

Appendix Test Data

Report No.:	18220WC30005301	Test Sample No.:	1-2-2
Start Test Date:	2023.1.12	Finish Test Date:	2023.1.13
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.652	2402.344	0.5	PASS
		2440	0.708	2439.644	2440.352	0.5	PASS
		2480	0.668	2479.668	2480.336	0.5	PASS



Test Graphs



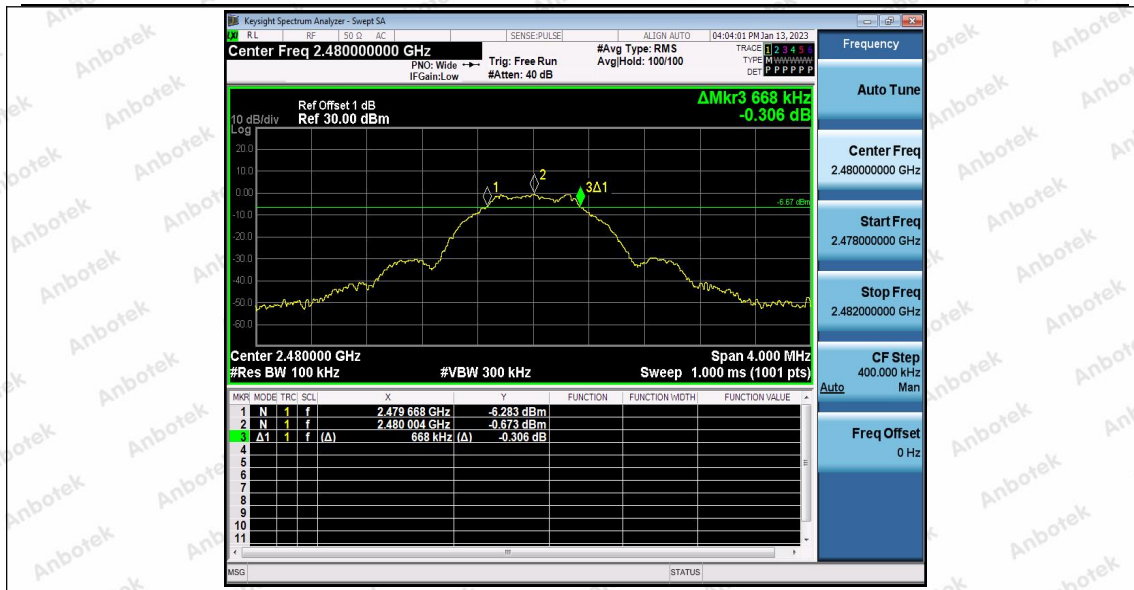
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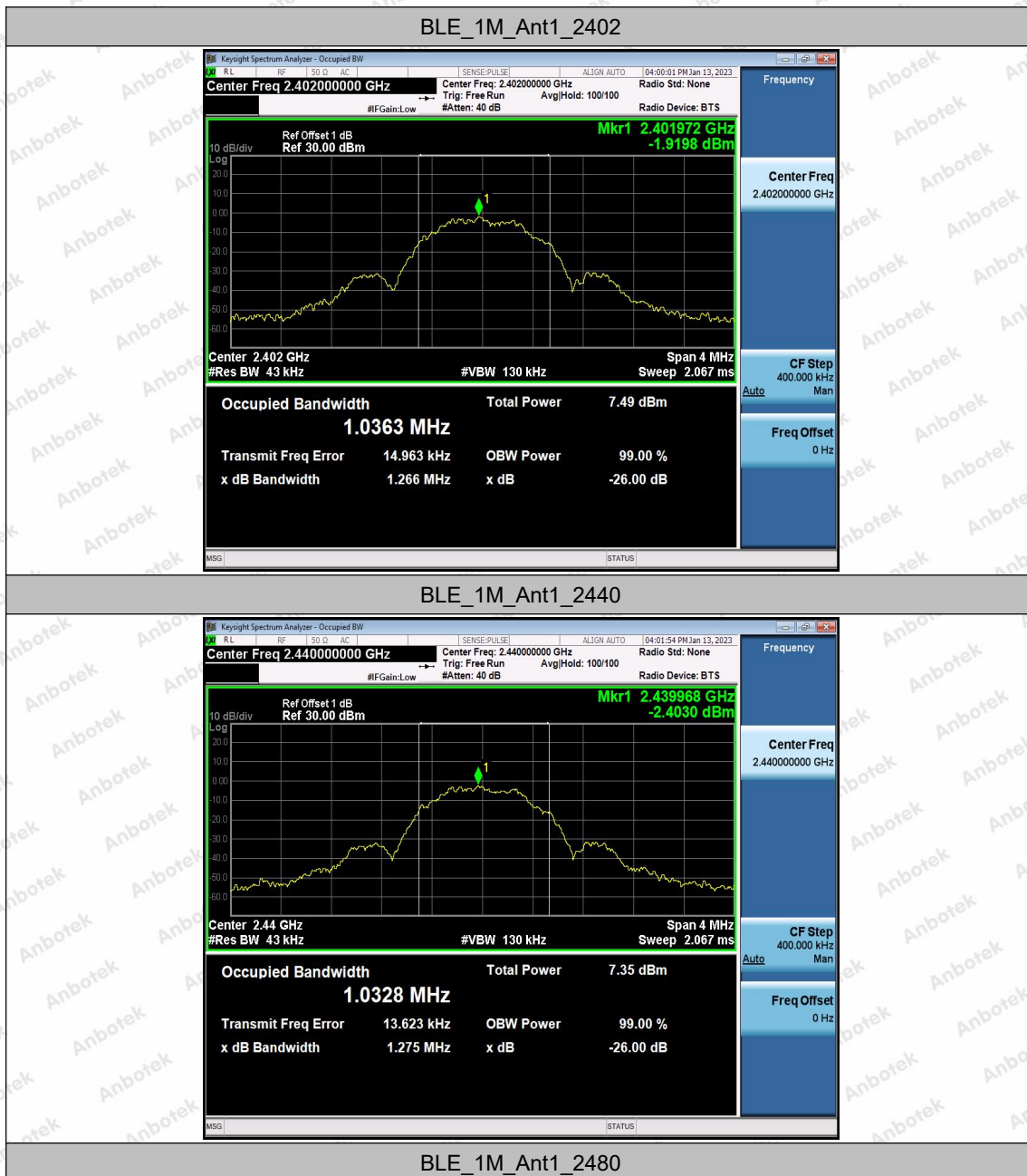
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0363	2401.4968	2402.5331
		2440	1.0328	2439.4972	2440.5300
		2480	1.0236	2479.4971	2480.5207



