

Appendix Test Data

Report No.:	18220WC30194102	Test Sample No.:	1-2-2
Start Test Date:	2023.09.06	Finish Test Date:	2023.09.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	102 kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.664	2402.340	0.5	PASS
		2440	0.684	2439.644	2440.328	0.5	PASS
		2480	0.684	2479.652	2480.336	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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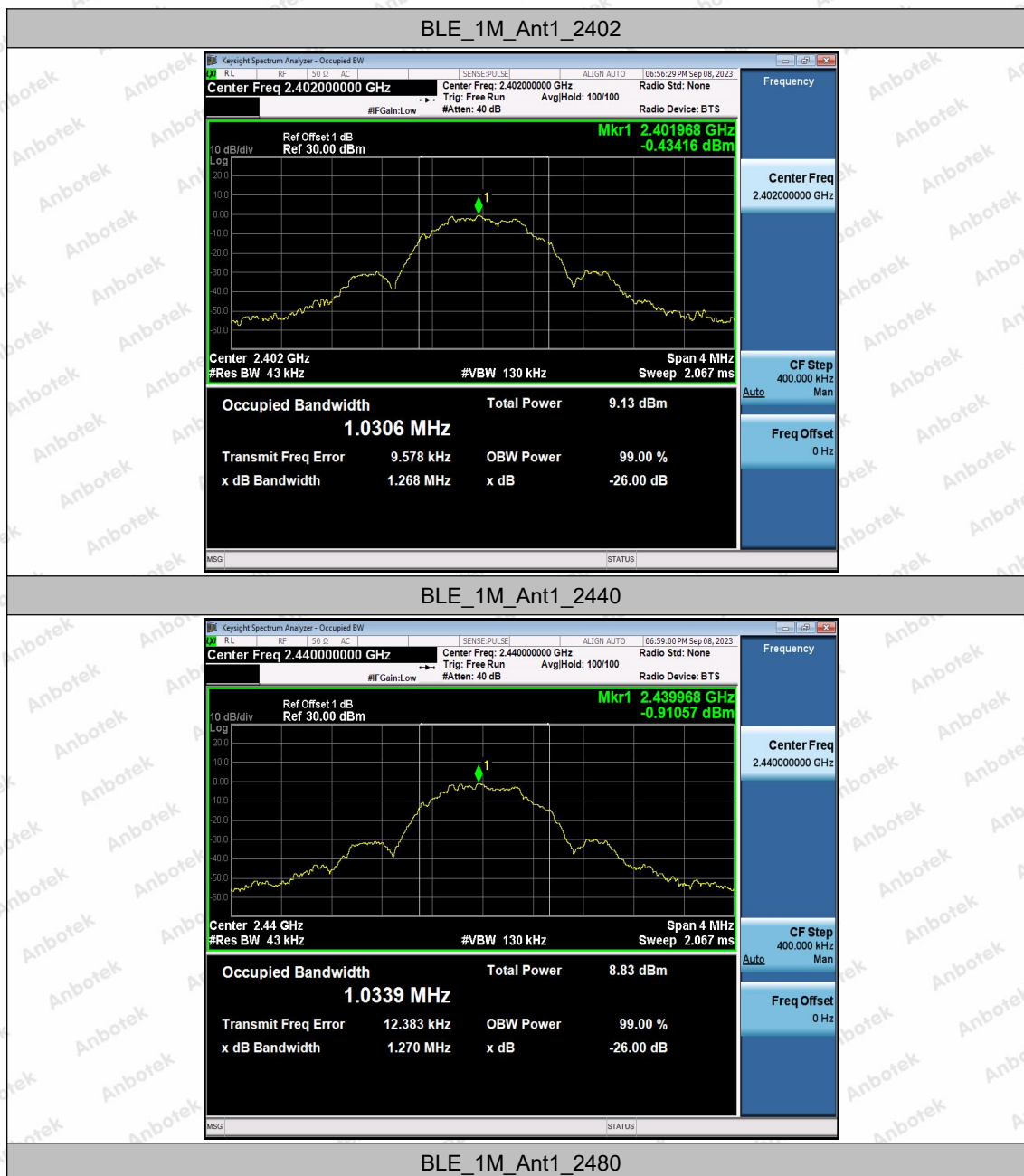
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0306	2401.4943	2402.5249
		2440	1.0339	2439.4954	2440.5293
		2480	1.0318	2479.4937	2480.5255



