

Appendix Test Data

Report No.:	18220WC30080301	Test Sample No.:	1-2-2
Start Test Date:	2023.05.08	Finish Test Date:	2023.05.09
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.8°C	Relative Humidity:	51%
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	0.692	2401.660	2402.352	0.5	PASS
		2440	0.696	2439.652	2440.348	0.5	PASS
		2480	0.688	2479.648	2480.336	0.5	PASS

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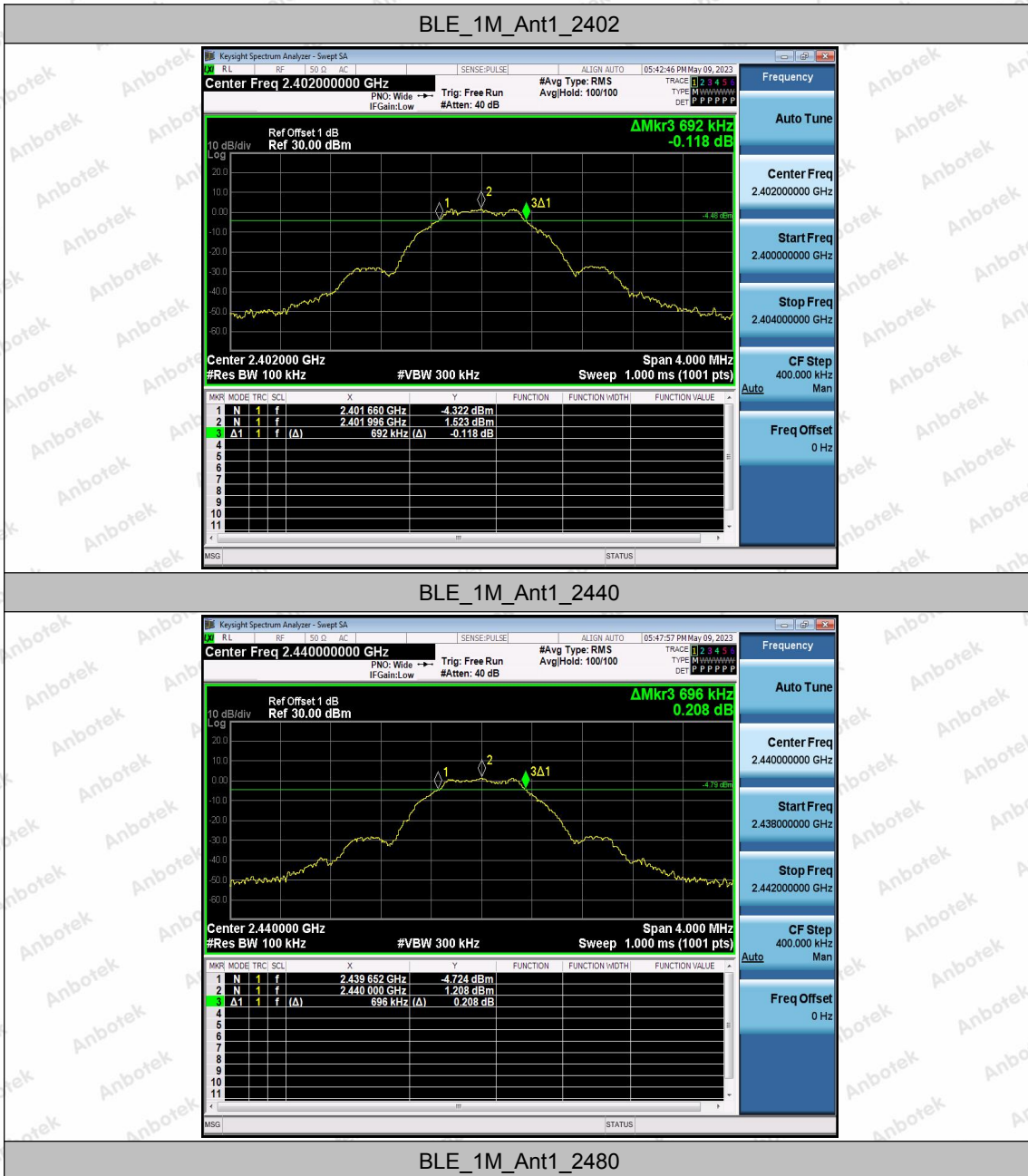
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Test Graphs



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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	1.0236	2401.4962	2402.5198
		2440	1.0310	2439.4964	2440.5274
		2480	1.0299	2479.4986	2480.5285

