

Appendix Test Data

Report No.:	18220WC40024001	Test Sample No.:	1-2-2
Start Test Date:	2024.2.22	Finish Test Date:	2024.2.22
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	48%
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	0.520	2401.692	2402.212	0.5	PASS
		2440	0.520	2439.696	2440.216	0.5	PASS
		2480	0.532	2479.688	2480.220	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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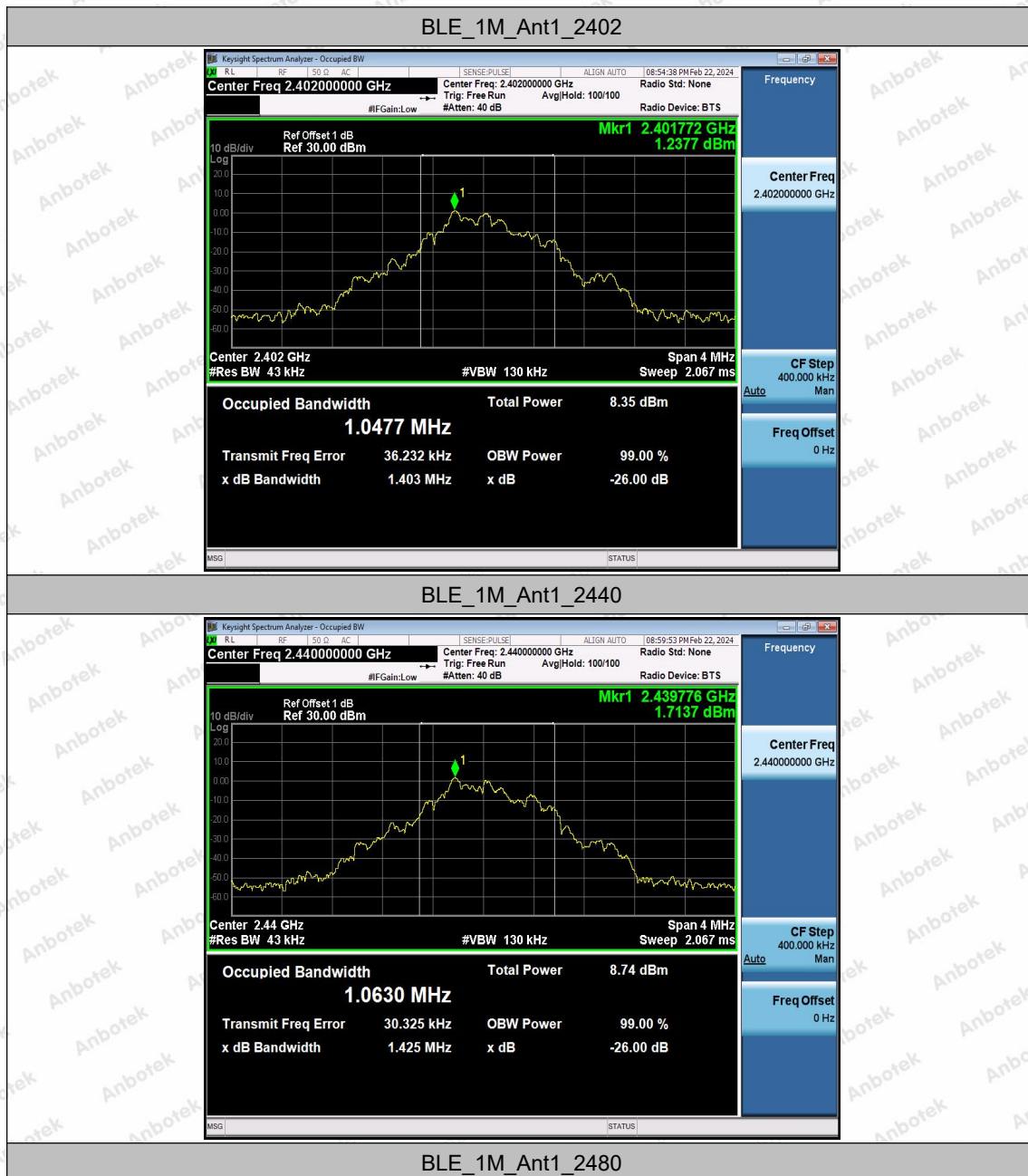
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0477	2401.5124	2402.5601
		2440	1.0630	2439.4988	2440.5618
		2480	1.1165	2479.4501	2480.5666



