

Test Data Appendix For BLE (Secondary Antenna)

Table of Contents

Table of Contents	2
Duty Cycle.....	3
Maximum Peak Conducted Output Power	6
-6dB Emission Bandwidth	9
Occupied Bandwidth.....	12
Power Spectral Density	15
Band-edge Emission.....	18
Conducted Spurious Emission	20



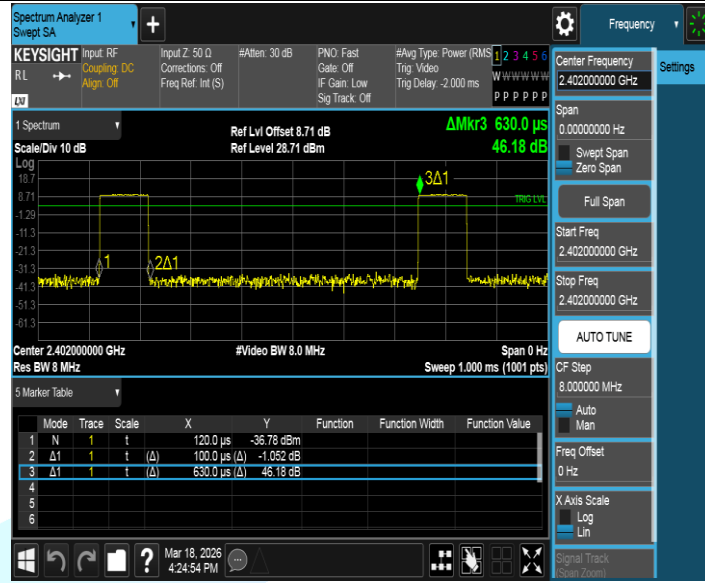
Duty Cycle

Test Mode	Antenna	Frequency (MHz)	ON Time [ms]	Period [ms]	X	DC [%]	X Factor
BLE_1M	Ant1	2402	0.10	0.63	0.1587	15.87	0.78
		2440	0.10	0.63	0.1587	15.87	0.78
		2480	0.10	0.63	0.1587	15.87	0.78

