

Appendix Test Data

Report No.:	18220WC30267501	Test Sample No.:	1-2-2
Start Test Date:	2023.12.20	Finish Test Date:	2023.12.21
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	44%
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	0.672	2401.664	2402.336	0.5	PASS
		2440	0.688	2439.644	2440.332	0.5	PASS
		2480	0.708	2479.636	2480.344	0.5	PASS

Test Graphs



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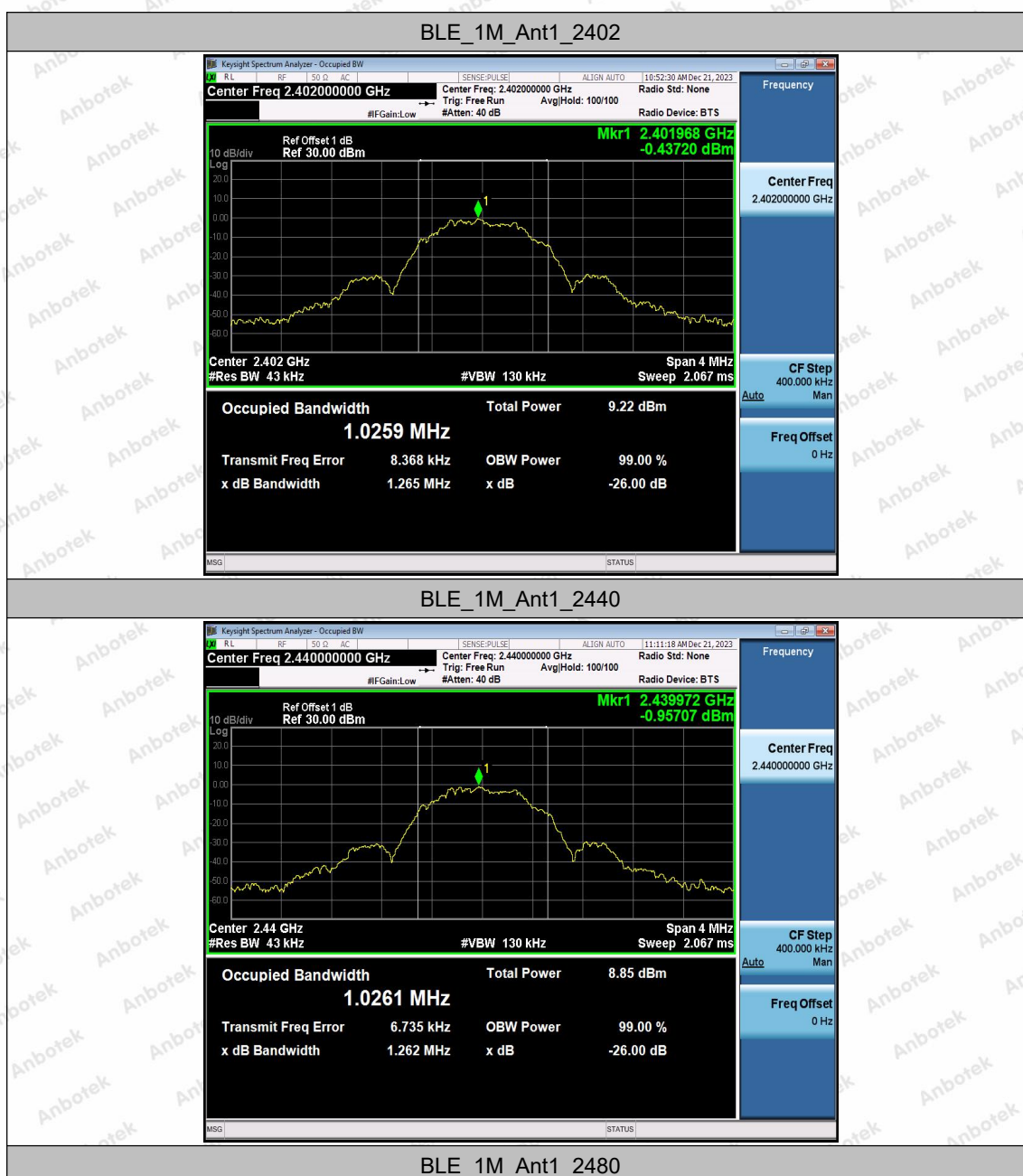


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0259	2401.4954	2402.5213
		2440	1.0261	2439.4937	2440.5198
		2480	1.0241	2479.4927	2480.5168

