

Appendix Test Data

Report No.:	18220WC40031202	Test Sample No.:	1-2-2
Start Test Date:	2024.3.21	Finish Test Date:	2024.3.21
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	0.512	2401.696	2402.208	0.5	PASS
		2440	0.528	2439.692	2440.220	0.5	PASS
		2480	0.520	2479.696	2480.216	0.5	PASS



Test Graphs



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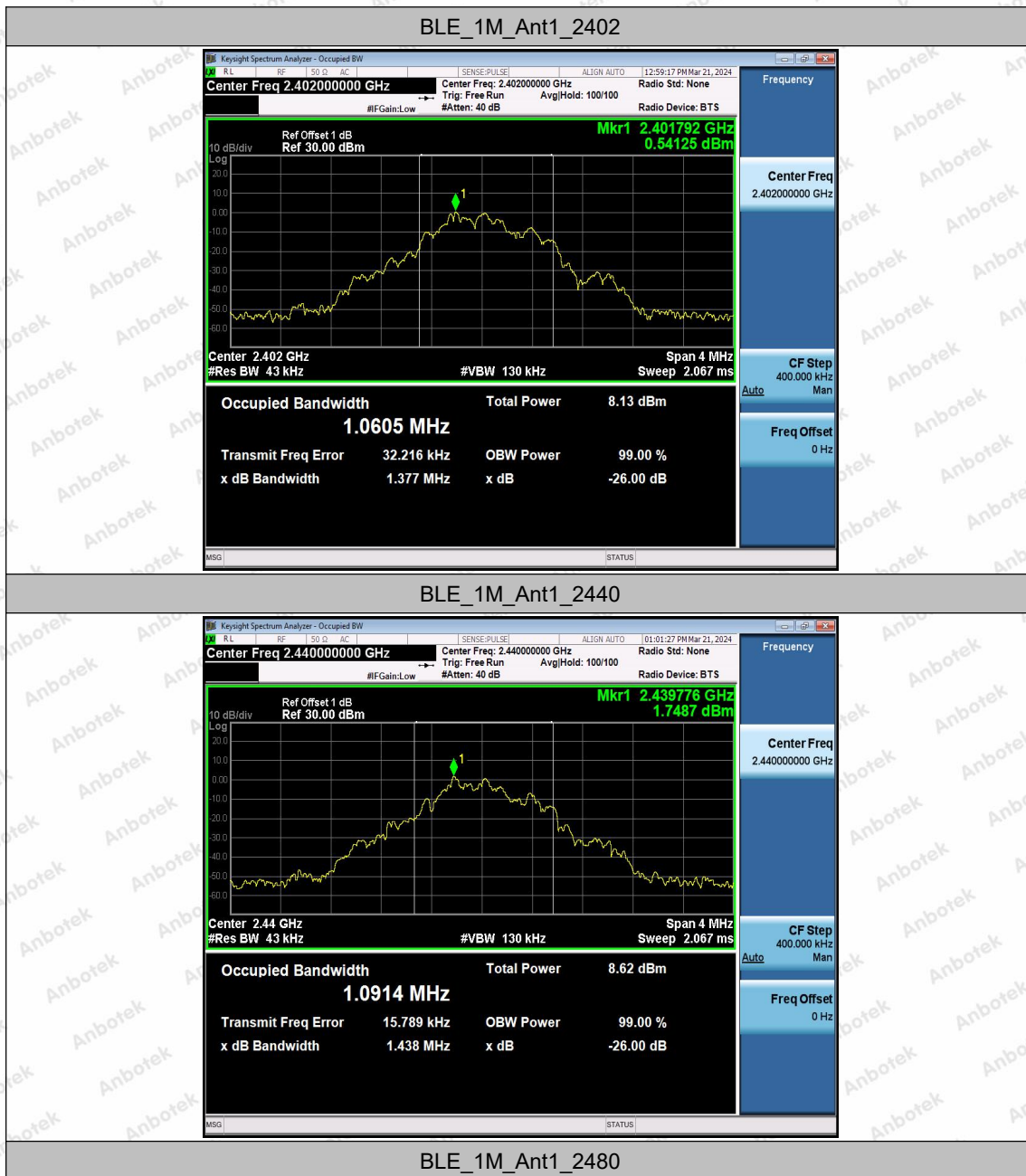
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0605	2401.5020	2402.5625	---	---
		2440	1.0914	2439.4701	2440.5615	---	---
		2480	1.1244	2479.4372	2480.5616	---	---



