

Appendix Test Data

Report No.:	18220WC30179402	Test Sample No.:	1-2-2
Start Test Date:	2023.08.24	Finish Test Date:	2023.08.26
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.8°C	Relative Humidity:	48%
Pressure:	102kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.640	2402.284	0.5	PASS
		2440	0.668	2439.616	2440.284	0.5	PASS
		2480	0.644	2479.632	2480.276	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

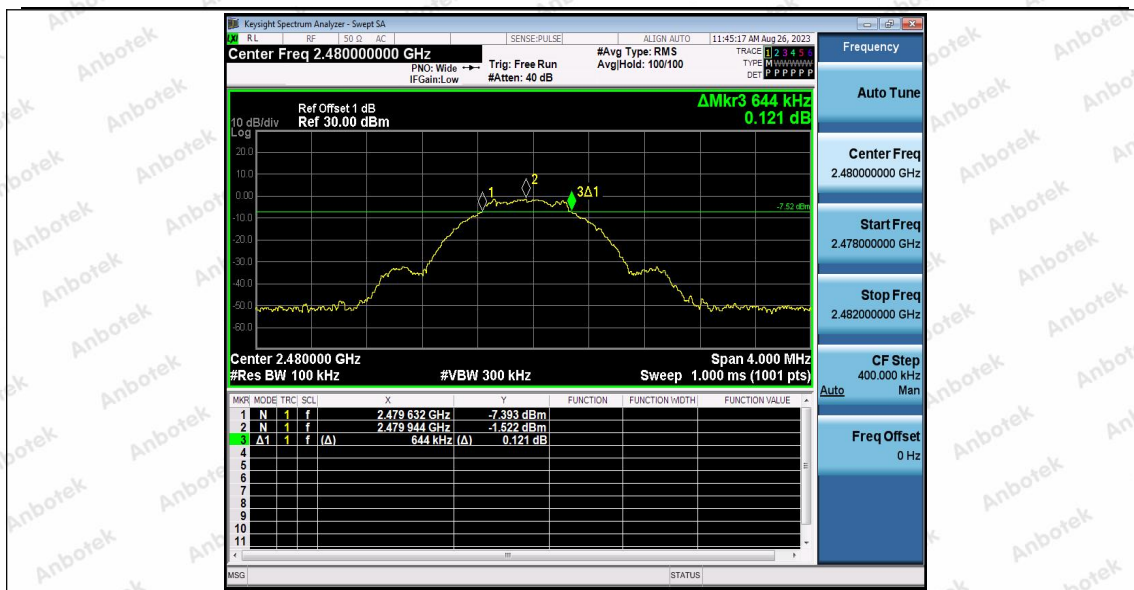
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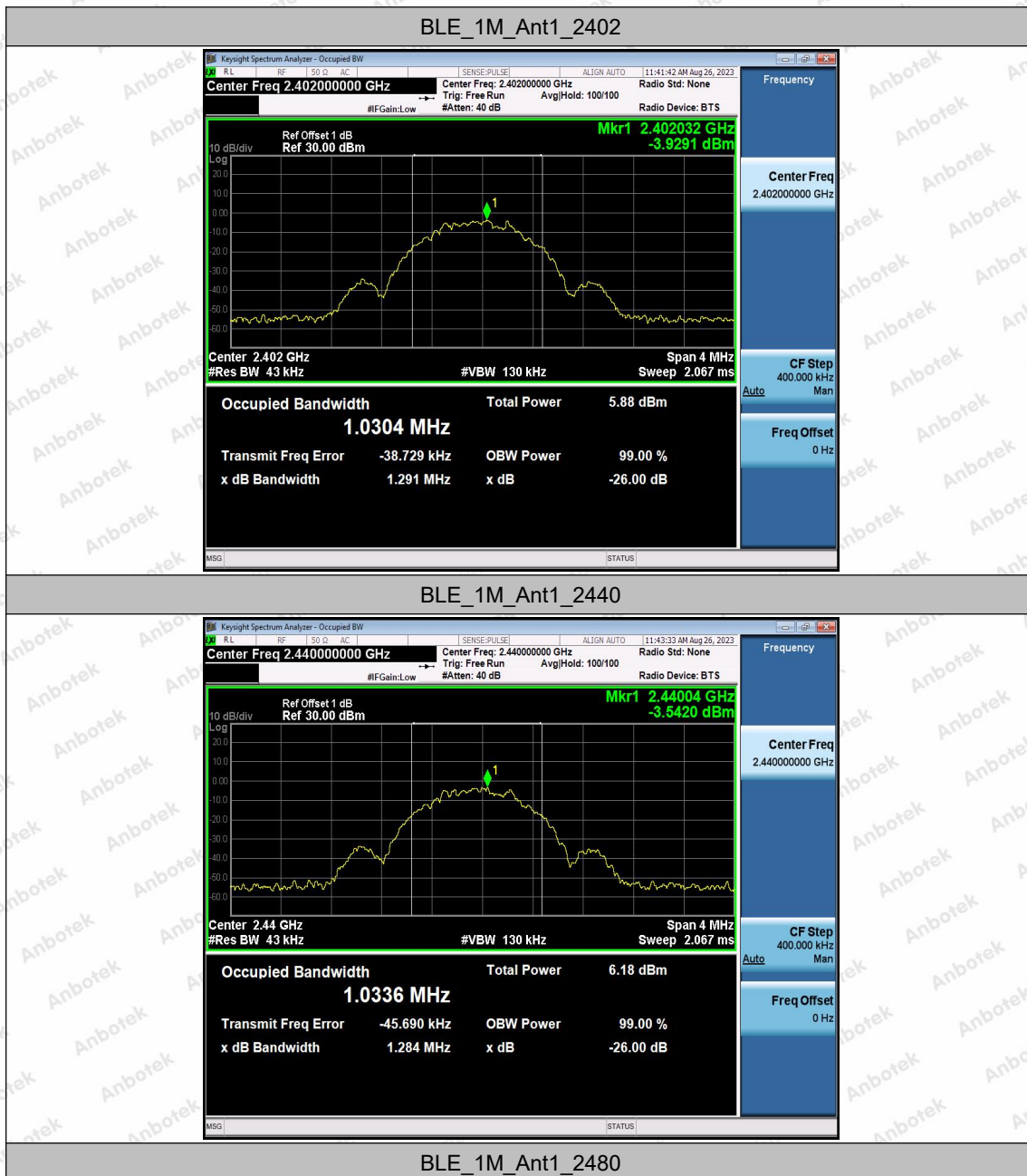
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0304	2401.4461	2402.4765
		2440	1.0336	2439.4375	2440.4711
		2480	1.0297	2479.4388	2480.4685



