

Appendix Test Data

Report No.:	18220WC30245601	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.11.28
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	41%
Pressure:	101kPa		

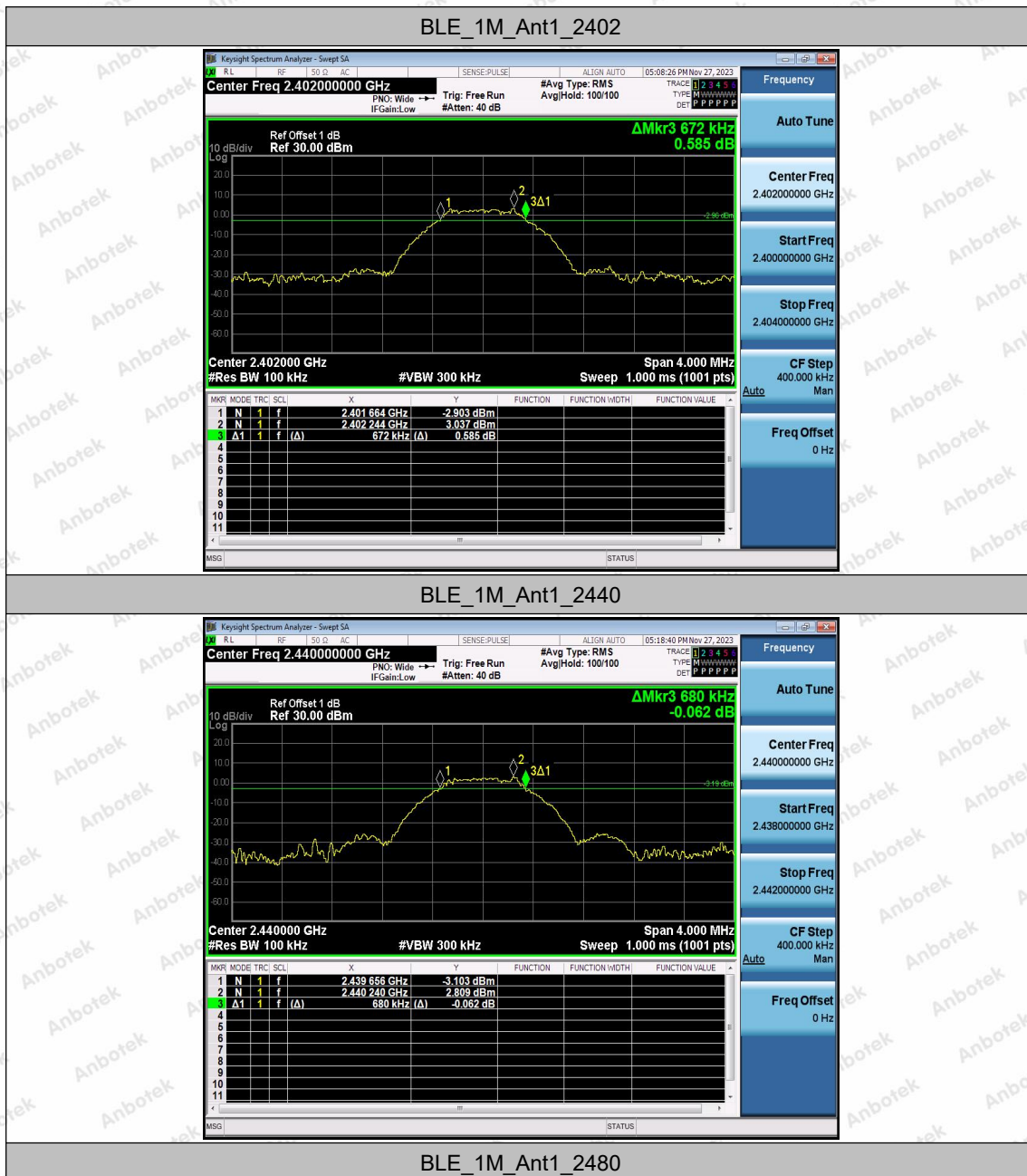
Appendix A: DTS Bandwidth

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	0.680	2439.656	2440.336	0.5	PASS
		2480	0.696	2479.652	2480.348	0.5	PASS



