

Appendix Test Data

Report No.:	18220WC30012802	Test Sample No.:	1-2-2
Start Test Date:	2023.2.3	Finish Test Date:	2023.2.9
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.956	2401.544	2402.500	0.5	PASS
		2440	0.940	2439.552	2440.492	0.5	PASS
		2480	0.928	2479.540	2480.468	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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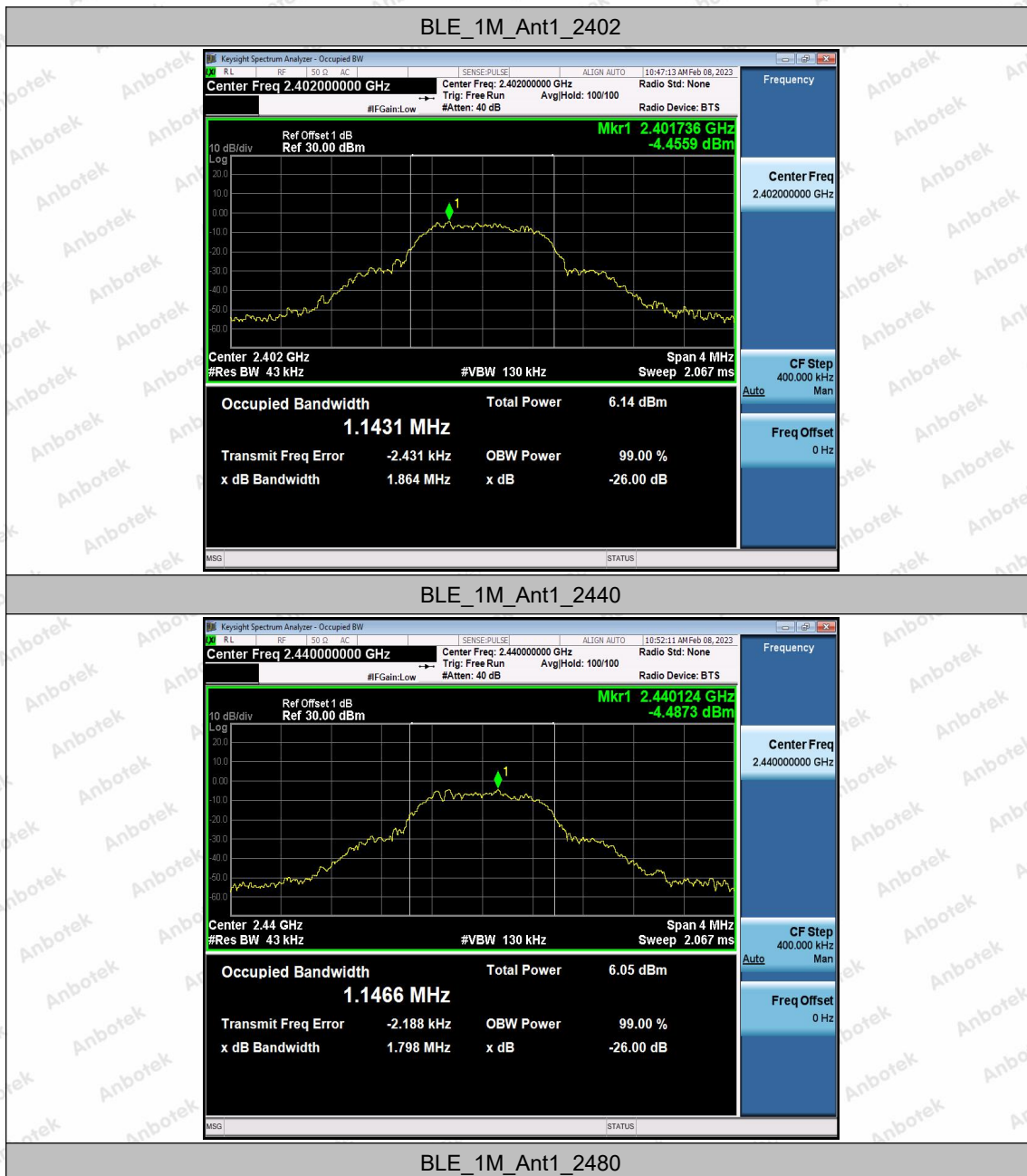
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.1431	2401.4260	2402.5691
		2440	1.1466	2439.4245	2440.5711
		2480	1.1282	2479.4386	2480.5668