Test Graphs



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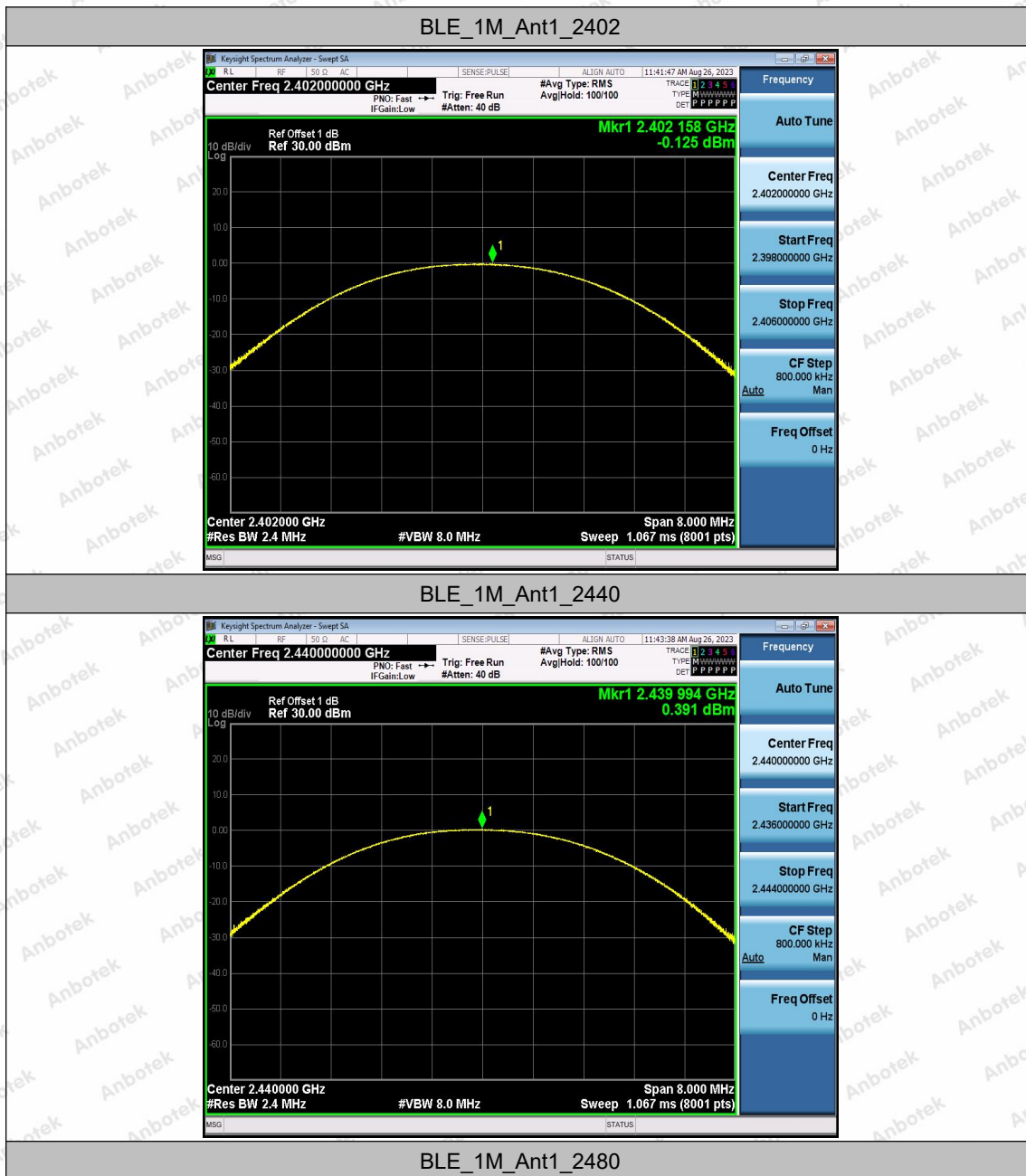
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.13	≤30	PASS
		2440	0.39	≤30	PASS
		2480	0.15	≤30	PASS