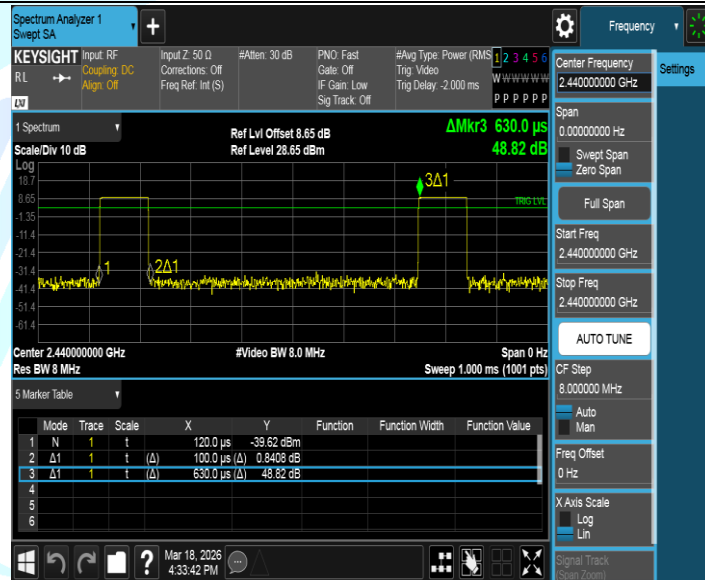


Test Graphs

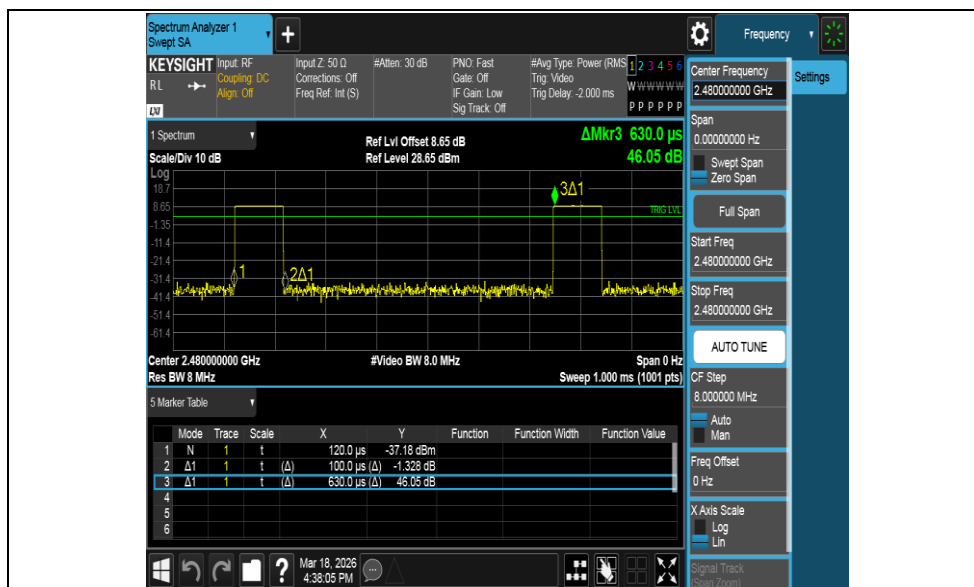
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



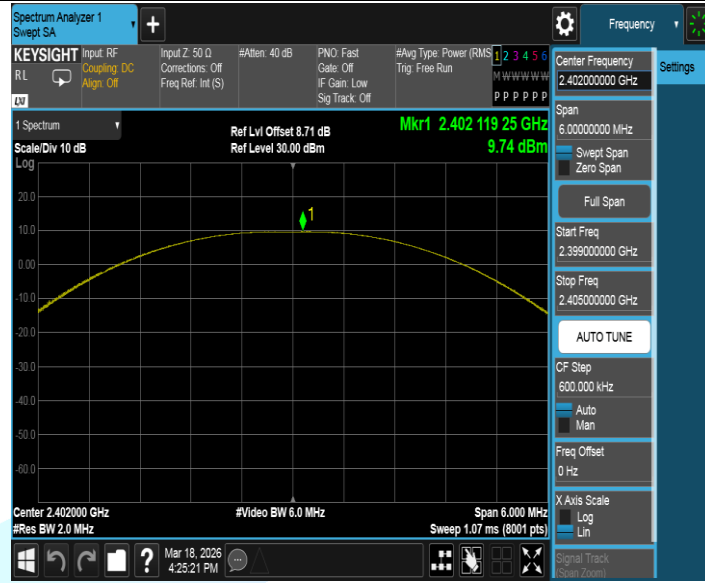
Maximum Peak Conducted Output Power

Test Mode	Antenna	Frequency (MHz)	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	9.74	≤30	PASS
		2440	9.46	≤30	PASS
		2480	9.22	≤30	PASS

