

Appendix Test Data

Report No.:	18220WC30065504	Test Sample No.:	1-2-2
Start Test Date:	2023.4.17	Finish Test Date:	2023.4.28
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.9C°	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	0.664	2401.672	2402.336	0.5	PASS
		2440	0.700	2439.640	2440.340	0.5	PASS
		2480	0.668	2479.668	2480.336	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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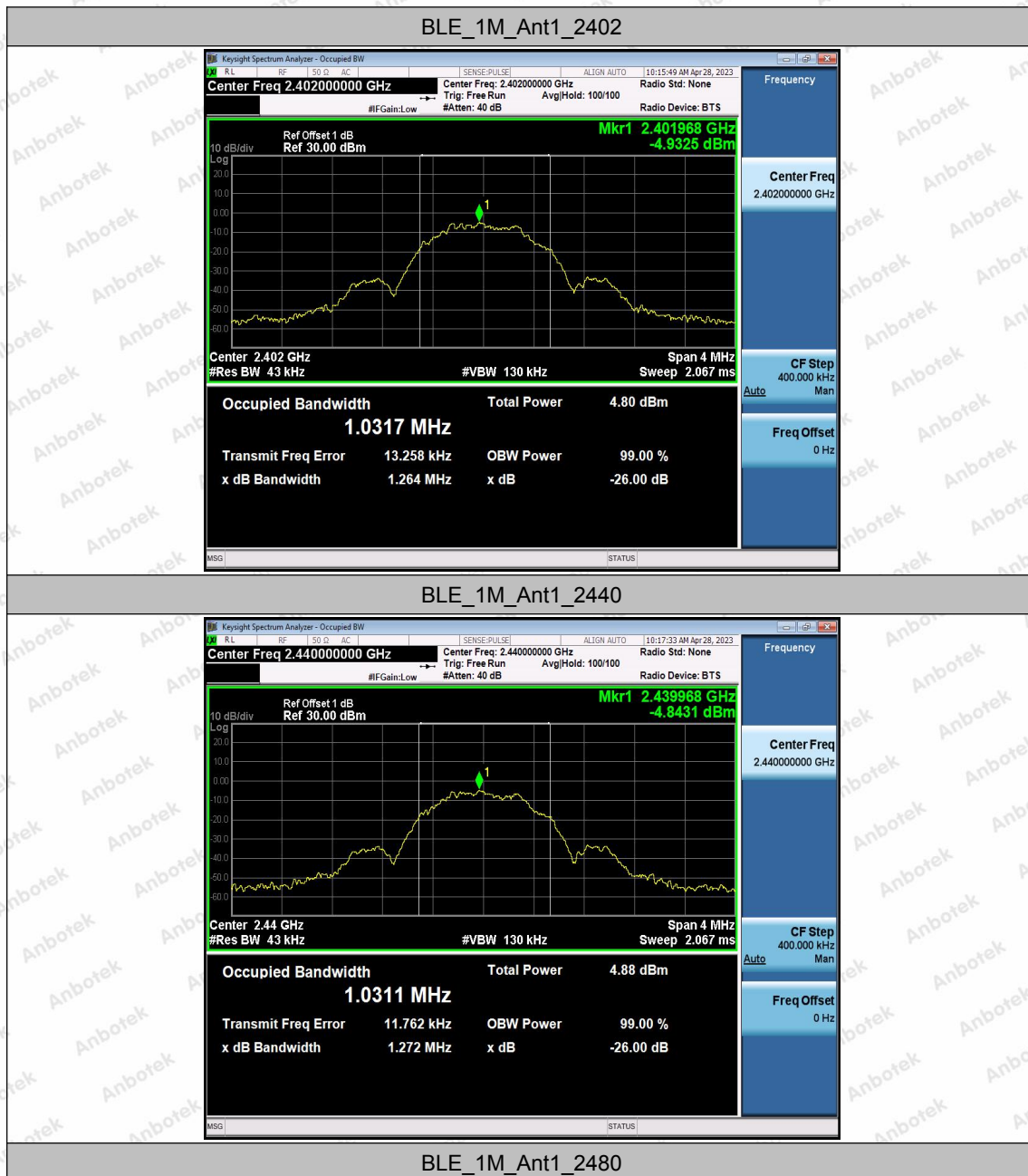
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0317	2401.4974	2402.5291
		2440	1.0311	2439.4962	2440.5273
		2480	1.0306	2479.4965	2480.5271



