

Appendix Test Data

Report No.:	18220WC30201502	Test Sample No.:	1-2-2
Start Test Date:	2023.09.15	Finish Test Date:	2023.09.19
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.1°C	Relative Humidity:	48.3%
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	0.516	2401.684	2402.200	0.5	PASS
		2440	0.528	2439.680	2440.208	0.5	PASS
		2480	0.532	2479.676	2480.208	0.5	PASS



Test Graphs



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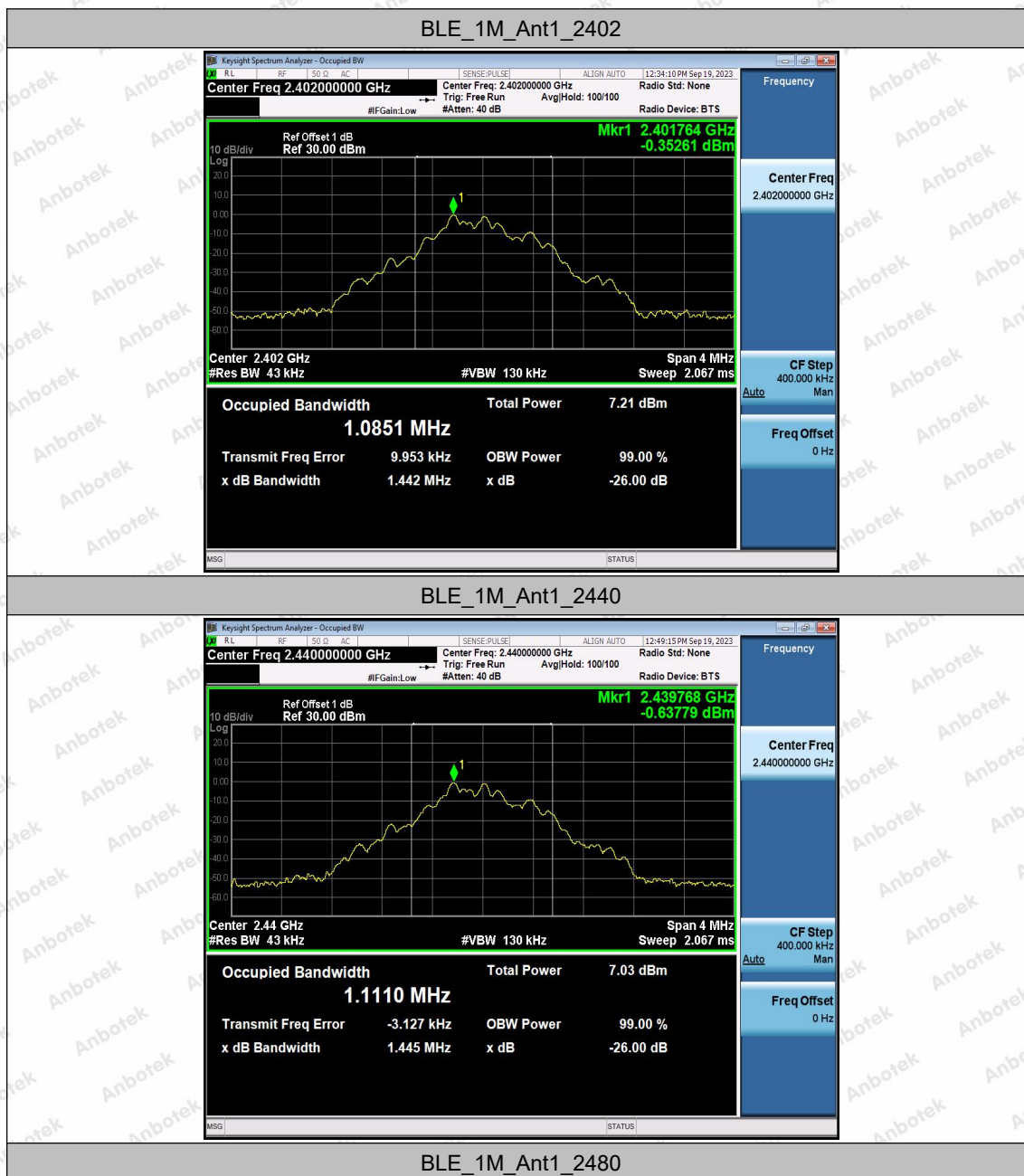
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0851	2401.4674	2402.5525
		2440	1.1110	2439.4414	2440.5524
		2480	1.1430	2479.4121	2480.5551