Test Graphs



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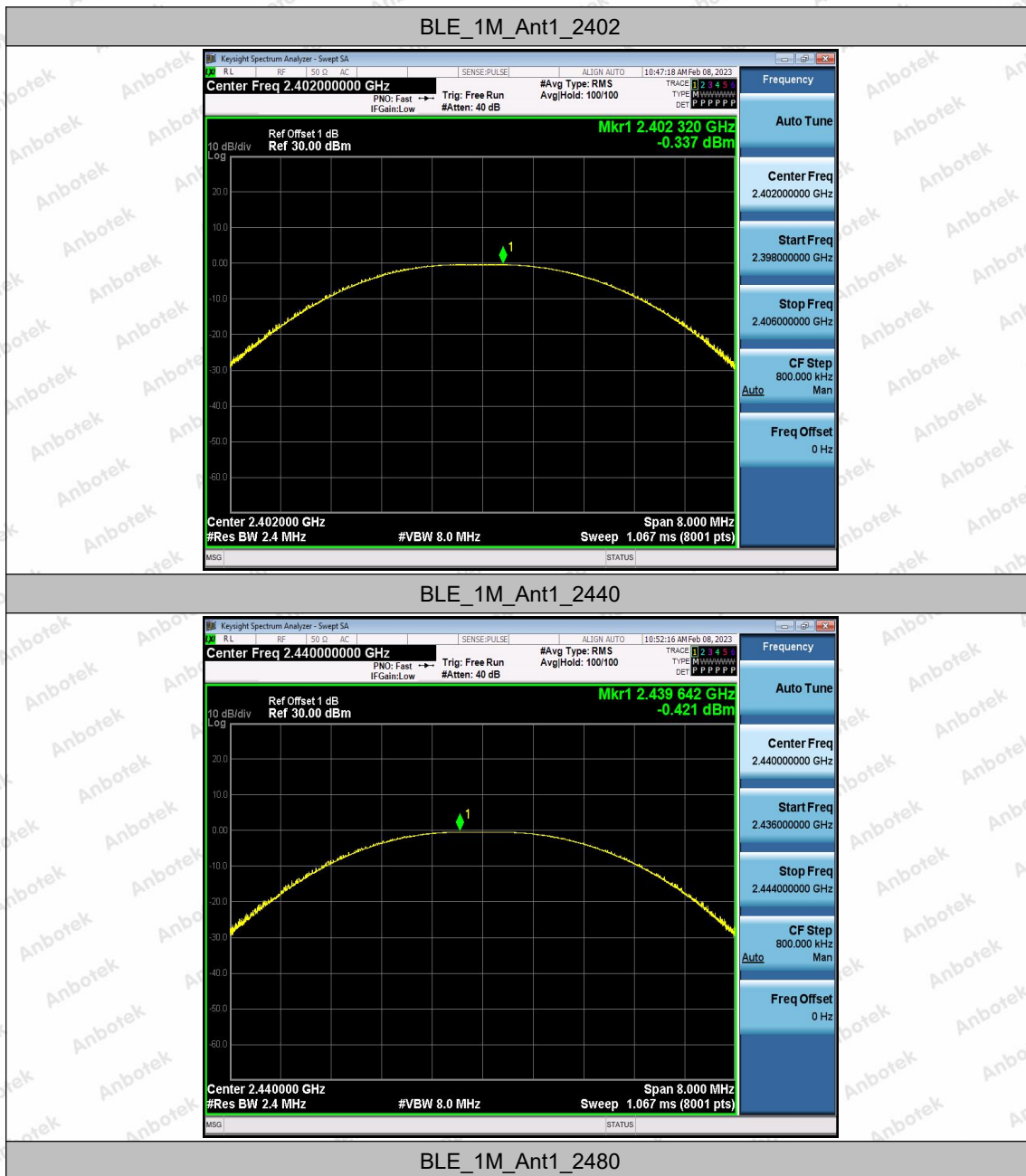
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.34	≤30	PASS
		2440	-0.42	≤30	PASS
		2480	-0.99	≤30	PASS



