

Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz -Bandwidth 10 MHz-ant 2



Test_Graph_OFDM_ANT2_5745_6Mbps_DTSBW



Test_Graph_OFDM_ANT2_5785_6Mbps_DTSBW

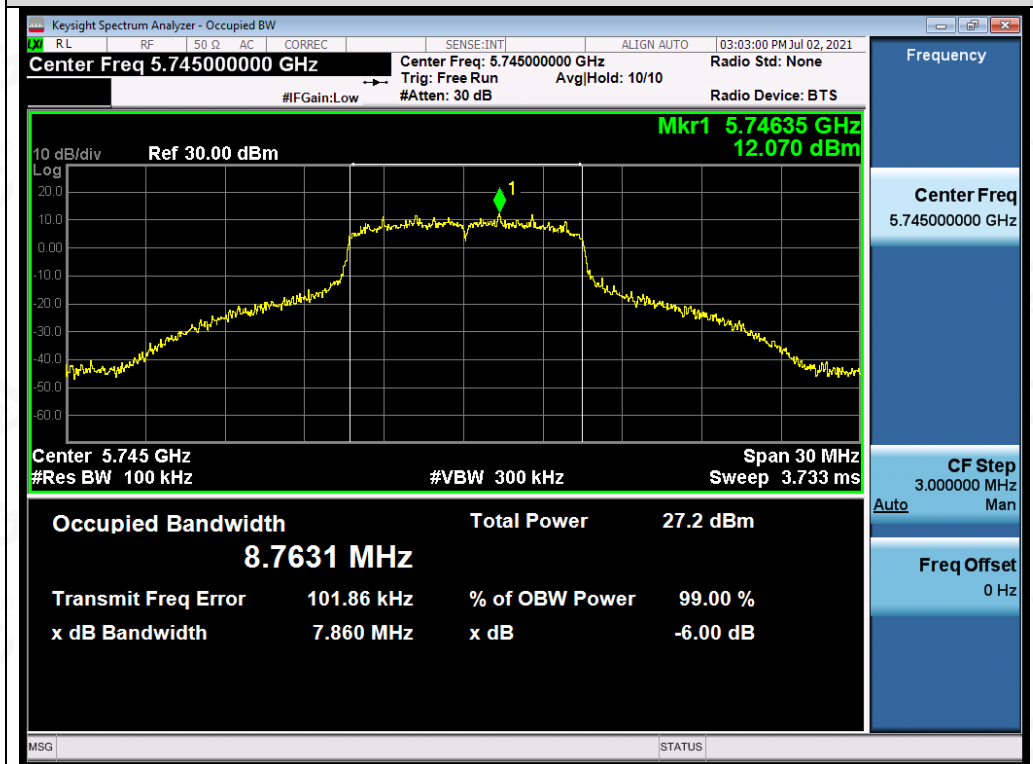
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Test_Graph_OFDM_ANT2_5825_6Mbps_DTSBW



Test_Graph_OFDM_ANT2_5745_MCS0_DTSBW

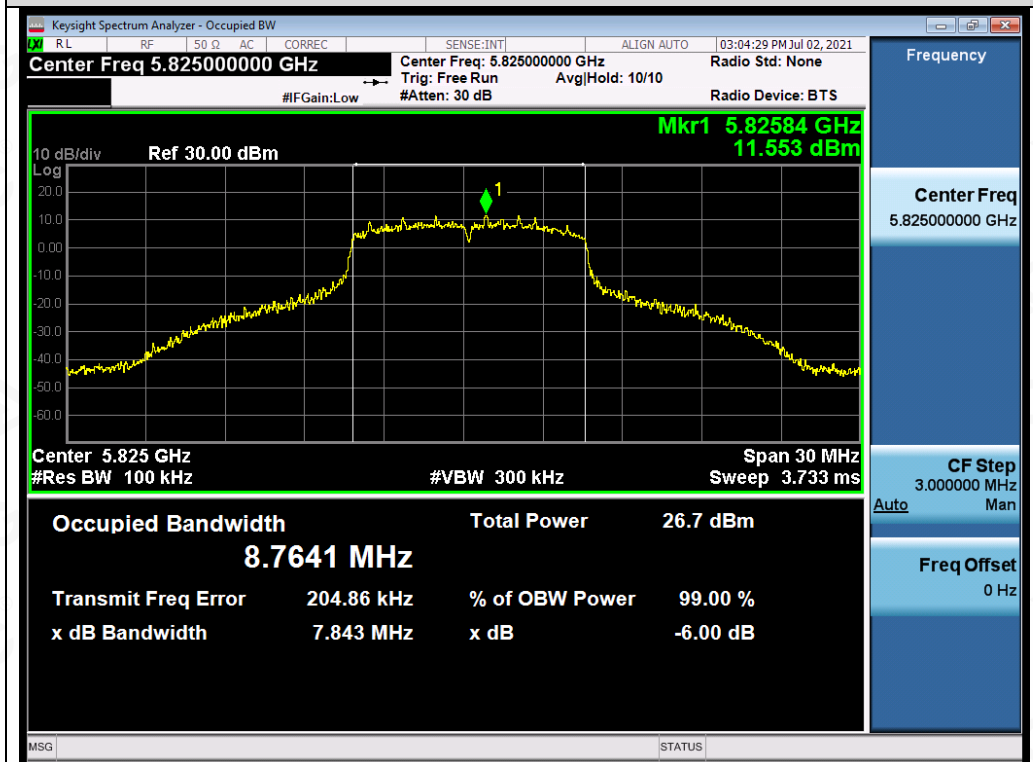
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Test_Graph_OFDM_ANT2_5785_MCS0_DTSBW



Test_Graph_OFDM_ANT2_5825_MCS0_DTSBW

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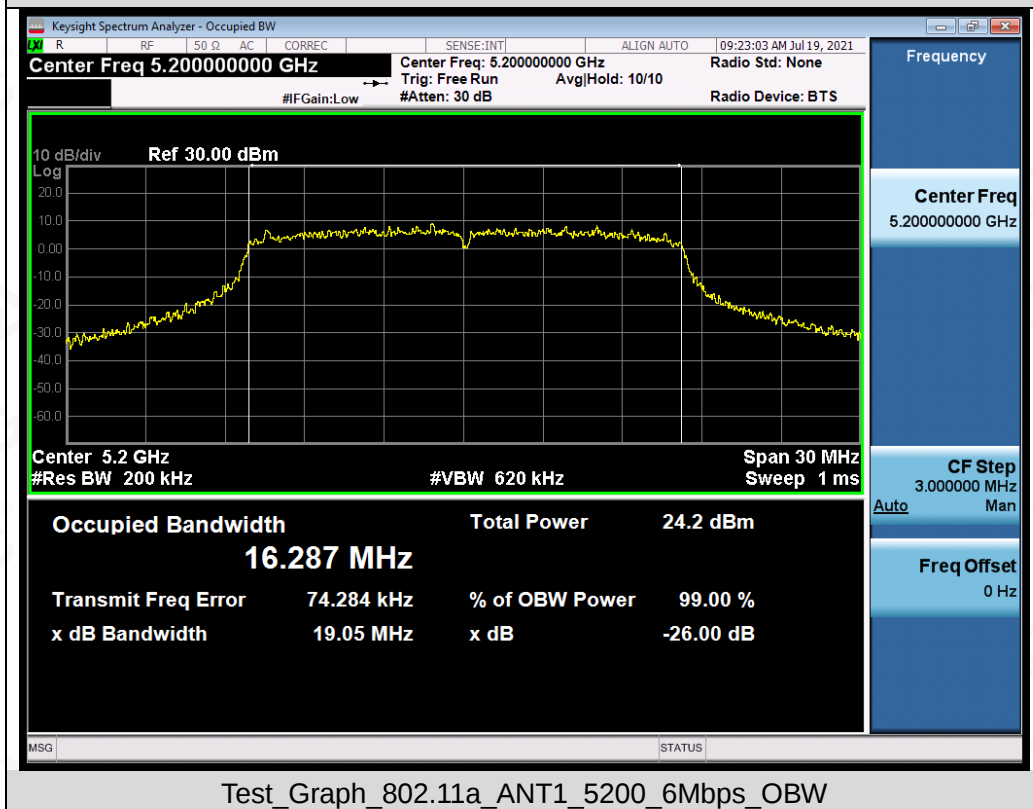


Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz

-Bandwidth 20 MHz-ant 1



Test_Graph_802.11a_ANT1_5180_6Mbps_OBW

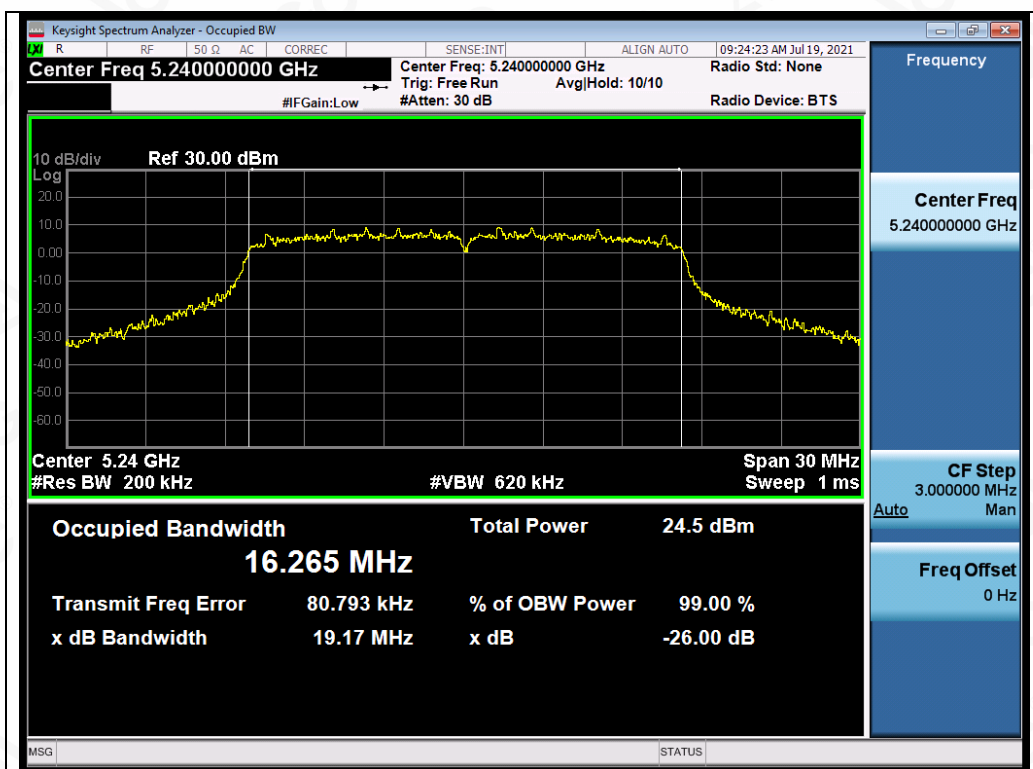


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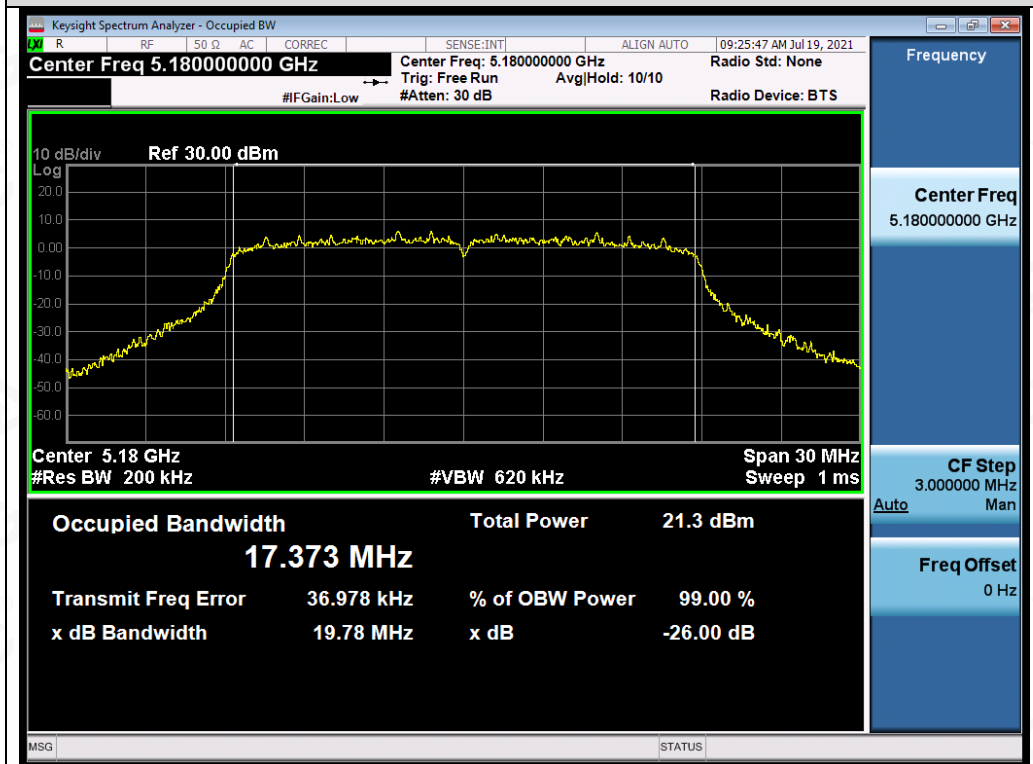
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Test_Graph_802.11a_ANT1_5240_6Mbps_OBW



