

Appendix Test Data

Report No.:	18220WC30080401	Test Sample No.:	1-2-2
Start Test Date:	2023.06.15	Finish Test Date:	2023.06.15
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.3°C	Relative Humidity:	50%
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	0.664	2401.624	2402.288	0.5	PASS
		2440	0.636	2439.644	2440.280	0.5	PASS
		2480	0.632	2479.636	2480.268	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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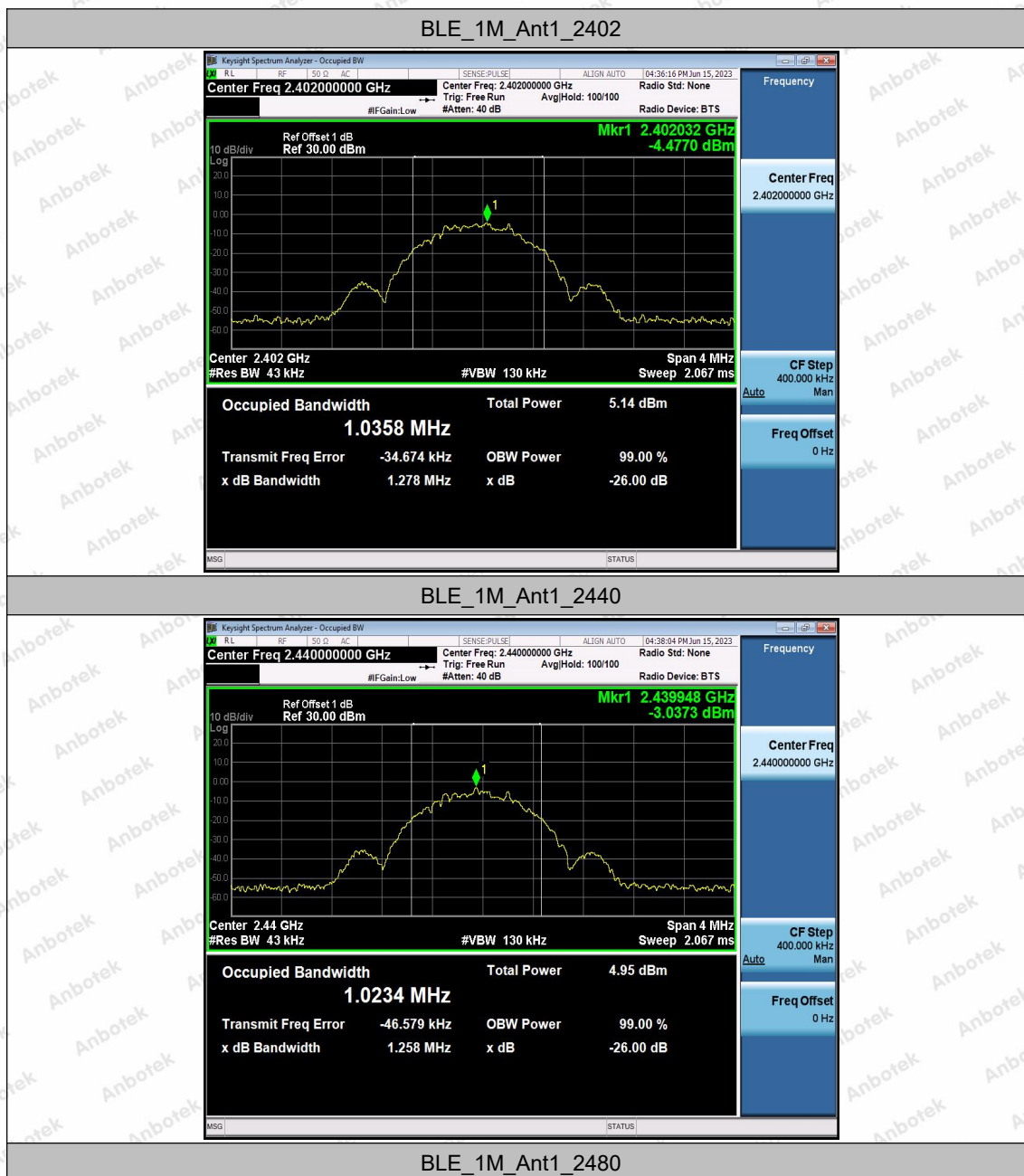
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0358	2401.4474	2402.4832
		2440	1.0234	2439.4417	2440.4651
		2480	1.0290	2479.4386	2480.4676



