

Appendix Test Data

Report No.:	18220WC40006201	Test Sample No.:	1-2-2
Start Test Date:	2024.1.22	Finish Test Date:	2024.1.22
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	42%
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	0.688	2401.664	2402.352	0.5	PASS
		2440	0.692	2439.656	2440.348	0.5	PASS
		2480	0.696	2479.648	2480.344	0.5	PASS

Test Graphs



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BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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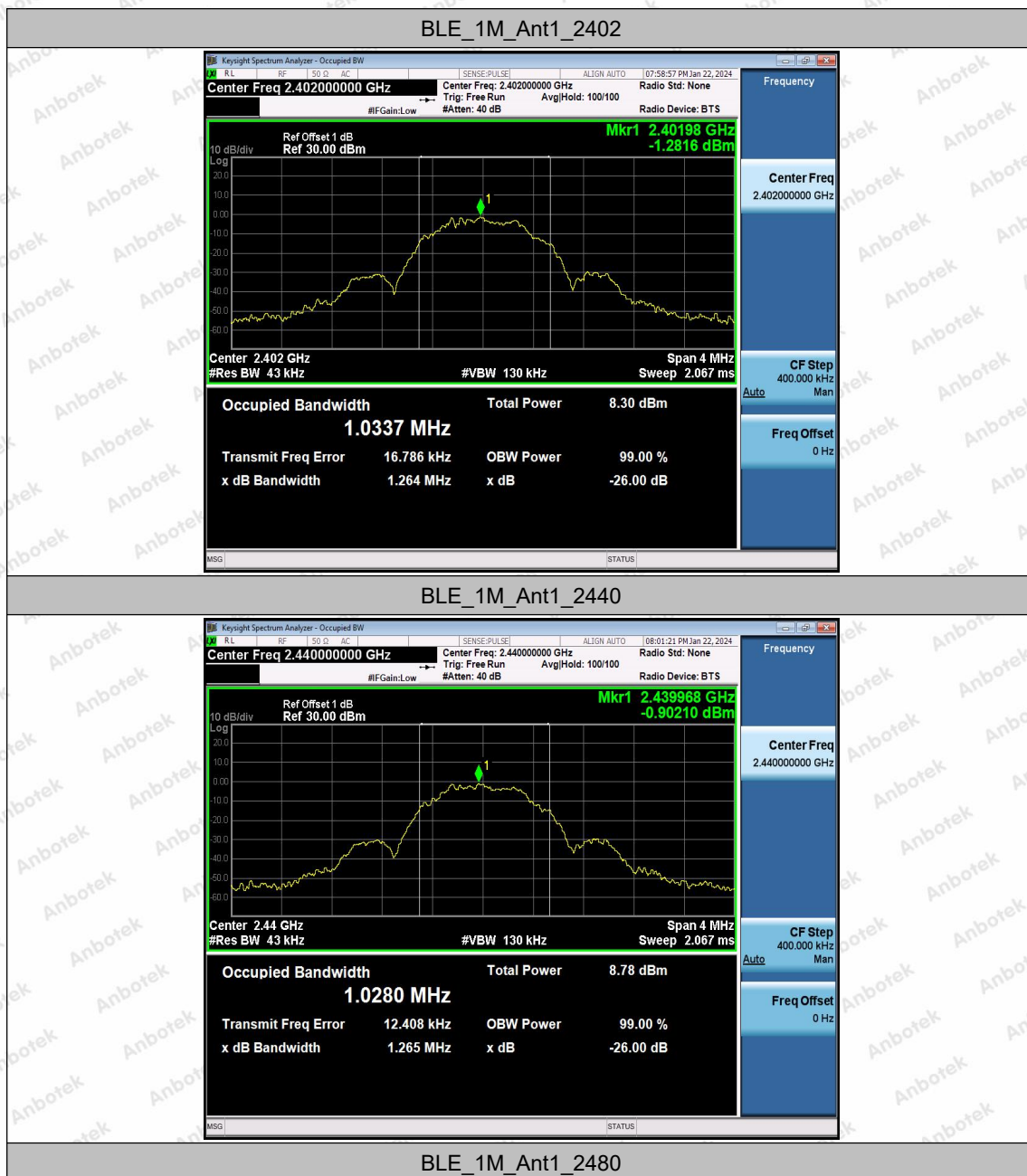


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0337	2401.4999	2402.5336
		2440	1.0280	2439.4984	2440.5264
		2480	1.0329	2479.4979	2480.5308

