

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.608	2402.304	0.5	PASS
		2440	0.688	2439.608	2440.296	0.5	PASS
		2480	0.688	2479.604	2480.292	0.5	PASS
BLE_2M	Ant1	2402	1.304	2401.304	2402.608	0.5	PASS
		2440	1.308	2439.304	2440.612	0.5	PASS
		2480	1.320	2479.296	2480.616	0.5	PASS

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



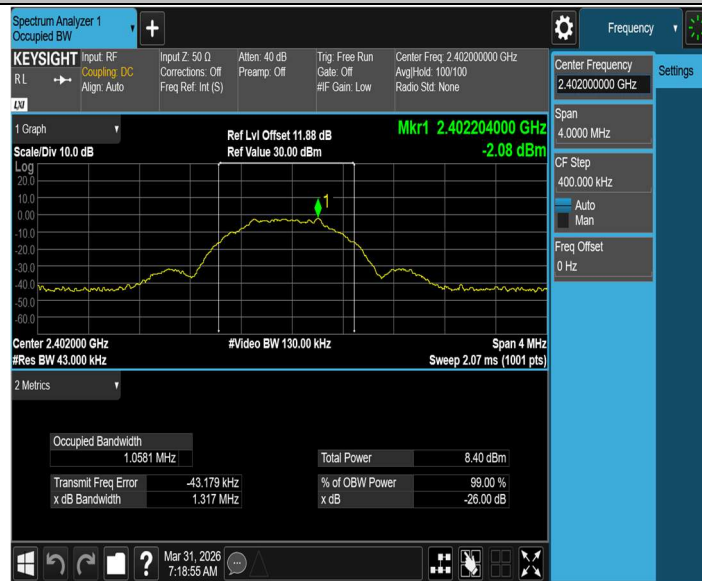
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0581	2401.4278	2402.4859	---	---
		2440	1.0603	2439.4245	2440.4848	---	---
		2480	1.0604	2479.4261	2480.4865	---	---
BLE_2M	Ant1	2402	2.0782	2400.9250	2403.0032	---	---
		2440	2.0872	2438.9181	2441.0053	---	---
		2480	2.0933	2478.9154	2481.0087	---	---

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



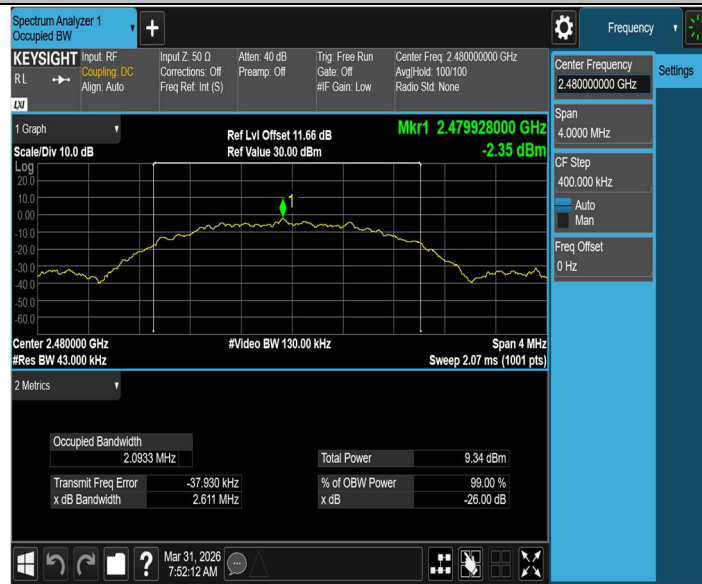
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