Test Graphs



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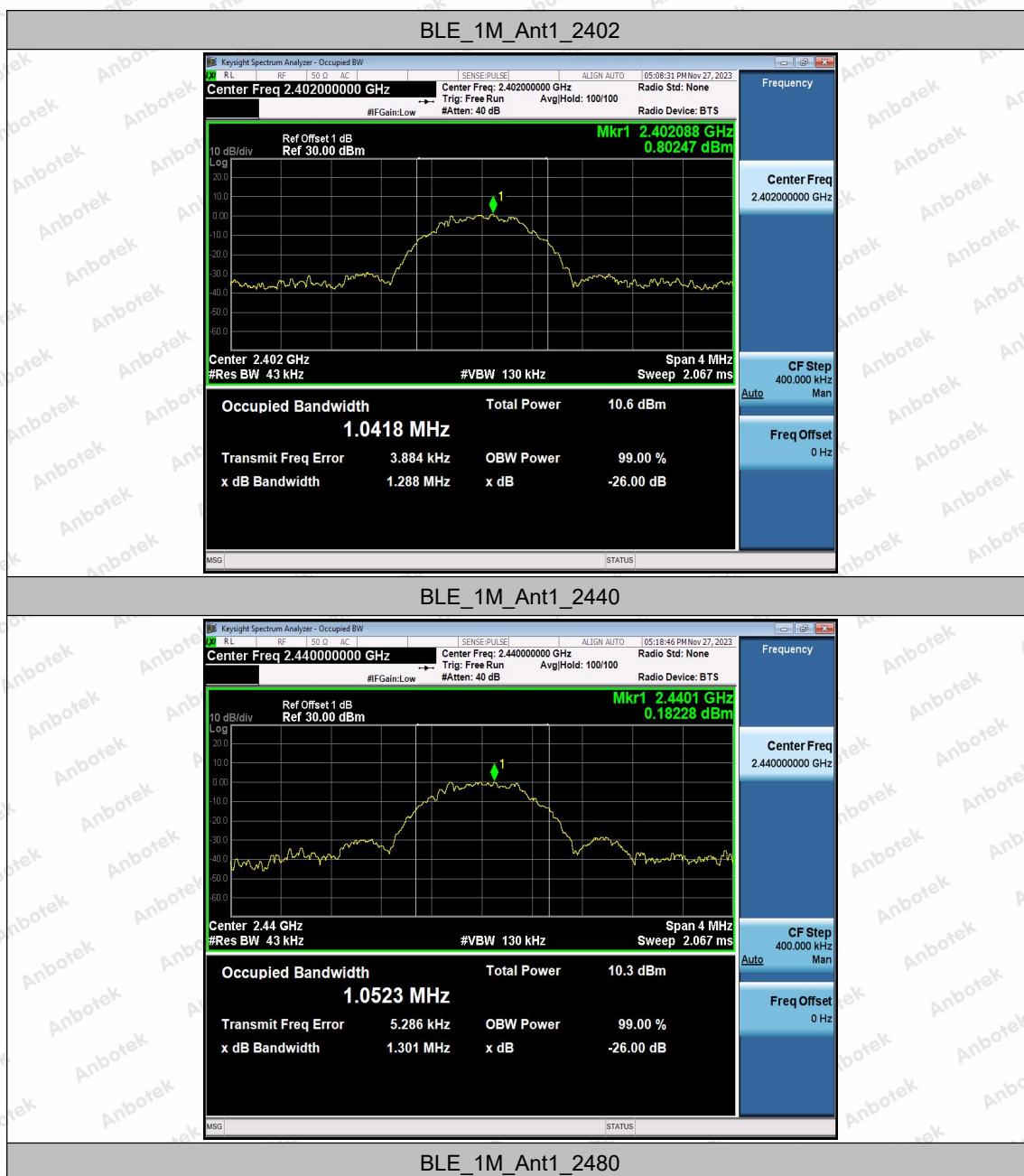
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0418	2401.4830	2402.5248
		2440	1.0523	2439.4791	2440.5314
		2480	1.0295	2479.4879	2480.5174



