

Appendix Test Data

Report No.:	18220WC30176402	Test Sample No.:	1-2-2
Start Test Date:	2023.08.21	Finish Test Date:	2023.08.24
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	48%
Pressure:	1012 hPa		

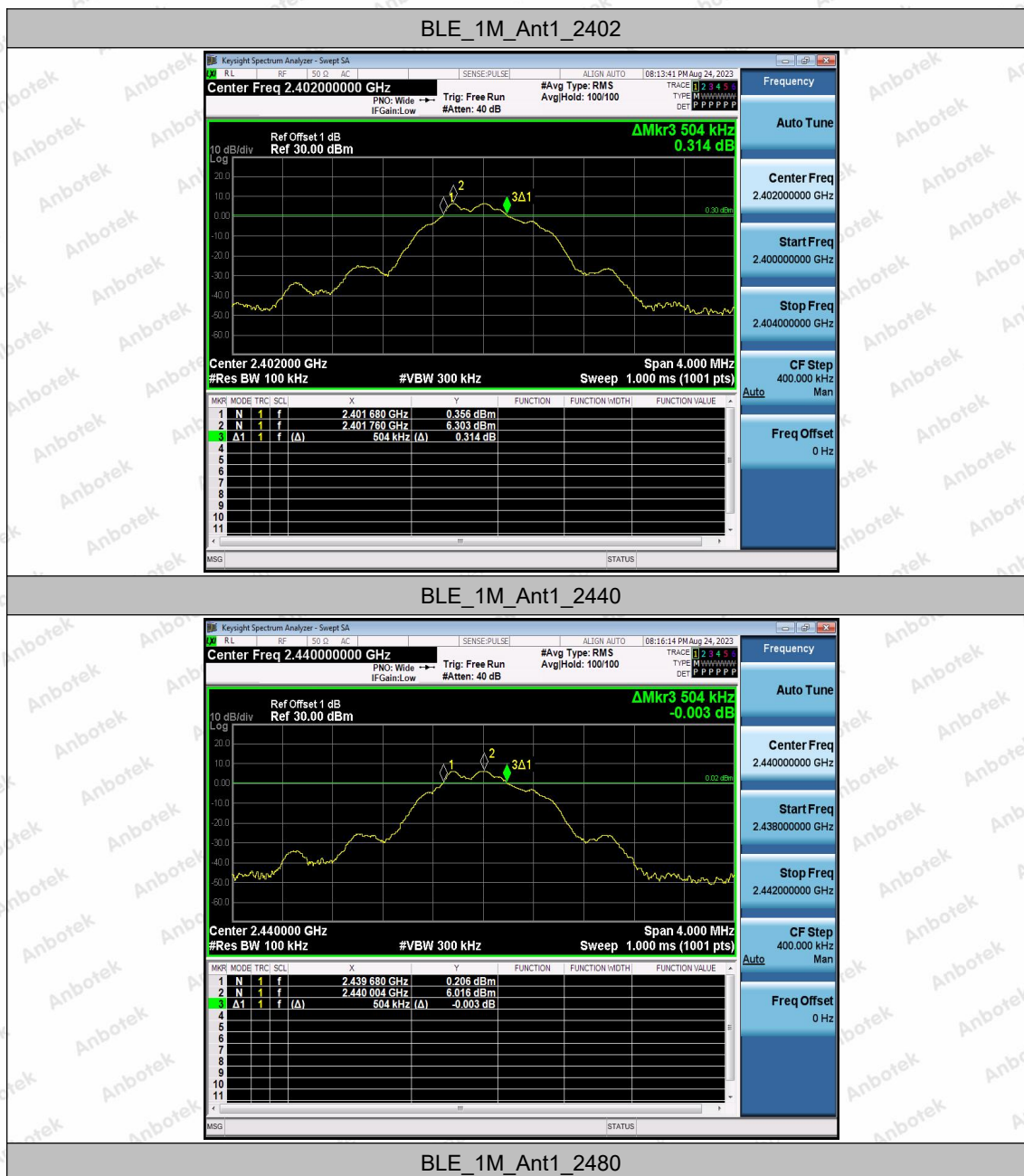
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.504	2401.680	2402.184	0.5	PASS
		2440	0.504	2439.680	2440.184	0.5	PASS
		2480	0.504	2479.680	2480.184	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	1.0193	2401.5084	2402.5277
		2440	1.0258	2439.5092	2440.5350
		2480	1.0148	2479.5176	2480.5324



