

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Wearable Breast Pump

Trade Mark: momcozy

Test Model: BP334

FCC ID: 2BENK-BP334V

Environmental Conditions

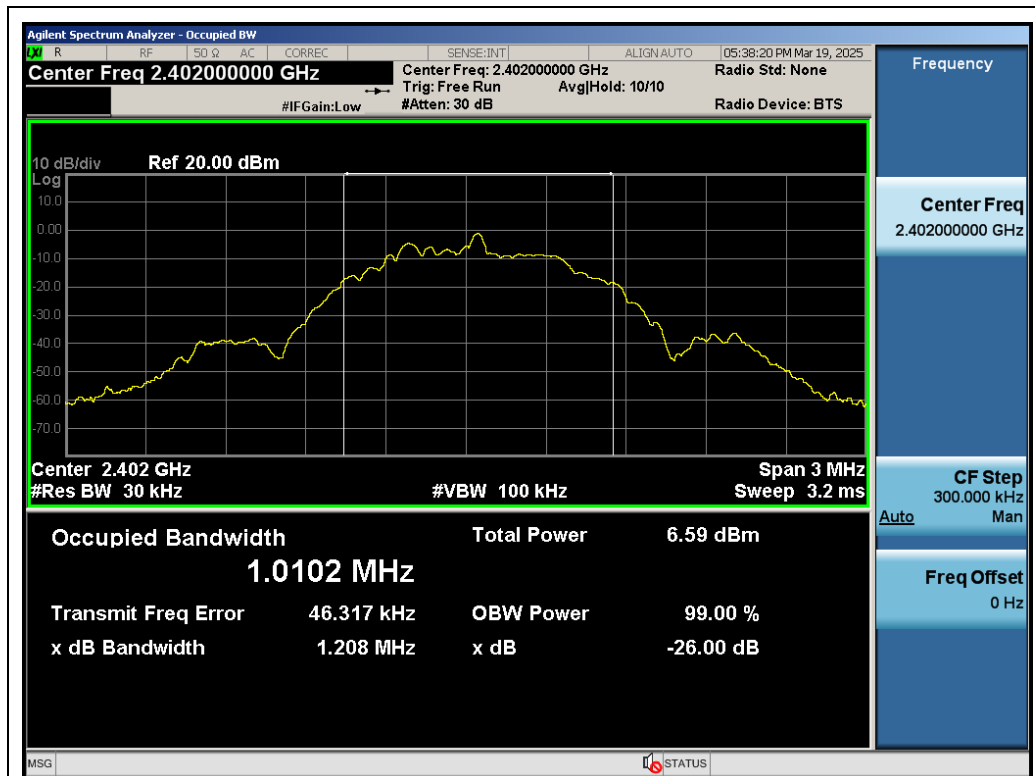
Temperature:	27.1°C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth & Occupied Channel Bandwidth

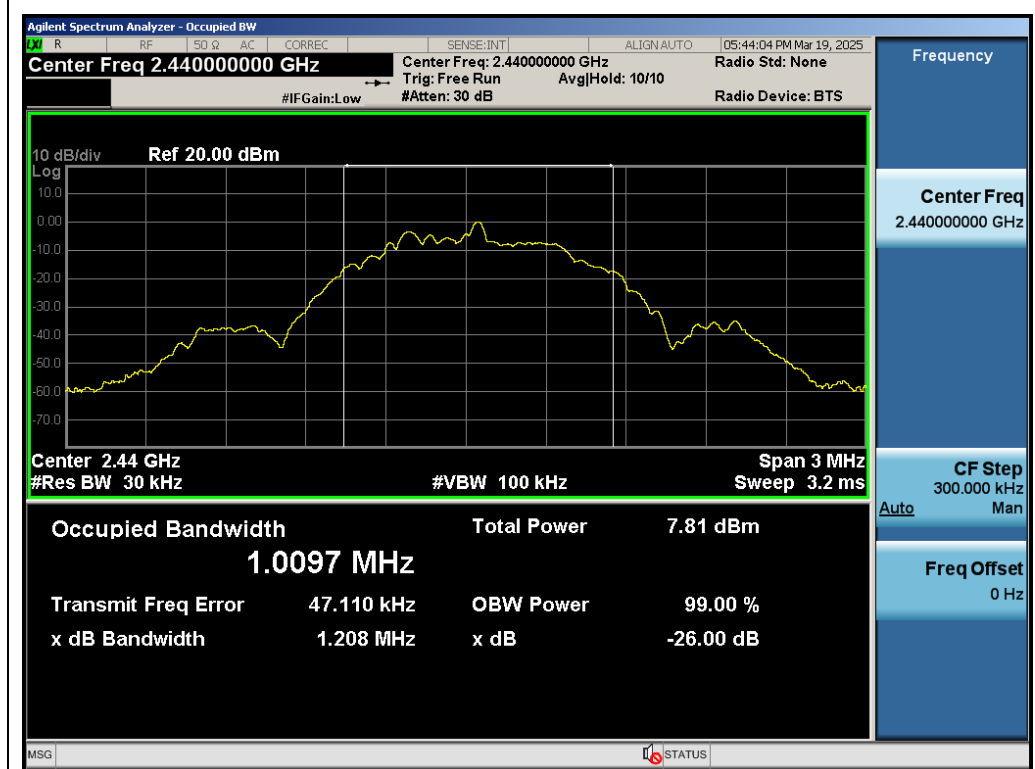
Test Result

Test Mode	Test Frequency	Occupied Bandwidth (MHz)	DTS BW (MHz)	DTS BW Limits	Pass or Fail
GFSK_1Mbps	2402	1.010	0.657	≥ 0.5	Pass
	2440	1.010	0.656	≥ 0.5	Pass
	2480	1.009	0.662	≥ 0.5	Pass

