

Appendix Test Data

Report No.:	18220WC30071601	Test Sample No.:	1-2-2
Start Test Date:	2023.04.25	Finish Test Date:	2023.04.25
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	27.0°C	Relative Humidity:	46%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.632	2402.288	0.5	PASS
		2440	0.620	2439.648	2440.268	0.5	PASS
		2480	0.636	2479.632	2480.268	0.5	PASS

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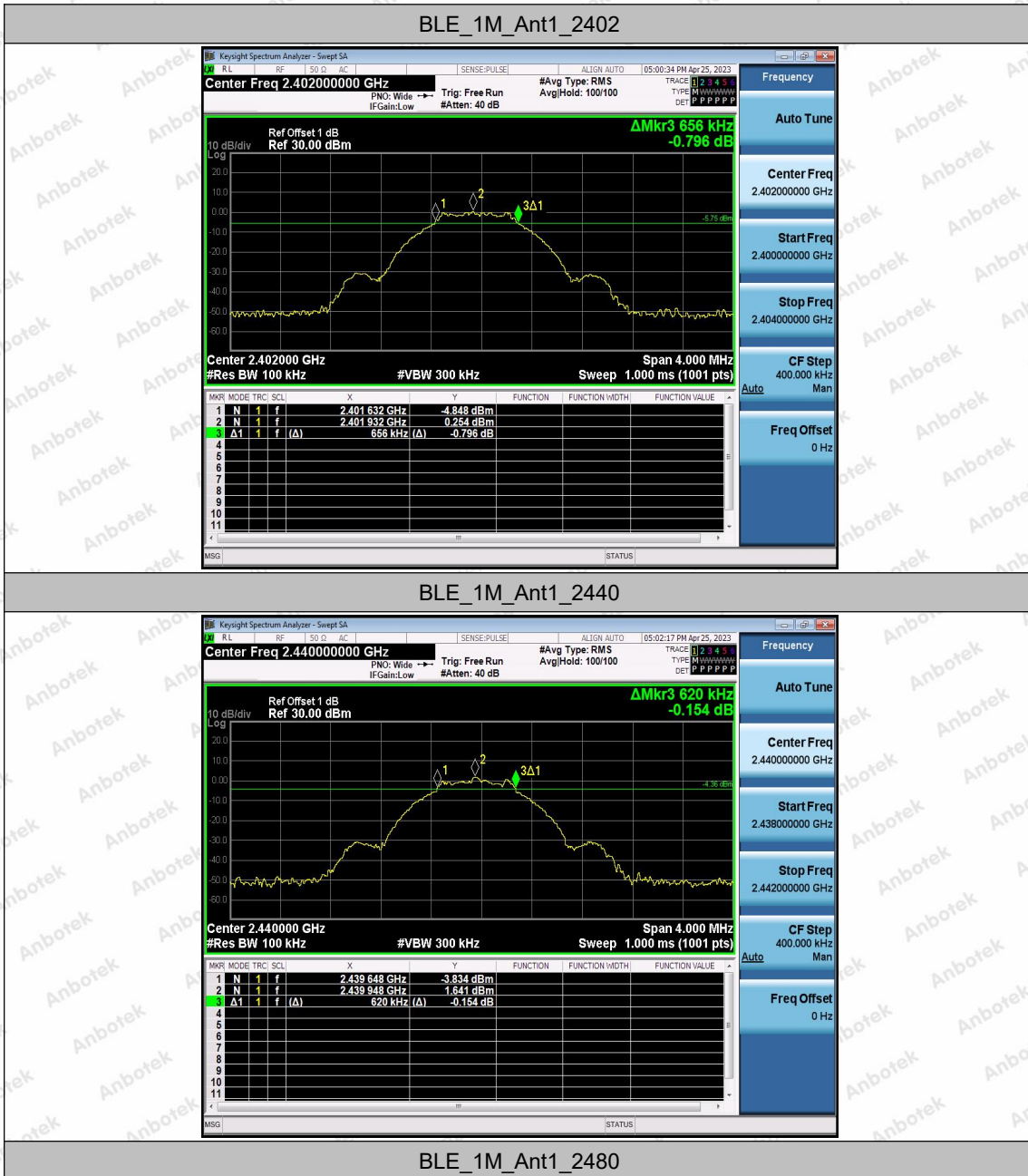
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Test Graphs