Test Graphs



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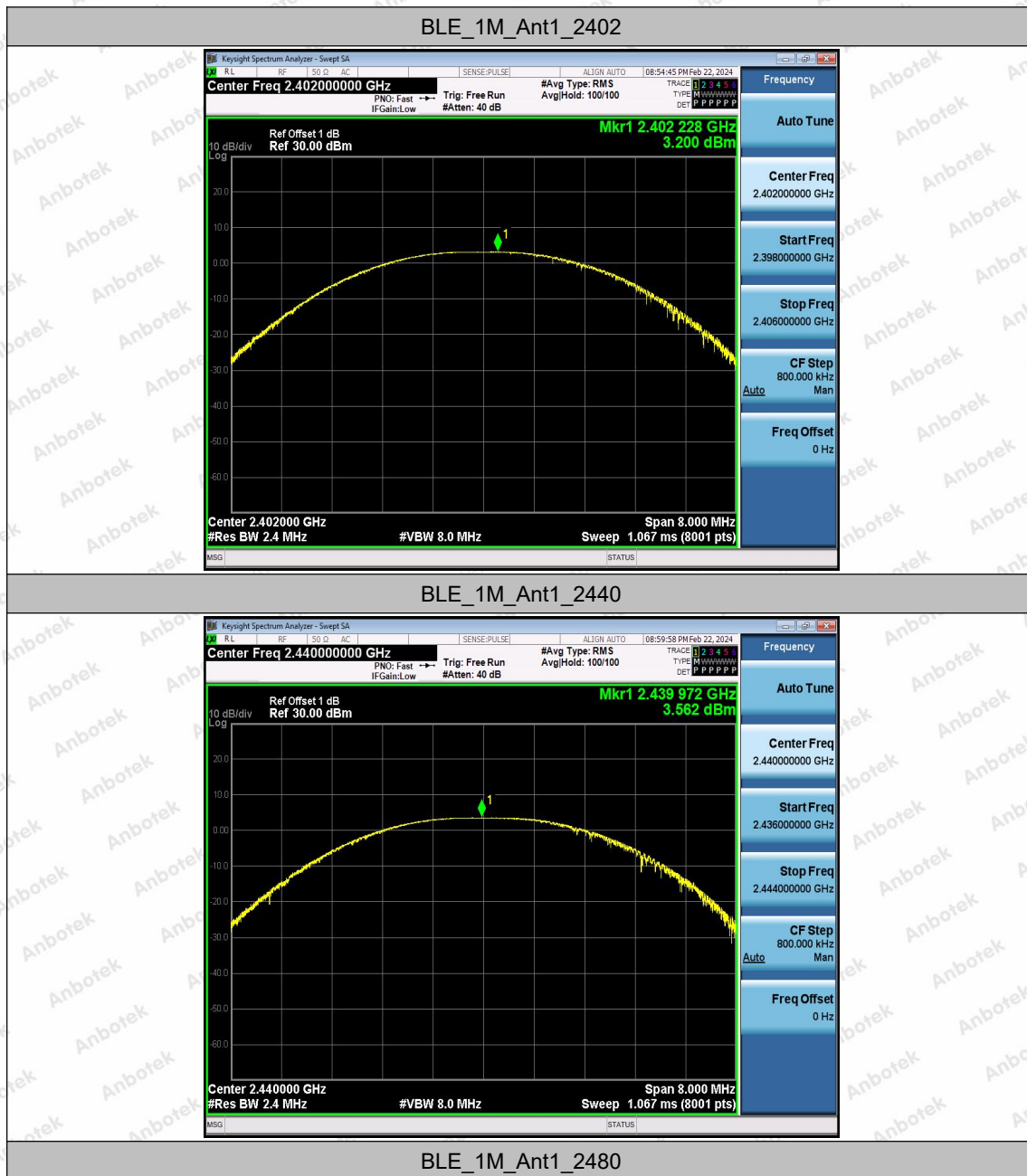
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.20	≤30	PASS
		2440	3.56	≤30	PASS
		2480	3.67	≤30	PASS



