

Appendix Test Data

Report No.:	18220WC30249102	Test Sample No.:	1-2-2
Start Test Date:	2023.12.02	Finish Test Date:	2023.12.04
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.7°C	Relative Humidity:	43%
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	0.696	2401.648	2402.344	0.5	PASS
		2440	0.688	2439.648	2440.336	0.5	PASS
		2480	0.696	2479.644	2480.340	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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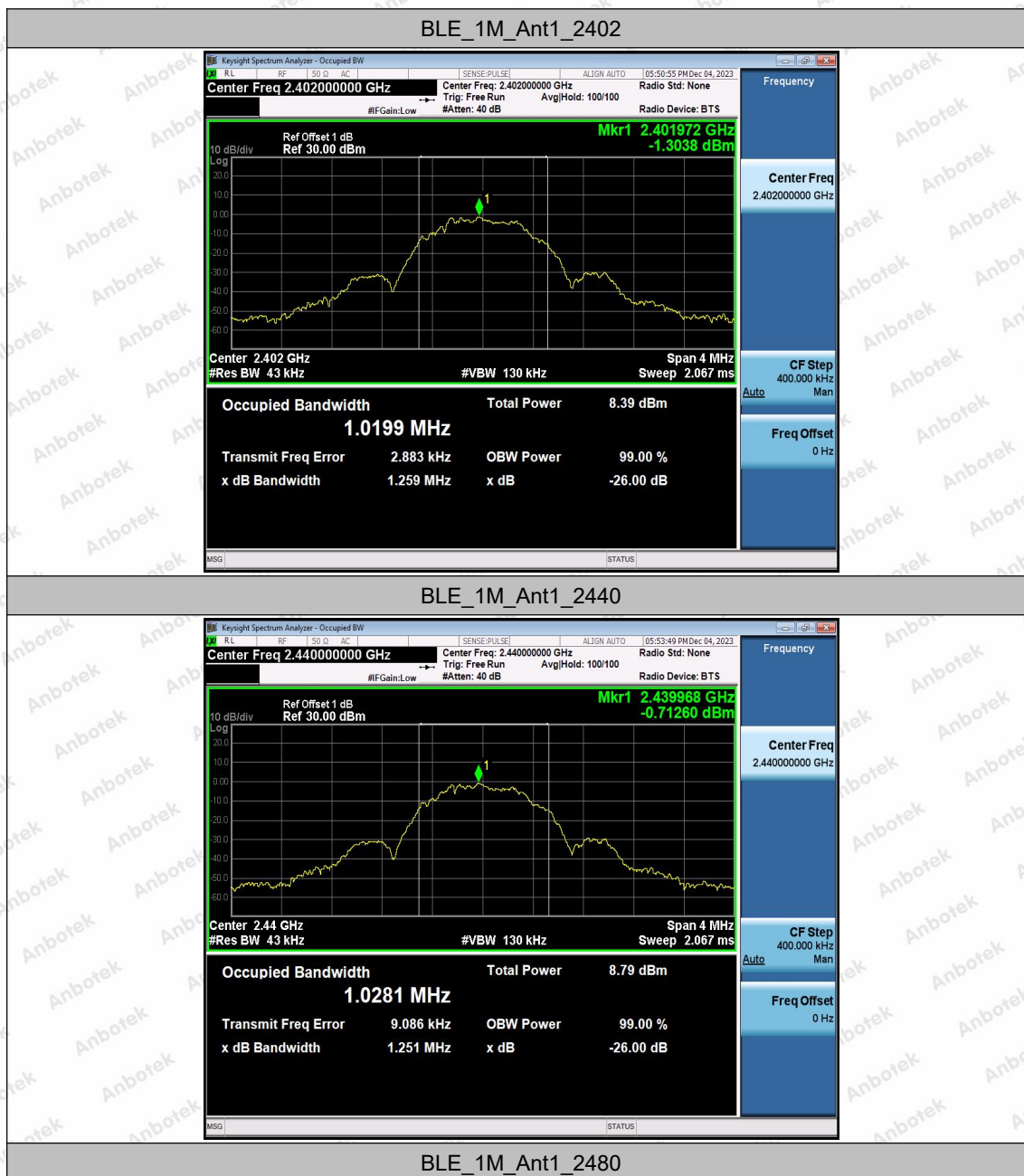
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0199	2401.4929	2402.5128
		2440	1.0281	2439.4950	2440.5231
		2480	1.0303	2479.4922	2480.5225



