

Appendix Test Data

Report No.:	18220WC30206903	Test Sample No.:	1-2-2
Start Test Date:	2023.09.21	Finish Test Date:	2023.09.27
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.1°C	Relative Humidity:	48.9%
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	0.664	2401.664	2402.328	0.5	PASS
		2440	0.664	2439.664	2440.328	0.5	PASS
		2480	0.652	2479.672	2480.324	0.5	PASS



Test Graphs



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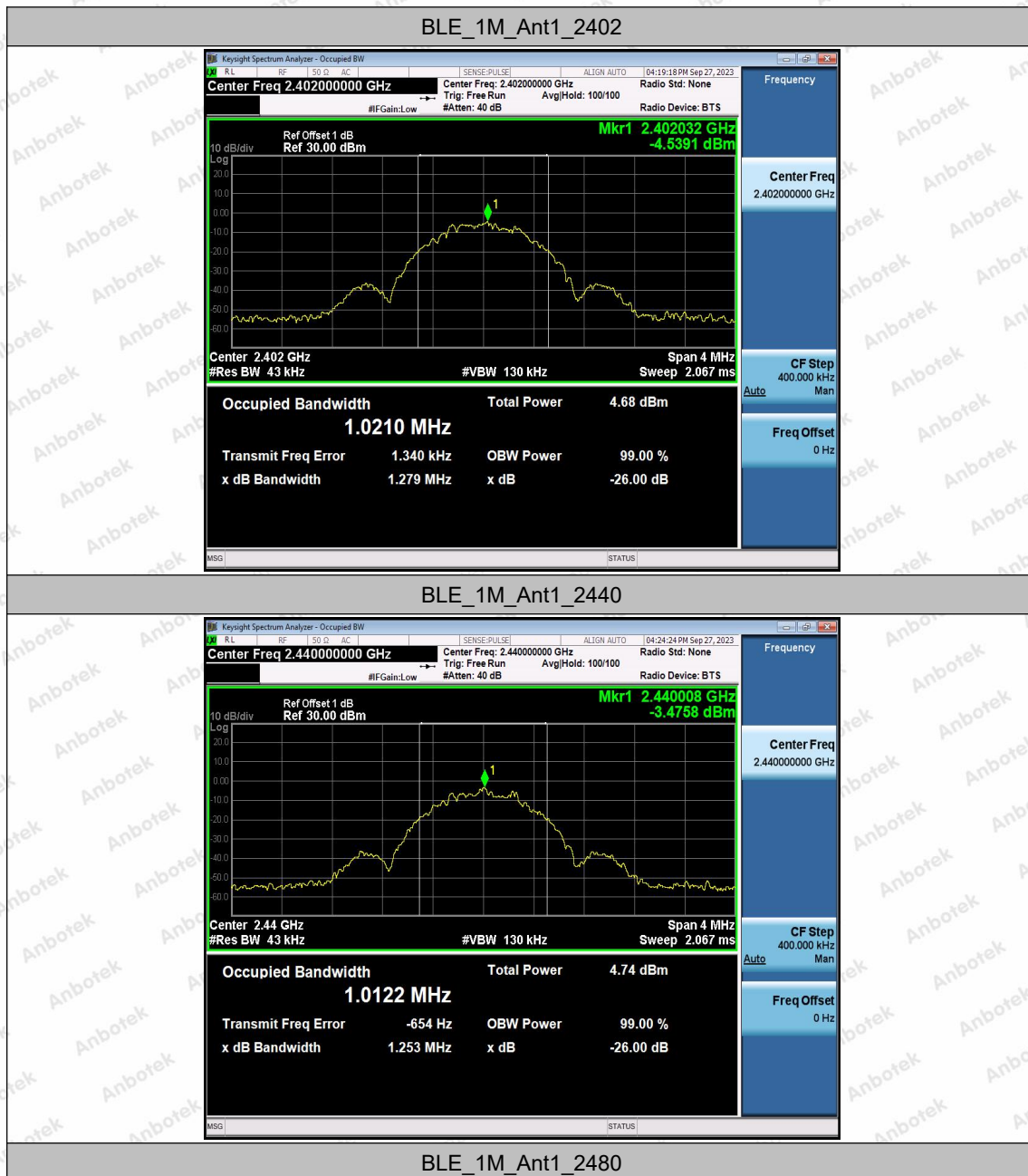
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0210	2401.4908	2402.5118
		2440	1.0122	2439.4933	2440.5055
		2480	1.0136	2479.4959	2480.5095