Test Graphs



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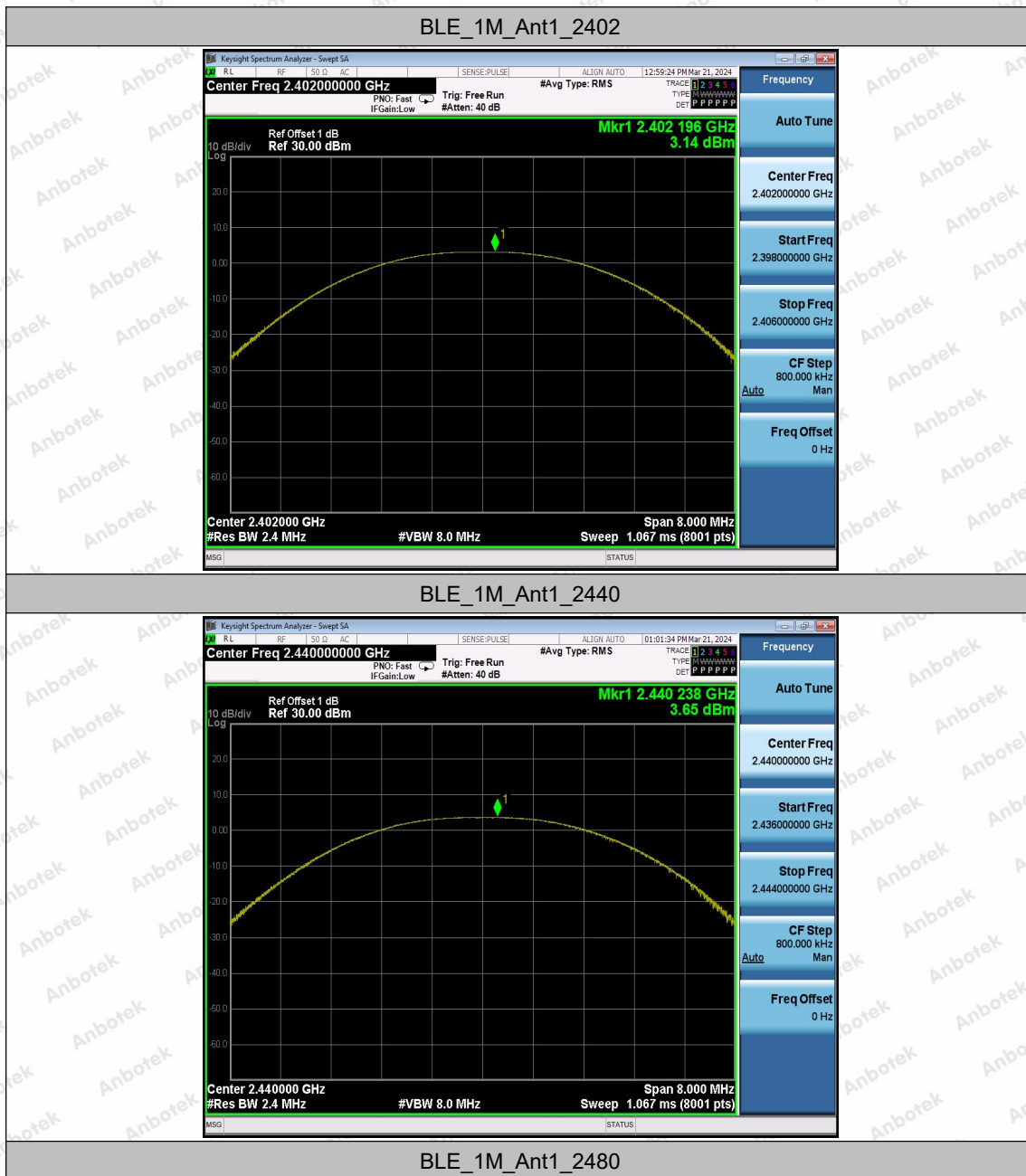
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.14	≤30	PASS
		2440	3.65	≤30	PASS
		2480	3.99	≤30	PASS



