

Appendix A: Test Results of Bluetooth LE

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Appendix A.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.600	2401.692	2402.292	0.5	PASS
		2440	0.652	2439.688	2440.340	0.5	PASS
		2480	0.652	2479.680	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.472	2402.580	0.5	PASS
		2440	0.944	2439.460	2440.404	0.5	PASS
		2480	1.024	2479.536	2480.560	0.5	PASS

Test Graphs





BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



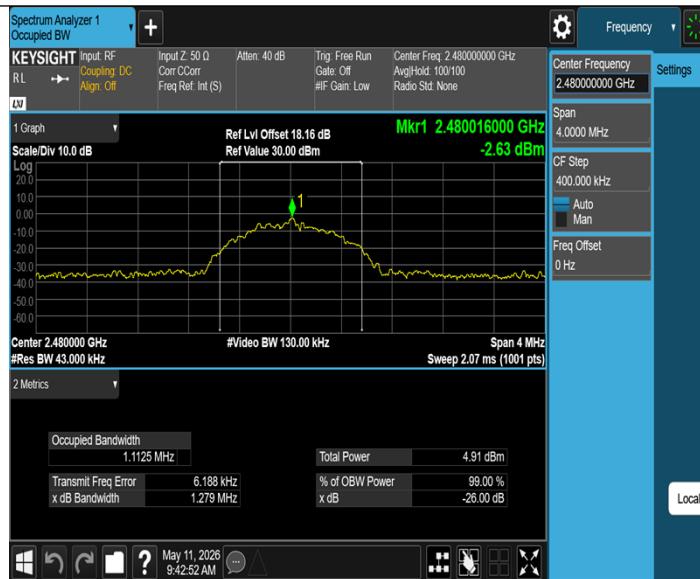
Appendix A.2: Test Results of 99% Bandwidth

Test Result

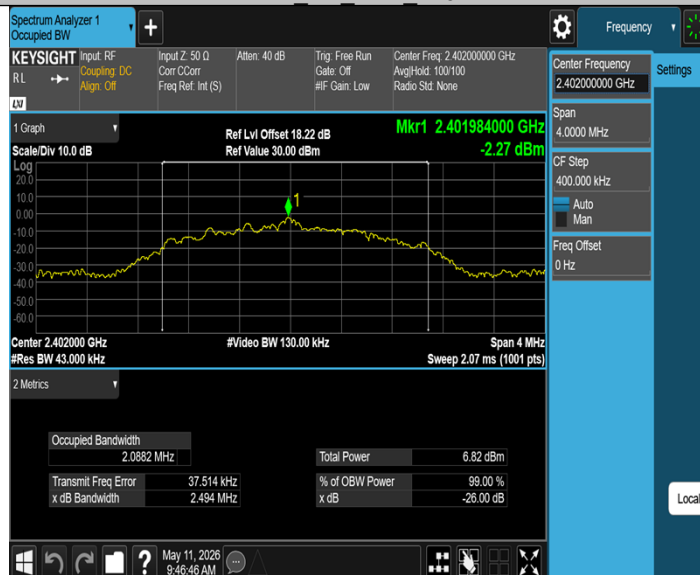
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0855	2401.4703	2402.5558	---	PASS
		2440	1.0917	2439.4629	2440.5546	---	PASS
		2480	1.1125	2479.4499	2480.5624	---	PASS
BLE_2M	Ant1	2402	2.0882	2400.9934	2403.0816	---	PASS
		2440	2.1276	2438.9708	2441.0984	---	PASS
		2480	2.1255	2478.9542	2481.0797	---	PASS

