

Appendix Test Data

Report No.:	18220WC40045602	Test Sample No.:	1-2-2
Start Test Date:	2024.04.10	Finish Test Date:	2024.04.11
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.504	2401.744	2402.956	0.5	PASS
		2440	0.504	2439.744	2440.956	0.5	PASS
		2480	0.504	2479.748	2480.945	0.5	PASS

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Test Graphs

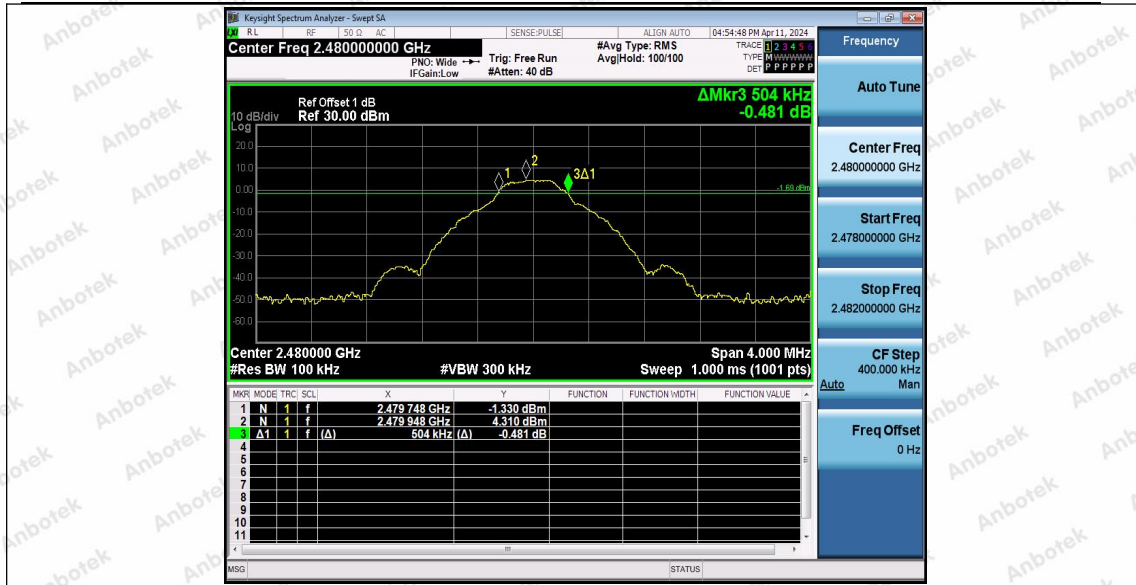


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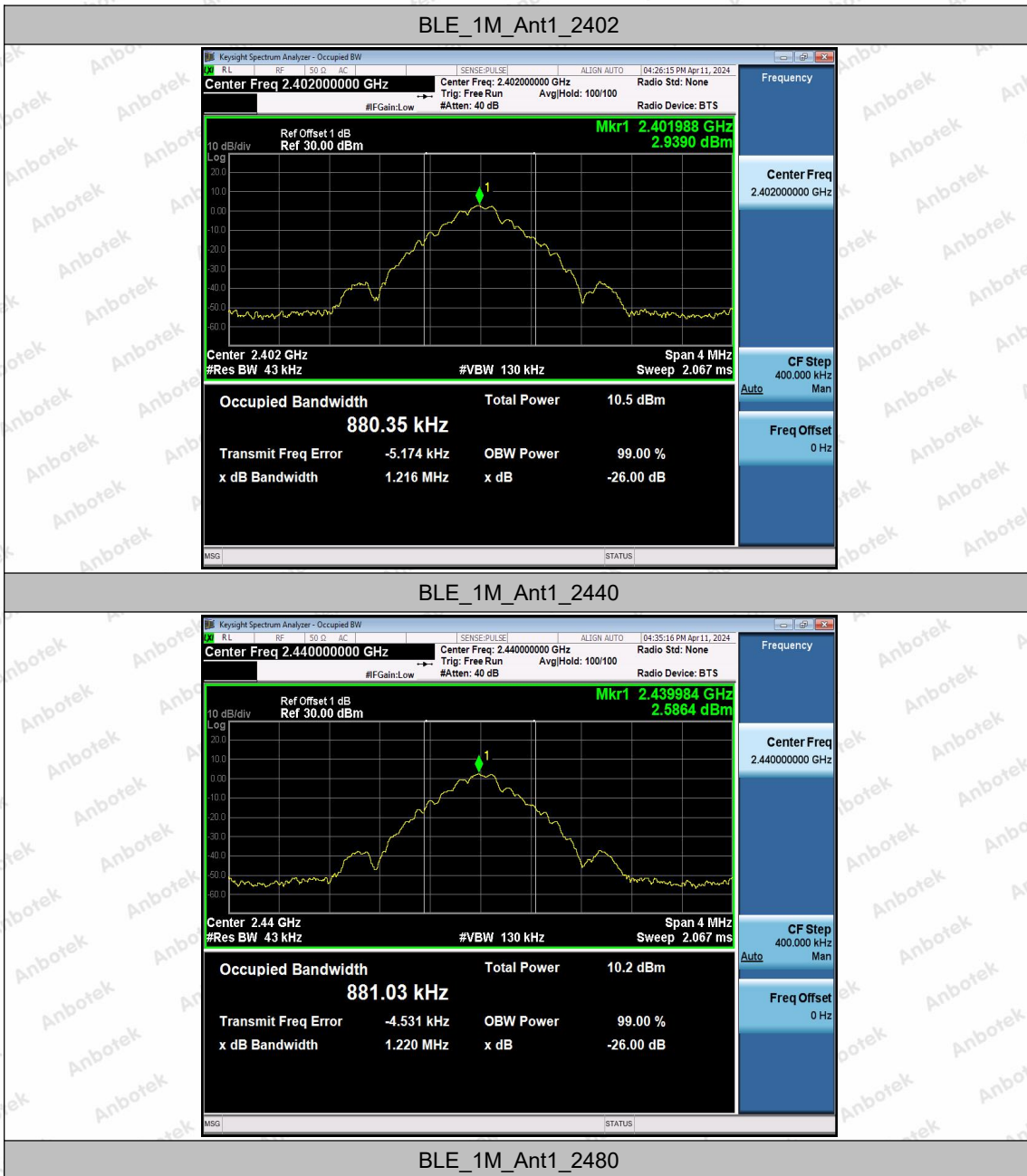
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.88035	2401.5547	2402.4350	---	---
		2440	0.88103	2439.5550	2440.4360	---	---
		2480	0.88416	2479.5521	2480.4362	---	---



