

Appendix Test Data

Report No.:	18220WC30065503	Test Sample No.:	1-2-2
Start Test Date:	2023.4.17	Finish Test Date:	2023.4.27
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.3C°	Relative Humidity:	57 %
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	0.700	2401.652	2402.352	0.5	PASS
		2440	0.700	2439.644	2440.344	0.5	PASS
		2480	0.696	2479.644	2480.340	0.5	PASS

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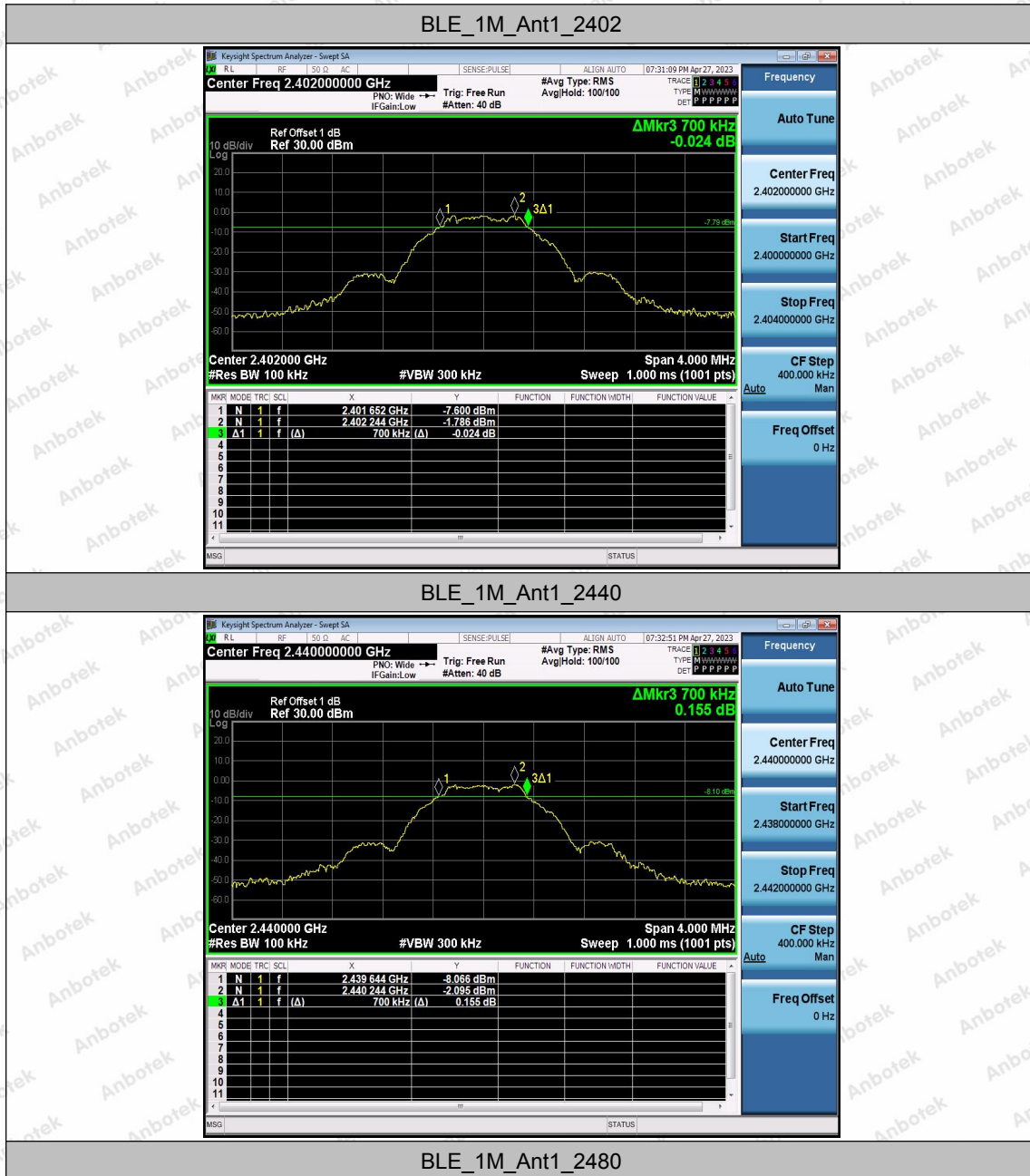
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Test Graphs



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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	1.0336	2401.4971	2402.5307
		2440	1.0243	2439.5011	2440.5254
		2480	1.0324	2479.4977	2480.5301

