

Appendix Test Data

Report No.:	18220WC30257501	Test Sample No.:	1-2-2
Start Test Date:	2023.12.07	Finish Test Date:	2023.12.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.4°C	Relative Humidity:	45%
Pressure:	101kPa		

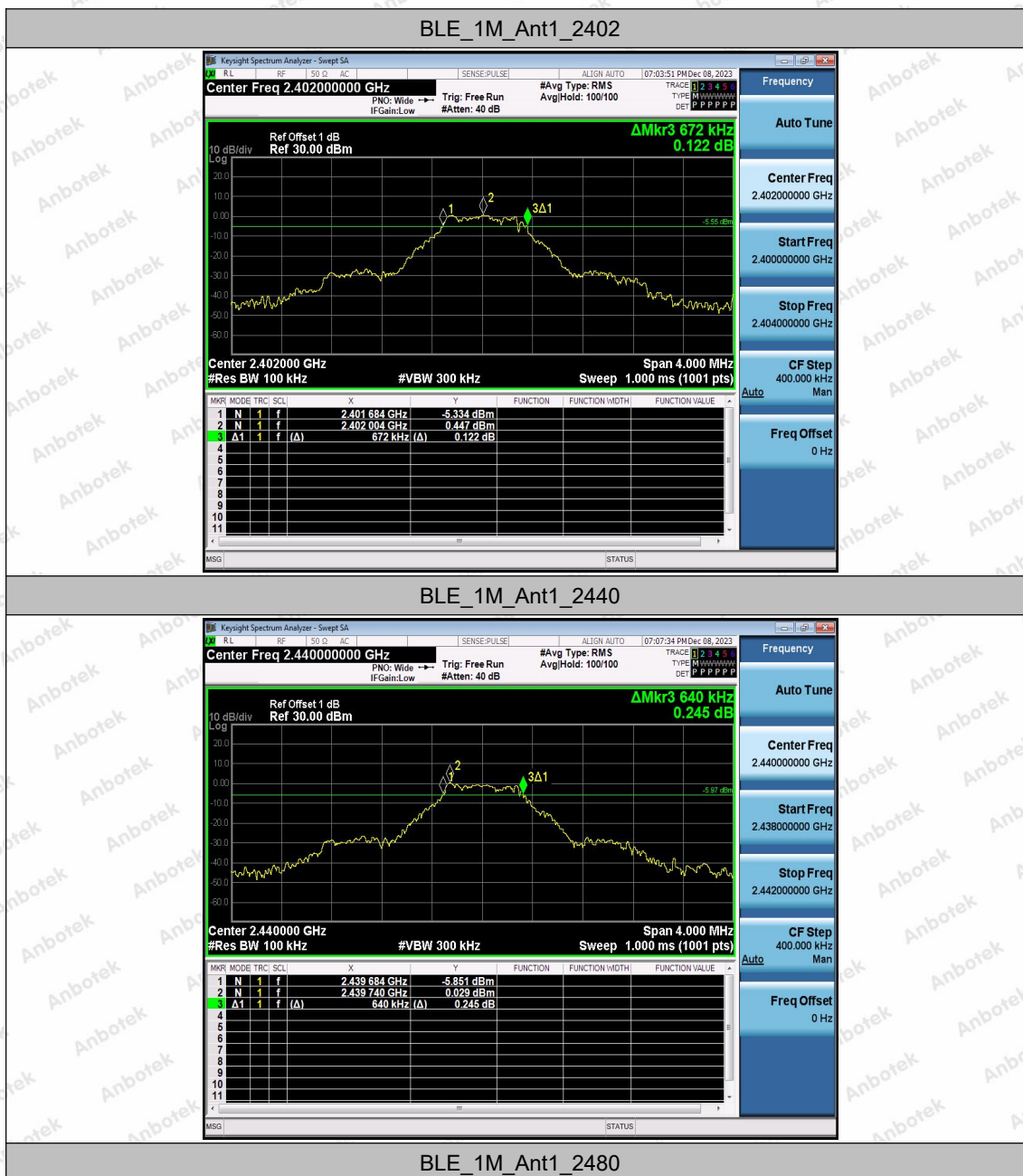
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.684	2402.356	0.5	PASS
		2440	0.640	2439.684	2440.324	0.5	PASS
		2480	0.664	2479.676	2480.340	0.5	PASS