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	2.13	≤30	PASS
		2440	2.45	≤30	PASS
		2480	1.68	≤30	PASS

Test Graphs Peak



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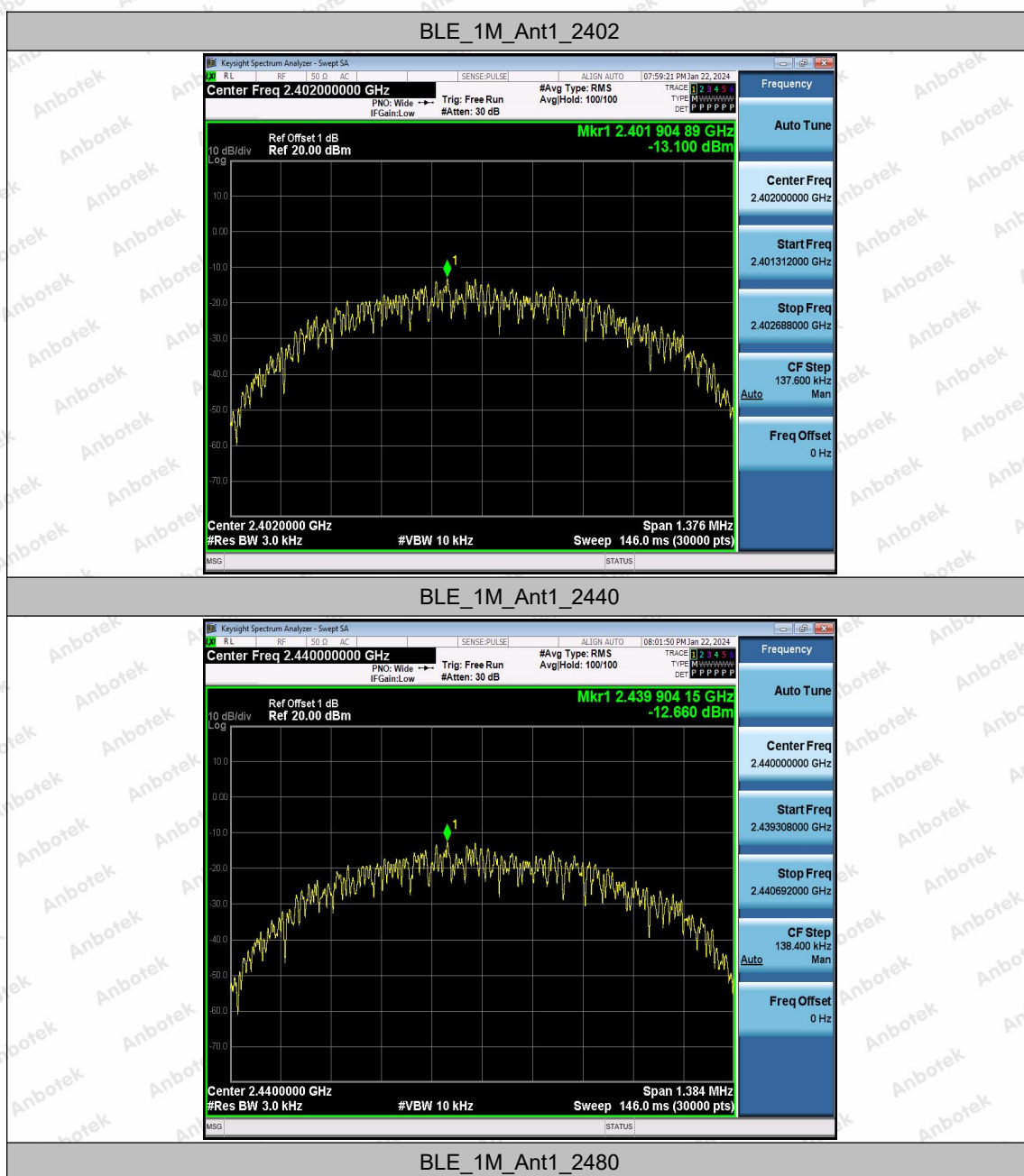


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.10	≤8.00	PASS
		2440	-12.66	≤8.00	PASS
		2480	-13.47	≤8.00	PASS

