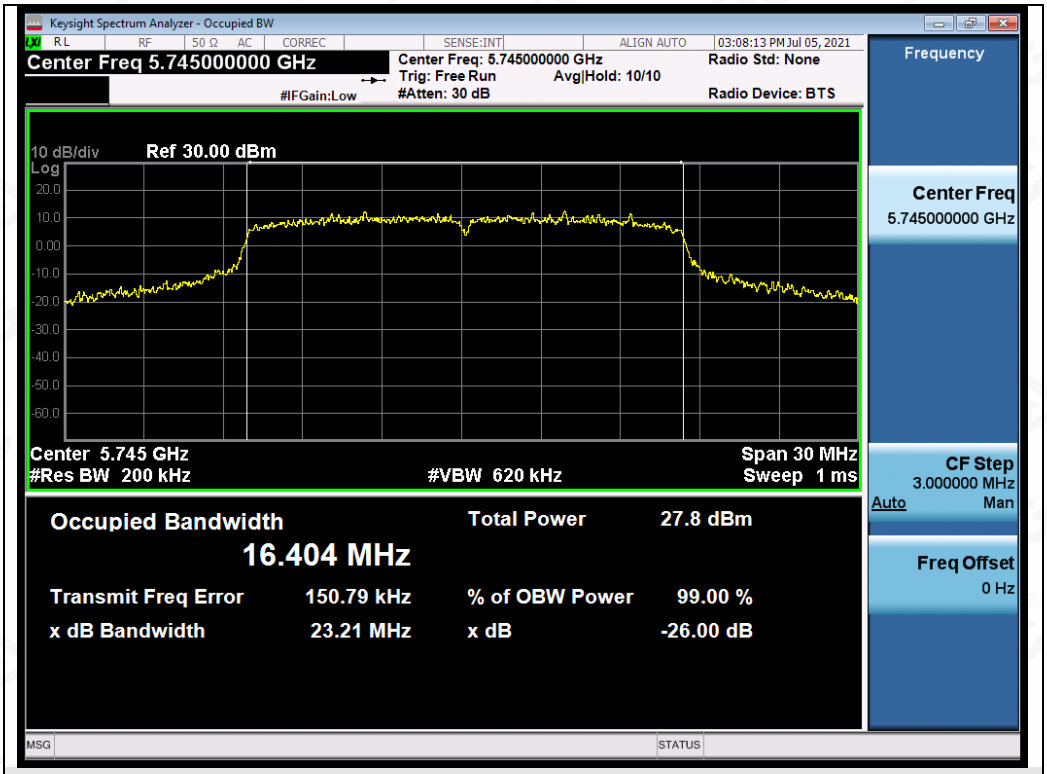
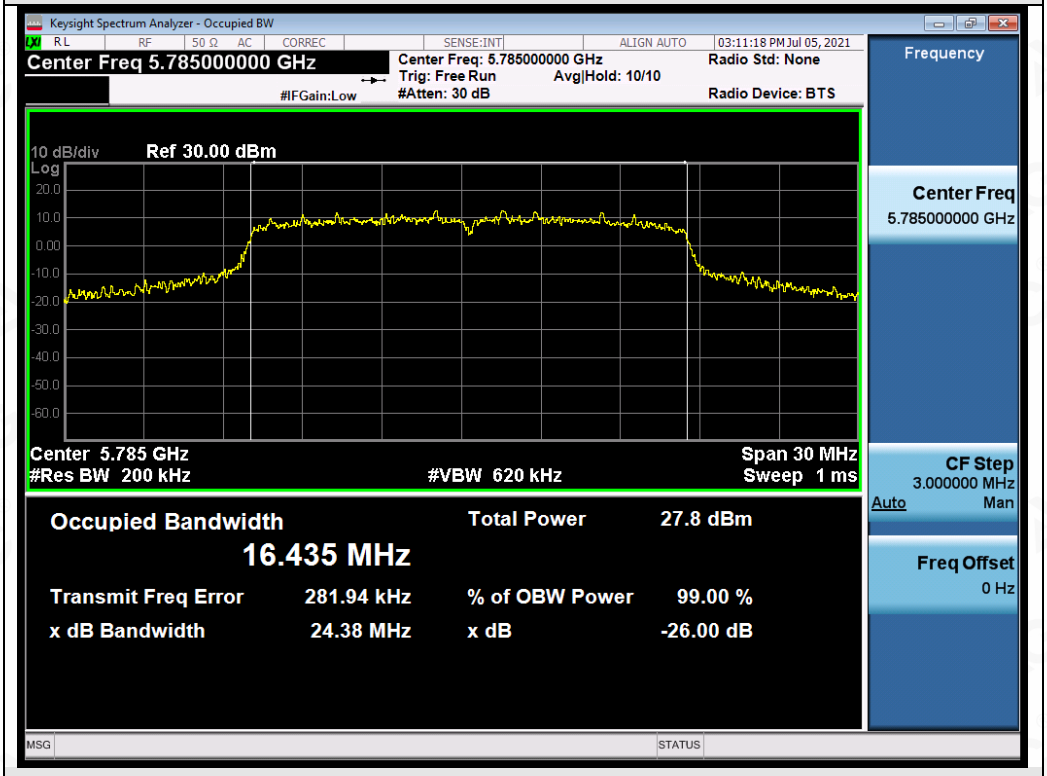
Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz

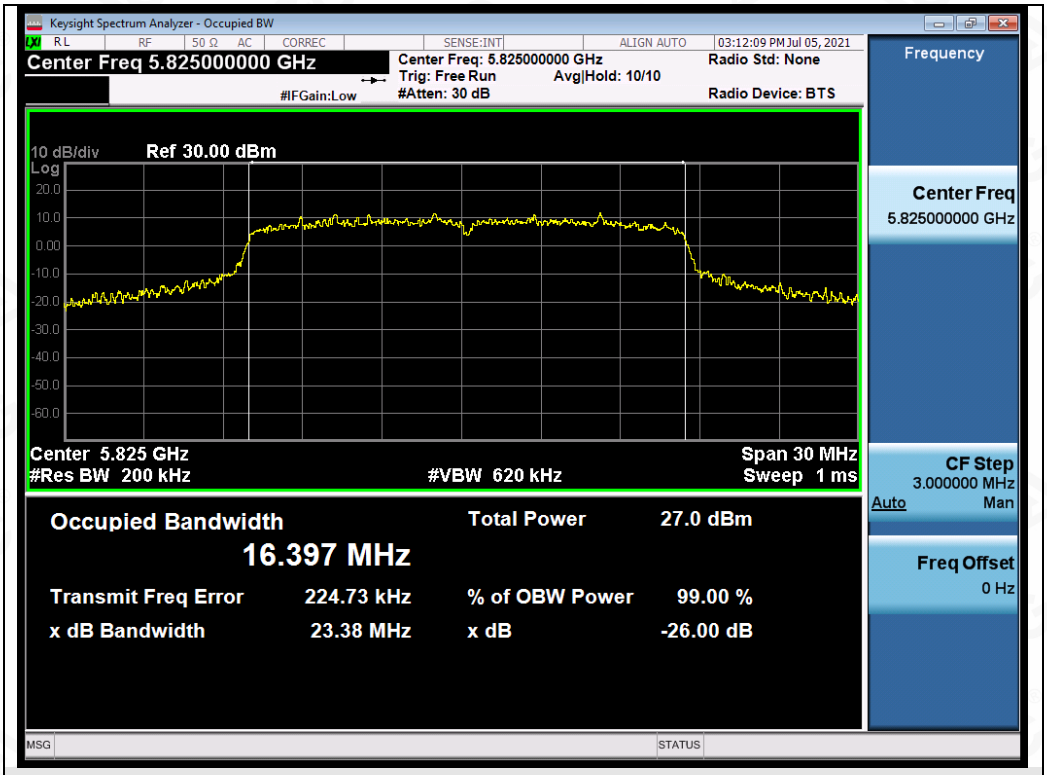
-Bandwidth 20 MHz-ant 1



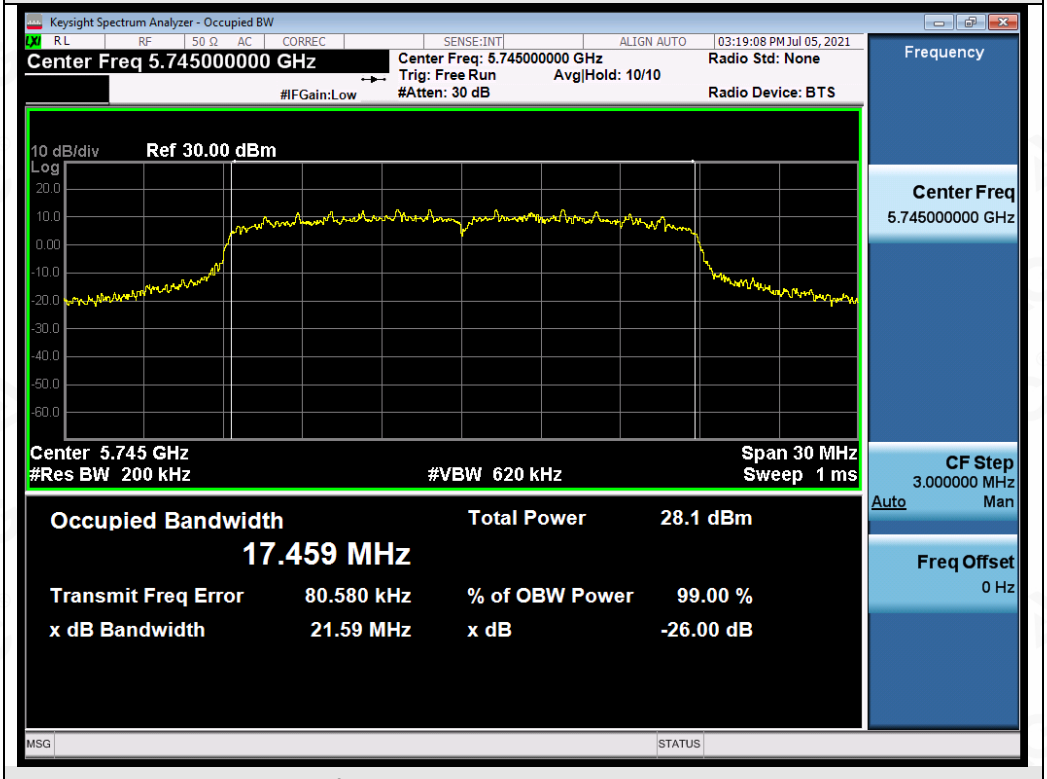
Test_Graph_802.11a_ANT1_5745_6Mbps_OBW



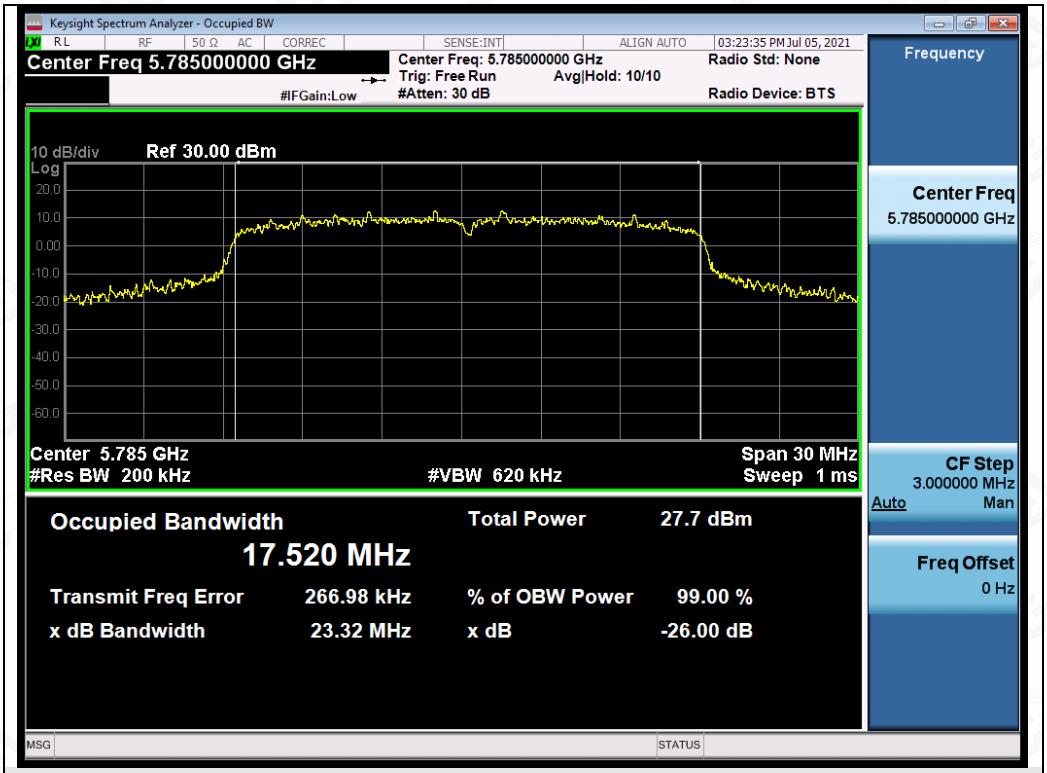
Test_Graph_802.11a_ANT1_5785_6Mbps_OBW



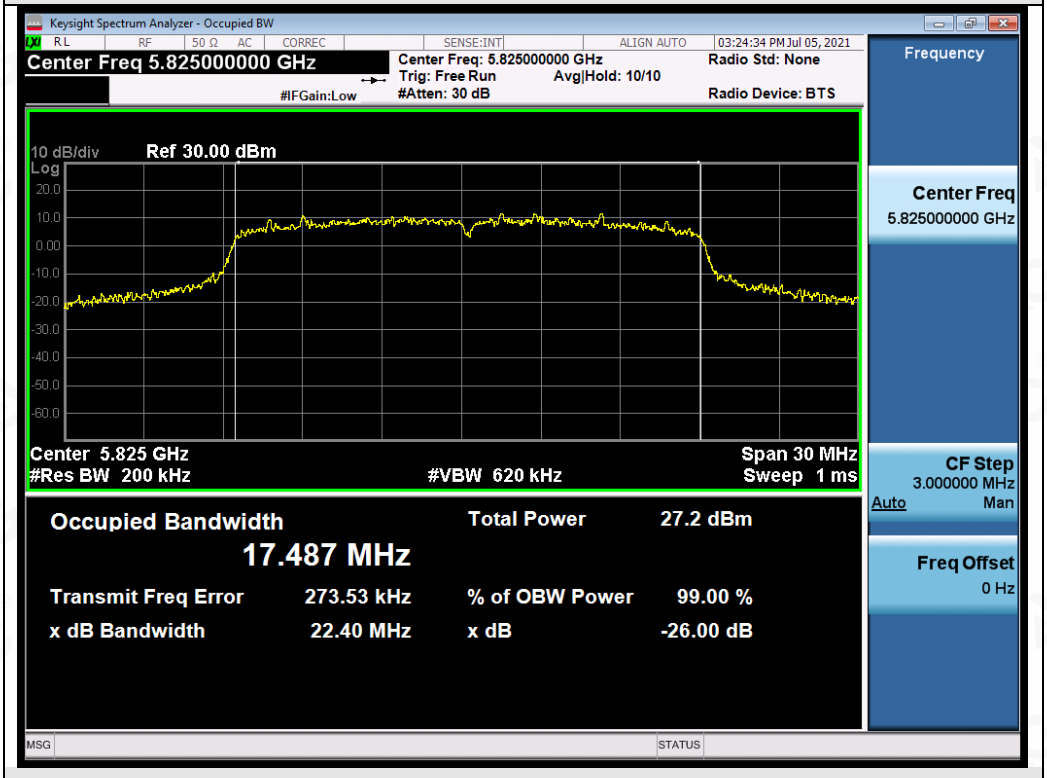
Test_Graph_802.11a_ANT1_5825_6Mbps_OBW



Test_Graph_802.11n20_ANT1_5745_MCS0_OBW



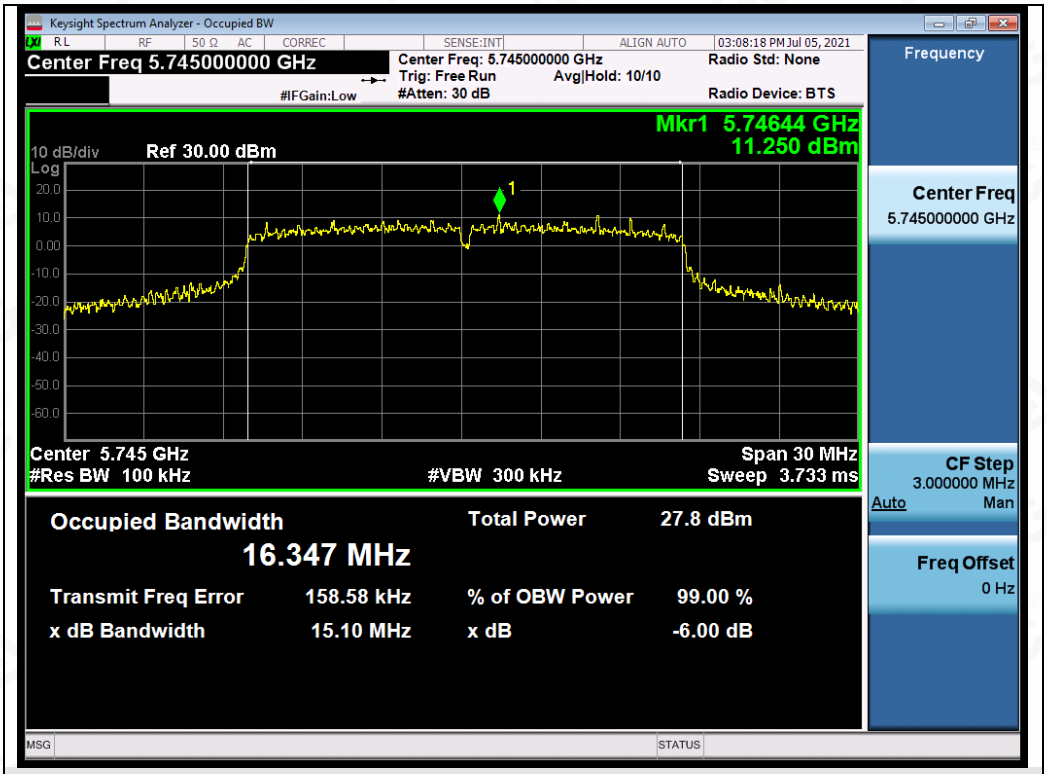
Test_Graph_802.11n20_ANT1_5785_MCS0_OBW



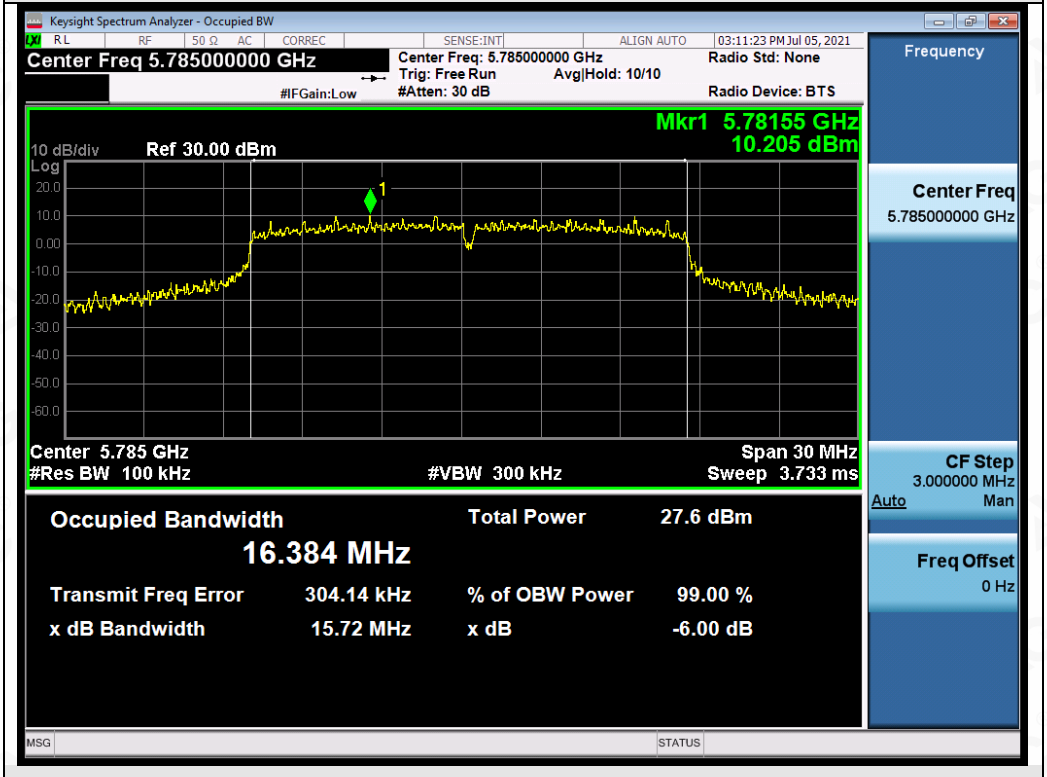
Test_Graph_802.11n20_ANT1_5825_MCS0_OBW

Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

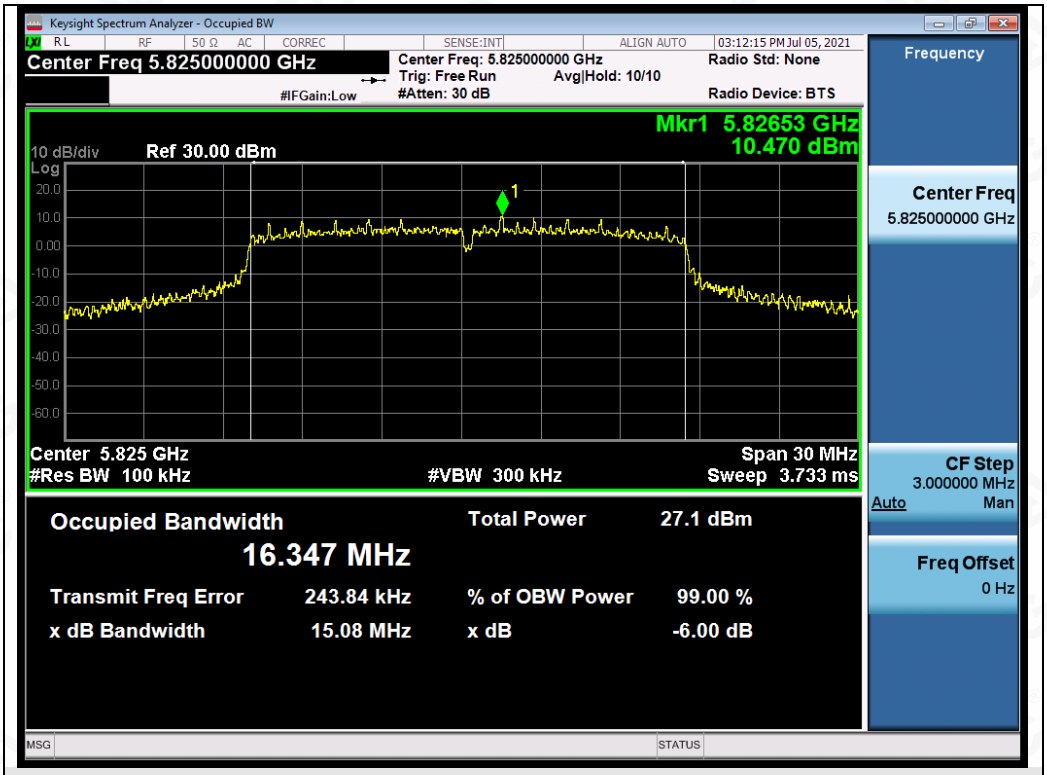
-Bandwidth 20 MHz-ant 1



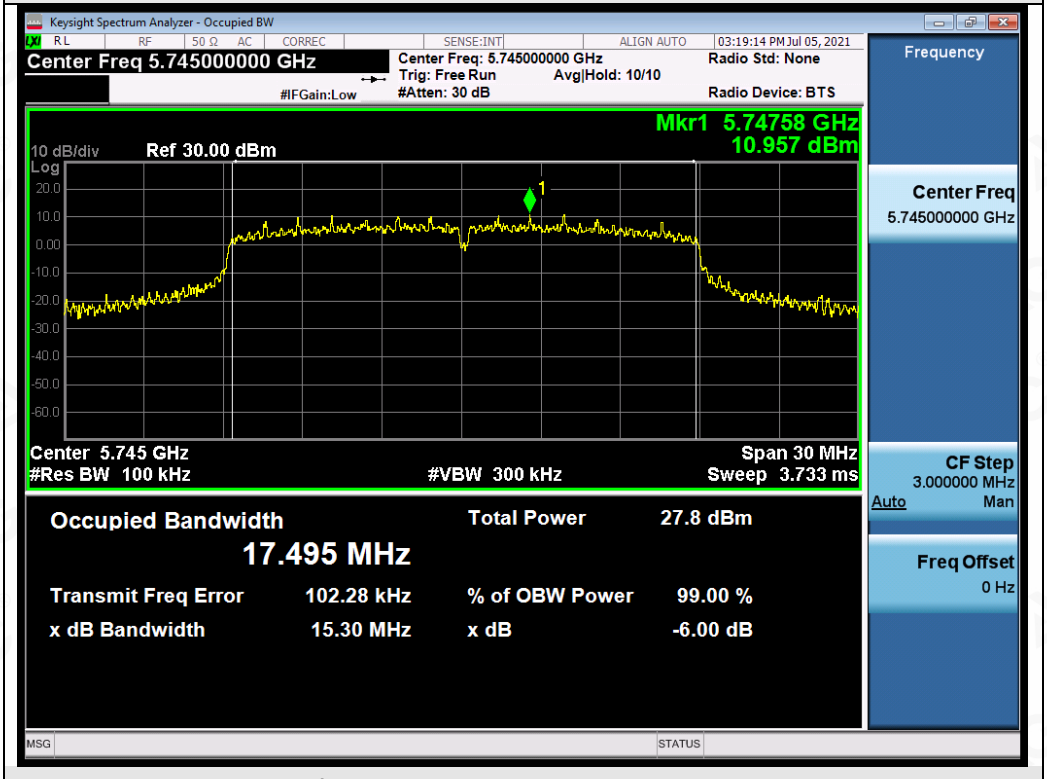
Test_Graph_802.11a_ANT1_5745_6Mbps_DTSBW



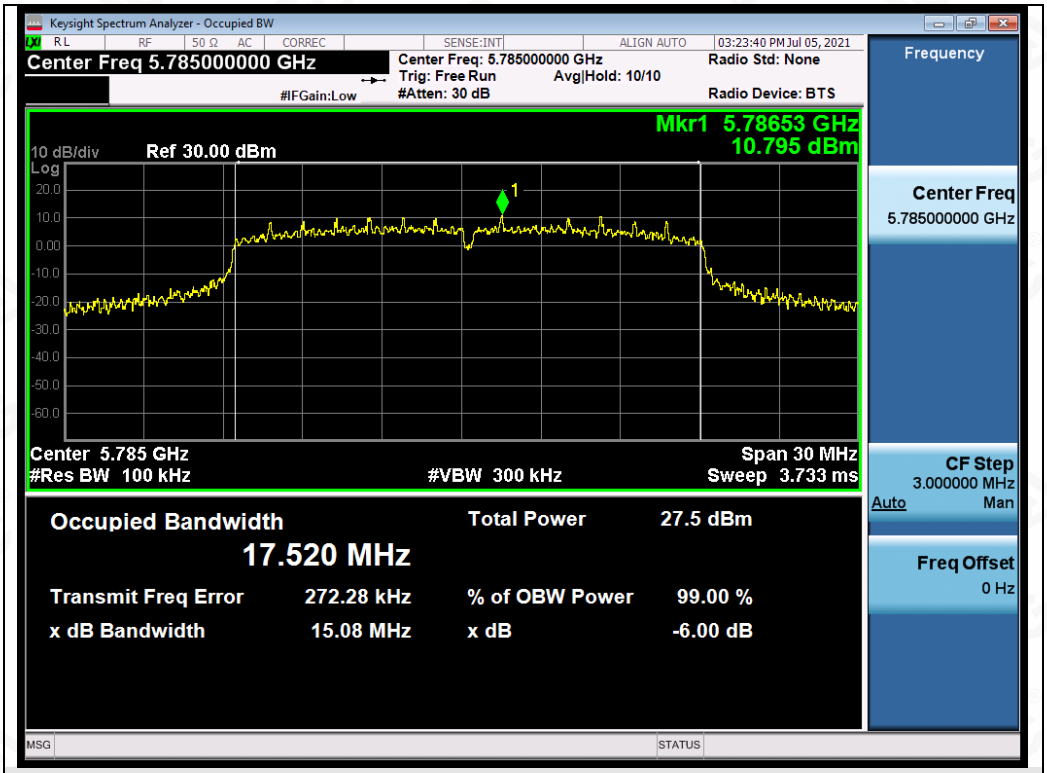
Test_Graph_802.11a_ANT1_5785_6Mbps_DTSBW



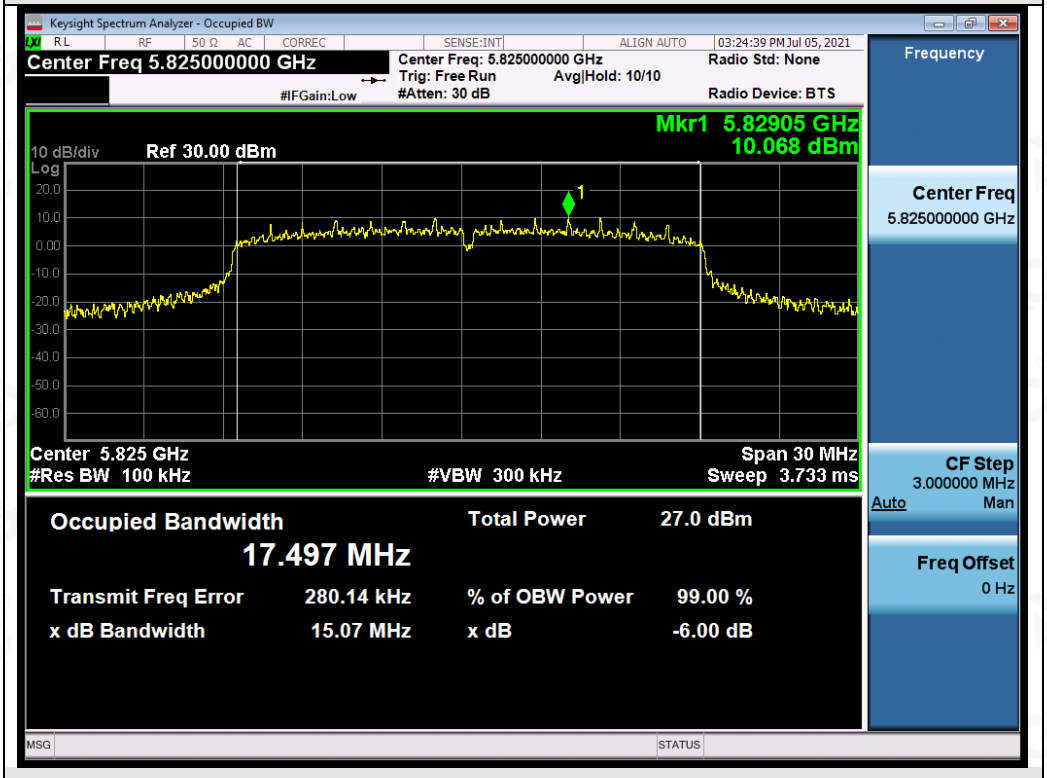
Test_Graph_802.11a_ANT1_5825_6Mbps_DTSBW



Test_Graph_802.11n20_ANT1_5745_MCS0_DTSBW



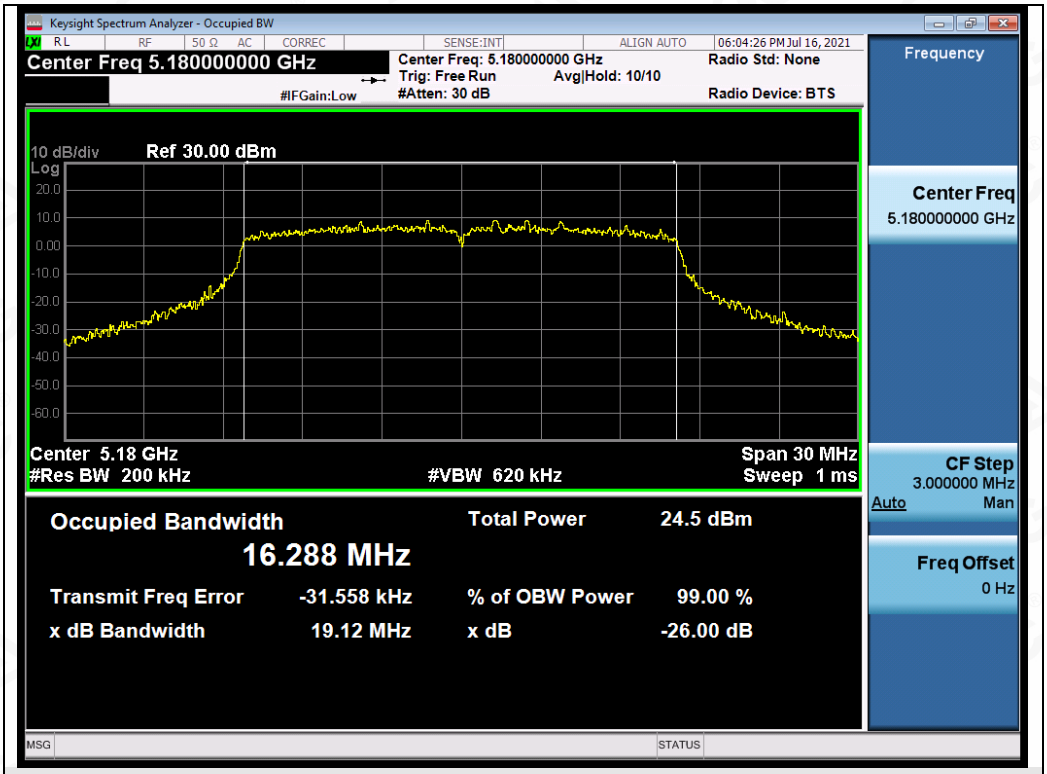
Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW



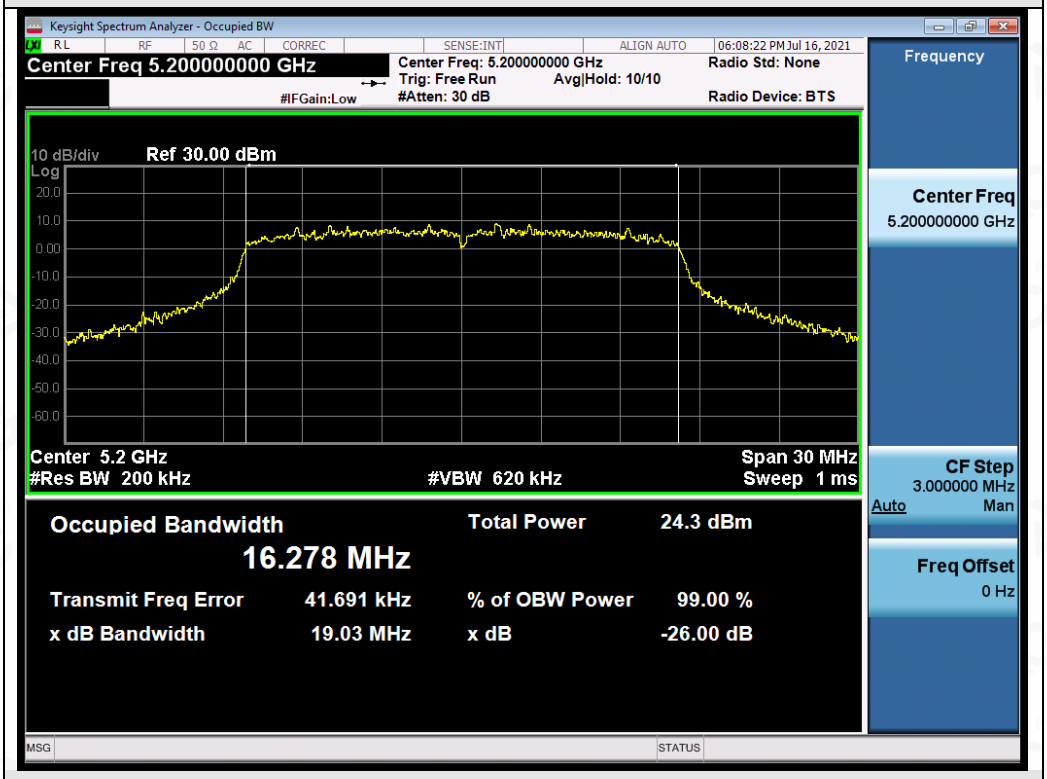
Test_Graph_802.11n20_ANT1_5825_MCS0_DTSBW

Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz

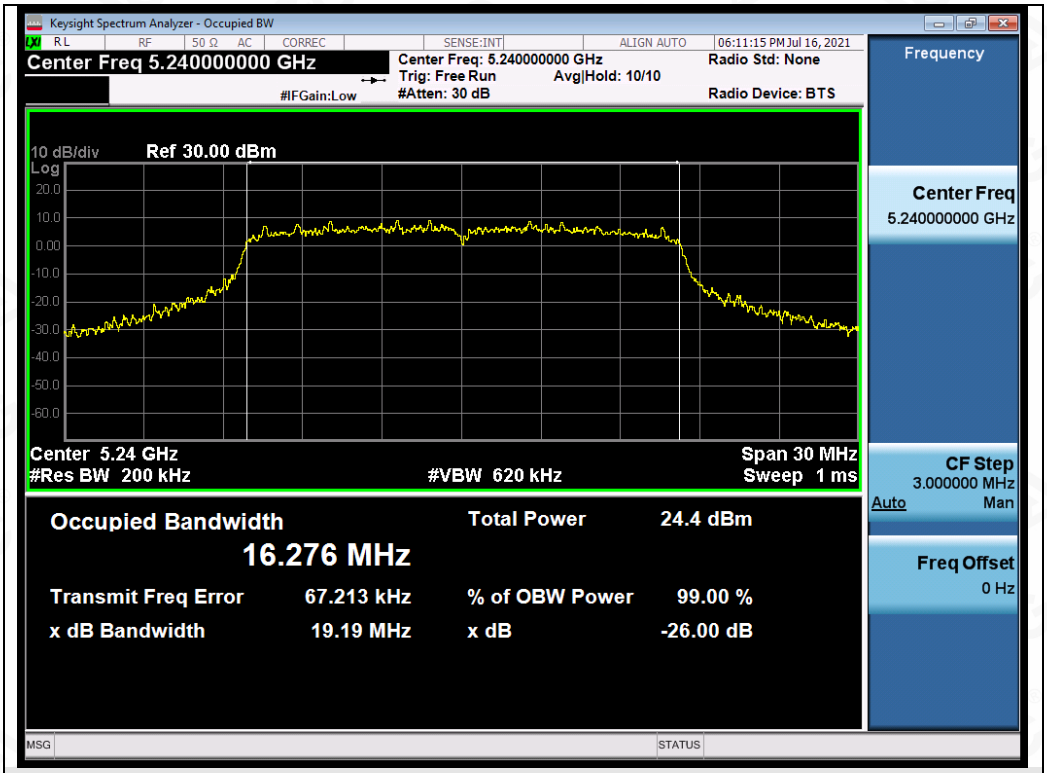
-Bandwidth 20 MHz-ant 2



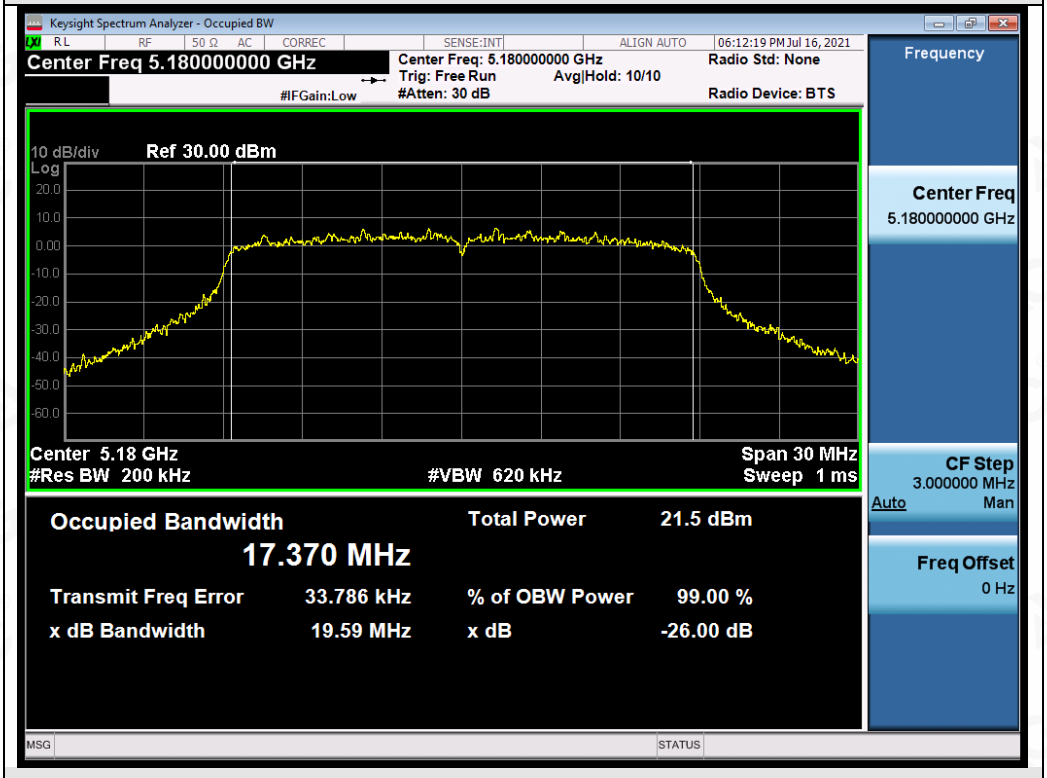
Test_Graph_802.11a_ANT2_5180_6Mbps_OBW



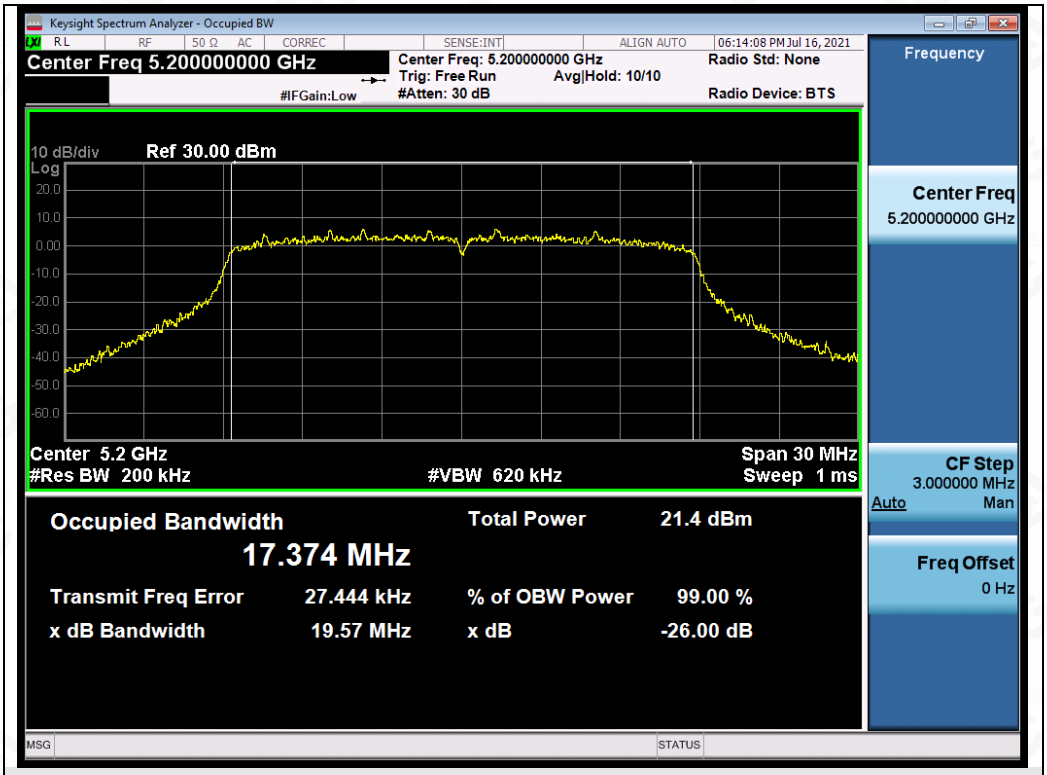
Test_Graph_802.11a_ANT2_5200_6Mbps_OBW



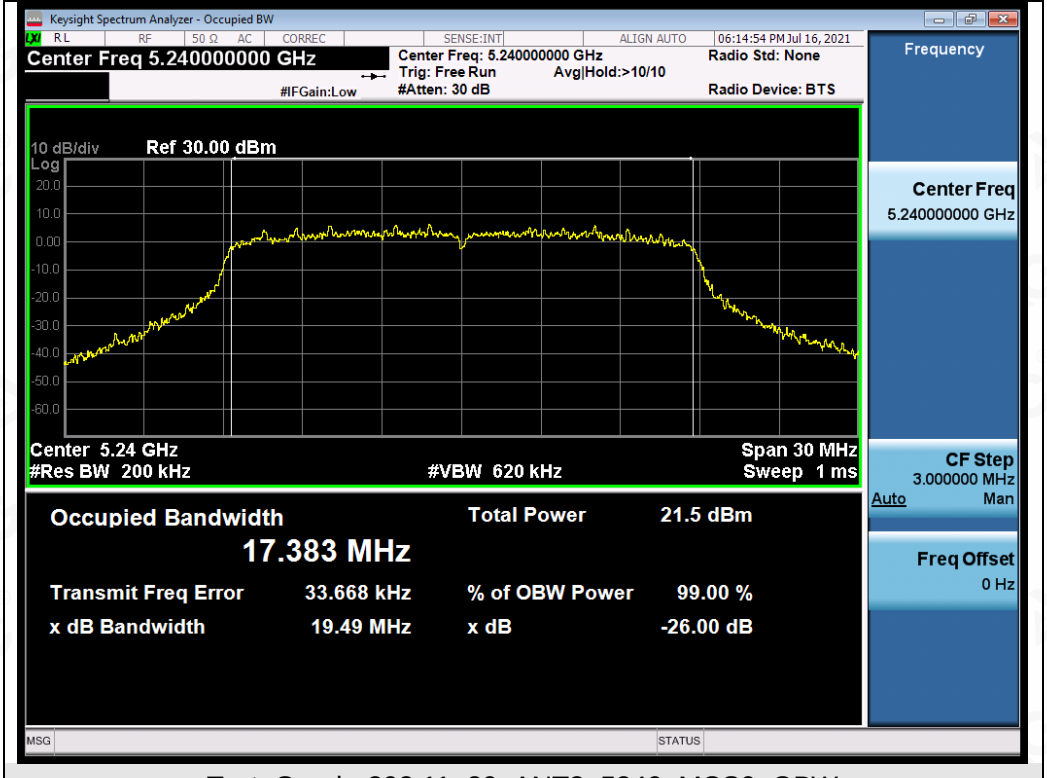
Test_Graph_802.11a_ANT2_5240_6Mbps_OBW



Test_Graph_802.11n20_ANT2_5180_MCS0_OBW



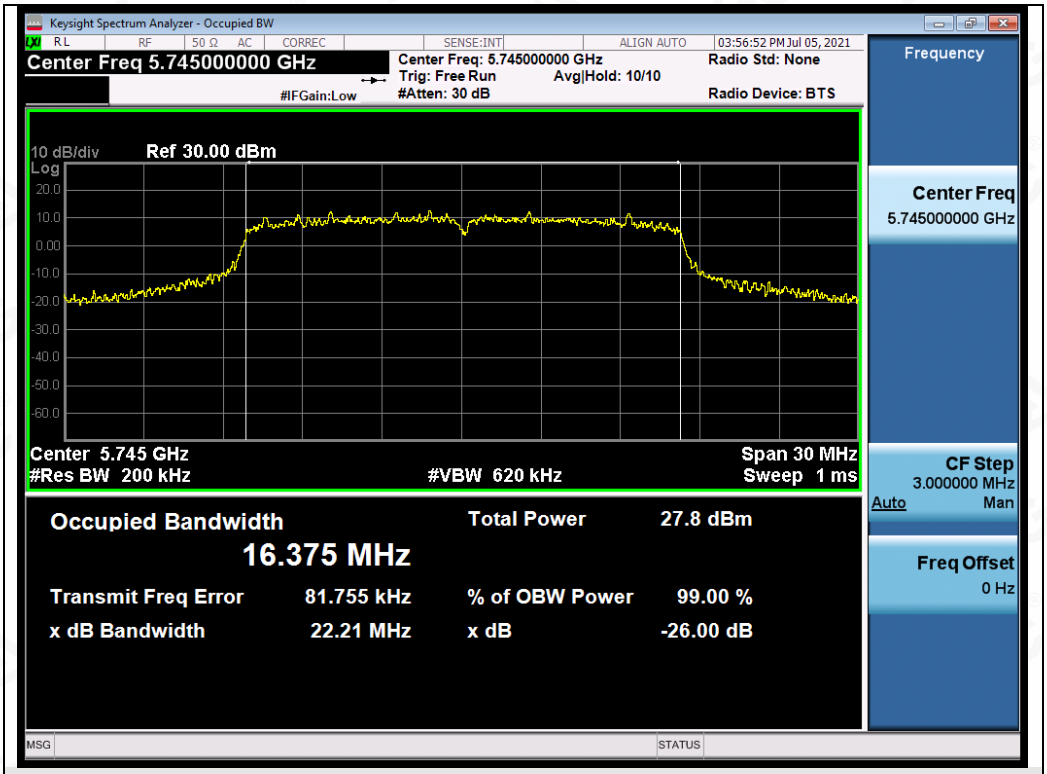
Test_Graph_802.11n20_ANT2_5200_MCS0_OBW



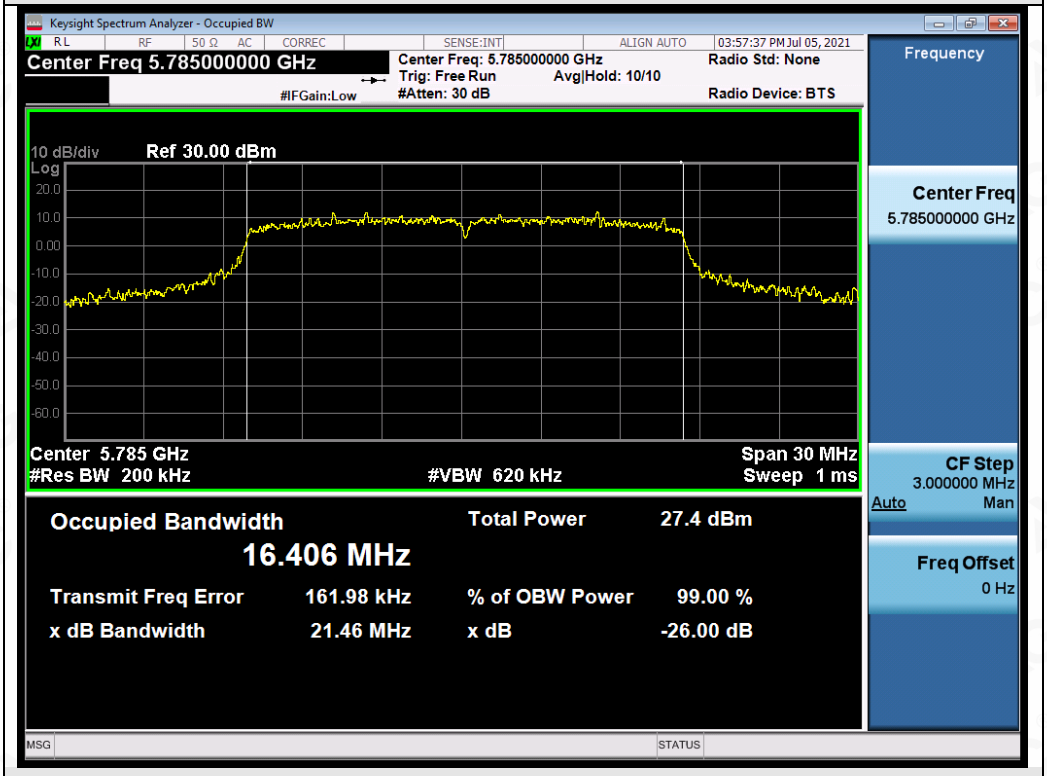
Test_Graph_802.11n20_ANT2_5240_MCS0_OBW

Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz

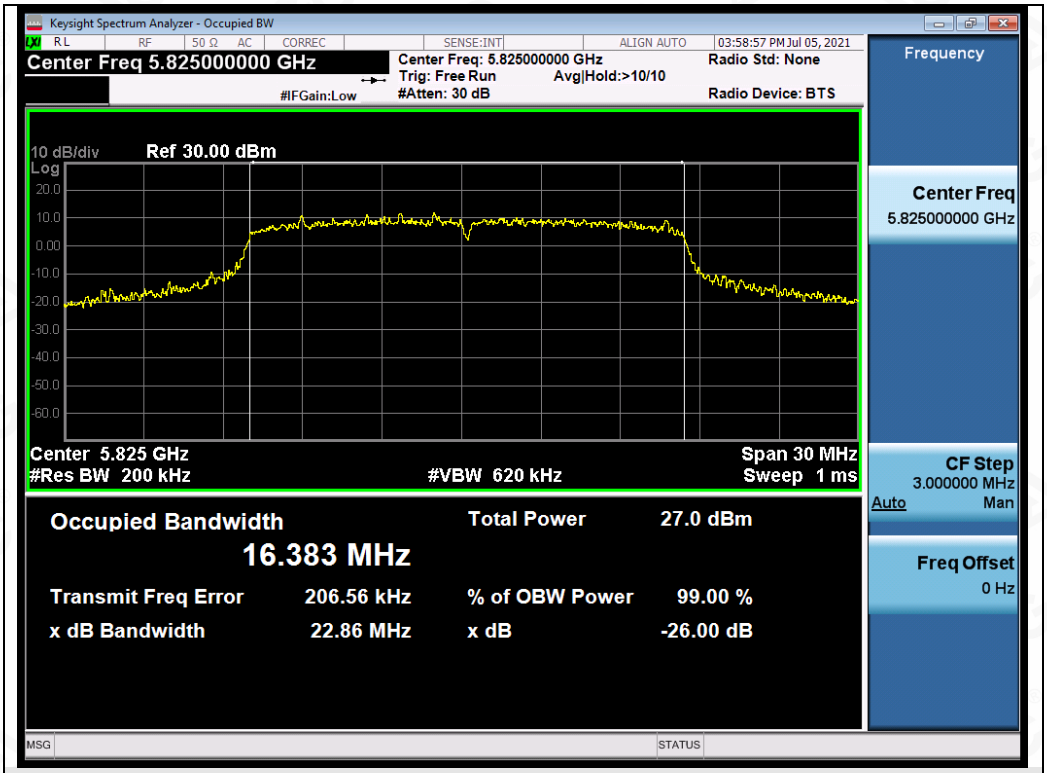
-Bandwidth 20 MHz-ant 2



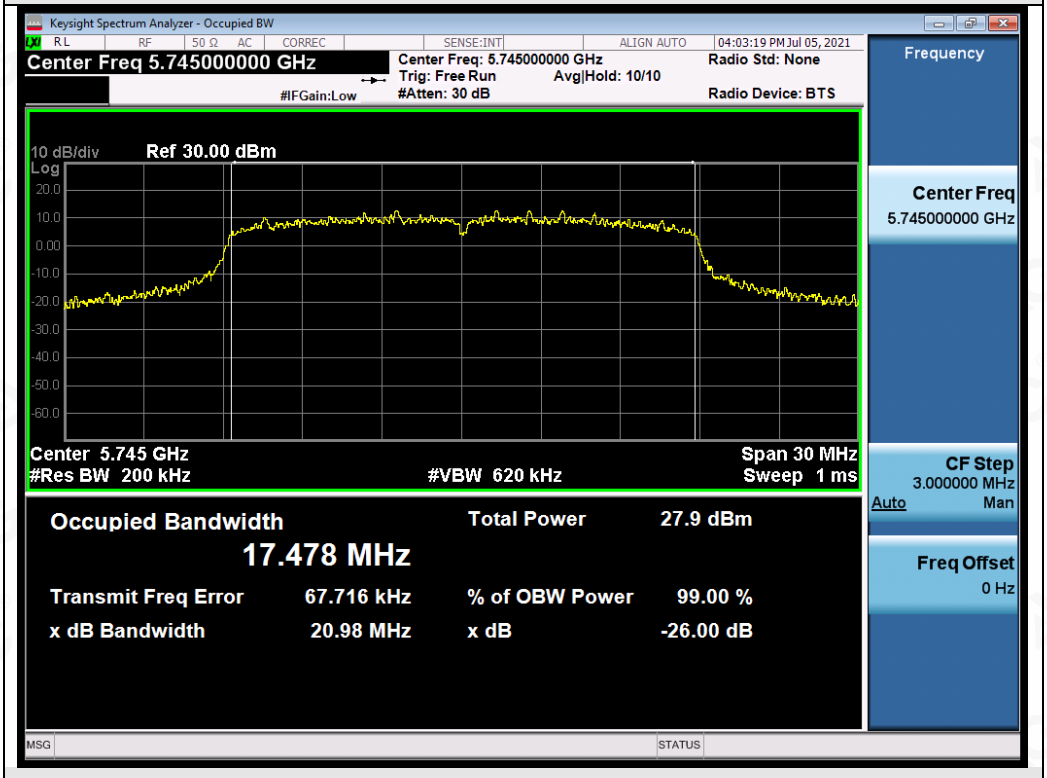
Test_Graph_802.11a_ANT2_5745_6Mbps_OBW



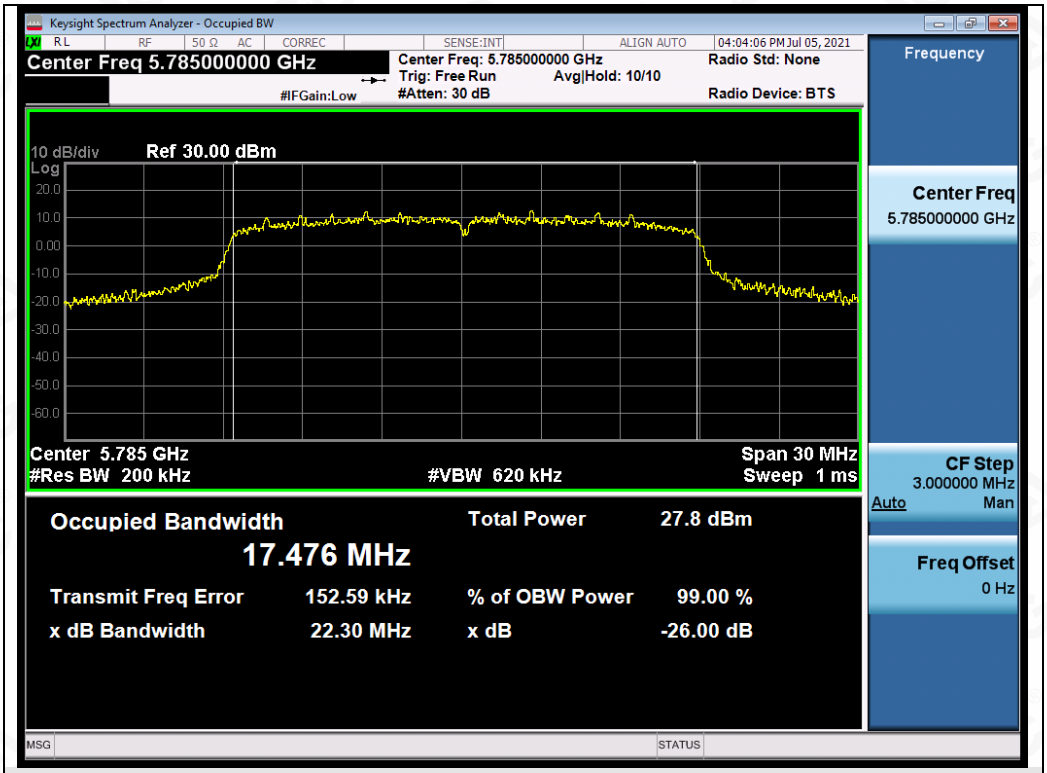
Test_Graph_802.11a_ANT2_5785_6Mbps_OBW



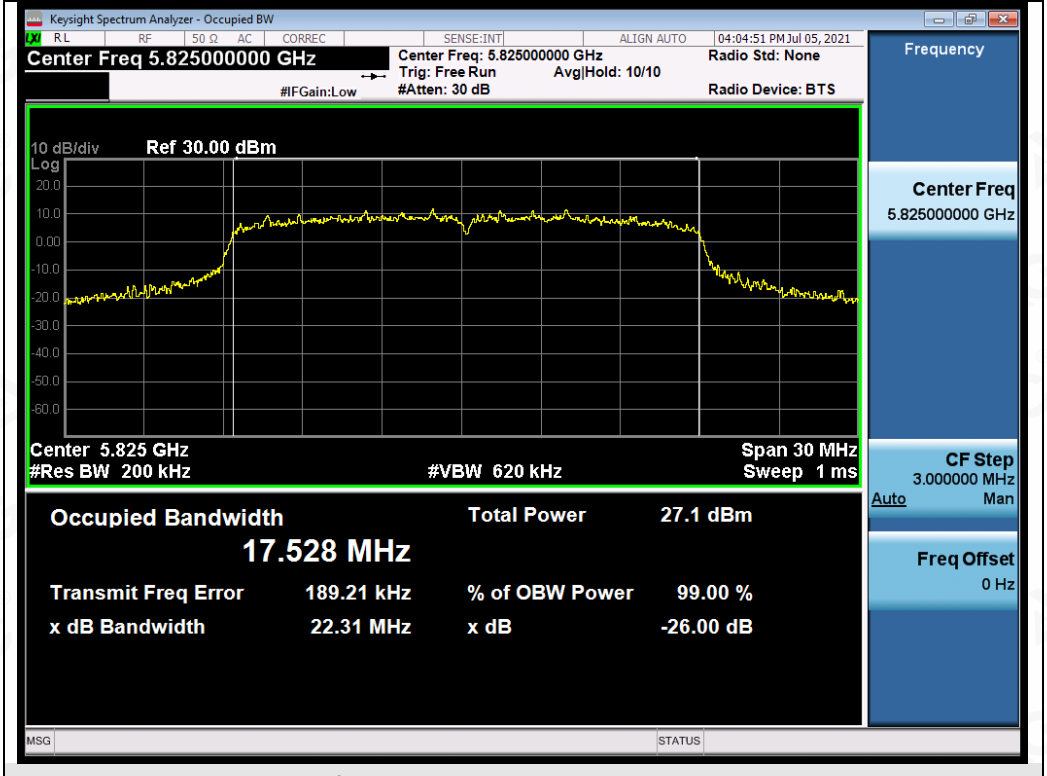
Test_Graph_802.11a_ANT2_5825_6Mbps_OBW



Test_Graph_802.11n20_ANT2_5745_MCS0_OBW



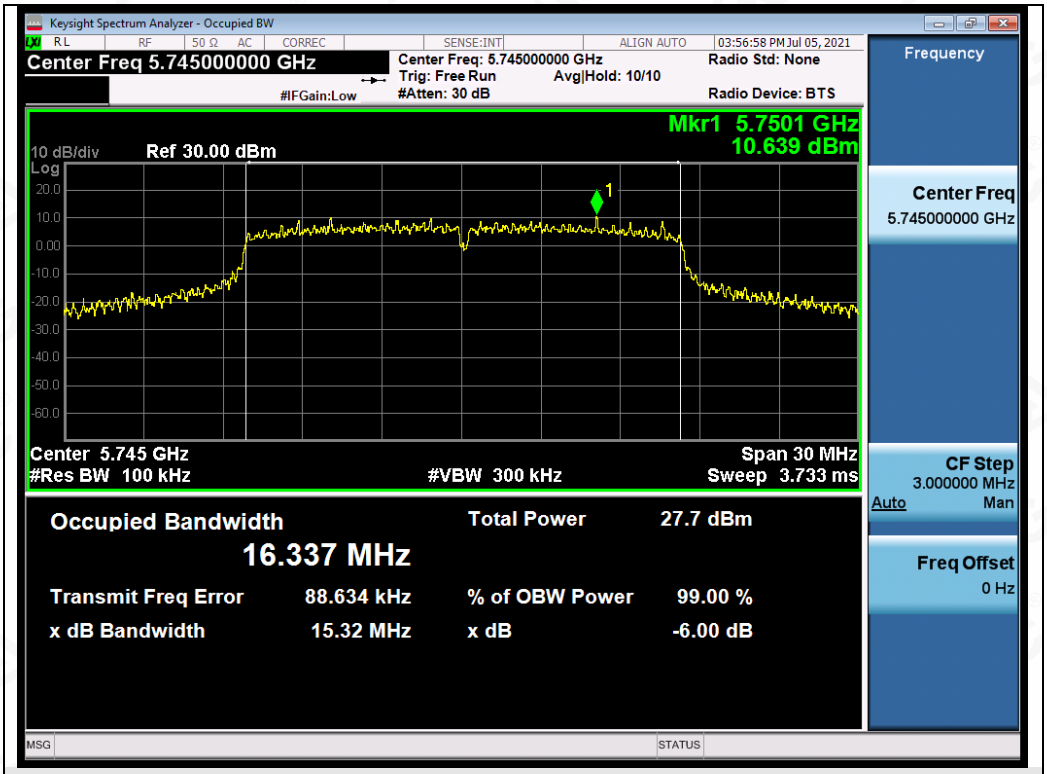
Test_Graph_802.11n20_ANT2_5785_MCS0_OBW



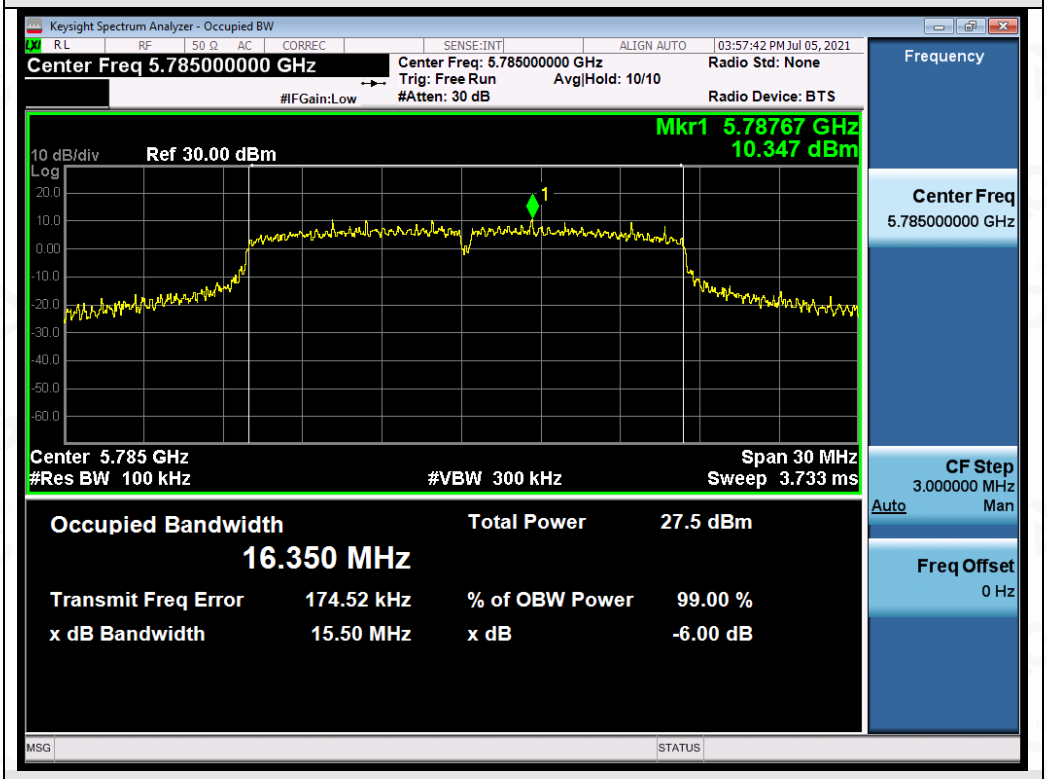
Test_Graph_802.11n20_ANT2_5825_MCS0_OBW

Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

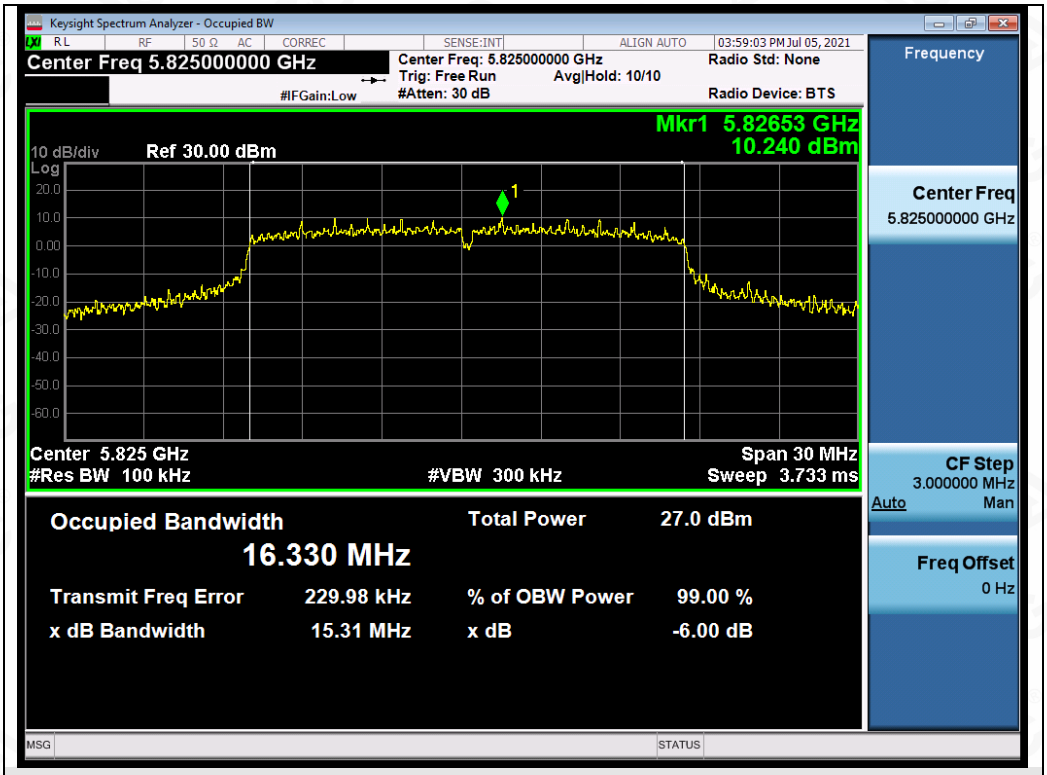
-Bandwidth 20 MHz-ant 2



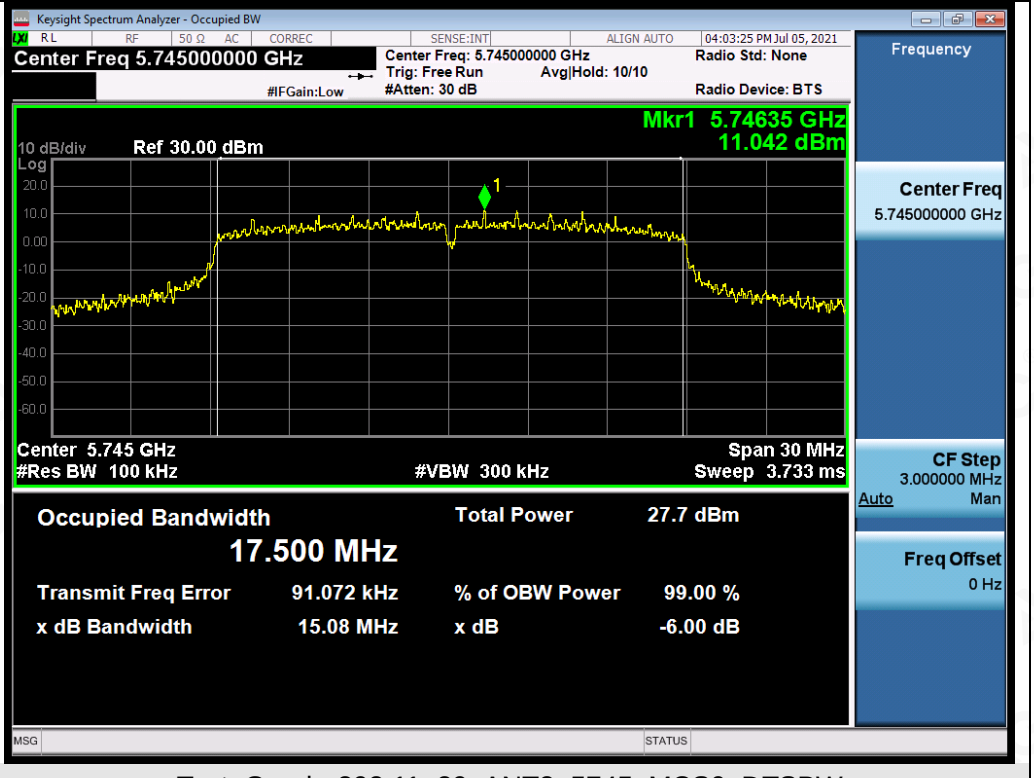
Test_Graph_802.11a_ANT2_5745_6Mbps_DTSBW



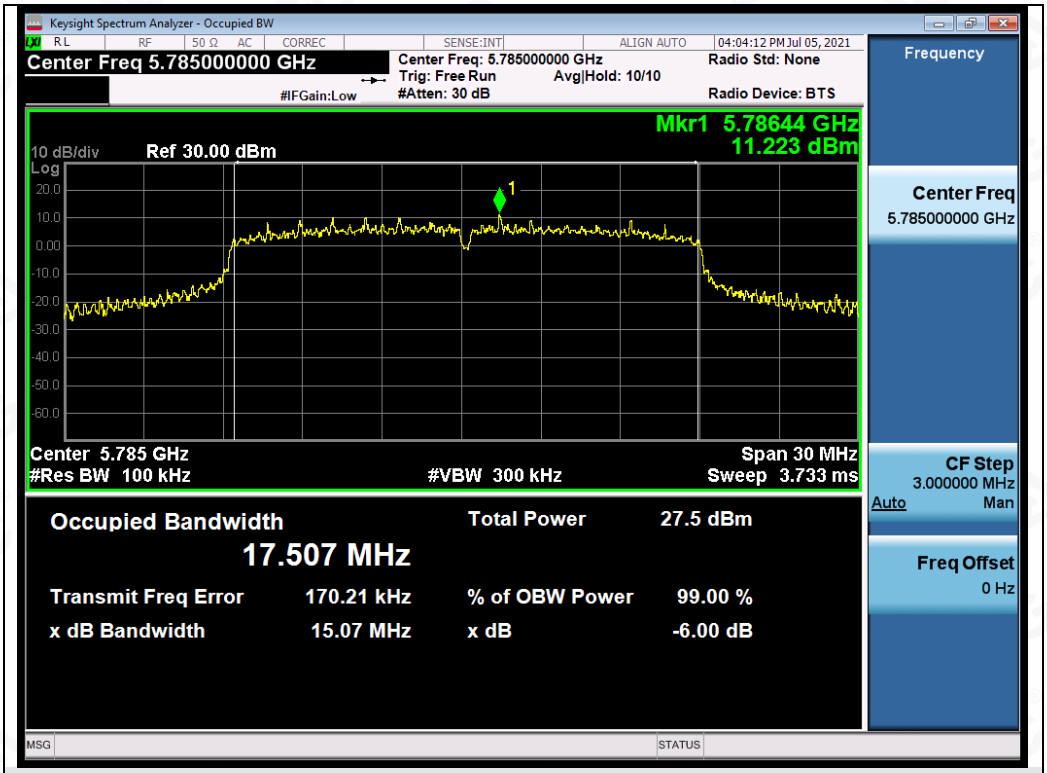
Test_Graph_802.11a_ANT2_5785_6Mbps_DTSBW



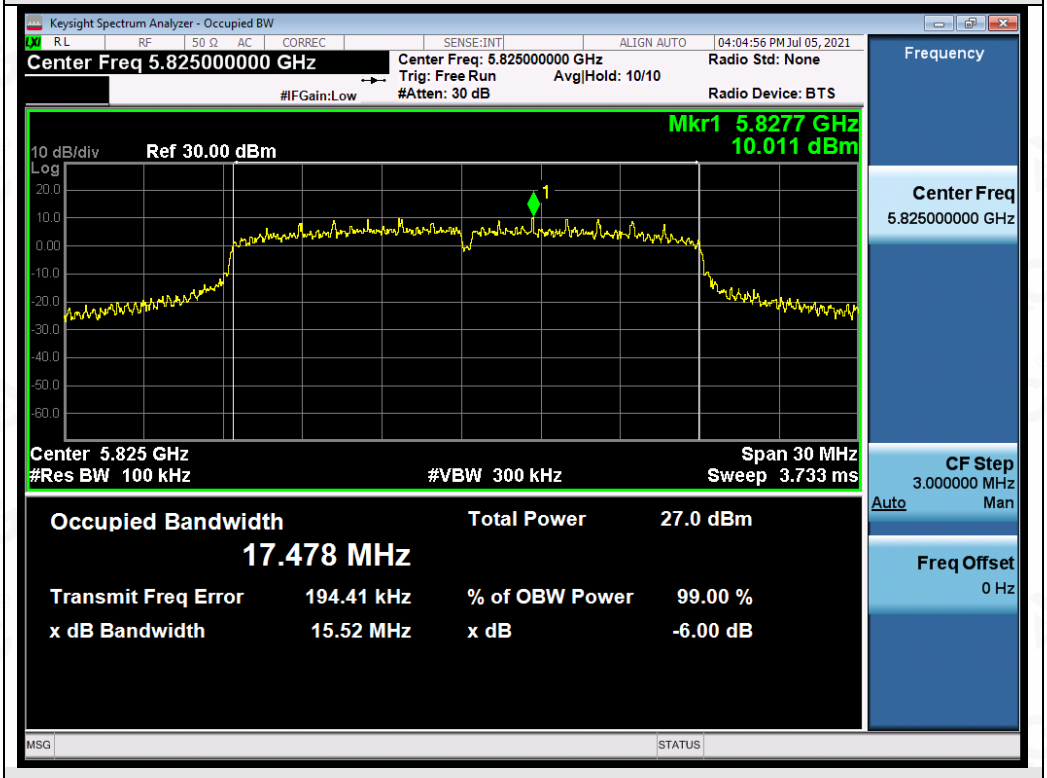
Test_Graph_802.11a_ANT2_5825_6Mbps_DTSBW



Test_Graph_802.11n20_ANT2_5745_MCS0_DTSBW



Test_Graph_802.11n20_ANT2_5785_MCS0_DTSBW



Test_Graph_802.11n20_ANT2_5825_MCS0_DTSBW

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-bandwidth 10 MHz of antenna 1

Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
OFDM with data rate 6	5180	8.521	8.84	Pass
	5200	8.342	8.84	Pass
	5240	8.385	8.84	Pass
OFDM with data rate MCS0	5180	5.628	8.84	Pass
	5200	5.200	8.84	Pass
	5240	5.195	8.84	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 1

Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
