

Appendix Test Data

Report No.:	18220WC30249002	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:	44%
Pressure:	101kPa		

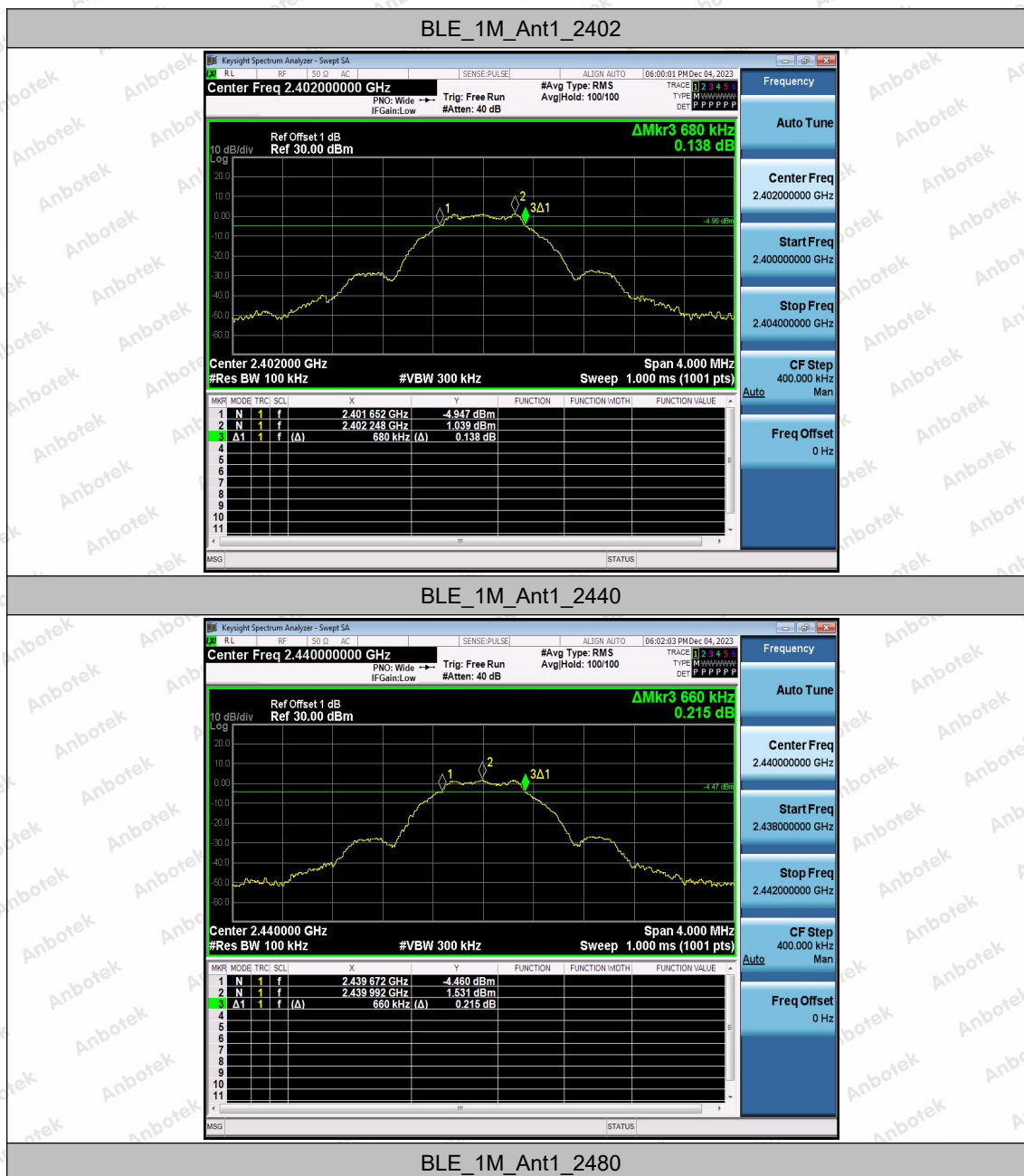
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.652	2402.332	0.5	PASS
		2440	0.660	2439.672	2440.332	0.5	PASS
		2480	0.704	2479.640	2480.344	0.5	PASS