Test Graphs



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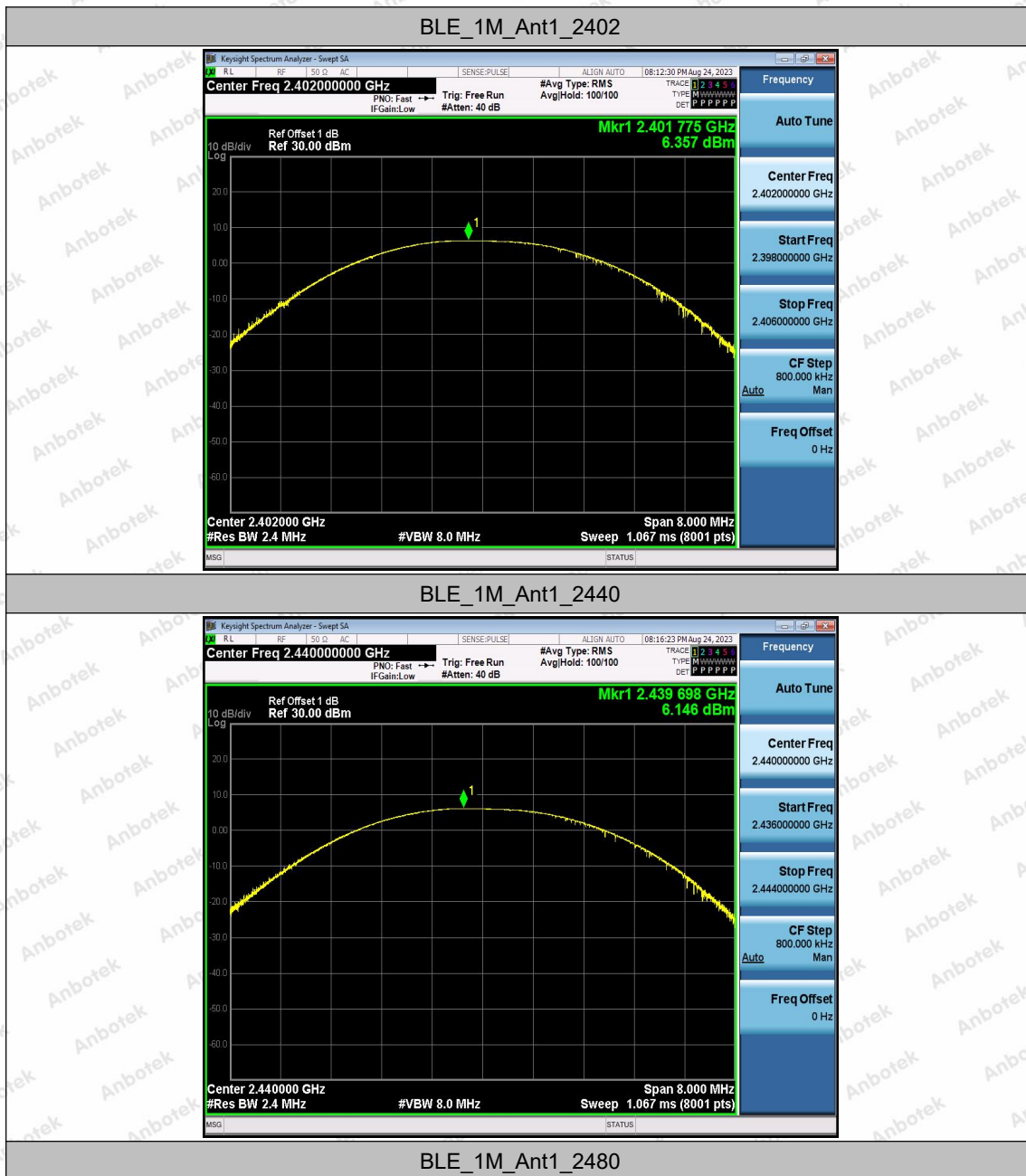
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.36	≤30	PASS
		2440	6.15	≤30	PASS
		2480	6.01	≤30	PASS



