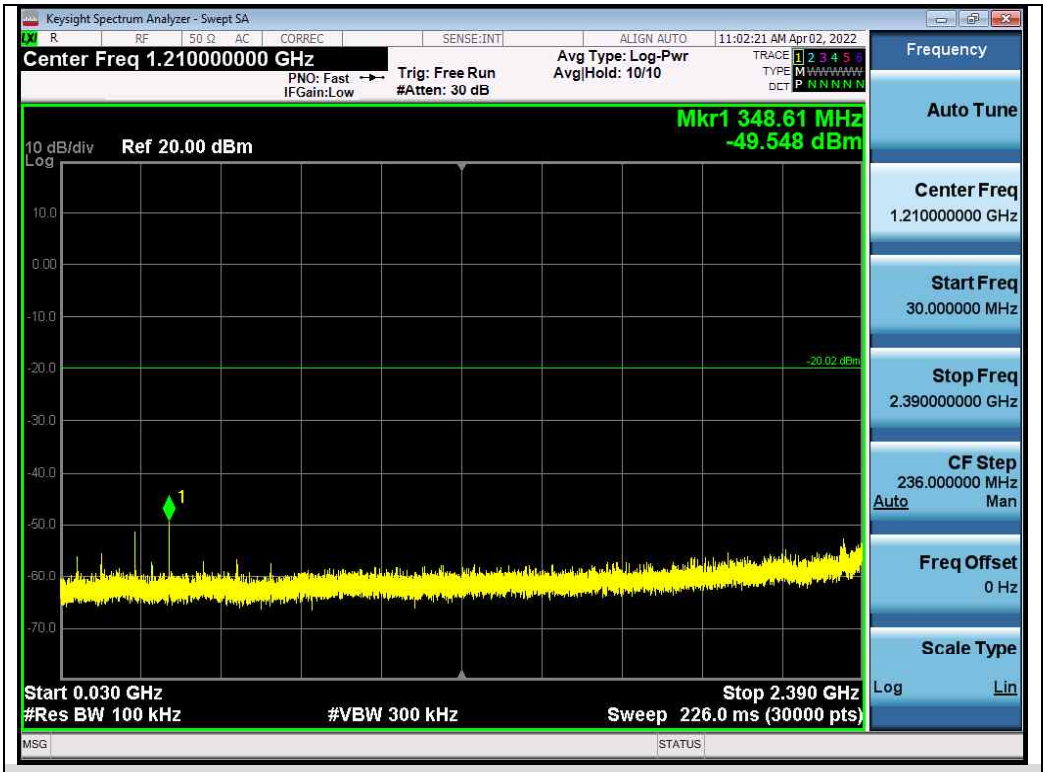
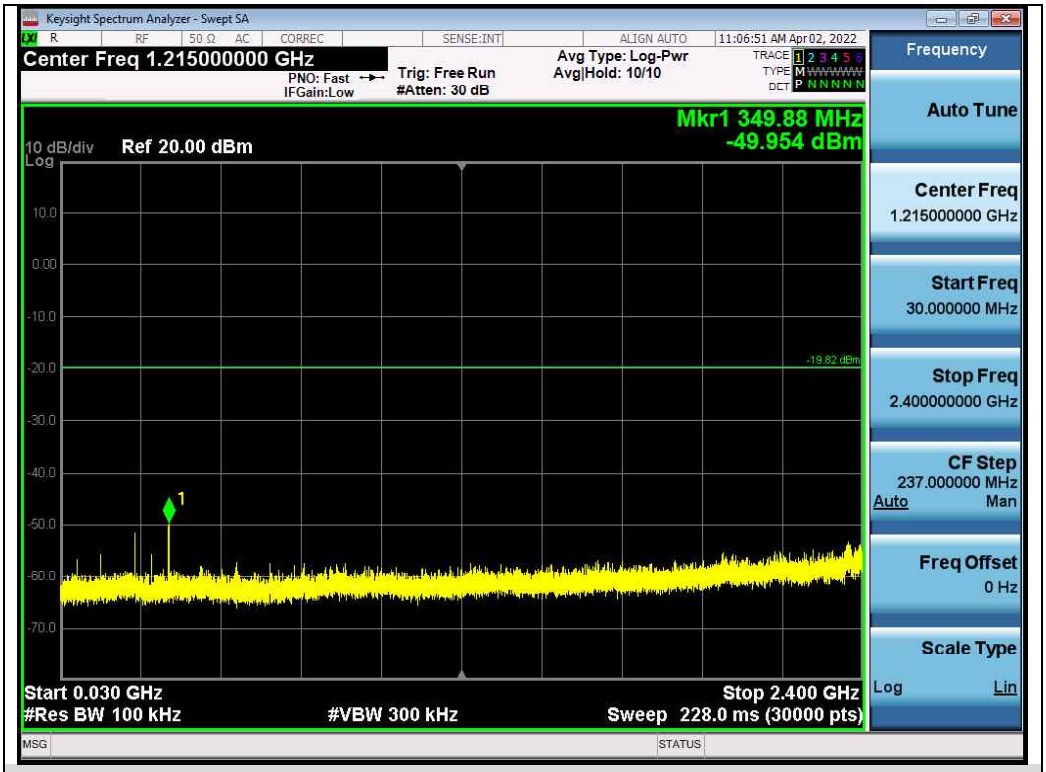