Test Graphs



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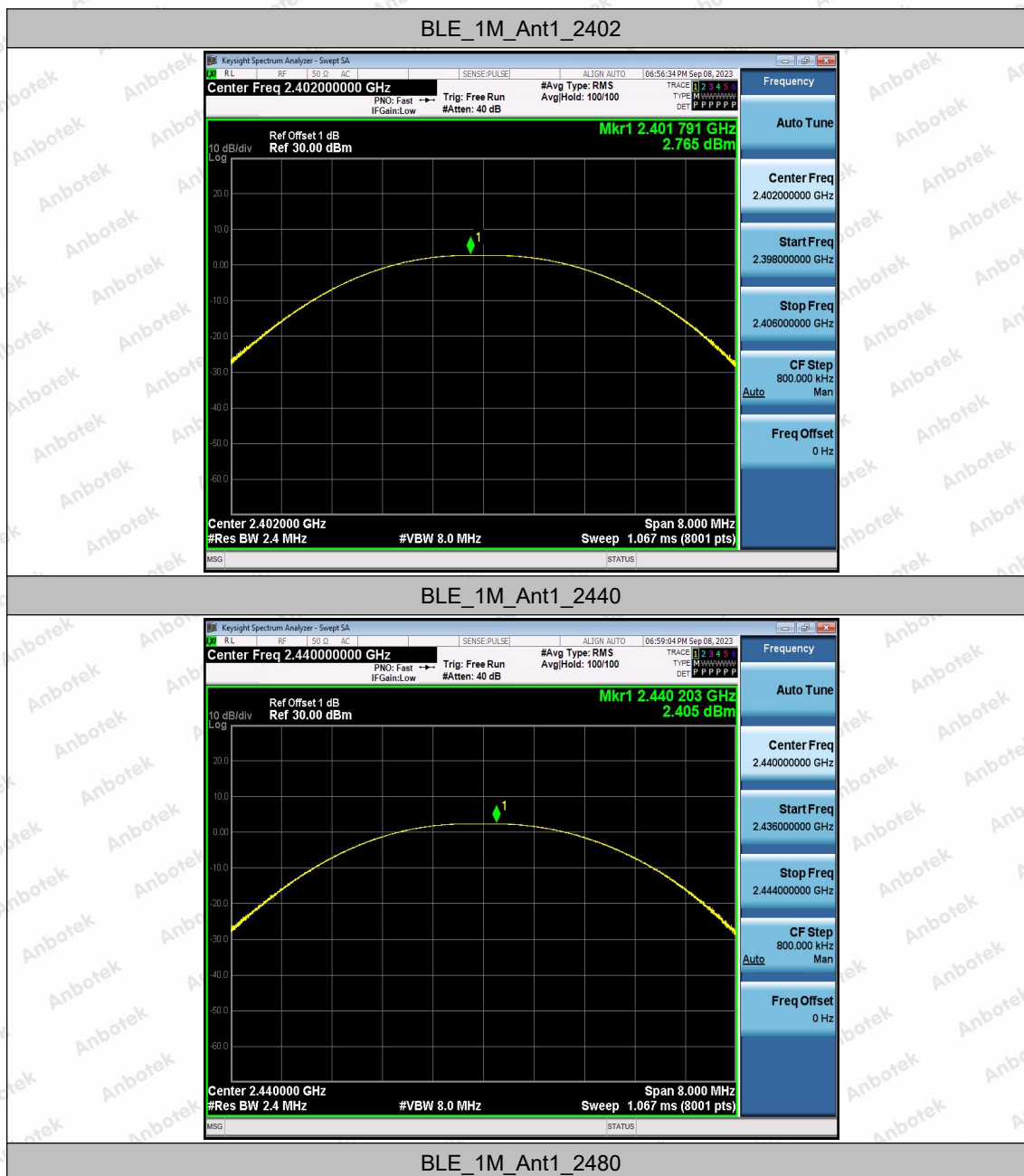
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.77	≤30	PASS
		2440	2.41	≤30	PASS
		2480	1.65	≤30	PASS