Test Graphs



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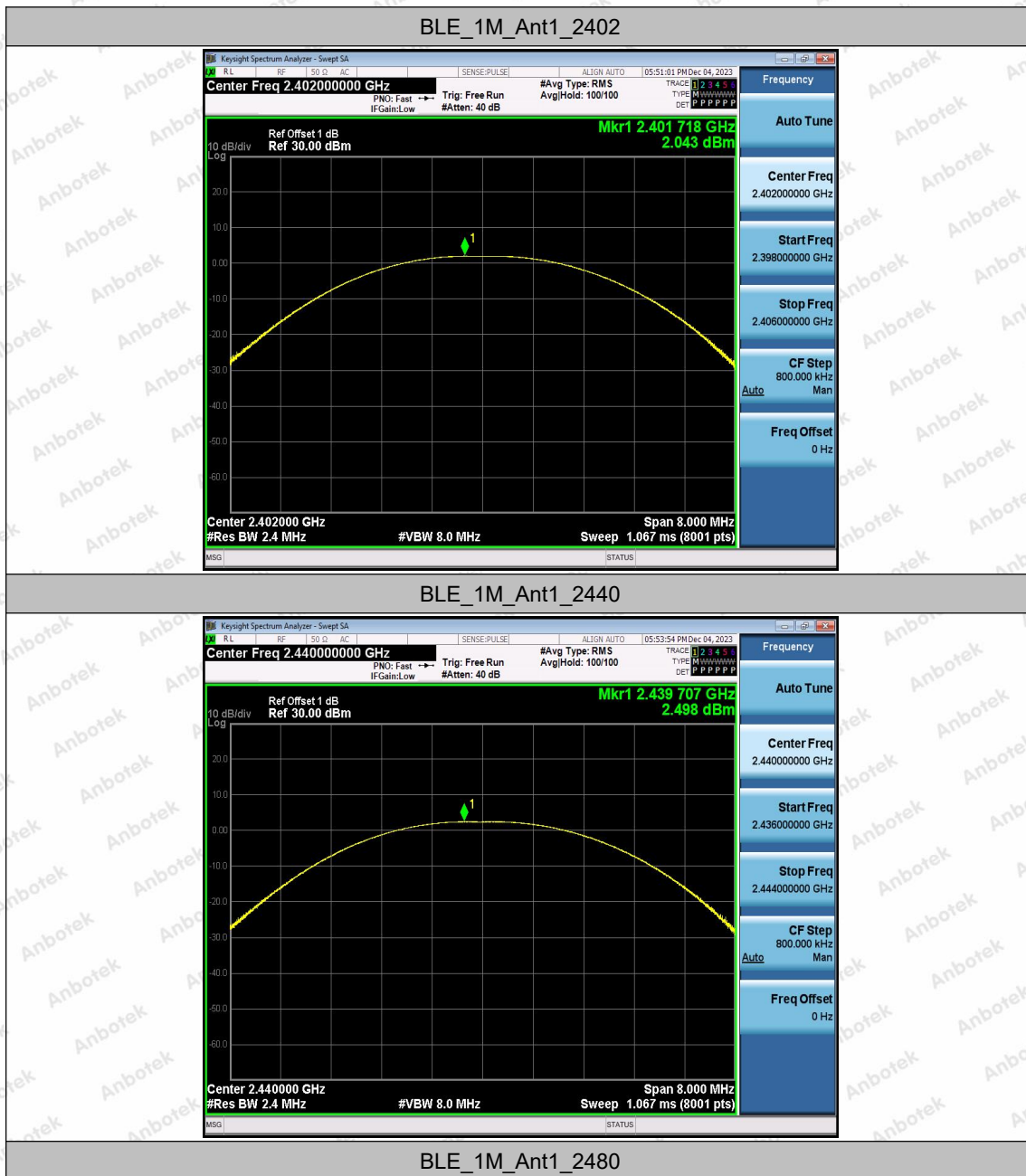
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.04	≤30	PASS
		2440	2.50	≤30	PASS
		2480	1.64	≤30	PASS