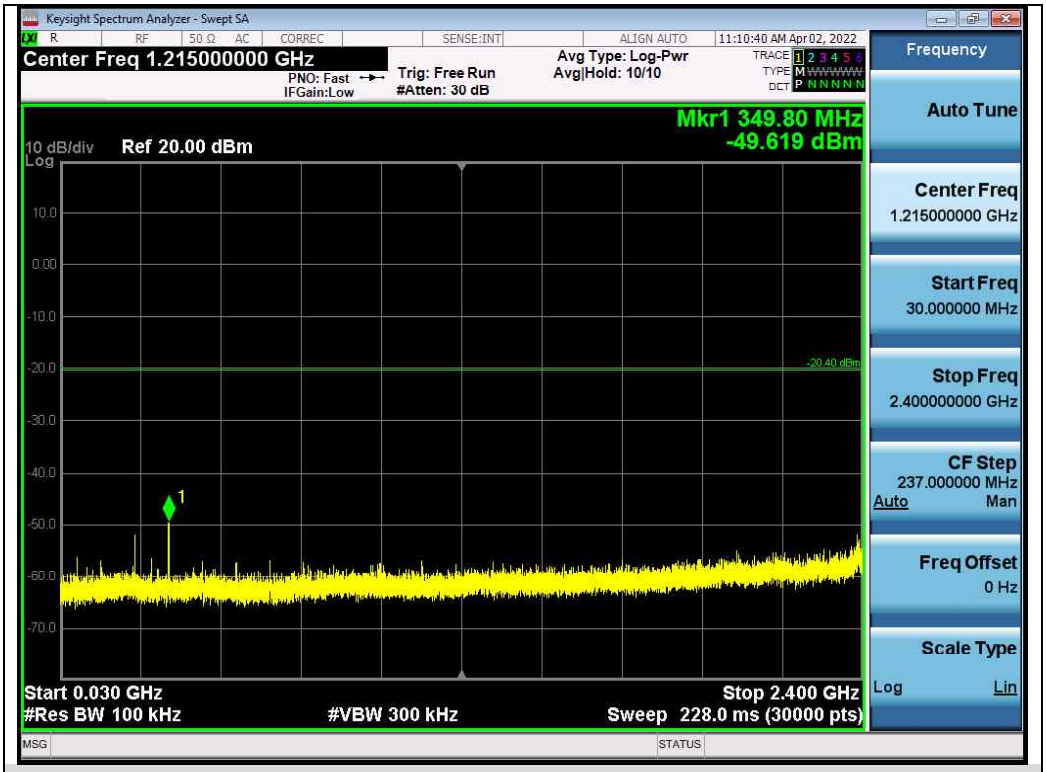
Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Emissions

Test_Graph_802.11n20_ANT1_2412_MCS0_Higher Band Emissions



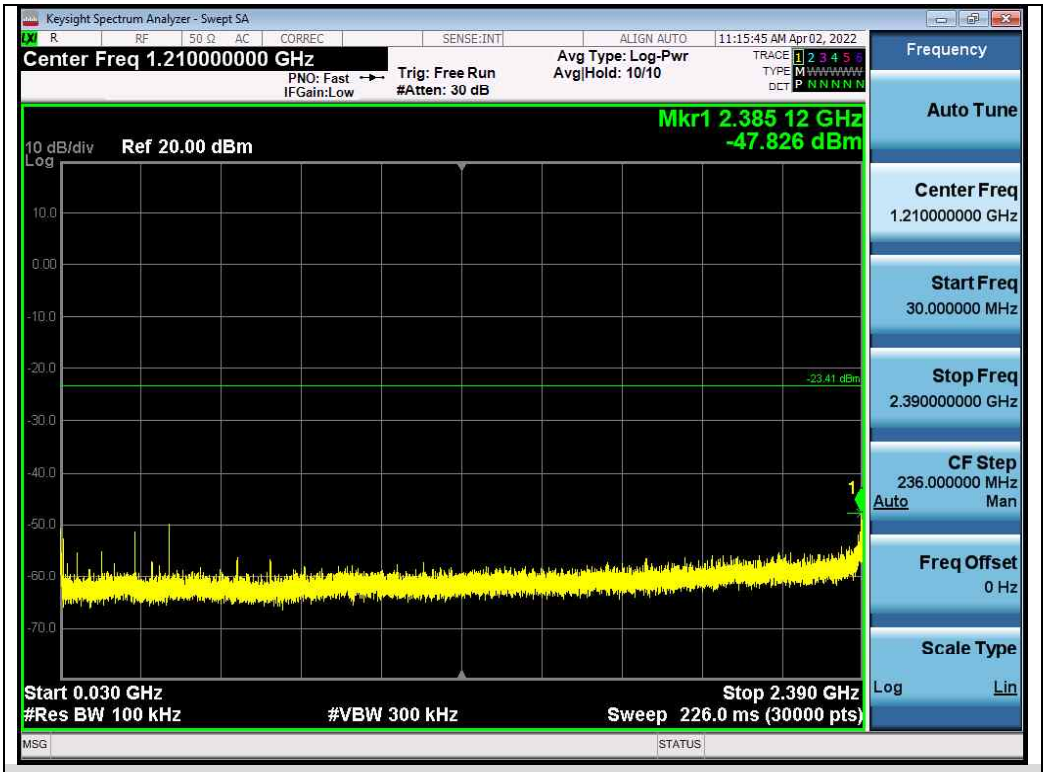
Test_Graph_802.11n20_ANT1_2437_MCS0_Lower Band Emissions