Test Graphs

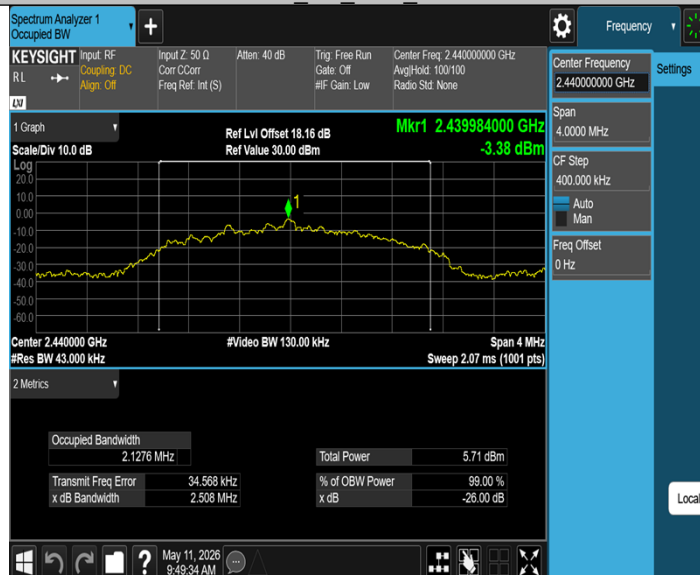




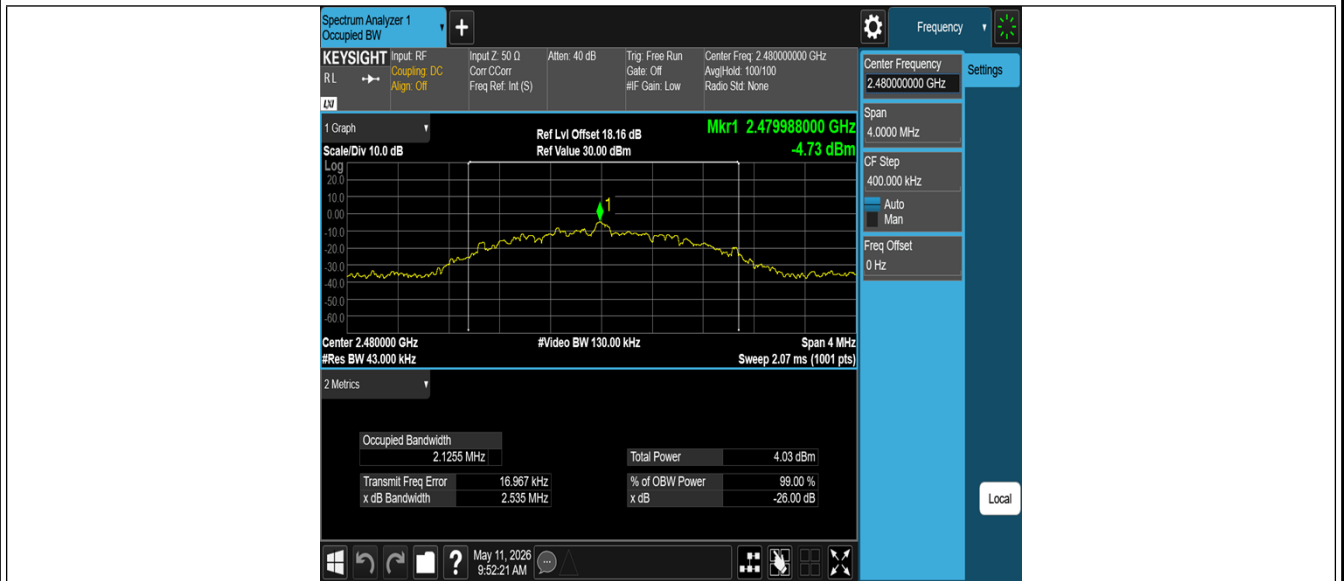
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480

