

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	0.684	2401.680	2402.364	0.5	PASS
		2440	0.704	2439.668	2440.372	0.5	PASS
		2480	0.680	2479.676	2480.356	0.5	PASS
BLE_2M	Ant1	2402	1.304	2401.352	2402.656	0.5	PASS
		2440	1.264	2439.364	2440.628	0.5	PASS
		2480	1.312	2479.364	2480.676	0.5	PASS

Test Graphs





BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



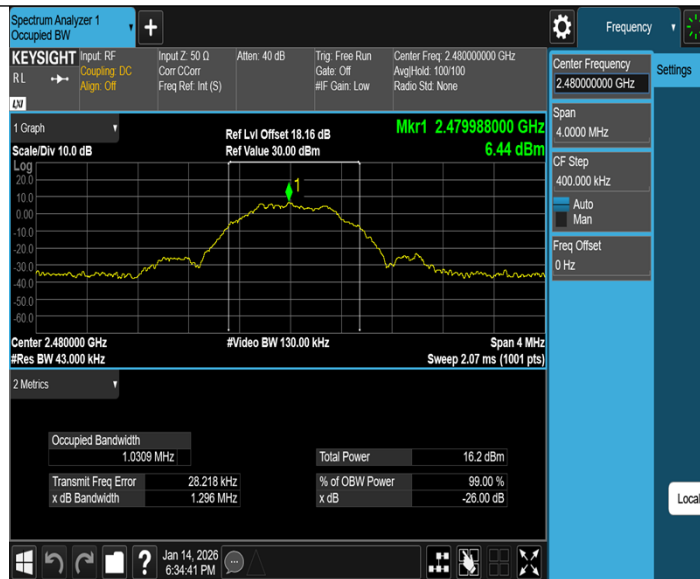
Appendix A.2: Test Results of 99% Bandwidth

Test Result

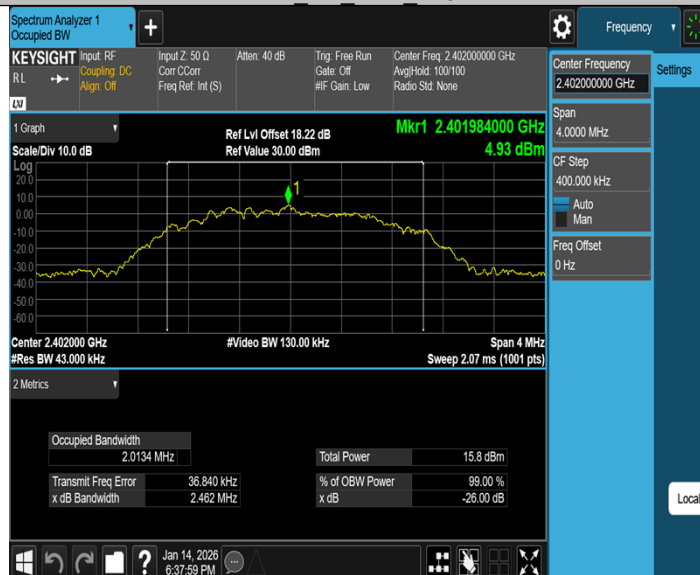
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0313	2401.5130	2402.5443	---	PASS
		2440	1.0356	2439.5105	2440.5461	---	PASS
		2480	1.0309	2479.5128	2480.5437	---	PASS
BLE_2M	Ant1	2402	2.0134	2401.0301	2403.0435	---	PASS
		2440	2.0155	2439.0329	2441.0484	---	PASS
		2480	2.0144	2479.0309	2481.0453	---	PASS