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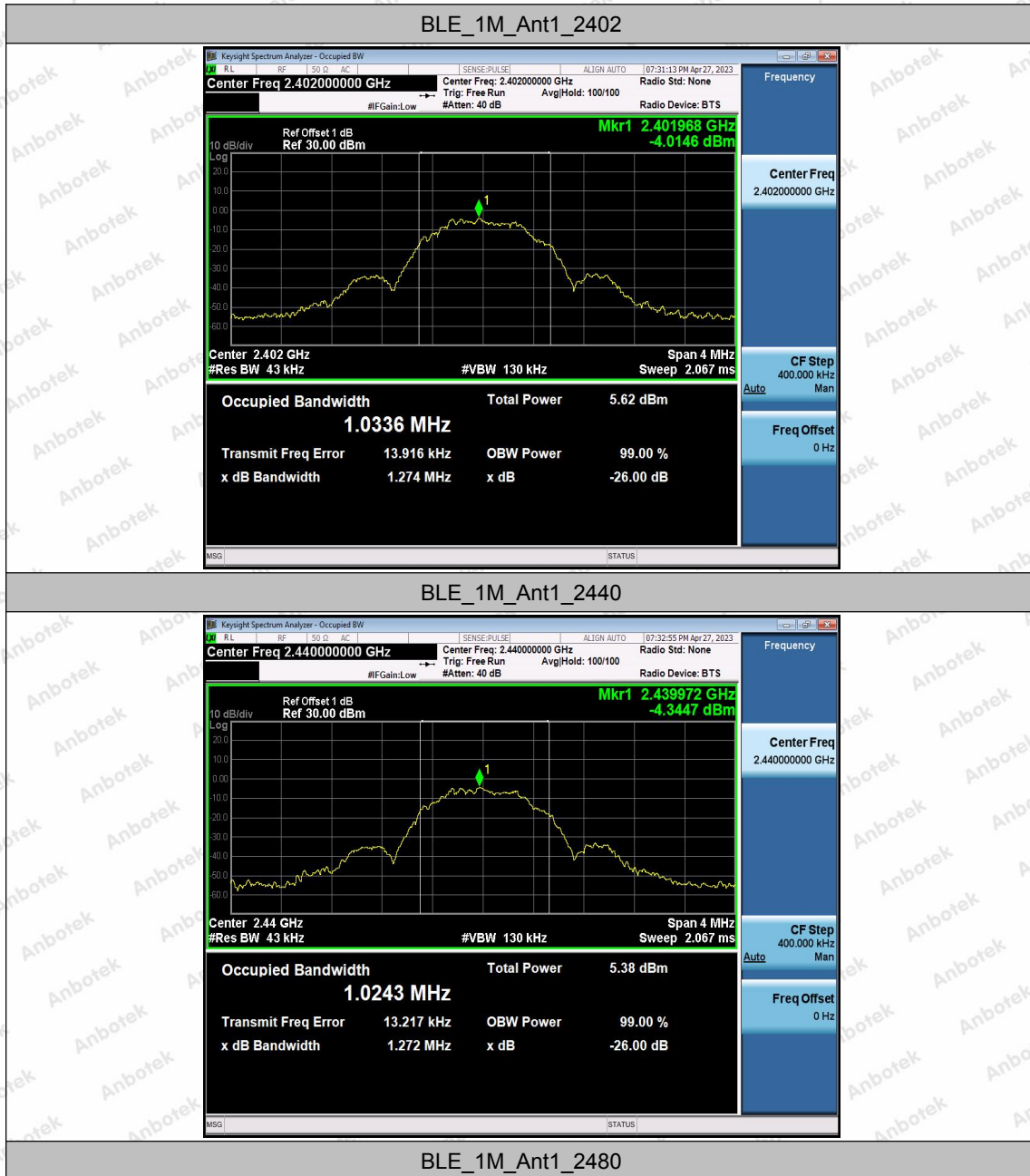
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.68	≤30	PASS
		2440	-0.98	≤30	PASS
		2480	-1.63	≤30	PASS

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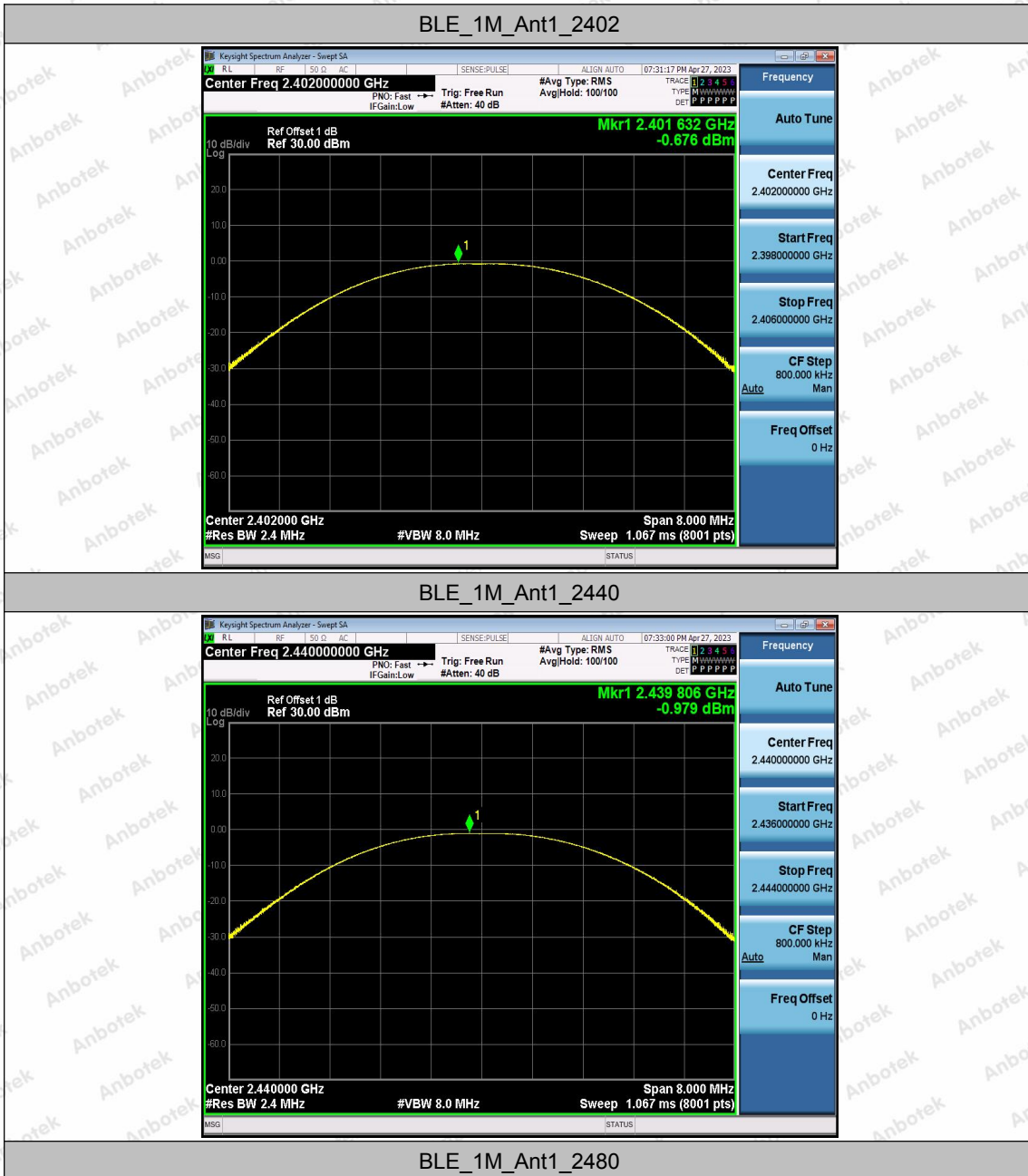
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Test Graphs Peak