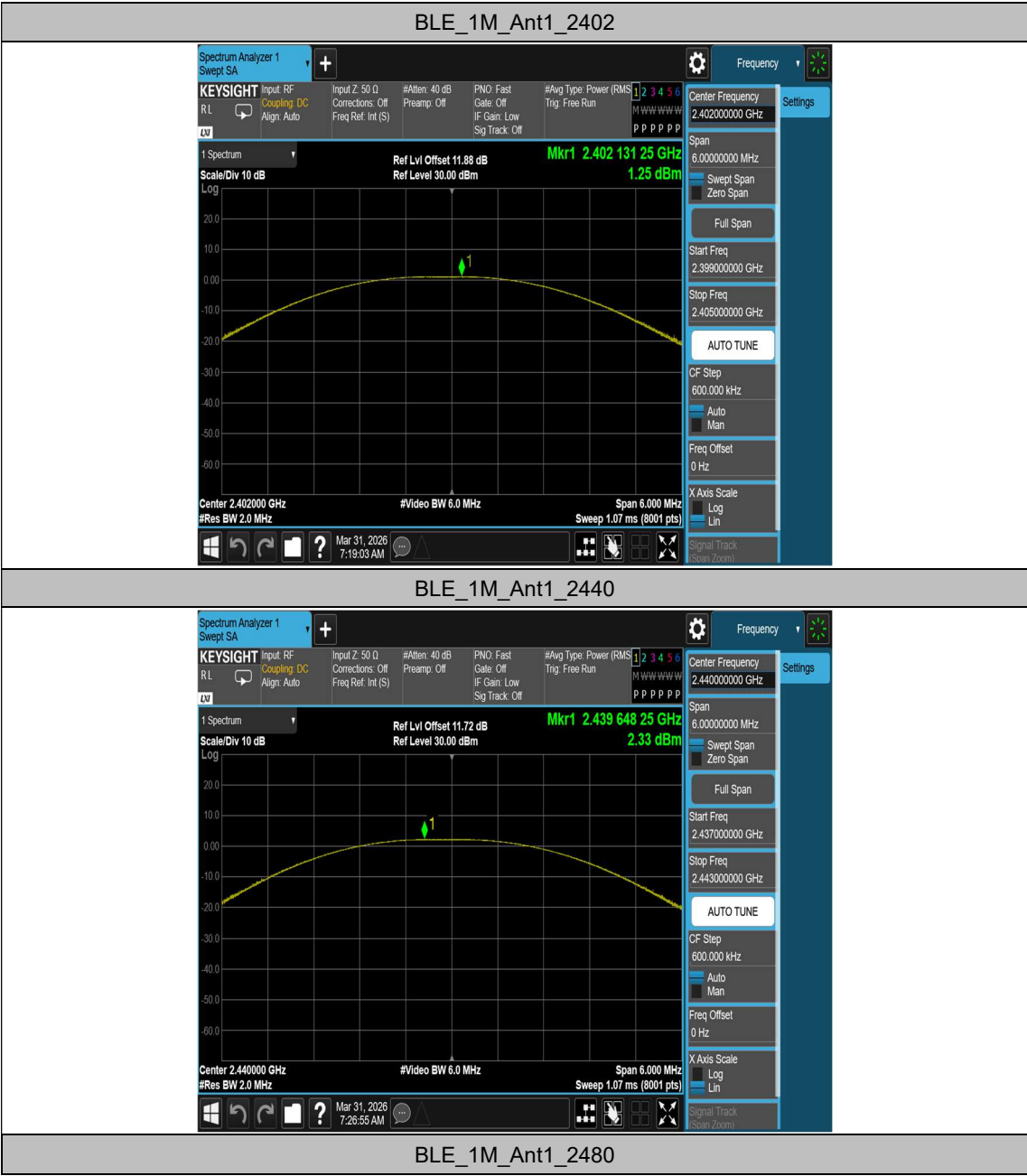


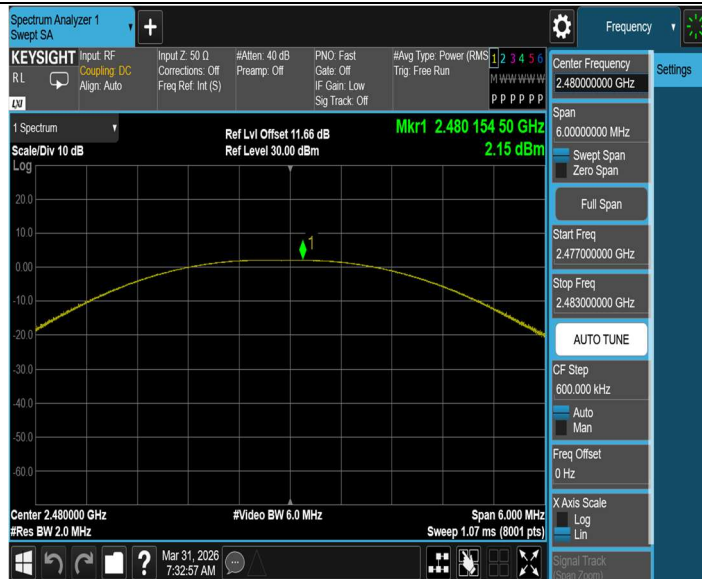
Appendix C: Maximum conducted output power

Test Result Peak

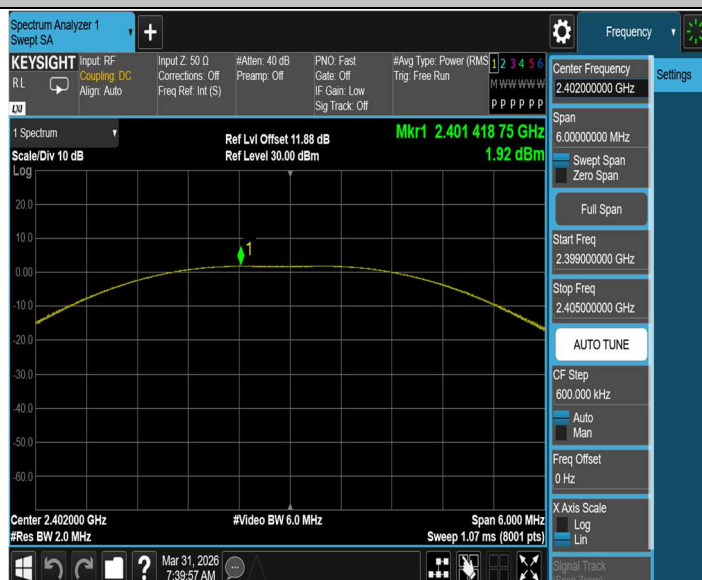
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.25	≤30	1.35	≤36	PASS