Test Graphs Peak



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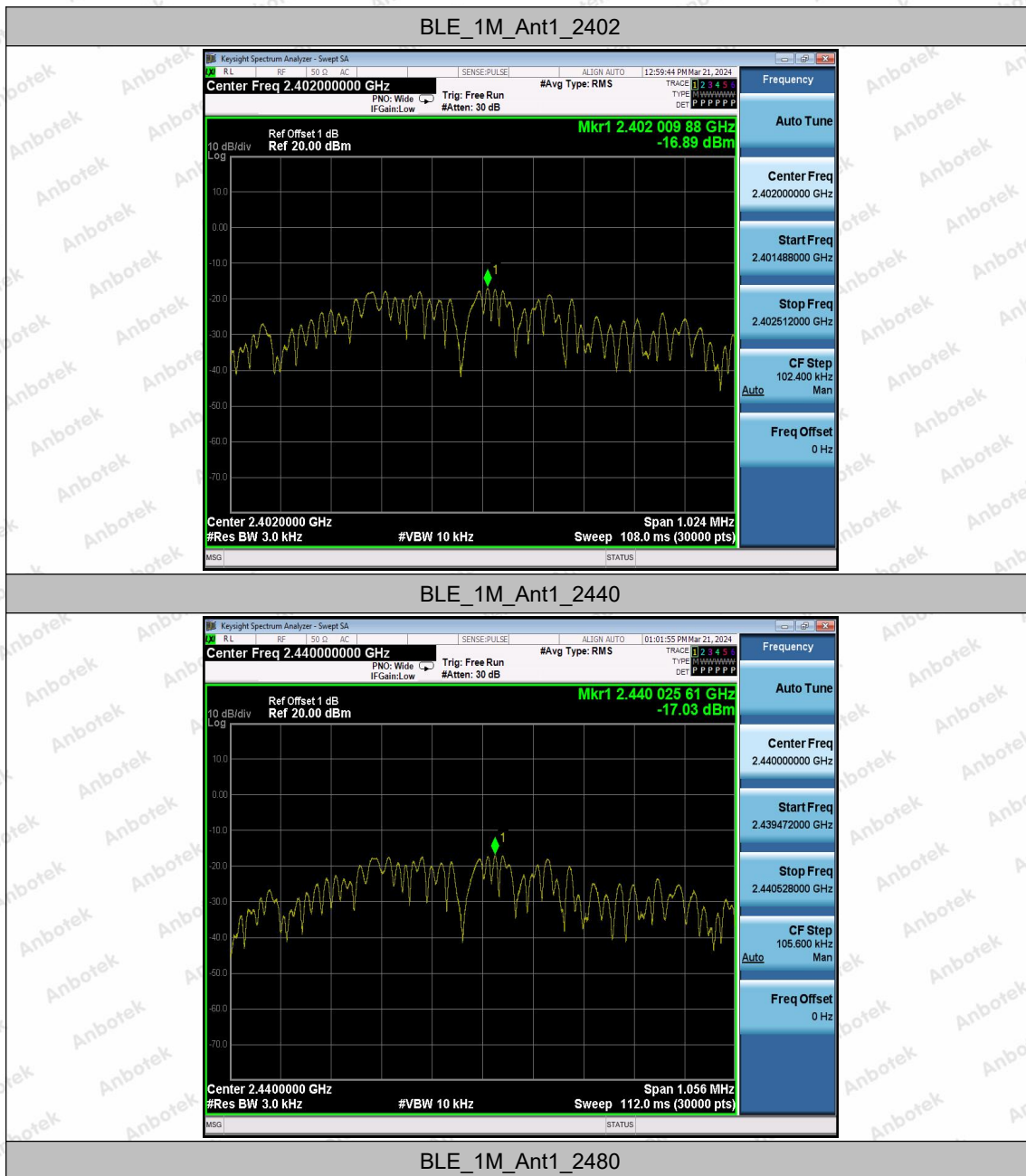
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.89	≤8.00	PASS
		2440	-17.04	≤8.00	PASS
		2480	-16.59	≤8.00	PASS