Test Graphs



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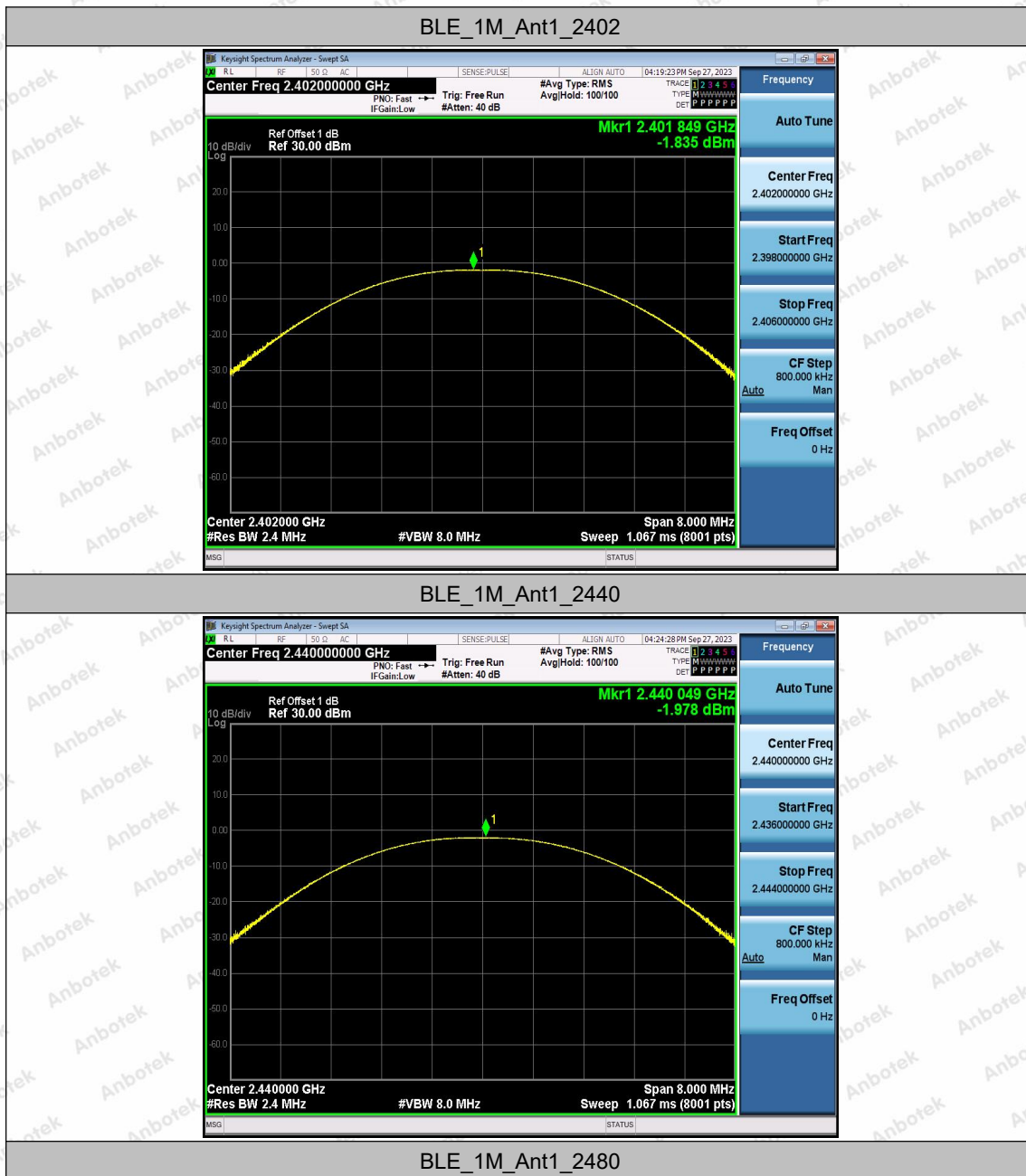
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.84	≤30	PASS
		2440	-1.98	≤30	PASS
		2480	-2.27	≤30	PASS