Test Graphs



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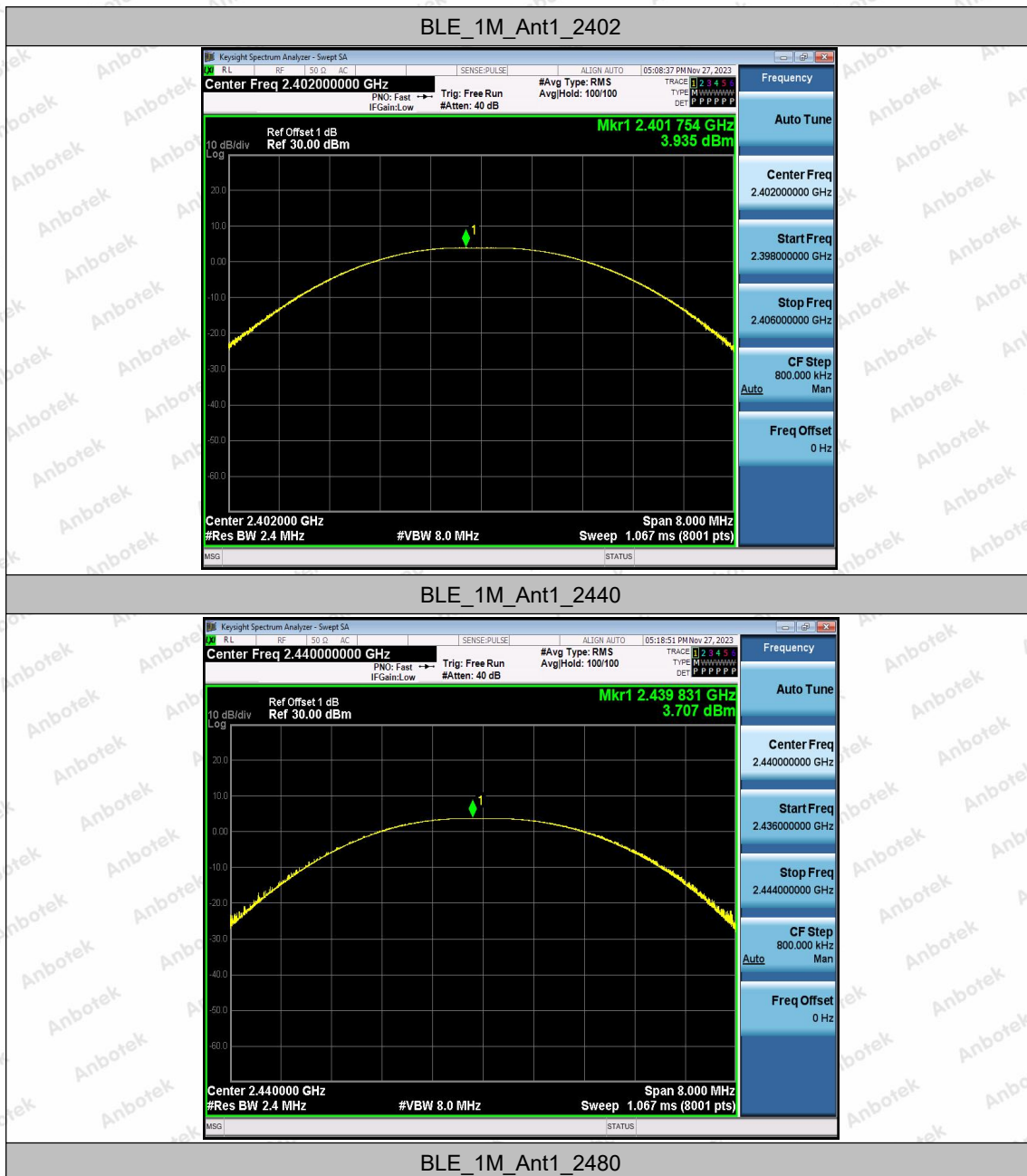
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.94	≤30	PASS
		2440	3.71	≤30	PASS
		2480	3.19	≤30	PASS