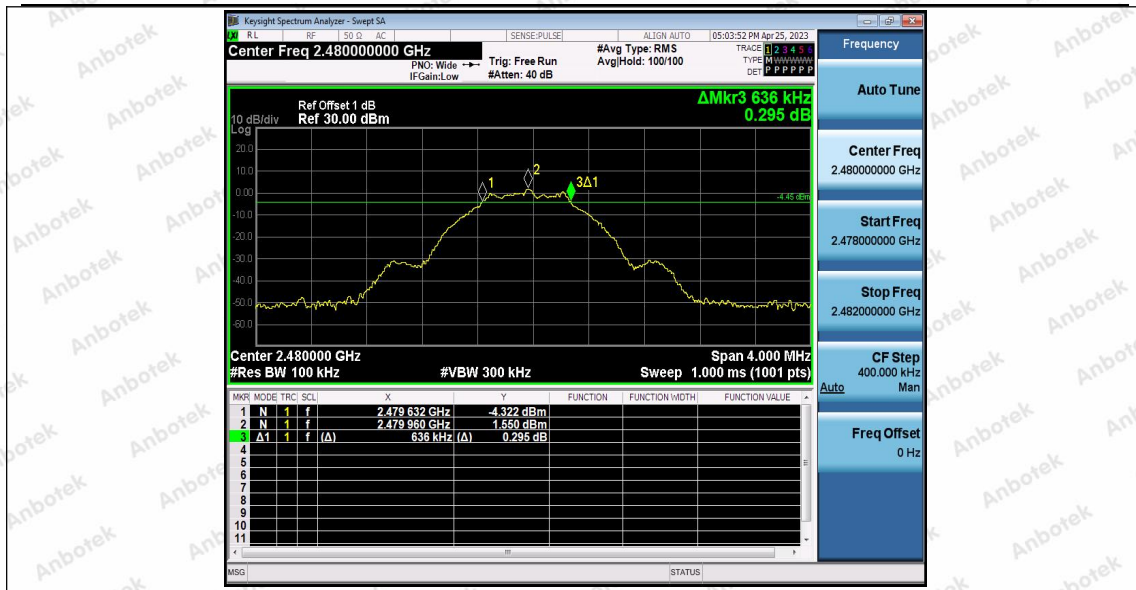


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0261	2401.4431	2402.4692
		2440	1.0201	2439.4453	2440.4654
		2480	1.0296	2479.4379	2480.4675

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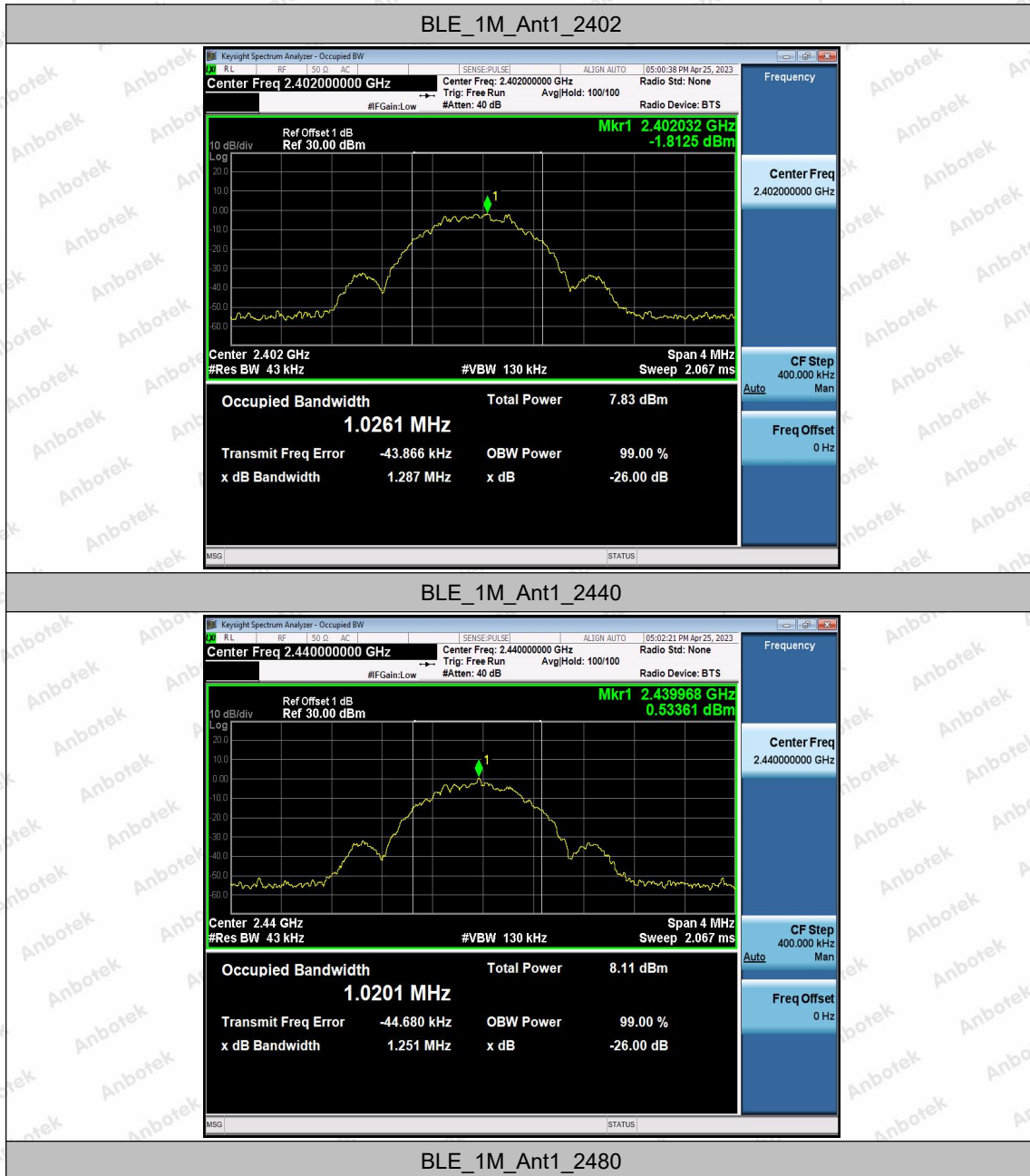
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.93	≤30	PASS
		2440	2.04	≤30	PASS
		2480	2	≤30	PASS

