

Appendix Test Data

Report No.:	18220WC30093901	Test Sample No.:	1-2-2
Start Test Date:	2023.05.18	Finish Test Date:	2023.05.23
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	23.4°C	Relative Humidity:	54%
Pressure:	1012 hPa		

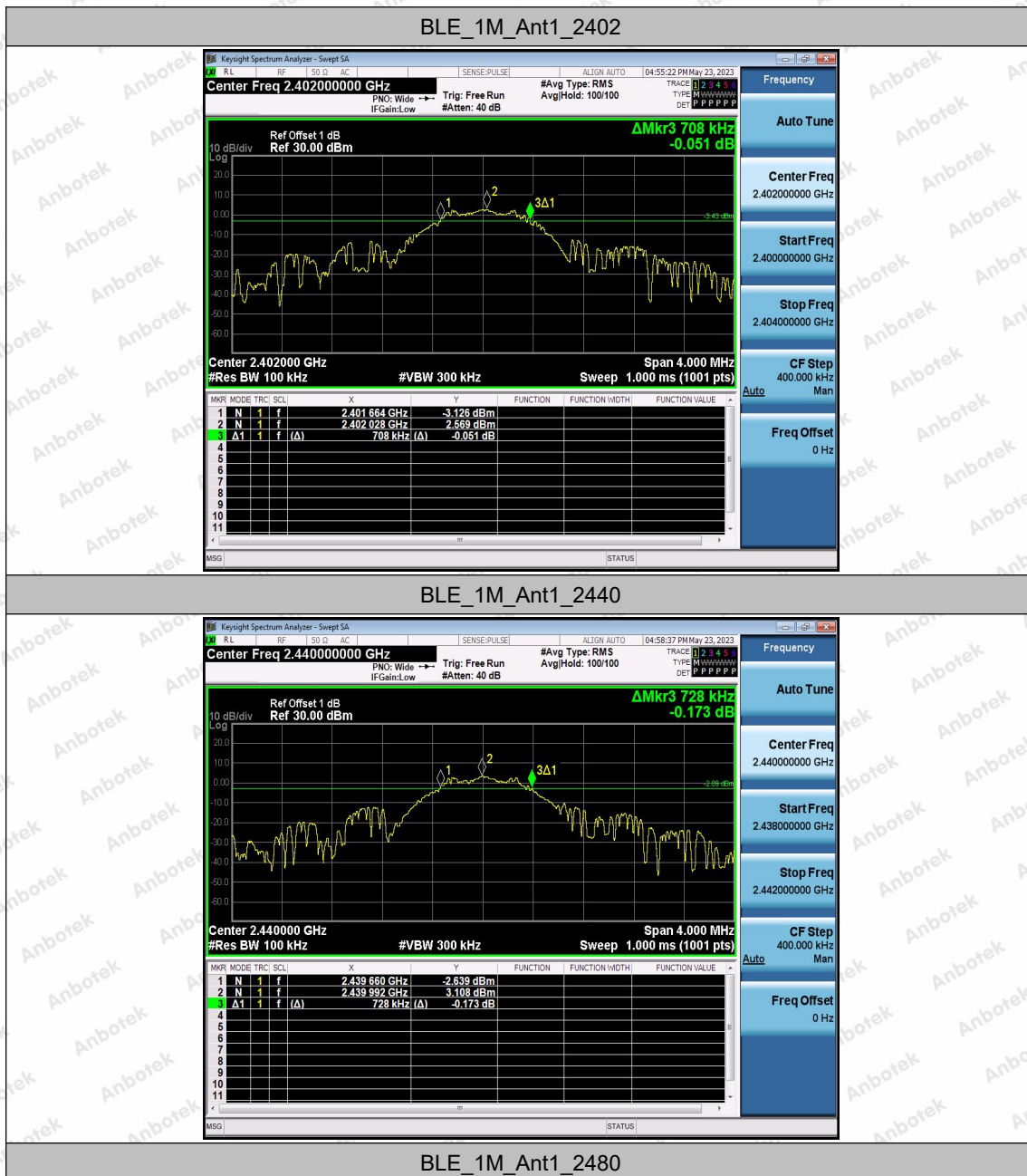
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.664	2402.372	0.5	PASS
		2440	0.728	2439.660	2440.388	0.5	PASS
		2480	0.704	2479.644	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	1.7708	2401.0559	2402.8267
		2440	1.6233	2439.1389	2440.7622
		2480	1.2700	2479.3316	2480.6016