Test Graphs



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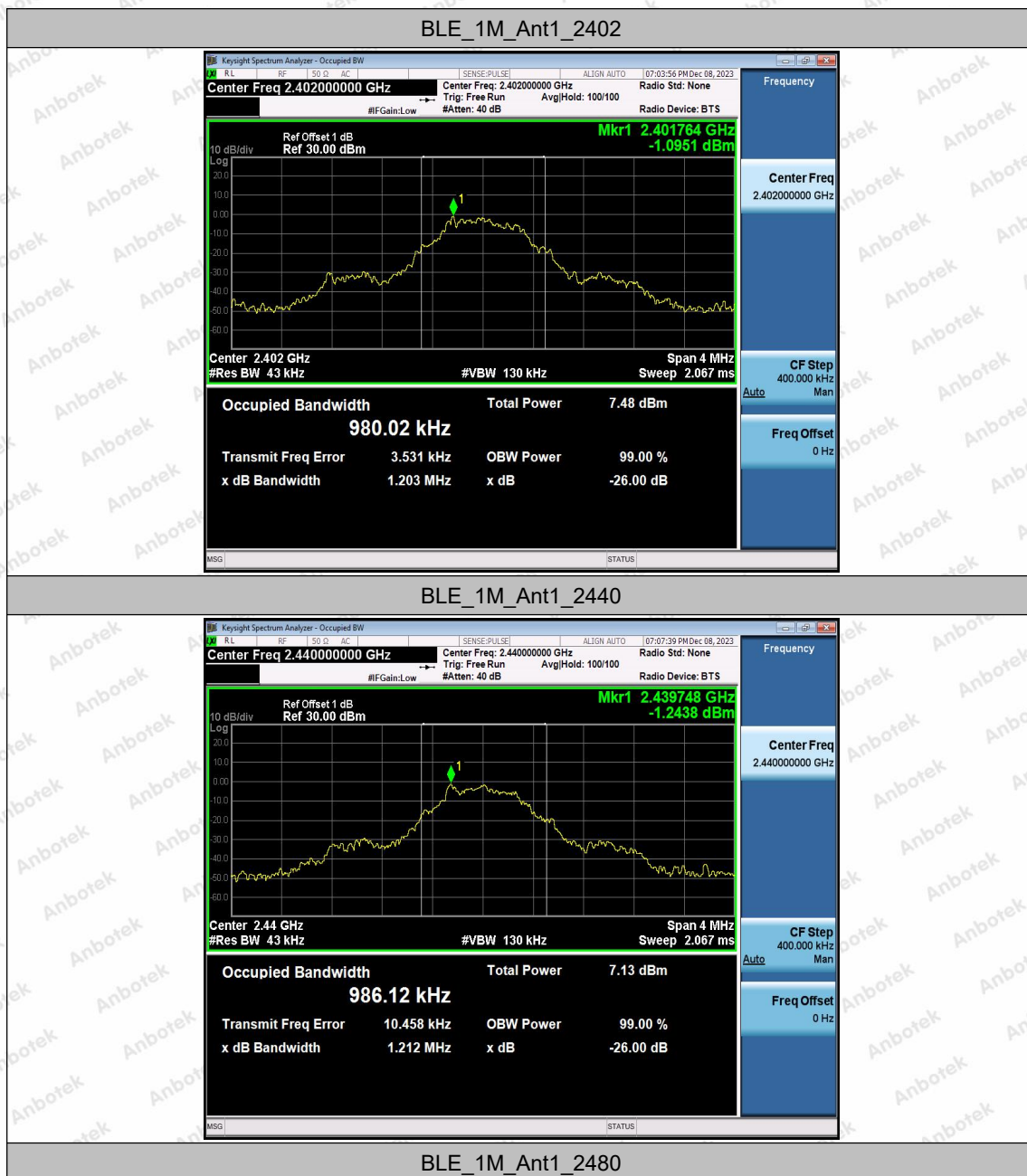


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	0.98002	2401.5135	2402.4935
		2440	0.98612	2439.5174	2440.5035
		2480	0.96457	2479.5136	2480.4782

