

Appendix Test Data

Report No.:	18220WC30051901	Test Sample No.:	1-2-2
Start Test Date:	2023.03.30	Finish Test Date:	2023.04.04
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.0C°	Relative Humidity:	51%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.644	2402.284	0.5	PASS
		2440	0.624	2439.648	2440.272	0.5	PASS
		2480	0.656	2479.620	2480.276	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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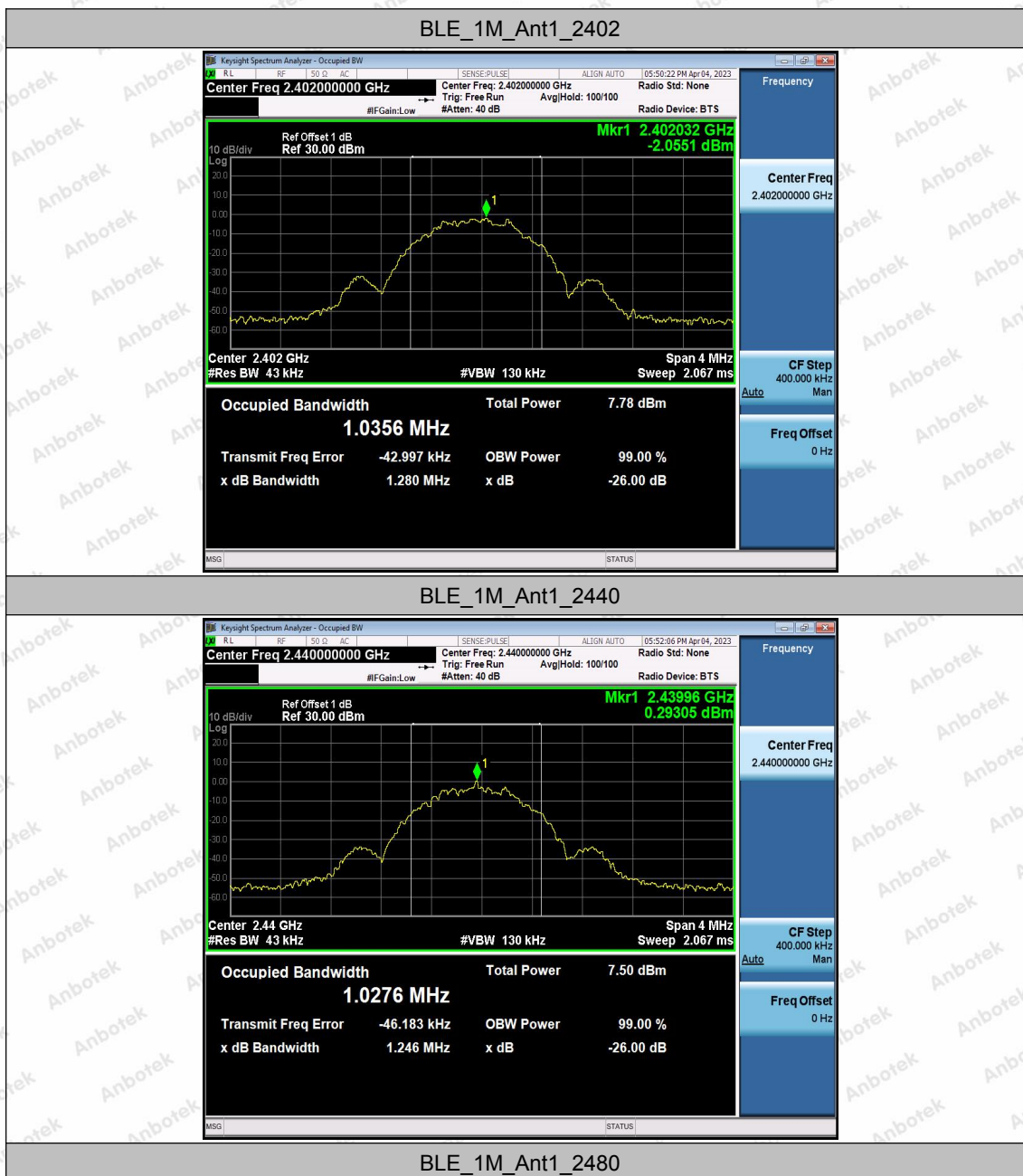
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0356	2401.4392	2402.4748
		2440	1.0276	2439.4400	2440.4676
		2480	1.0251	2479.4395	2480.4646



