

Appendix Test Data

Report No.:	18220WC30080401	Test Sample No.:	1-2-2
Start Test Date:	2023.05.09	Finish Test Date:	2023.05.10
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.9°C	Relative Humidity:	52%
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	0.640	2401.648	2402.288	0.5	PASS
		2440	0.672	2439.616	2440.288	0.5	PASS
		2480	0.604	2479.644	2480.248	0.5	PASS



Test Graphs



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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
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www.anbotek.com.cn





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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	1.0233	2401.4543	2402.4776
		2440	1.0267	2439.4449	2440.4716
		2480	1.0279	2479.4431	2480.4710



Test Graphs



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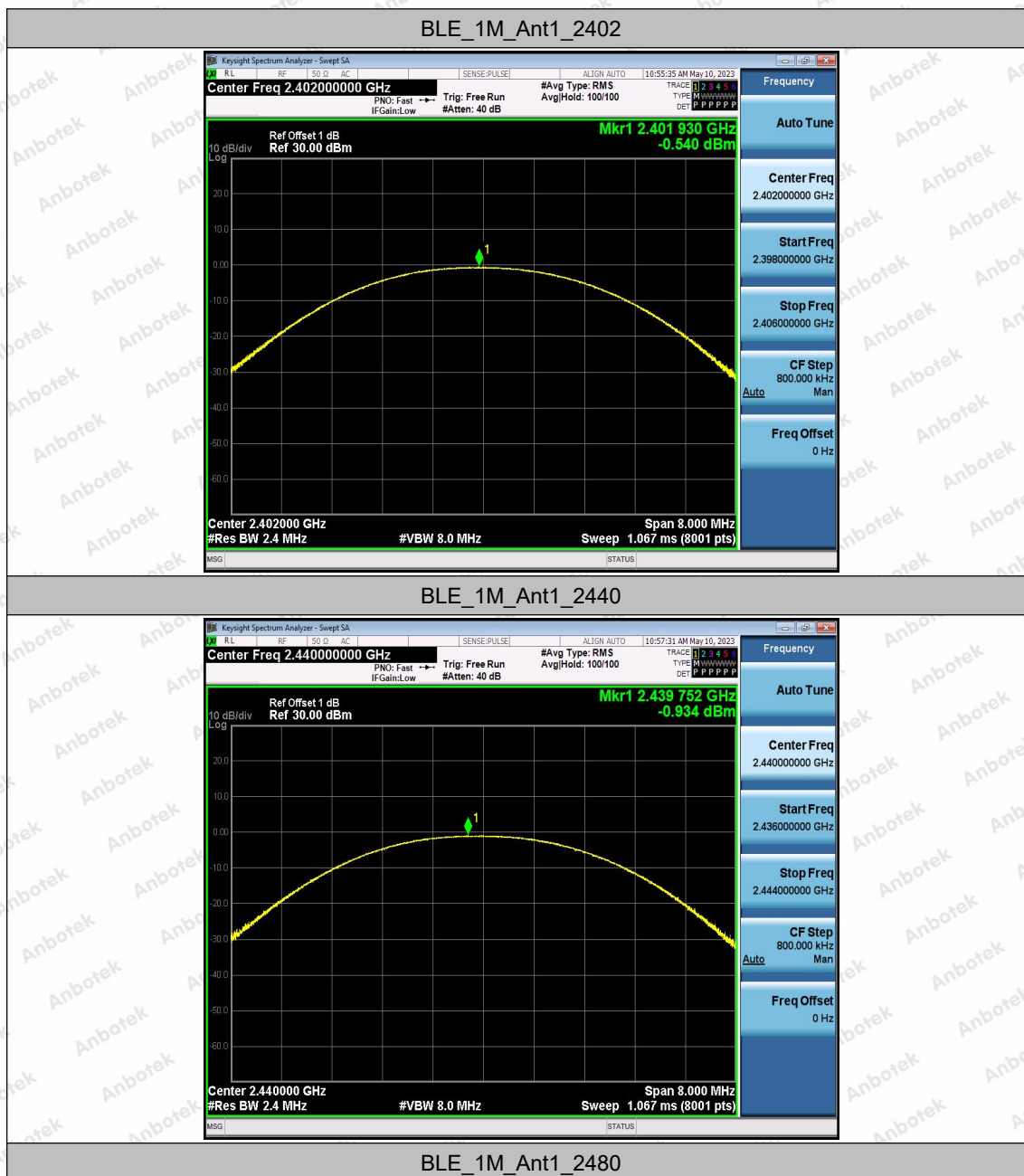
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.54	≤30	PASS
		2440	-0.93	≤30	PASS
		2480	-0.49	≤30	PASS