Test Graphs



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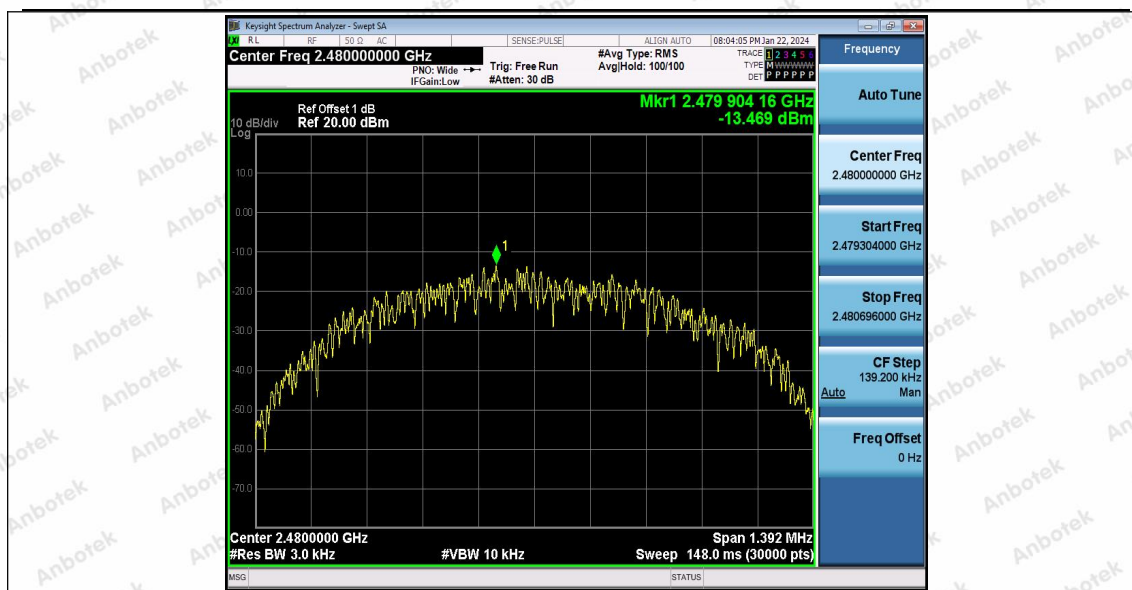


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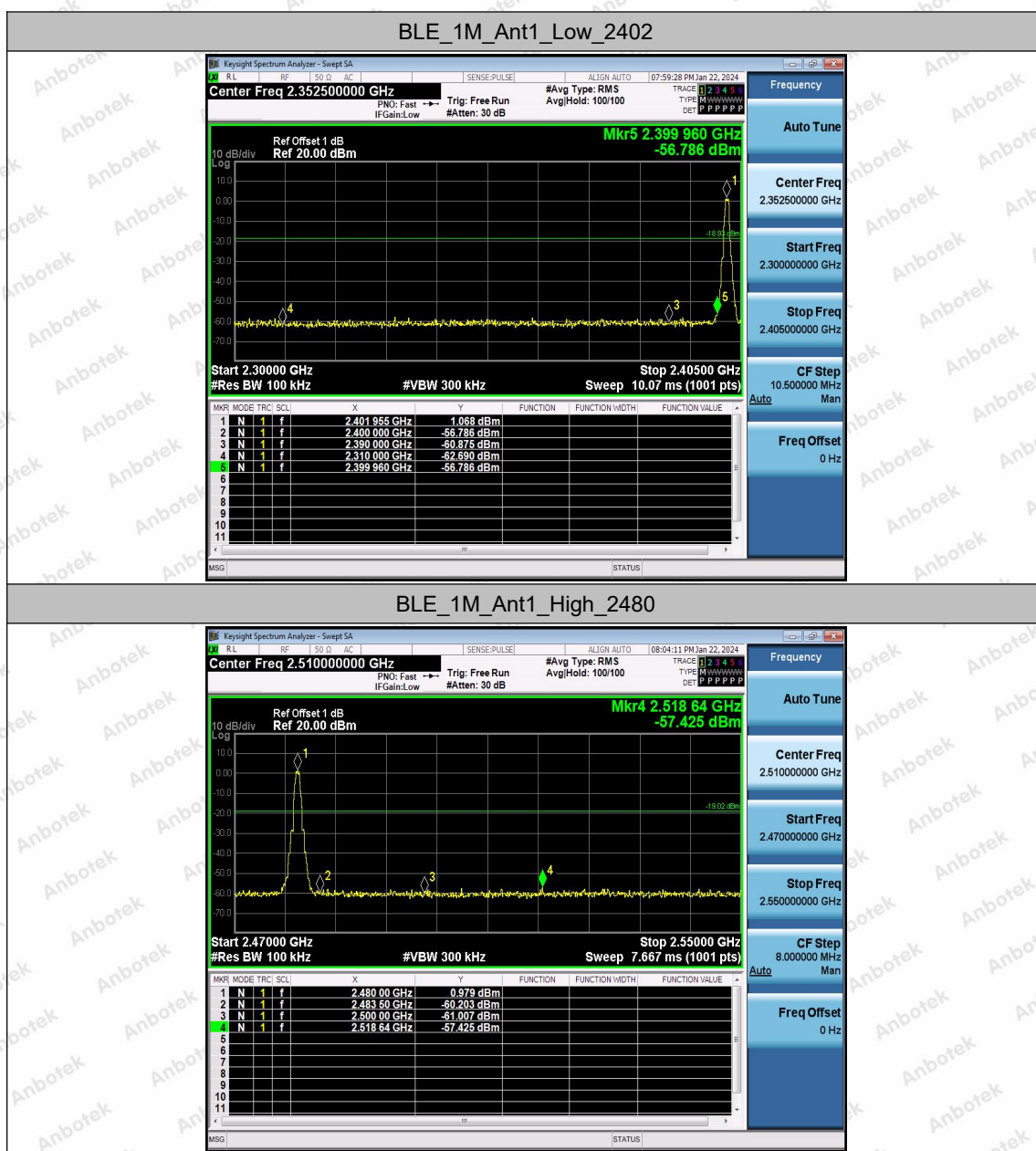