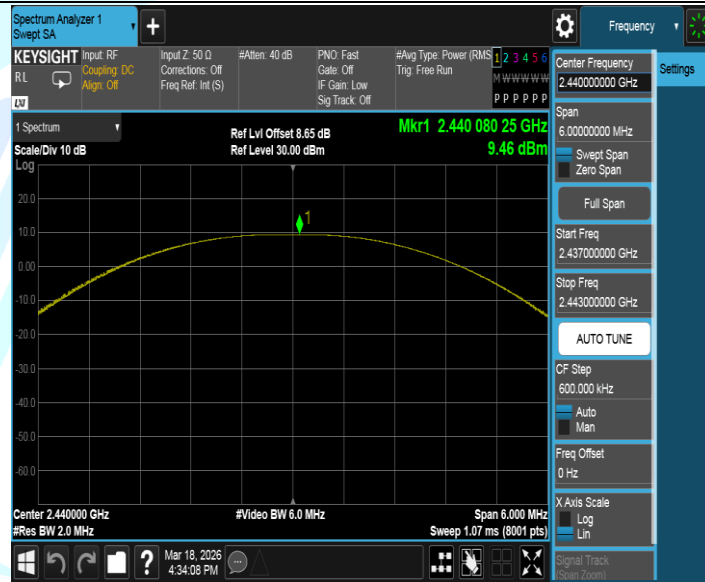


Test Graphs

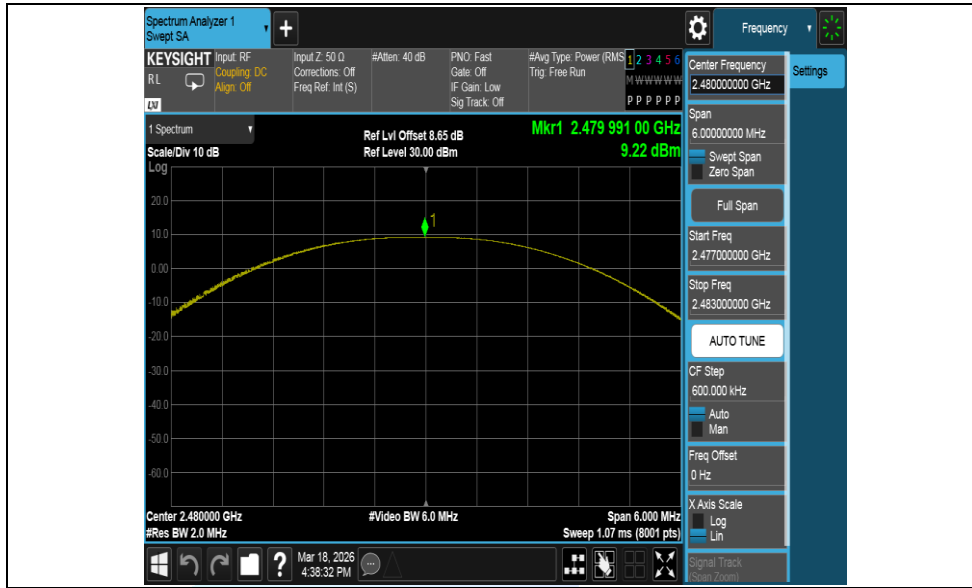
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



-6dB Emission Bandwidth

Test Mode	Antenna	Frequency (MHz)	DTS BW [MHz]	FL[MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.540	2401.656	2402.196	0.5	PASS
		2440	0.540	2439.648	2440.188	0.5	PASS
		2480	0.536	2479.644	2480.180	0.5	PASS







Occupied Bandwidth

Test Mode	Antenna	Frequency (MHz)	OCB [MHz]	FL [MHz]	FH [MHz]
BLE_1M	Ant1	2402	1.0870	2401.4607	2402.5477
		2440	1.0929	2439.4510	2440.5439
		2480	1.1022	2479.4398	2480.5420