Test Graphs Peak



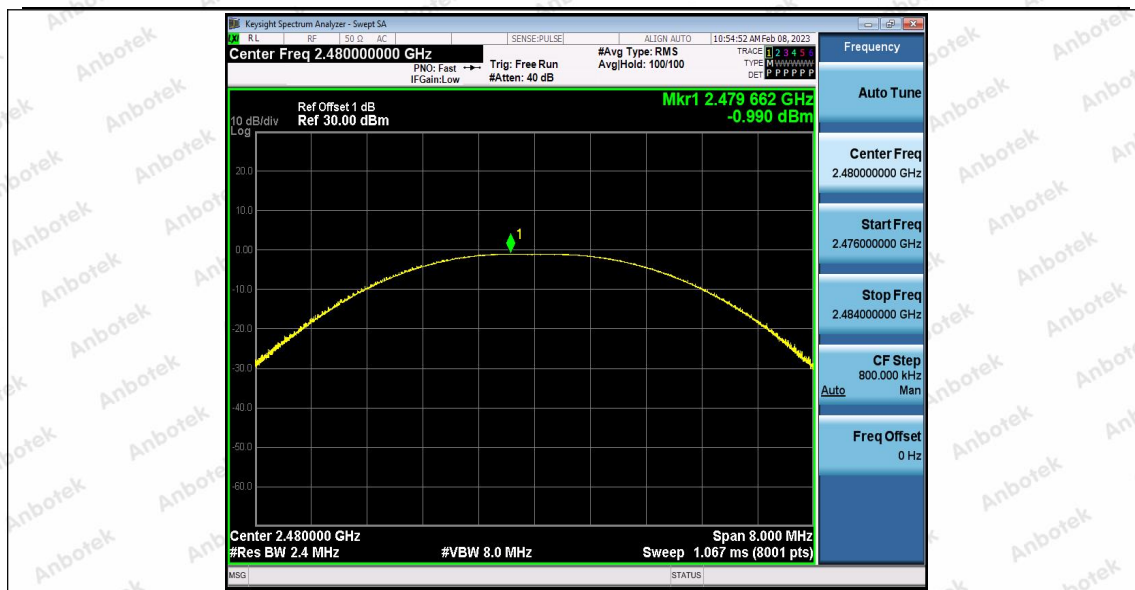
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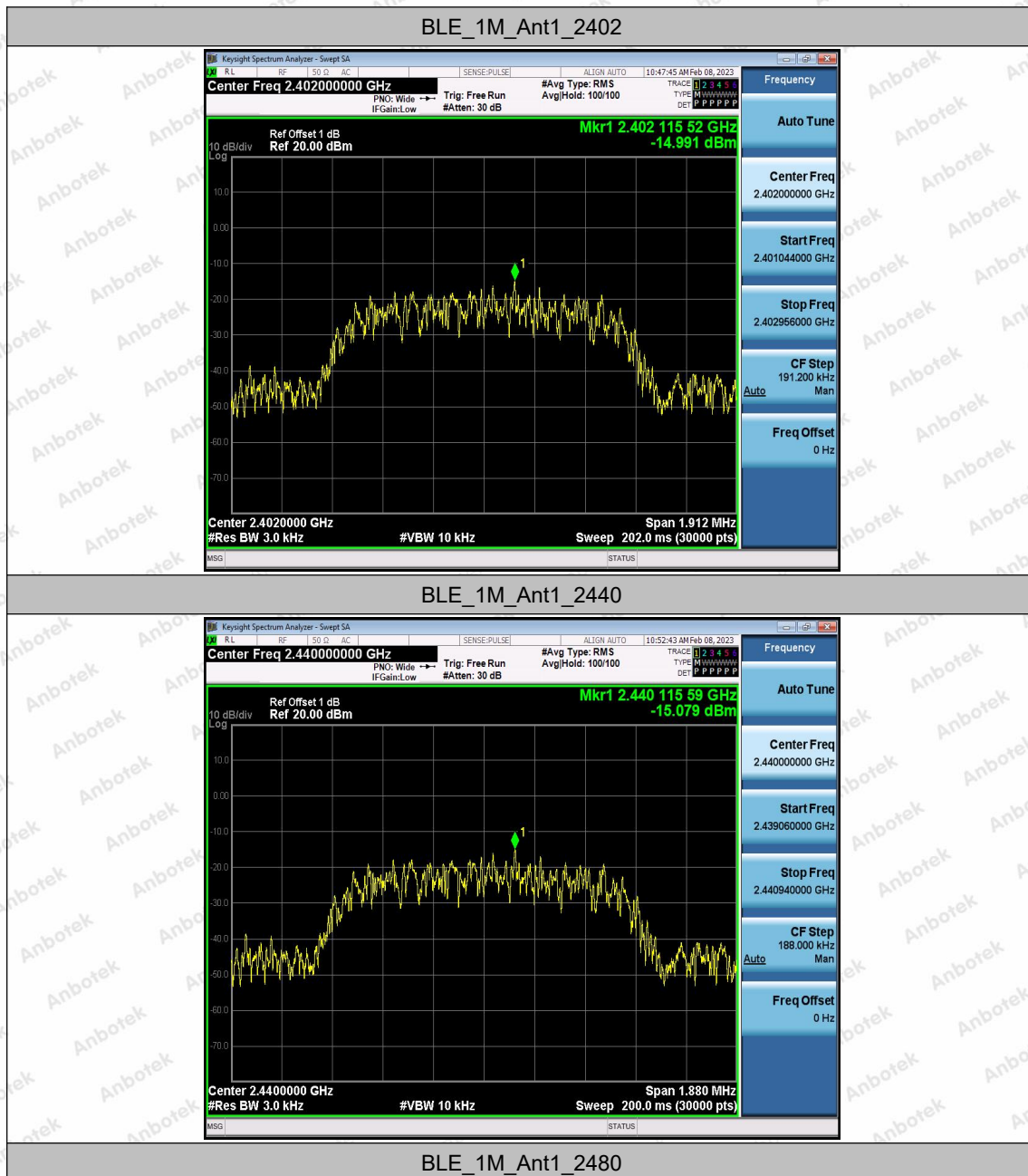
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.99	≤8.00	PASS
		2440	-15.08	≤8.00	PASS
		2480	-15.58	≤8.00	PASS