Test Graphs



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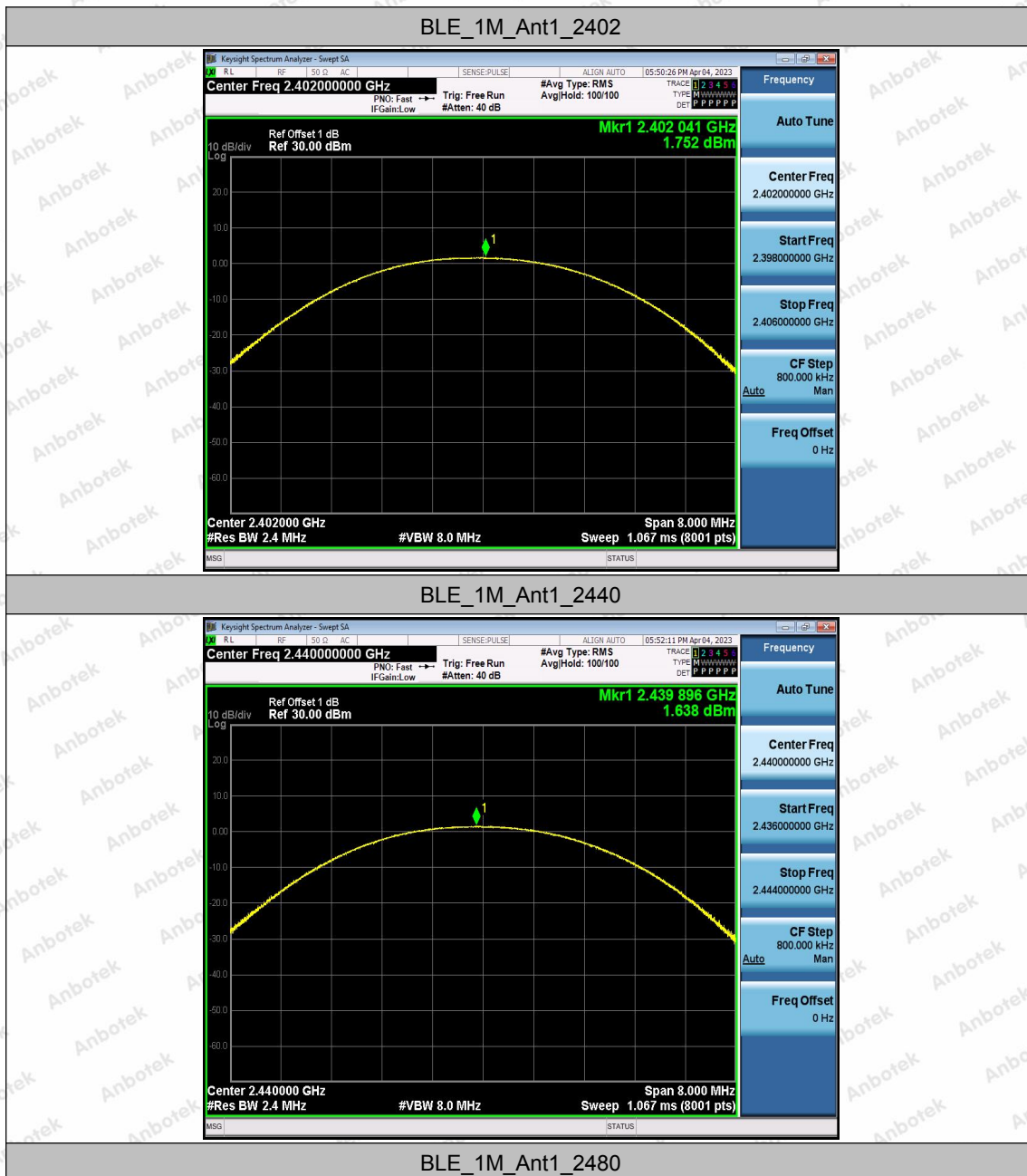
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.75	≤30	PASS
		2440	1.64	≤30	PASS
		2480	1.31	≤30	PASS