Test Graphs Peak



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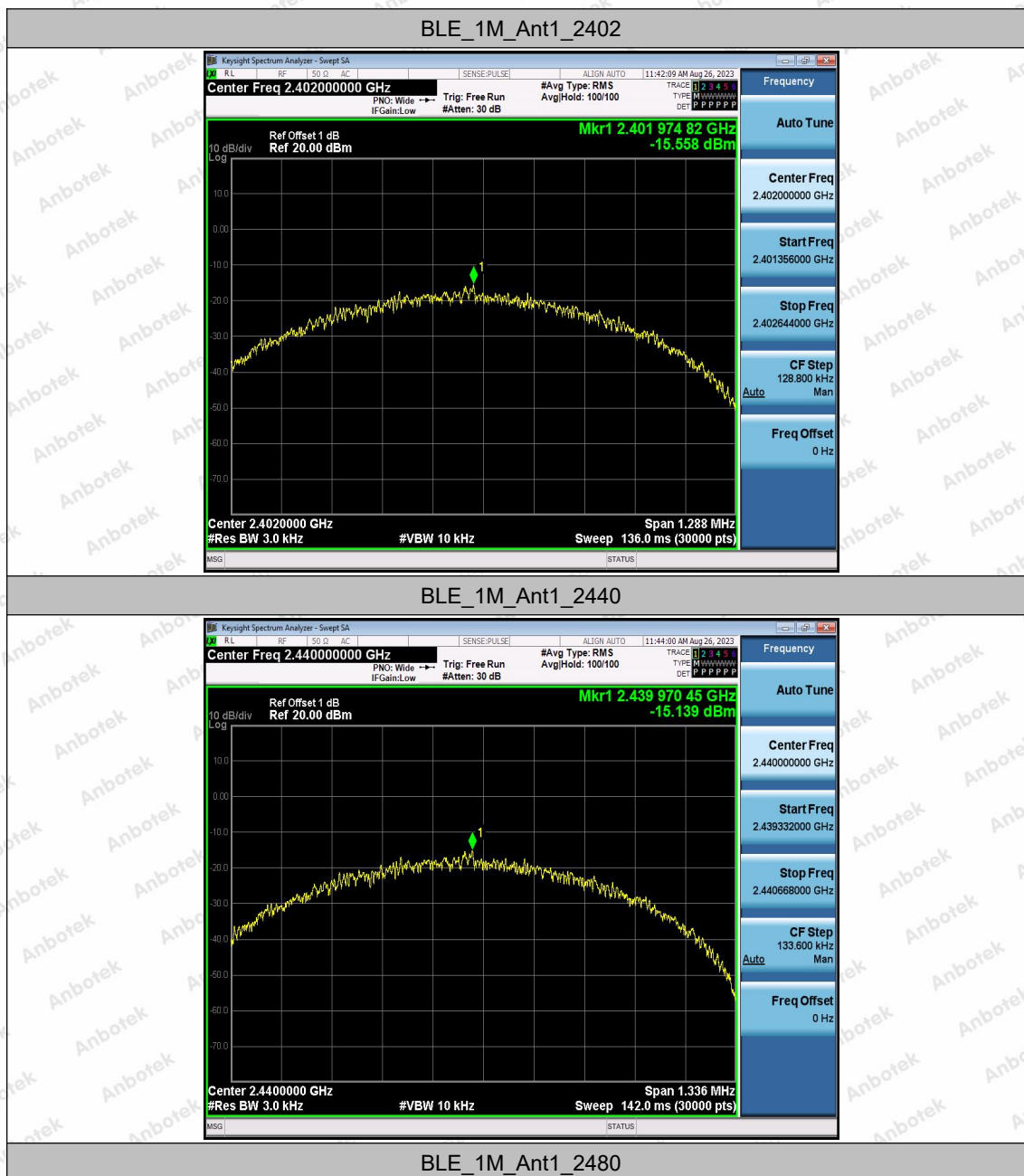
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.56	≤8.00	PASS
		2440	-15.14	≤8.00	PASS
		2480	-15.21	≤8.00	PASS