Test Graphs



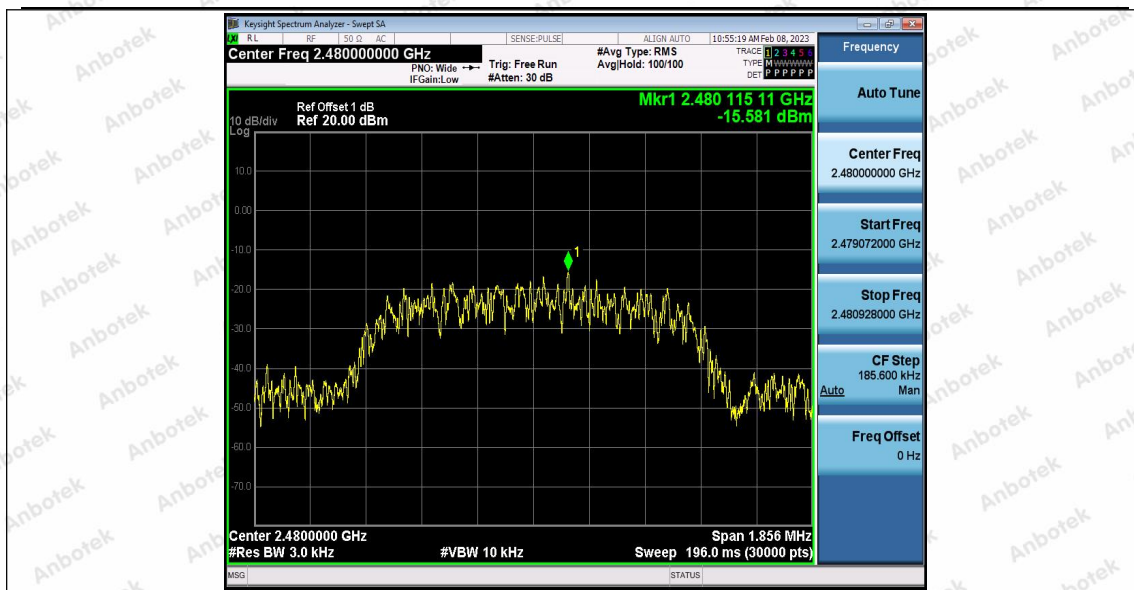
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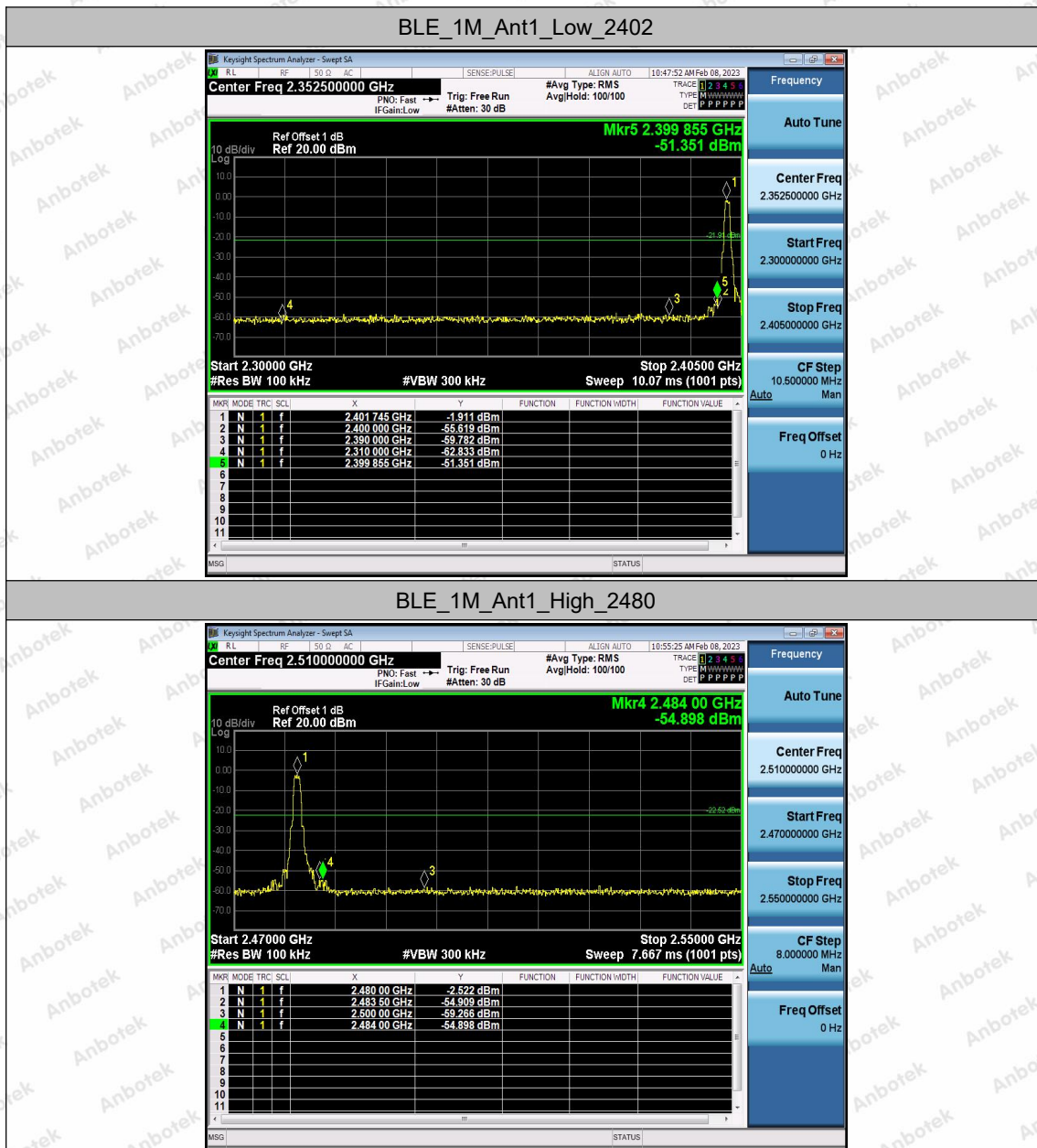
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.91	-51.35	≤-21.91	PASS
		High	2480	-2.52	-54.9	≤-22.52	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	-2.24	-2.24	---	PASS
			30~1000	-2.24	-68.39	≤-22.24	PASS
			1000~26500	-2.24	-53.82	≤-22.24	PASS
		2440	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-68.47	≤-22.94	PASS
			1000~26500	-2.94	-53.33	≤-22.94	PASS
		2480	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-69.17	≤-22.92	PASS
			1000~26500	-2.92	-53.06	≤-22.92	PASS

