

Appendix Test Data

Report No.:	18220WC40007001	Test Sample No.:	1-2-2
Start Test Date:	2024.1.18	Finish Test Date:	2024.1.18
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	45%
Pressure:	101kPa		

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	2401.660	2402.336	0.5	PASS
		2440	0.700	2439.652	2440.352	0.5	PASS
		2480	0.676	2479.660	2480.336	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	1.0274	2401.4986	2402.5260
		2440	1.0204	2439.4983	2440.5187
		2480	1.0323	2479.4971	2480.5294



Test Graphs



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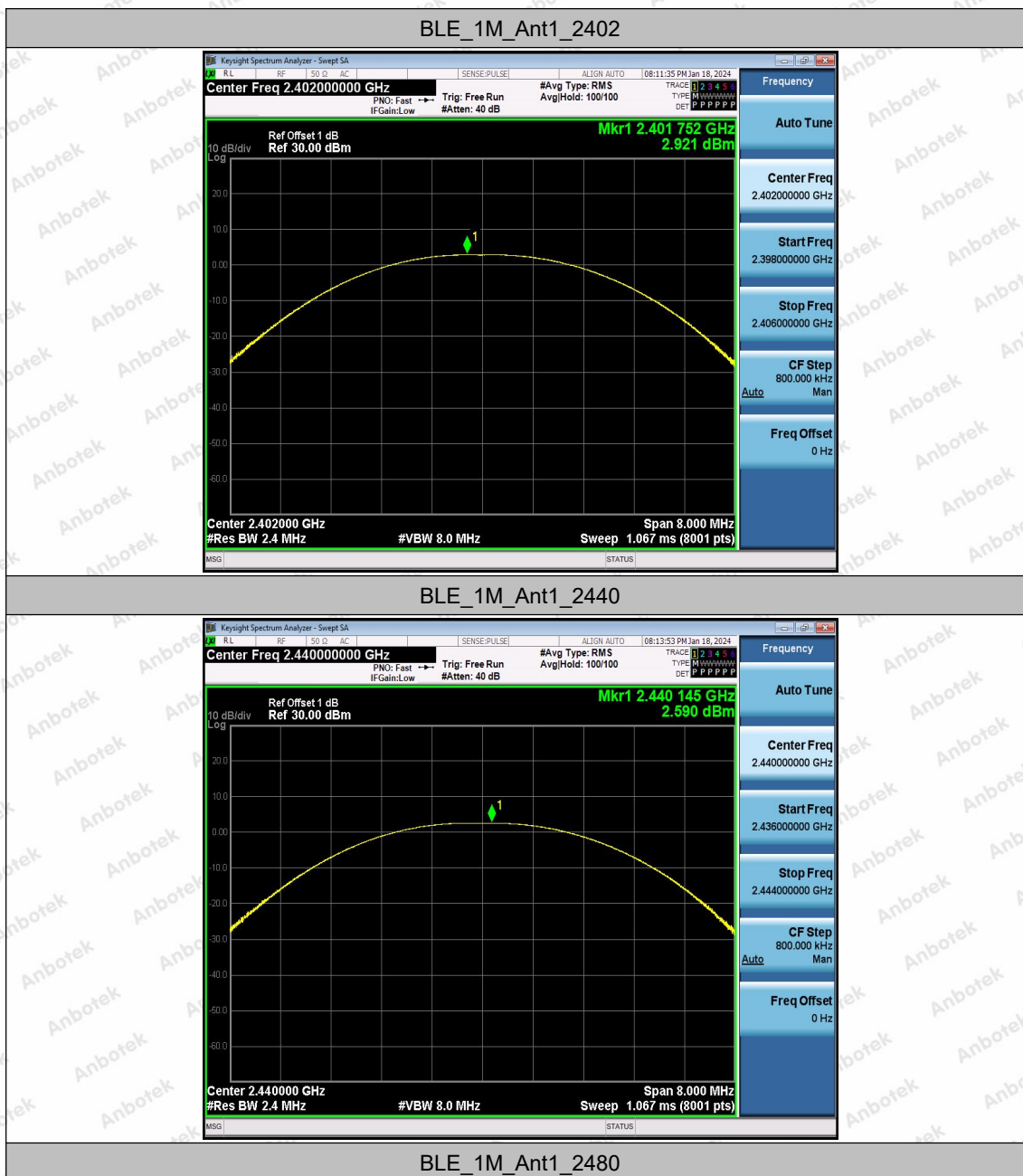
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.92	≤30	PASS
		2440	2.59	≤30	PASS
		2480	1.82	≤30	PASS