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.07	-56.79	≤-18.93	PASS
		High	2480	0.98	-57.43	≤-19.02	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	0.48	0.48	---	PASS
			30~1000	0.48	-68.35	≤-19.52	PASS
			1000~26500	0.48	-53.17	≤-19.52	PASS
		2440	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-68.86	≤-18.86	PASS
			1000~26500	1.14	-52.12	≤-18.86	PASS
		2480	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-69.03	≤-19.45	PASS
			1000~26500	0.55	-53.69	≤-19.45	PASS
			Reference				
			30~1000				
			1000~26500				



Test Graphs



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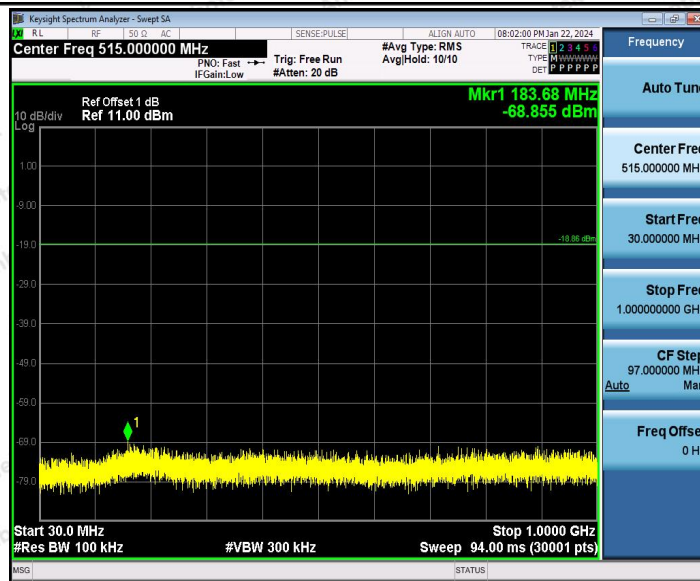


