

Appendix Test Data

Report No.:	18220WC40004201	Test Sample No.:	1-2-2
Start Test Date:	2024.1.17	Finish Test Date:	2024.1.17
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	46%
Pressure:	101kPa		

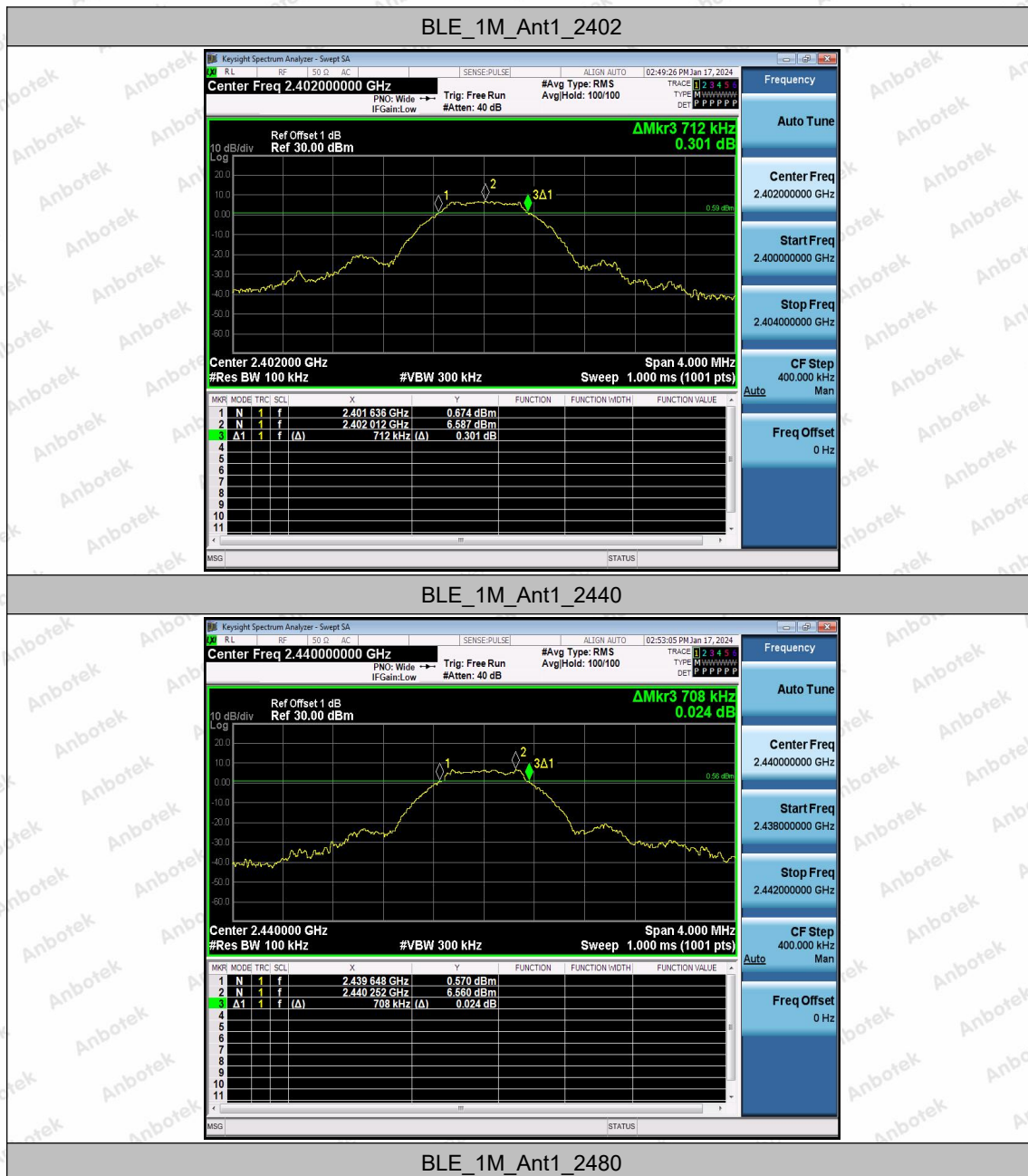
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.636	2402.348	0.5	PASS
		2440	0.708	2439.648	2440.356	0.5	PASS
		2480	0.696	2479.652	2480.348	0.5	PASS



