

Appendix Test Data

Report No.:	18220WC30174501	Test Sample No.:	1-2-2
Start Test Date:	2023.08.16	Finish Test Date:	2023.08.23
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	23.7°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.656	2402.336	0.5	PASS
		2440	0.692	2439.640	2440.332	0.5	PASS
		2480	0.692	2479.644	2480.336	0.5	PASS



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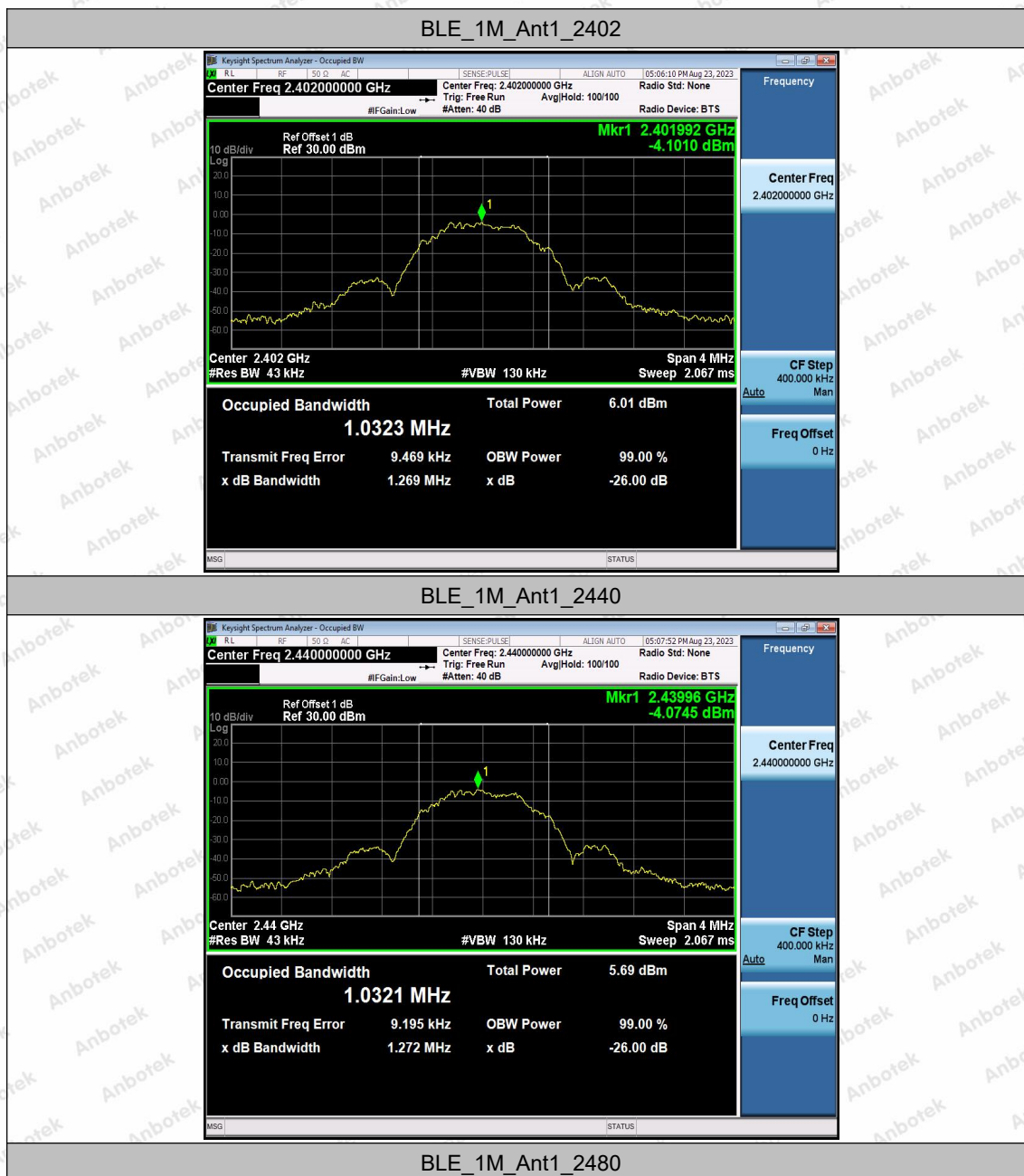
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0323	2401.4933	2402.5256
		2440	1.0321	2439.4931	2440.5252
		2480	1.0299	2479.4925	2480.5224



