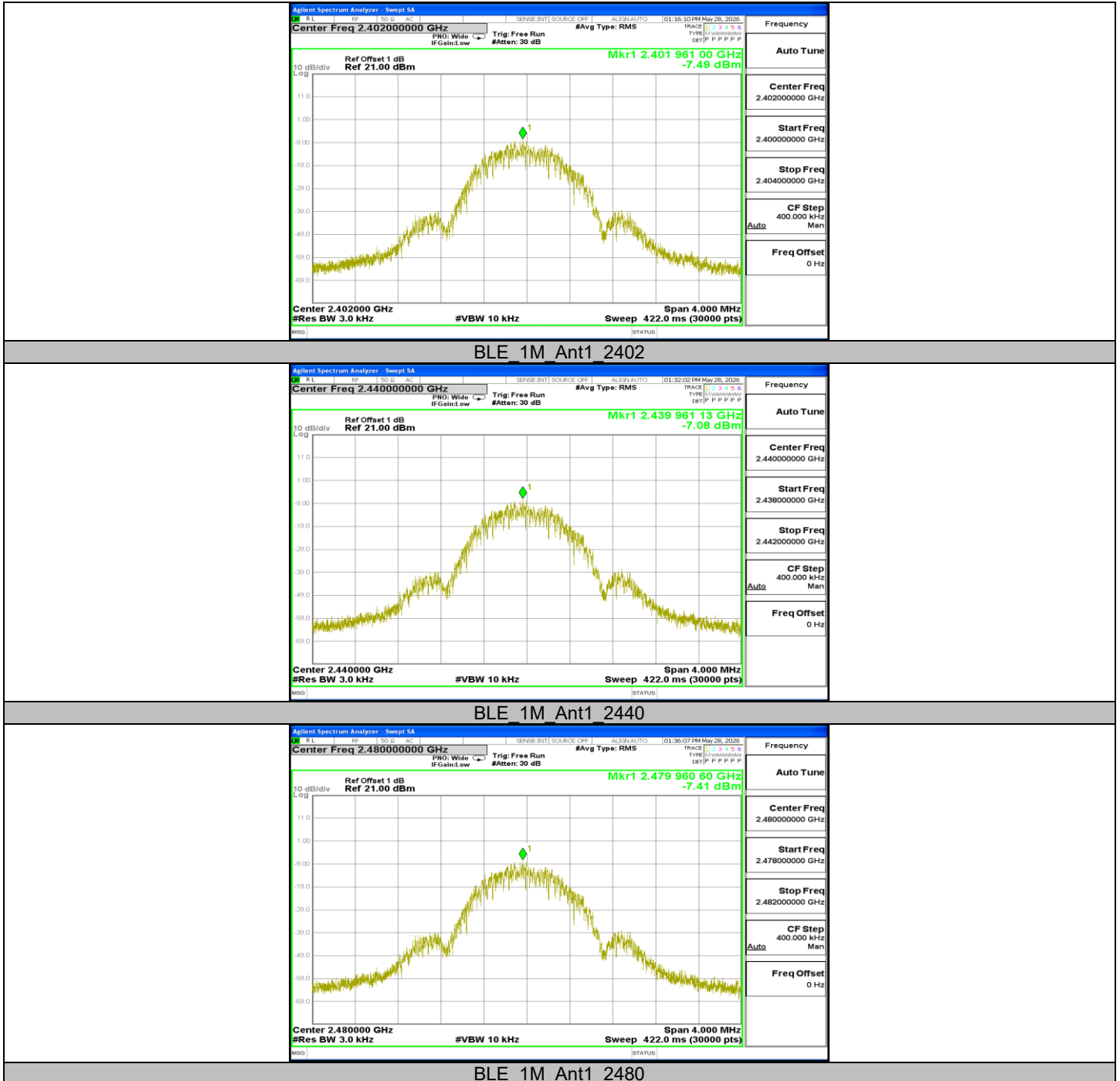
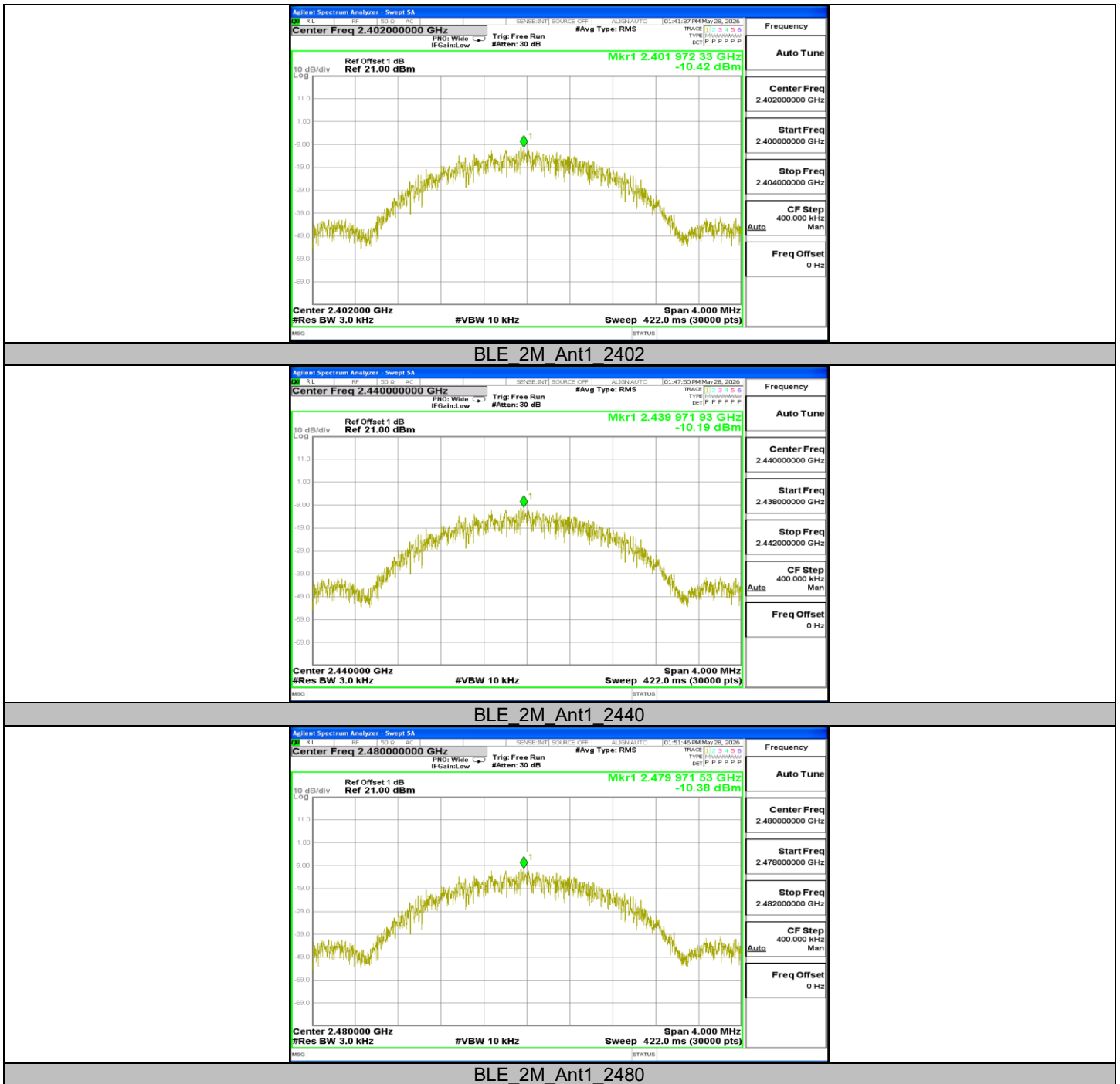
