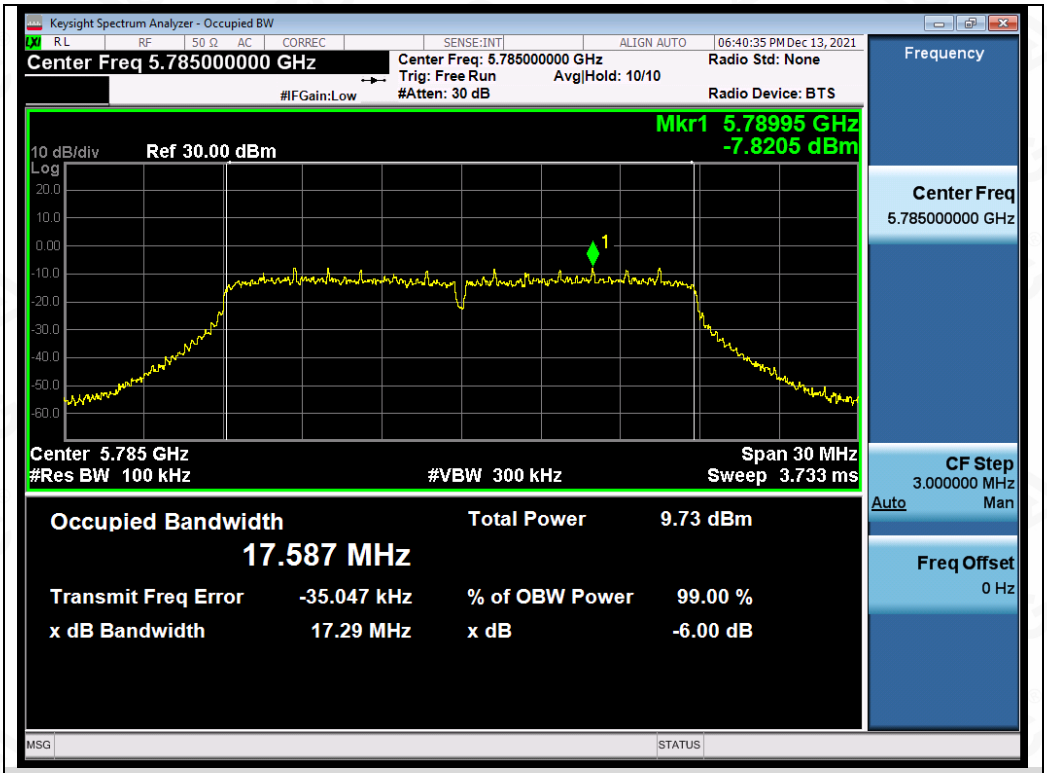
Test_Graph_802.11a_ANT2_5785_6Mbps_DTSBW



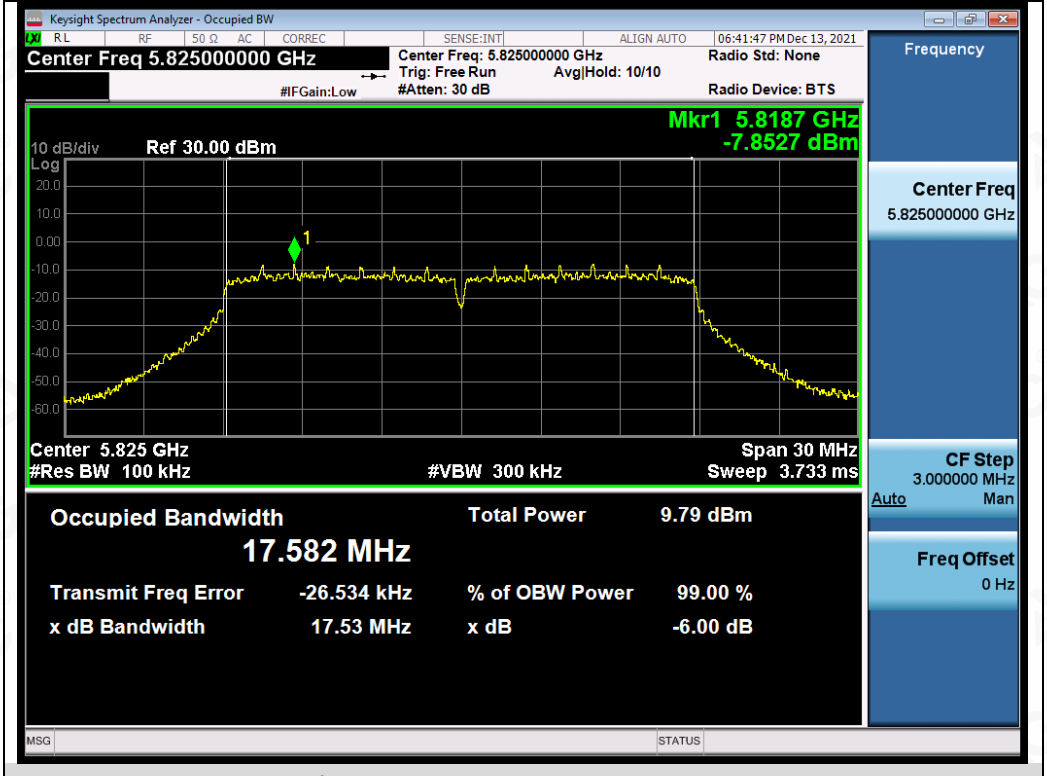
Test_Graph_802.11a_ANT2_5825_6Mbps_DTSBW



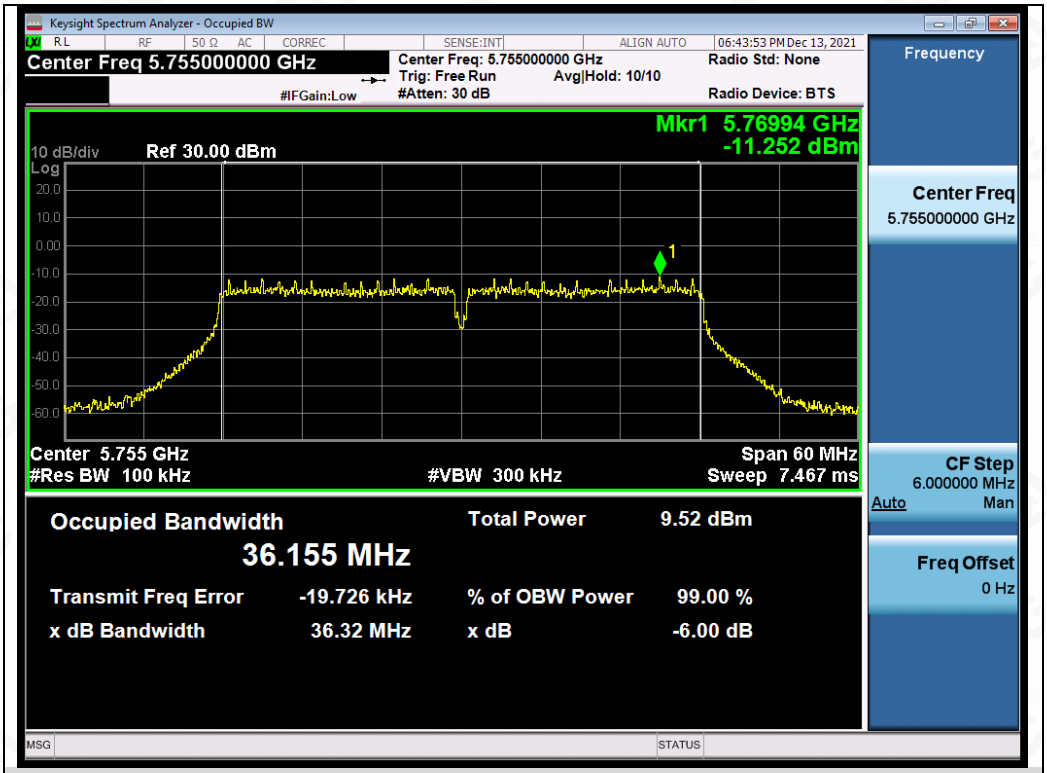
Test_Graph_802.11n20_ANT2_5745_MCS0_DTSBW