Test Graphs Peak



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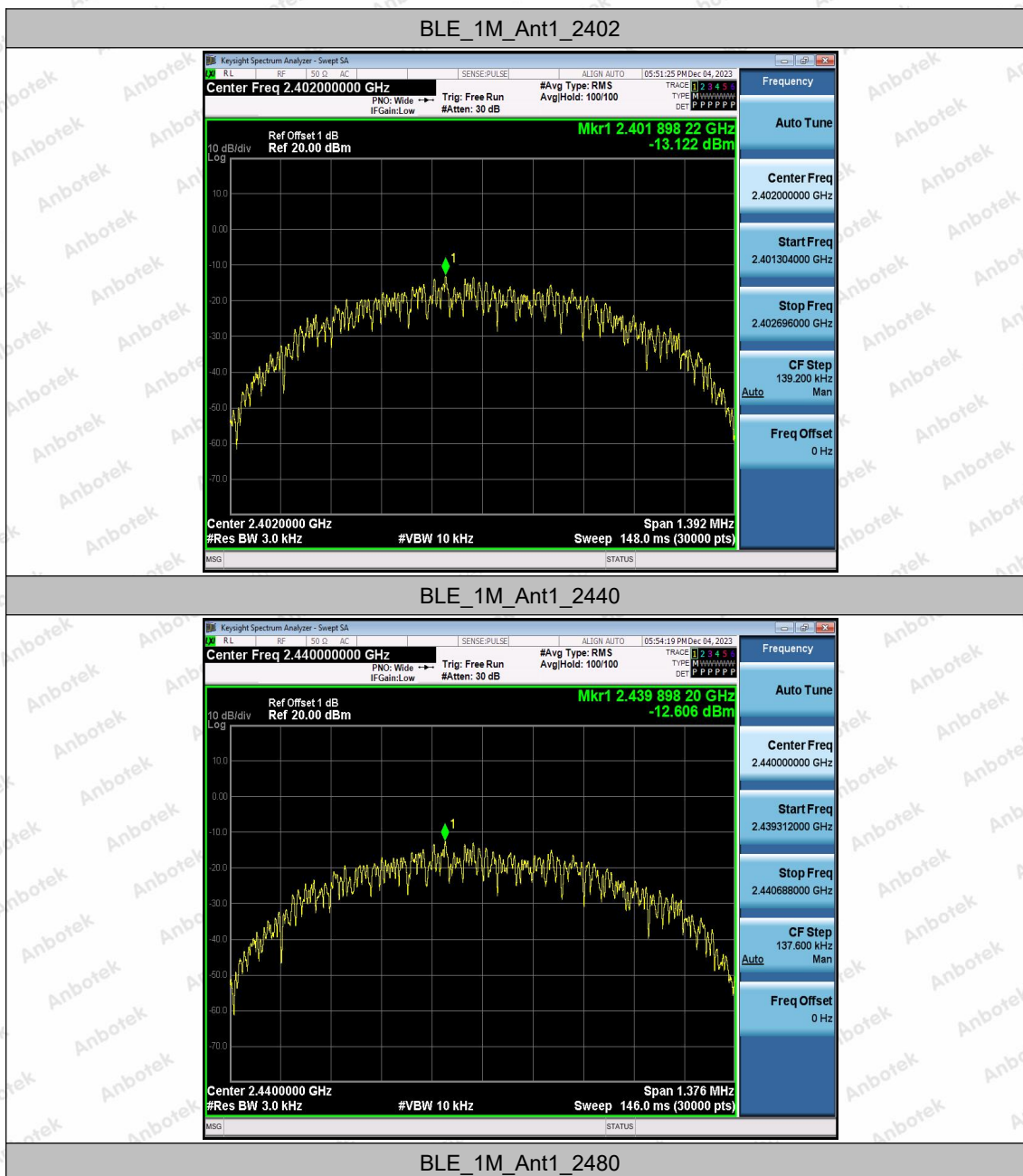
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.12	≤8.00	PASS
		2440	-12.61	≤8.00	PASS
		2480	-13.53	≤8.00	PASS