Test Graphs Peak



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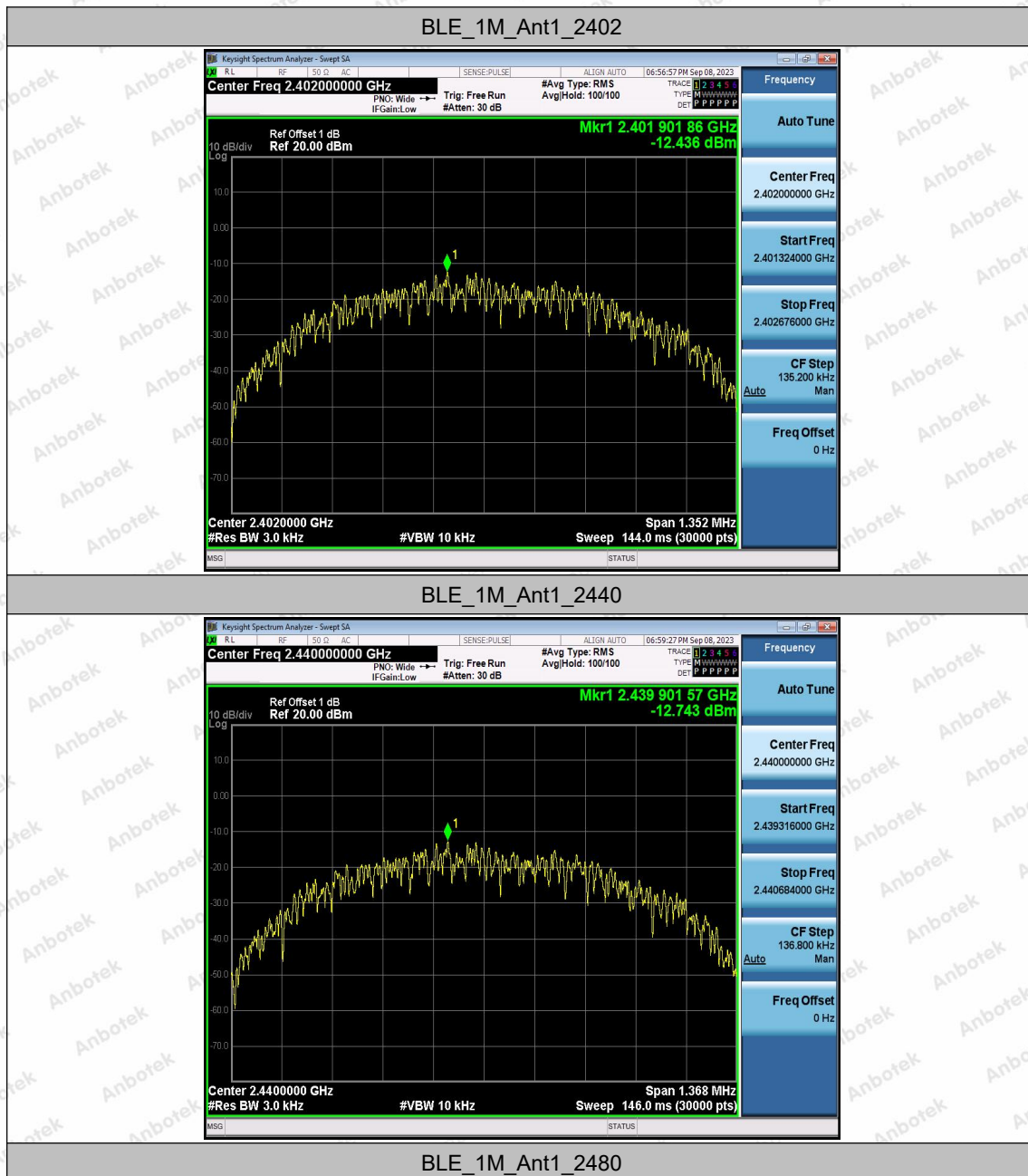
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.44	≤8.00	PASS
		2440	-12.74	≤8.00	PASS
		2480	-13.52	≤8.00	PASS