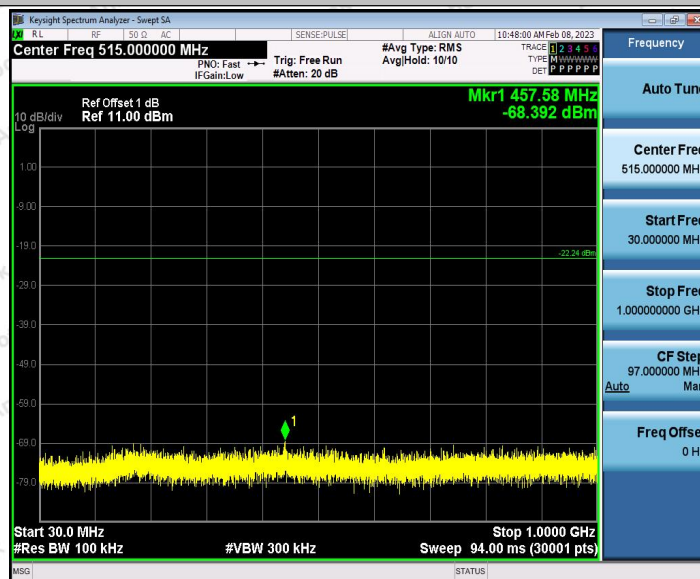


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

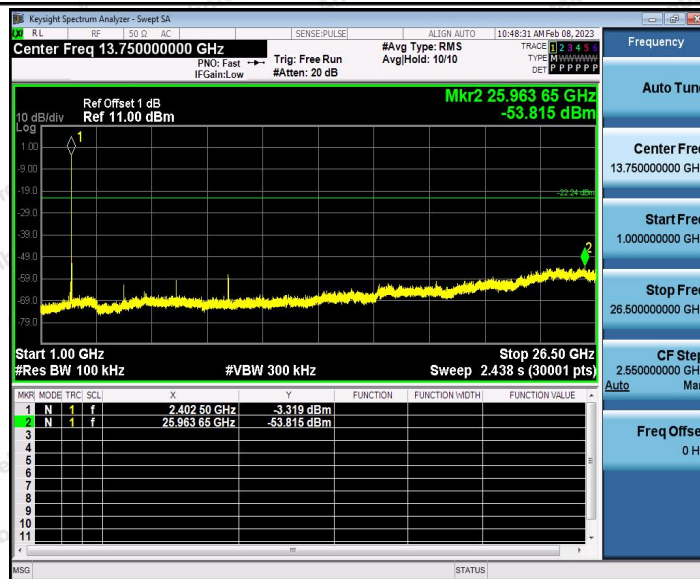
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

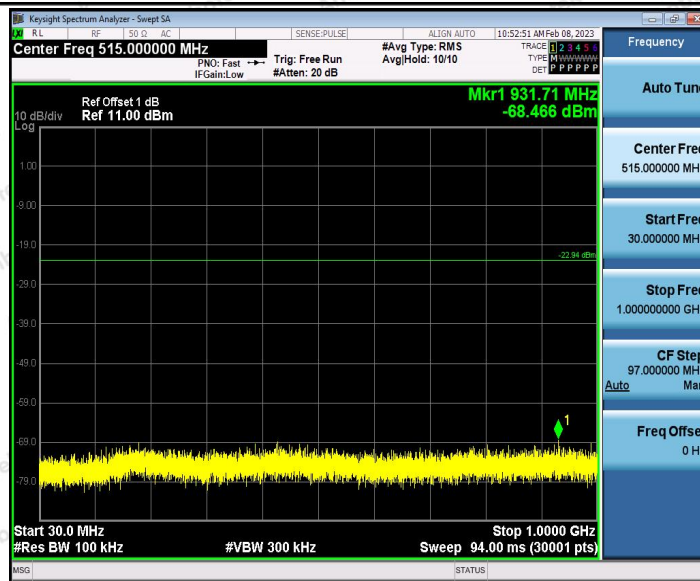
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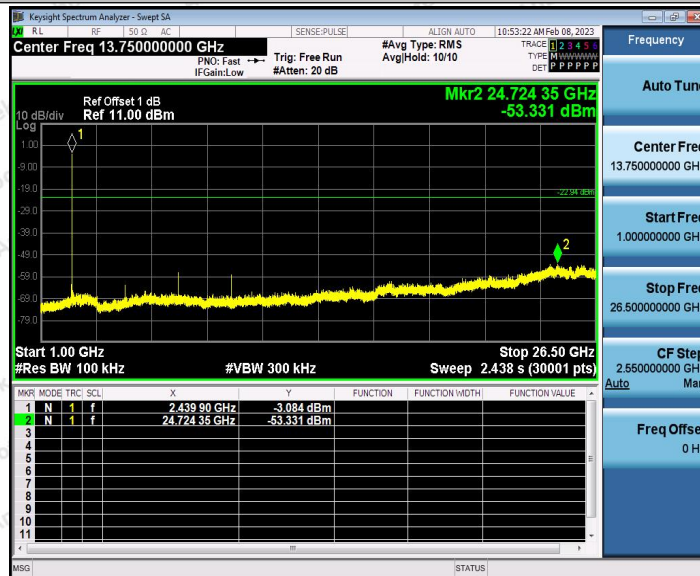