Test Graphs



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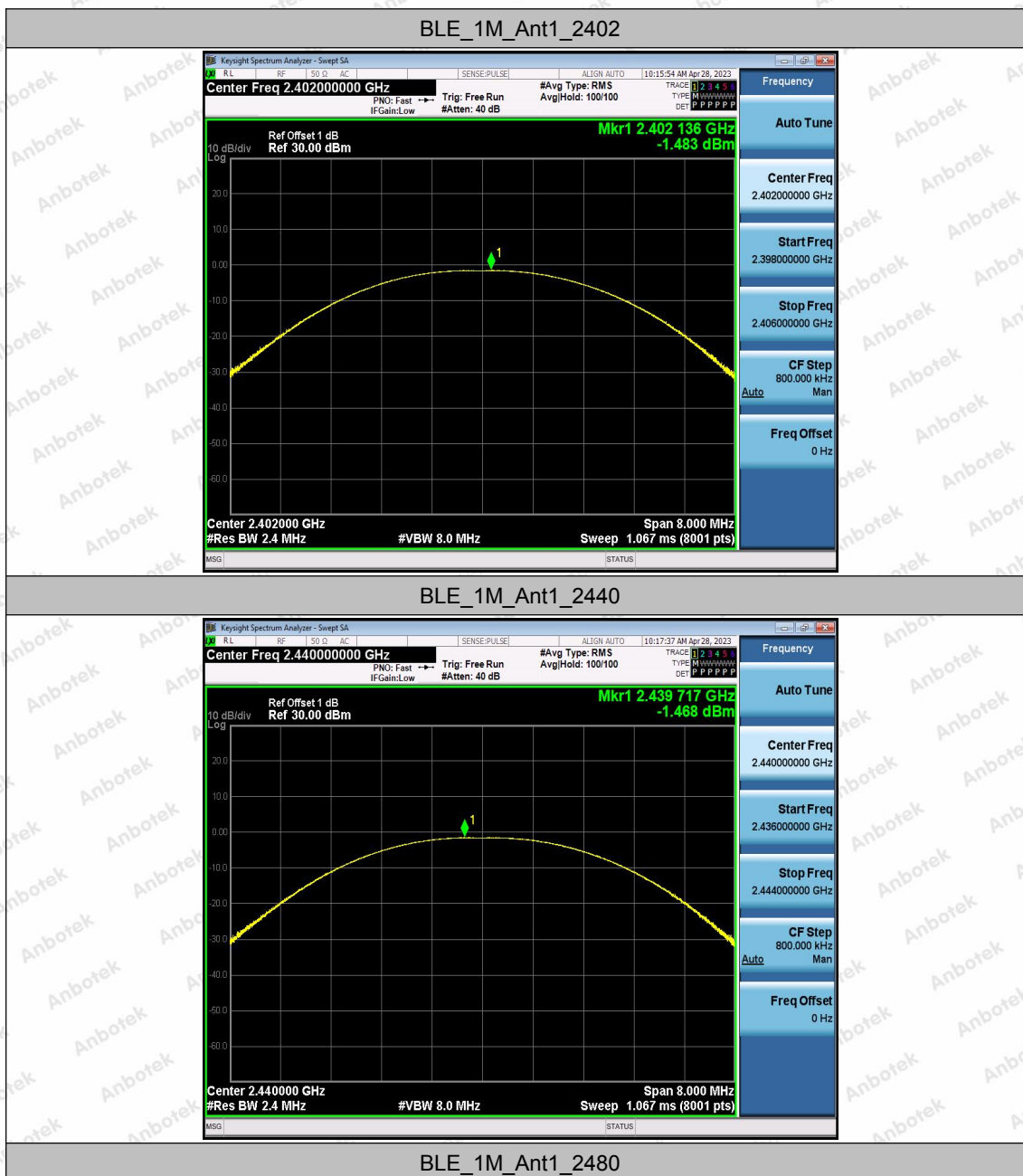
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.48	≤30	PASS
		2440	-1.47	≤30	PASS
		2480	-2.79	≤30	PASS