Test Graphs



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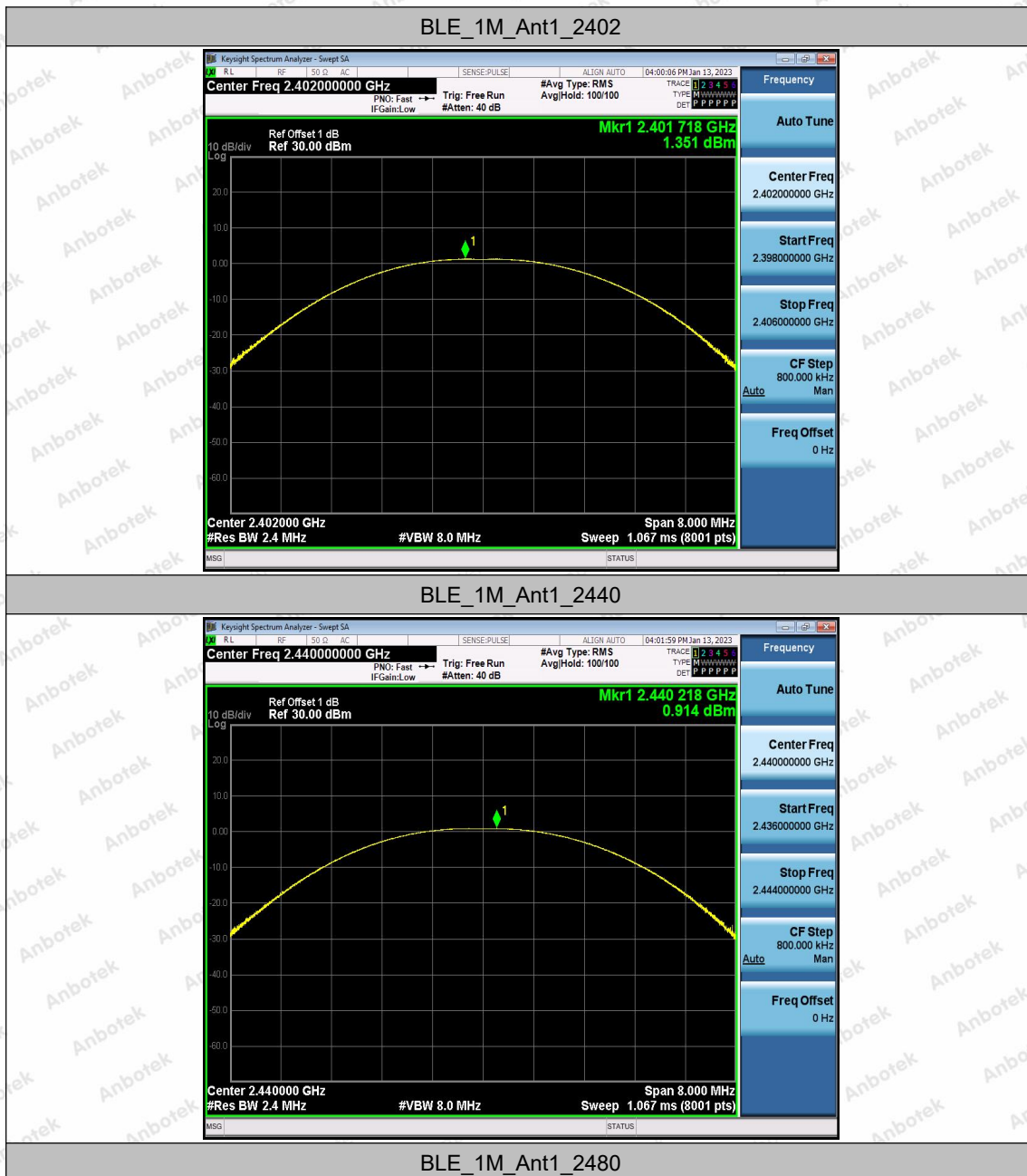
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.35	≤30	PASS
		2440	0.91	≤30	PASS
		2480	0.30	≤30	PASS