Test_Graph_802.11n20_ANT1_2437_MCS0_Higher Band Emissions



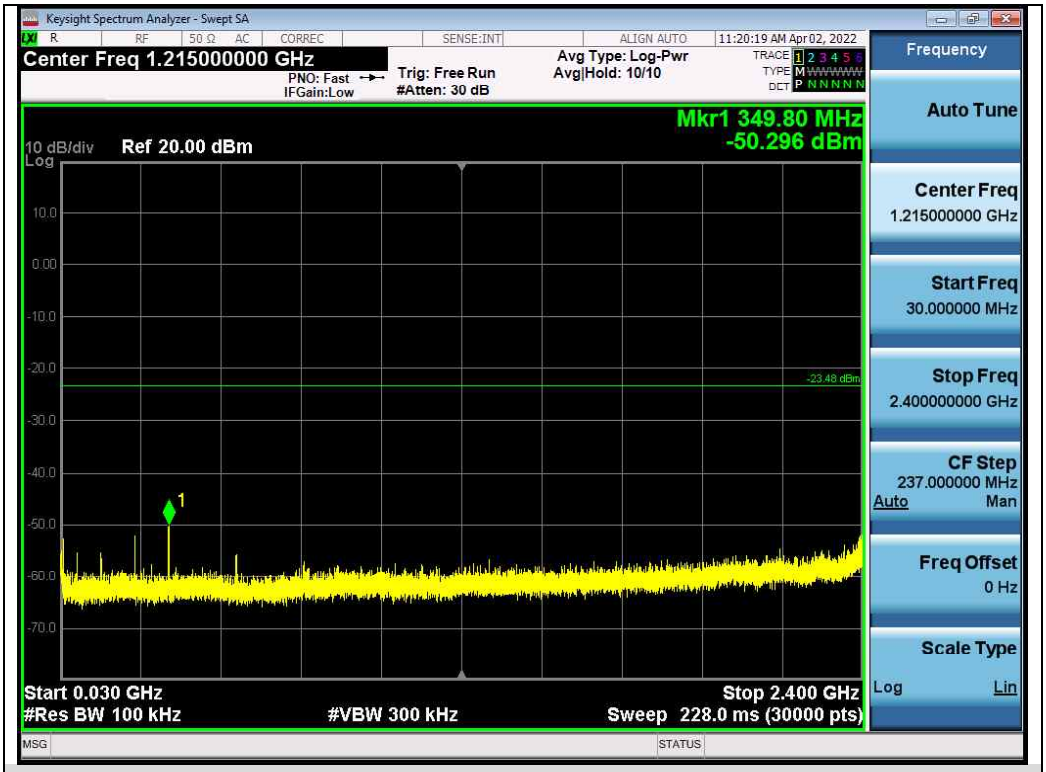
Test_Graph_802.11n20_ANT1_2462_MCS0_Lower Band Emissions

Test_Graph_802.11n20_ANT1_2462_MCS0_Higher Band Emissions



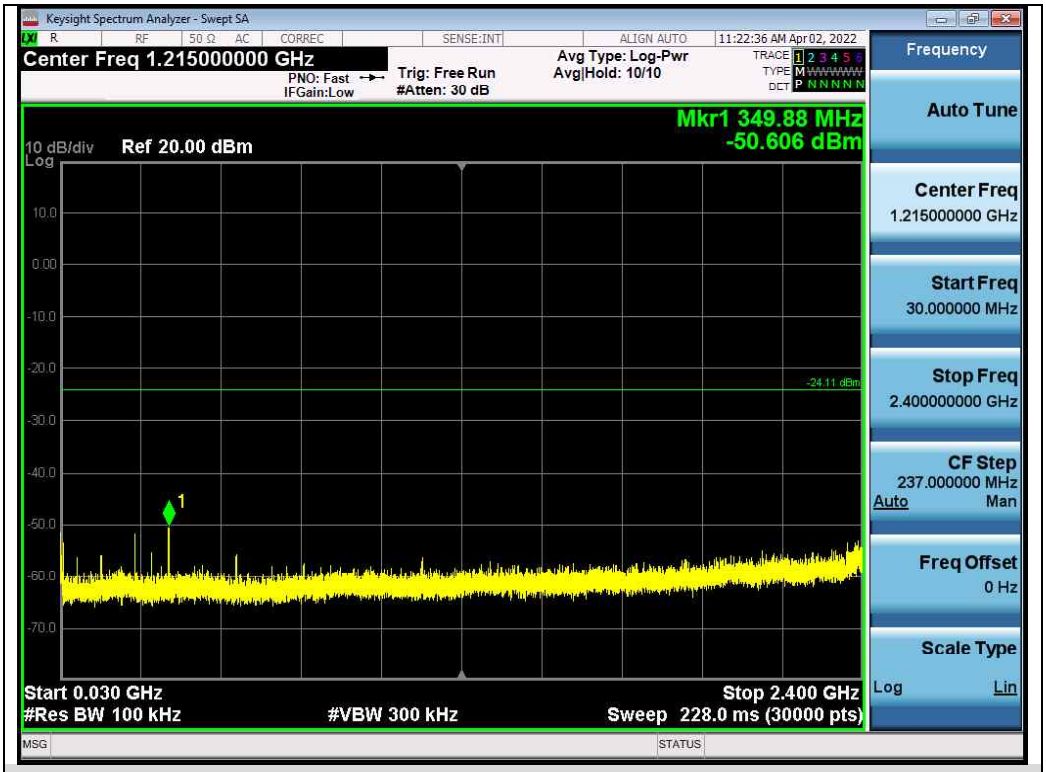
Test_Graph_802.11n40_ANT1_2422_MCS0_Lower Band Emissions

Test_Graph_802.11n40_ANT1_2422_MCS0_Higher Band Emissions



Test_Graph_802.11n40_ANT1_2437_MCS0_Lower Band Emissions

Test_Graph_802.11n40_ANT1_2437_MCS0_Higher Band Emissions



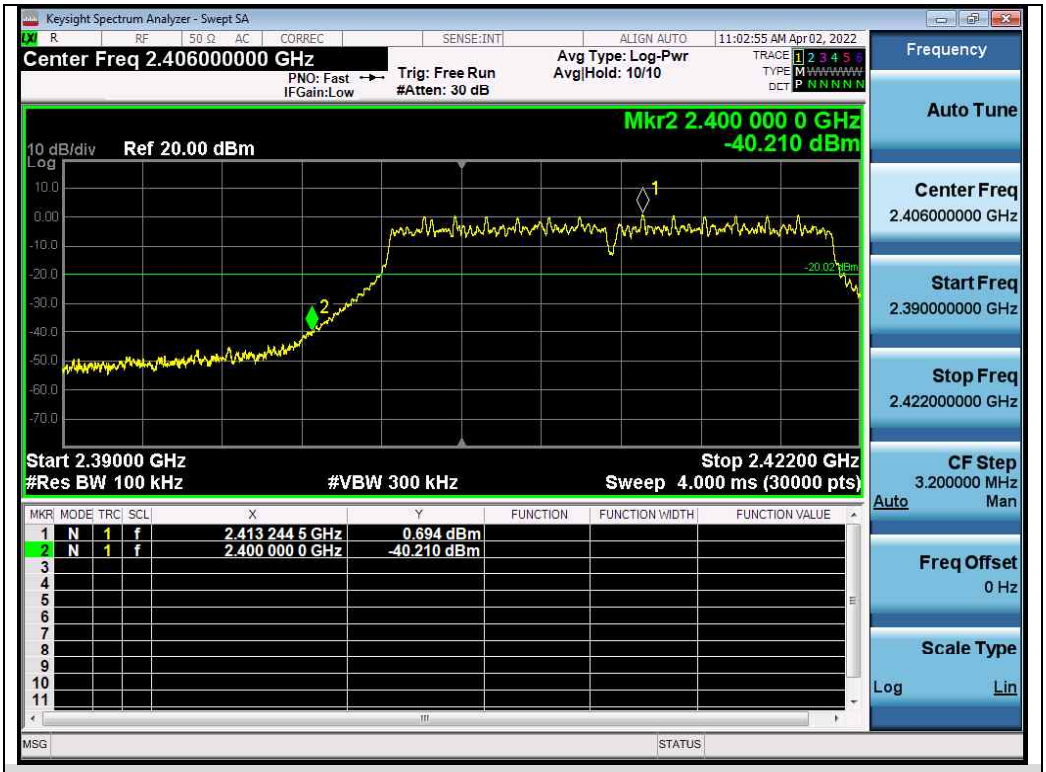
Test_Graph_802.11n40_ANT1_2452_MCS0_Lower Band Emissions

