

Appendix Test Data

Report No.:	18220WC30232202	Test Sample No.:	1-2-2
Start Test Date:	2023.11.07	Finish Test Date:	2023.11.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.3℃	Relative Humidity:	51%
Pressure:	101kPa		

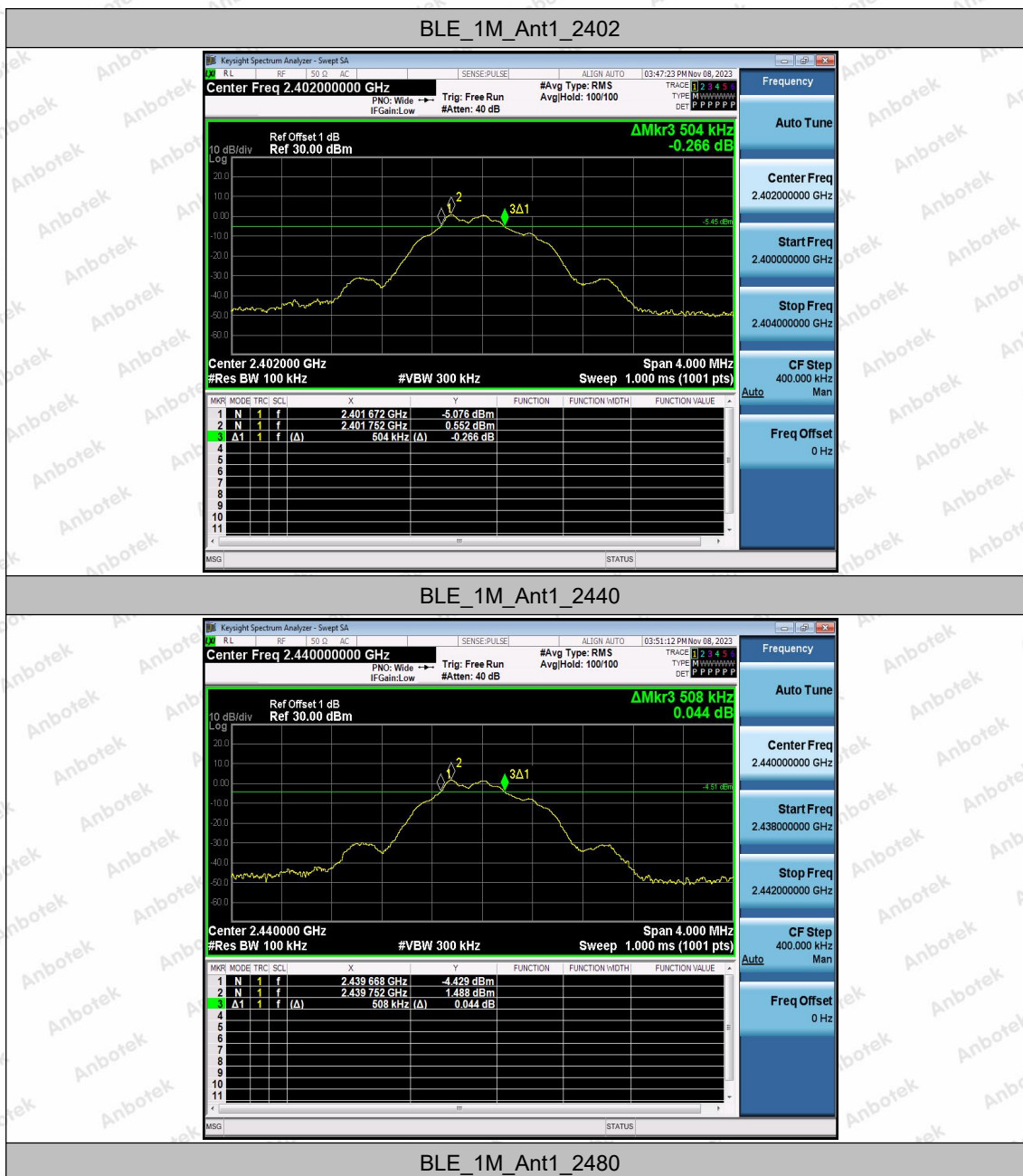
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.504	2401.672	2402.176	0.5	PASS
		2440	0.508	2439.668	2440.176	0.5	PASS
		2480	0.508	2479.668	2480.176	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	1.0254	2401.4960	2402.5214
		2440	1.0292	2439.4970	2440.5262
		2480	1.0199	2479.5022	2480.5221