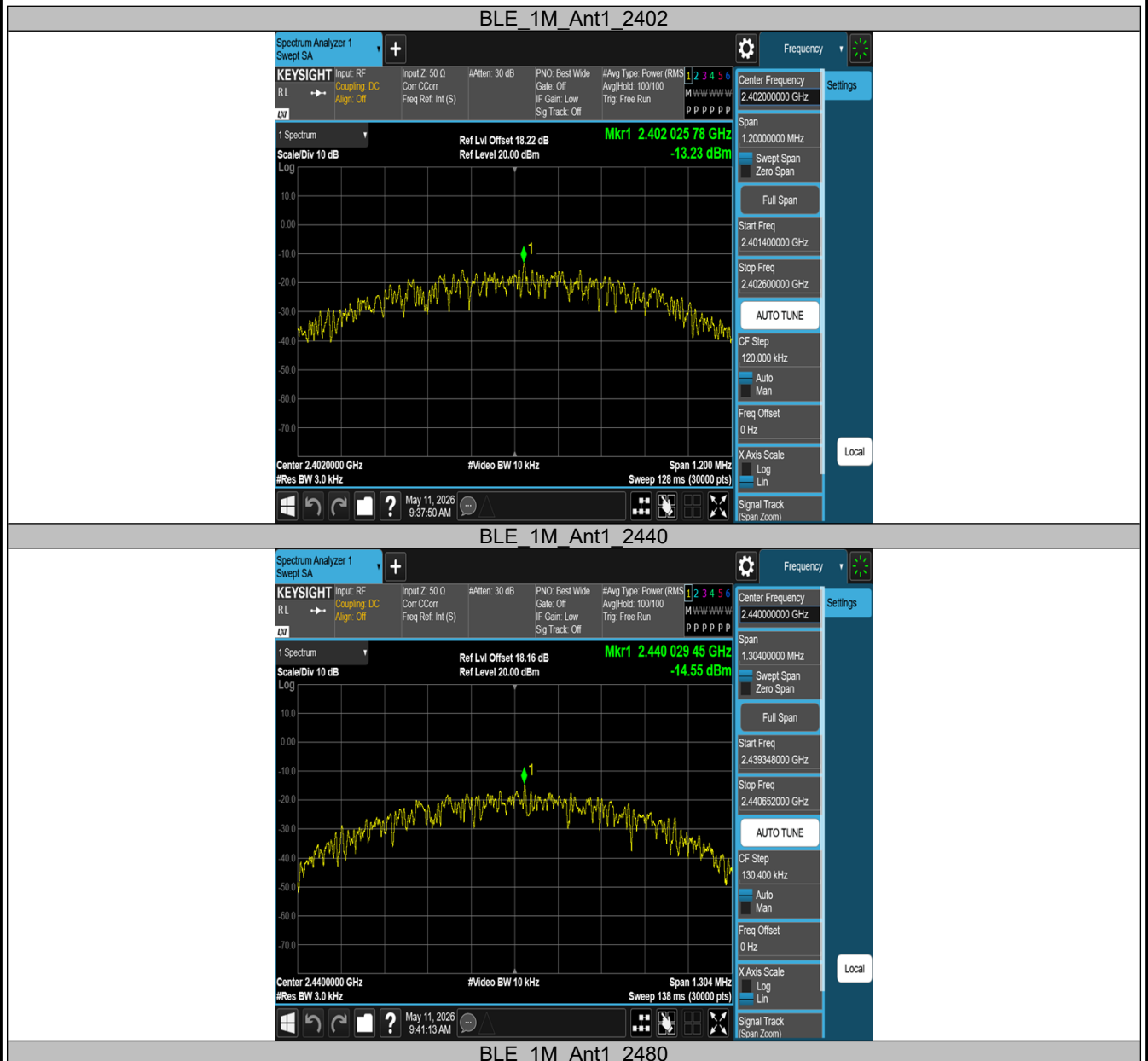


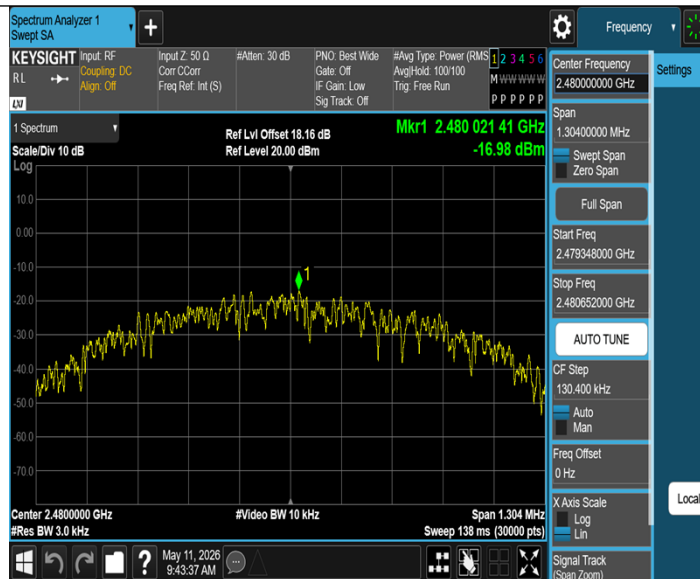
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

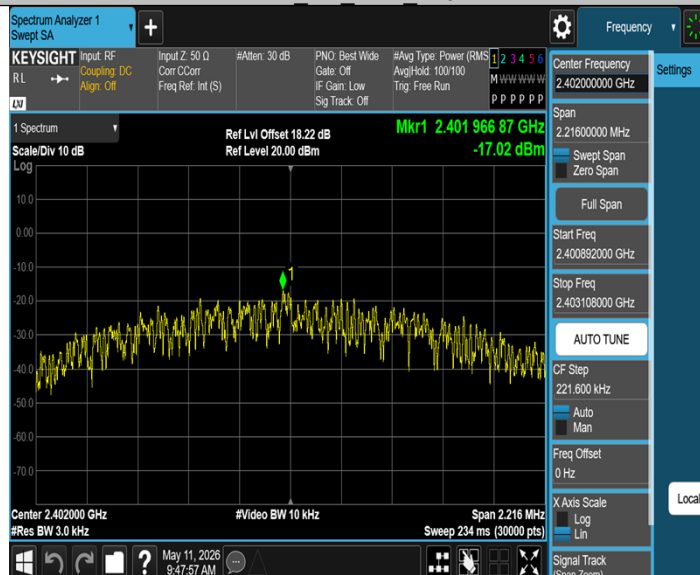
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.23	≤8.00	PASS
		2440	-14.55	≤8.00	PASS
		2480	-16.98	≤8.00	PASS
BLE_2M	Ant1	2402	-17.02	≤8.00	PASS
		2440	-17.66	≤8.00	PASS
		2480	-19.89	≤8.00	PASS