Test_Graph_802.11n40_ANT1_2452_MCS0_Higher Band Emissions

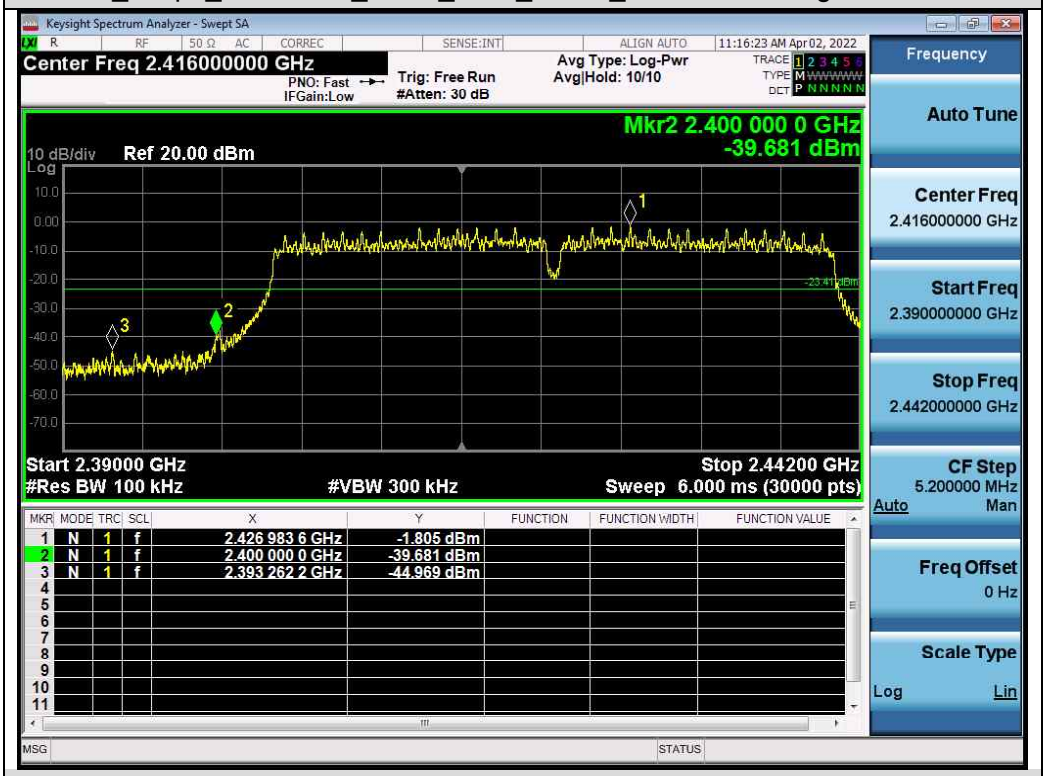
Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Edge Emissions

Test_Graph_802.11g_ANT1_2412_6Mbps_Lower Band Edge Emissions



Test_Graph_802.11n20_ANT1_2412_MCS0_Lower Band Edge Emissions



Test_Graph_802.11n40_ANT1_2422_MCS0_Lower Band Edge Emissions

Note: Emissions from 2483.5-2500MHz which fall in the restricted bands had been considered with the radiated emission limits specified.

10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1 MEASUREMENT PROCEDURE

(1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator

(2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.

(3). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the ANSI C63.10 (2013) item 11.10 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

10.3 MEASUREMENT EQUIPMENT USED

Refer to Section 6.

