

Appendix Test Data

Report No.:	18220WC30266901	Test Sample No.:	1-2-2
Start Test Date:	2023.12.23	Finish Test Date:	2023.12.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	45%
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	0.684	2401.652	2402.336	0.5	PASS
		2440	0.696	2439.648	2440.344	0.5	PASS
		2480	0.680	2479.656	2480.336	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	1.0299	2401.4994	2402.5293
		2440	1.0287	2439.4972	2440.5259
		2480	1.0274	2479.4987	2480.5261

Test Graphs



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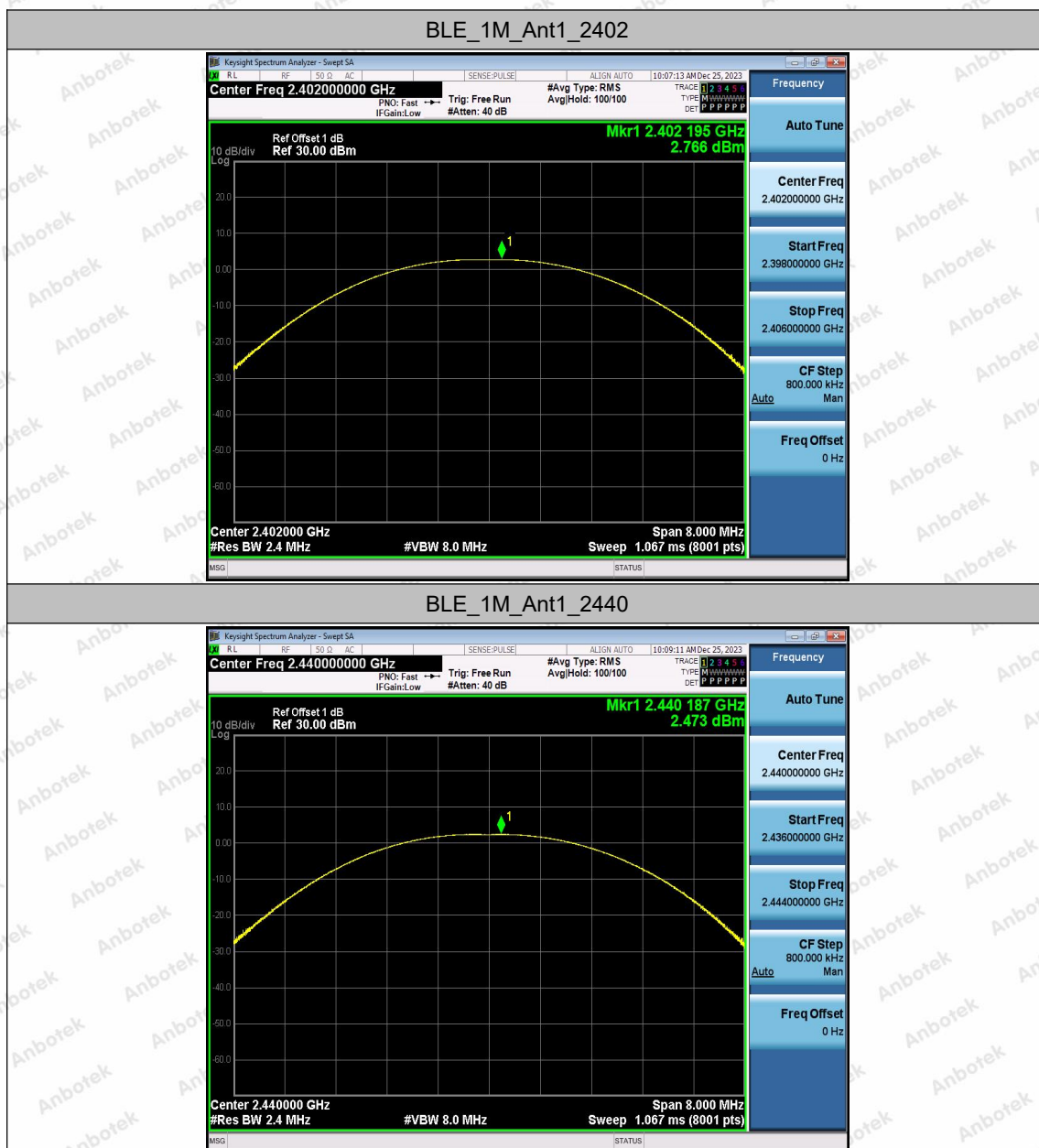