Test Graphs



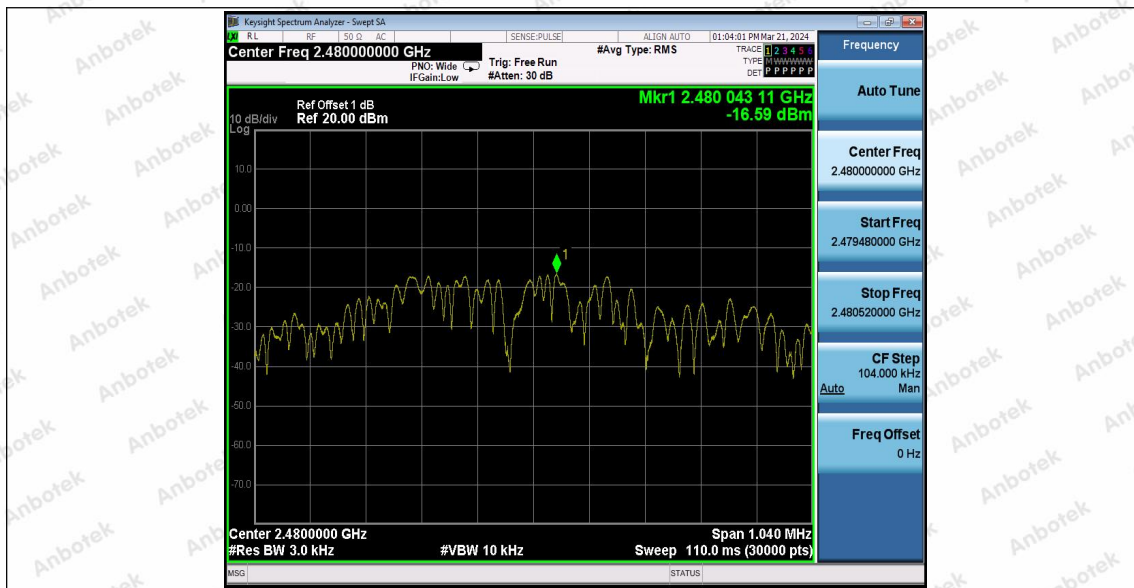
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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.90	-48.21	≤-17.1	PASS
		High	2480	3.93	-51.41	≤-16.08	PASS



Test Graphs



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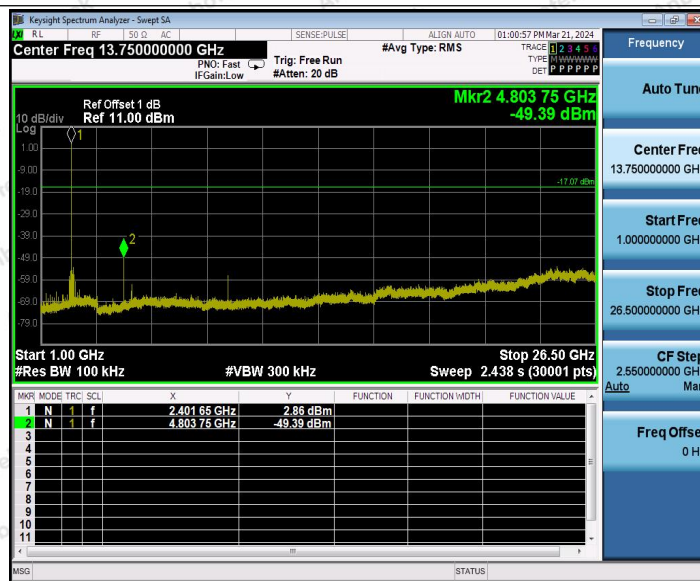
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-68.36	≤-17.07	PASS
			1000~26500	2.93	-49.39	≤-17.07	PASS
		2440	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-67.25	≤-16.59	PASS
			1000~26500	3.41	-46.25	≤-16.59	PASS
		2480	Reference	3.80	3.80	---	PASS
			30~1000	3.80	-68.29	≤-16.2	PASS
			1000~26500	3.80	-51.88	≤-16.2	PASS