Test Graphs Peak



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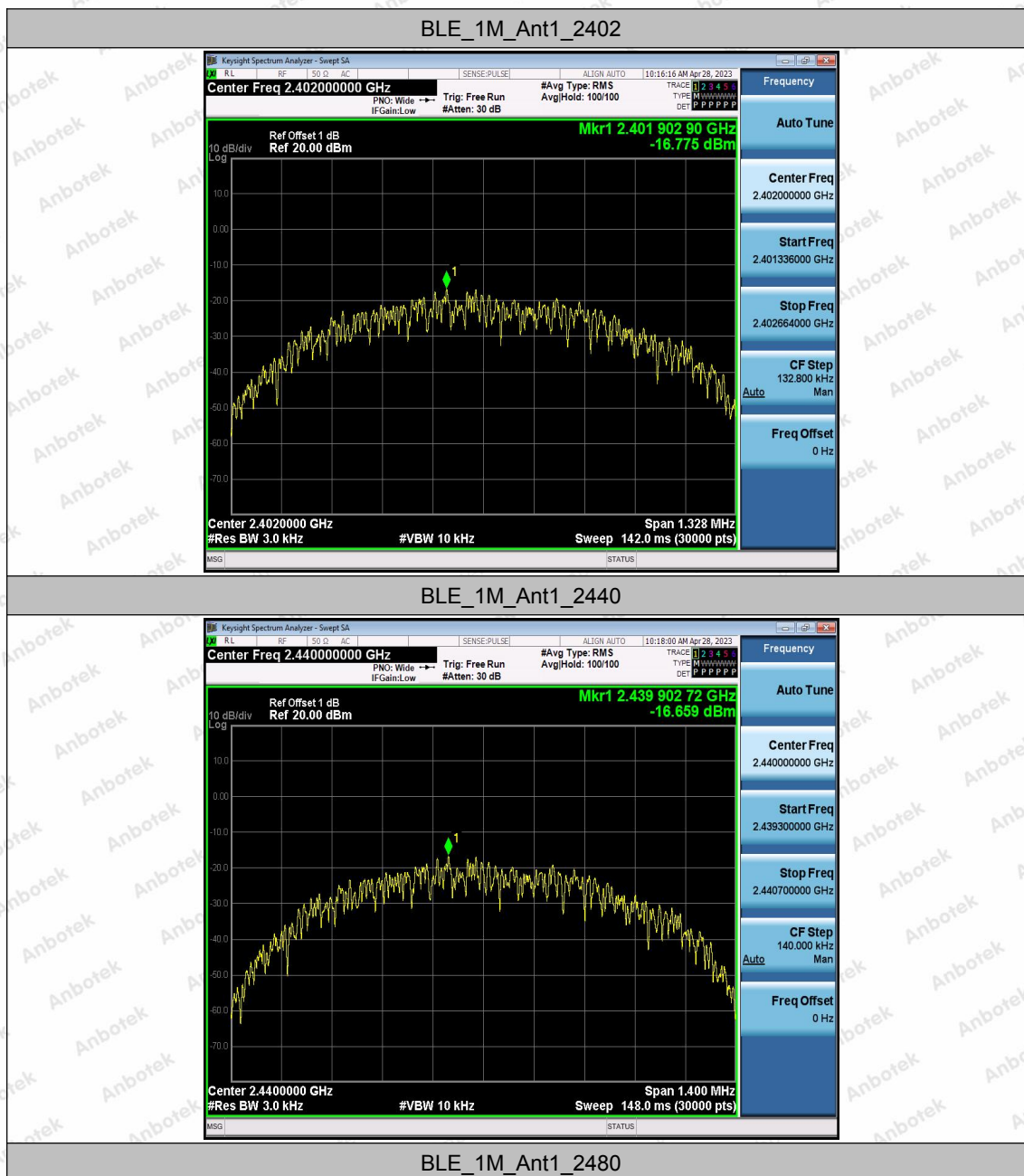
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.78	≤8.00	PASS
		2440	-16.66	≤8.00	PASS
		2480	-18.06	≤8.00	PASS