OFDM with data rate 6	5745	11.414	18.404	27.09	Pass
	5785	11.728	18.718	27.09	Pass
	5825	10.844	17.834	27.09	Pass
OFDM with data rate MCS0	5745	12.146	19.136	27.09	Pass
	5785	11.391	18.381	27.09	Pass
	5825	10.877	17.867	27.09	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
OFDM with data rate 6	5180	8.478	8.84	Pass
	5200	8.447	8.84	Pass
	5240	8.504	8.84	Pass
OFDM with data rate MCS0	5180	5.393	8.84	Pass
	5200	5.105	8.84	Pass
	5240	5.011	8.84	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
OFDM with data rate 6	5745	11.649	18.639	27.09	Pass
	5785	11.717	18.707	27.09	Pass
	5825	10.685	17.675	27.09	Pass
OFDM with data rate MCS0	5745	11.060	18.050	27.09	Pass
	5785	11.457	18.447	27.09	Pass
	5825	10.597	17.587	27.09	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
OFDM with data rate MCS0	5180	8.52	8.84	Pass
	5200	8.16	8.84	Pass
	5240	8.11	8.84	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 1+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
OFDM with data rate MCS0	5745	14.65	21.64	27.09	Pass
	5785	14.43	21.42	27.09	Pass
	5825	13.75	20.74	27.09	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	8.533	8.84	Pass
	5200	8.211	8.84	Pass
	5240	8.652	8.84	Pass
802.11n20	5180	5.122	8.84	Pass
	5200	5.078	8.84	Pass
	5240	5.355	8.84	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of 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	9.968	16.958	27.09	Pass
	5785	9.498	16.488	27.09	Pass
	5825	9.055	16.045	27.09	Pass
802.11n20	5745	9.588	16.578	27.09	Pass
	5785	9.689	16.679	27.09	Pass
	5825	8.795	15.785	27.09	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	8.225	8.84	Pass
	5200	8.219	8.84	Pass
	5240	8.176	8.84	Pass
802.11n20	5180	5.082	8.84	Pass
	5200	5.116	8.84	Pass
	5240	4.997	8.84	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of 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	9.937	16.927	27.09	Pass
	5785	9.481	16.471	27.09	Pass
	5825	8.505	15.495	27.09	Pass
802.11n20	5745	9.497	16.487	27.09	Pass
	5785	9.710	16.700	27.09	Pass
	5825	8.547	15.537	27.09	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5180	8.11	8.84	Pass
	5200	8.11	8.84	Pass
	5240	8.19	8.84	Pass