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.77	≤30	PASS
		2440	2.47	≤30	PASS
		2480	1.74	≤30	PASS

Test Graphs Peak



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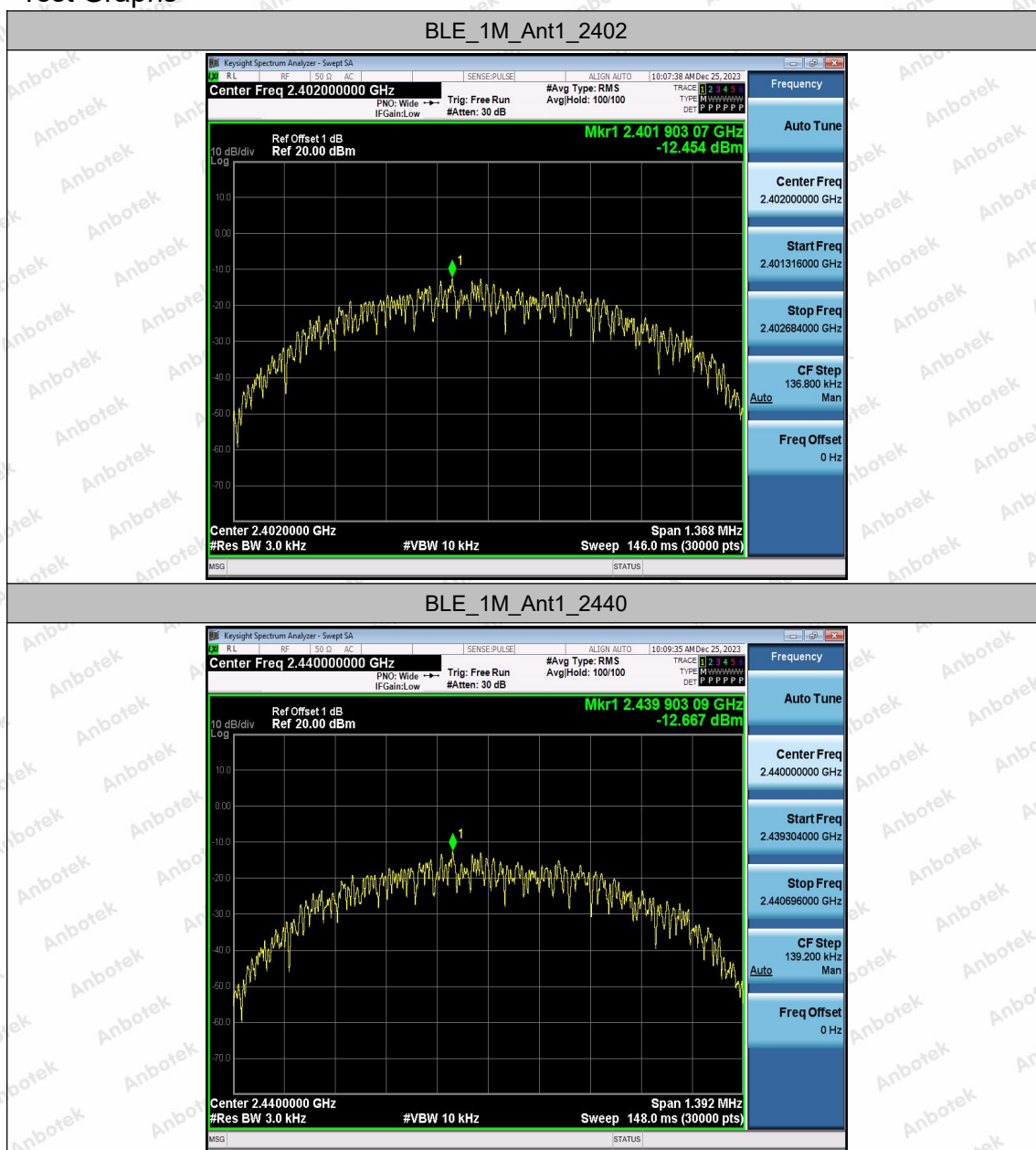