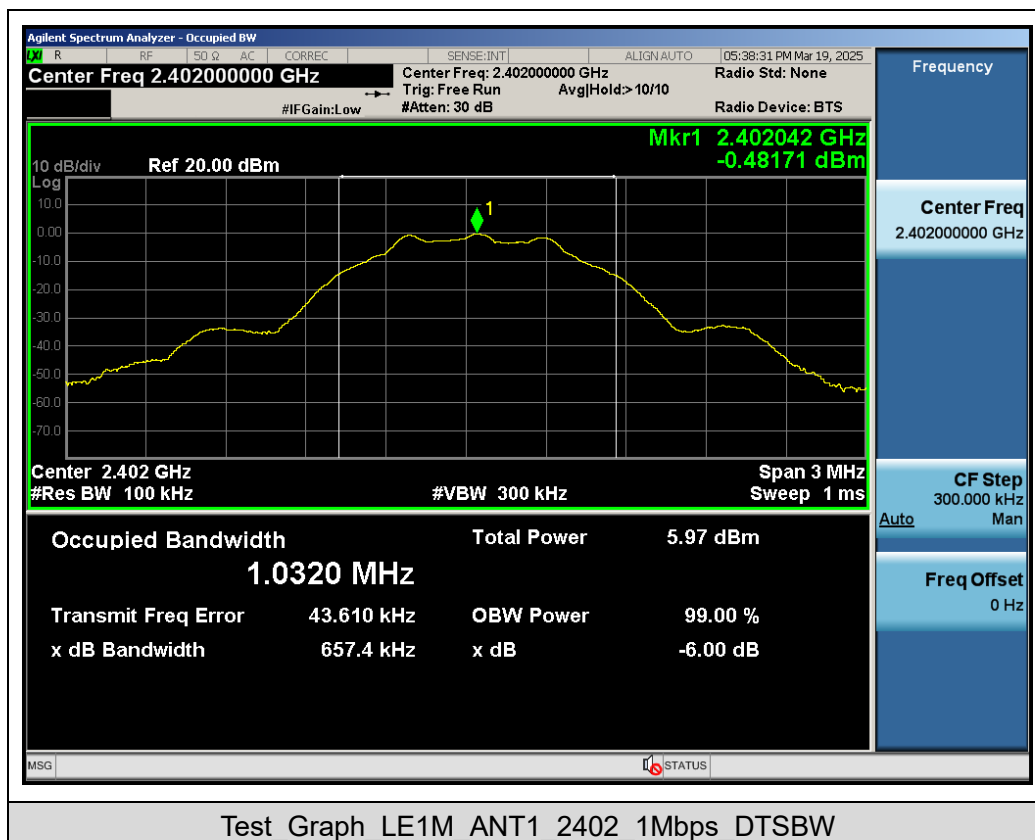
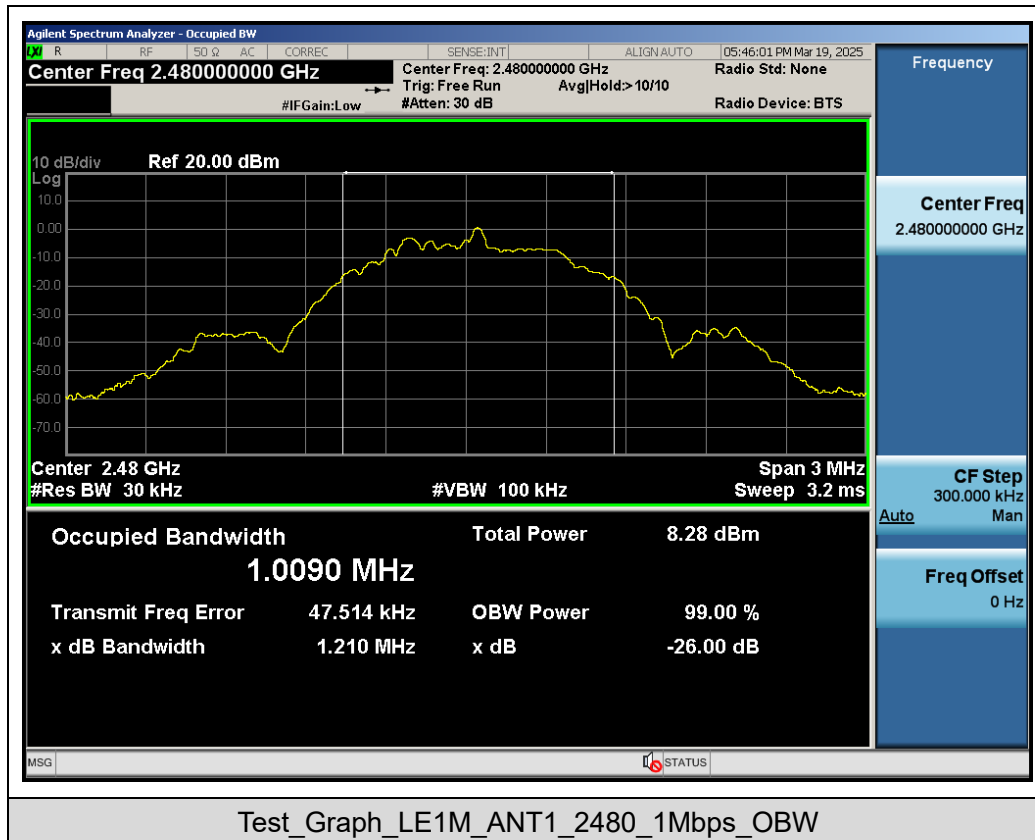
Test Graphs