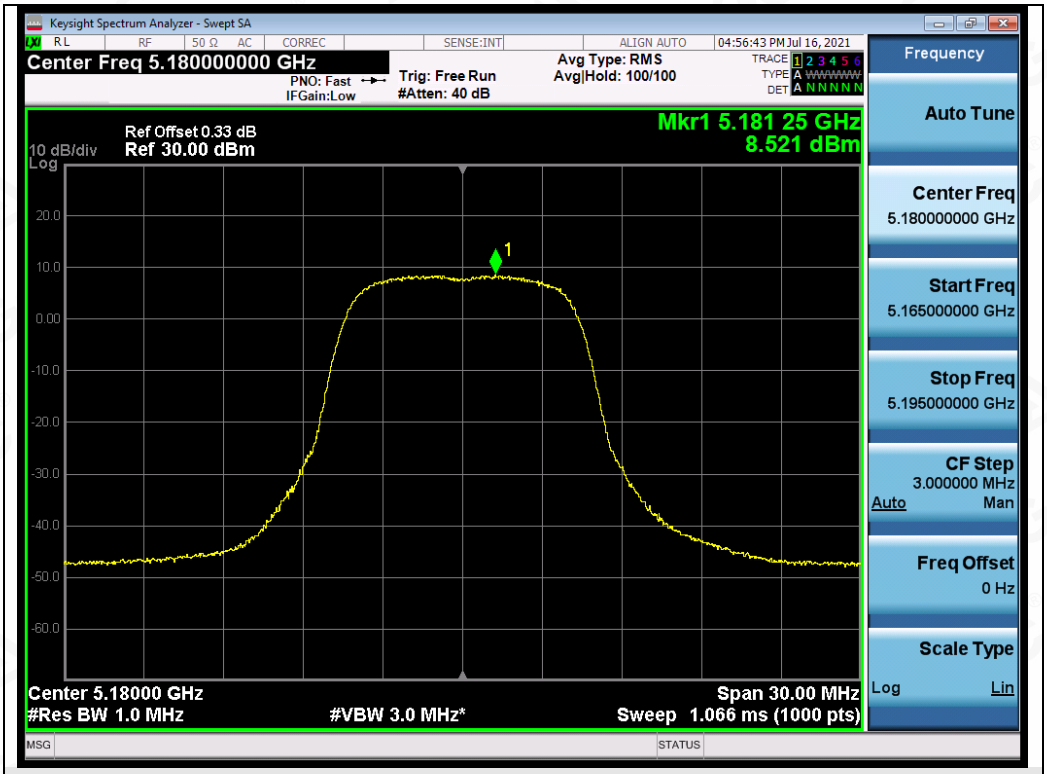
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 1+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11n20	5745	12.55	19.54	27.09	Pass
	5785	12.71	19.70	27.09	Pass
	5825	11.68	18.67	27.09	Pass

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

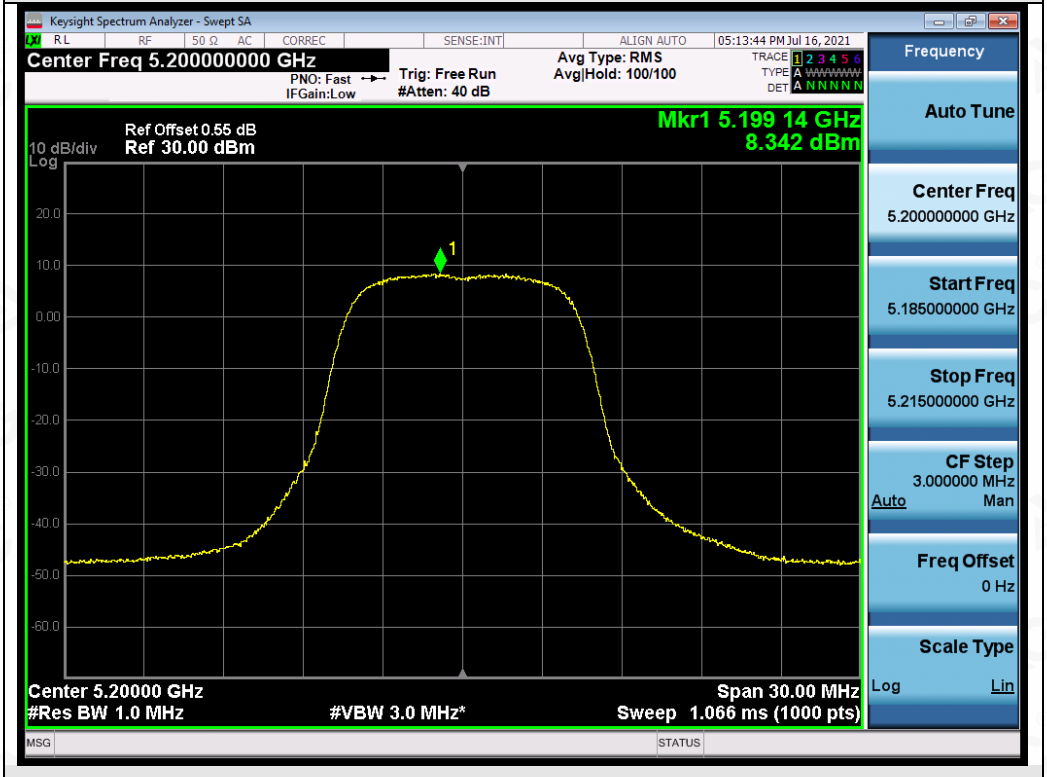
2.The Total PSD (dBm/500kHz) = $10*\log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$(dBm/500kHz)

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

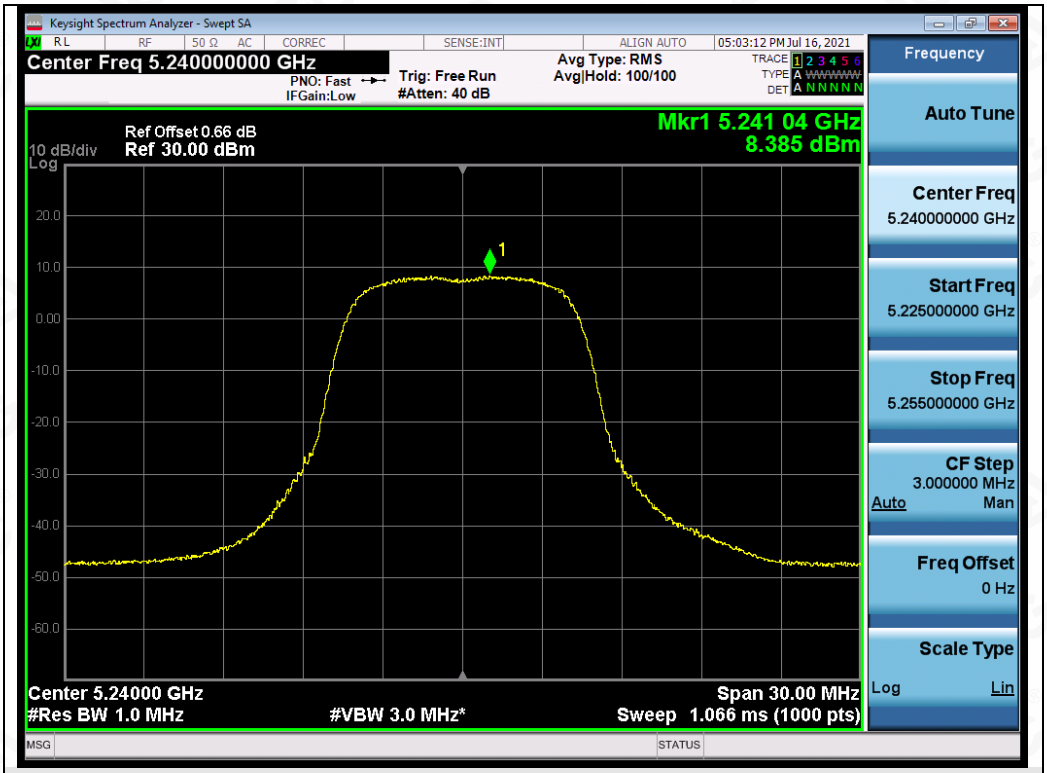
-Bandwidth 10 MHz of antenna 1



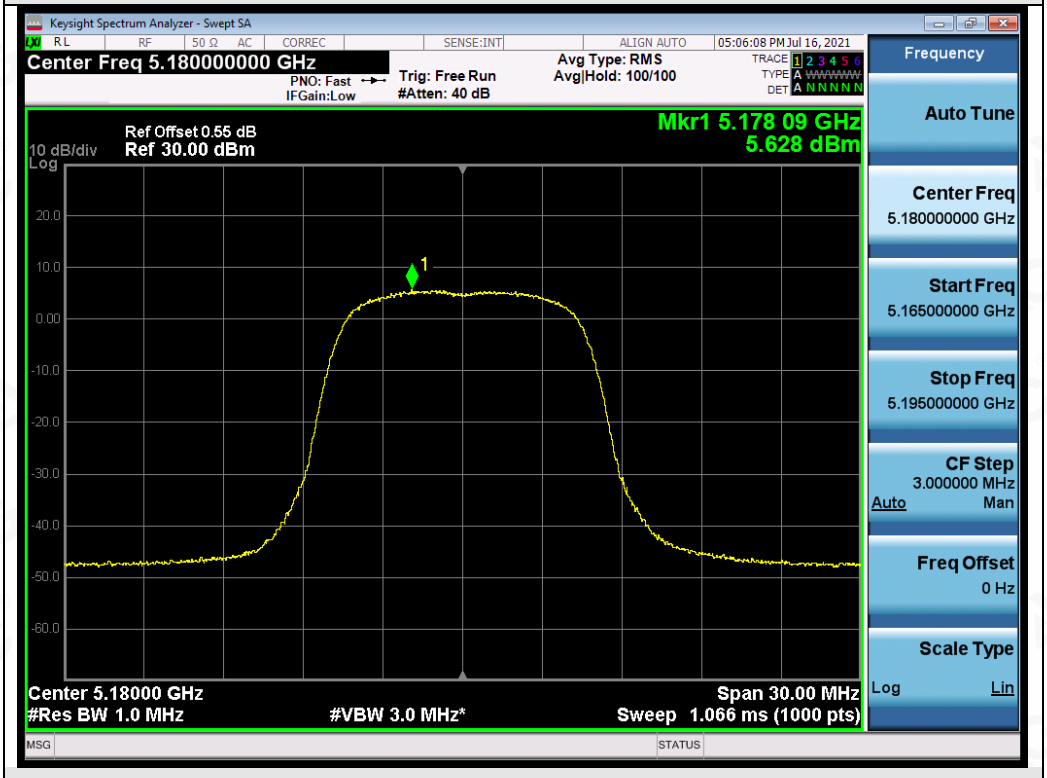
Test_Graph_OFDM_ANT1_5180_6Mbps_PSD



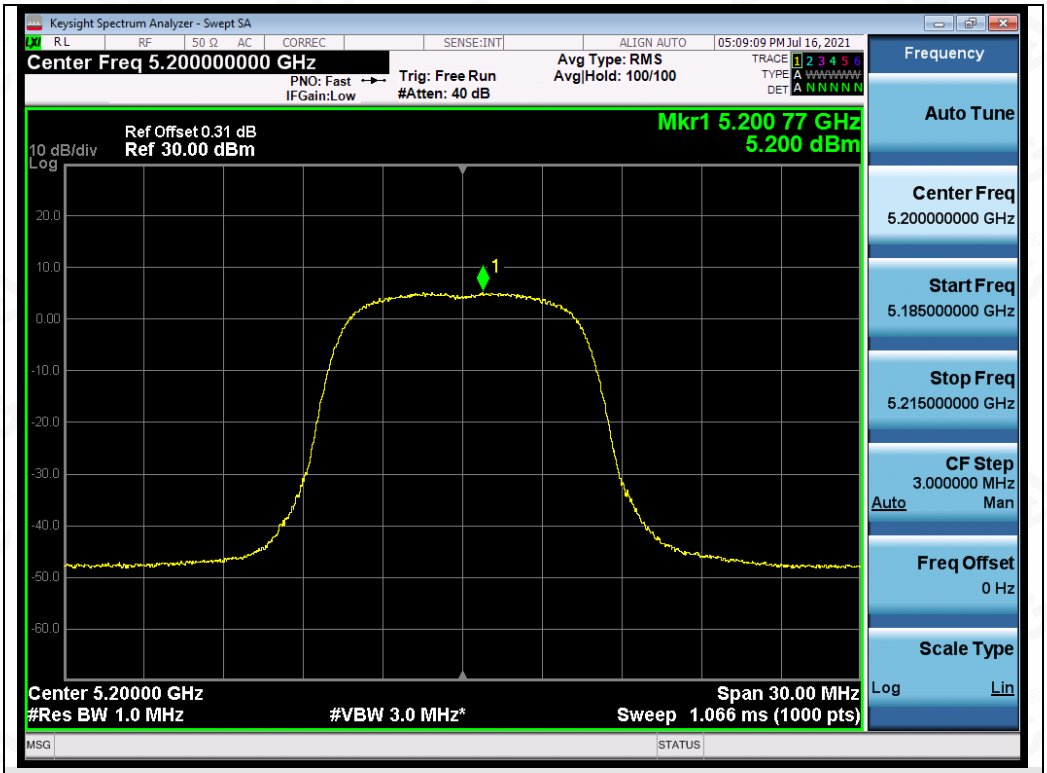
Test_Graph_OFDM_ANT1_5200_6Mbps_PSD



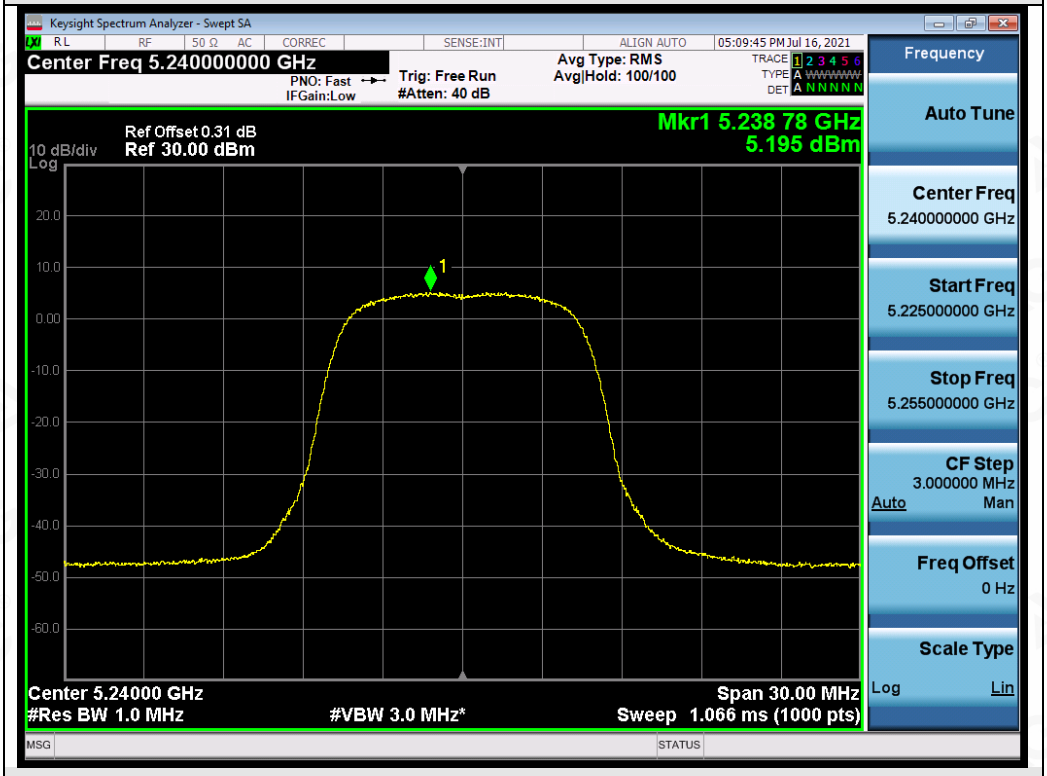
Test_Graph_OFDM_ANT1_5240_6Mbps_PSD



Test_Graph_OFDM_ANT1_5180_MCS0_PSD



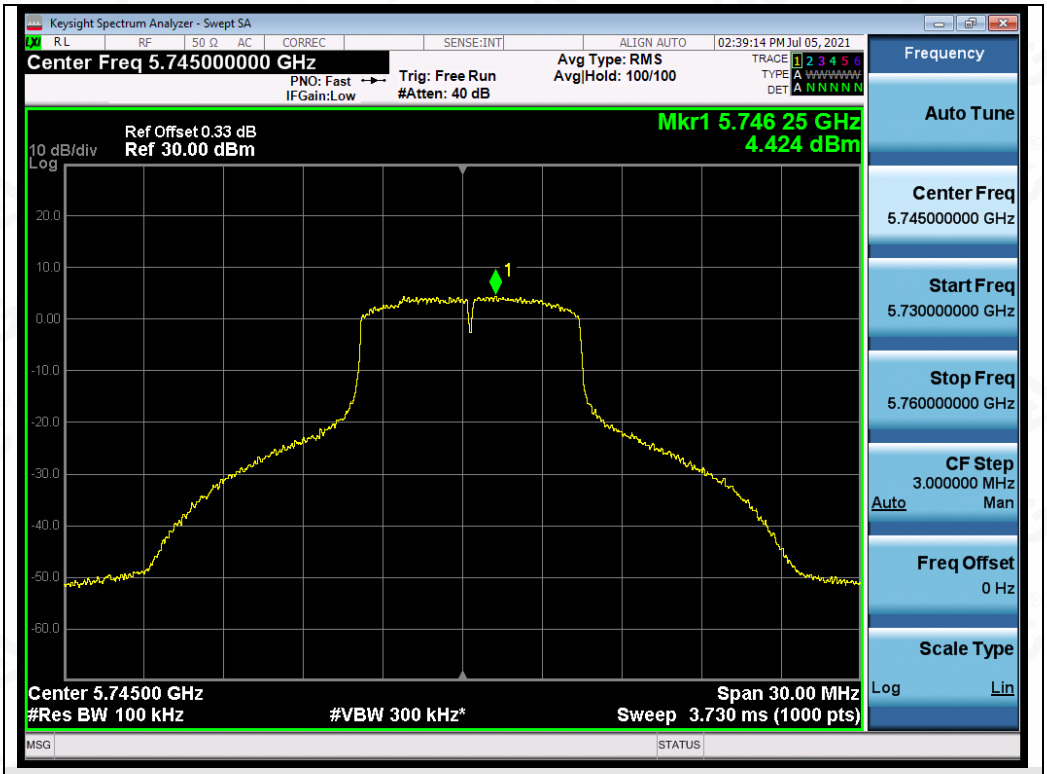
Test_Graph_OFDM_ANT1_5200_MCS0_PSD



Test_Graph_OFDM_ANT1_5240_MCS0_PSD

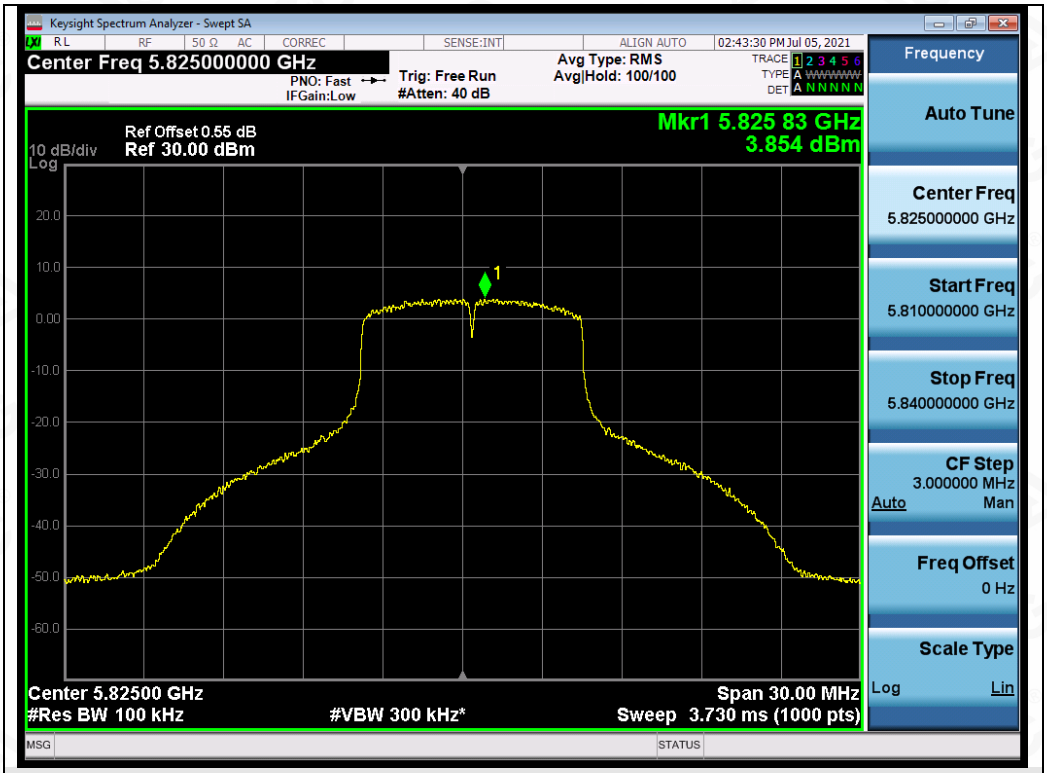
Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz

-Bandwidth 10 MHz of antenna 1

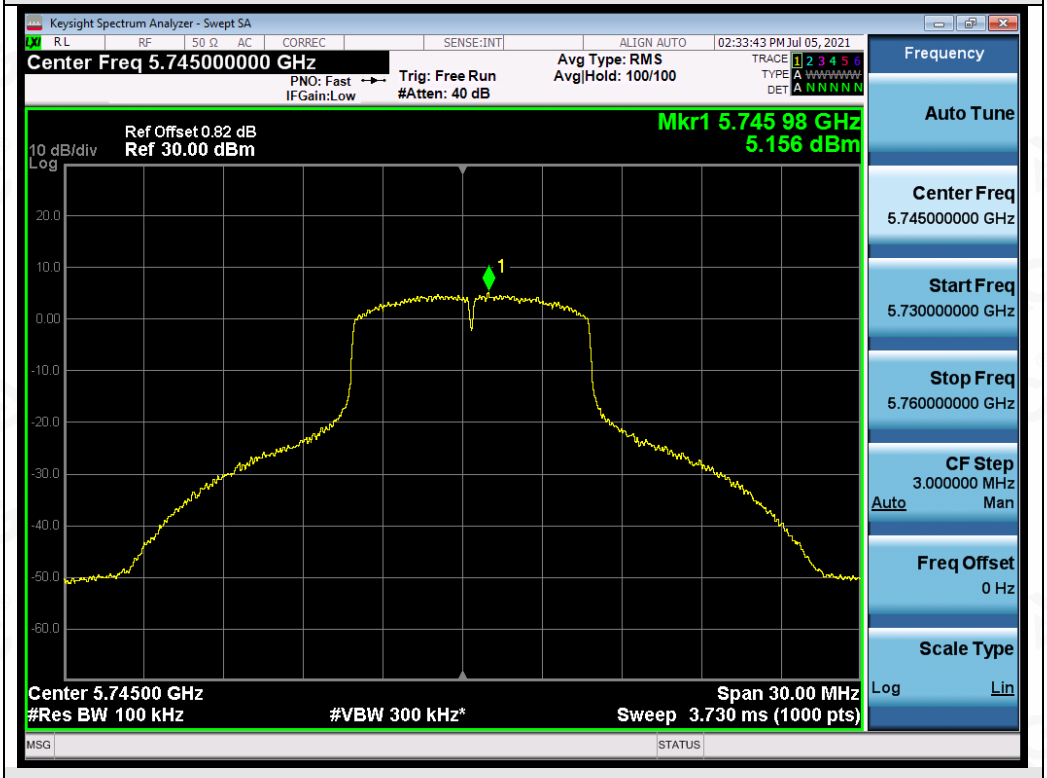


Test_Graph_OFDM_ANT1_5745_6Mbps_PSD

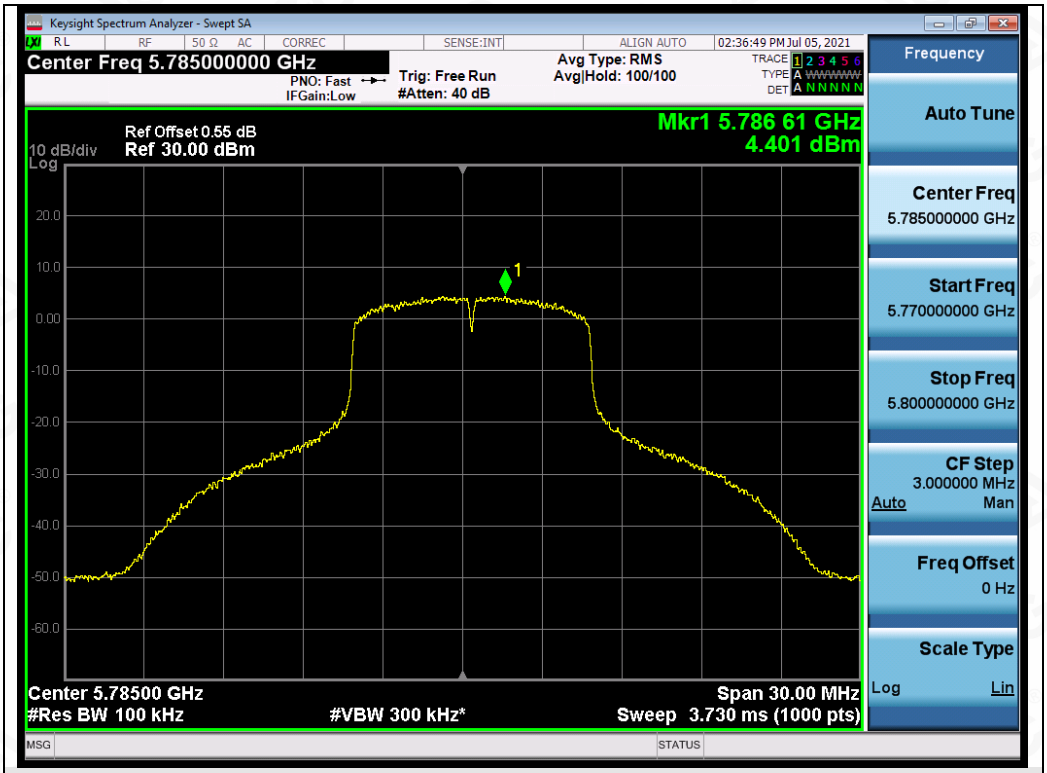
Test_Graph_OFDM_ANT1_5785_6Mbps_PSD



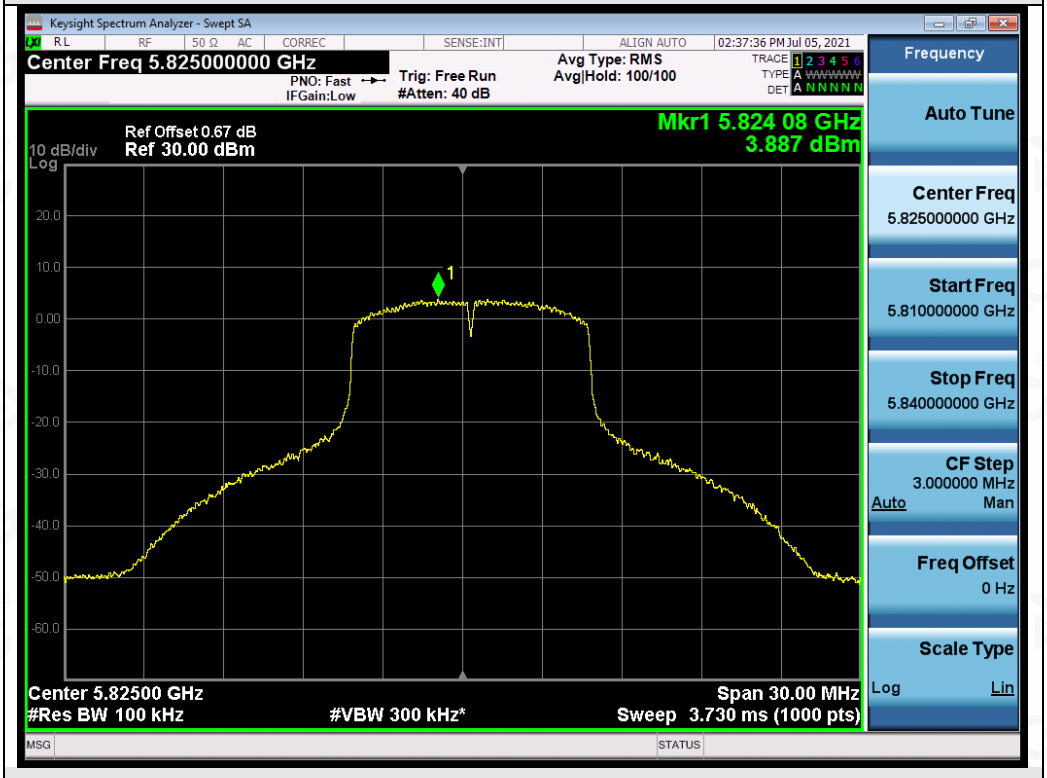
Test_Graph_OFDM_ANT1_5825_6Mbps_PSD



Test_Graph_OFDM_ANT1_5745_MCS0_PSD



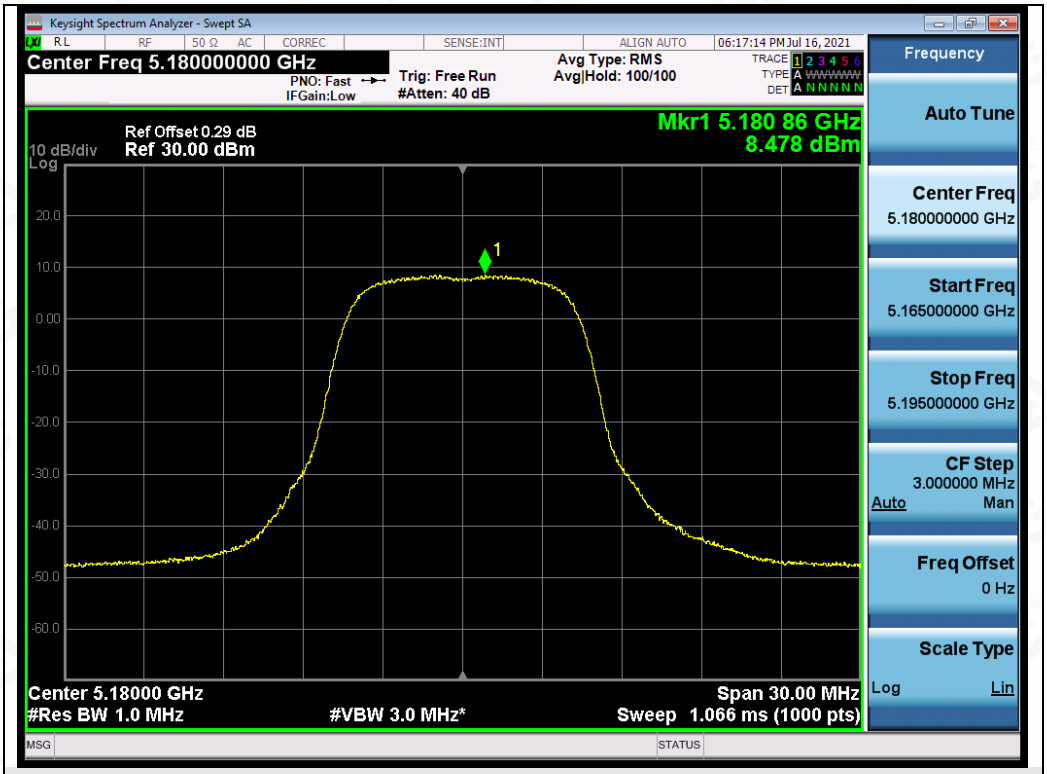
Test_Graph_OFDM_ANT1_5785_MCS0_PSD



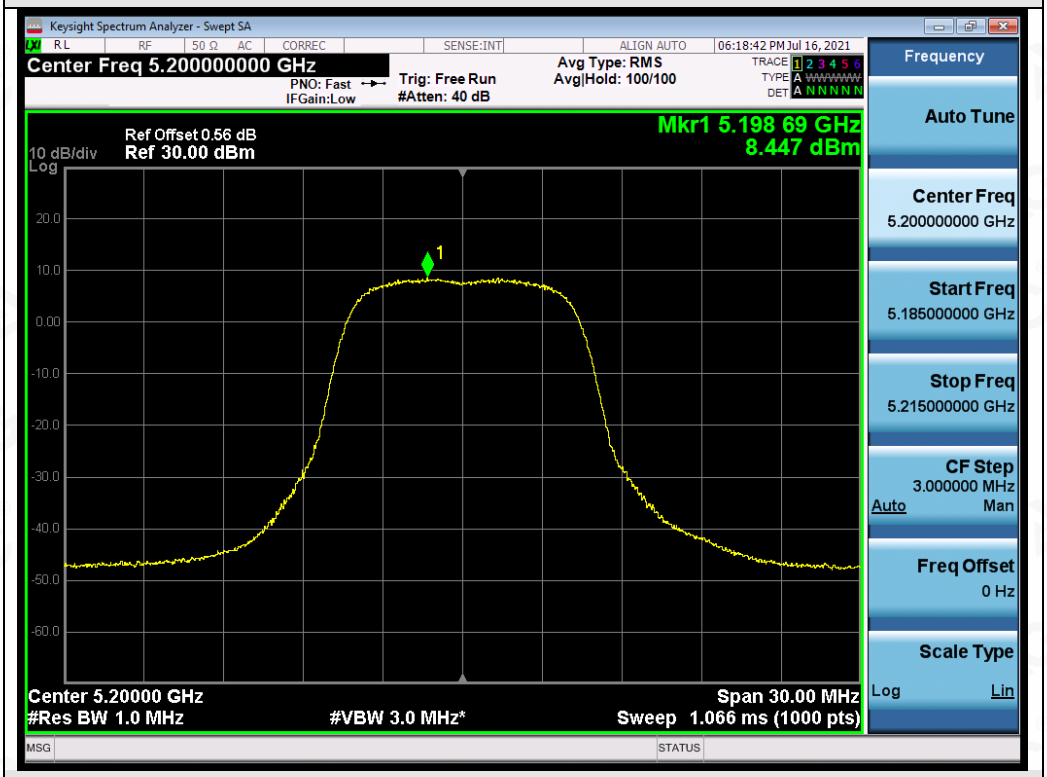
Test_Graph_OFDM_ANT1_5825_MCS0_PSD

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

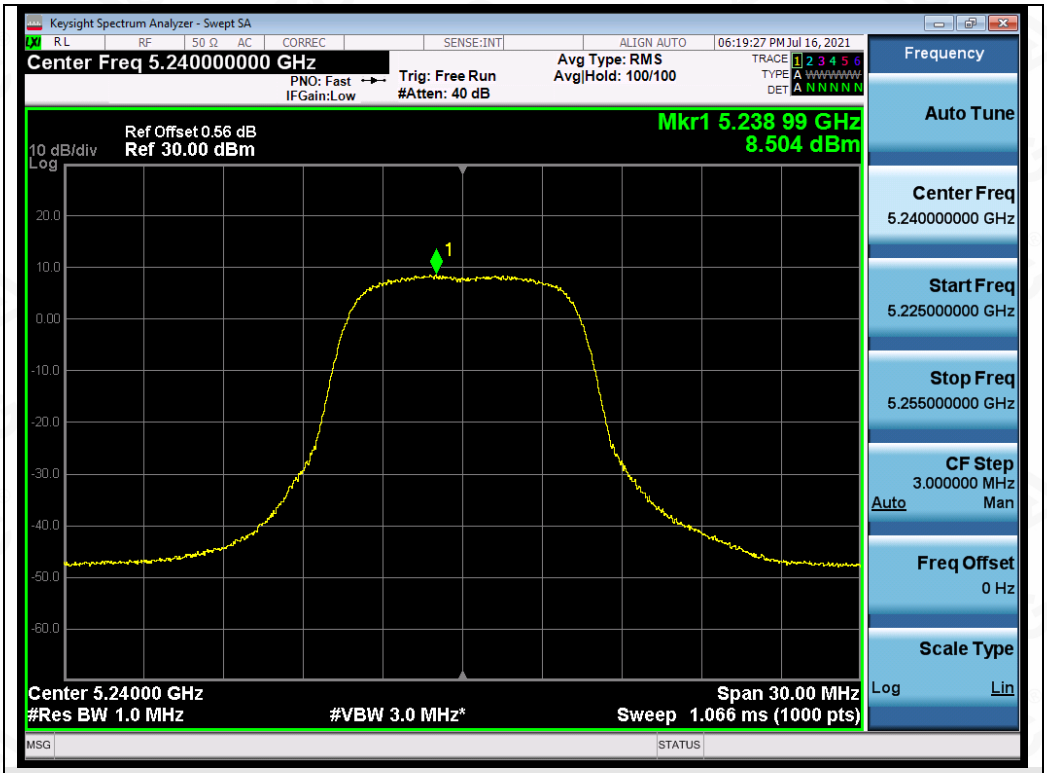
-Bandwidth 10 MHz of antenna 2



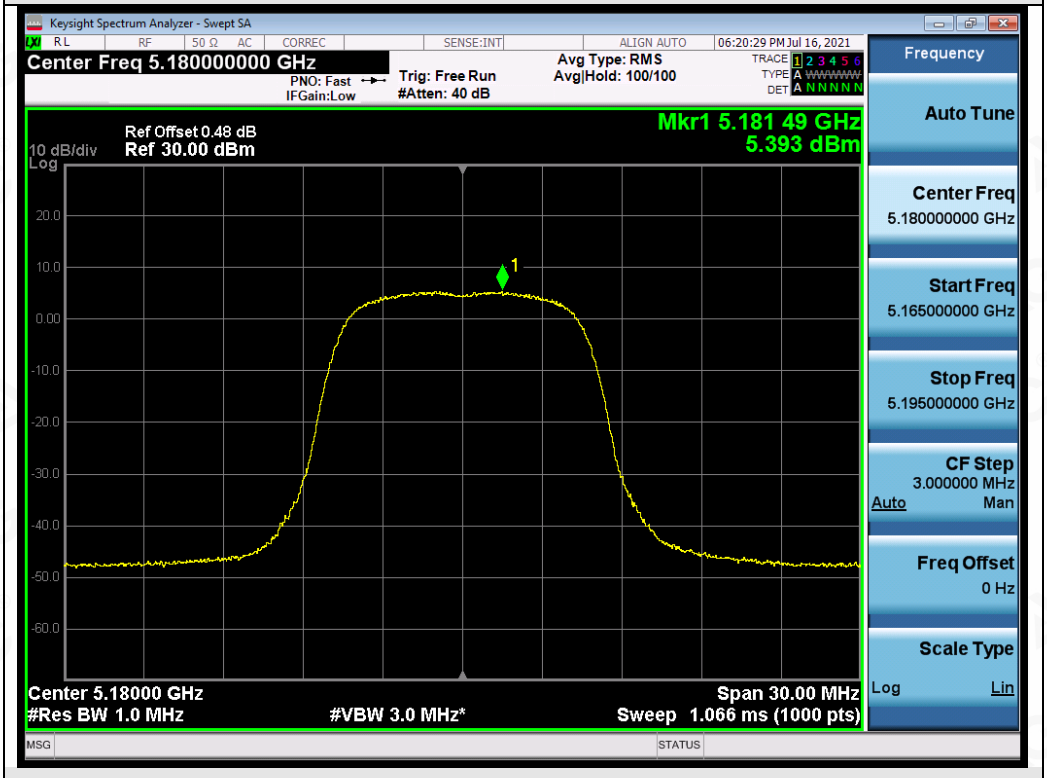
Test_Graph_OFDM_ANT2_5180_6Mbps_PSD



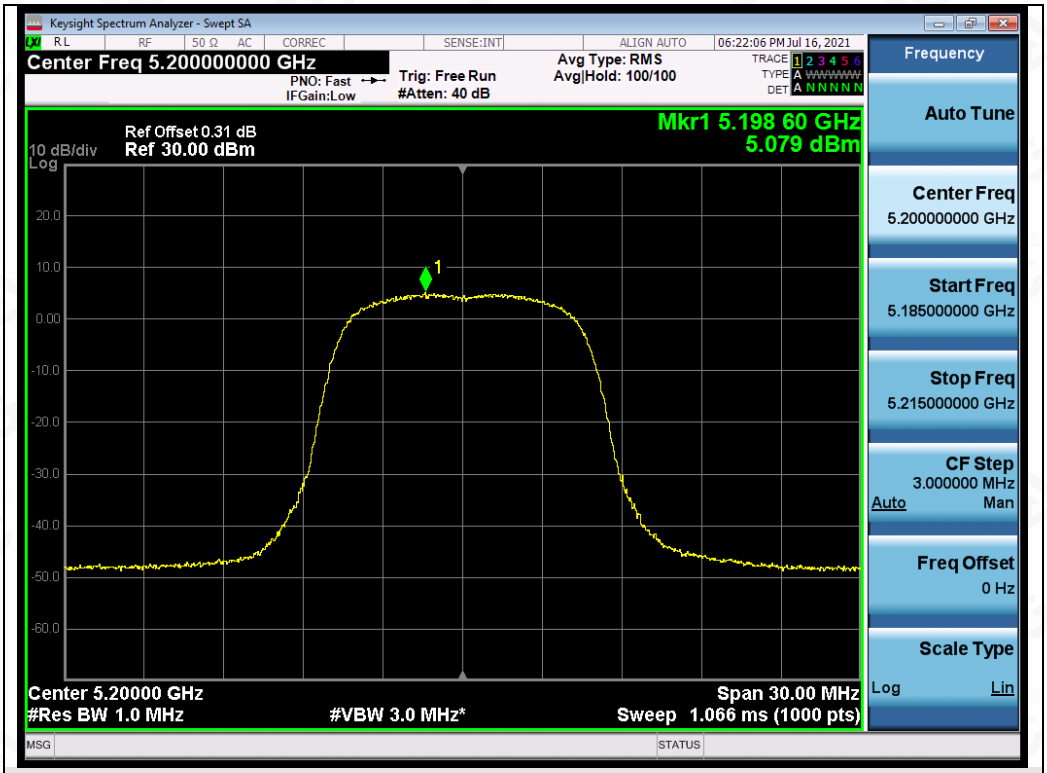
Test_Graph_OFDM_ANT2_5200_6Mbps_PSD



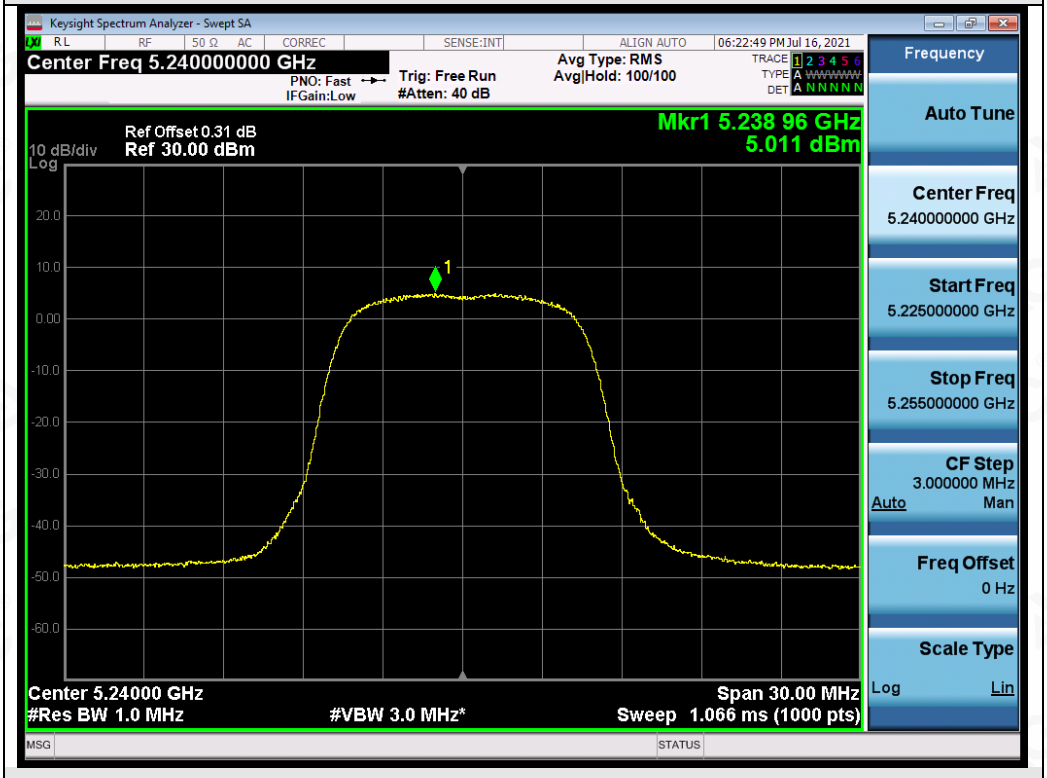