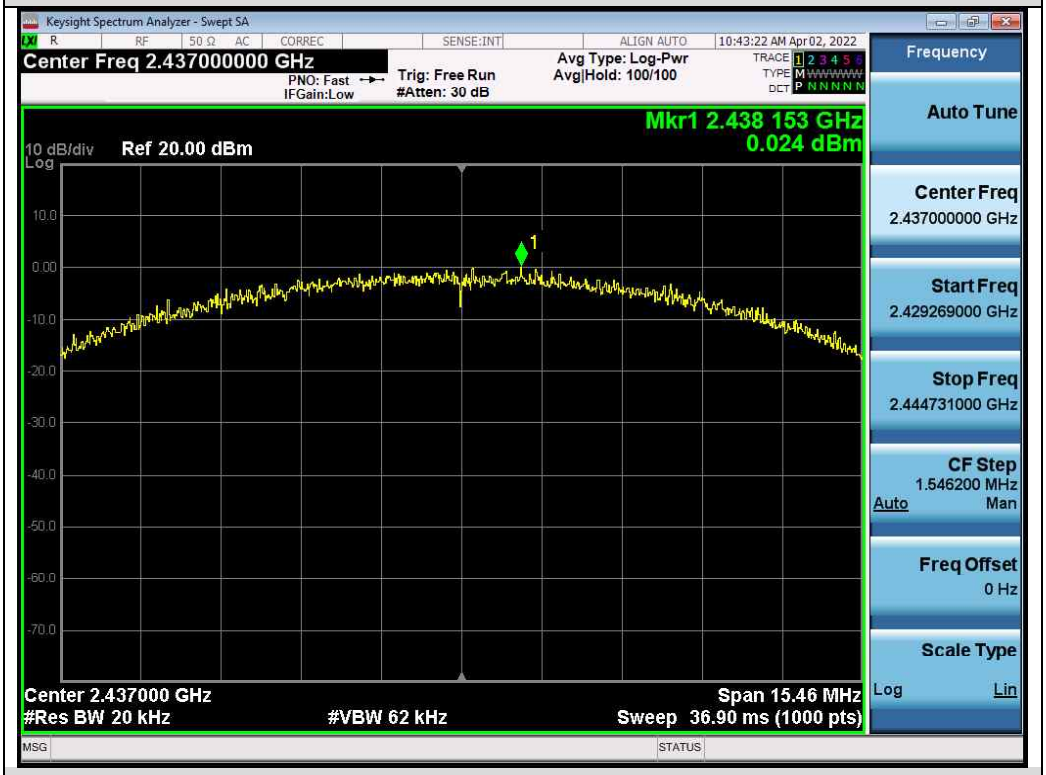
10.4 LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Spectral Density					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	-0.654	-8.893	≤8	Pass
	2437	0.024	-8.215	≤8	Pass
	2462	-0.812	-9.051	≤8	Pass
802.11g	2412	-4.286	-12.525	≤8	Pass
	2437	-4.106	-12.345	≤8	Pass
	2462	-4.425	-12.664	≤8	Pass
802.11n20	2412	-5.792	-14.031	≤8	Pass
	2437	-5.727	-13.966	≤8	Pass
	2462	-6.130	-14.369	≤8	Pass
802.11n40	2422	-8.416	-16.655	≤8	Pass
	2437	-8.238	-16.477	≤8	Pass
	2452	-8.967	-17.206	≤8	Pass

Note: Power density(dBm/3kHz) = Power density(dBm/20kHz) – 10*log(20/3).

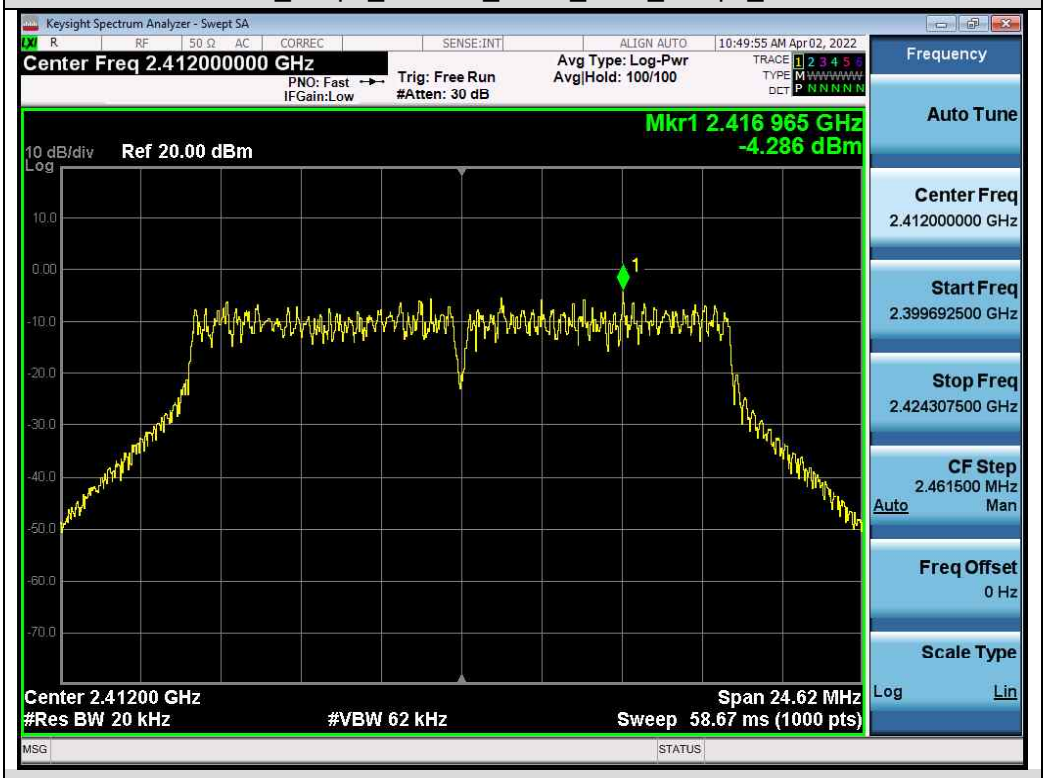
Test Graphs of Conducted Output Power Spectral Density

