

Appendix Test Data

Report No.:	18220WC40032202	Test Sample No.:	1-2-2
Start Test Date:	2024.3.18	Finish Test Date:	2024.3.18
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.668	2402.320	0.5	PASS
		2440	0.652	2439.664	2440.316	0.5	PASS
		2480	0.664	2479.652	2480.316	0.5	PASS



Test Graphs



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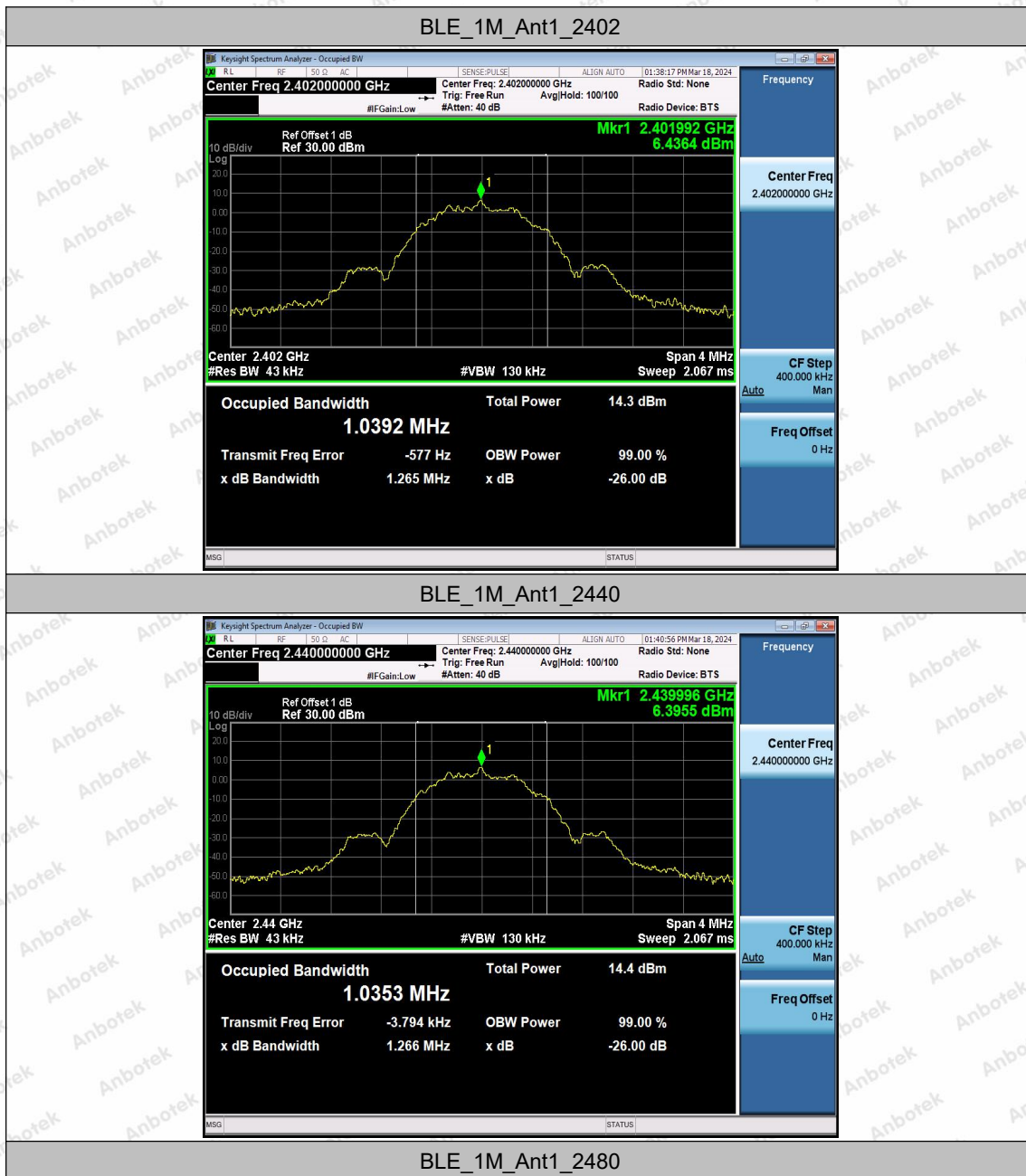
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0392	2401.4798	2402.5190	---	---
		2440	1.0353	2439.4786	2440.5139	---	---
		2480	1.0354	2479.4785	2480.5139	---	---