Test Graphs



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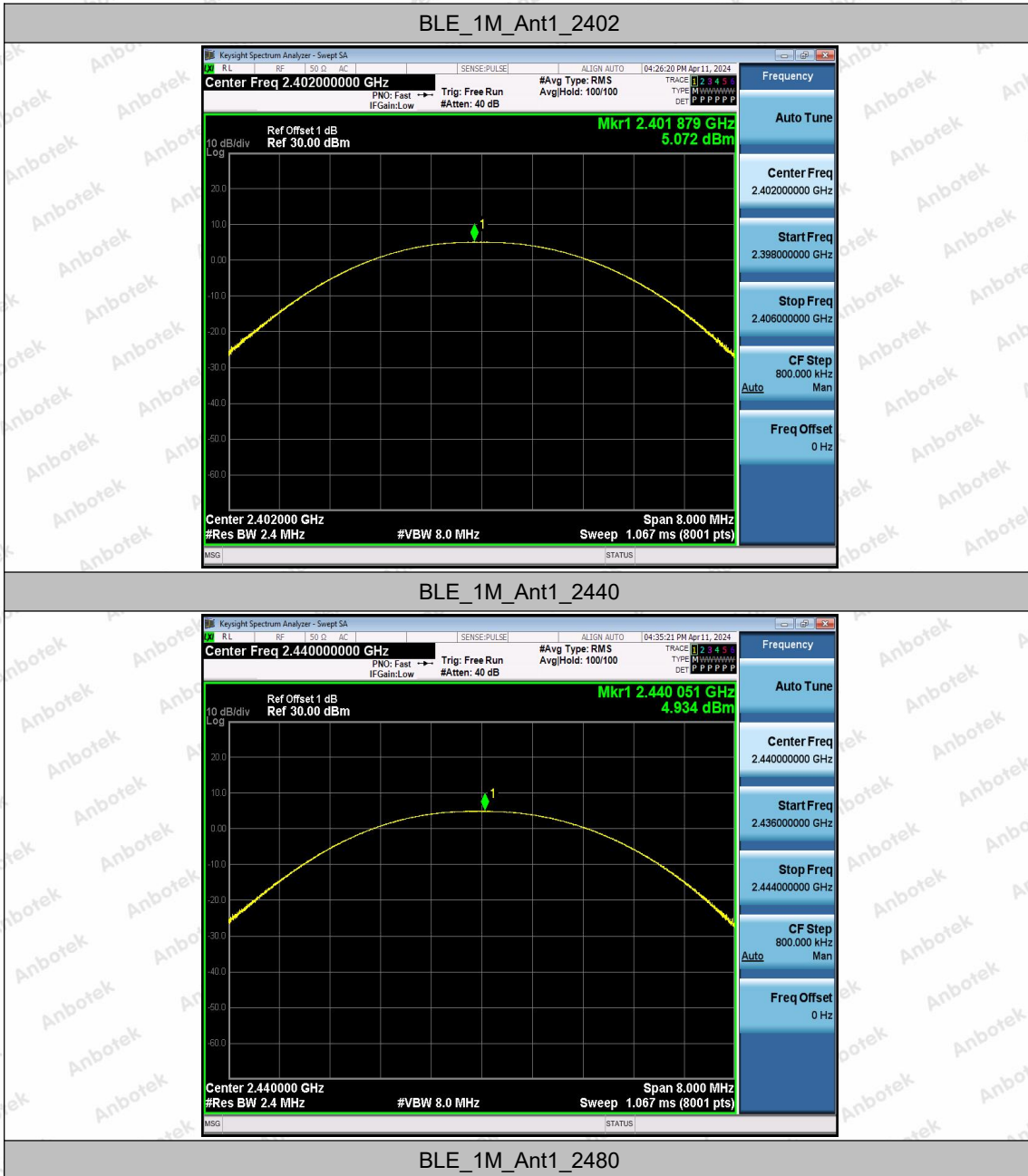
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.07	≤30	PASS
		2440	4.93	≤30	PASS
		2480	5.55	≤30	PASS