Test Graphs



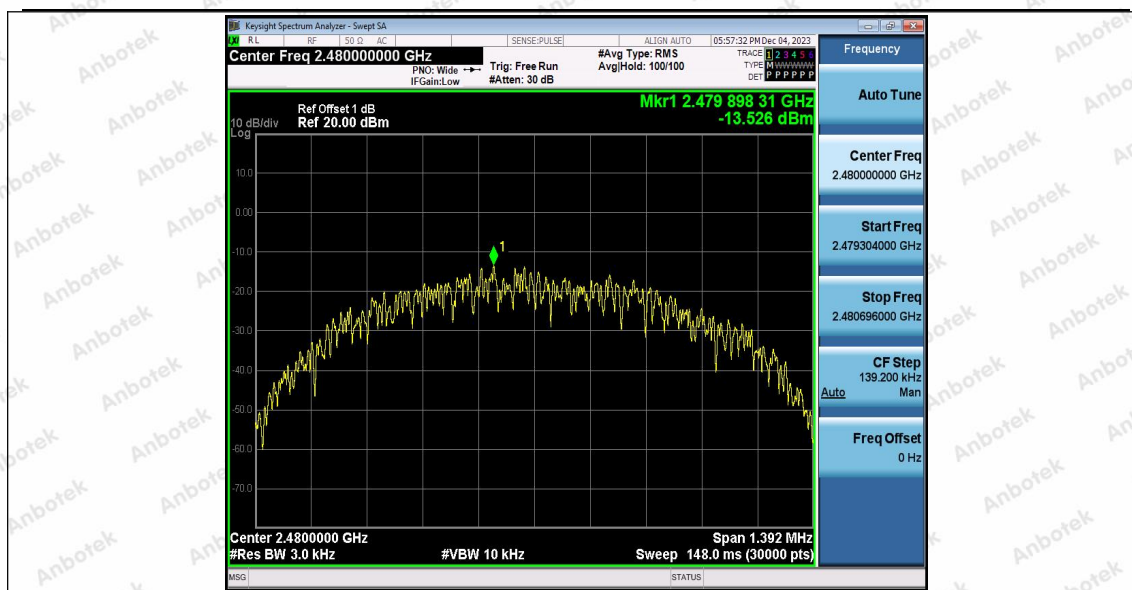
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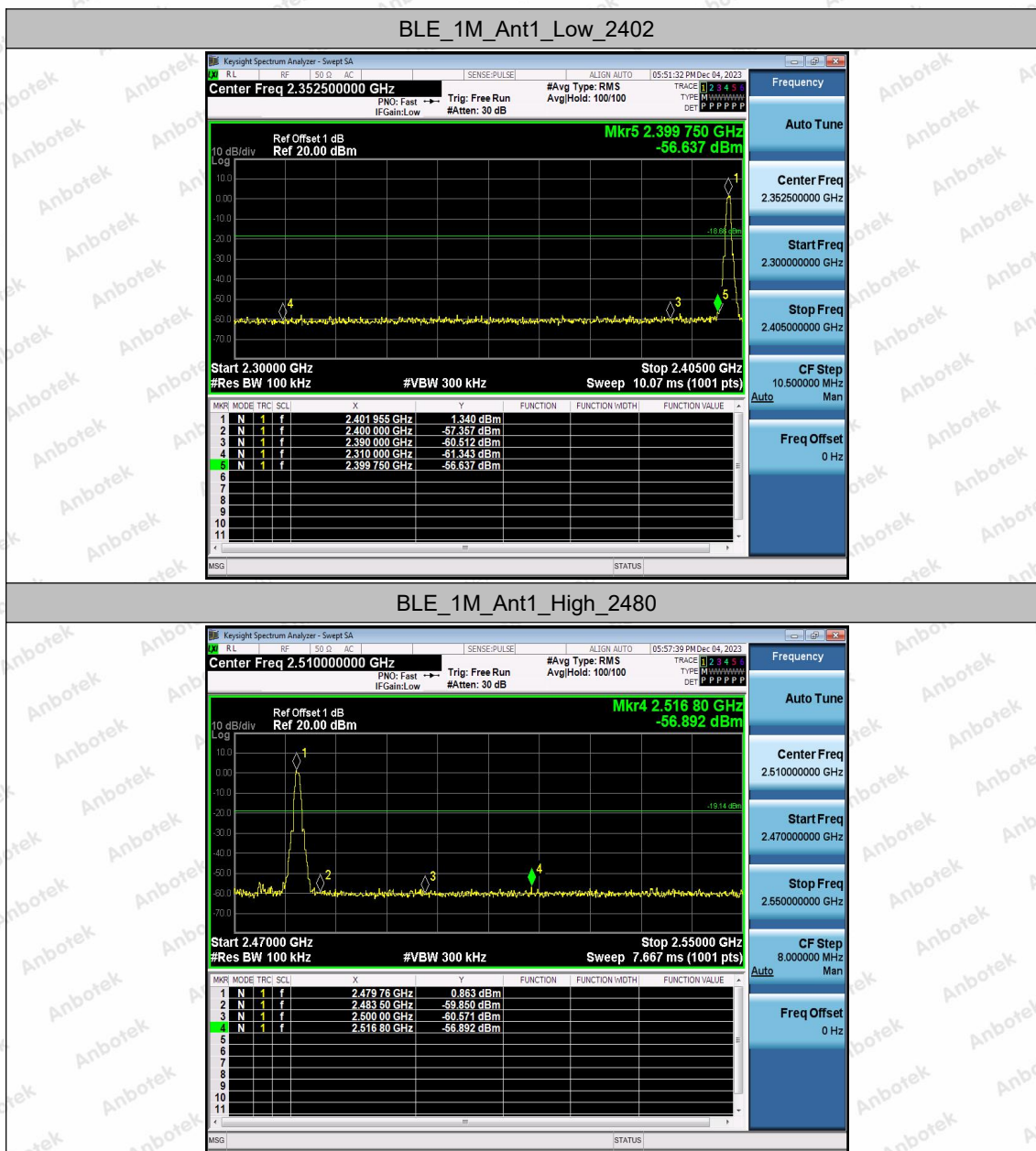
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.34	-56.64	≤-18.66	PASS
		High	2480	0.86	-56.89	≤-19.14	PASS