Test Graphs



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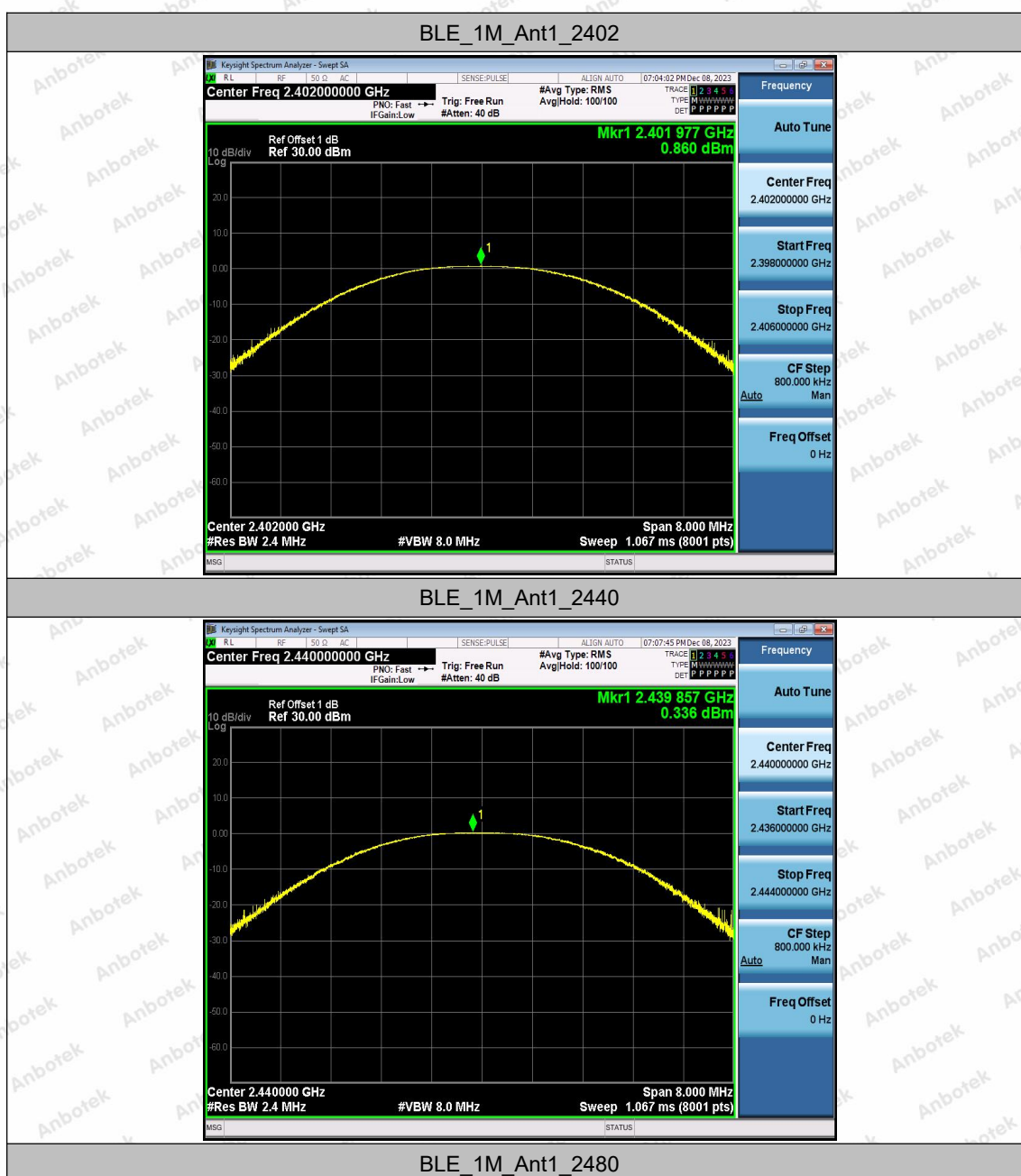


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.86	≤30	PASS
		2440	0.34	≤30	PASS
		2480	0.09	≤30	PASS

Test Graphs Peak



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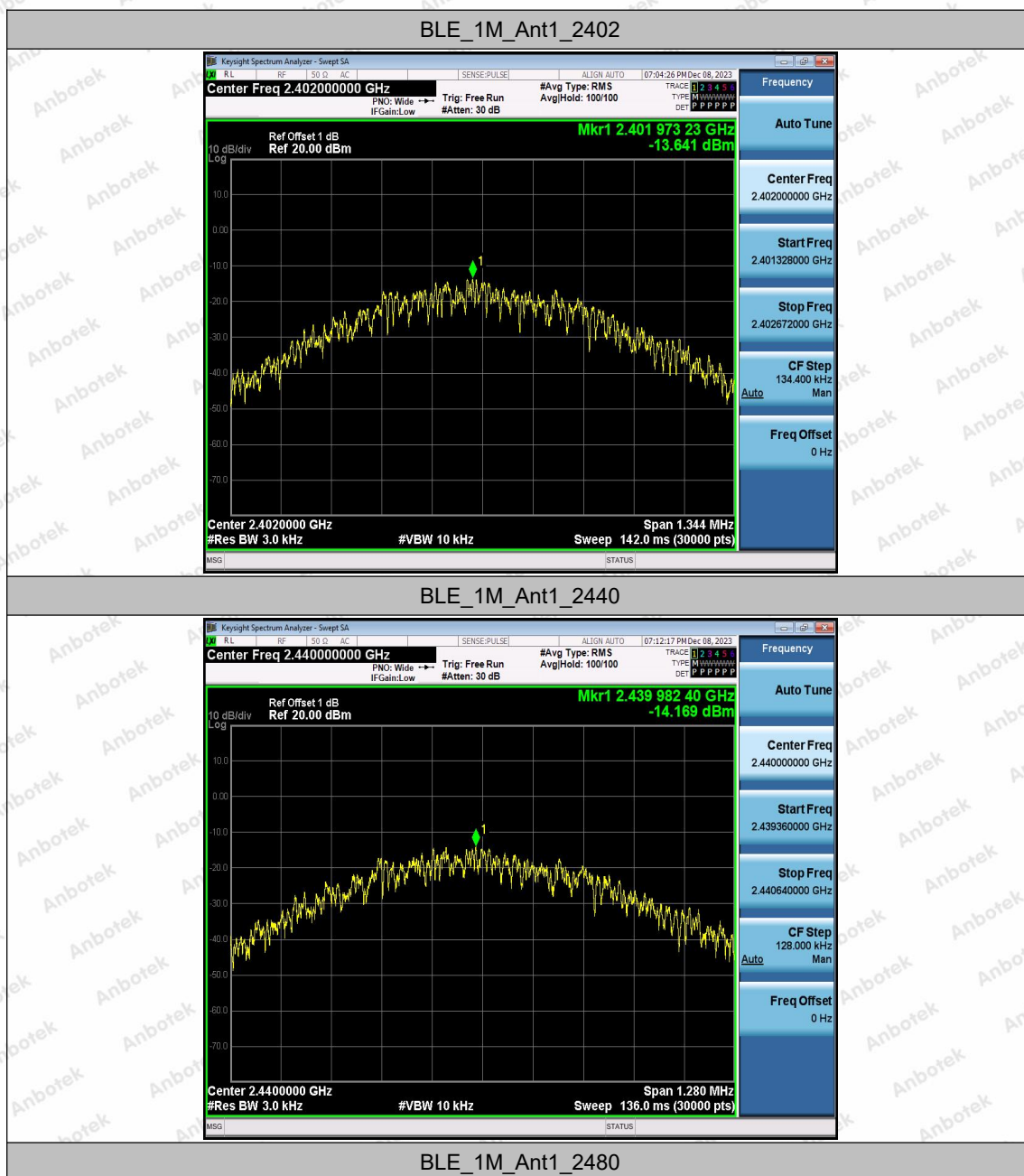


