

Appendix Test Data

Report No.:	18220WC30101201	Test Sample No.:	1-2-2
Start Test Date:	2023.05.26	Finish Test Date:	2023.05.30
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.3°C	Relative Humidity:	46%
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	0.696	2401.680	2402.376	0.5	PASS
		2440	0.692	2439.680	2440.372	0.5	PASS
		2480	0.668	2479.700	2480.368	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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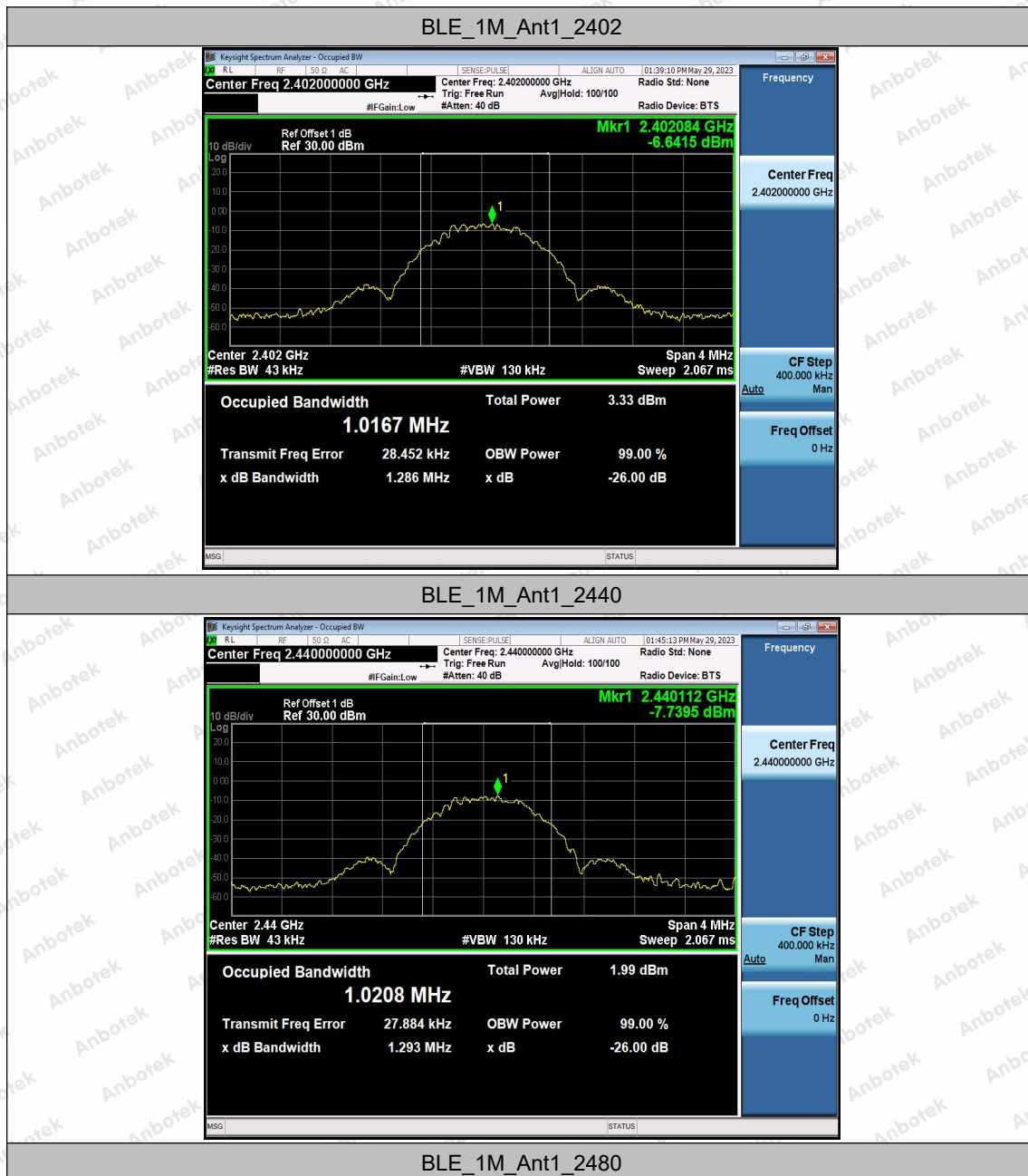
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0167	2401.5201	2402.5368
		2440	1.0208	2439.5175	2440.5383
		2480	1.0210	2479.5167	2480.5377