Test Graphs Peak



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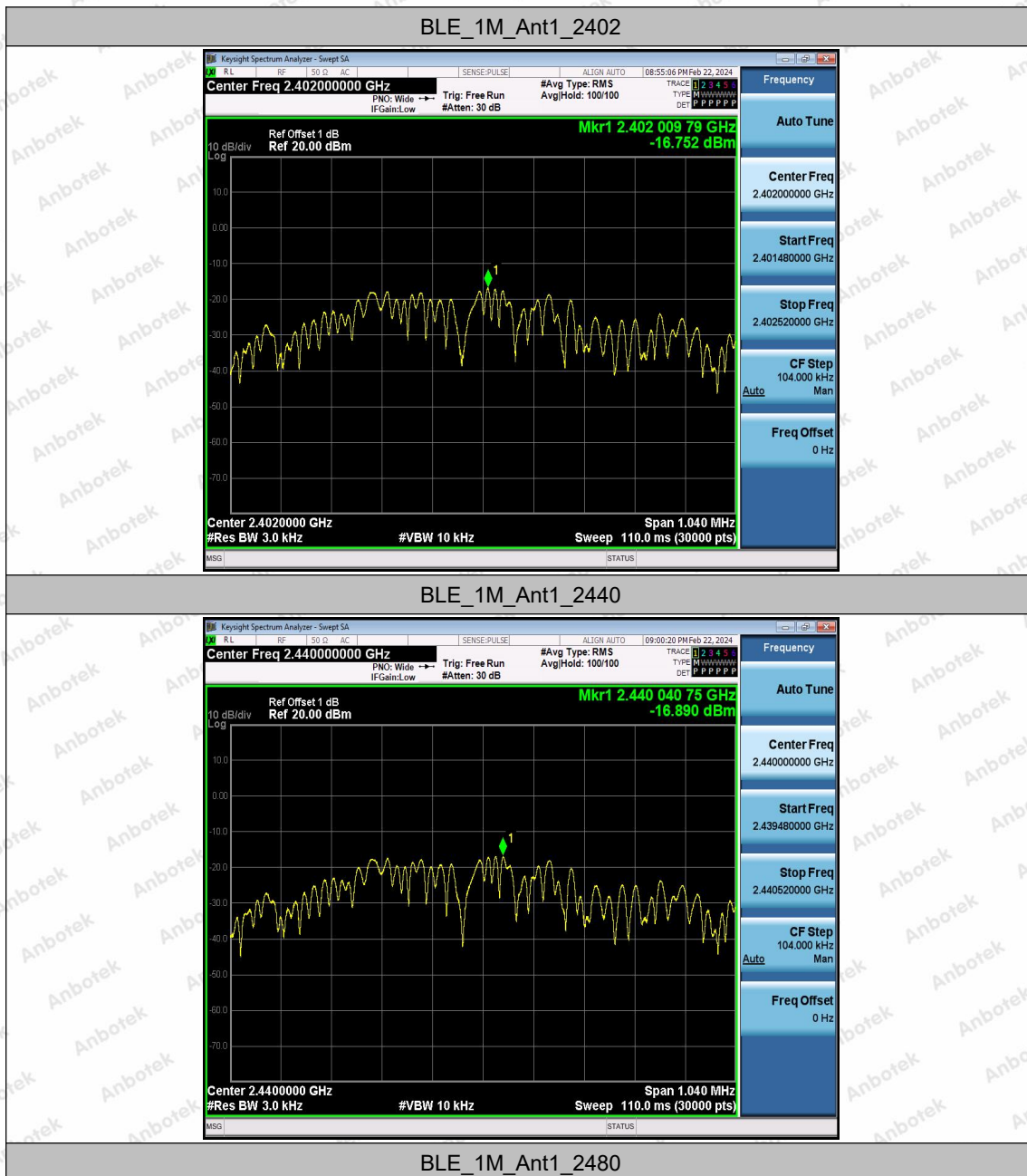
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.75	≤8.00	PASS
		2440	-16.89	≤8.00	PASS
		2480	-16.69	≤8.00	PASS