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.45	≤8.00	PASS
		2440	-12.67	≤8.00	PASS
		2480	-13.37	≤8.00	PASS

Test Graphs



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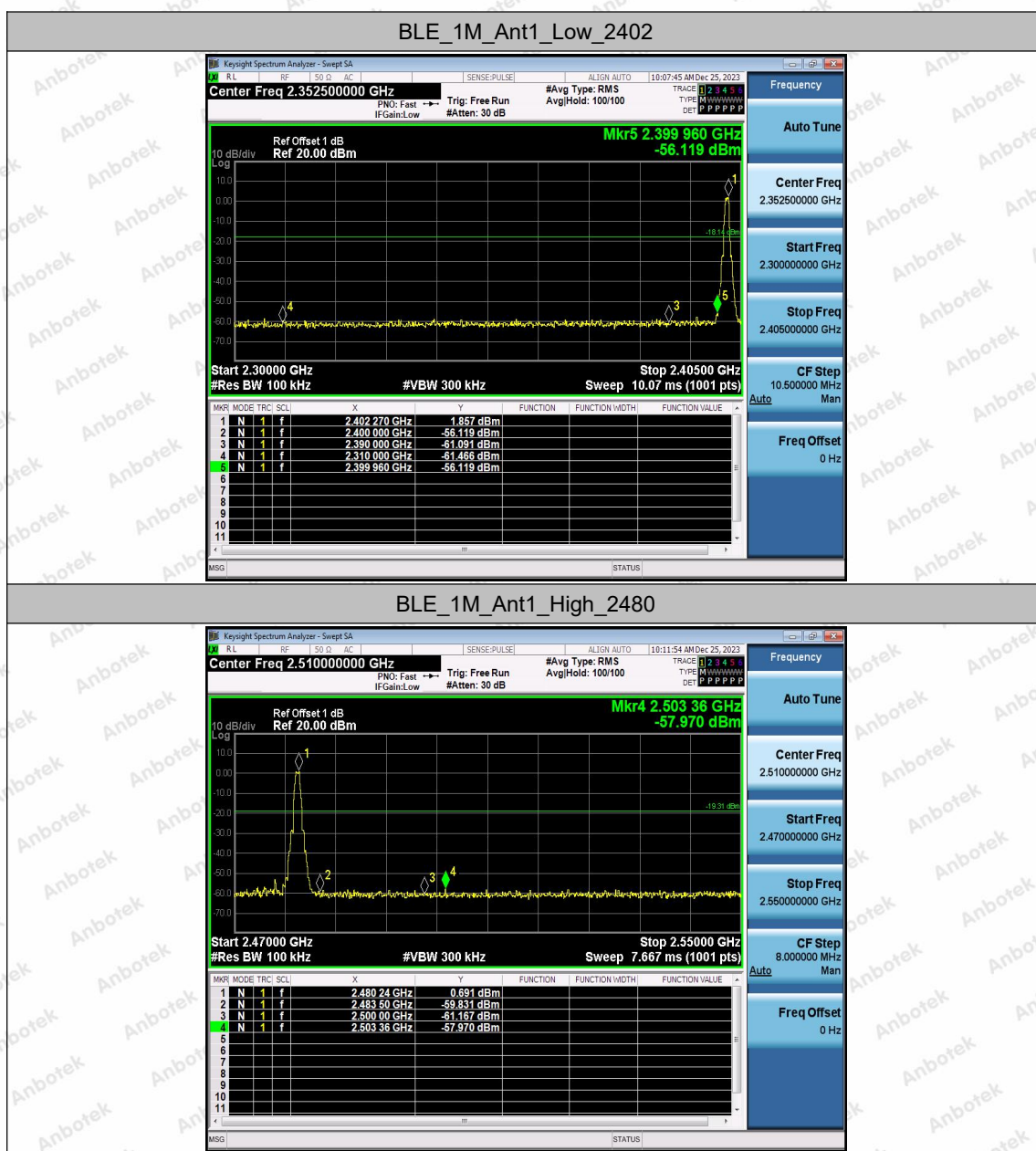