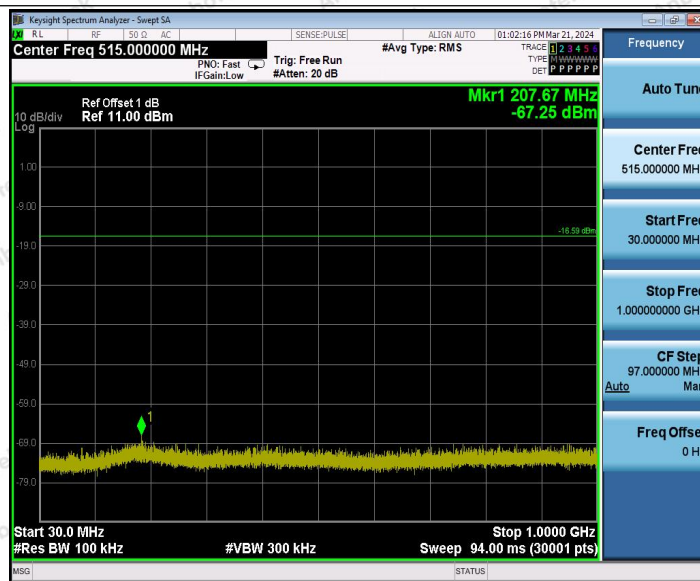


BLE_1M_Ant1_2440_0~Reference

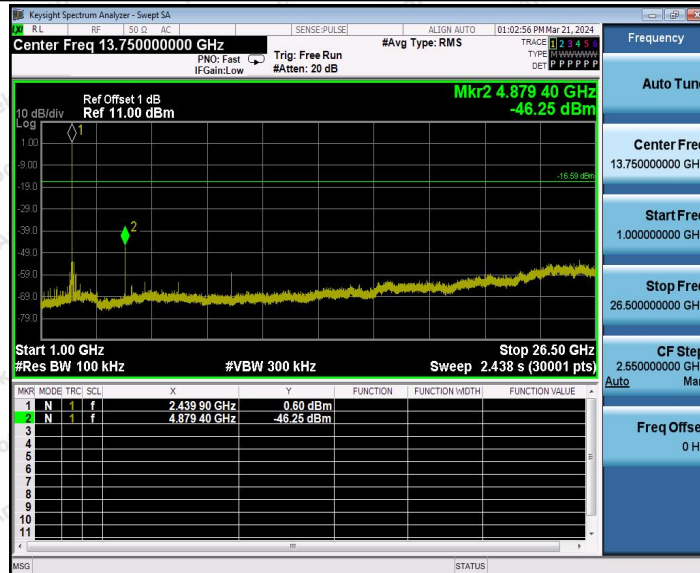


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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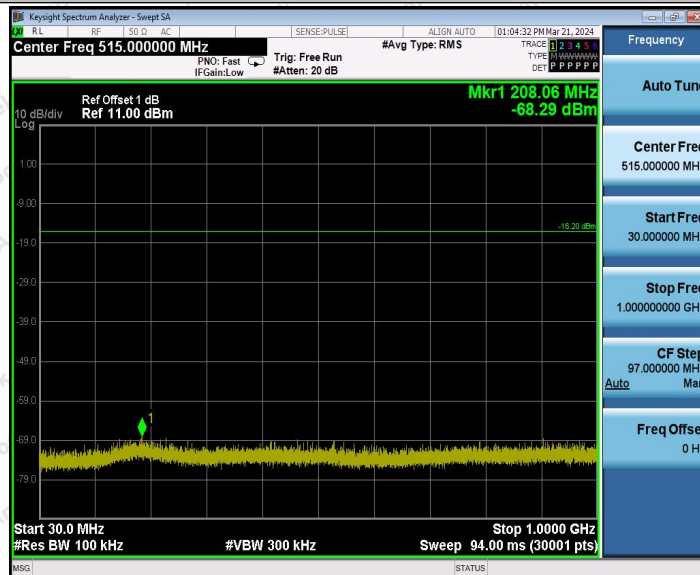