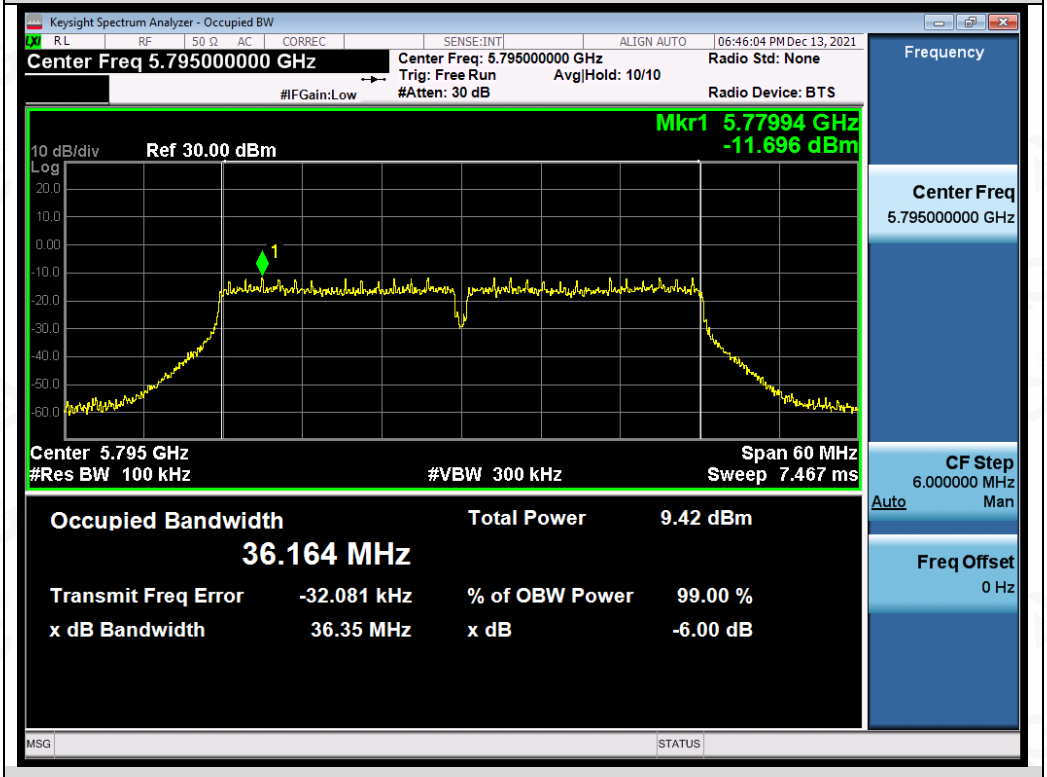
Test_Graph_802.11n20_ANT2_5785_MCS0_DTSBW



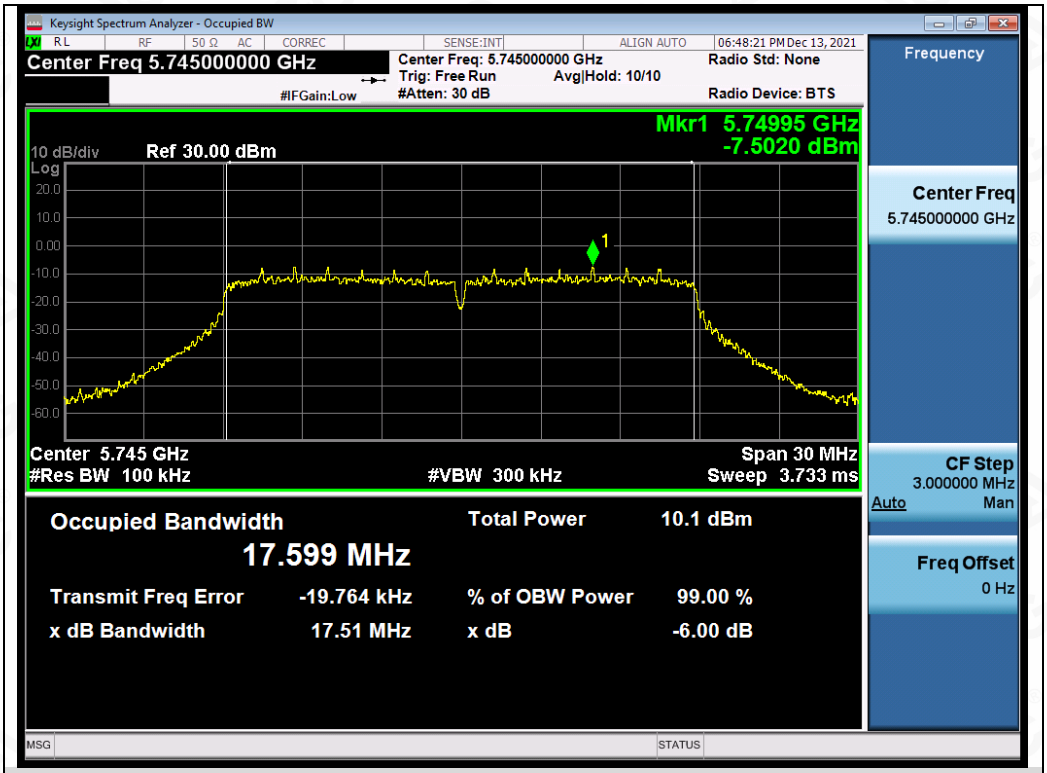
Test_Graph_802.11n20_ANT2_5825_MCS0_DTSBW



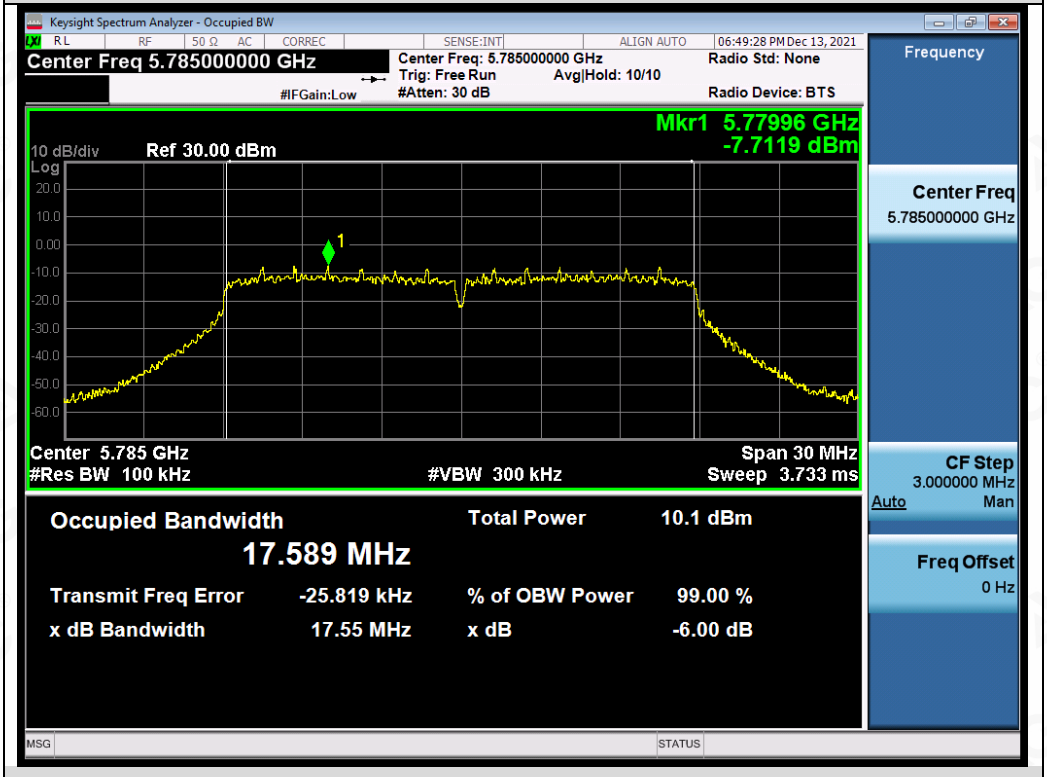
Test_Graph_802.11n40_ANT2_5755_MCS0_DTSBW



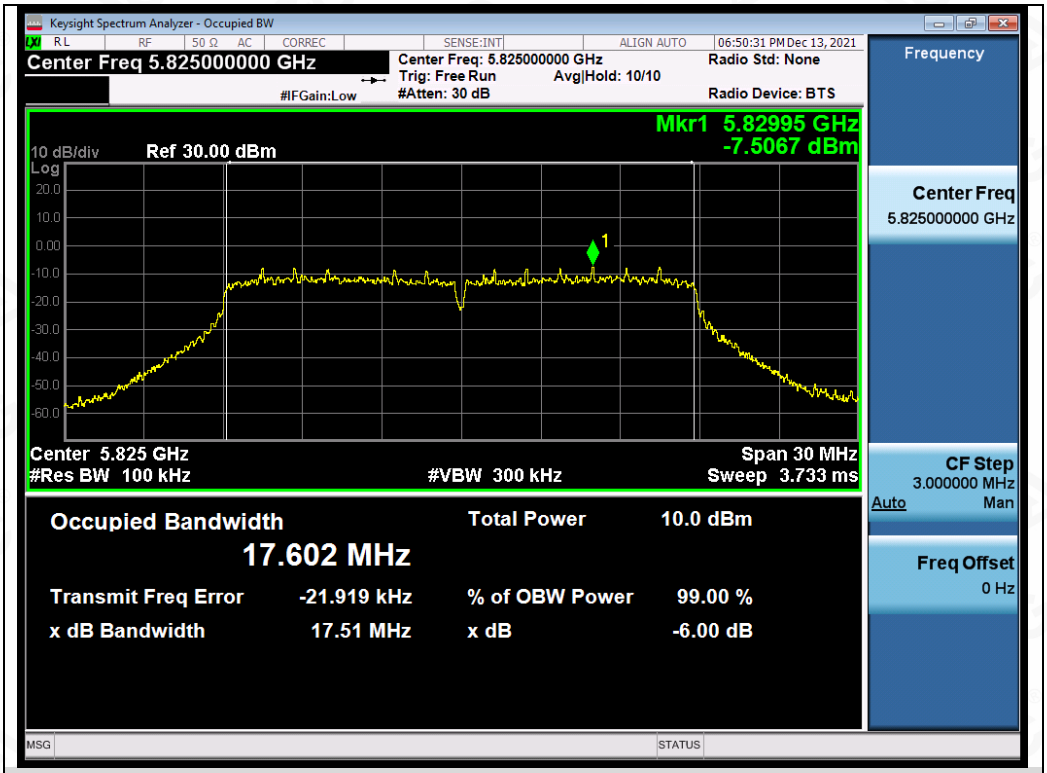
Test_Graph_802.11n40_ANT2_5795_MCS0_DTSBW



