

APPENDIX C: TEST RESULTS OF BLUETOOTH (LOW ENERGY)

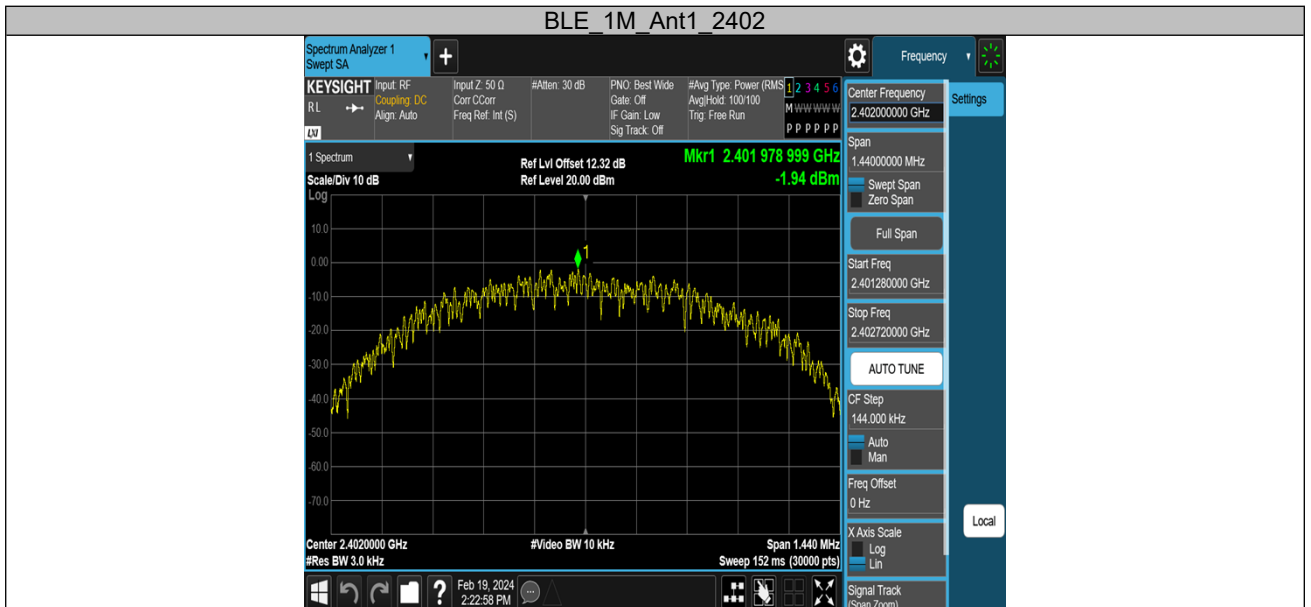
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APPENDIX C.1: CONDUCTED POWER SPECTRAL DENSITY