Test Graphs



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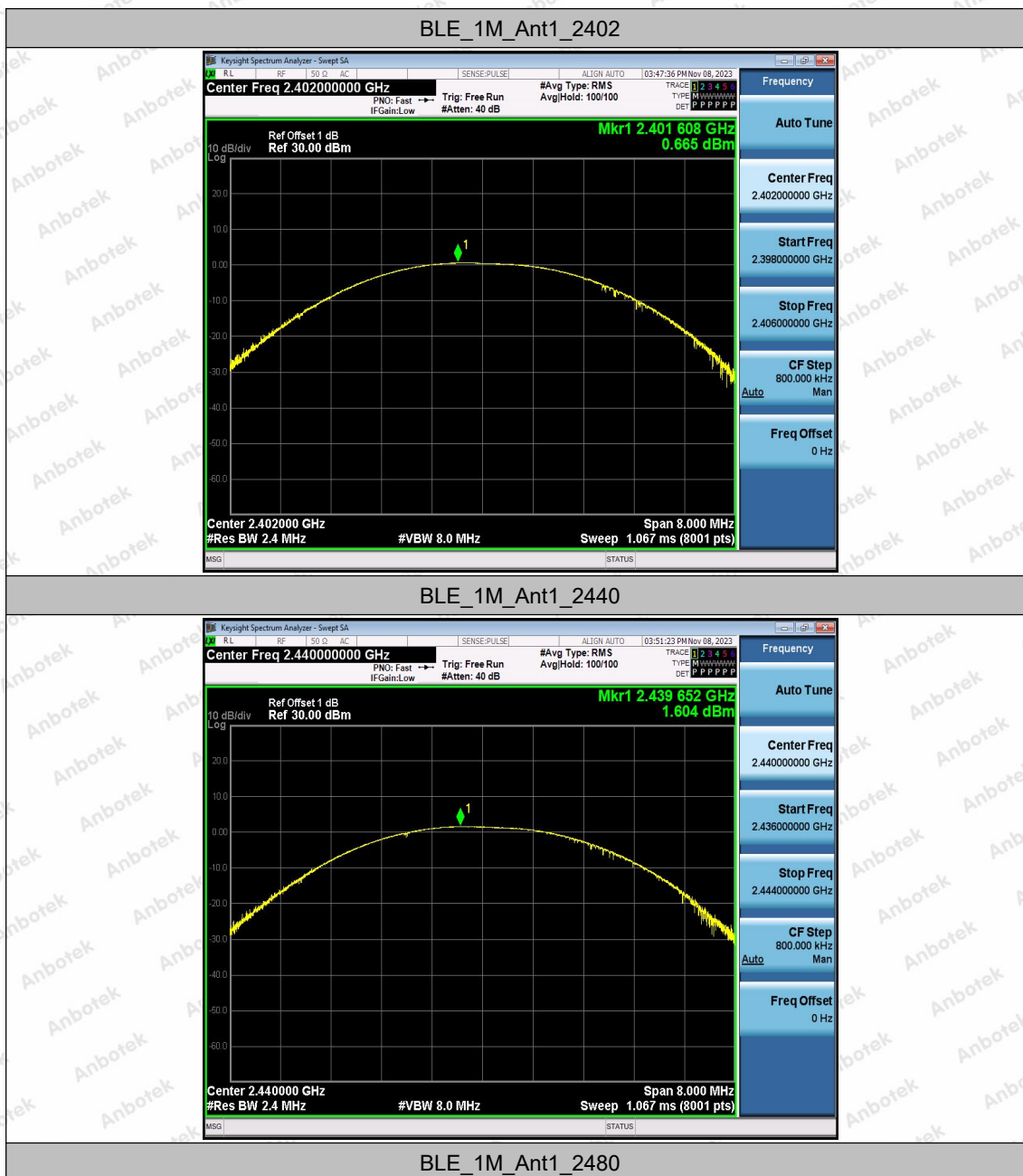
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.67	≤30	PASS
		2440	1.60	≤30	PASS
		2480	1.99	≤30	PASS