Test Graphs Peak



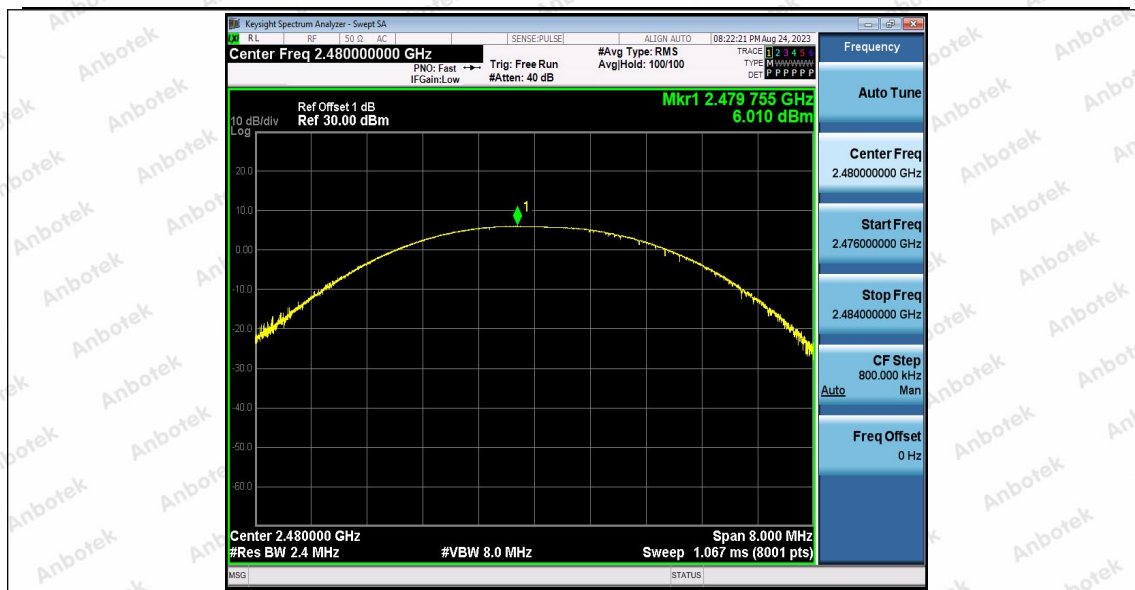
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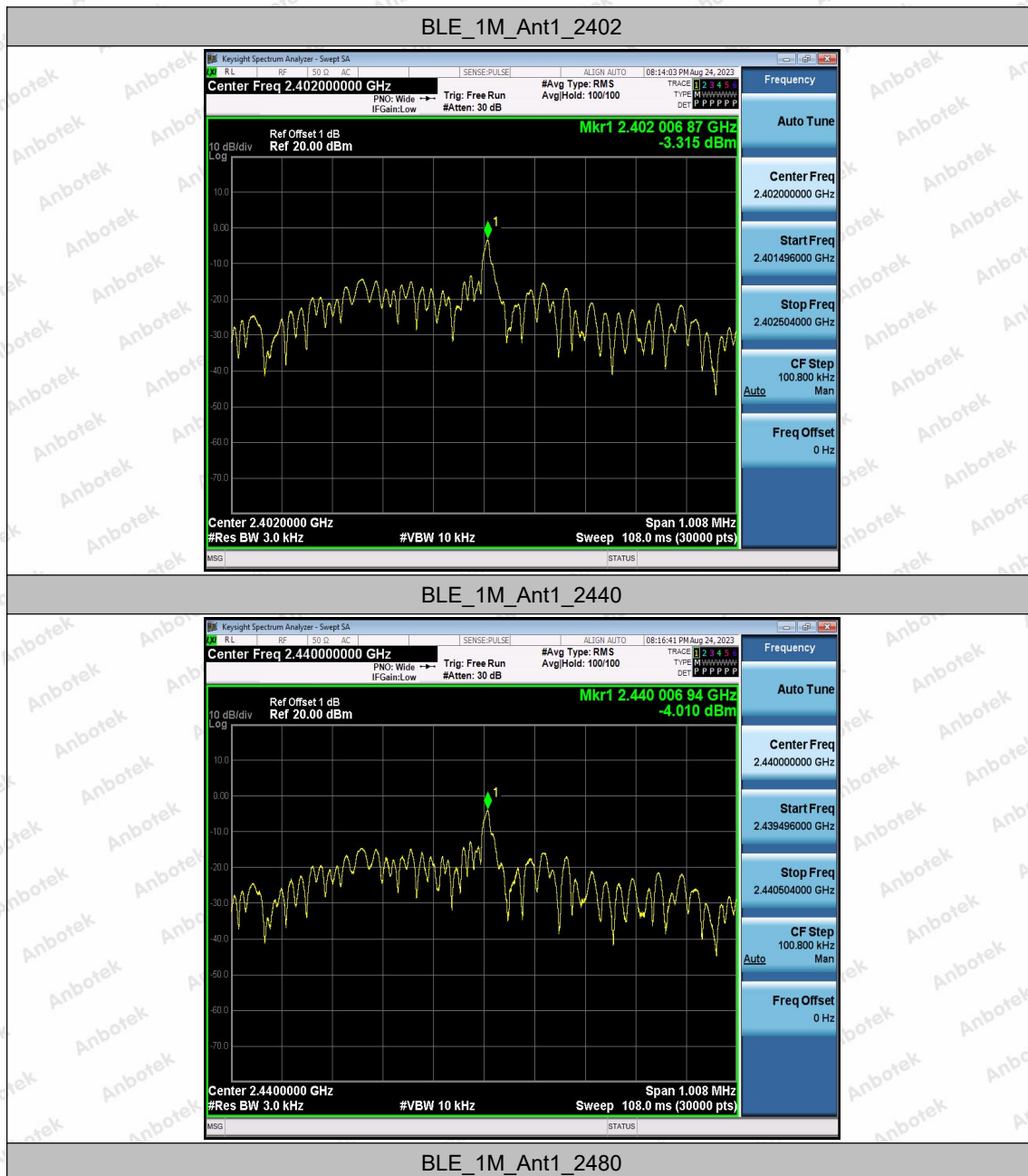
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.32	≤8.00	PASS
		2440	-4.01	≤8.00	PASS
		2480	-3.93	≤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	6.41	-33.82	≤-13.59	PASS
		High	2480	5.97	-44.29	≤-14.03	PASS