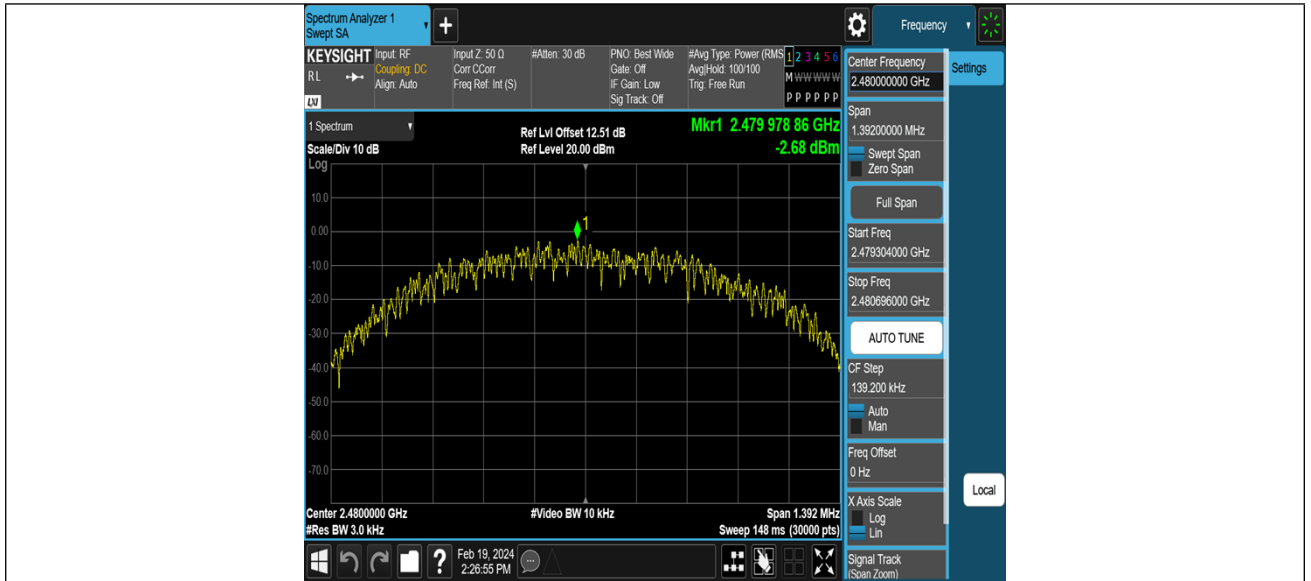
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-1.94	≤8.00	PASS
		2440	-4.49	≤8.00	PASS
		2480	-2.68	≤8.00	PASS
BLE_2M	Ant1	2402	-4.59	≤8.00	PASS
		2440	-4.97	≤8.00	PASS
		2480	-5.35	≤8.00	PASS
BLE_125K	Ant1	2402	3.24	≤8.00	PASS
		2440	3.08	≤8.00	PASS
		2480	2.91	≤8.00	PASS
BLE_500K	Ant1	2402	3.04	≤8.00	PASS
		2440	2.91	≤8.00	PASS
		2480	2.67	≤8.00	PASS