Test Graphs



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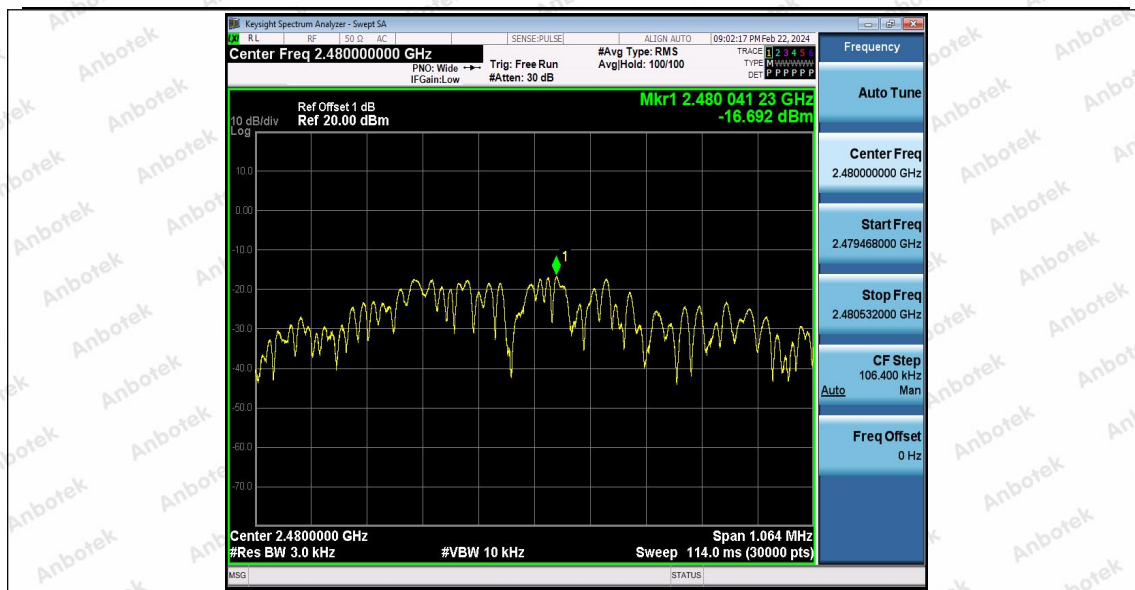


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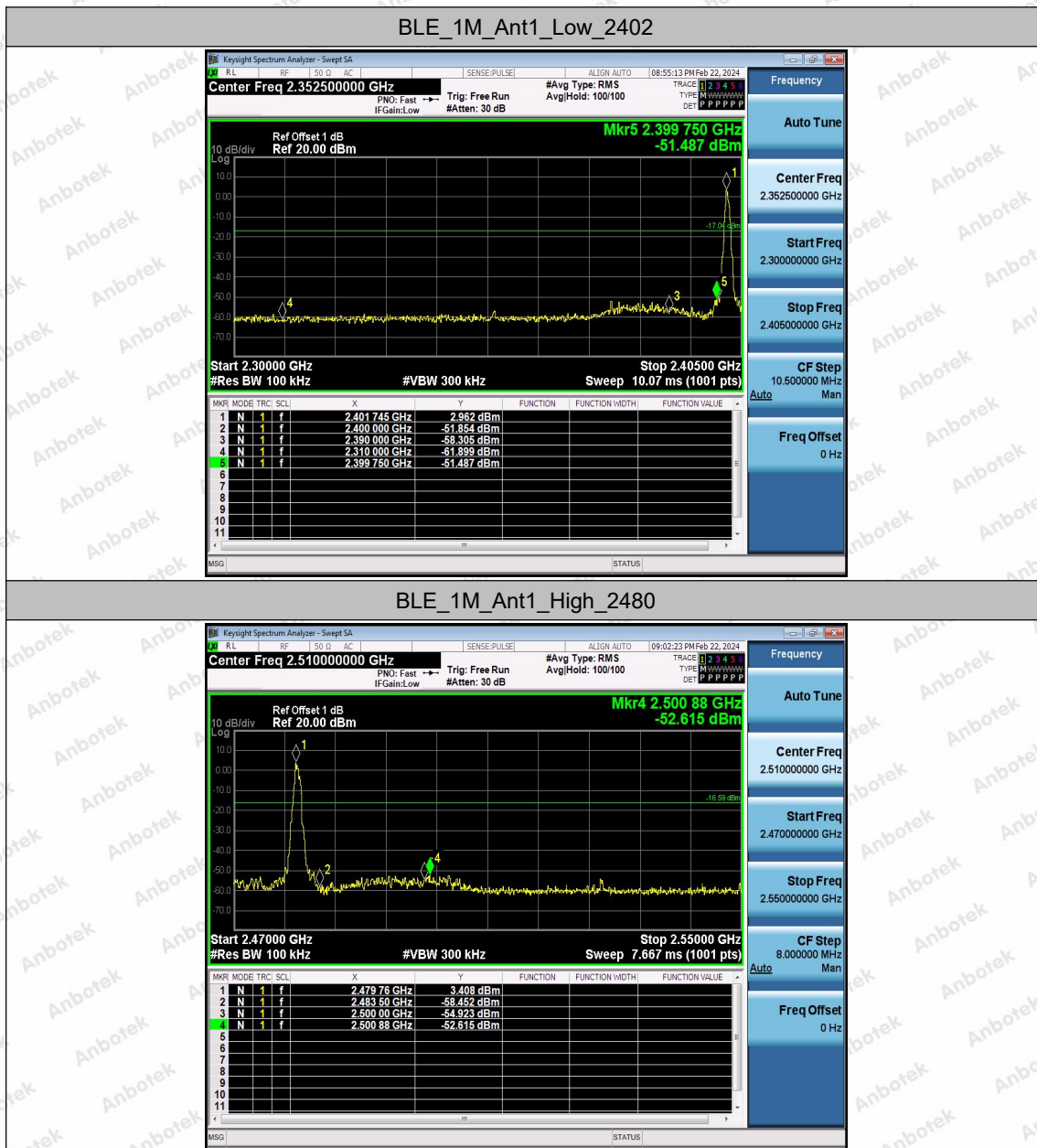
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.96	-51.49	≤-17.04	PASS
		High	2480	3.41	-52.62	≤-16.59	PASS



