

Appendix Test Data

Report No.:	18220WC30076201	Test Sample No.:	1-2-2
Start Test Date:	2023.05.09	Finish Test Date:	2023.05.10
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.5°C	Relative Humidity:	55%
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	0.648	2401.632	2402.280	0.5	PASS
		2440	0.664	2439.616	2440.280	0.5	PASS
		2480	0.624	2479.648	2480.272	0.5	PASS



Test Graphs



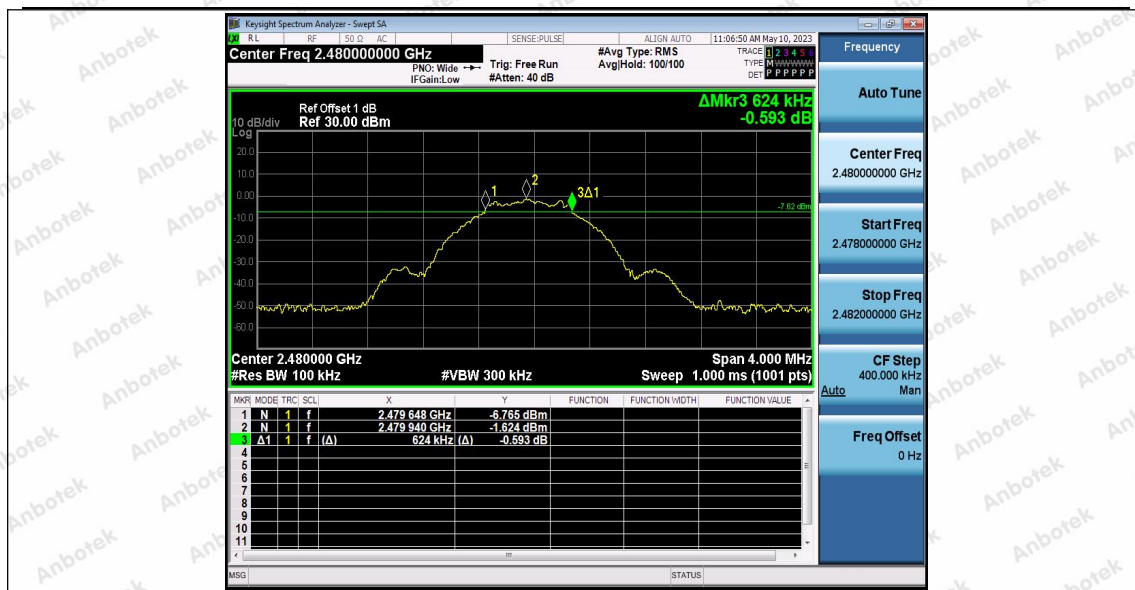
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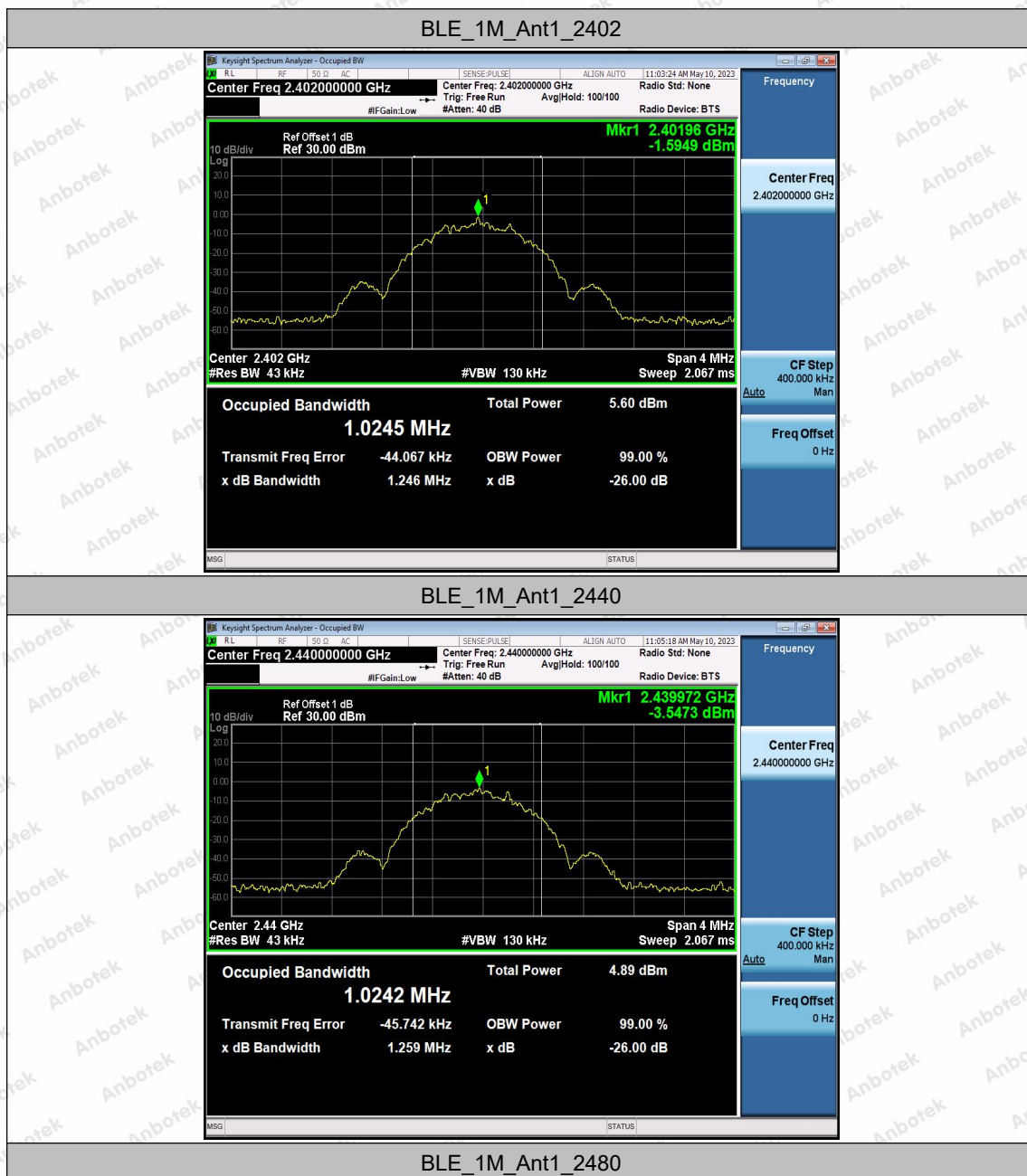
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0245	2401.4437	2402.4682
		2440	1.0242	2439.4422	2440.4664
		2480	1.0242	2479.4397	2480.4639