Test Graphs Peak



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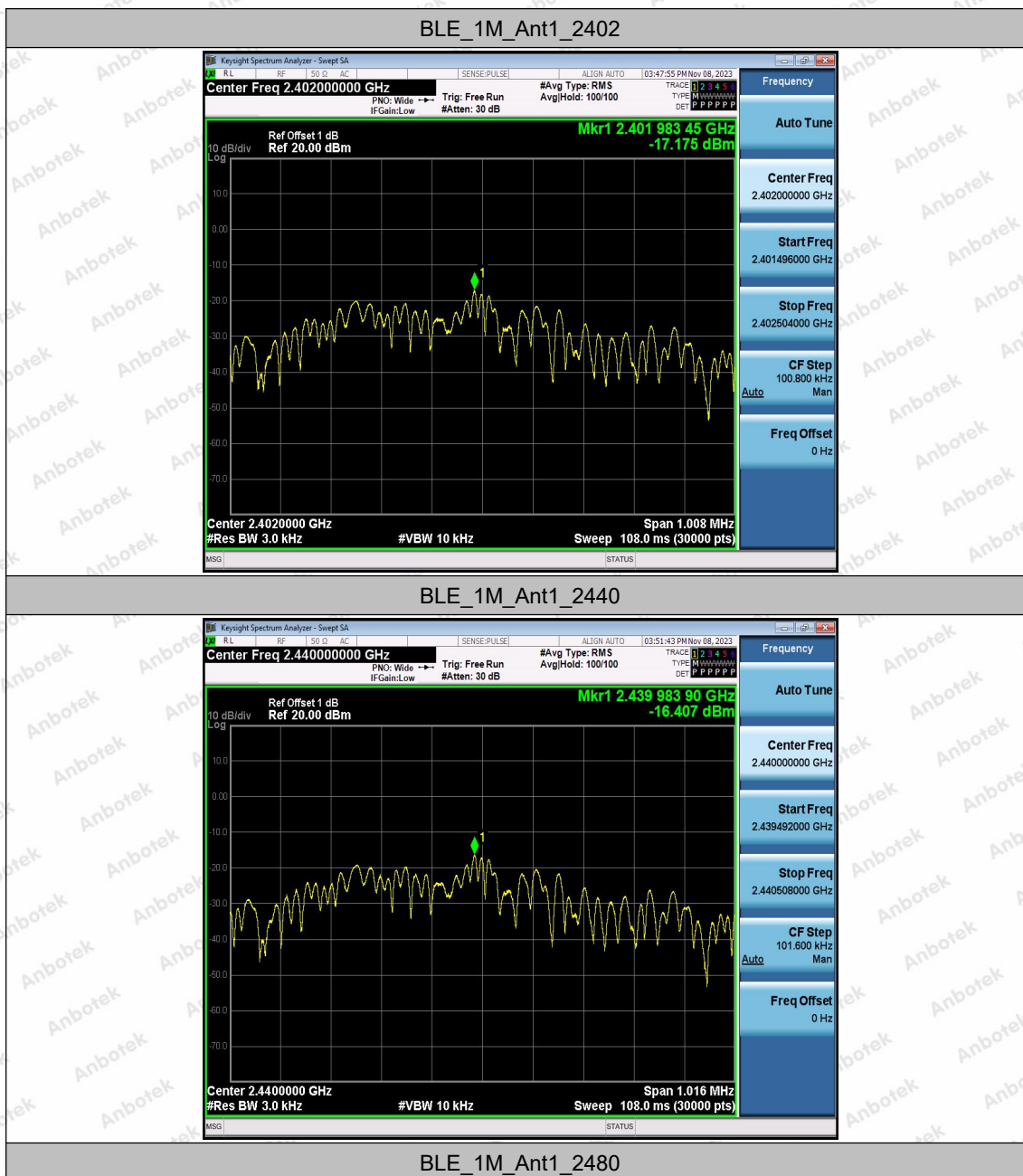
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.18	≤8.00	PASS
		2440	-16.41	≤8.00	PASS
		2480	-16.08	≤8.00	PASS



