

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.504	2401.620	2402.124	0.5	PASS
		2440	0.500	2439.620	2440.120	0.5	PASS
		2480	0.500	2479.620	2480.120	0.5	PASS
BLE_2M	Ant1	2402	0.868	2401.360	2402.228	0.5	PASS
		2440	0.868	2439.356	2440.224	0.5	PASS
		2480	0.864	2479.356	2480.220	0.5	PASS

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

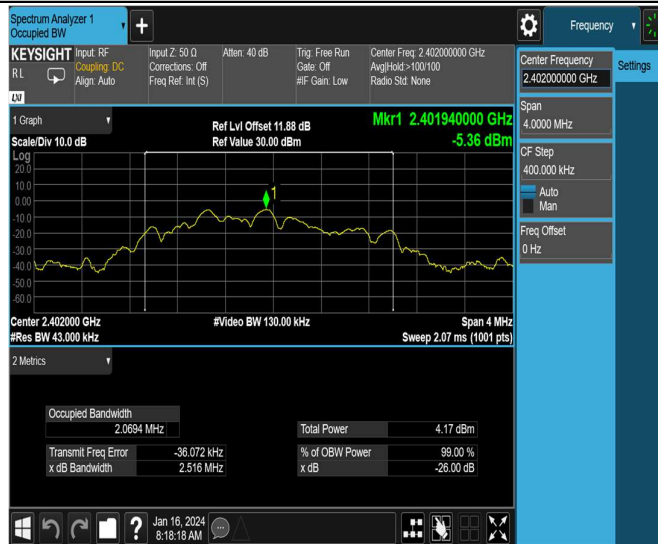
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0402	2401.4420	2402.4822	---	---
		2440	1.0429	2439.4382	2440.4811	---	---
		2480	1.0411	2479.4388	2480.4799	---	---
BLE_2M	Ant1	2402	2.0683	2400.9297	2402.9980	---	---
		2440	2.0652	2438.9289	2440.9941	---	---
		2480	2.0700	2478.9265	2480.9965	---	---