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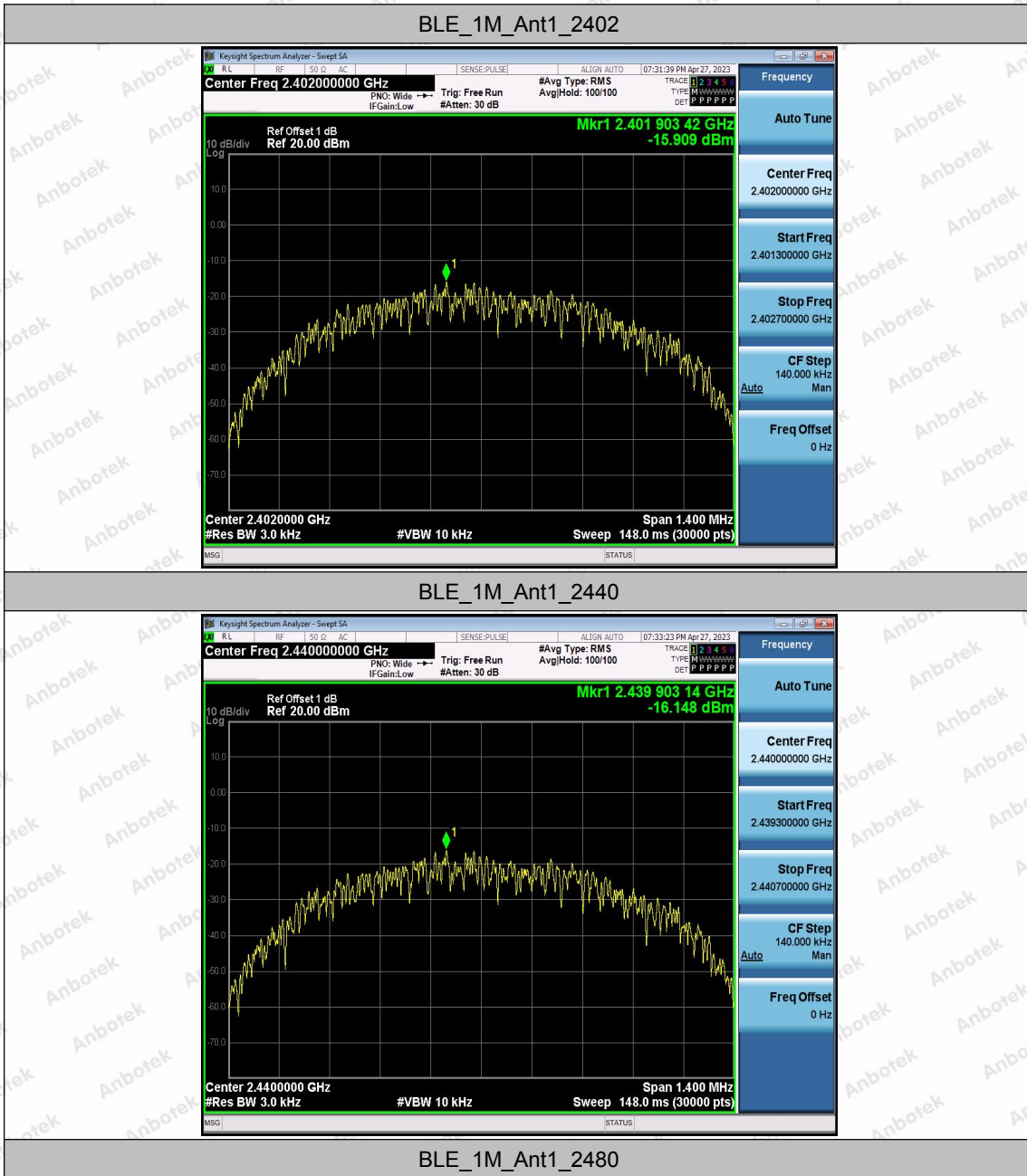
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.91	≤8.00	PASS
		2440	-16.15	≤8.00	PASS
		2480	-16.78	≤8.00	PASS