Test Graphs Peak



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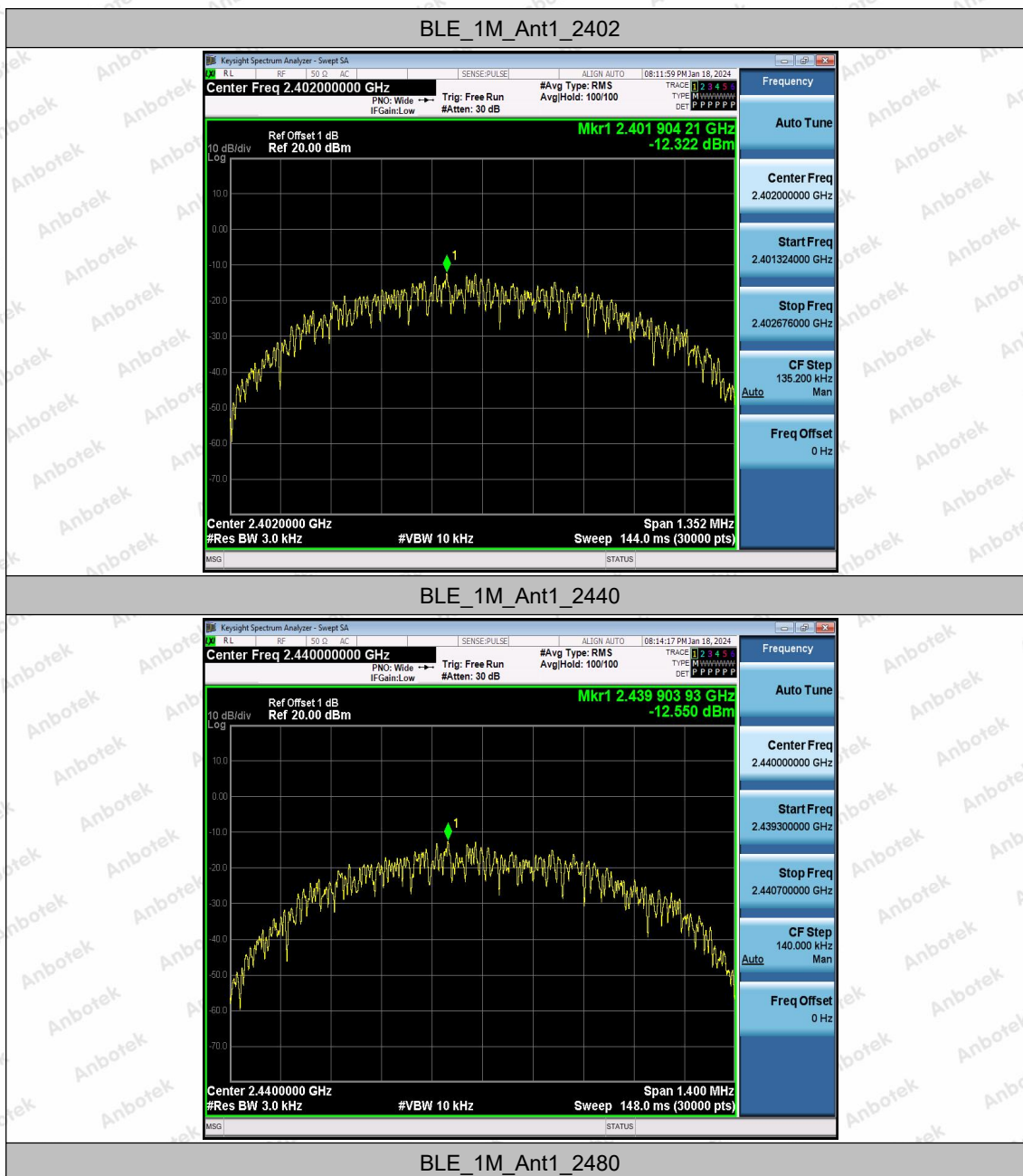
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.32	≤8.00	PASS
		2440	-12.55	≤8.00	PASS
		2480	-13.29	≤8.00	PASS