Test Graphs



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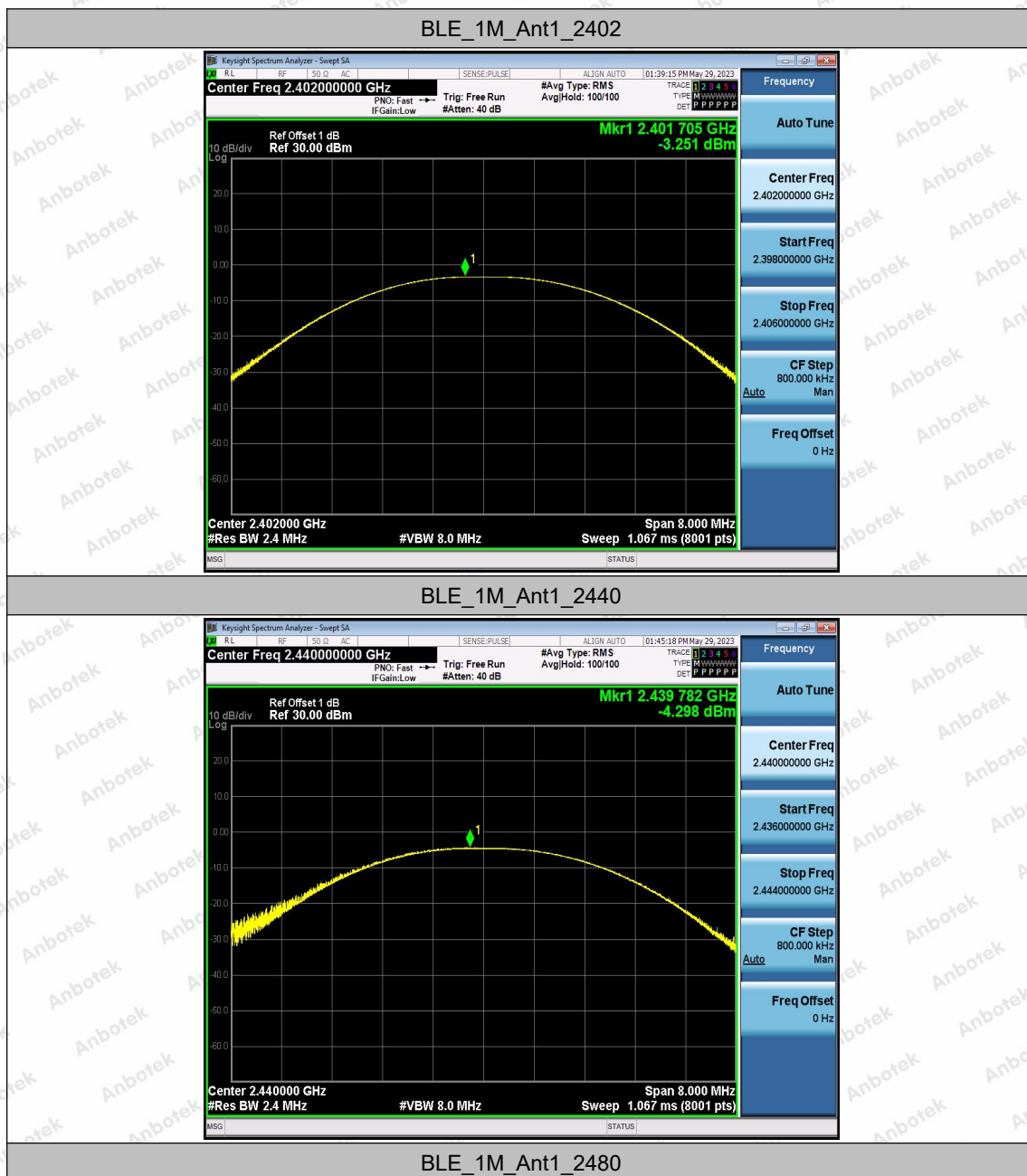
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.25	≤30	PASS
		2440	-4.3	≤30	PASS
		2480	-5.56	≤30	PASS