Test Graphs



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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.61	≤30	PASS
		2440	7.67	≤30	PASS
		2480	7.11	≤30	PASS



Test Graphs Peak



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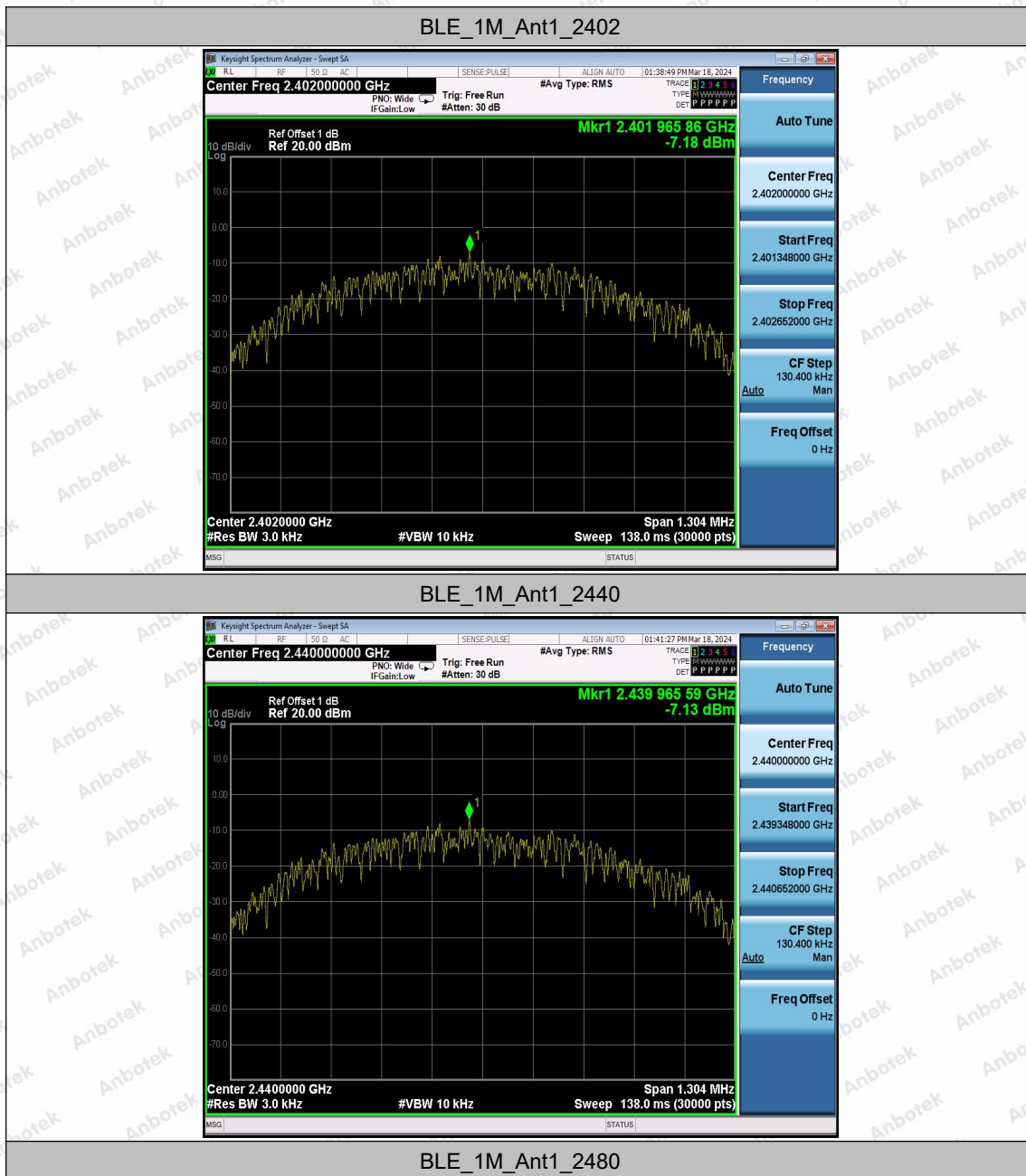
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.18	≤8.00	PASS
		2440	-7.13	≤8.00	PASS
		2480	-7.70	≤8.00	PASS