Test Graphs Peak



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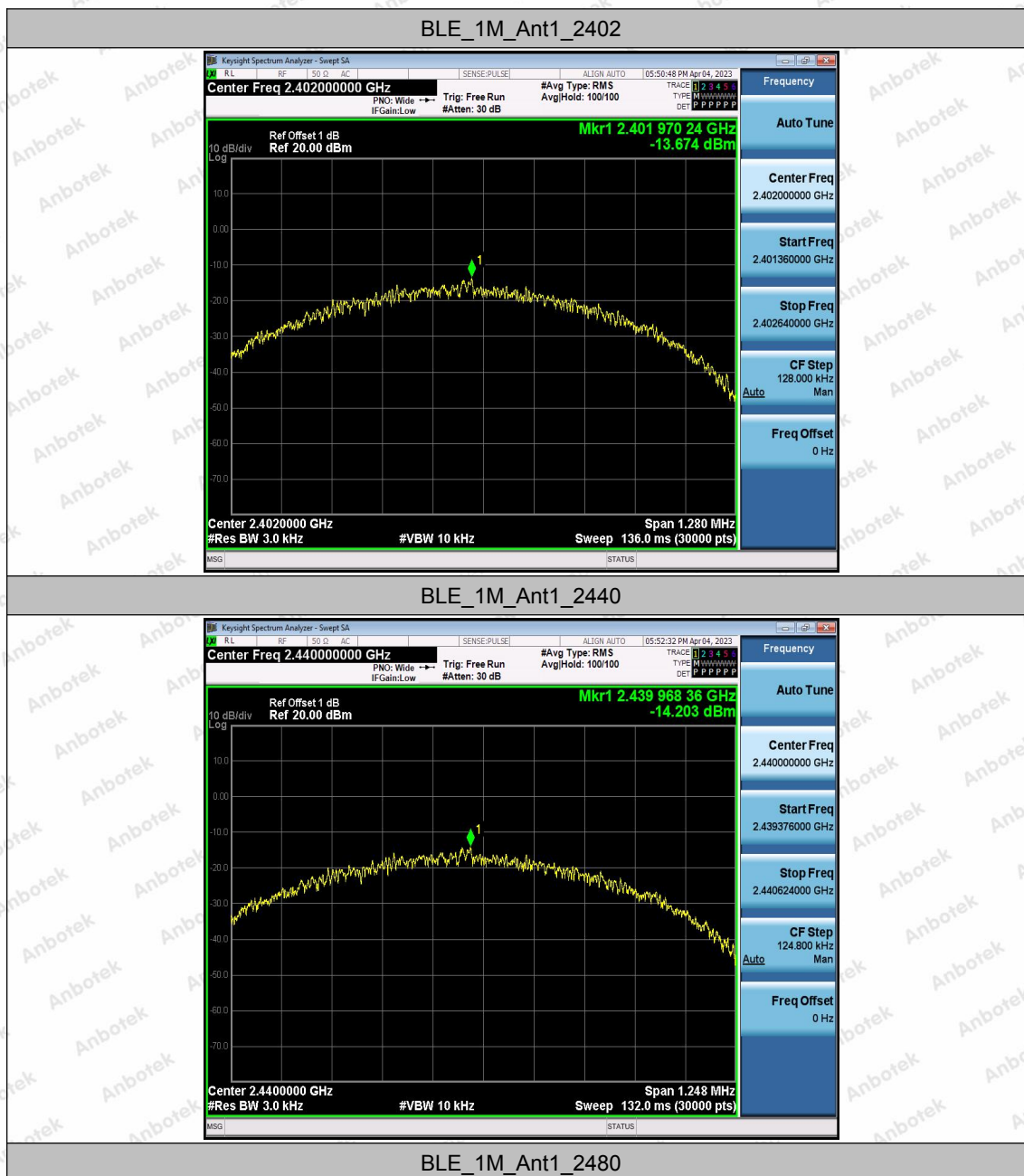
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.67	≤8.00	PASS
		2440	-14.2	≤8.00	PASS
		2480	-14.36	≤8.00	PASS