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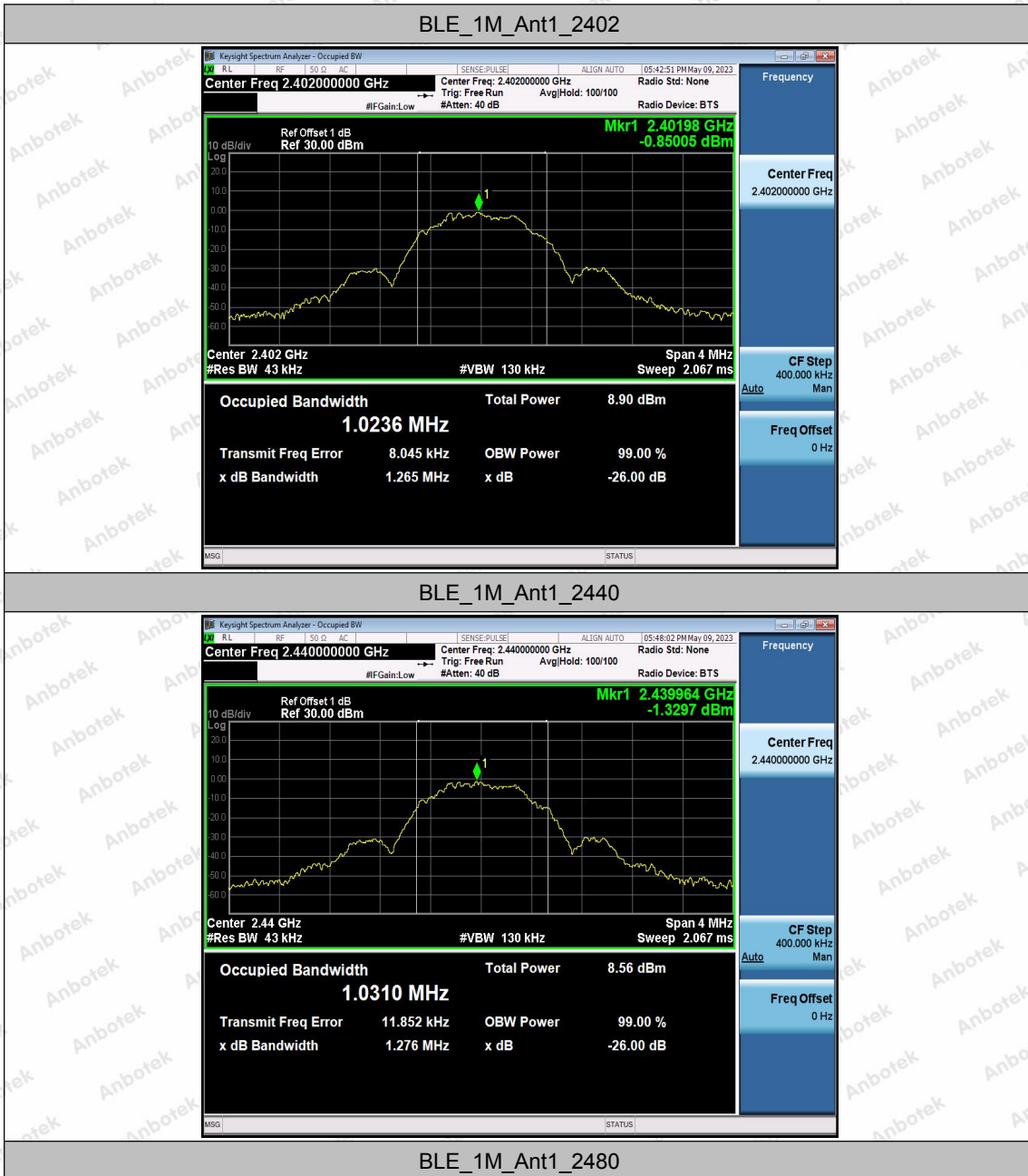
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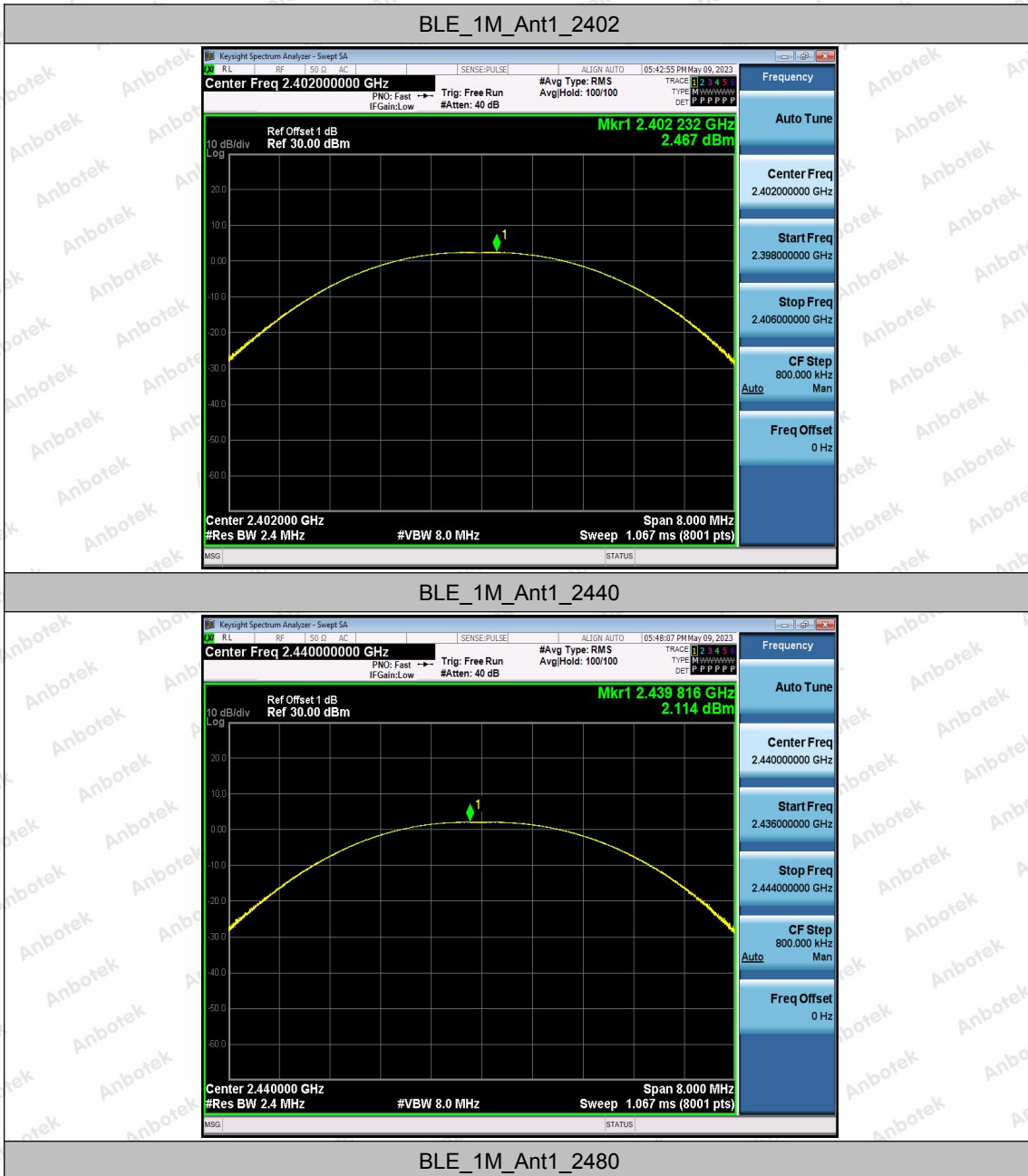
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.47	≤30	PASS
		2440	2.11	≤30	PASS
		2480	1.4	≤30	PASS