Test Graphs



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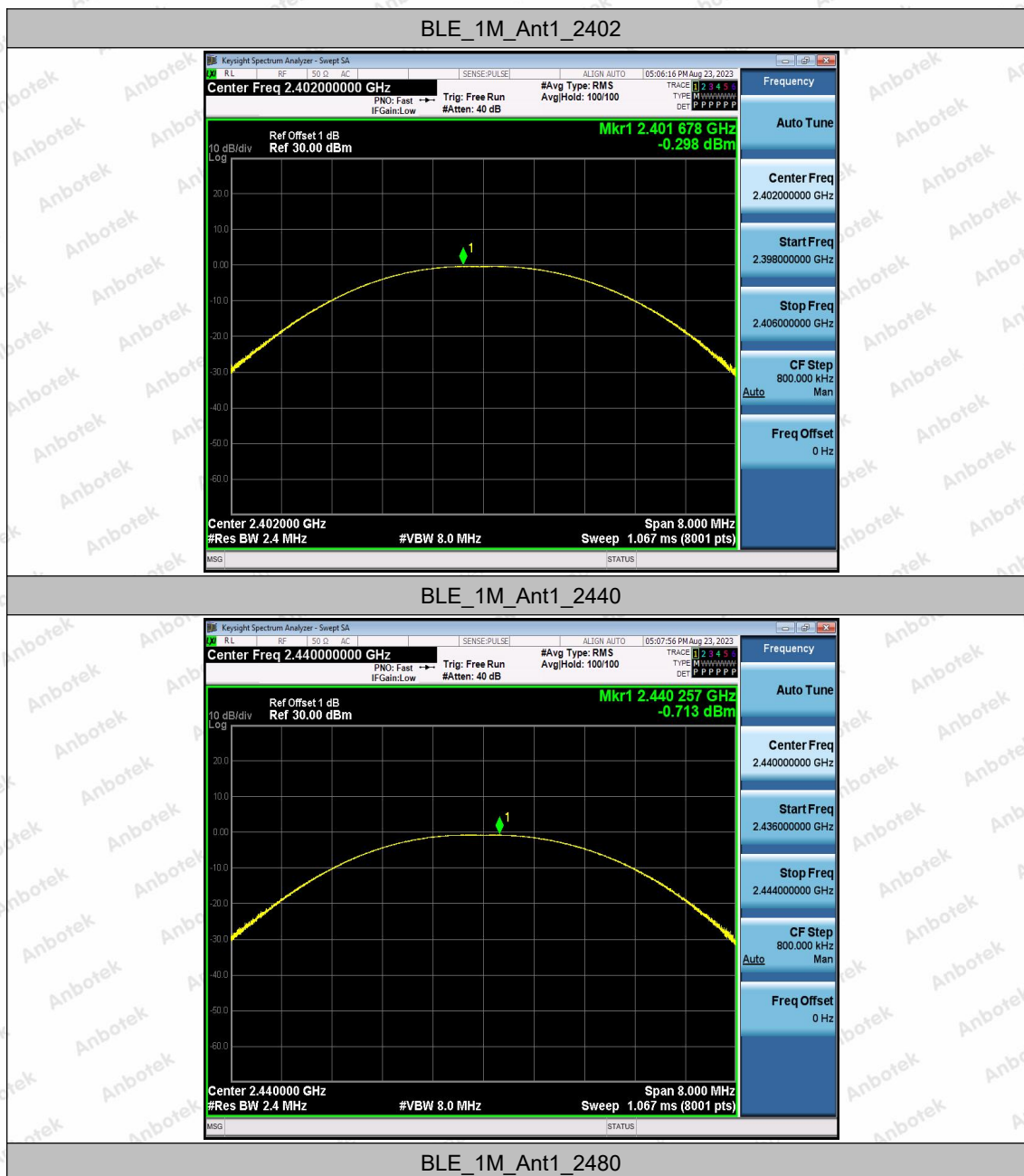
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.30	≤30	PASS
		2440	-0.71	≤30	PASS
		2480	-1.39	≤30	PASS