Test Graphs



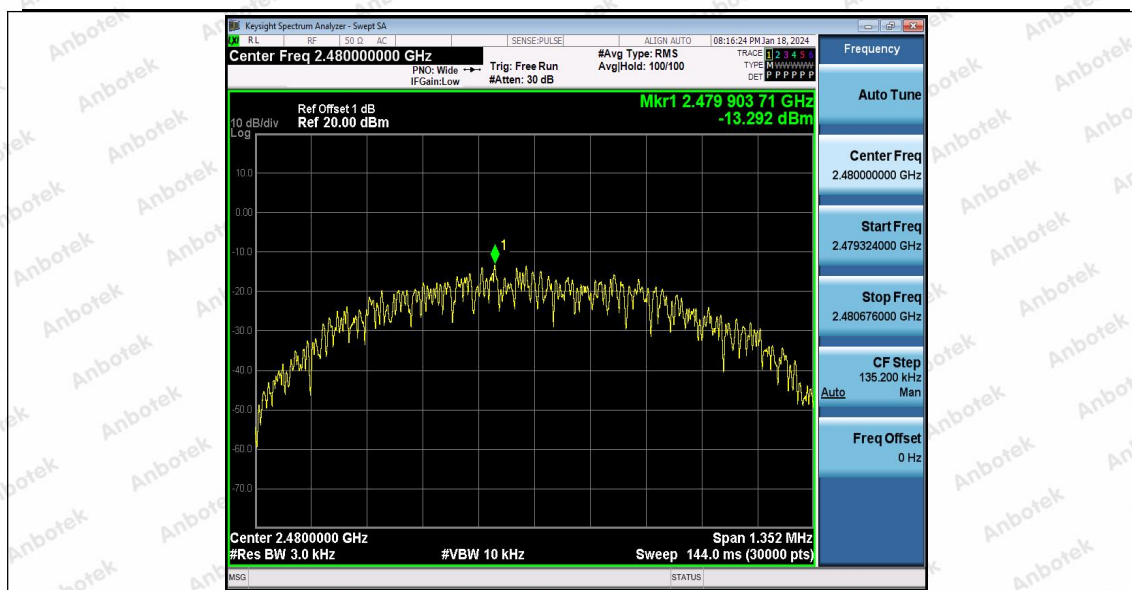
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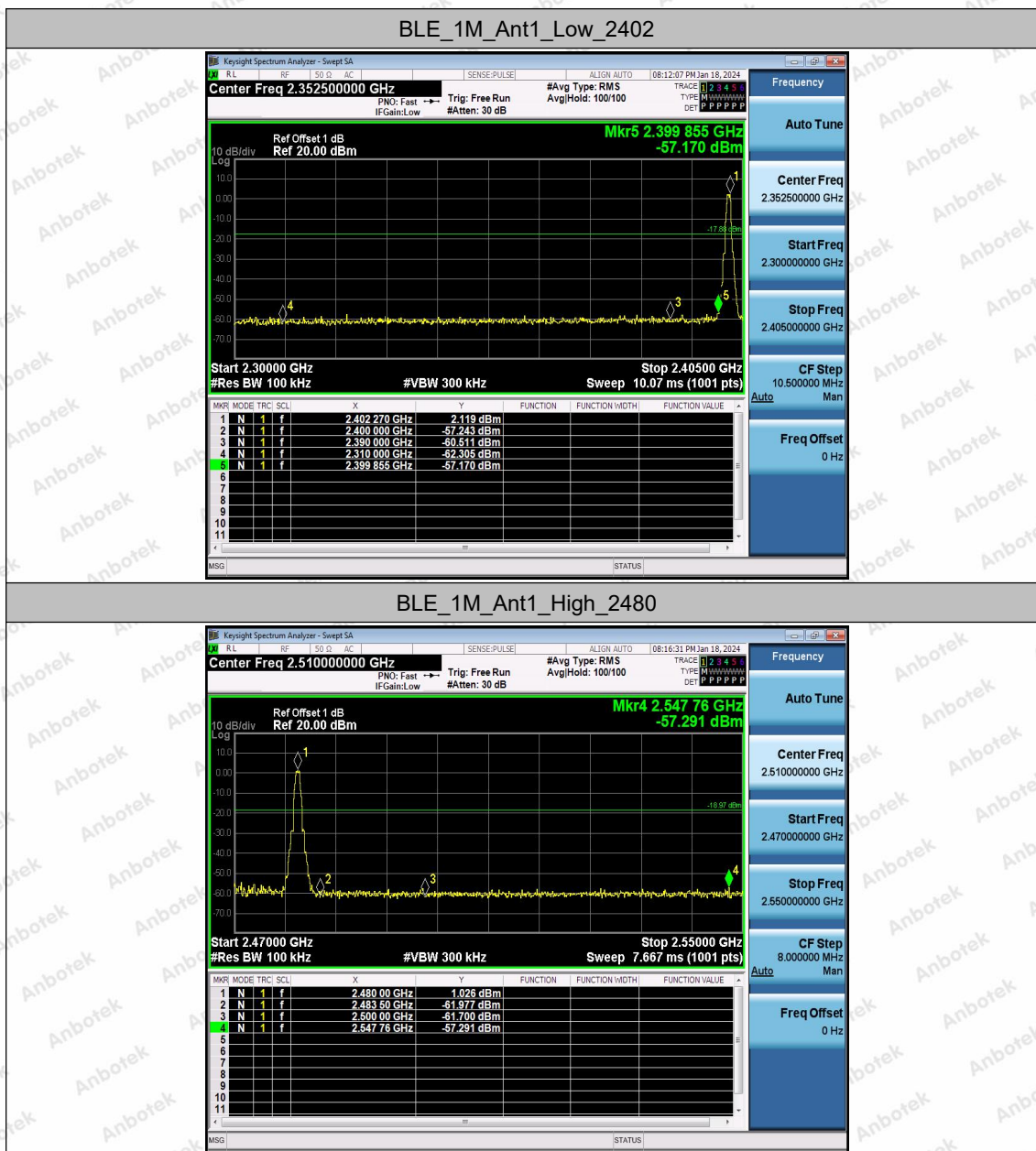
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.12	-57.17	≤-17.88	PASS
		High	2480	1.03	-57.29	≤-18.97	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	1.47	1.47	---	PASS
			30~1000	1.47	-69.41	≤-18.53	PASS
			1000~26500	1.47	-53.46	≤-18.53	PASS
		2440	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-67.66	≤-19.15	PASS
			1000~26500	0.85	-53.70	≤-19.15	PASS
		2480	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-69.05	≤-19.35	PASS
			1000~26500	0.65	-53.53	≤-19.35	PASS