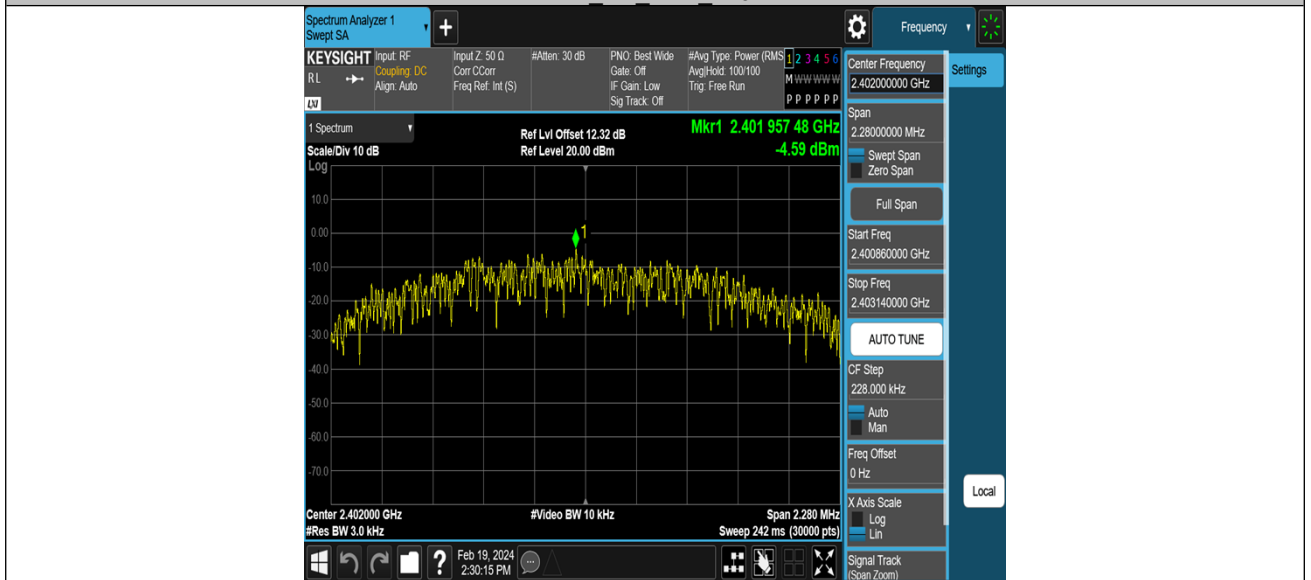
Test Graphs



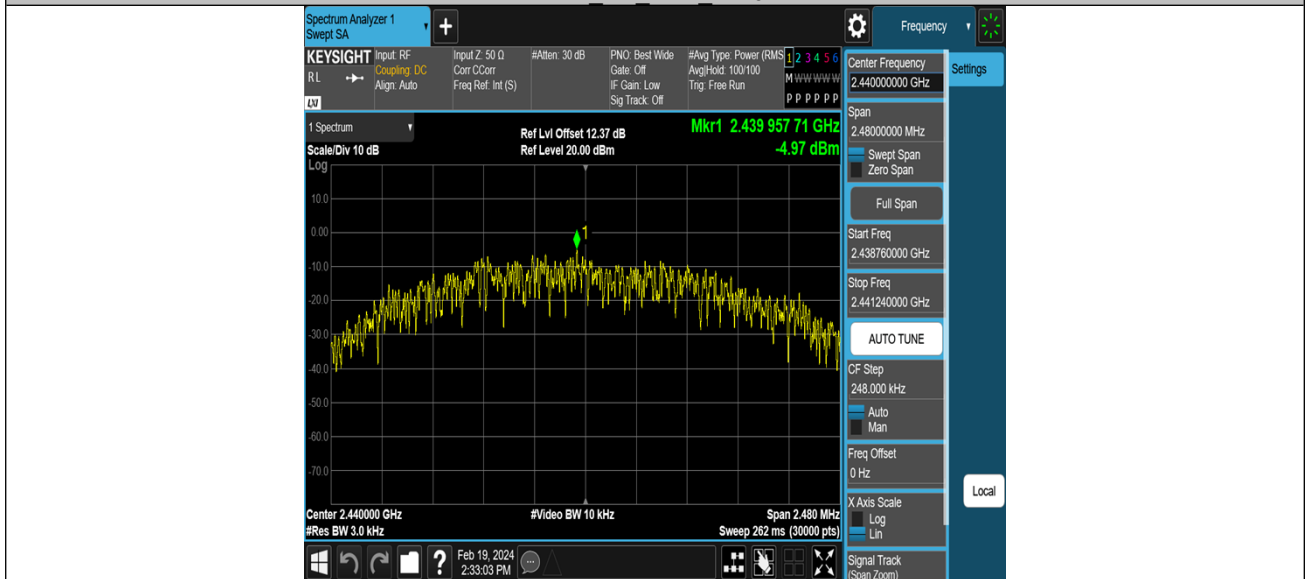
BLE_1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