Test Graphs



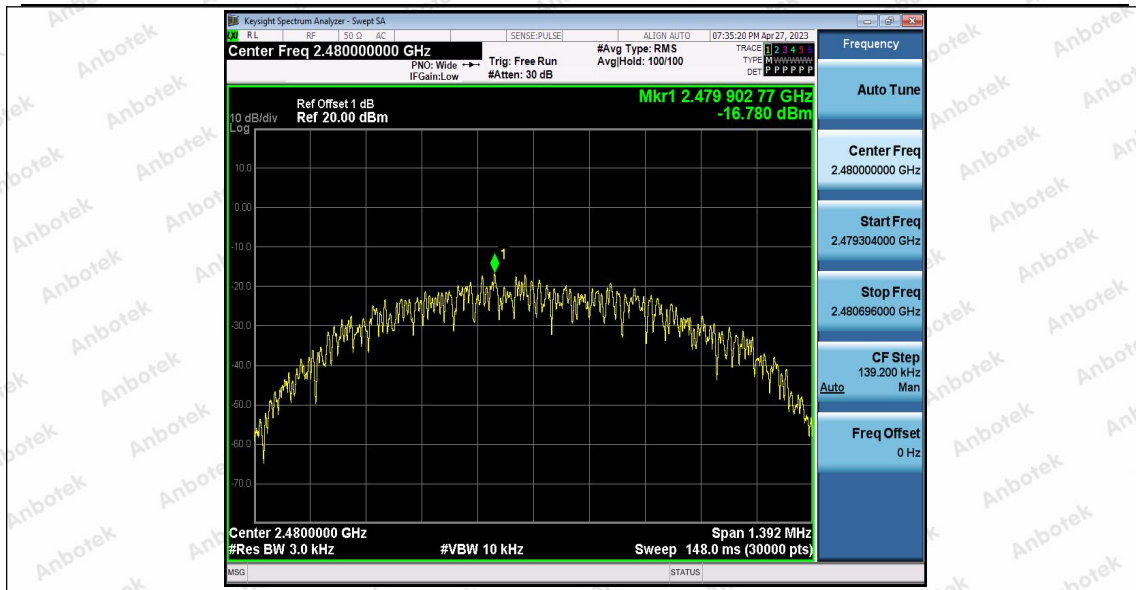
BLE_1M_Ant1_2480

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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	-1.54	-57.94	≤-21.54	PASS
		High	2480	-2.38	-56.25	≤-22.38	PASS