Test Graphs



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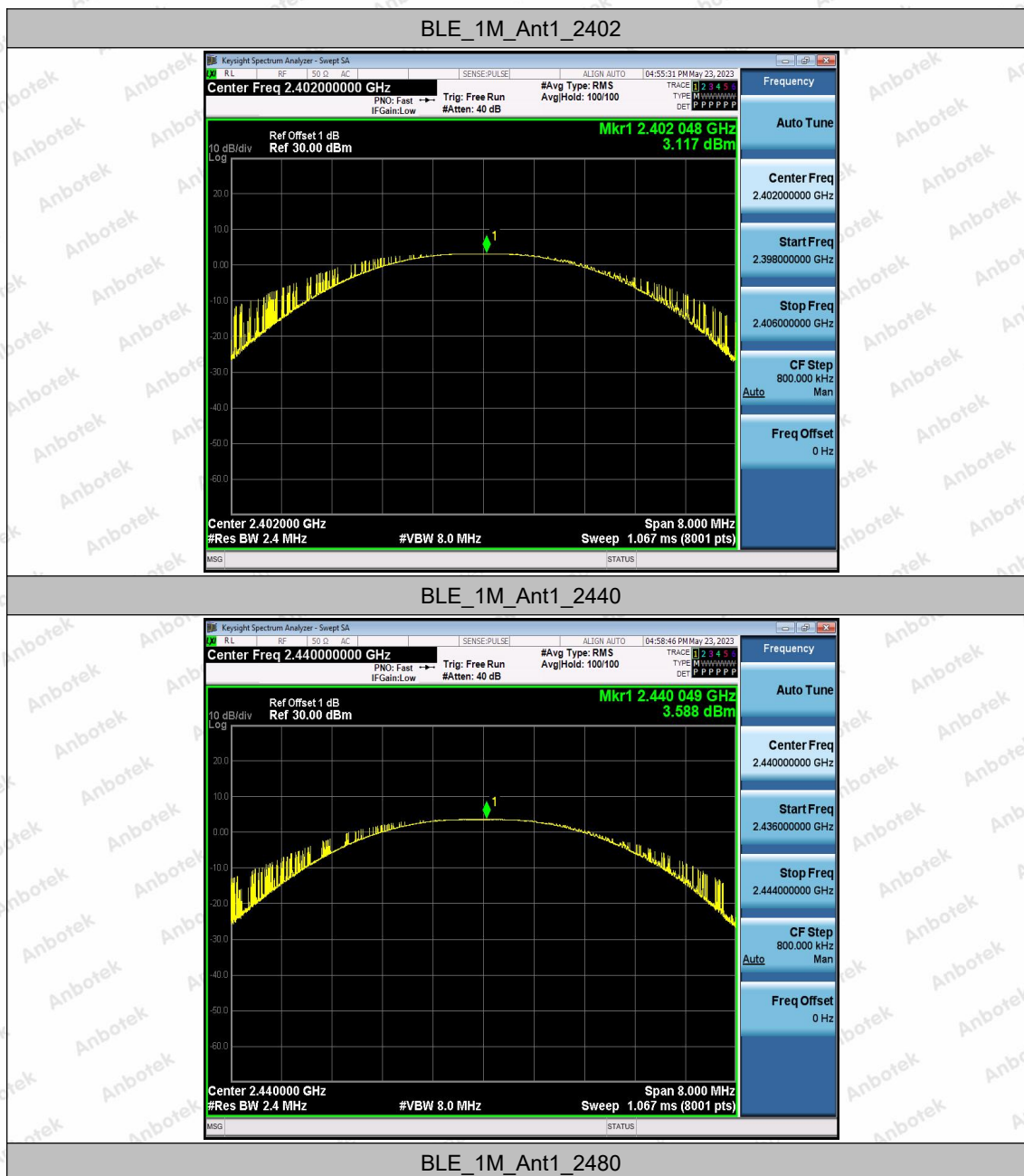
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.12	≤30	PASS
		2440	3.59	≤30	PASS
		2480	4.27	≤30	PASS