Test Graphs Peak



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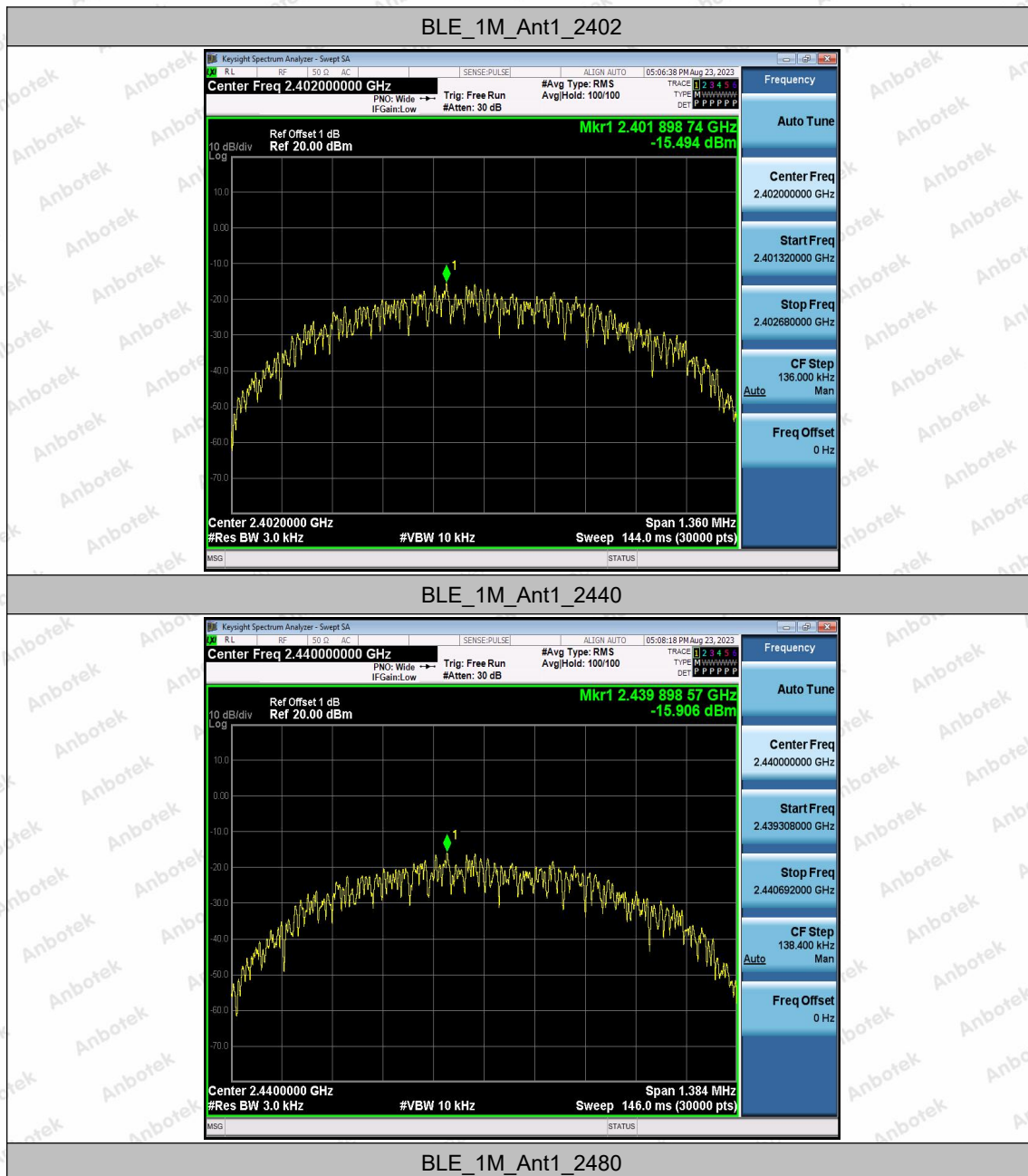
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.49	≤8.00	PASS
		2440	-15.91	≤8.00	PASS
		2480	-16.61	≤8.00	PASS