Test Graphs Peak



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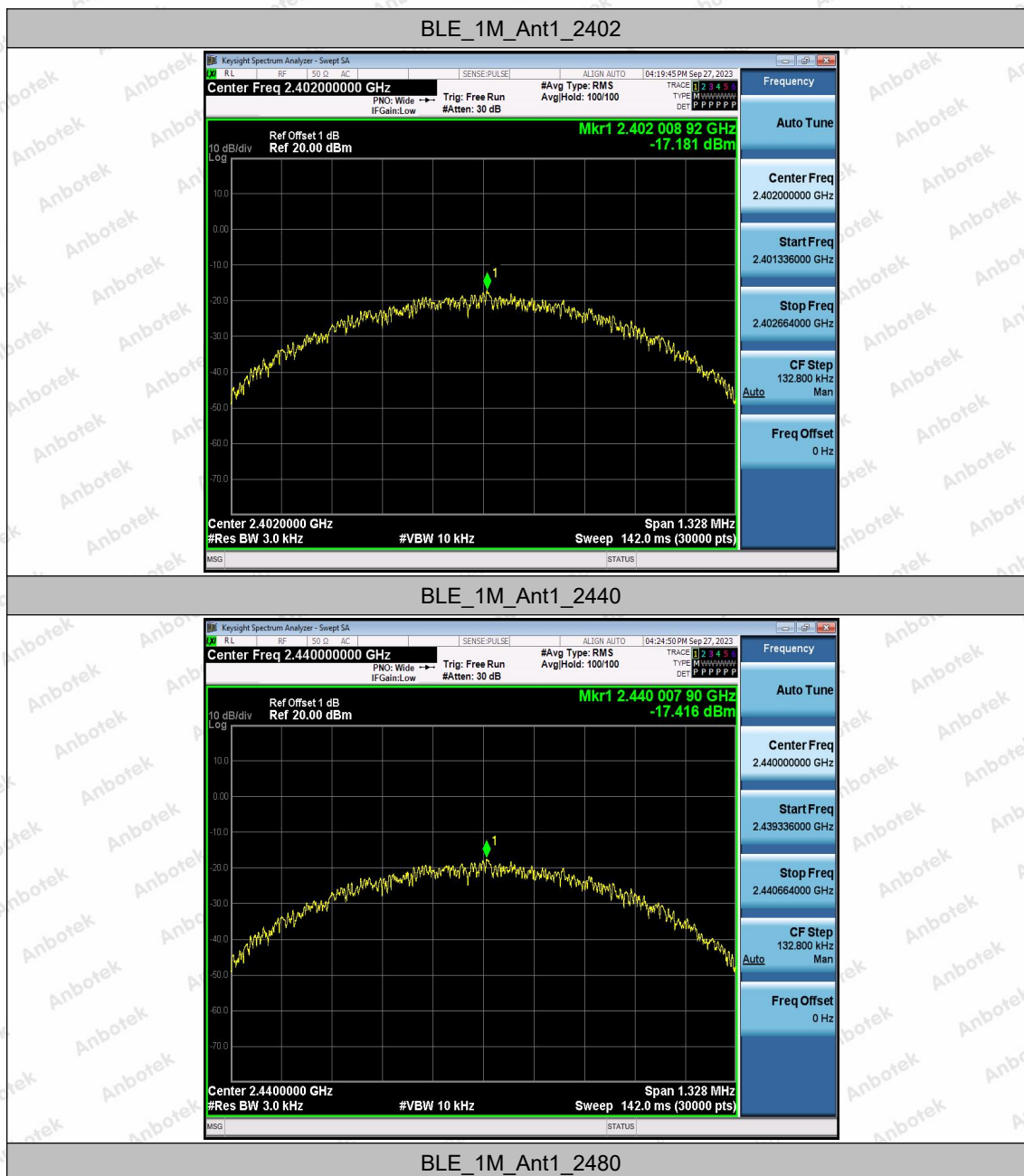
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.18	≤8.00	PASS
		2440	-17.42	≤8.00	PASS
		2480	-17.66	≤8.00	PASS