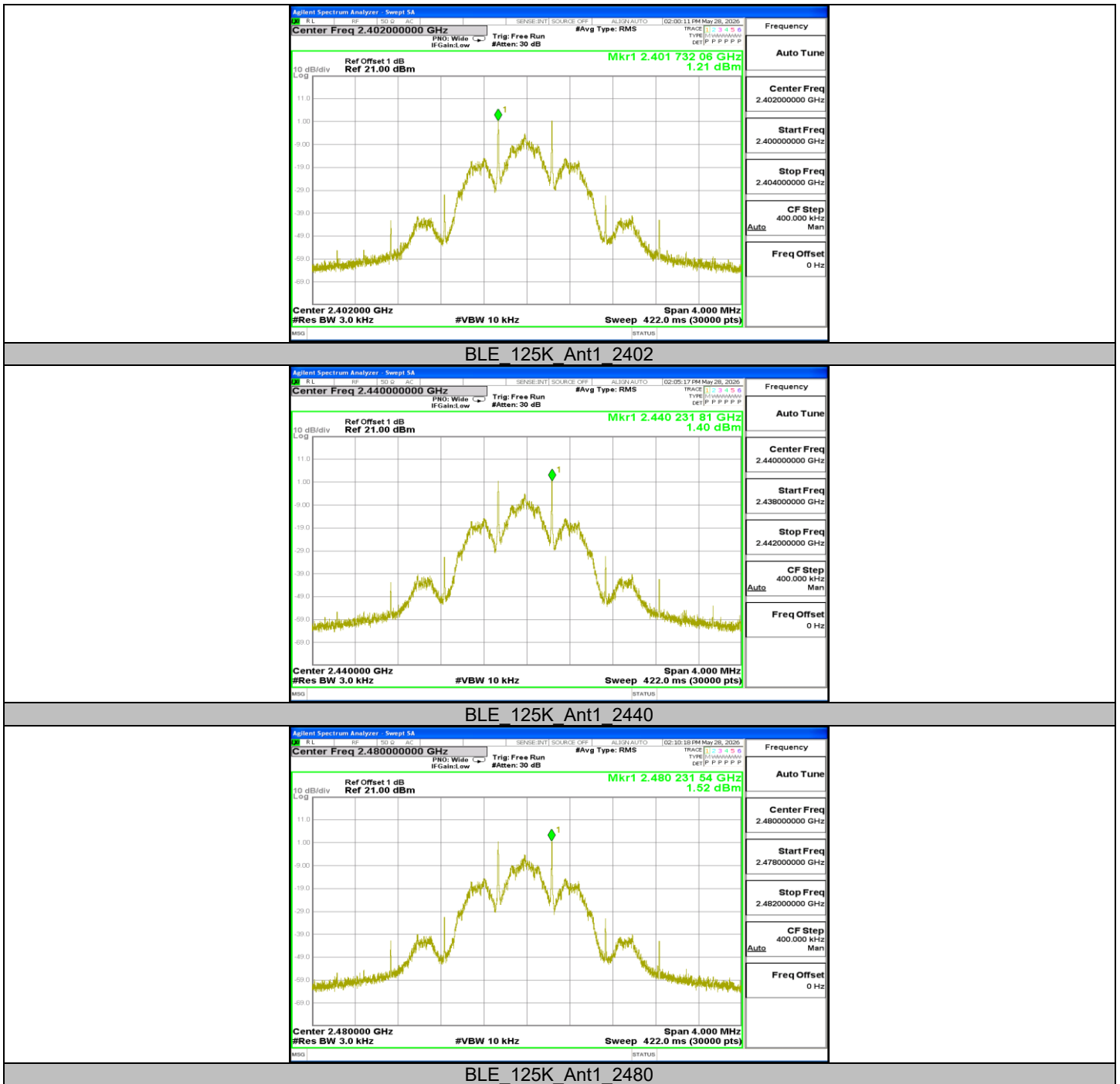
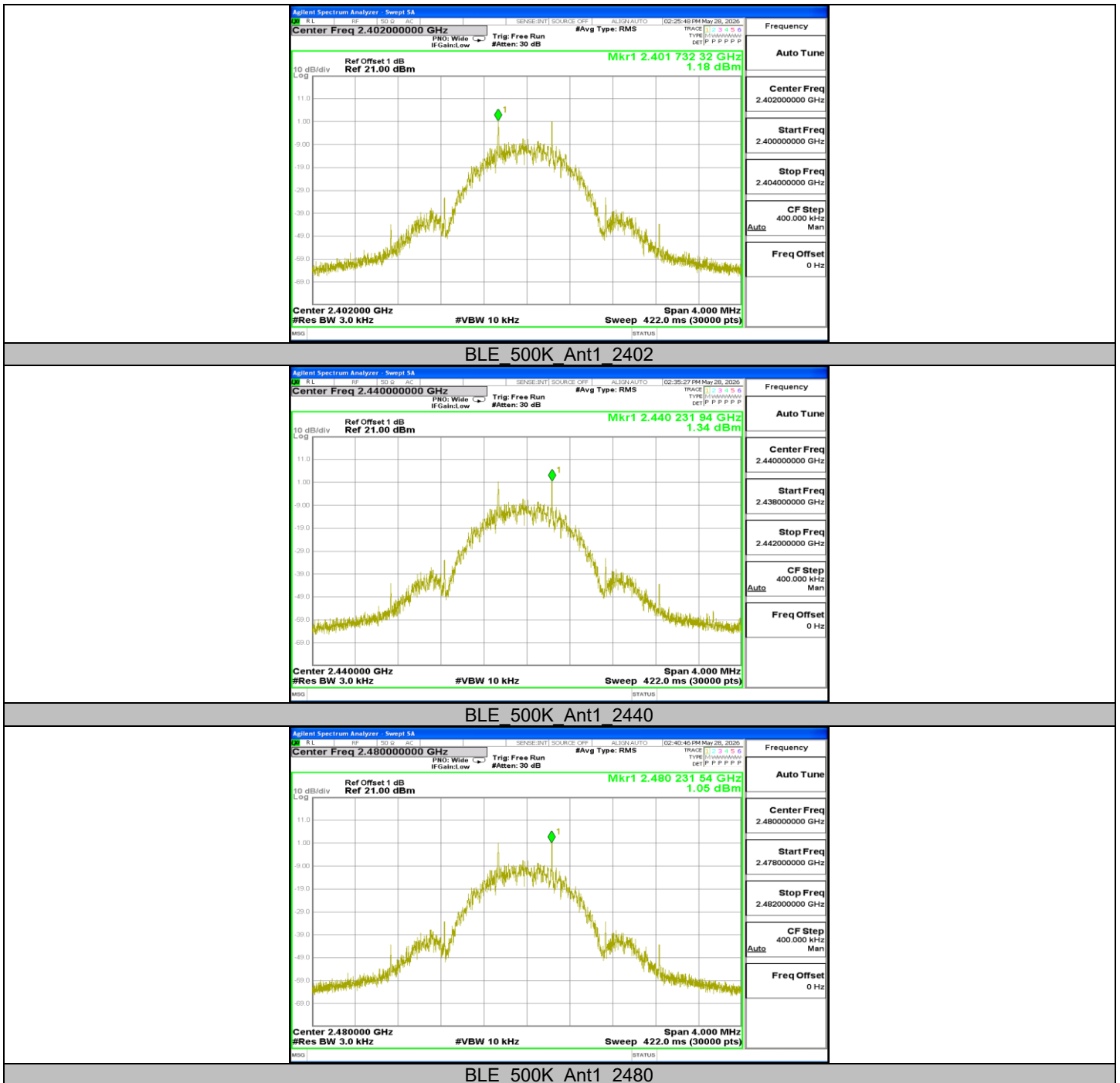