Test Graphs



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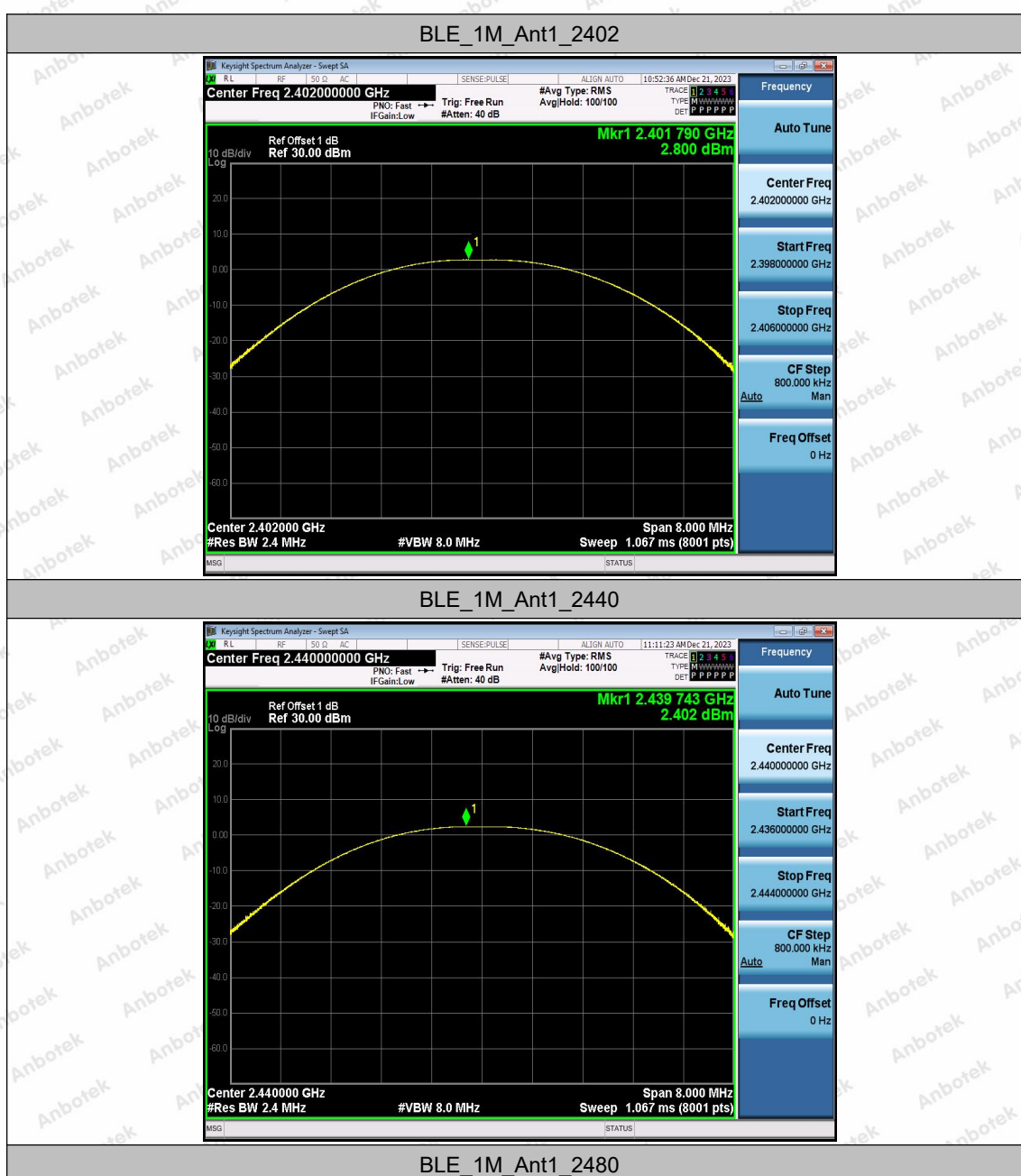


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.8	≤30	PASS
		2440	2.4	≤30	PASS
		2480	1.66	≤30	PASS