Test Graphs



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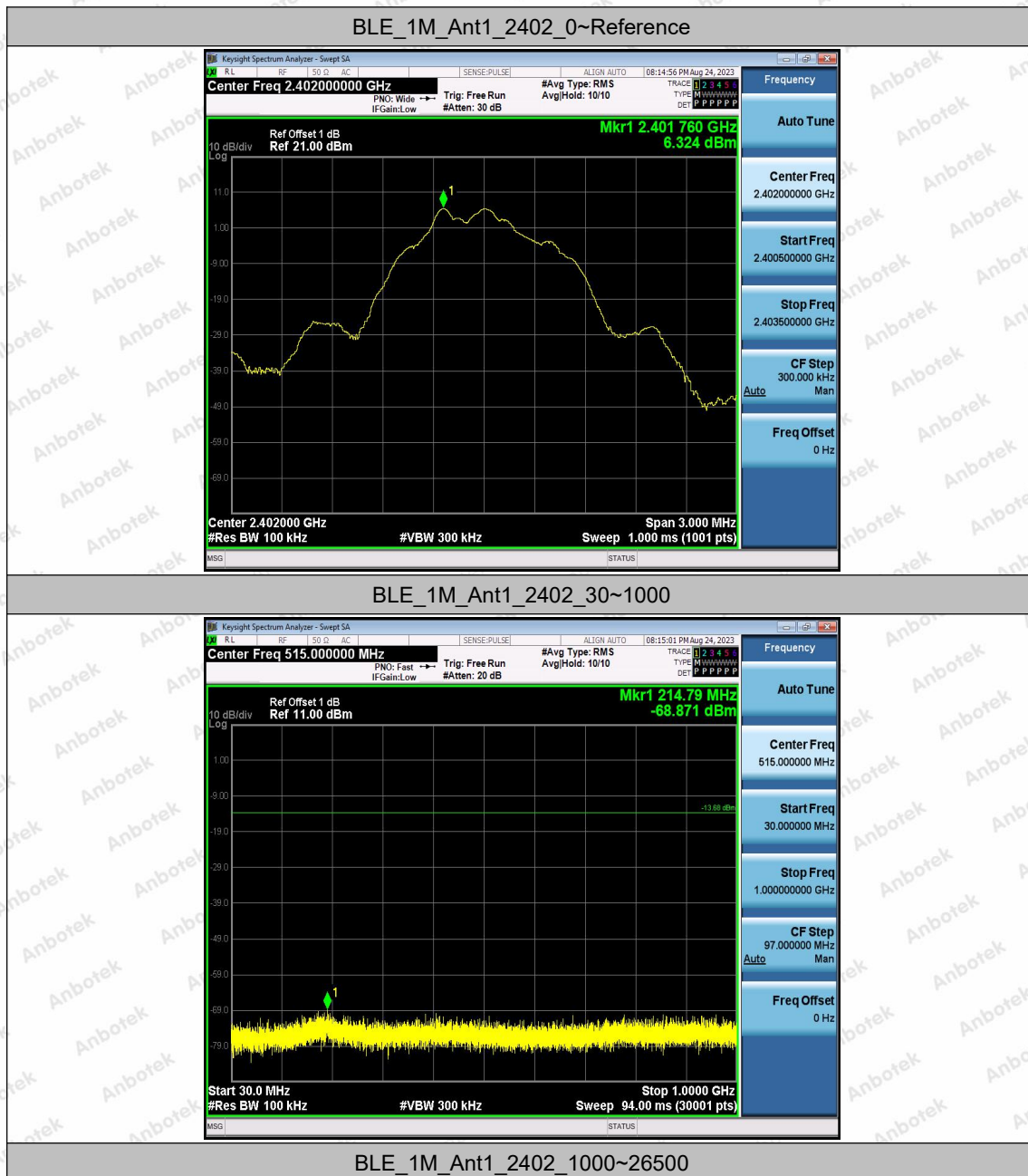
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.32	6.32	---	PASS
			30~1000	6.32	-68.87	≤-13.68	PASS
			1000~26500	6.32	-34.88	≤-13.68	PASS
		2440	Reference	6.03	6.03	---	PASS