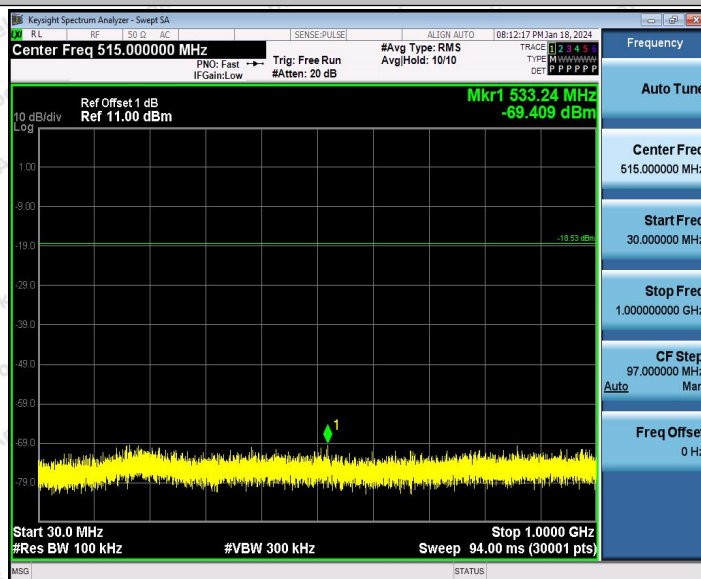


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

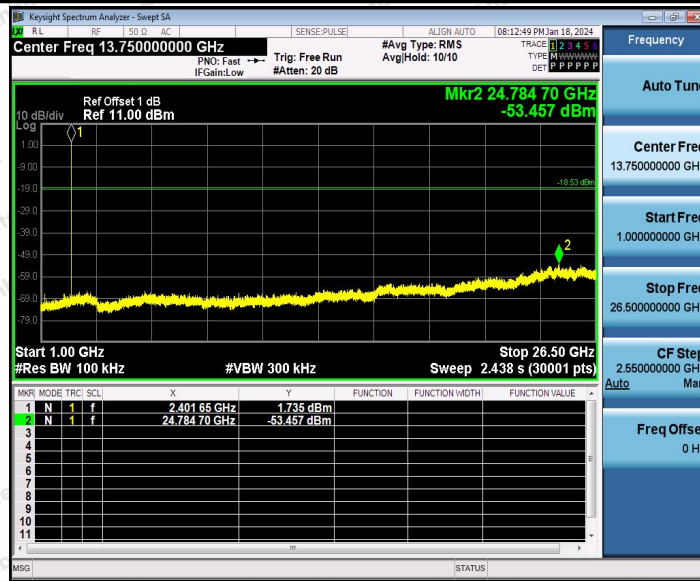
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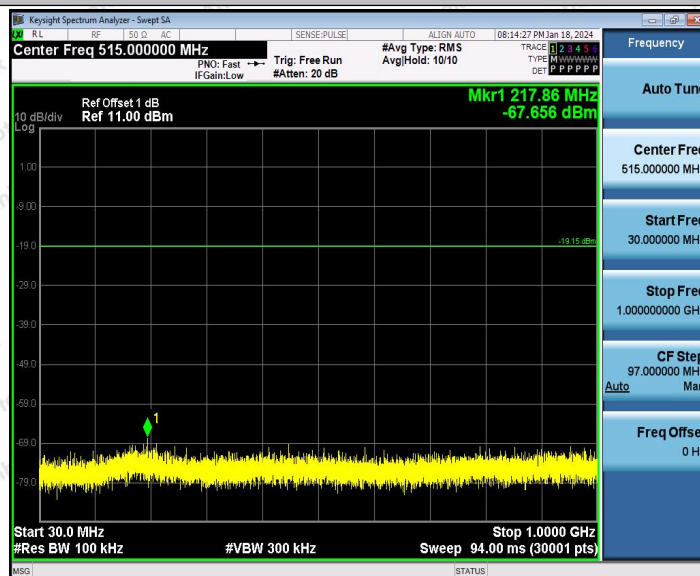