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

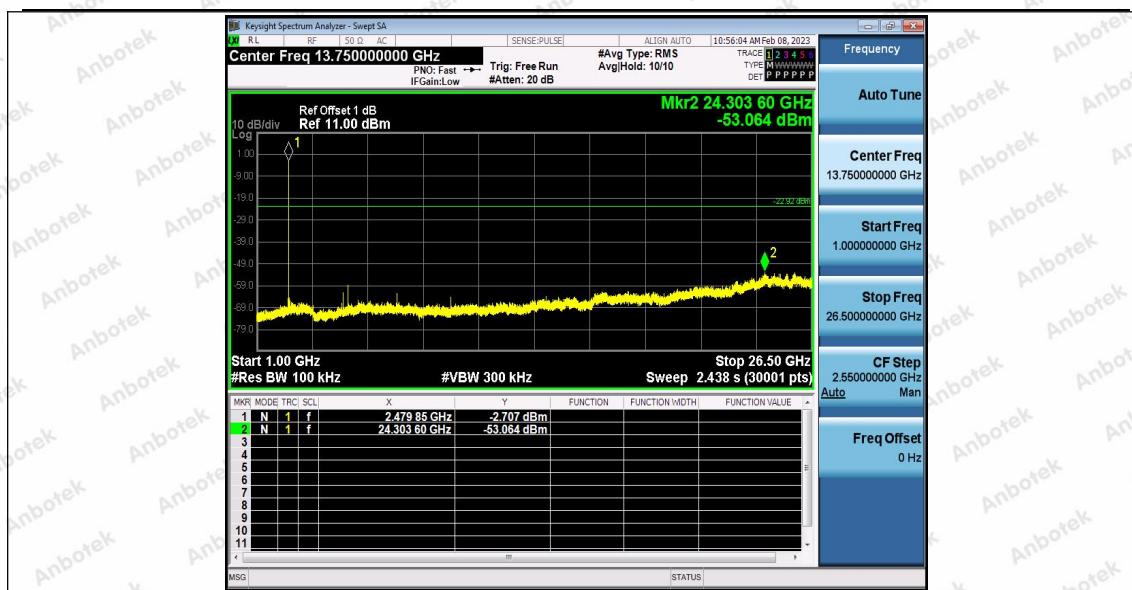
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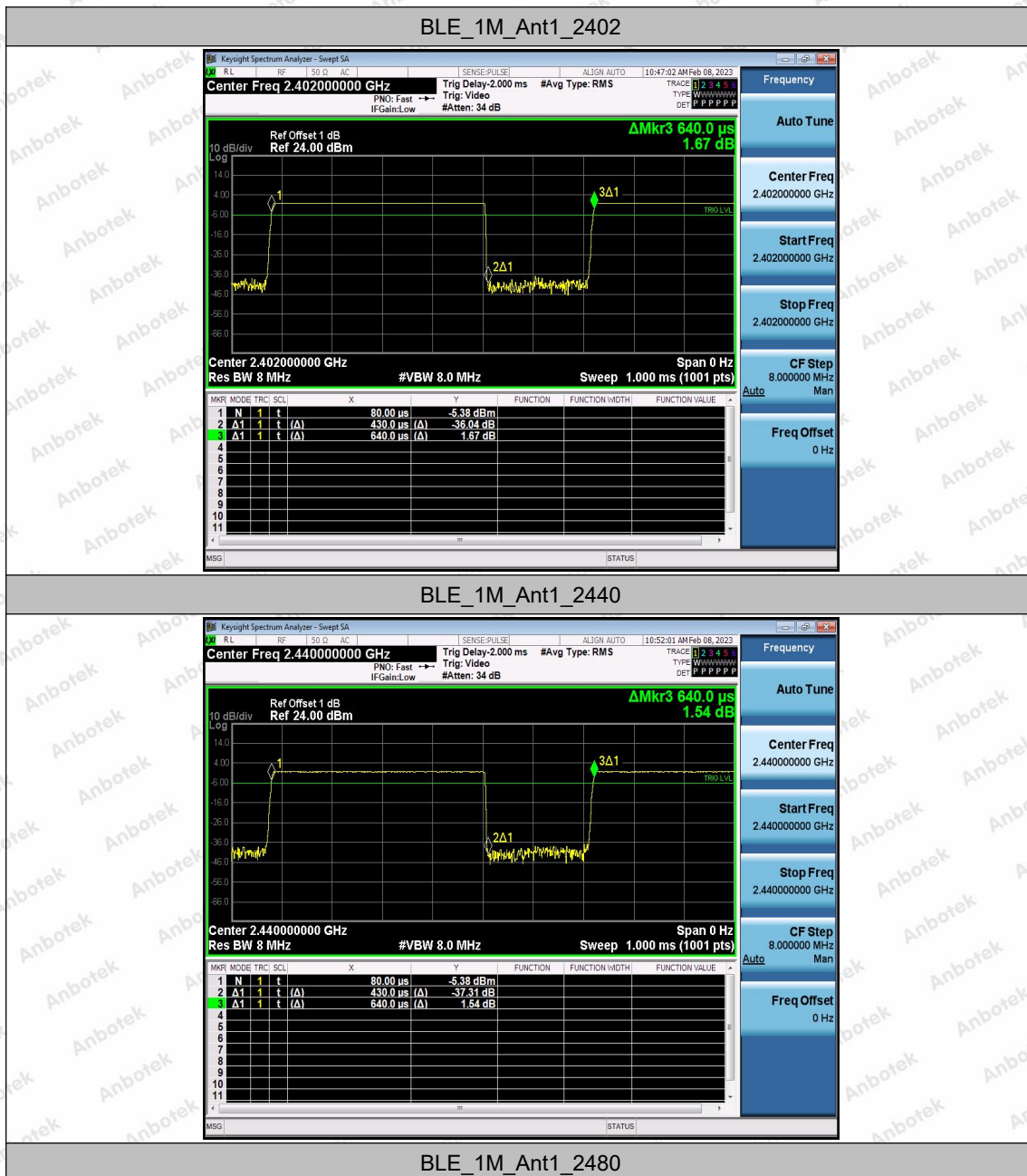
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.43	0.64	67.19	1.73
		2440	0.43	0.64	67.19	1.73
		2480	0.43	0.64	67.19	1.73