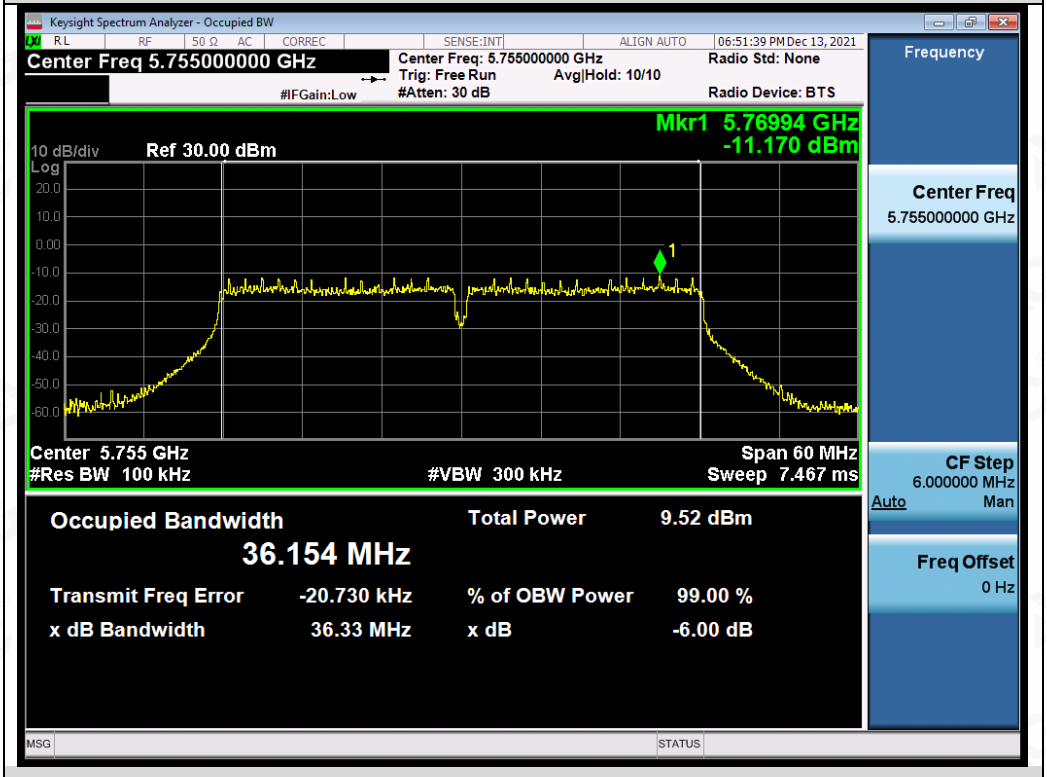
Test_Graph_802.11ac20_ANT2_5745_MCS0_DTSBW



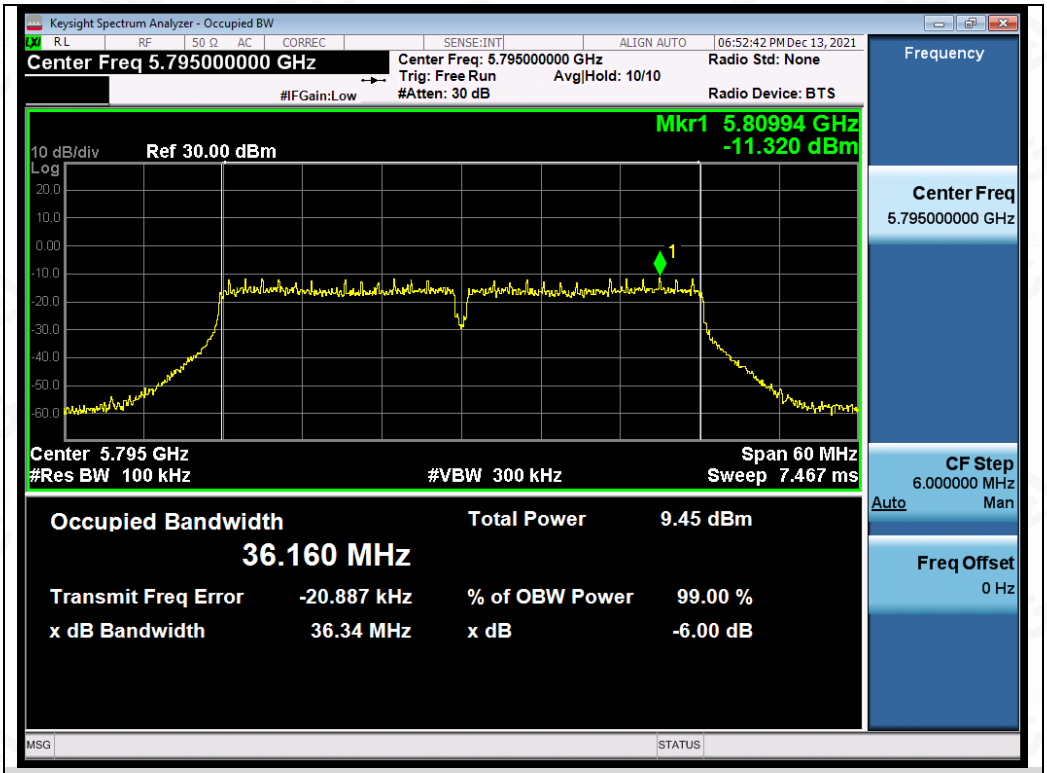
Test_Graph_802.11ac20_ANT2_5785_MCS0_DTSBW



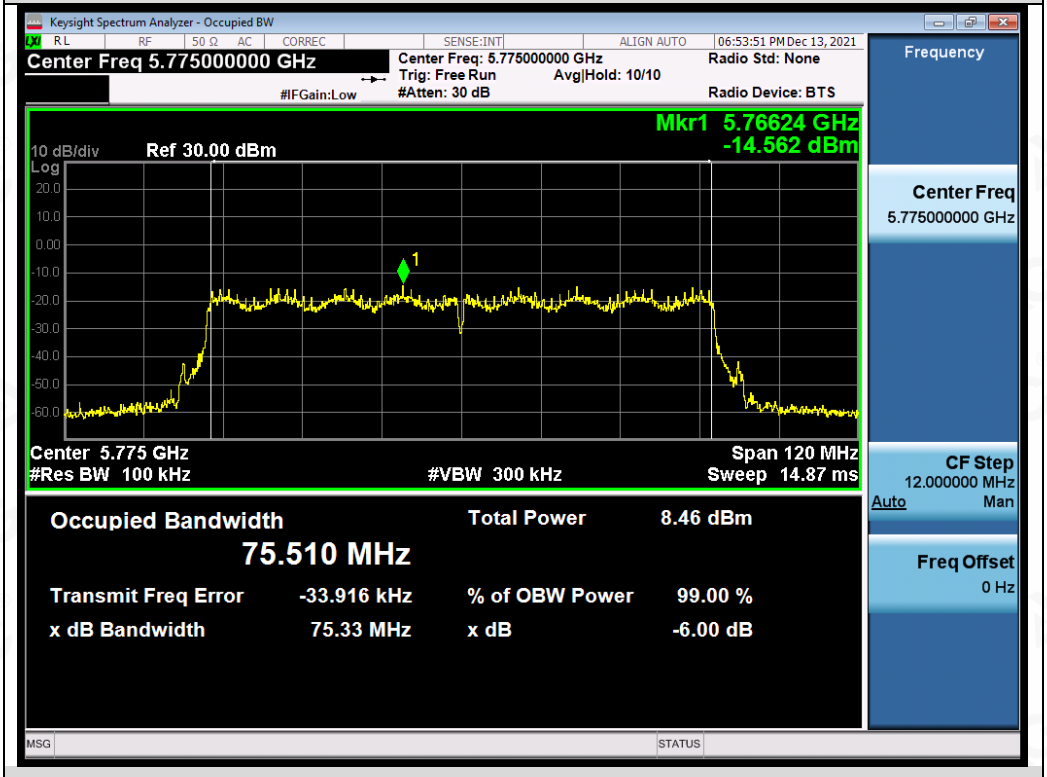
Test_Graph_802.11ac20_ANT2_5825_MCS9_DTSBW