Test Graphs



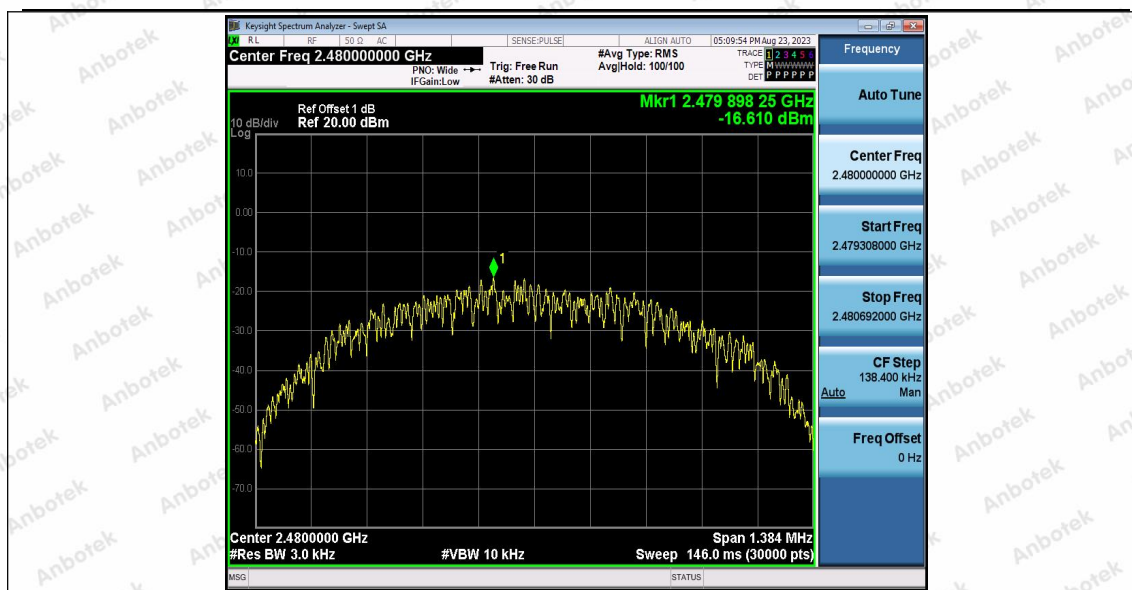
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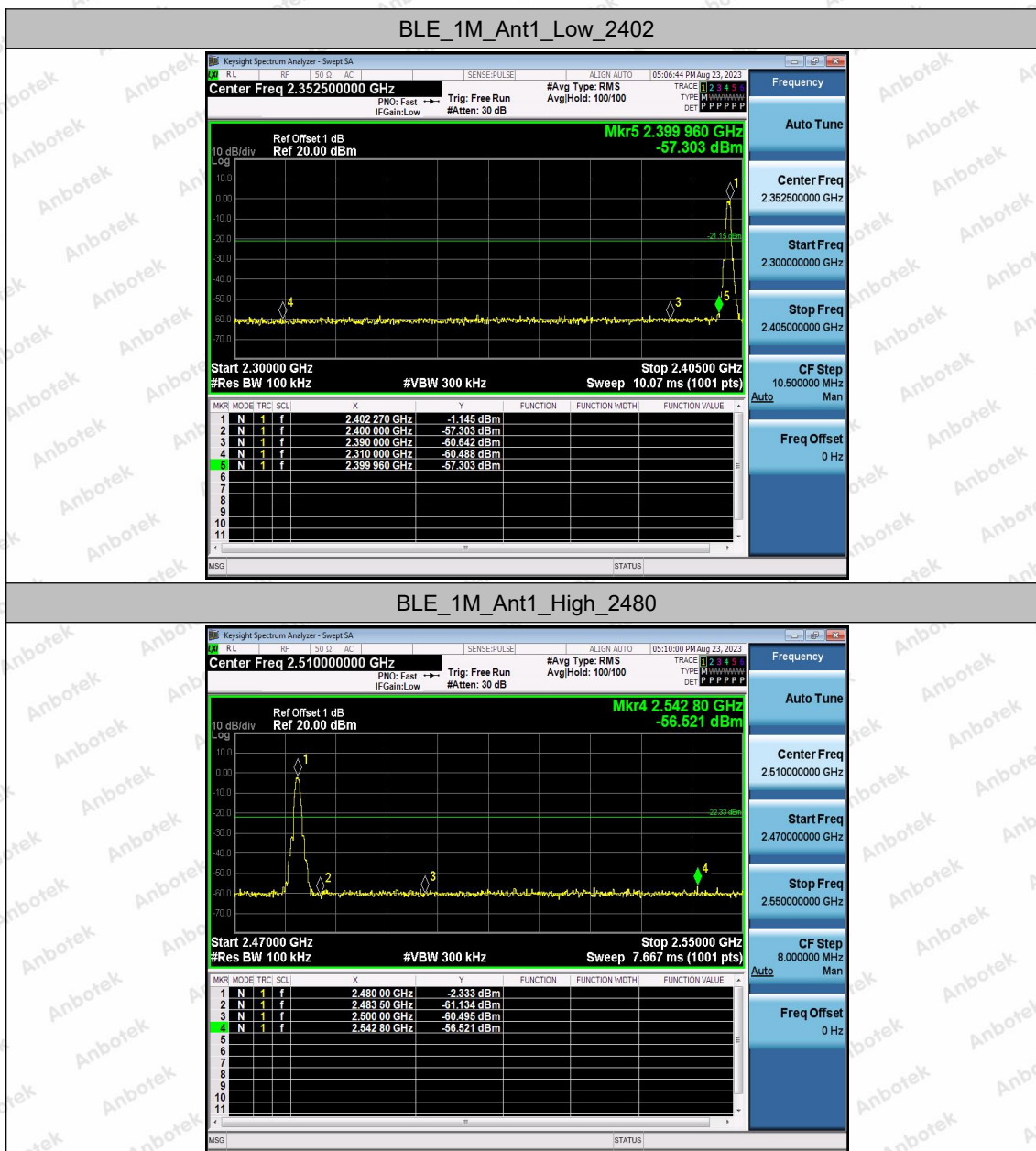
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.15	-57.3	≤-21.15	PASS
		High	2480	-2.33	-56.52	≤-22.33	PASS