		2440	2.33	≤30	2.43	≤36	PASS
		2480	2.15	≤30	2.25	≤36	PASS
BLE_2M	Ant1	2402	1.92	≤30	2.02	≤36	PASS
		2440	2.21	≤30	2.31	≤36	PASS
		2480	2.21	≤30	2.31	≤36	PASS

Test Graphs Peak





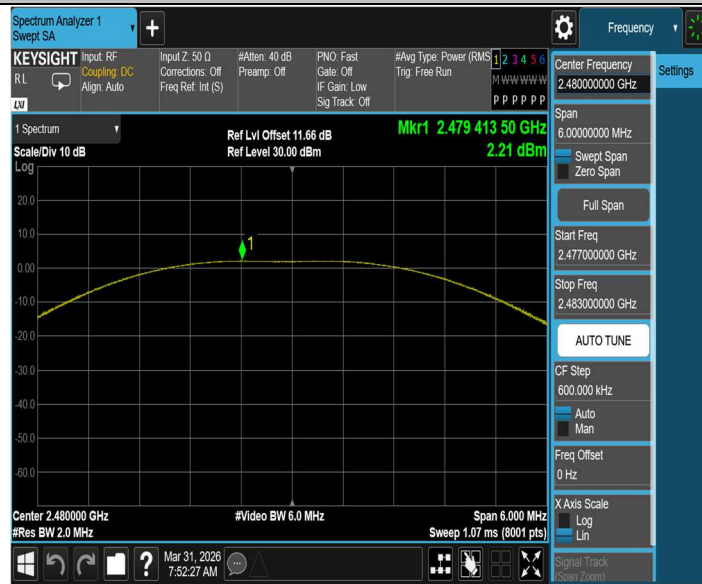
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