Test Graphs Peak



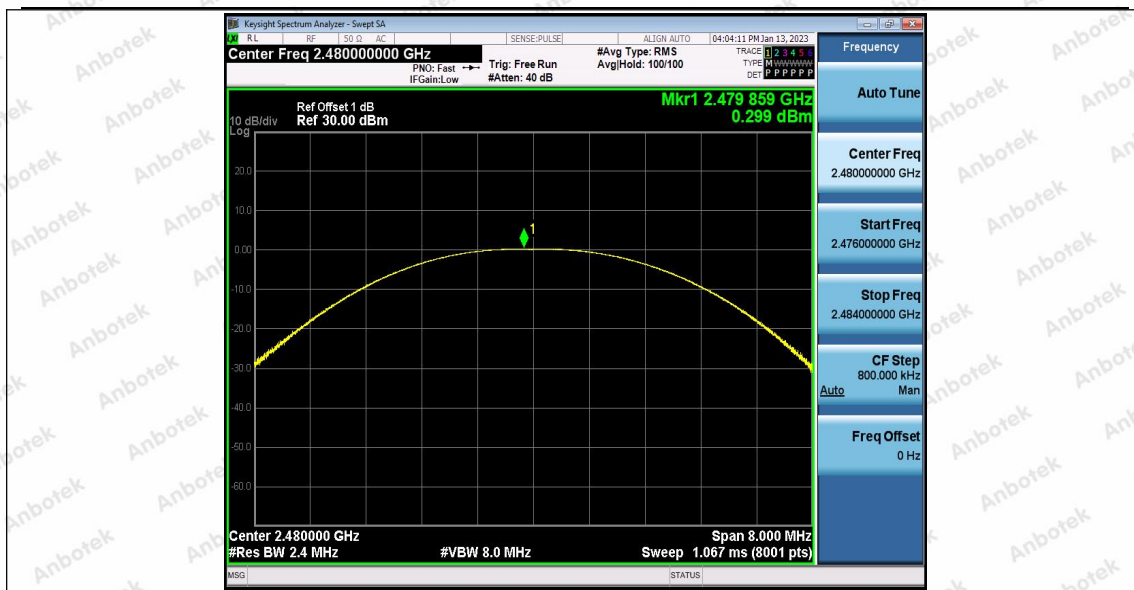
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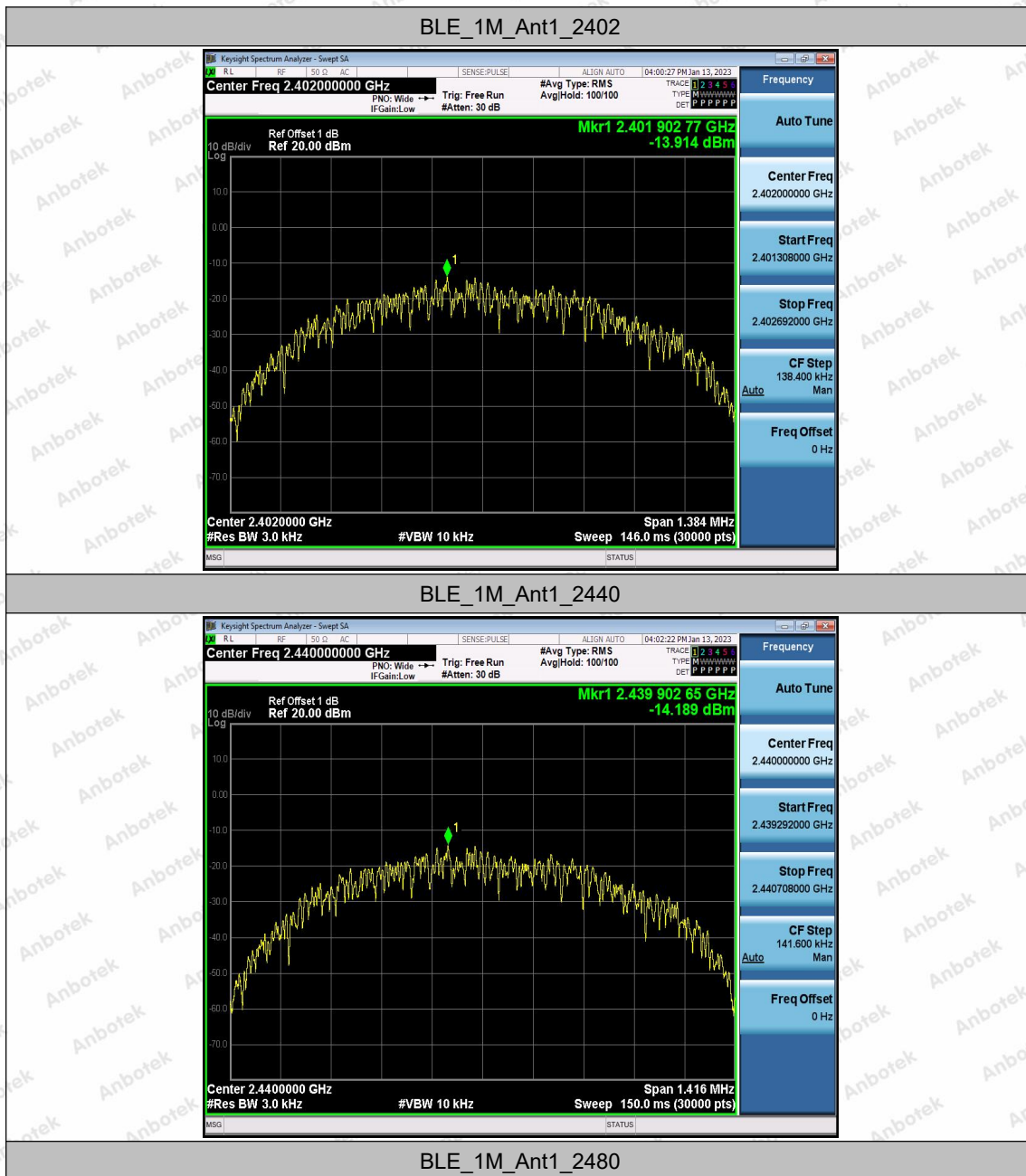
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.91	≤8.00	PASS
		2440	-14.19	≤8.00	PASS
		2480	-14.88	≤8.00	PASS



