

Appendix Test Data

Report No.:	18220WC30140901	Test Sample No.:	1-2-2
Start Test Date:	2023.07.10	Finish Test Date:	2023.07.17
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.2°C	Relative Humidity:	48%
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	0.672	2401.644	2402.316	0.5	PASS
		2440	0.692	2439.640	2440.332	0.5	PASS
		2480	0.688	2479.644	2480.332	0.5	PASS



Test Graphs



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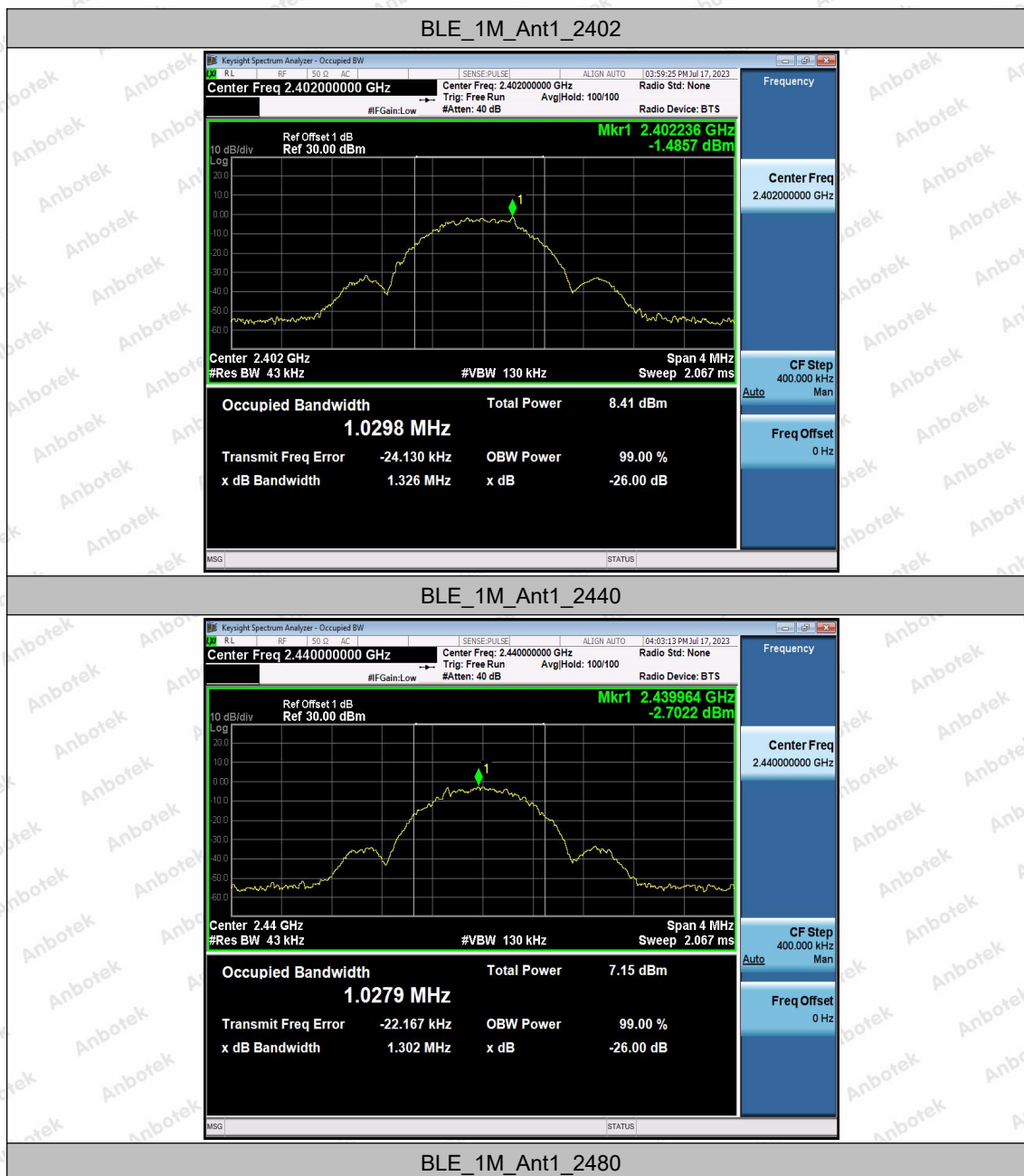
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0298	2401.4610	2402.4908
		2440	1.0279	2439.4639	2440.4918
		2480	1.0266	2479.4598	2480.4864