Test_Graph_802.11n20_ANT1_5180_MCS0_OBW

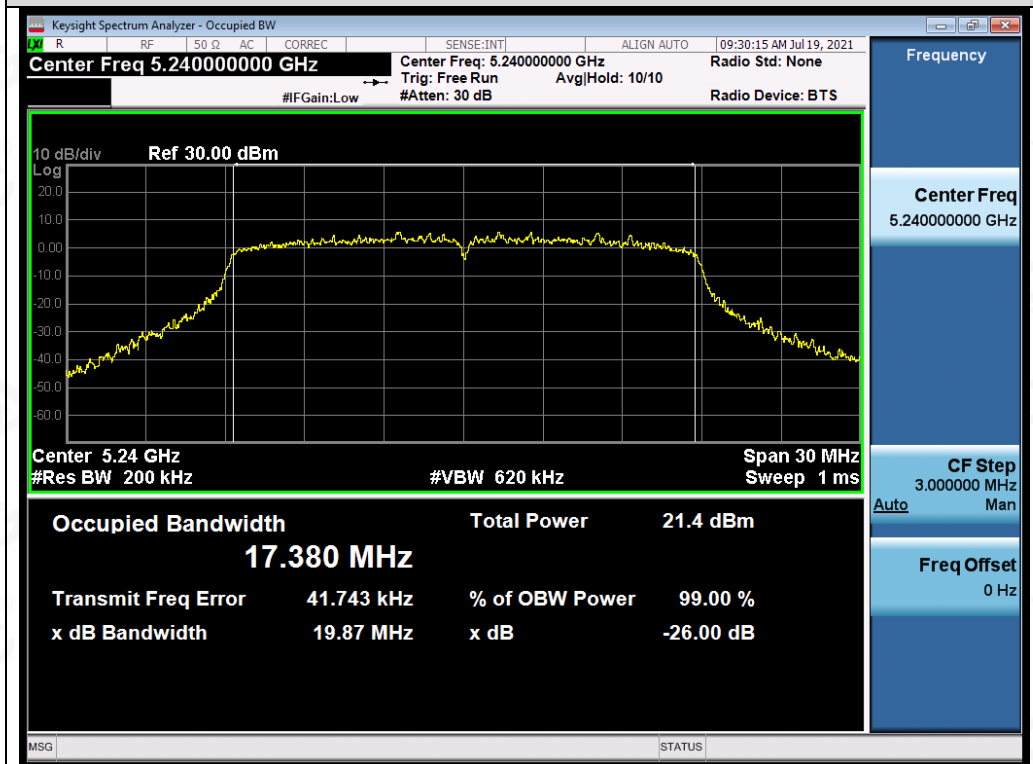
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Test_Graph_802.11n20_ANT1_5200_MCS0_OBW



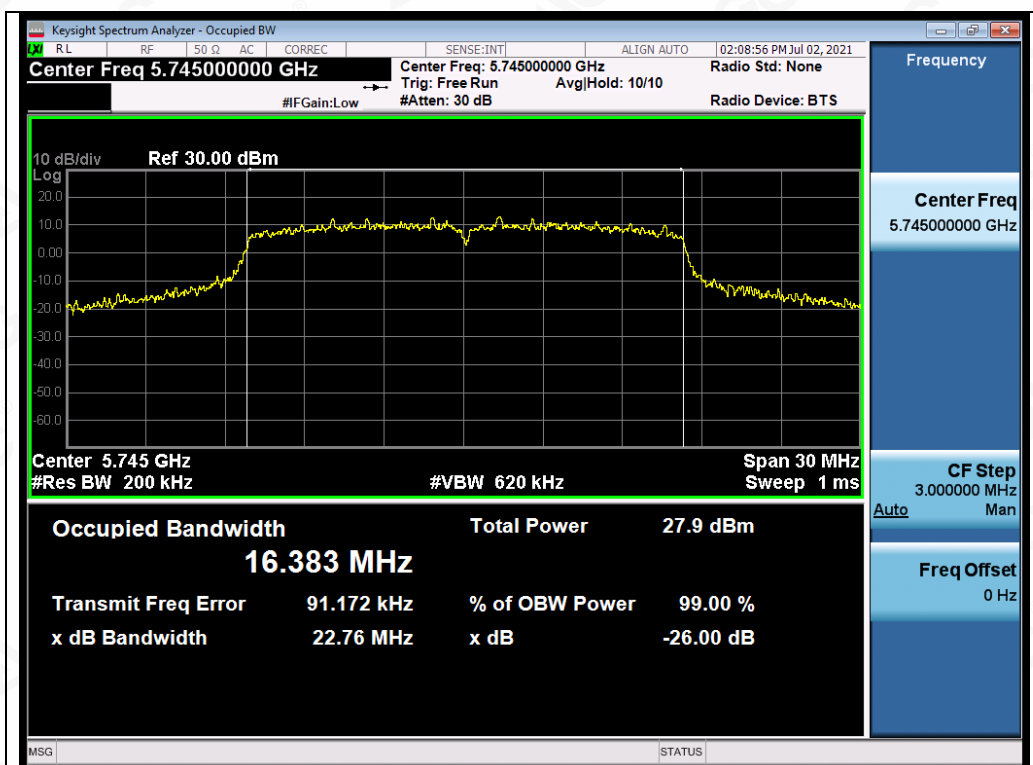
Test_Graph_802.11n20_ANT1_5240_MCS0_OBW

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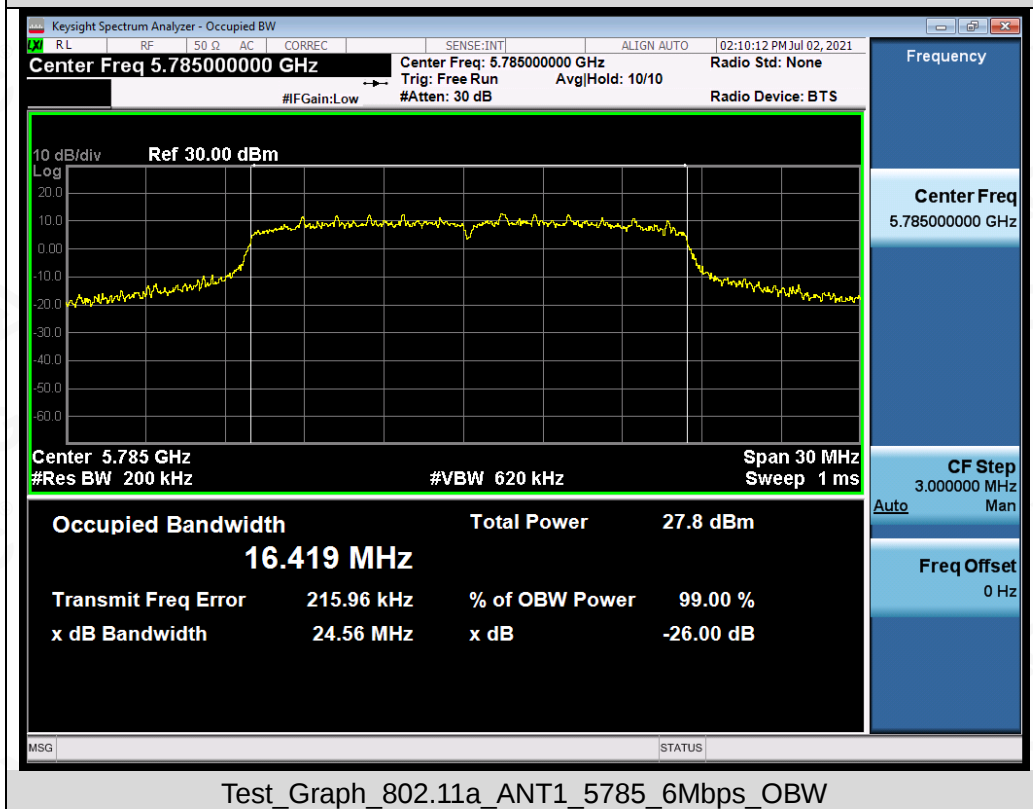
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Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz -Bandwidth 20 MHz-ant 1