Test Graphs



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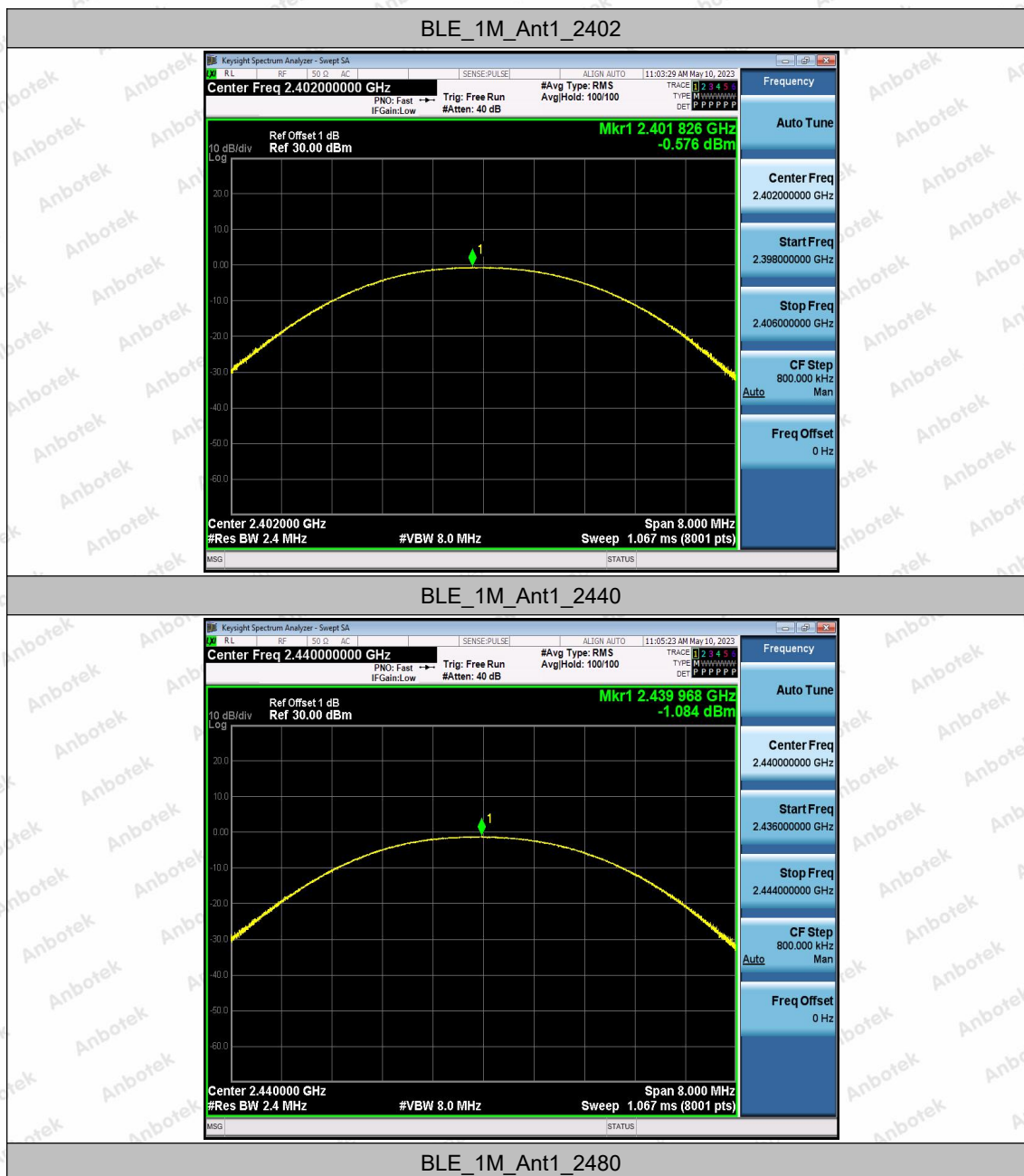
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.58	≤30	PASS
		2440	-1.08	≤30	PASS
		2480	-0.57	≤30	PASS