Test Graphs



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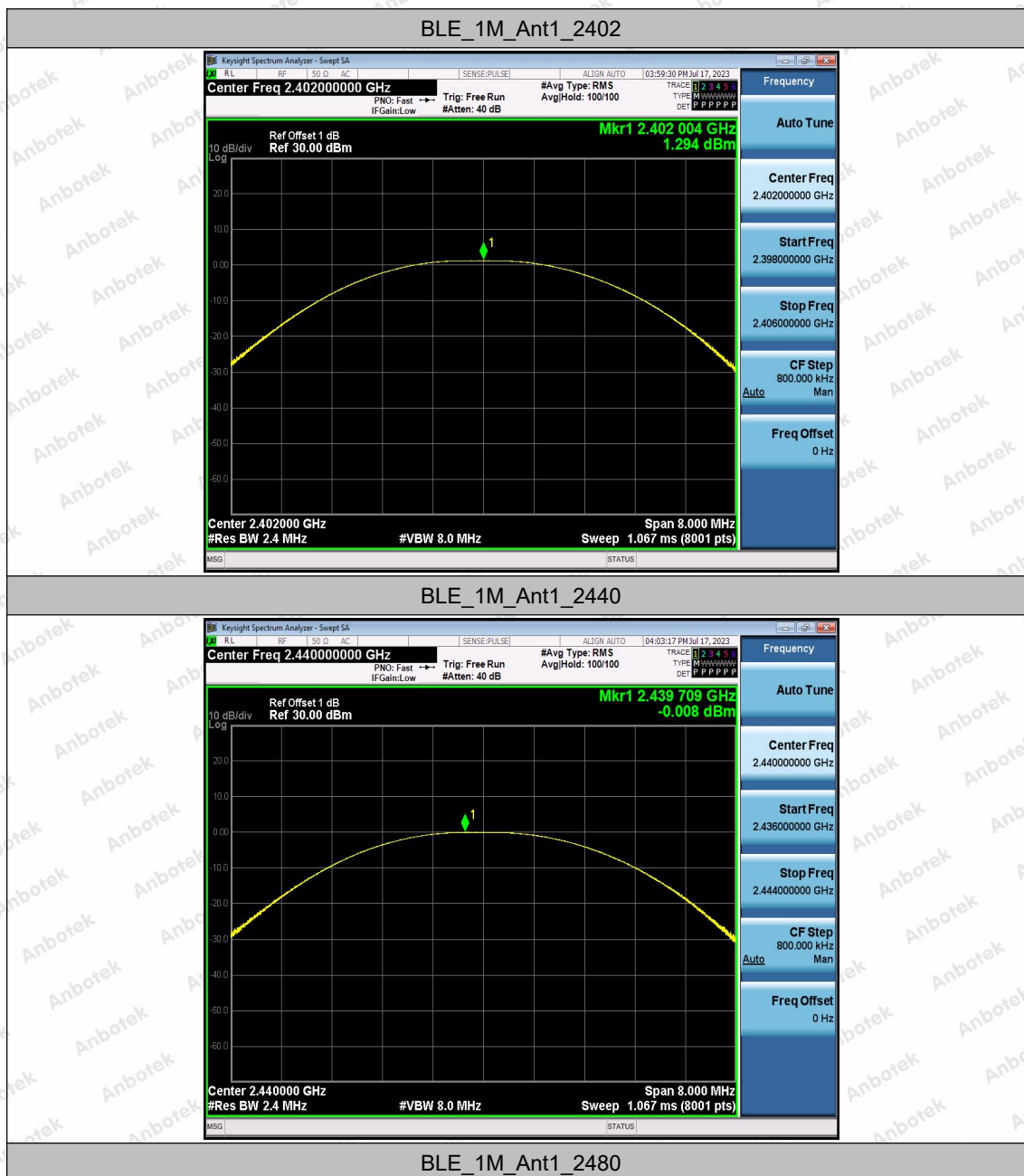
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.29	≤30	PASS
		2440	-0.01	≤30	PASS
		2480	-1.32	≤30	PASS