Test Graphs



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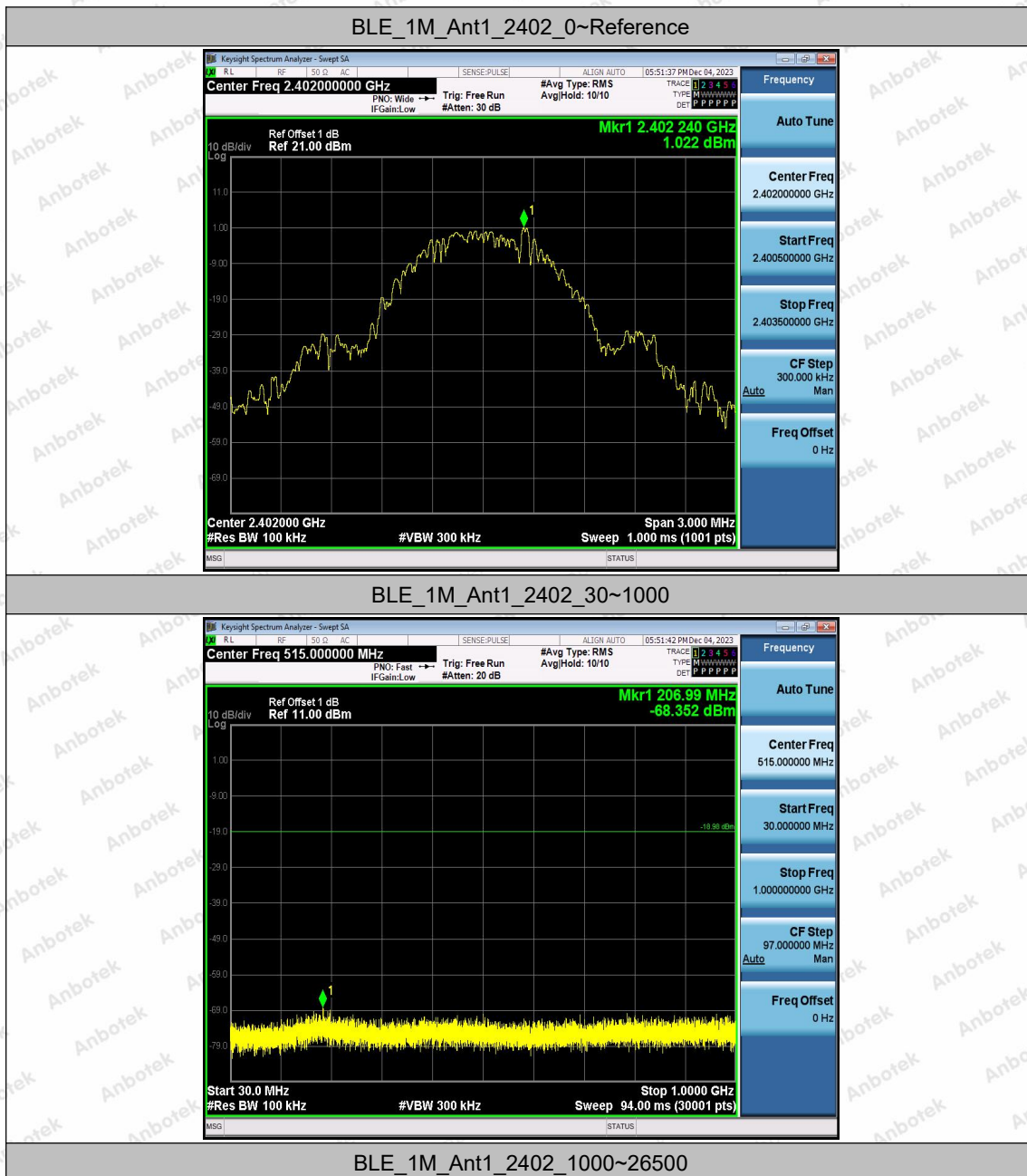
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.02	1.02	---	PASS
			30~1000	1.02	-68.35	≤-18.98	PASS
			1000~26500	1.02	-53.79	≤-18.98	PASS
		2440	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-69.37	≤-19.31	PASS
			1000~26500	0.69	-53.49	≤-19.31	PASS
		2480	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-69.02	≤-20.29	PASS
			1000~26500	-0.29	-52.9	≤-20.29	PASS