Test Graphs Peak



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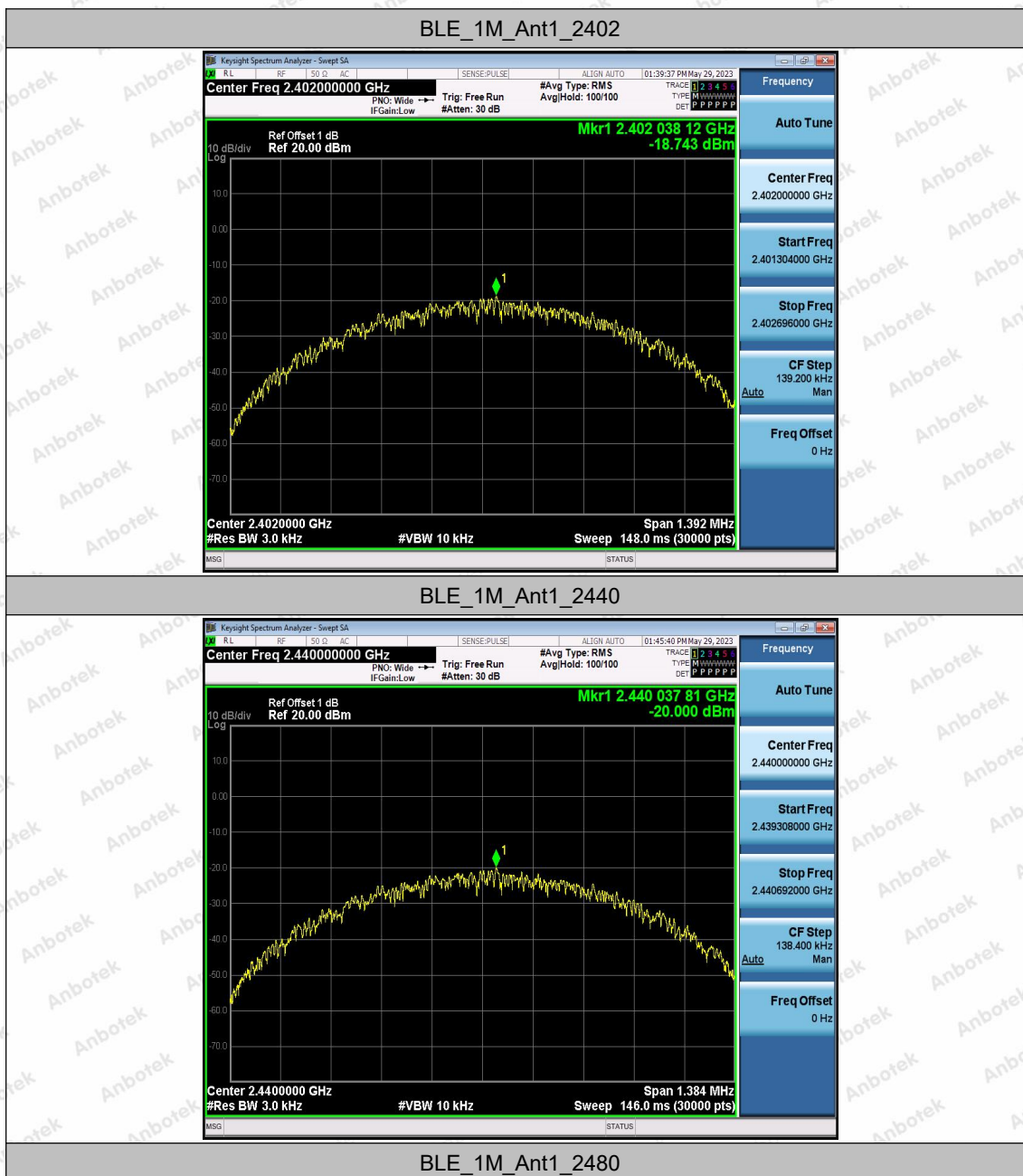
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.74	≤8.00	PASS
		2440	-20	≤8.00	PASS
		2480	-21.05	≤8.00	PASS