Test Graphs



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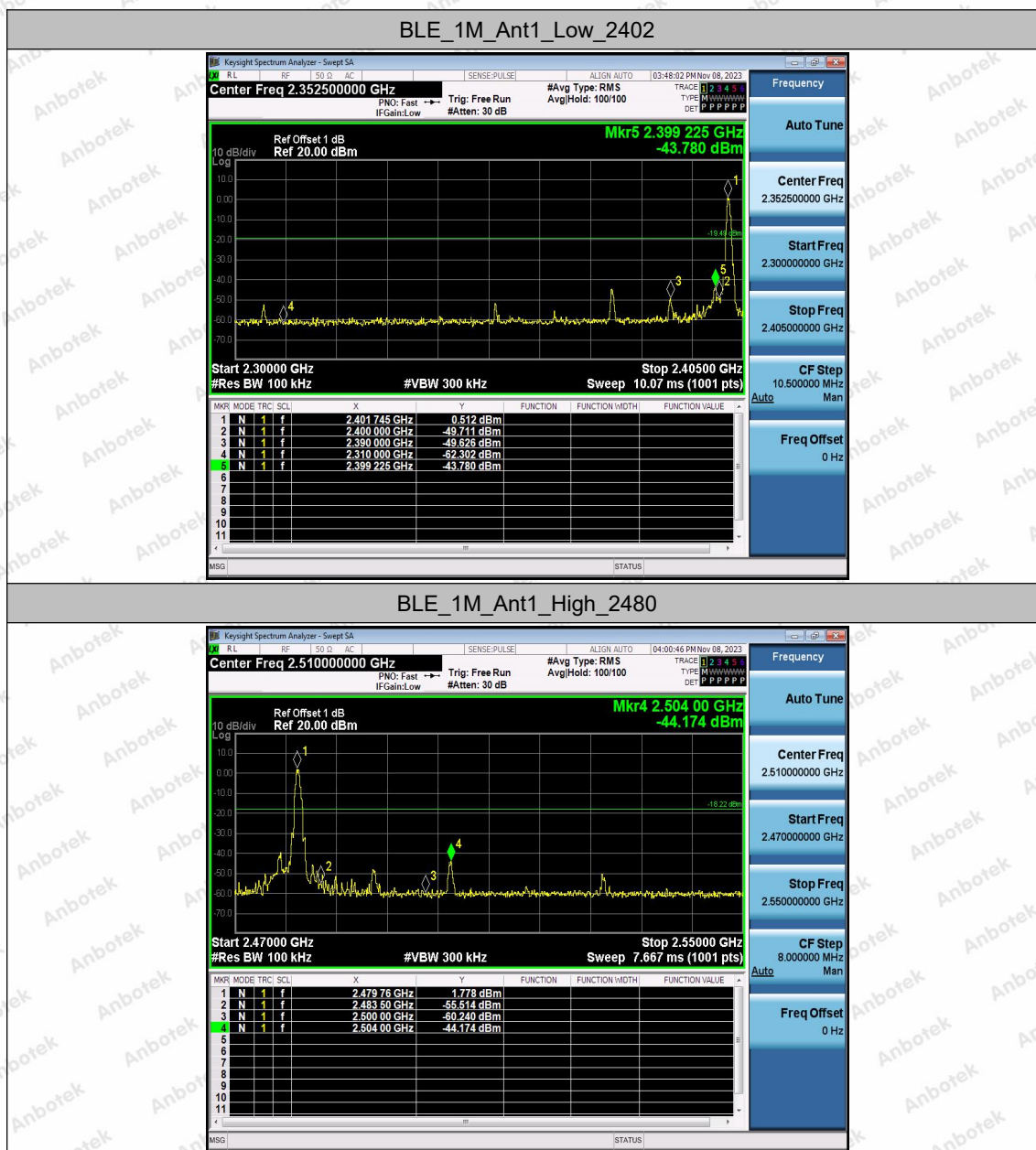