Test Graphs



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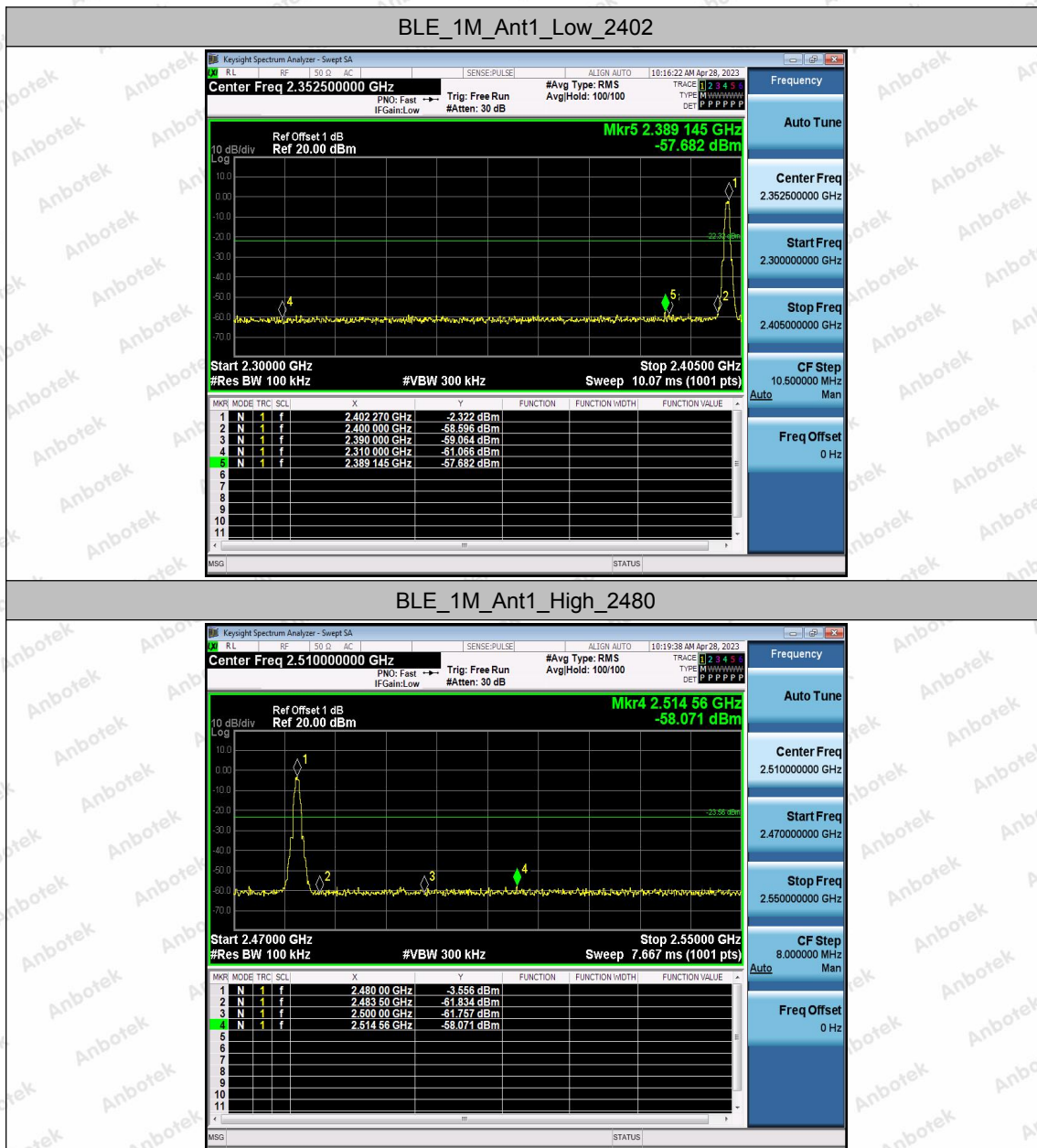
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.32	-57.68	≤-22.32	PASS
		High	2480	-3.56	-58.07	≤-23.56	PASS