Test Graphs



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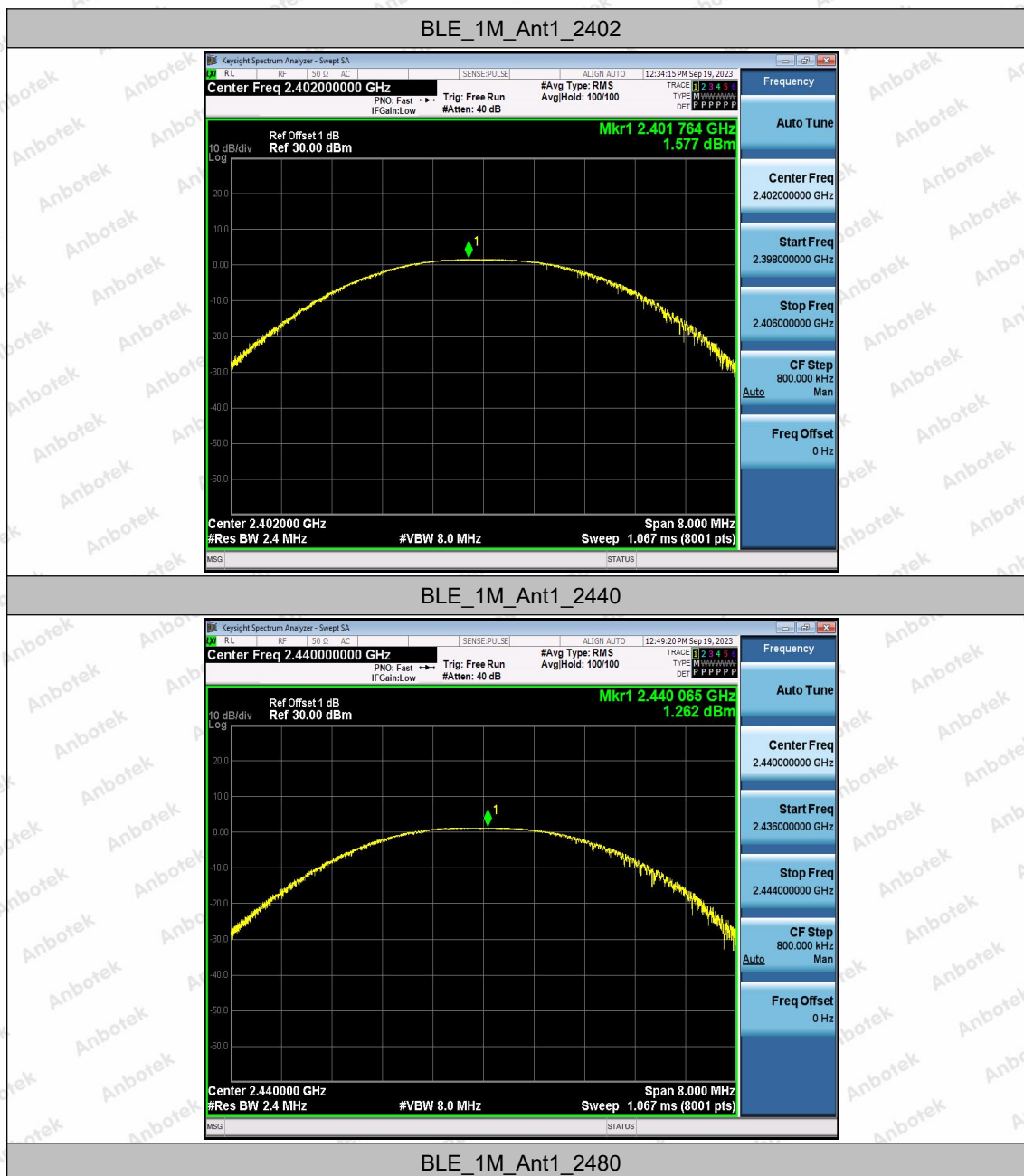
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.58	≤30	PASS
		2440	1.26	≤30	PASS
		2480	0.71	≤30	PASS