Test Graphs



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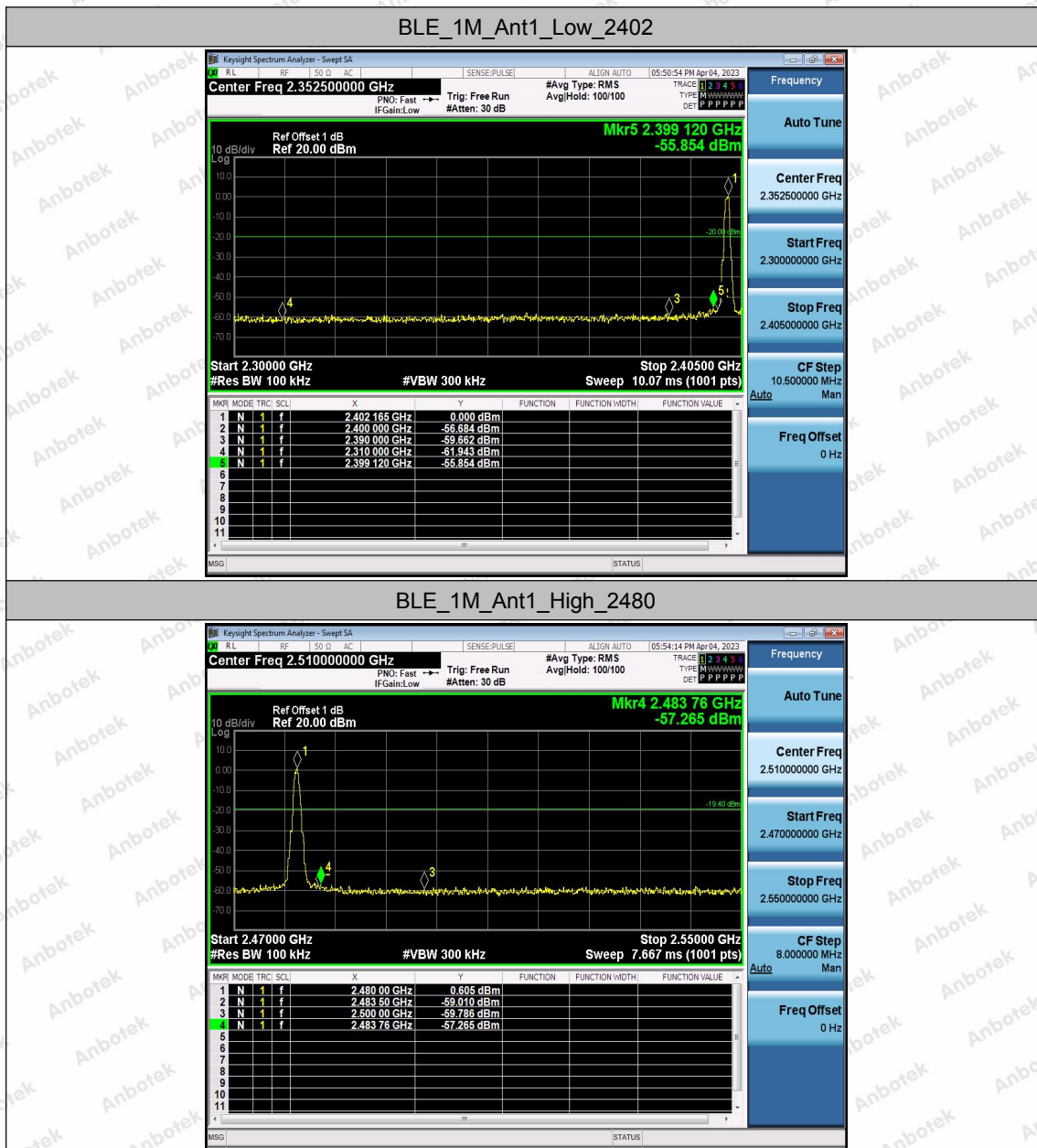
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.00	-55.85	≤-20	PASS
		High	2480	0.61	-57.27	≤-19.4	PASS