Test Graphs



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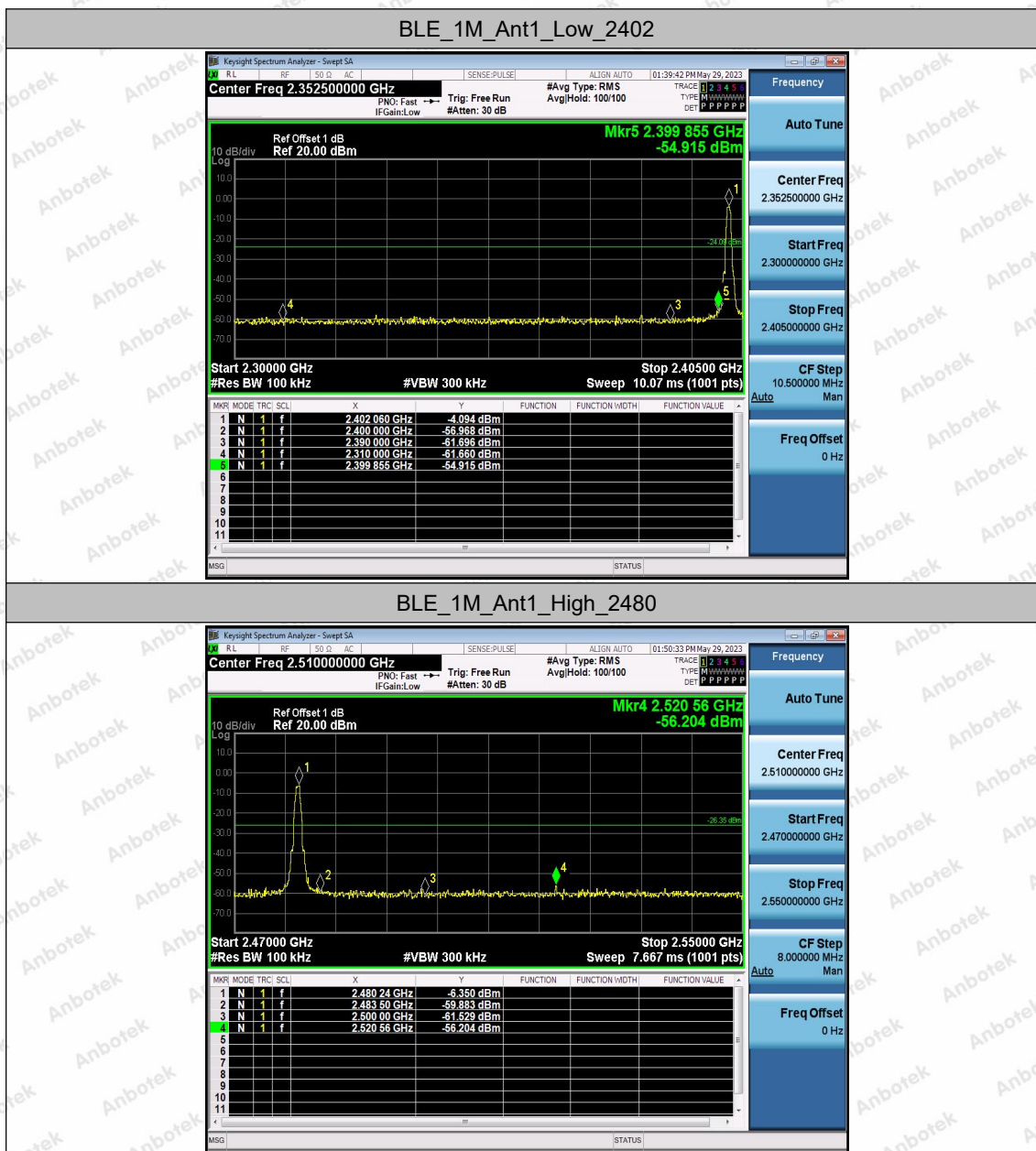
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.09	-54.92	≤-24.09	PASS
		High	2480	-6.35	-56.2	≤-26.35	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	-4.29	-4.29	---	PASS
			30~1000	-4.29	-69.08	≤-24.29	PASS
			1000~26500	-4.29	-52.63	≤-24.29	PASS
		2440	Reference	-6.12	-6.12	---	PASS
			30~1000	-6.12	-68.63	≤-26.12	PASS
			1000~26500	-6.12	-53.04	≤-26.12	PASS
		2480	Reference	-7.40	-7.40	---	PASS
			30~1000	-7.40	-68.48	≤-27.4	PASS
			1000~26500	-7.40	-53.61	≤-27.4	PASS