Test Graphs



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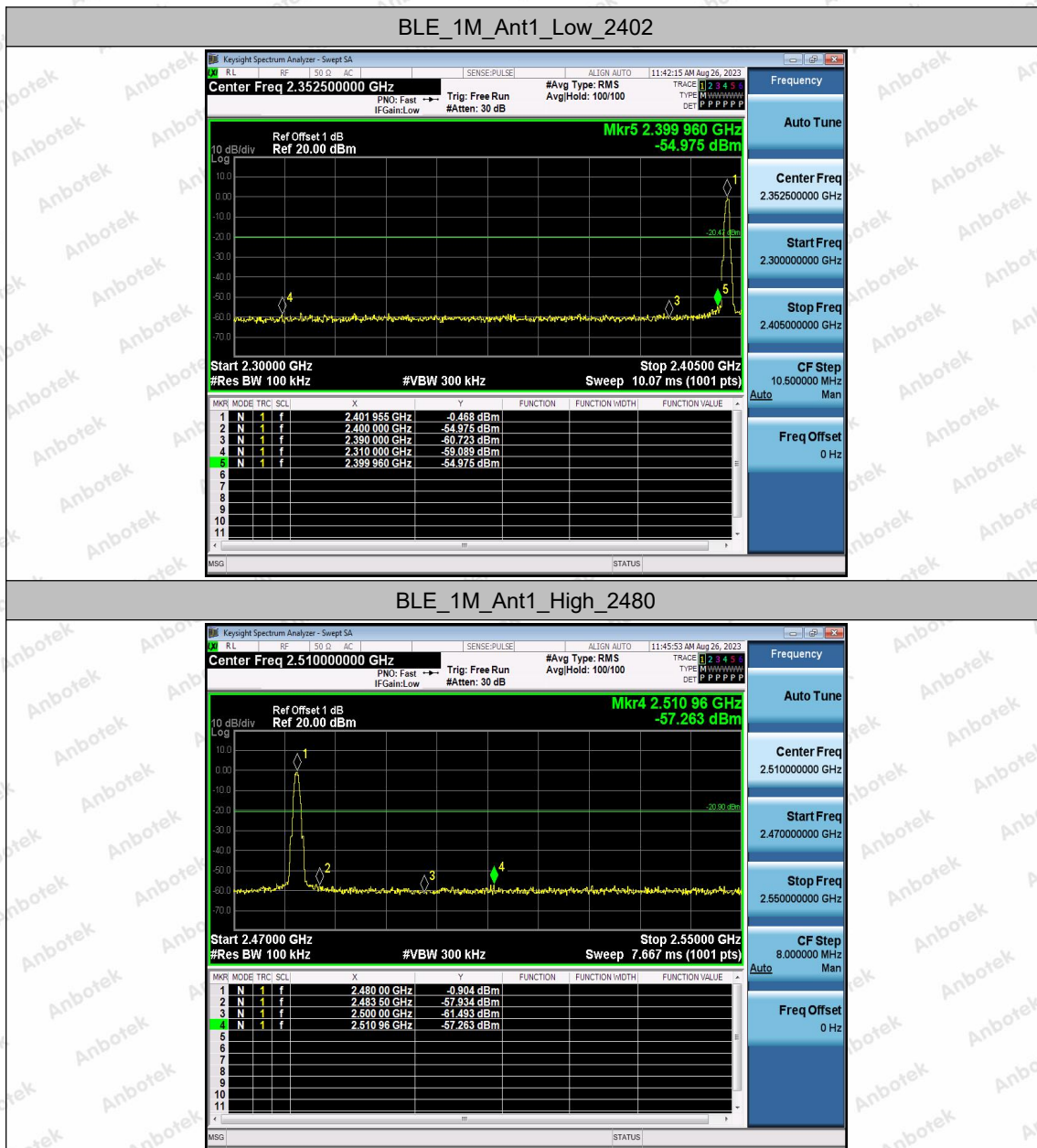
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.47	-54.98	≤-20.47	PASS
		High	2480	-0.90	-57.26	≤-20.9	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	-1.98	-1.98	---	PASS
			30~1000	-1.98	-68.63	≤-21.98	PASS
			1000~26500	-1.98	-53.61	≤-21.98	PASS
		2440	Reference	-1.84	-1.84	---	PASS
			30~1000	-1.84	-68.47	≤-21.84	PASS
			1000~26500	-1.84	-53.85	≤-21.84	PASS
		2480	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-69.15	≤-20.19	PASS
			1000~26500	-0.19	-53.82	≤-20.19	PASS