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.51	-43.78	≤-19.49	PASS
		High	2480	1.78	-44.17	≤-18.22	PASS

Test Graphs



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	0.56	0.56	---	PASS
			30~1000	0.56	-43.82	≤-19.44	PASS
			1000~26500	0.56	-42.65	≤-19.44	PASS
		2440	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-46.3	≤-18.47	PASS
			1000~26500	1.53	-40.89	≤-18.47	PASS
		2480	Reference	1.89	1.89	---	PASS
			30~1000	1.89	-43.5	≤-18.11	PASS
			1000~26500	1.89	-40.91	≤-18.11	PASS

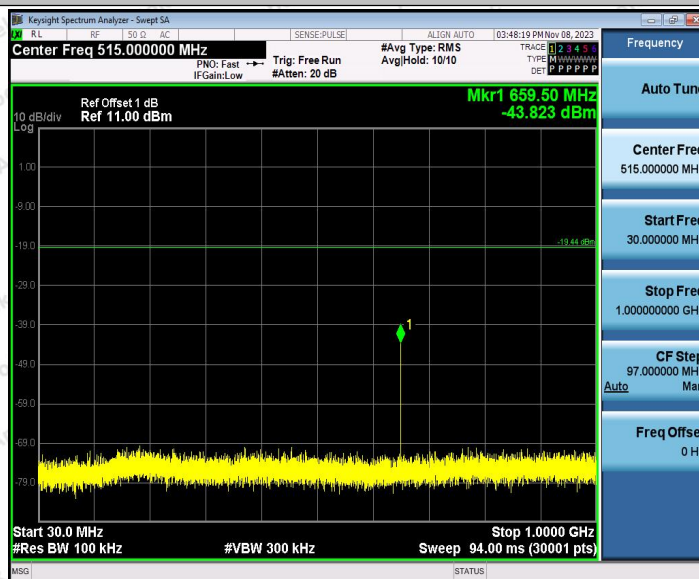


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

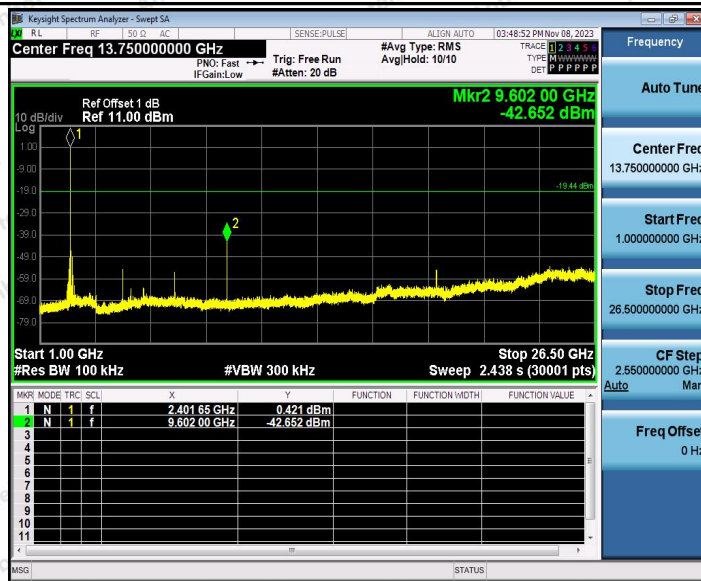
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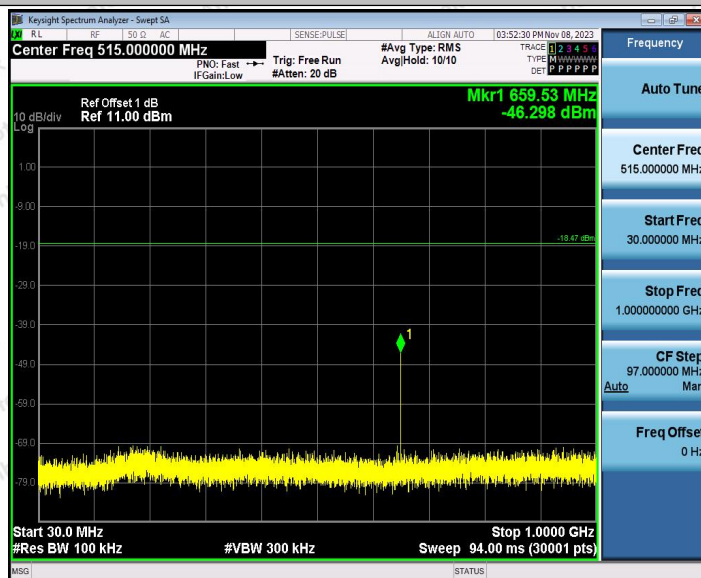