Test_Graph_802.11a_ANT1_5745_6Mbps_OBW

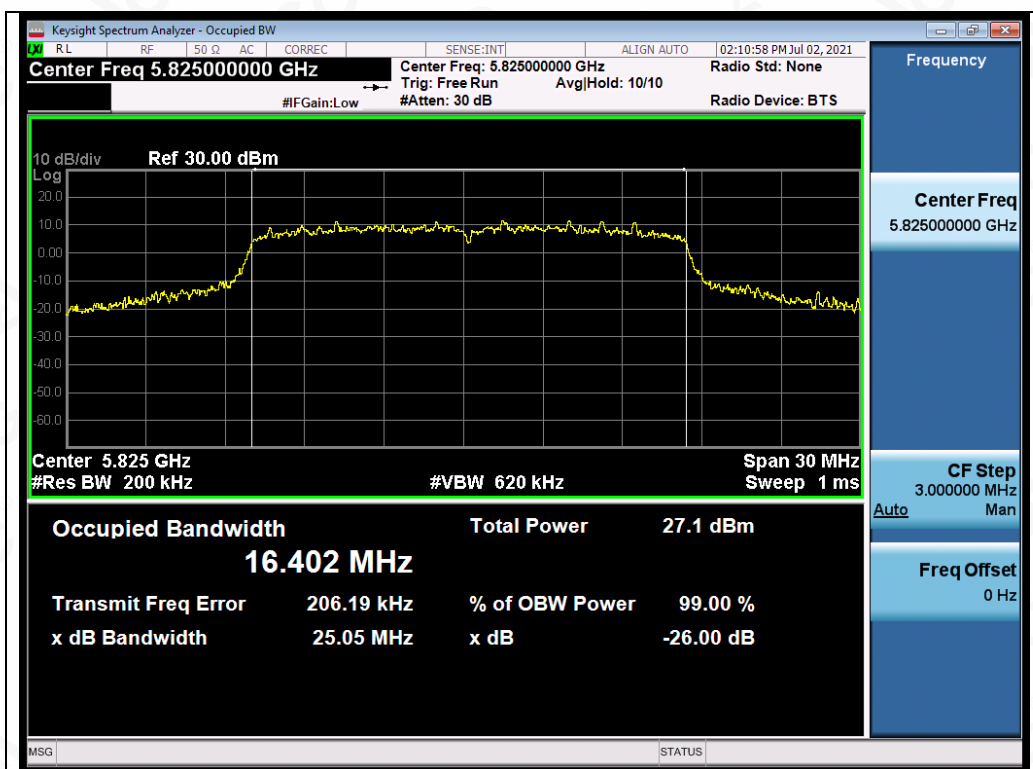


Test_Graph_802.11a_ANT1_5785_6Mbps_OBW

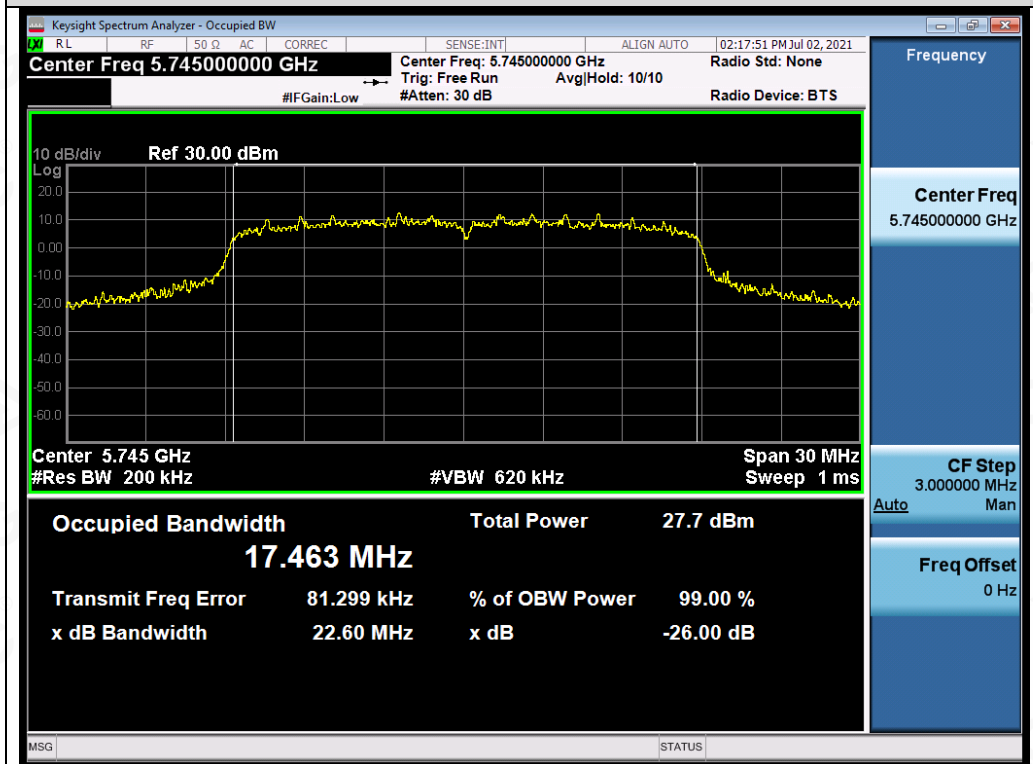
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Test_Graph_802.11a_ANT1_5825_6Mbps_OBW

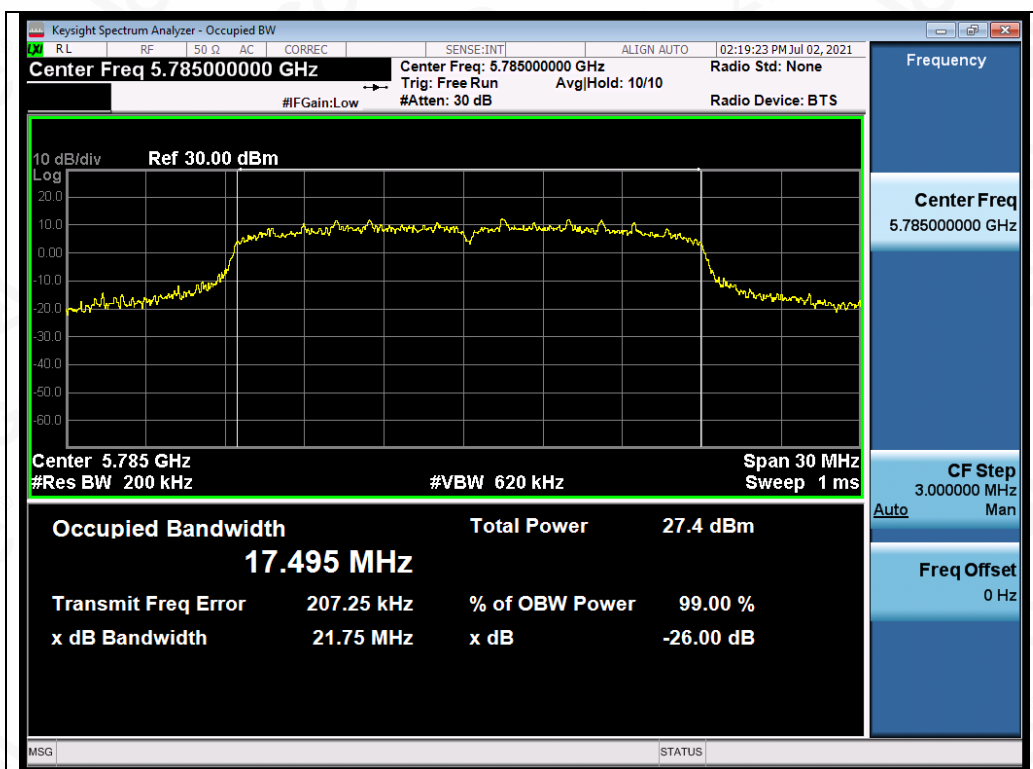


Test_Graph_802.11n20_ANT1_5745_MCS0_OBW

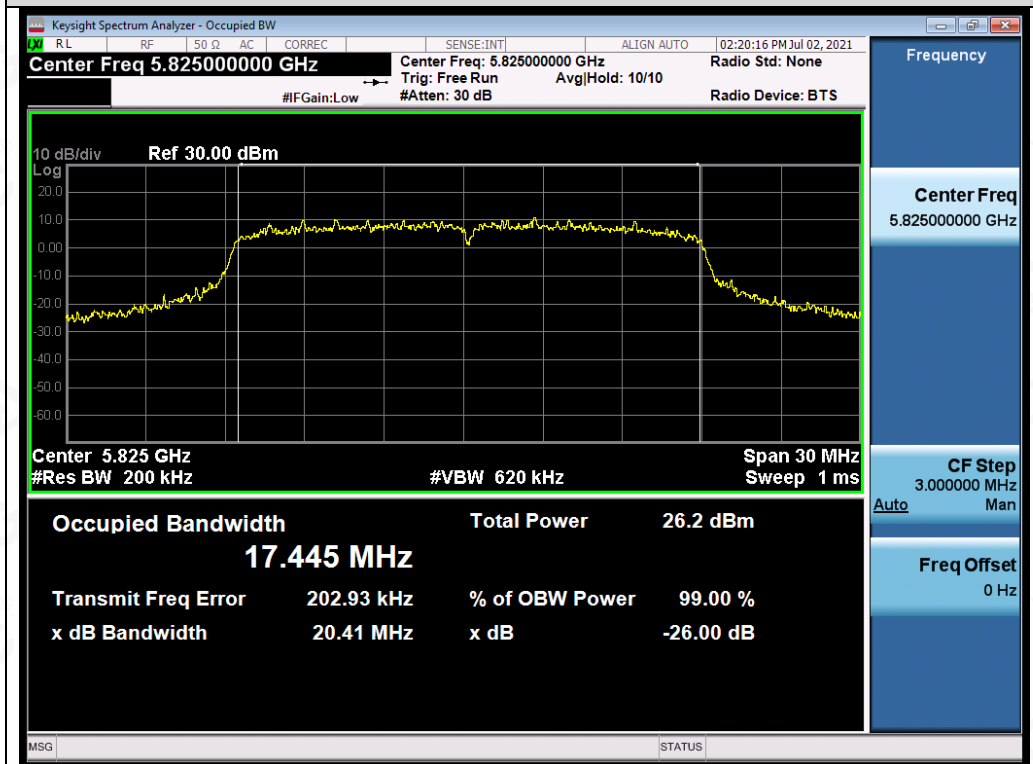
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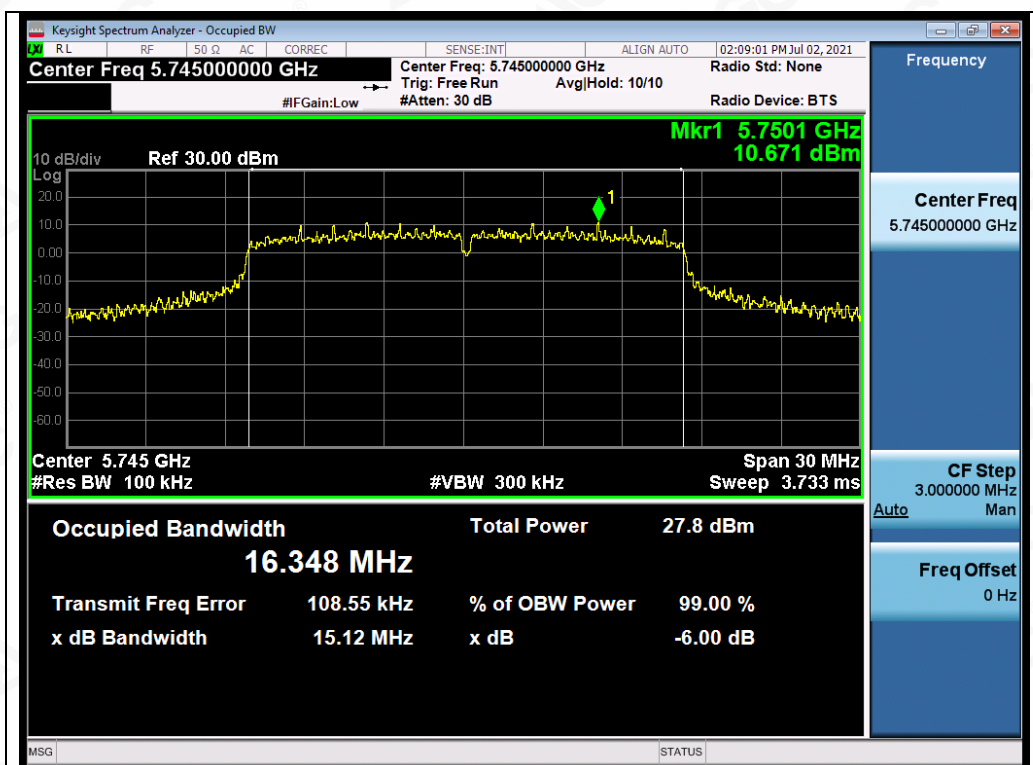
Test_Graph_802.11n20_ANT1_5825_MCS0_OBW

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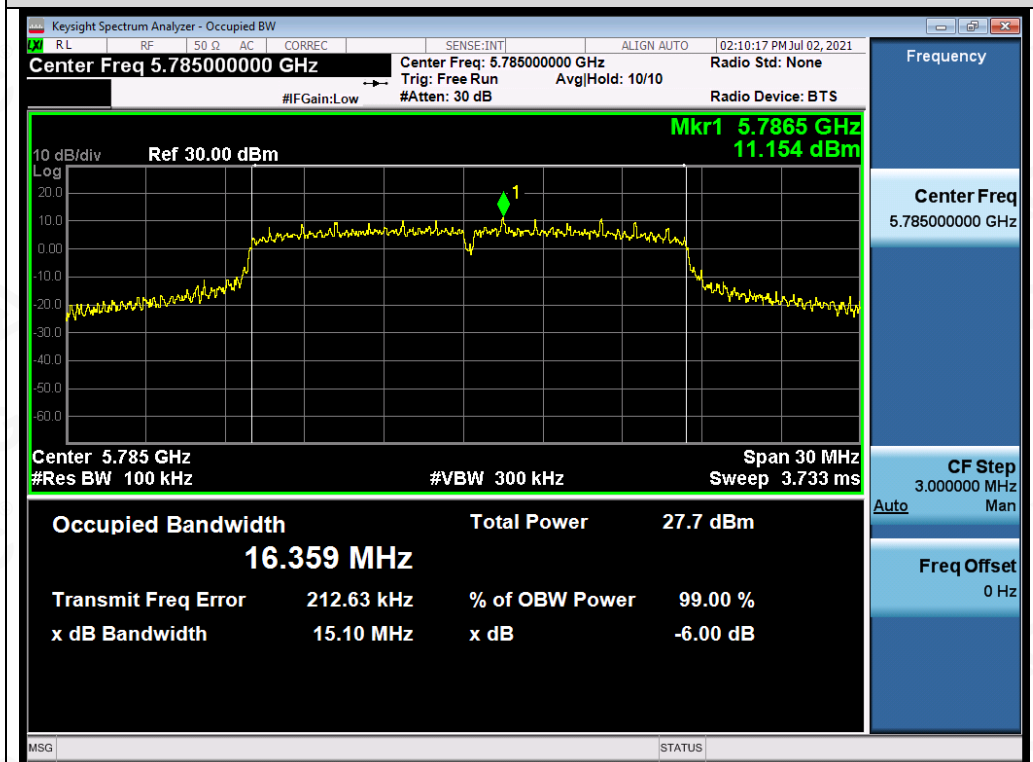
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Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz -Bandwidth 20 MHz-ant 1