Test Graphs Peak



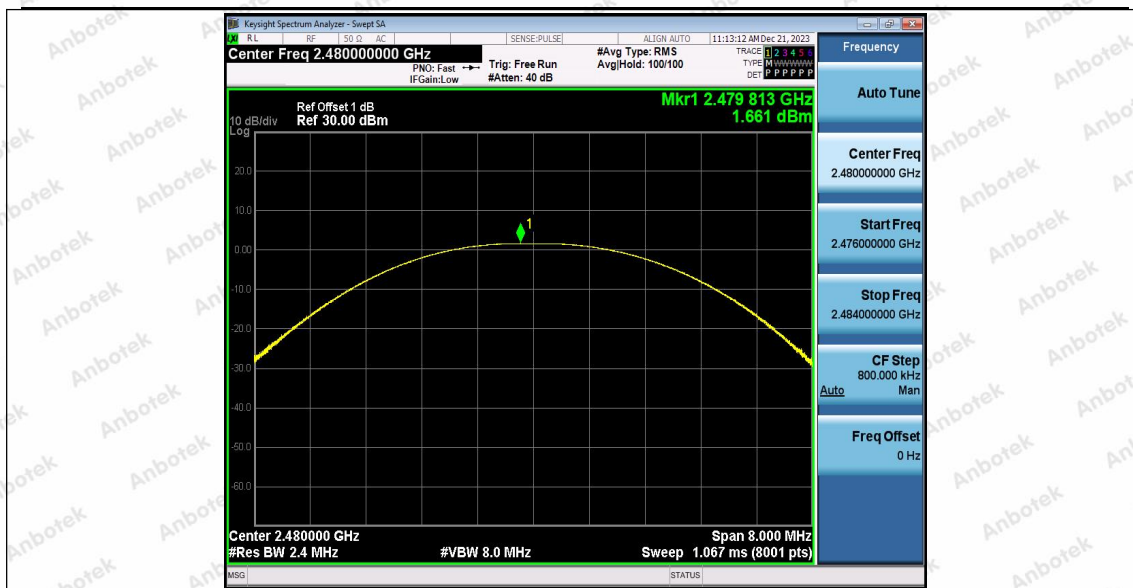
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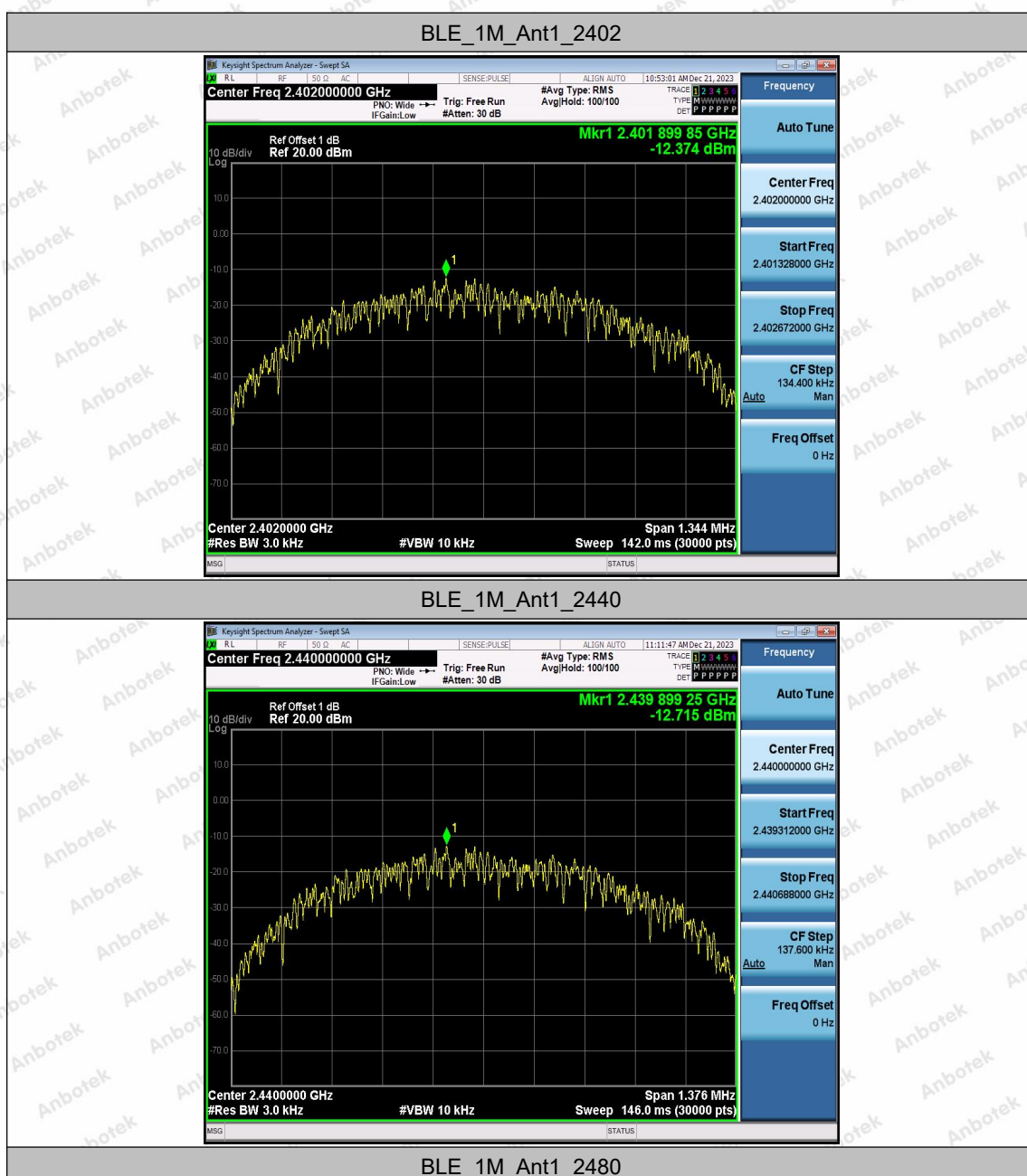


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.37	≤8.00	PASS
		2440	-12.72	≤8.00	PASS
		2480	-13.42	≤8.00	PASS