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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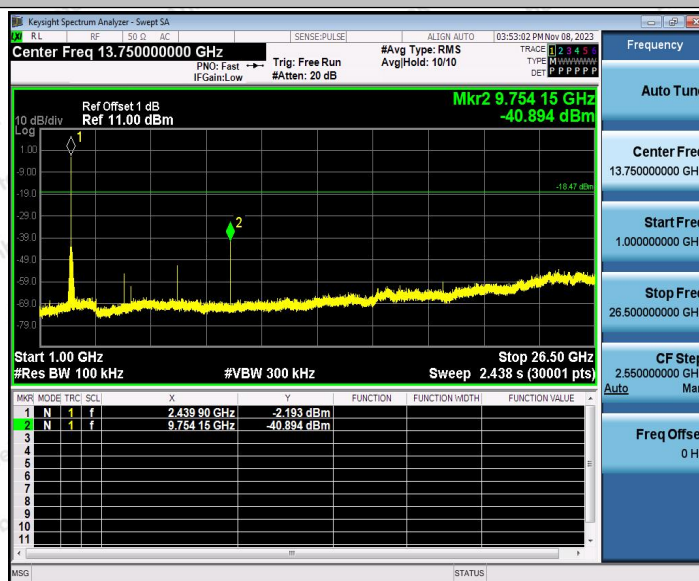
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