Test Graphs Peak



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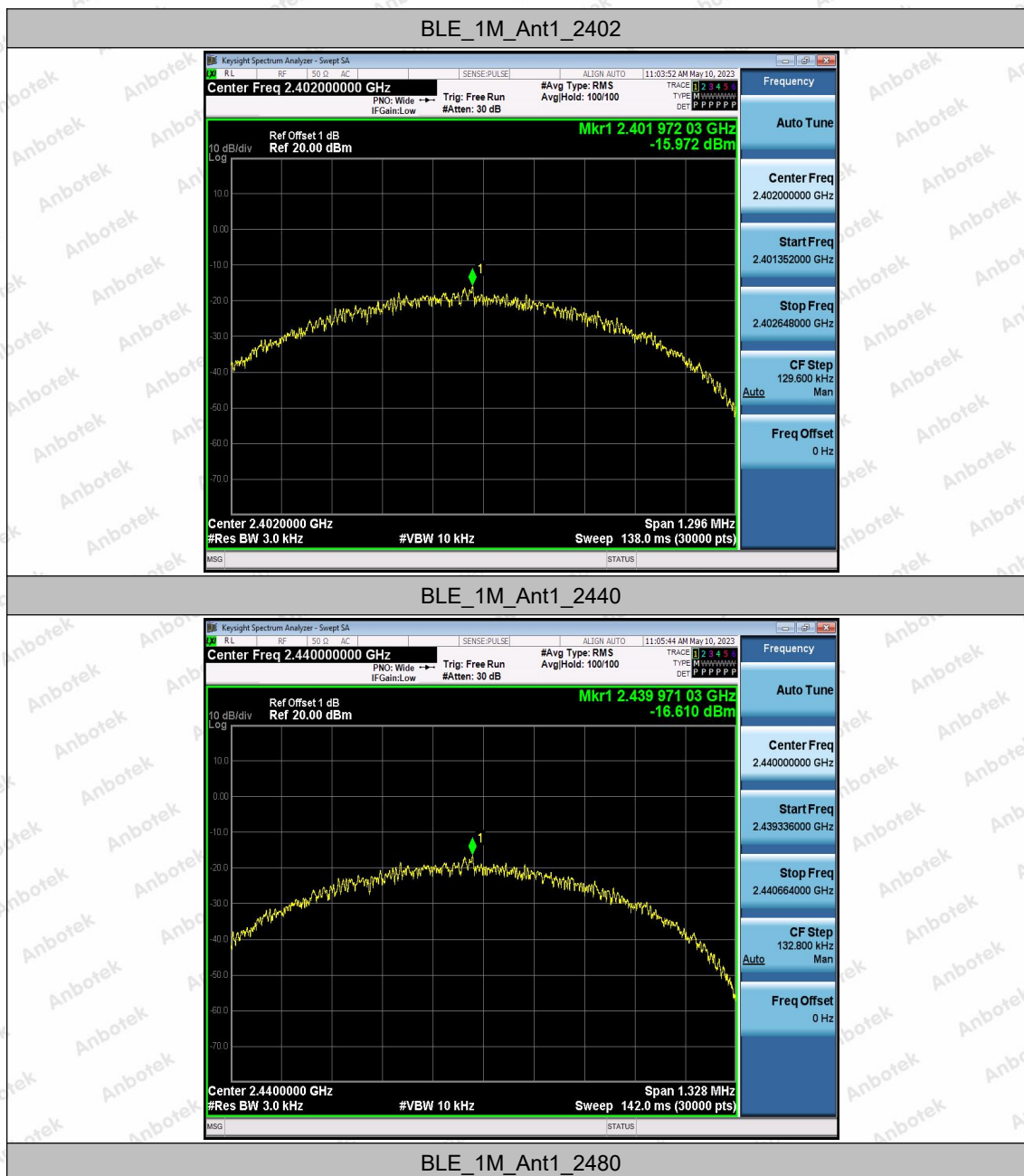
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.97	≤8.00	PASS
		2440	-16.61	≤8.00	PASS
		2480	-16.02	≤8.00	PASS