Test Graphs



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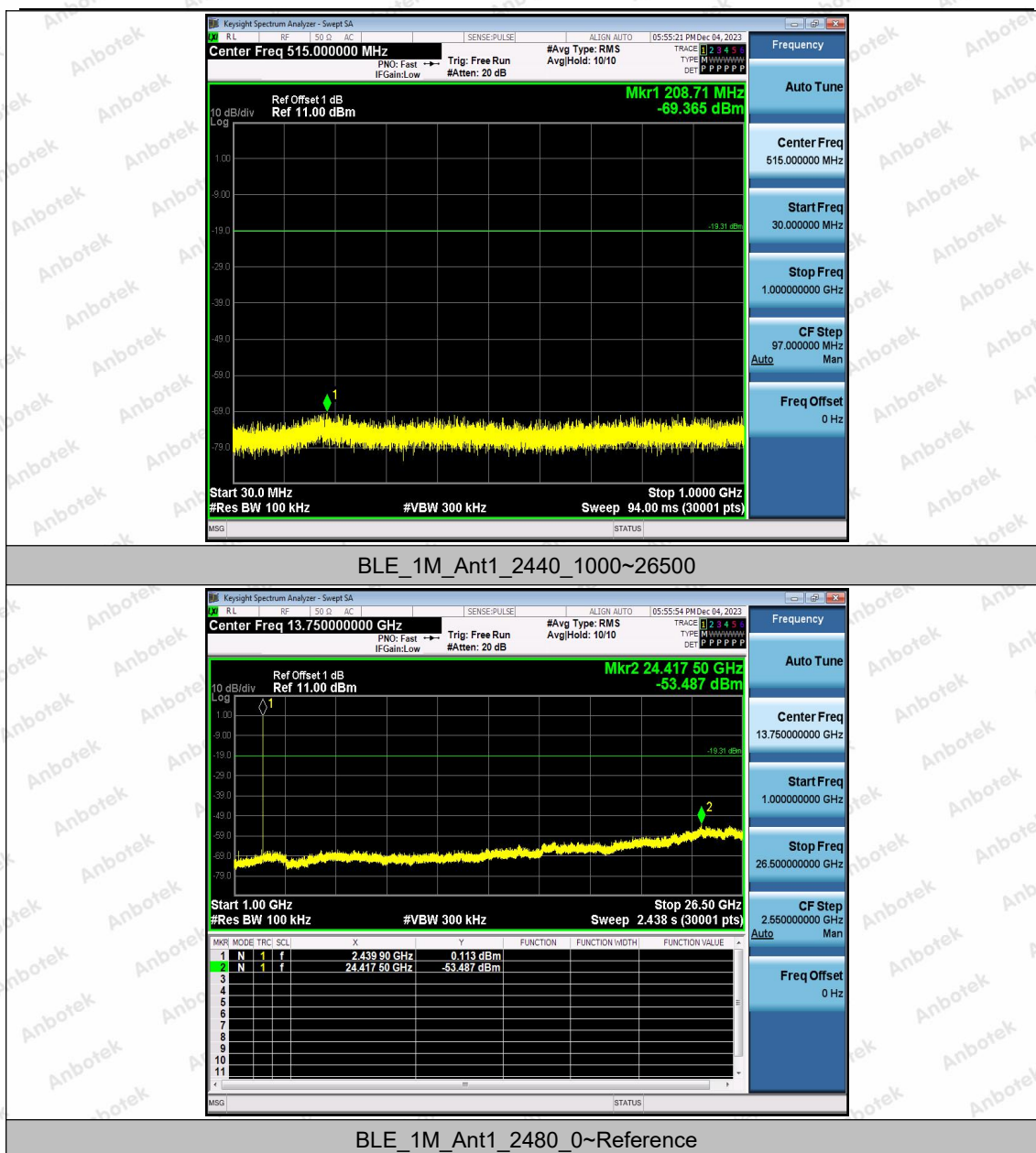