Test Graphs



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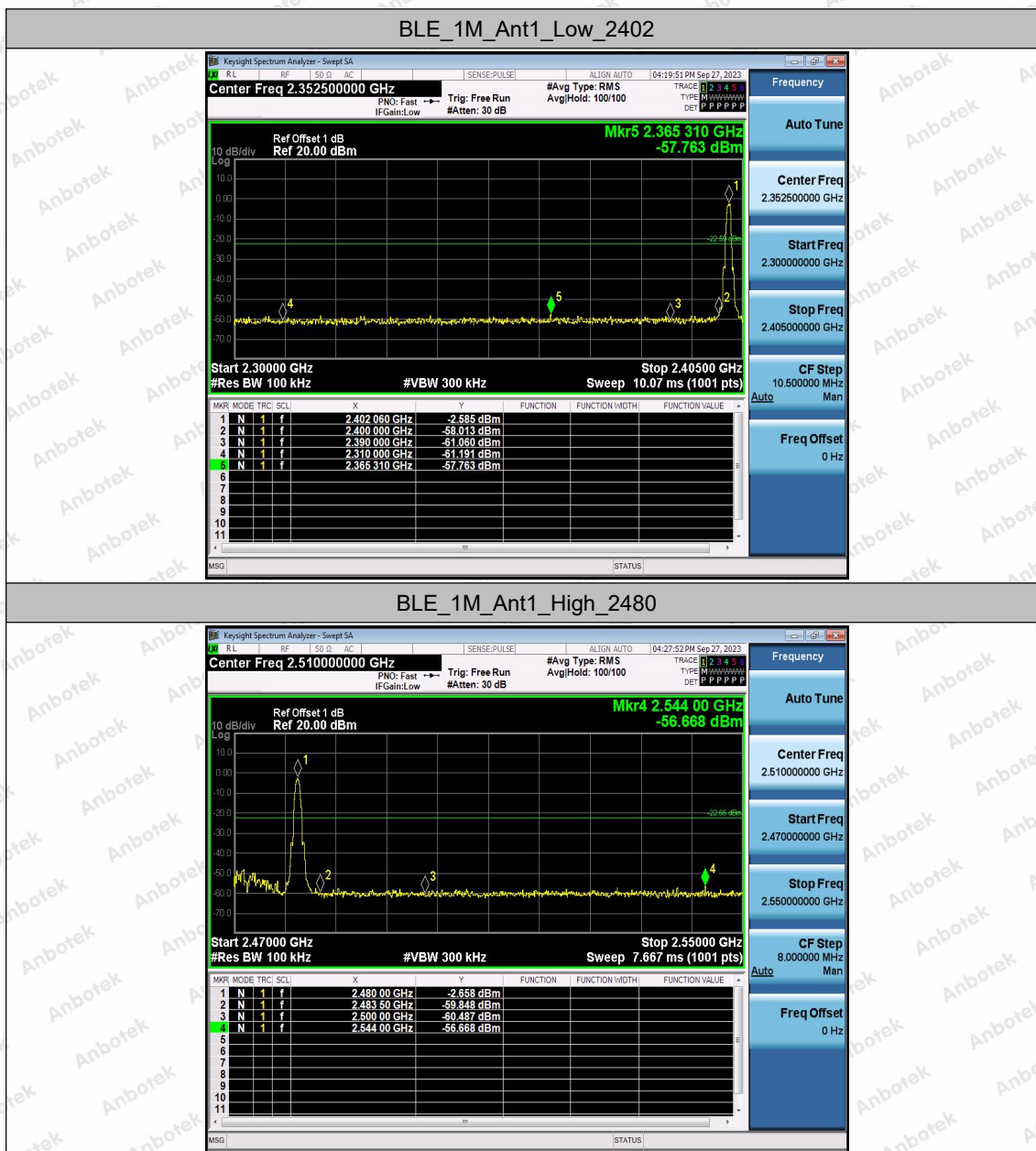
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.59	-57.76	≤-22.59	PASS
		High	2480	-2.66	-56.67	≤-22.66	PASS