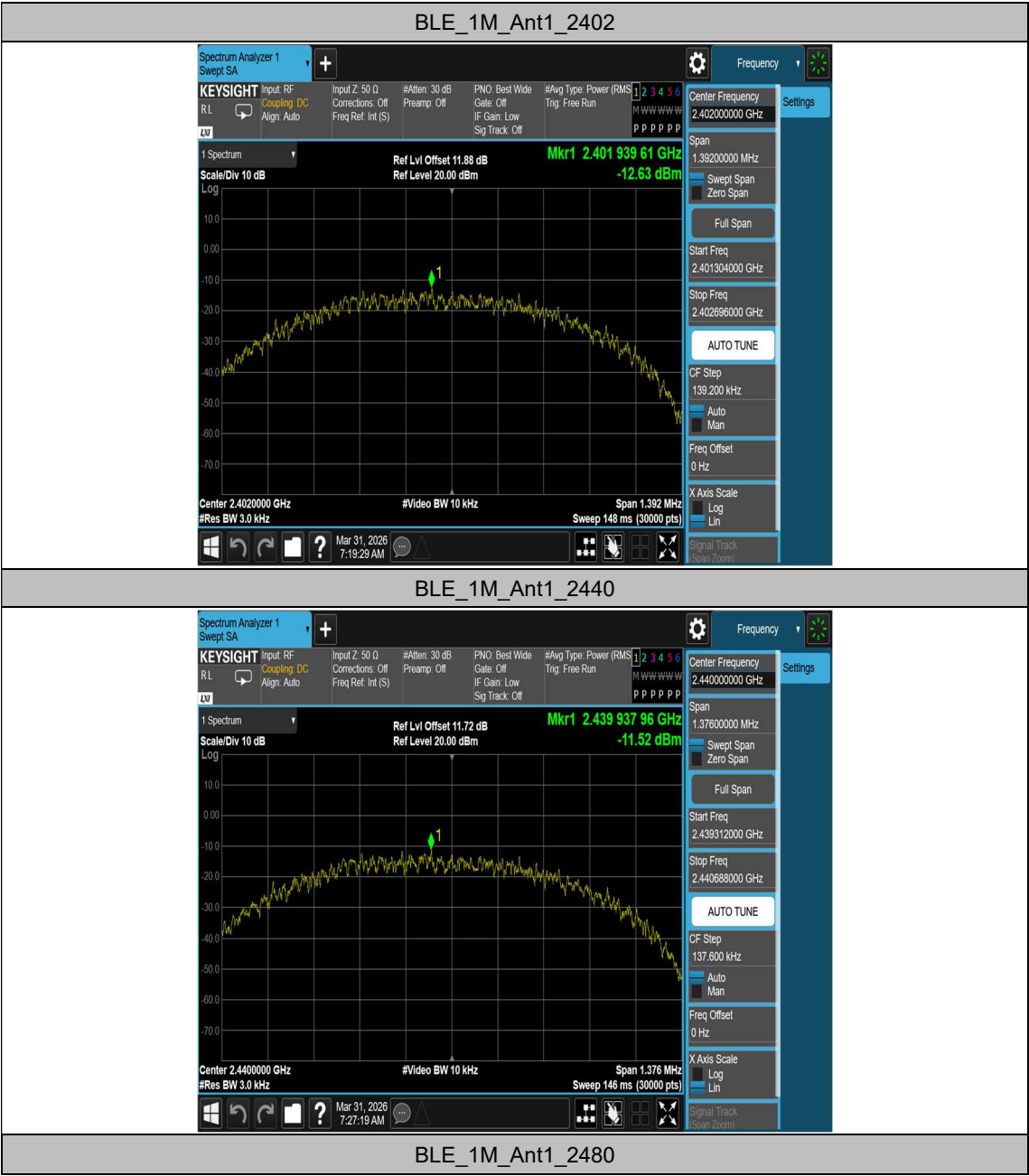


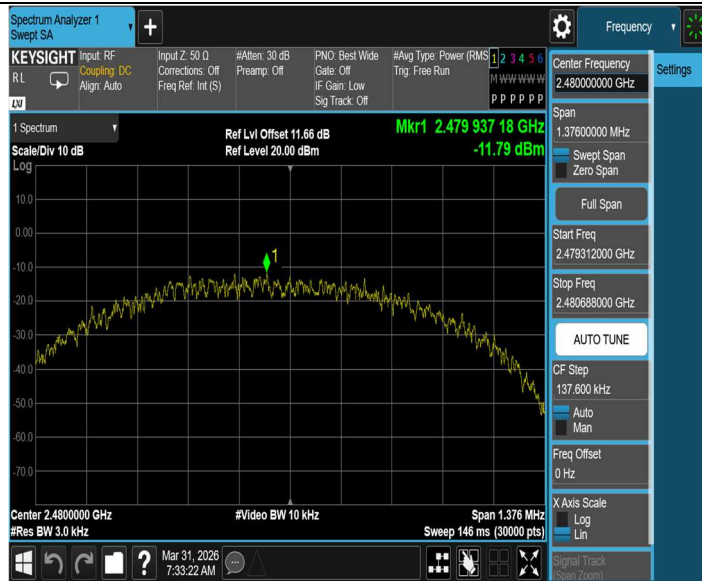
Appendix D: Maximum power spectral density

Test Result

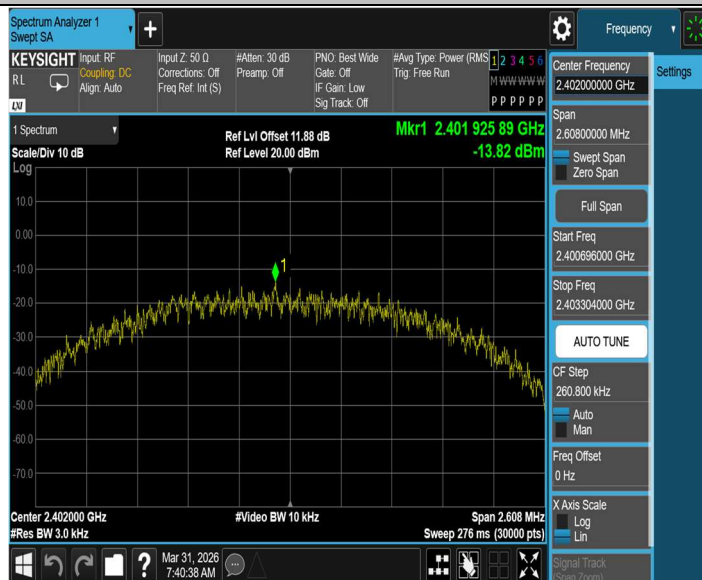
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.63	≤8.00	PASS
		2440	-11.52	≤8.00	PASS
		2480	-11.79	≤8.00	PASS
BLE_2M	Ant1	2402	-13.82	≤8.00	PASS
		2440	-13.47	≤8.00	PASS
		2480	-13.53	≤8.00	PASS