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

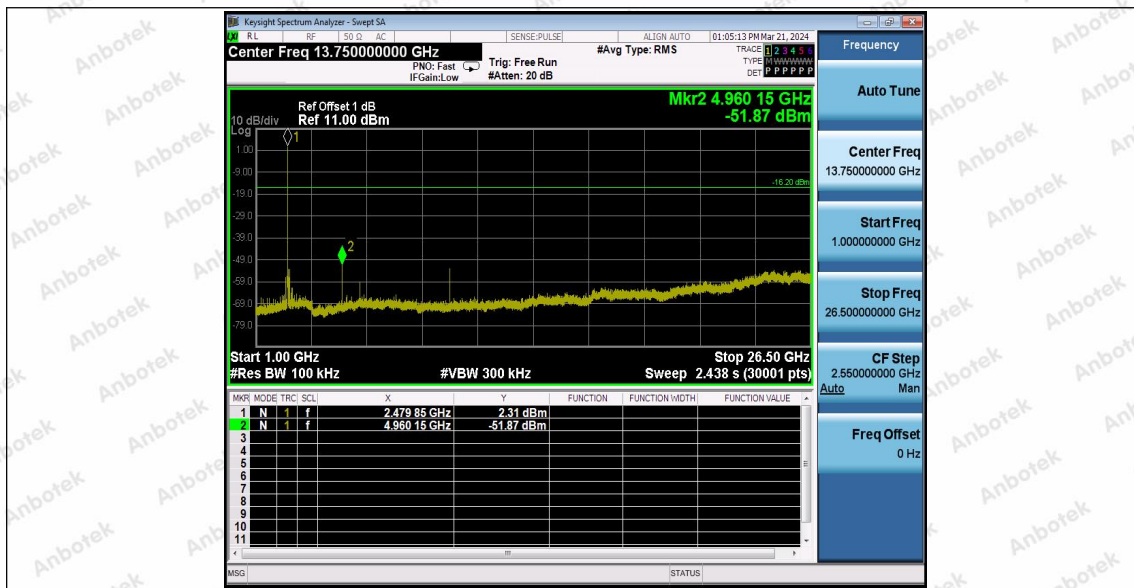
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Appendix G: Duty Cycle