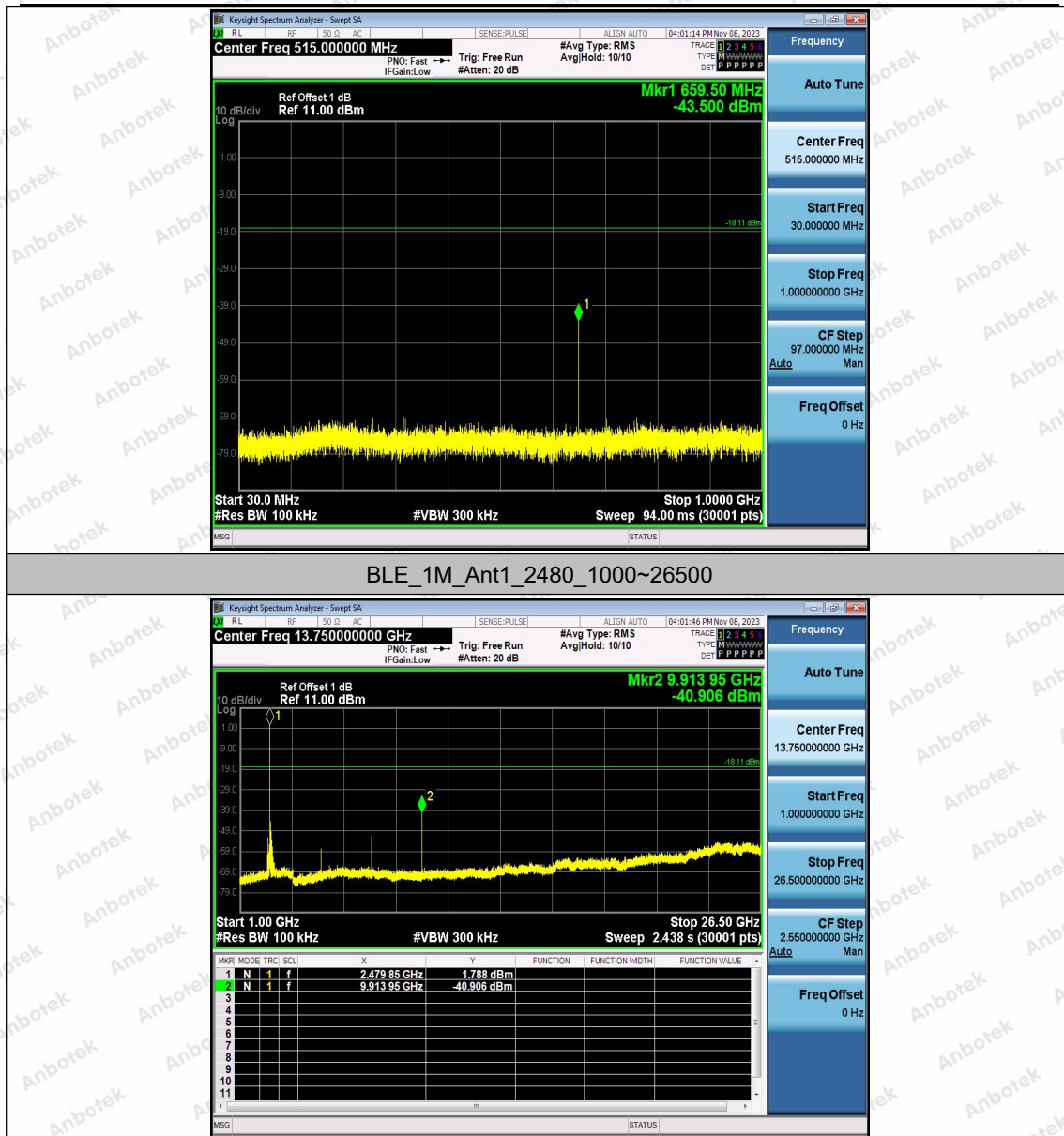
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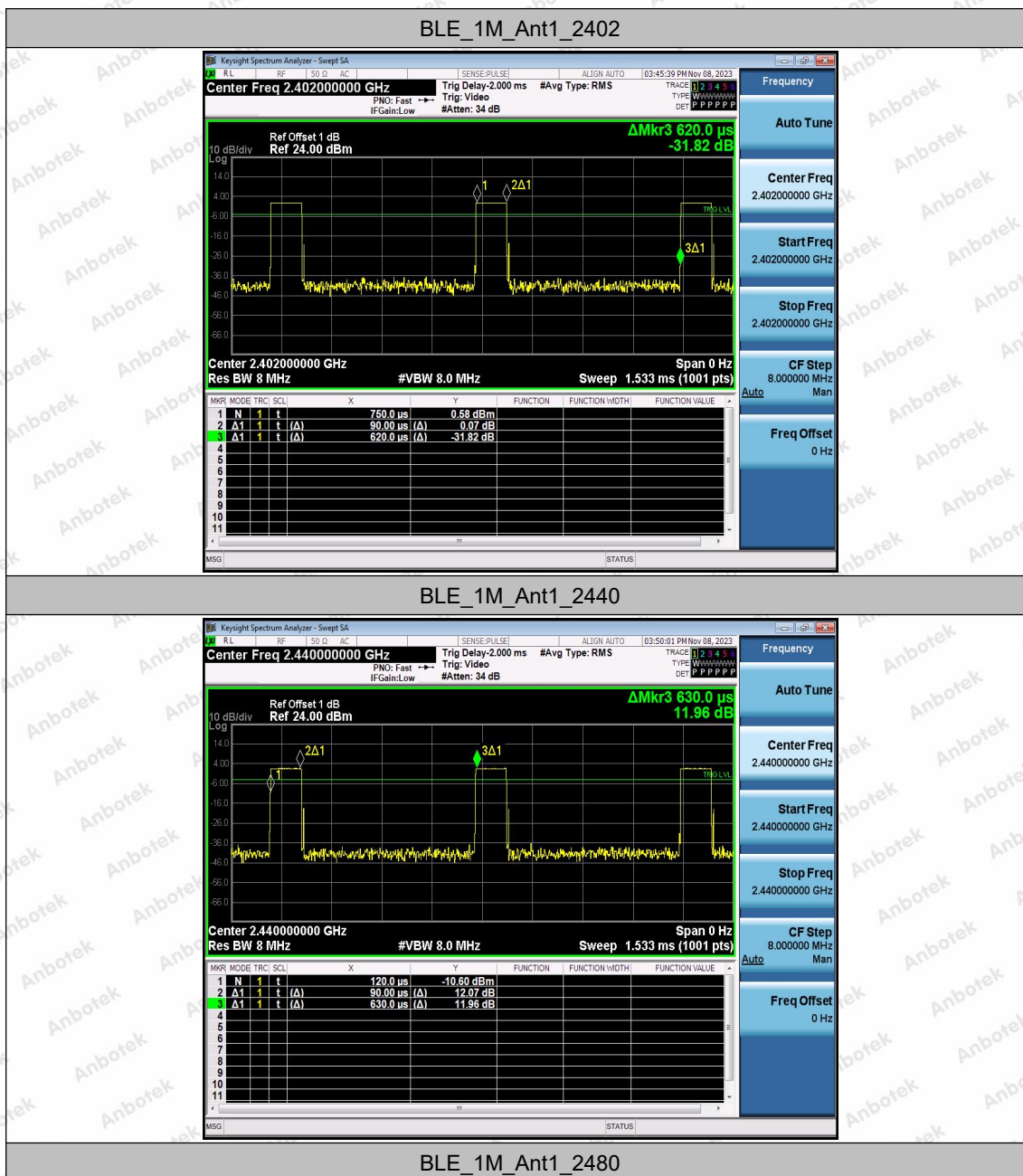
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.09	0.62	14.52	8.38
		2440	0.09	0.63	14.29	8.45
		2480	0.09	0.62	14.52	8.38