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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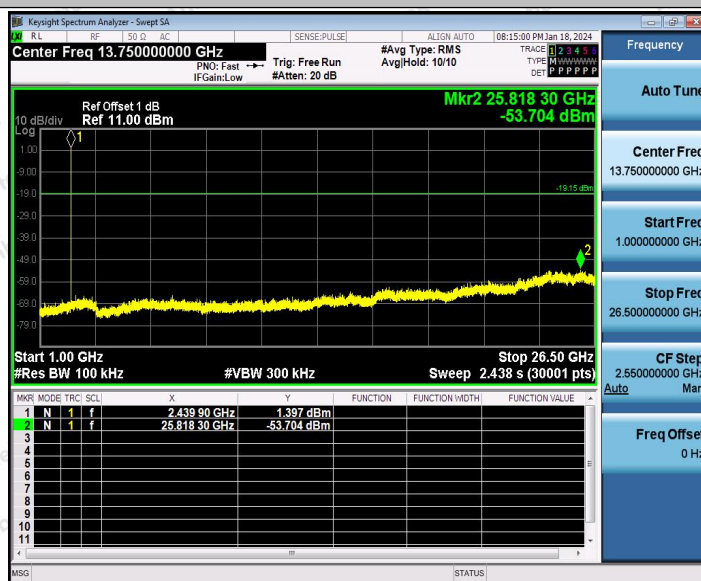
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