Test Graphs



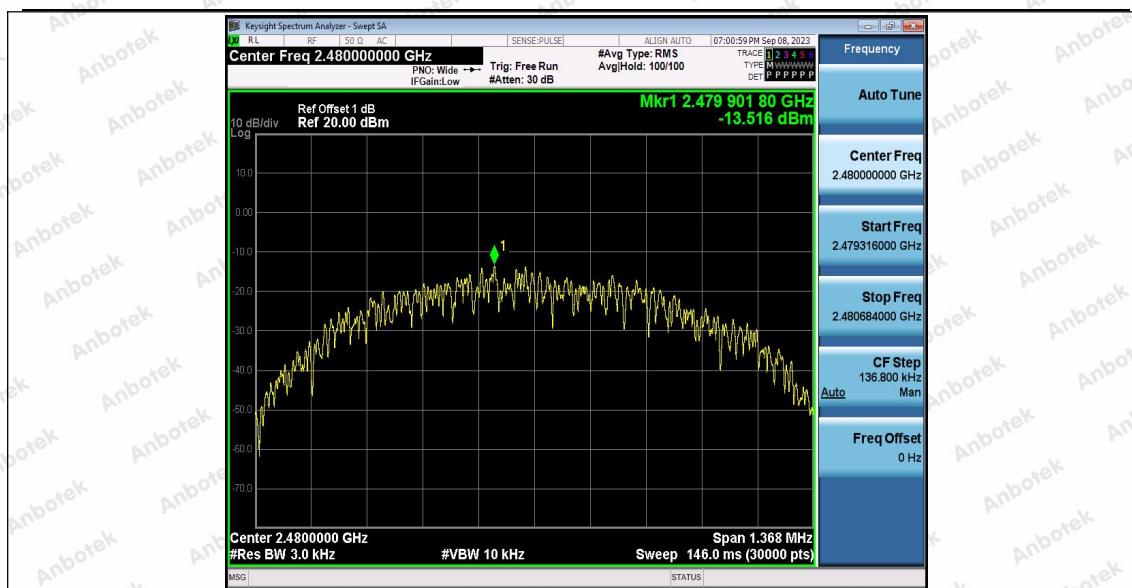
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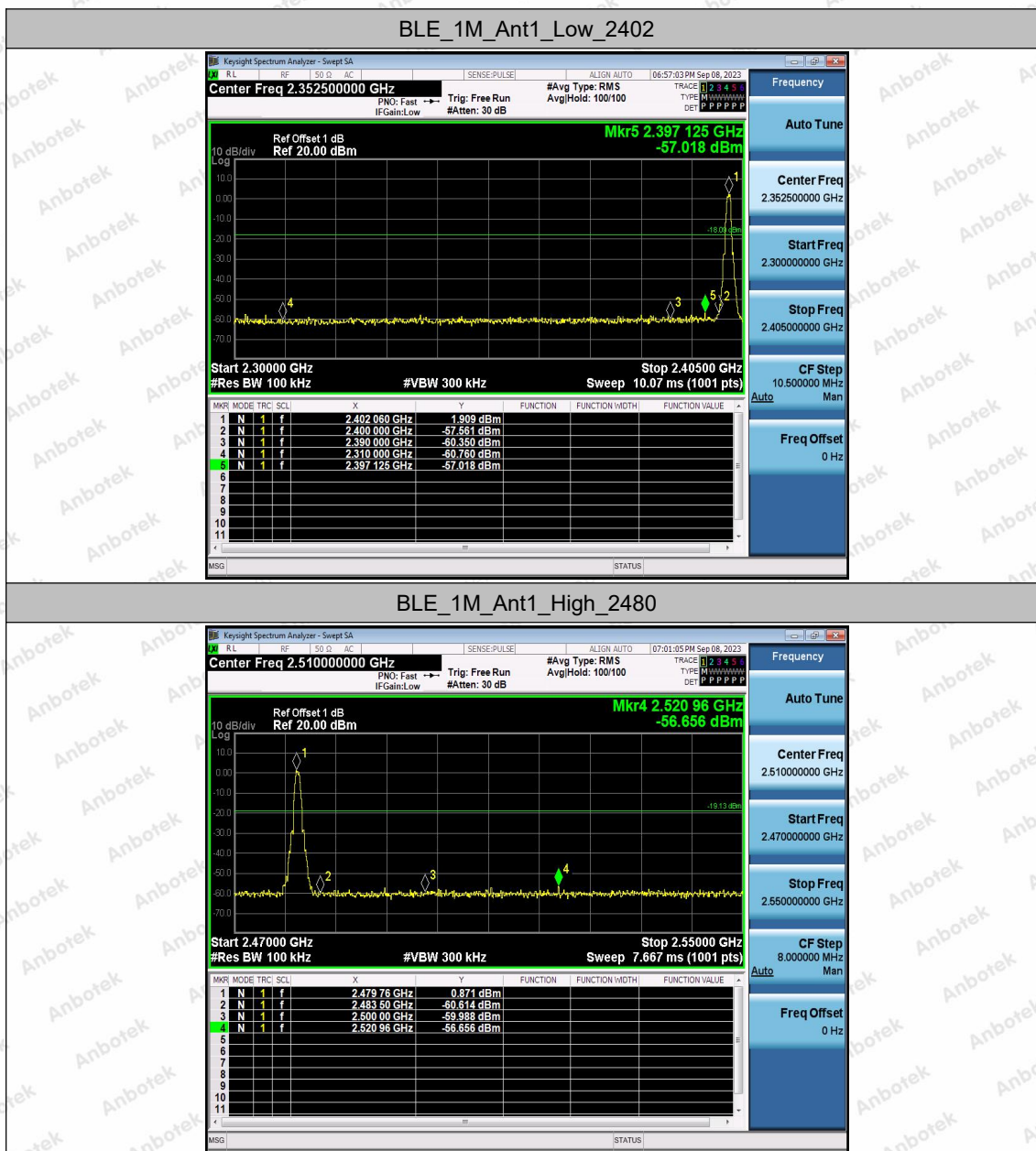
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.91	-57.02	≤-18.09	PASS
		High	2480	0.87	-56.66	≤-19.13	PASS