Test Graphs Peak



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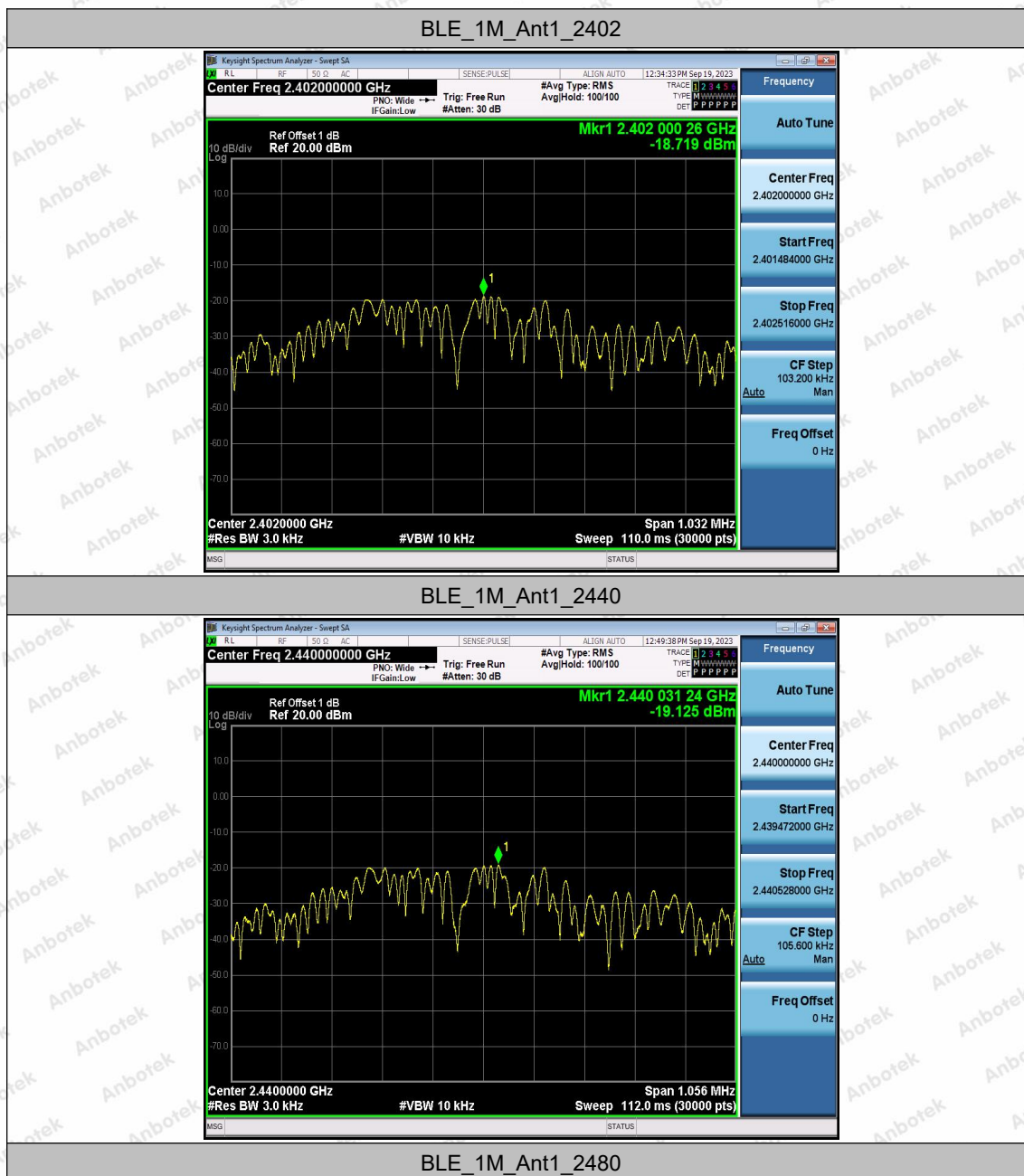
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.72	≤8.00	PASS
		2440	-19.13	≤8.00	PASS
		2480	-19.79	≤8.00	PASS