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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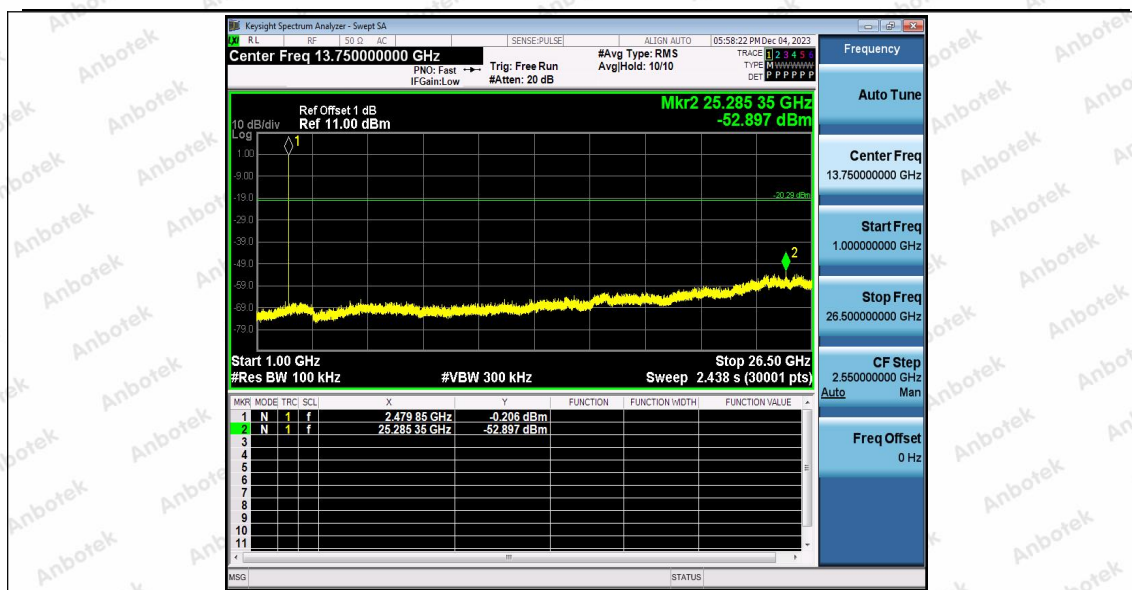
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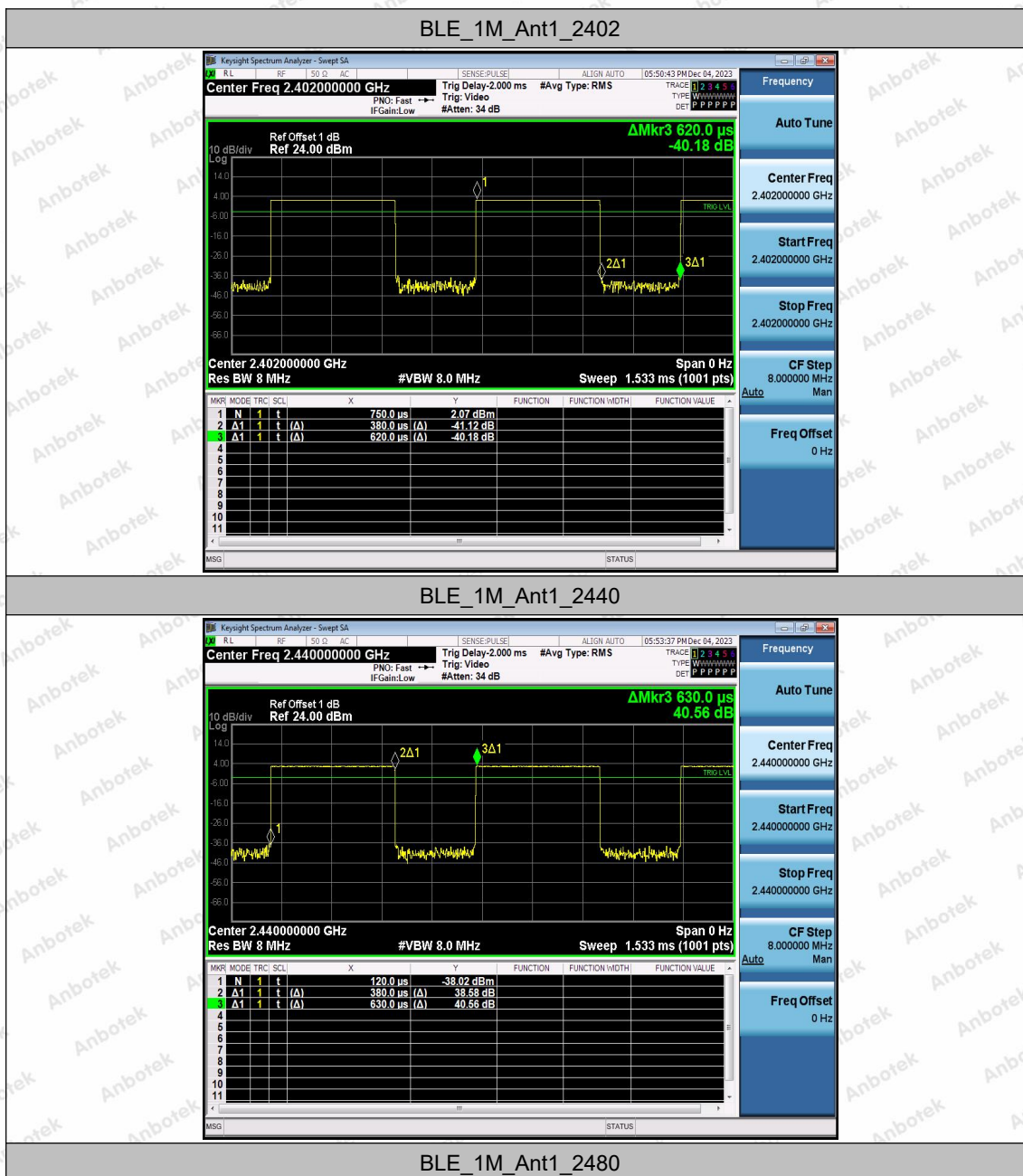
Appendix G: Duty Cycle