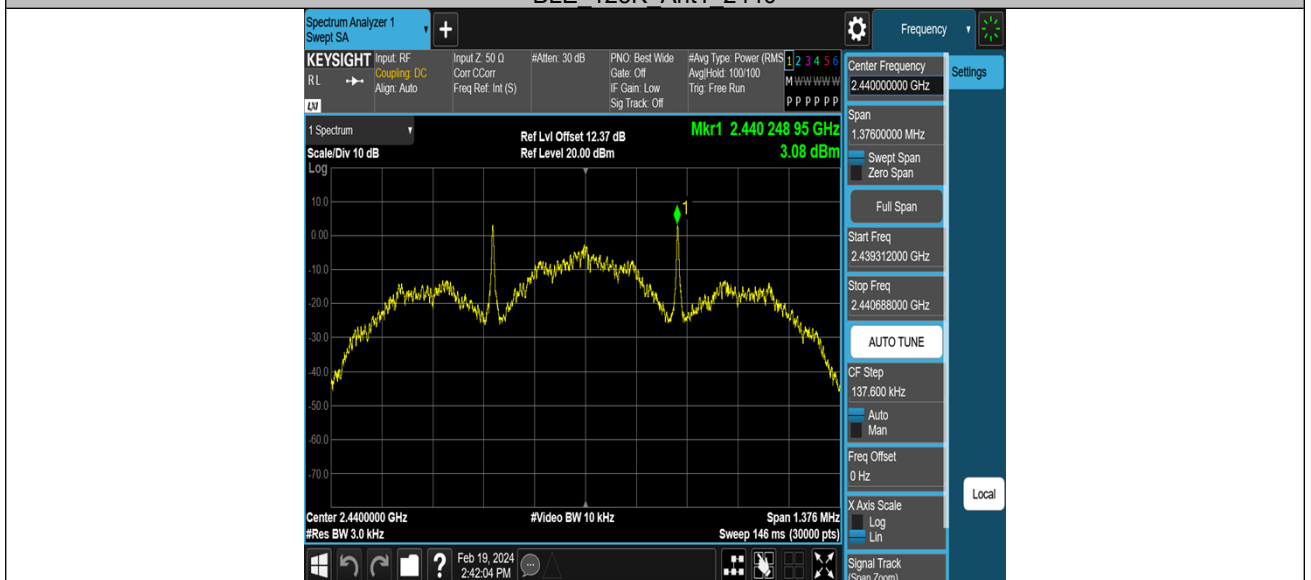
BLE 2M Ant1 2480



BLE 125K Ant1 2402



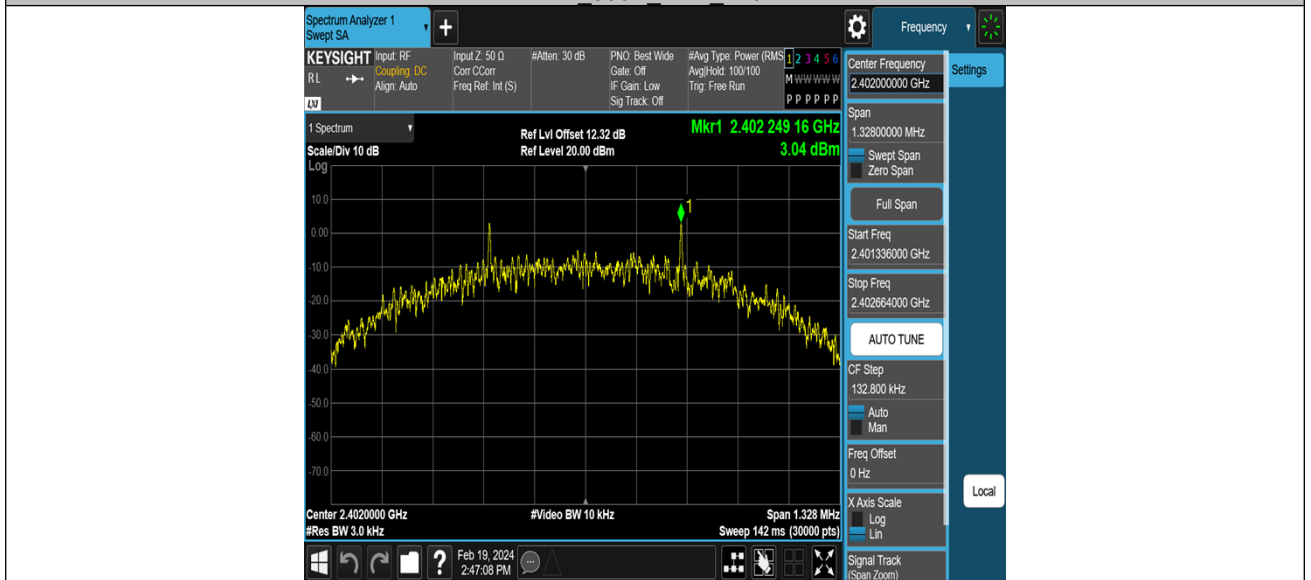
BLE 125K Ant1 2440



BLE 125K Ant1 2480



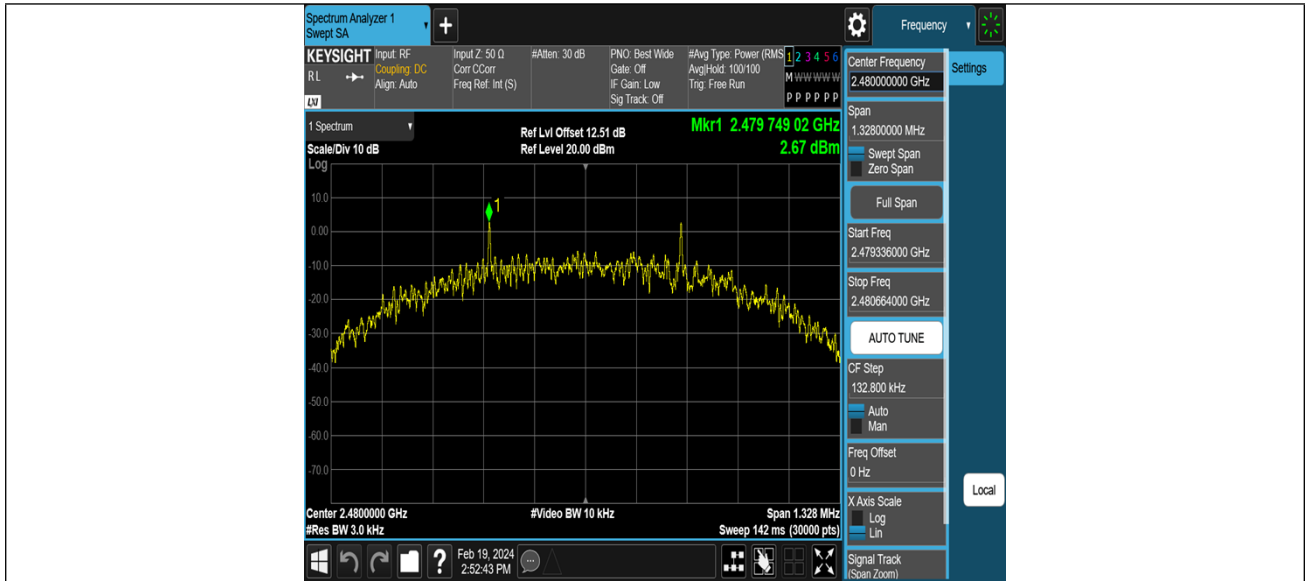
BLE 500K Ant1 2402



BLE 500K Ant1 2440



BLE 500K Ant1 2480



APPENDIX C.2: 6dB BANDWIDTH

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.720	2401.640	2402.360	0.5	PASS
		2440	0.712	2439.640	2440.352	0.5	PASS
		2480	0.696	2479.652	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.140	2401.420	2402.560	0.5	PASS
		2440	1.240	2439.360	2440.600	0.5	PASS
		2480	1.164	2479.420	2480.584	0.5	PASS
BLE_125K	Ant1	2402	0.692	2401.660	2402.352	0.5	PASS
		2440	0.688	2439.660	2440.348	0.5	PASS
		2480	0.692	2479.660	2480.352	0.5	PASS
BLE_500K	Ant1	2402	0.664	2401.676	2402.340	0.5	PASS
		2440	0.720	2439.640	2440.360	0.5	PASS
		2480	0.664	2479.676	2480.340	0.5	PASS