Test Graphs Peak

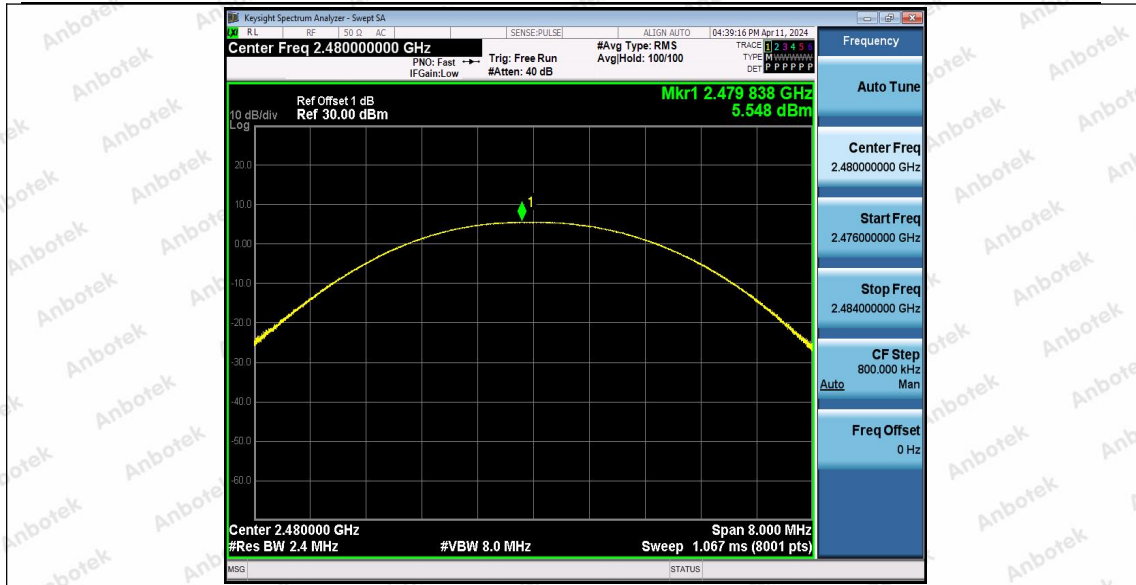


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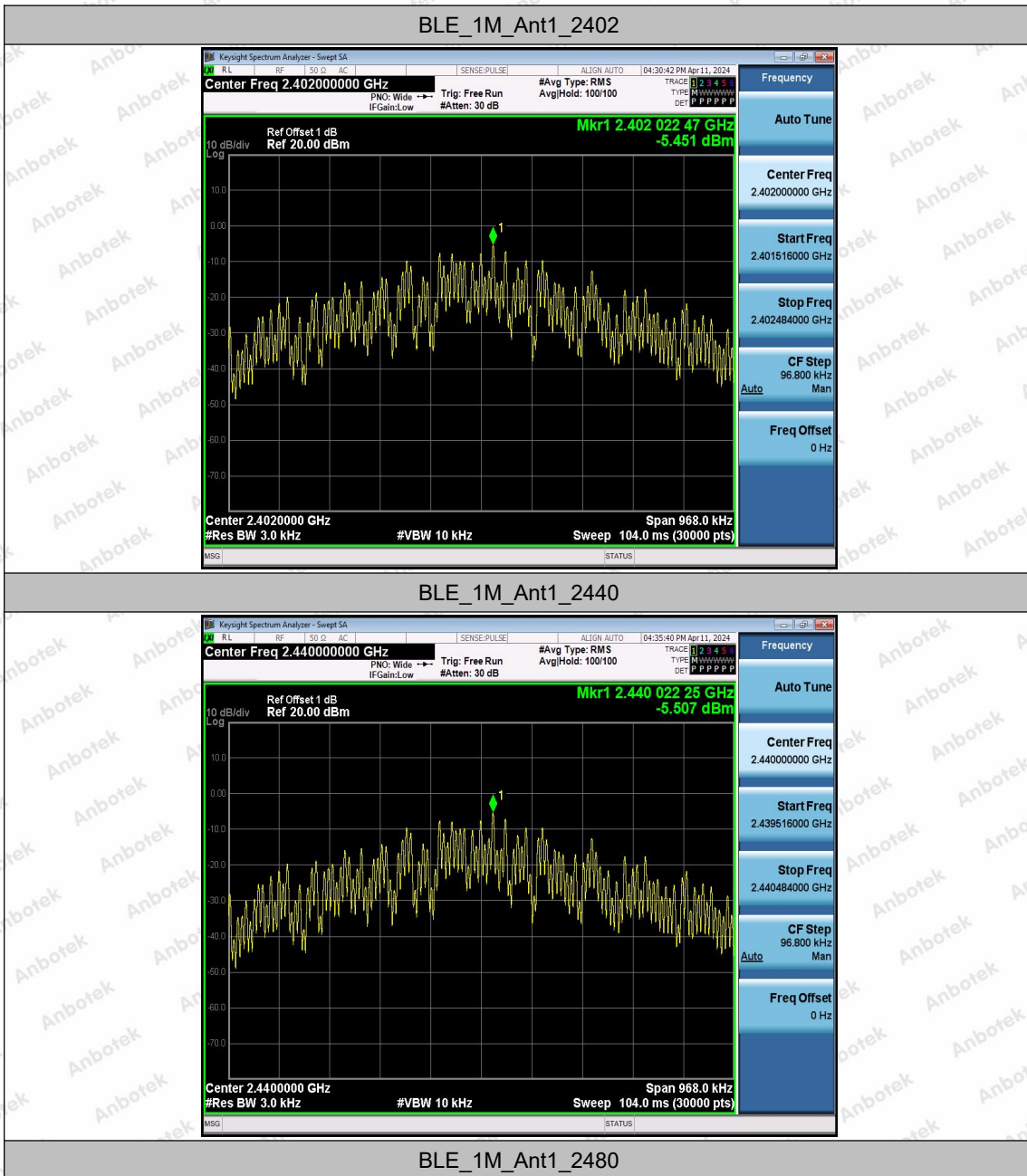
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.45	≤8.00	PASS
		2440	-5.51	≤8.00	PASS
		2480	-5.03	≤8.00	PASS