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.86	-56.12	≤-18.14	PASS
		High	2480	0.69	-57.97	≤-19.31	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	1.21	1.21	---	PASS
			30~1000	1.21	-68.37	≤-18.79	PASS
			1000~26500	1.21	-53.98	≤-18.79	PASS
		2440	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-68.3	≤-19.4	PASS
			1000~26500	0.60	-53.92	≤-19.4	PASS
		2480	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-67.95	≤-19.38	PASS
			1000~26500	0.62	-53.55	≤-19.38	PASS

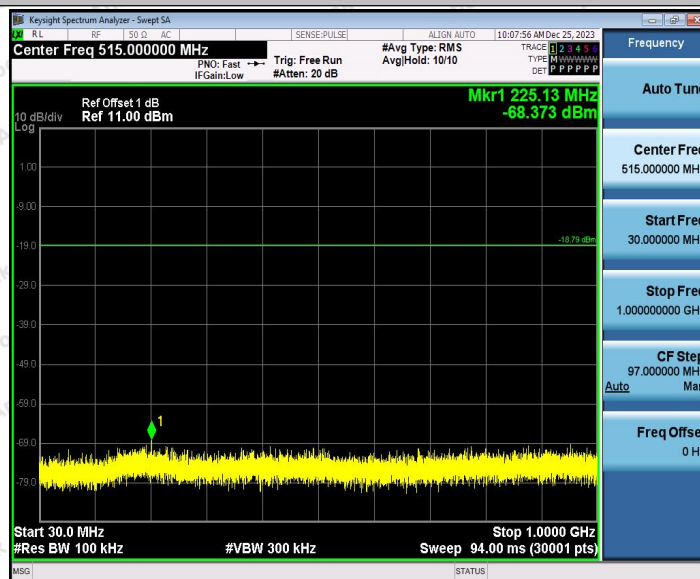


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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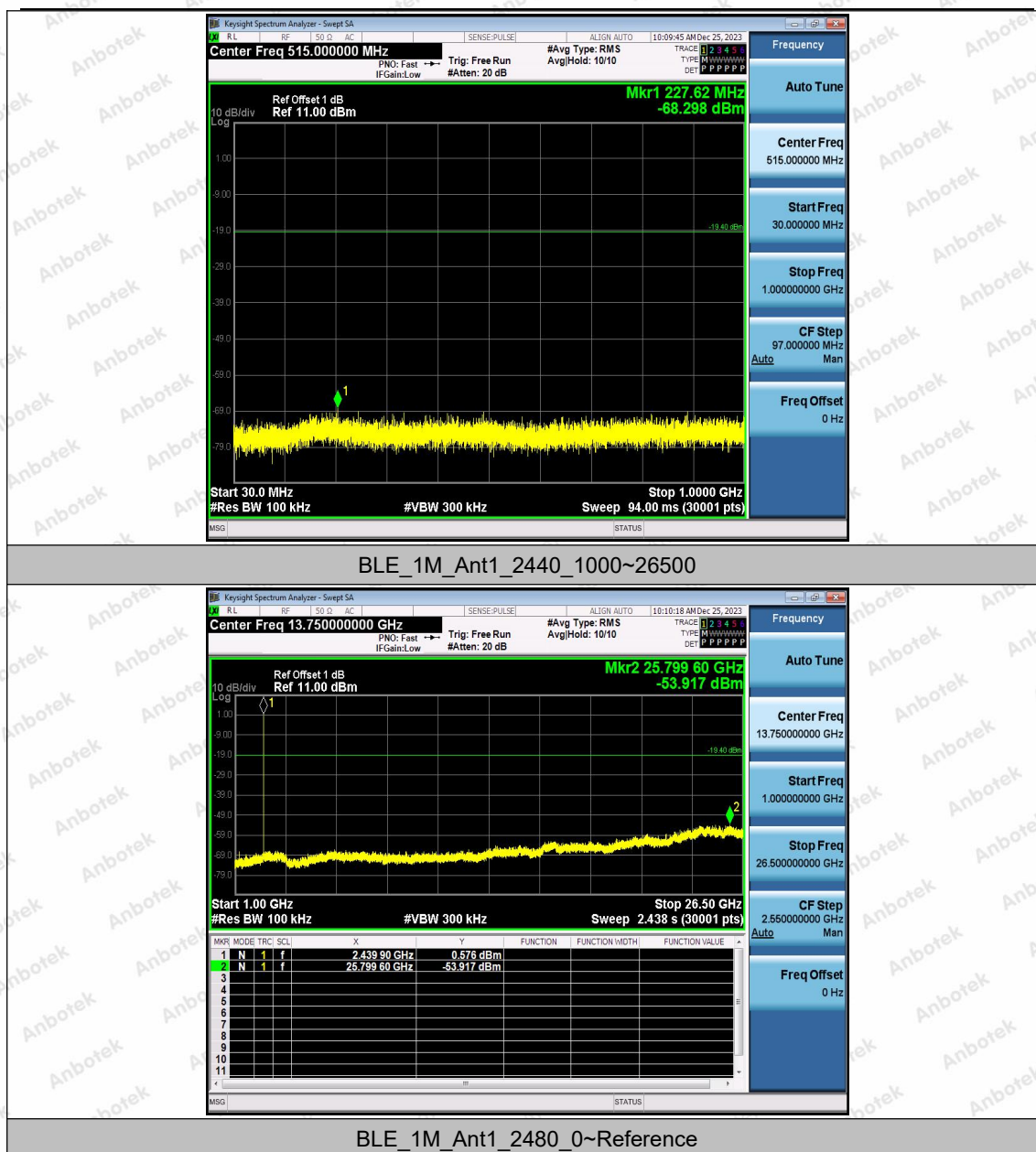
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