Test_Graph_802.11a_ANT1_5745_6Mbps_DTSSBW

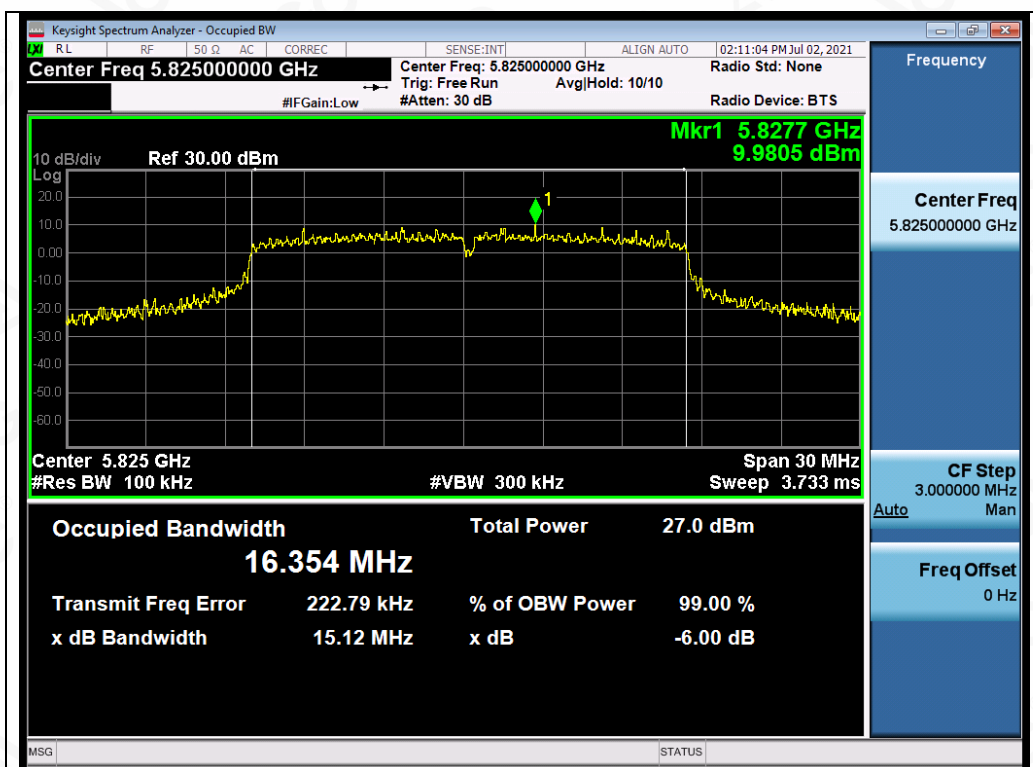


Test_Graph_802.11a_ANT1_5785_6Mbps_DTSSBW

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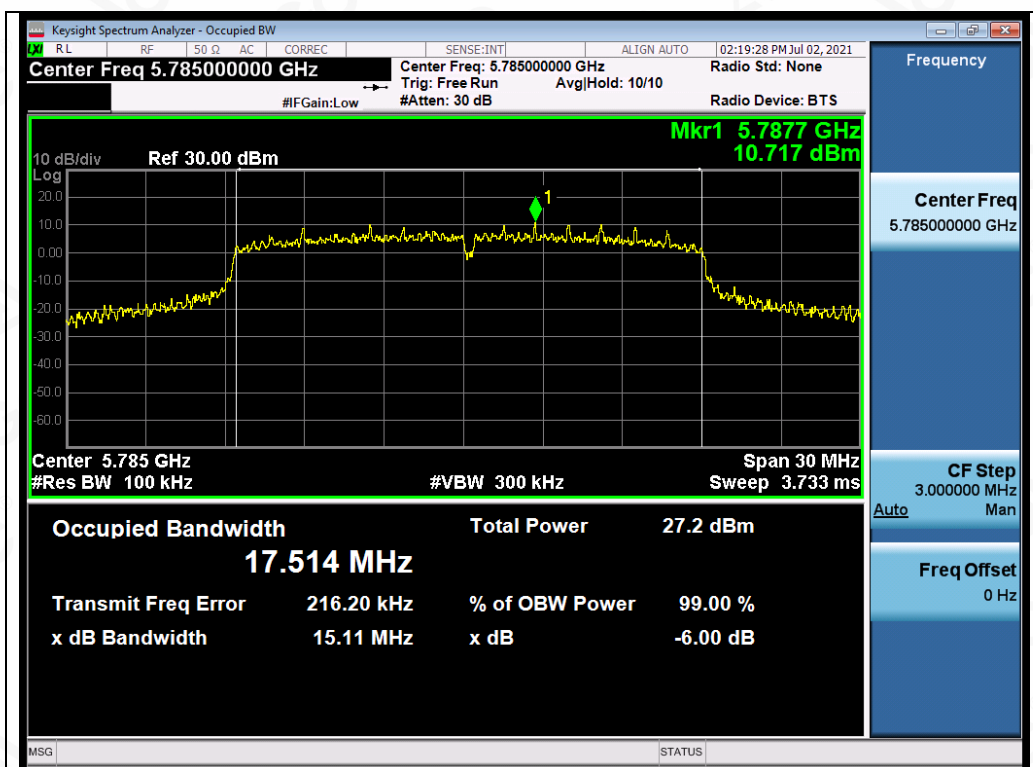


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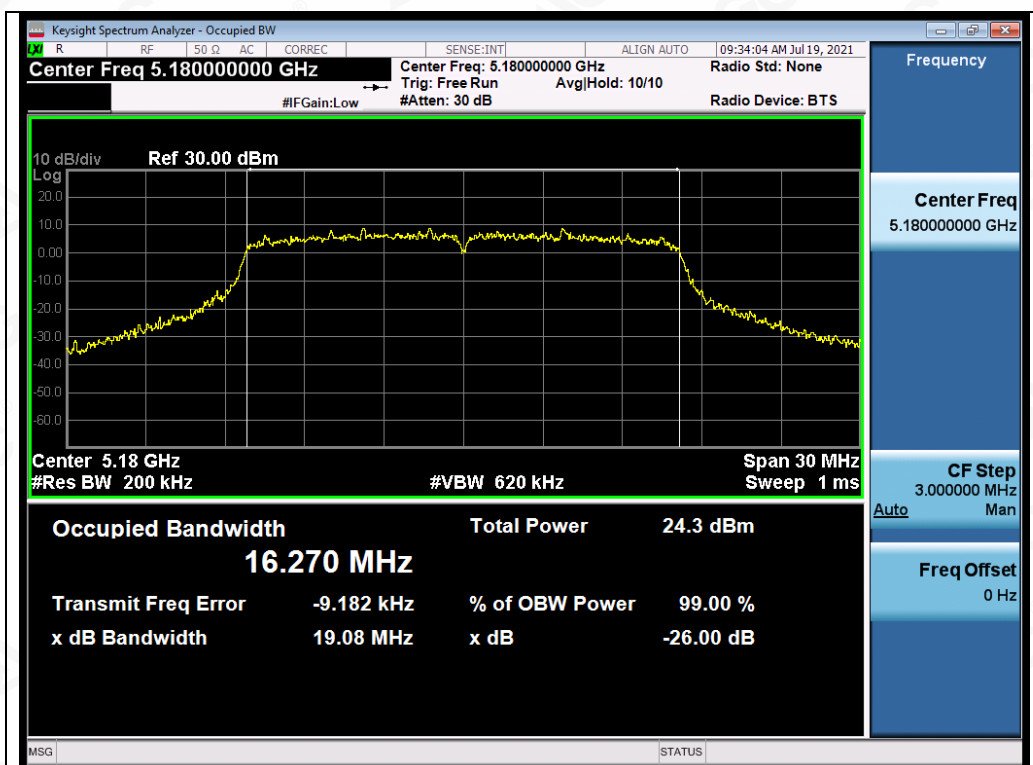
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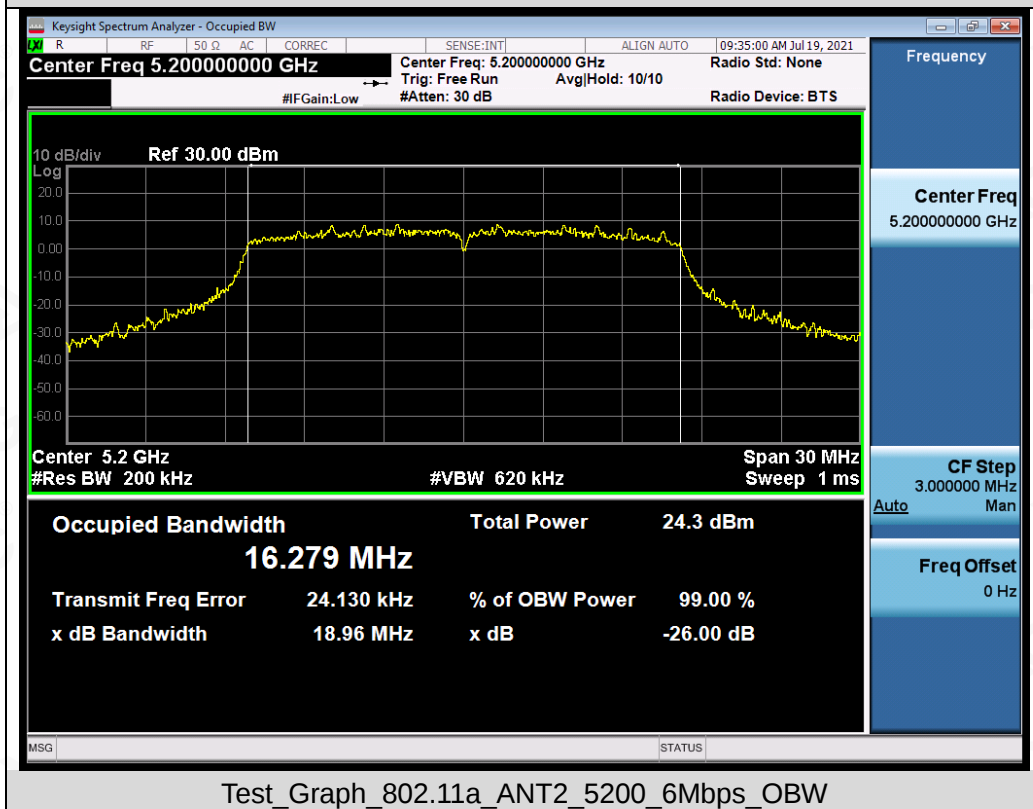
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz -Bandwidth 20 MHz-ant 2