11.4.2. Test Graphs









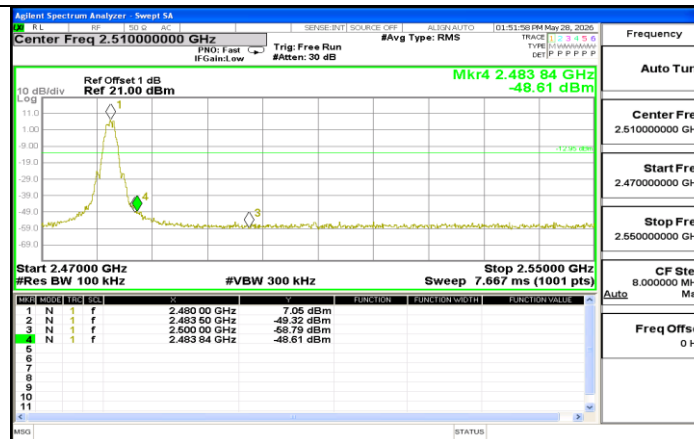
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

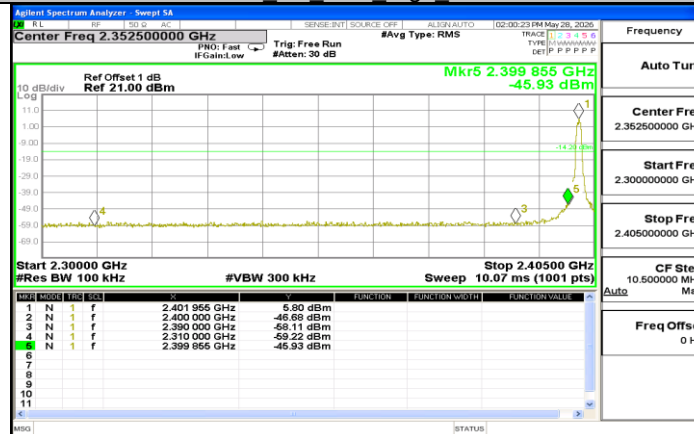
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.15	-46.33	≤ -12.86	PASS
		High	2480	7.16	-51.03	≤ -12.84	PASS
BLE_2M	Ant1	Low	2402	6.89	-25.64	≤ -13.11	PASS
		High	2480	7.05	-48.61	≤ -12.95	PASS
BLE_125K	Ant1	Low	2402	5.80	-45.93	≤ -14.2	PASS
		High	2480	6.74	-50.45	≤ -13.26	PASS
BLE_500K	Ant1	Low	2402	7.08	-46.88	≤ -12.92	PASS
		High	2480	7.00	-50.38	≤ -13	PASS