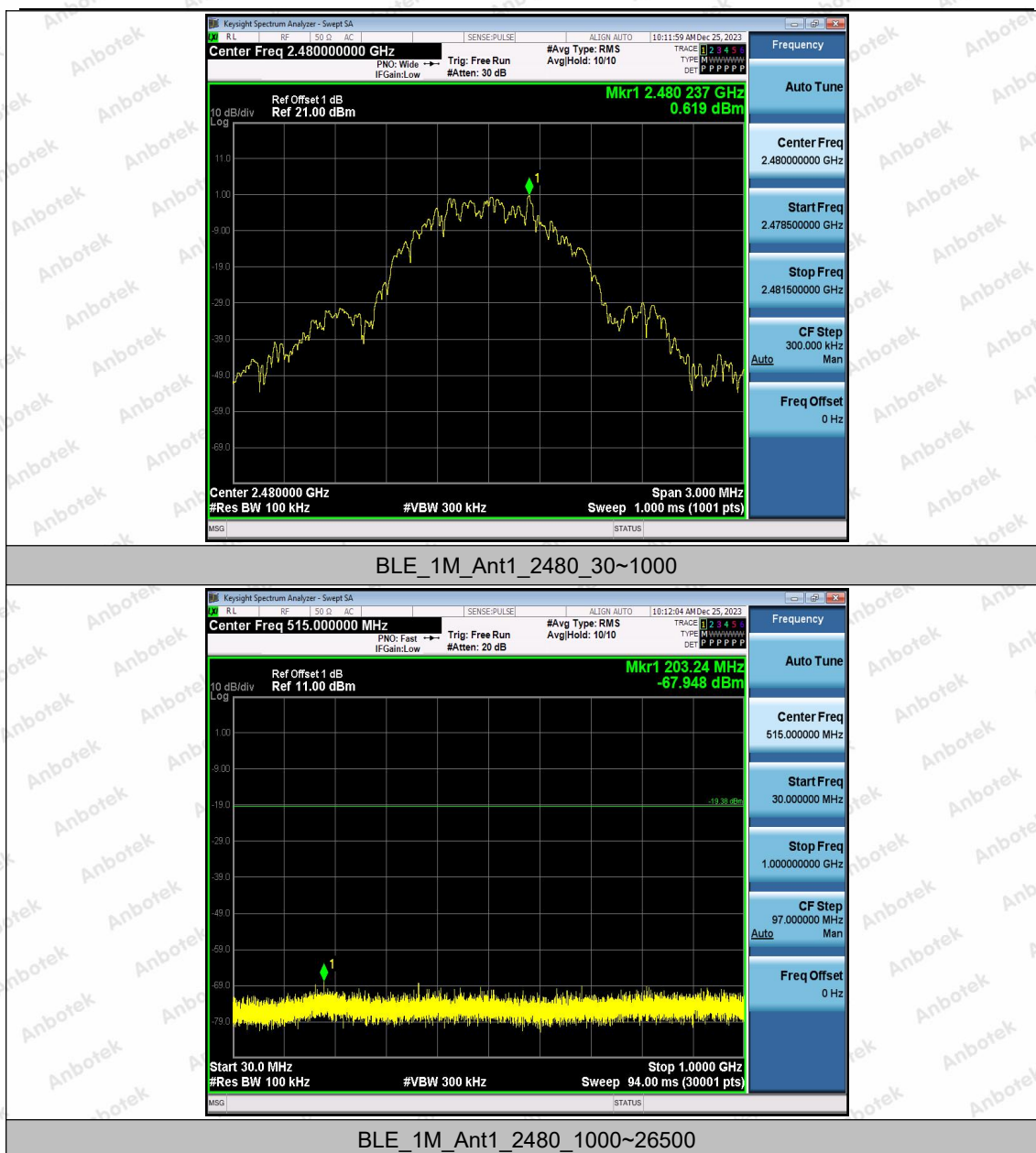
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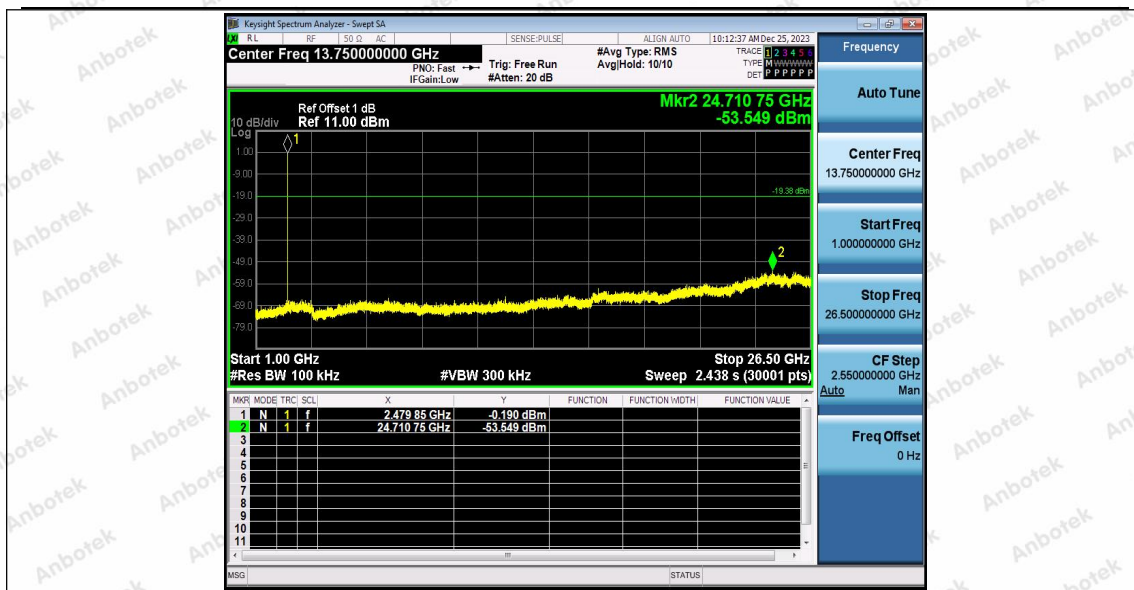
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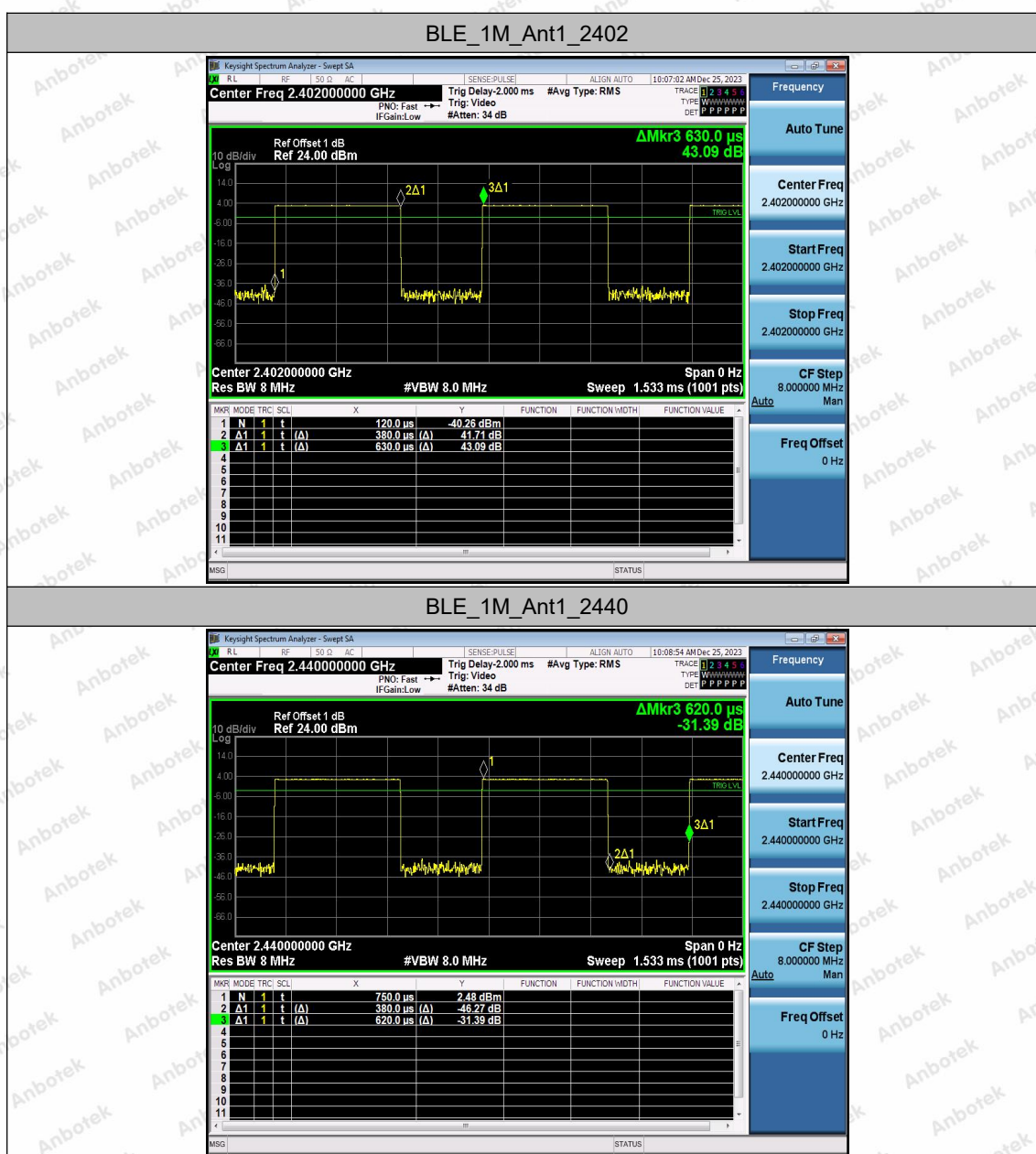