Test Graphs



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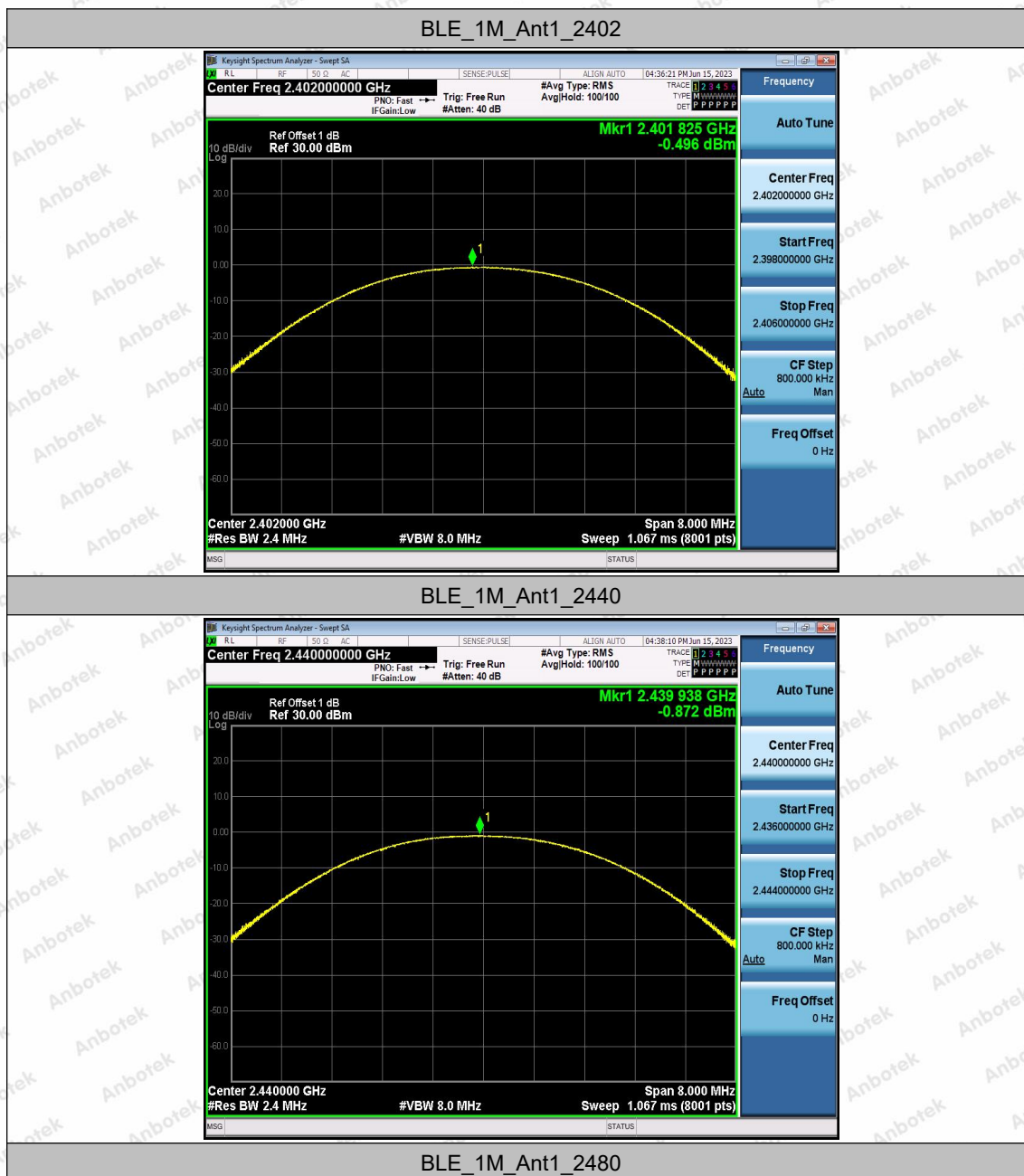
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.50	≤30	PASS
		2440	-0.87	≤30	PASS
		2480	-0.79	≤30	PASS