Test Graphs Peak



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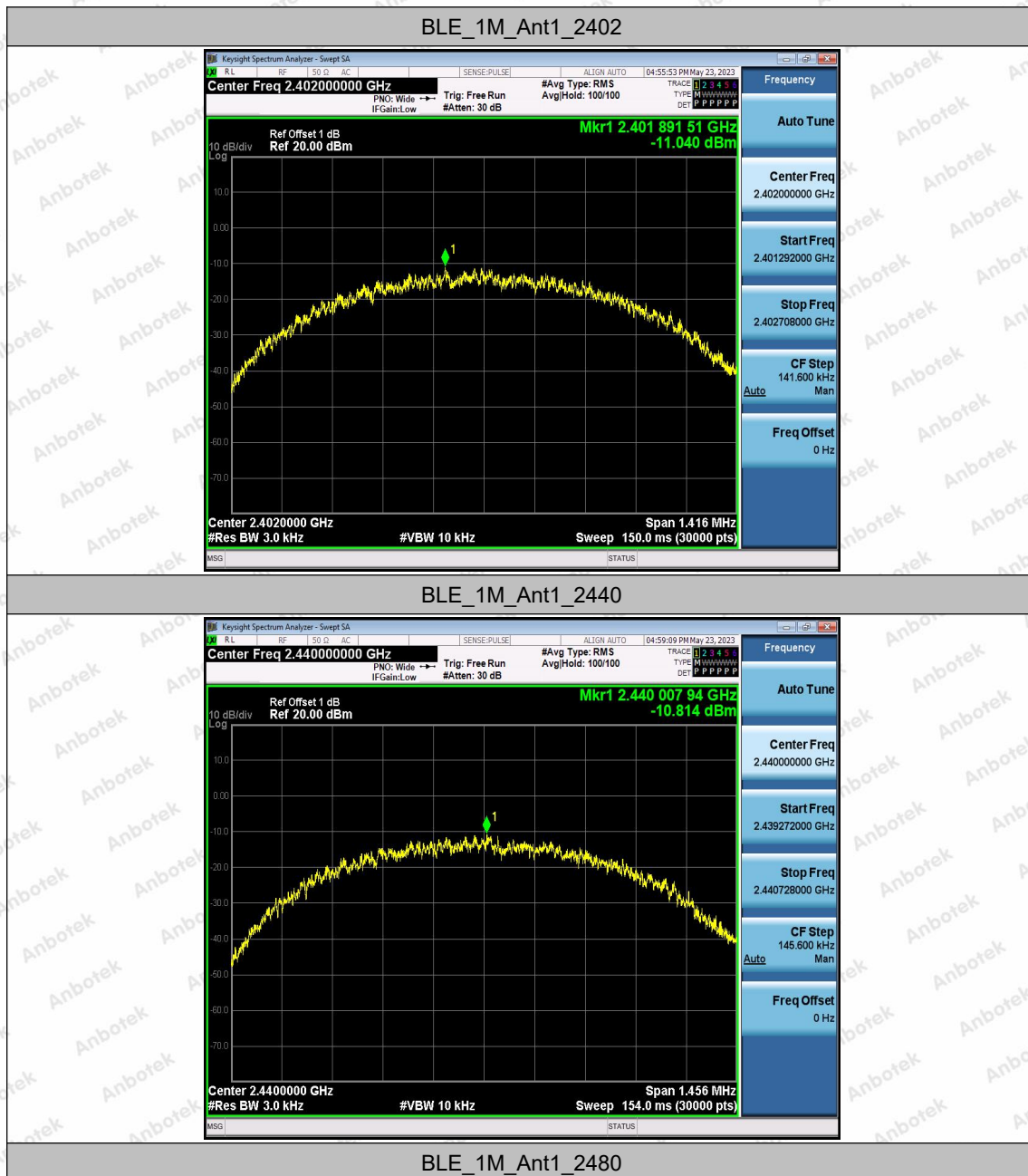
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.04	≤8.00	PASS
		2440	-10.81	≤8.00	PASS
		2480	-10.06	≤8.00	PASS