Test Graphs

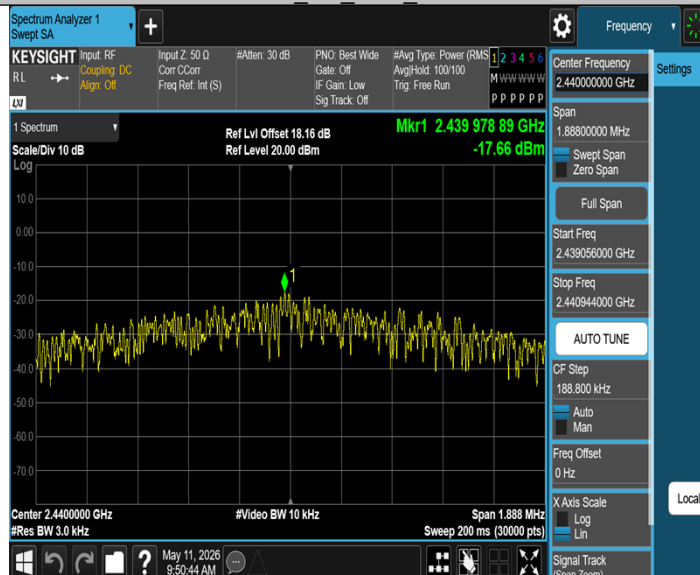




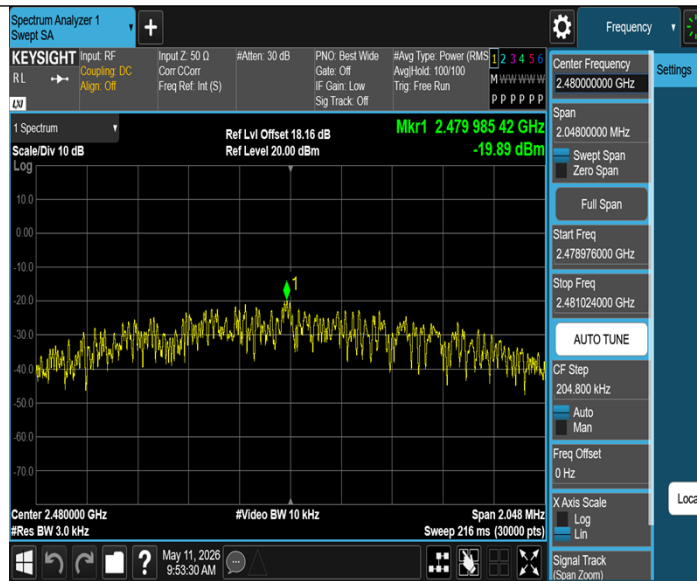
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.79	-41.17	≤-19.21	PASS
		High	2480	-2.41	-42.53	≤-22.41	PASS
BLE_2M	Ant1	Low	2402	0.49	-32.07	≤-19.51	PASS
		High	2480	-2.08	-43.36	≤-22.08	PASS