Test Graphs Peak



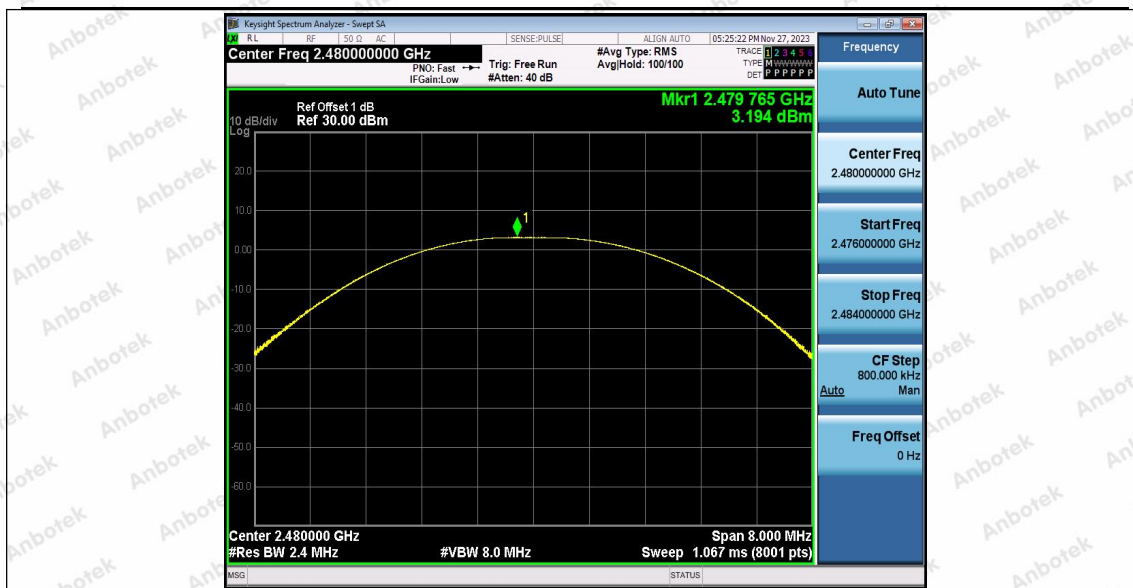
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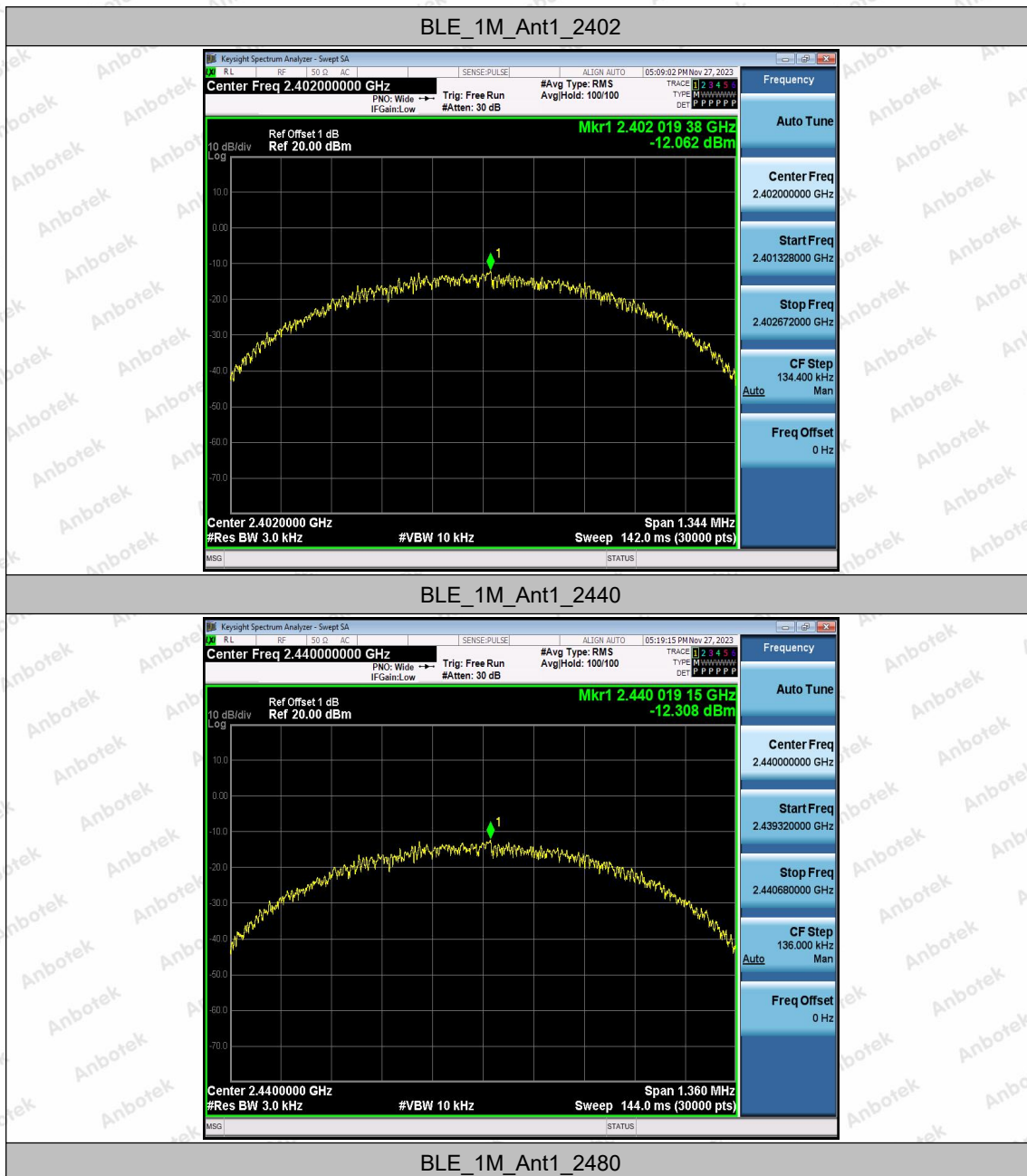
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.06	