Test Graphs Peak



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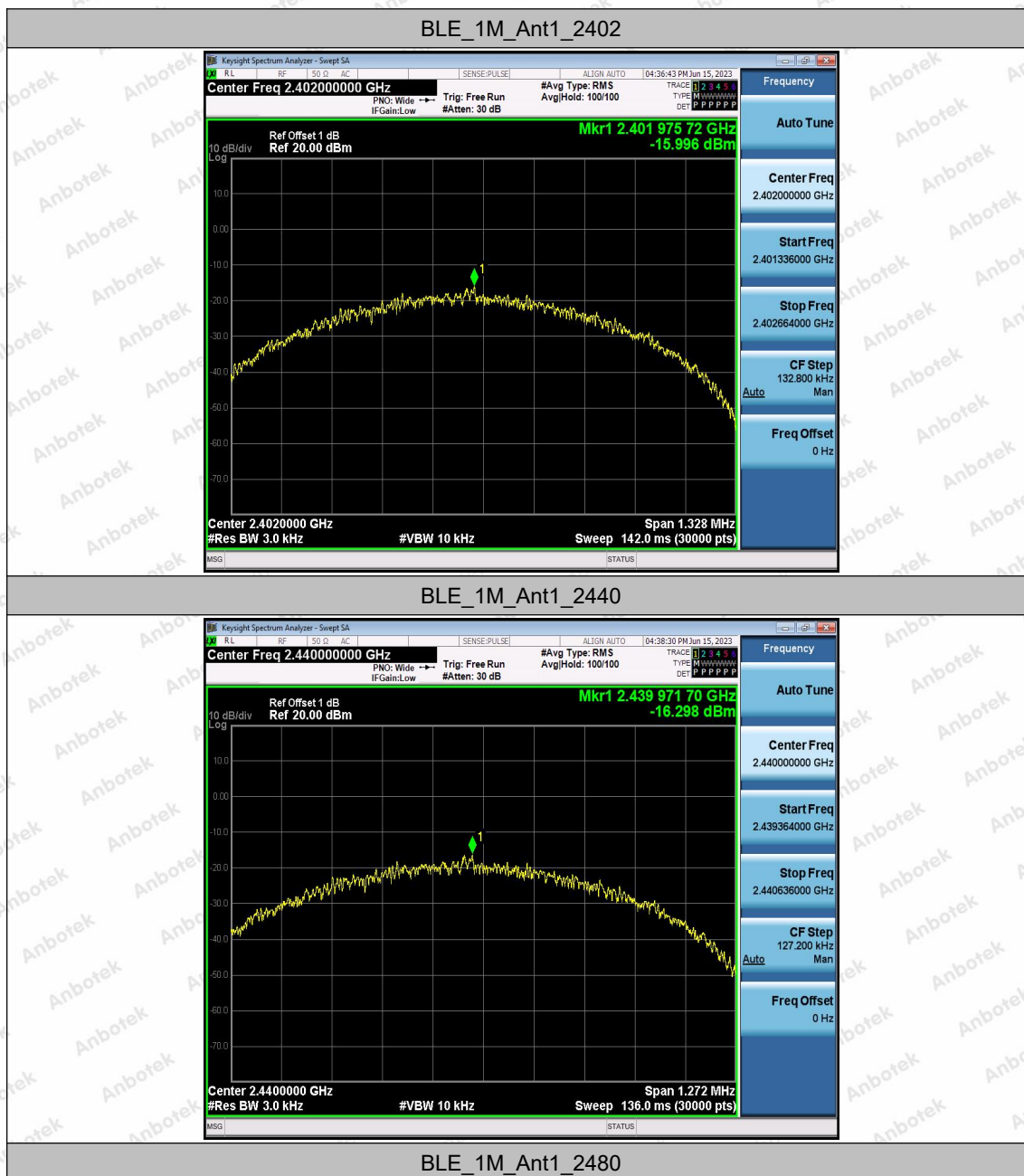
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.00	≤8.00	PASS
		2440	-16.30	≤8.00	PASS
		2480	-16.24	≤8.00	PASS