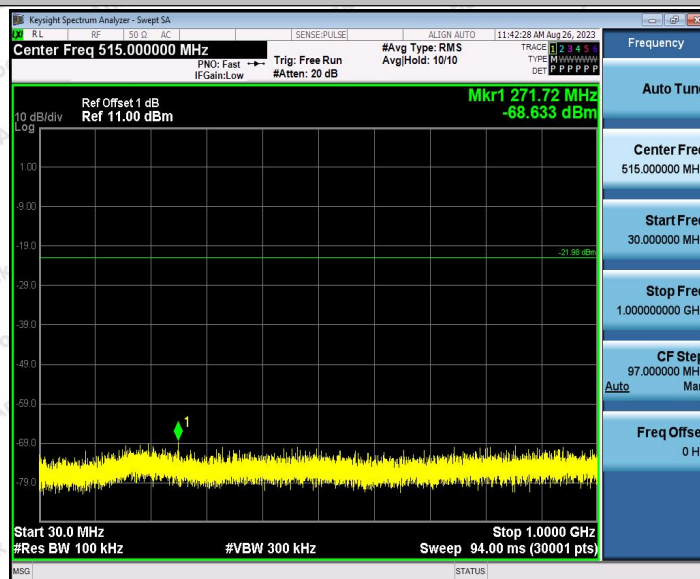


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

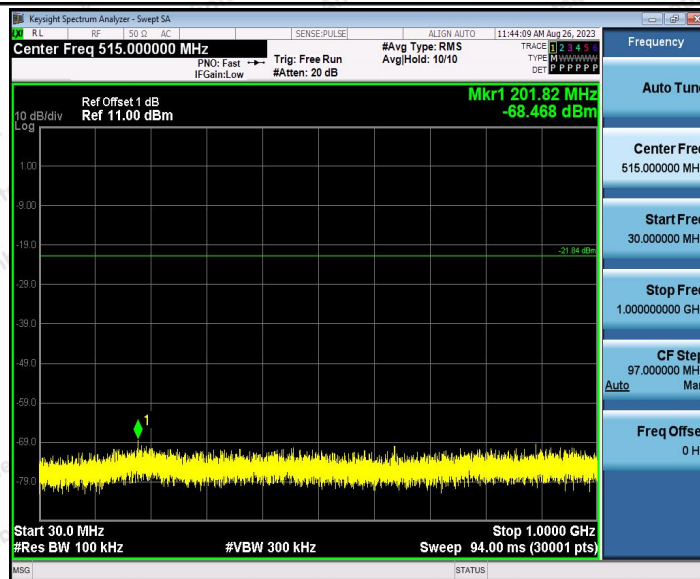
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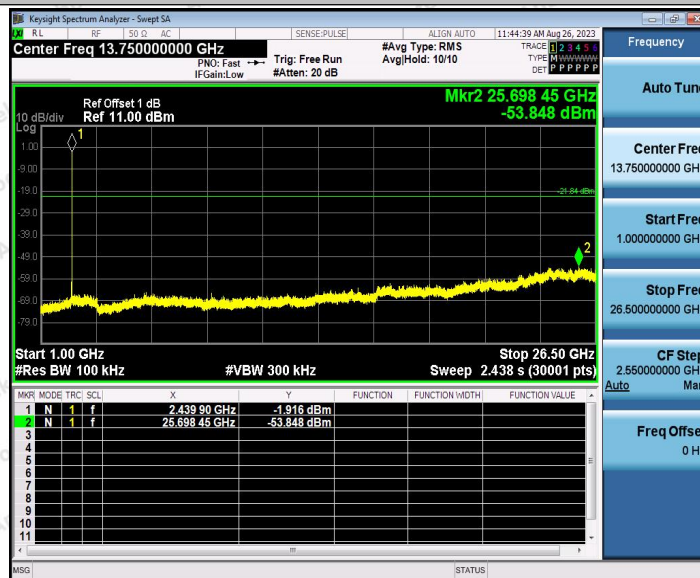