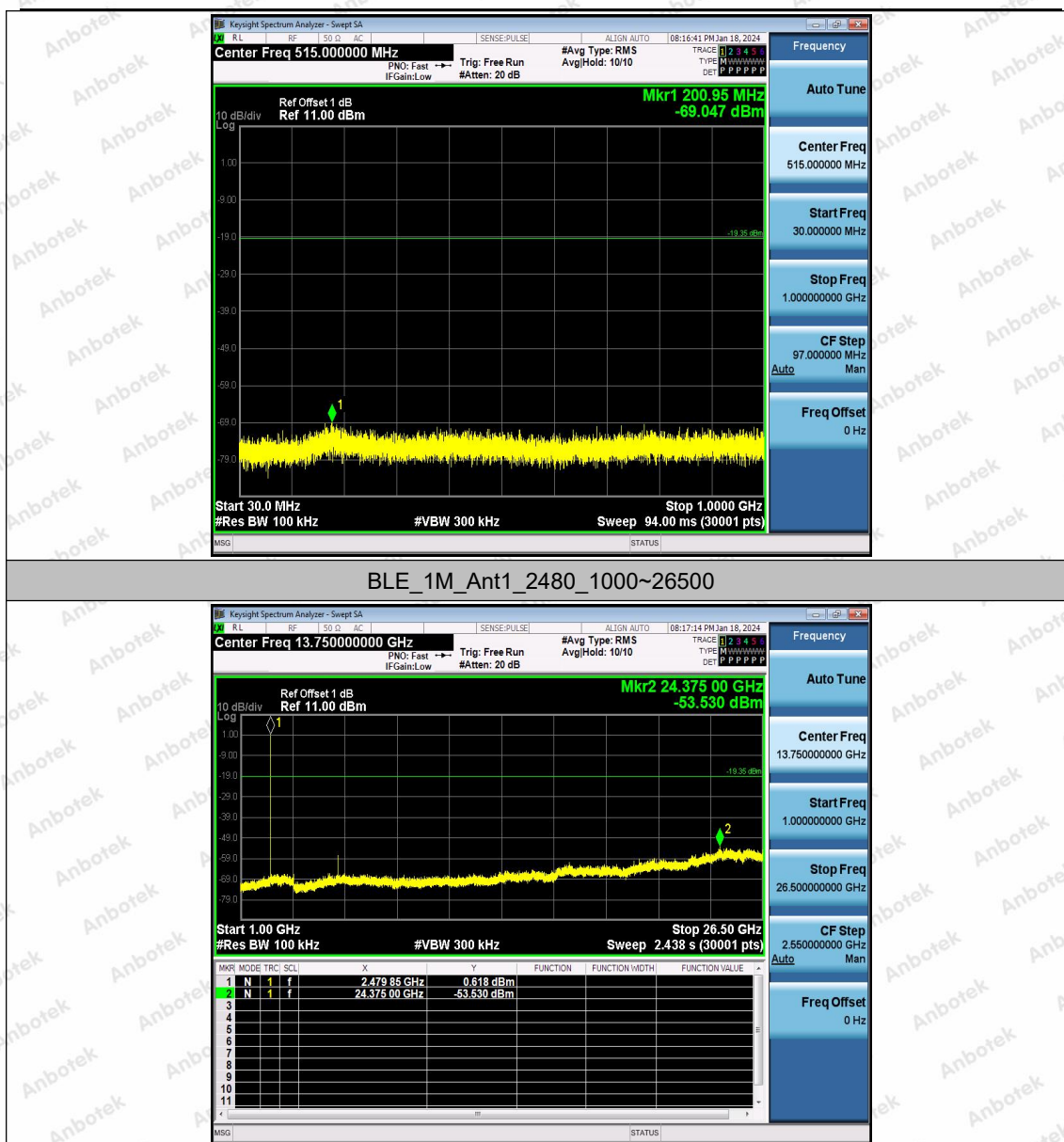
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