Test Graphs



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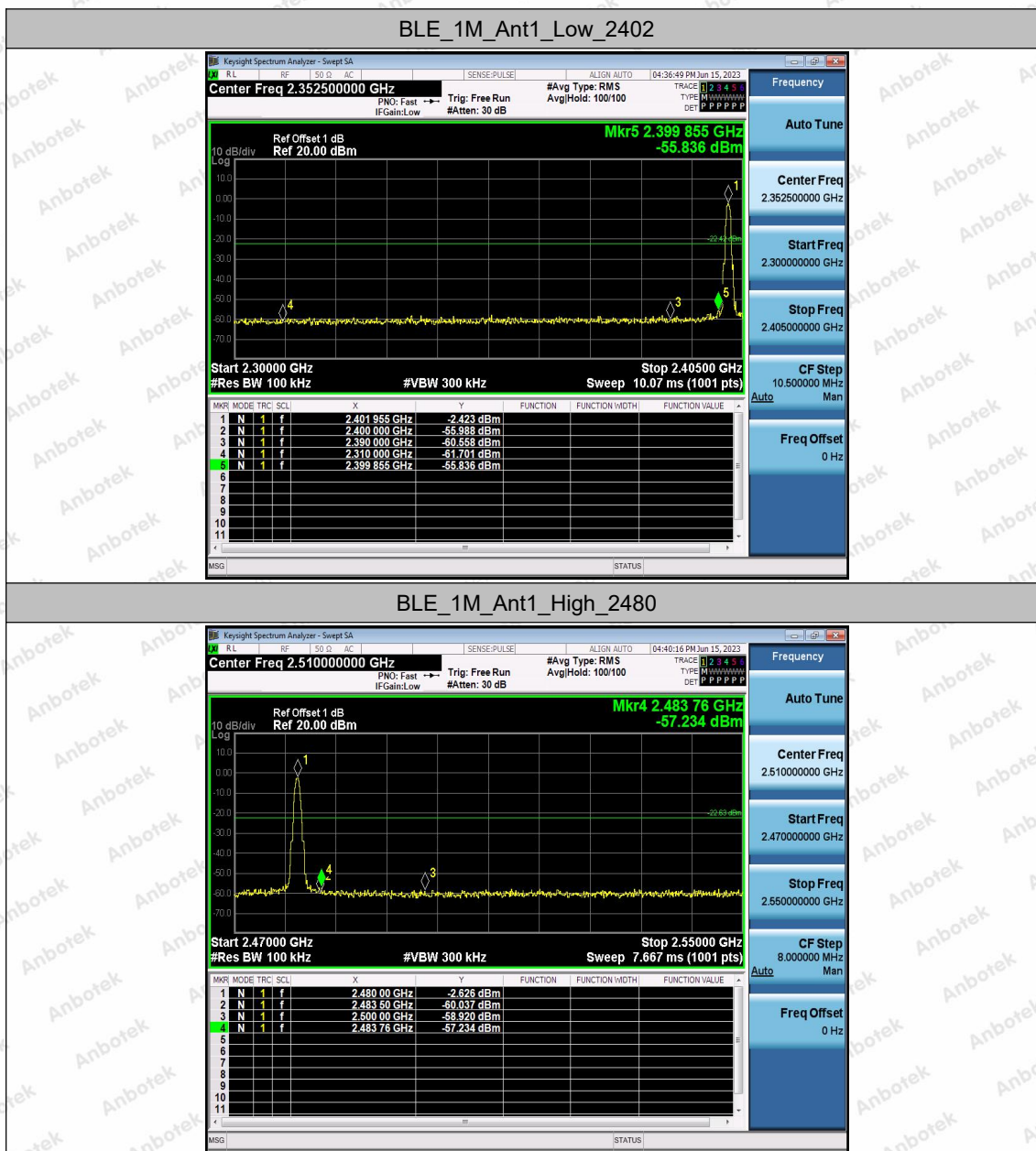
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.42	-55.84	≤-22.42	PASS
		High	2480	-2.63	-57.23	≤-22.63	PASS