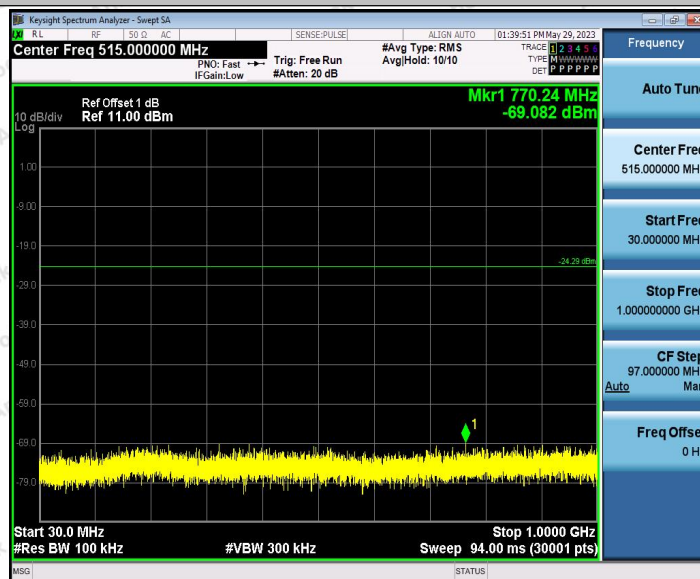


Test Graphs

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

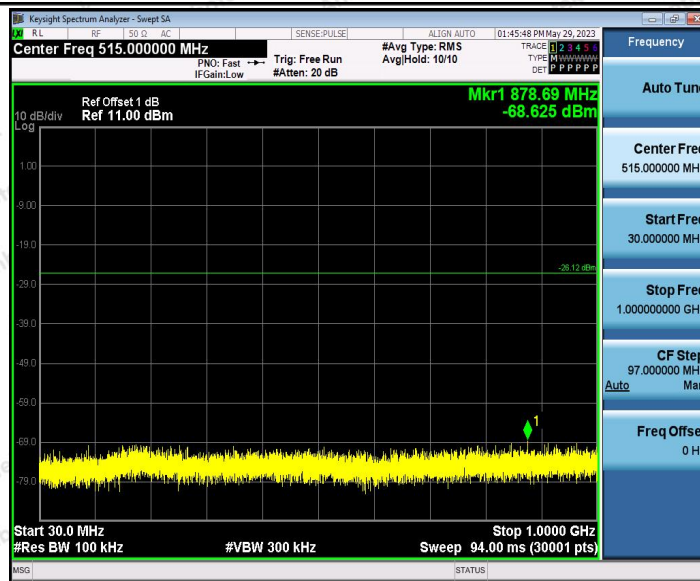
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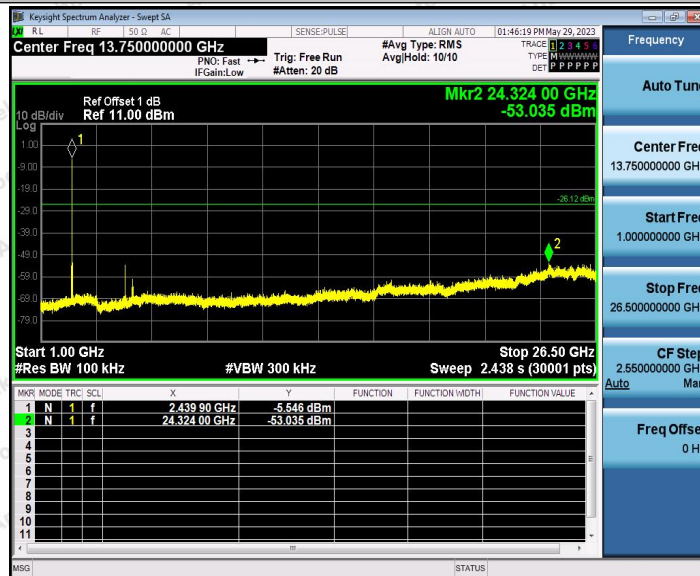