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.64	≤8.00	PASS
		2440	-14.17	≤8.00	PASS
		2480	-14.24	≤8.00	PASS

Test Graphs



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.51	-36.84	≤-19.49	PASS
		High	2480	-0.26	-39.02	≤-20.26	PASS

Test Graphs



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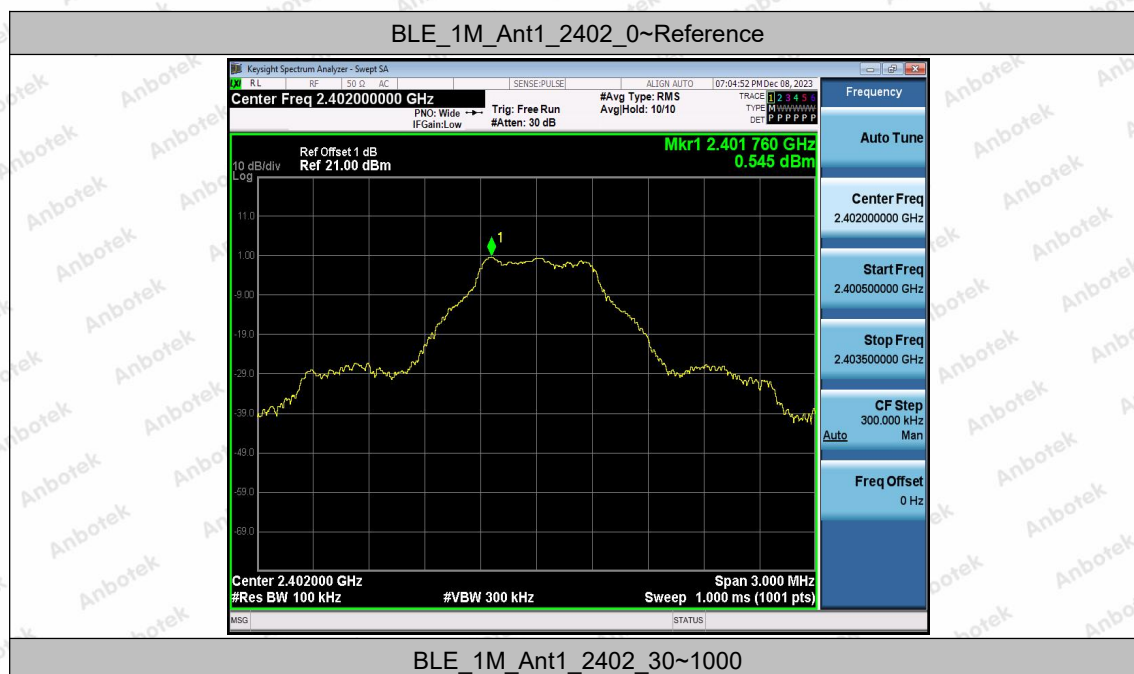