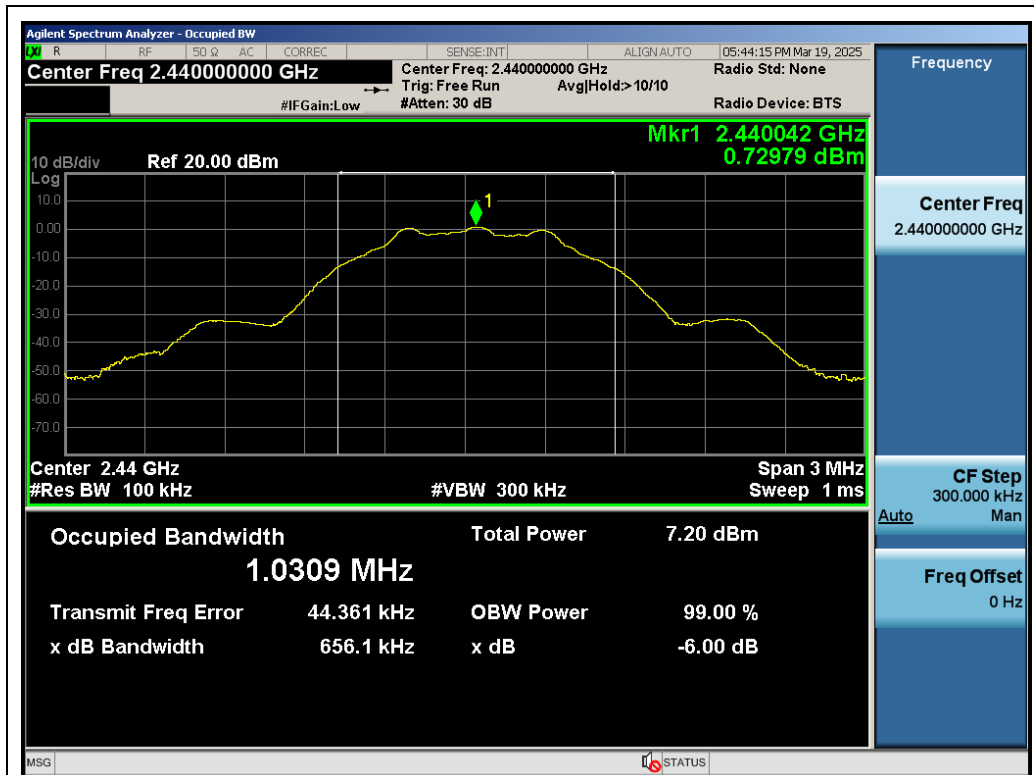


Test_Graph_LE1M_ANT1_2402_1Mbps_OBW

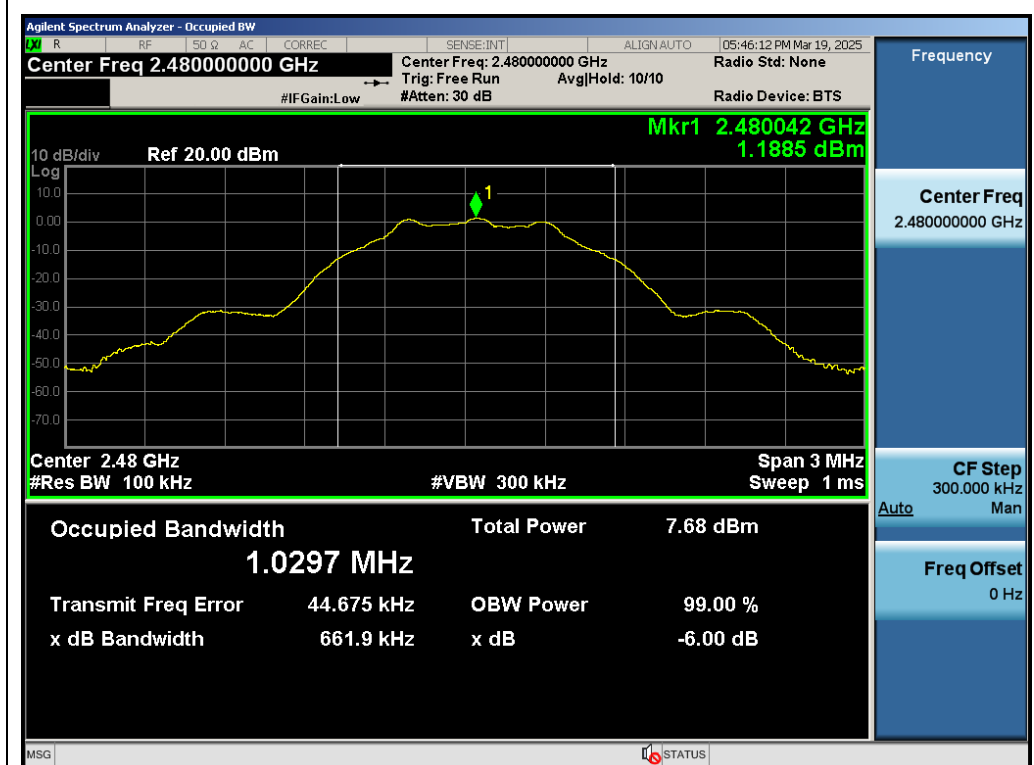


Test_Graph_LE1M_ANT1_2440_1Mbps_OBW





Test_Graph_LE1M_ANT1_2440_1Mbps_DTSBW



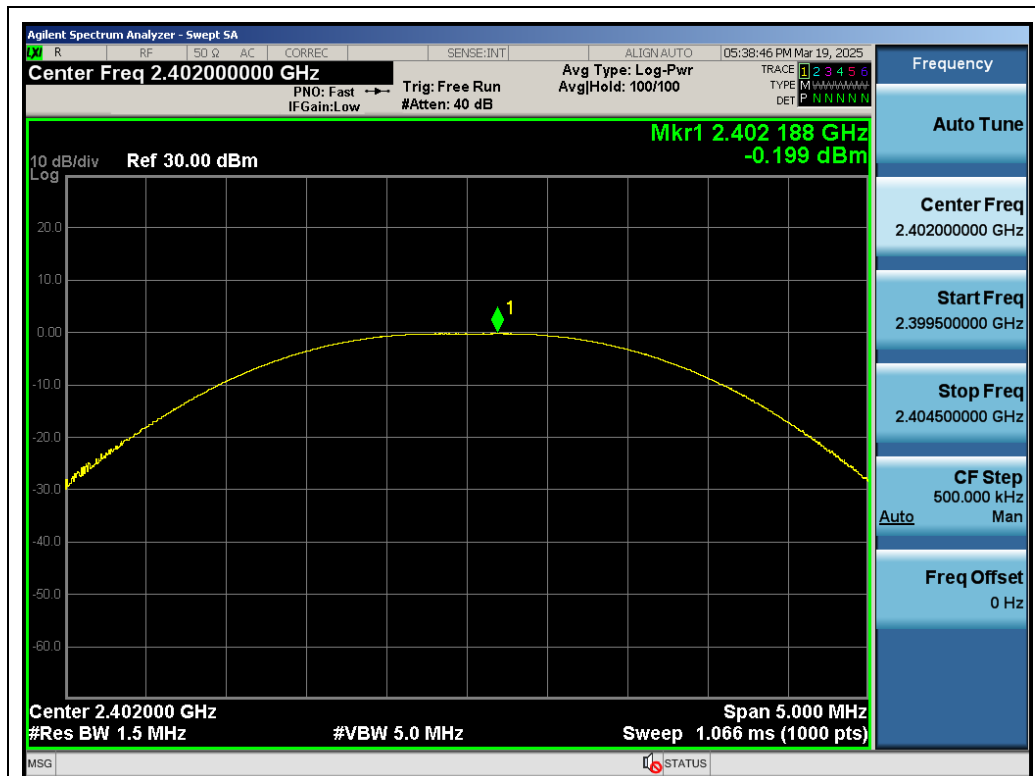
Test_Graph_LE1M_ANT1_2480_1Mbps_DTSBW

Appendix B: Maximum peak conducted output power

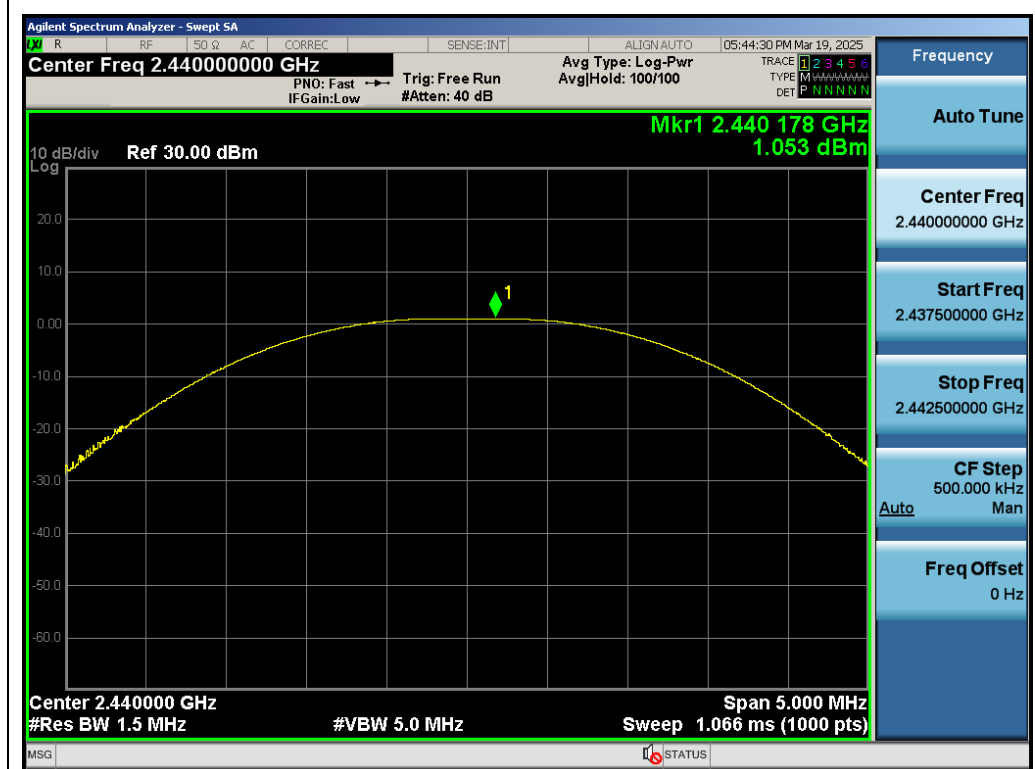
Test Result Peak

Test Mode	Test Frequency (MHz)	Peak Power (dBm)	Limits (dBm)	Pass or Fail
GFSK_1Mbps	2402	-0.199	≤ 30	Pass
	2440	1.053	≤ 30	Pass
	2480	1.481	≤ 30	Pass