Test Graphs



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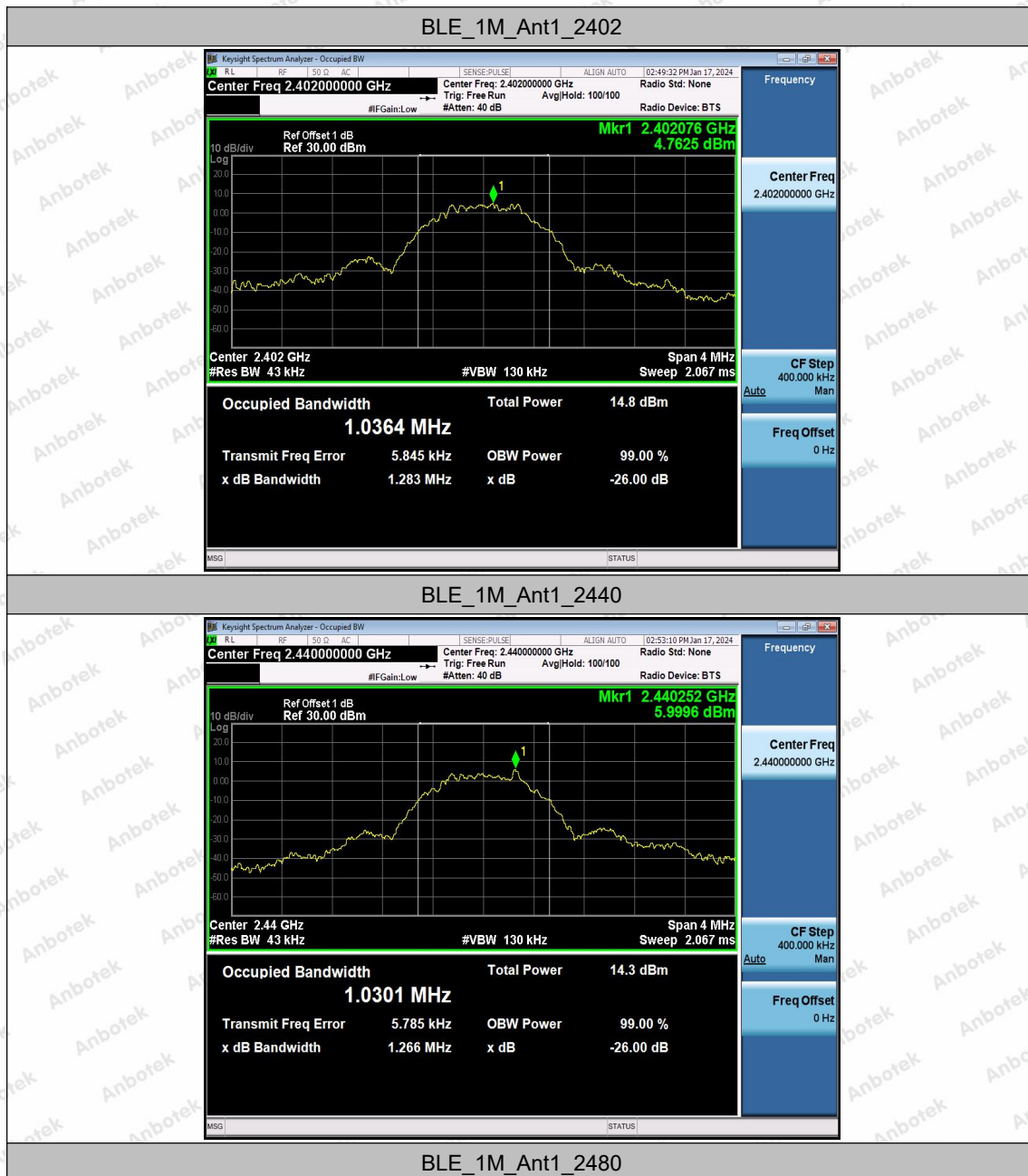
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0364	2401.4877	2402.5241
		2440	1.0301	2439.4907	2440.5208
		2480	1.0328	2479.4891	2480.5219