			30~1000	6.03	-69.38	≤-13.97	PASS
			1000~26500	6.03	-35.45	≤-13.97	PASS
		2480	Reference	5.92	5.92	---	PASS
			30~1000	5.92	-69.19	≤-14.08	PASS
			1000~26500	5.92	-36.49	≤-14.08	PASS



Test Graphs



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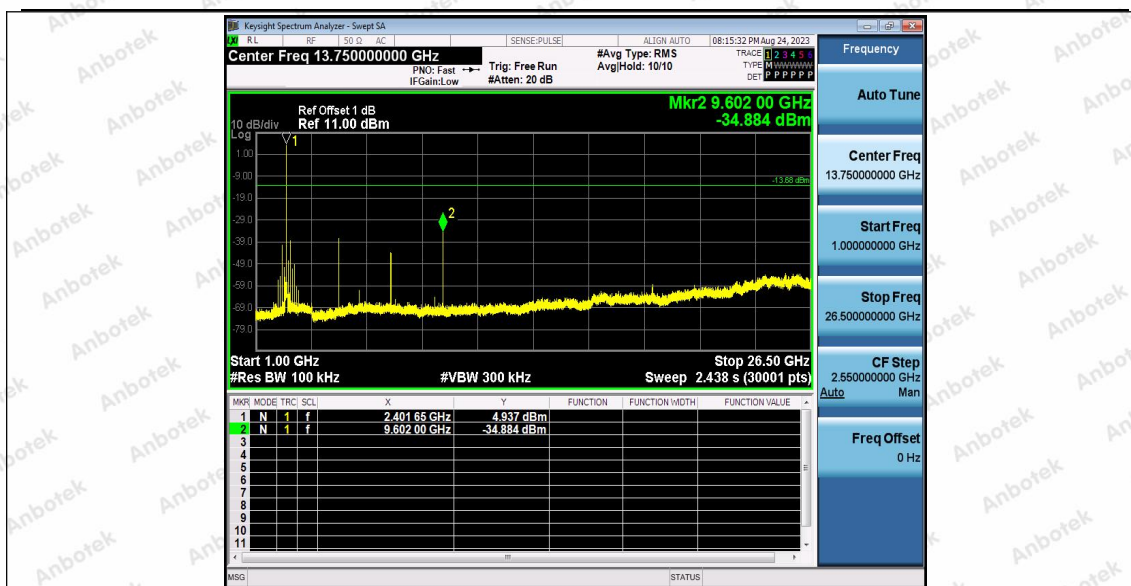