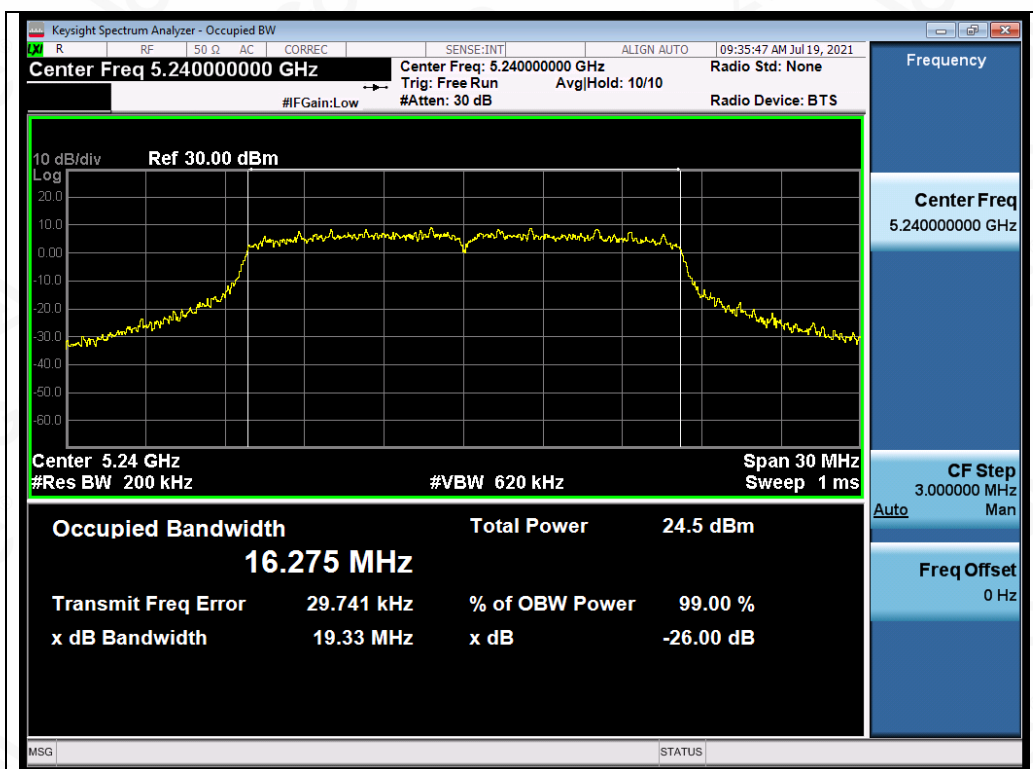
Test_Graph_802.11a_ANT2_5180_6Mbps_OBW



Test_Graph_802.11a_ANT2_5200_6Mbps_OBW

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Test_Graph_802.11a_ANT2_5240_6Mbps_OBW



Test_Graph_802.11n20_ANT2_5180_MCS0_OBW

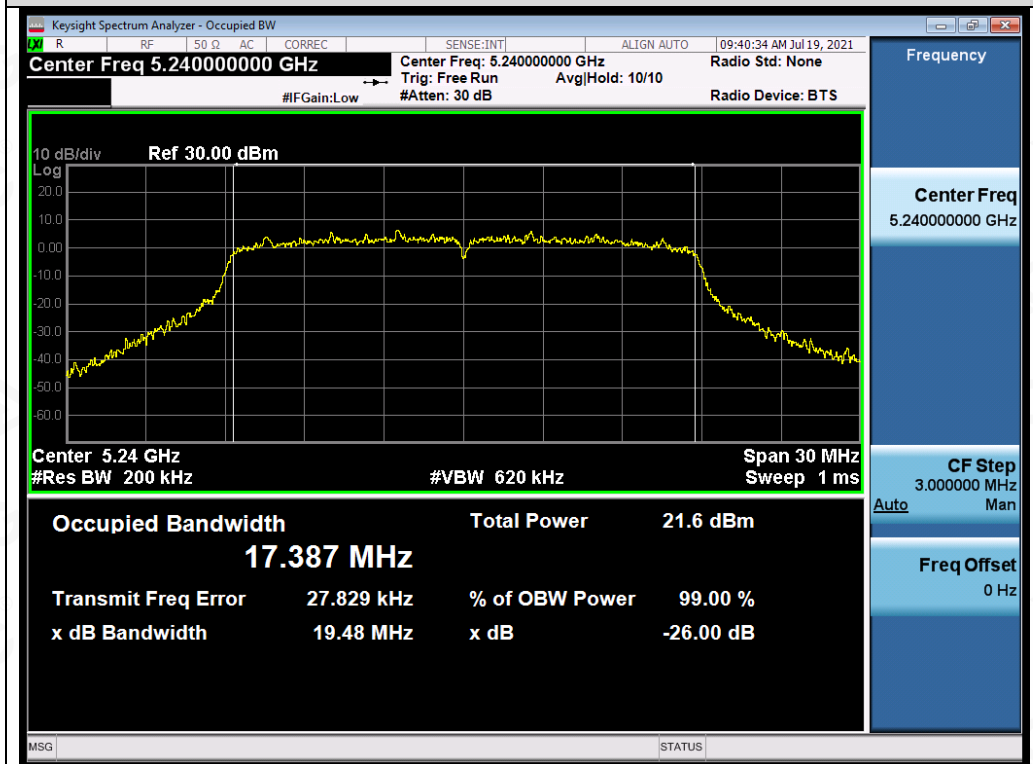
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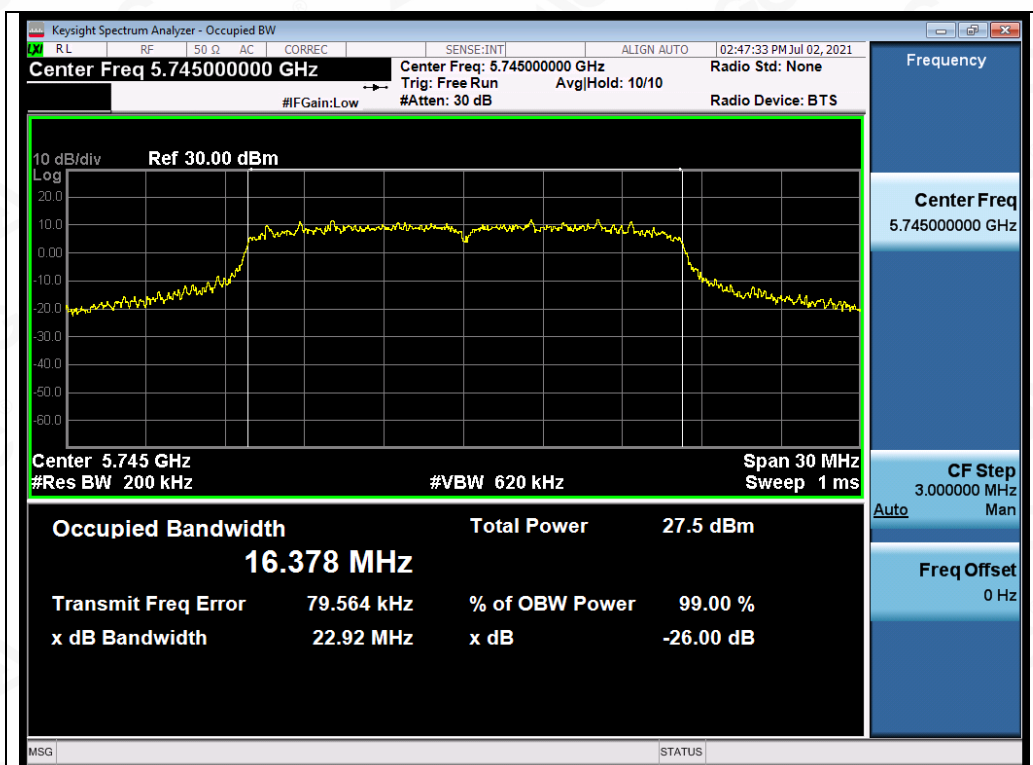
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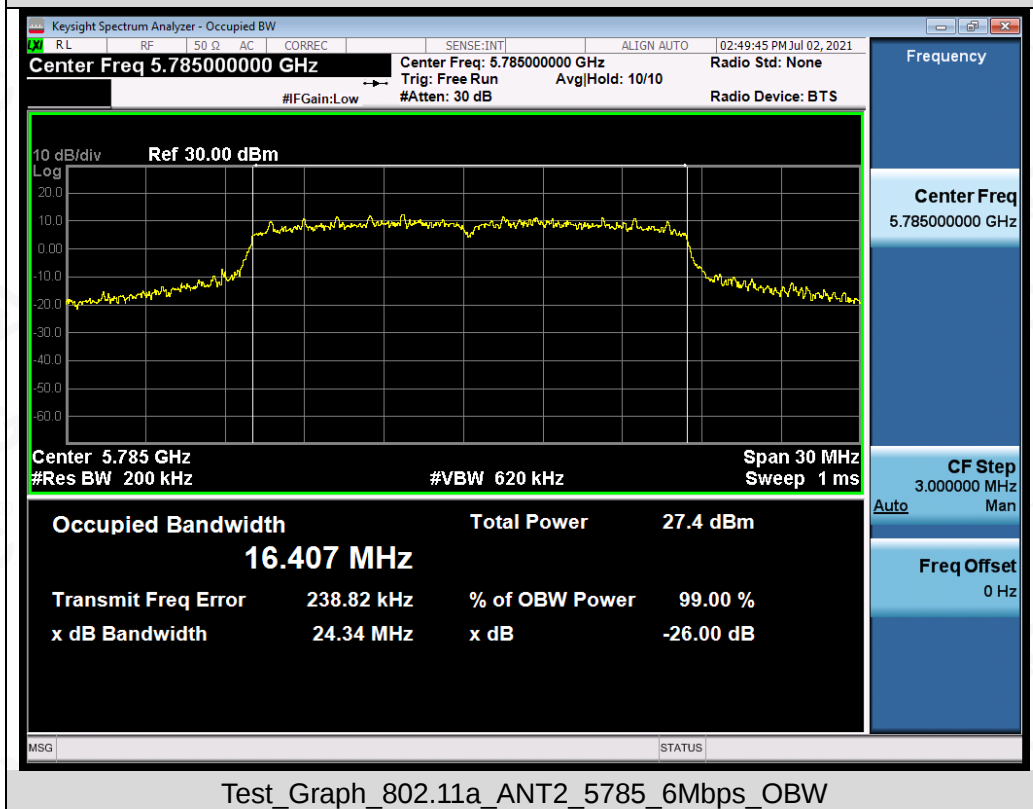
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Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz -Bandwidth 20 MHz-ant 2



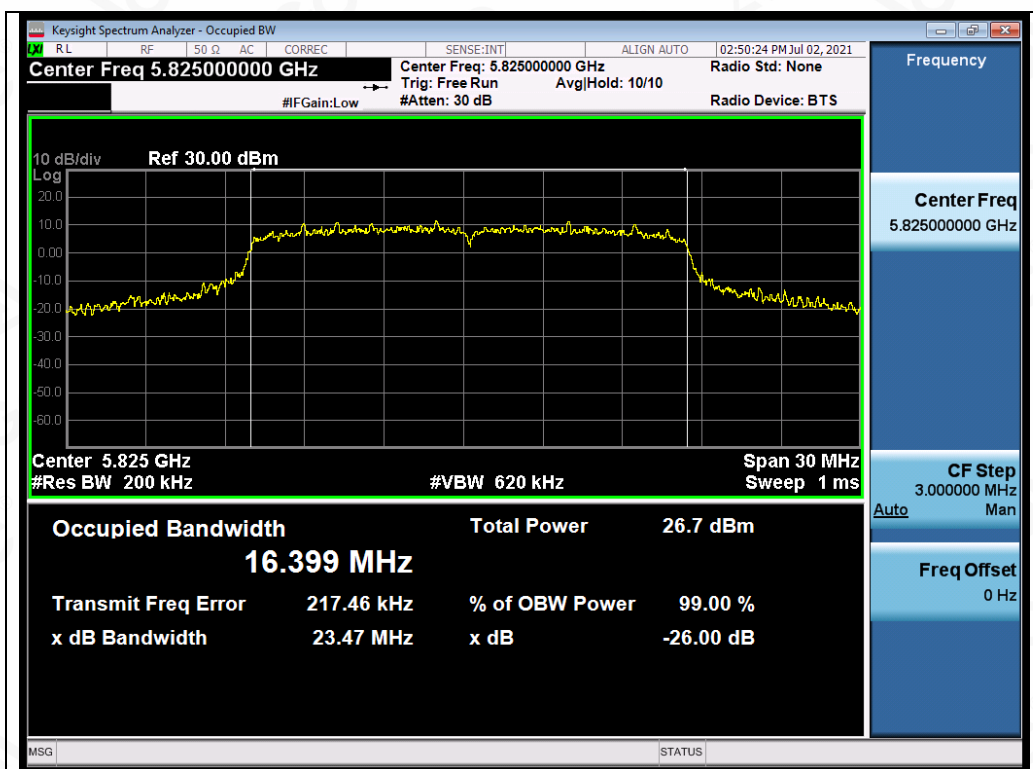
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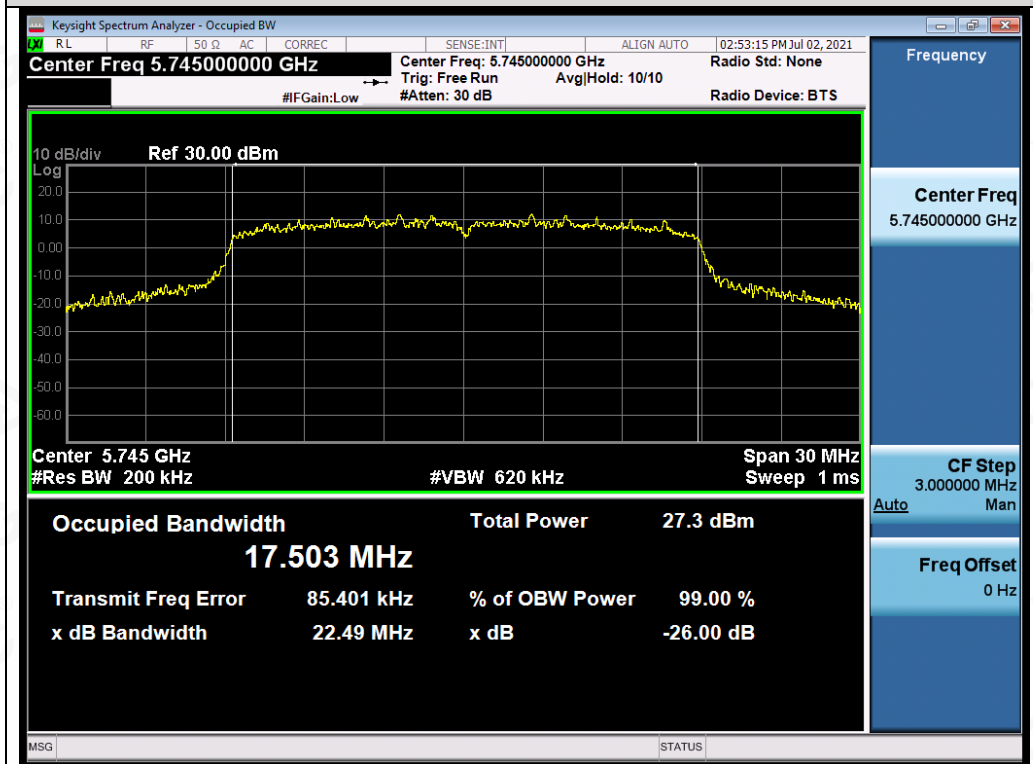
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Test_Graph_802.11a_ANT2_5825_6Mbps_OBW