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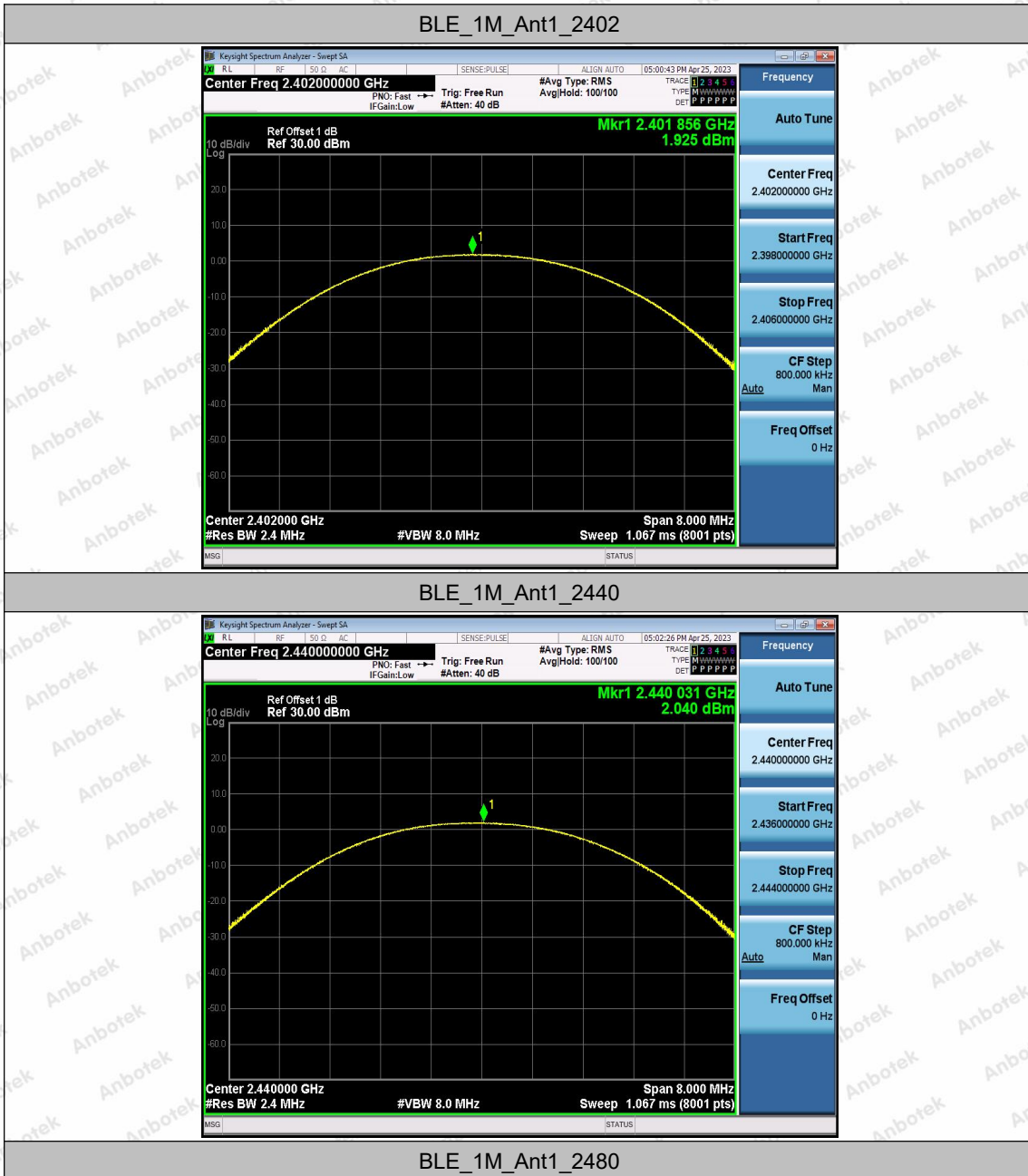
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Test Graphs Peak