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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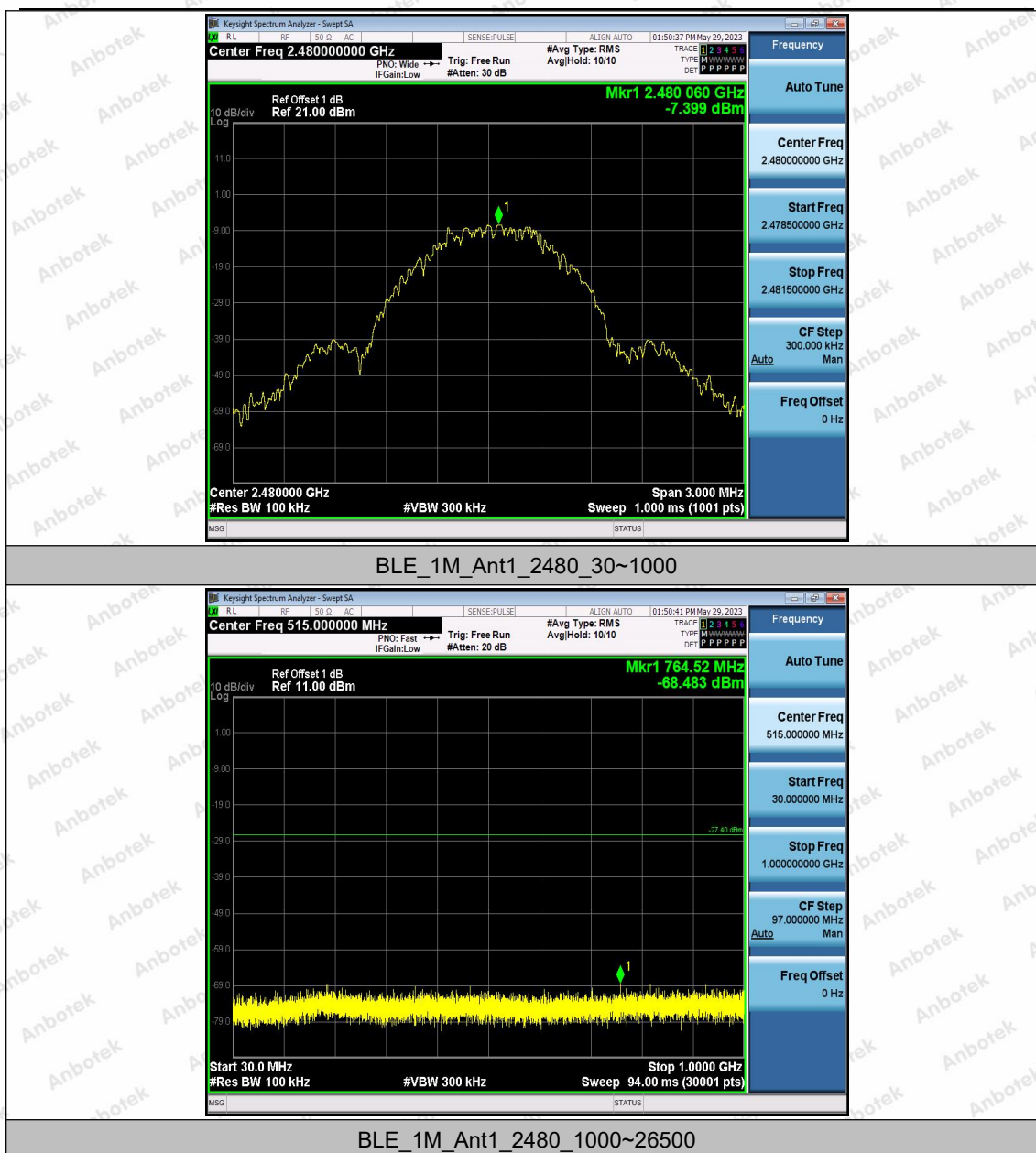