Test Graphs

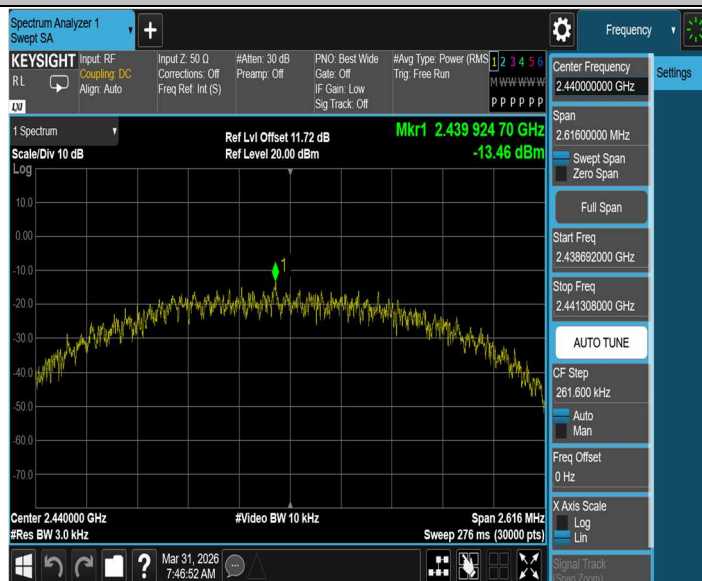




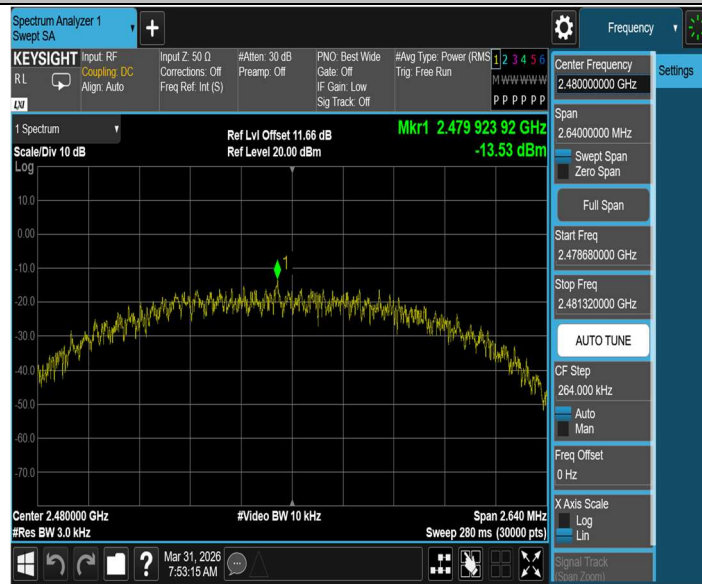
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



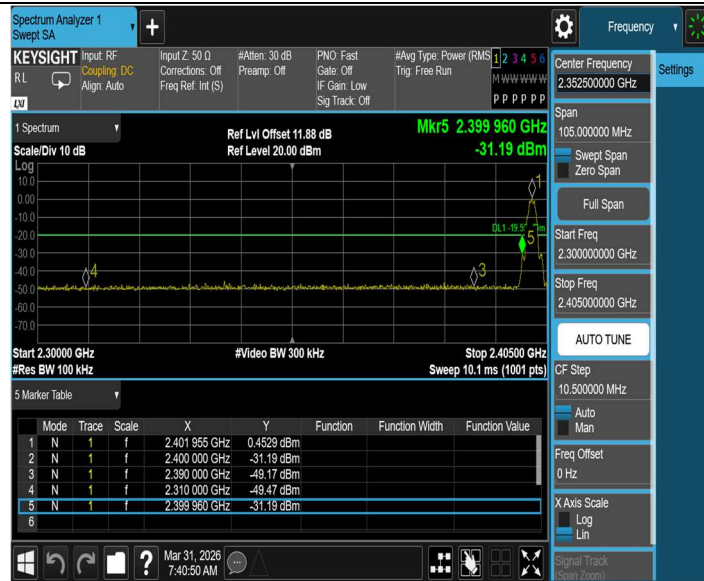
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.45	-46.24	≤ -19.55	PASS
		High	2480	1.64	-46.69	≤ -18.36	PASS
BLE_2M	Ant1	Low	2402	0.45	-31.2	≤ -19.55	PASS
		High	2480	-0.36	-46.66	≤ -20.36	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	0.60	0.60	---	PASS
			30~1000	0.60	-58.08	≤-19.4	PASS
			1000~26500	0.60	-47.14	≤-19.4	PASS
		2440	Reference	1.81	1.81	---	PASS
			30~1000	1.81	-58.4	≤-18.19	PASS
			1000~26500	1.81	-18.65	≤-18.19	PASS
		2480	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-58.22	≤-18.41	PASS
			1000~26500	1.59	-50.89	≤-18.41	PASS
BLE_2M	Ant1	2402	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-58.26	≤-19.55	PASS
			1000~26500	0.45	-47.19	≤-19.55	PASS
		2440	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-58.62	≤-19.26	PASS
			1000~26500	0.74	-49.35	≤-19.26	PASS
		2480	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-58.41	≤-19.33	PASS
			1000~26500	0.67	-49.77	≤-19.33	PASS