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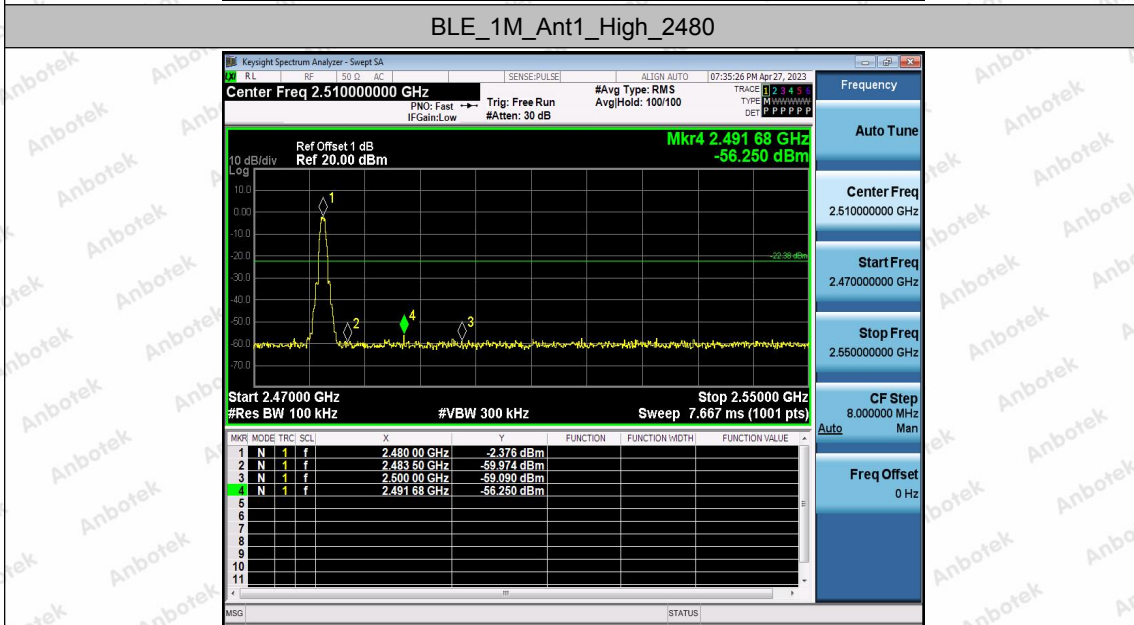
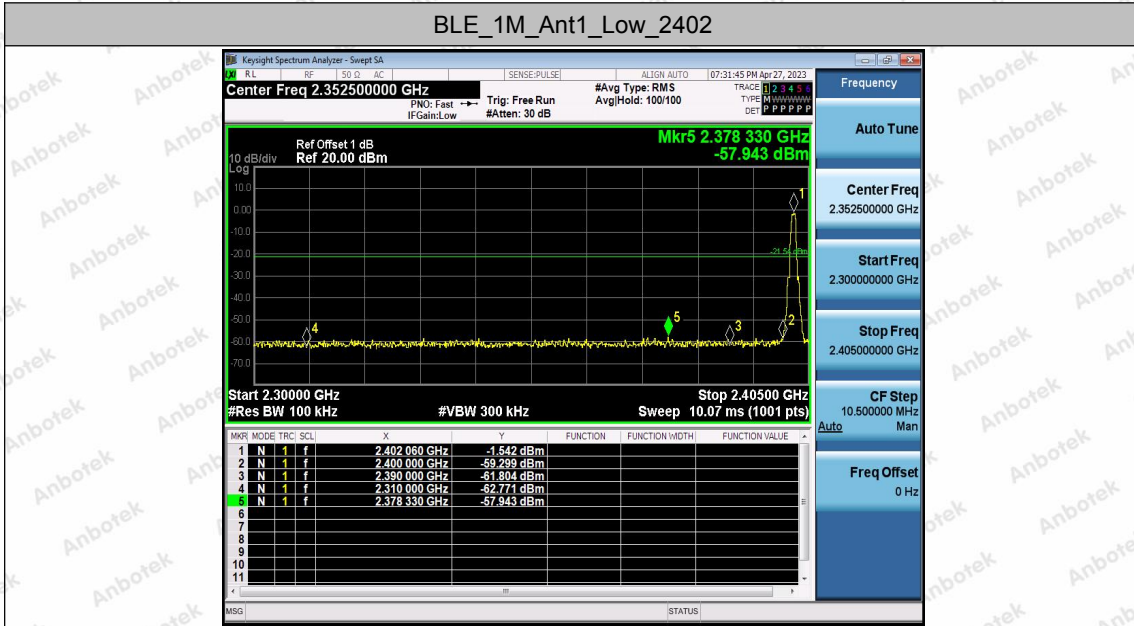
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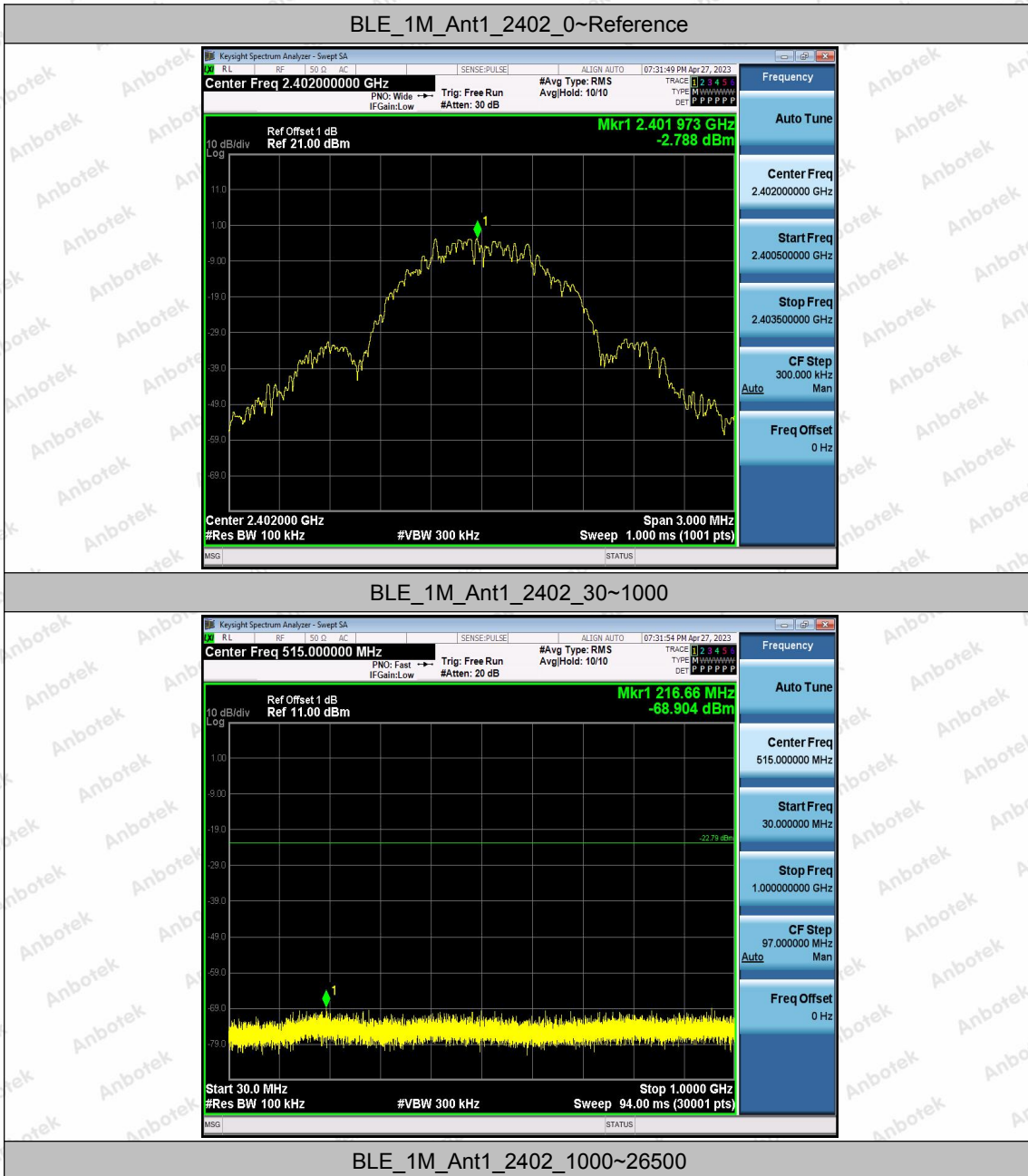
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-68.9	≤-22.79	PASS
			1000~26500	-2.79	-44.66	≤-22.79	PASS
		2440	Reference	-2.29	-2.29	---	PASS
			30~1000	-2.29	-69.12	≤-22.29	PASS
			1000~26500	-2.29	-44.6	≤-22.29	PASS
		2480	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-67.87	≤-23.01	PASS
			1000~26500	-3.01	-53.5	≤-23.01	PASS