Test Graphs



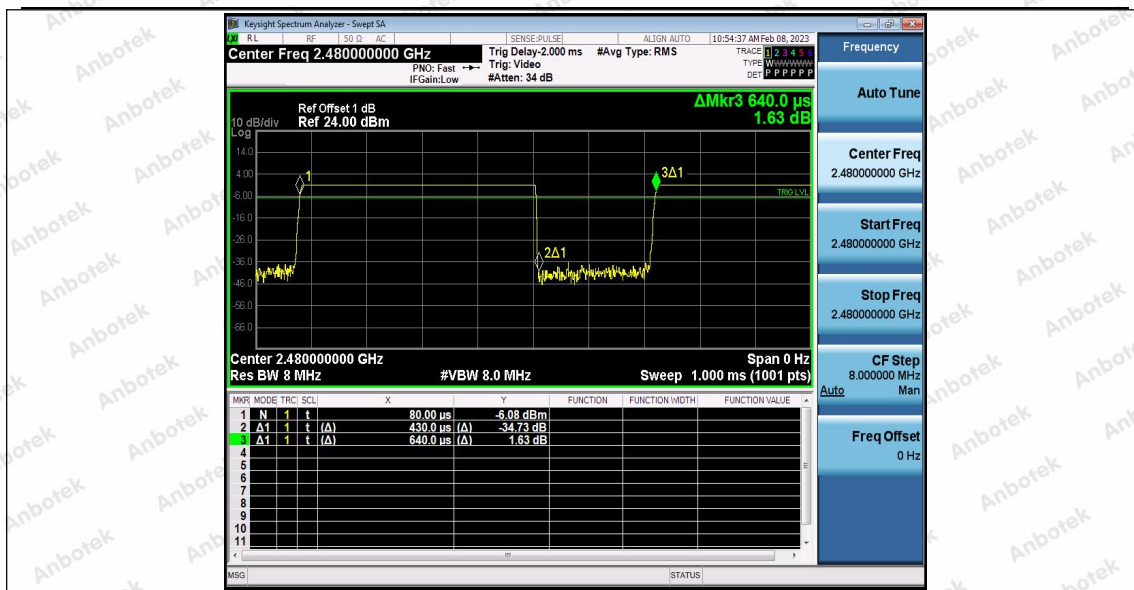
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