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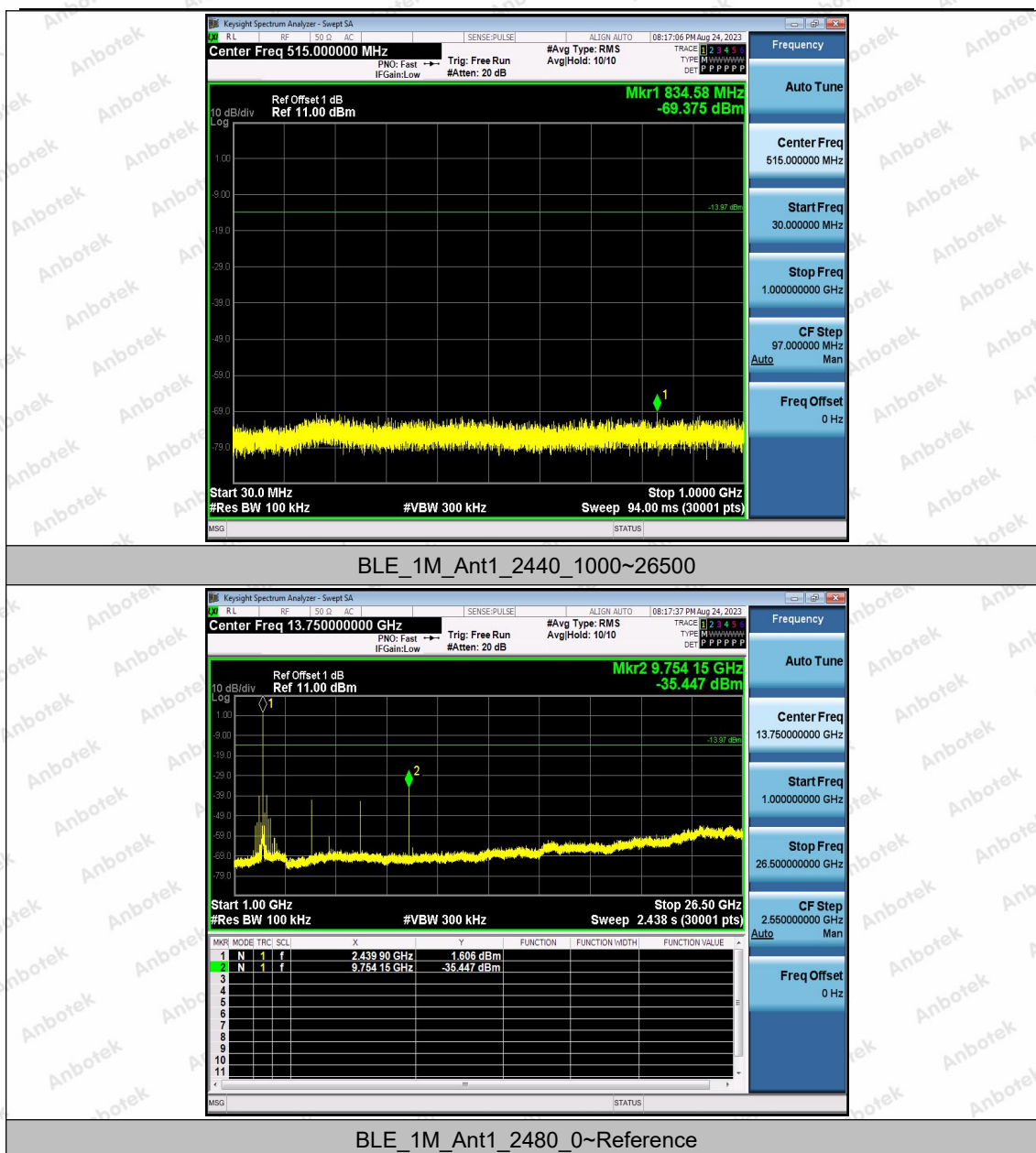