Test Graphs

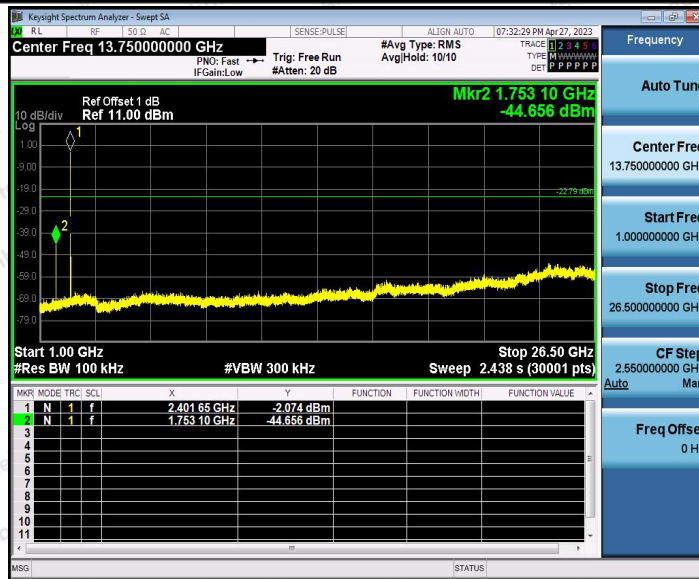


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BLE_1M_Ant1_2440_0~Reference