Test_Graph_OFDM_ANT2_5240_6Mbps_PSD



Test_Graph_OFDM_ANT2_5180_MCS0_PSD



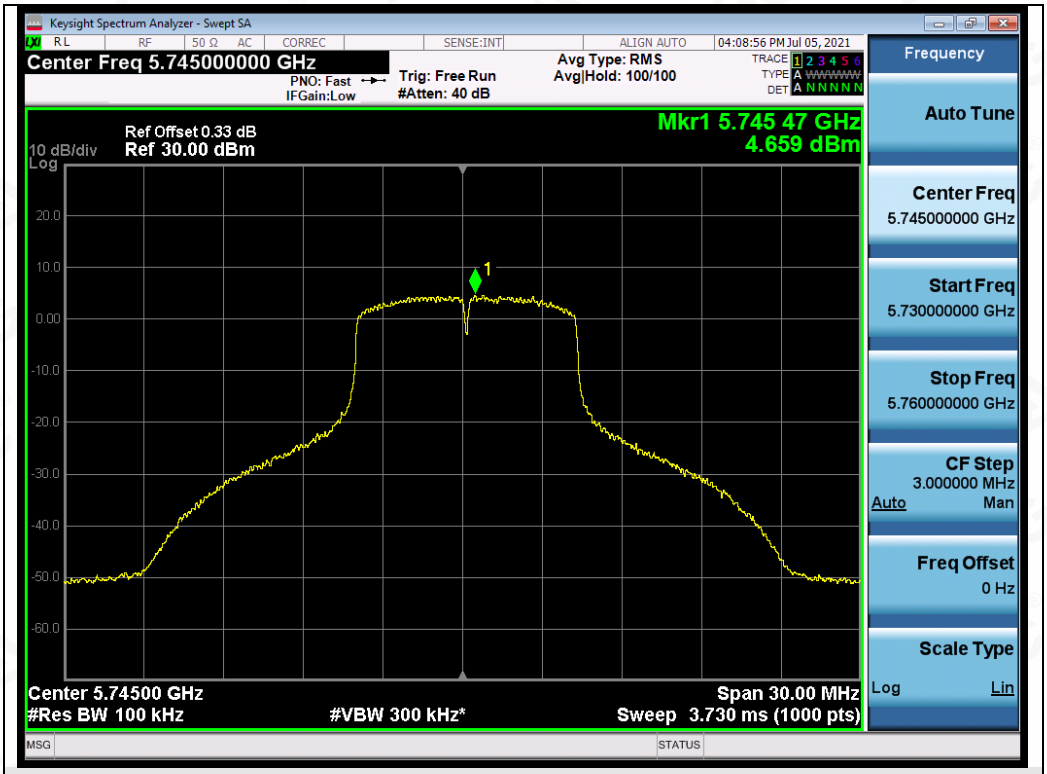
Test_Graph_OFDM_ANT2_5200_MCS0_PSD



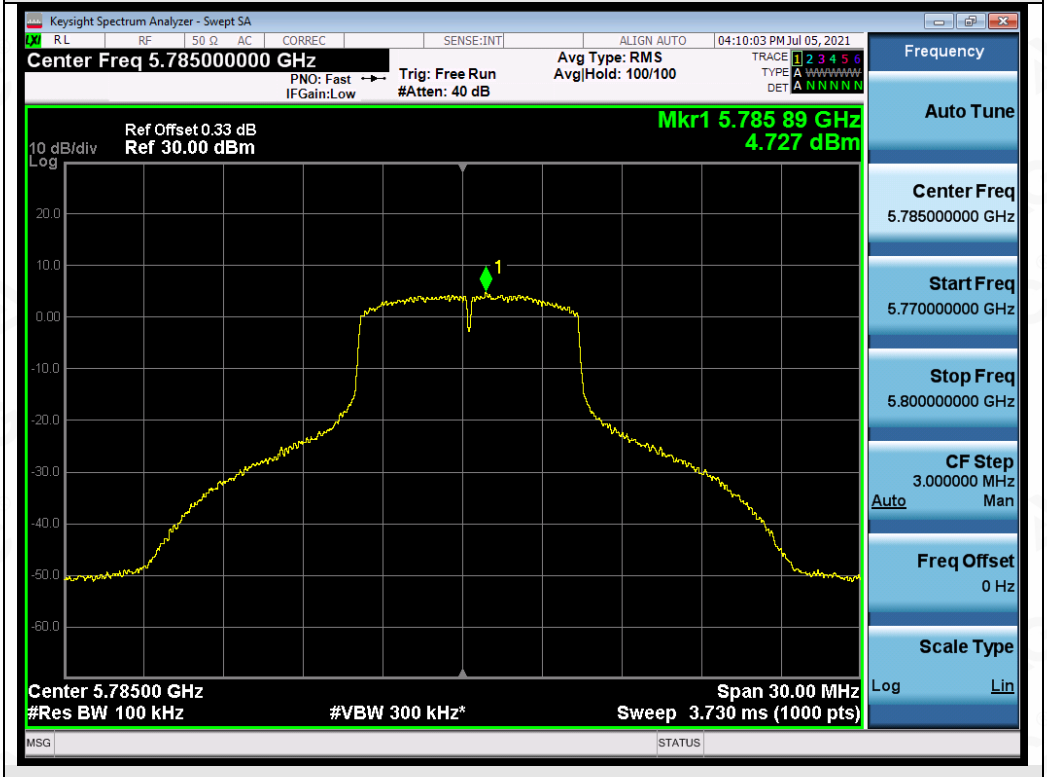
Test_Graph_OFDM_ANT2_5240_MCS0_PSD

Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz

-Bandwidth 10 MHz of antenna 2

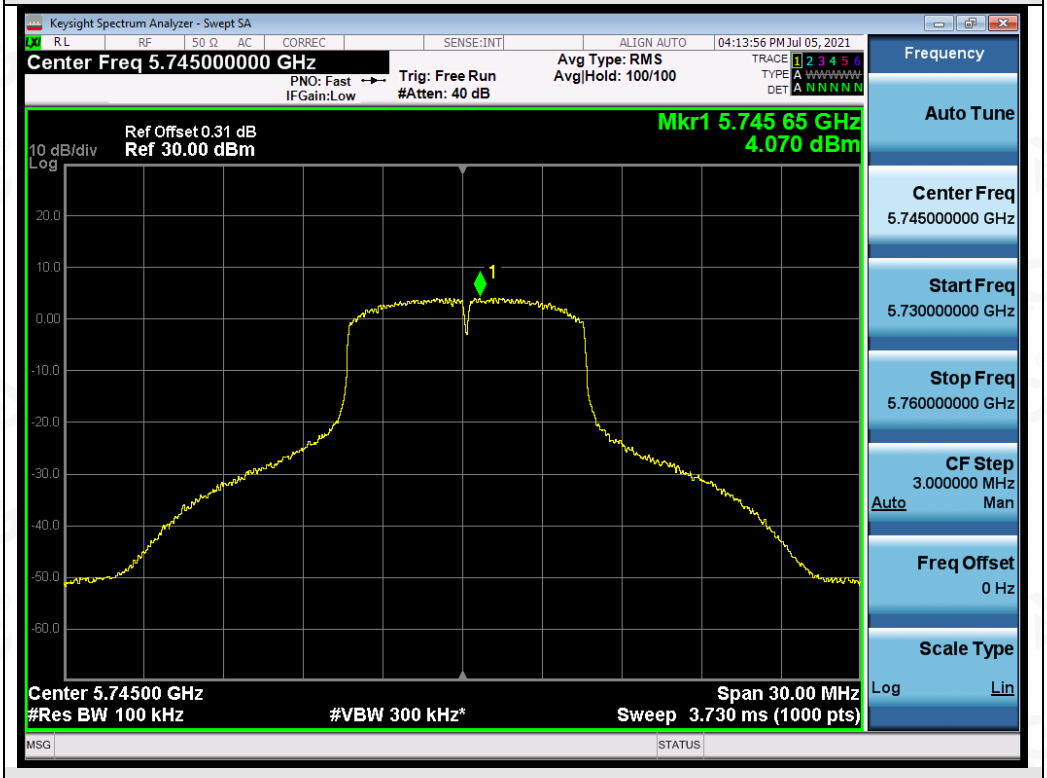


Test_Graph_OFDM_ANT2_5745_6Mbps_PSD

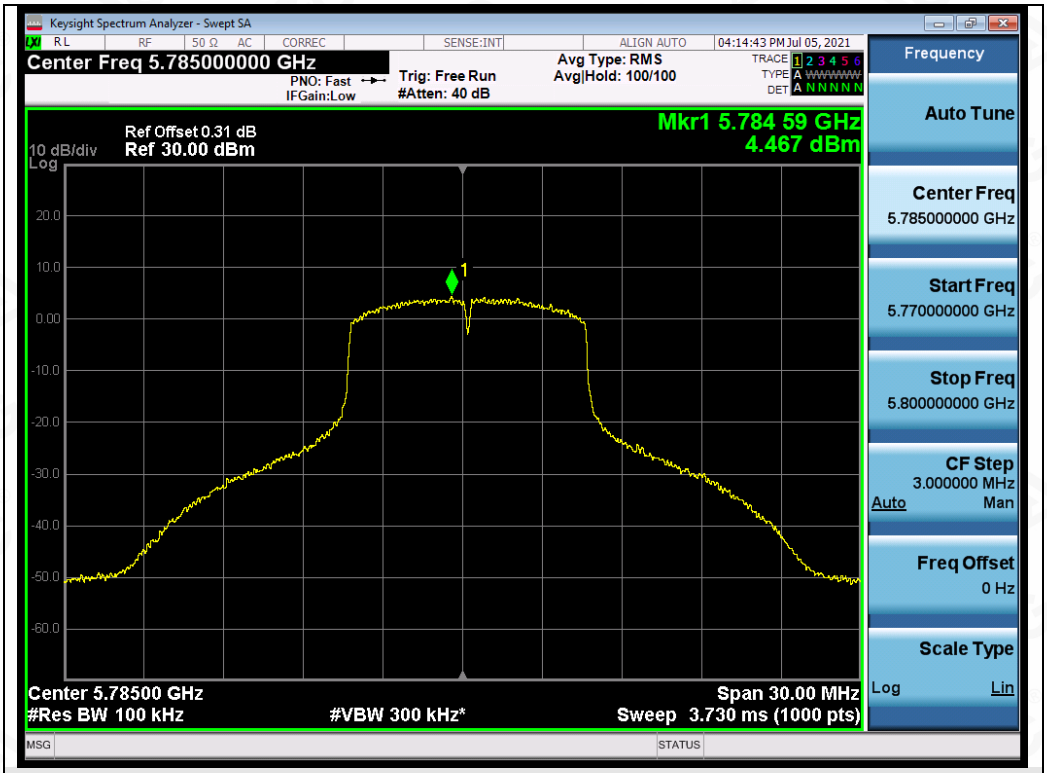


Test_Graph_OFDM_ANT2_5785_6Mbps_PSD

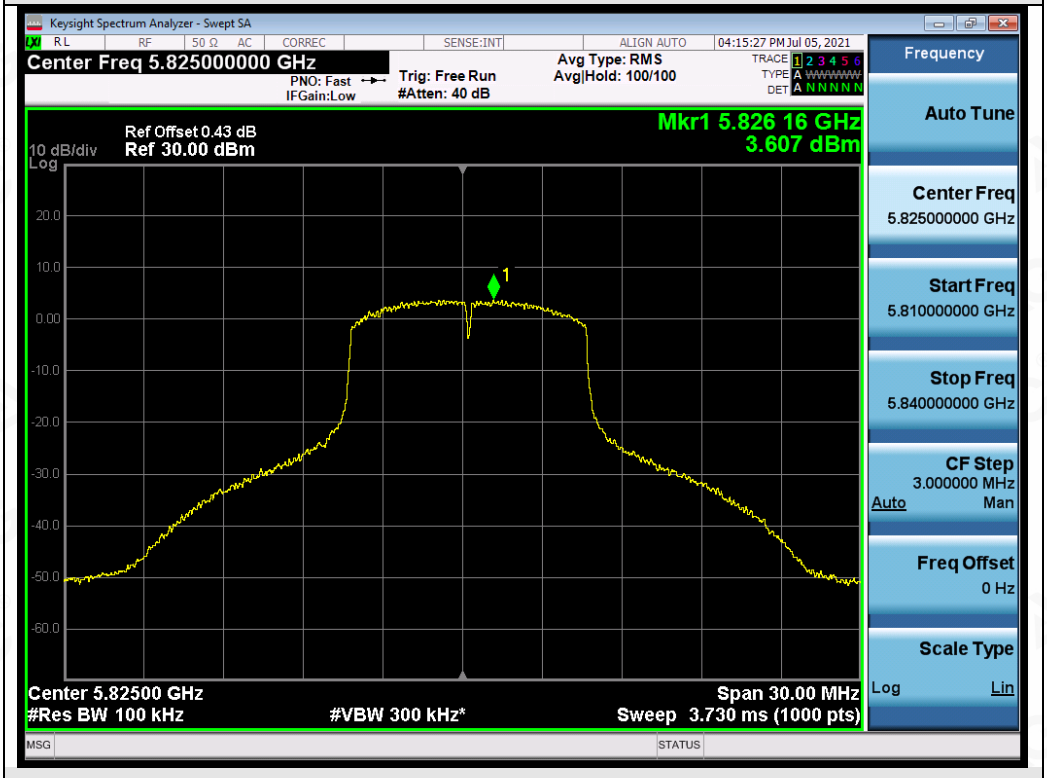
Test_Graph_OFDM_ANT2_5825_6Mbps_PSD



Test_Graph_OFDM_ANT2_5745_MCS0_PSD



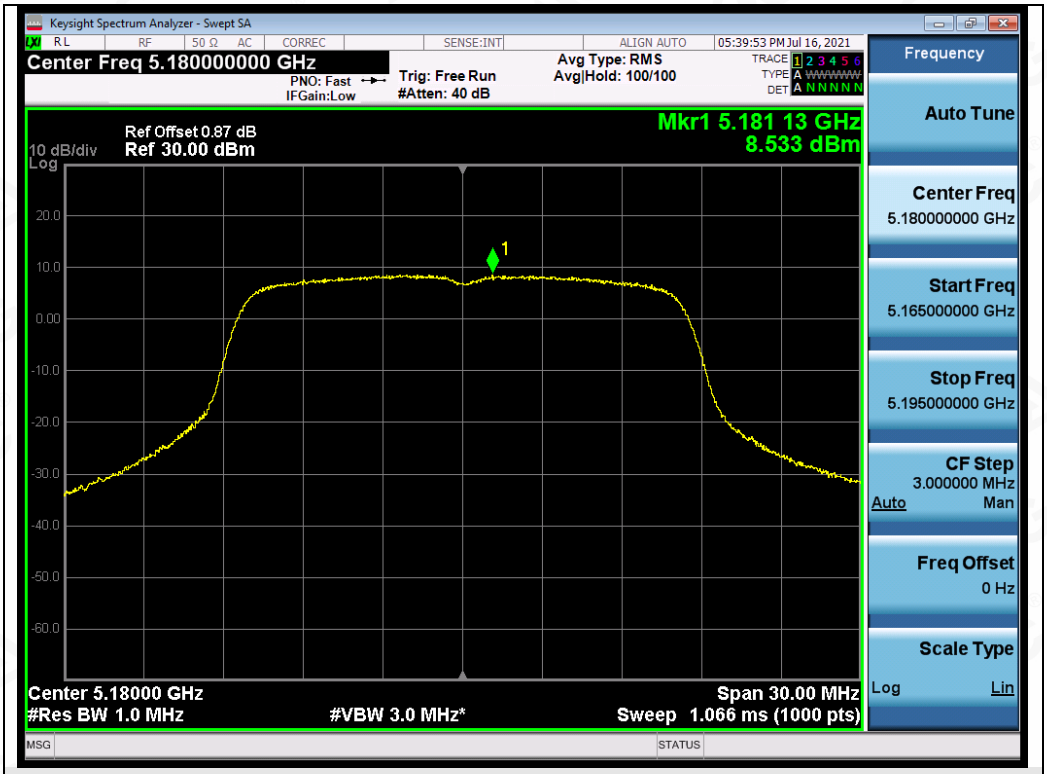
Test_Graph_OFDM_ANT2_5785_MCS0_PSD



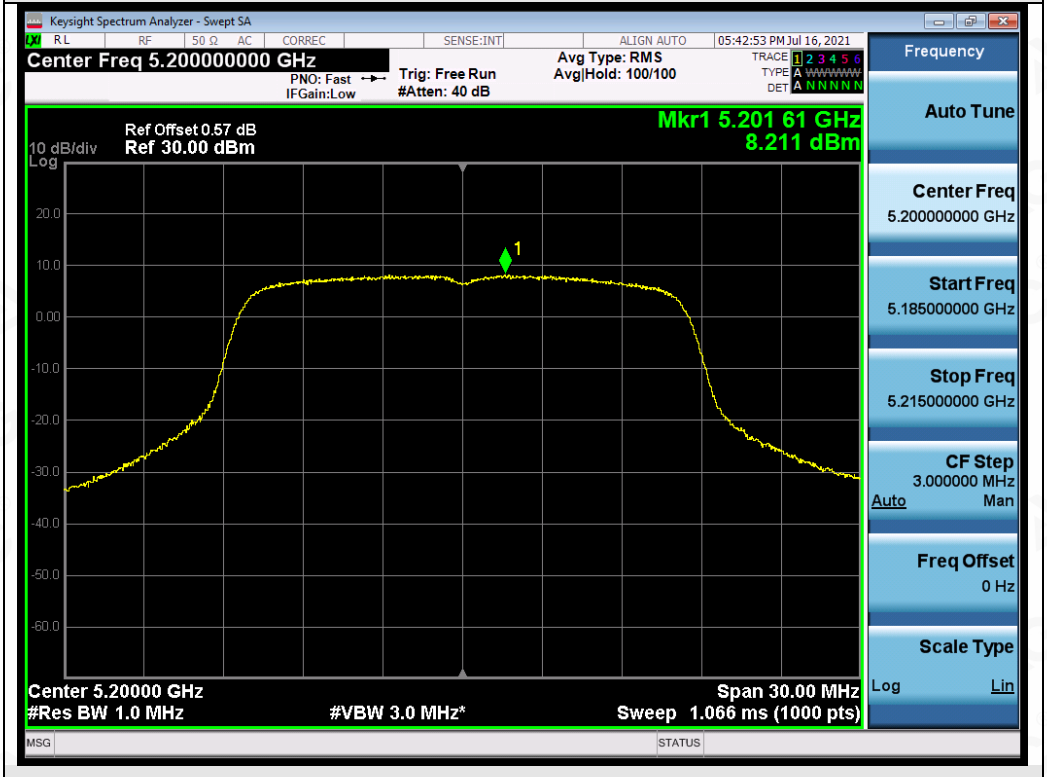
Test_Graph_OFDM_ANT2_5825_MCS0_PSD

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