Test Graphs



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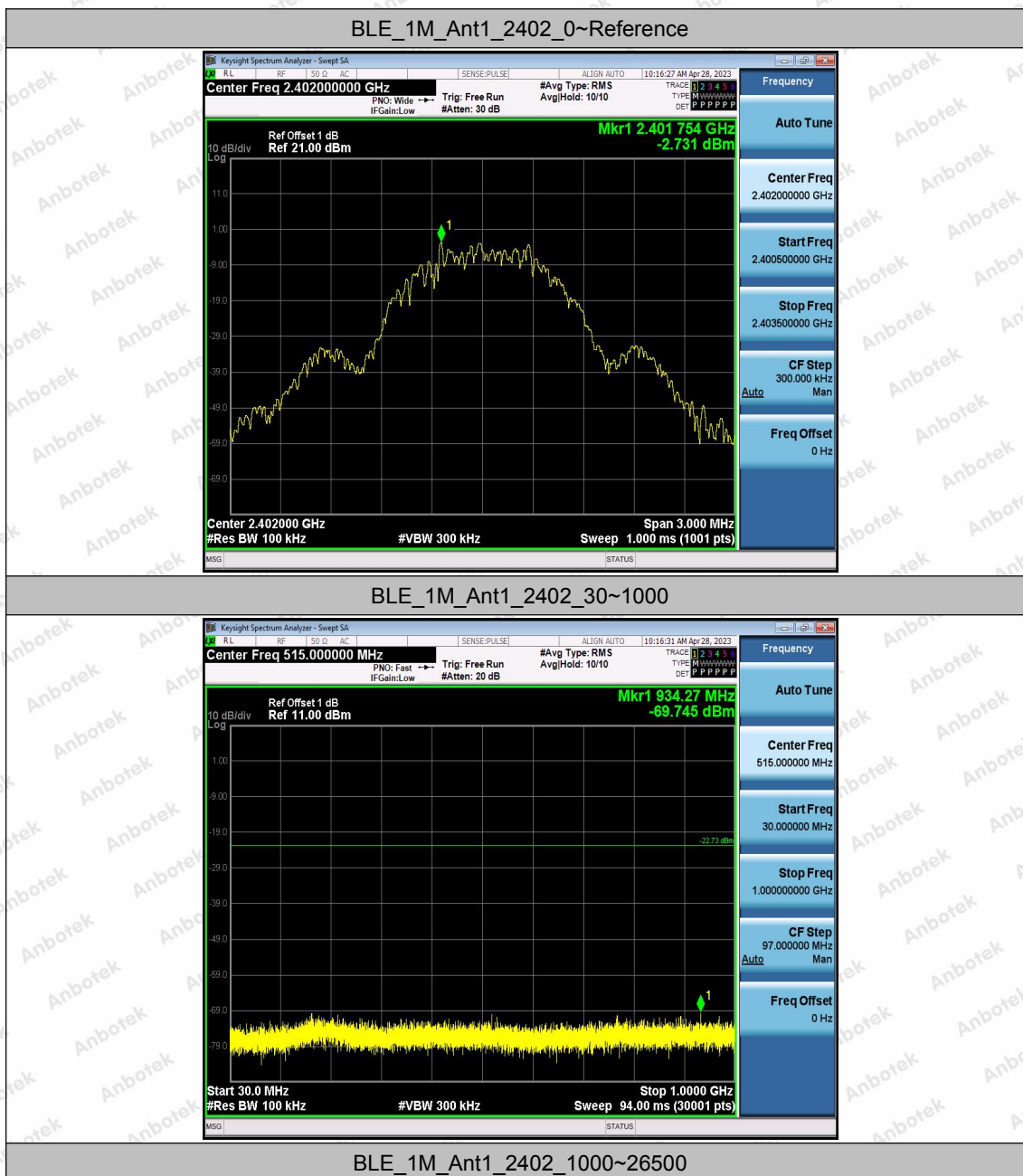
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-69.75	≤-22.73	PASS
			1000~26500	-2.73	-53.94	≤-22.73	PASS
		2440	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-69.18	≤-22.71	PASS
			1000~26500	-2.71	-53.29	≤-22.71	PASS
		2480	Reference	-3.78	-3.78	---	PASS
			30~1000	-3.78	-68.84	≤-23.78	PASS
			1000~26500	-3.78	-54.19	≤-23.78	PASS