Test Graphs



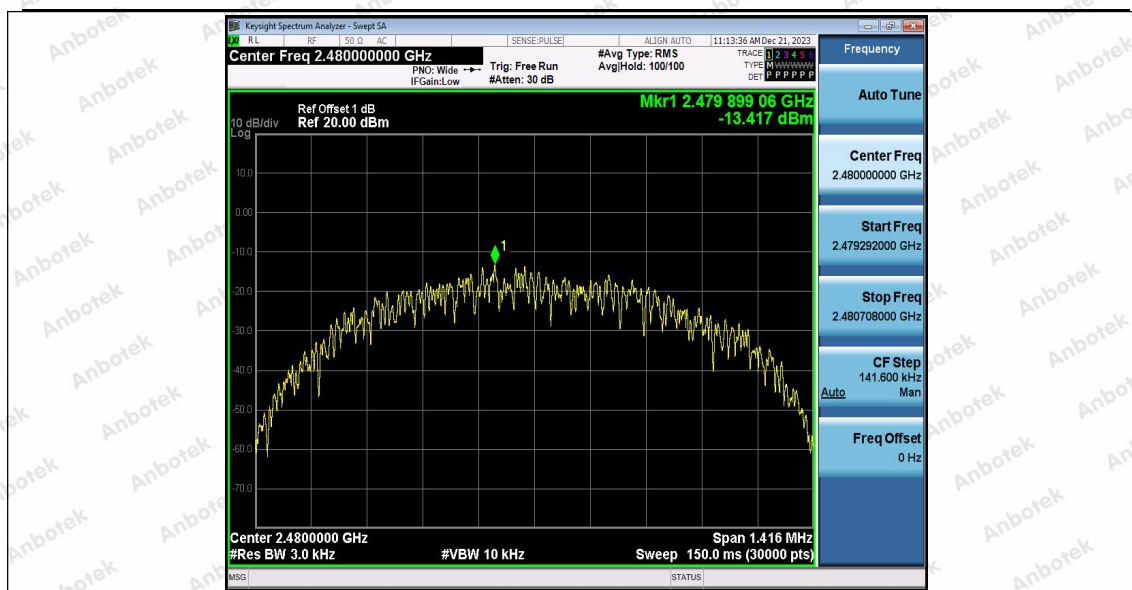
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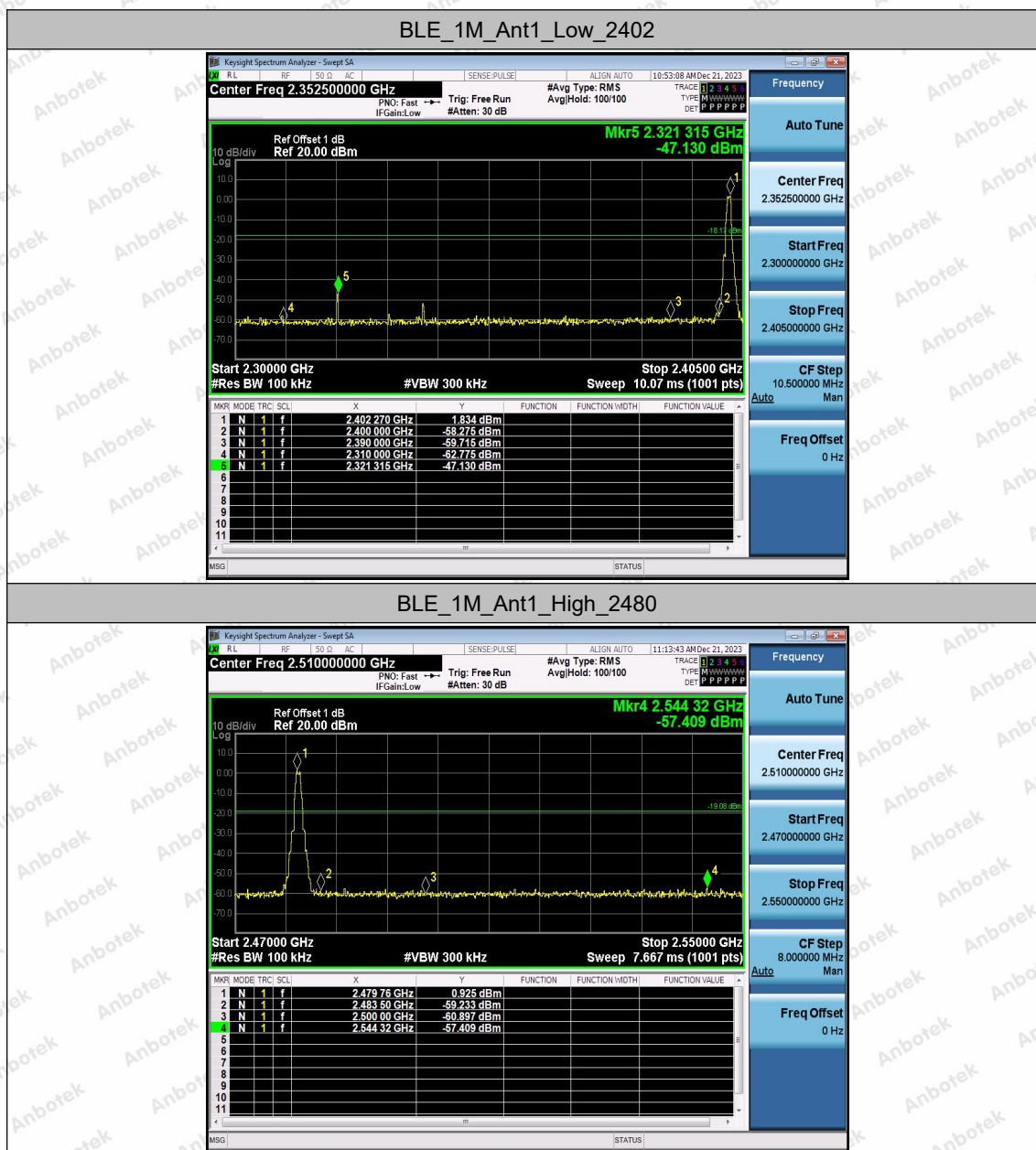