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

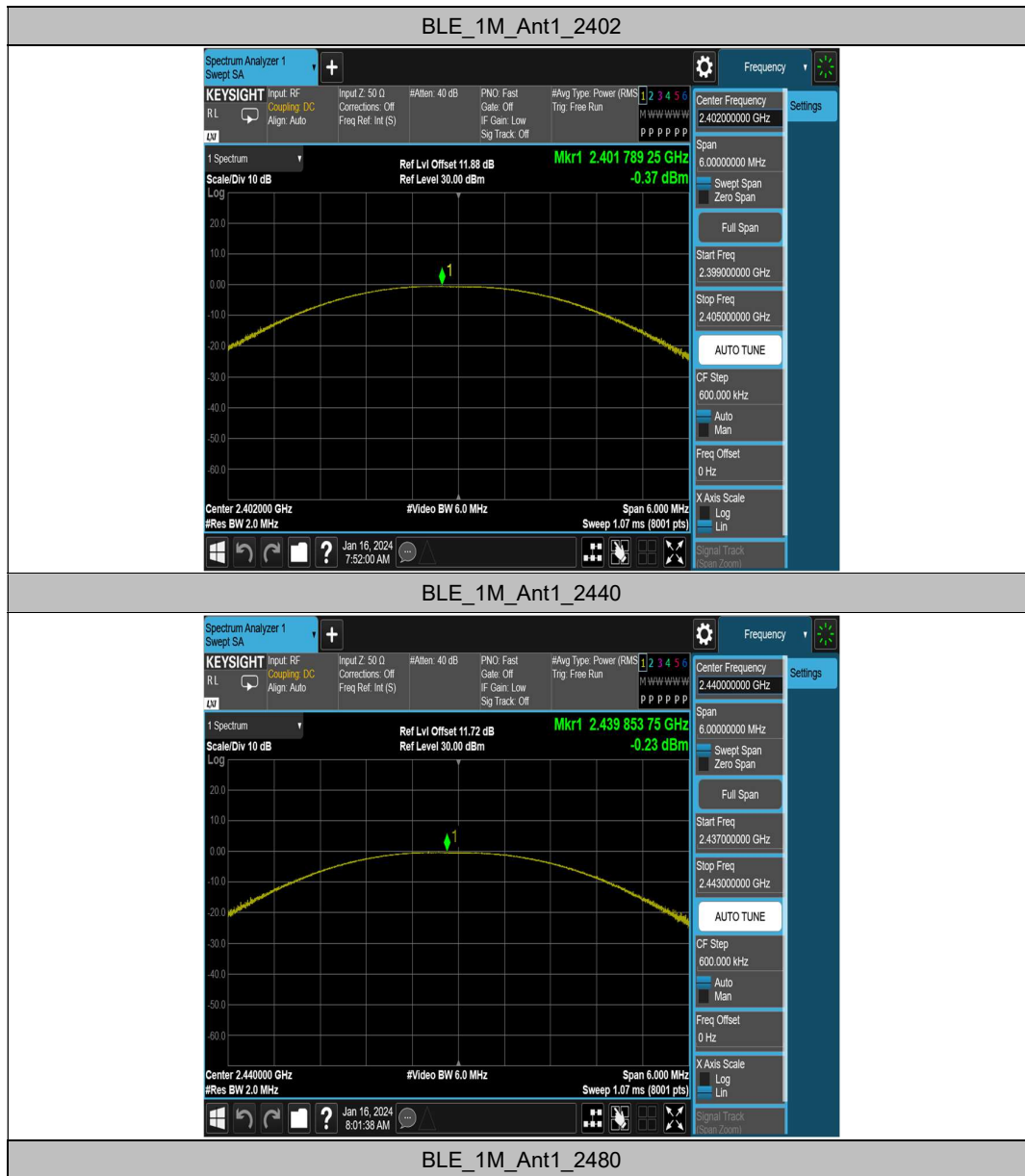


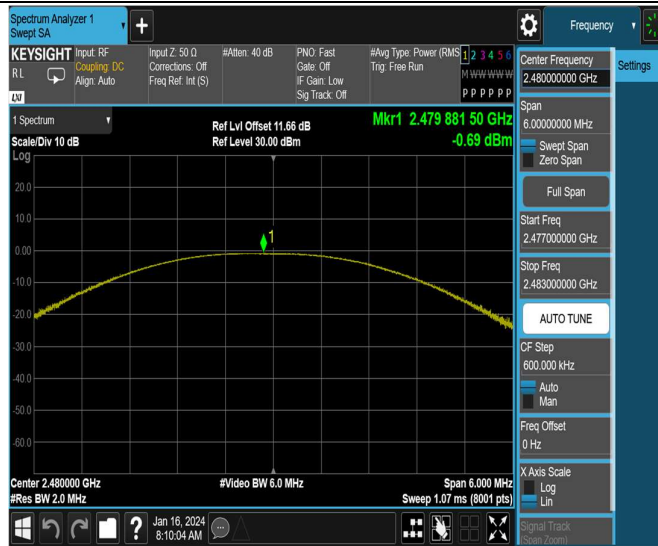
Appendix C: Maximum conducted output power

Test Result Peak

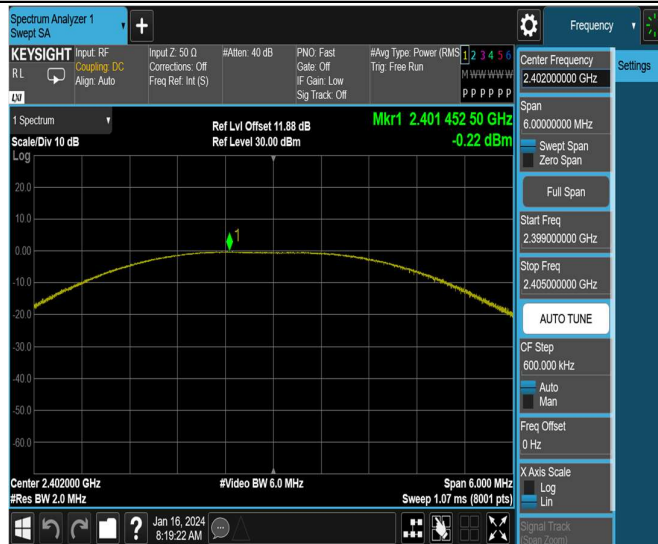
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.37	≤30	2.129	≤36	PASS
		2440	-0.23	≤30	2.269	≤36	PASS
		2480	-0.69	≤30	1.809	≤36	PASS
BLE_2M	Ant1	2402	-0.22	≤30	2.279	≤36	PASS
		2440	-0.23	≤30	2.269	≤36	PASS
		2480	-0.66	≤30	1.839	≤36	PASS