11.5.2. Test Graphs

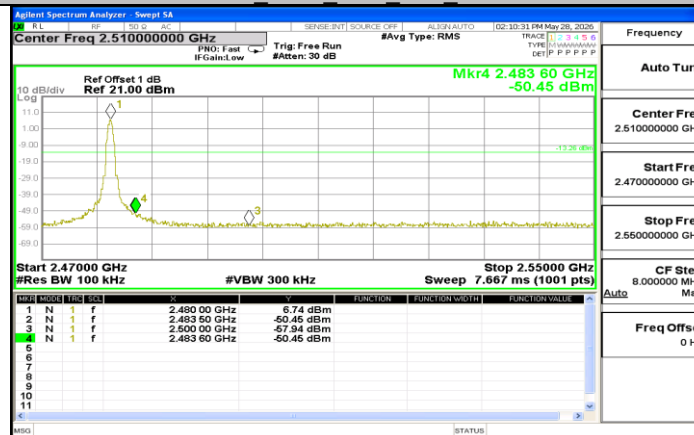




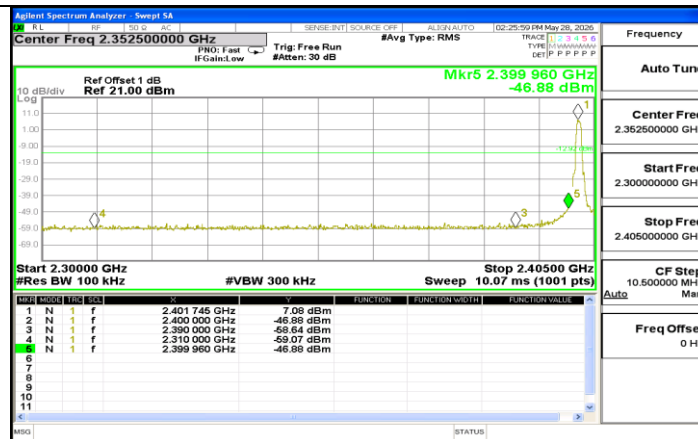
BLE 2M Ant1 High 2480



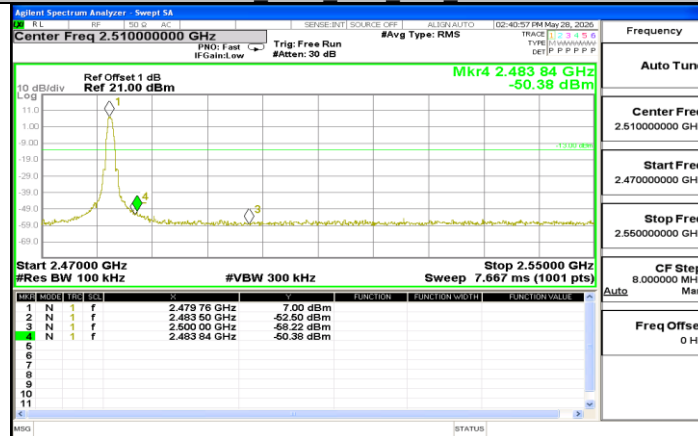
BLE 125K Ant1 Low 2402



BLE 125K Ant1 High 2480



BLE_500K_Ant1_Low_2402



BLE_500K_Ant1_High_2480

11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.89	---	PASS
			30~1000	-1000	≤ -13.11	PASS
			1000~26500	-45.23	≤ -13.11	PASS
		2440	Reference	7.29	---	PASS
			30~1000	-67.61	≤ -12.71	PASS
			1000~26500	-45.91	≤ -12.71	PASS
		2480	Reference	7.01	---	PASS
			30~1000	-67.76	≤ -12.99	PASS
			1000~26500	-48.66	≤ -12.99	PASS
BLE_2M	Ant1	2402	Reference	6.86	---	PASS
			30~1000	-67.55	≤ -13.14	PASS
			1000~26500	-46.94	≤ -13.14	PASS
		2440	Reference	6.83	---	PASS
			30~1000	-67.7	≤ -13.17	PASS
			1000~26500	-49.78	≤ -13.17	PASS
		2480	Reference	6.97	---	PASS
			30~1000	-67.92	≤ -13.03	PASS
			1000~26500	-50.24	≤ -13.03	PASS
BLE_125K	Ant1	2402	Reference	6.33	---	PASS
			30~1000	-67.42	≤ -13.67	PASS
			1000~26500	-48.06	≤ -13.67	PASS
		2440	Reference	6.45	---	PASS
			30~1000	-67.7	≤ -13.55	PASS
			1000~26500	-47.19	≤ -13.55	PASS
		2480	Reference	6.34	---	PASS
			30~1000	-67.94	≤ -13.66	PASS
			1000~26500	-50.63	≤ -13.66	PASS
BLE_500K	Ant1	2402	Reference	7.19	---	PASS
			30~1000	-67.72	≤ -12.81	PASS
			1000~26500	-47.84	≤ -12.81	PASS
		2440	Reference	7.56	---	PASS
			30~1000	-67.38	≤ -12.44	PASS
			1000~26500	-47.63	≤ -12.44	PASS
		2480	Reference	7.22	---	PASS
			30~1000	-67.97	≤ -12.78	PASS
			1000~26500	-48.31	≤ -12.78	PASS