Test Graphs



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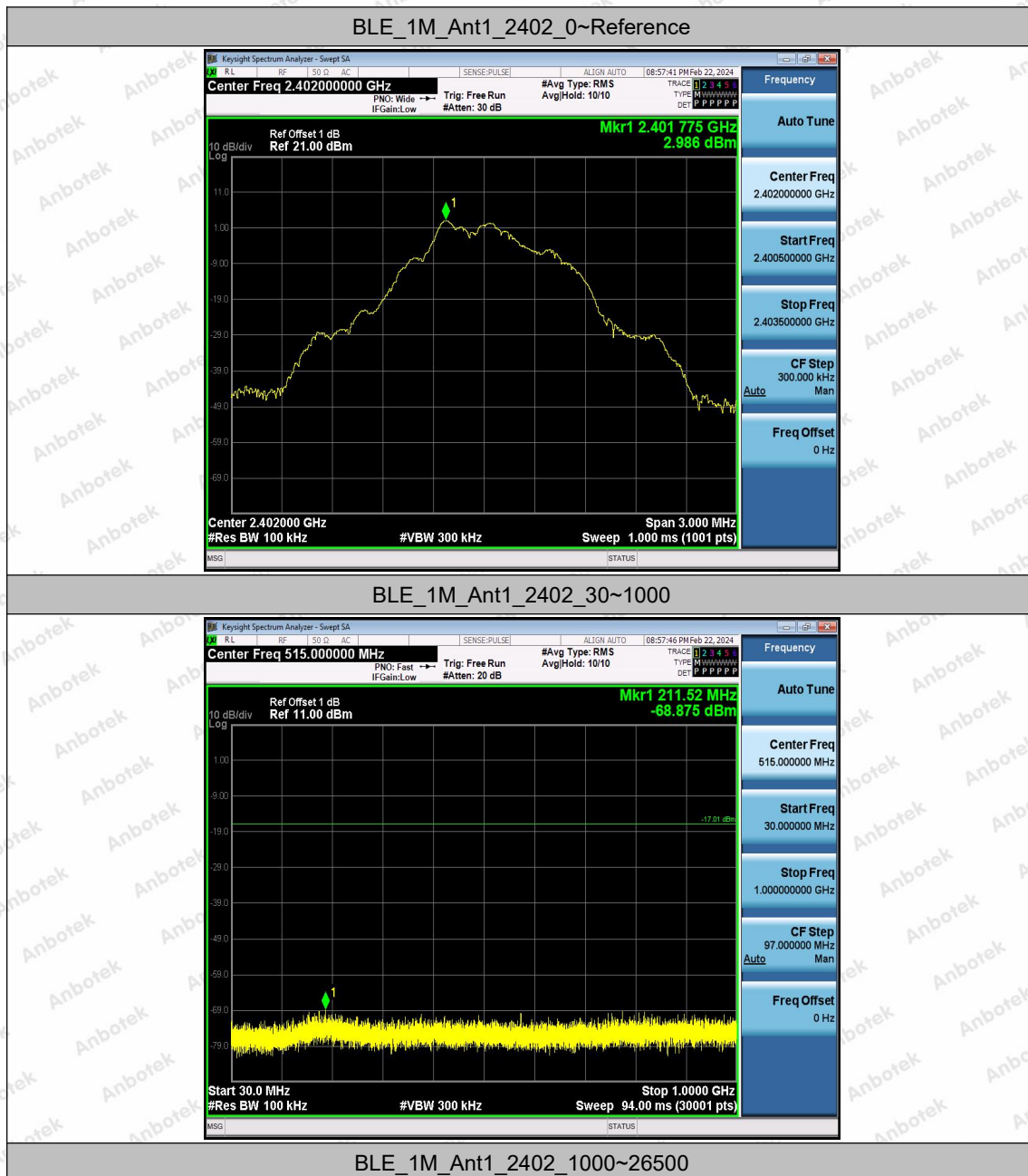
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-68.88	≤-17.01	PASS
			1000~26500	2.99	-50.11	≤-17.01	PASS
		2440	Reference	3.36	3.36	---	PASS
			30~1000	3.36	-68.06	≤-16.64	PASS
			1000~26500	3.36	-48.04	≤-16.64	PASS
		2480	Reference	3.50	3.50	---	PASS
			30~1000	3.50	-69.29	≤-16.5	PASS
			1000~26500	3.50	-44.53	≤-16.5	PASS