Test Graphs



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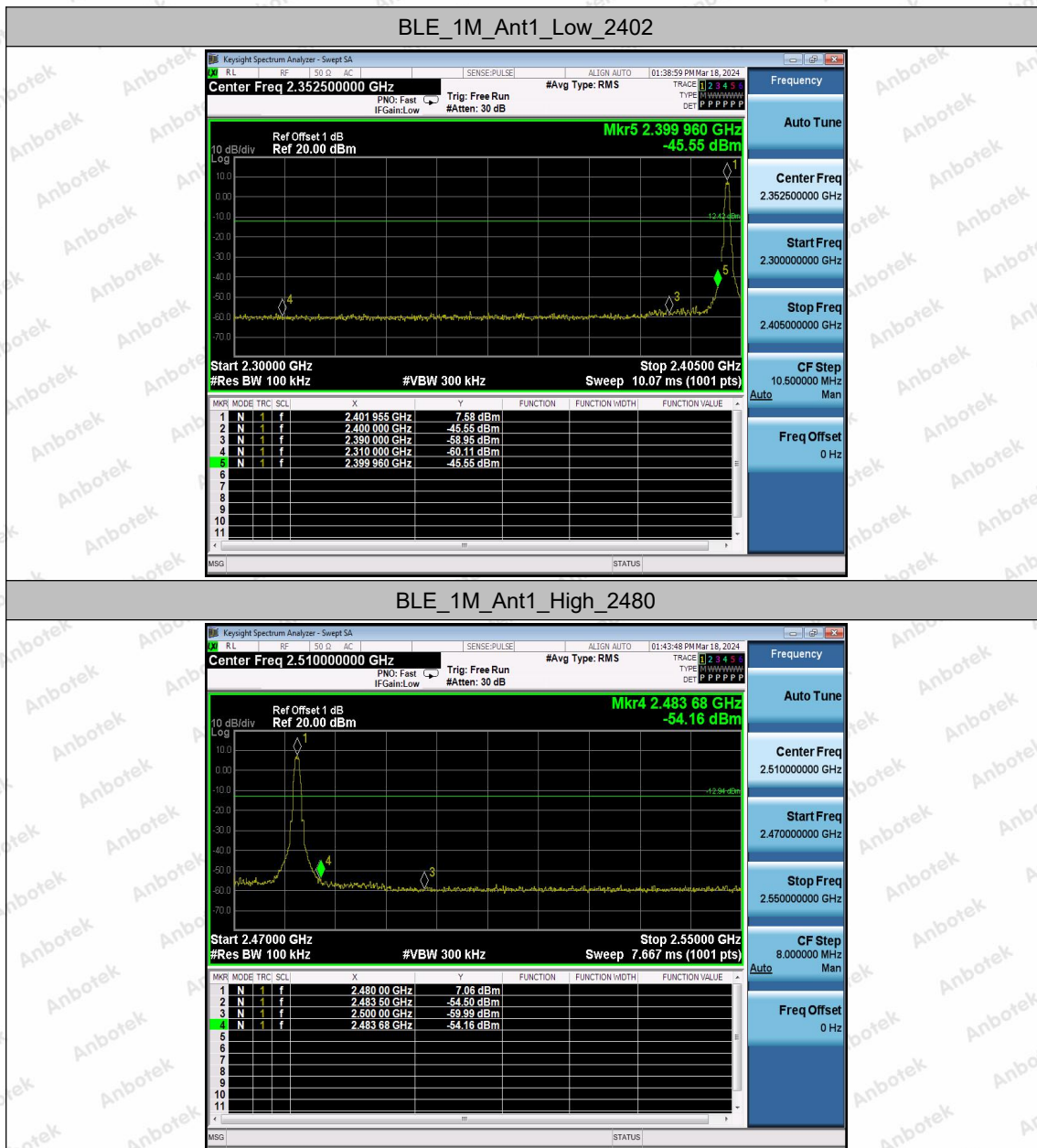
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.58	-45.55	≤-12.42	PASS
		High	2480	7.06	-54.16	≤-12.94	PASS