Test Graphs



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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.58	-43.33	≤-15.42	PASS
		High	2480	5.10	-42.8	≤-14.9	PASS

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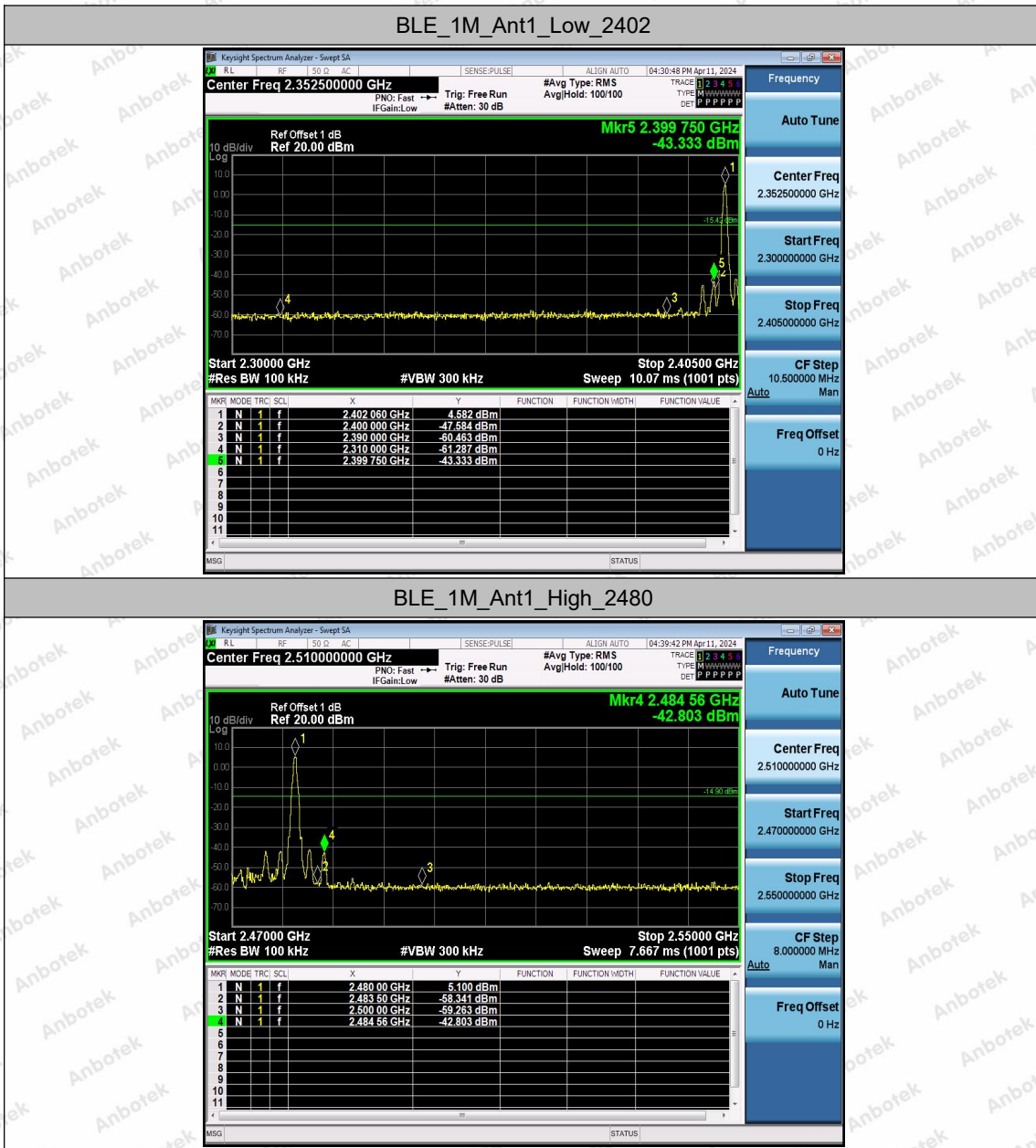
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Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.20	4.20	---	PASS
			30~1000	4.20	-67.63	≤-15.8	PASS
			1000~26500	4.20	-53.53	≤-15.8	PASS
		2440	Reference	4.30	4.30	---	PASS
			30~1000	4.30	-68.92	≤-15.7	PASS
			1000~26500	4.30	-53.39	≤-15.7	PASS
		2480	Reference	4.29	4.29	---	PASS
			30~1000	4.29	-68.44	≤-15.71	PASS
			1000~26500	4.29	-52.95	≤-15.71	PASS