BLE_1M_Ant1_2440_0~Reference

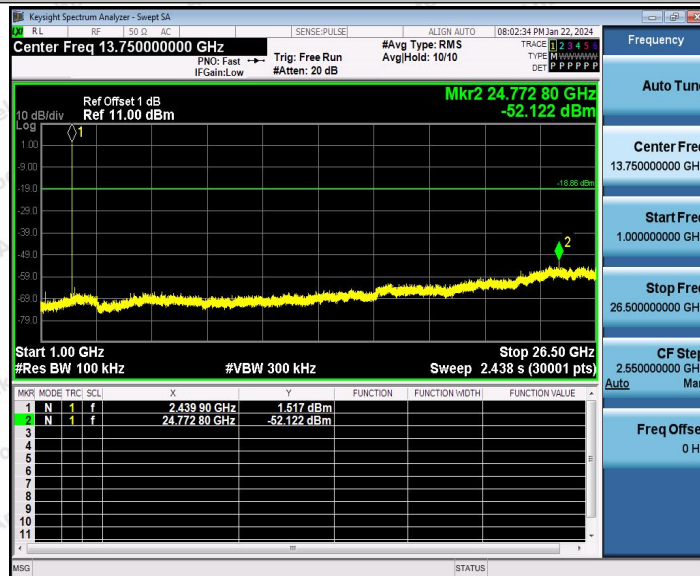


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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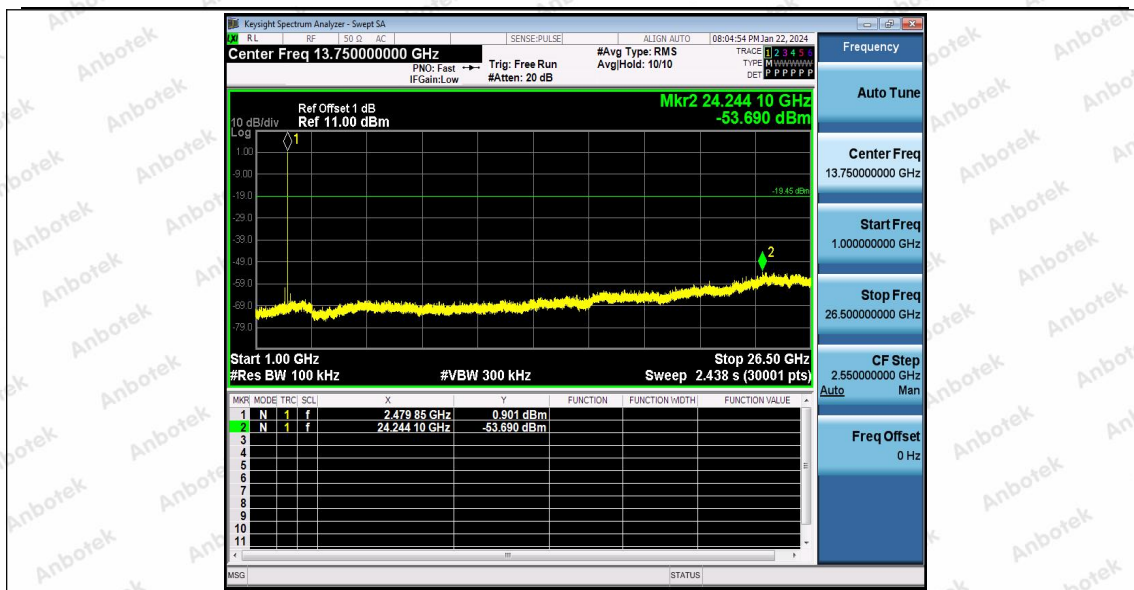
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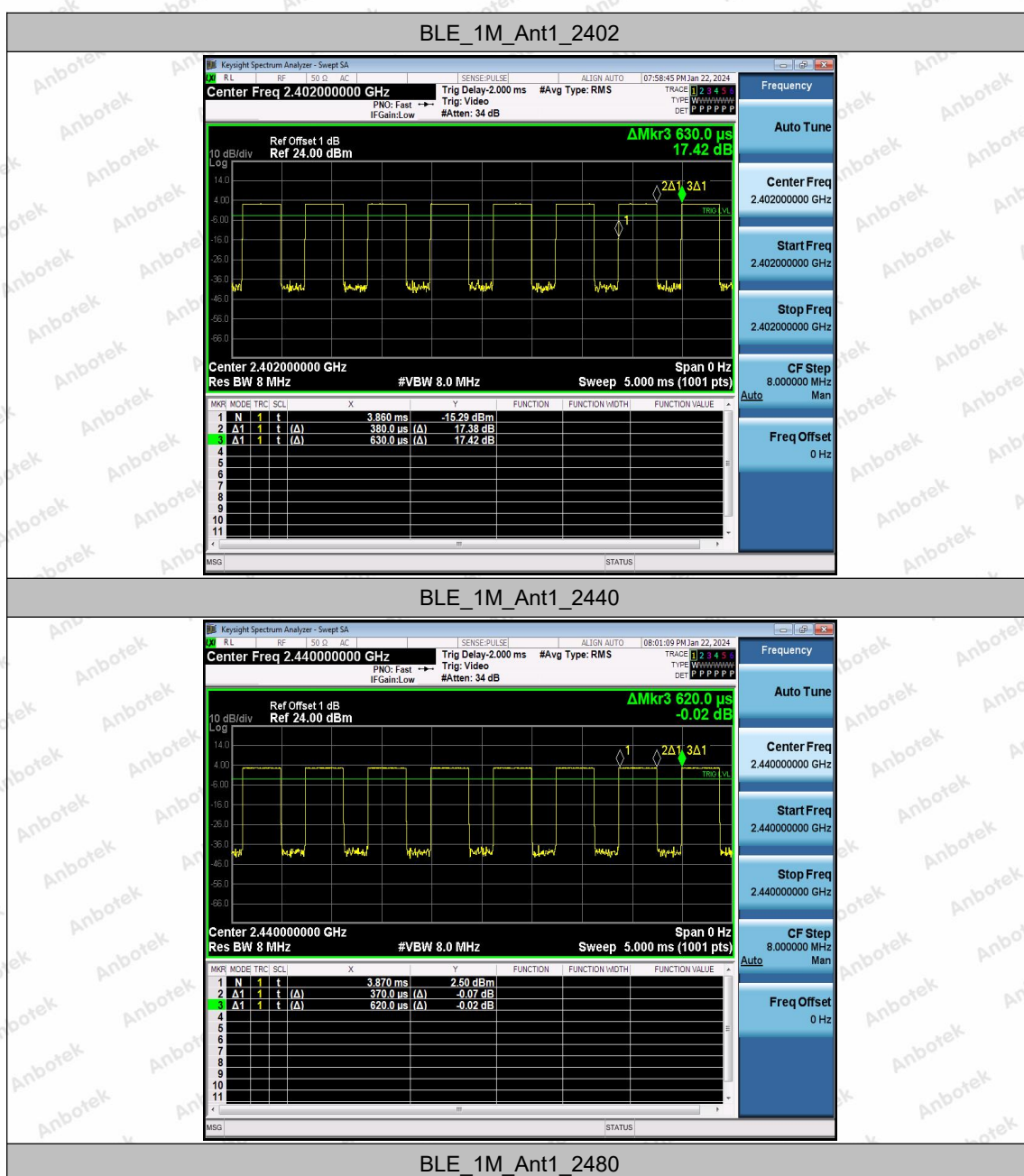