Test Graphs



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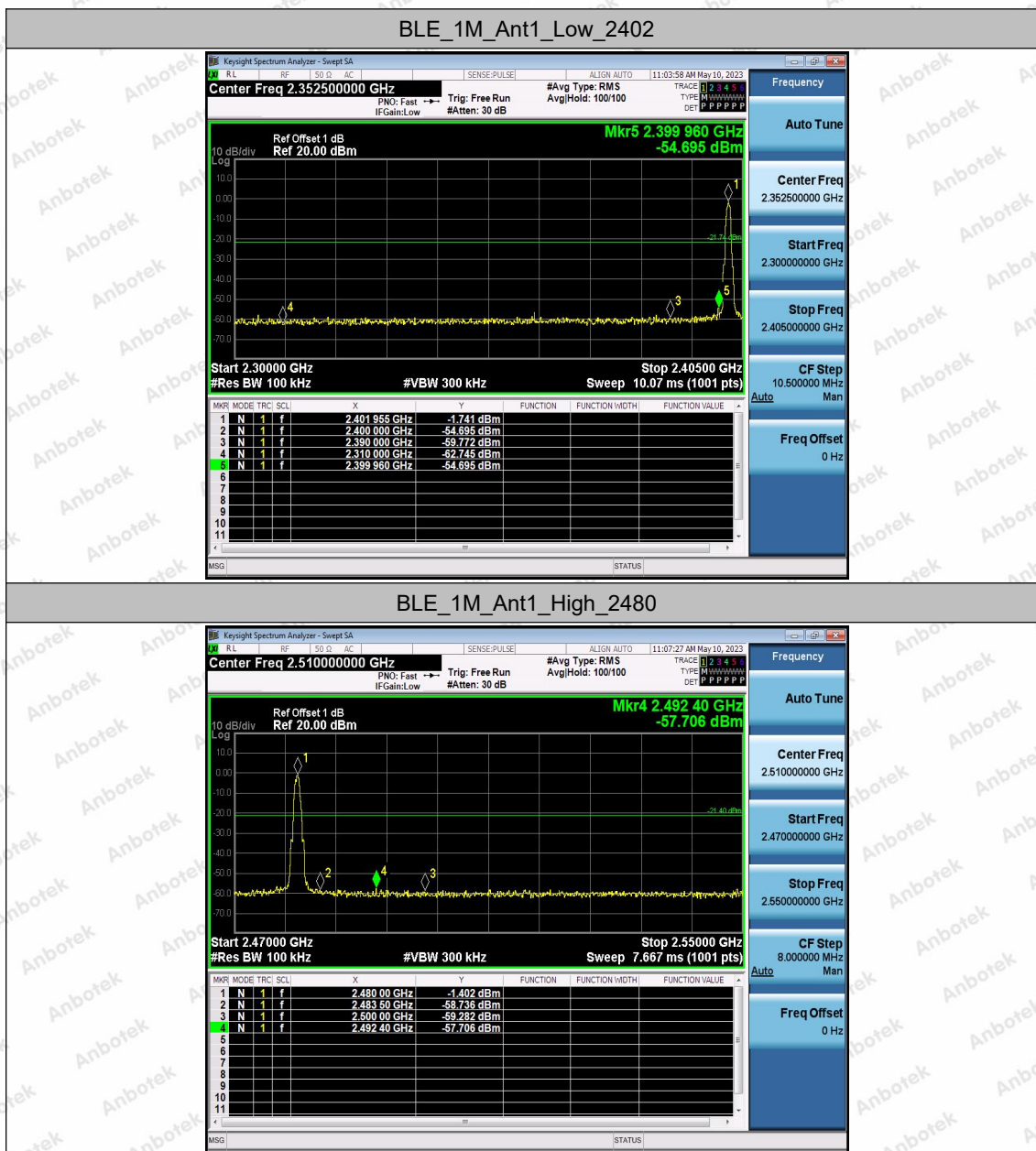
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.74	-54.7	≤-21.74	PASS
		High	2480	-1.40	-57.71	≤-21.4	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	-2.95	-2.95	---	PASS
			30~1000	-2.95	-68.01	≤-22.95	PASS
			1000~26500	-2.95	-52.69	≤-22.95	PASS
		2440	Reference	-3.10	-3.10	---	PASS
			30~1000	-3.10	-67.71	≤-23.1	PASS
			1000~26500	-3.10	-53.42	≤-23.1	PASS
		2480	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-67.12	≤-22.77	PASS
			1000~26500	-2.77	-53.67	≤-22.77	PASS