Test Graphs Peak



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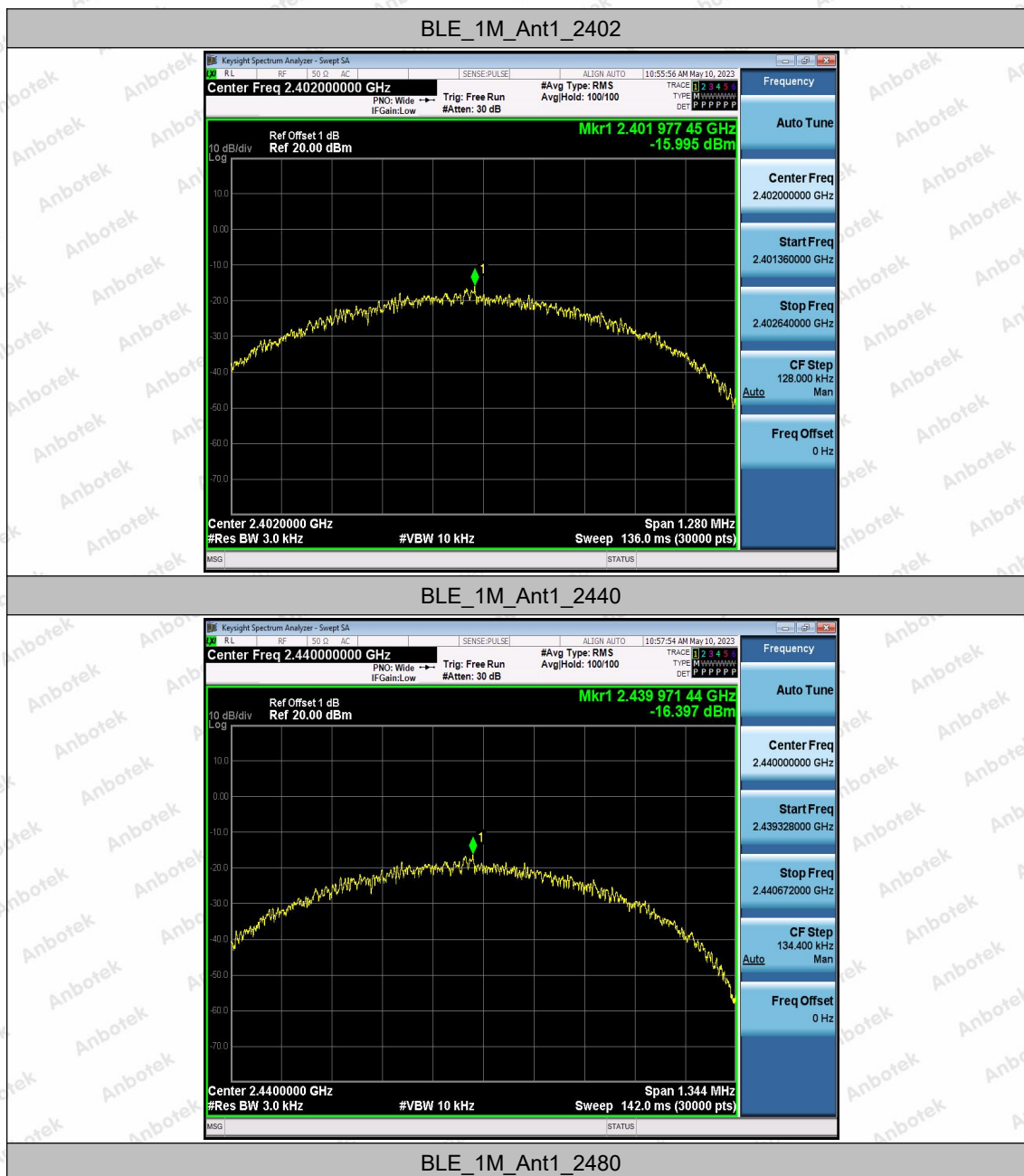
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16	≤8.00	PASS
		2440	-16.4	≤8.00	PASS
		2480	-15.92	≤8.00	PASS