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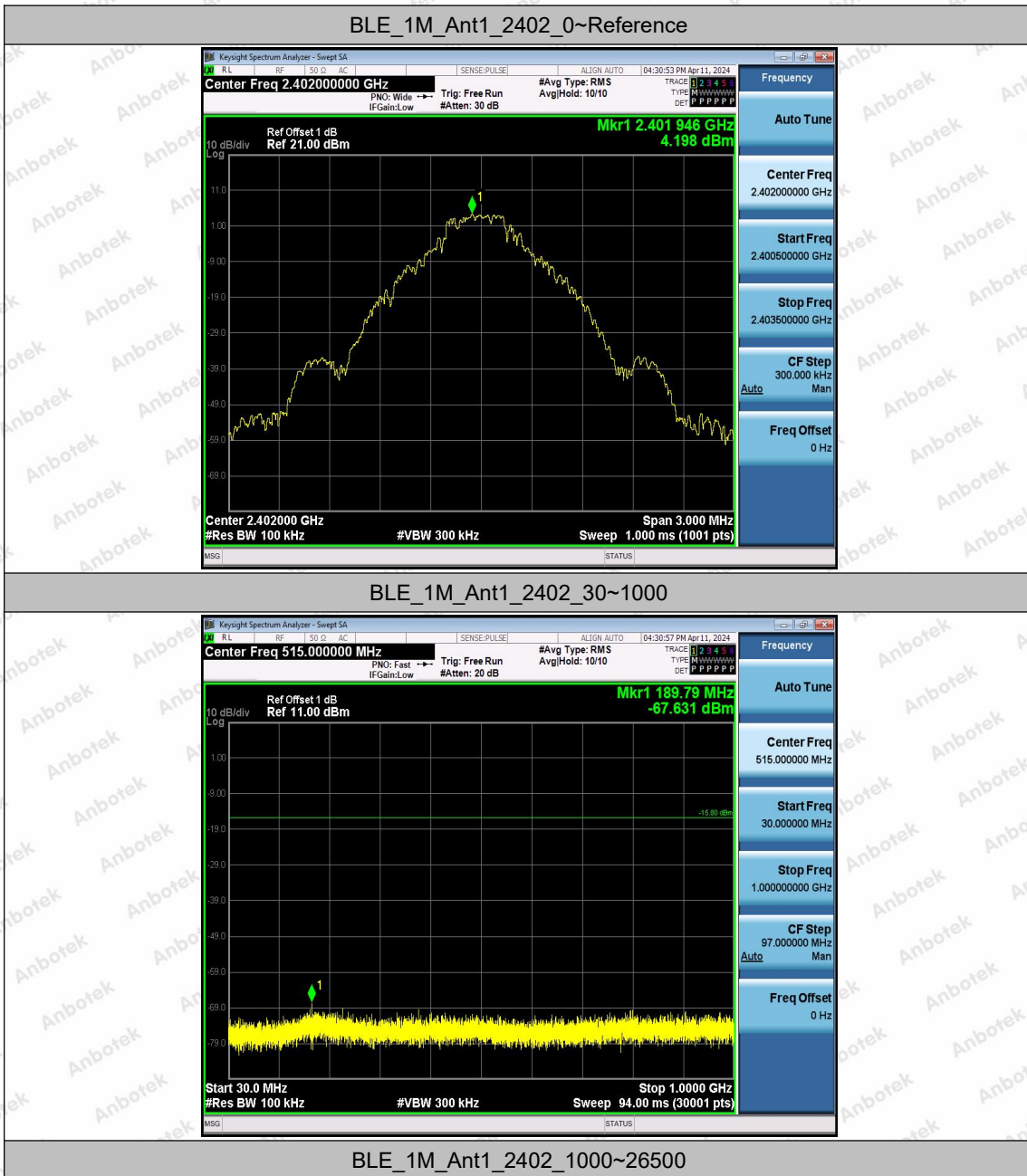
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Test Graphs