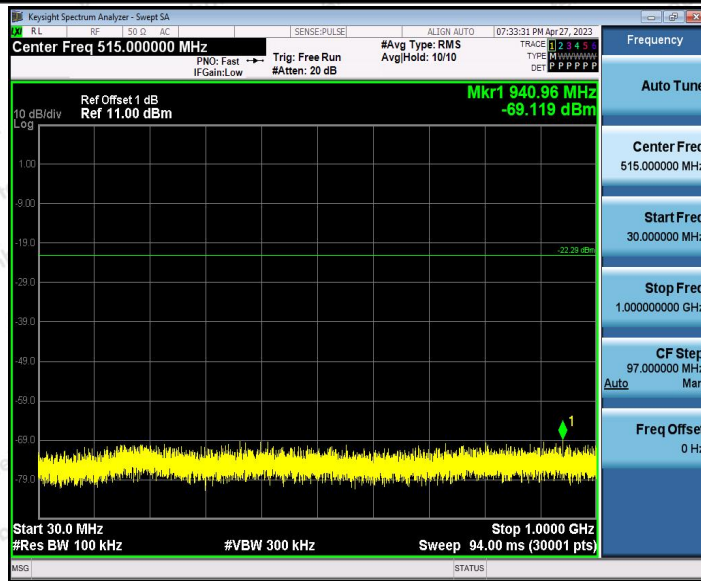
BLE_1M_Ant1_2440_30~1000

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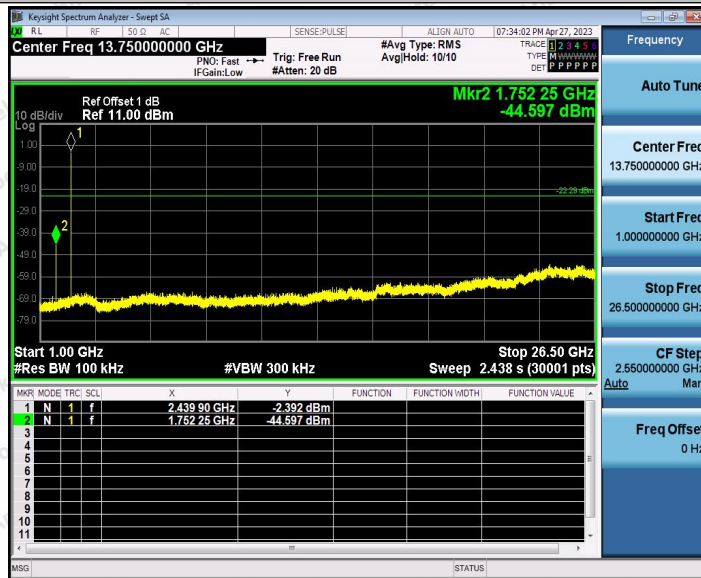
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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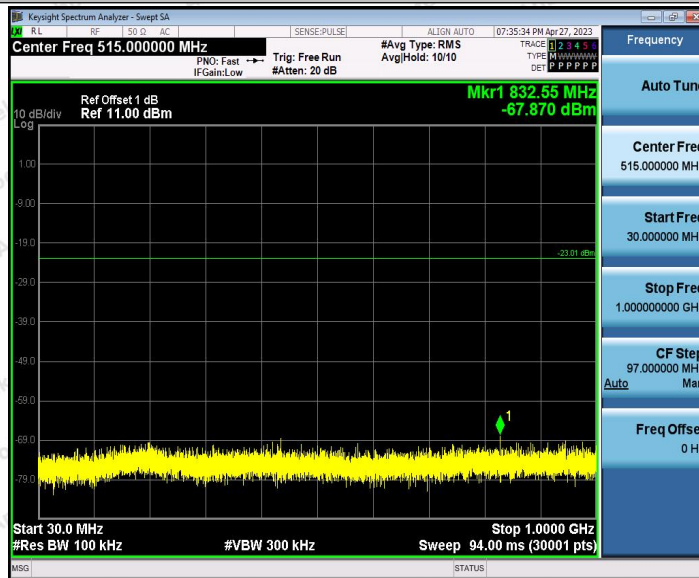
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BLE_1M_Ant1_2480_30~1000