Test Graphs



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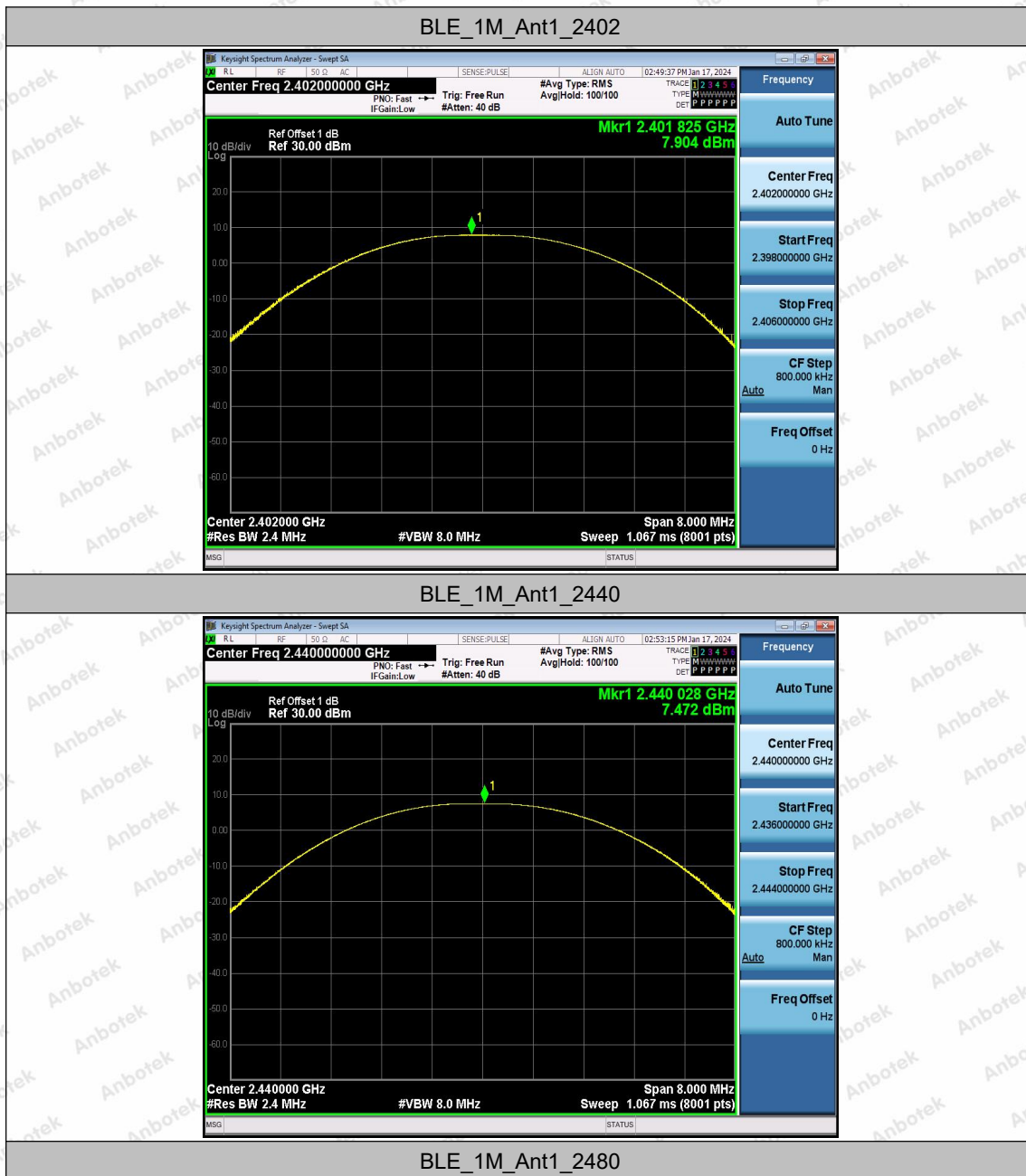
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.9	≤30	PASS
		2440	7.47	≤30	PASS
		2480	7.27	≤30	PASS