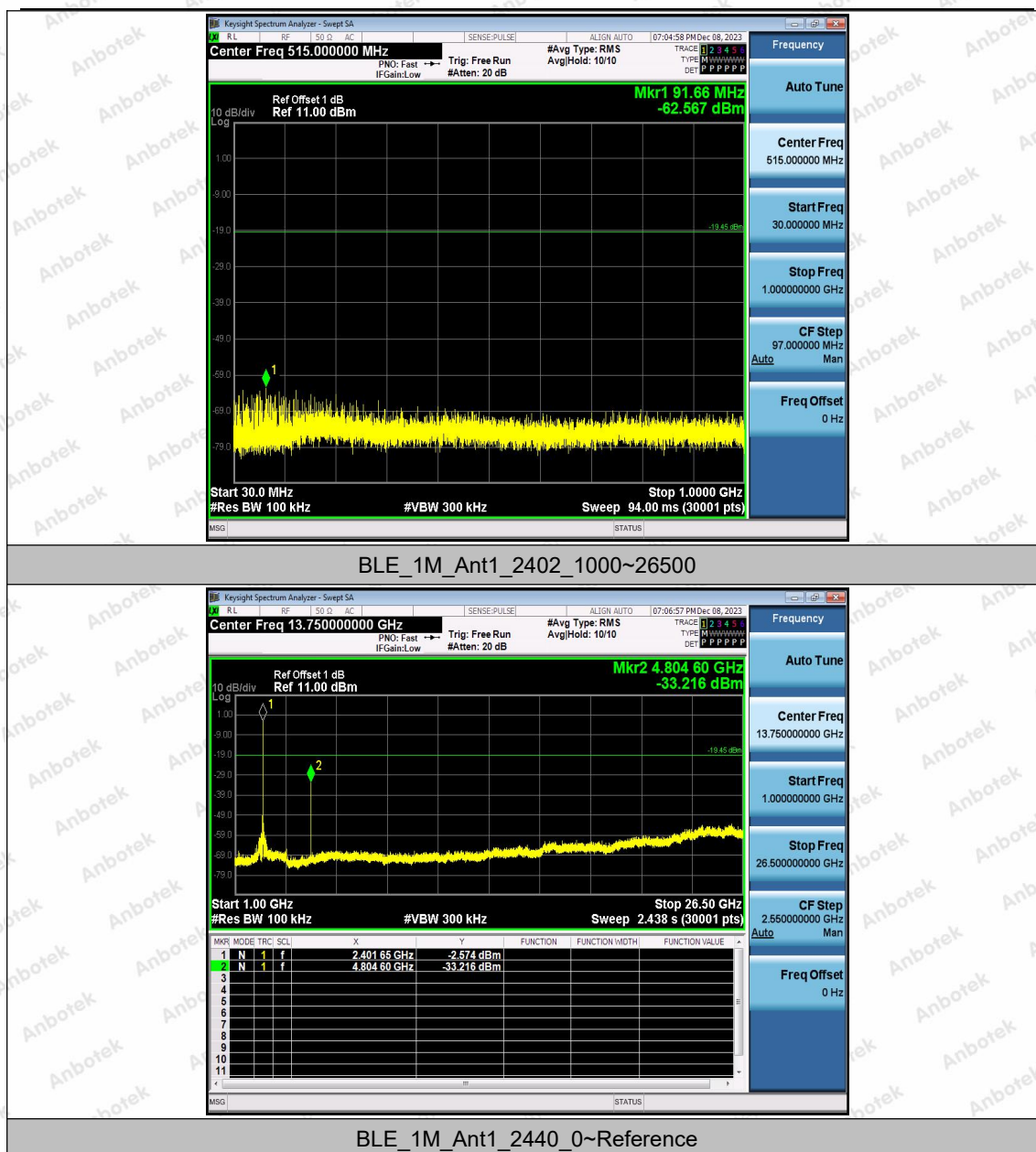
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-62.57	≤-19.45	PASS
			1000~26500	0.55	-33.22	≤-19.45	PASS
		2440	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-62.71	≤-20.03	PASS
			1000~26500	-0.03	-34.27	≤-20.03	PASS
		2480	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-61.85	≤-20.21	PASS
			1000~26500	-0.21	-34.22	≤-20.21	PASS