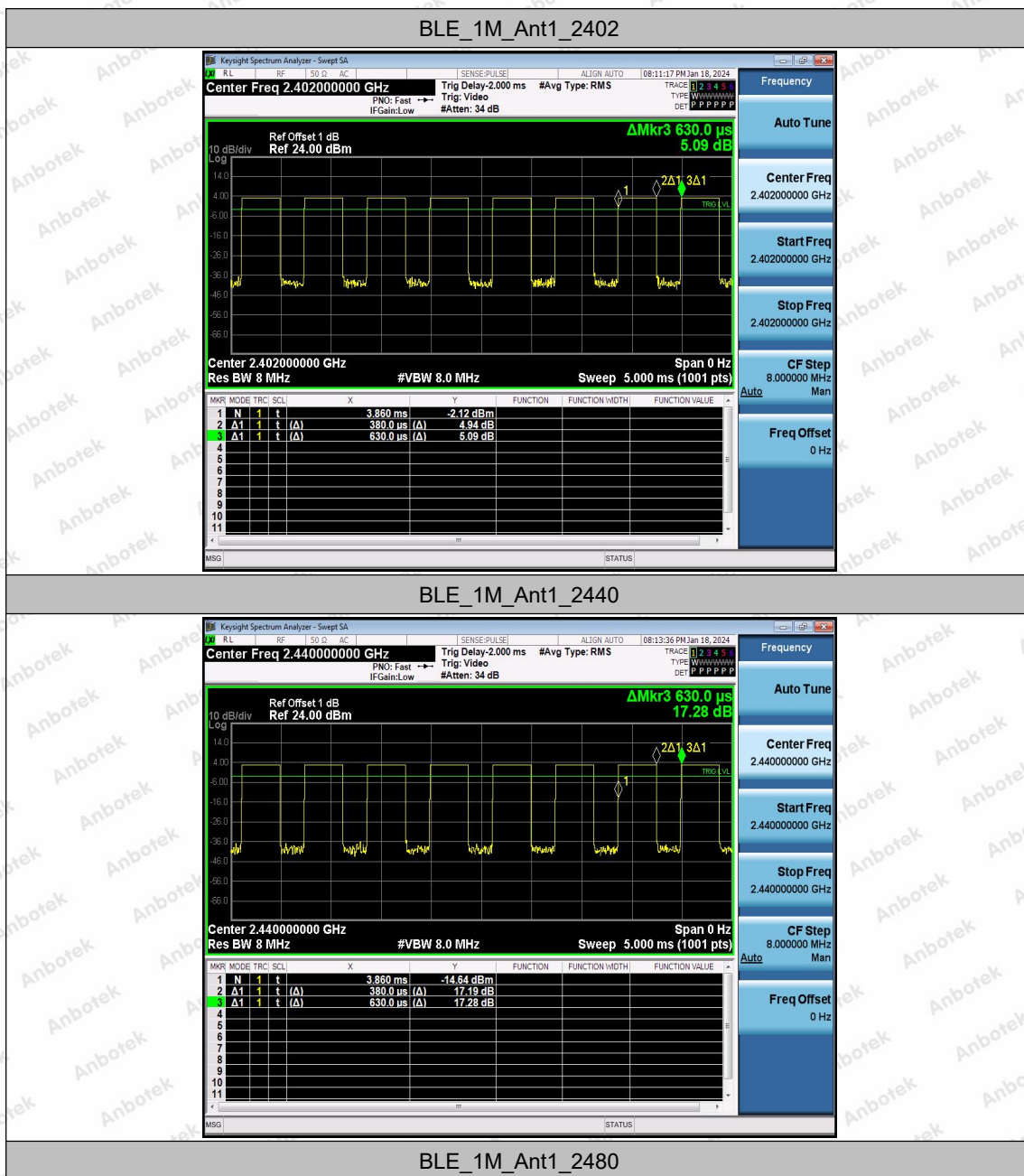
Appendix G: Duty Cycle