Test Graphs



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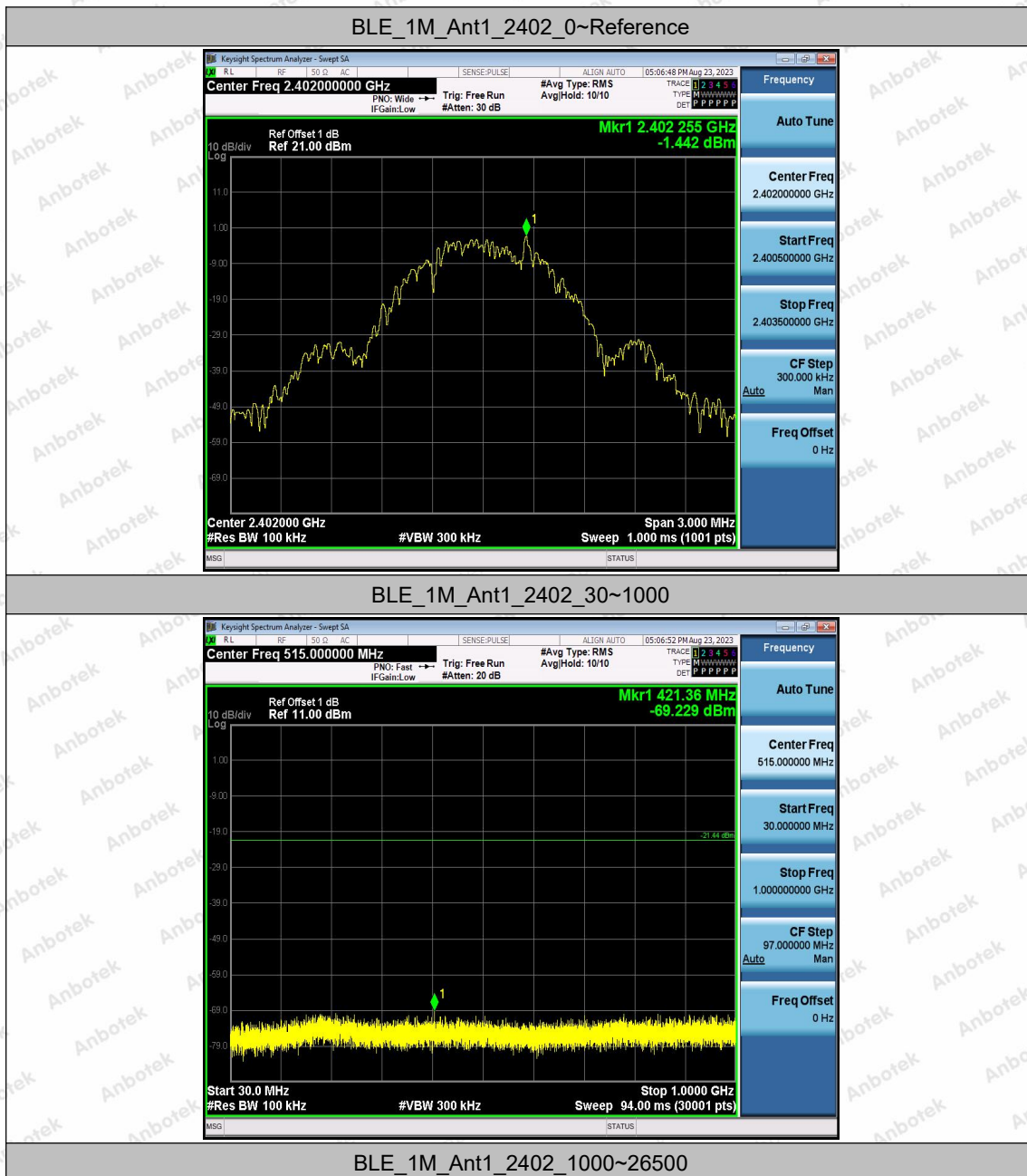
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-69.23	≤-21.44	PASS
			1000~26500	-1.44	-54	≤-21.44	PASS
		2440	Reference	-2.32	-2.32	---	PASS
			30~1000	-2.32	-69.08	≤-22.32	PASS
			1000~26500	-2.32	-53.9	≤-22.32	PASS
		2480	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-68.36	≤-22.39	PASS
			1000~26500	-2.39	-53.39	≤-22.39	PASS