Test Graphs



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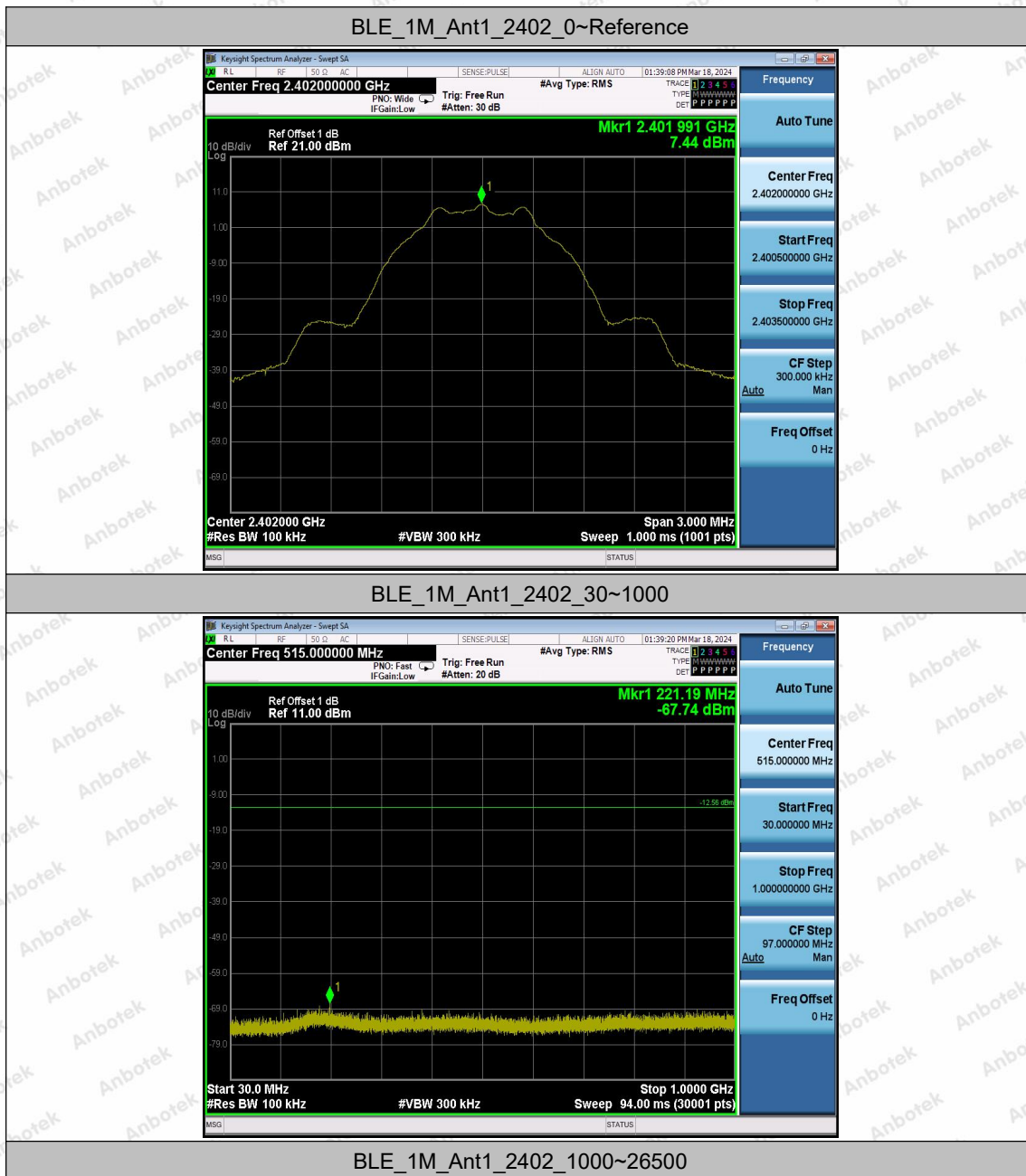
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	7.44	7.44	---	PASS
			30~1000	7.44	-67.74	≤-12.56	PASS
			1000~26500	7.44	-50.86	≤-12.56	PASS
		2440	Reference	7.47	7.47	---	PASS
			30~1000	7.47	-68.71	≤-12.53	PASS
			1000~26500	7.47	-53.42	≤-12.53	PASS
		2480	Reference	6.93	6.93	---	PASS
			30~1000	6.93	-68.07	≤-13.07	PASS
			1000~26500	6.93	-50.9	≤-13.07	PASS