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

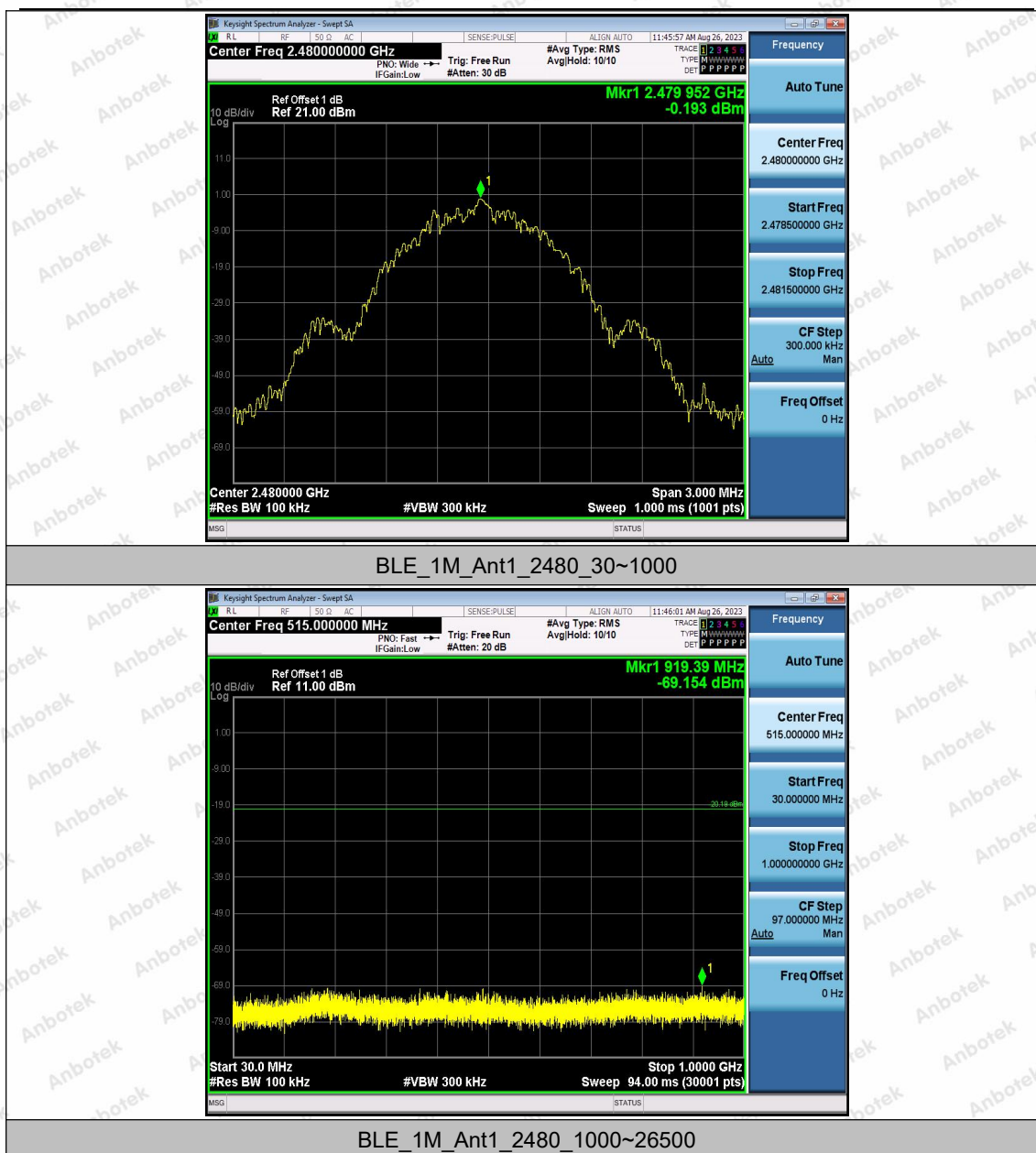
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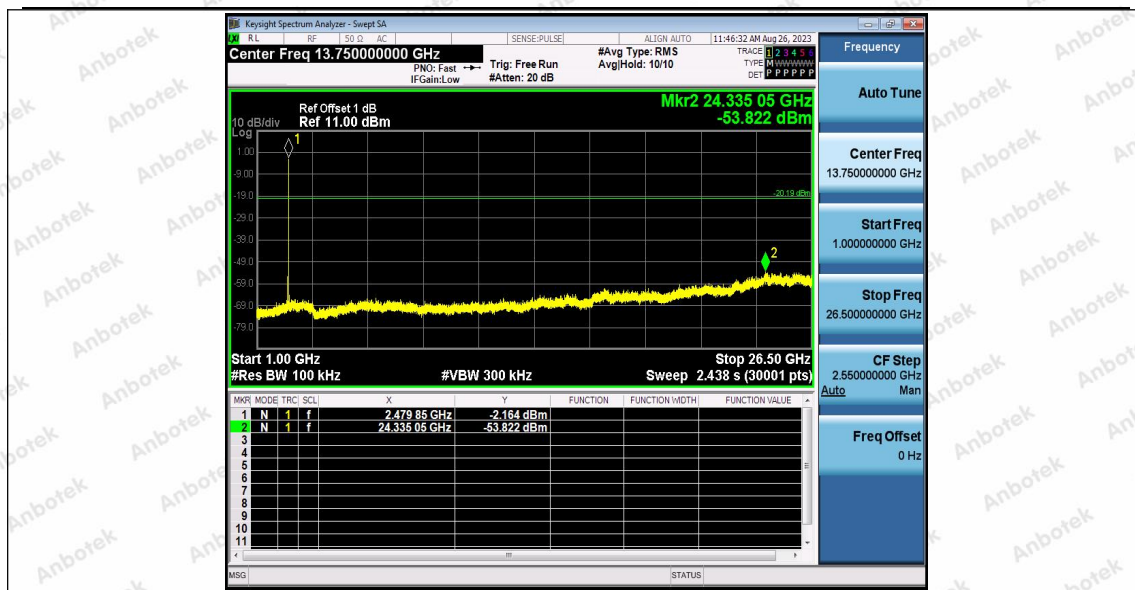