Test Graphs



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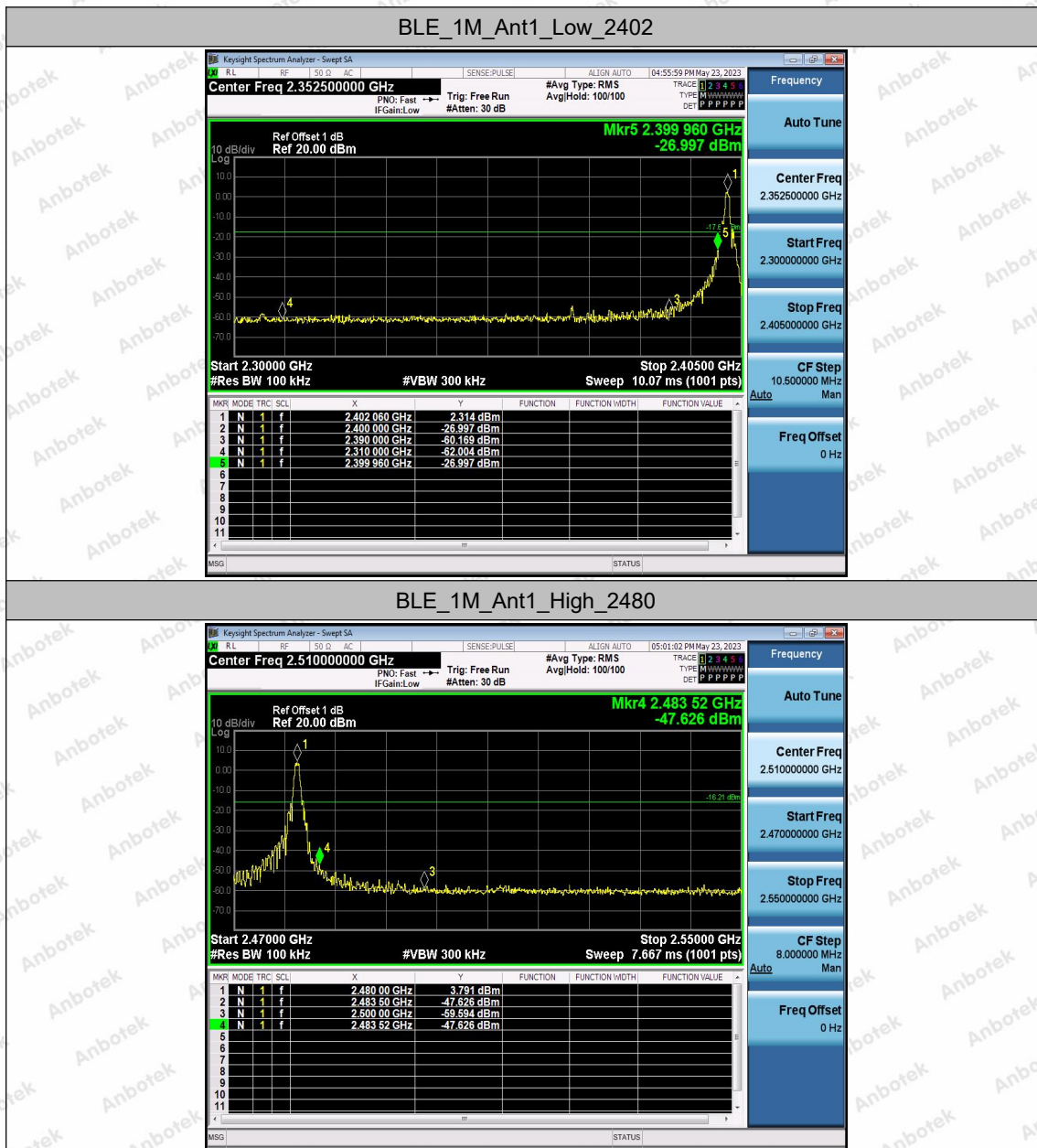
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.31	-27	≤-17.69	PASS
		High	2480	3.79	-47.63	≤-16.21	PASS