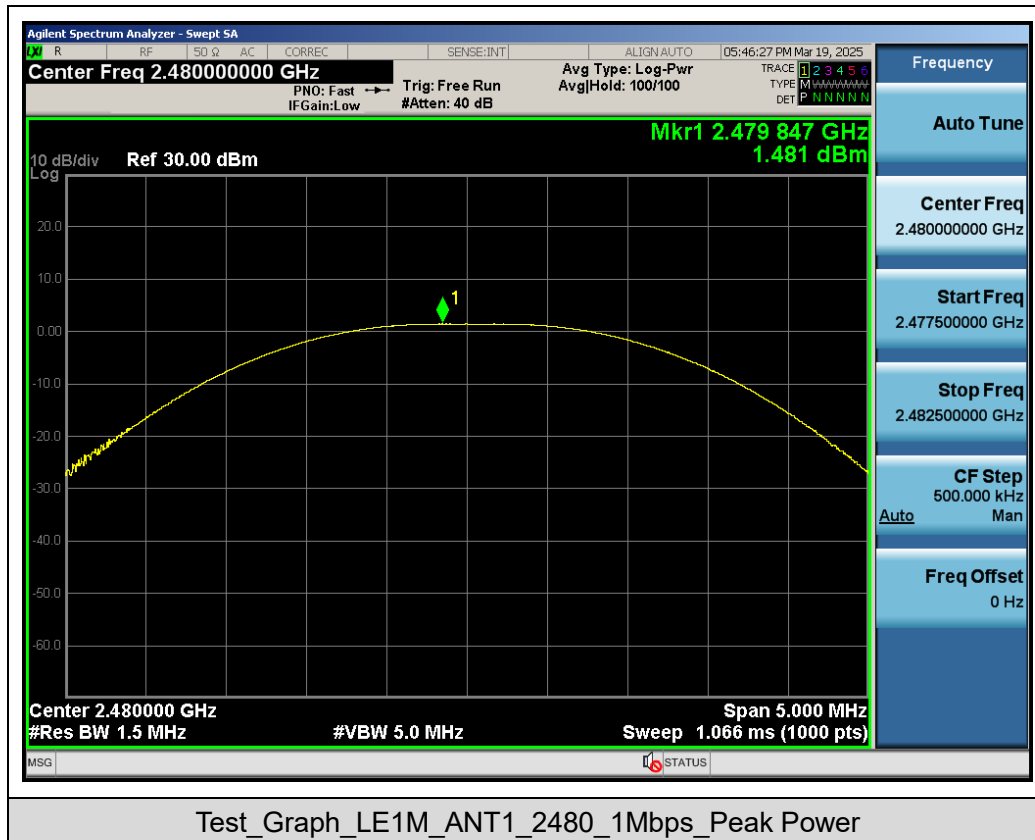
Test Graphs Peak



Test_Graph_LE1M_ANT1_2402_1Mbps_Peak Power



Test_Graph_LE1M_ANT1_2440_1Mbps_Peak Power

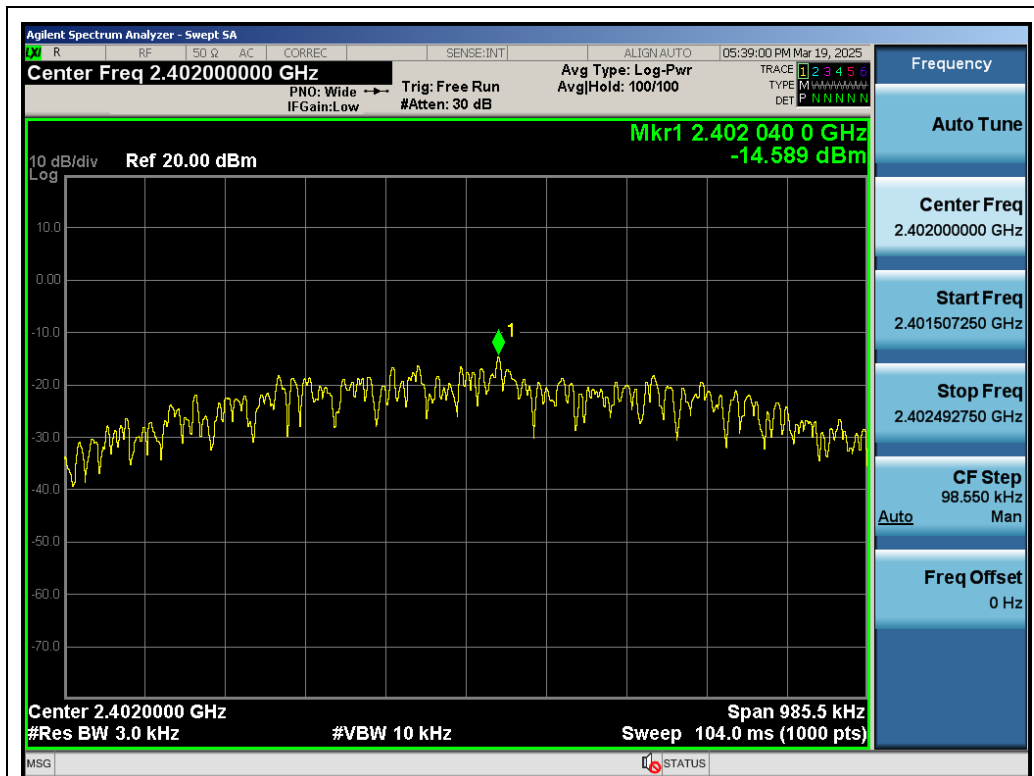


Appendix C: Maximum peak power spectral density

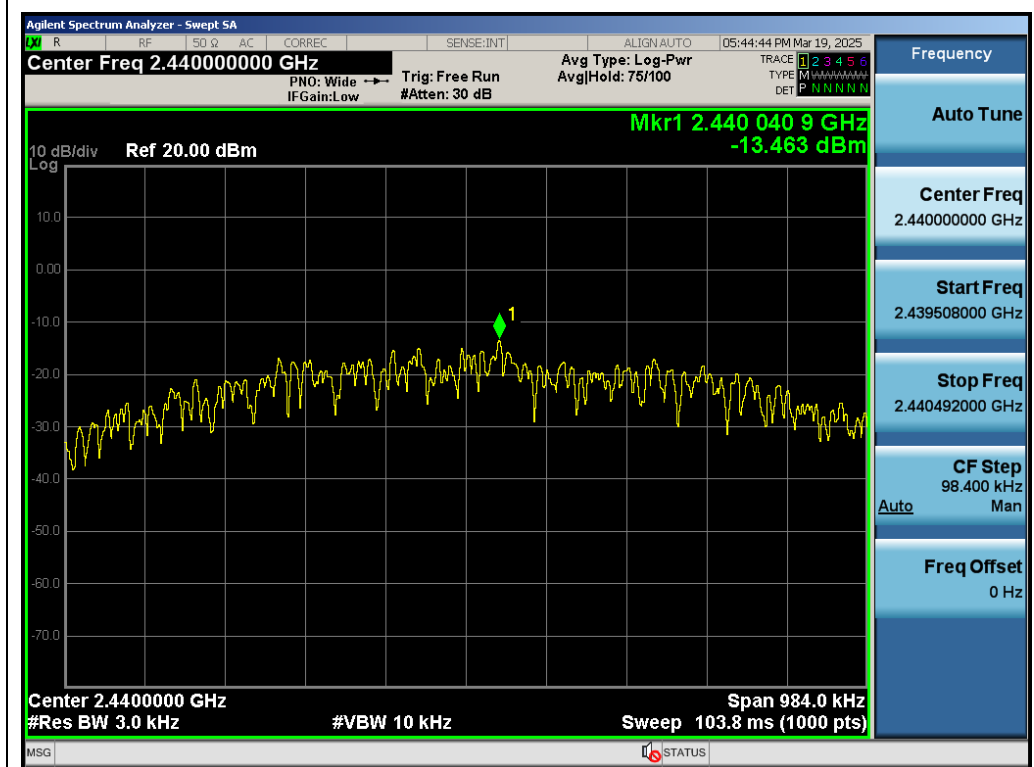
Test Result

Test Mode	Test Frequency (MHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
GFSK_1Mbps	2402	-14.589	≤ 8	Pass
	2440	-13.463	≤ 8	Pass
	2480	-12.956	≤ 8	Pass