≤8.00	PASS
		2440	-12.31	≤8.00	PASS
		2480	-12.86	≤8.00	PASS



Test Graphs



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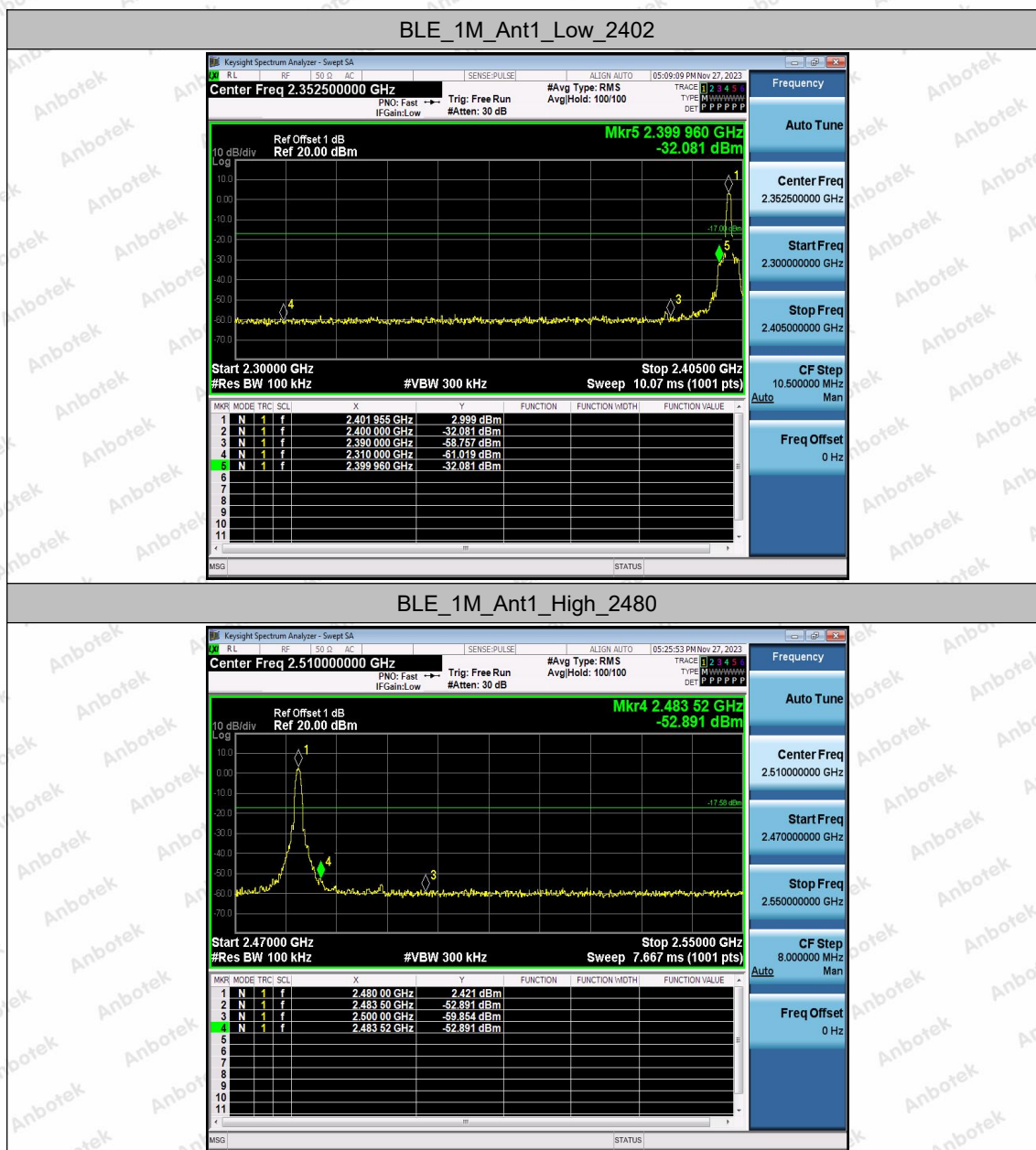