Test Graphs



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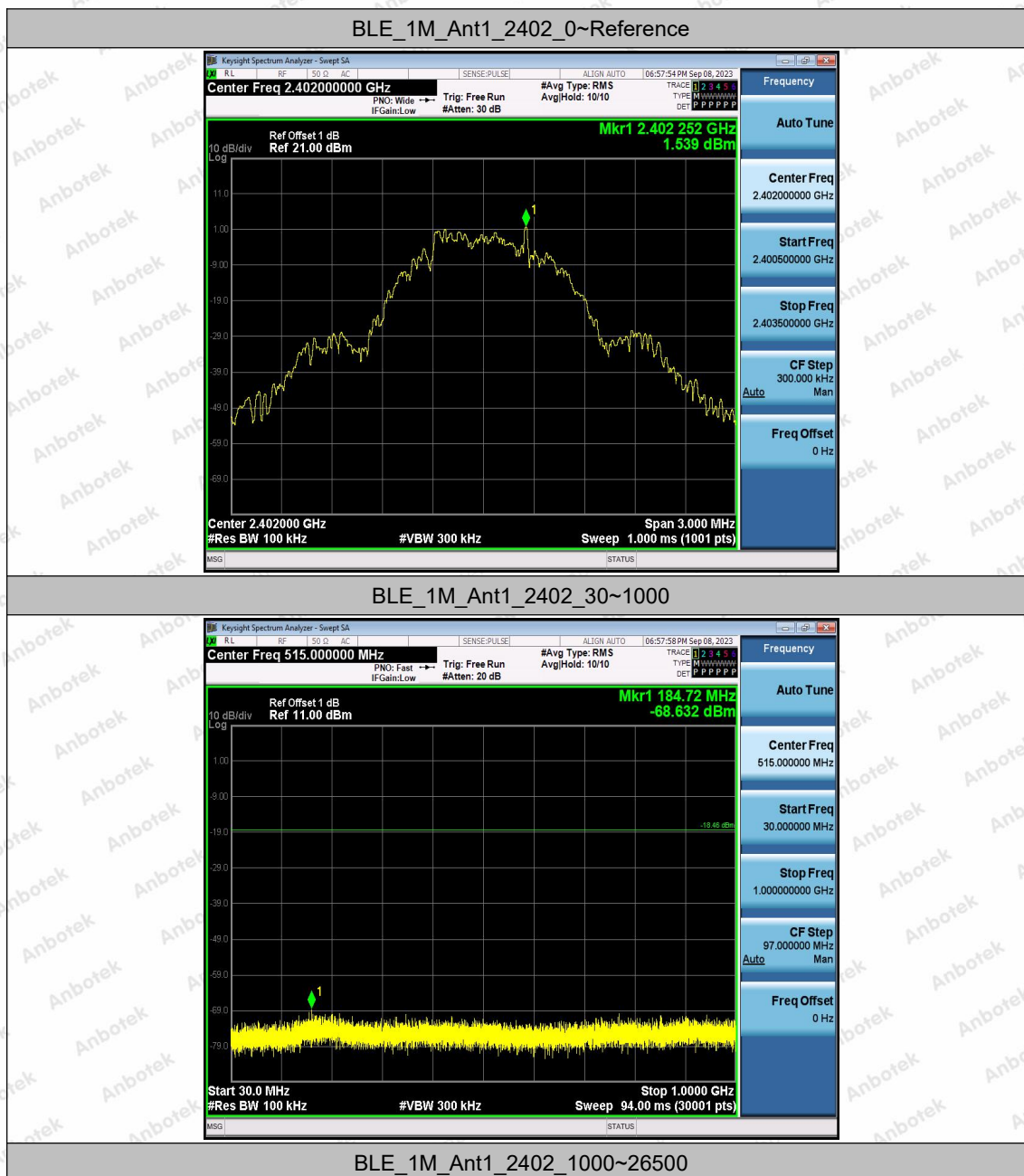
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.54	1.54	---	PASS
			30~1000	1.54	-68.63	≤-18.46	PASS
			1000~26500	1.54	-47.03	≤-18.46	PASS
		2440	Reference	0.81	0.81	---	PASS
			30~1000	0.81	-69.06	≤-19.19	PASS
			1000~26500	0.81	-37.57	≤-19.19	PASS
		2480	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-69.28	≤-19.35	PASS
			1000~26500	0.65	-54.18	≤-19.35	PASS