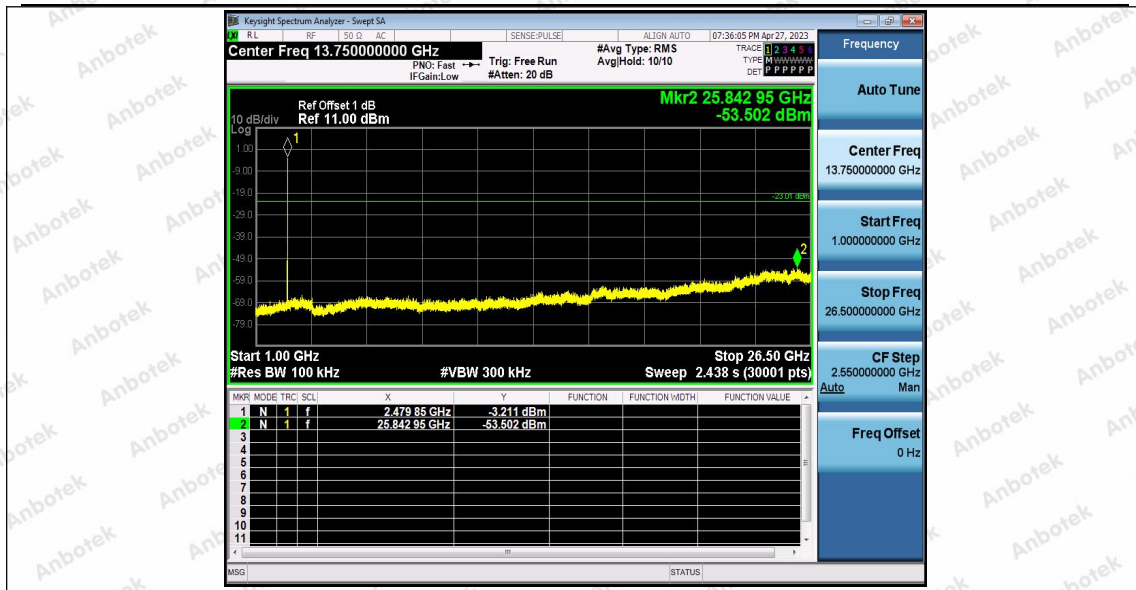
BLE_1M_Ant1_2480_1000~26500

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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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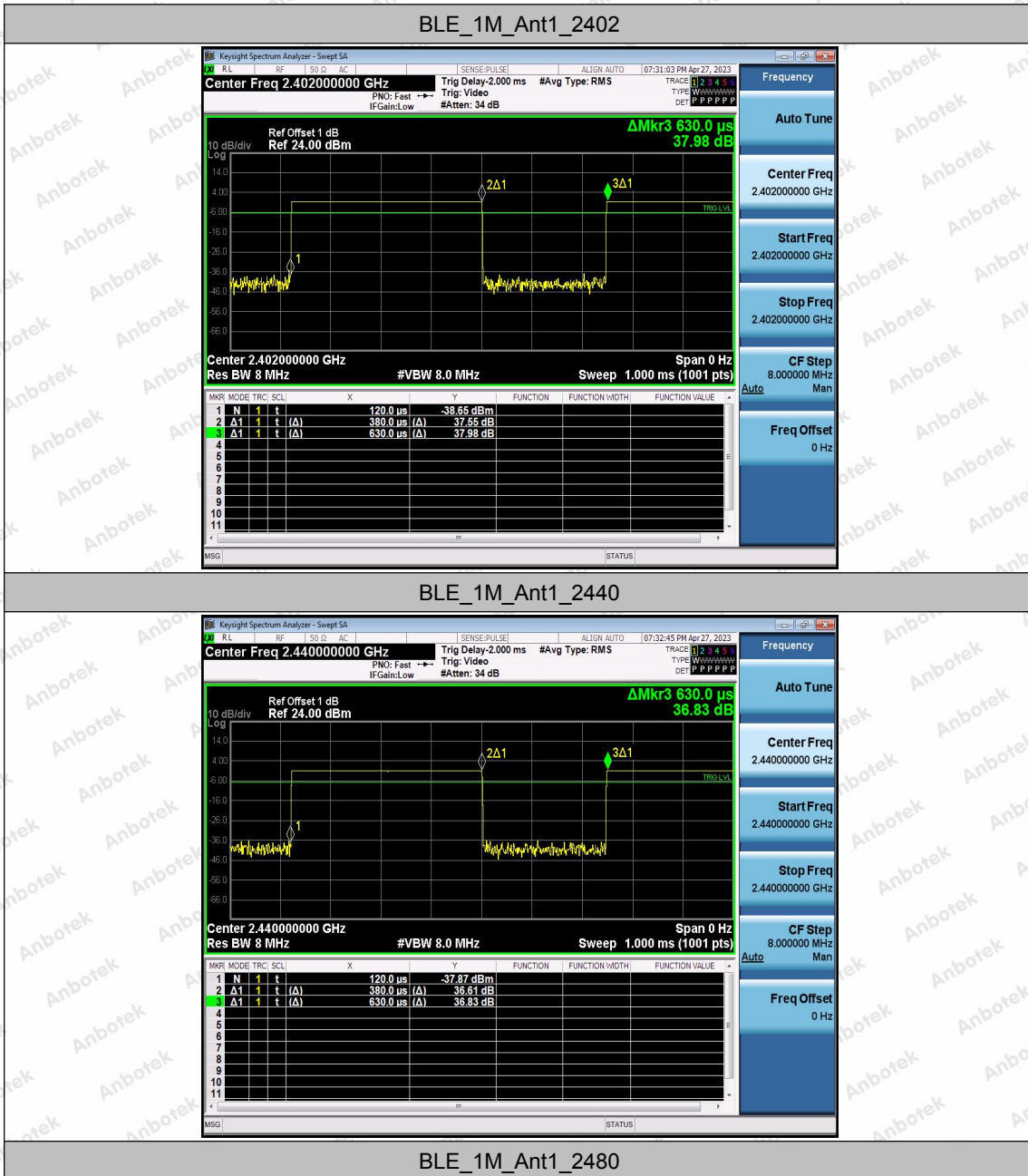
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Test Graphs



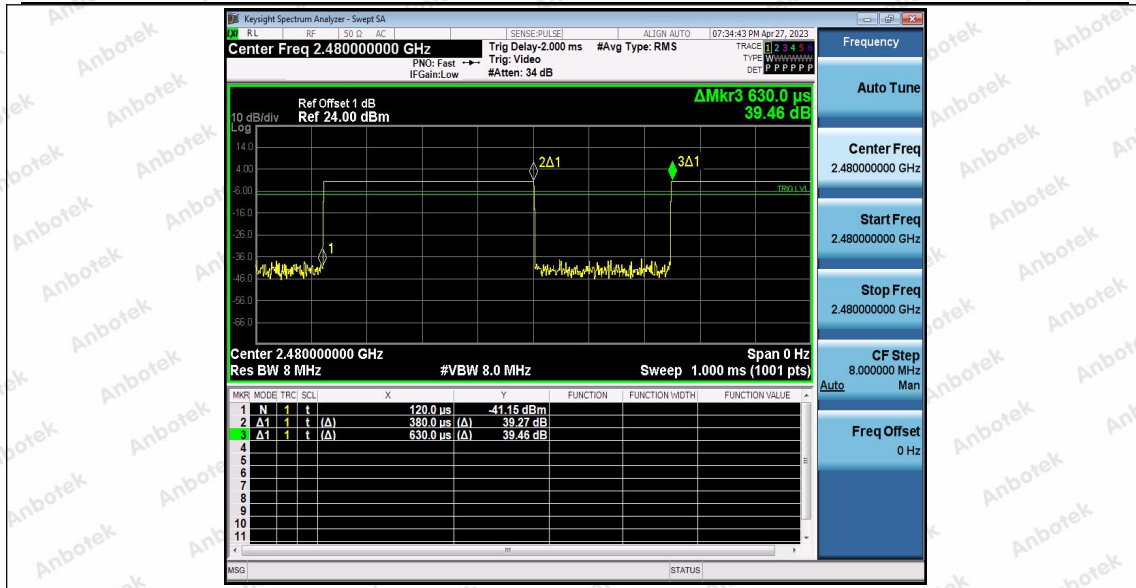
BLE_1M_Ant1_2480

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