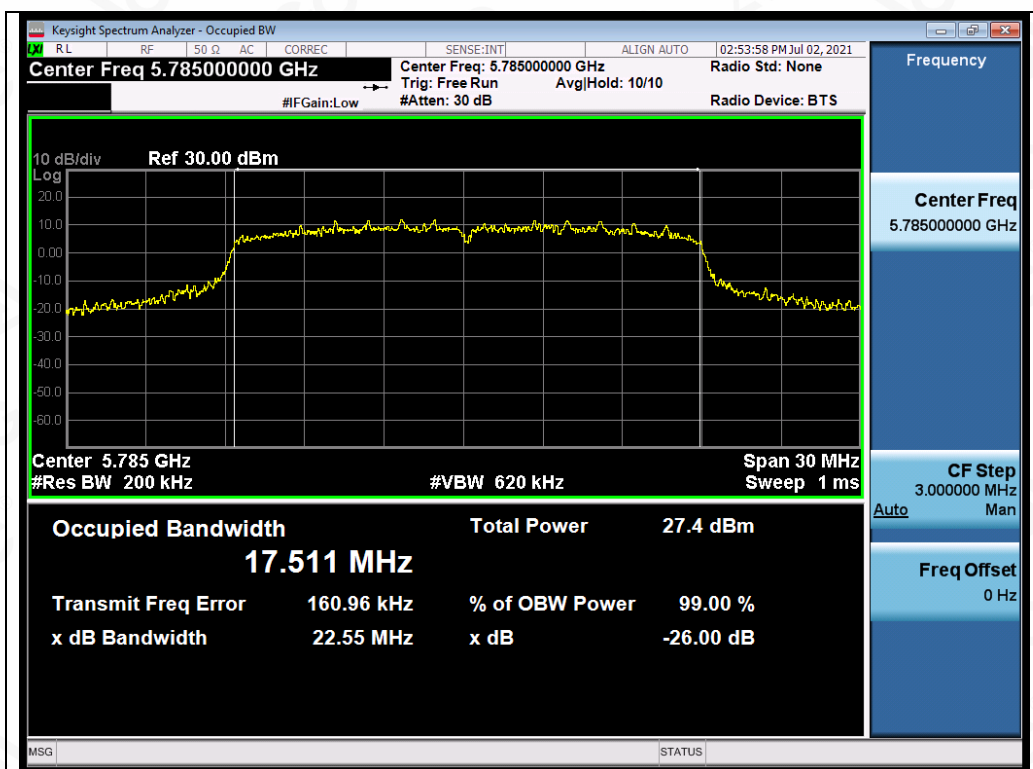


Test_Graph_802.11n20_ANT2_5745_MCS0_OBW

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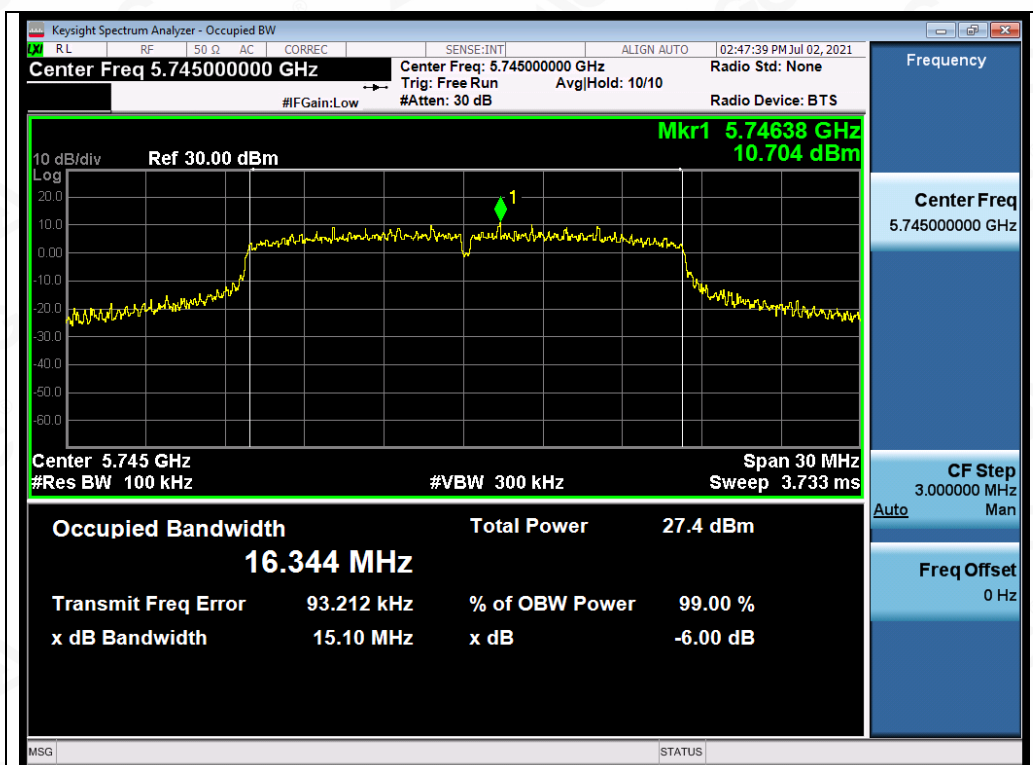
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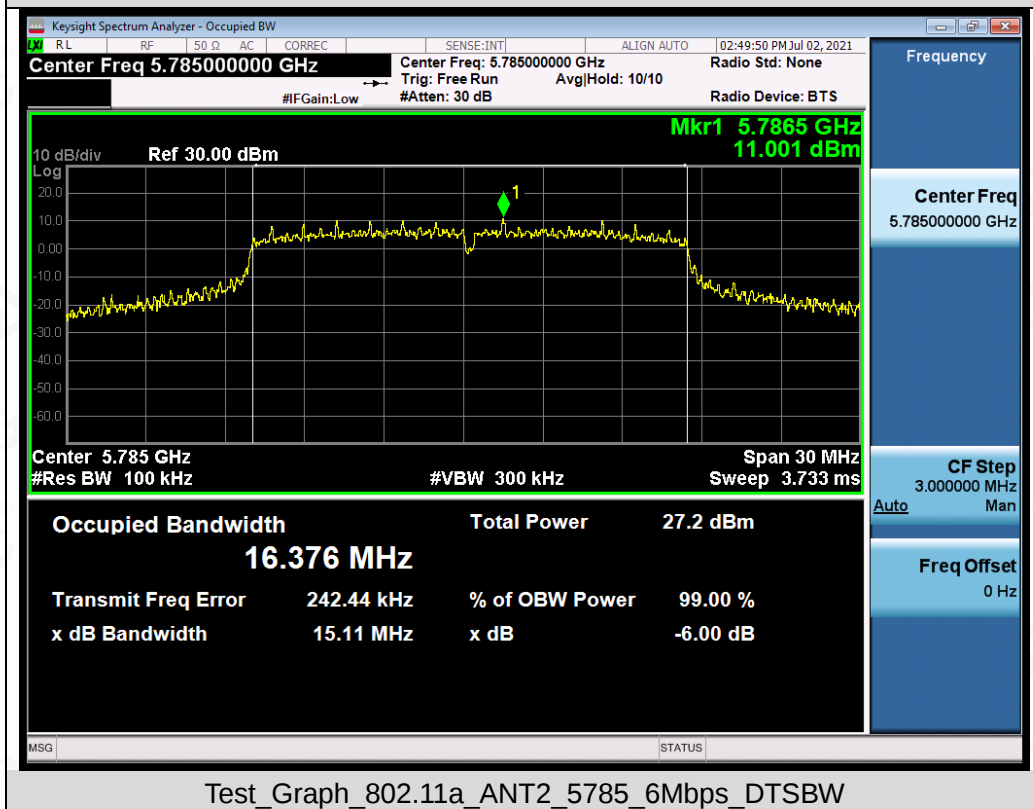
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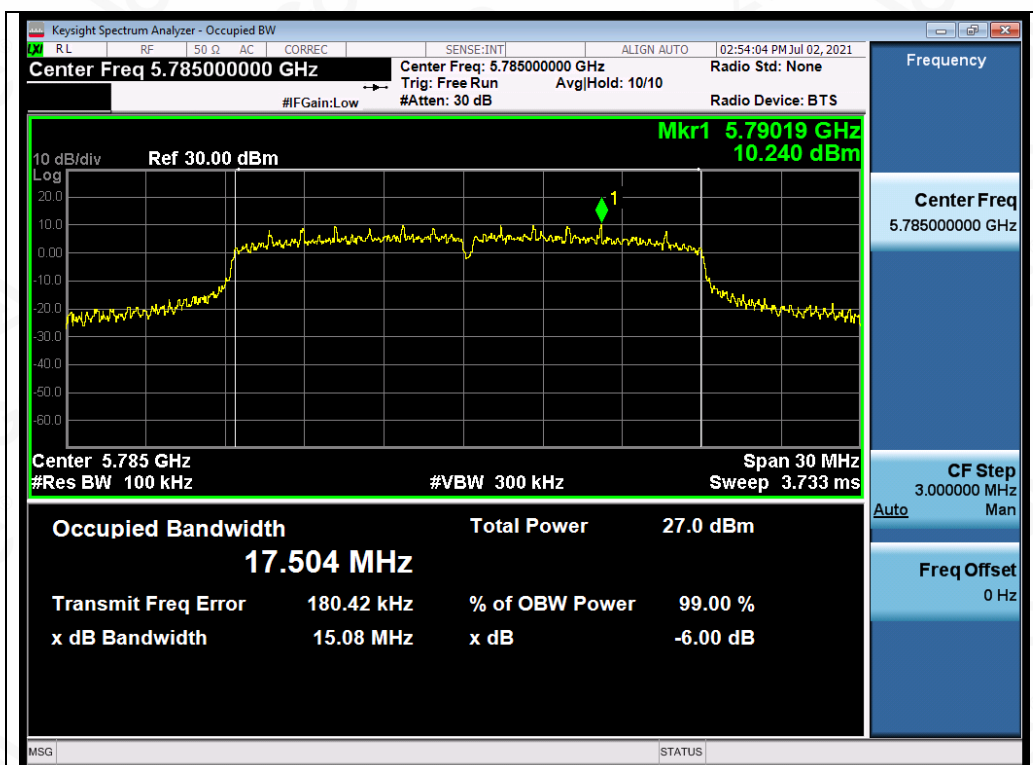