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.83	-47.13	≤-18.17	PASS
		High	2480	0.93	-57.41	≤-19.08	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	1.68	1.68	---	PASS
			30~1000	1.68	-68.43	≤-18.32	PASS
			1000~26500	1.68	-54.1	≤-18.32	PASS
		2440	Reference	0.48	0.48	---	PASS
			30~1000	0.48	-69.28	≤-19.52	PASS
			1000~26500	0.48	-53.32	≤-19.52	PASS
		2480	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-69.28	≤-19.33	PASS
			1000~26500	0.67	-53.75	≤-19.33	PASS

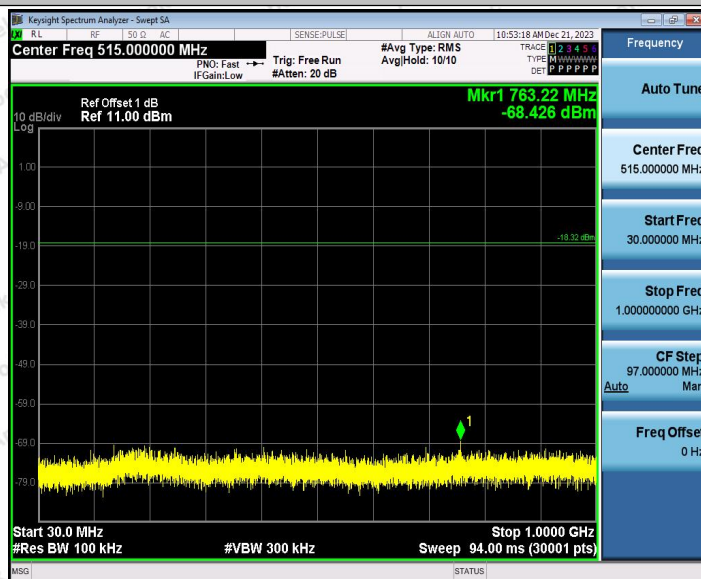


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

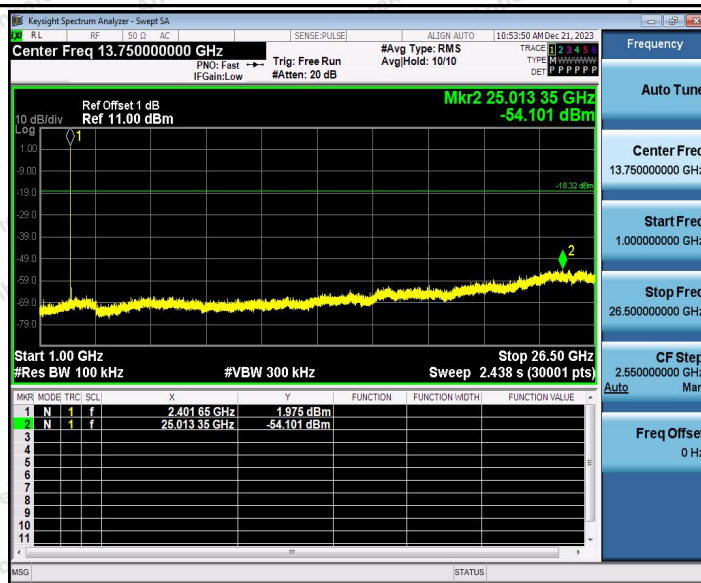
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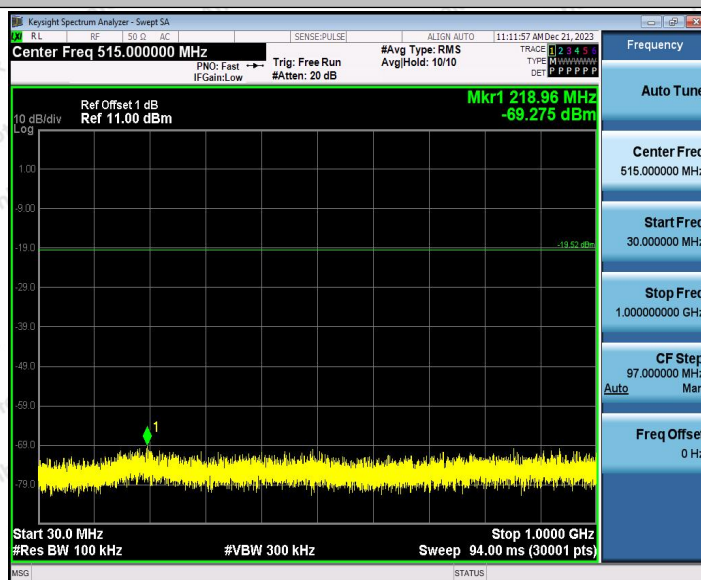