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.00	-32.08	≤-17	PASS
		High	2480	2.42	-52.89	≤-17.58	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	2.27	2.27	---	PASS
			30~1000	2.27	-68.51	≤-17.73	PASS
			1000~26500	2.27	-53.74	≤-17.73	PASS
		2440	Reference	1.81	1.81	---	PASS
			30~1000	1.81	-68.96	≤-18.19	PASS
			1000~26500	1.81	-53.66	≤-18.19	PASS
		2480	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-68.57	≤-17.71	PASS
			1000~26500	2.29	-53.91	≤-17.71	PASS

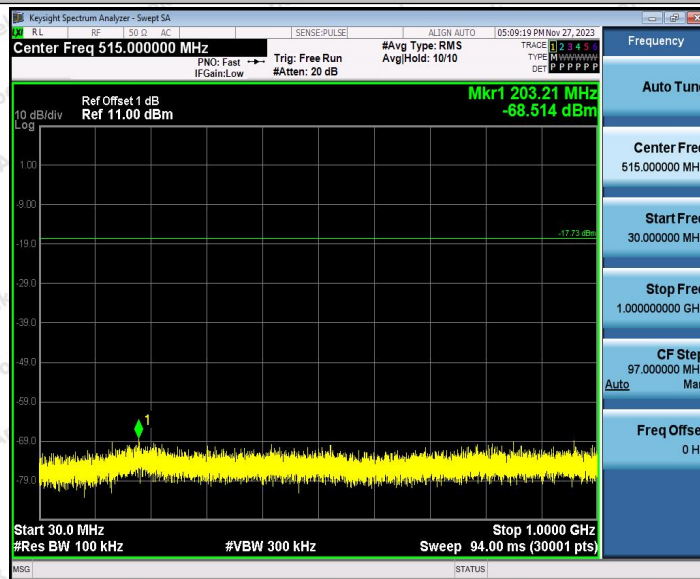


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

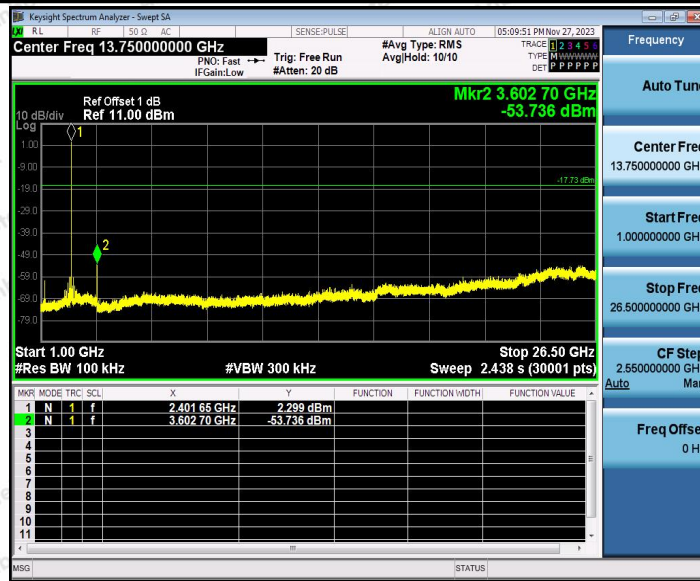
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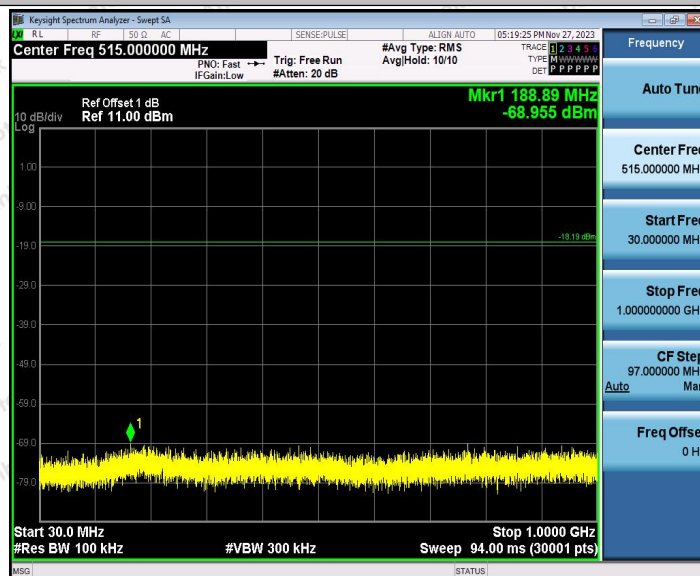




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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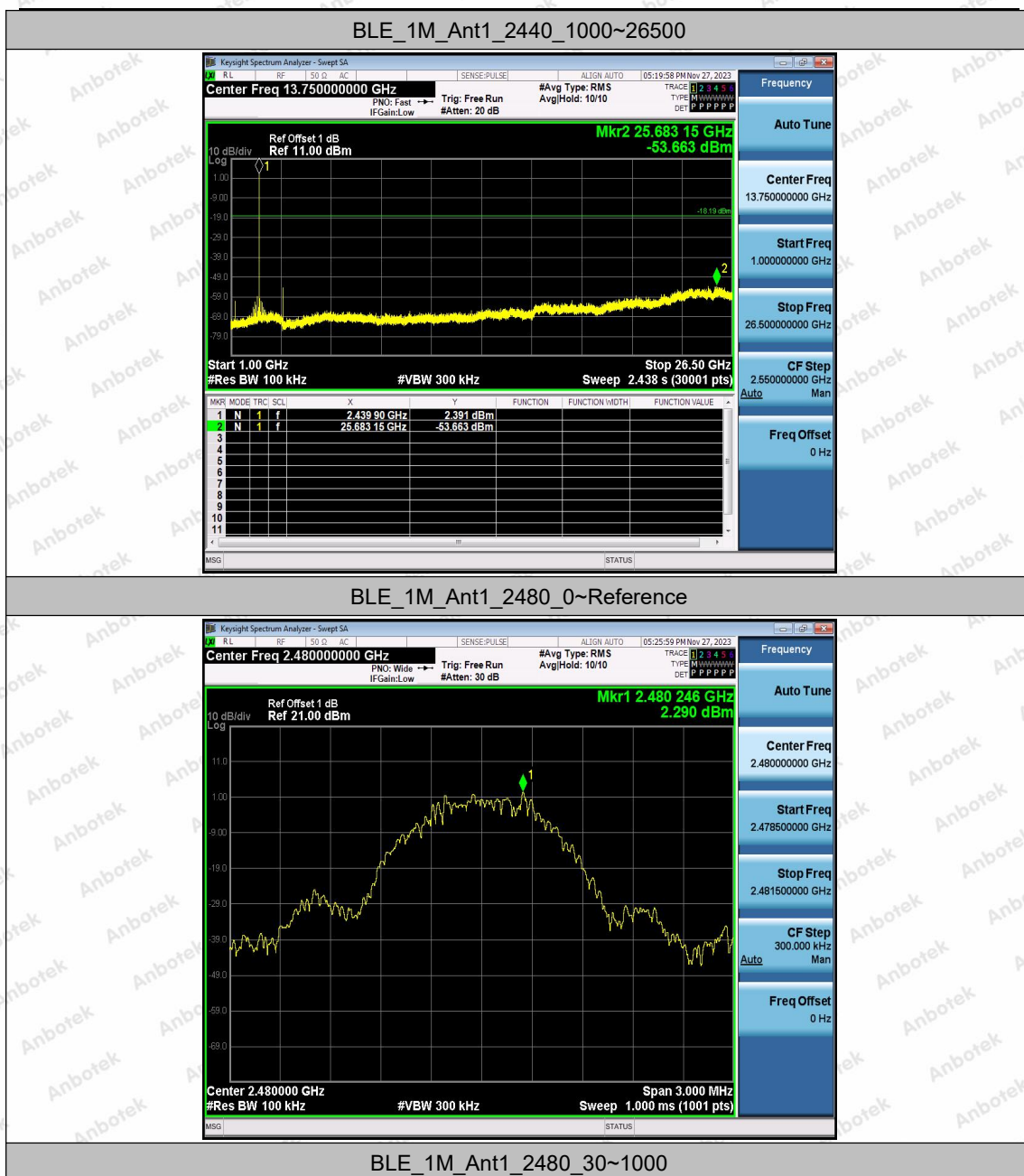