Test Graphs Peak





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.38	≤8.00	PASS
		2440	-20.11	≤8.00	PASS
		2480	-20.58	≤8.00	PASS
BLE_2M	Ant1	2402	-22.91	≤8.00	PASS
		2440	-22.89	≤8.00	PASS
		2480	-23.38	≤8.00	PASS

Test Graphs





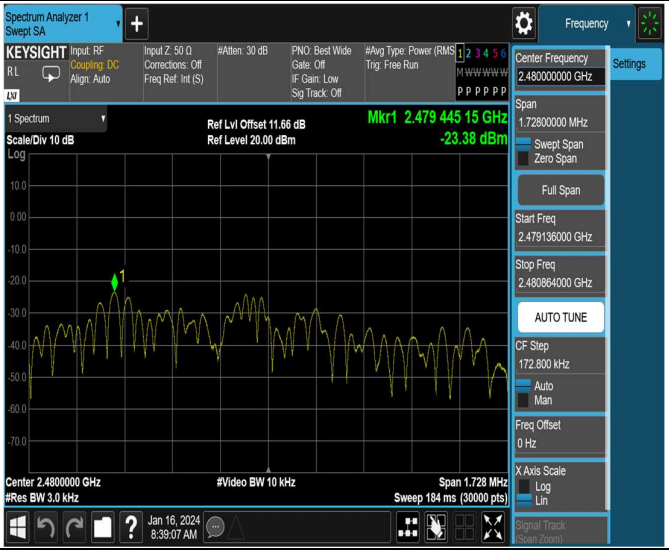
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