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	-6.683	11	Pass
	5200	-6.573	11	Pass
	5240	-6.193	11	Pass
802.11n20	5180	-7.026	11	Pass
	5200	-6.698	11	Pass
	5240	-6.465	11	Pass
802.11n40	5190	-9.547	11	Pass
	5230	-9.475	11	Pass
802.11ac20	5180	-7.011	11	Pass
	5200	-6.729	11	Pass
	5240	-6.613	11	Pass
802.11ac40	5190	-9.560	11	Pass
	5230	-9.503	11	Pass
802.11ac80	5210	-11.836	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	-6.254	11	Pass
	5200	-6.399	11	Pass
	5240	-6.731	11	Pass
802.11n20	5180	-6.637	11	Pass
	5200	-6.625	11	Pass
	5240	-6.926	11	Pass
802.11n40	5190	-9.468	11	Pass
	5230	-9.641	11	Pass
802.11ac20	5180	-6.723	11	Pass
	5200	-6.811	11	Pass
	5240	-7.098	11	Pass
802.11ac40	5190	-10.110	11	Pass
	5230	-10.499	11	Pass
802.11ac80	5210	-12.437	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	-3.817	8.99	Pass
	5200	-3.651	8.99	Pass
	5240	-3.679	8.99	Pass
802.11n40	5190	-6.497	8.99	Pass
	5230	-6.547	8.99	Pass
802.11ac20	5180	-3.854	8.99	Pass
	5200	-3.760	8.99	Pass
	5240	-3.838	8.99	Pass
802.11ac40	5190	-6.816	8.99	Pass
	5230	-6.962	8.99	Pass
802.11ac80	5210	-9.116	8.99	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	-15.307	-8.317	30	Pass
	5785	-14.959	-7.969	30	Pass
	5825	-14.715	-7.725	30	Pass
802.11n20	5745	-15.783	-8.793	30	Pass
	5785	-15.323	-8.333	30	Pass
	5825	-15.313	-8.323	30	Pass
802.11n40	5755	-18.081	-11.091	30	Pass
	5795	-18.548	-11.558	30	Pass
802.11ac20	5745	-15.571	-8.581	30	Pass
	5785	-15.240	-8.250	30	Pass
	5825	-15.631	-8.641	30	Pass
802.11ac40	5755	-18.883	-11.893	30	Pass
	5795	-18.644	-11.654	30	Pass
802.11ac80	5775	-20.241	-13.251	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	-15.474	-8.484	30	Pass
	5785	-15.781	-8.791	30	Pass
	5825	-15.645	-8.655	30	Pass
802.11n20	5745	-15.732	-8.742	30	Pass
	5785	-15.264	-8.274	30	Pass
	5825	-15.545	-8.555	30	Pass
802.11n40	5755	-18.286	-11.296	30	Pass
	5795	-18.087	-11.097	30	Pass
802.11ac20	5745	-15.170	-8.180	30	Pass
	5785	-15.380	-8.390	30	Pass
	5825	-15.253	-8.263	30	Pass
802.11ac40	5755	-18.556	-11.566	30	Pass
	5795	-18.482	-11.492	30	Pass
802.11ac80	5775	-20.790	-13.800	30	Pass

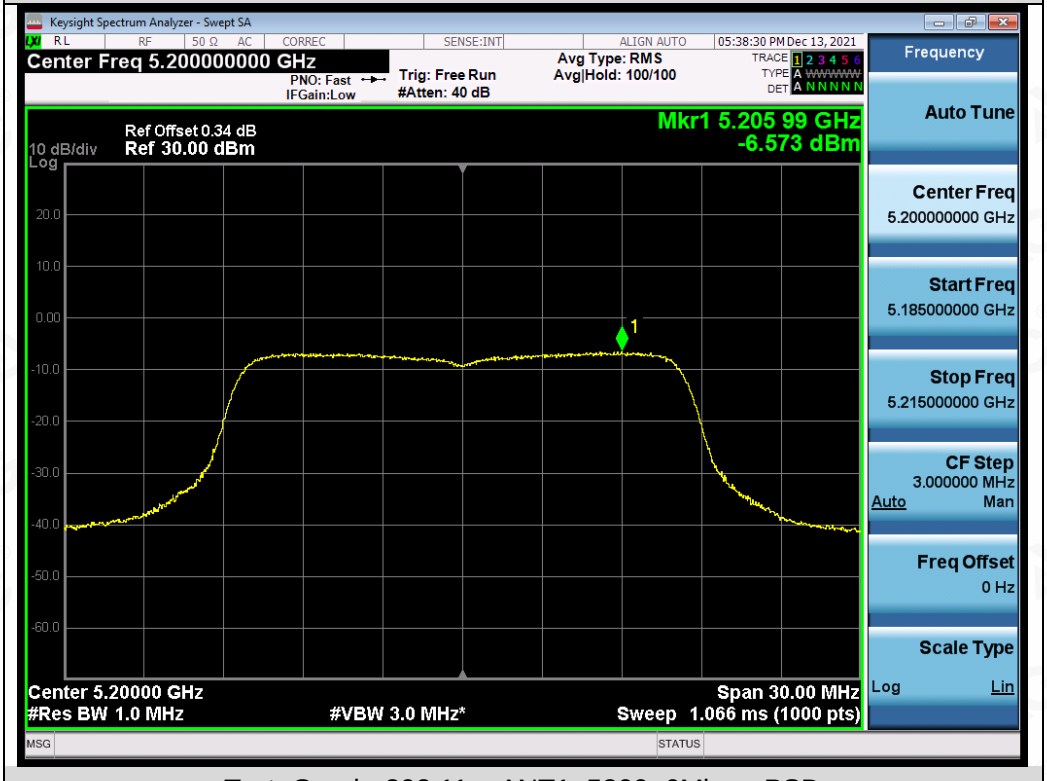
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 1+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11n20	5745	-12.747	-5.757	27.99	Pass
	5785	-12.283	-5.293	27.99	Pass
	5825	-12.417	-5.427	27.99	Pass
802.11n40	5755	-15.172	-8.182	27.99	Pass
	5795	-15.301	-8.311	27.99	Pass
802.11ac20	5745	-12.356	-5.366	27.99	Pass
	5785	-12.299	-5.309	27.99	Pass
	5825	-12.428	-5.438	27.99	Pass
802.11ac40	5755	-15.706	-8.716	27.99	Pass
	5795	-15.552	-8.562	27.99	Pass
802.11ac80	5775	-17.497	-10.507	27.99	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)

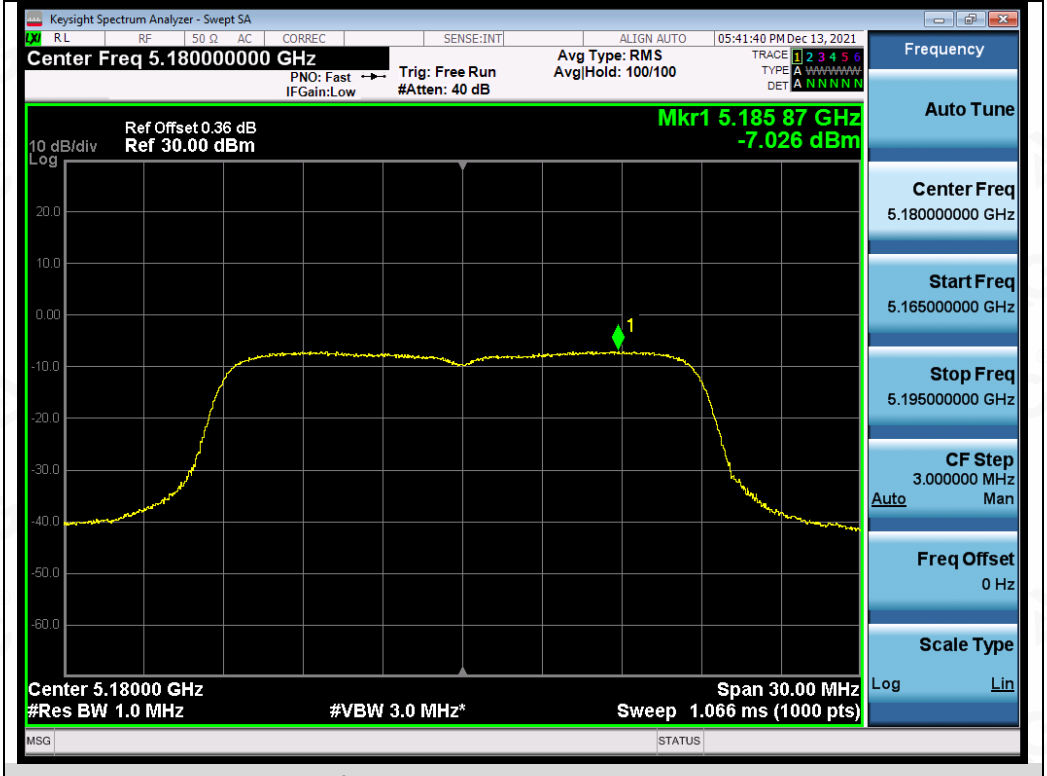
Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz

Test_Graph_802.11a_ANT1_5180_6Mbps_PSD

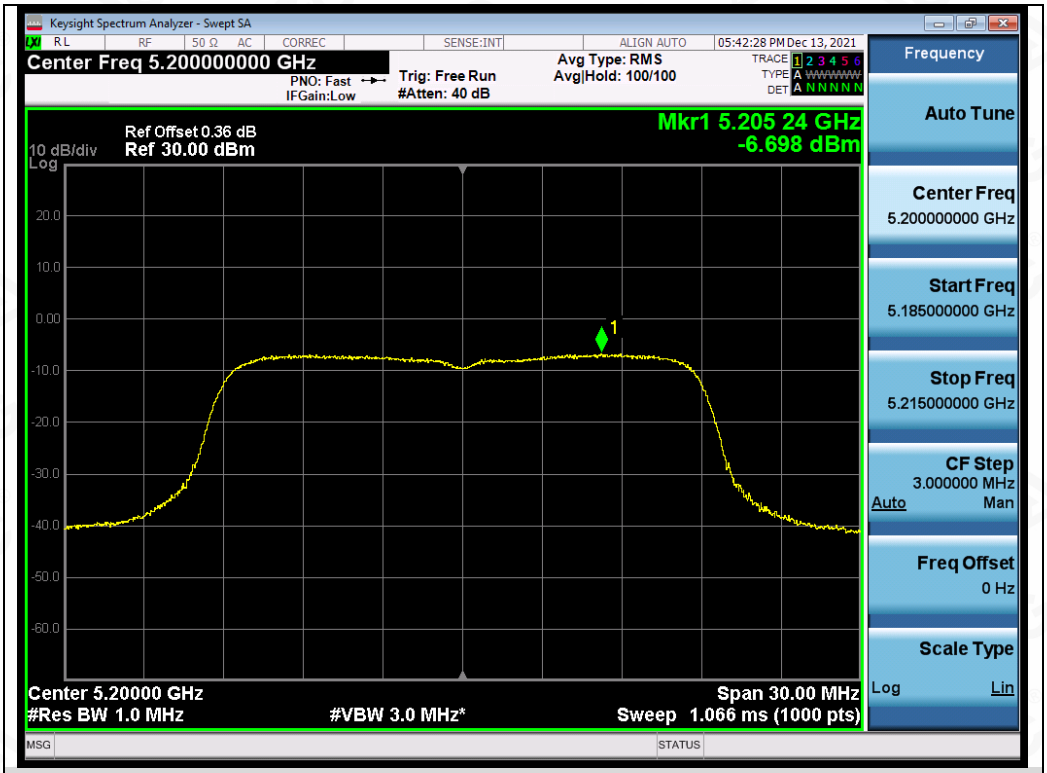


Test_Graph_802.11a_ANT1_5200_6Mbps_PSD

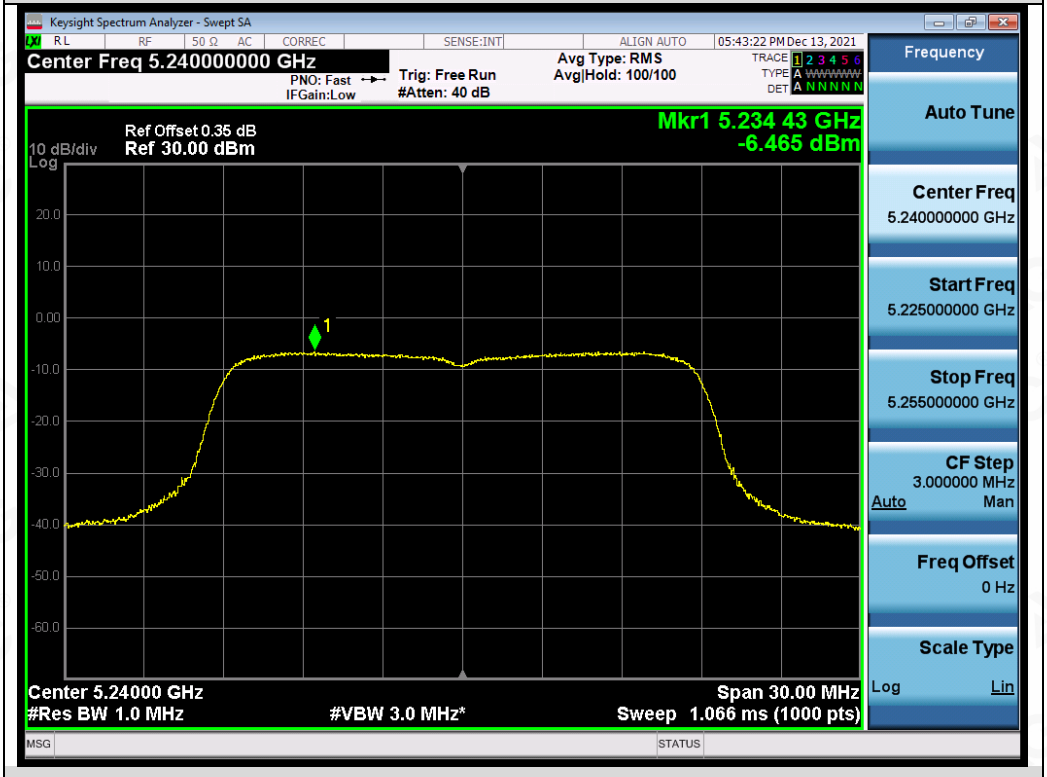
Test_Graph_802.11a_ANT1_5240_6Mbps_PSD



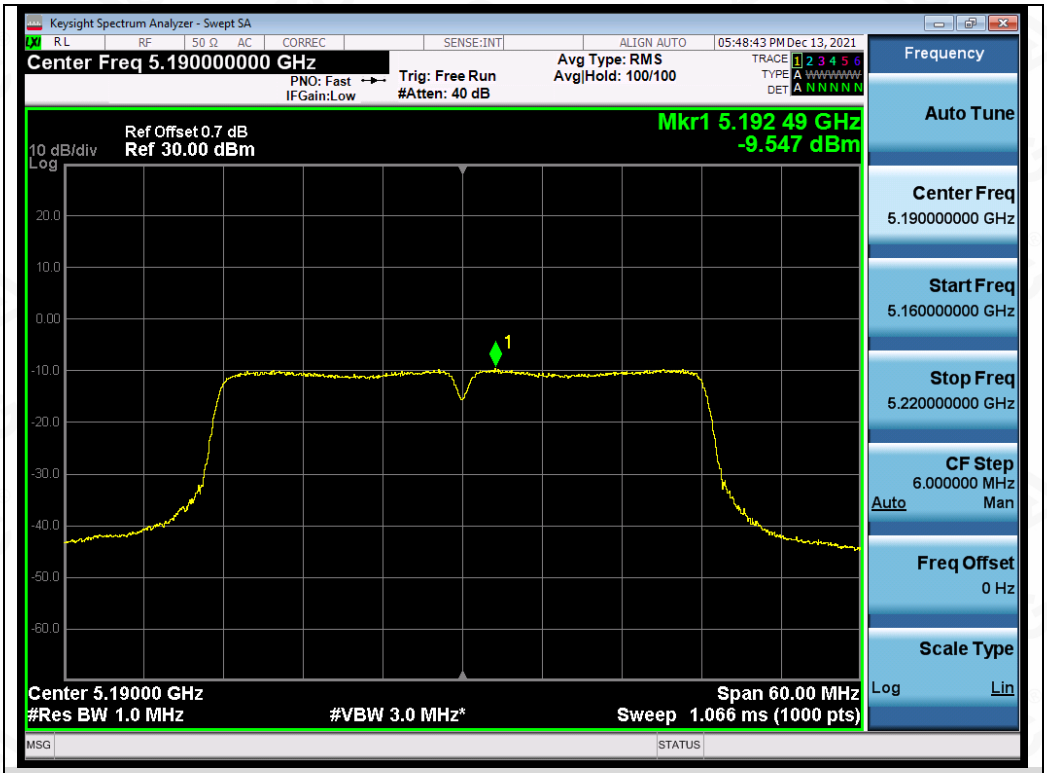
Test_Graph_802.11n20_ANT1_5180_MCS0_PSD



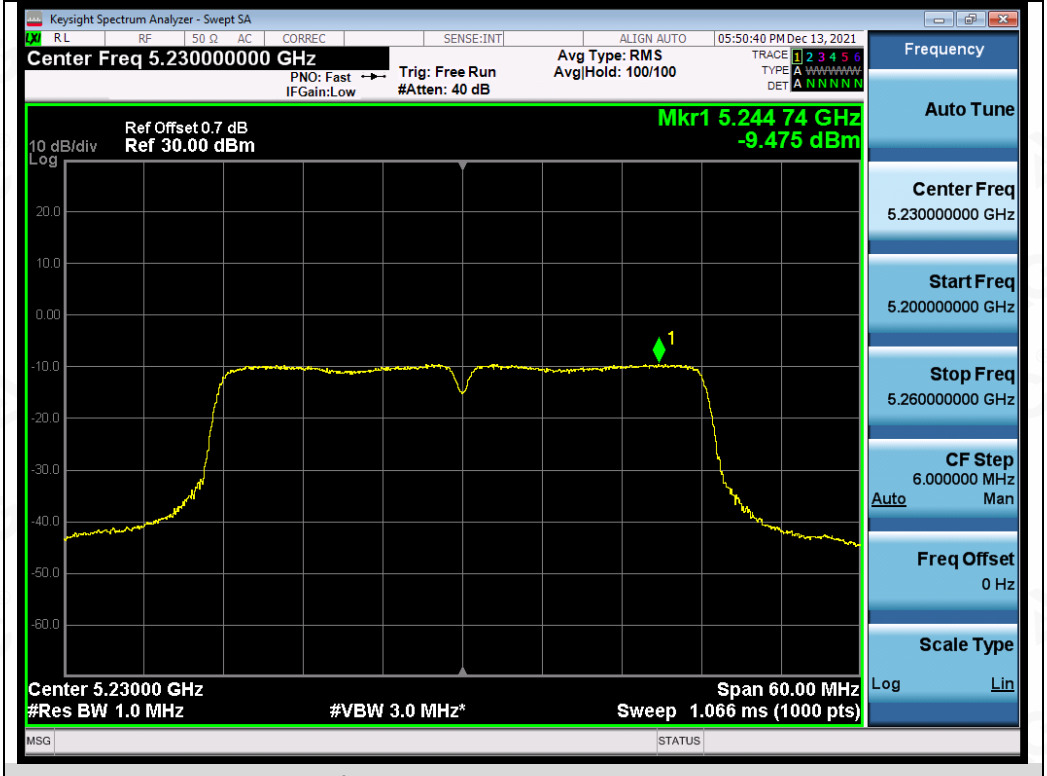
Test_Graph_802.11n20_ANT1_5200_MCS0_PSD