Test Graphs



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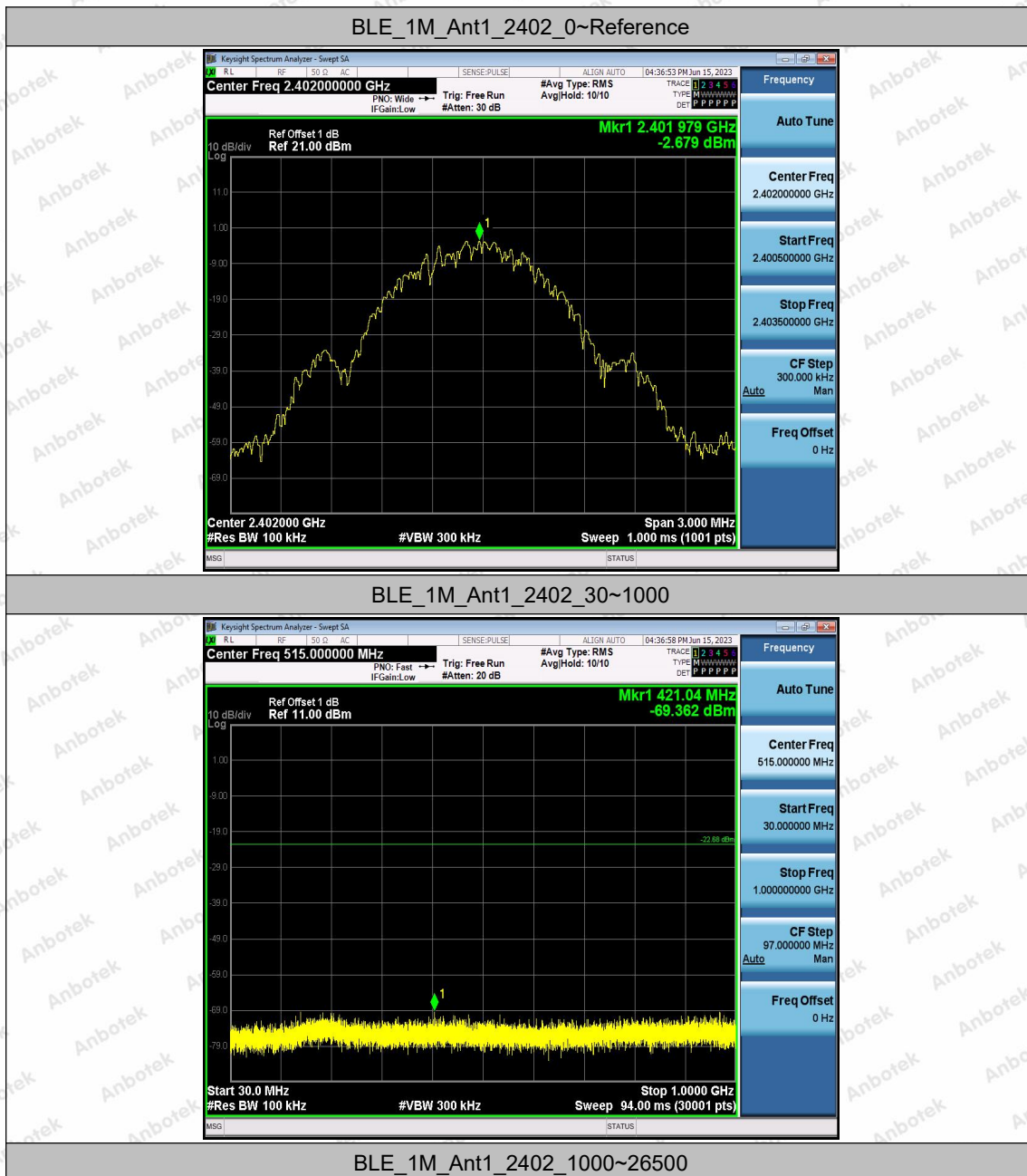
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.68	-2.68	---	PASS
			30~1000	-2.68	-69.36	≤-22.68	PASS
			1000~26500	-2.68	-52.99	≤-22.68	PASS
		2440	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-68.2	≤-22.42	PASS
			1000~26500	-2.42	-54.01	≤-22.42	PASS
		2480	Reference	-2.96	-2.96	---	PASS
			30~1000	-2.96	-69.05	≤-22.96	PASS
			1000~26500	-2.96	-53.82	≤-22.96	PASS



Test Graphs



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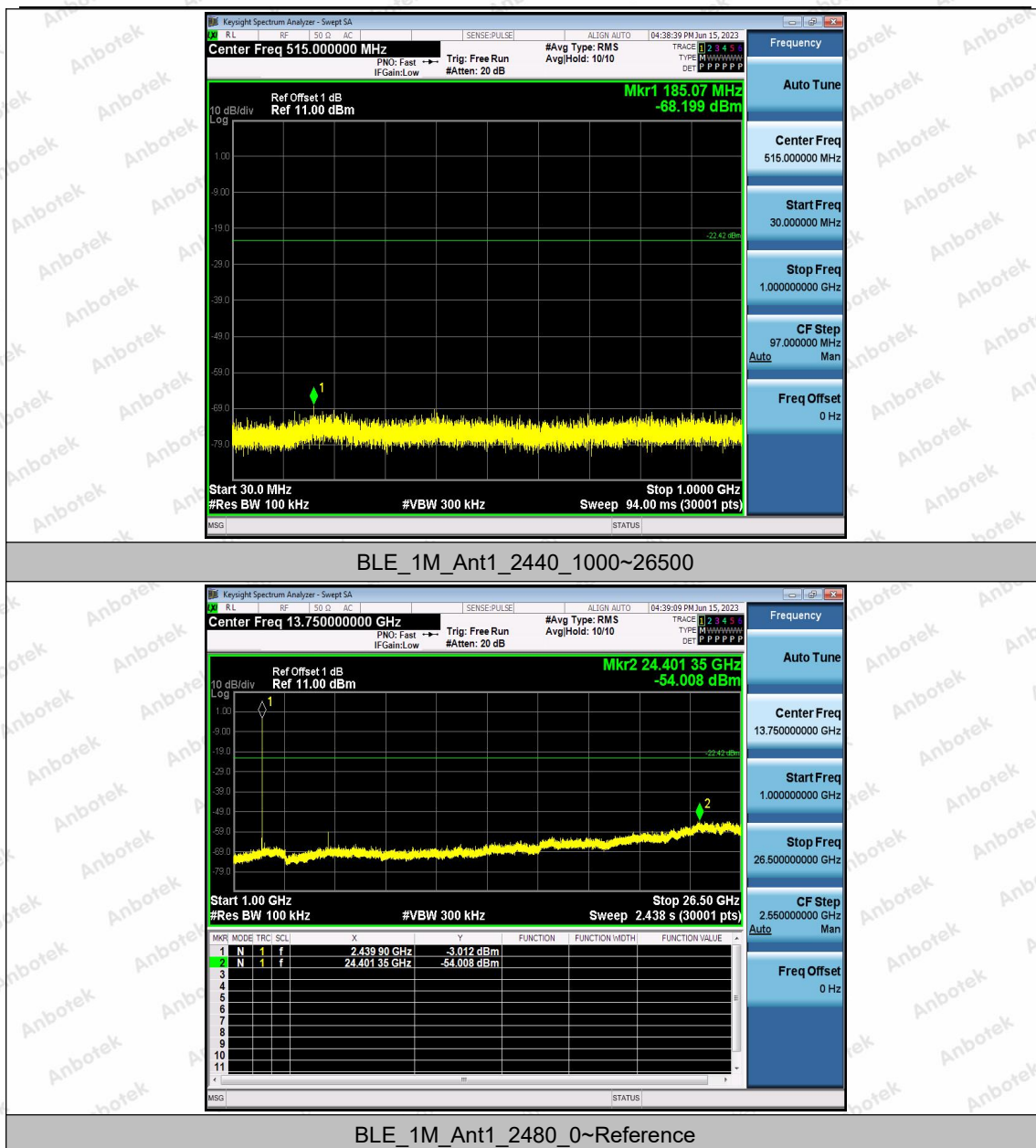