Test_Graph_802.11b_ANT1_2412_1Mbps_PSD

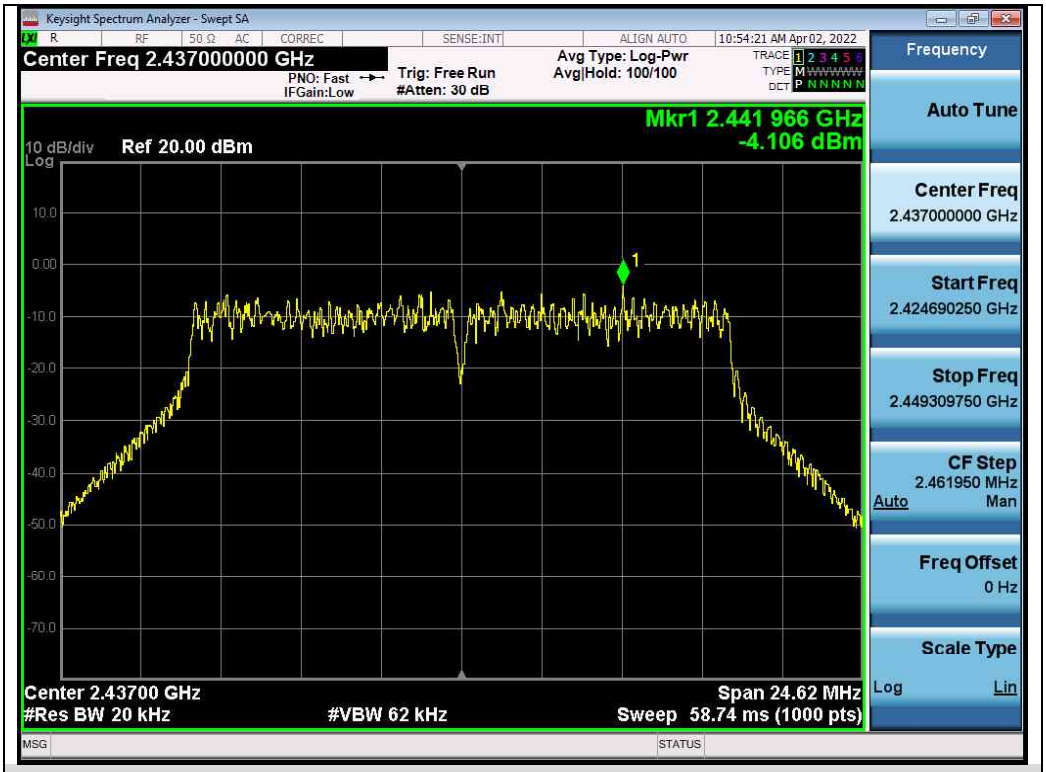


Test_Graph_802.11b_ANT1_2437_1Mbps_PSD

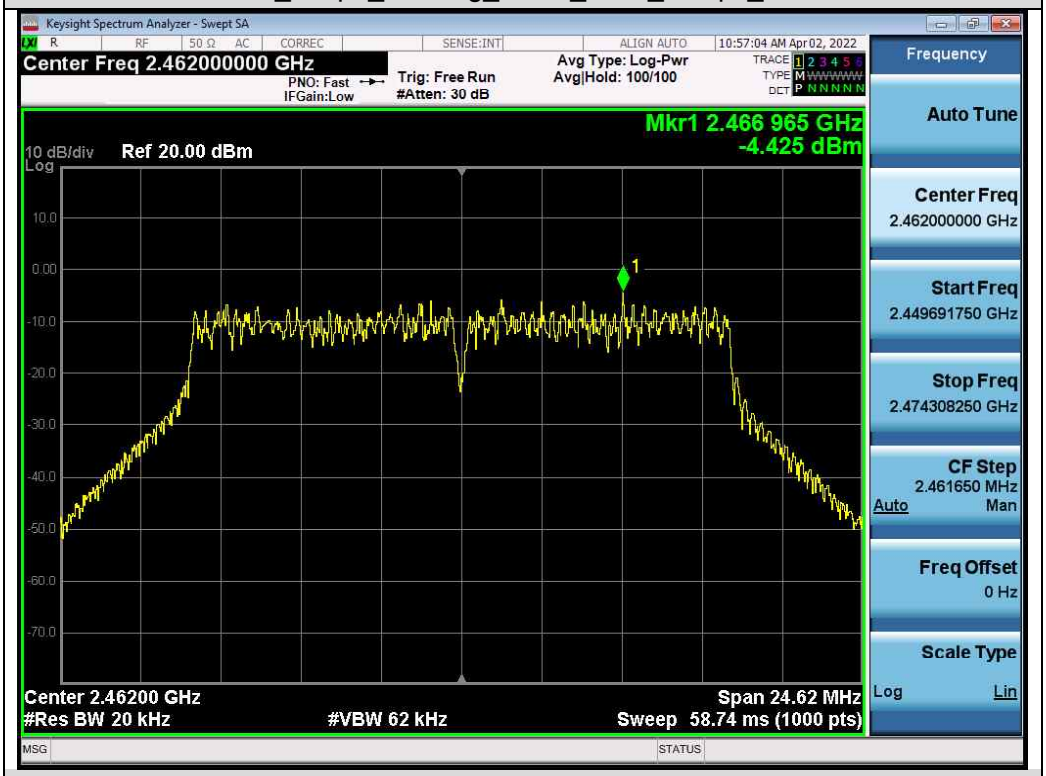
Test_Graph_802.11b_ANT1_2462_1Mbps_PSD



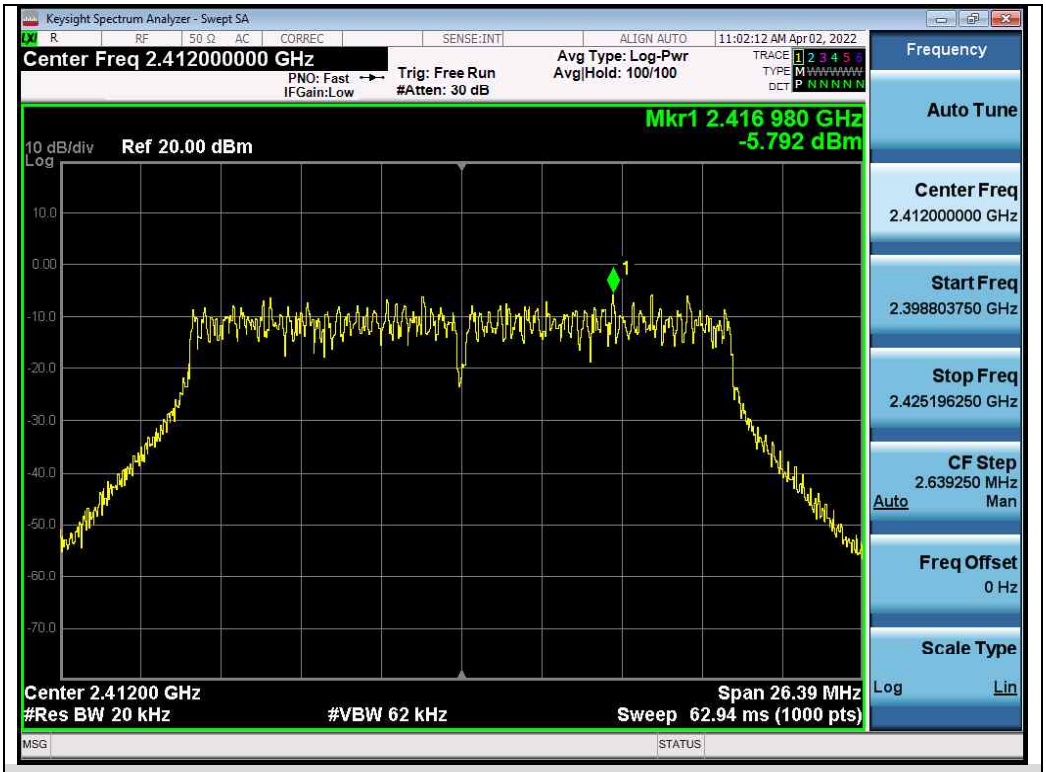