Test_Graph_802.11n20_ANT1_5240_MCS0_PSD

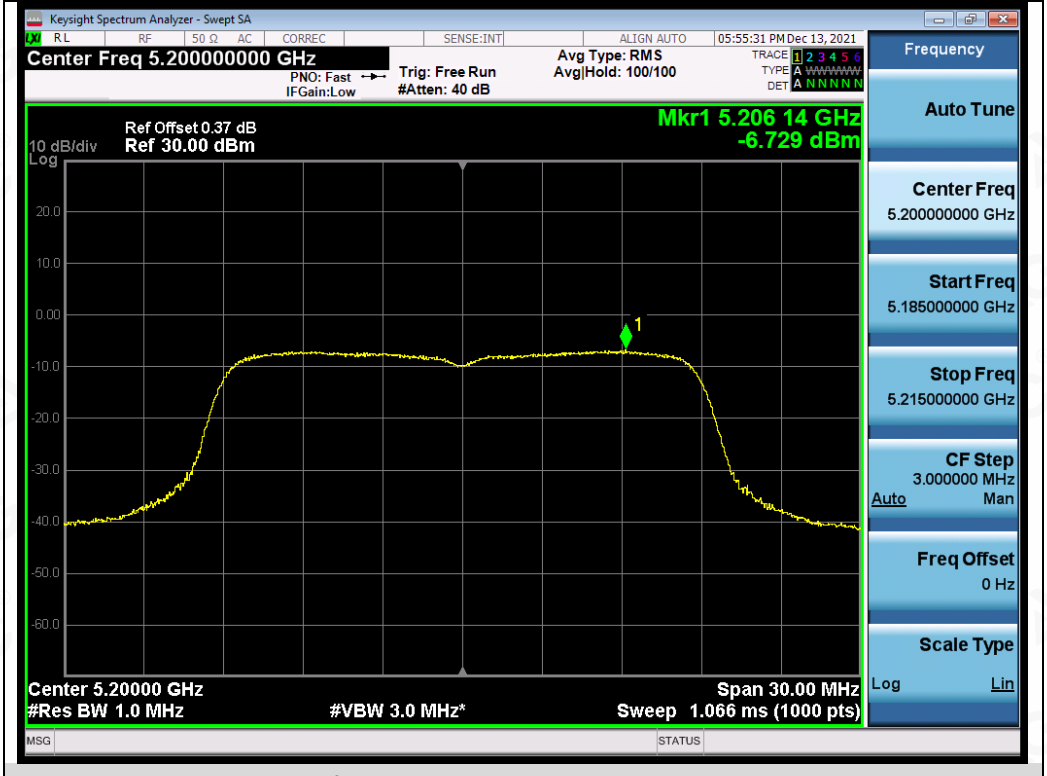


Test_Graph_802.11n40_ANT1_5190_MCS0_PSD



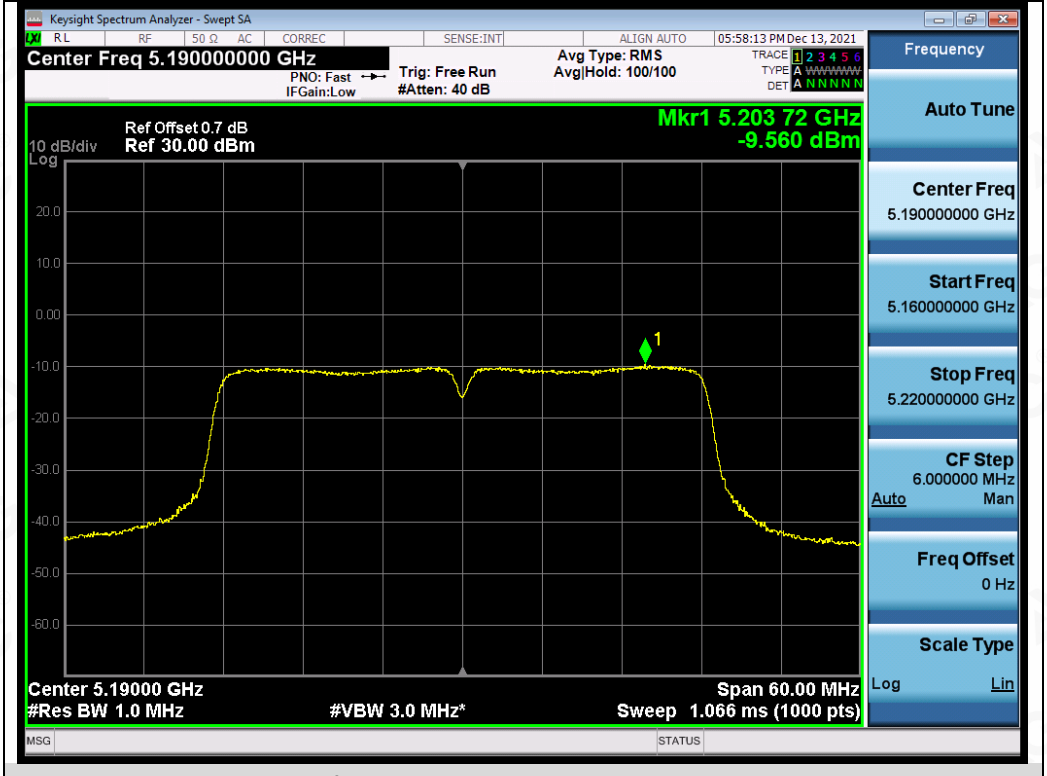
Test_Graph_802.11n40_ANT1_5230_MCS0_PSD

Test_Graph_802.11ac20_ANT1_5180_MCS0_PSD



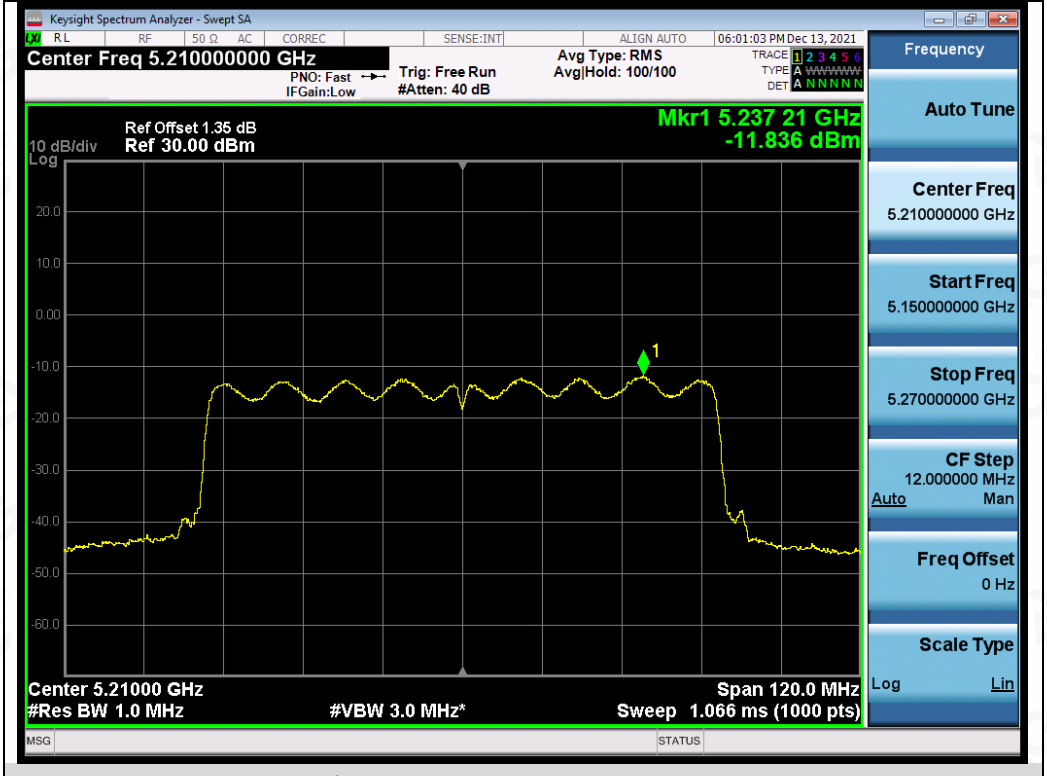
Test_Graph_802.11ac20_ANT1_5200_MCS0_PSD