Test Graphs Peak



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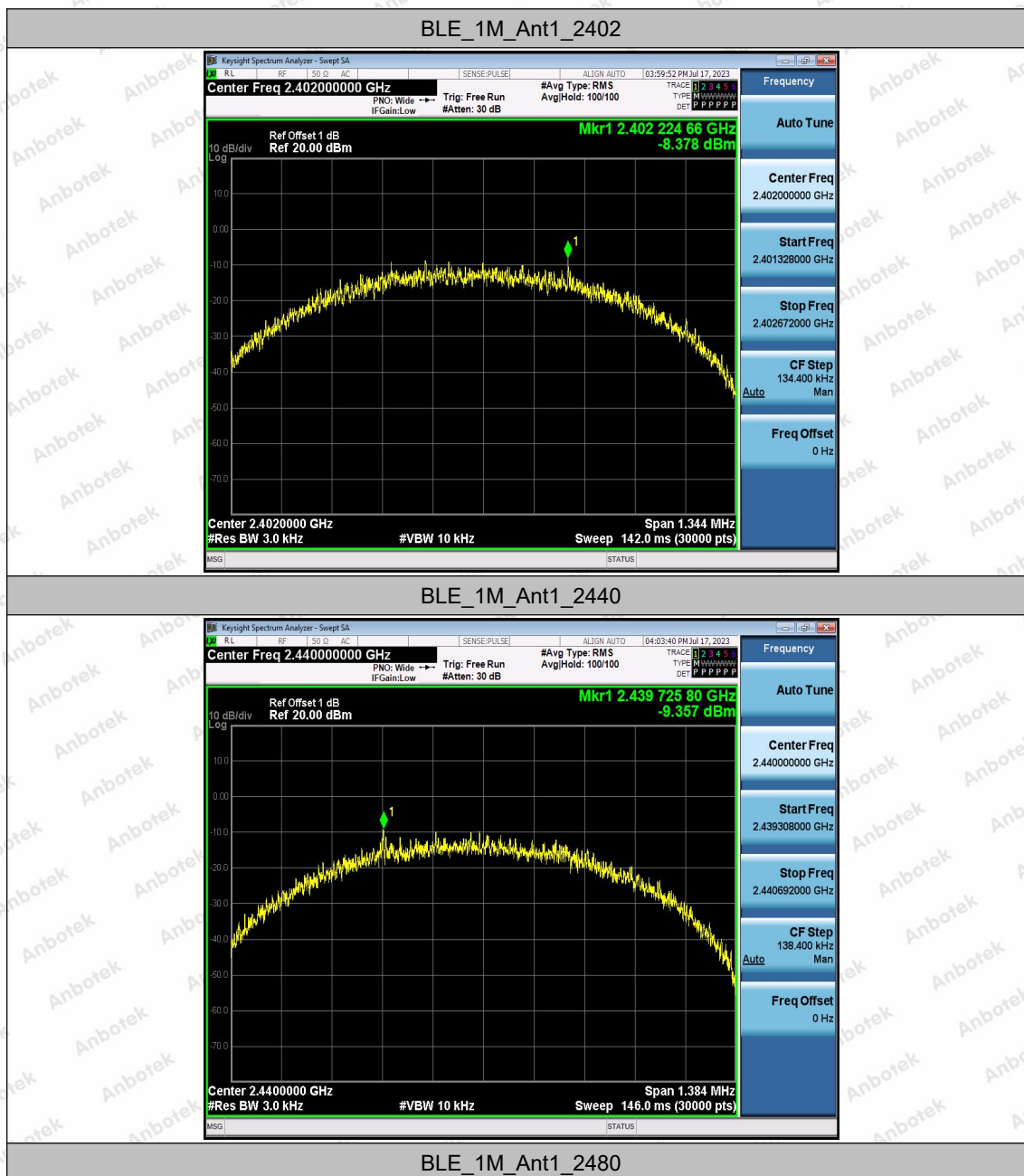
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.38	≤8.00	PASS
		2440	-9.36	≤8.00	PASS
		2480	-11.92	≤8.00	PASS