Test Graphs Peak



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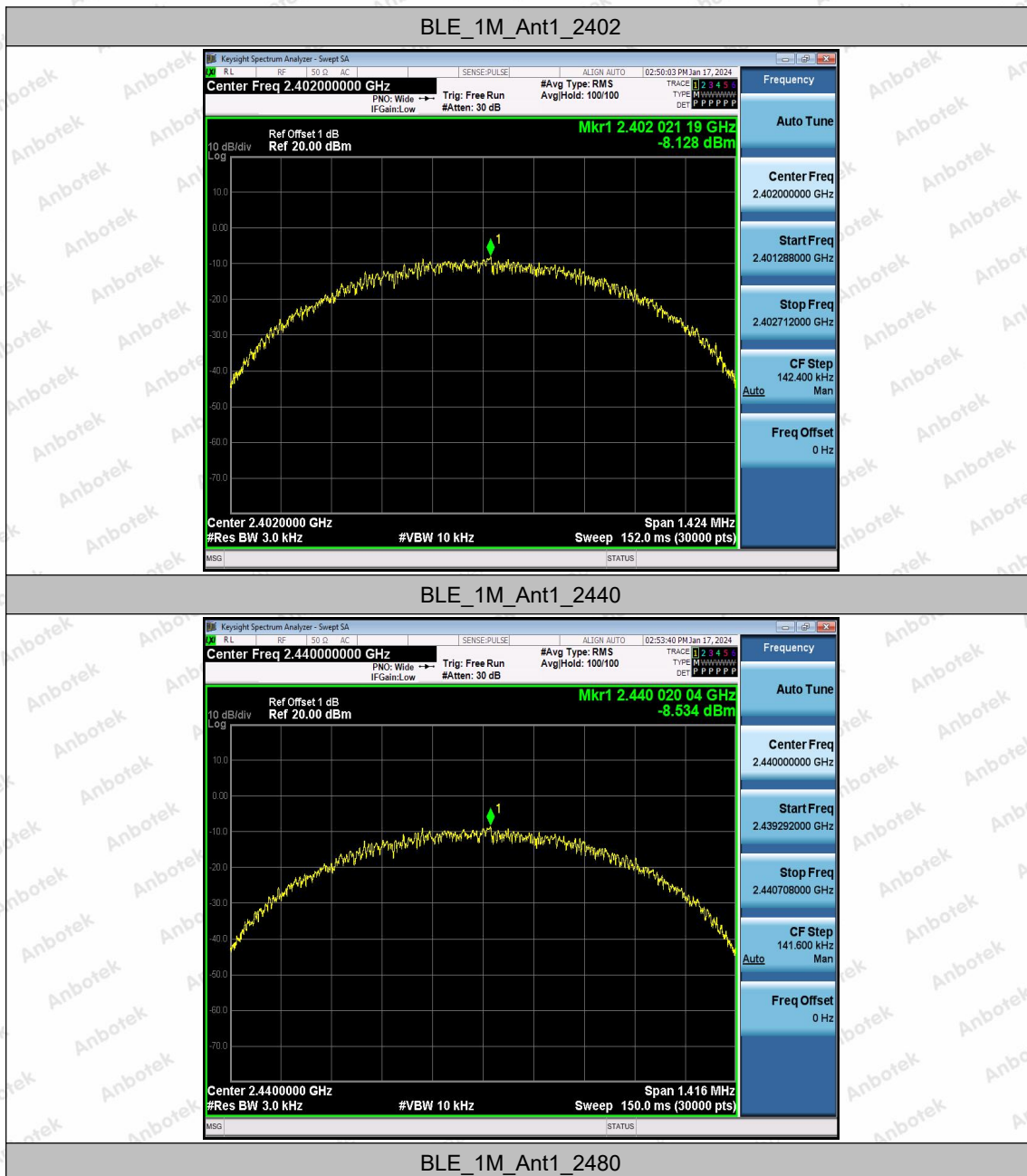
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.13	≤8.00	PASS
		2440	-8.53	≤8.00	PASS
		2480	-8.76	≤8.00	PASS