Note: Offset = Cable loss + Attenuator factor

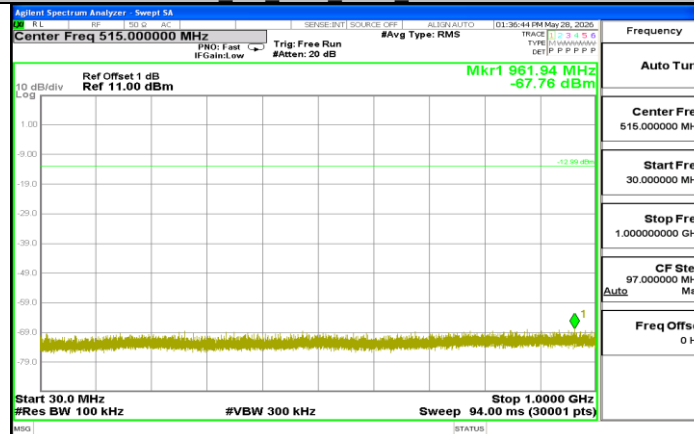
11.6.2. Test Graphs



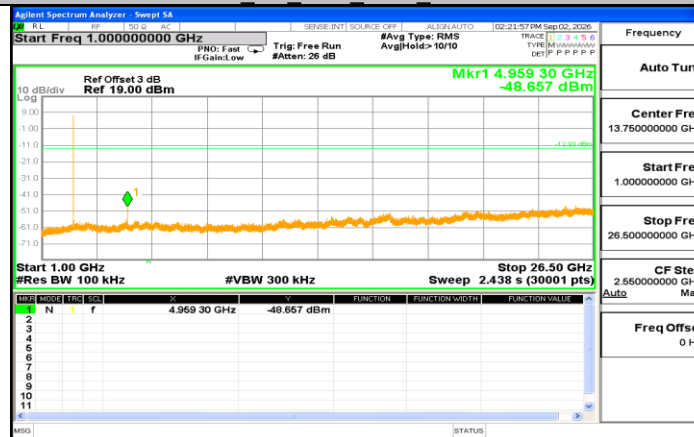




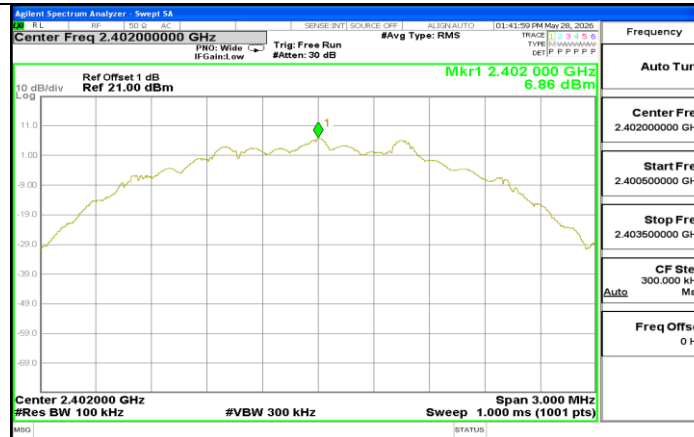
BLE 1M Ant1 2480 0~Reference



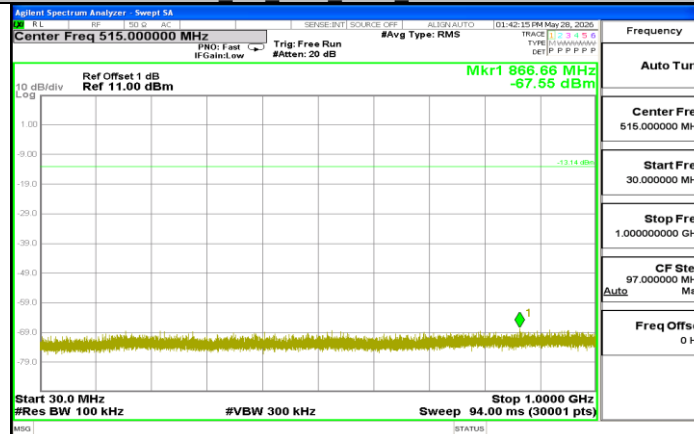
BLE 1M Ant1 2480 30~1000



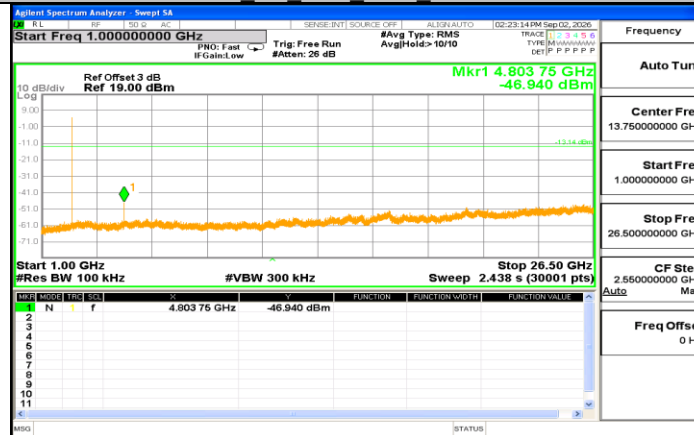
BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402 0~Reference