Test Graphs



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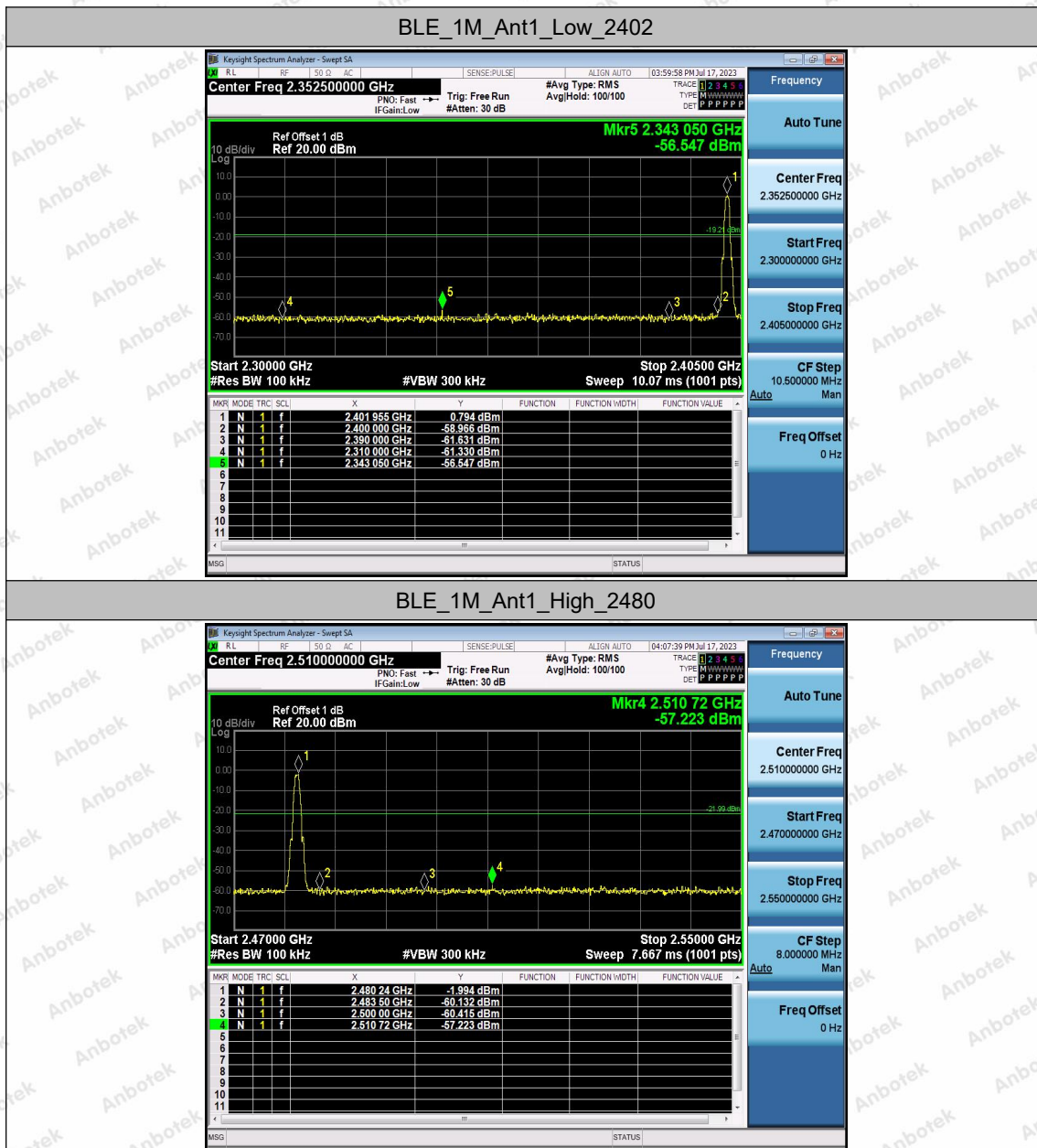
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.79	-56.55	≤-19.21	PASS
		High	2480	-1.99	-57.22	≤-21.99	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	-0.28	-0.28	---	PASS
			30~1000	-0.28	-68.86	≤-20.28	PASS
			1000~26500	-0.28	-43.98	≤-20.28	PASS
		2440	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-68.92	≤-21.93	PASS
			1000~26500	-1.93	-41.62	≤-21.93	PASS
		2480	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-68.63	≤-22.17	PASS
			1000~26500	-2.17	-40.54	≤-22.17	PASS