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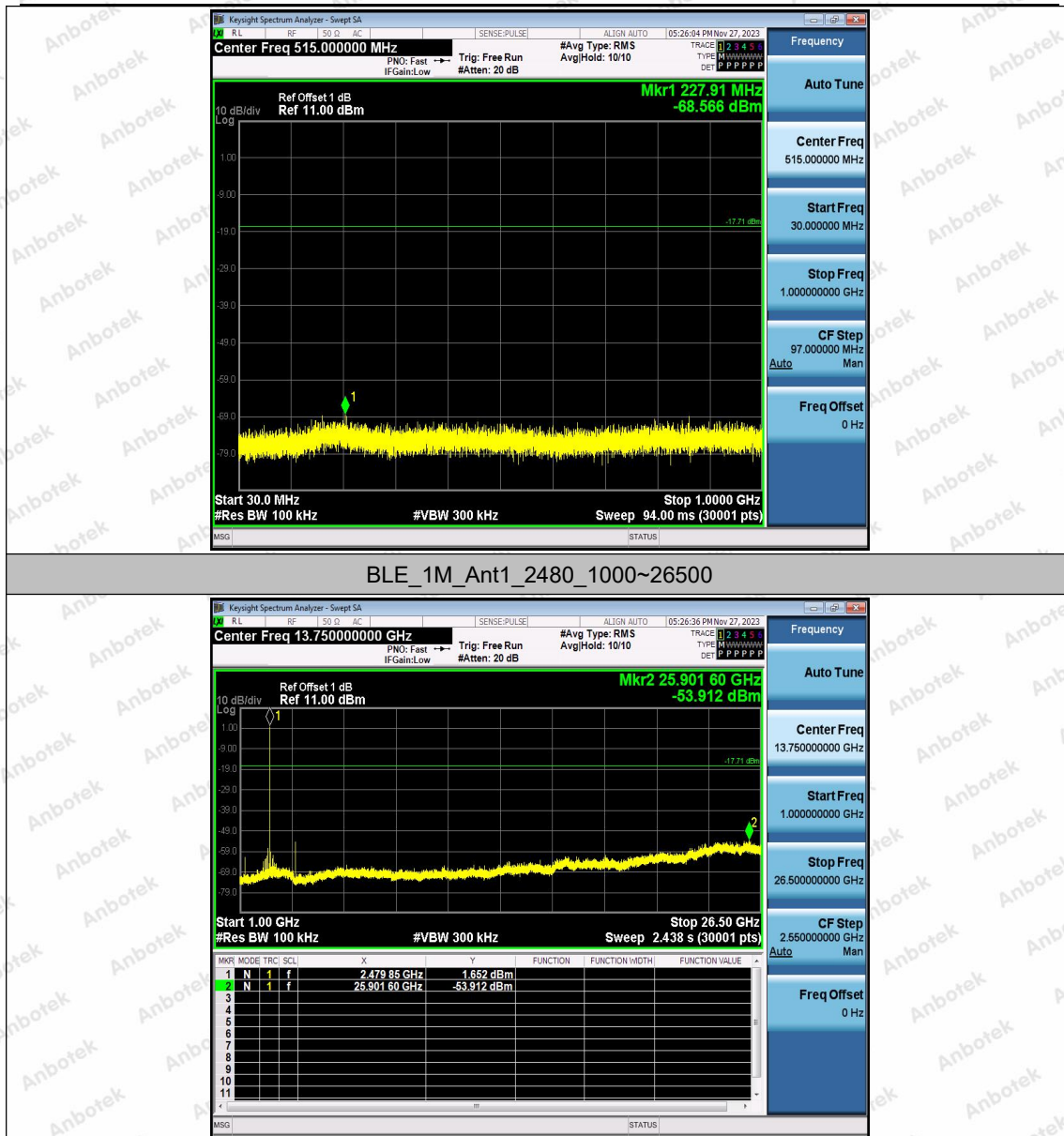
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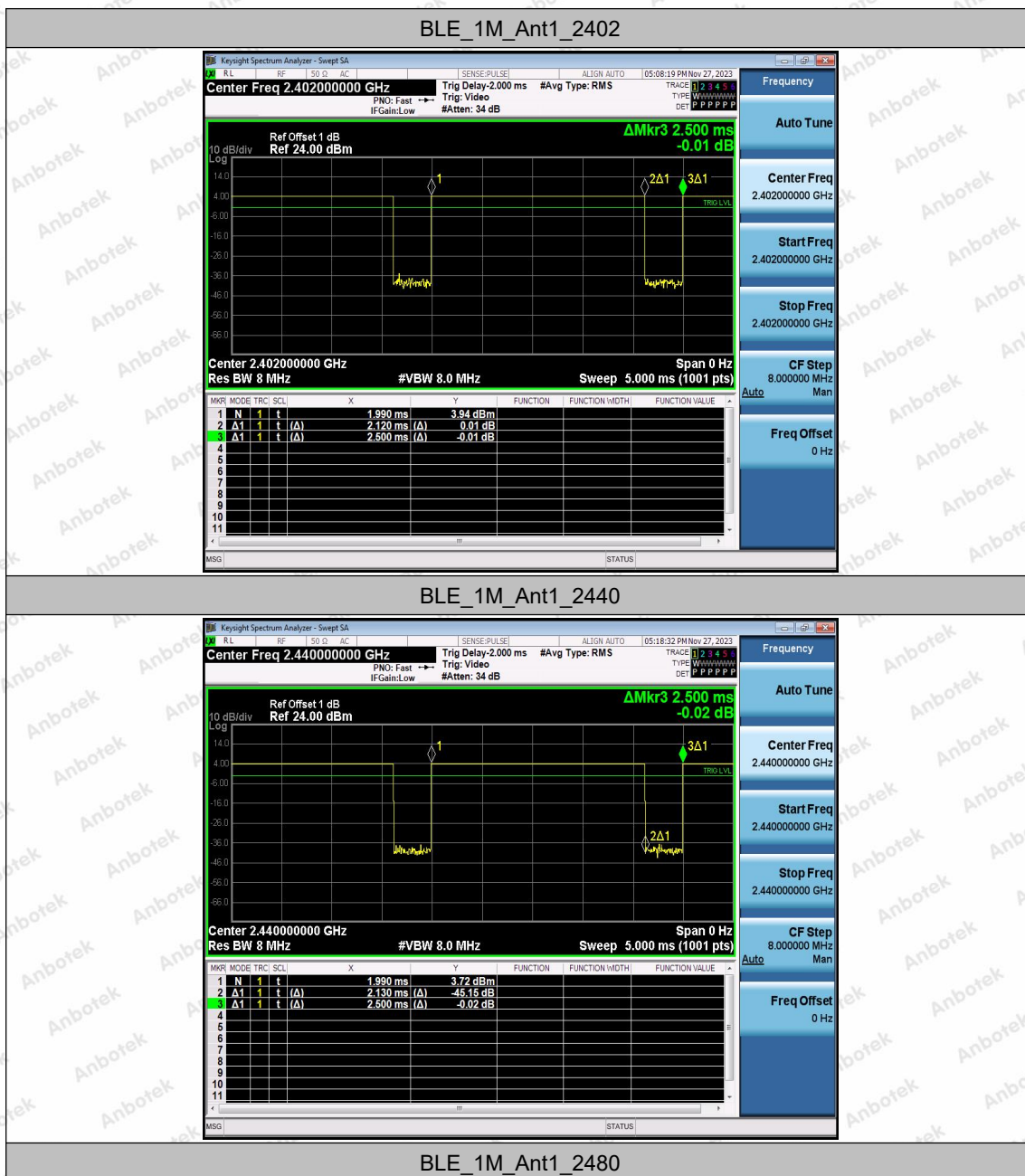
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
		2440	2.13	2.50	85.20	0.70
		2480	2.12	2.50	84.80	0.72