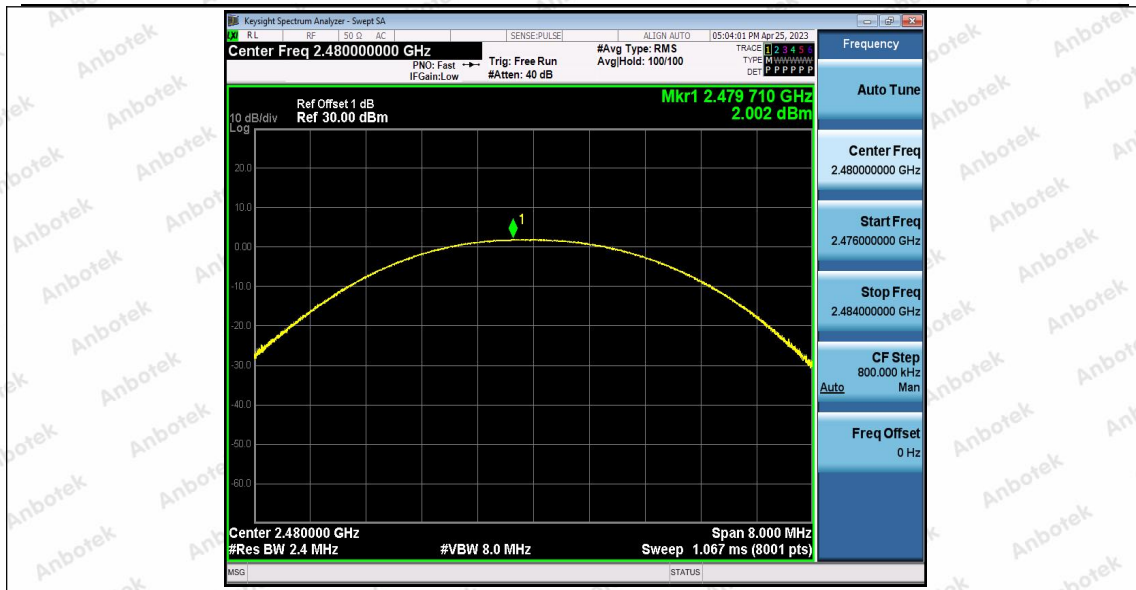
BLE_1M_Ant1_2480

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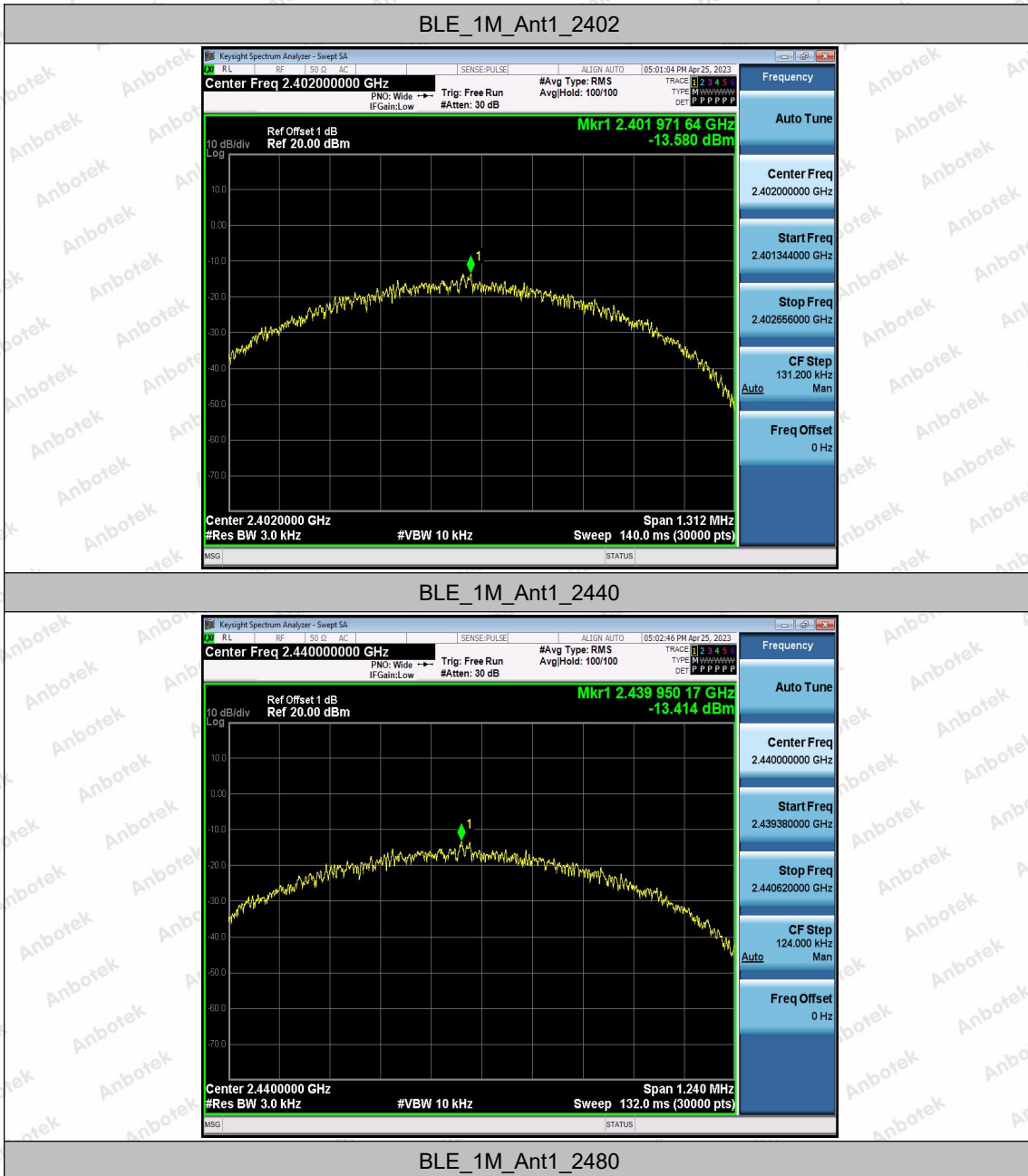
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.58	≤8.00	PASS
		2440	-13.41	≤8.00	PASS
		2480	-13.22	≤8.00	PASS



Test Graphs



BLE_1M_Ant1_2480

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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.02	-52.38	≤-18.98	PASS
		High	2480	0.31	-56.43	≤-19.69	PASS