Test Graphs

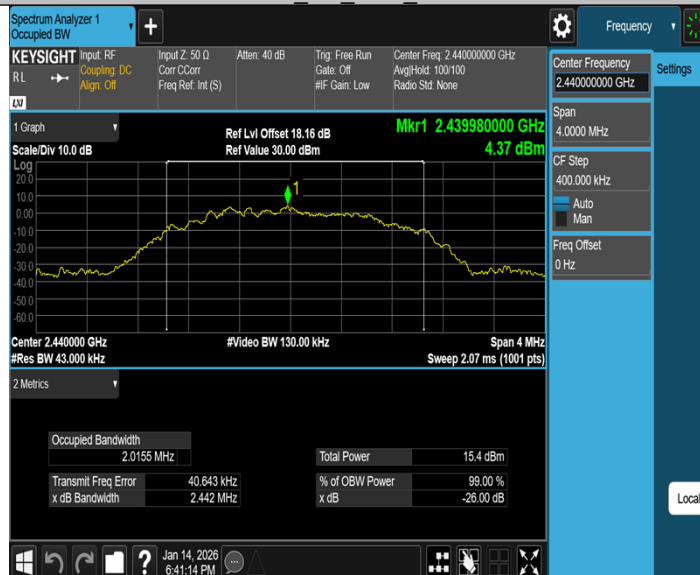




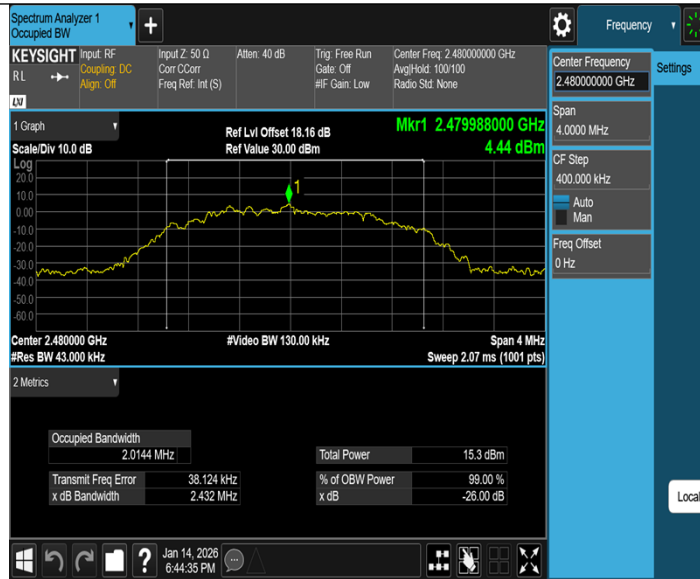
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480