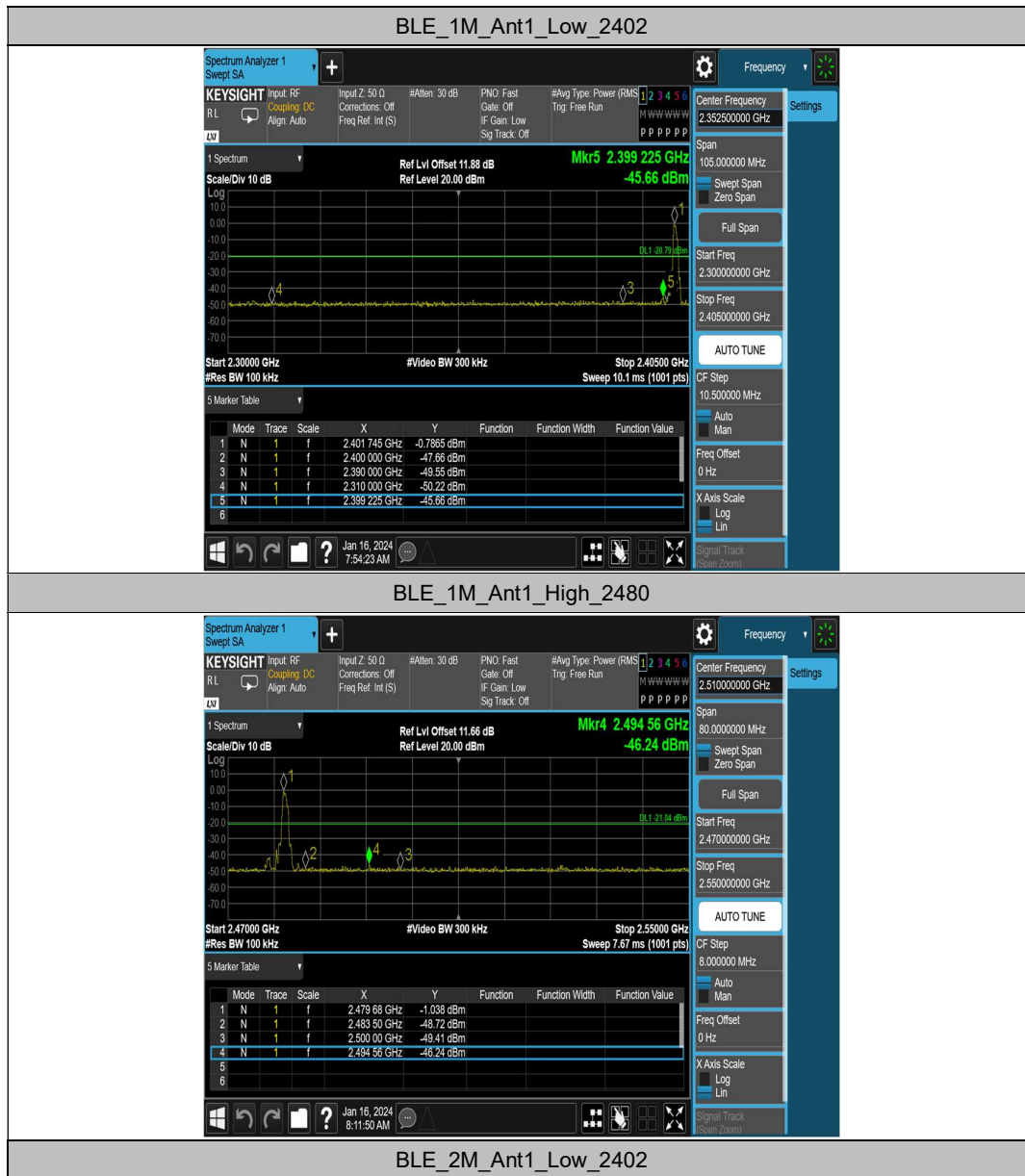
Jan 16, 2024
8:39:07 AM

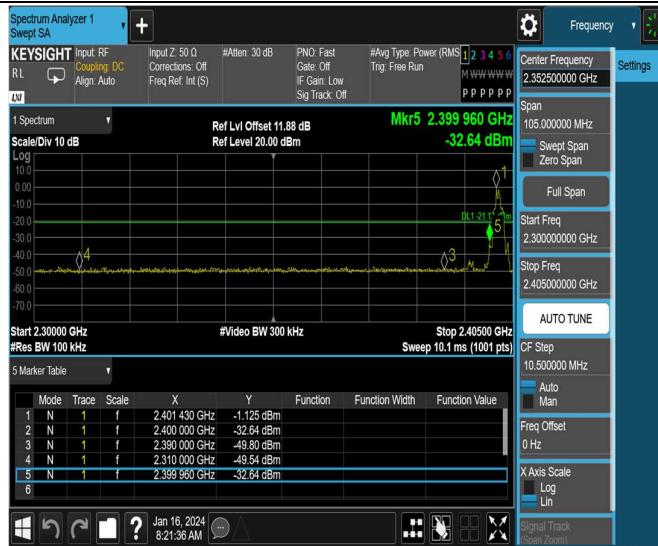
Appendix E: Band edge measurements

Test Result

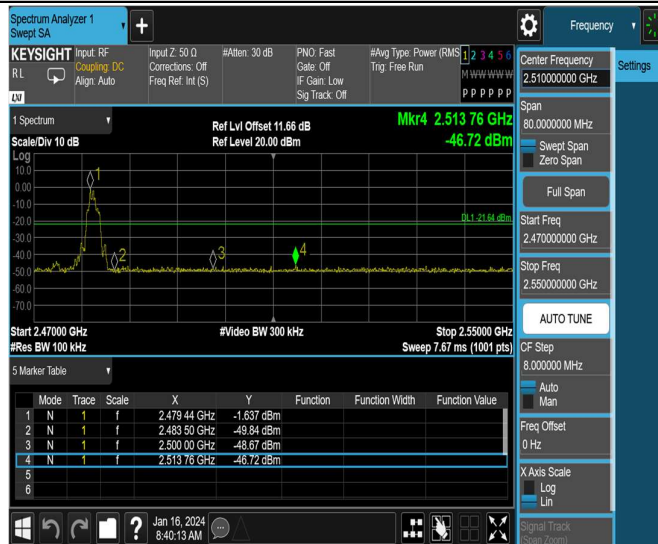
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.79	-45.66	≤-20.79	PASS
		High	2480	-1.04	-46.25	≤-21.04	PASS
BLE_2M	Ant1	Low	2402	-1.13	-32.65	≤-21.13	PASS
		High	2480	-1.64	-46.72	≤-21.64	PASS

Test Graphs





BLE_2M_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-55.33	≤-20.86	PASS
			1000~26500	-0.86	-47.77	≤-20.86	PASS
		2440	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-58.31	≤-20.59	PASS
			1000~26500	-0.59	-48.23	≤-20.59	PASS
		2480	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-54.22	≤-21.08	PASS
			1000~26500	-1.08	-48.36	≤-21.08	PASS
BLE_2M	Ant1	2402	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-54.95	≤-21.29	PASS
			1000~26500	-1.29	-47.06	≤-21.29	PASS
		2440	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-58.45	≤-21.3	PASS
			1000~26500	-1.30	-47.84	≤-21.3	PASS
		2480	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-57.96	≤-21.8	PASS
			1000~26500	-1.80	-50.25	≤-21.8	PASS