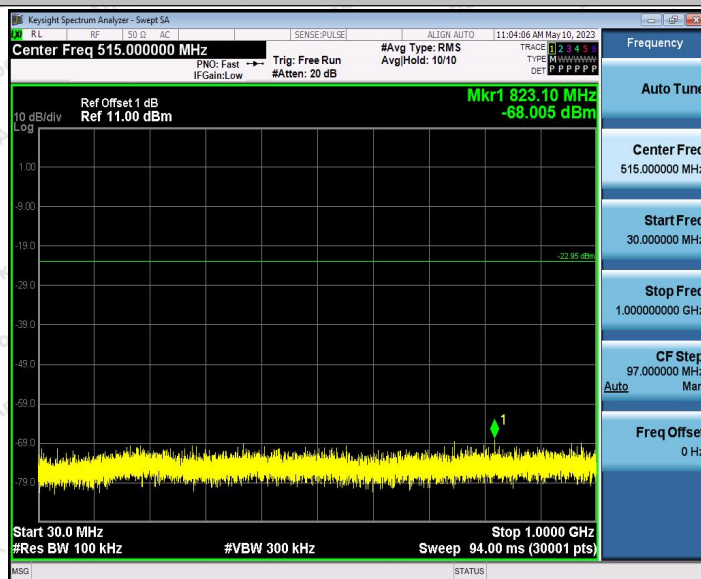


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

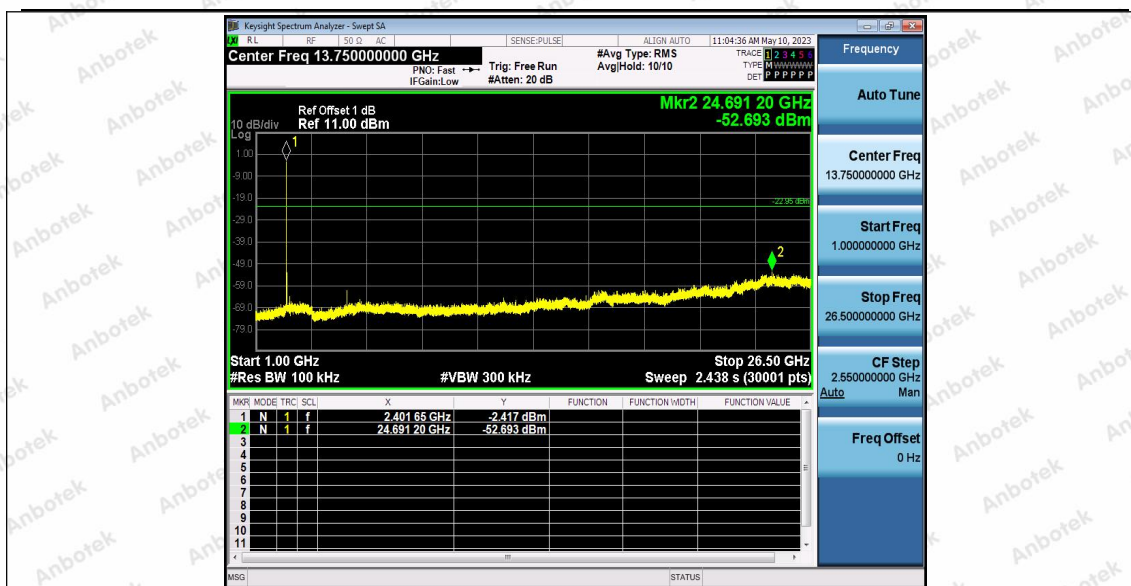
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