Test Result

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



Test Graphs



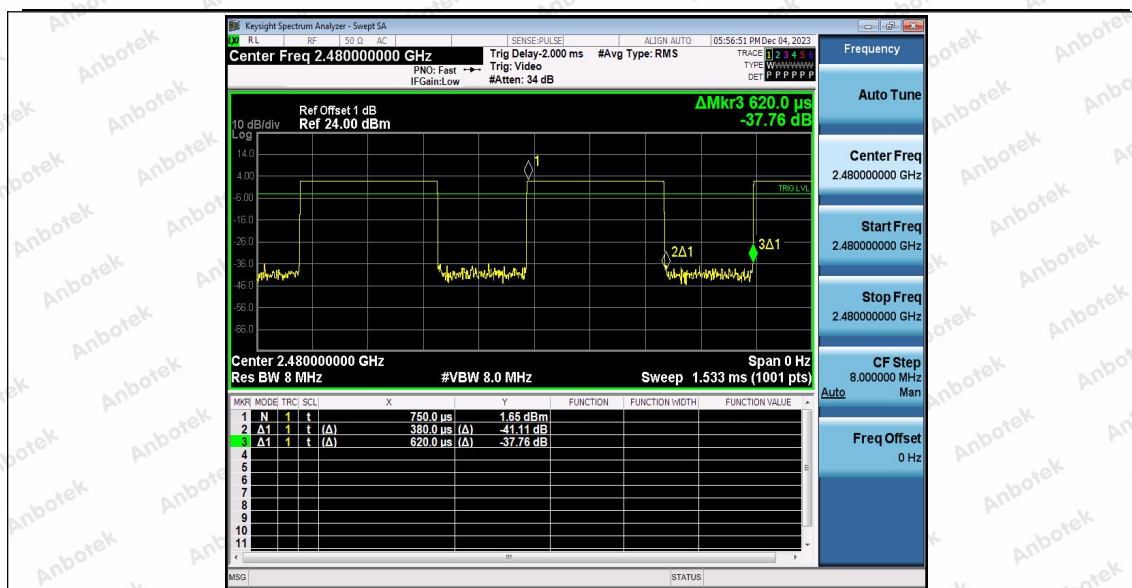
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