Test Graphs



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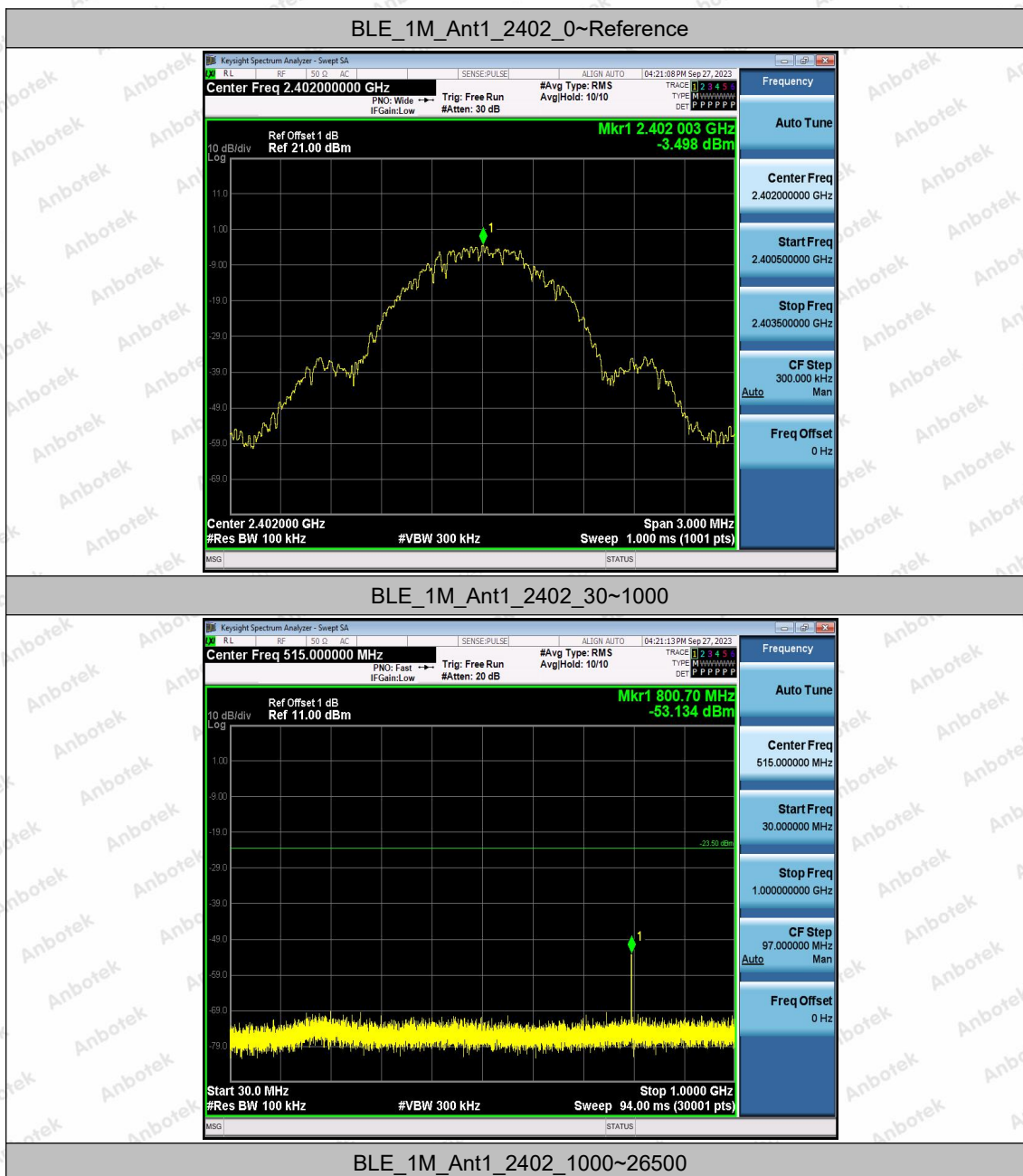
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.50	-3.50	---	PASS
			30~1000	-3.50	-53.13	≤-23.5	PASS
			1000~26500	-3.50	-52.14	≤-23.5	PASS
		2440	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-51.05	≤-22.47	PASS
			1000~26500	-2.47	-53.49	≤-22.47	PASS
		2480	Reference	-3.79	-3.79	---	PASS
			30~1000	-3.79	-52.47	≤-23.79	PASS
			1000~26500	-3.79	-53.36	≤-23.79	PASS



Test Graphs



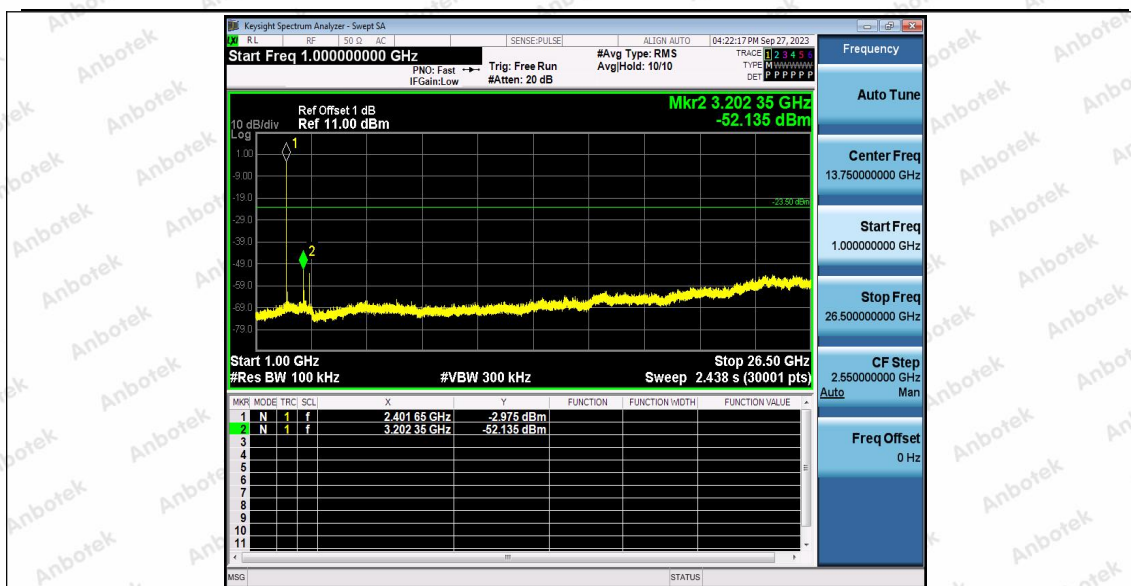
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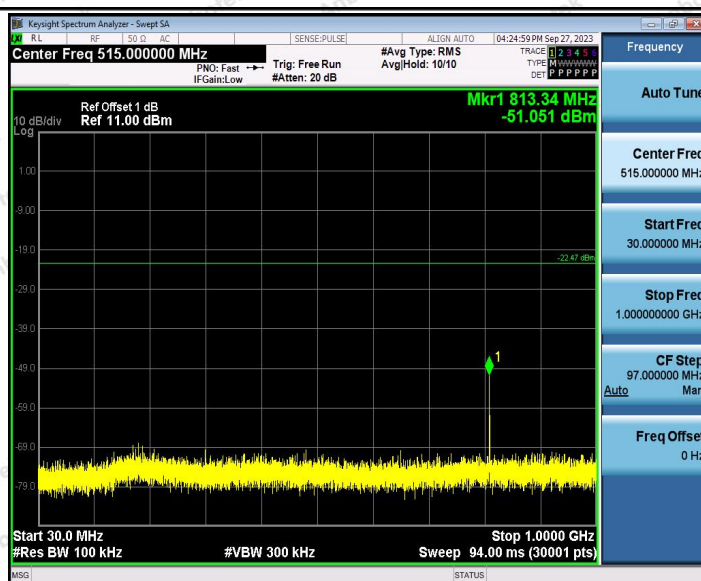