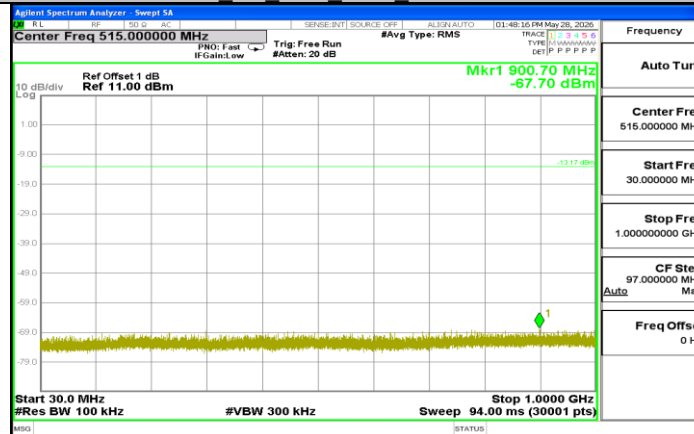
BLE 2M Ant1 2402 30~1000



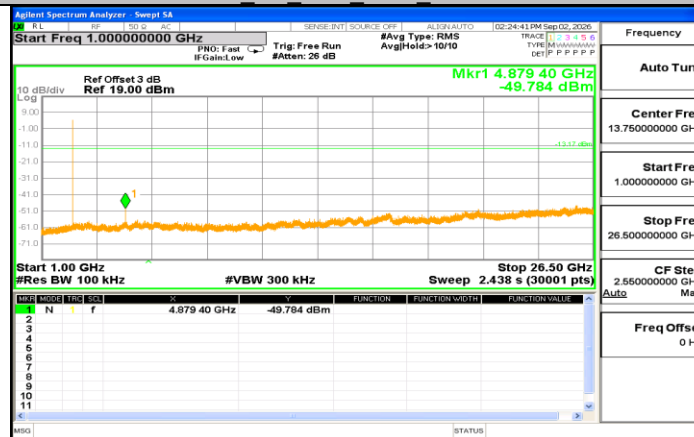
BLE 2M Ant1 2402 1000~26500



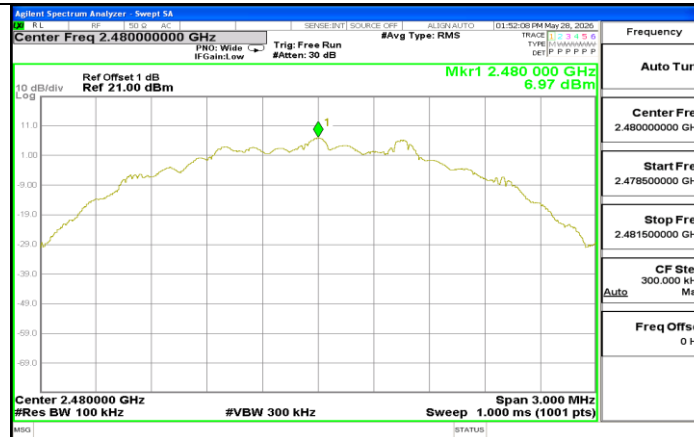
BLE 2M Ant1 2440 0~Reference



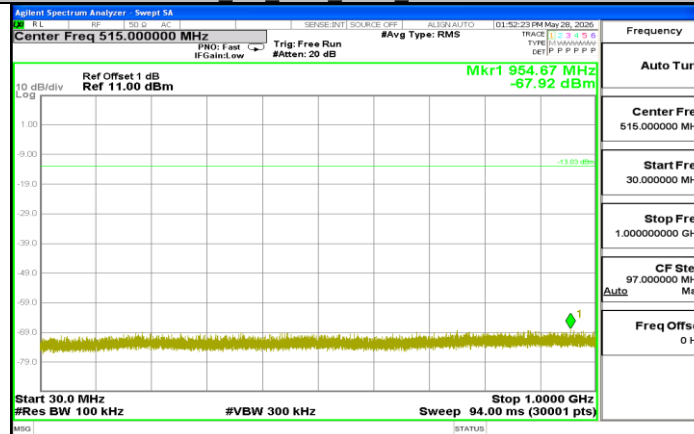
BLE 2M Ant1 2440 30~1000



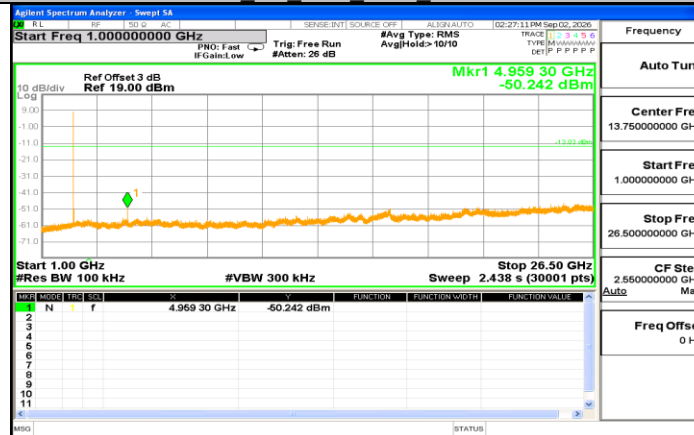
BLE 2M Ant1 2440 1000~26500



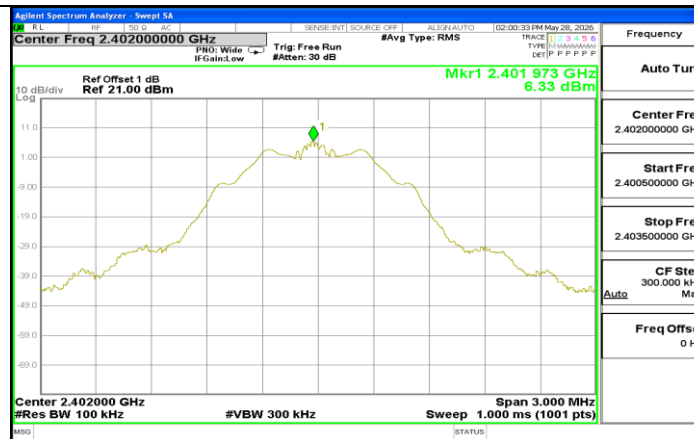