Test Graphs



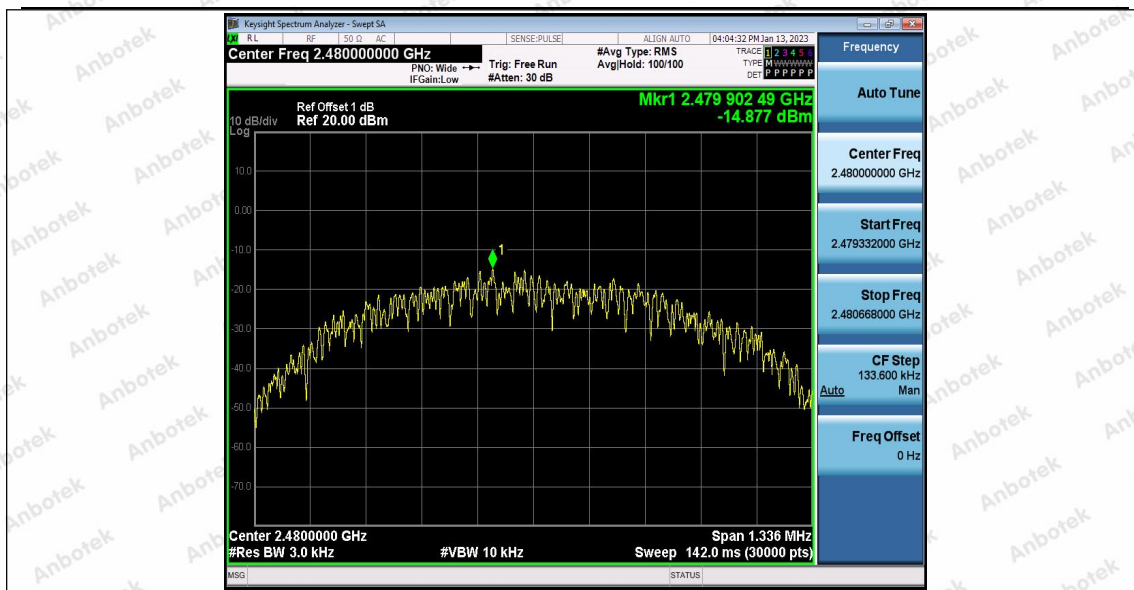
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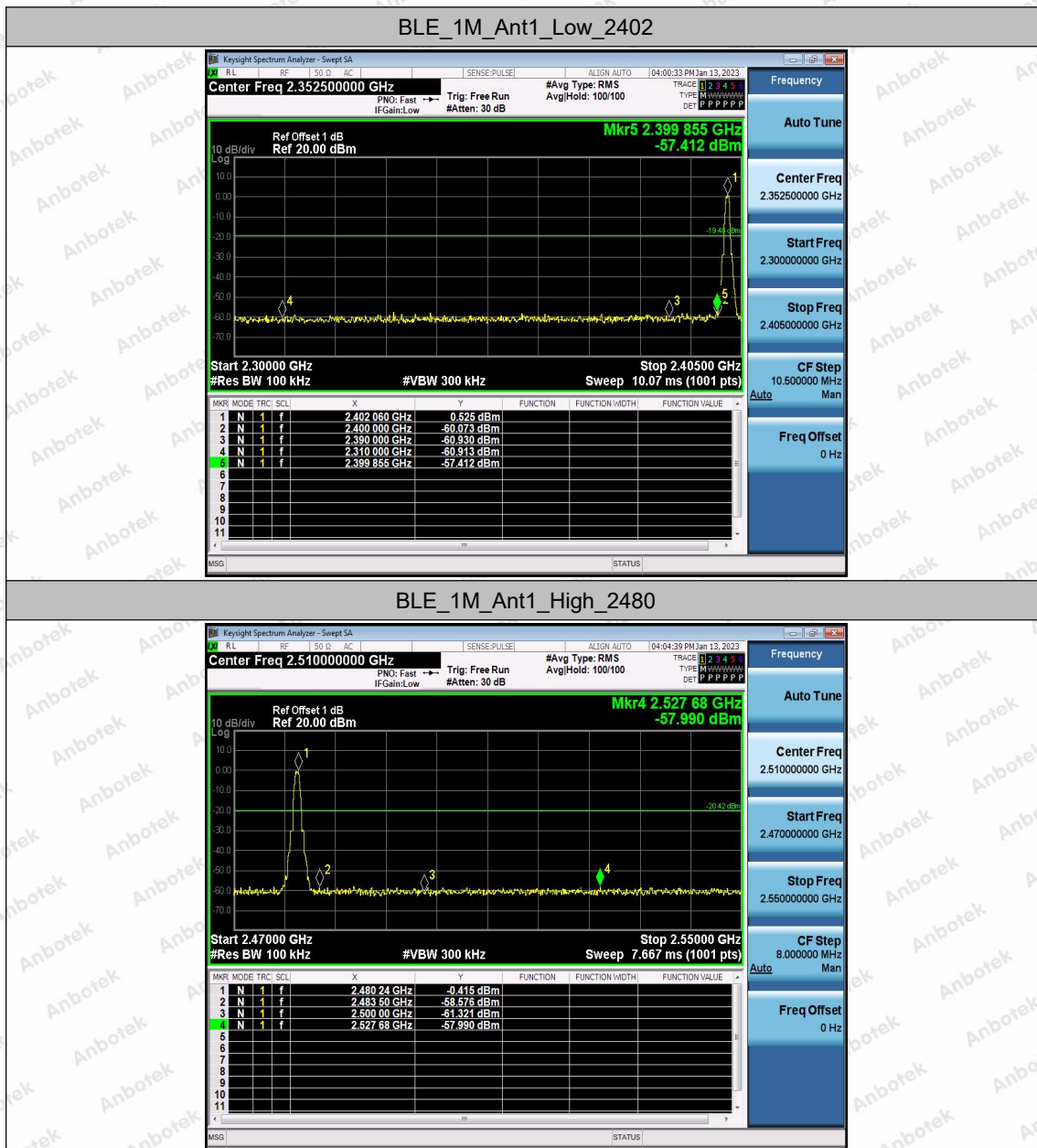
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.53	-57.41	≤-19.48	PASS
		High	2480	-0.42	-57.99	≤-20.42	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	0.13	0.13	---	PASS
			30~1000	0.13	-69.25	≤-19.87	PASS
			1000~26500	0.13	-52.94	≤-19.87	PASS
		2440	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-68.35	≤-20.15	PASS
			1000~26500	-0.15	-52.91	≤-20.15	PASS
		2480	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-68.27	≤-21.23	PASS
			1000~26500	-1.23	-53.01	≤-21.23	PASS