Test Graphs



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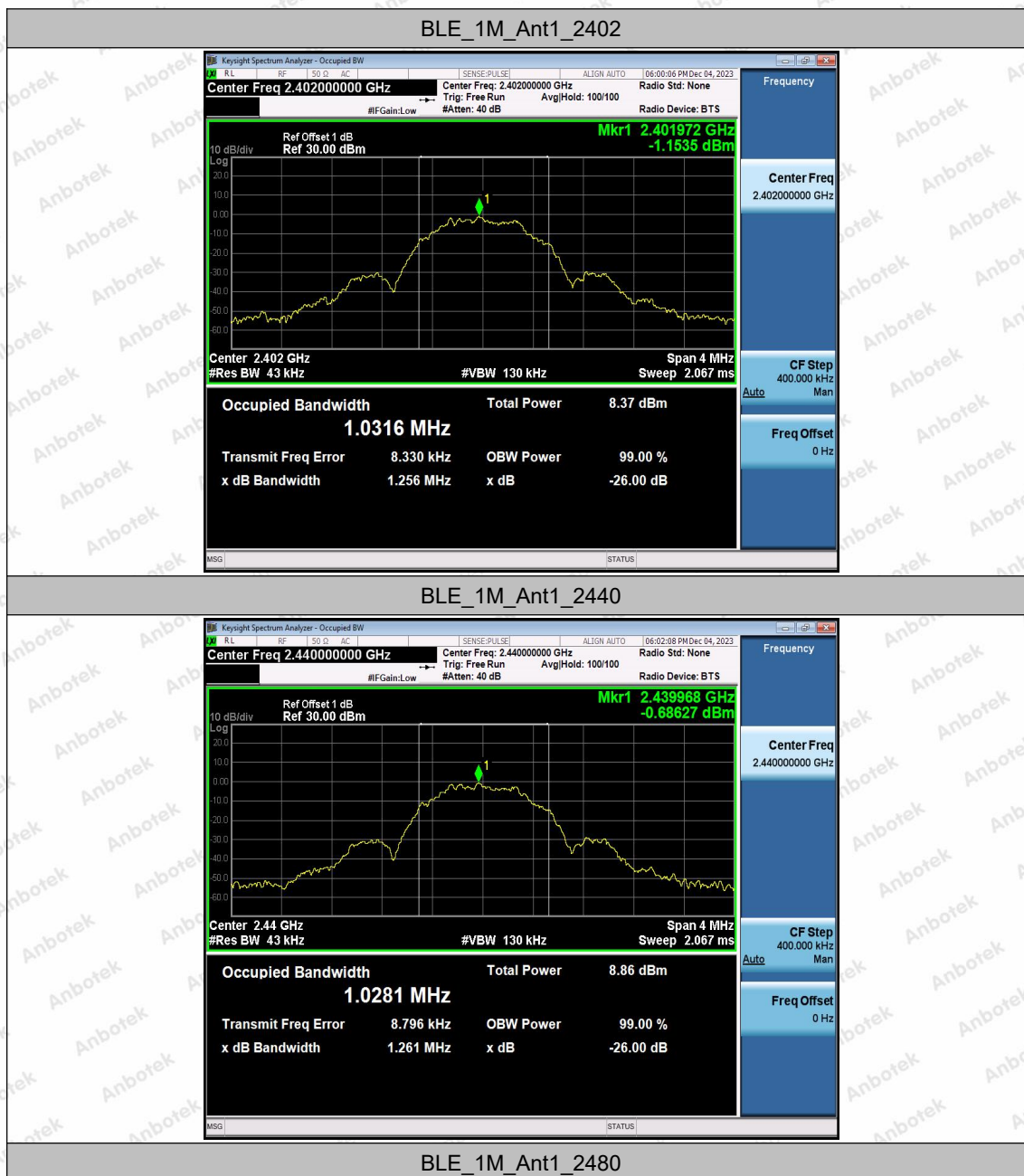
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0316	2401.4925	2402.5241
		2440	1.0281	2439.4948	2440.5229
		2480	1.0267	2479.4934	2480.5201