Test_Graph_802.11g_ANT1_2412_6Mbps_PSD



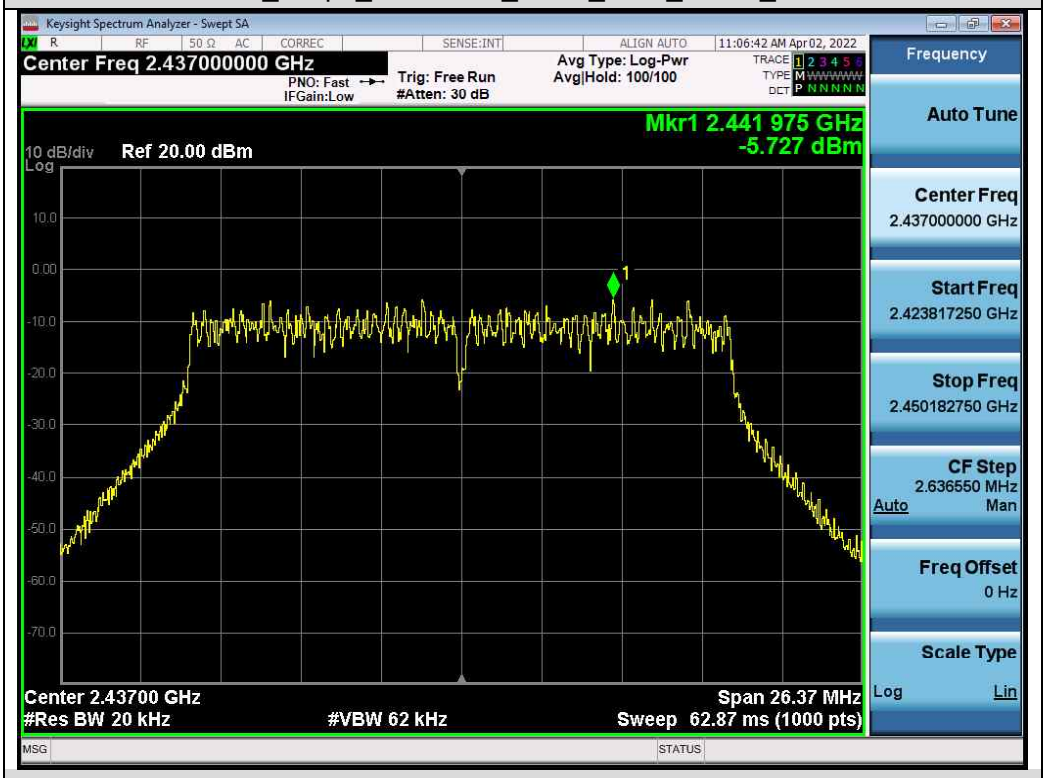
Test_Graph_802.11g_ANT1_2437_6Mbps_PSD



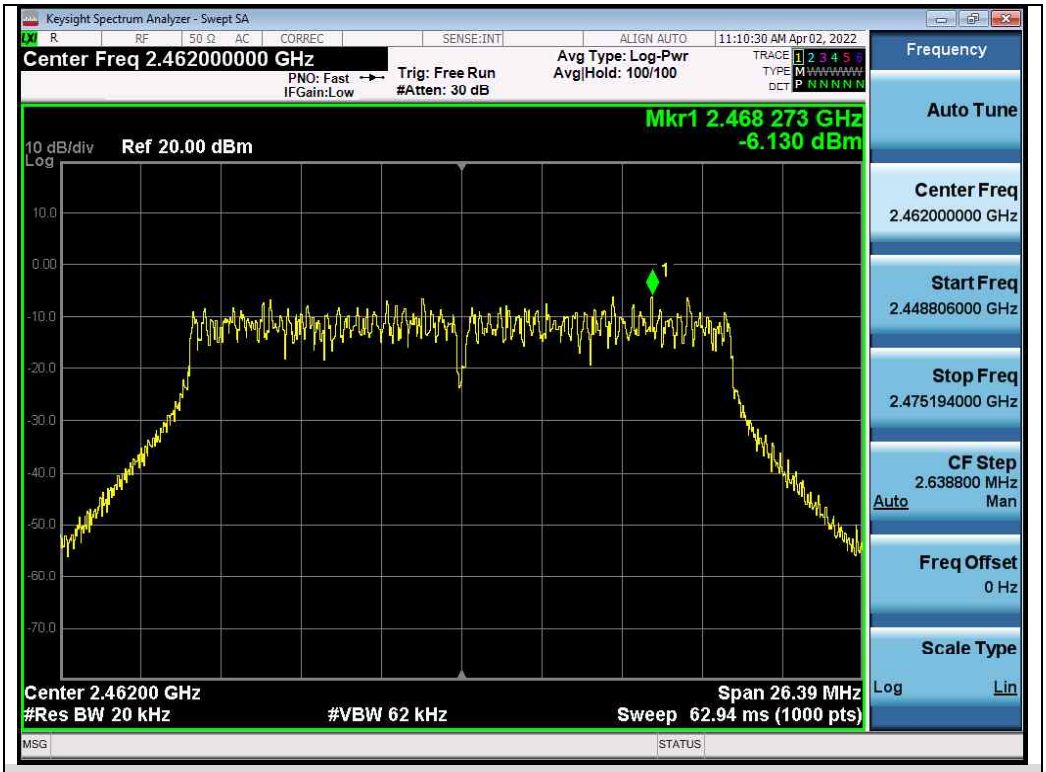
Test_Graph_802.11g_ANT1_2462_6Mbps_PSD



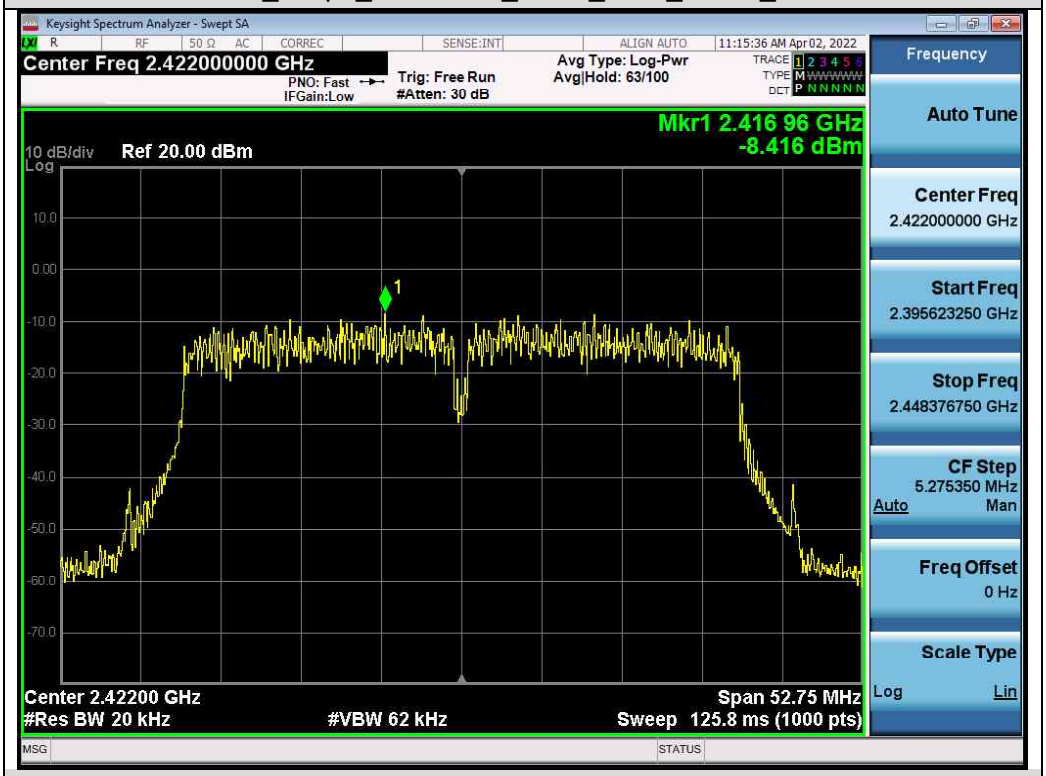
Test_Graph_802.11n20_ANT1_2412_MCS0_PSD