Test_Graph_802.11ac20_ANT1_5240_MCS9_PSD

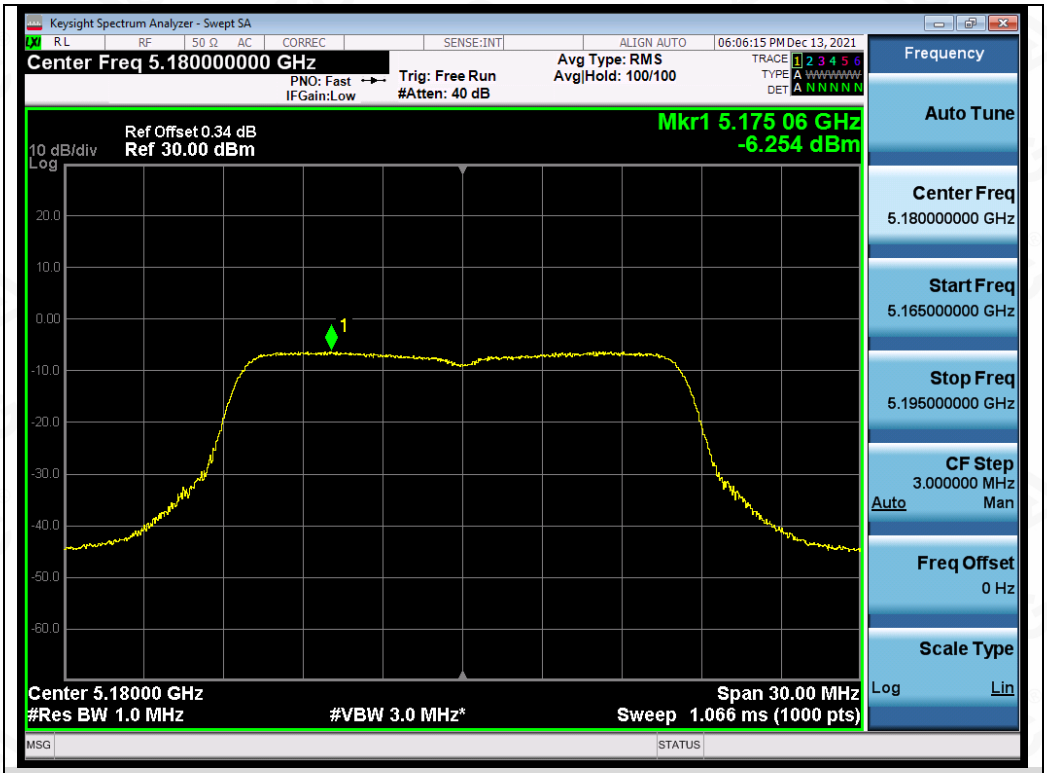


Test_Graph_802.11ac40_ANT1_5190_MCS9_PSD

Test_Graph_802.11ac40_ANT1_5230_MCS9_PSD



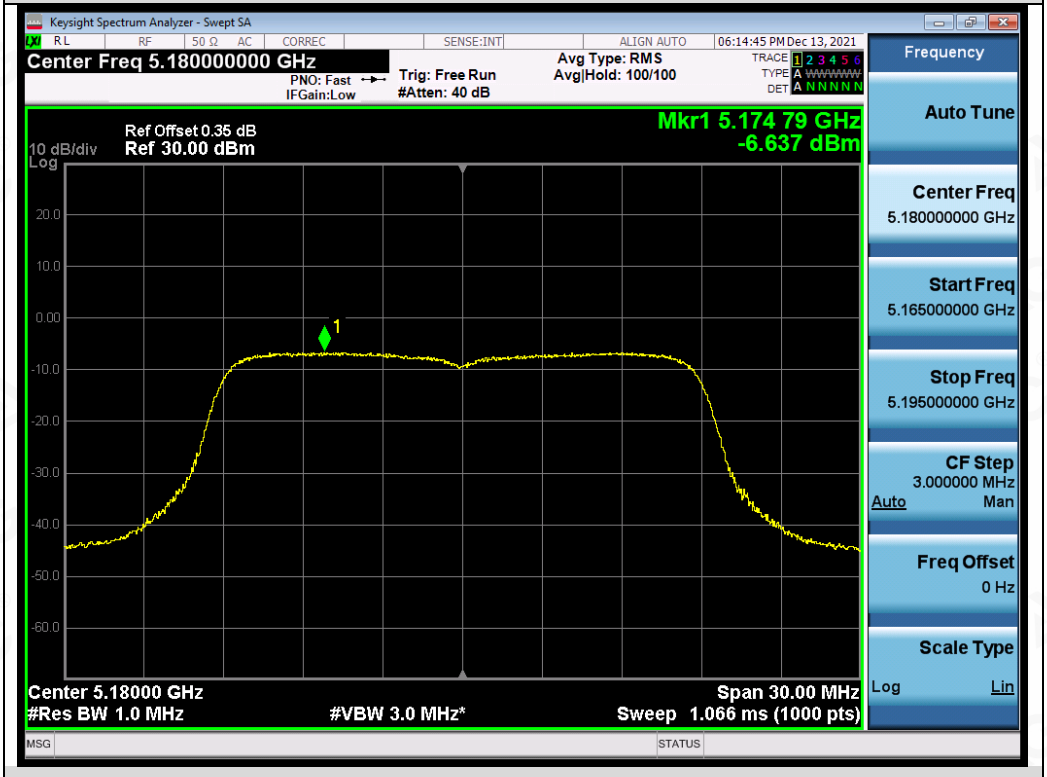
Test_Graph_802.11ac80_ANT1_5210_MCS9_PSD