Test Graphs



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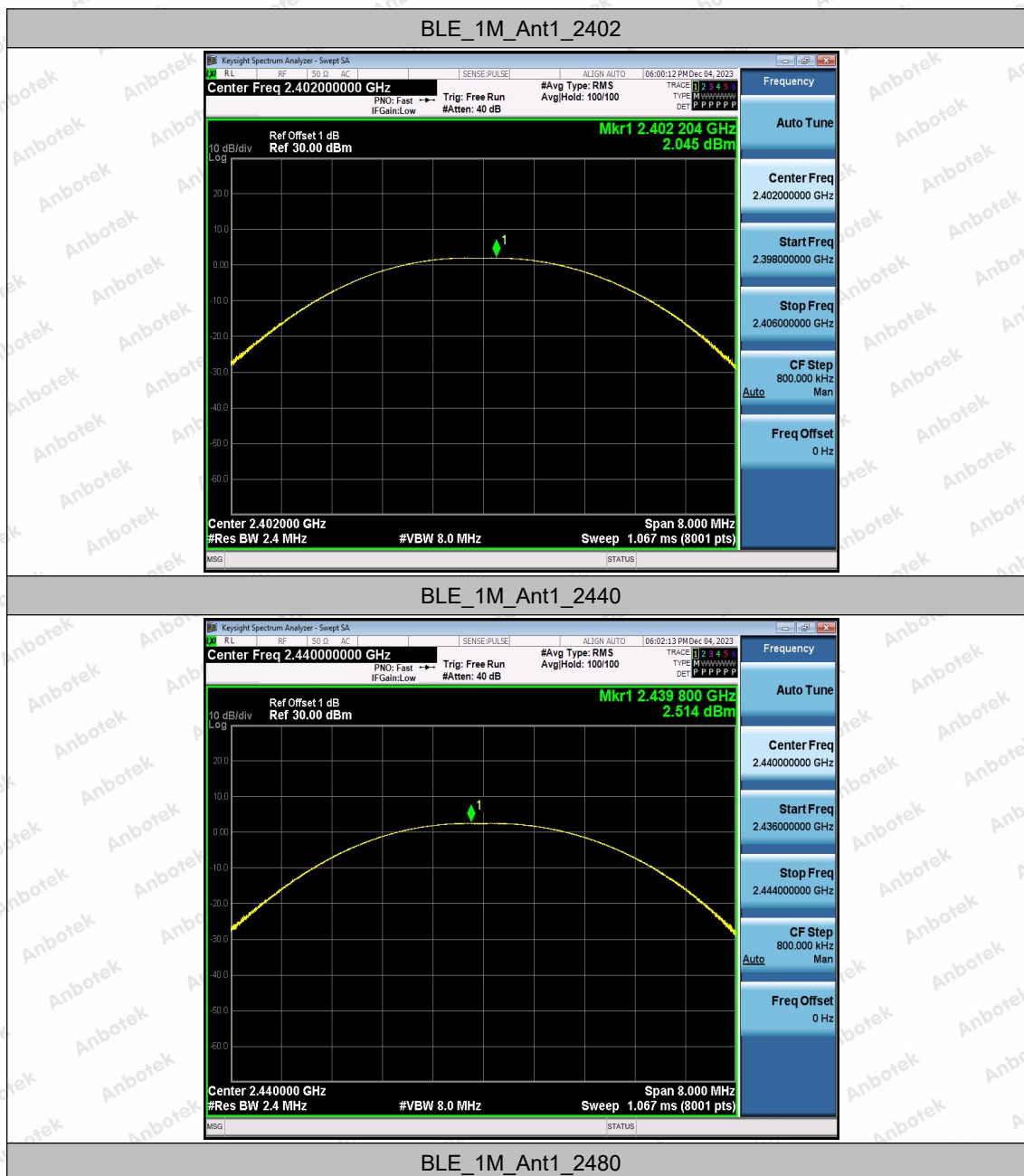
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.05	≤30	PASS
		2440	2.51	≤30	PASS
		2480	1.66	≤30	PASS