Test Graphs



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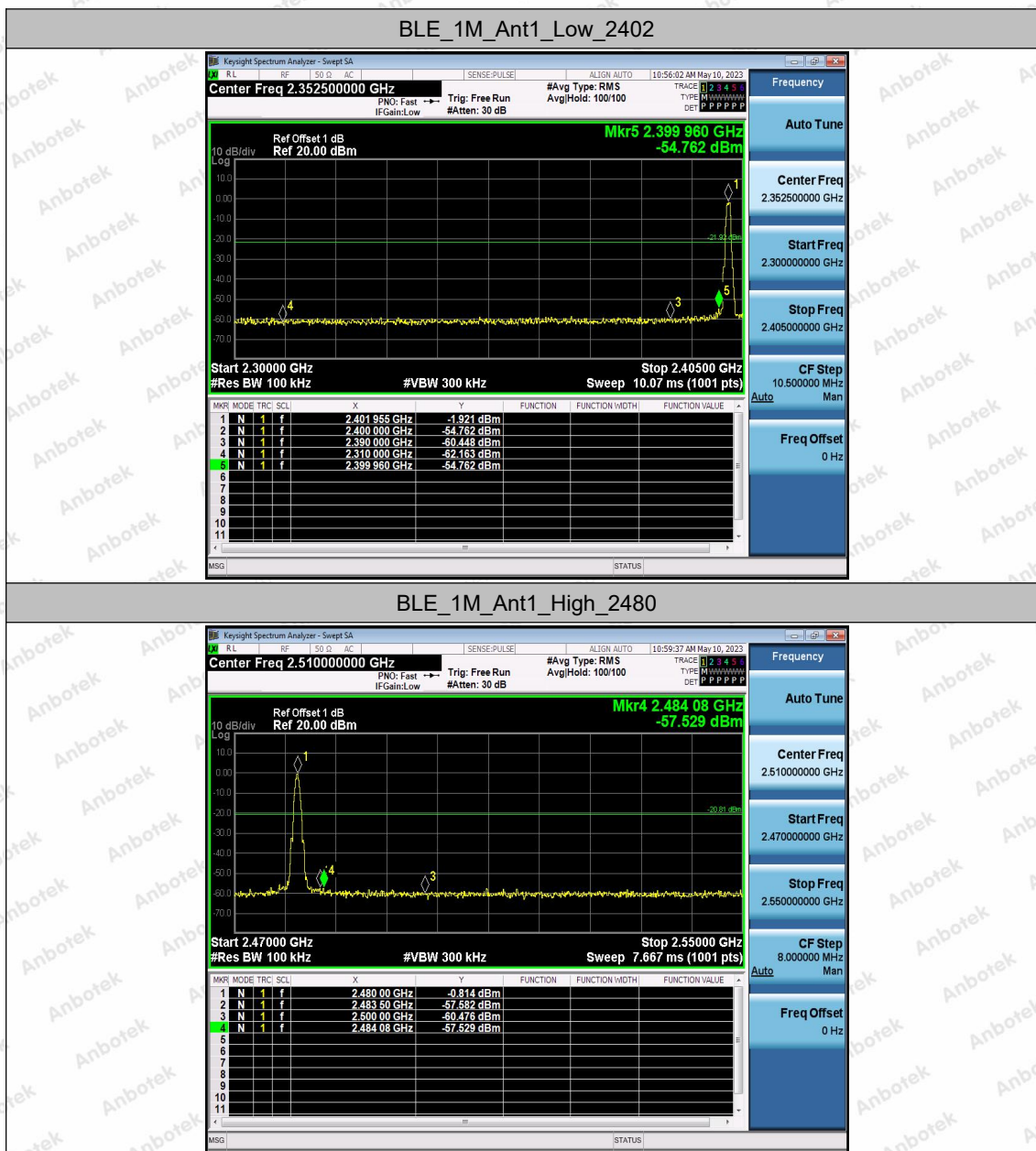
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.92	-54.76	≤-21.92	PASS
		High	2480	-0.81	-57.53	≤-20.81	PASS