Test Graphs

BLE_1M_Ant1_2402_0~Reference

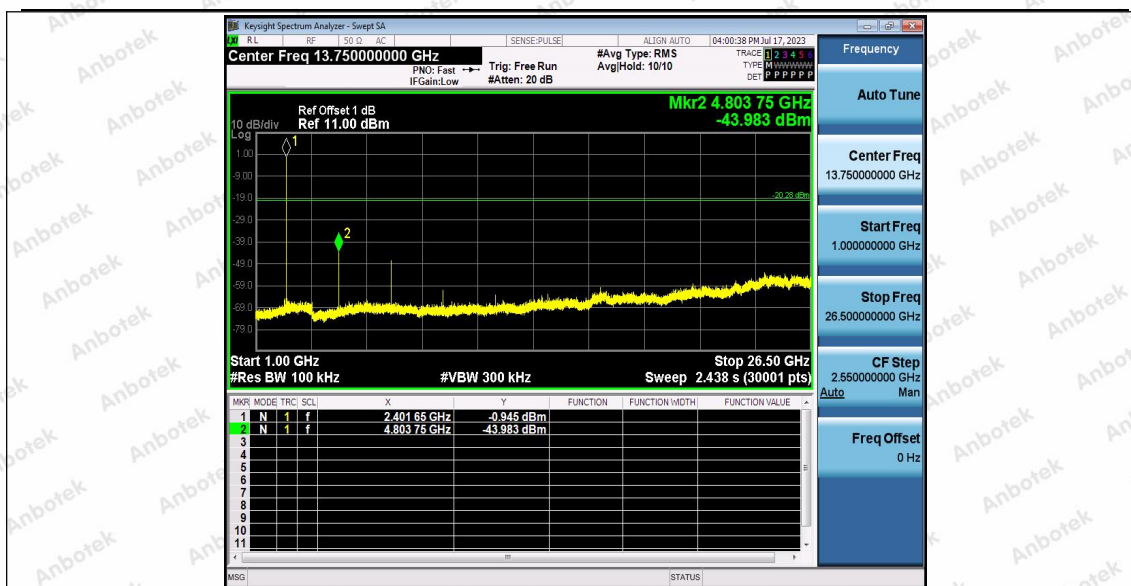


BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500



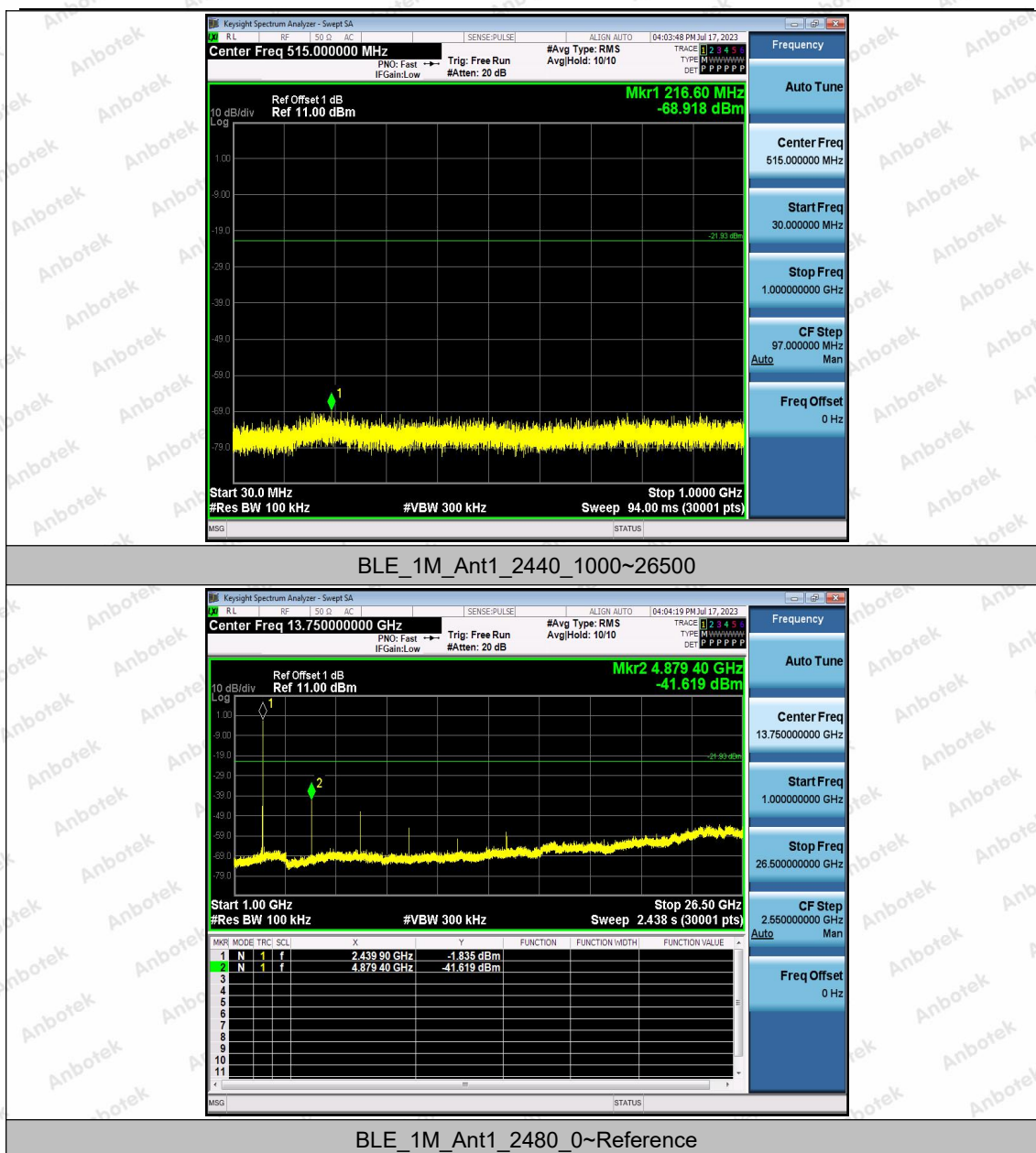