Test Graphs





BLE 2M Ant1 High 2480

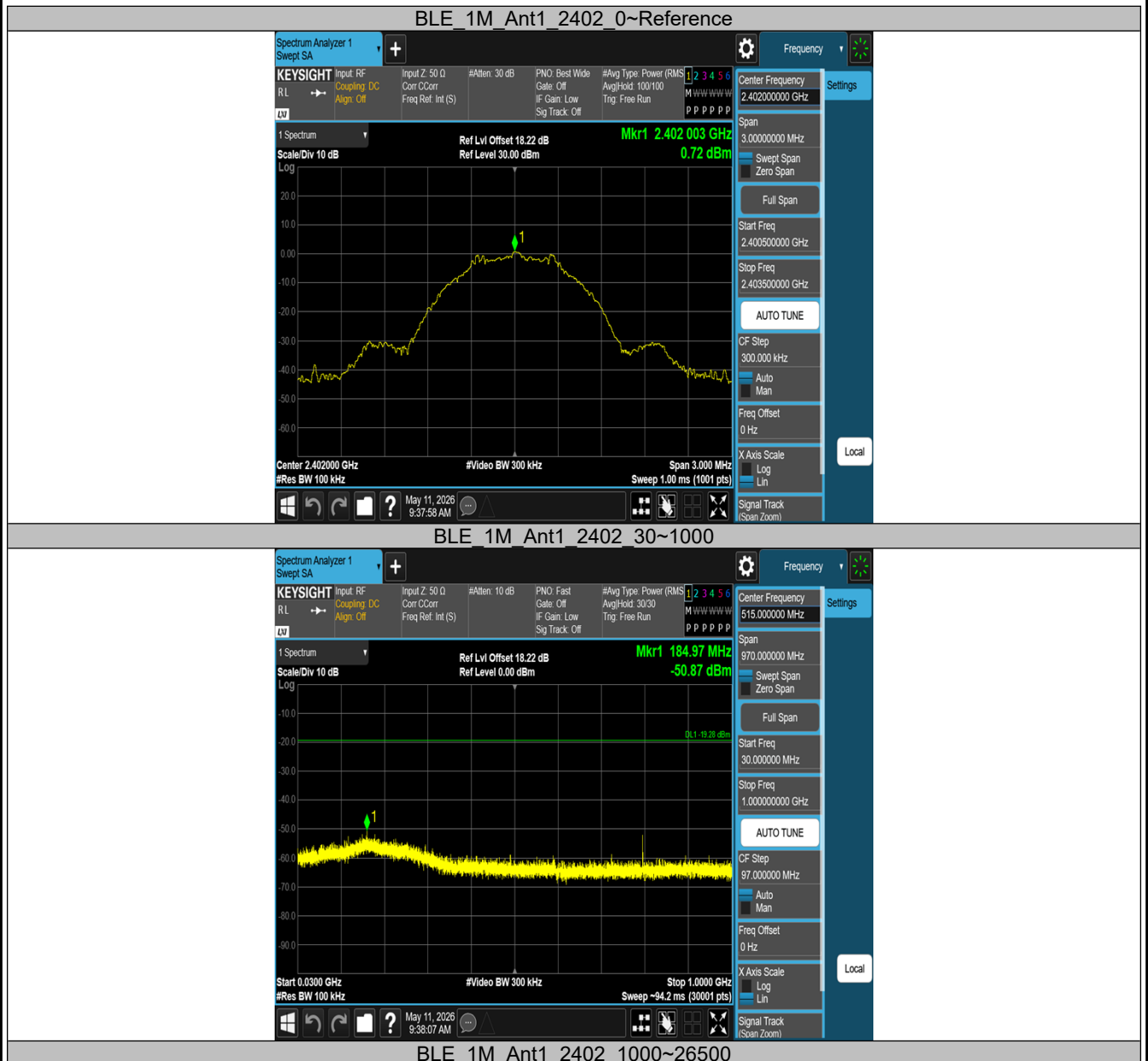


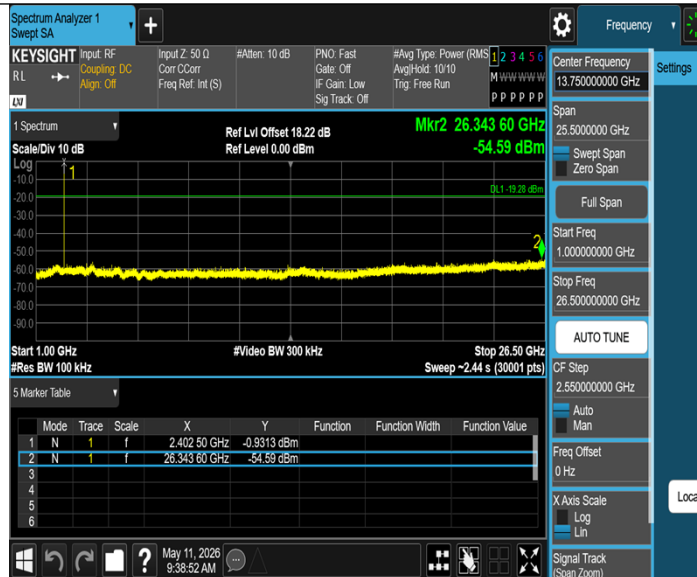
Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-50.87	≤-19.28	PASS
			1000~26500	0.72	-54.59	≤-19.28	PASS
		2440	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-51.4	≤-20.49	PASS
			1000~26500	-0.49	-54.58	≤-20.49	PASS
		2480	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-52.11	≤-21.93	PASS
			1000~26500	-1.93	-54.61	≤-21.93	PASS
BLE_2M	Ant1	2402	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-52.01	≤-19.49	PASS
			1000~26500	0.51	-54.78	≤-19.49	PASS
		2440	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-52.09	≤-20.63	PASS
			1000~26500	-0.63	-54.65	≤-20.63	PASS
		2480	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-51.25	≤-22.09	PASS
			1000~26500	-2.09	-53.69	≤-22.09	PASS