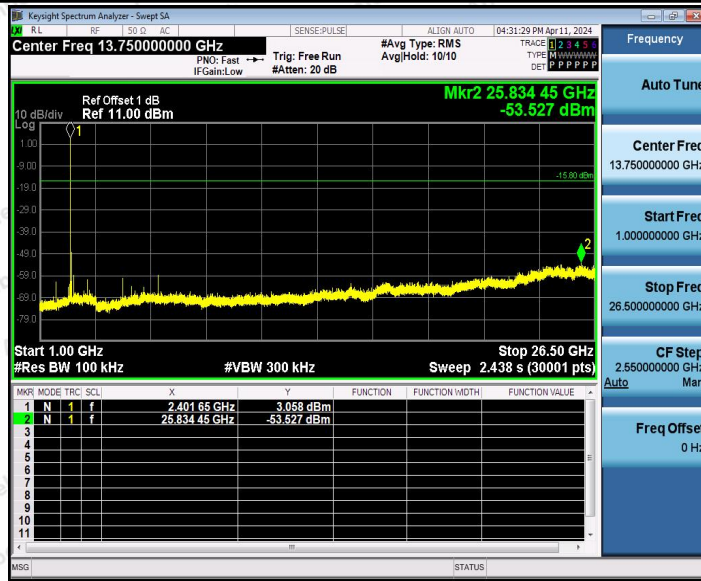


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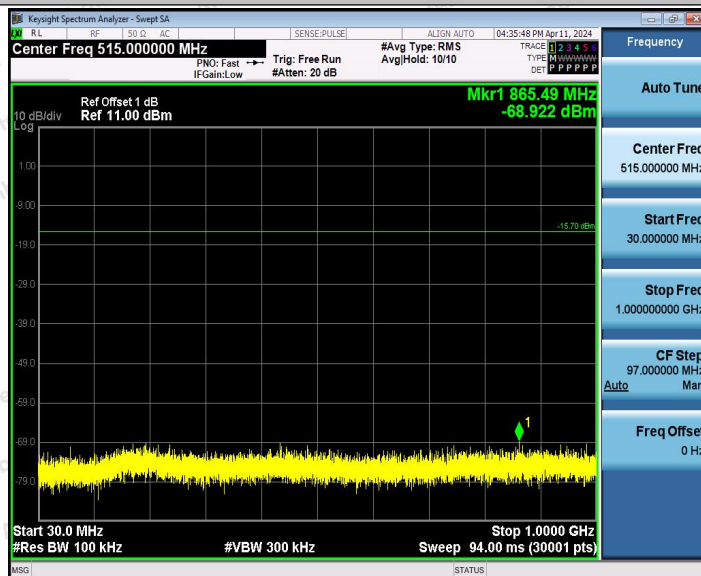