Test Graphs



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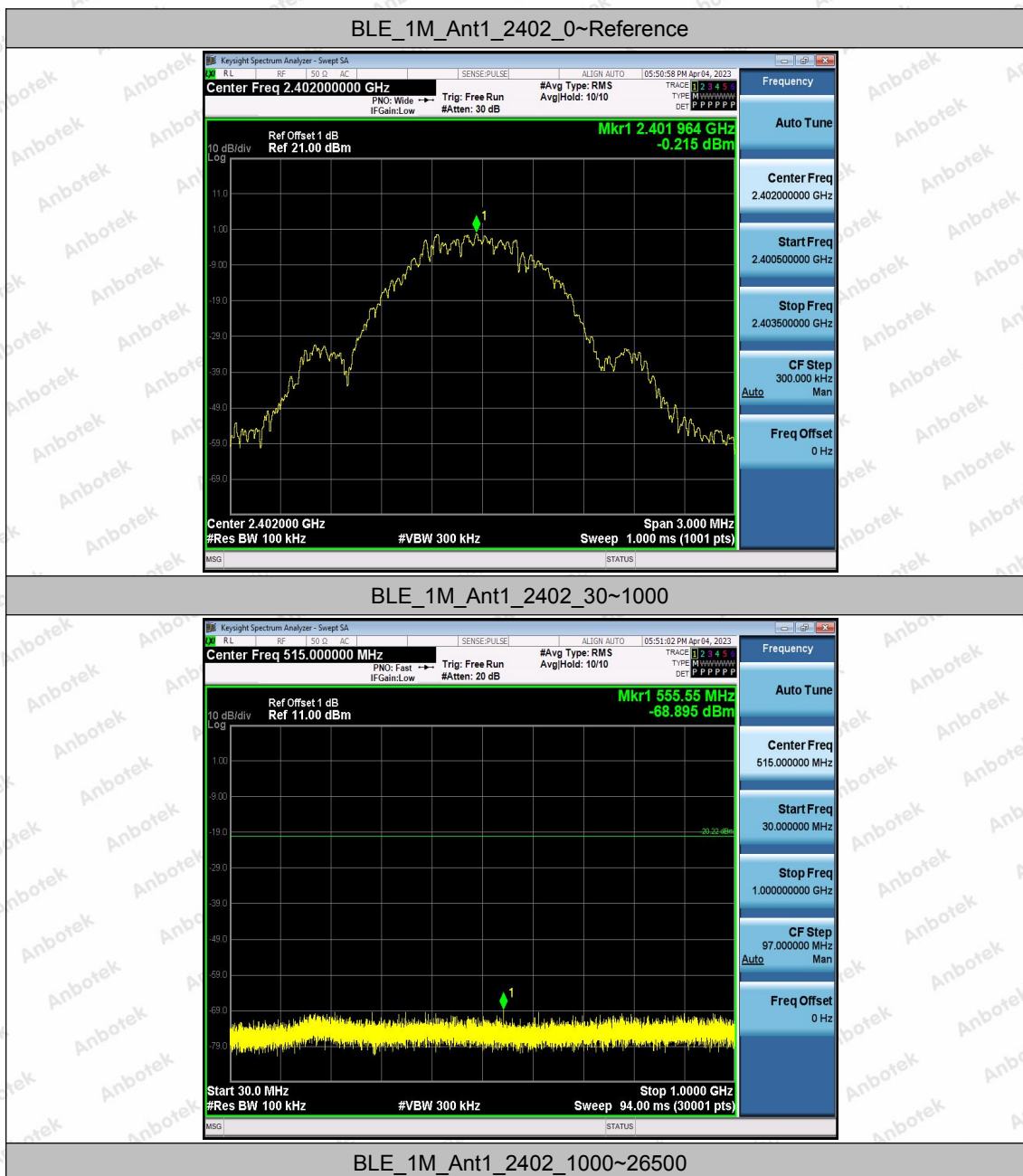
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.22	-0.22	---	PASS
			30~1000	-0.22	-68.9	≤-20.22	PASS
			1000~26500	-0.22	-53.15	≤-20.22	PASS
		2440	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-68.72	≤-20.28	PASS
			1000~26500	-0.28	-52.88	≤-20.28	PASS
		2480	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-69.07	≤-21.05	PASS
			1000~26500	-1.05	-53.57	≤-21.05	PASS



Test Graphs



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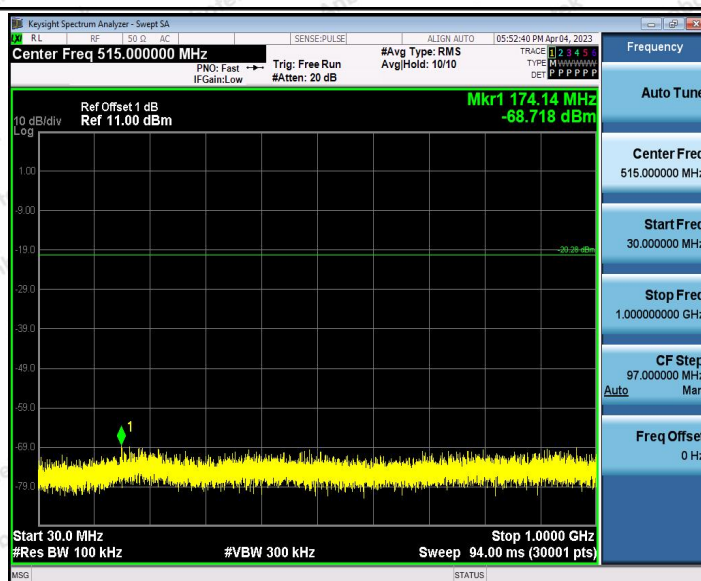