Test Graphs



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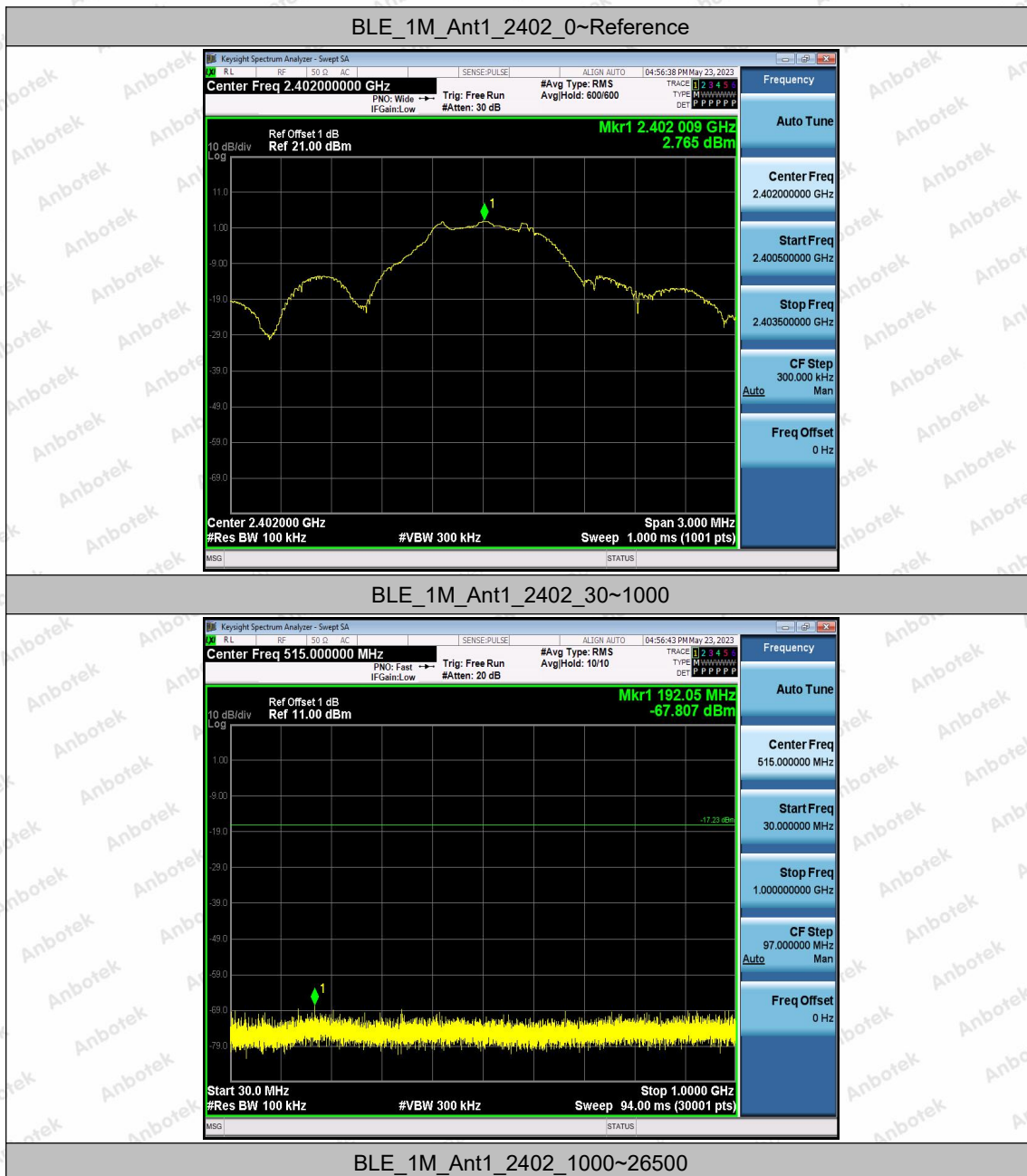
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.77	2.77	---	PASS
			30~1000	2.77	-67.81	≤-17.23	PASS
			1000~26500	2.77	-23.69	≤-17.23	PASS
		2440	Reference	3.19	3.19	---	PASS
			30~1000	3.19	-68.33	≤-16.81	PASS
			1000~26500	3.19	-19.95	≤-16.81	PASS
		2480	Reference	3.20	3.20	---	PASS
			30~1000	3.20	-67.2	≤-16.8	PASS
			1000~26500	3.20	-19.93	≤-16.8	PASS