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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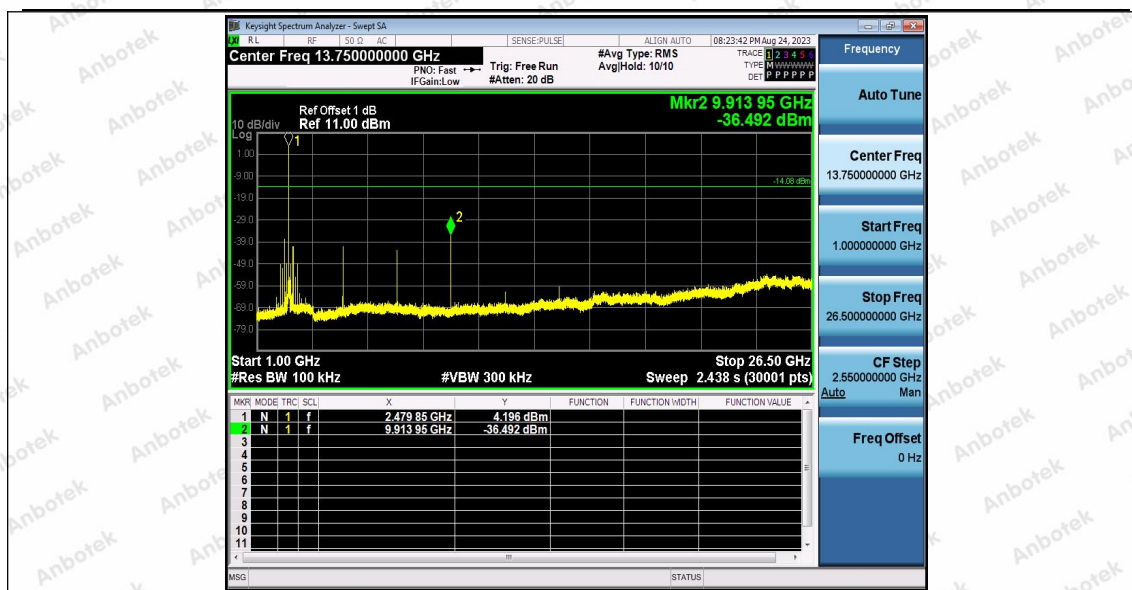
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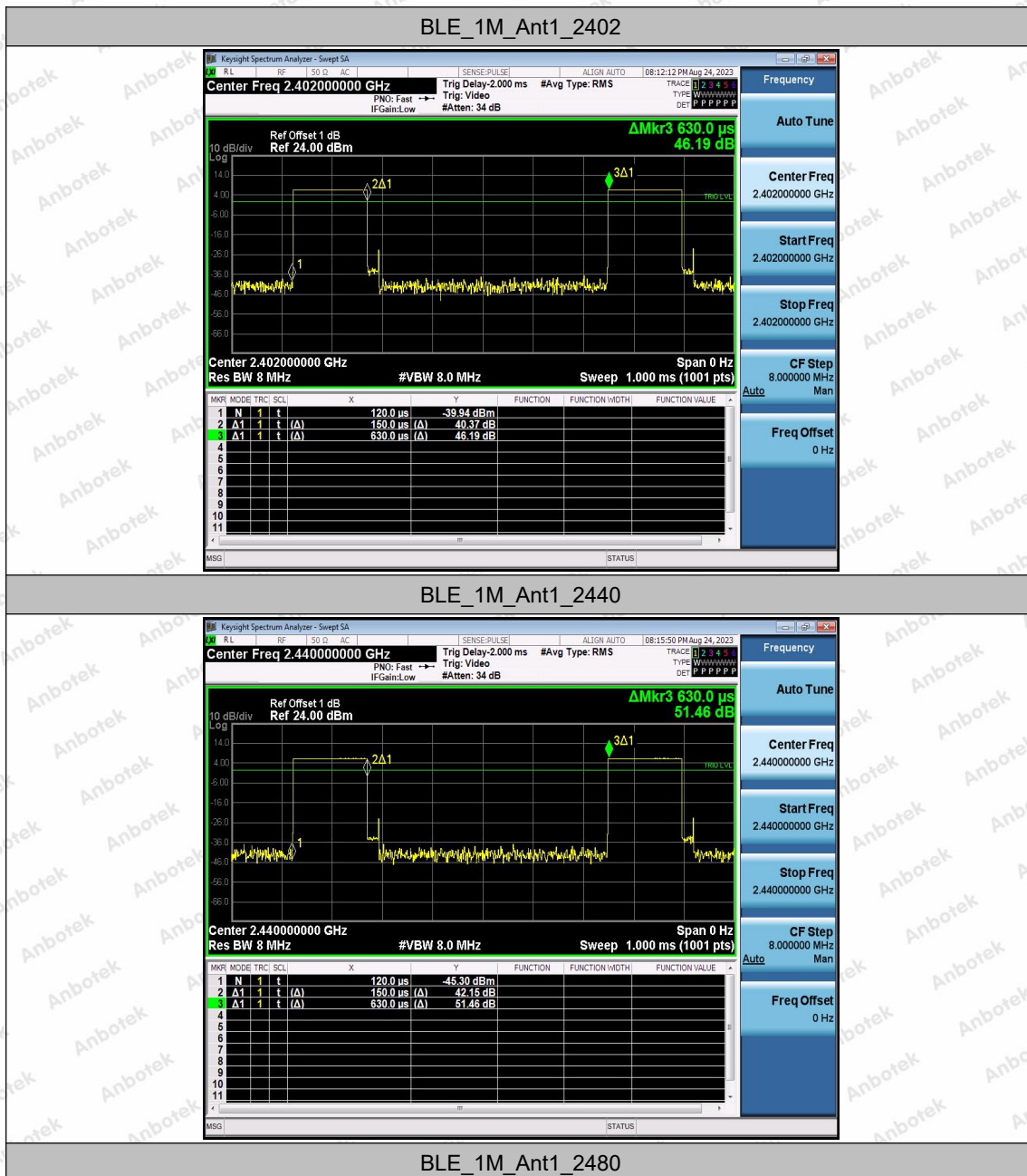
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.15	0.63	23.81	6.23
		2440	0.15	0.63	23.81	6.23
		2480	0.15	0.63	23.81	6.23