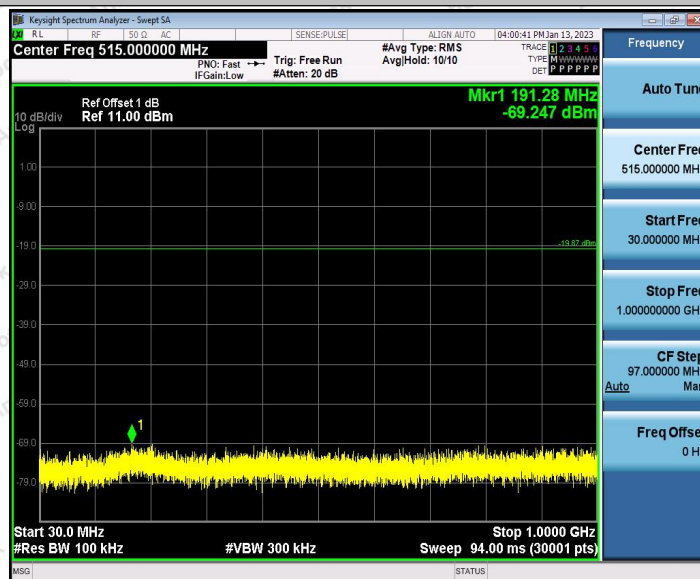


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

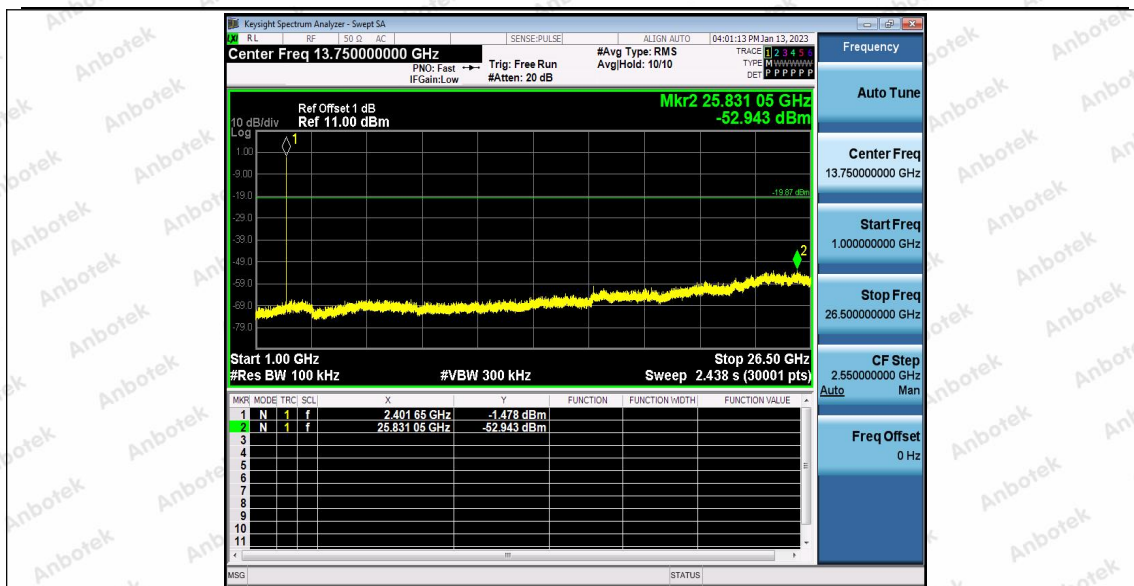
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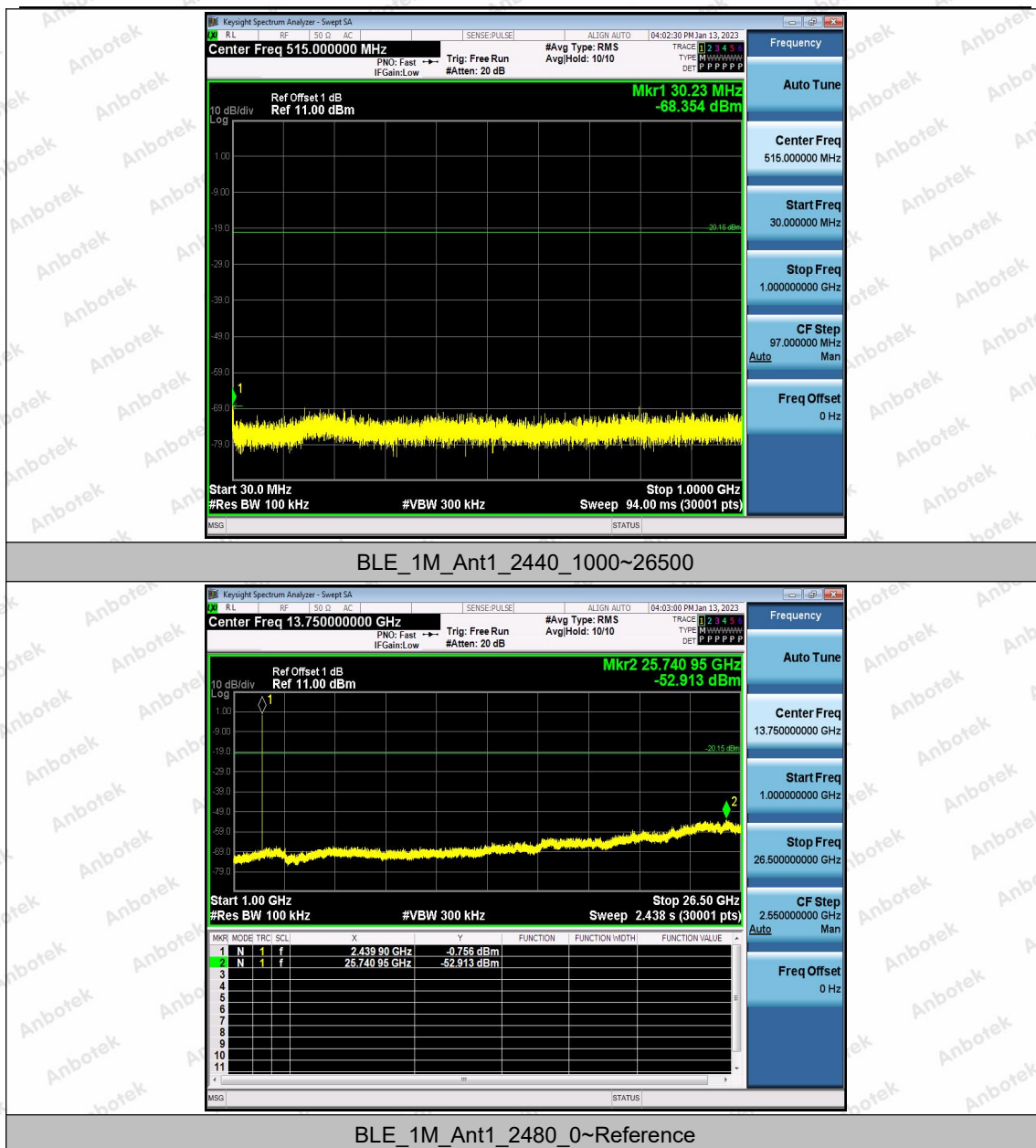