Test Graphs



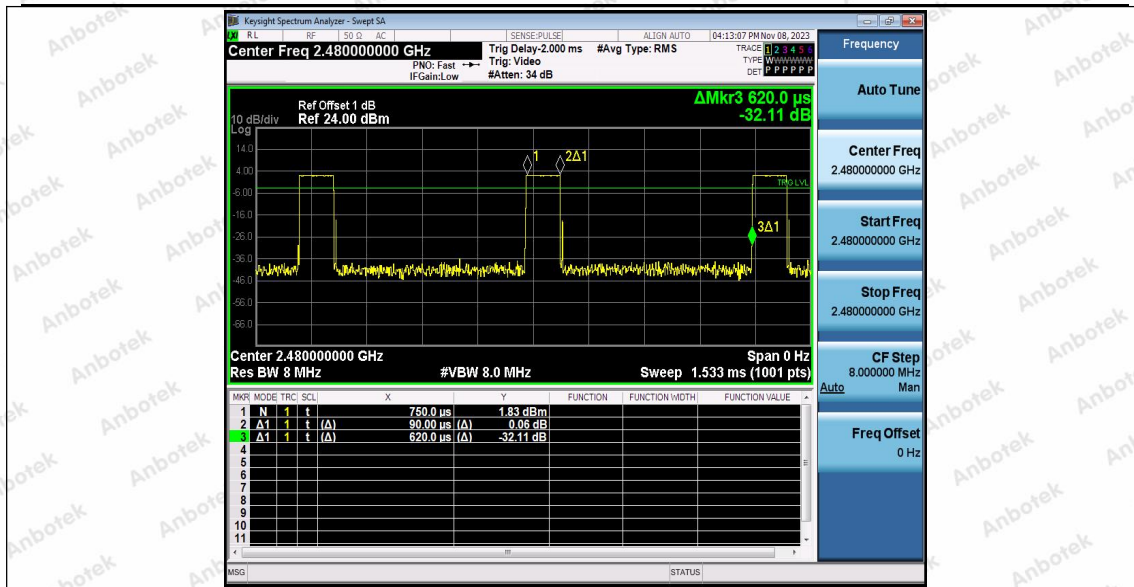
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