Test Graphs



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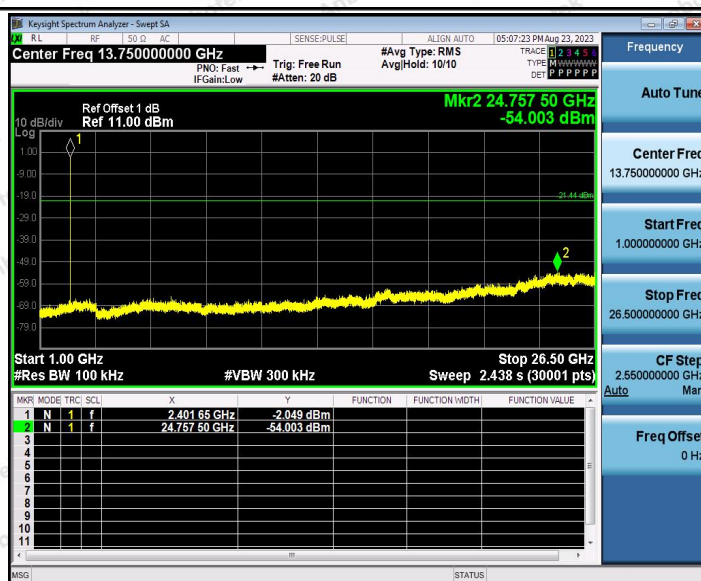


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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

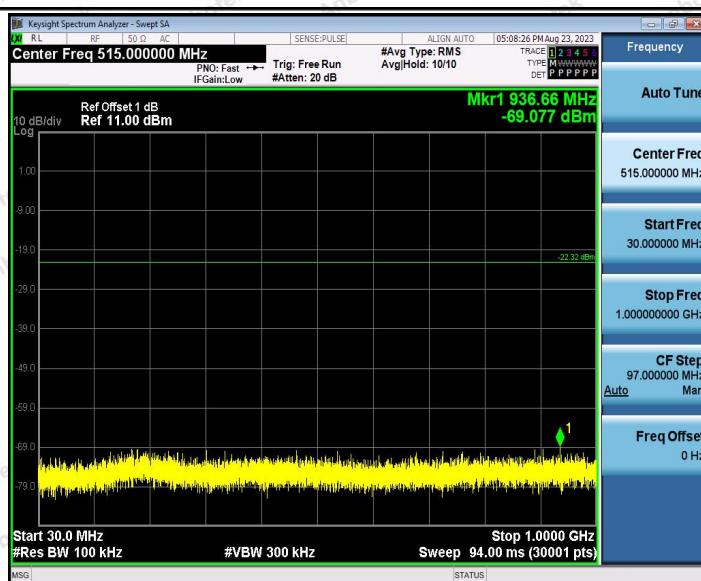
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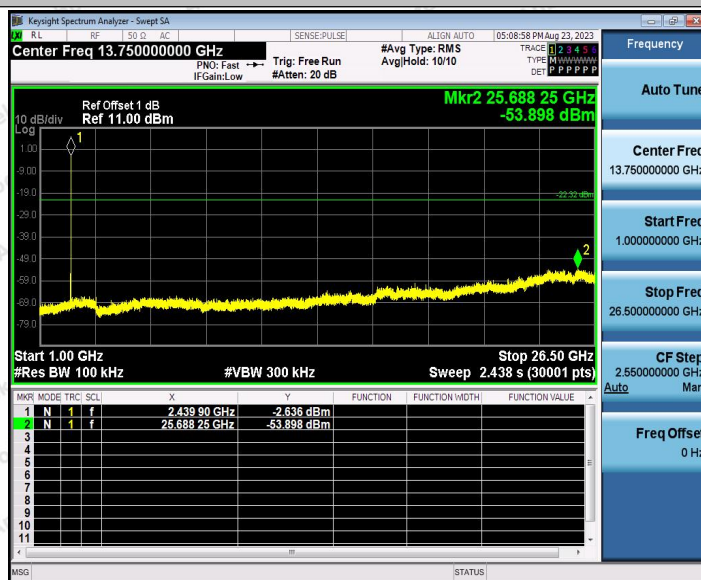