BLE 2M Ant1 2480 0~Reference



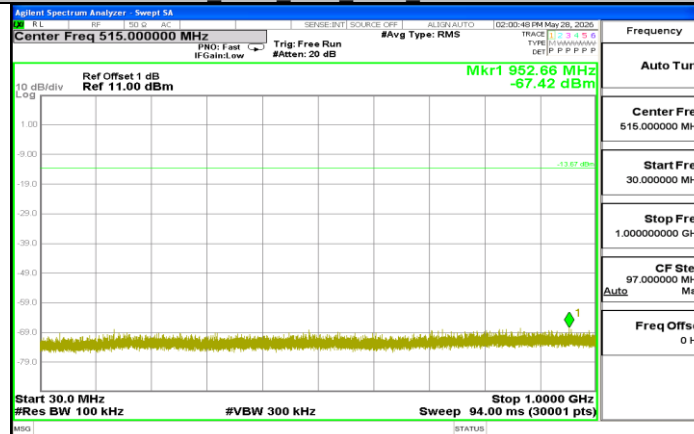
BLE 2M Ant1 2480 30~1000



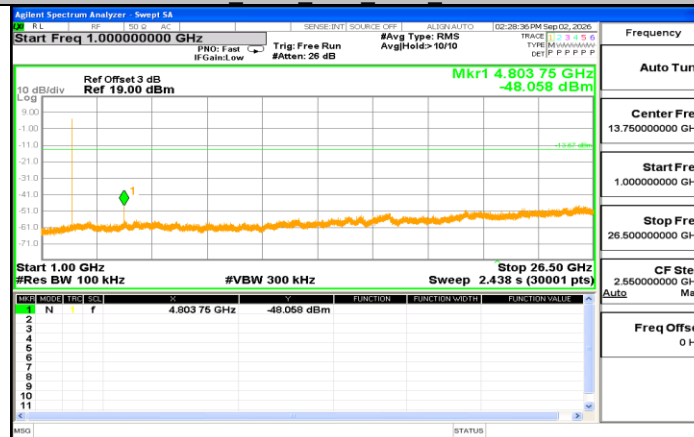
BLE 2M Ant1 2480 1000~26500



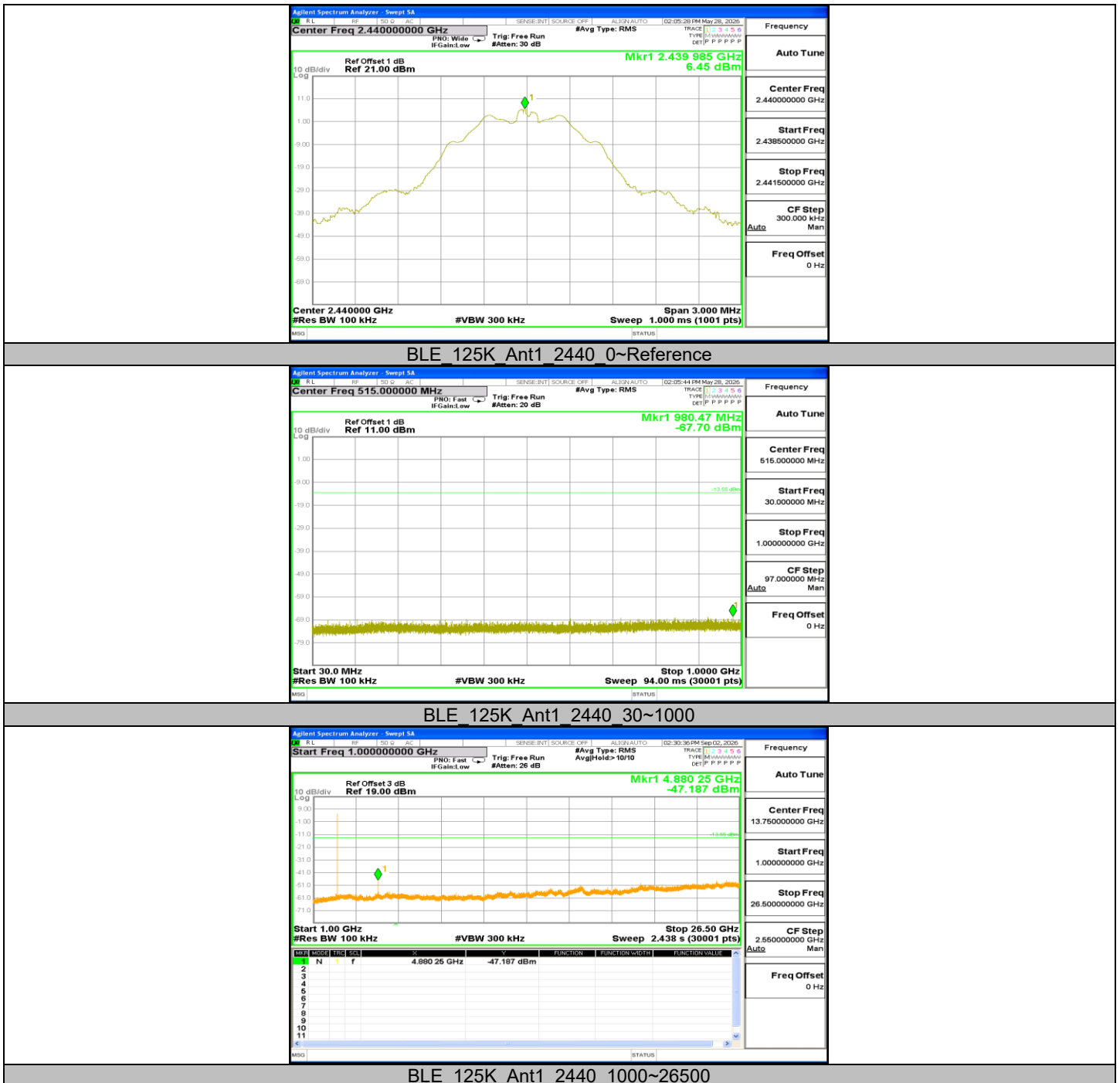
BLE_125K_Ant1_2402_0~Reference

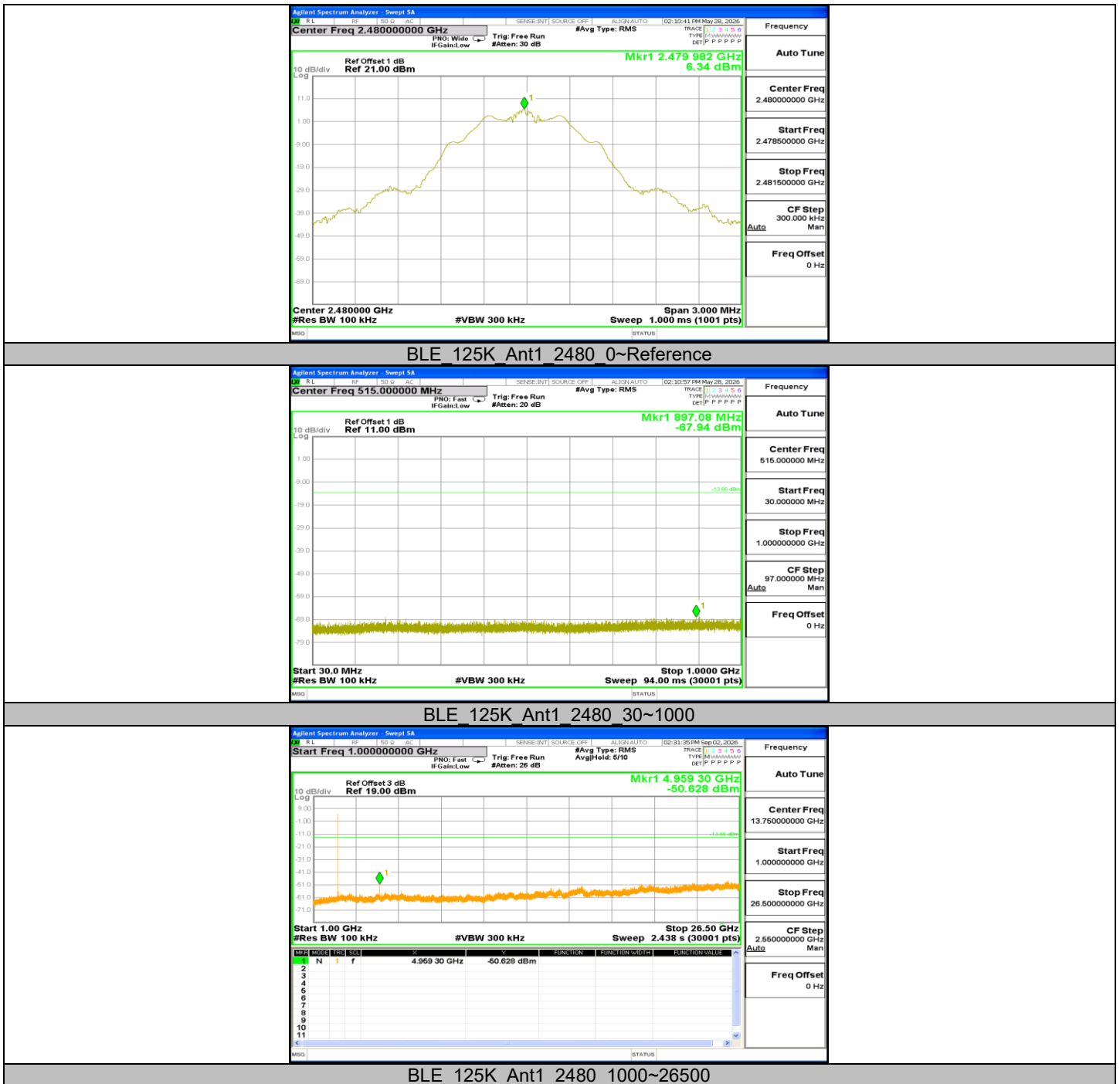


BLE_125K_Ant1_2402_30~1000



BLE_125K_Ant1_2402_1000~26500