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9. MAXIMUM CONDUCTED OUTPUT AVERAGE POWER SPECTRAL DENSITY

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	8.023	11	Pass
	5200	8.324	11	Pass
	5240	8.152	11	Pass
OFDM with data rate MCS0	5180	5.364	11	Pass
	5200	4.705	11	Pass
	5240	4.828	11	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	4.415	11.405	29.8	Pass
	5785	3.870	10.860	29.8	Pass
	5825	3.841	10.831	29.8	Pass
OFDM with data rate MCS0	5745	4.353	11.343	29.8	Pass
	5785	4.253	11.243	29.8	Pass
	5825	3.787	10.777	29.8	Pass

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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	8.243	11	Pass
	5200	8.110	11	Pass
	5240	7.877	11	Pass
OFDM with data rate MCS0	5180	4.766	11	Pass
	5200	5.091	11	Pass
	5240	5.037	11	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	4.749	11.739	29.8	Pass
	5785	4.868	11.858	29.8	Pass
	5825	4.474	11.464	29.8	Pass
OFDM with data rate MCS0	5745	4.359	11.349	29.8	Pass
	5785	4.003	10.993	29.8	Pass
	5825	3.547	10.537	29.8	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	8.09	8.63	Pass
	5200	7.91	8.63	Pass
	5240	7.94	8.63	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	7.366	14.356	26.79	Pass
	5785	7.140	14.130	26.79	Pass
	5825	6.679	13.669	26.79	Pass

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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	8.275	11	Pass
	5200	8.041	11	Pass
	5240	8.145	11	Pass
802.11n20	5180	4.703	11	Pass
	5200	4.887	11	Pass
	5240	5.275	11	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	3.089	10.079	29.8	Pass
	5785	2.644	9.634	29.8	Pass
	5825	2.217	9.207	29.8	Pass
802.11n20	5745	2.154	9.144	29.8	Pass
	5785	1.902	8.892	29.8	Pass
	5825	1.126	8.116	29.8	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	8.315	11	Pass
	5200	8.229	11	Pass
	5240	8.198	11	Pass
802.11n20	5180	5.215	11	Pass
	5200	5.137	11	Pass
	5240	5.295	11	Pass

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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	2.250	9.240	29.8	Pass
	5785	2.074	9.064	29.8	Pass
	5825	1.421	8.411	29.8	Pass
802.11n20	5745	2.303	9.293	29.8	Pass
	5785	1.856	8.846	29.8	Pass
	5825	1.523	8.513	29.8	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	7.98	8.63	Pass
	5200	8.02	8.63	Pass
	5240	8.30	8.63	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	12.23	19.22	26.79	Pass
	5785	11.88	18.87	26.79	Pass
	5825	11.33	18.32	26.79	Pass

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

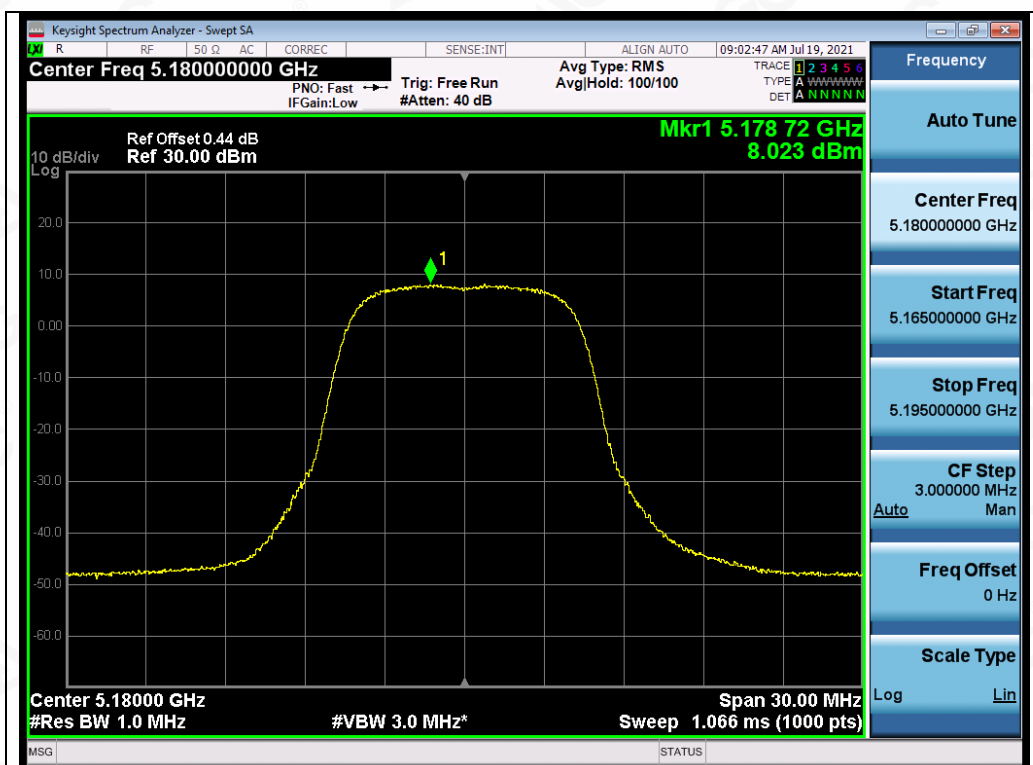
2.The Total PSD (dBm/500kHz) = 10*log {10^(Ant 1 PSD/10) + 10^(Ant 2 PSD/10)}(dBm/500kHz)

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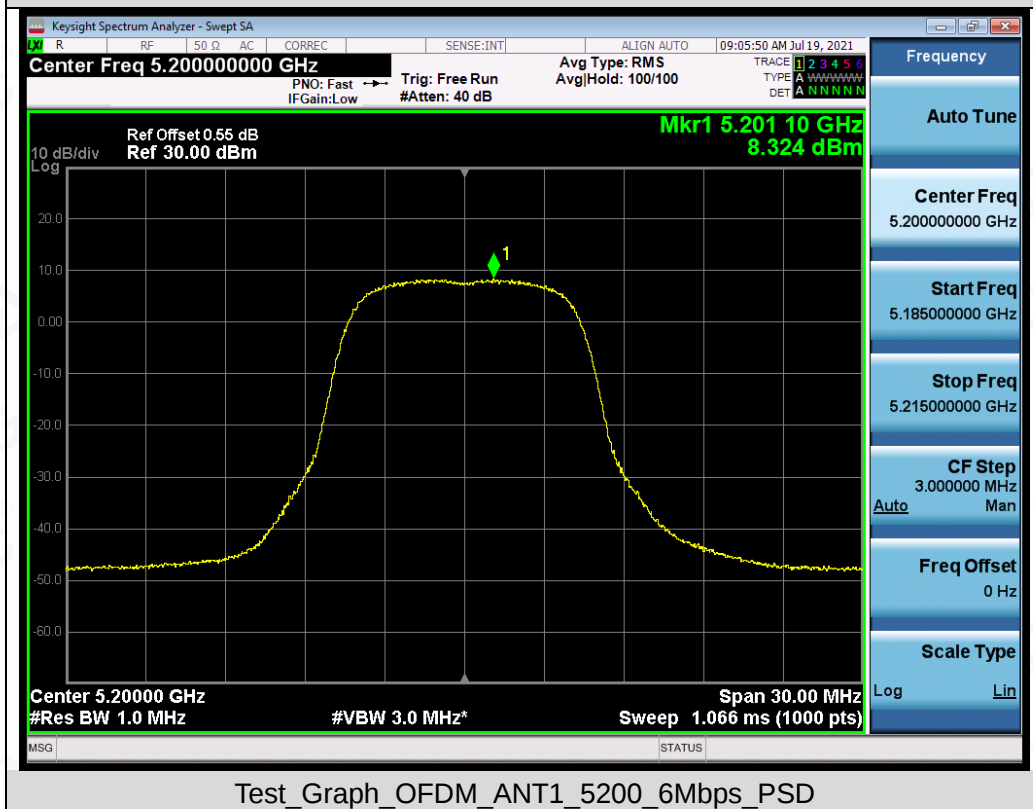
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Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz -Bandwidth 10 MHz of antenna 1



Test_Graph_OFDM_ANT1_5180_6Mbps_PSD

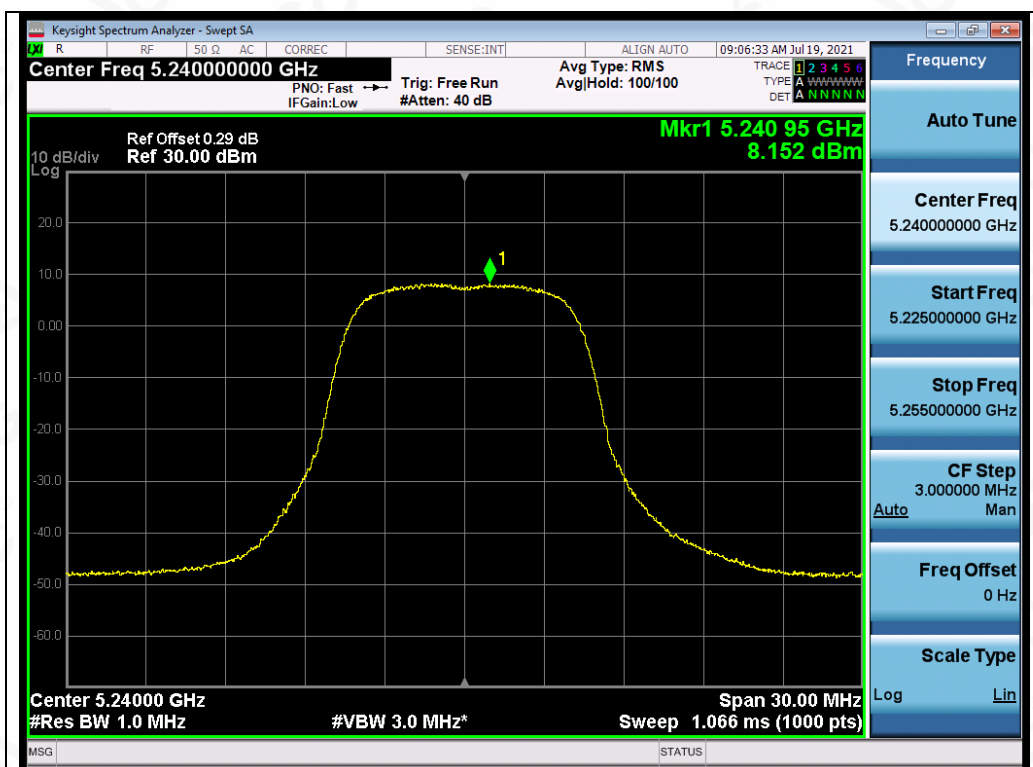


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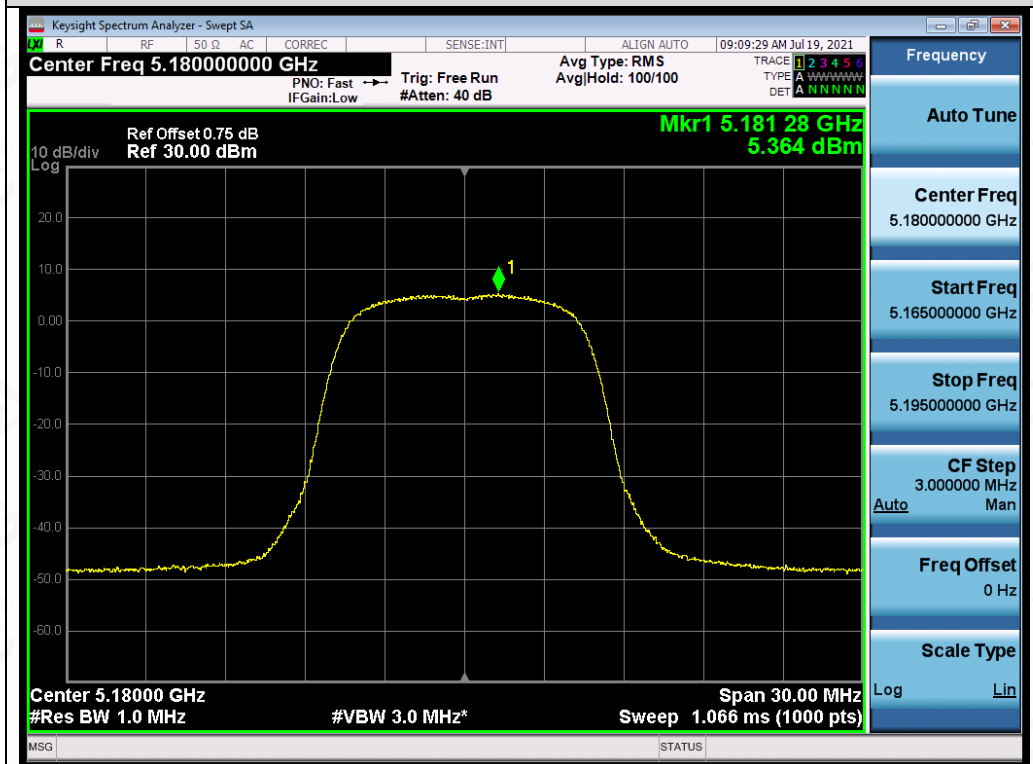
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Test_Graph_OFDM_ANT1_5240_6Mbps_PSD