Test Graphs



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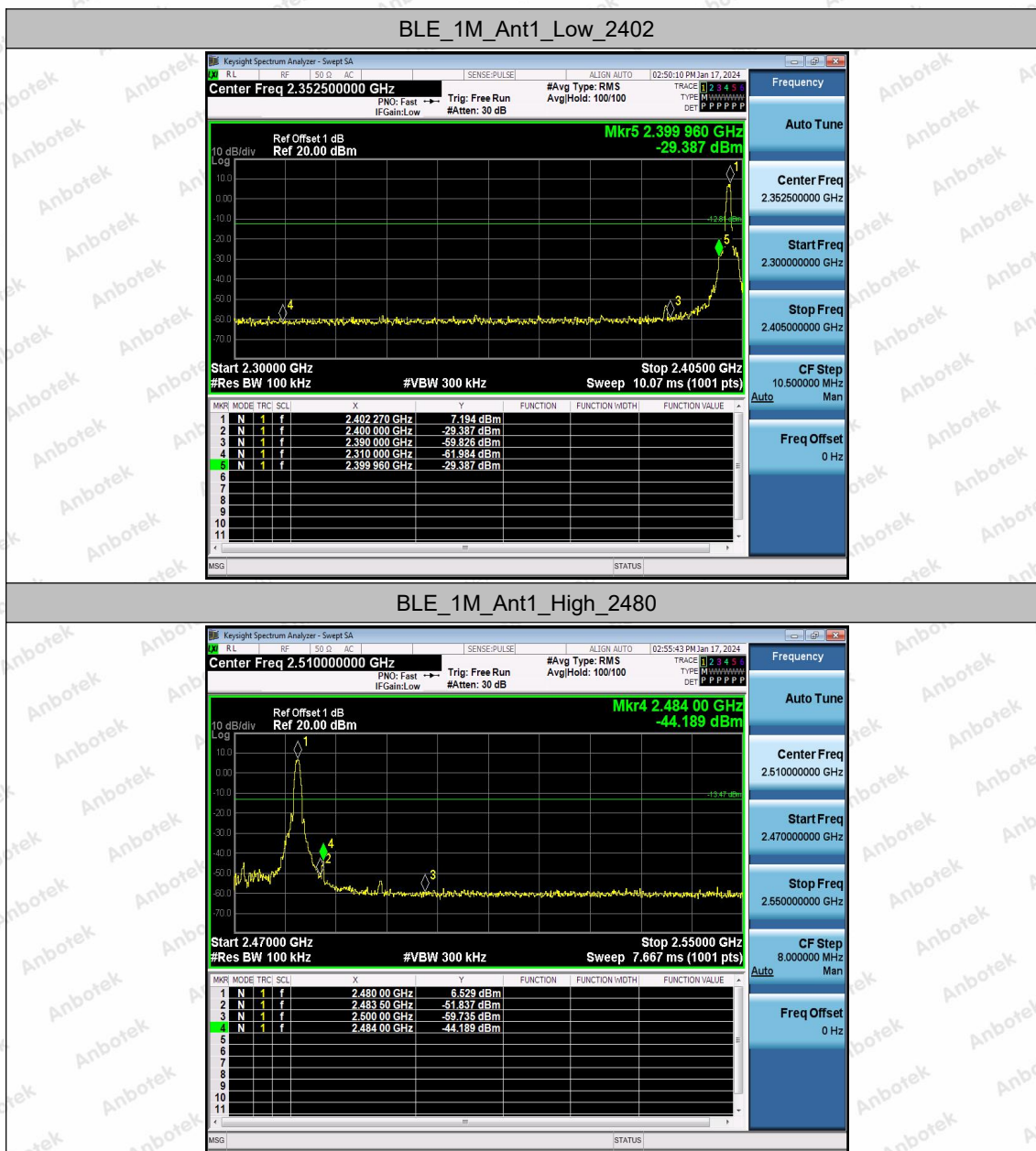
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.19	-29.39	≤-12.81	PASS
		High	2480	6.53	-44.19	≤-13.47	PASS