Test Graphs



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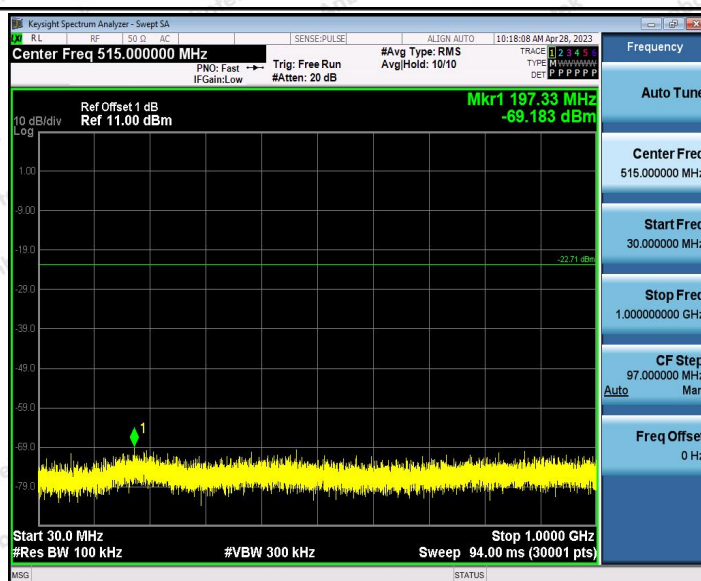