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

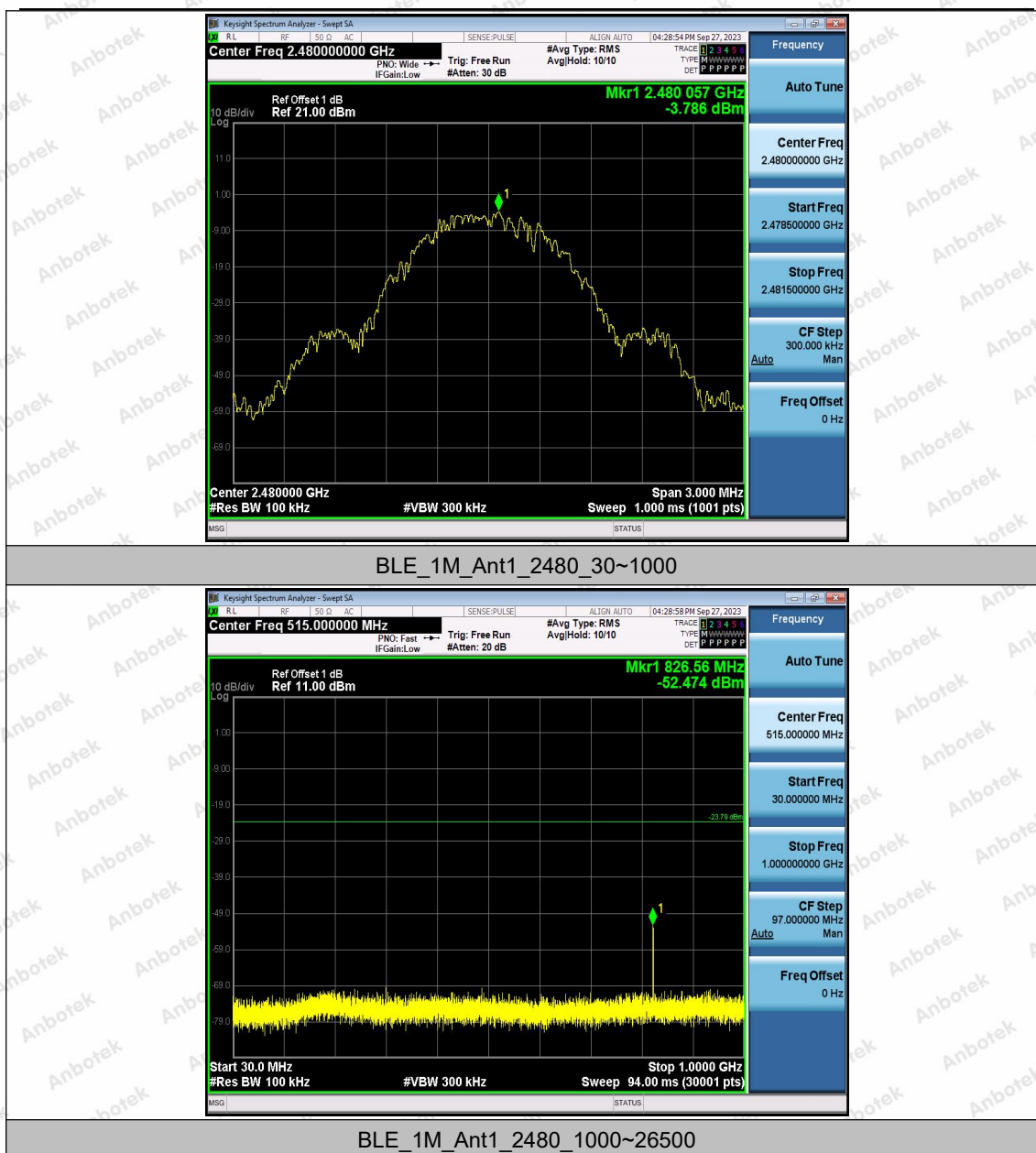
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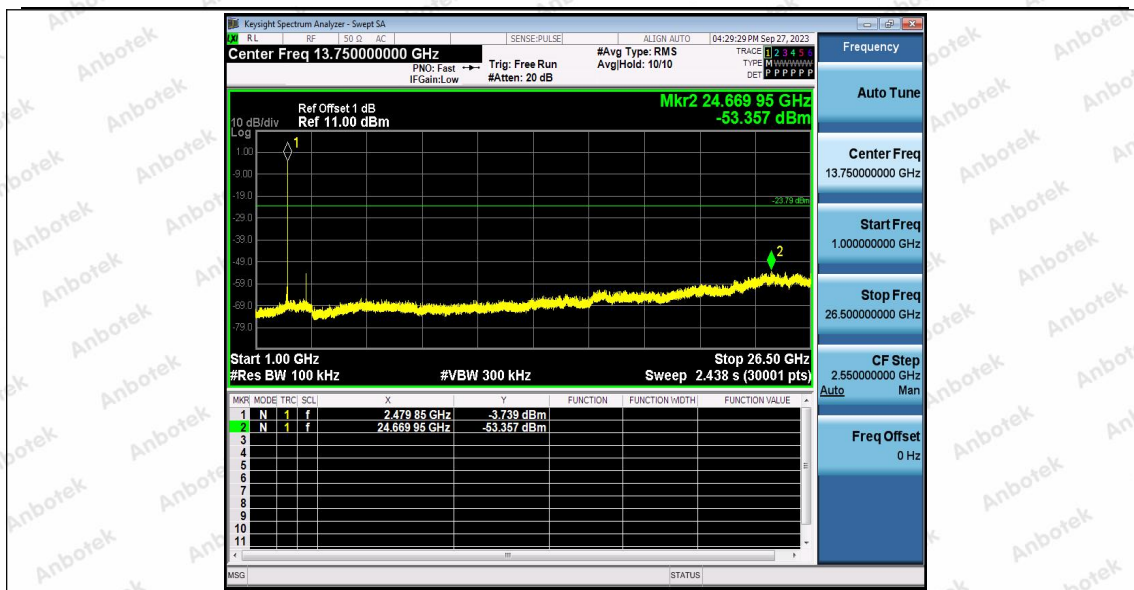