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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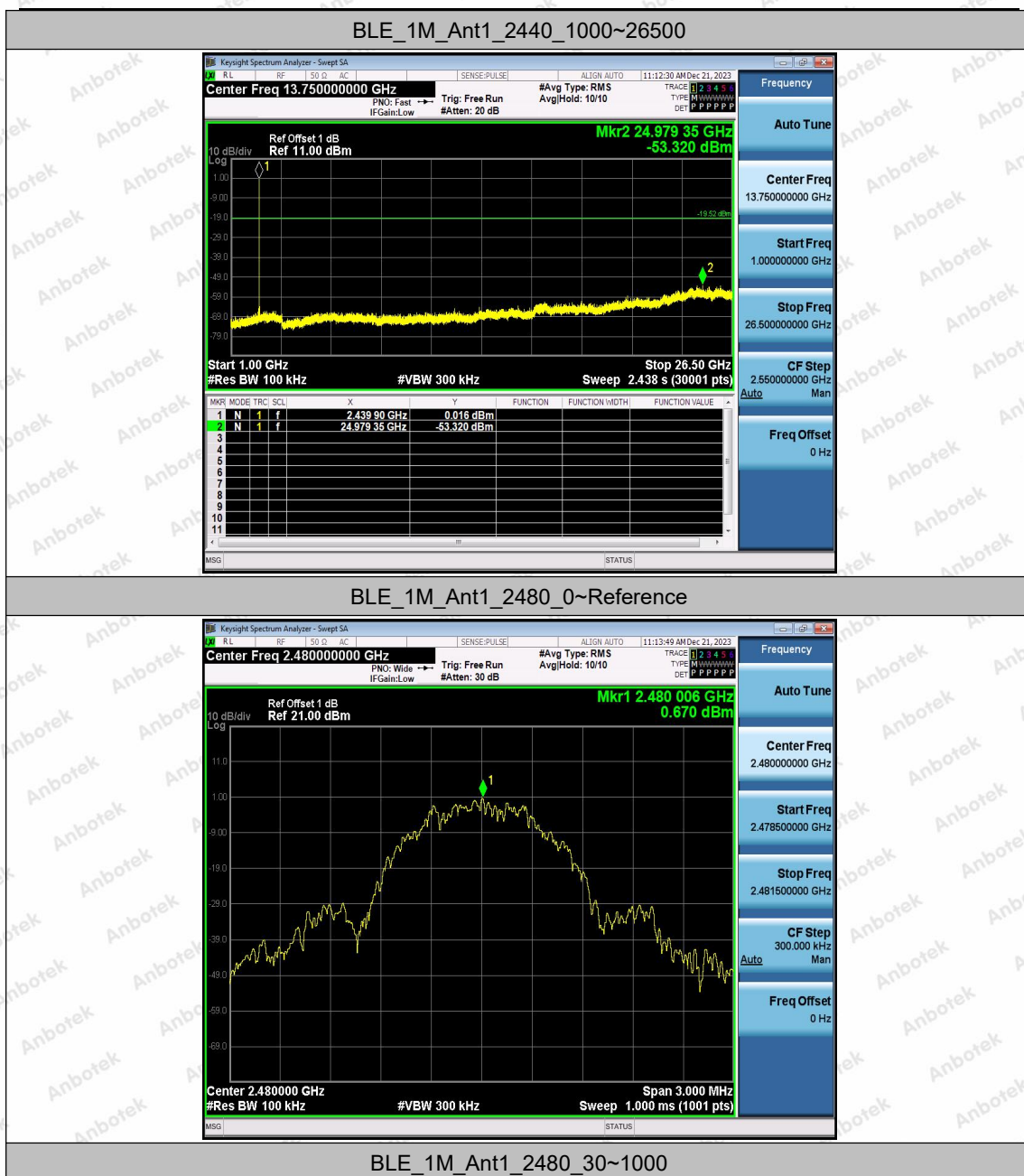