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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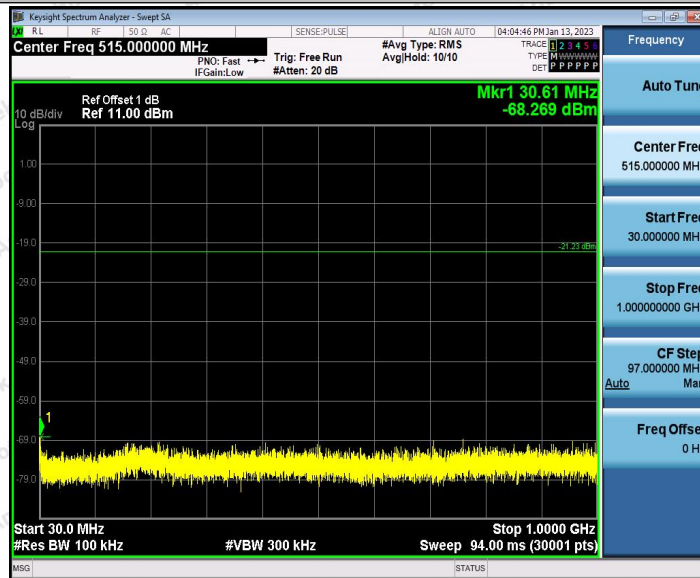


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