Test Graphs



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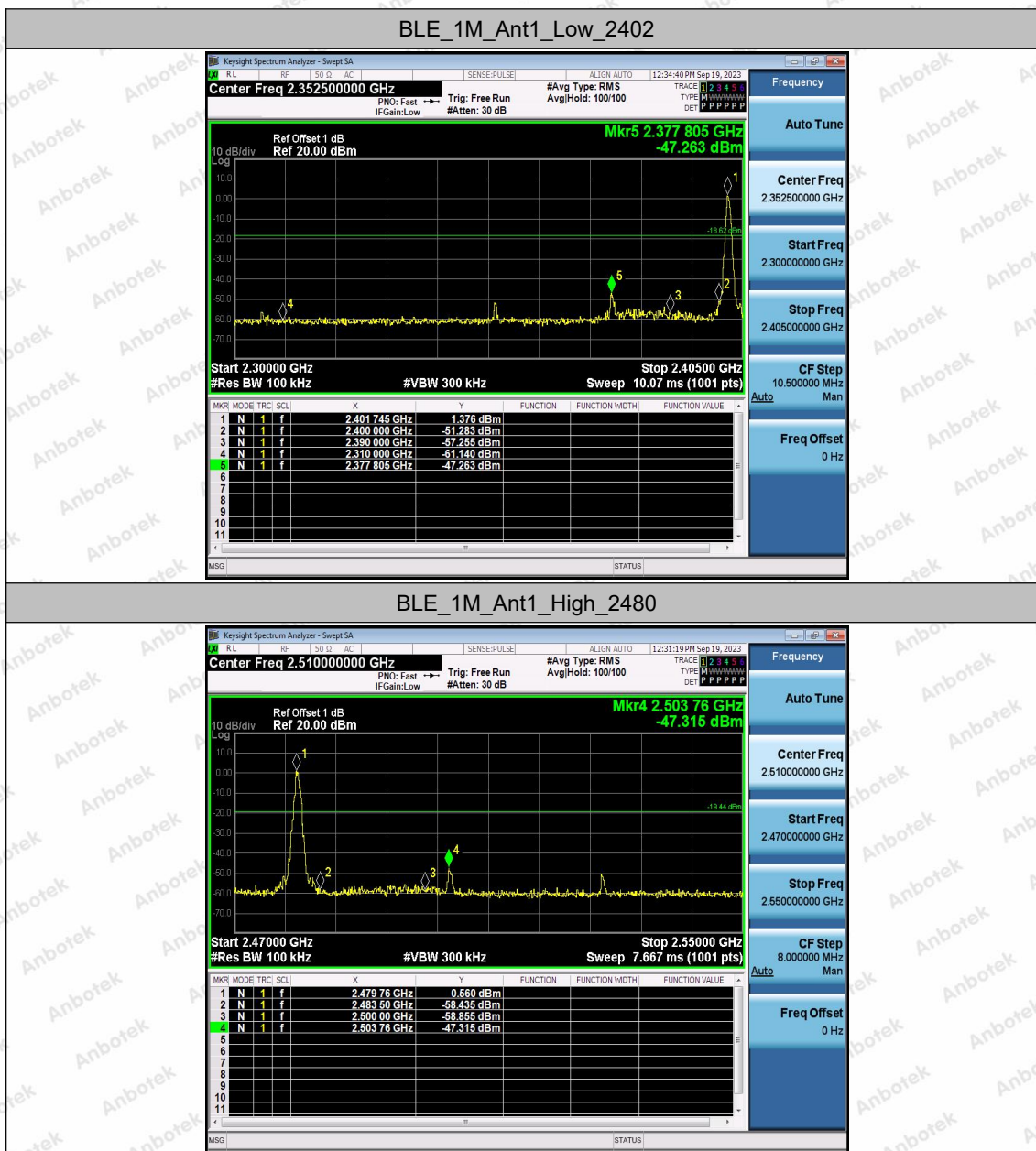
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.38	-47.26	≤-18.62	PASS
		High	2480	0.56	-47.32	≤-19.44	PASS