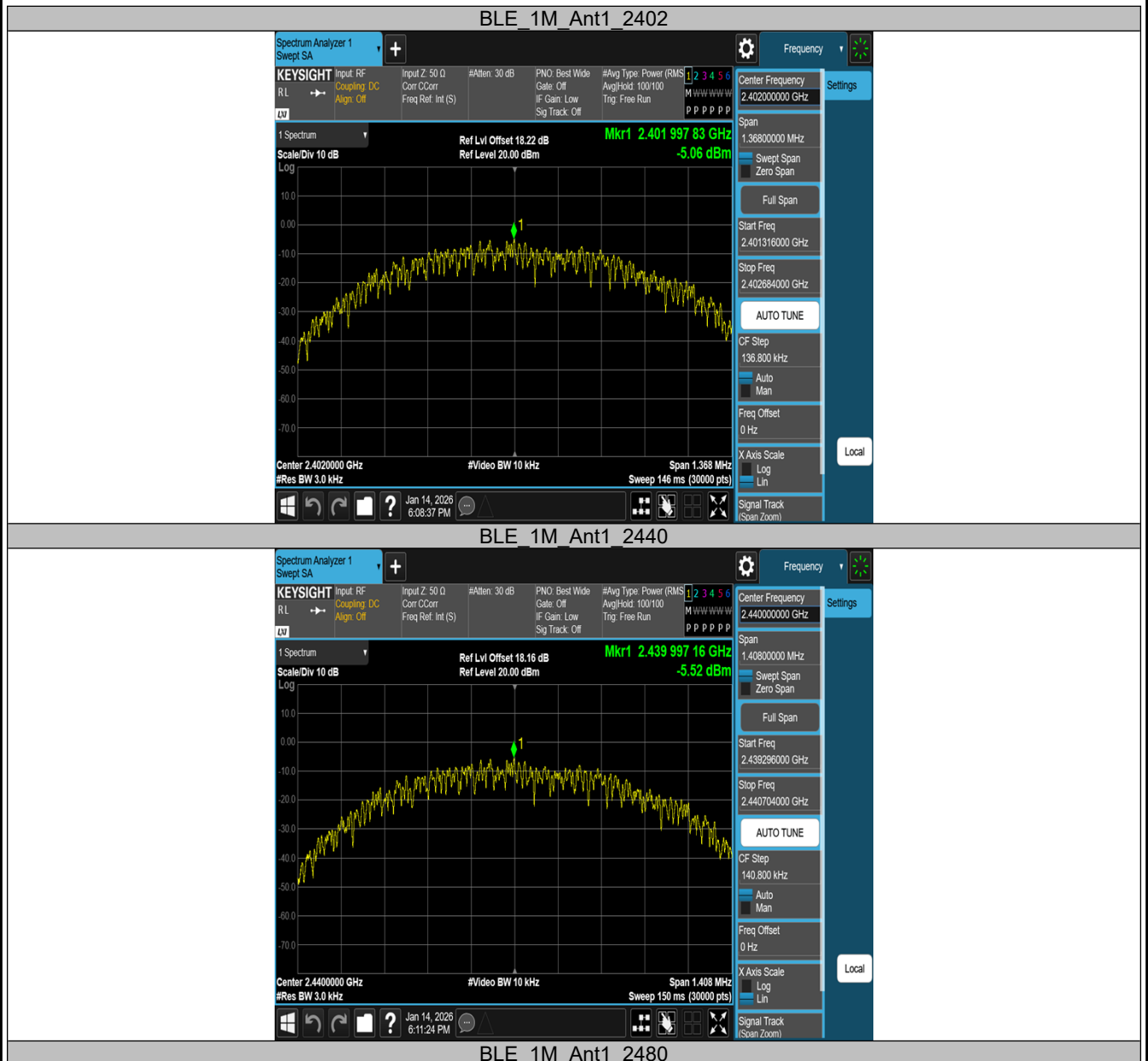


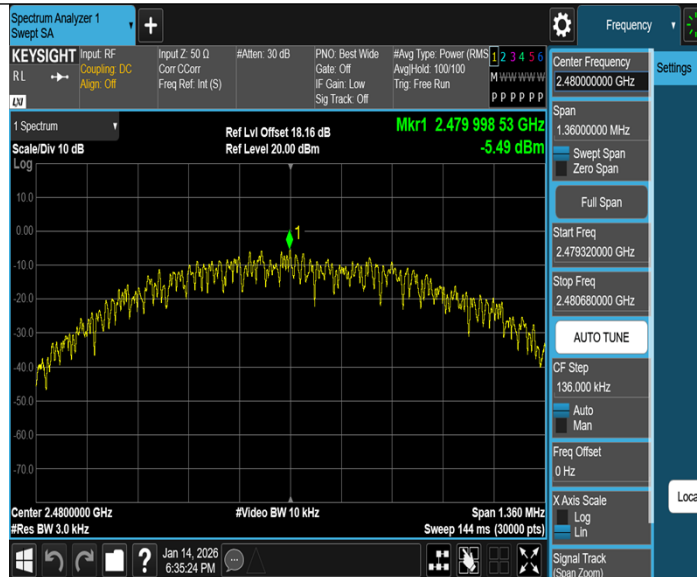
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

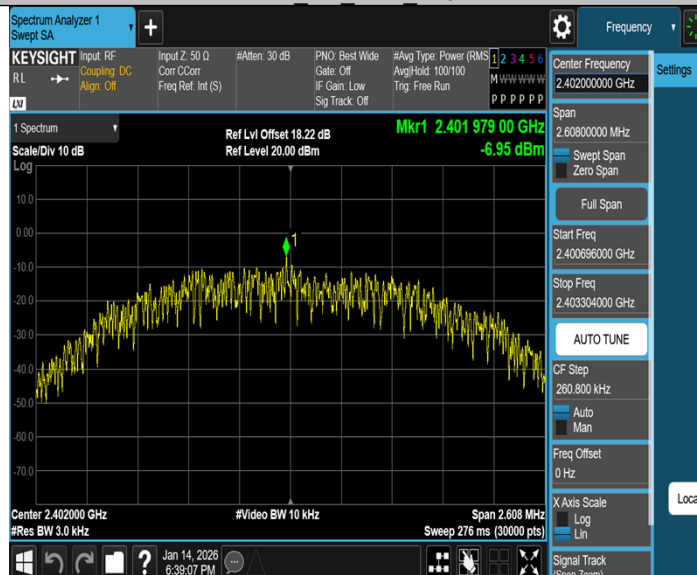
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.06	≤8.00	PASS
		2440	-5.52	≤8.00	PASS
		2480	-5.49	≤8.00	PASS
BLE_2M	Ant1	2402	-6.95	≤8.00	PASS
		2440	-7.34	≤8.00	PASS
		2480	-7.45	≤8.00	PASS