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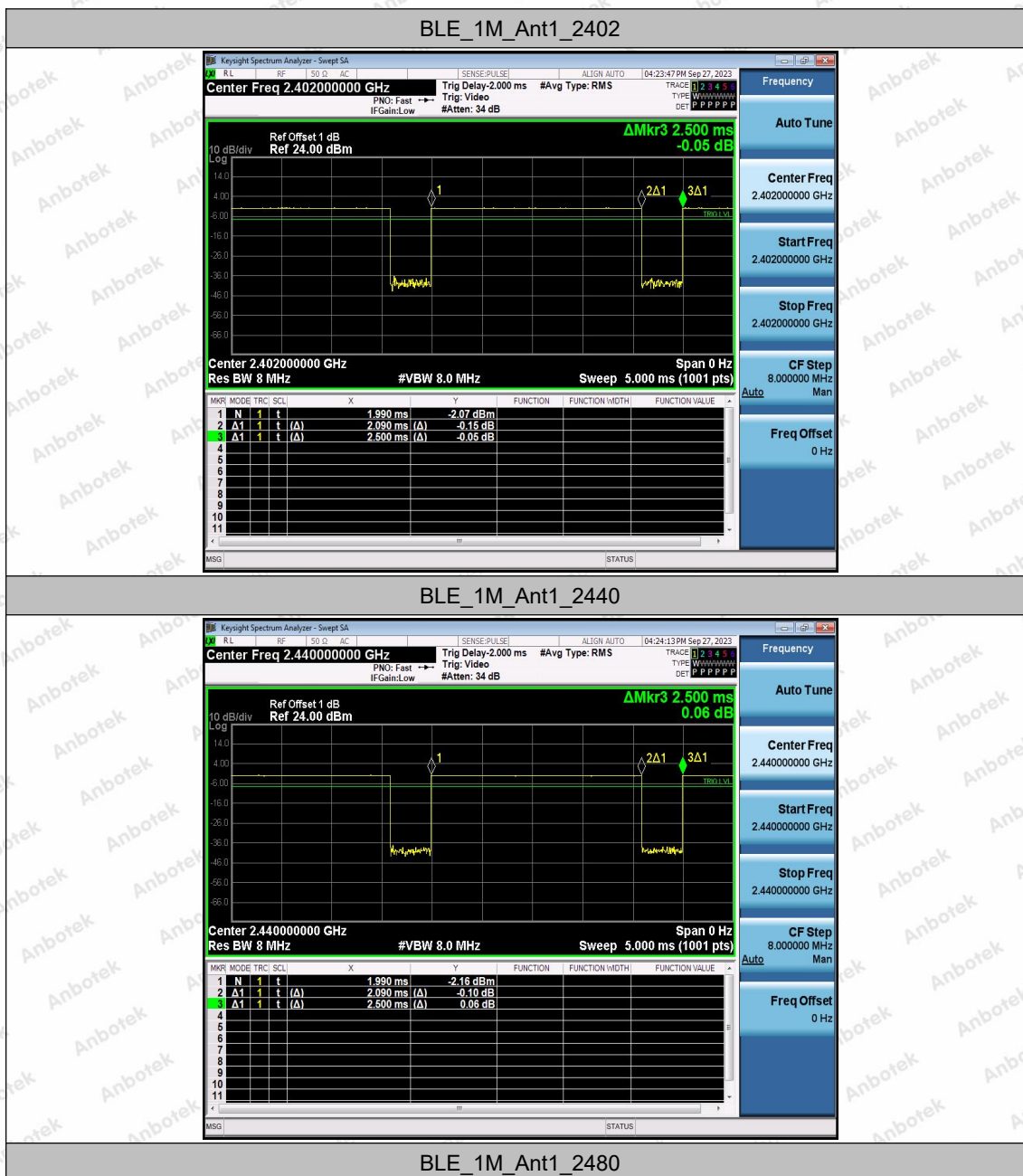
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.09	2.50	83.60	0.78
		2440	2.09	2.50	83.60	0.78
		2480	2.09	2.50	83.60	0.78