Appendix G: Duty Cycle

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	0.37	0.62	59.68	2.24
		2480	0.38	0.62	61.29	2.13

Test Graphs



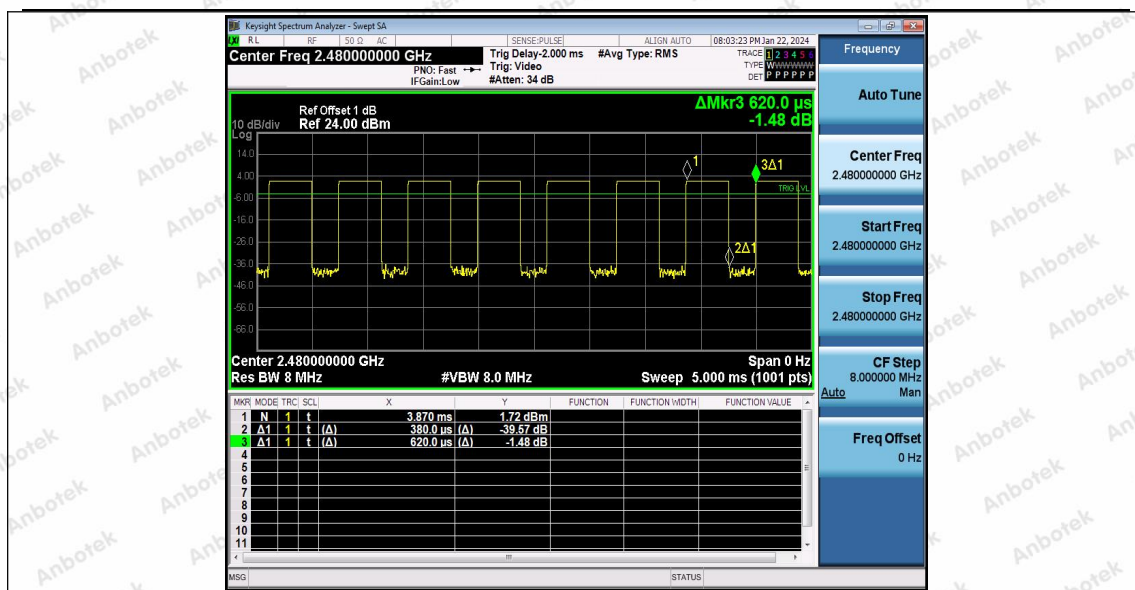
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