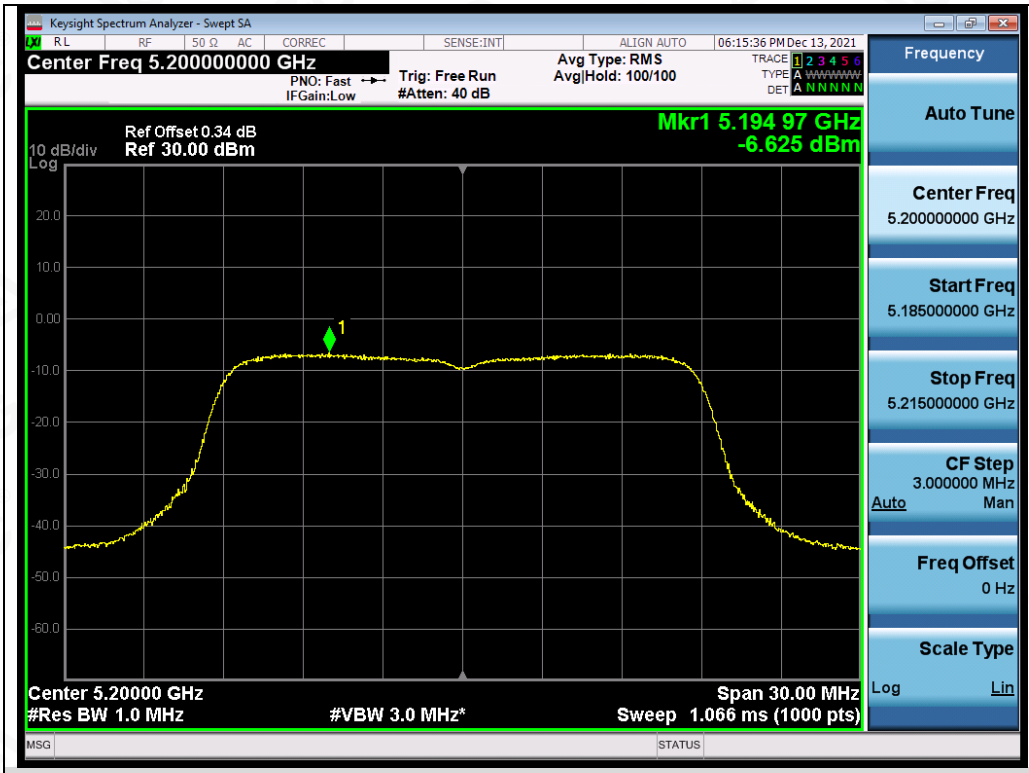
Test_Graph_802.11a_ANT2_5180_6Mbps_PSD

Test_Graph_802.11a_ANT2_5200_6Mbps_PSD

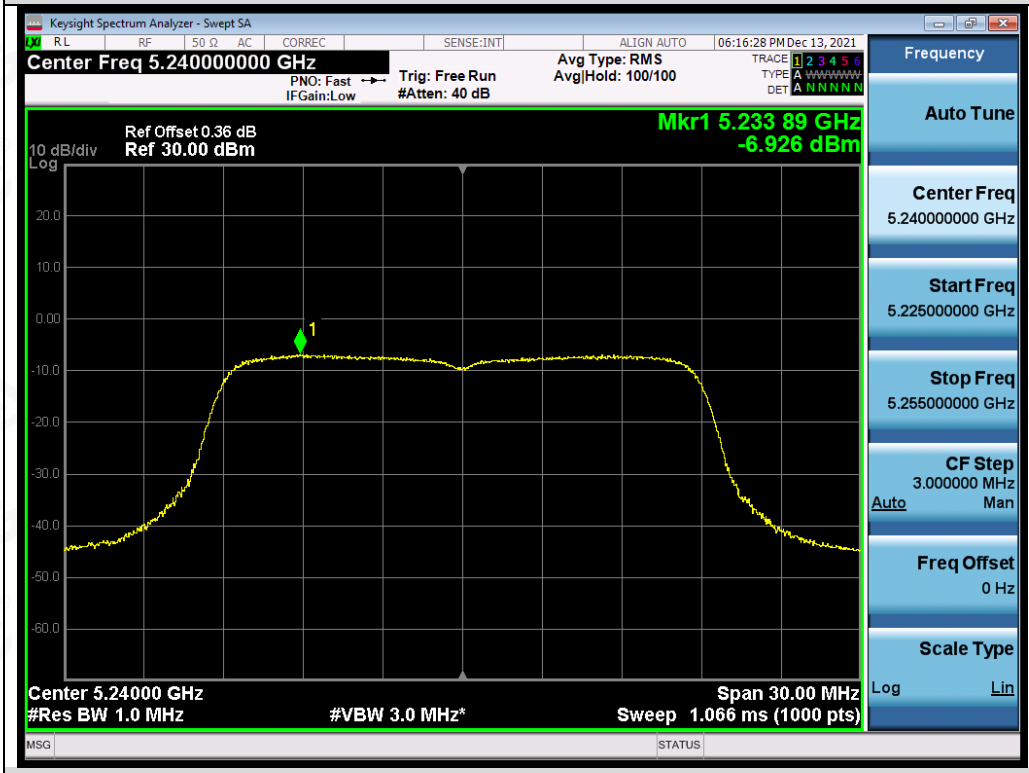
Test_Graph_802.11a_ANT2_5240_6Mbps_PSD



Test_Graph_802.11n20_ANT2_5180_MCS0_PSD

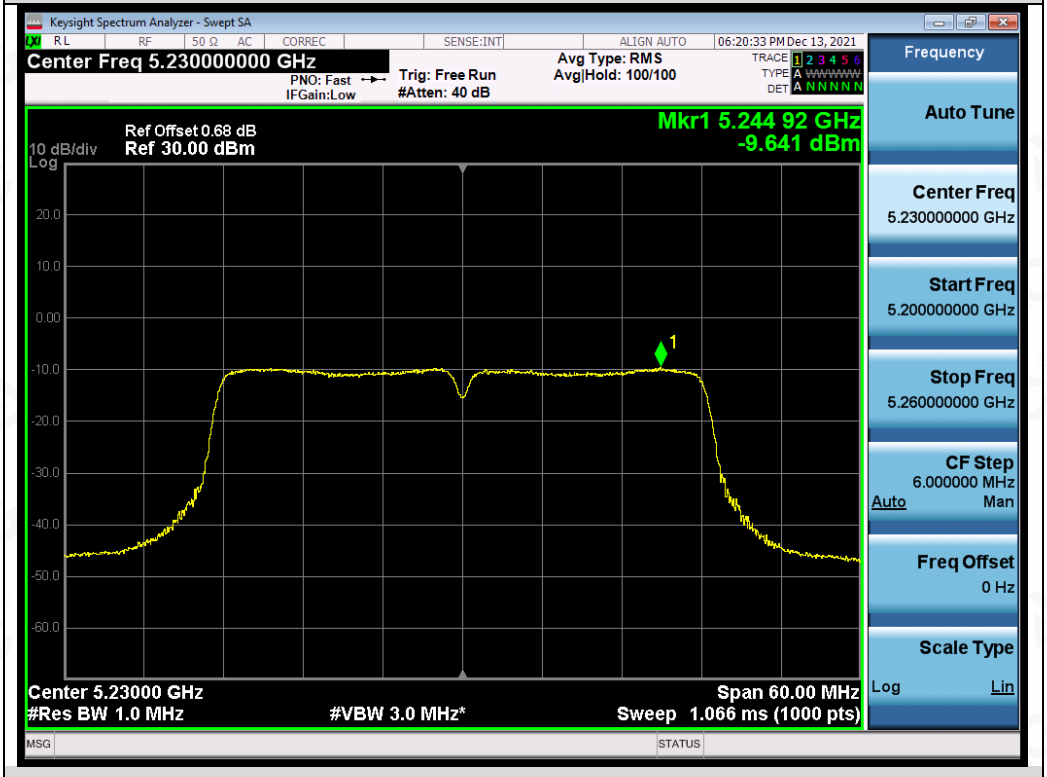


Test_Graph_802.11n20_ANT2_5200_MCS0_PSD

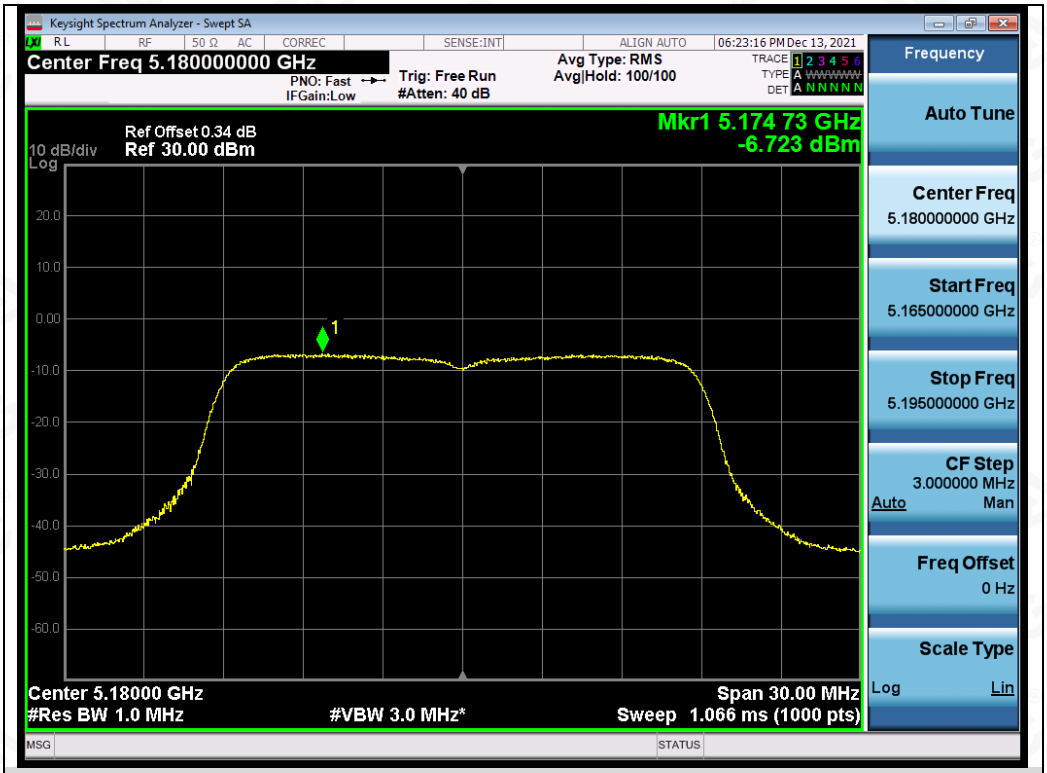


Test_Graph_802.11n20_ANT2_5240_MCS0_PSD

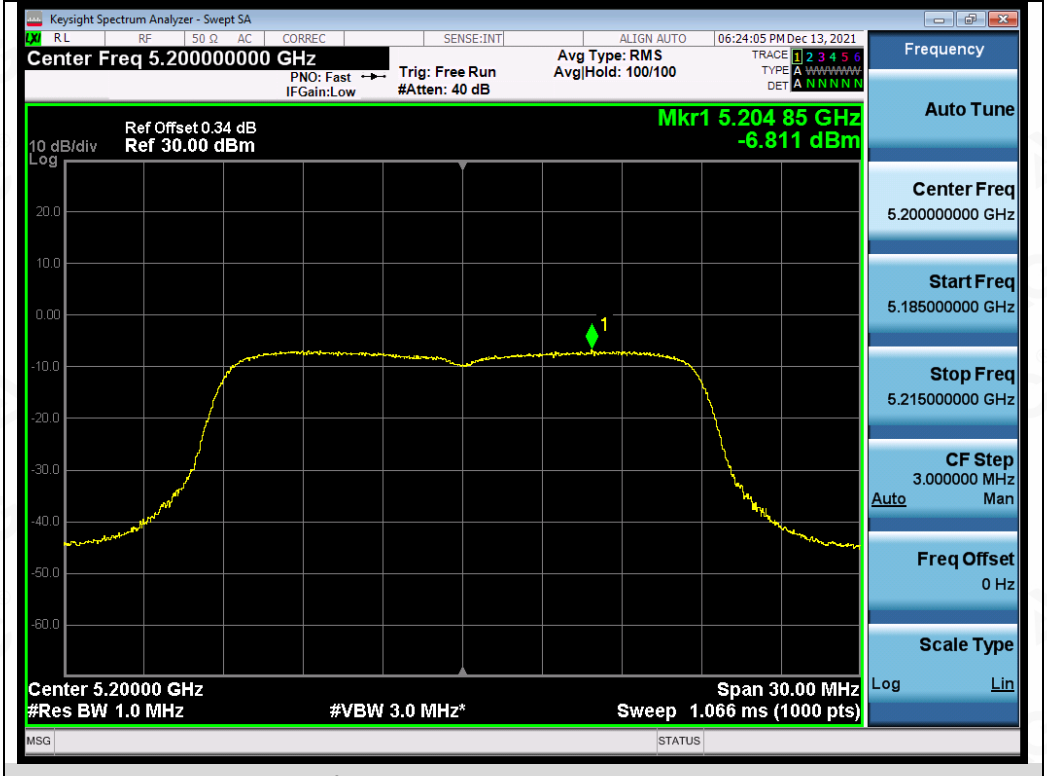
Test_Graph_802.11n40_ANT2_5190_MCS0_PSD



Test_Graph_802.11n40_ANT2_5230_MCS0_PSD



Test_Graph_802.11ac20_ANT2_5180_MCS0_PSD



Test_Graph_802.11ac20_ANT2_5200_MCS0_PSD