BLE_1M_Ant1_2440_0~Reference

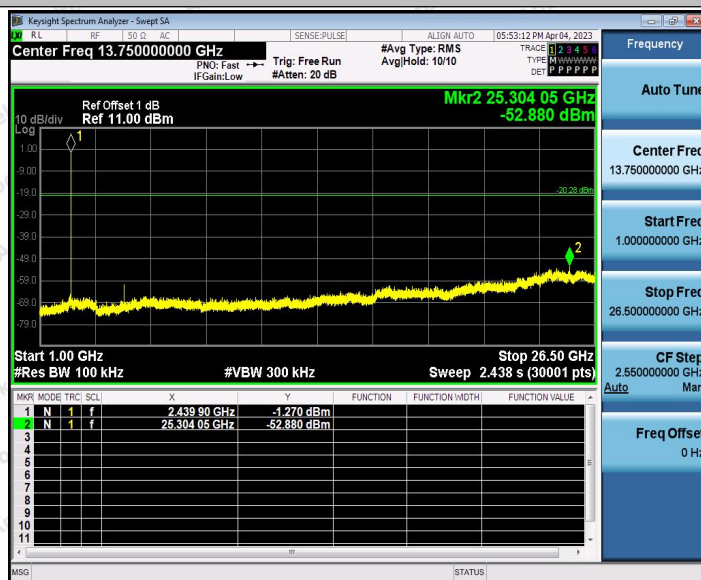


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

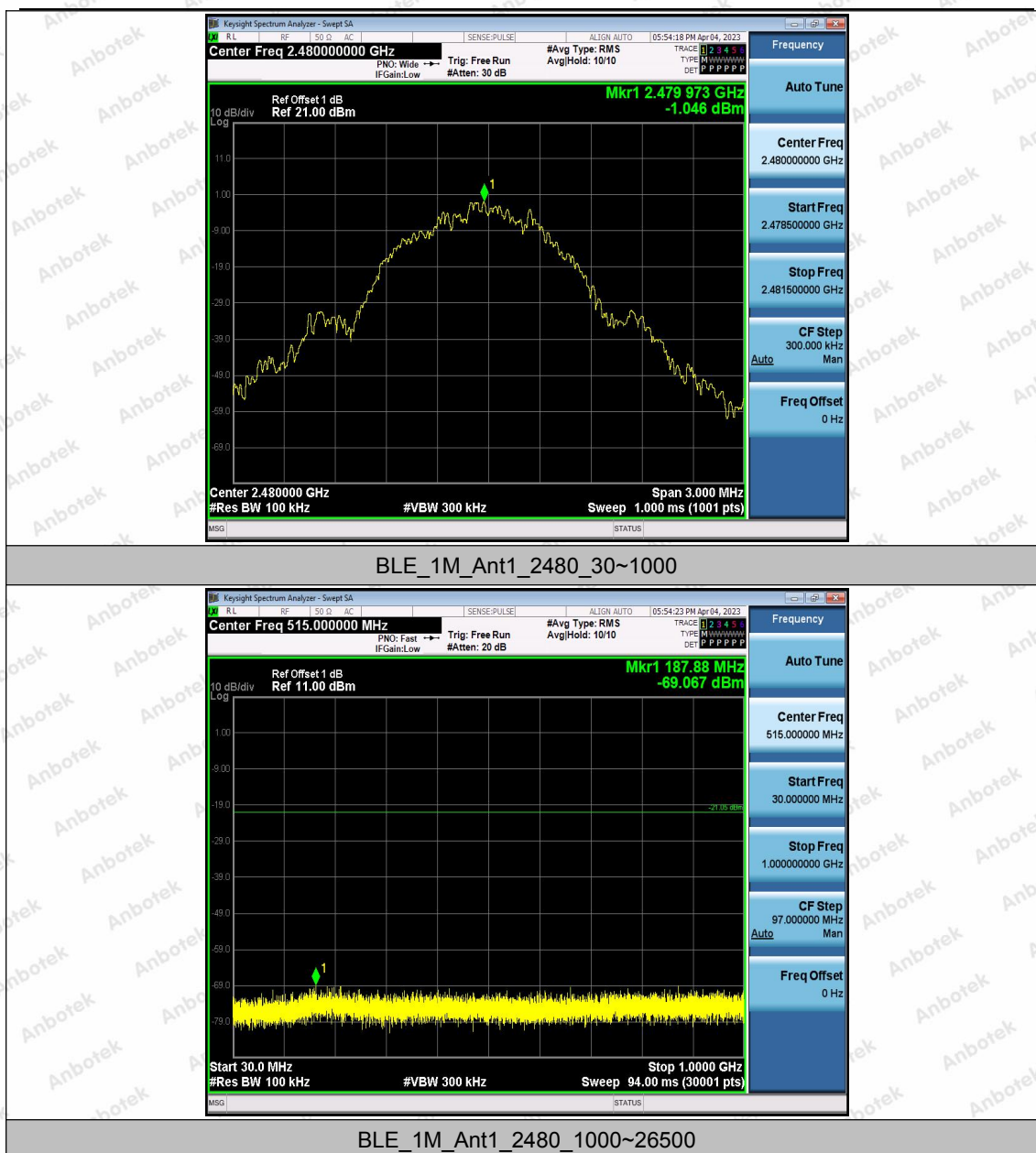
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