Test Graphs



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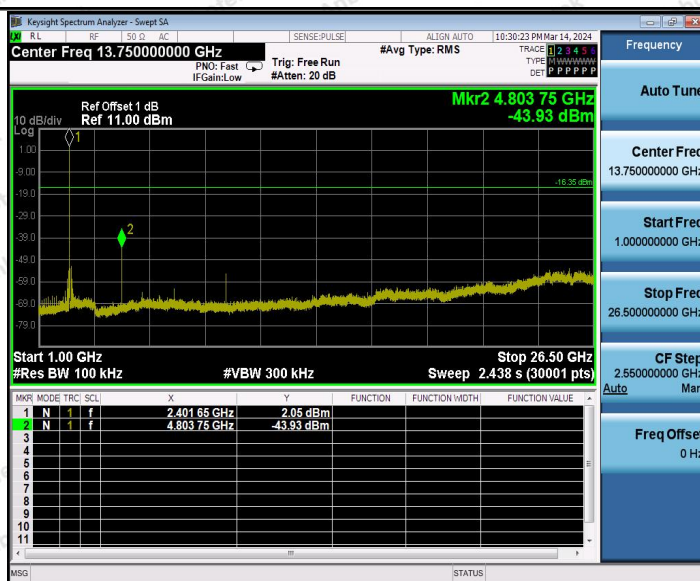


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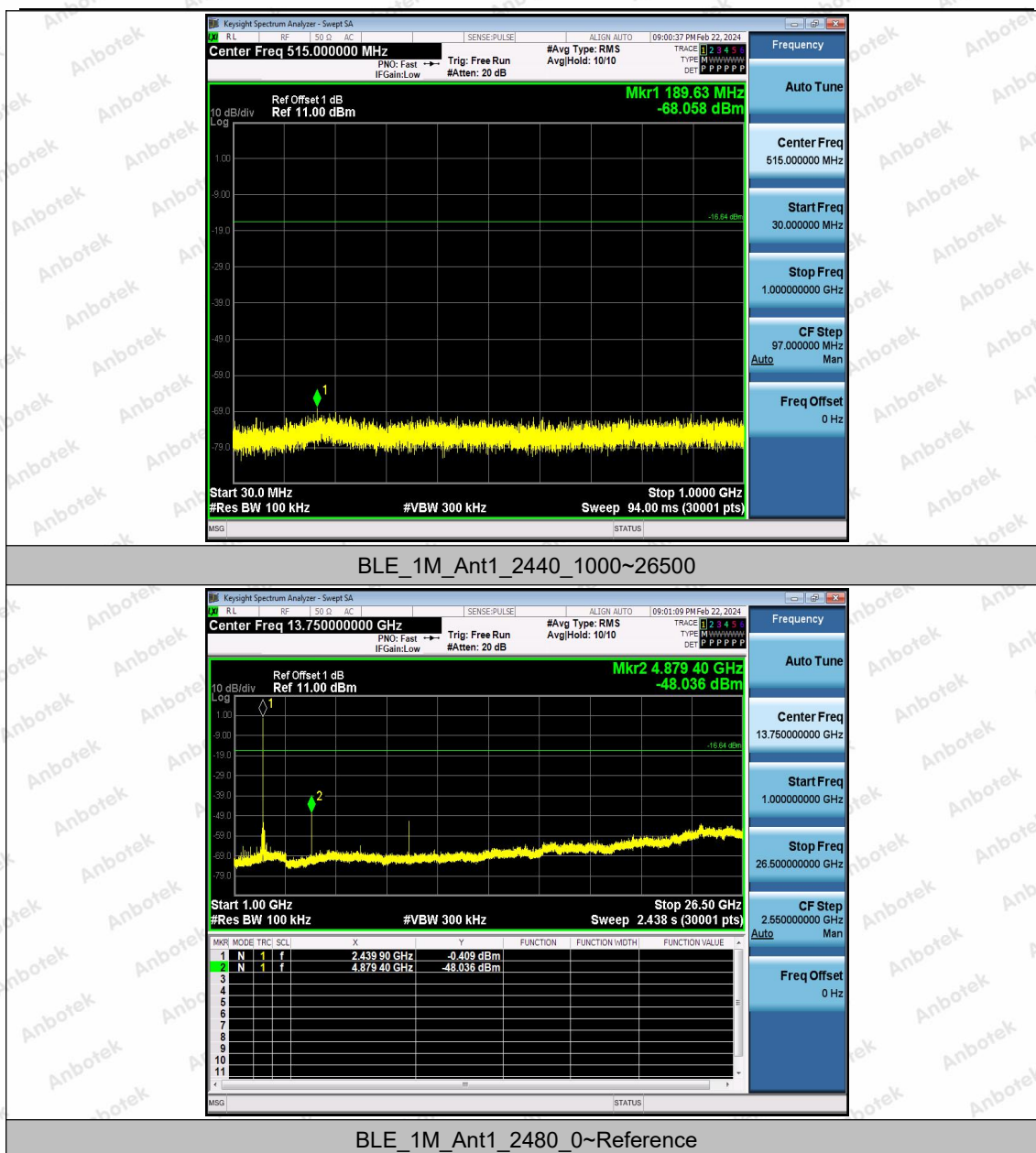