Test Graphs



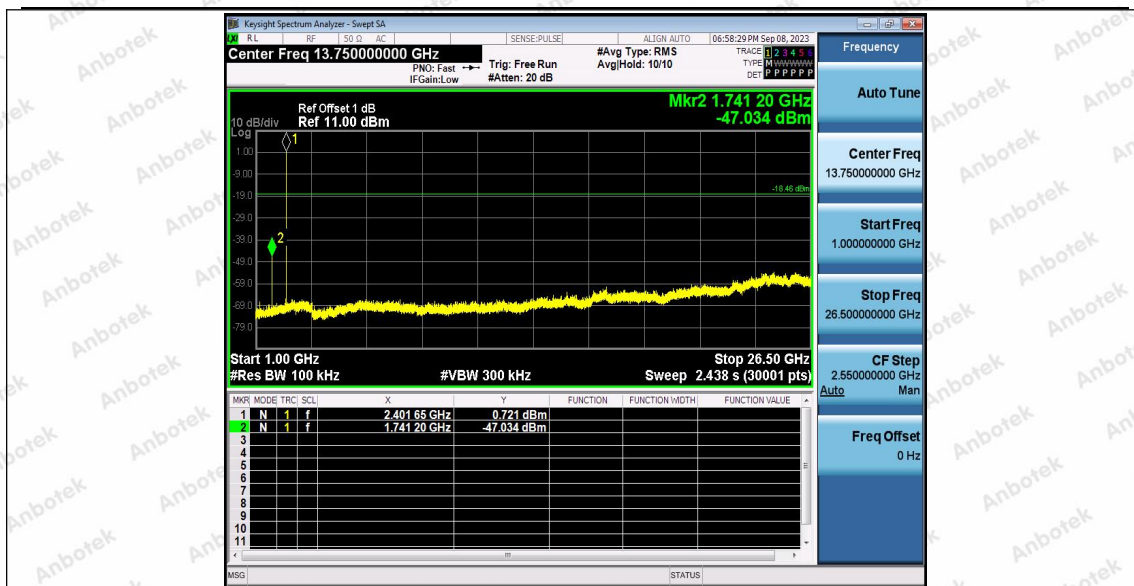
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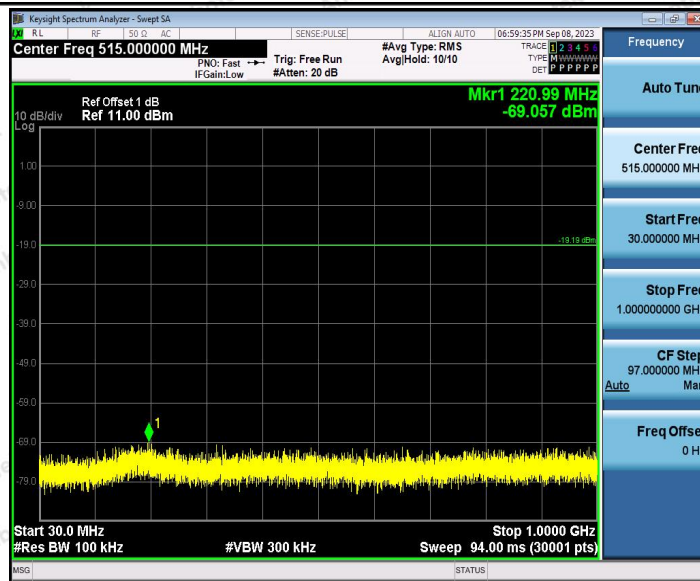