Test Graphs Peak



BLE_1M_Ant1_2480

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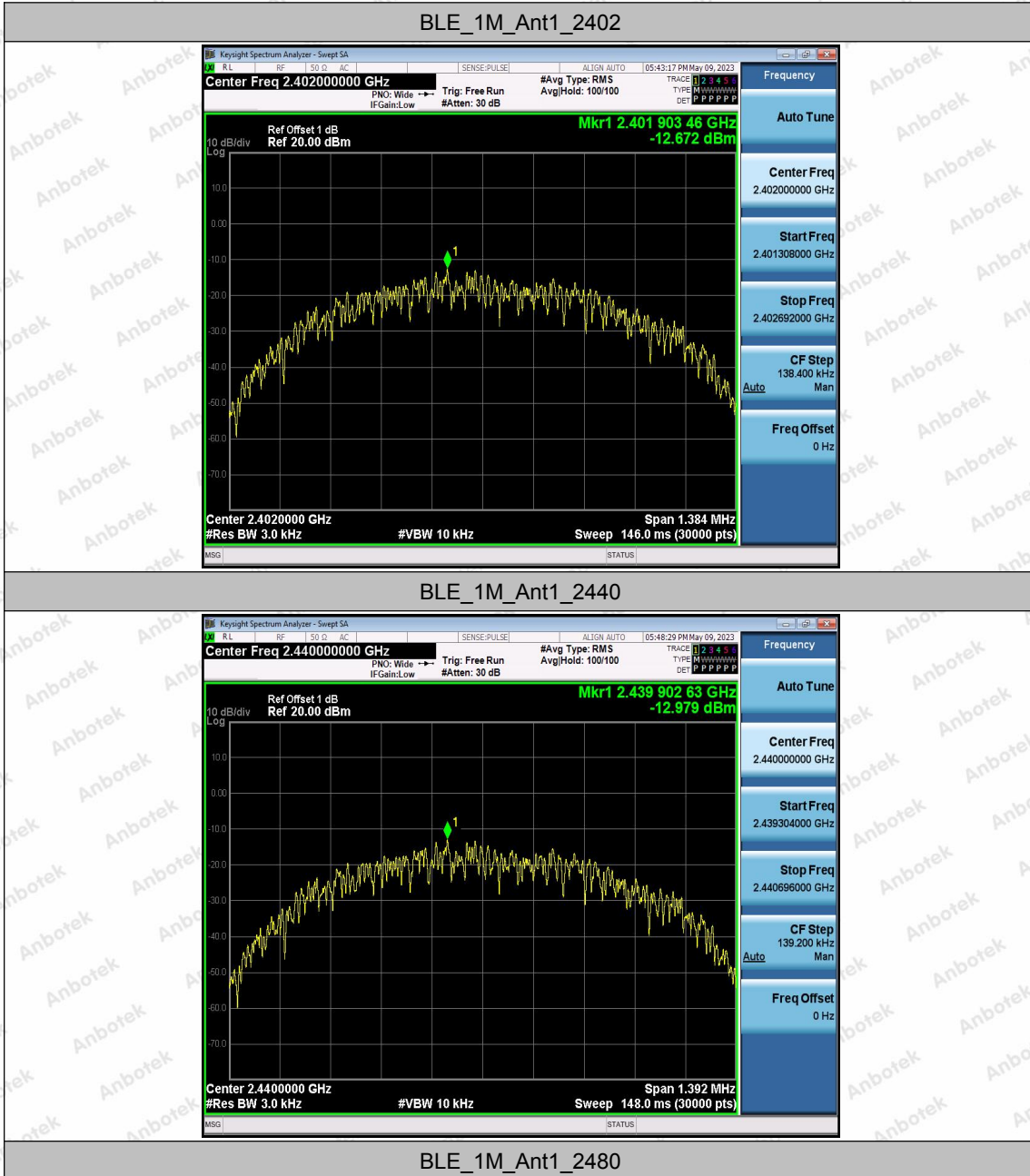
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.67	≤8.00	PASS
		2440	-12.98	≤8.00	PASS
		2480	-13.78	≤8.00	PASS