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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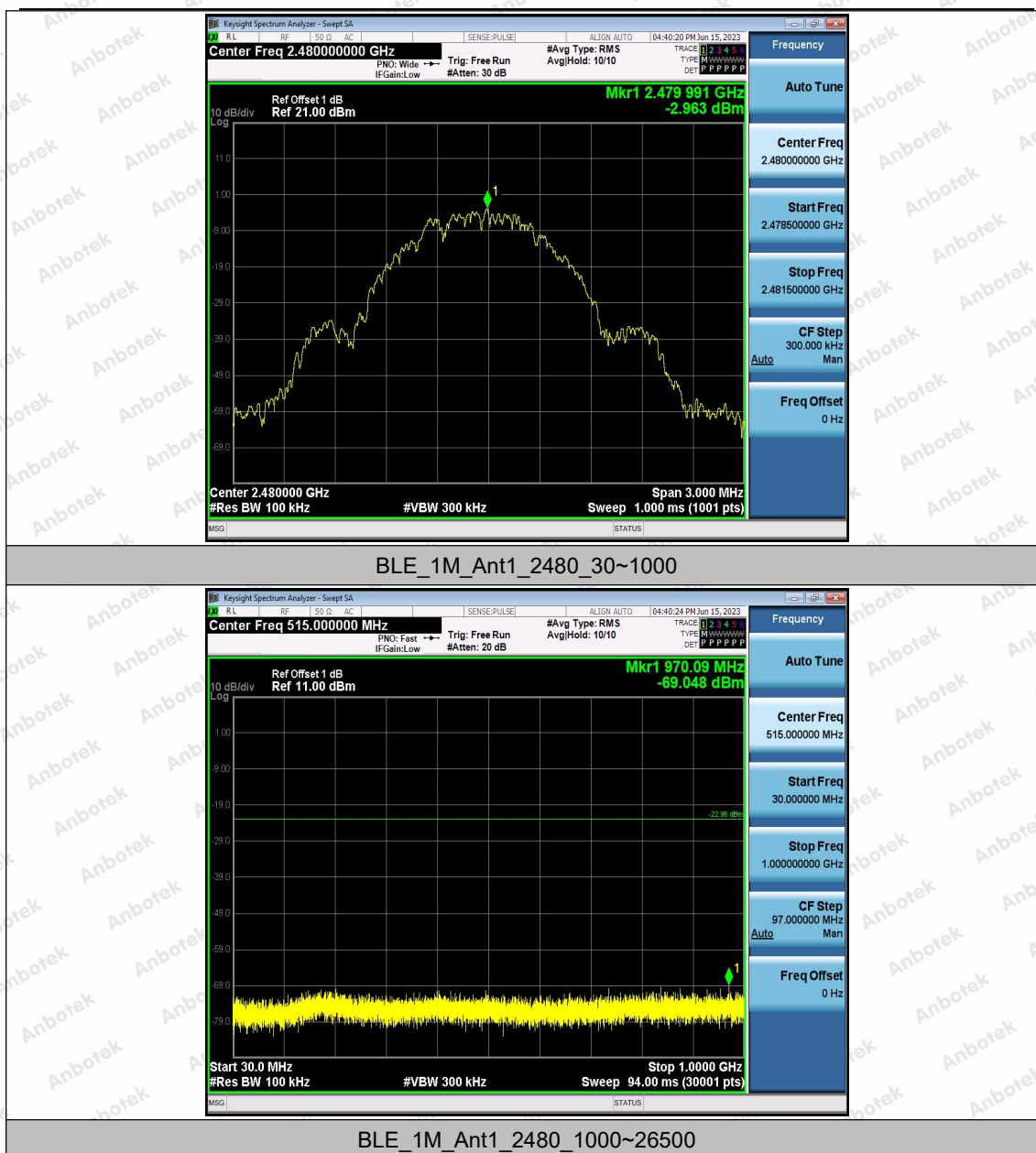