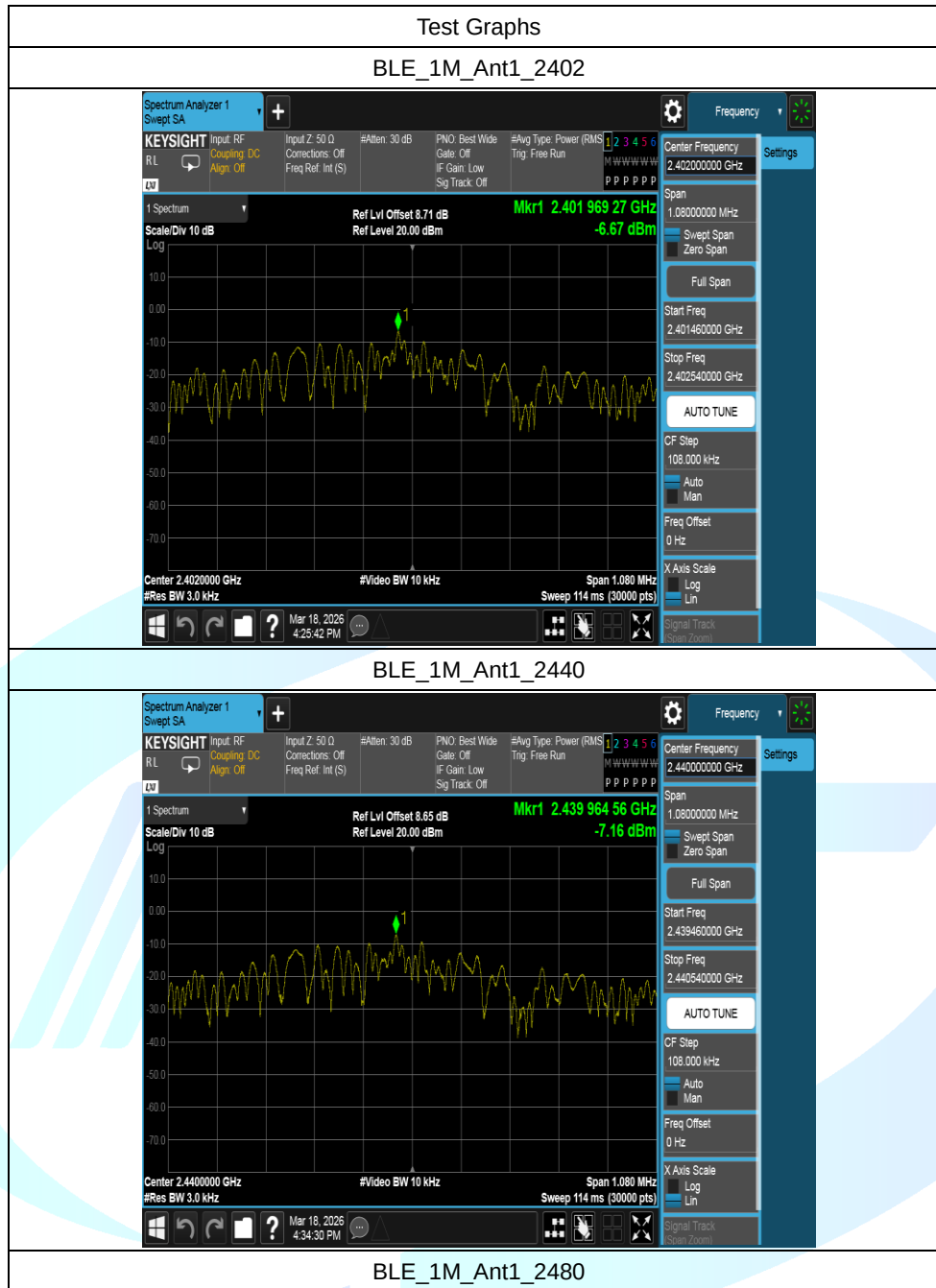




Power Spectral Density

Test Mode	Antenna	Frequency (MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.67	≤8.00	PASS
		2440	-7.16	≤8.00	PASS
		2480	-8.07	≤8.00	PASS