Test Graphs Peak



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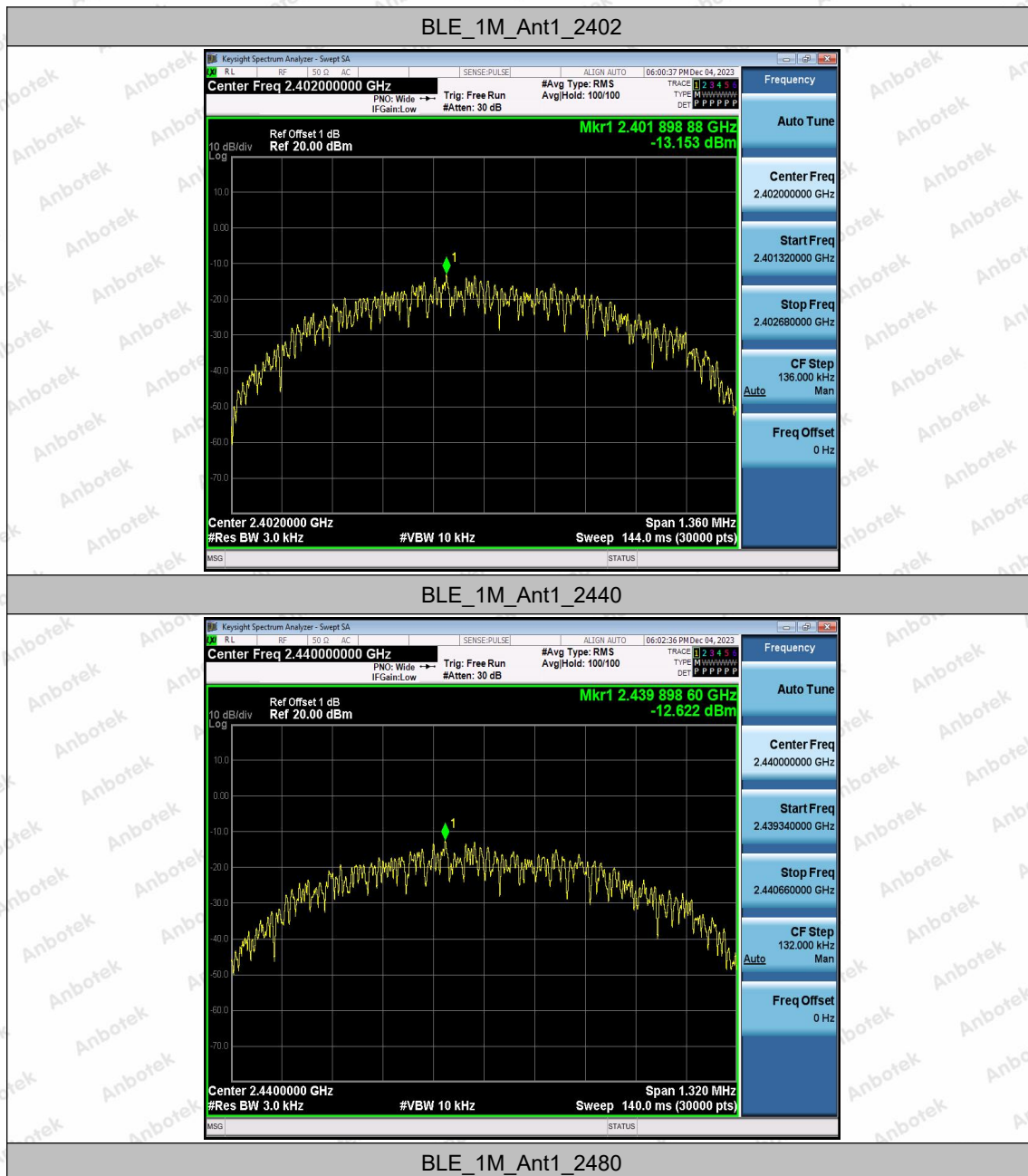
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.15	≤8.00	PASS
		2440	-12.62	≤8.00	PASS
		2480	-13.48	≤8.00	PASS