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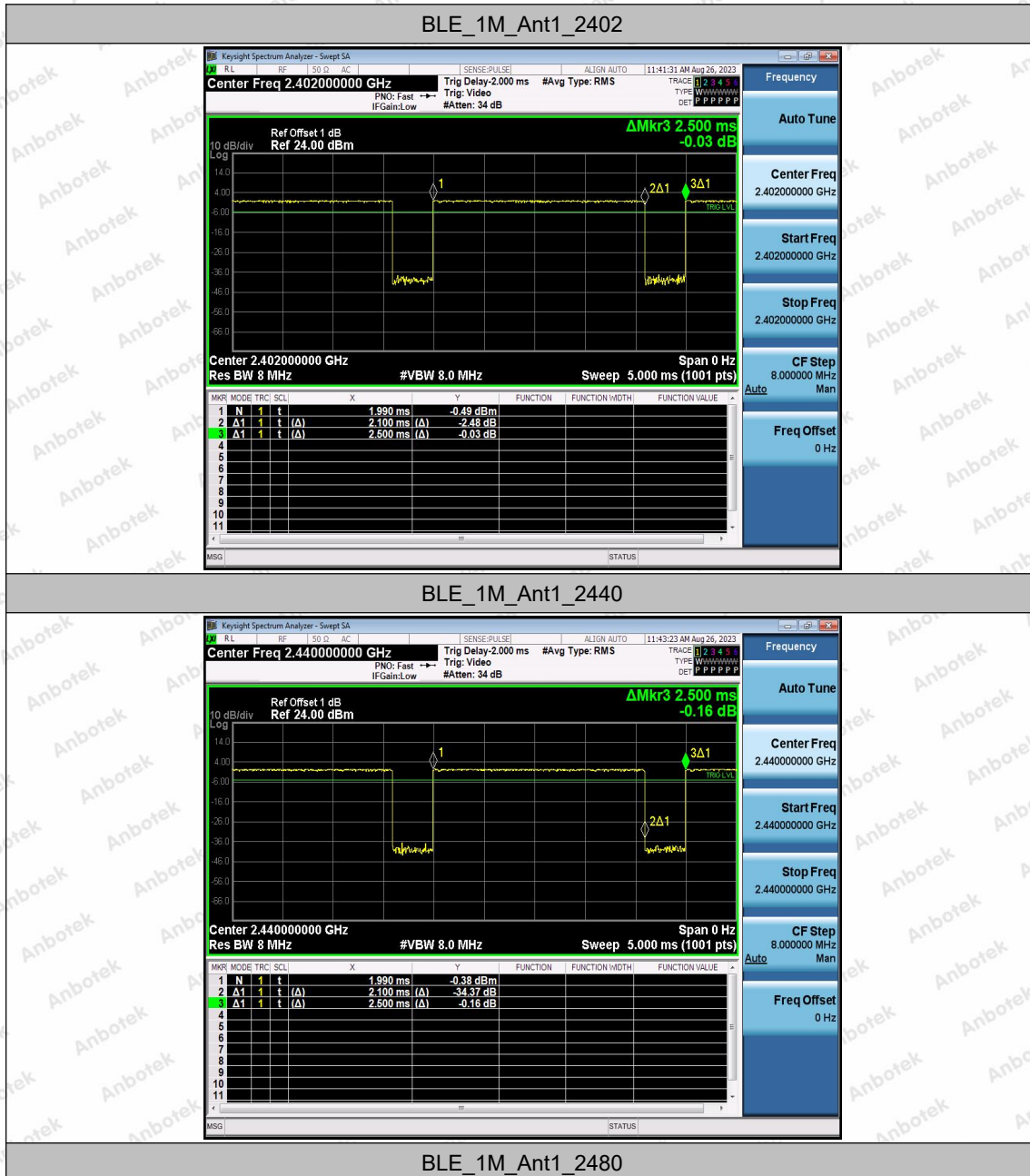
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	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