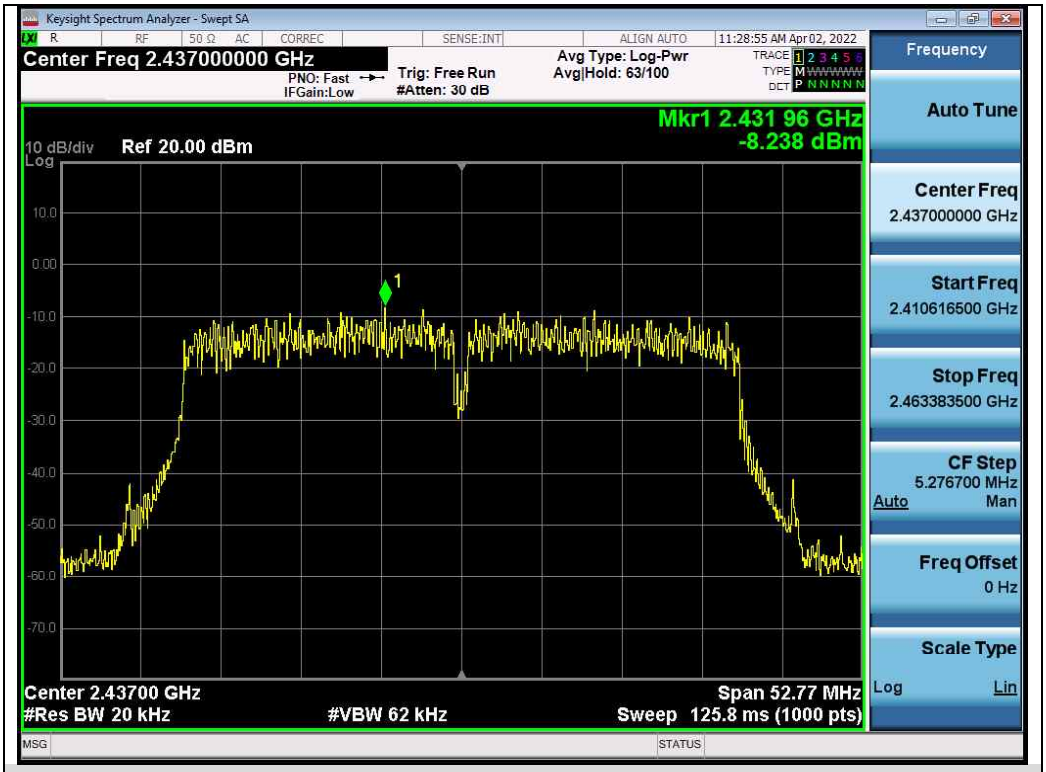
Test_Graph_802.11n20_ANT1_2437_MCS0_PSD



Test_Graph_802.11n20_ANT1_2462_MCS0_PSD



Test_Graph_802.11n40_ANT1_2422_MCS0_PSD



Test_Graph_802.11n40_ANT1_2437_MCS0_PSD

Test_Graph_802.11n40_ANT1_2452_MCS0_PSD