Test Graphs



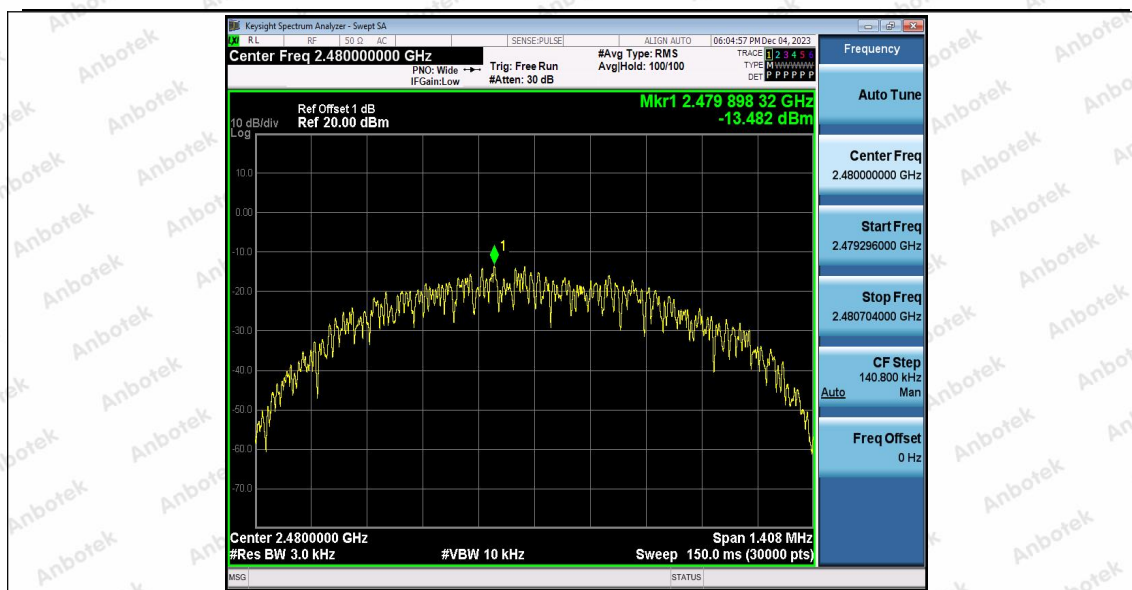
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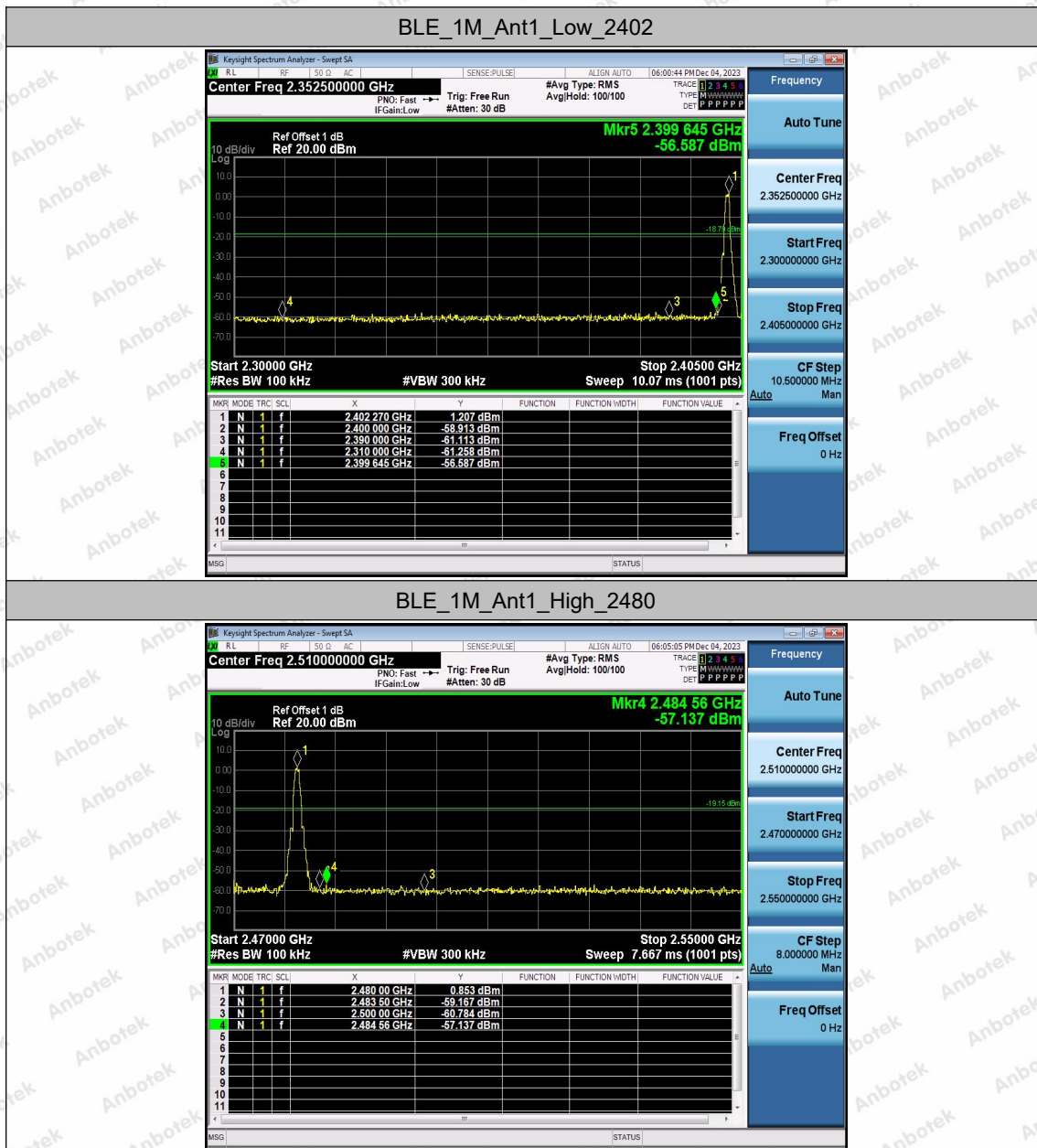
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.21	-56.59	≤-18.79	PASS
		High	2480	0.85	-57.14	≤-19.15	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	0.97	0.97	---	PASS
			30~1000	0.97	-68.73	≤-19.03	PASS
			1000~26500	0.97	-54.02	≤-19.03	PASS
		2440	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-68.67	≤-18.67	PASS
			1000~26500	1.33	-53.76	≤-18.67	PASS
		2480	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-68.96	≤-20.52	PASS
			1000~26500	-0.52	-53.87	≤-20.52	PASS