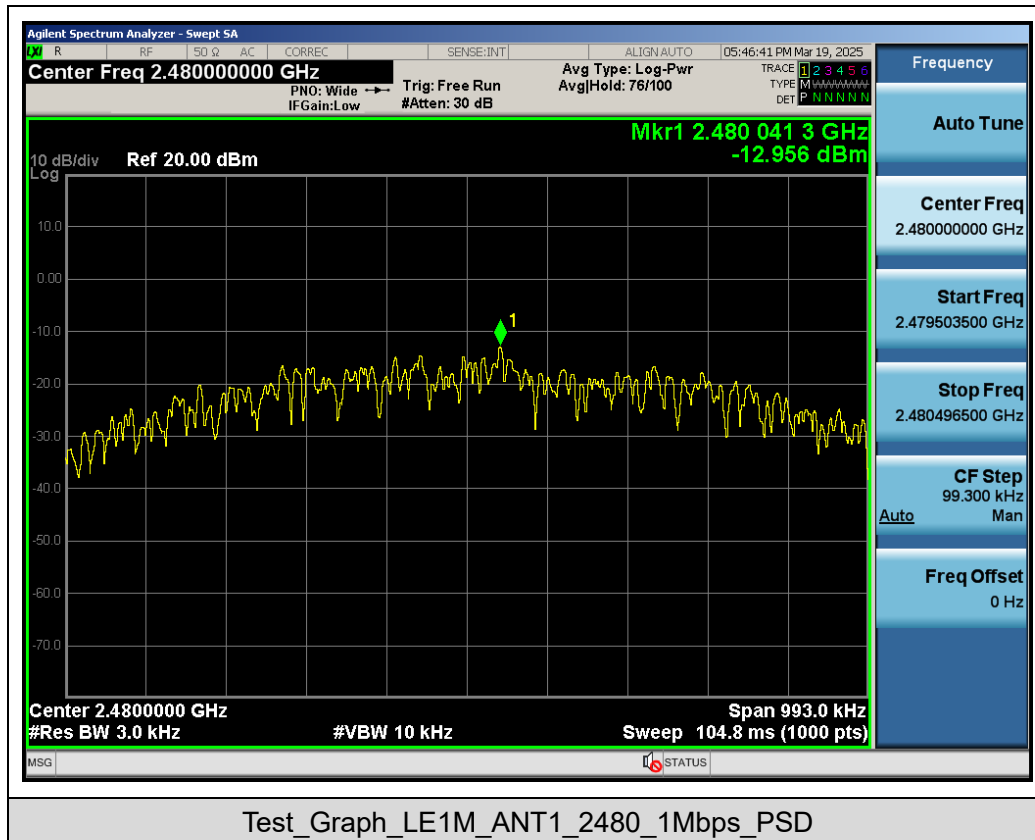
Test Graphs



Test_Graph_LE1M_ANT1_2402_1Mbps_PSD



Test_Graph_LE1M_ANT1_2440_1Mbps_PSD

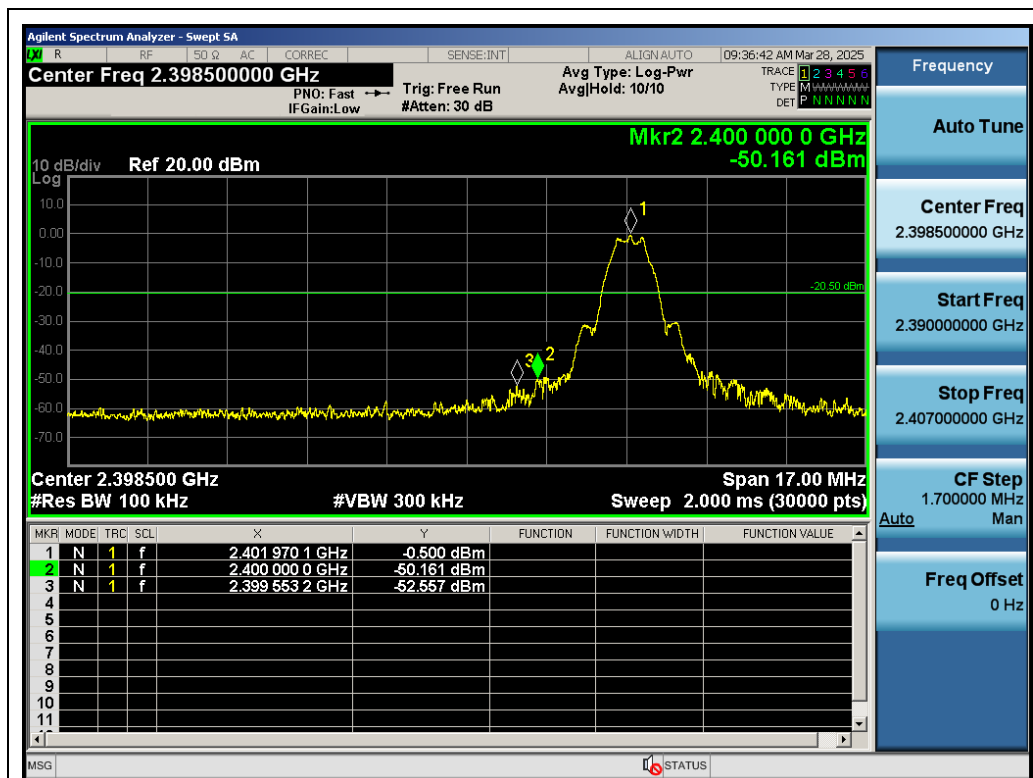


Appendix D: Band edge measurements

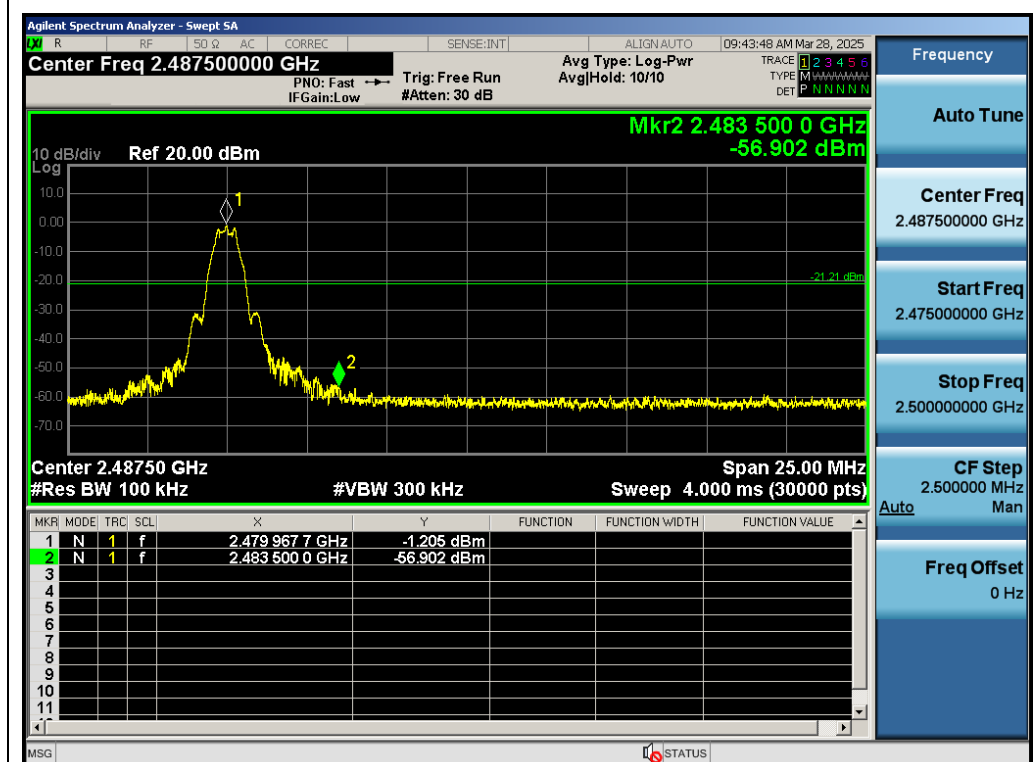
Test Result

Test Mode	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
GFSK_1Mbps	Low	2402	-0.500	-50.161	≤ -20.50	Pass
GFSK_1Mbps	High	2480	-1.205	-56.902	≤ -21.21	Pass