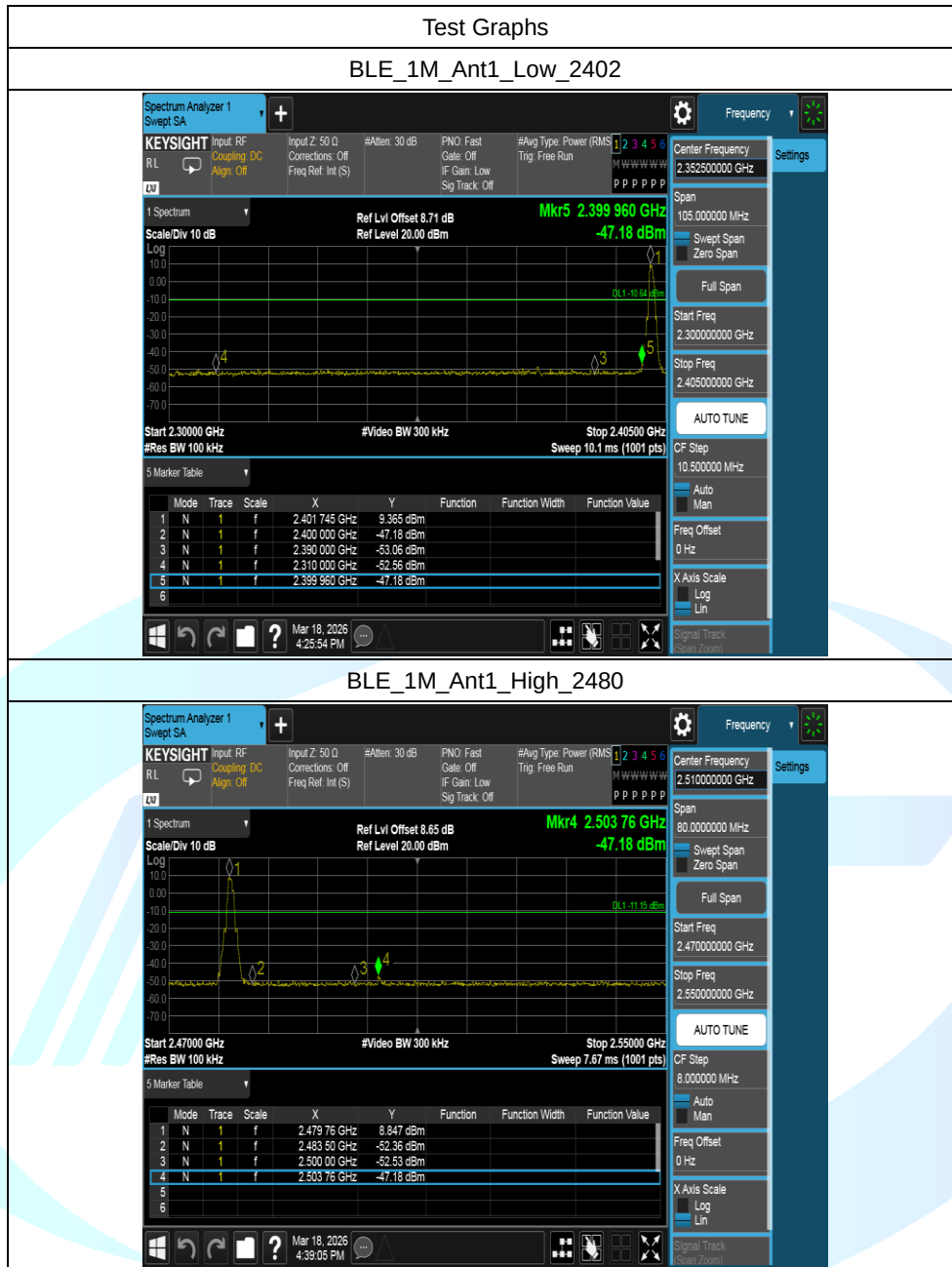




Band-edge Emission

Test Mode	Antenna	Ch Name	Frequency (MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	9.37	-47.18	≤-10.64	PASS
		High	2480	8.85	-47.18	≤-11.15	PASS





Conducted Spurious Emission

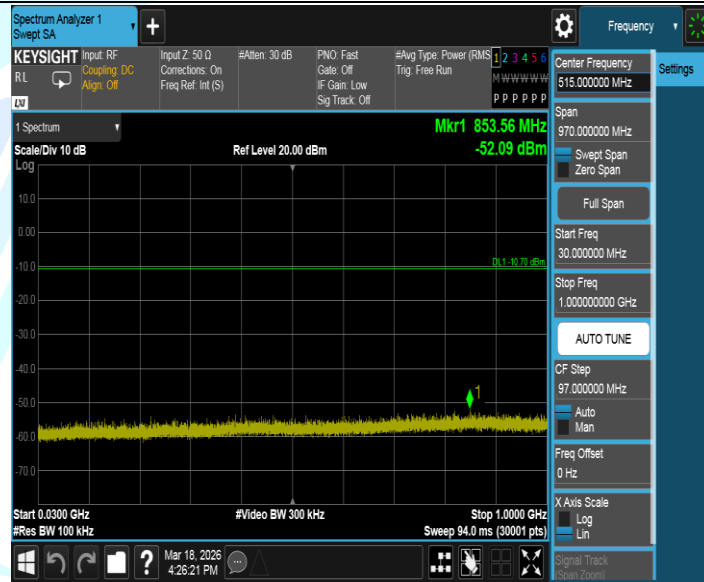
Test Mode	Antenna	Frequency (MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	9.30	9.30	---	PASS
			30~1000	9.30	-52.09	≤ -10.7	PASS
			1000~26500	9.30	-37.83	≤ -10.7	PASS
		2440	Reference	9.07	9.07	---	PASS
			30~1000	9.07	-52.2	≤ -10.93	PASS
			1000~26500	9.07	-31.48	≤ -10.93	PASS
		2480	Reference	8.73	8.73	---	PASS
			30~1000	8.73	-52.99	≤ -11.27	PASS
			1000~26500	8.73	-37.09	≤ -11.27	PASS