Test Graphs





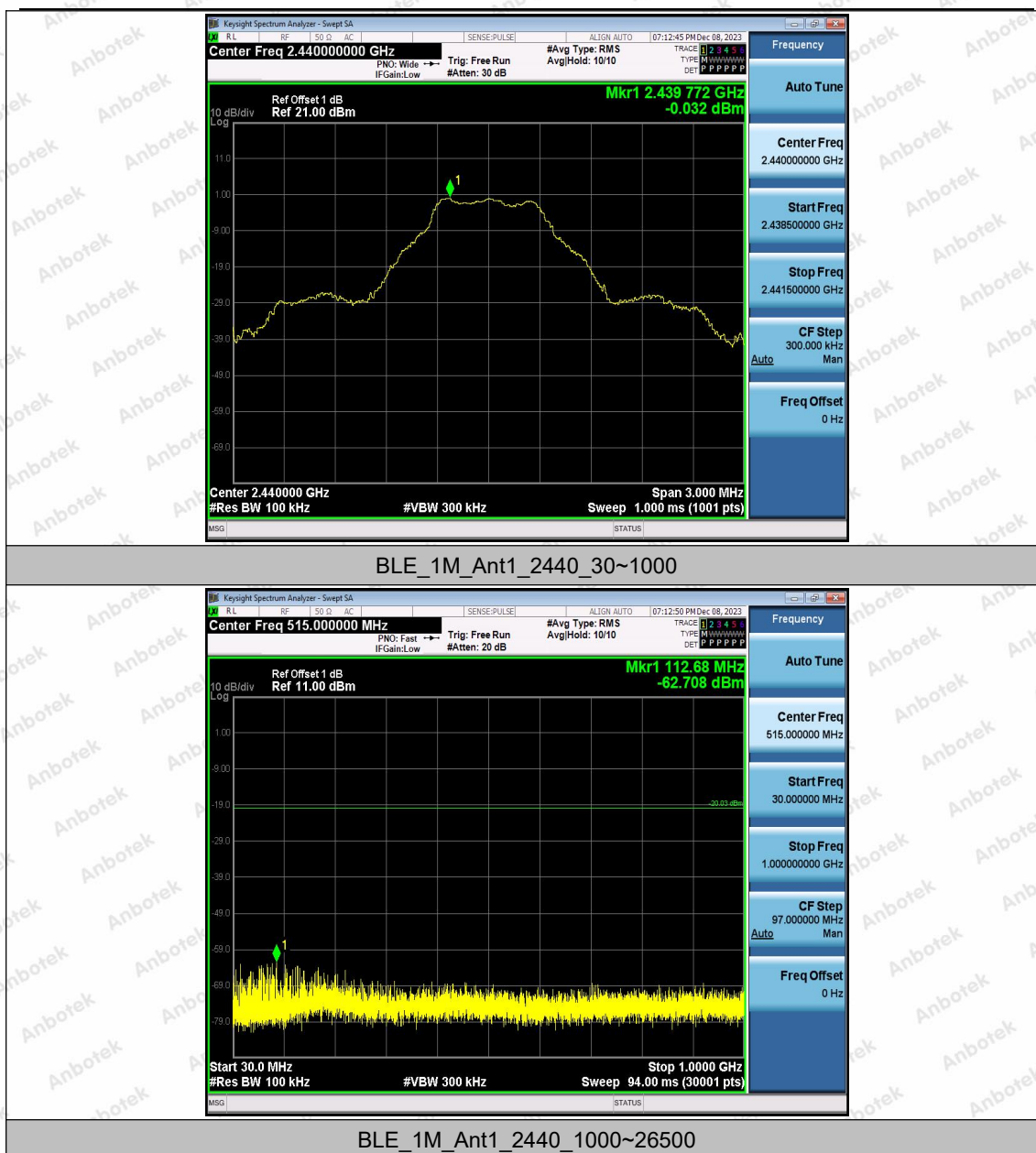
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