Test Graphs



Test_Graph_LE1M_ANT1_2402_1Mbps_Lower Band Edge Emissions



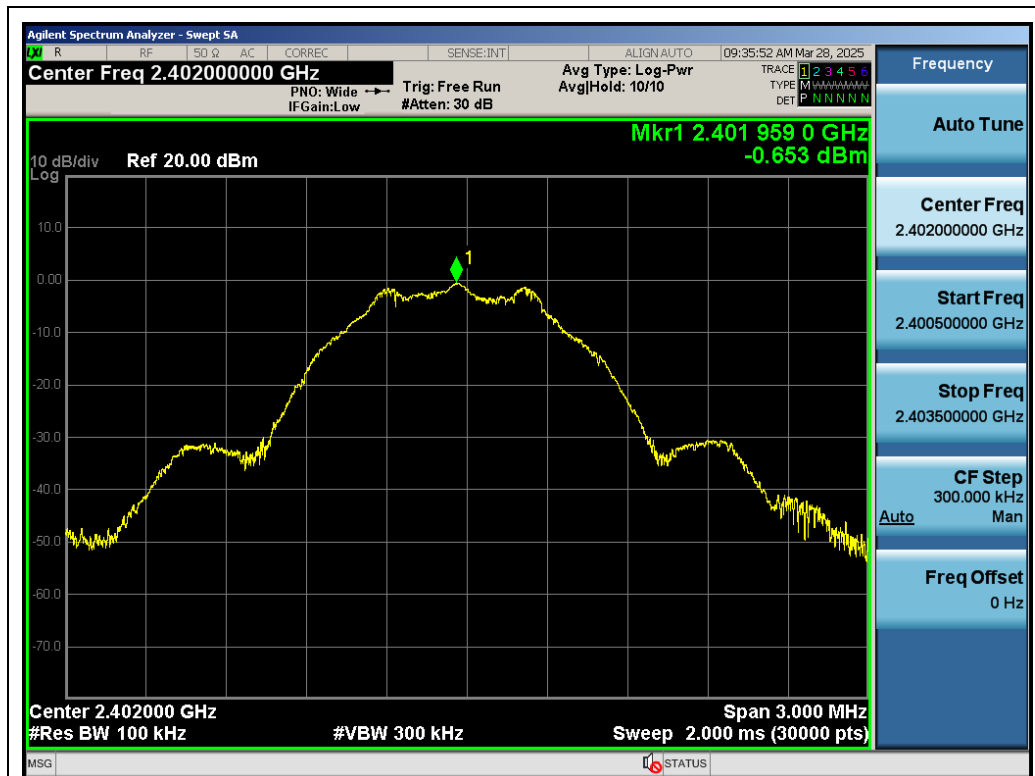
Test_Graph_LE1M_ANT1_2480_1Mbps_Higher Band Edge Emissions

Appendix E: Conducted Spurious Emission

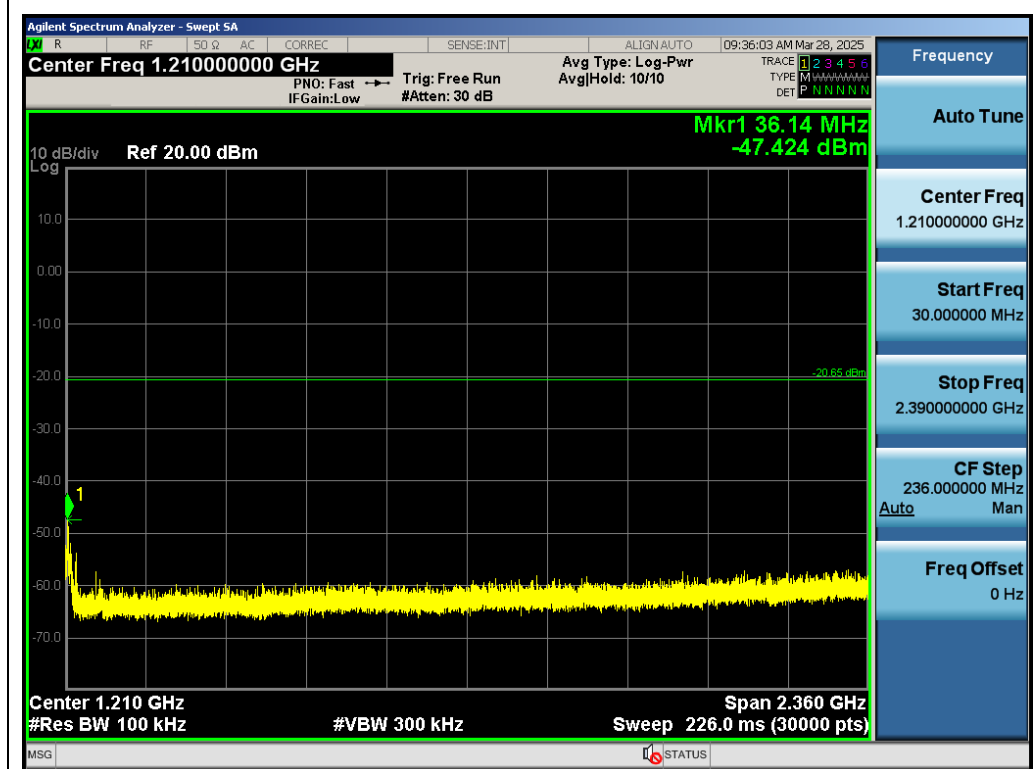
Test Result

Test Mode	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
GFSK_1Mbps	2402	0~Reference	-0.653	-0.653	---	Pass
GFSK_1Mbps	2402	30~2390	-0.653	-47.424	≤ -20.65	Pass
GFSK_1Mbps	2402	2483.5~25000	-0.653	-48.083	≤ -20.65	Pass
GFSK_1Mbps	2440	0~Reference	-0.981	-0.981	---	Pass
GFSK_1Mbps	2440	30~2400	-0.981	-56.166	≤ -20.98	Pass
GFSK_1Mbps	2440	2483.5~25000	-0.981	-48.940	≤ -20.98	Pass
GFSK_1Mbps	2480	0~Reference	-1.224	-1.224	---	Pass
GFSK_1Mbps	2480	30~2400	-1.224	-56.624	≤ -21.22	Pass
GFSK_1Mbps	2480	2500~26500	-1.224	-48.431	≤ -21.22	Pass