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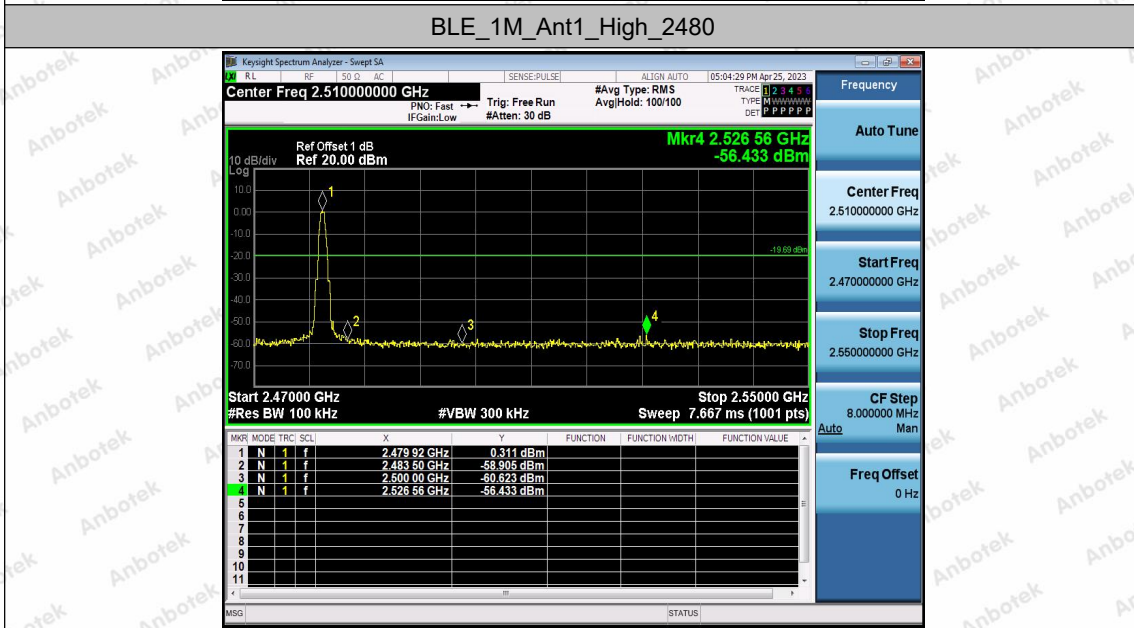
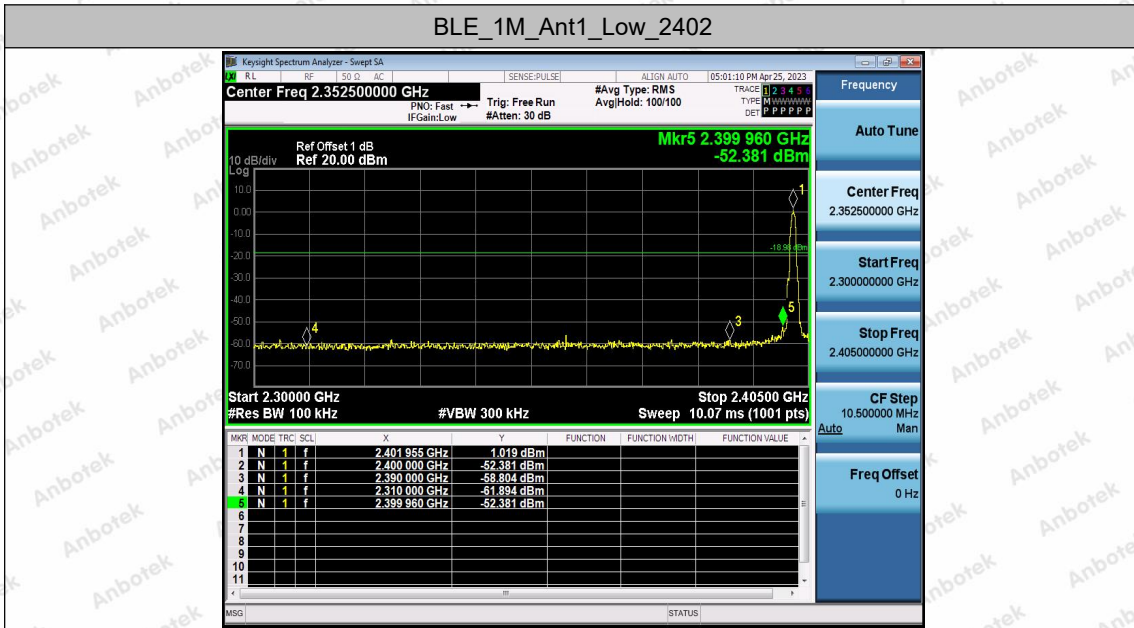
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-65.92	≤-20.64	PASS
			1000~26500	-0.64	-53.1	≤-20.64	PASS
		2440	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-66.21	≤-19.83	PASS
			1000~26500	0.17	-52.95	≤-19.83	PASS
		2480	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-67.33	≤-20.15	PASS
			1000~26500	-0.15	-53.79	≤-20.15	PASS