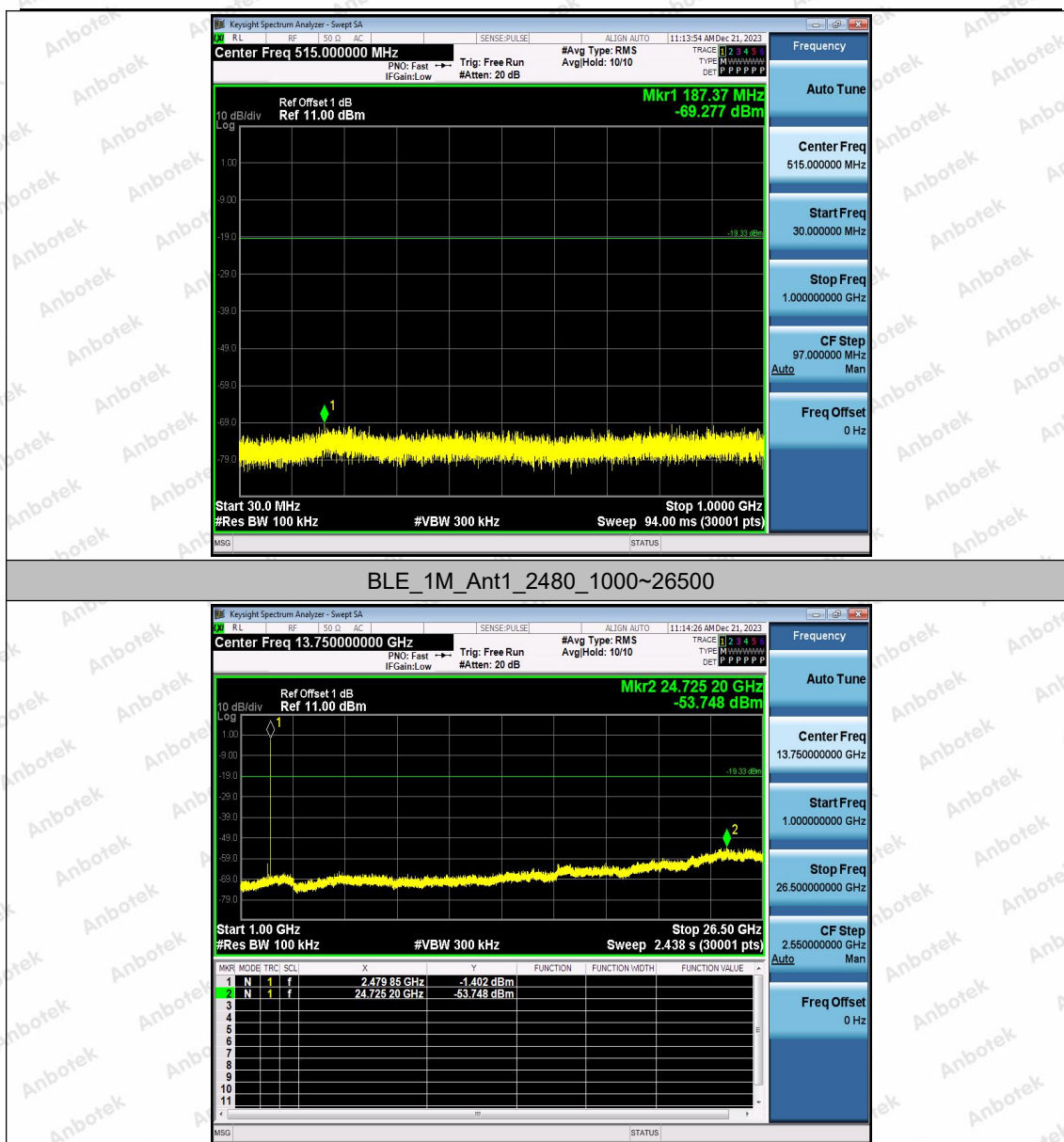
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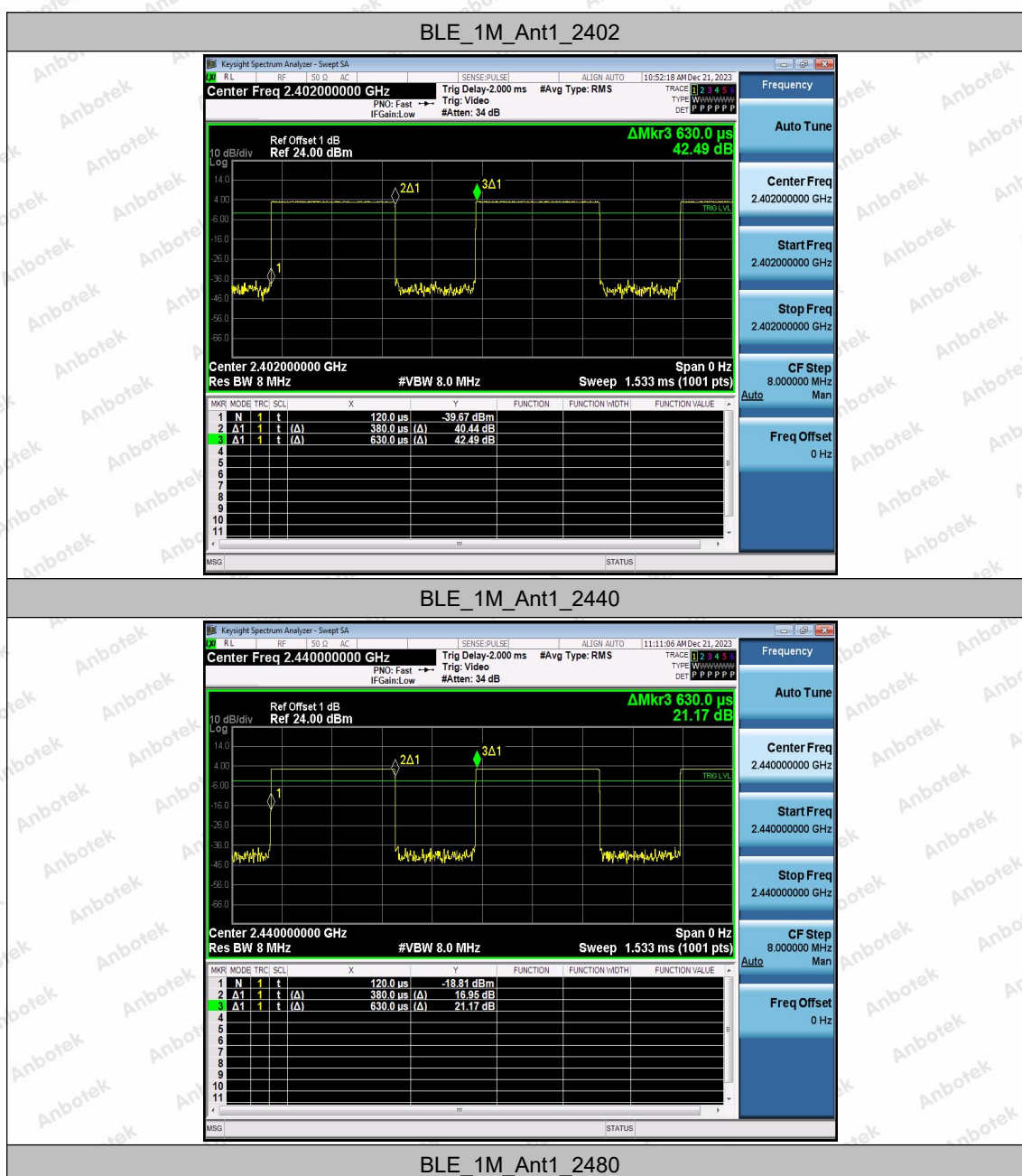