Test Graphs



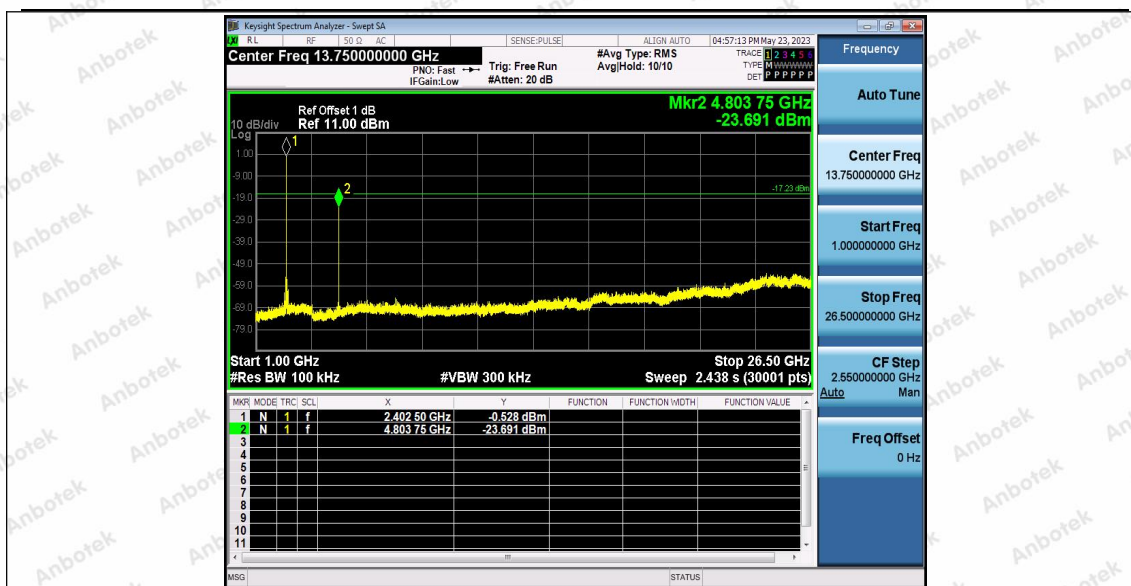
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

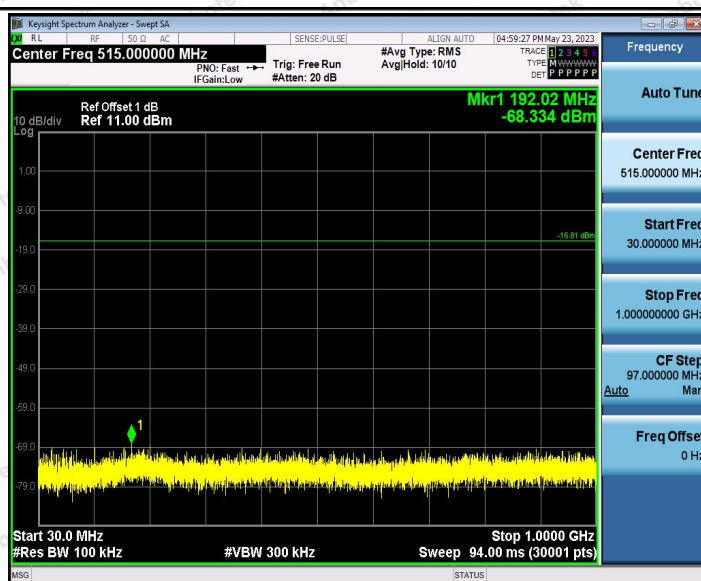
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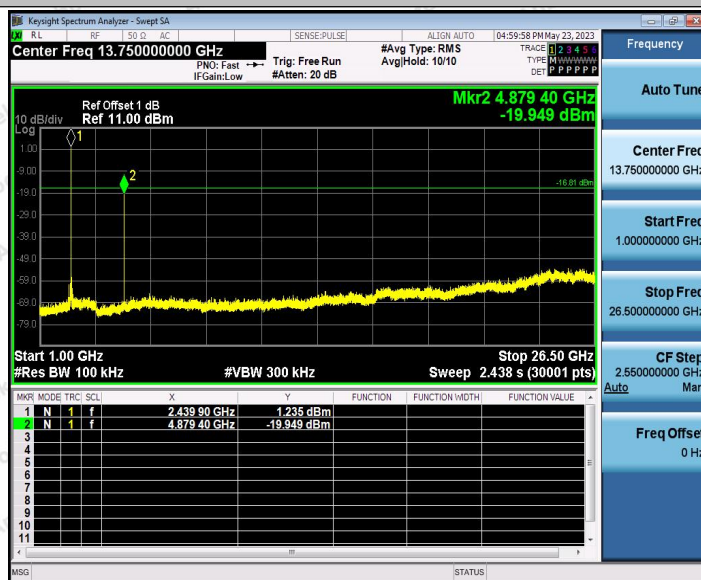