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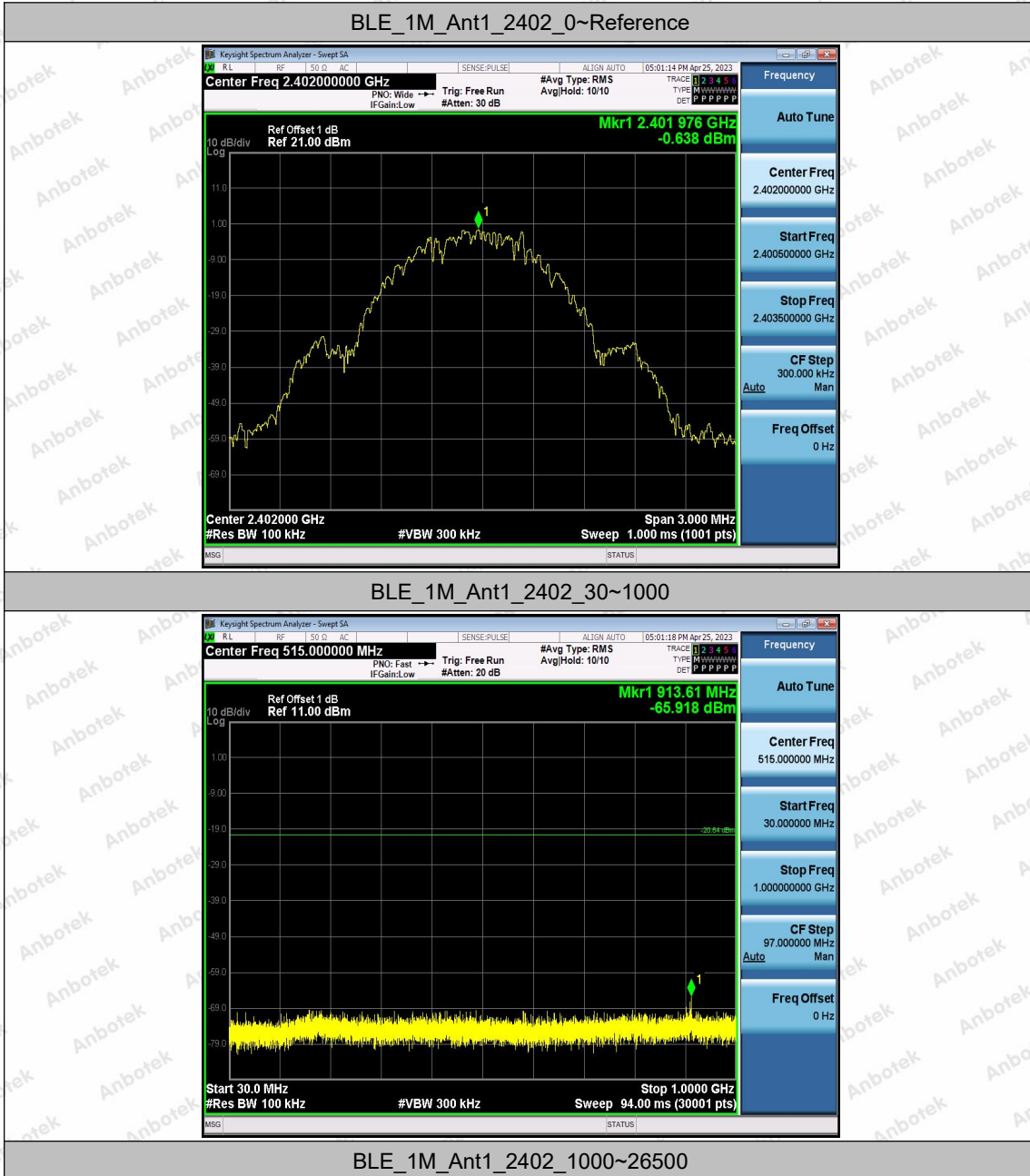
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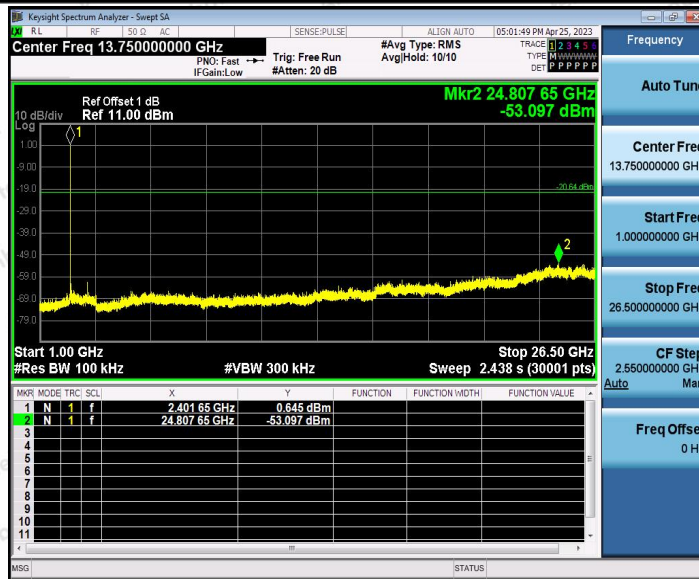


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BLE_1M_Ant1_2440_0~Reference