Test Graphs



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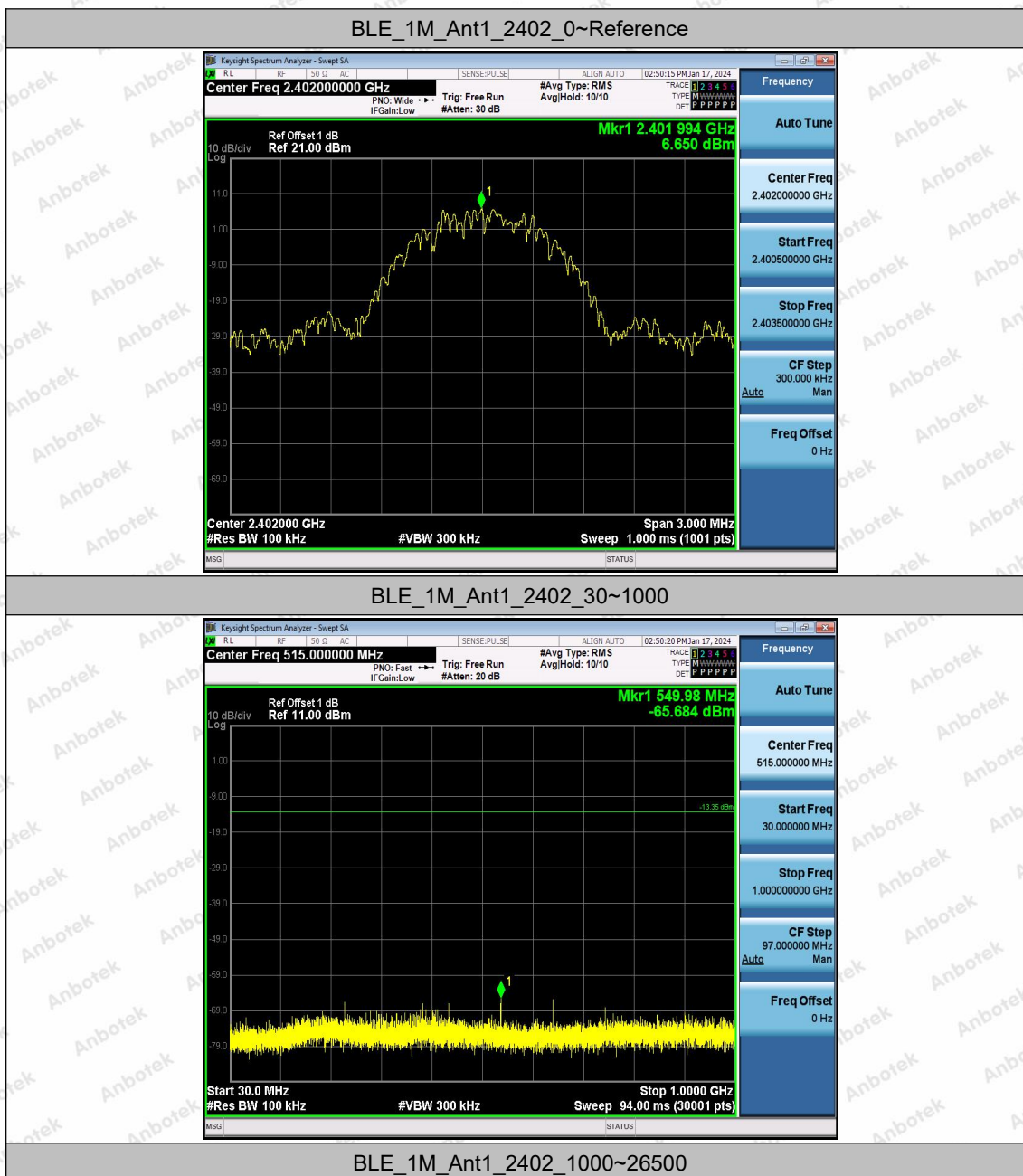
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.65	6.65	---	PASS
			30~1000	6.65	-65.68	≤-13.35	PASS
			1000~26500	6.65	-44.71	≤-13.35	PASS
		2440	Reference	6.08	6.08	---	PASS
			30~1000	6.08	-65.4	≤-13.92	PASS
			1000~26500	6.08	-47.04	≤-13.92	PASS
		2480	Reference	5.60	5.60	---	PASS
			30~1000	5.60	-65.69	≤-14.4	PASS
			1000~26500	5.60	-45.26	≤-14.4	PASS



Test Graphs



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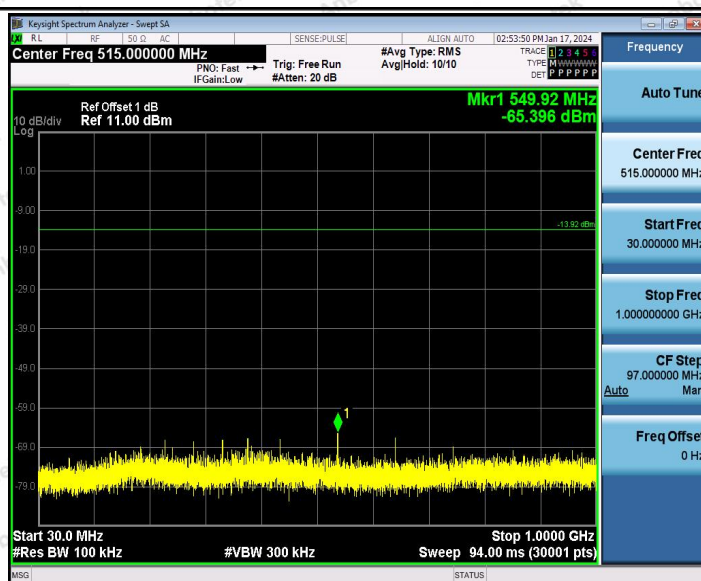
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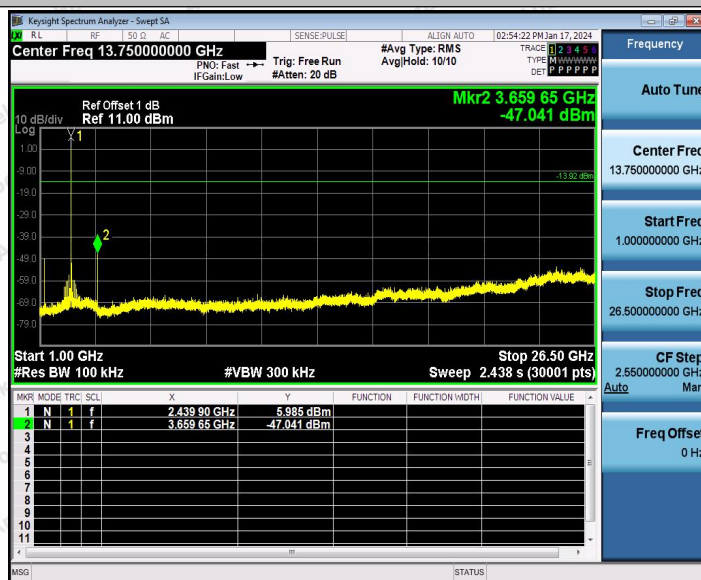