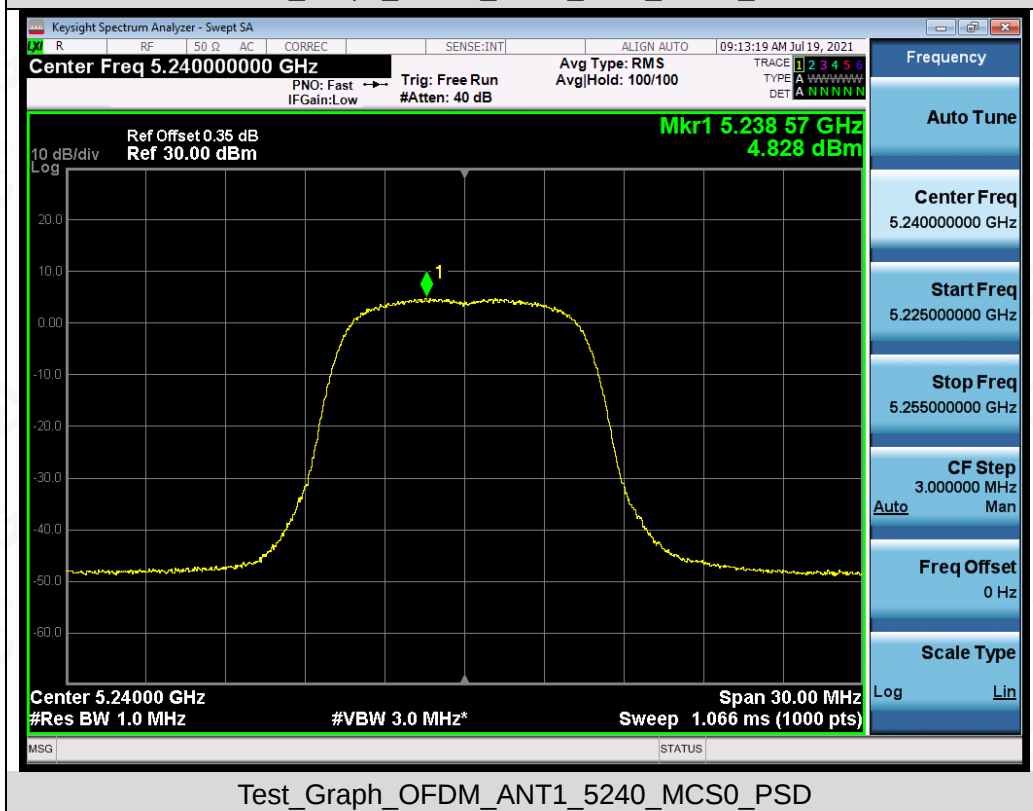
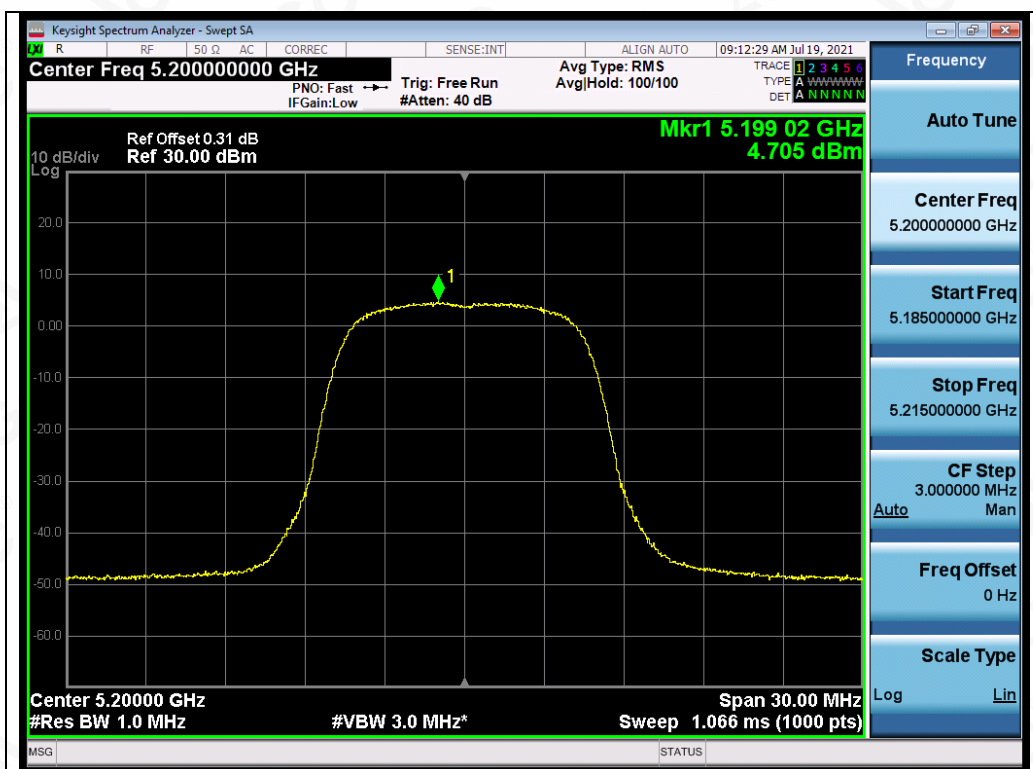


Test_Graph_OFDM_ANT1_5180_MCS0_PSD

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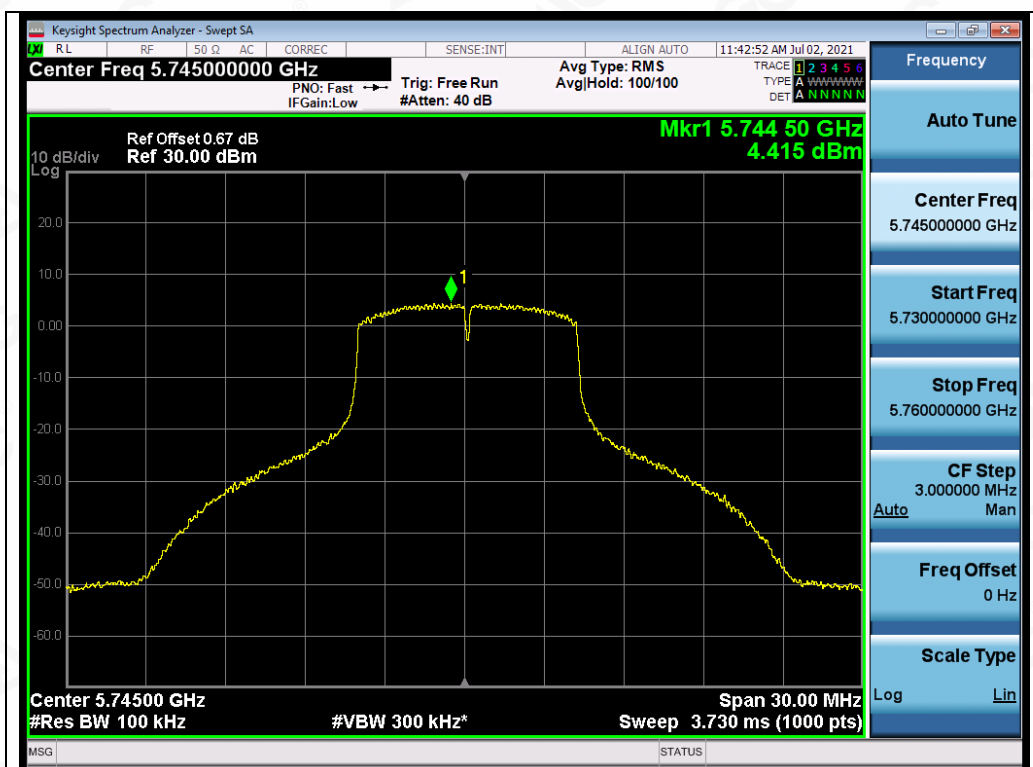


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Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz -Bandwidth 10 MHz of antenna 1



Test_Graph_OFDM_ANT1_5745_6Mbps_PSD

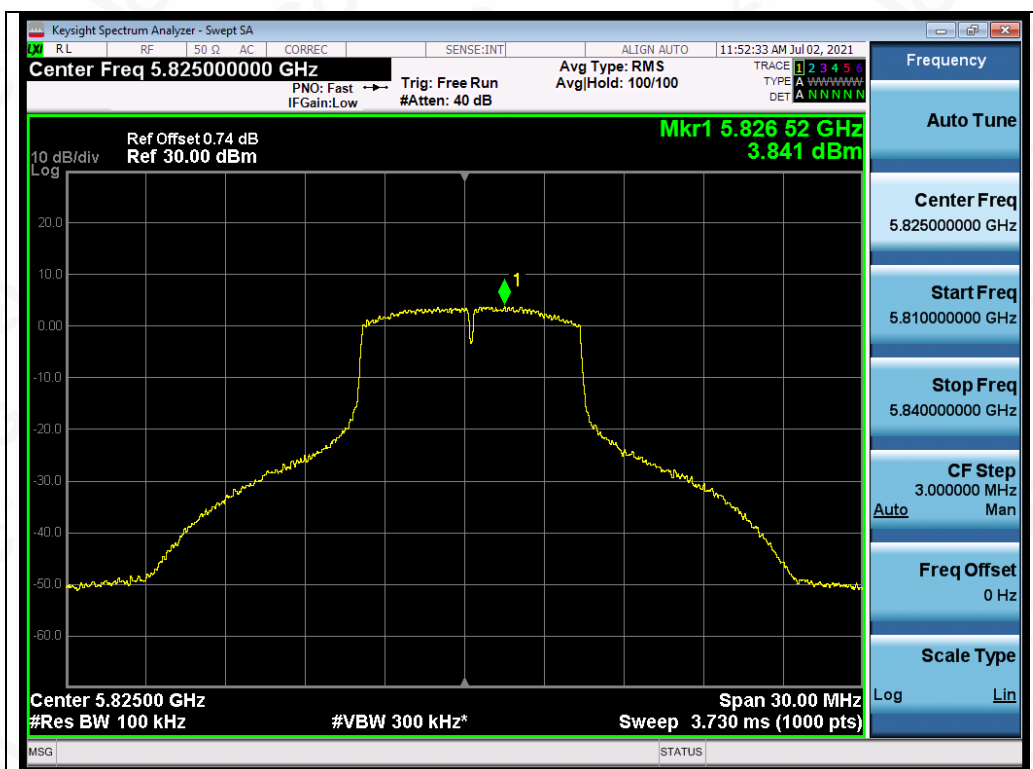


Test_Graph_OFDM_ANT1_5785_6Mbps_PSD

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Test_Graph_OFDM_ANT1_5825_6Mbps_PSD



Test_Graph_OFDM_ANT1_5745_MCS0_PSD

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