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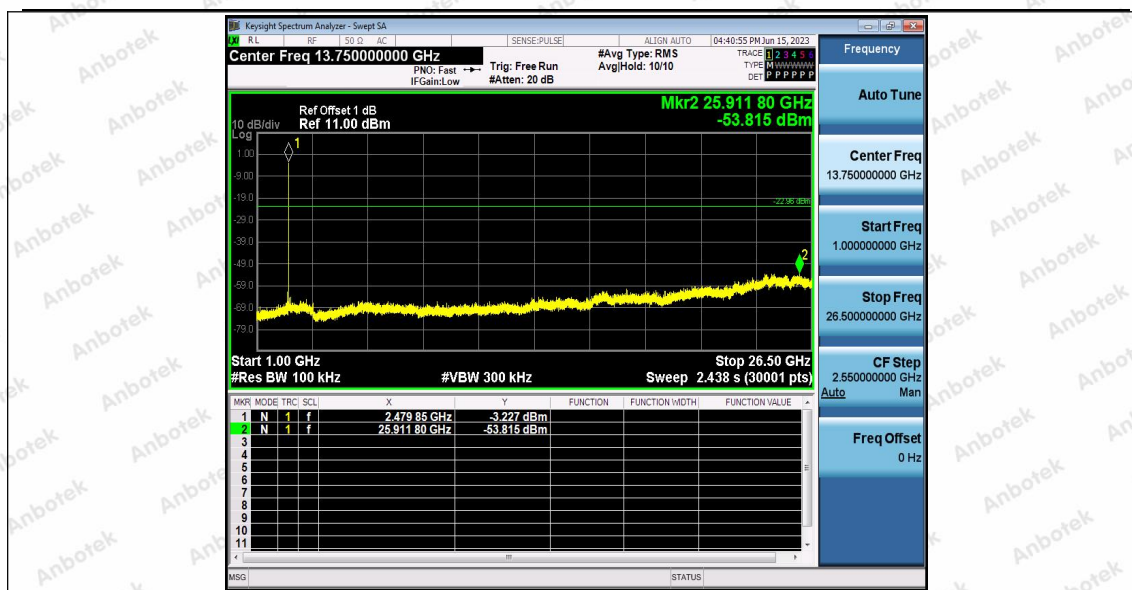
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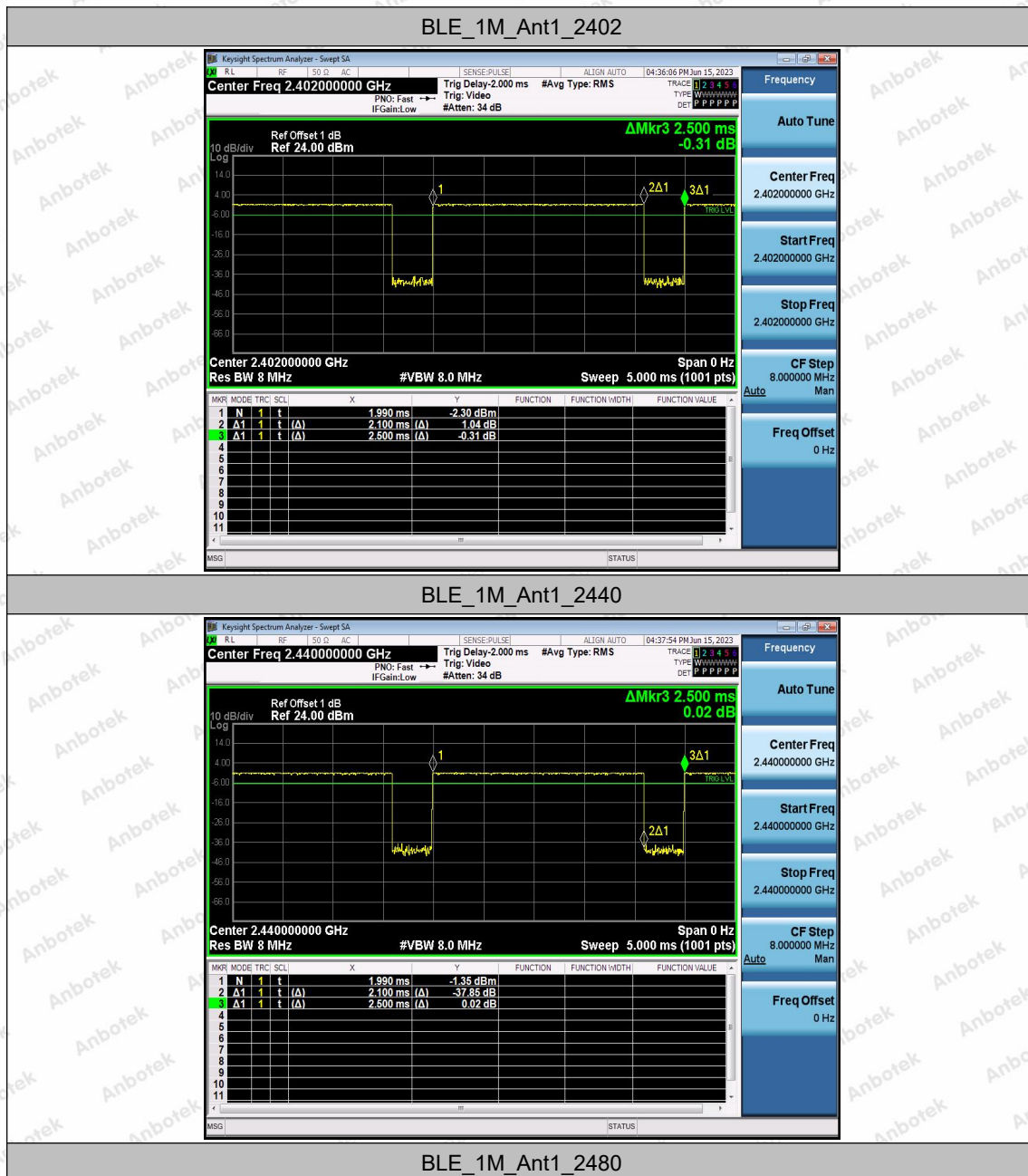
Appendix G: Duty Cycle