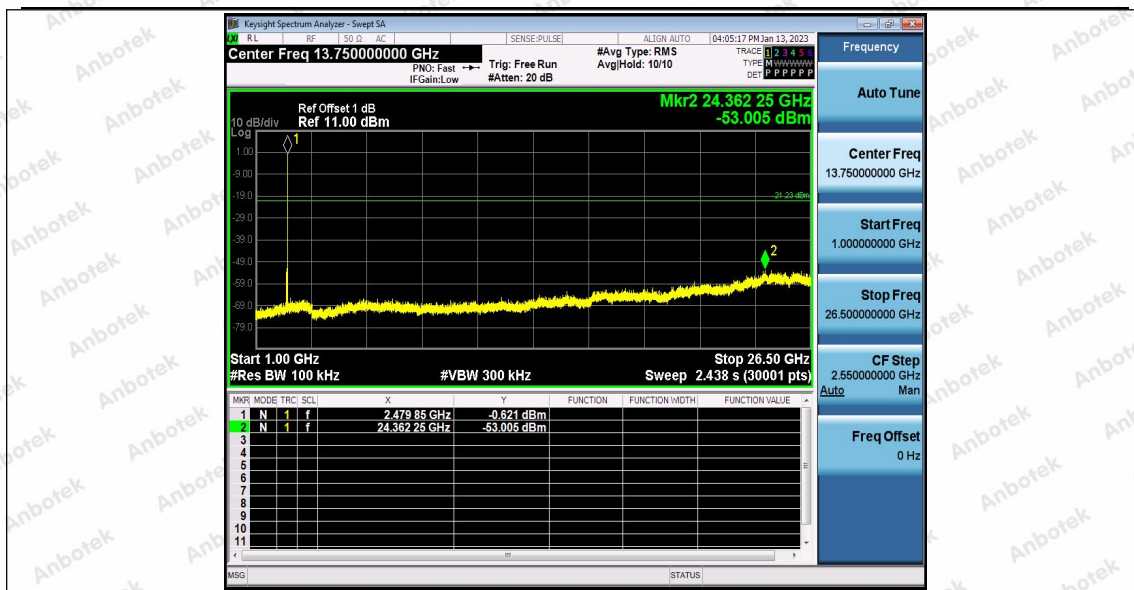
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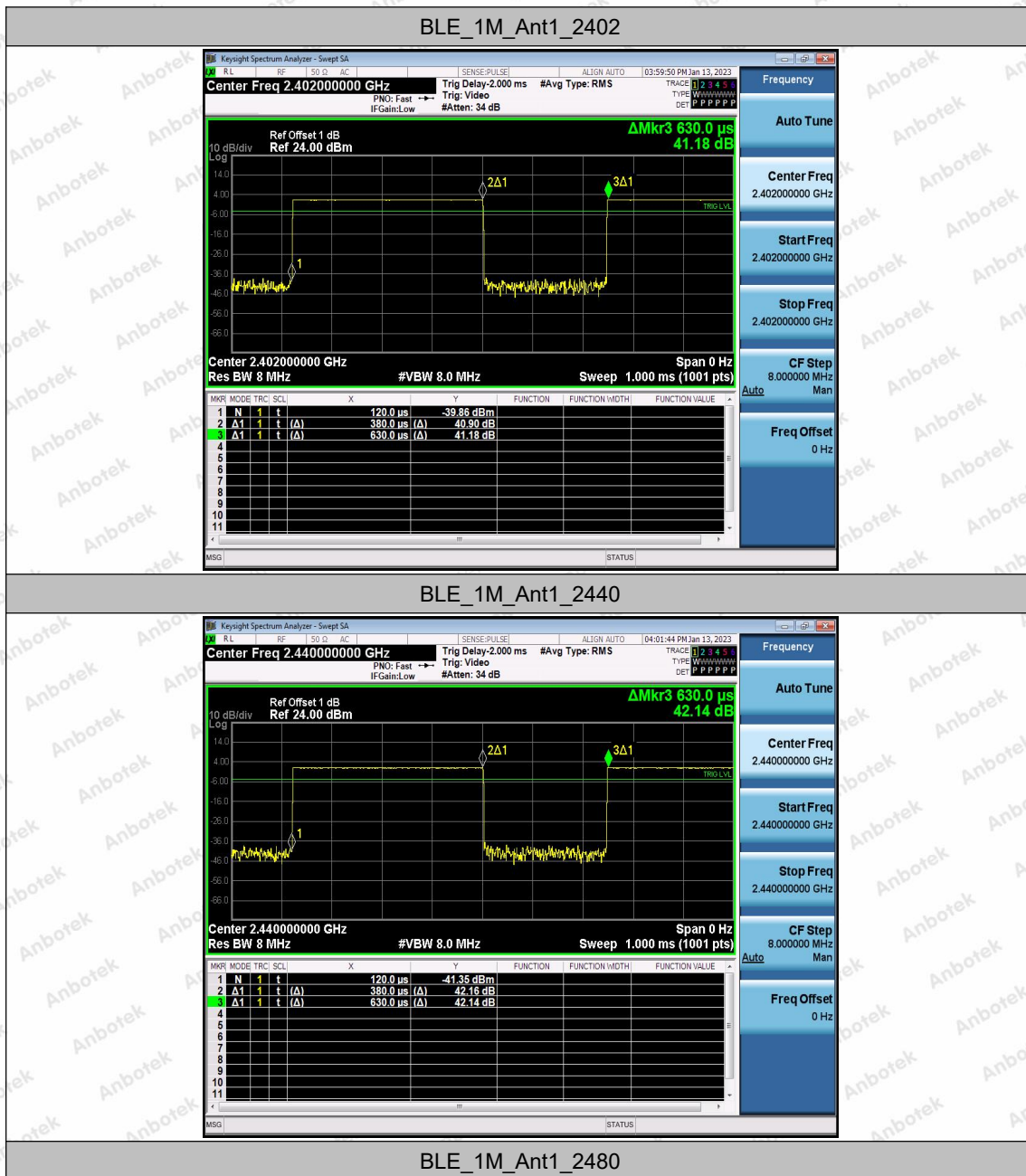
Appendix G: Duty Cycle