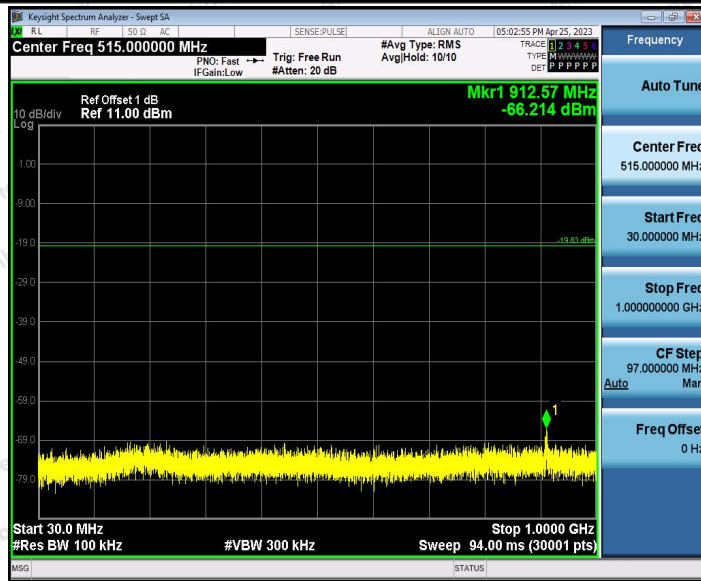
BLE_1M_Ant1_2440_30~1000

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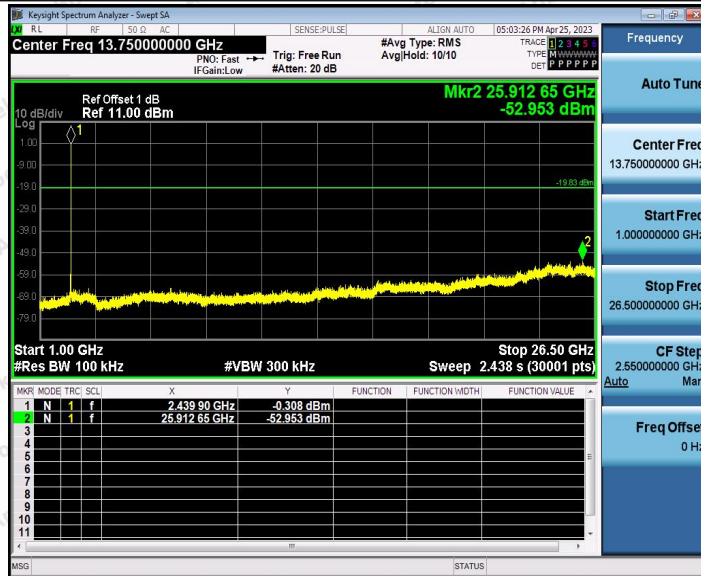
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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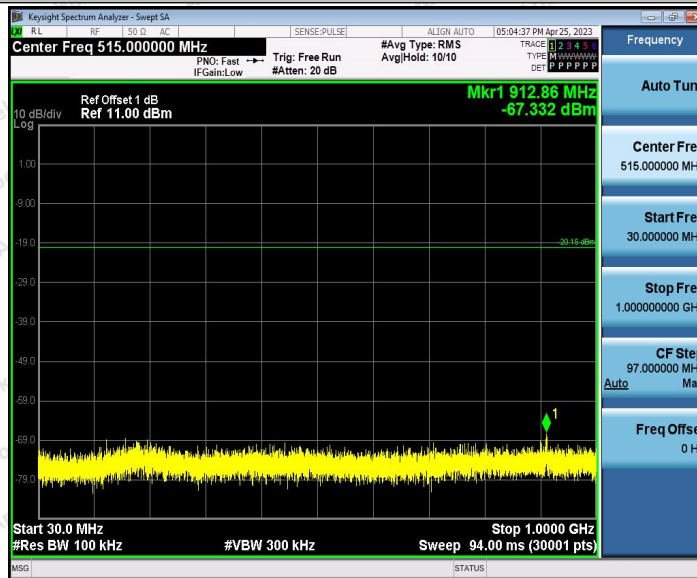
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BLE_1M_Ant1_2480_30~1000



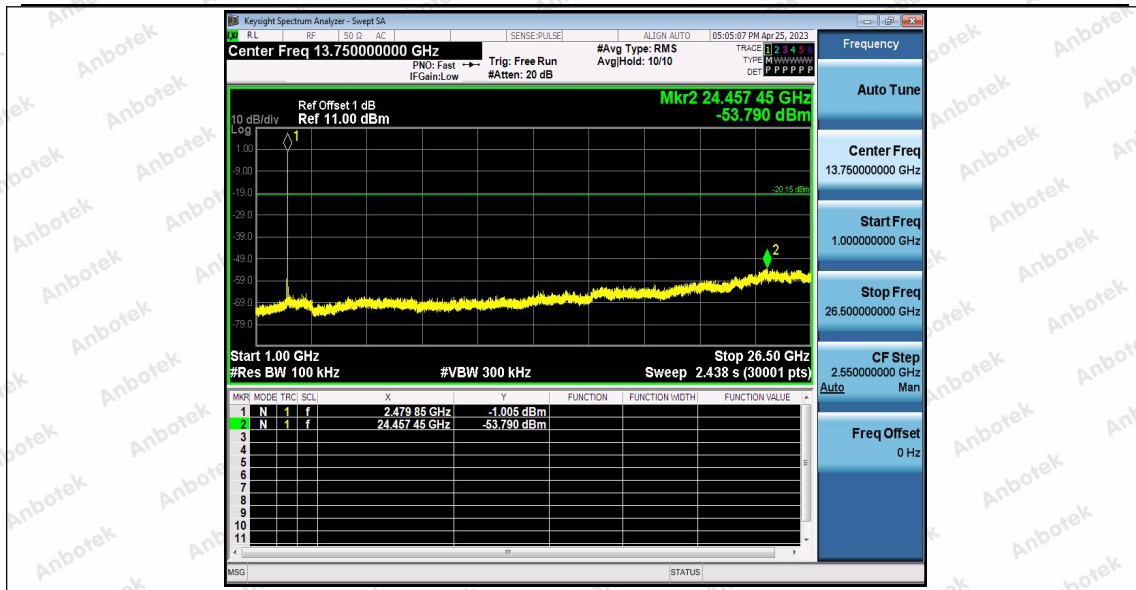
BLE_1M_Ant1_2480_1000~26500

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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76