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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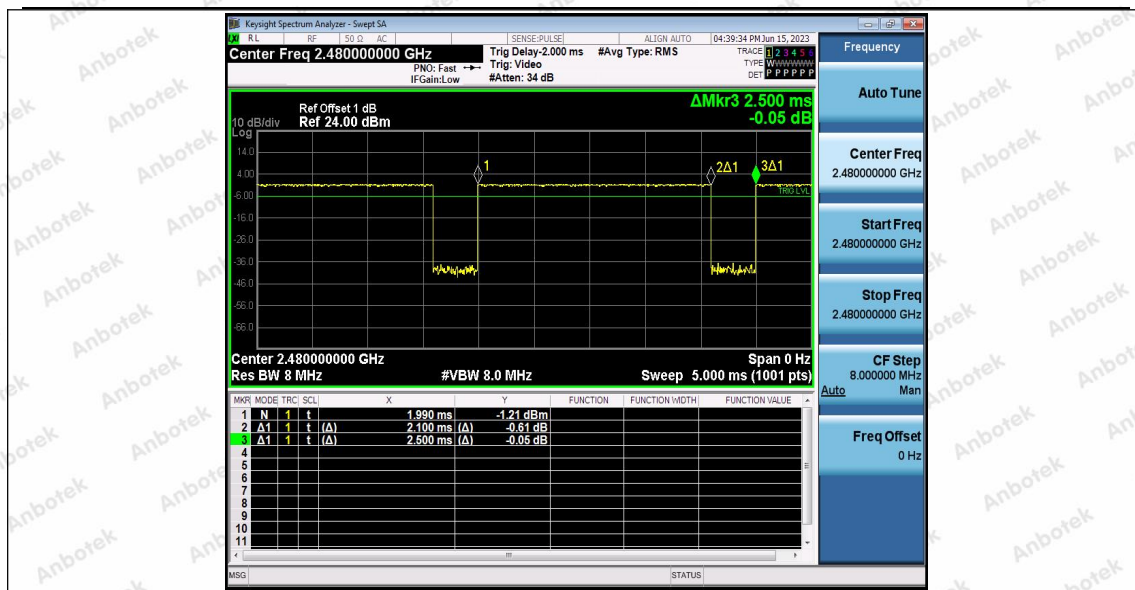


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