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	0.63	60.32	2.20



Test Graphs



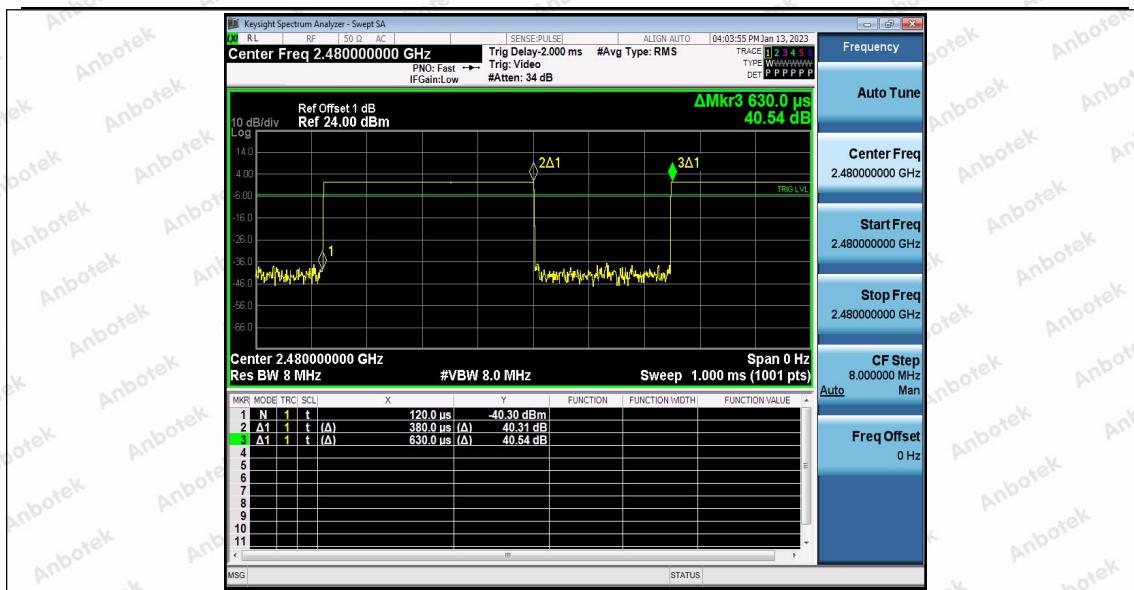
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