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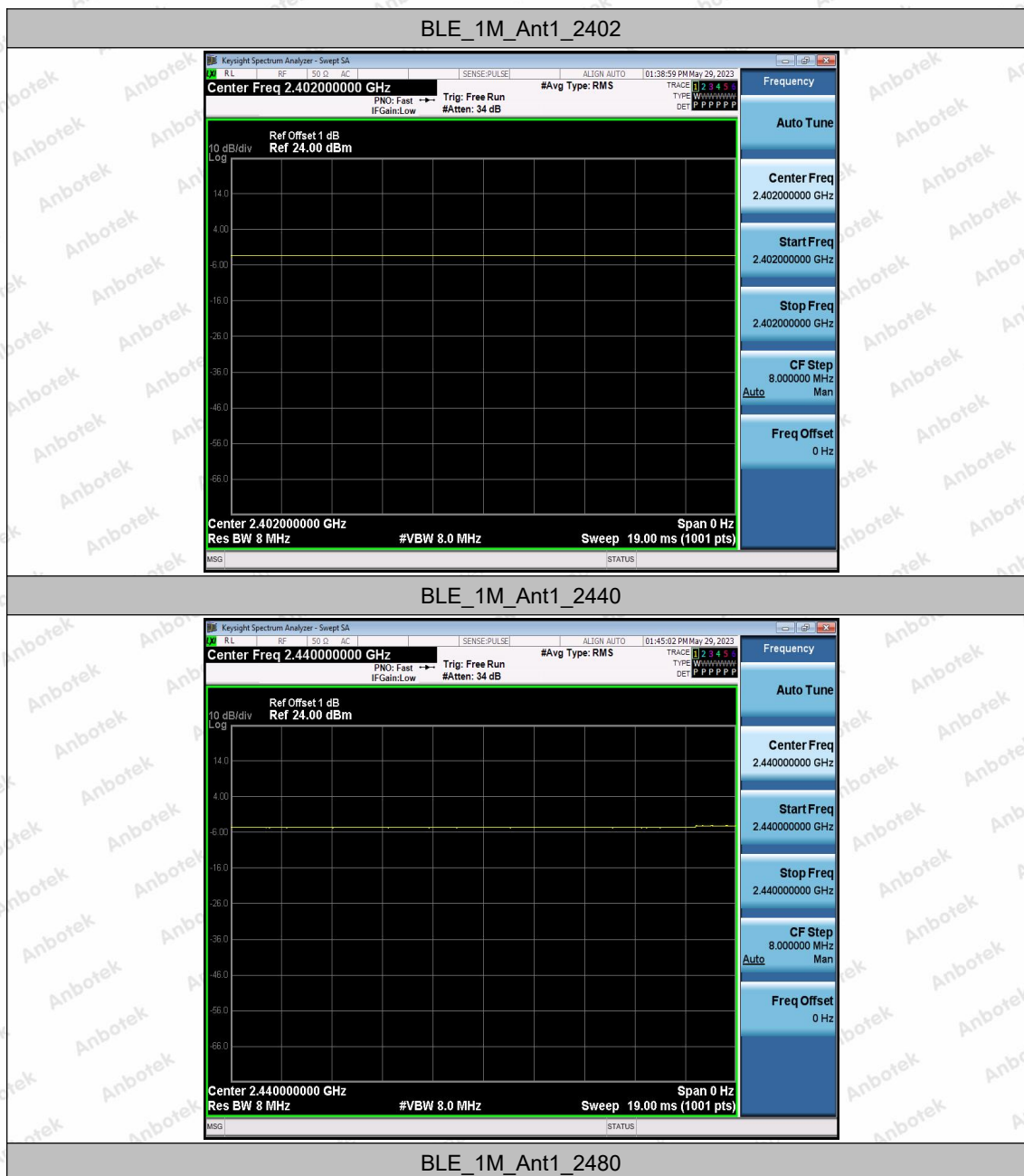
Appendix G: Duty Cycle

Test Result

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