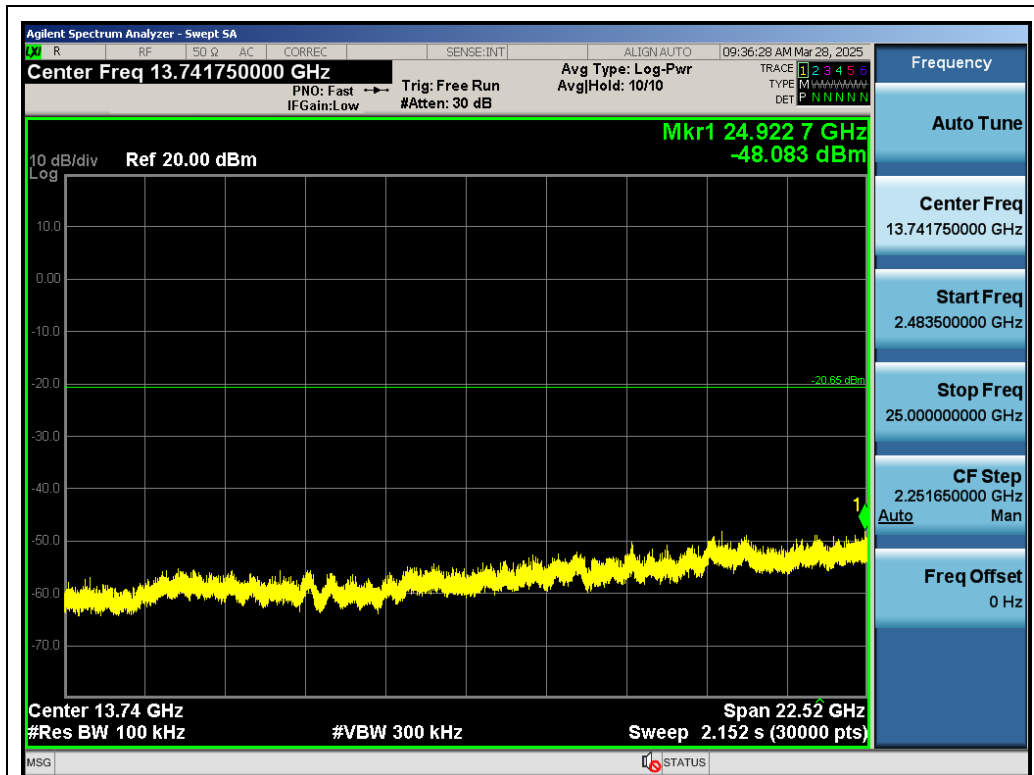
Test Graphs



Test_Graph_LE1M_ANT1_2402_1Mbps_Reference Level



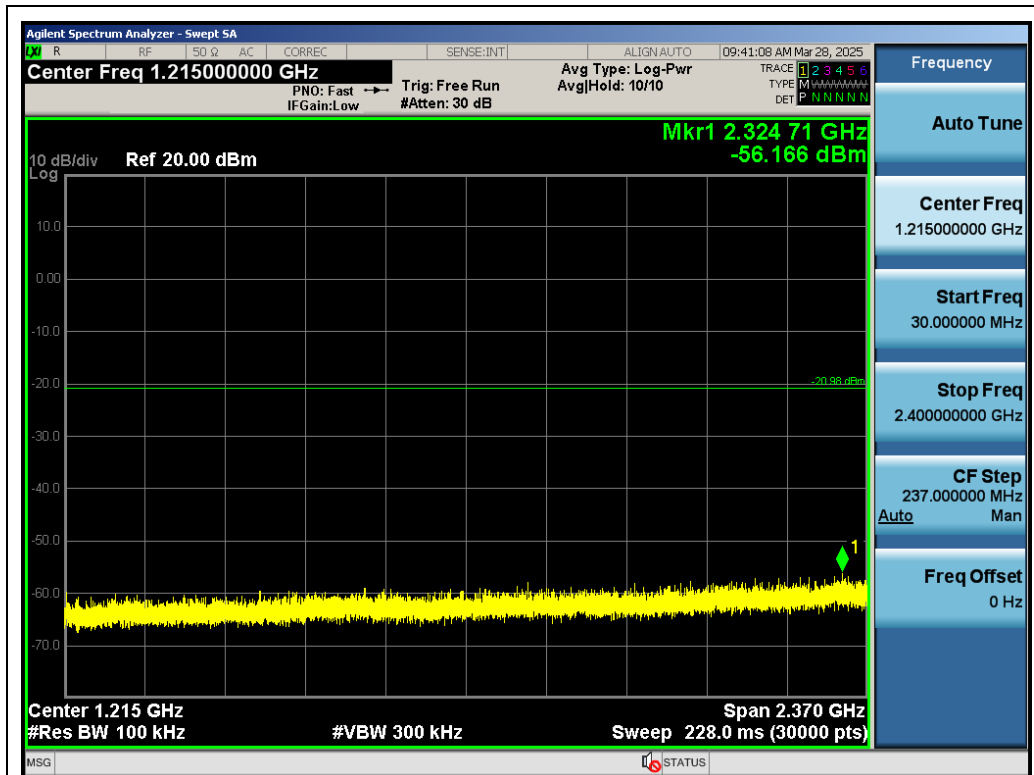
Test_Graph_LE1M_ANT1_2402_1Mbps_Lower Band Emissions



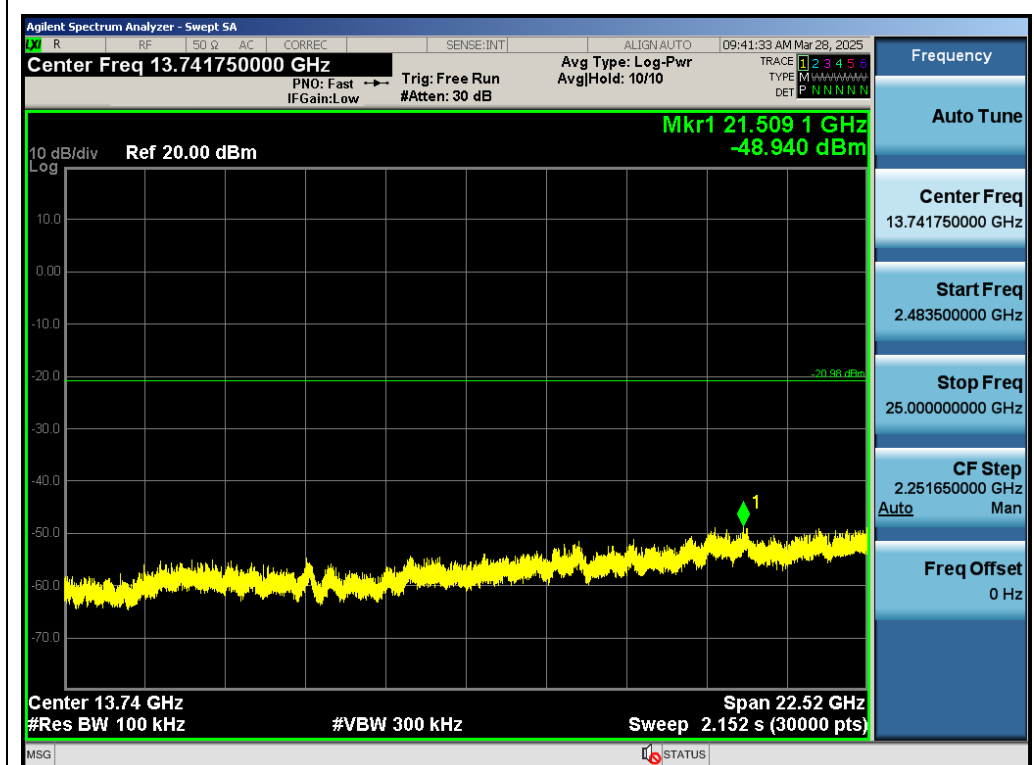
Test_Graph_LE1M_ANT1_2402_1Mbps_Higher Band Emissions