Test Graphs



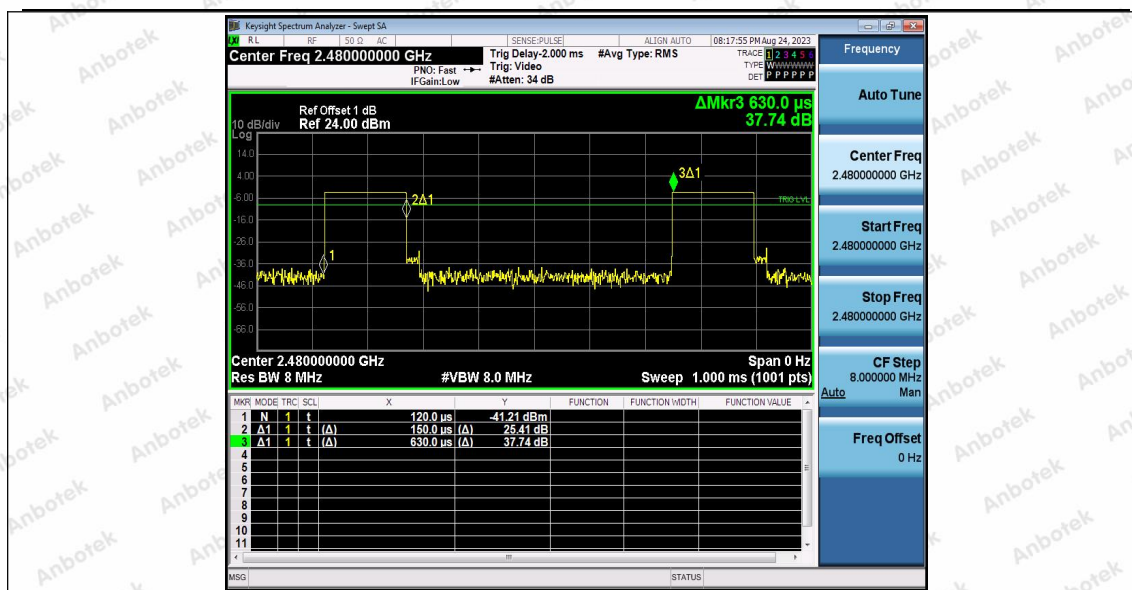
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