Test Graphs



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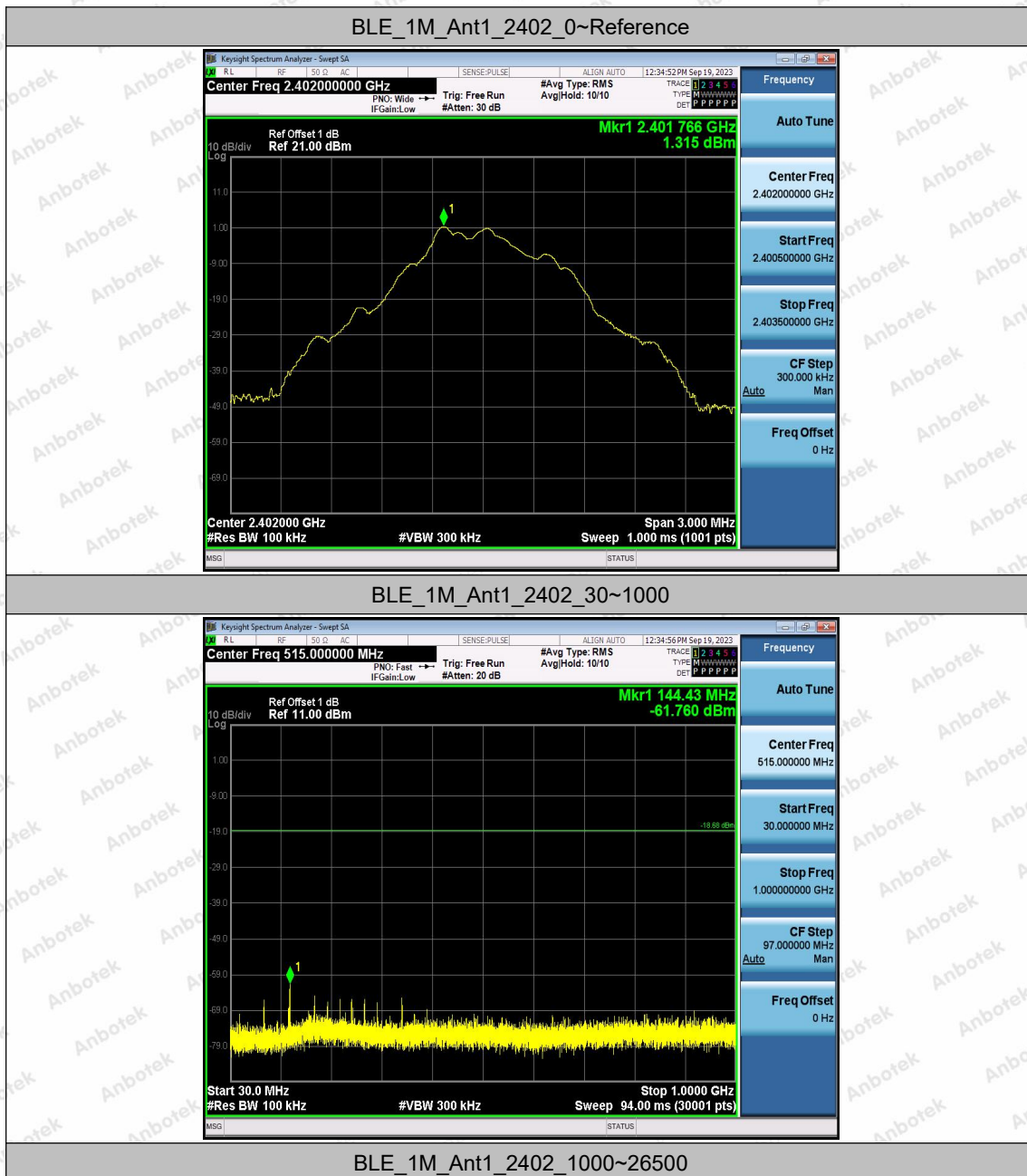
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-61.76	≤-18.68	PASS
			1000~26500	1.32	-51.82	≤-18.68	PASS
		2440	Reference	1.03	1.03	---	PASS
			30~1000	1.03	-62.28	≤-18.97	PASS
			1000~26500	1.03	-46.98	≤-18.97	PASS
		2480	Reference	0.48	0.48	---	PASS
			30~1000	0.48	-61.13	≤-19.52	PASS
			1000~26500	0.48	-41.62	≤-19.52	PASS
			Reference				
			30~1000				
			1000~26500				



Test Graphs



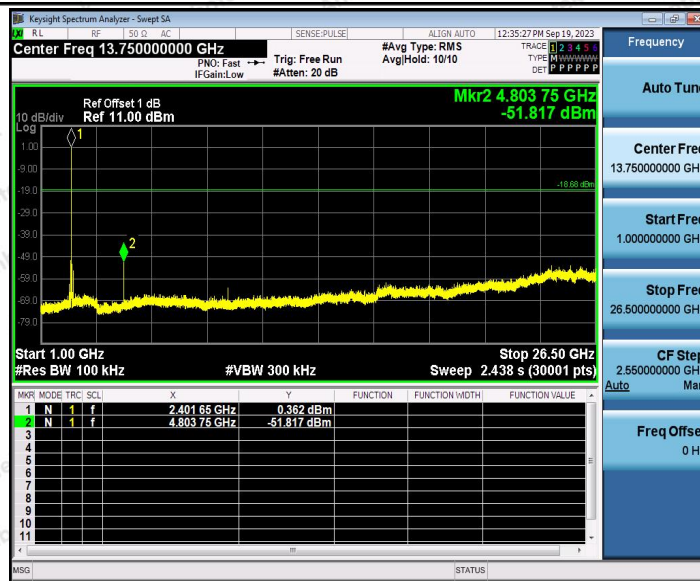
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