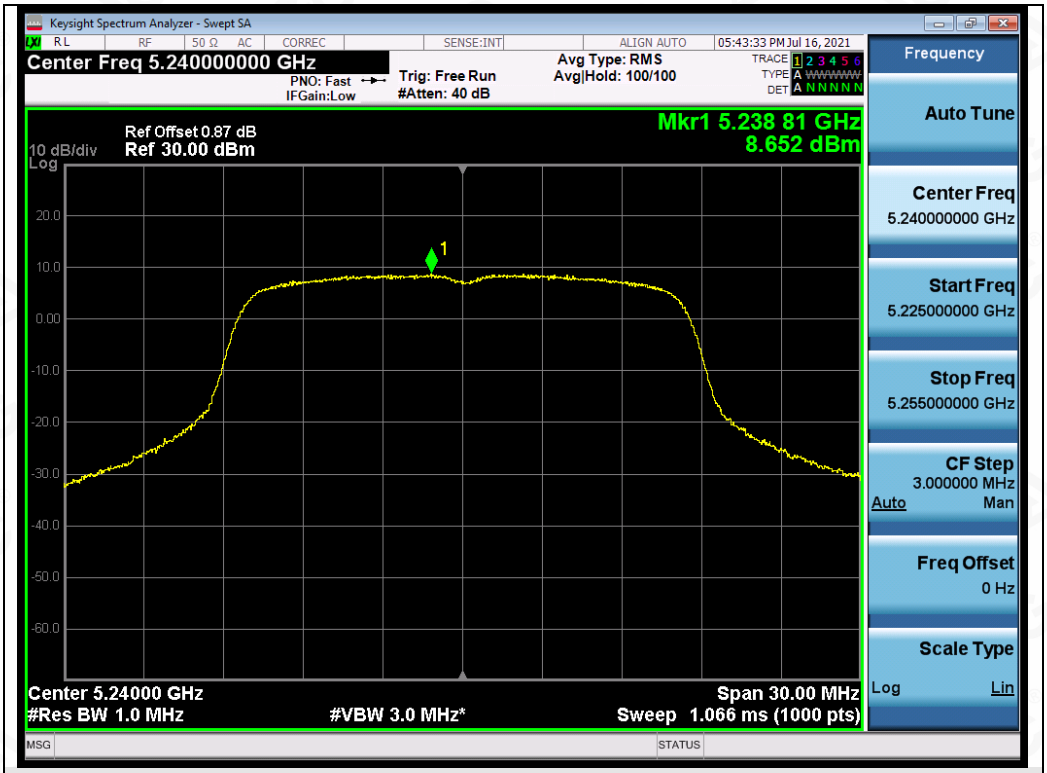
-Bandwidth 20 MHz of antenna 1



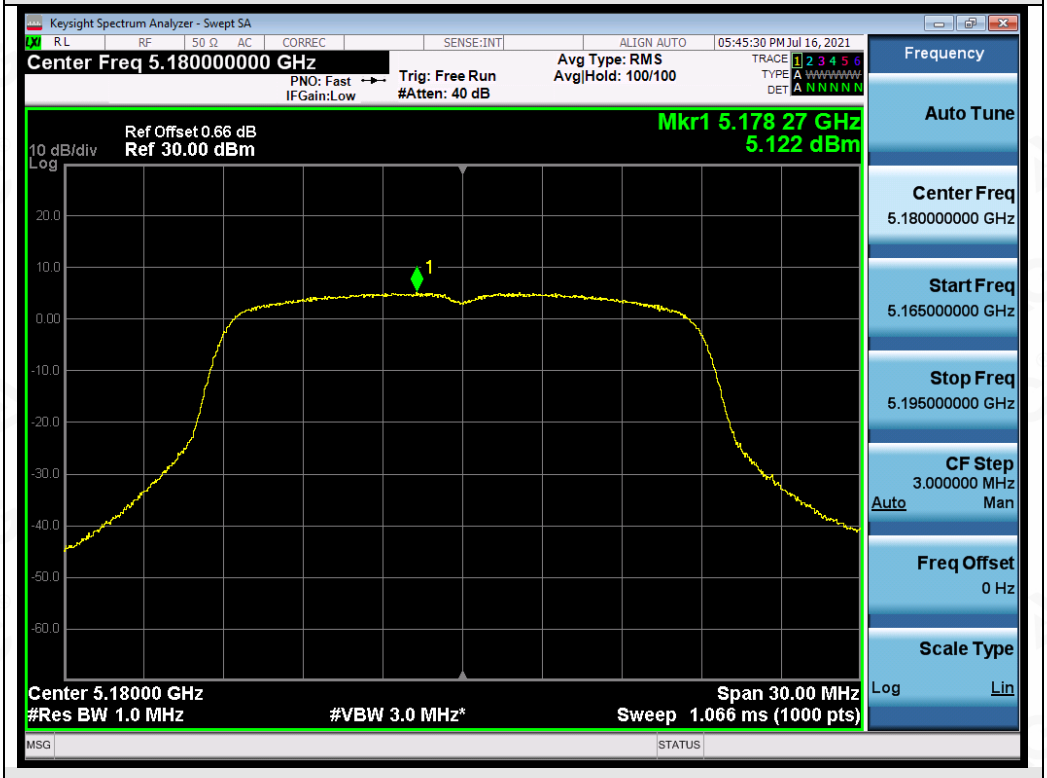
Test_Graph_802.11a_ANT1_5180_6Mbps_PSD



Test_Graph_802.11a_ANT1_5200_6Mbps_PSD



Test_Graph_802.11a_ANT1_5240_6Mbps_PSD



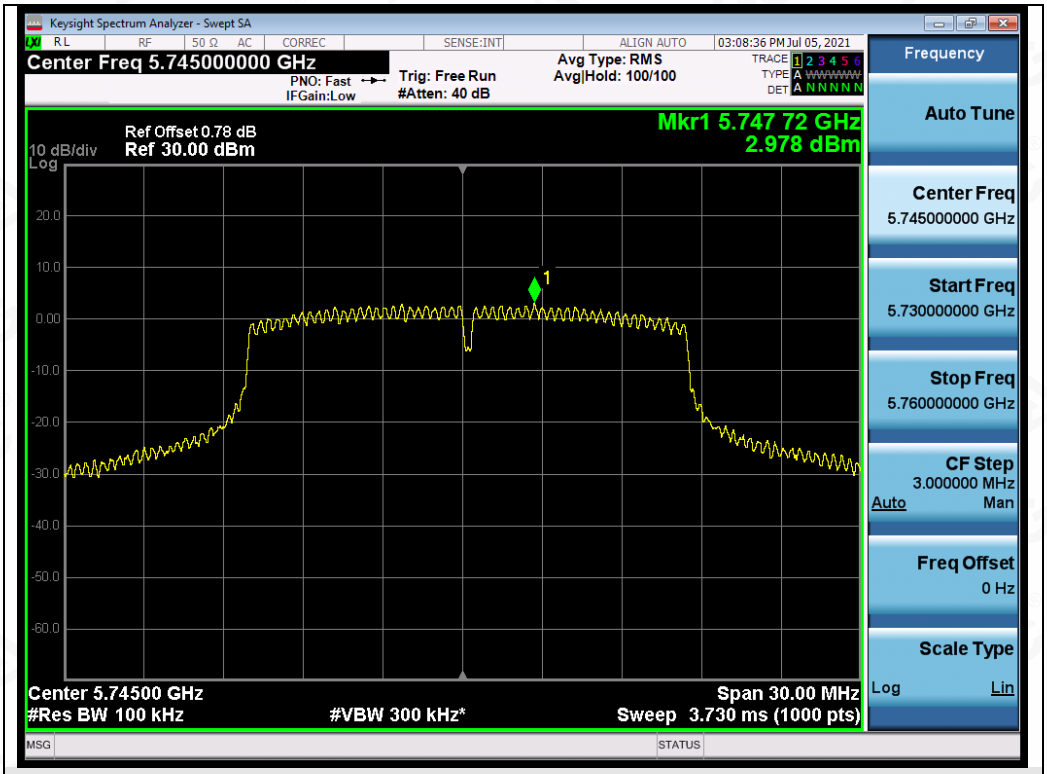
Test_Graph_802.11n20_ANT1_5180_MCS0_PSD

Test_Graph_802.11n20_ANT1_5200_MCS0_PSD

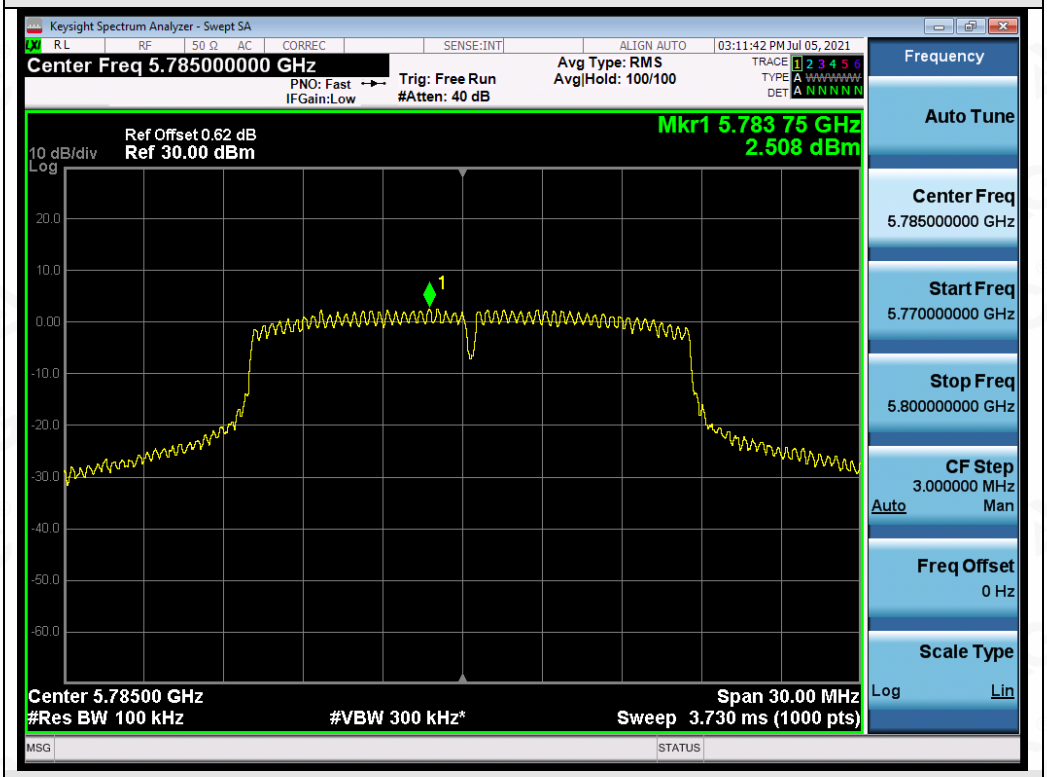
Test_Graph_802.11n20_ANT1_5240_MCS0_PSD

Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz

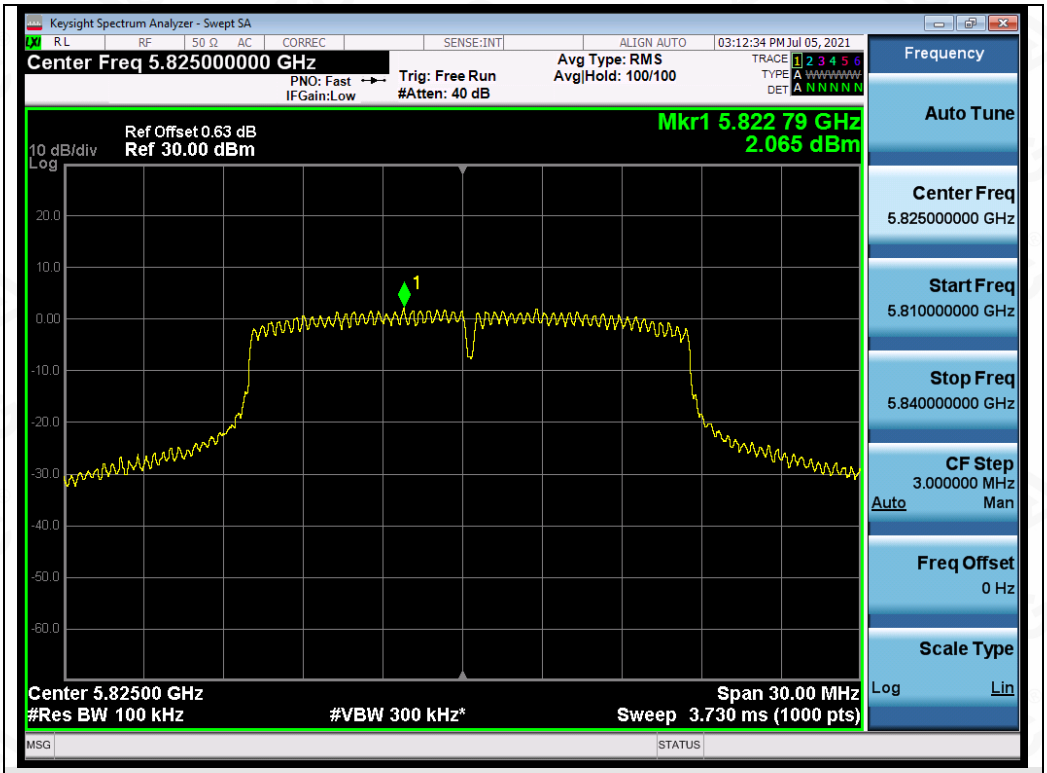
-Bandwidth 20 MHz of antenna 1



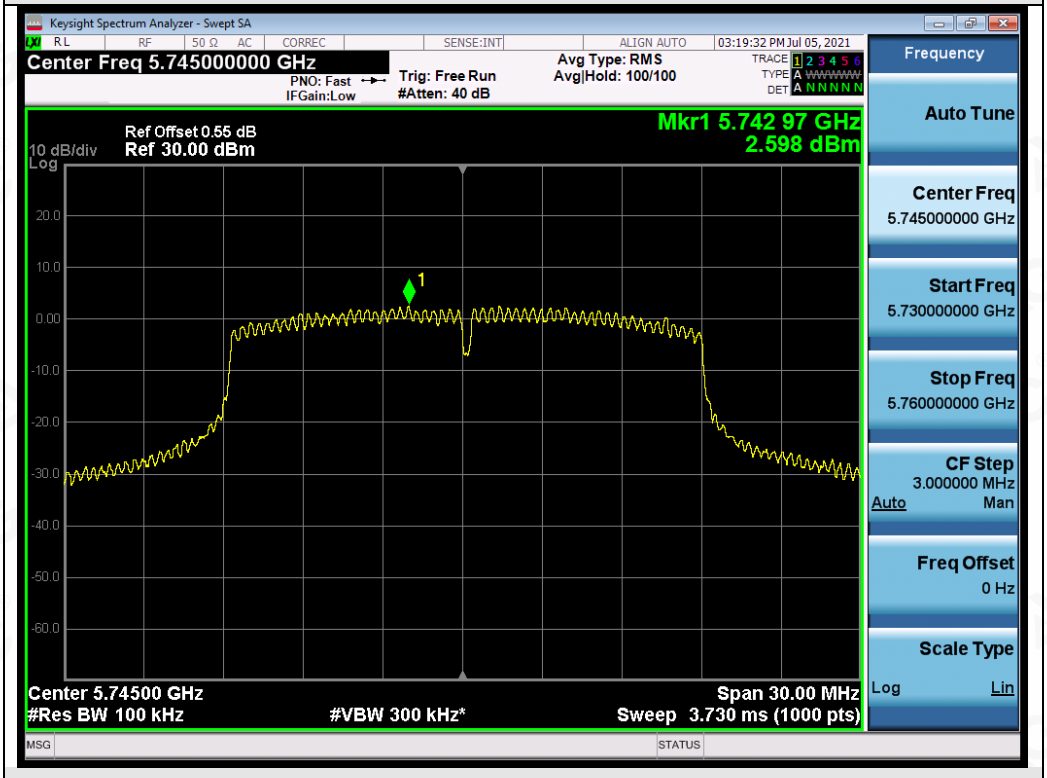
Test_Graph_802.11a_ANT1_5745_6Mbps_PSD



Test_Graph_802.11a_ANT1_5785_6Mbps_PSD



Test_Graph_802.11a_ANT1_5825_6Mbps_PSD



Test_Graph_802.11n20_ANT1_5745_MCS0_PSD