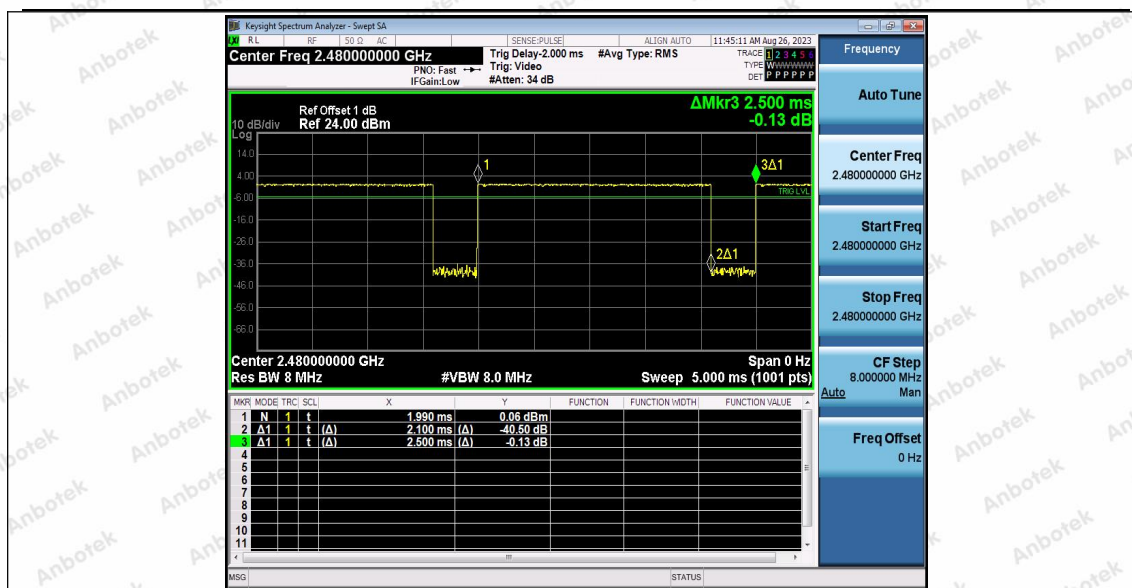
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