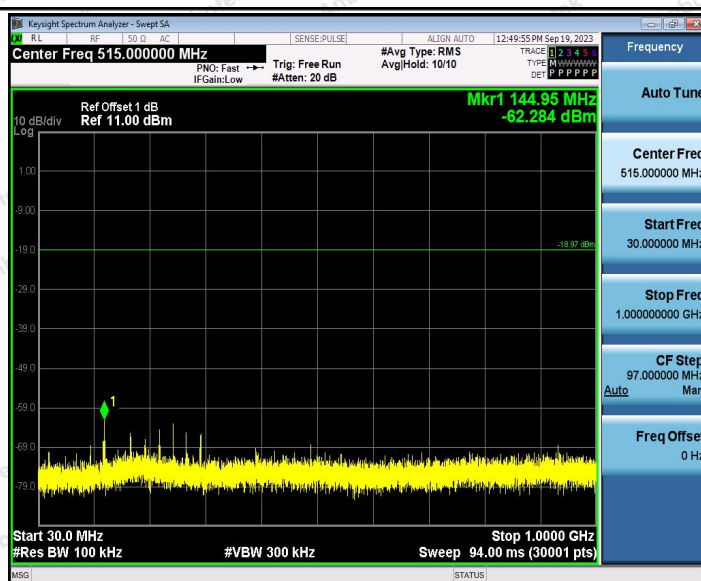
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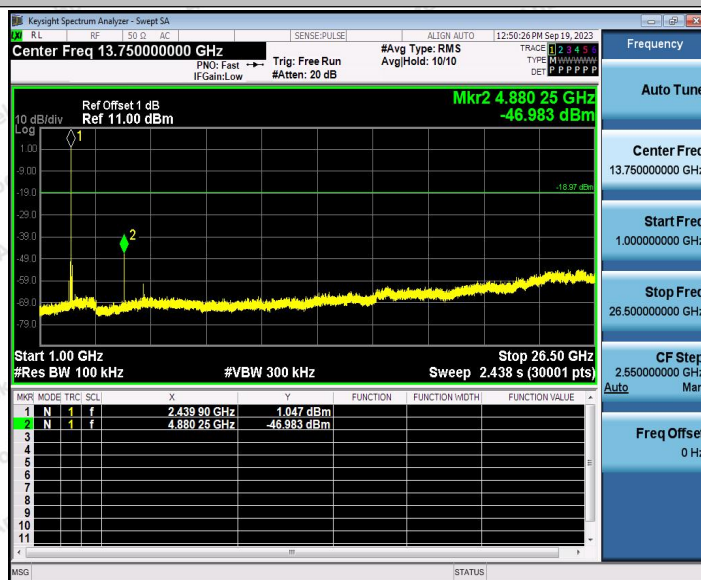


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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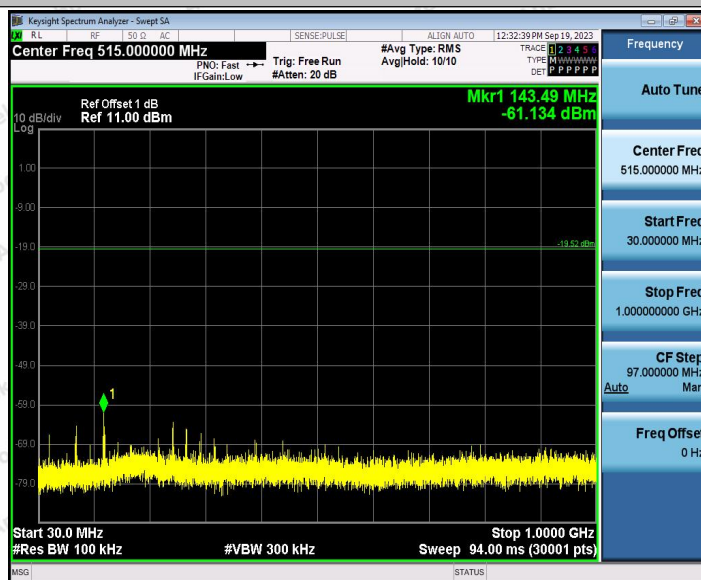