Test Graphs

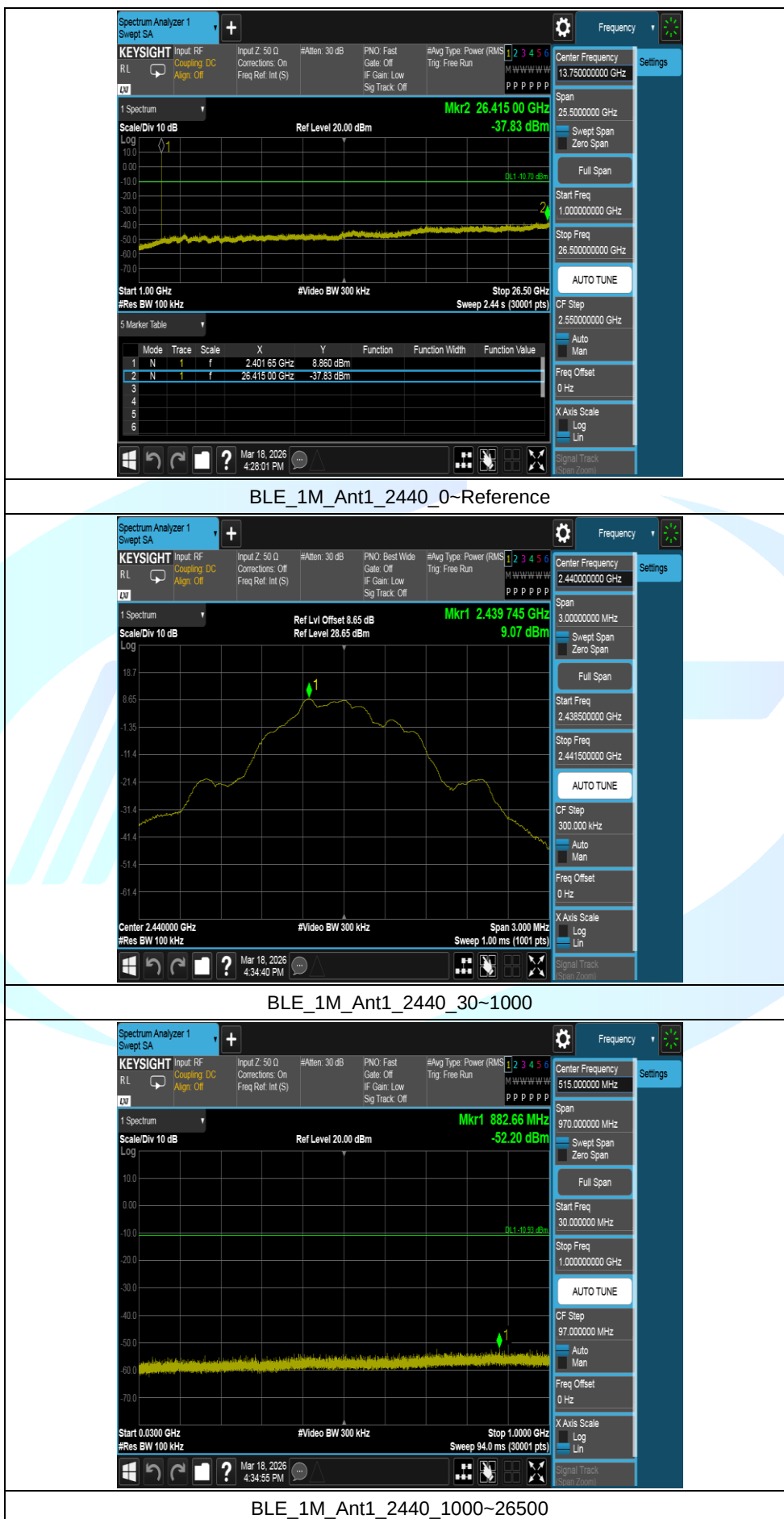
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