Test Graphs



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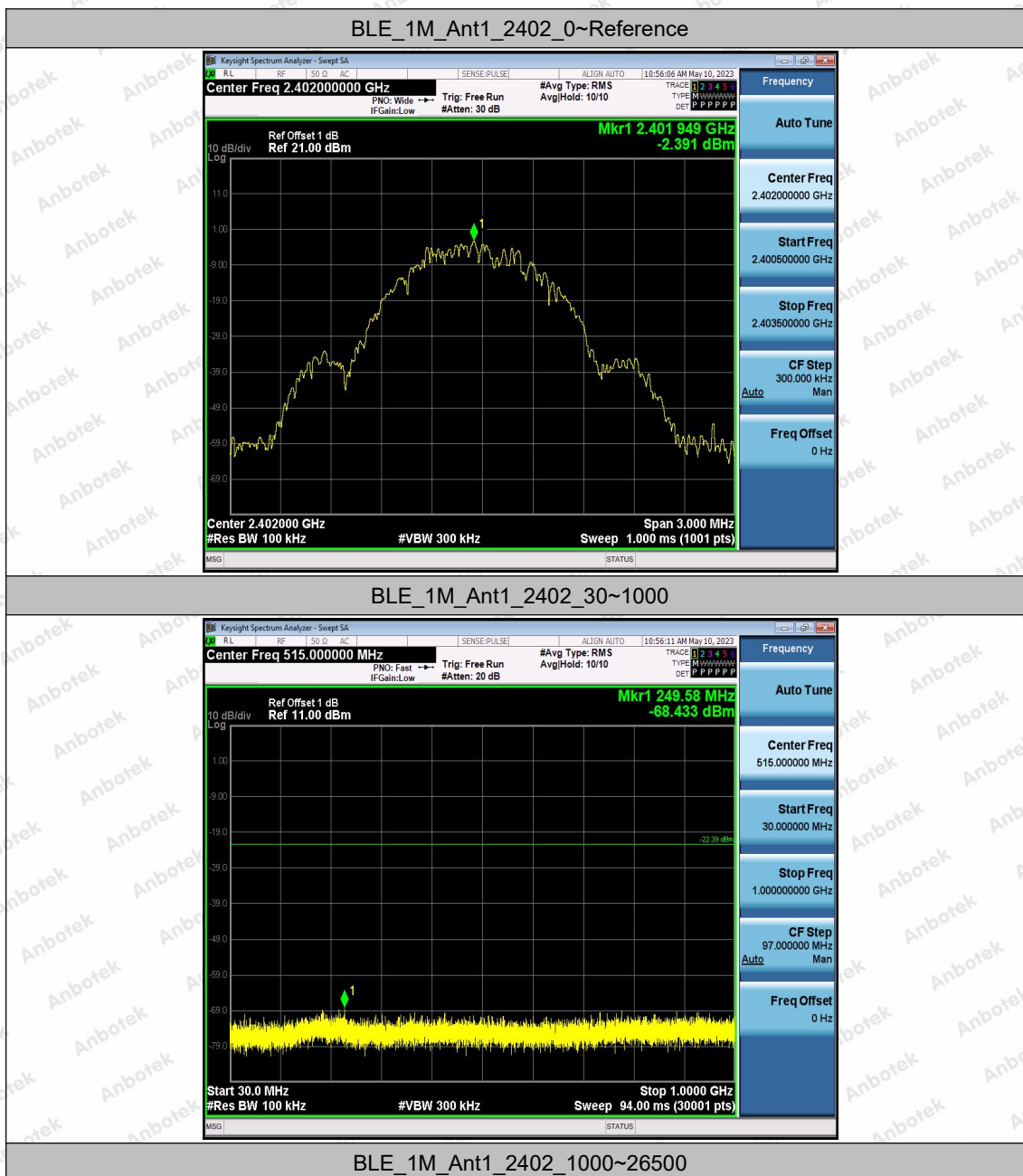
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-68.43	≤-22.39	PASS
			1000~26500	-2.39	-53.4	≤-22.39	PASS
		2440	Reference	-3.20	-3.20	---	PASS
			30~1000	-3.20	-46.31	≤-23.2	PASS
			1000~26500	-3.20	-53.43	≤-23.2	PASS
		2480	Reference	-2.65	-2.65	---	PASS
			30~1000	-2.65	-64.82	≤-22.65	PASS
			1000~26500	-2.65	-53.15	≤-22.65	PASS