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

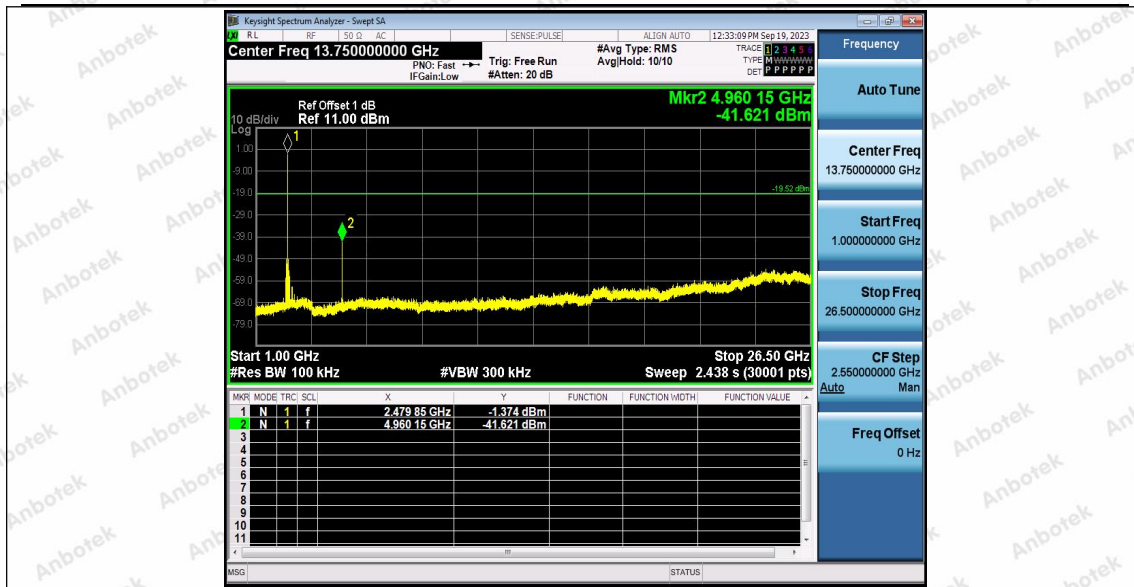
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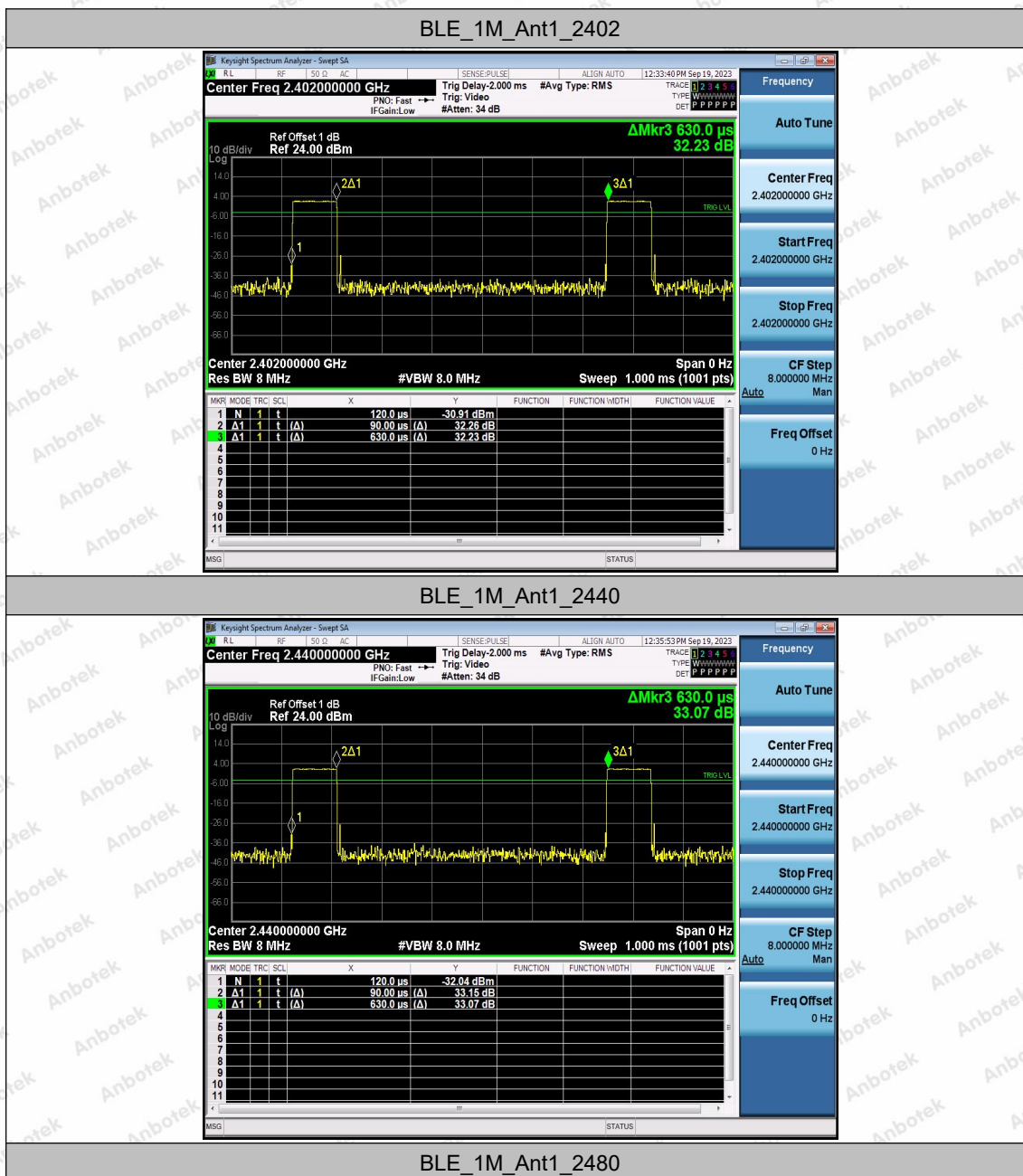
Appendix G: Duty Cycle