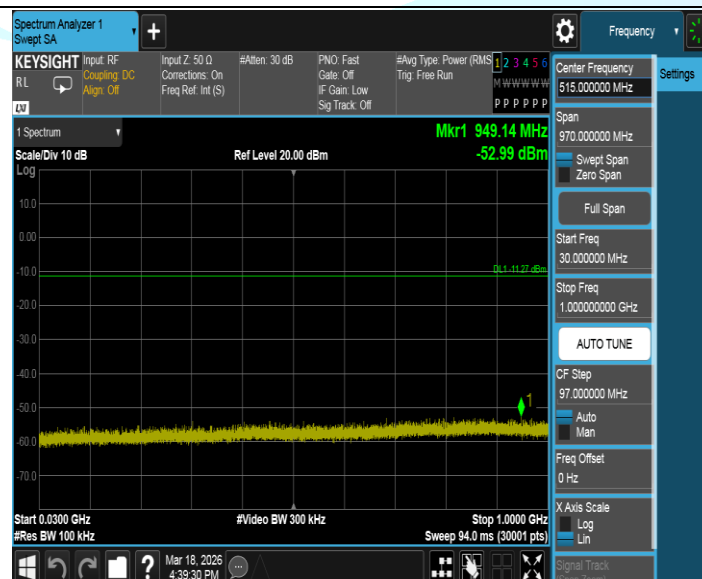




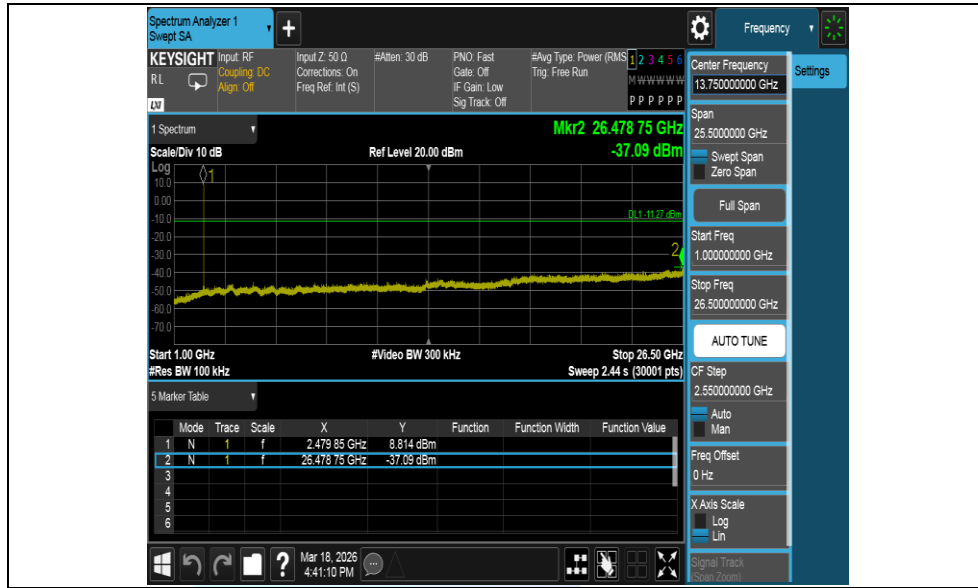
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



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