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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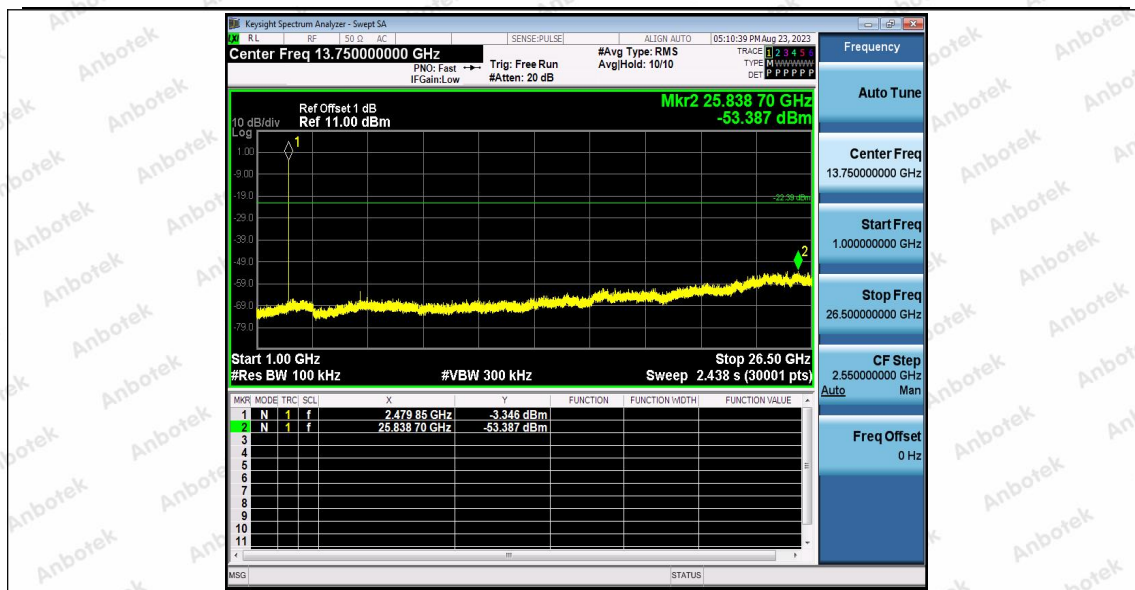
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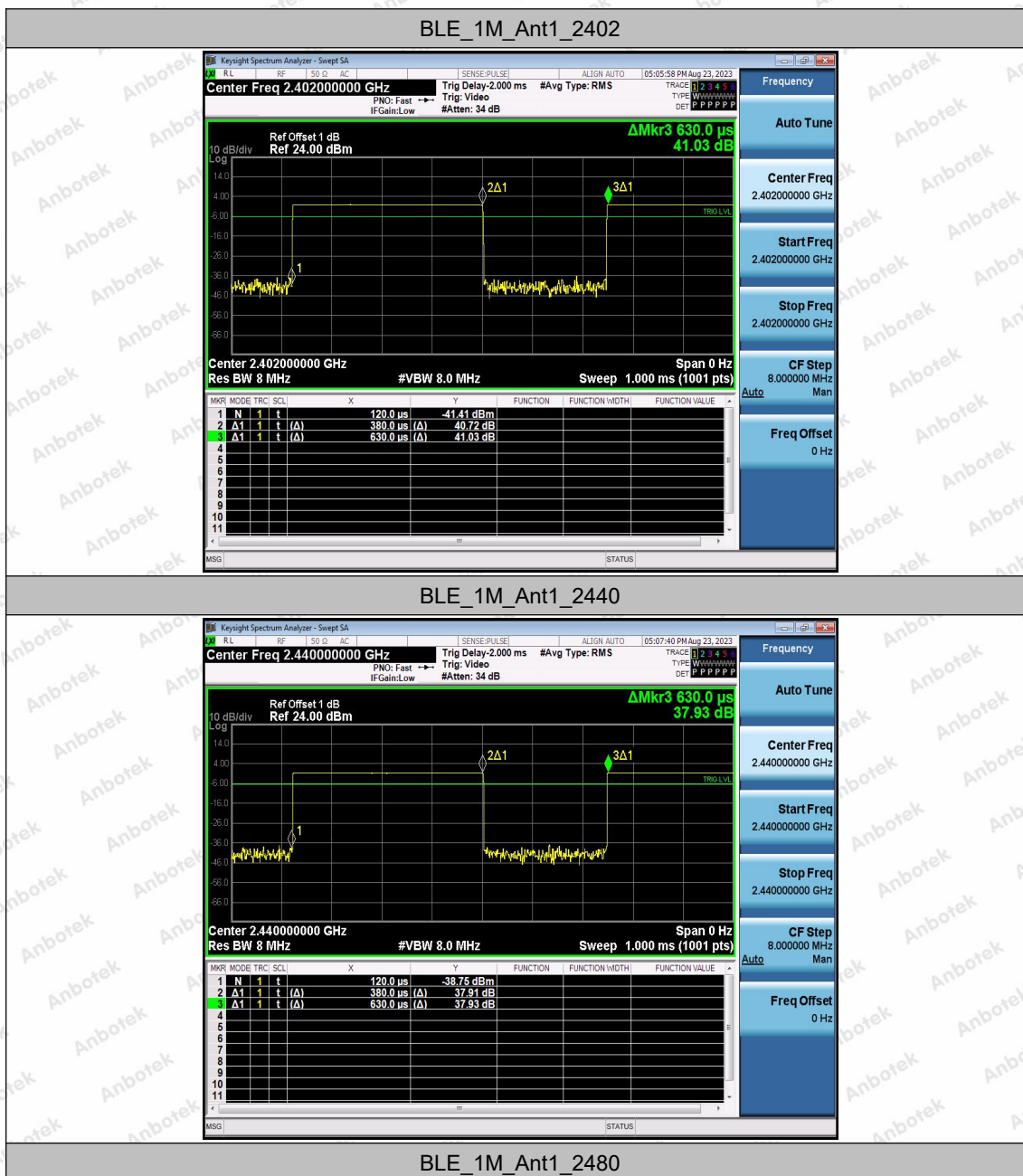
Appendix G: Duty Cycle