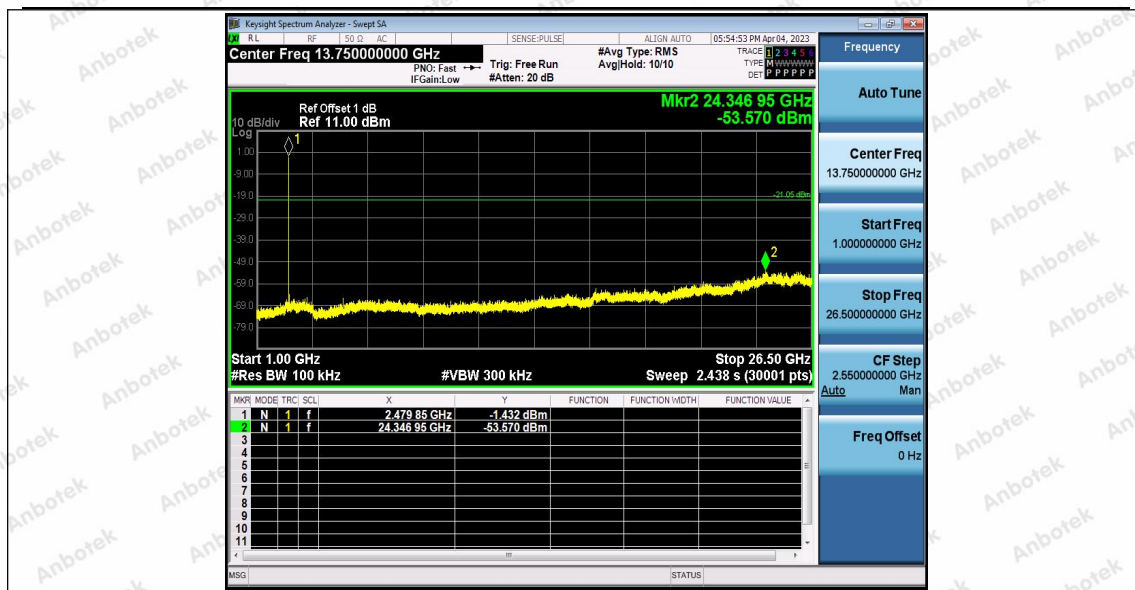
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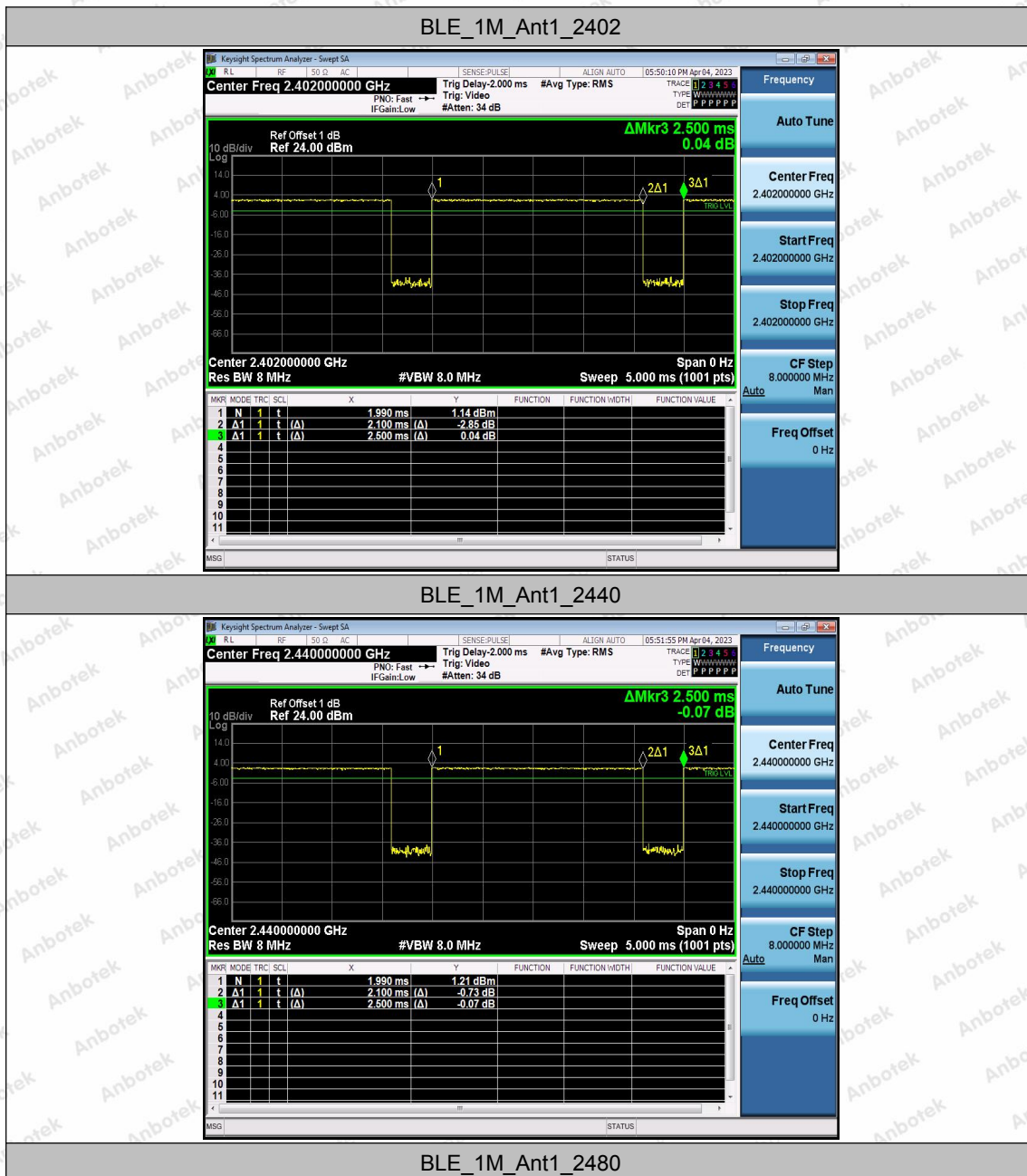
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76