Test Graphs

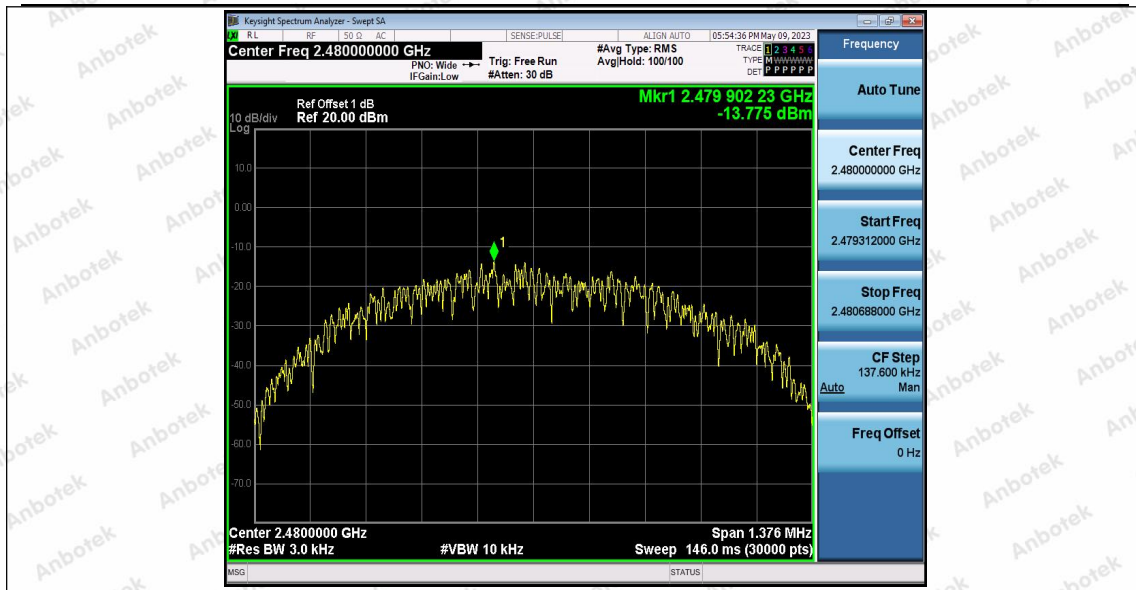


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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.68	-56.38	≤-18.32	PASS
		High	2480	0.65	-57.68	≤-19.35	PASS

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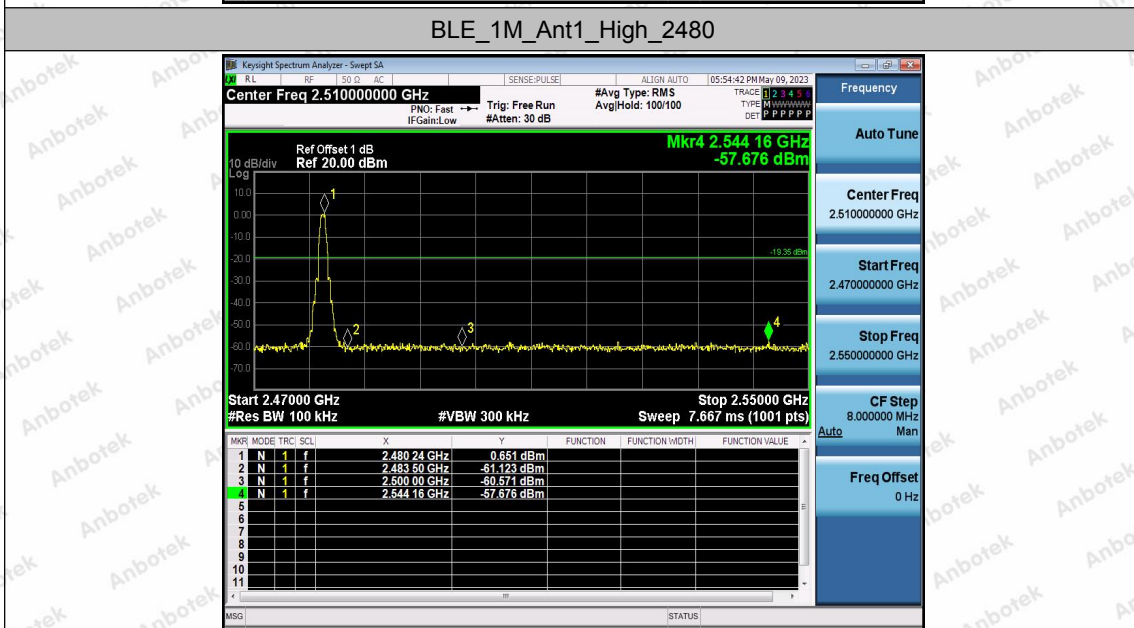
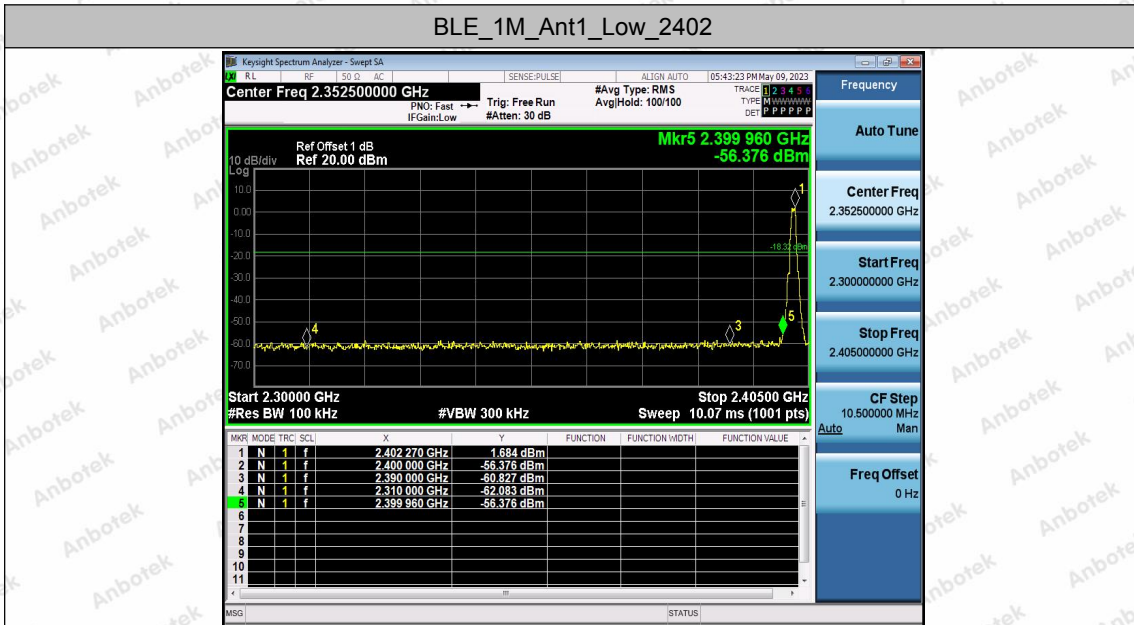
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Test Graphs