BLE_1M_Ant1_2440_0~Reference

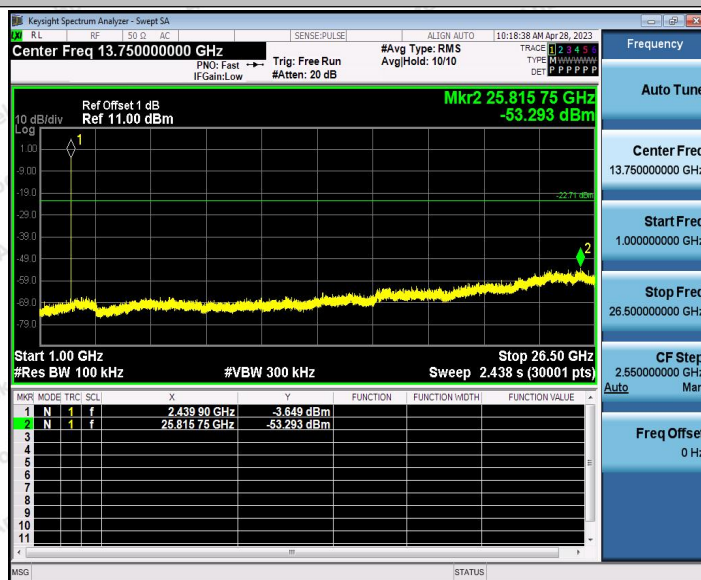


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference





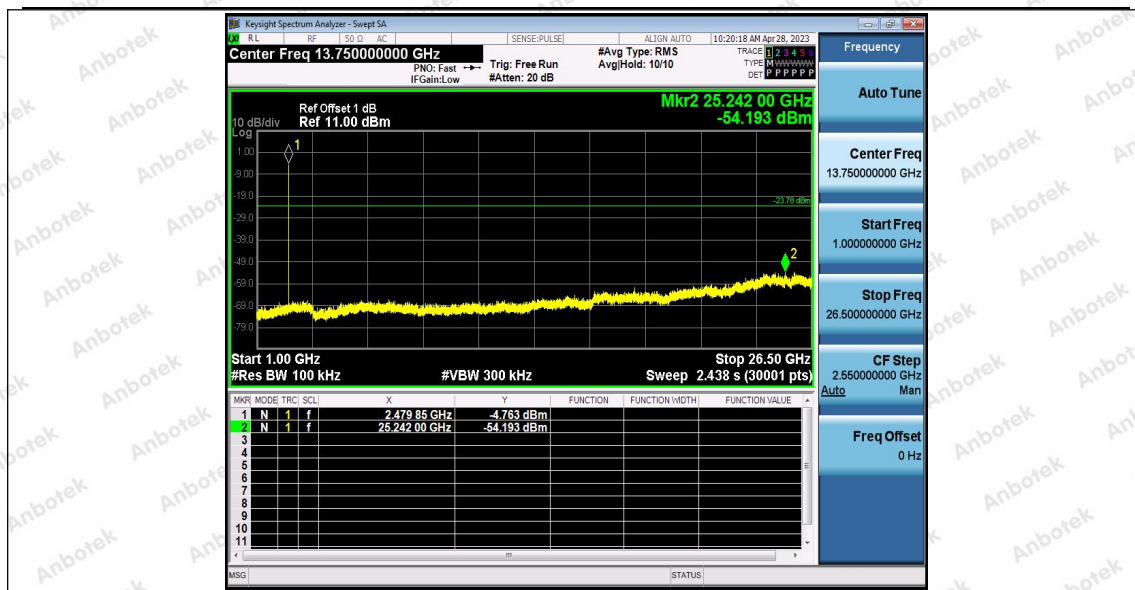
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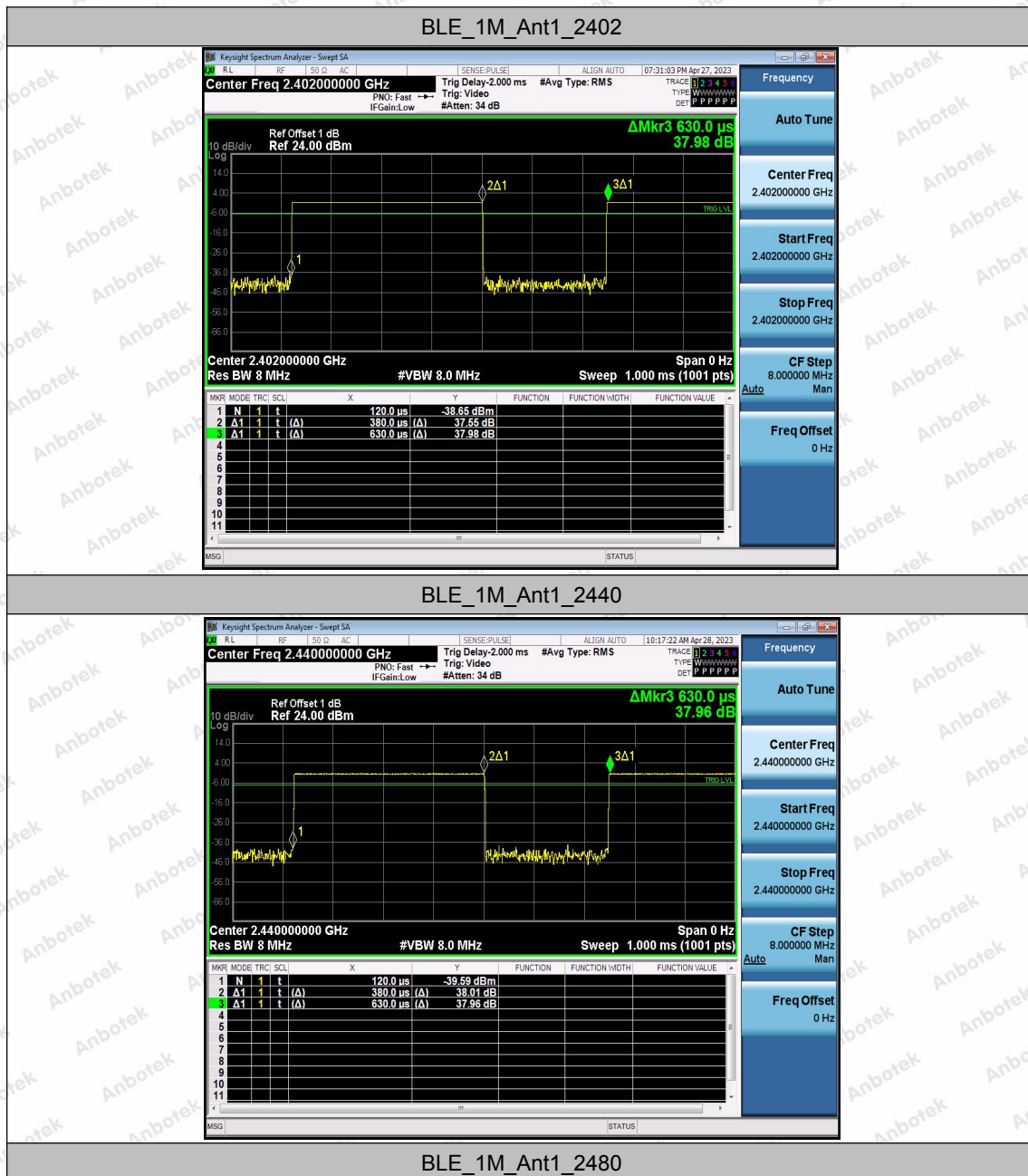
Appendix G: Duty Cycle