Test Graphs



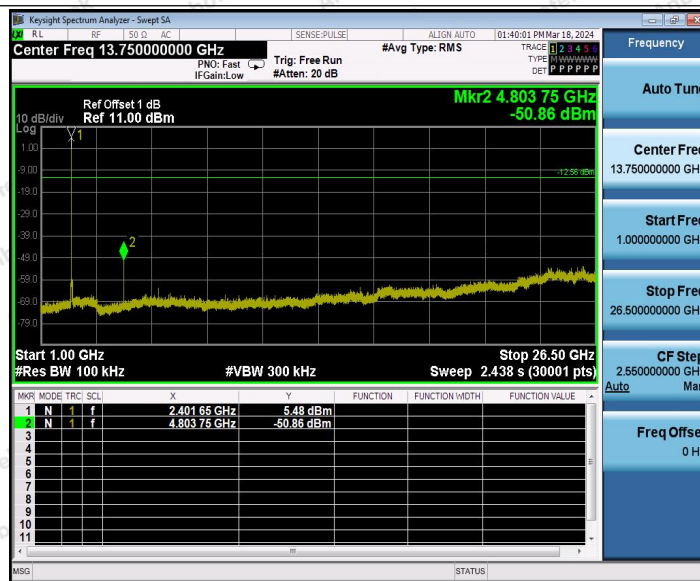
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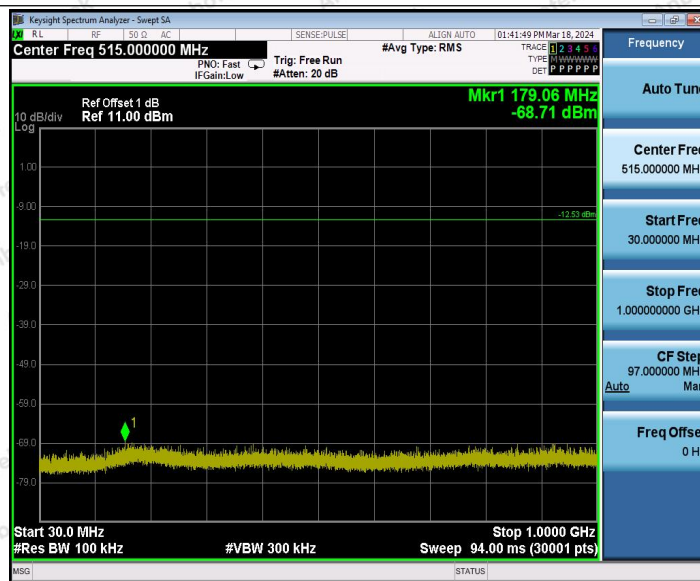


BLE_1M_Ant1_2440_0~Reference

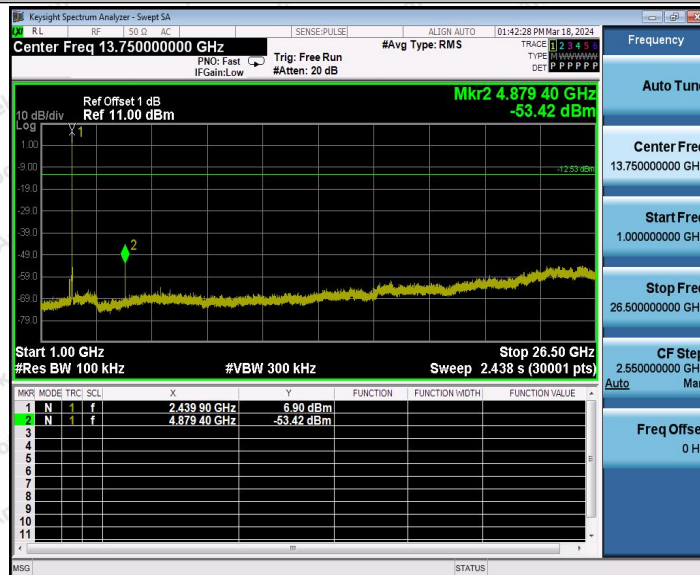


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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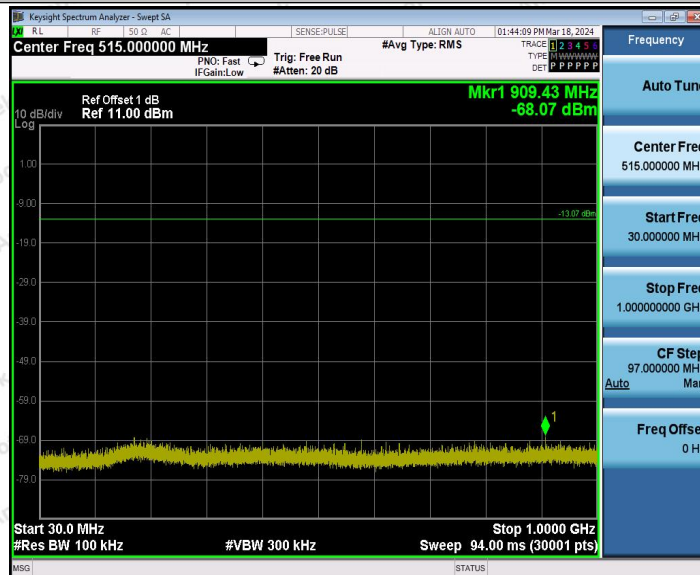