Test Graphs



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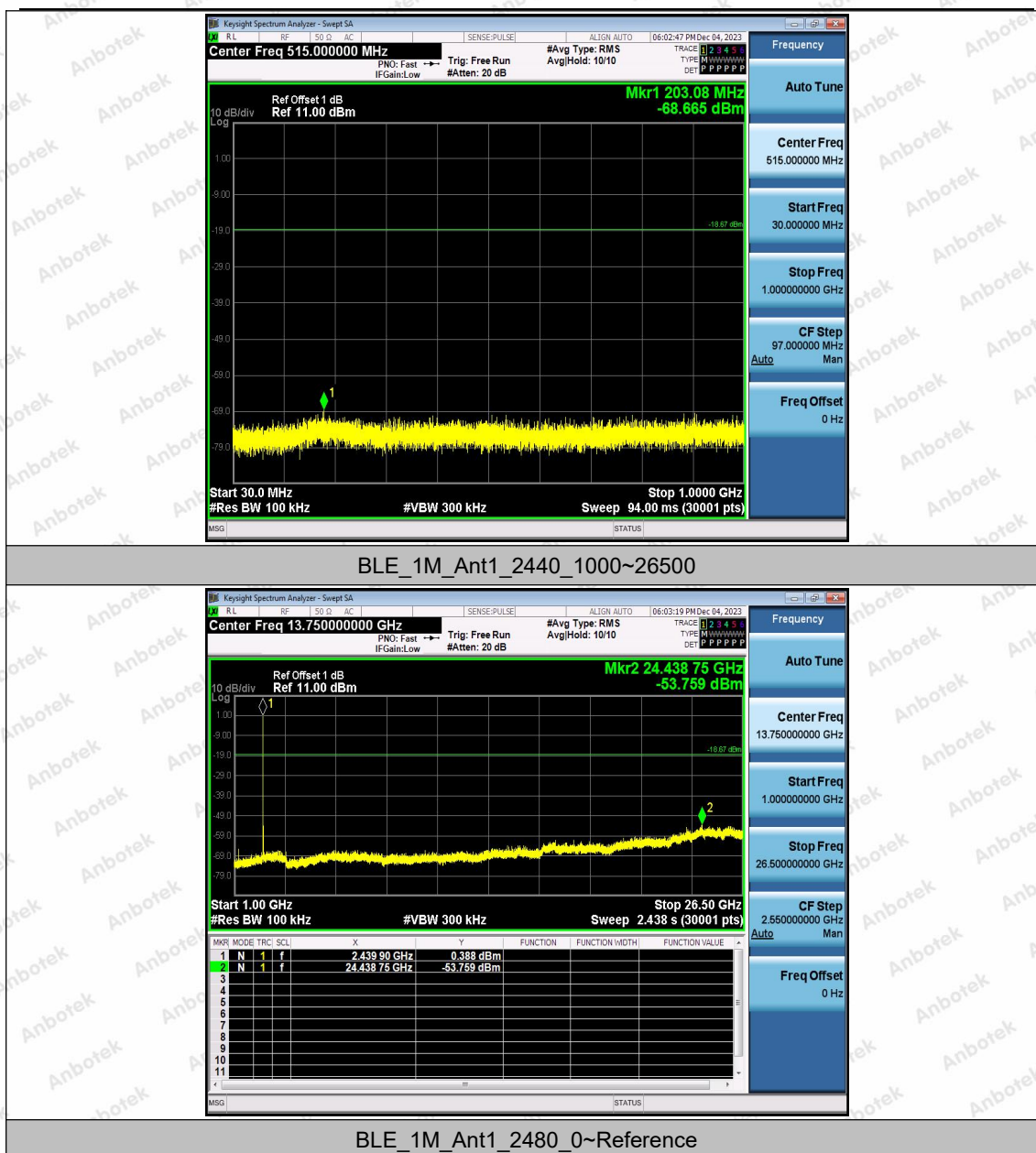