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



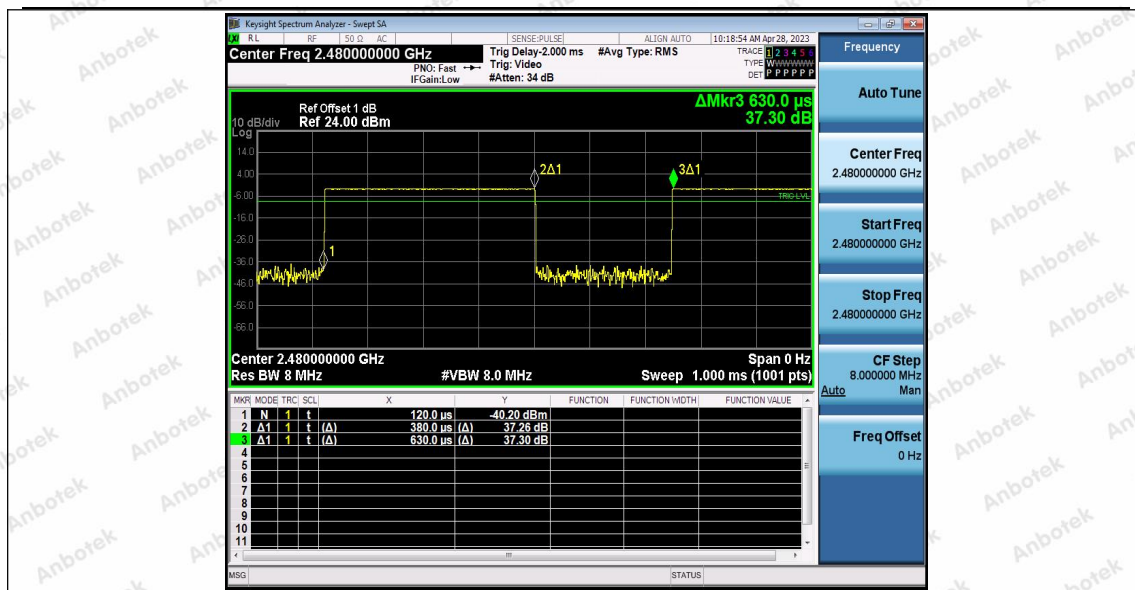
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