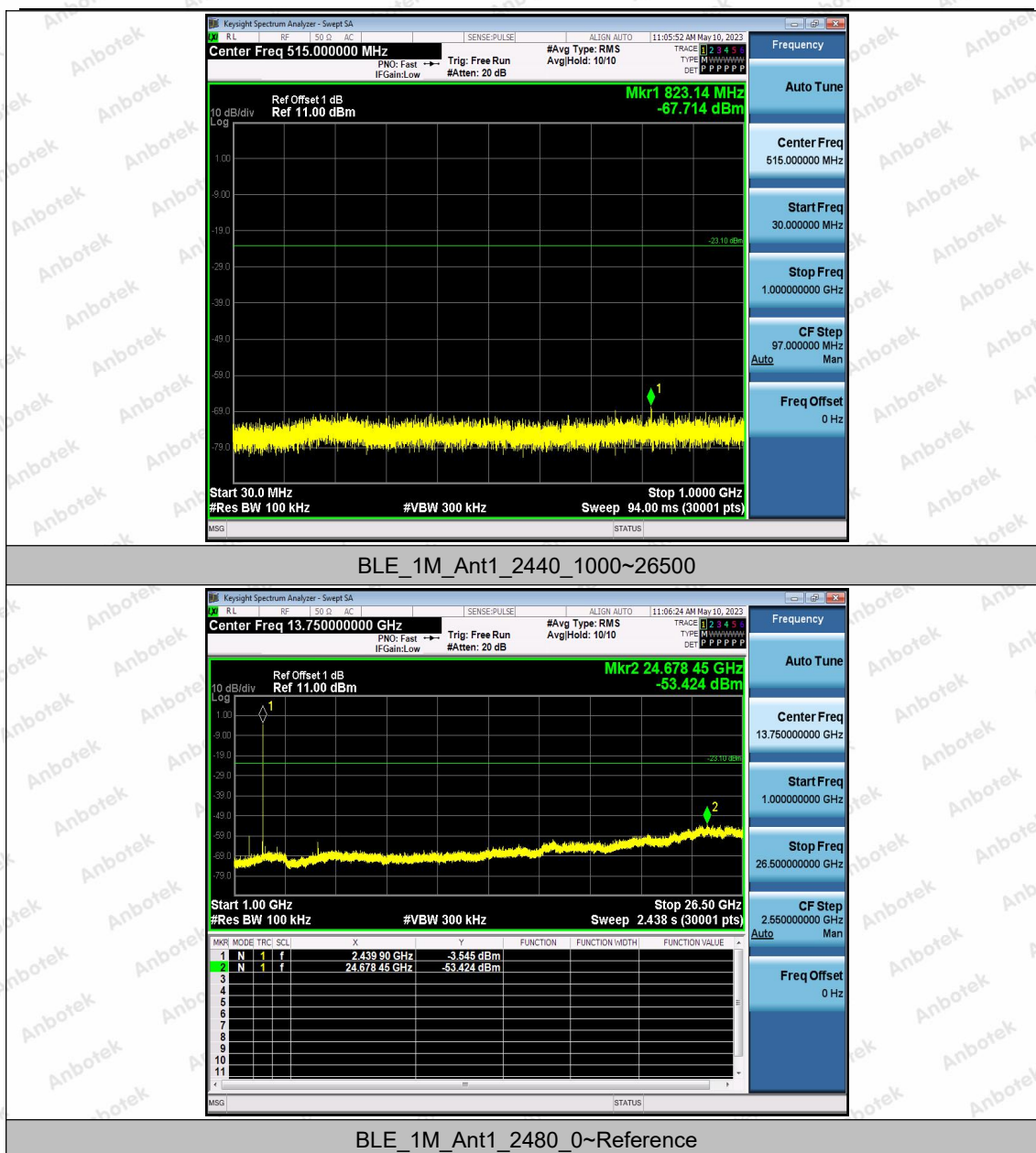
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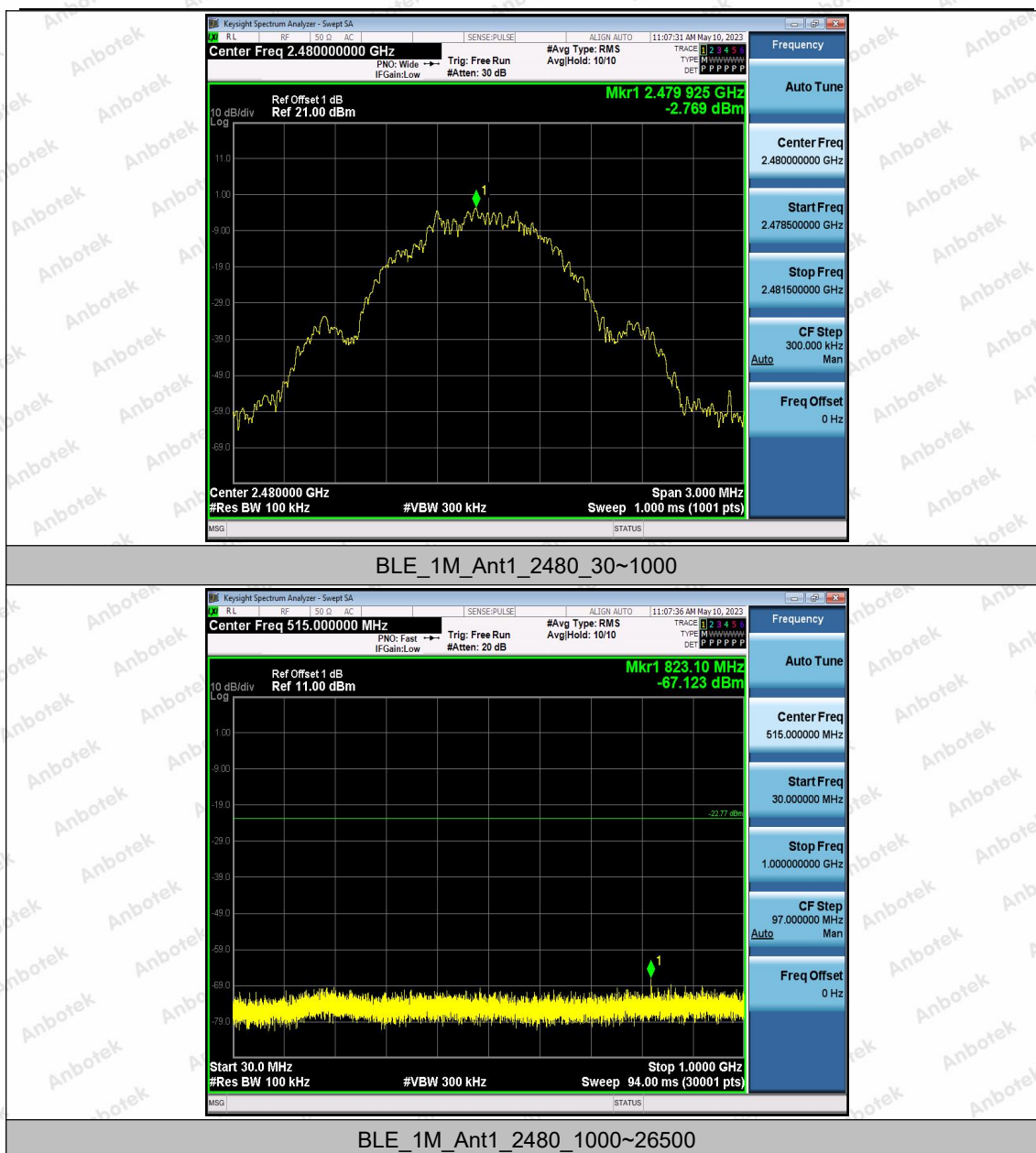
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