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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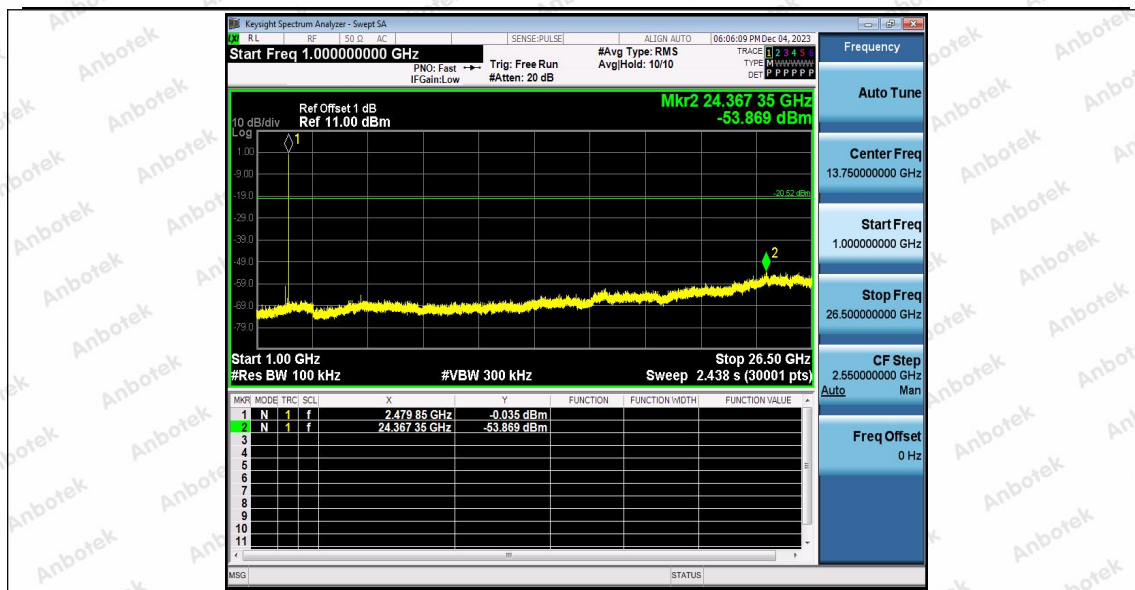
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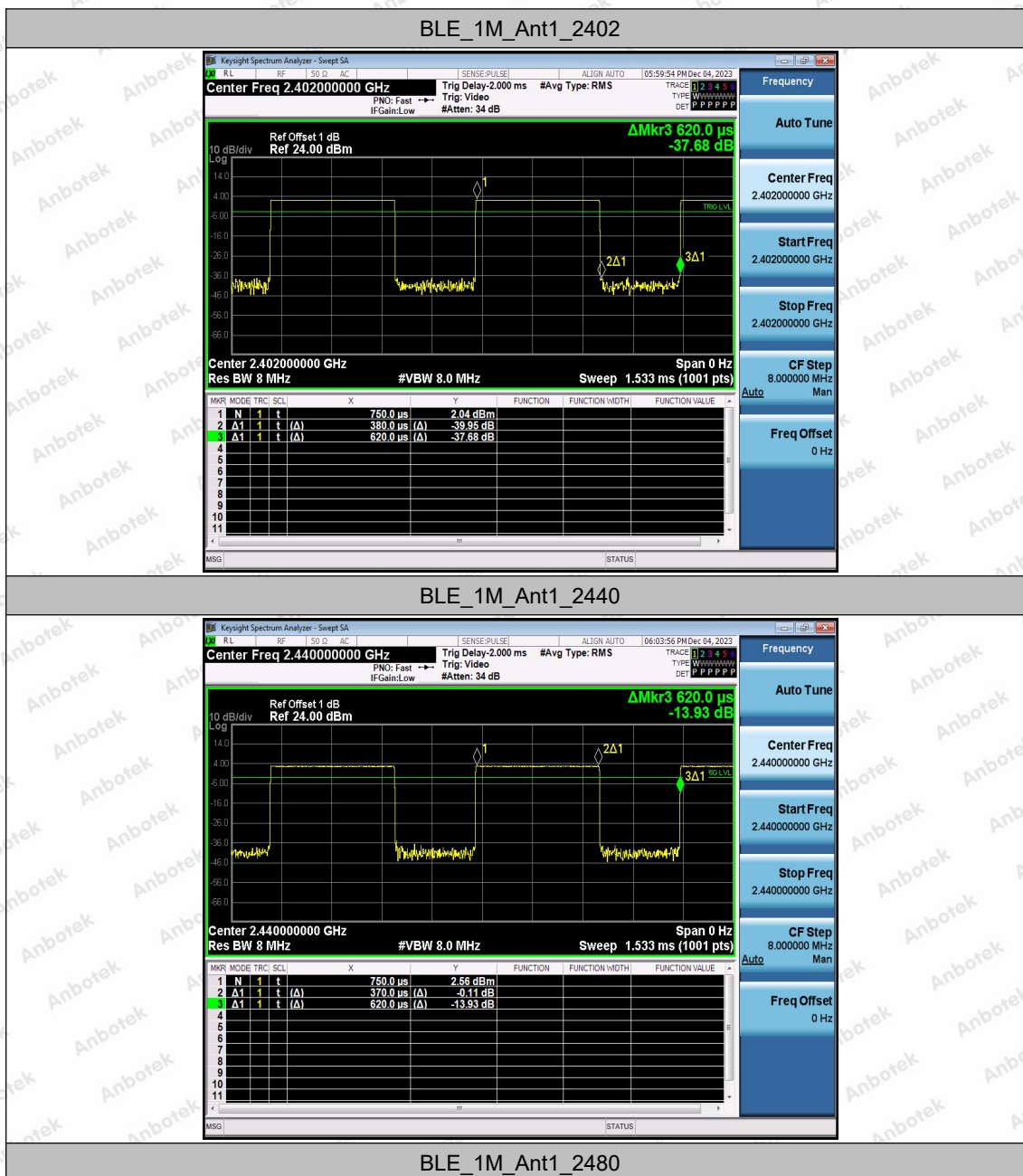
Appendix G: Duty Cycle