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	0.62	61.29	2.13



Test Graphs



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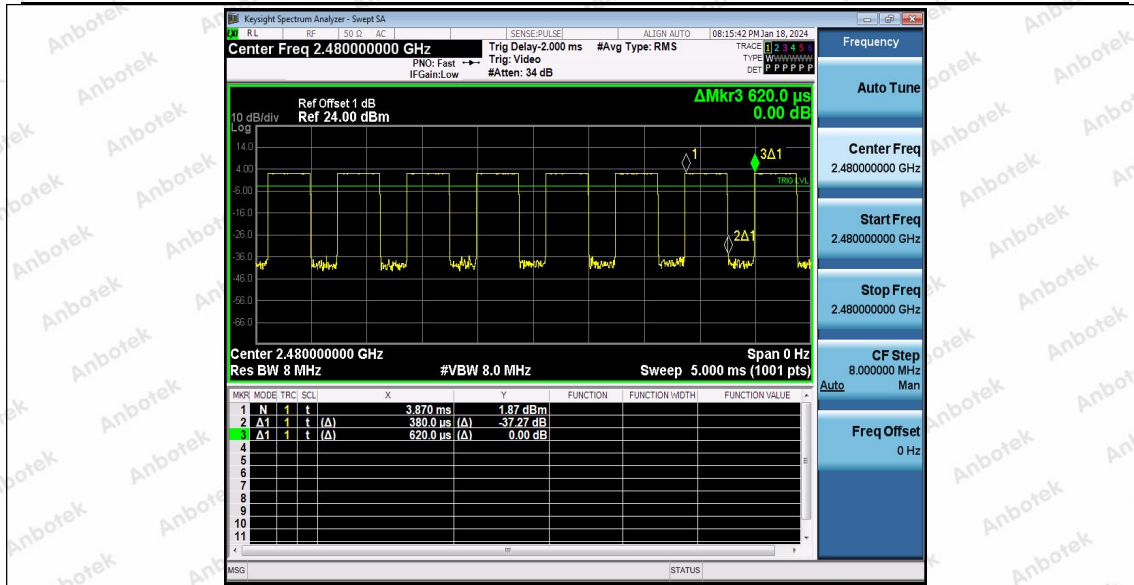


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