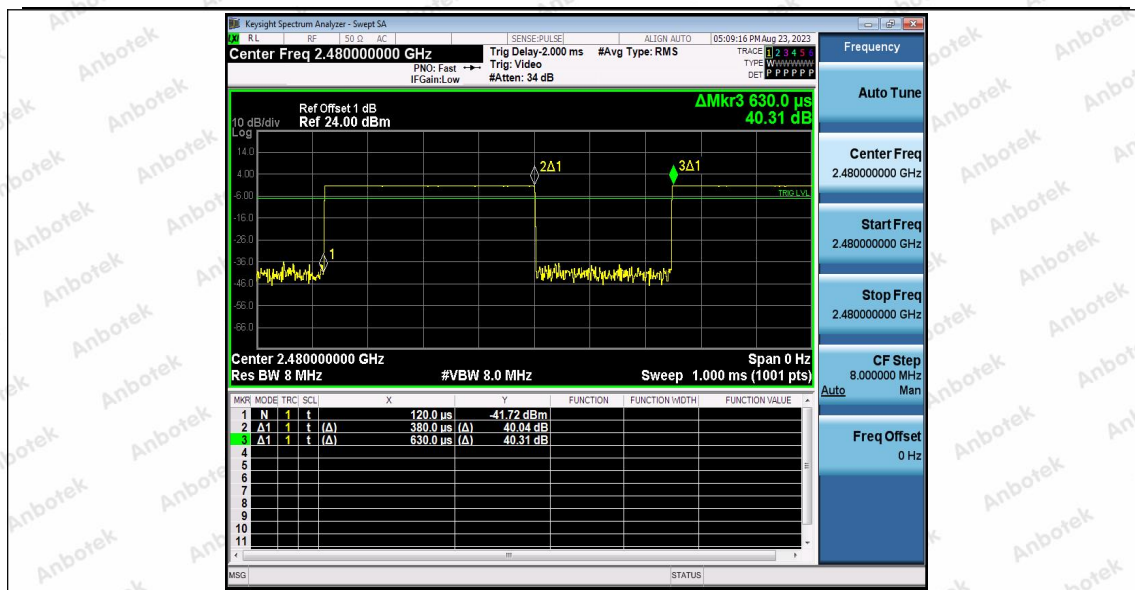
Test Result

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



Test Graphs





---End---

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