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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	0.96	0.96	---	PASS
			30~1000	0.96	-59.5	≤-19.04	PASS
			1000~26500	0.96	-53.79	≤-19.04	PASS
		2440	Reference	0.87	0.87	---	PASS
			30~1000	0.87	-68.44	≤-19.13	PASS
			1000~26500	0.87	-52.66	≤-19.13	PASS
		2480	Reference	0.27	0.27	---	PASS
			30~1000	0.27	-68.44	≤-19.73	PASS
			1000~26500	0.27	-53.89	≤-19.73	PASS

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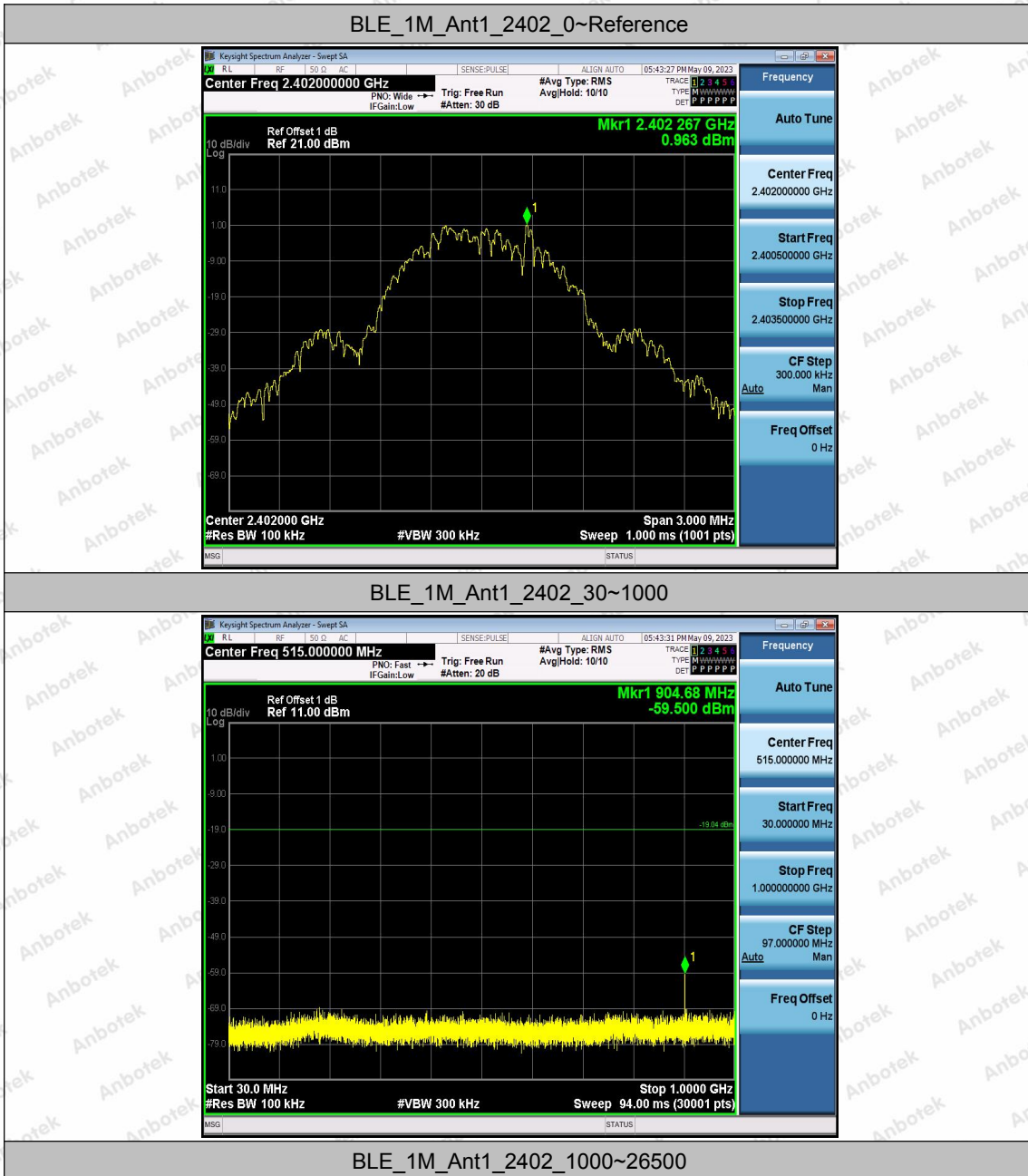
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Test Graphs