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

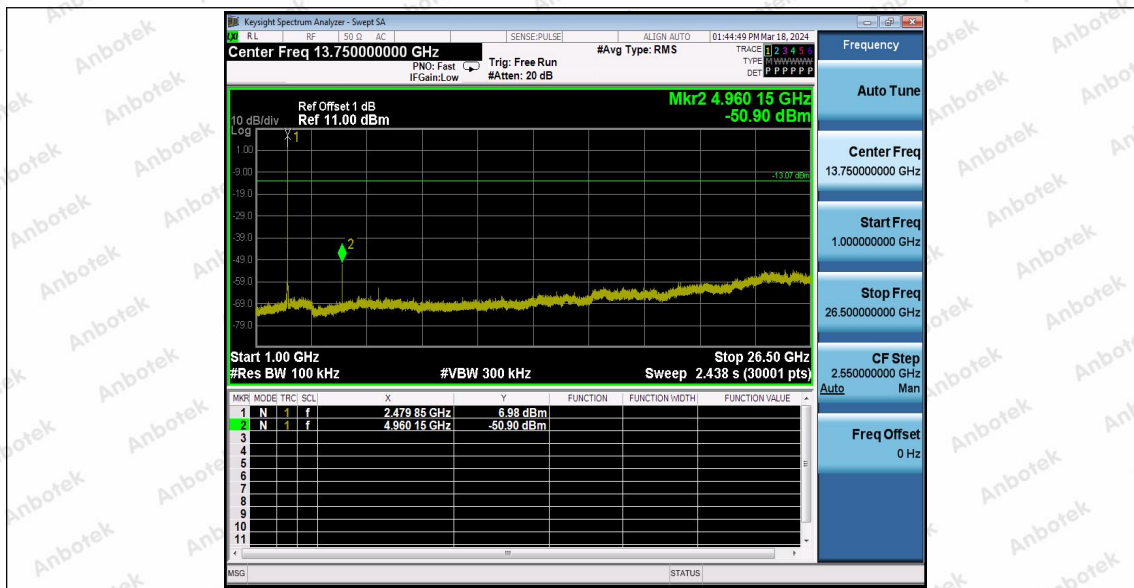
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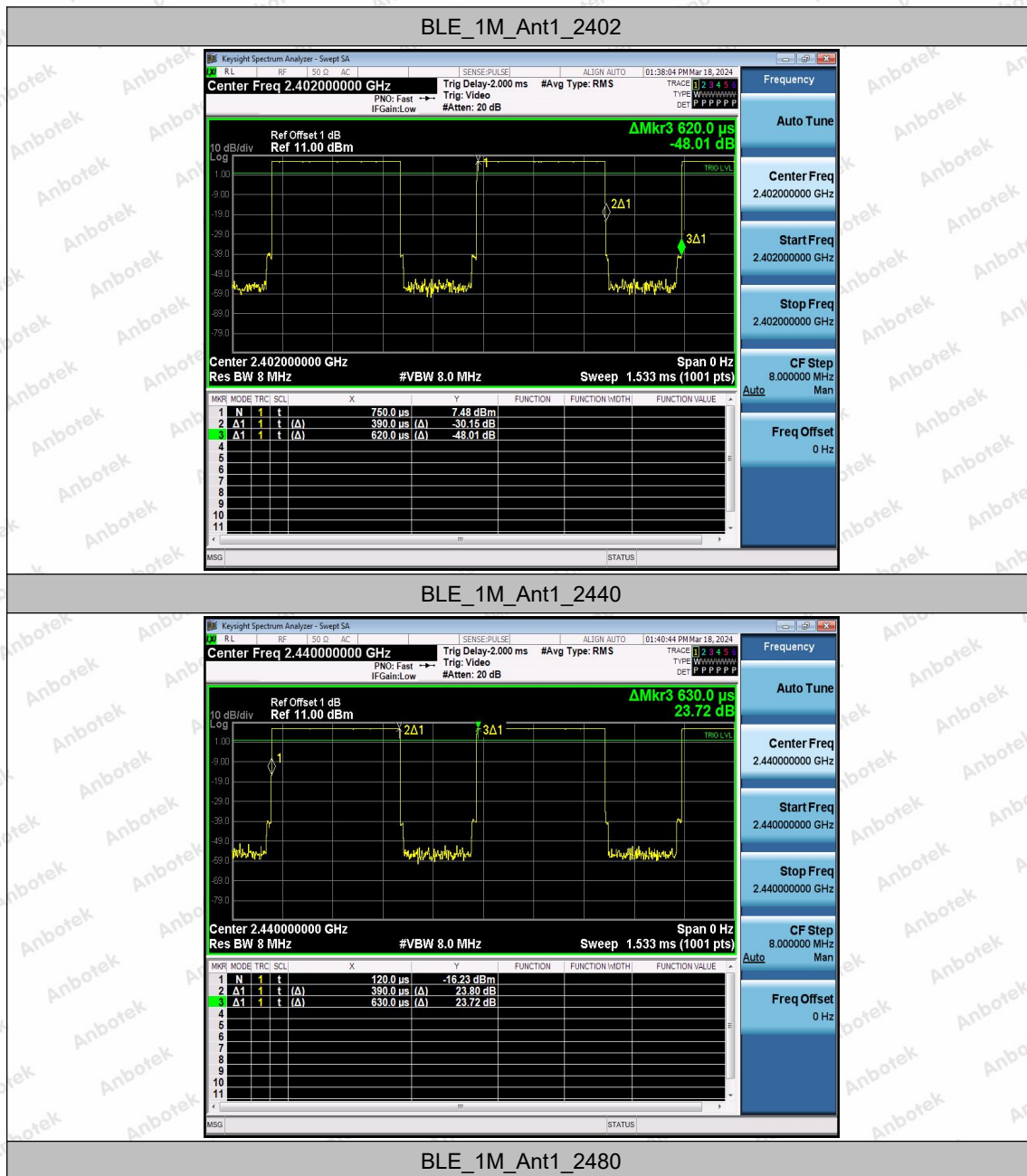
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08