Test Graphs



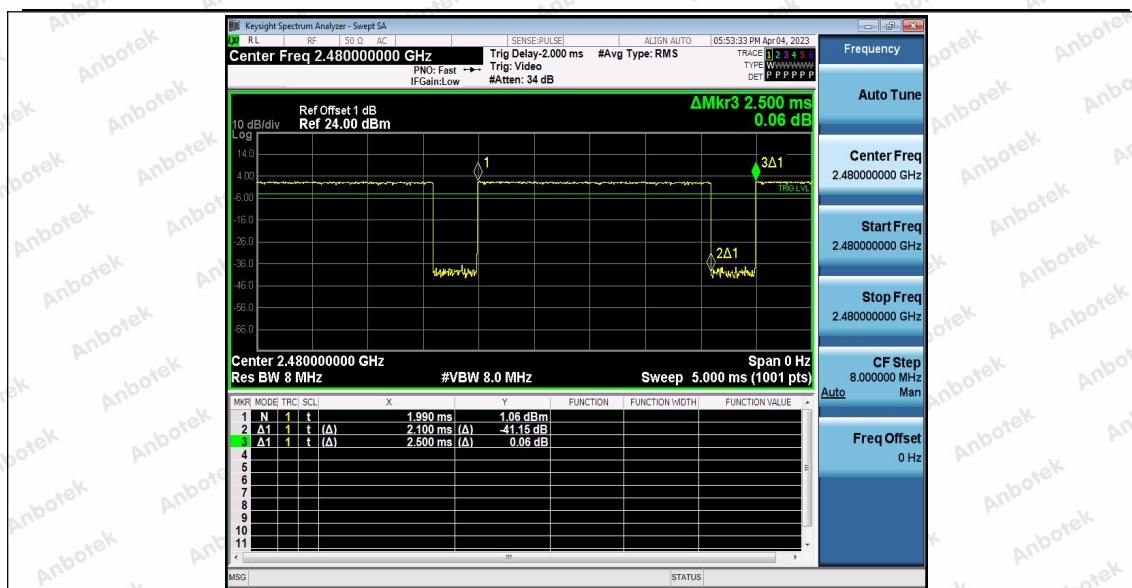
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