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

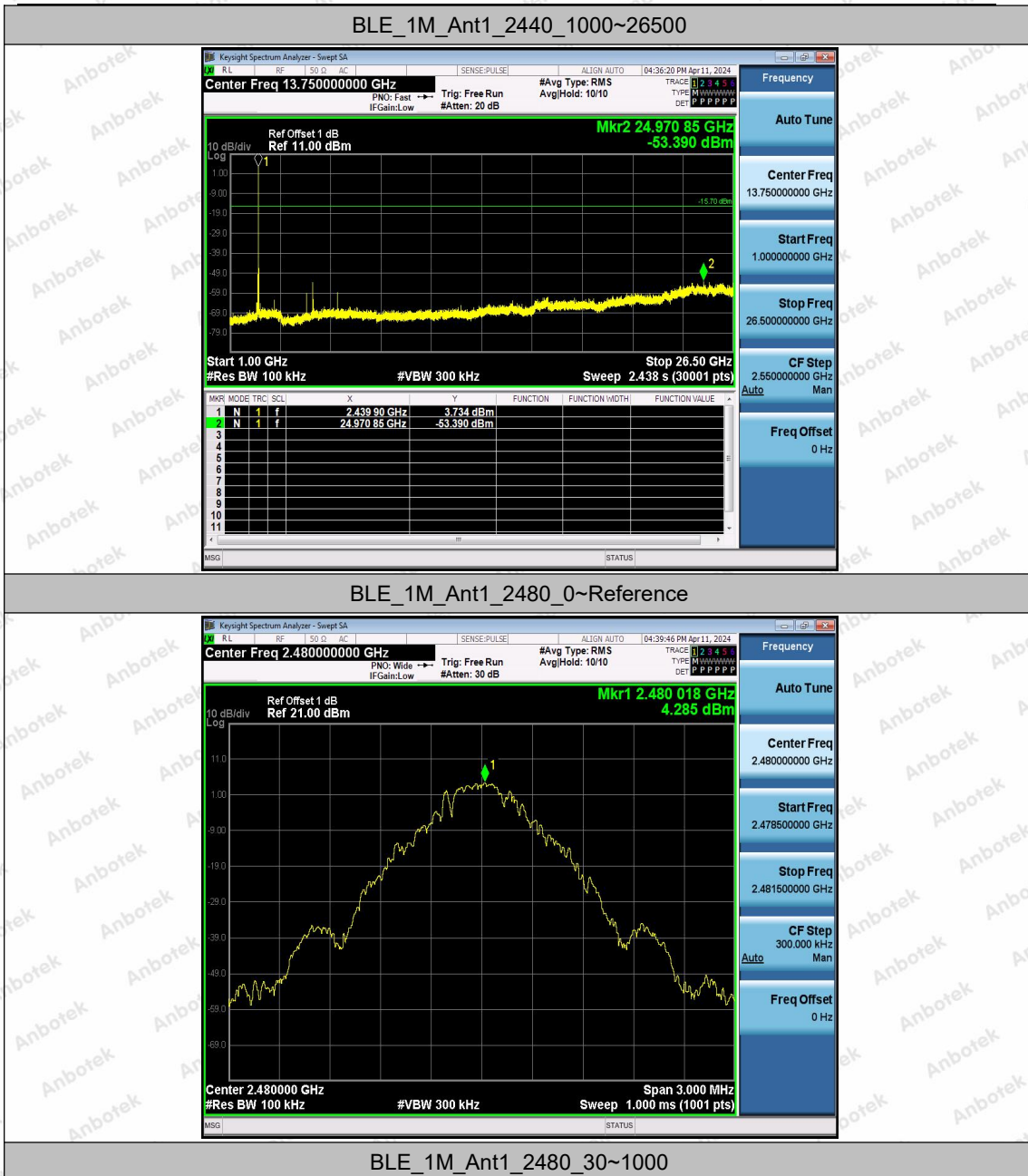


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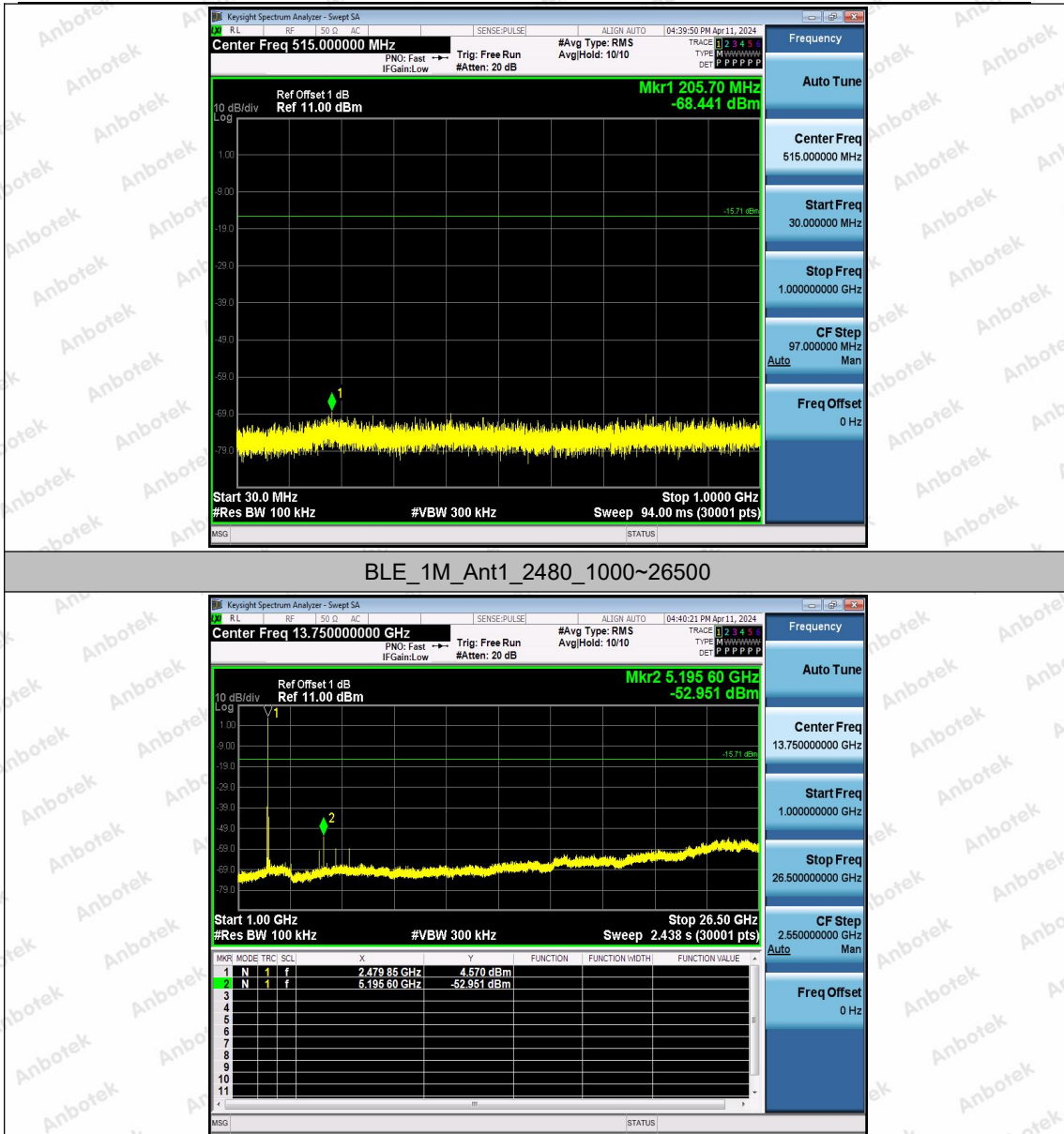