Test Graphs



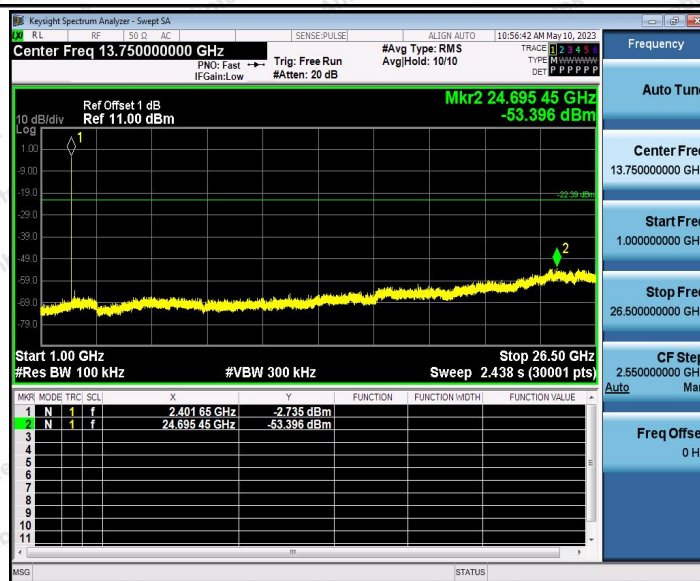
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