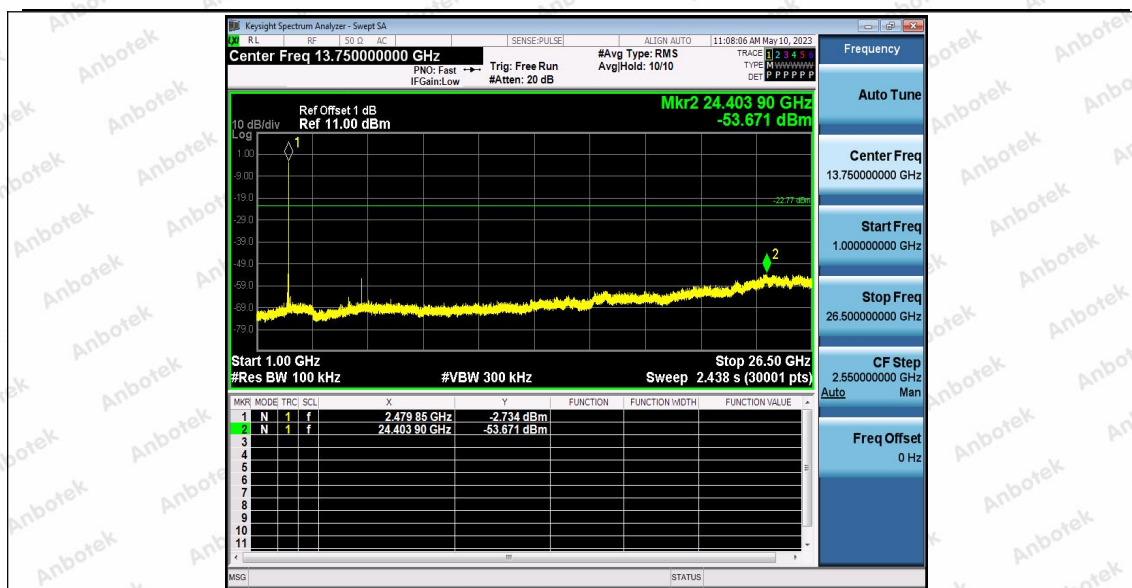
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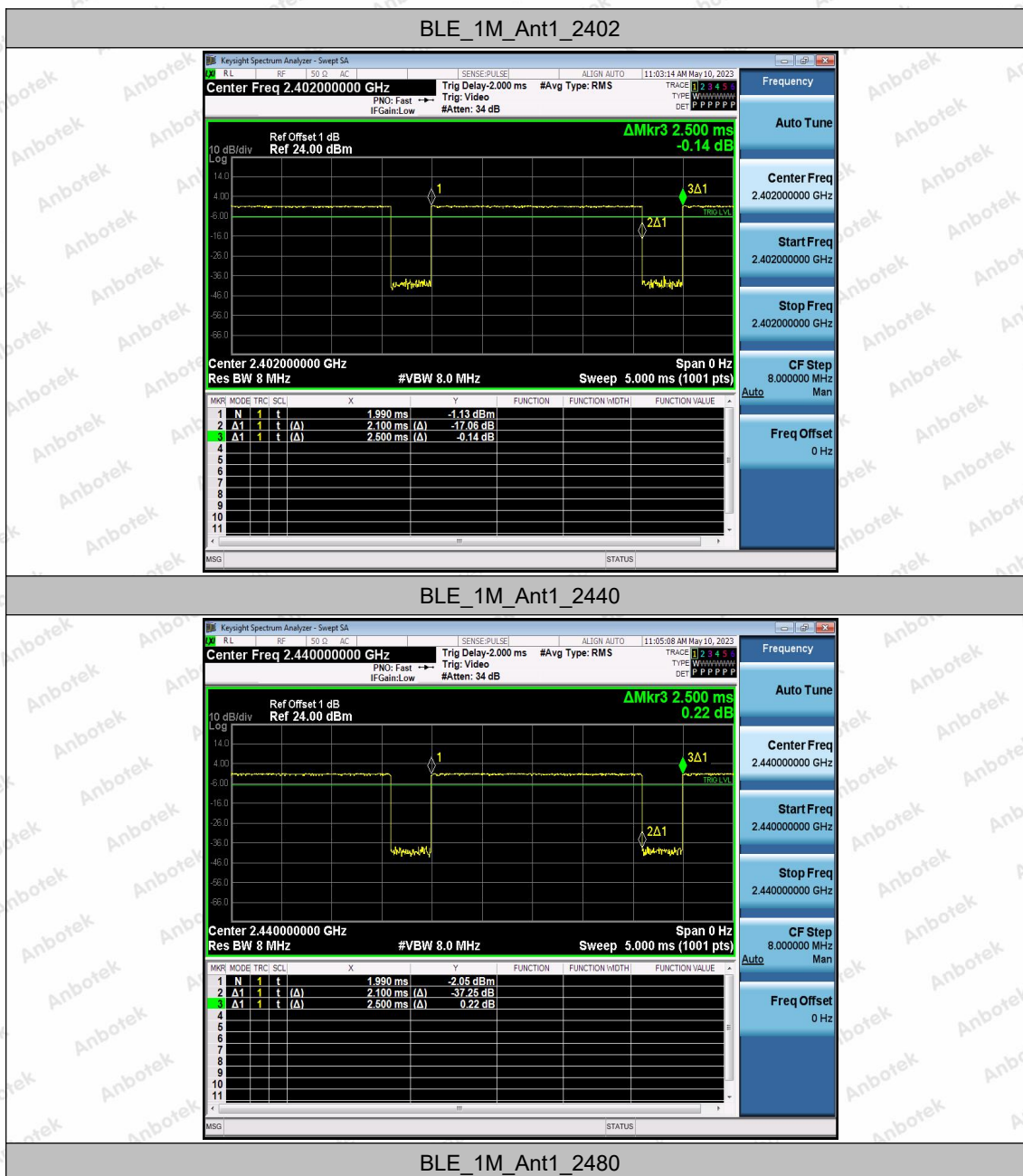
Appendix G: Duty Cycle