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



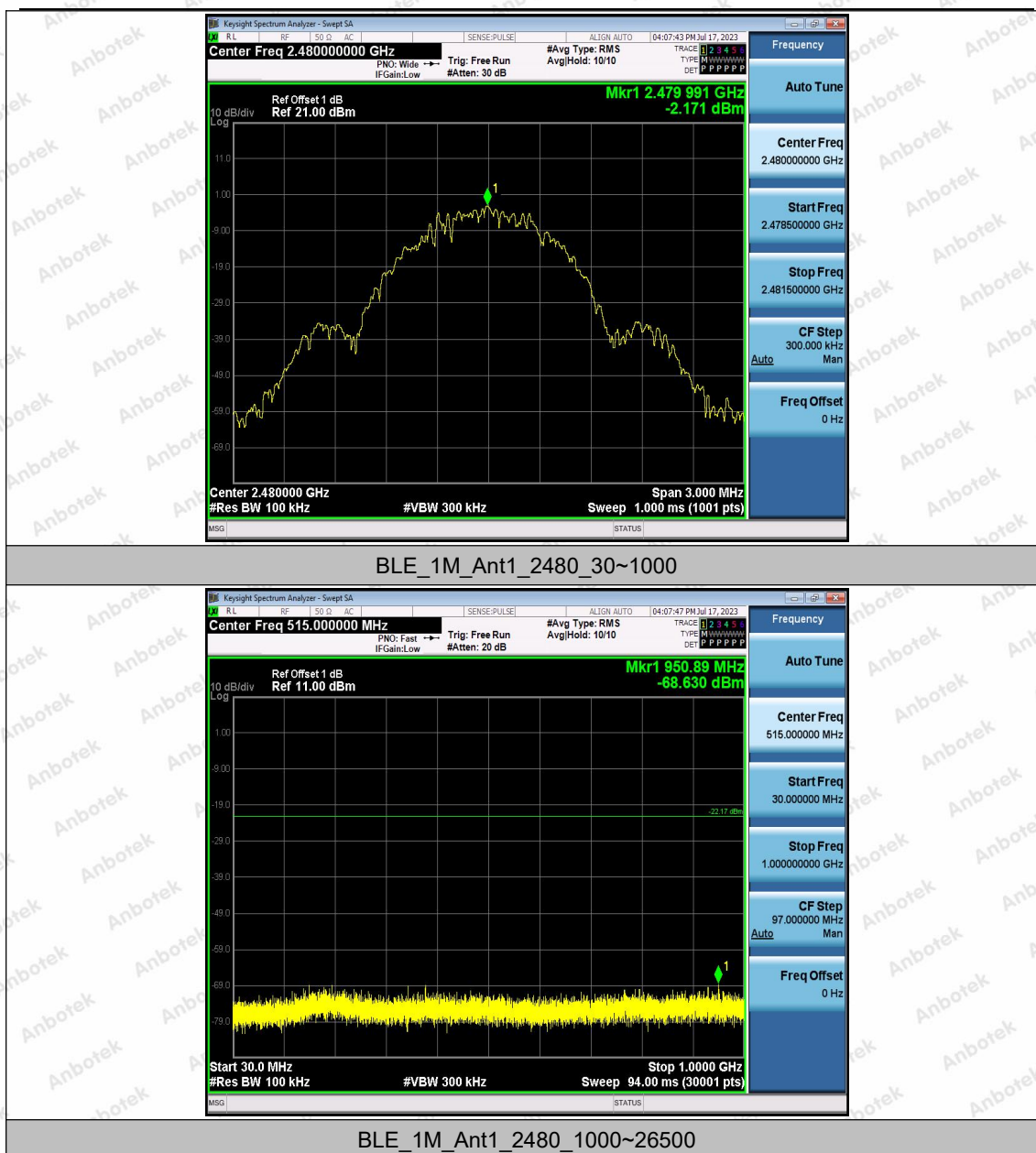
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