Appendix G: Duty Cycle

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



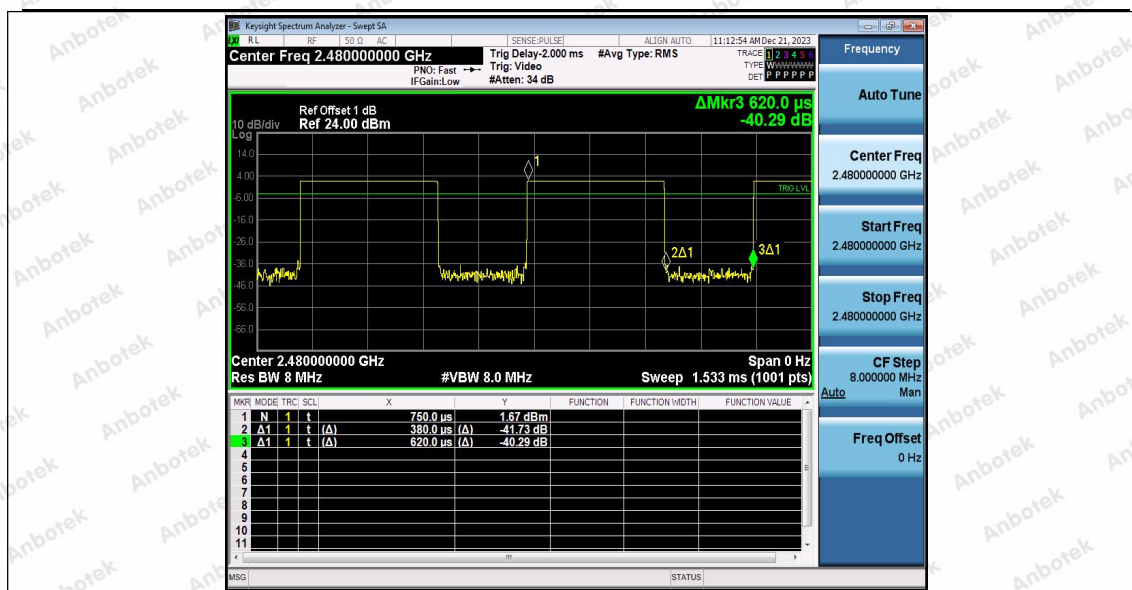
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