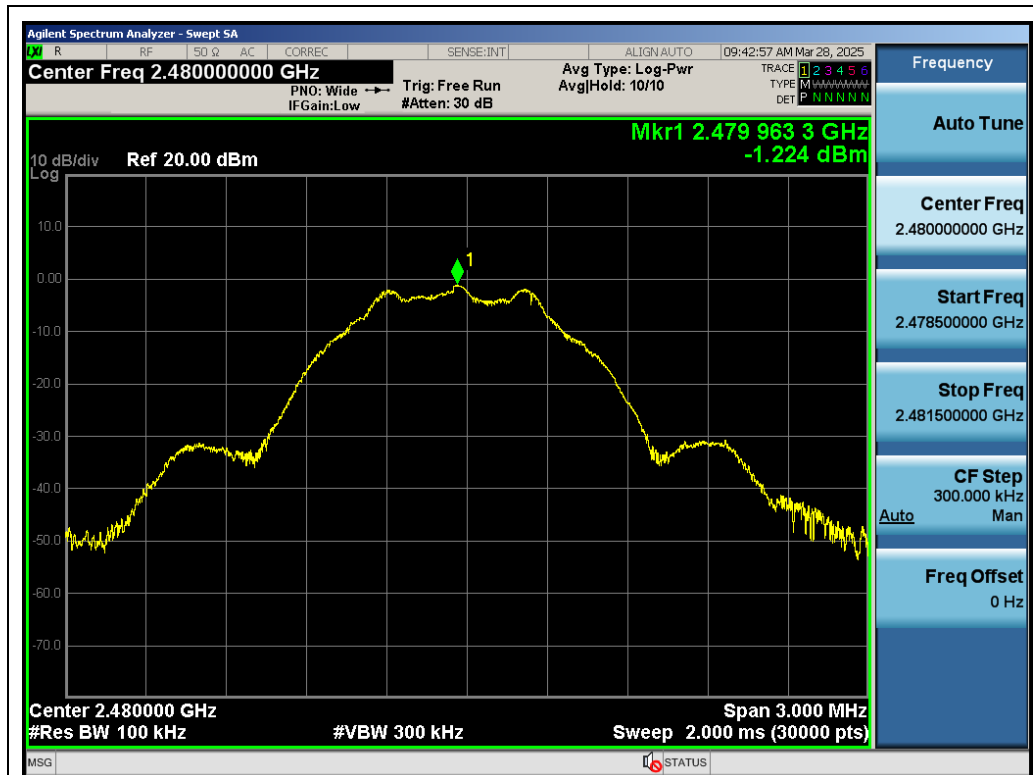
Test_Graph_LE1M_ANT1_2440_1Mbps_Reference Level



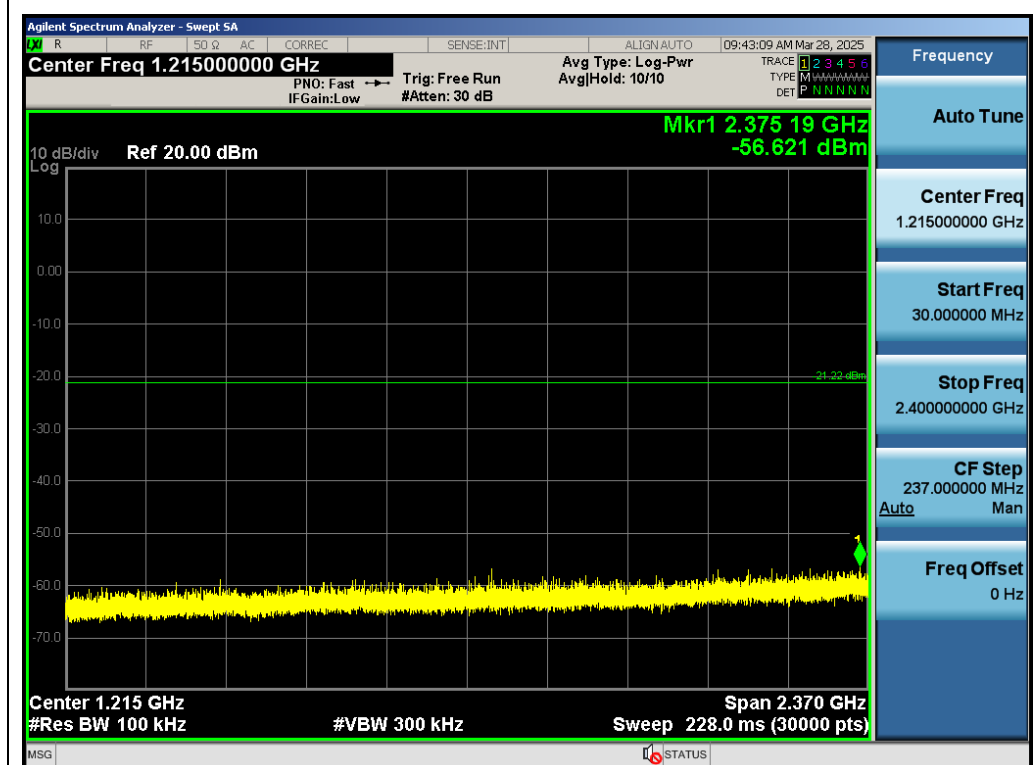
Test_Graph_LE1M_ANT1_2440_1Mbps_Lower Band Emissions



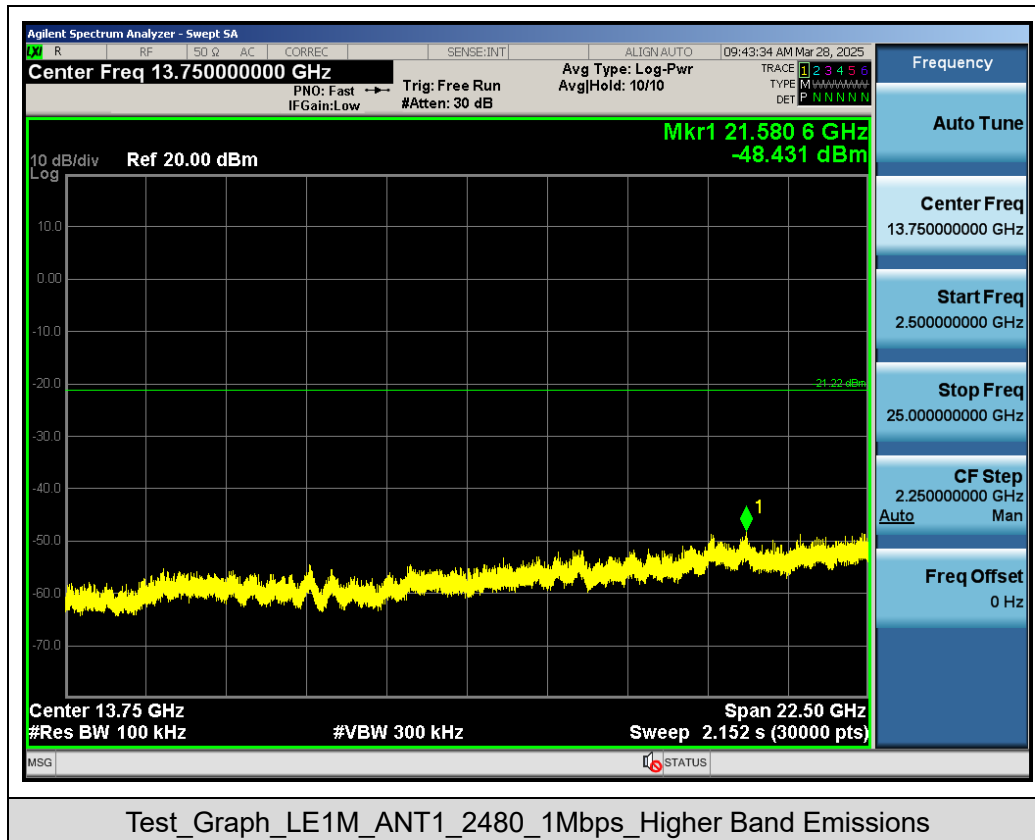
Test_Graph_LE1M_ANT1_2440_1Mbps_Higher Band Emissions



Test_Graph_LE1M_ANT1_2480_1Mbps_Reference Level



Test_Graph_LE1M_ANT1_2480_1Mbps_Lower Band Emissions



Appendix F: Duty Cycle

Test Result

Test Mode	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
GFSK_1Mbps	2402	0.416	0.625	66.57	1.77
GFSK_1Mbps	2440	0.415	0.625	66.38	1.78
GFSK_1Mbps	2480	0.416	0.625	66.57	1.77

Test Graphs