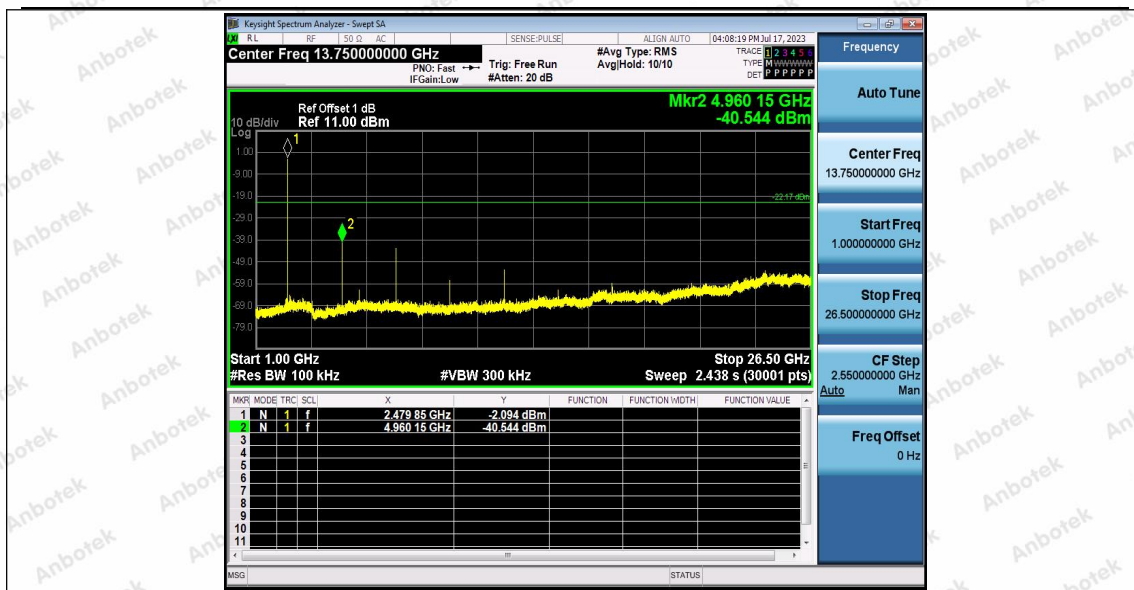
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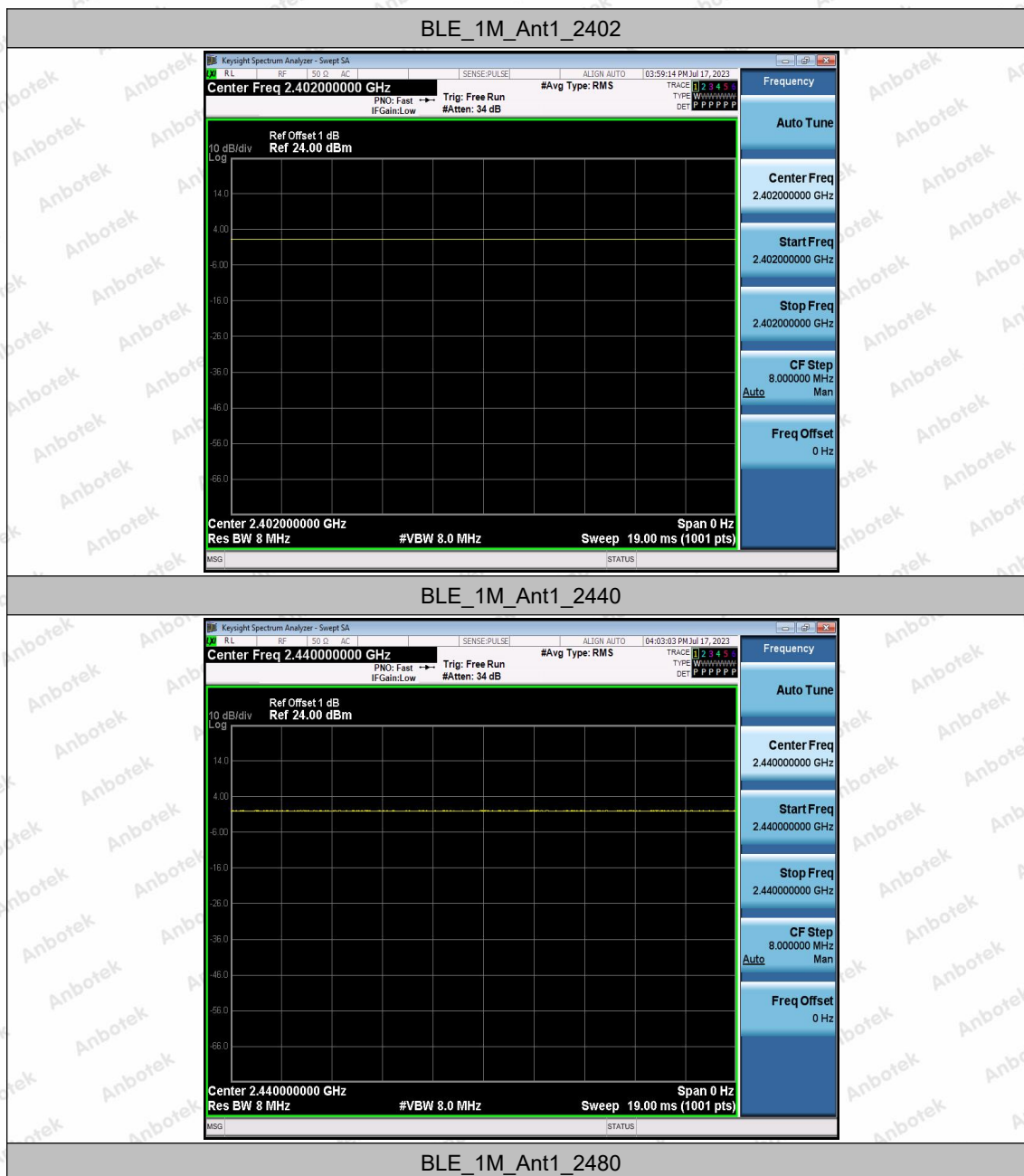
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