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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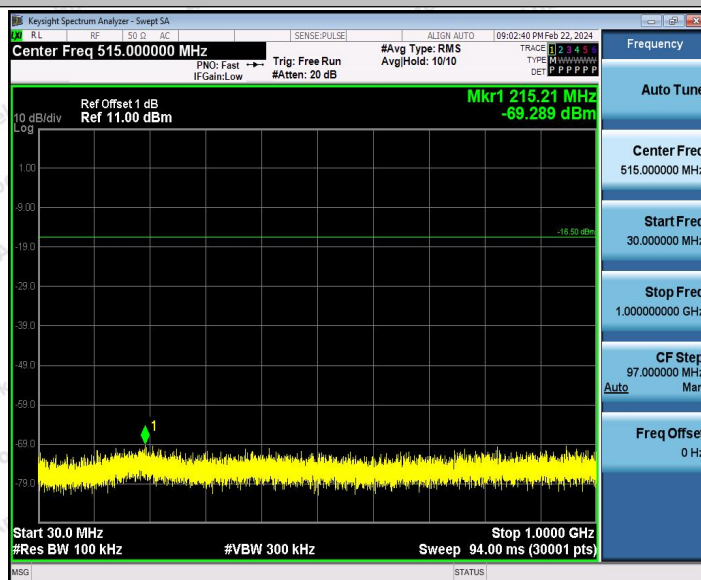