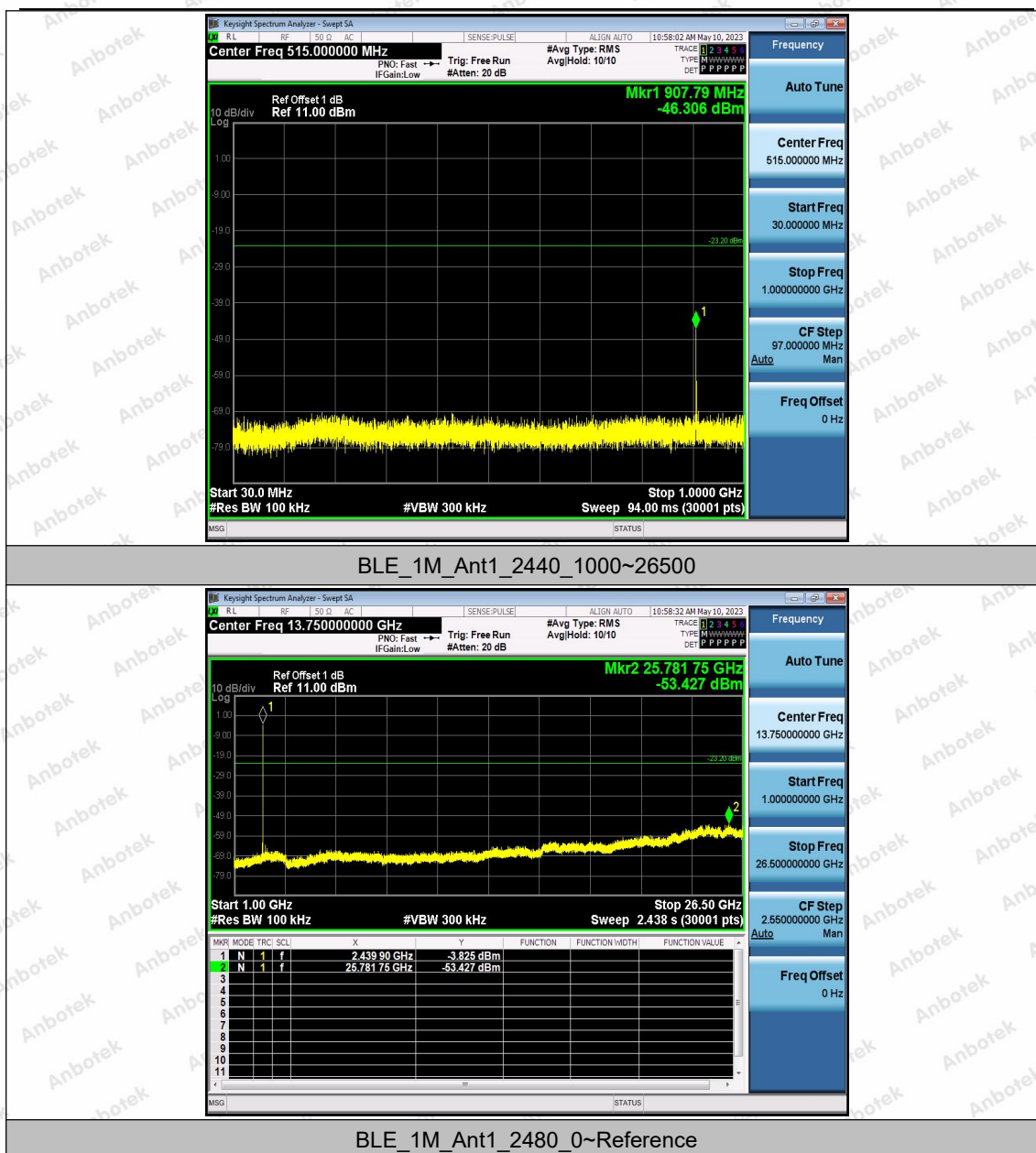
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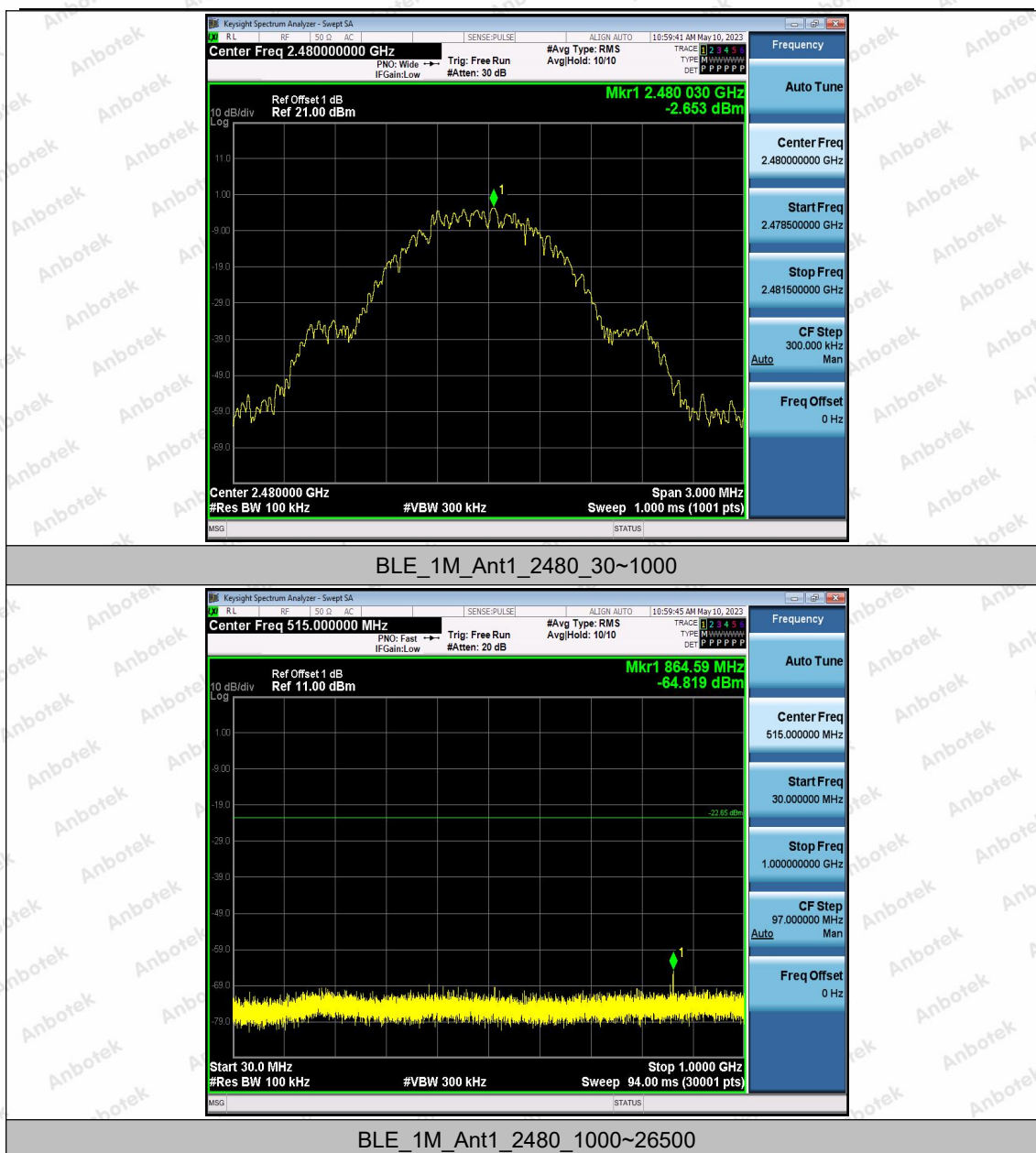