Test Graphs

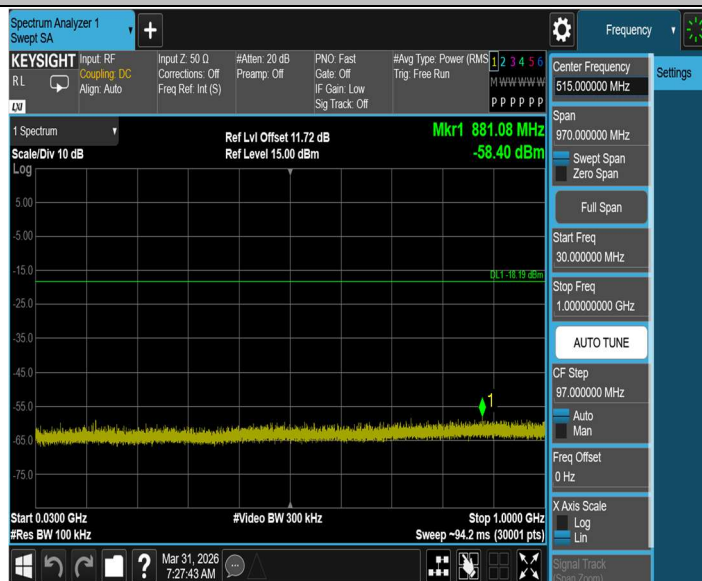




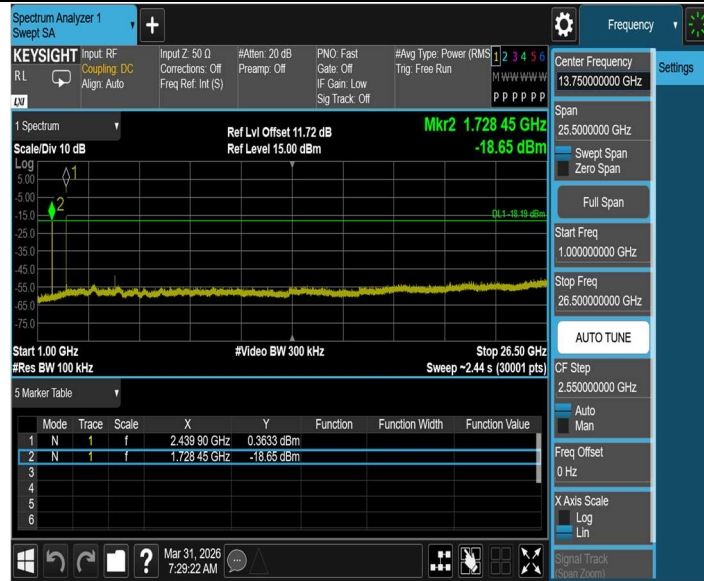
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



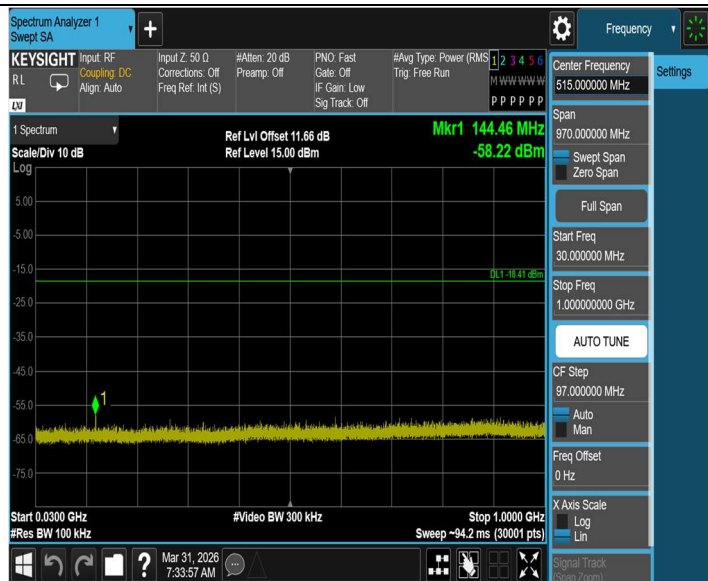
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500



BLE_2M_Ant1_2440_0~Reference