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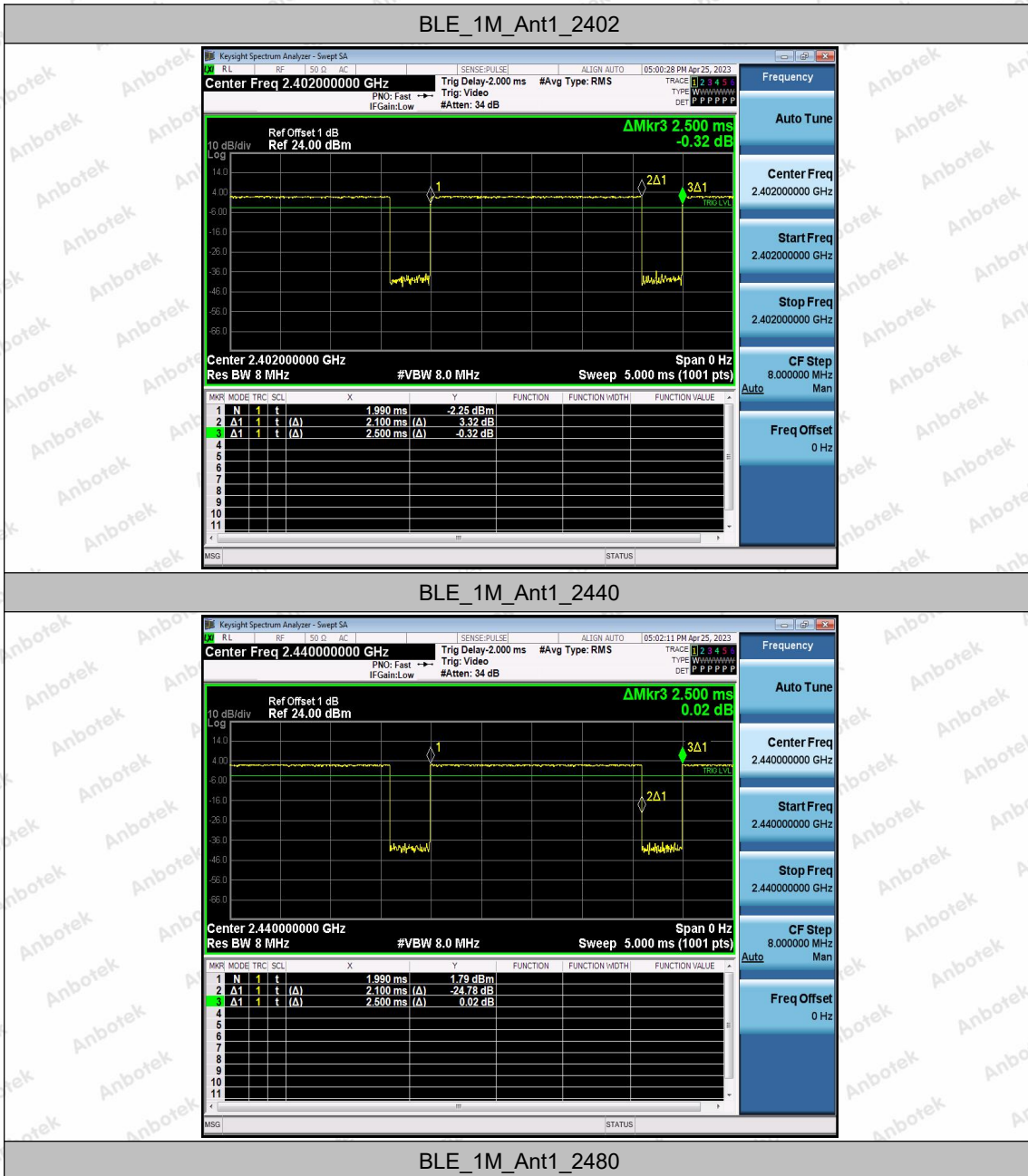
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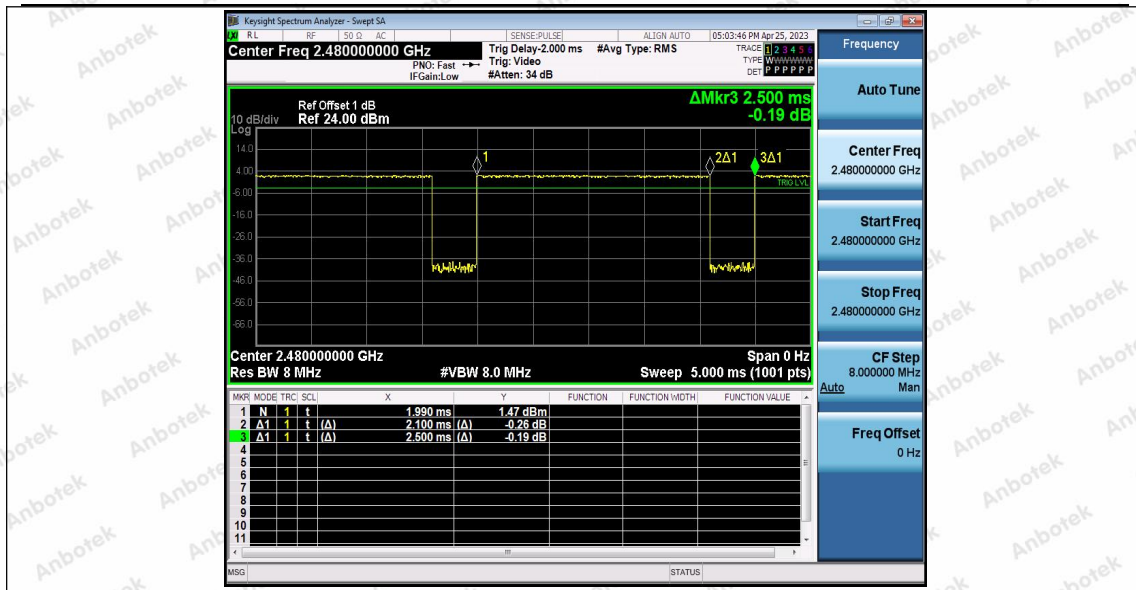


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Test Graphs





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