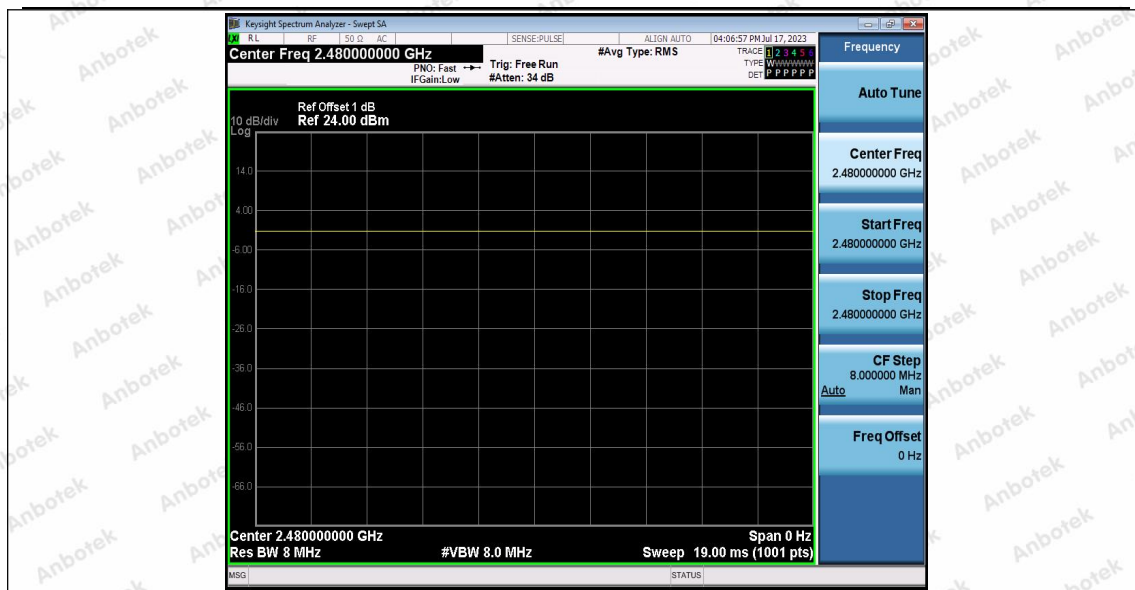
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