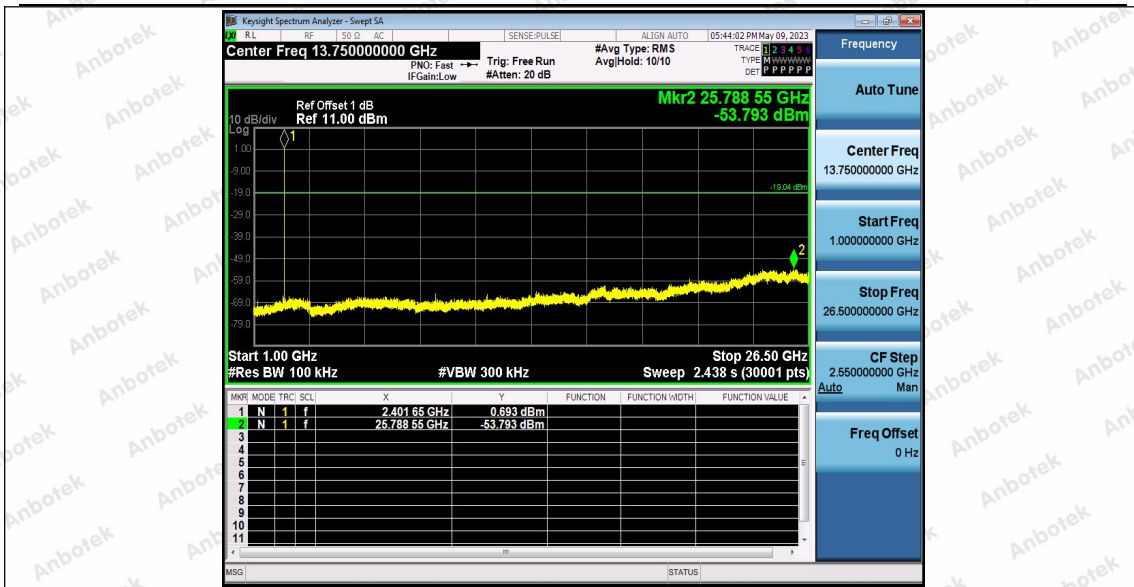


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BLE_1M_Ant1_2440_0~Reference