Test Graphs

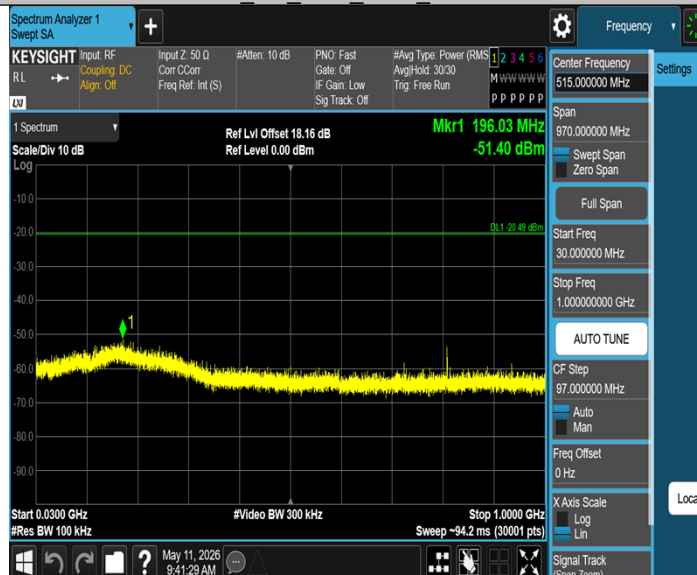




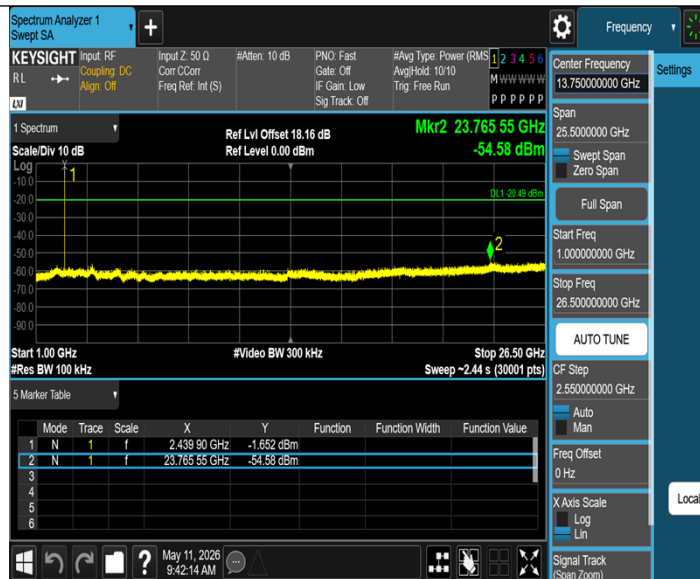
BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



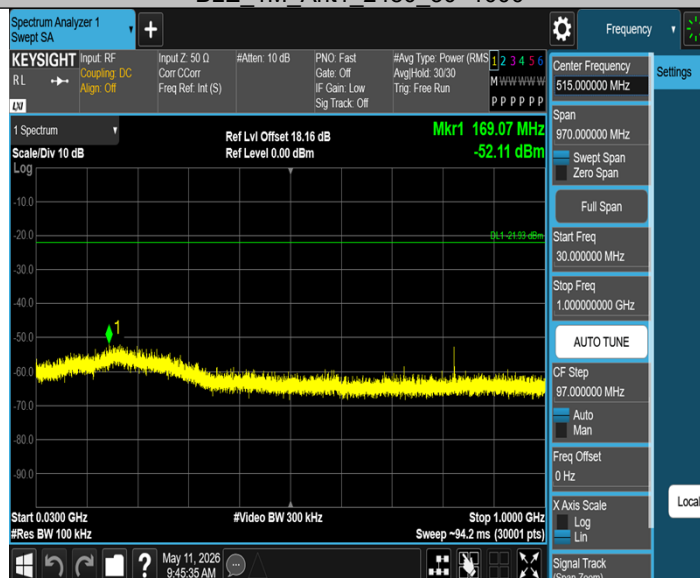
BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500