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	0.37	0.62	59.68	2.24
		2480	0.38	0.63	60.32	2.20



Test Graphs



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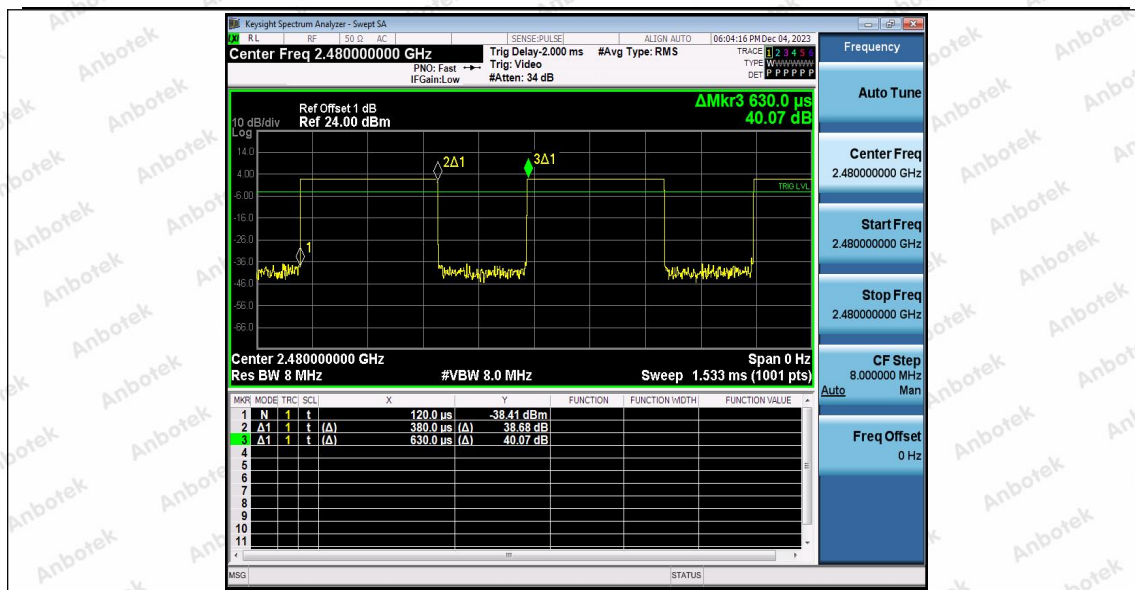


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