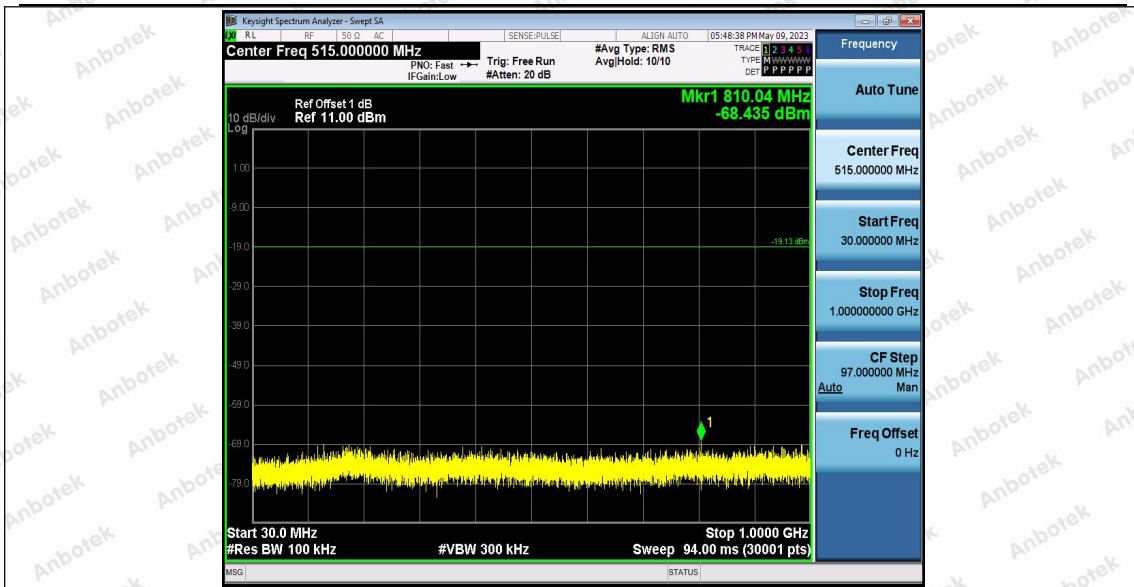
BLE_1M_Ant1_2440_30~1000

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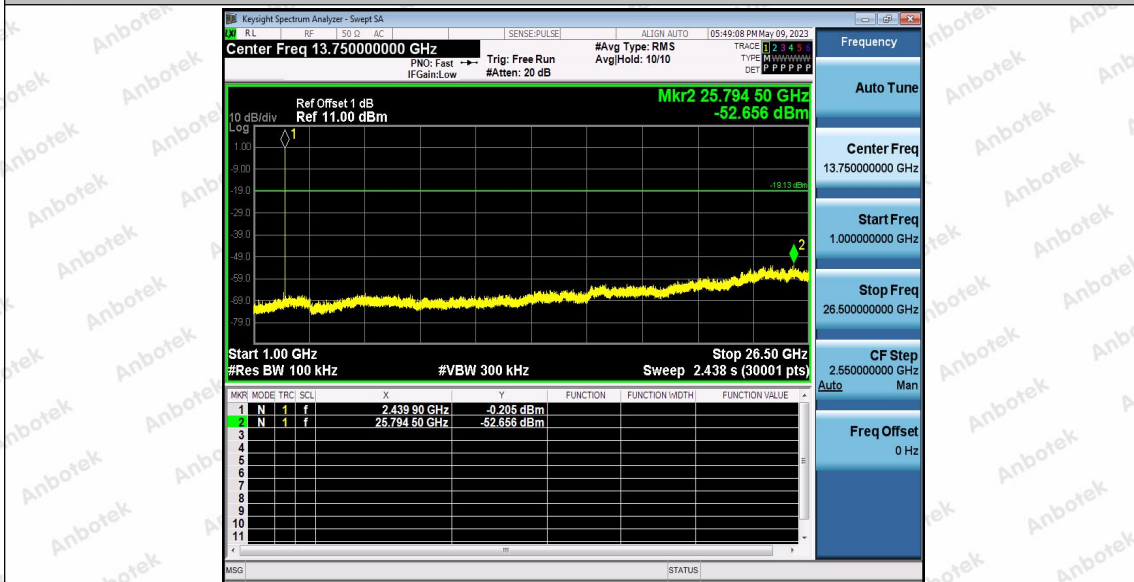
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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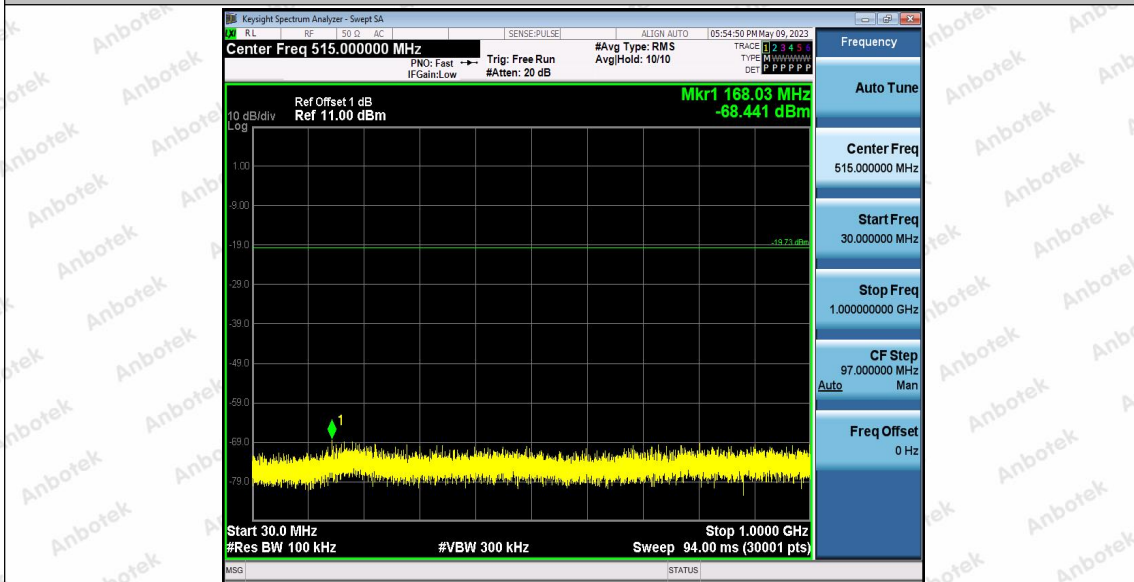
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BLE_1M_Ant1_2480_30~1000



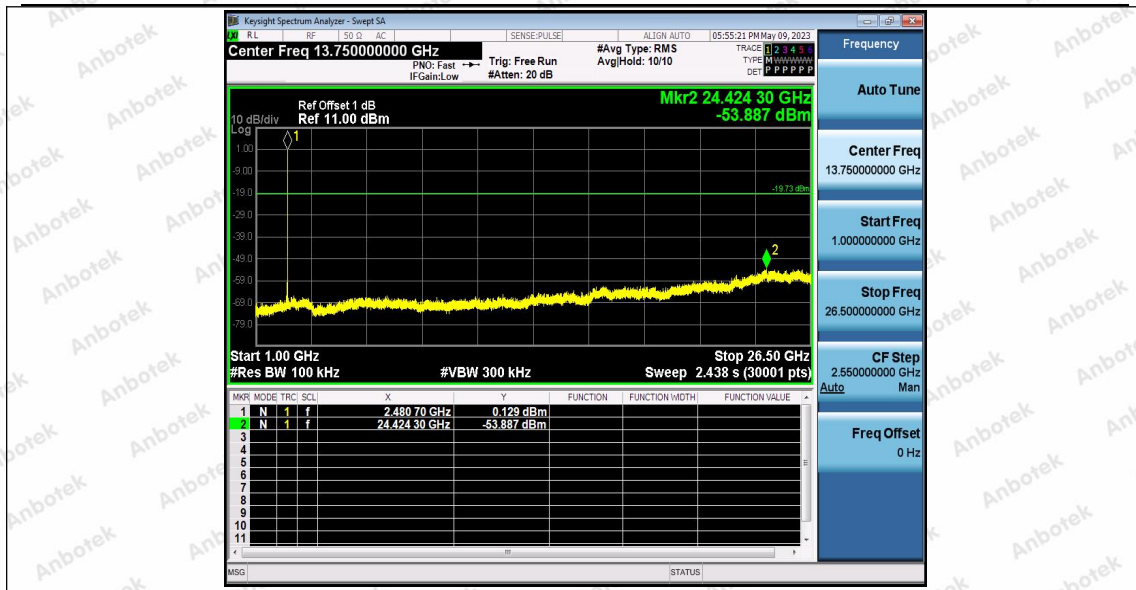
BLE_1M_Ant1_2480_1000~26500

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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	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20