Test Graphs



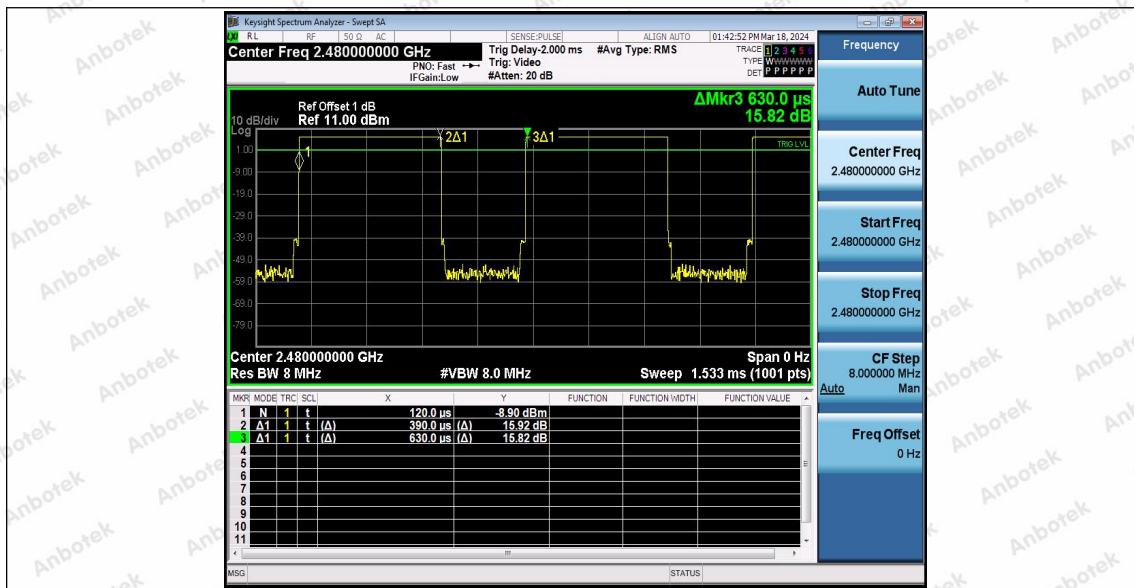
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