Test Graphs

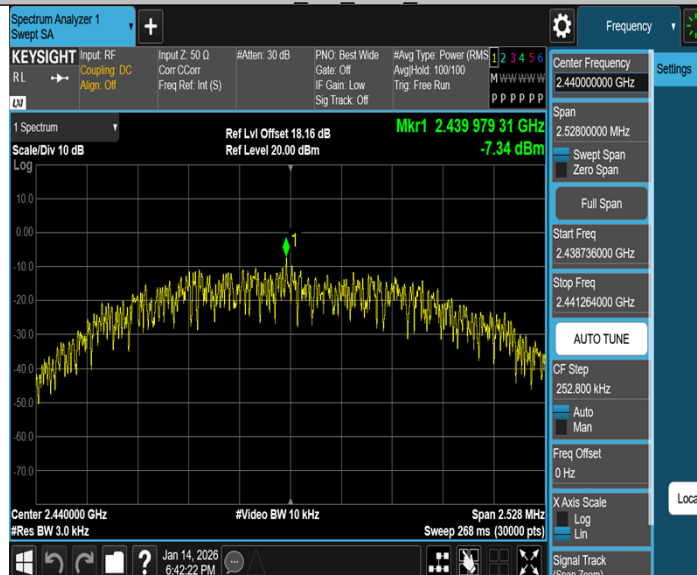




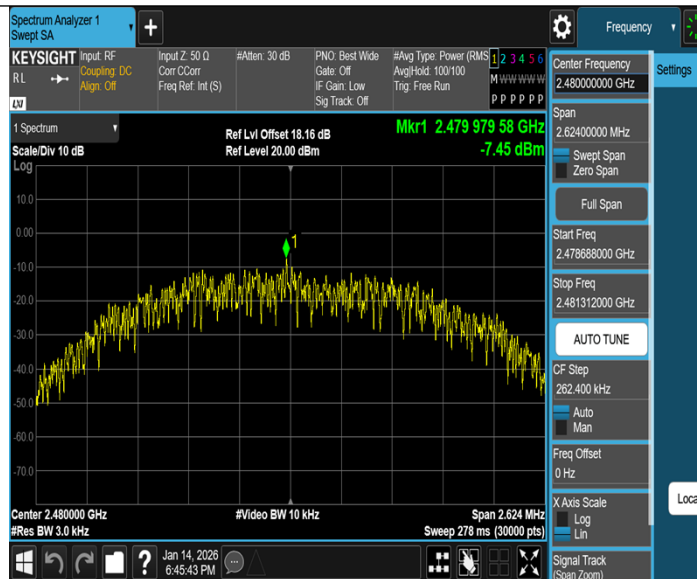
BLE 2M Ant1 2402



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	9.46	-41.63	≤-10.54	PASS
		High	2480	9.03	-42.37	≤-10.97	PASS
BLE_2M	Ant1	Low	2402	8.52	-38.47	≤-11.48	PASS
		High	2480	7.92	-42.36	≤-12.08	PASS