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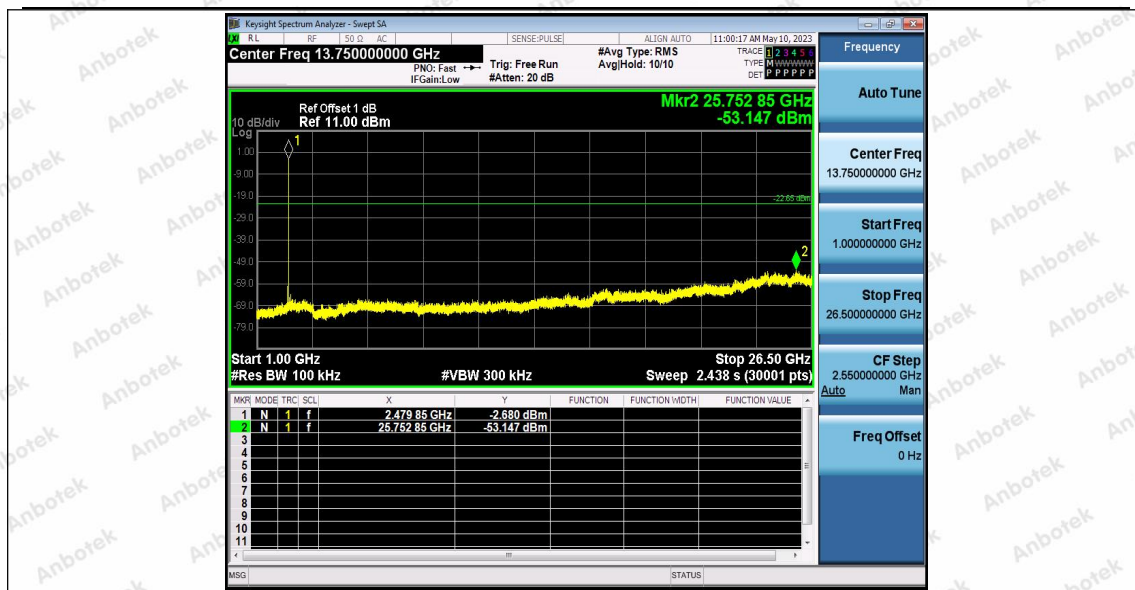
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