Test Graphs



BLE_1M Ant1_2480





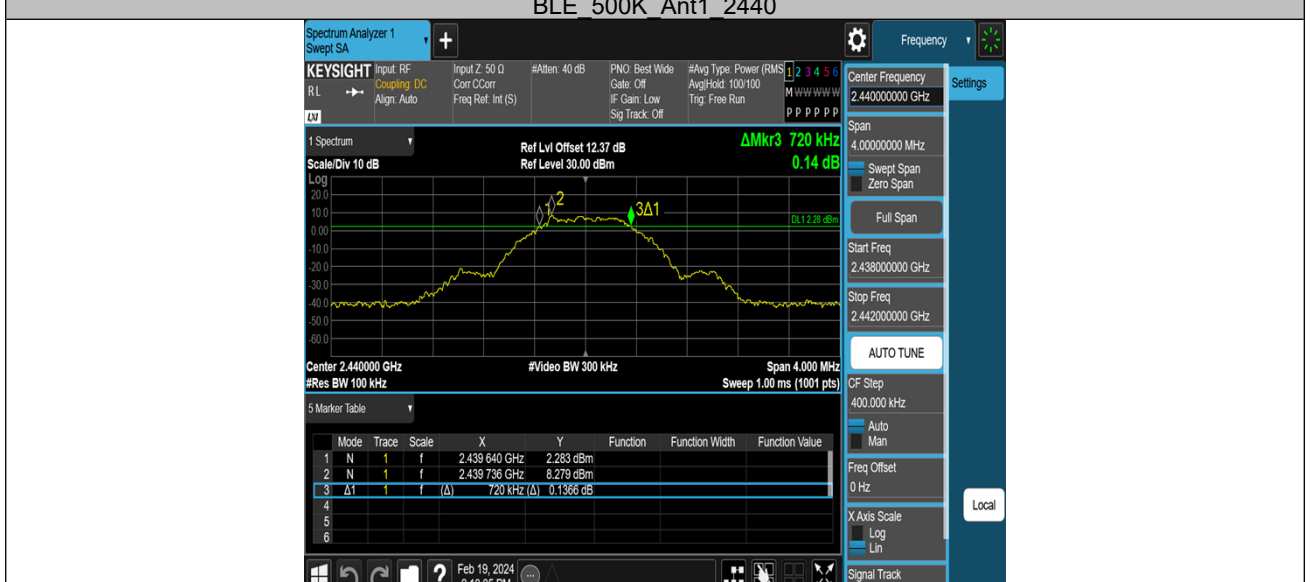
BLE_125K_Ant1_2402



BLE_125K_Ant1_2440



BLE_125K_Ant1_2480





APPENDIX C.3: 99% BANDWIDTH

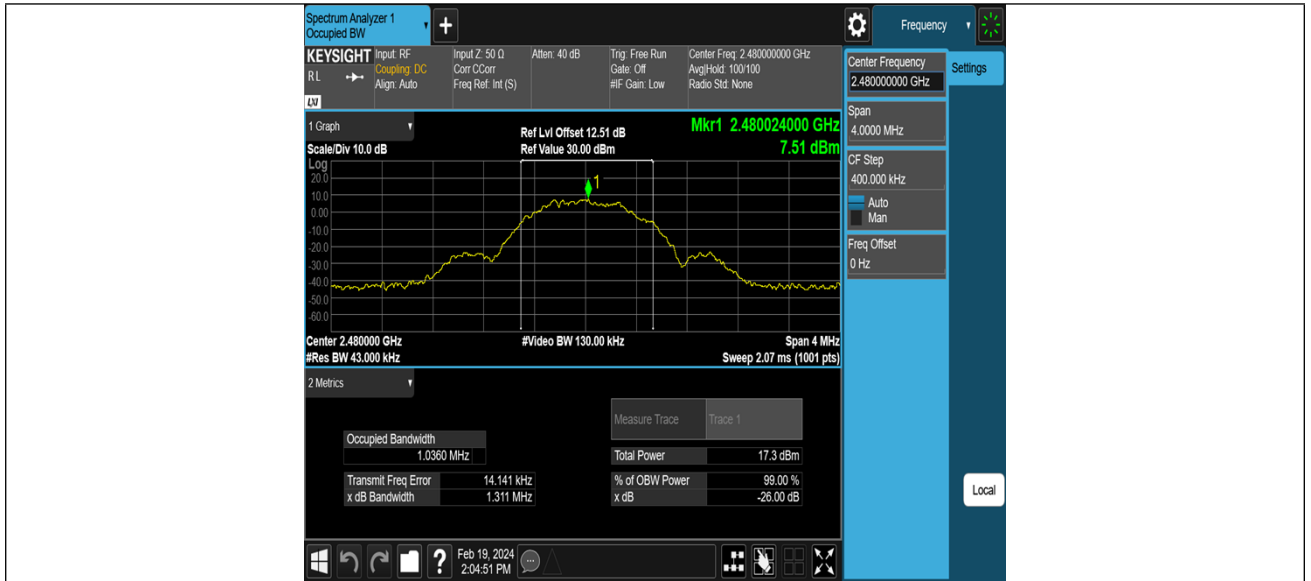
Test Result

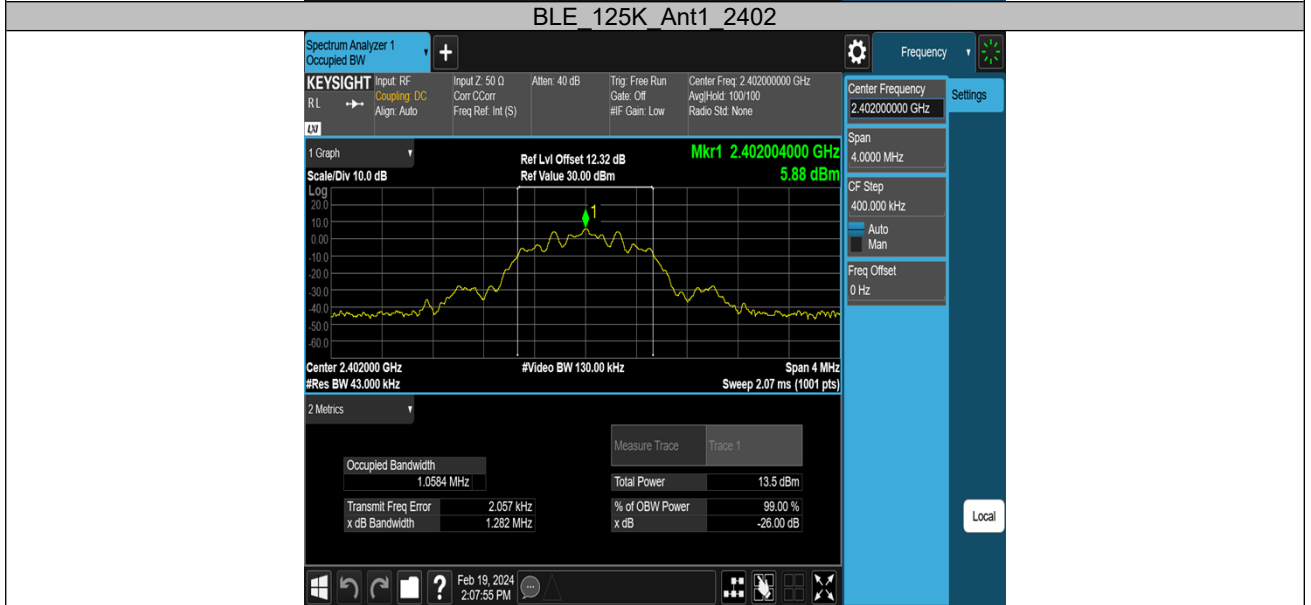
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0250	2401.4982	2402.5232	---	---
		2440	1.0341	2439.4970	2440.5311	---	---
		2480	1.0360	2479.4961	2480.5321	---	---
BLE_2M	Ant1	2402	2.0548	2400.9958	2403.0506	---	---
		2440	2.0711	2438.9903	2441.0614	---	---
		2480	2.0686	2480.9882	2481.0568	---	---
BLE_125K	Ant1	2402	1.0584	2401.4729	2402.5313	---	---
		2440	1.0531	2439.4759	2440.5290	---	---
		2480	1.0576	2479.4730	2480.5306	---	---
BLE_500K	Ant1	2402	1.0239	2401.4905	2402.5144	---	---
		2440	1.0225	2439.4965	2440.5190	---	---
		2480	1.0190	2479.4937	2480.5127	---	---

Test Graphs



BLE_1M Ant1 2480







BLE_500K_Ant1_2480