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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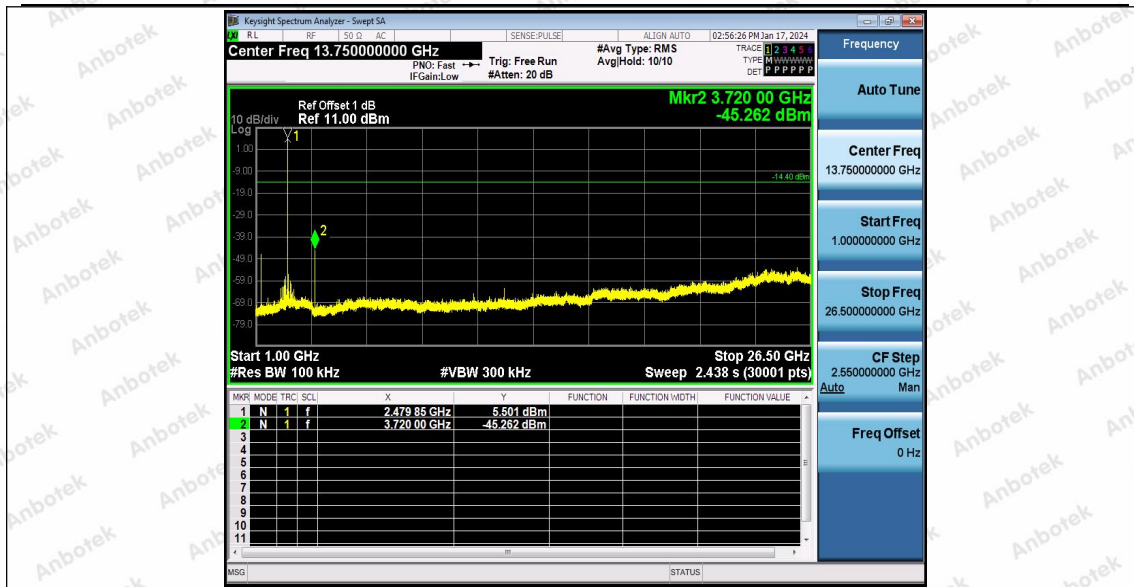
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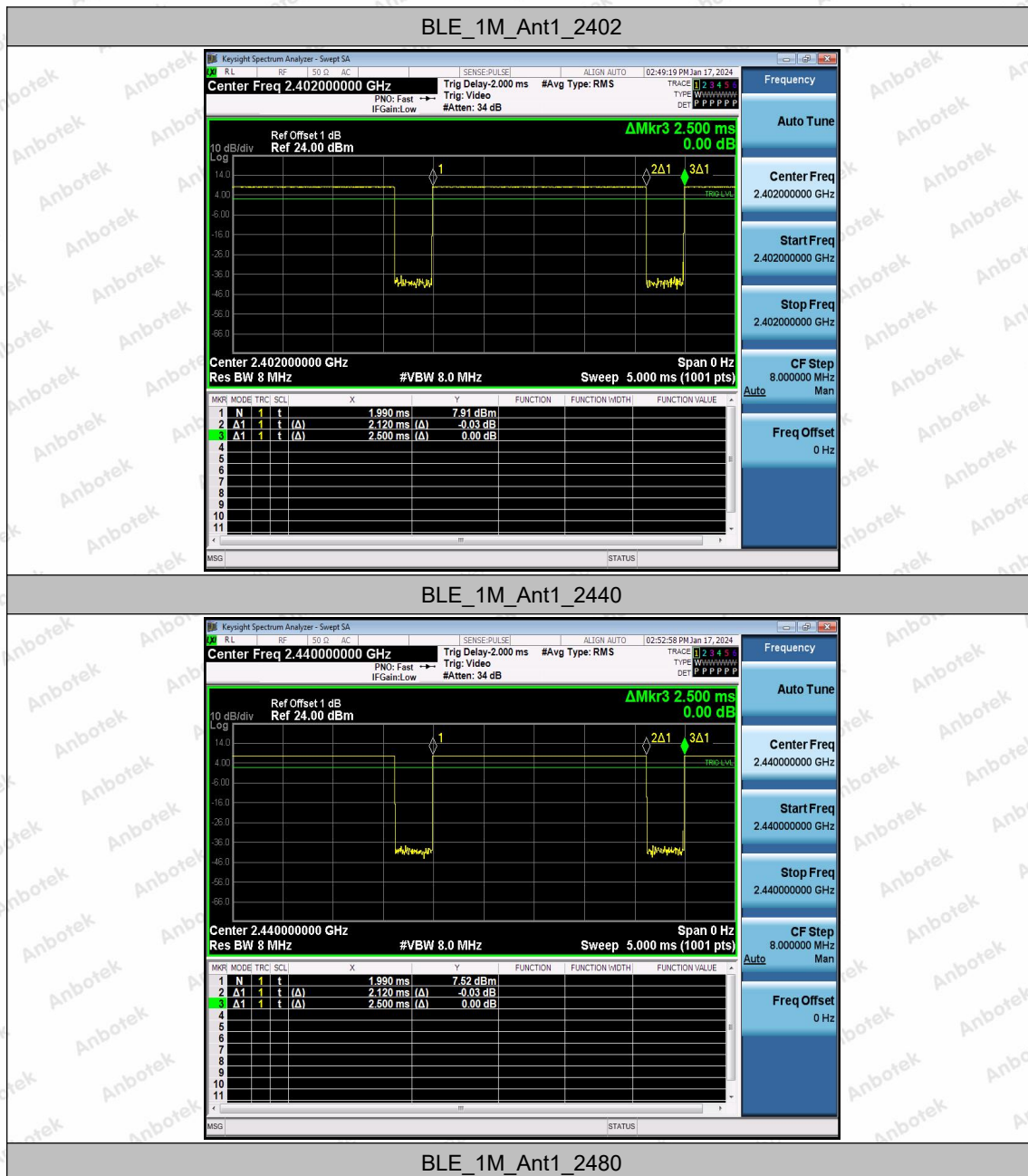
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
		2440	2.12	2.50	84.80	0.72
		2480	2.12	2.50	84.80	0.72