11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
BLE_1M	0.39	0.62	0.6290	62.90	2.01	2.56	3
BLE_2M	1.08	1.88	0.5745	57.45	2.41	0.93	1
BLE_125K	3.11	3.75	0.8293	82.93	0.81	0.32	1
BLE_500K	1.07	1.87	0.5722	57.22	2.42	0.93	1

Note:

Duty Cycle Correction Factor = $10 \log (1/x)$.

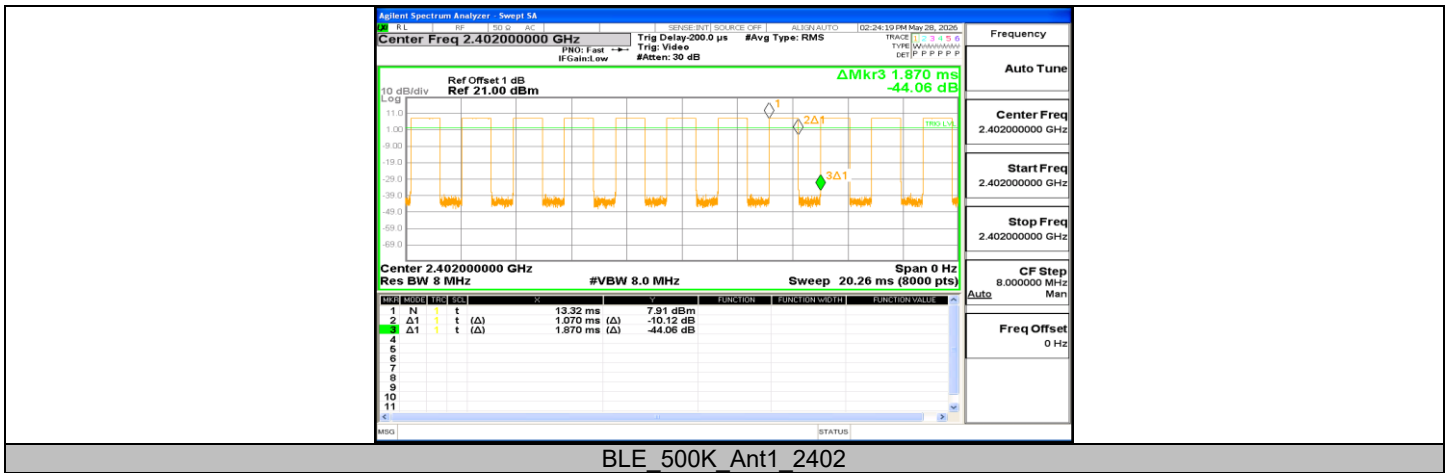
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs





END OF REPORT