Test Graphs





BLE 2M Ant1 High 2480

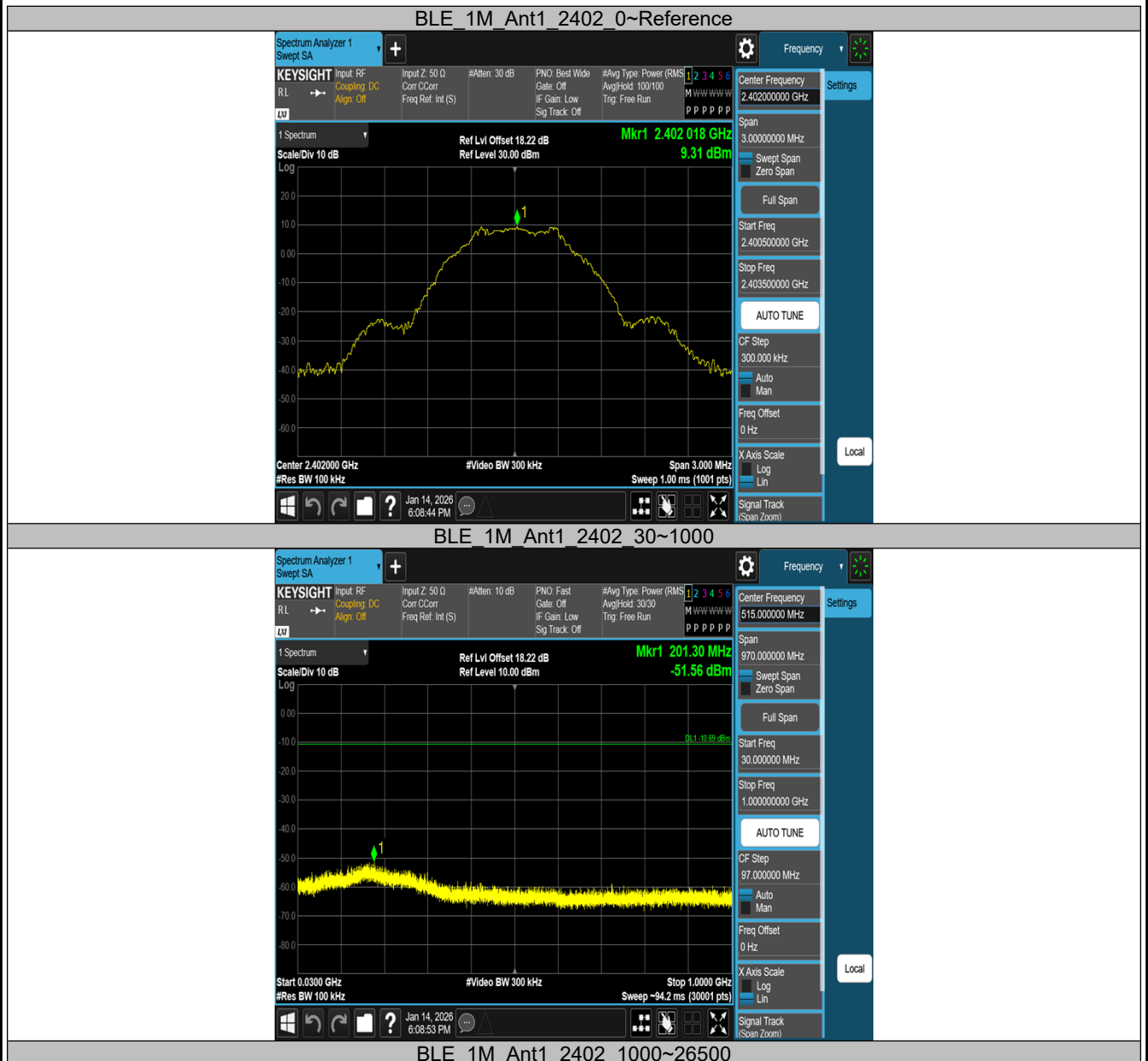


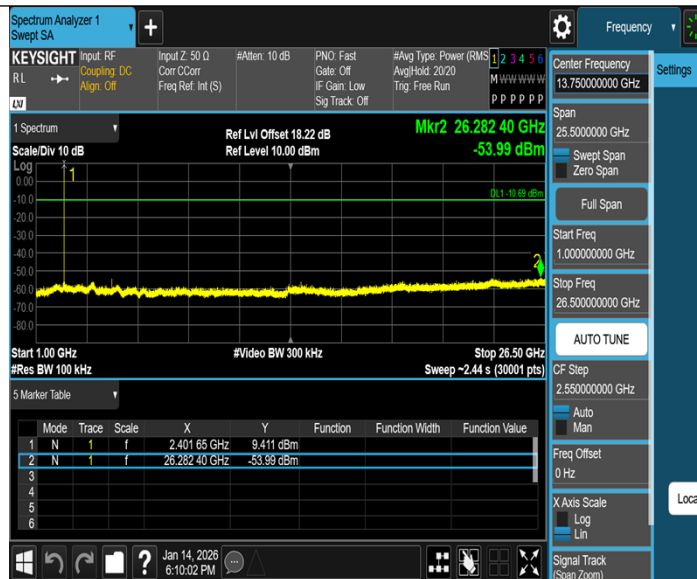
Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	9.31	9.31	---	PASS
			30~1000	9.31	-51.56	≤-10.69	PASS
			1000~26500	9.31	-53.99	≤-10.69	PASS
		2440	Reference	8.91	8.91	---	PASS
			30~1000	8.91	-51.55	≤-11.09	PASS
			1000~26500	8.91	-54.1	≤-11.09	PASS
		2480	Reference	8.94	8.94	---	PASS
			30~1000	8.94	-50.47	≤-11.06	PASS
			1000~26500	8.94	-53.87	≤-11.06	PASS
BLE_2M	Ant1	2402	Reference	8.41	8.41	---	PASS
			30~1000	8.41	-51.7	≤-11.59	PASS
			1000~26500	8.41	-53.8	≤-11.59	PASS
		2440	Reference	8.02	8.02	---	PASS
			30~1000	8.02	-51.04	≤-11.98	PASS
			1000~26500	8.02	-54.1	≤-11.98	PASS
		2480	Reference	8.21	8.21	---	PASS
			30~1000	8.21	-51.27	≤-11.79	PASS
			1000~26500	8.21	-53.01	≤-11.79	PASS