Test Result

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



Test Graphs



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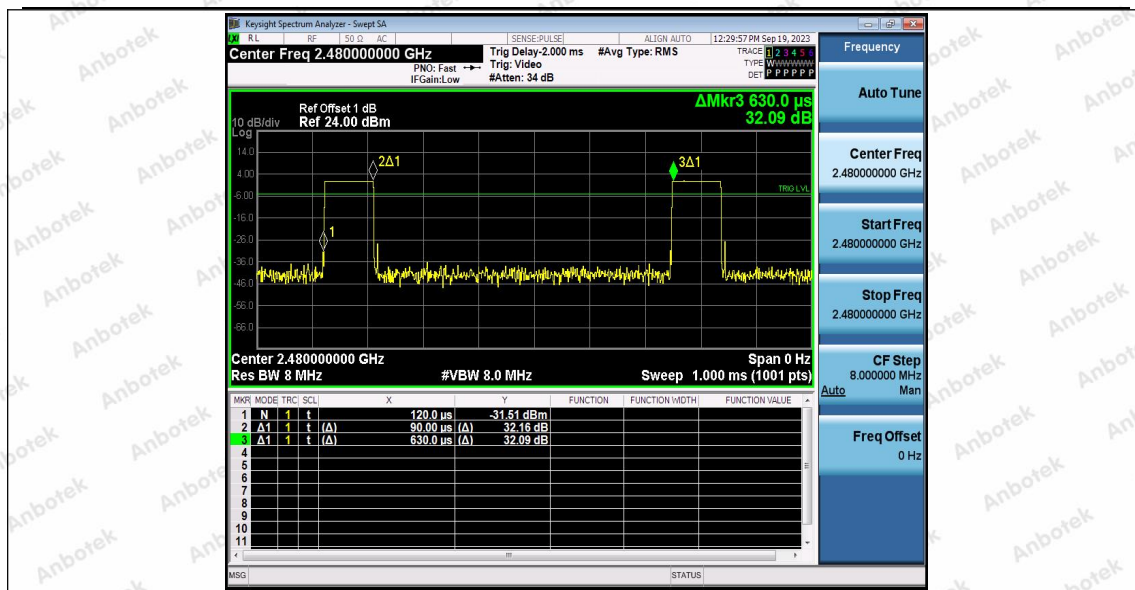


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