Test Result

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

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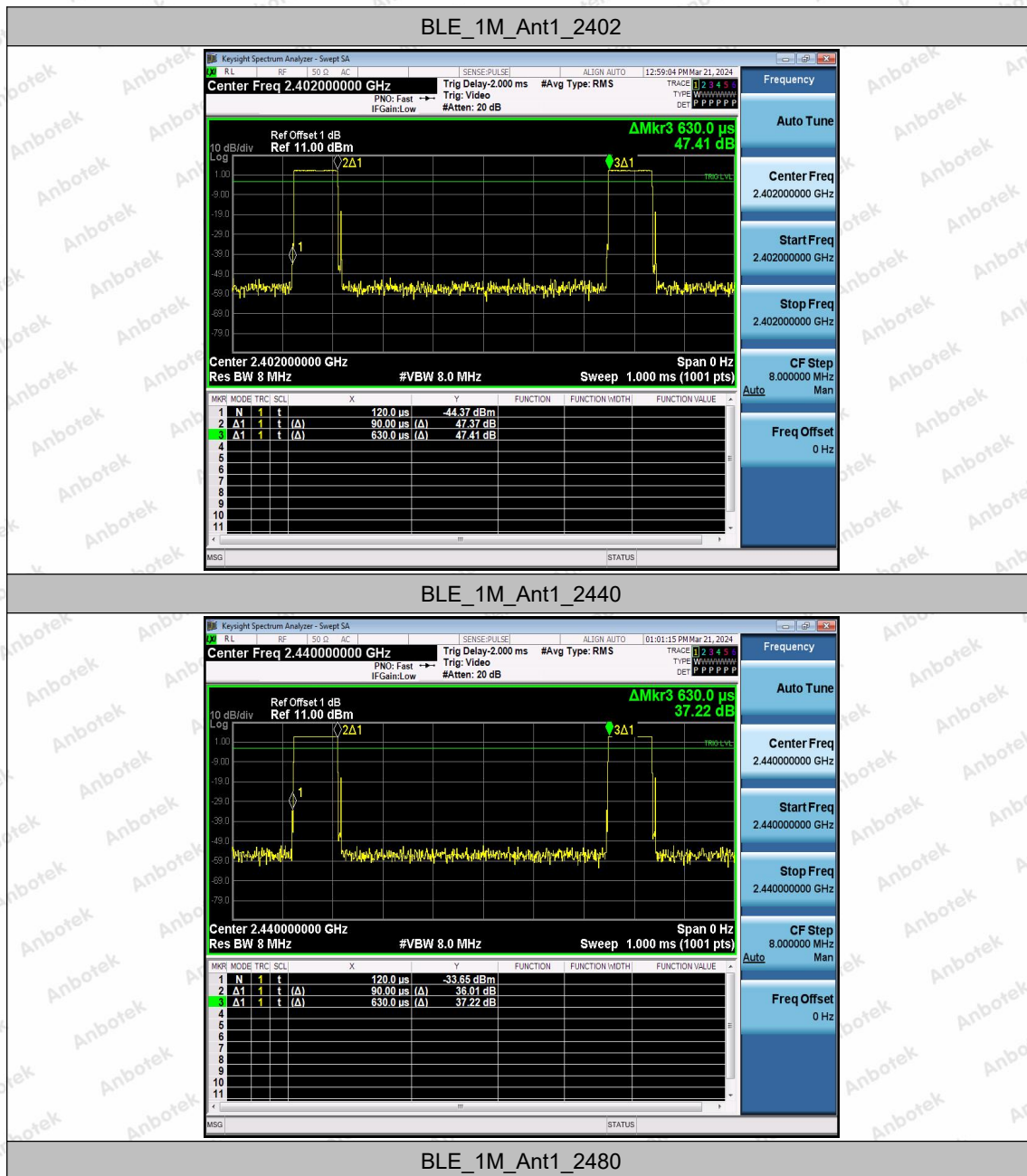
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Test Graphs



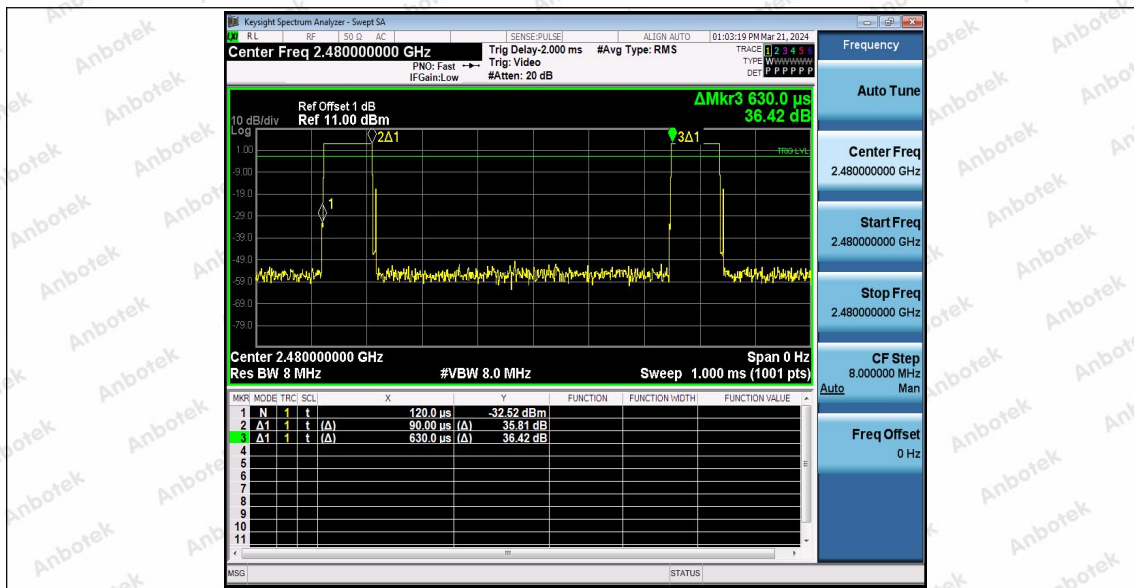
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