Test Graphs



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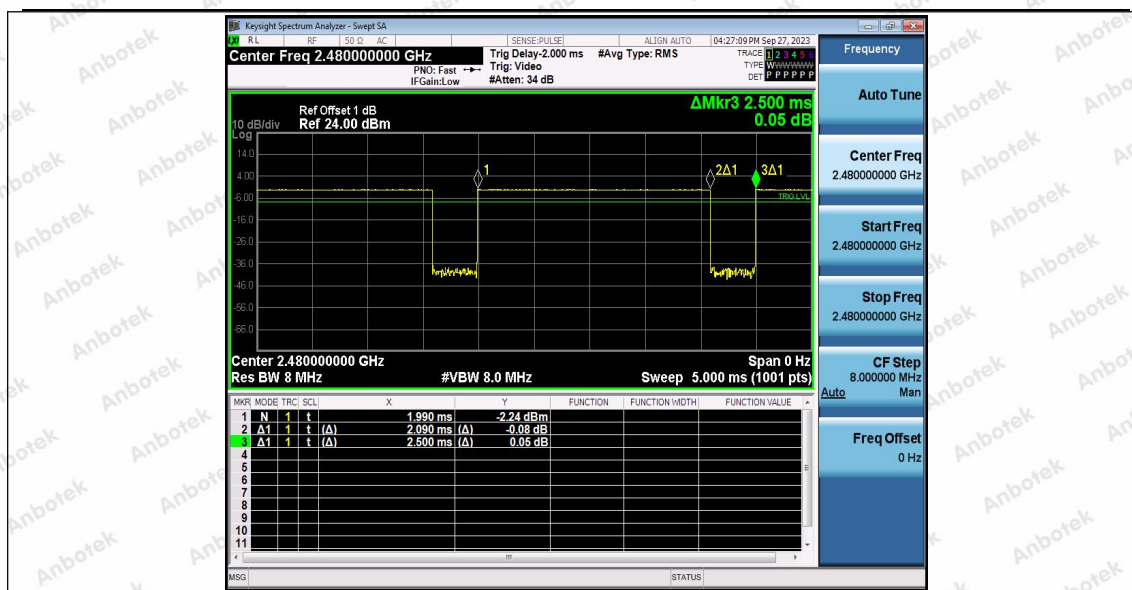


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