BLE_1M_Ant1_2440_0~Reference

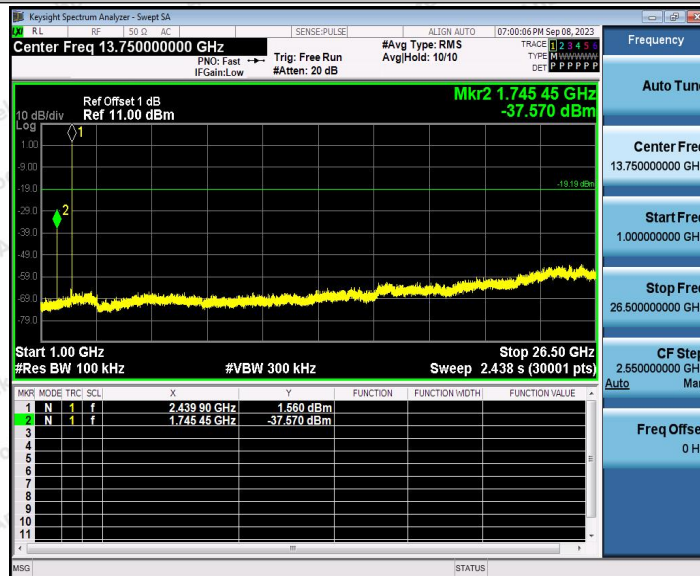


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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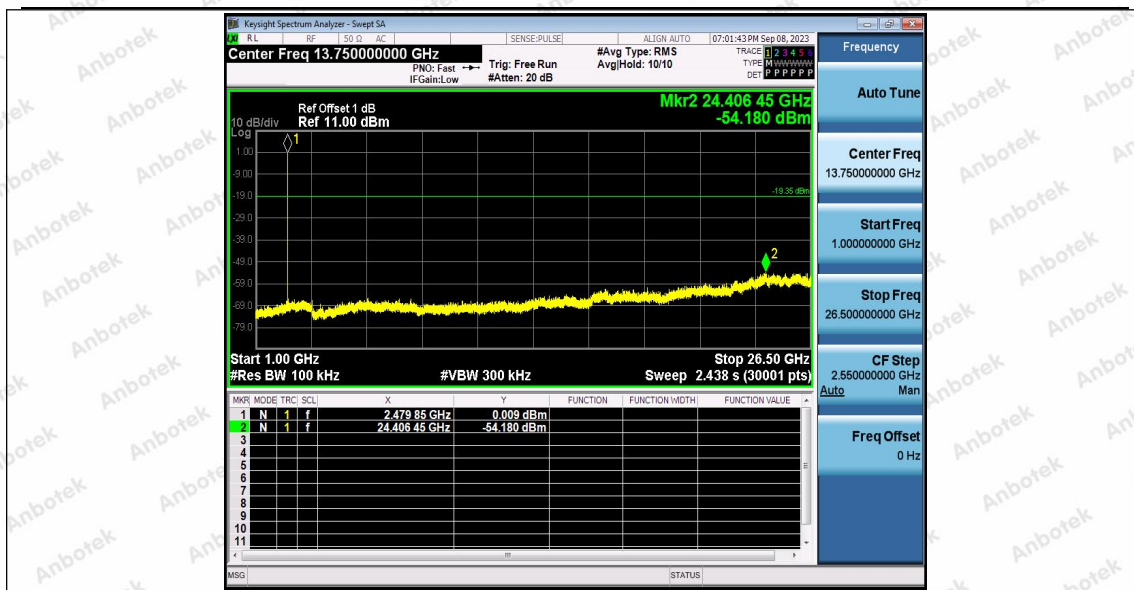
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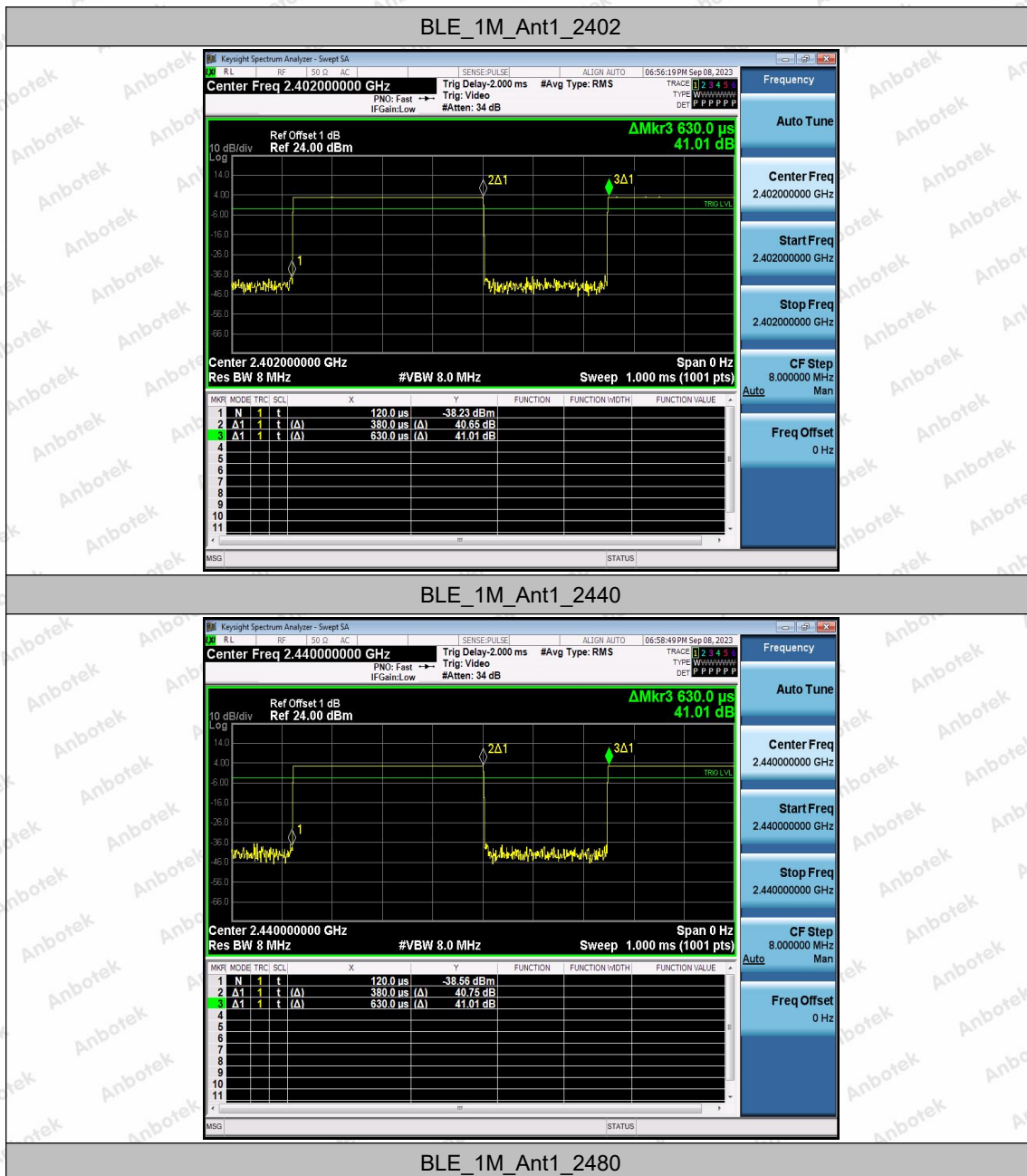
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