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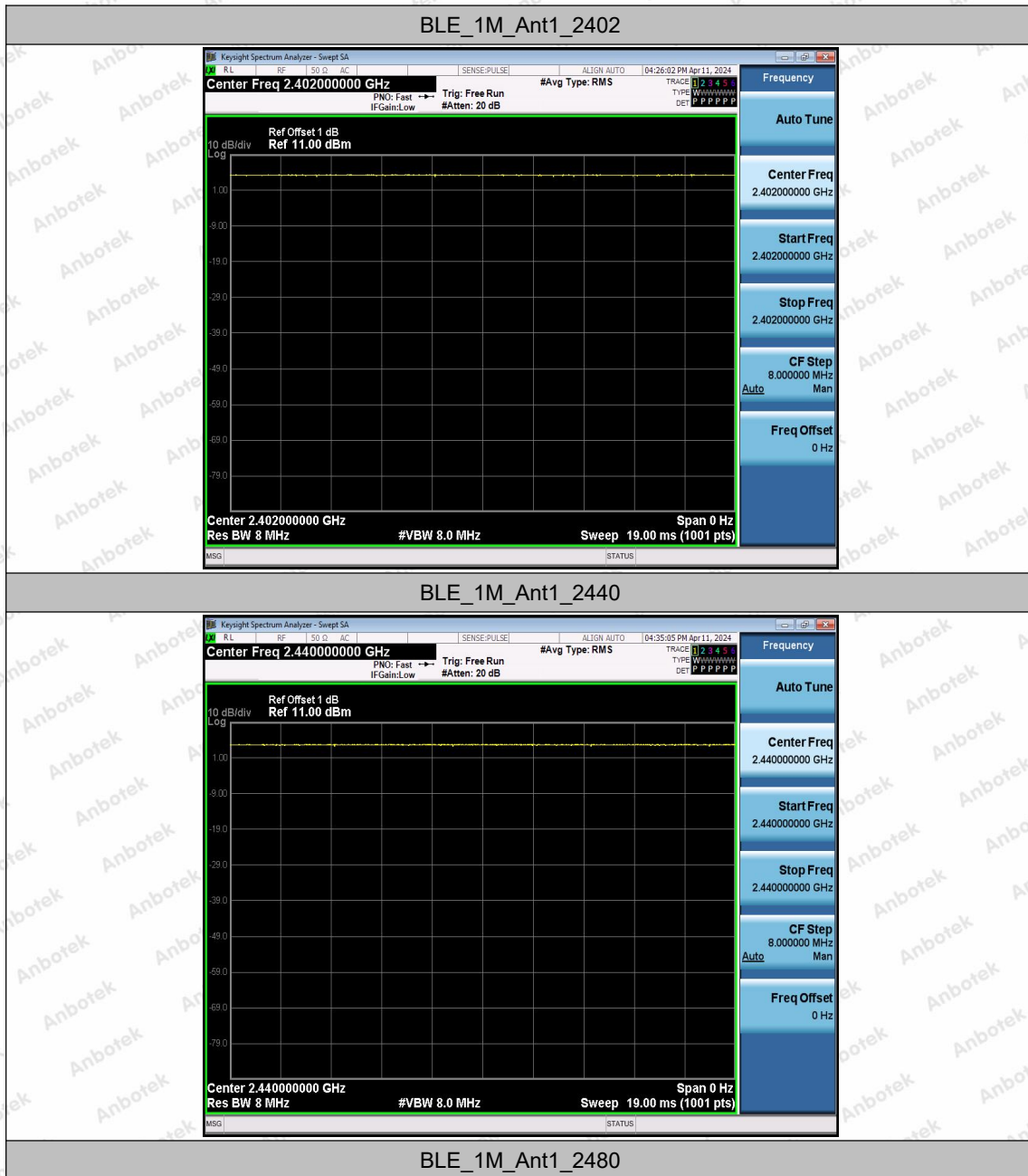
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



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