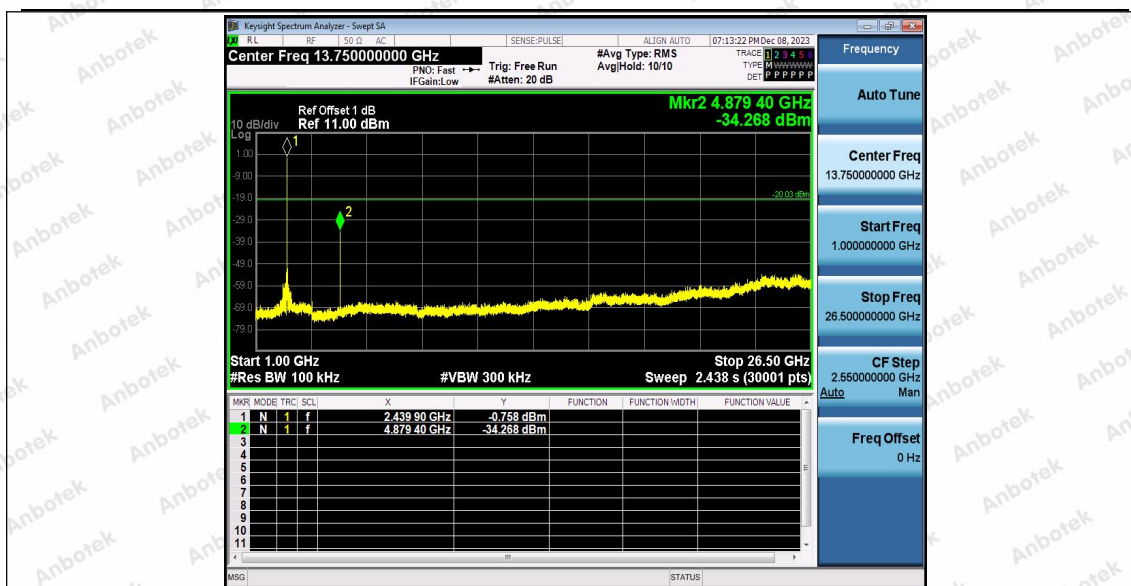
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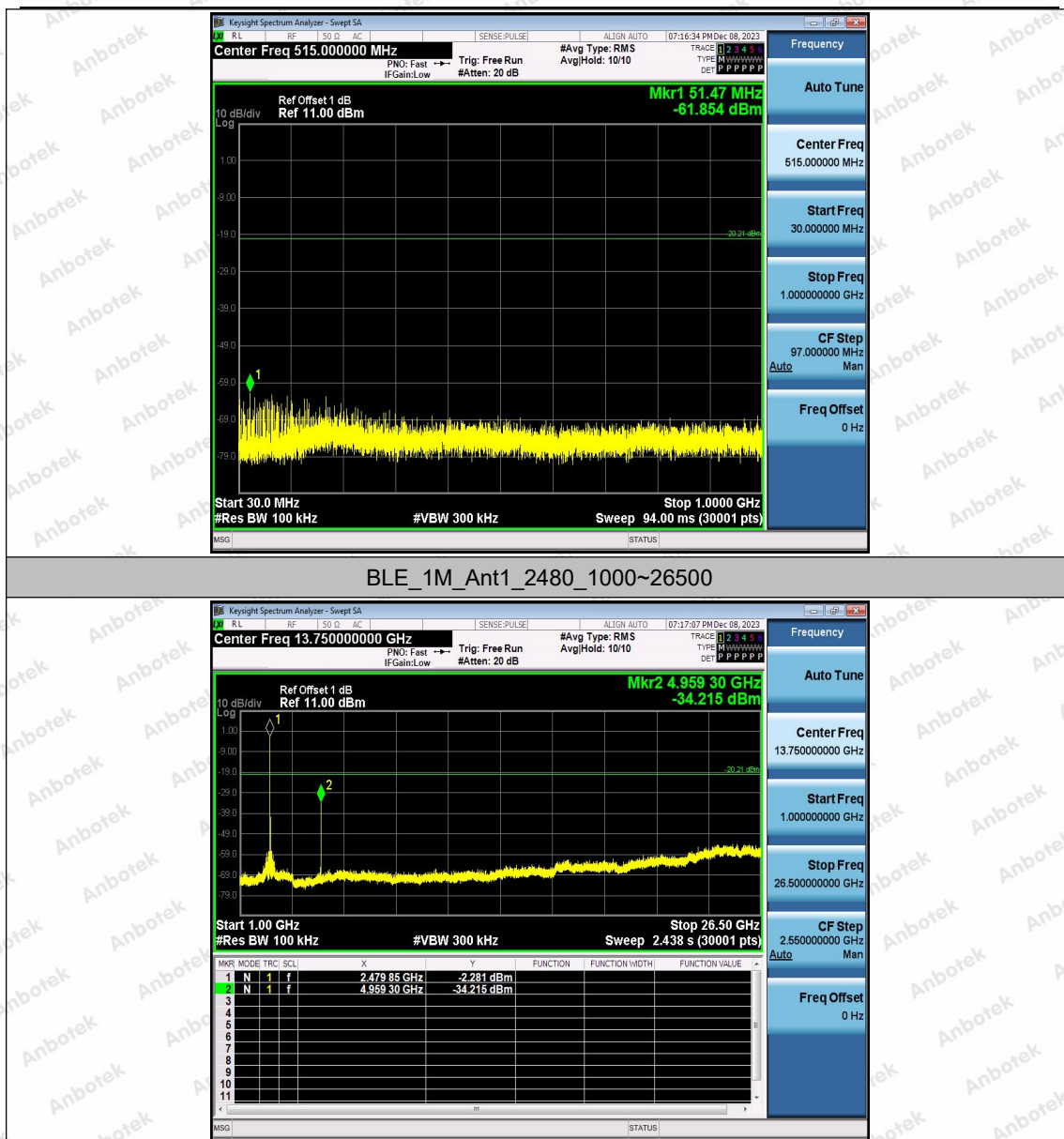


BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000





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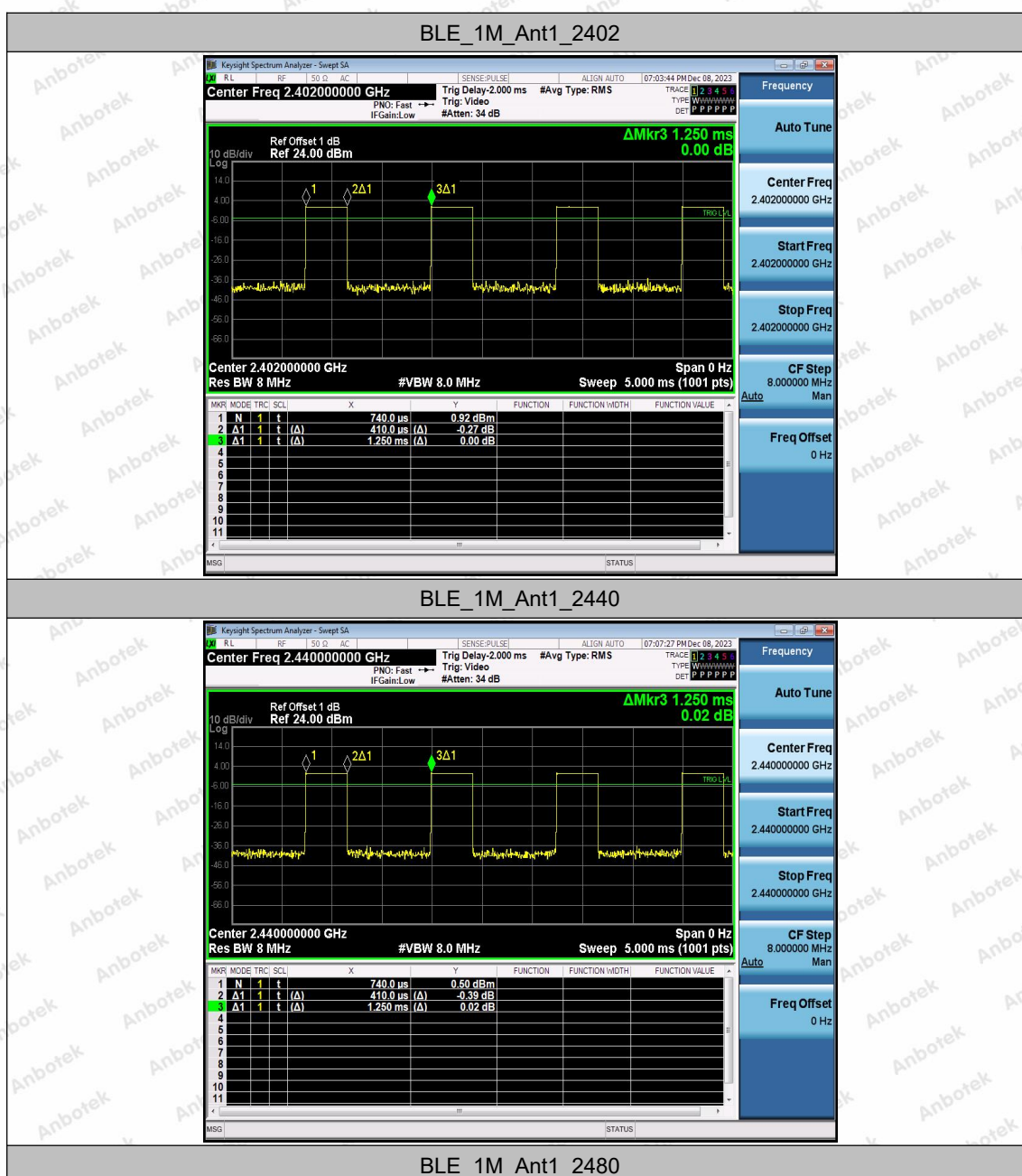


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	1.25	32.80	4.84
		2440	0.41	1.25	32.80	4.84
		2480	0.42	1.25	33.60	4.74

Test Graphs



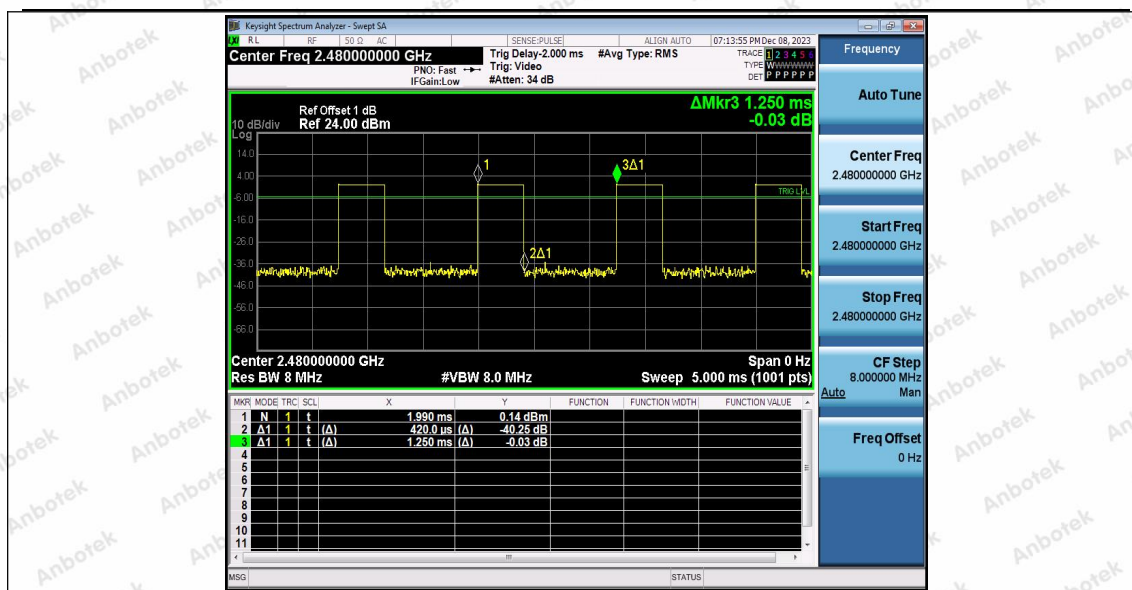
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