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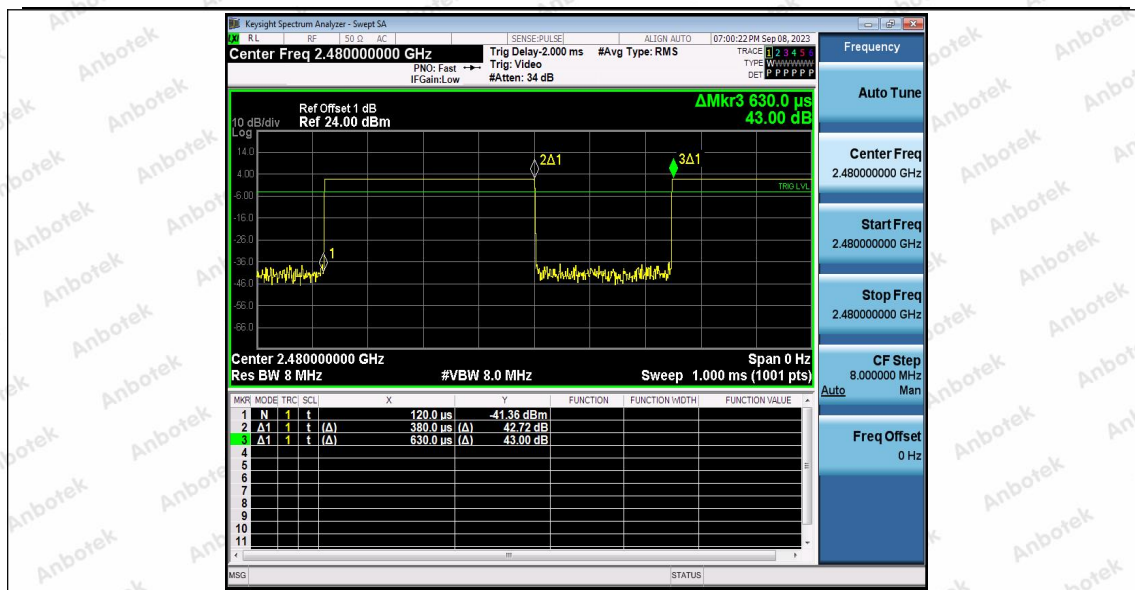


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