Test Graphs

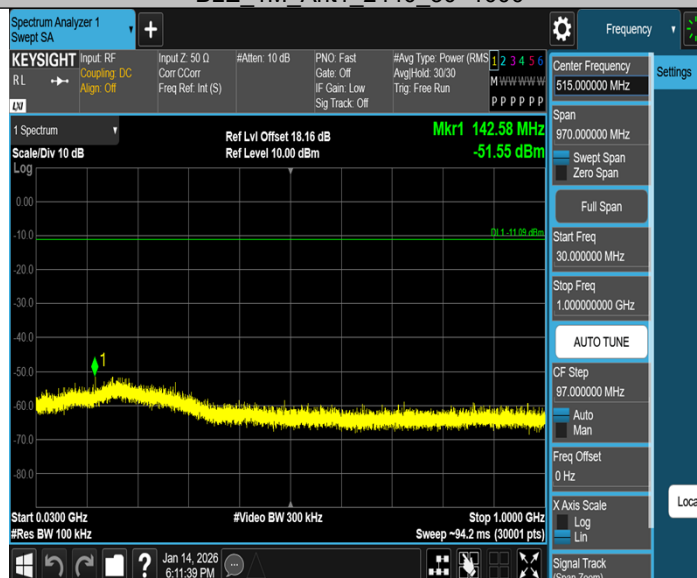




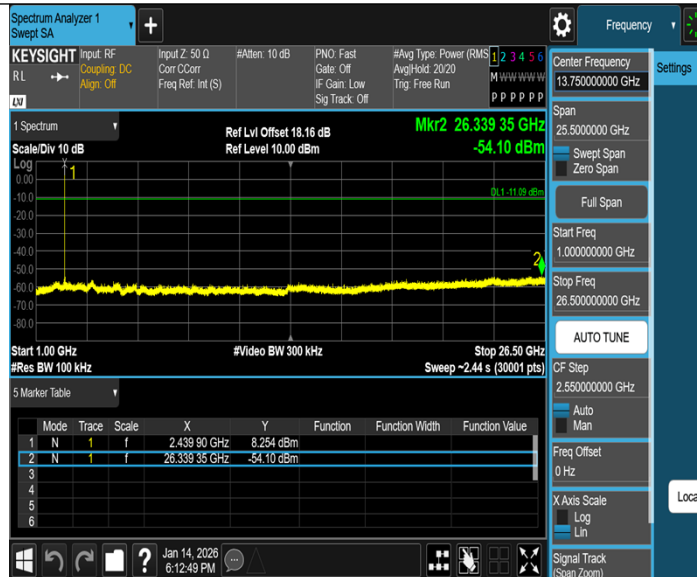
BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



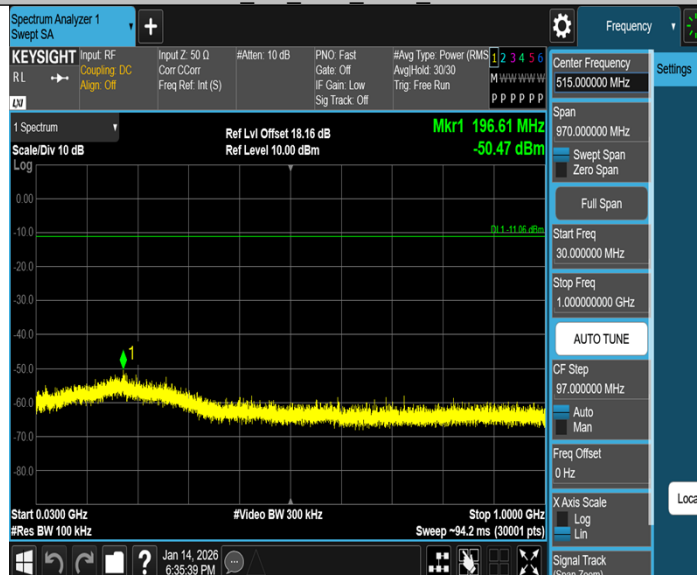
BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500