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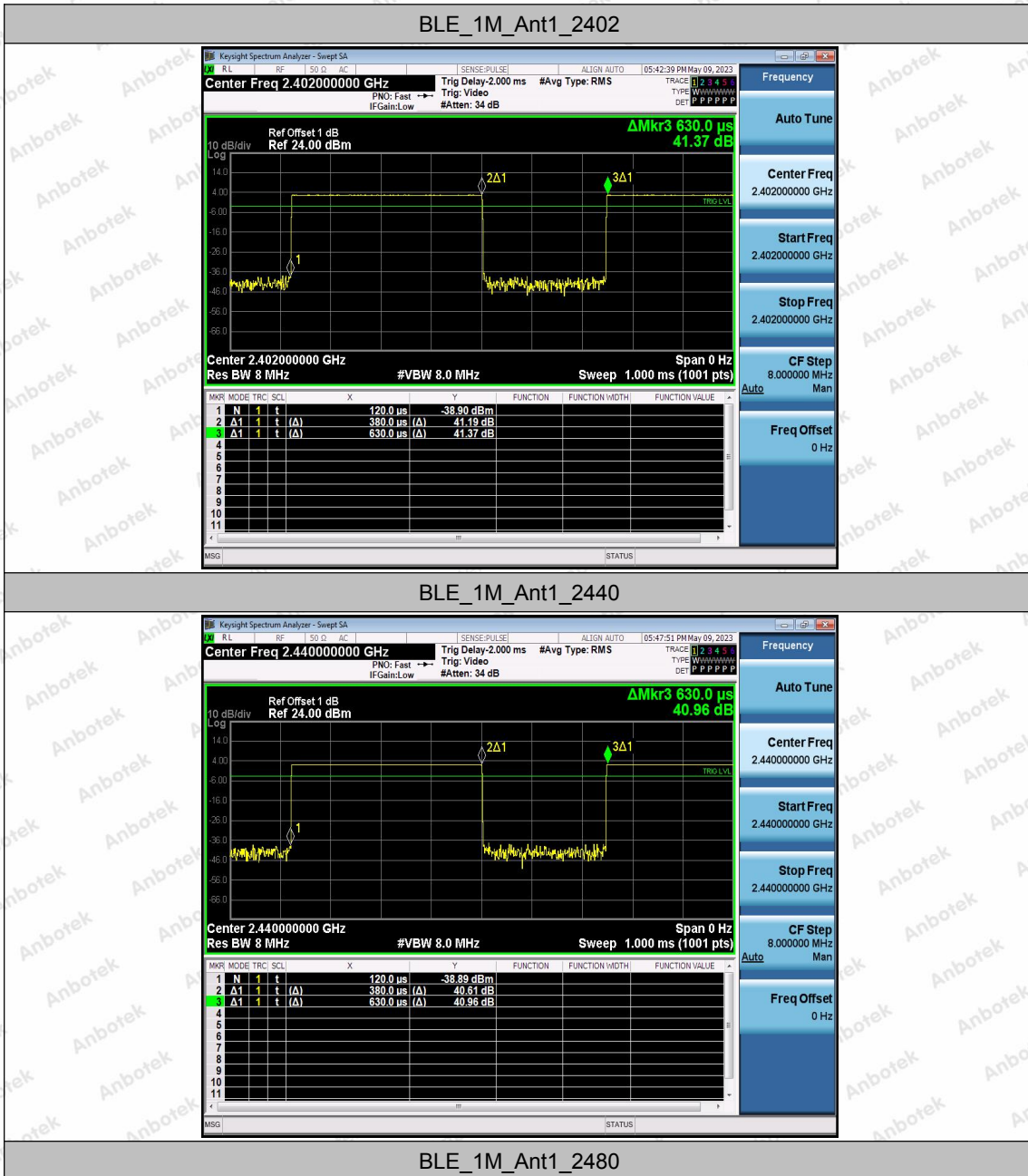
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Test Graphs



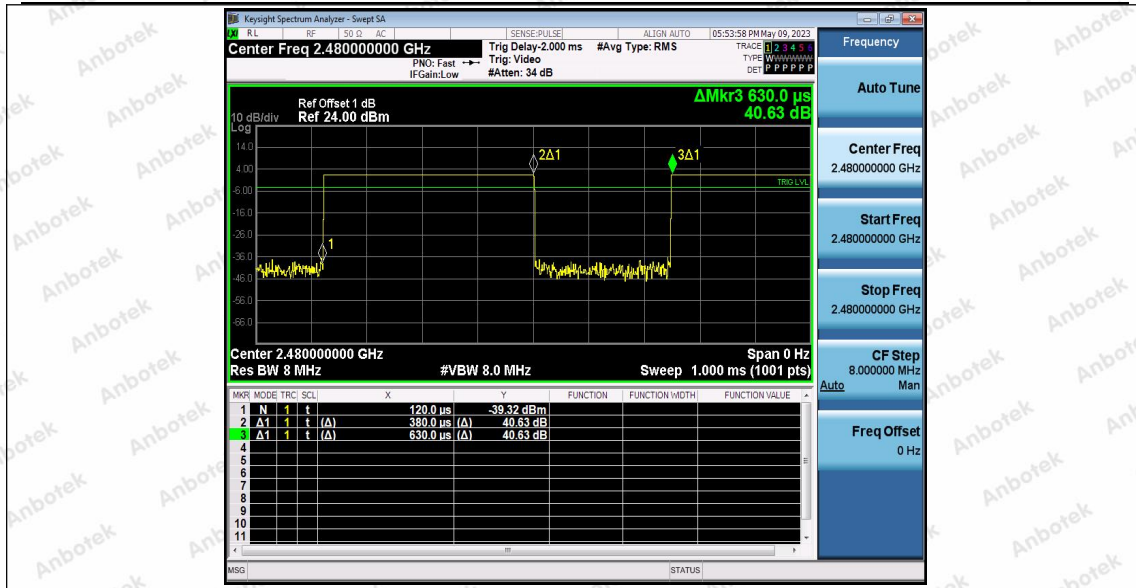
BLE_1M_Ant1_2480

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