Test Graphs



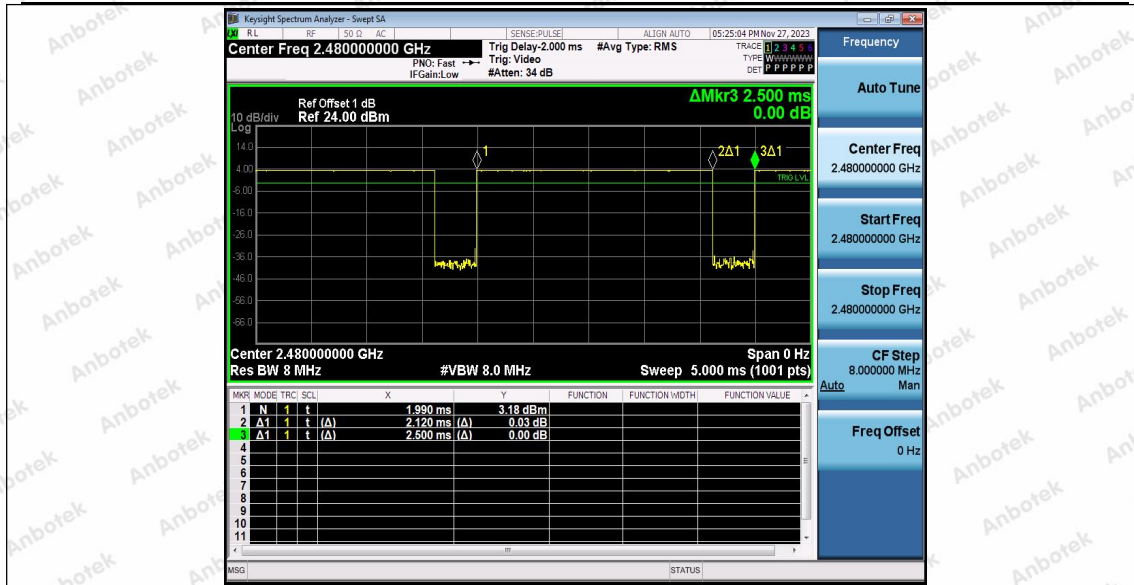
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