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

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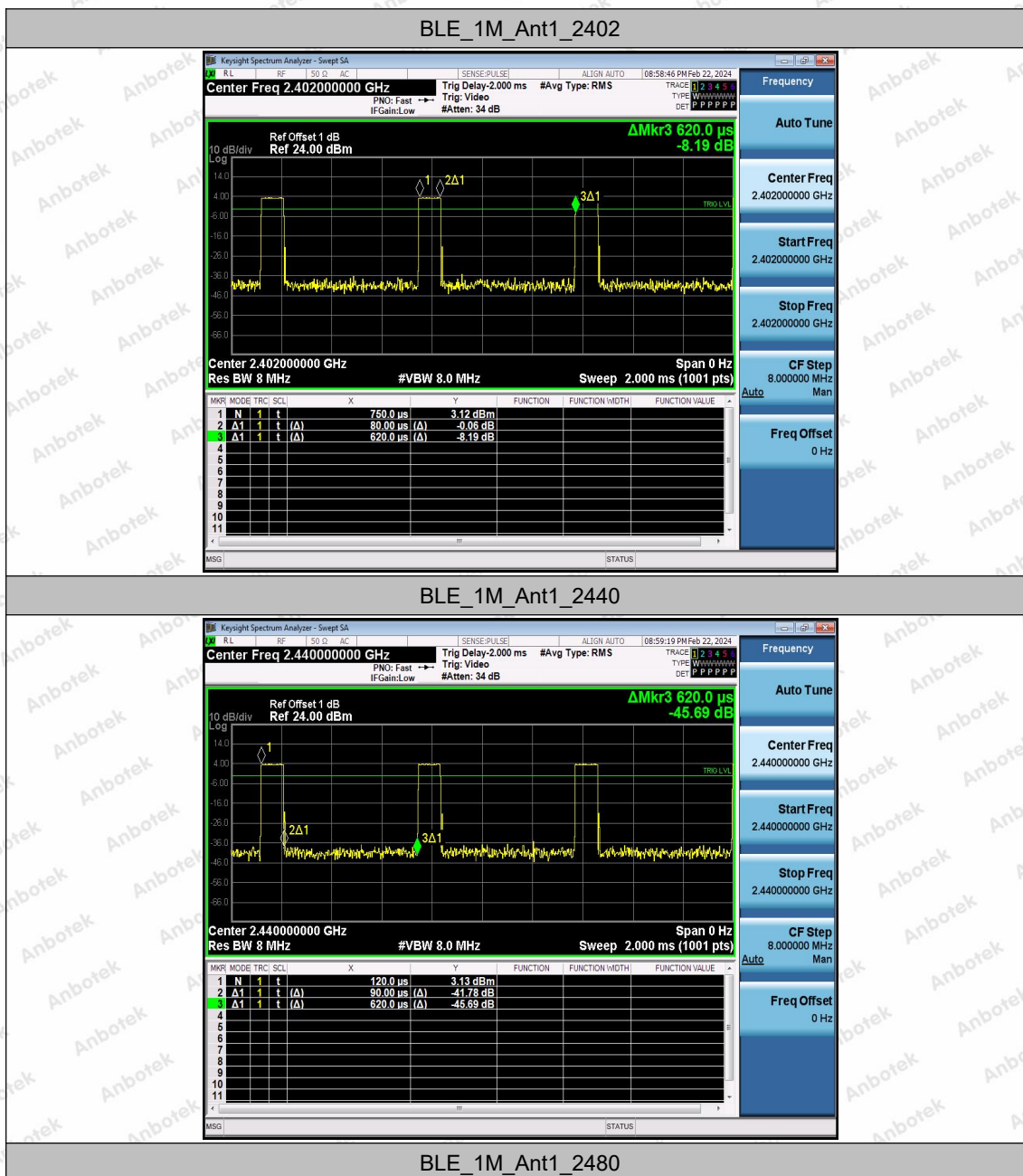
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.08	0.62	12.90	8.89
		2440	0.09	0.62	14.52	8.38
		2480	0.09	0.63	14.29	8.45



Test Graphs



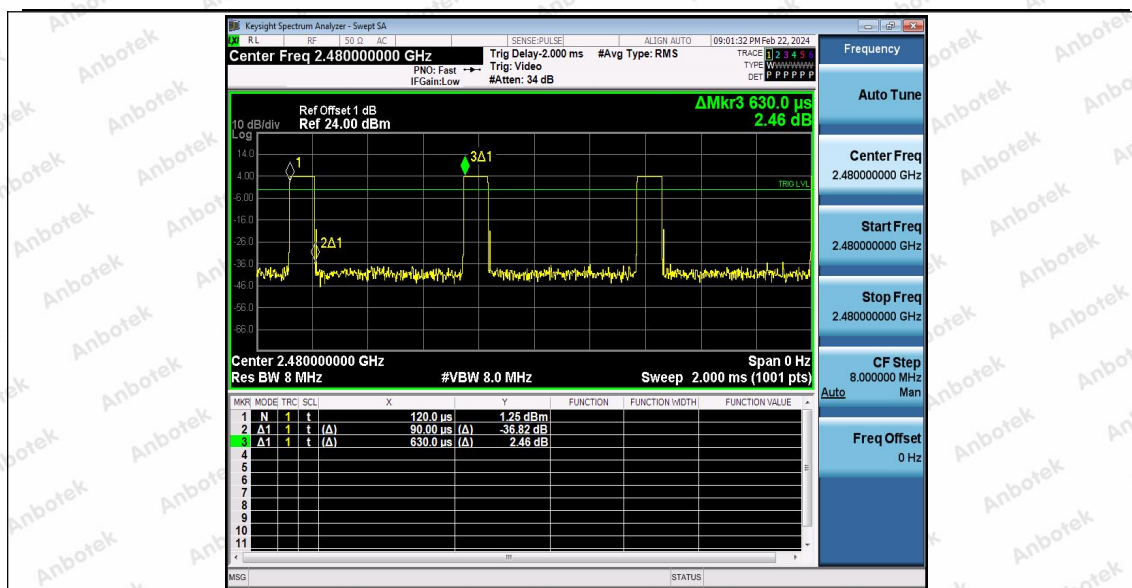
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