Test Graphs



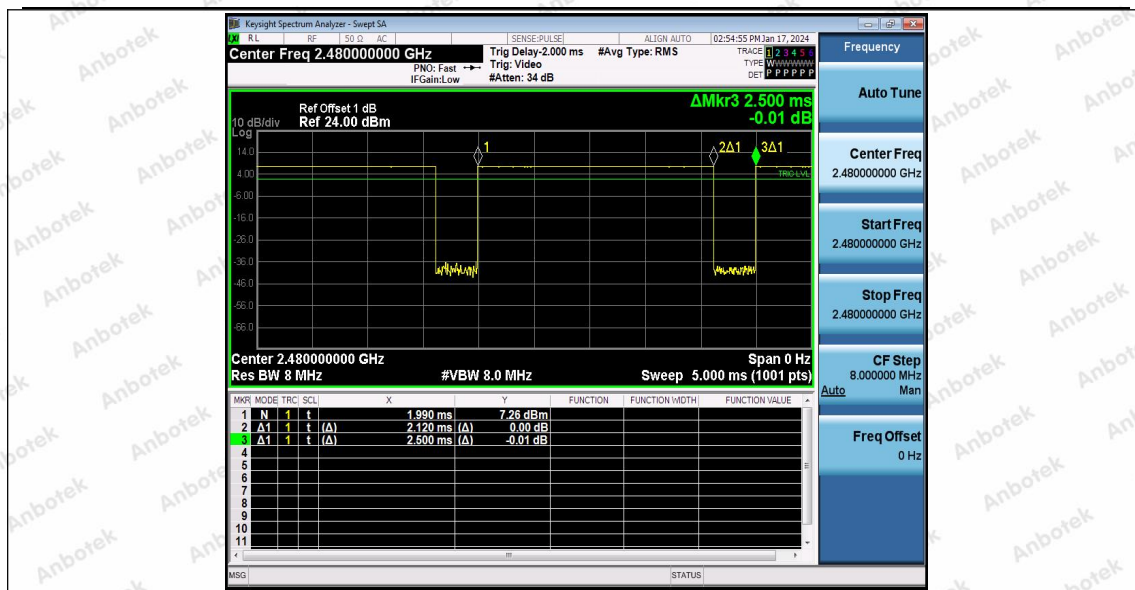
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