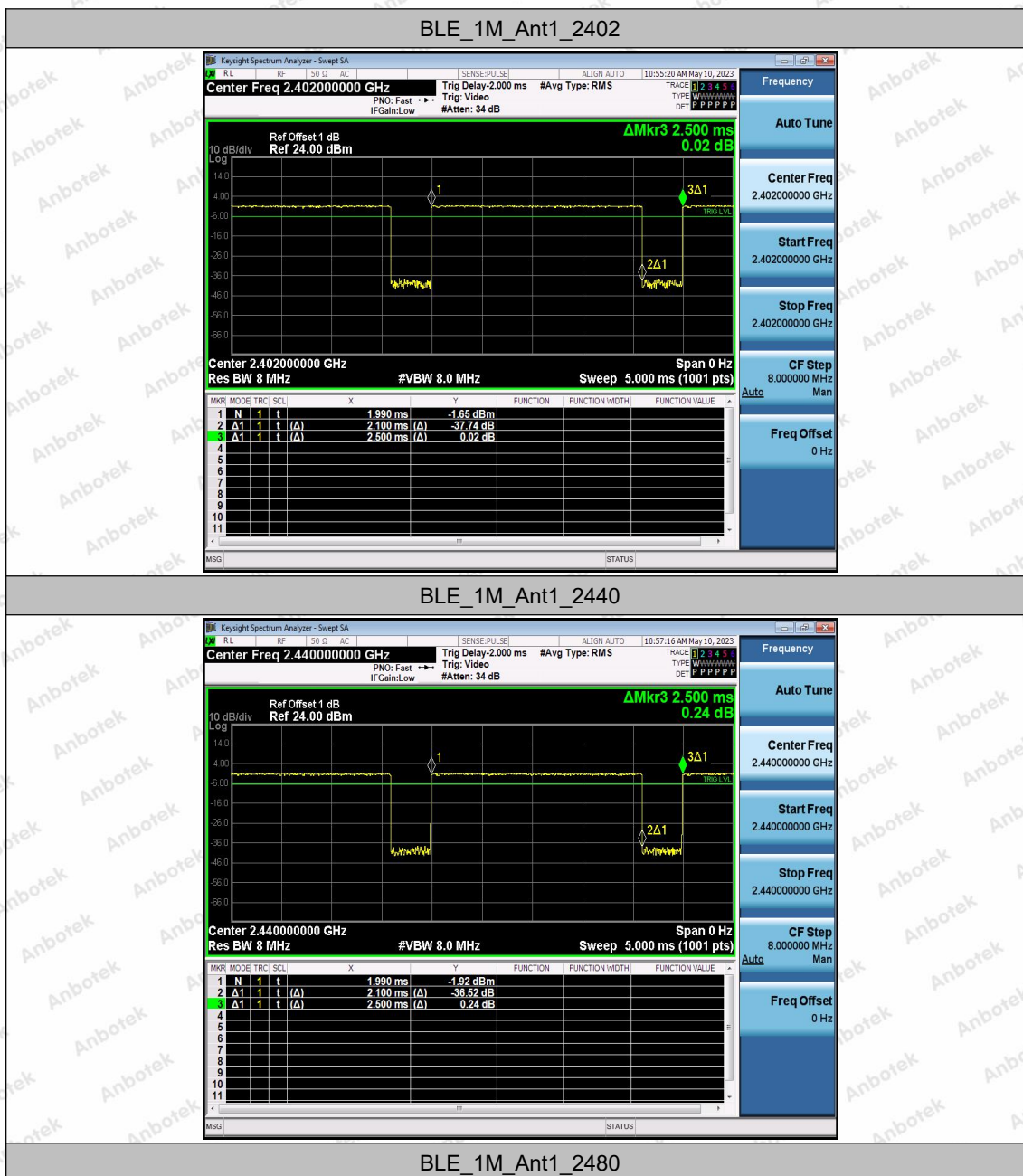
Appendix G: Duty Cycle

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



Test Graphs





---End---