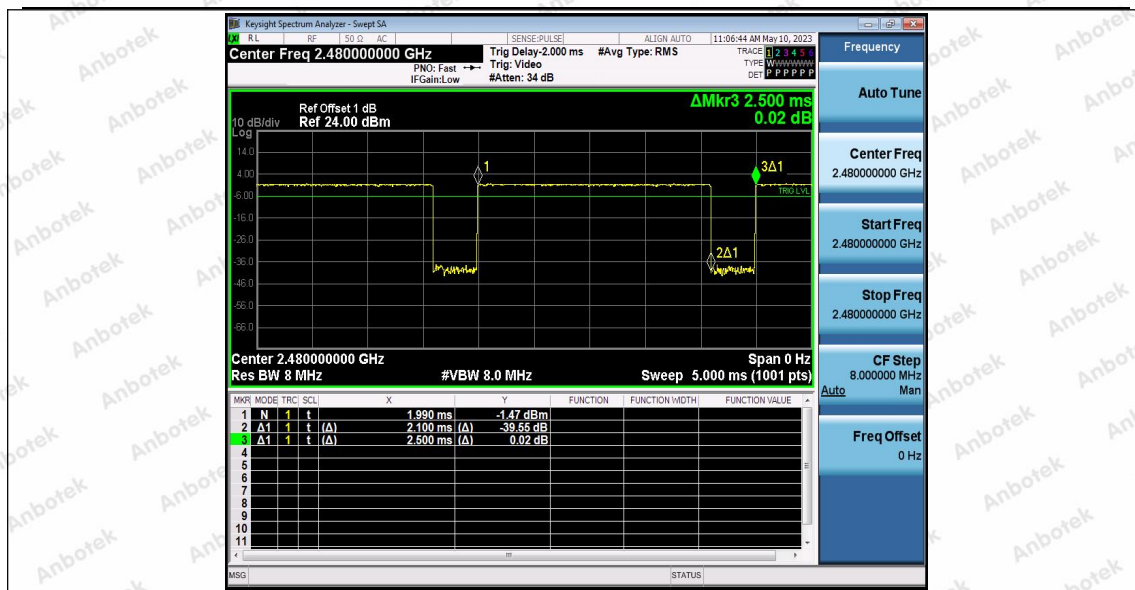
Test Result

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





---End---

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