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.62	61.29	2.13
		2480	0.38	0.62	61.29	2.13

Test Graphs



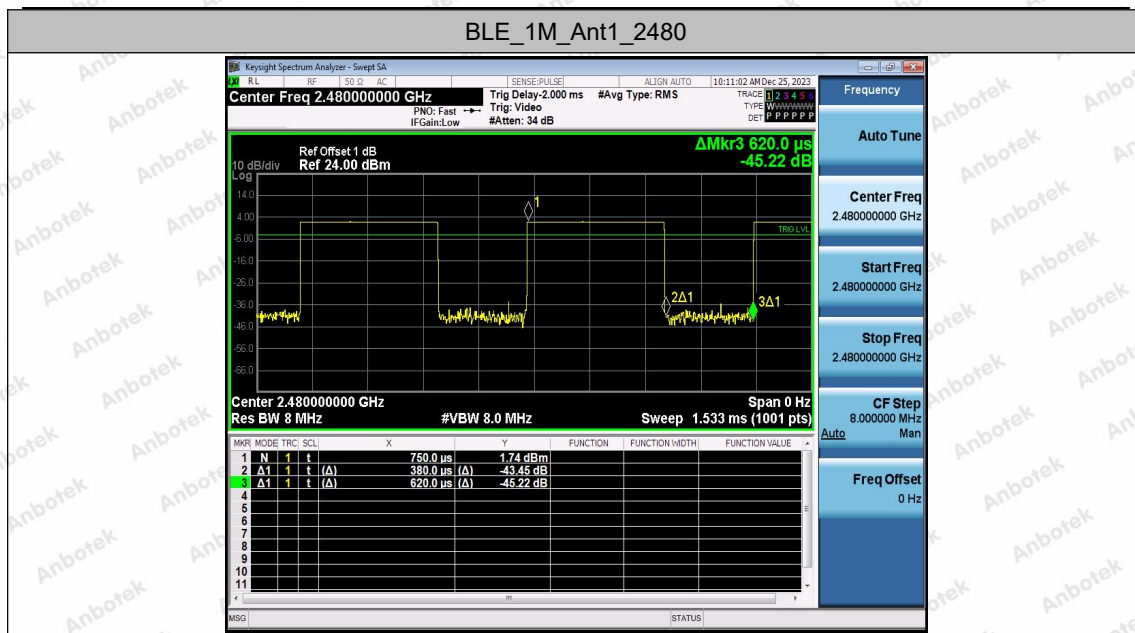
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