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

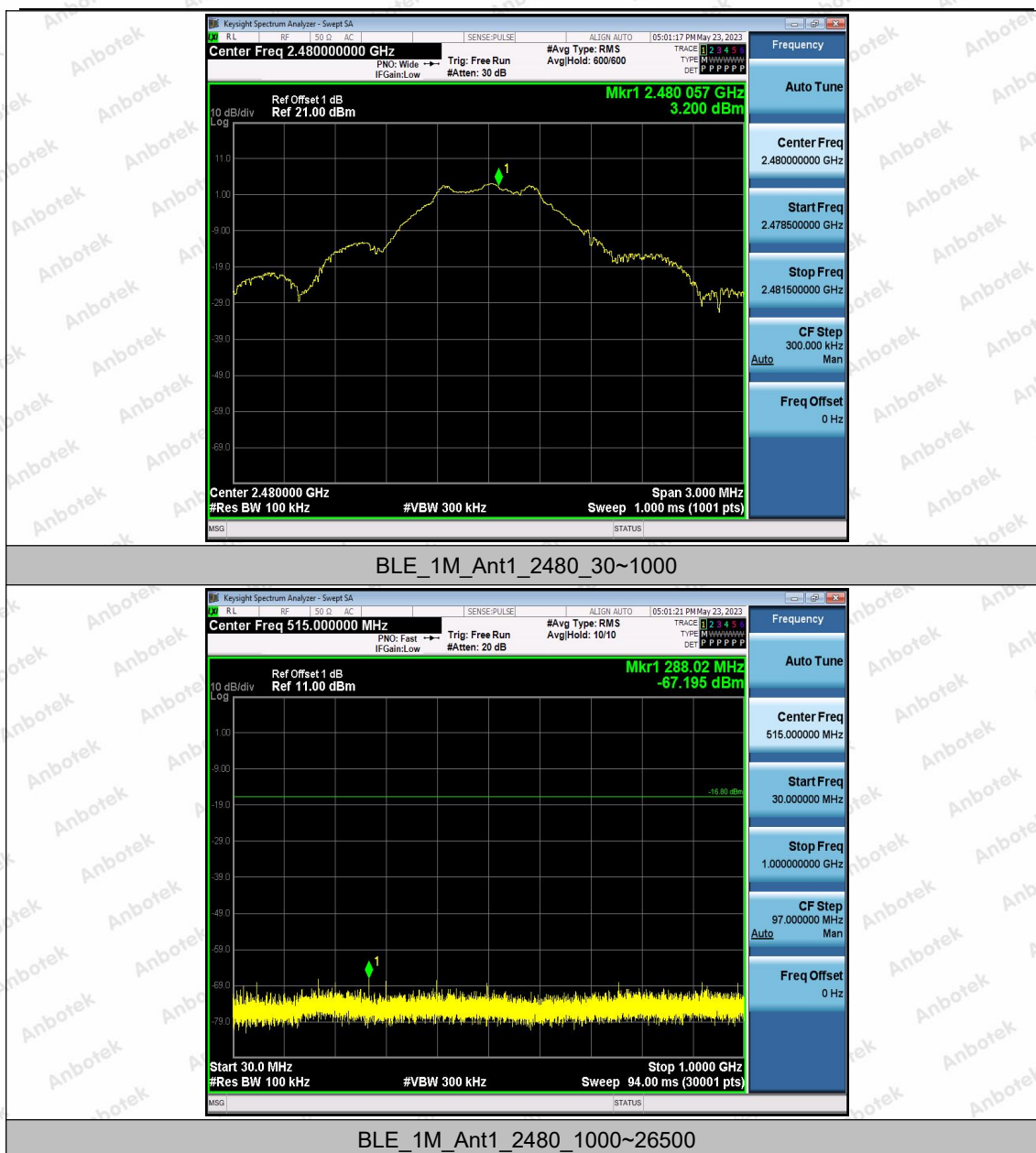
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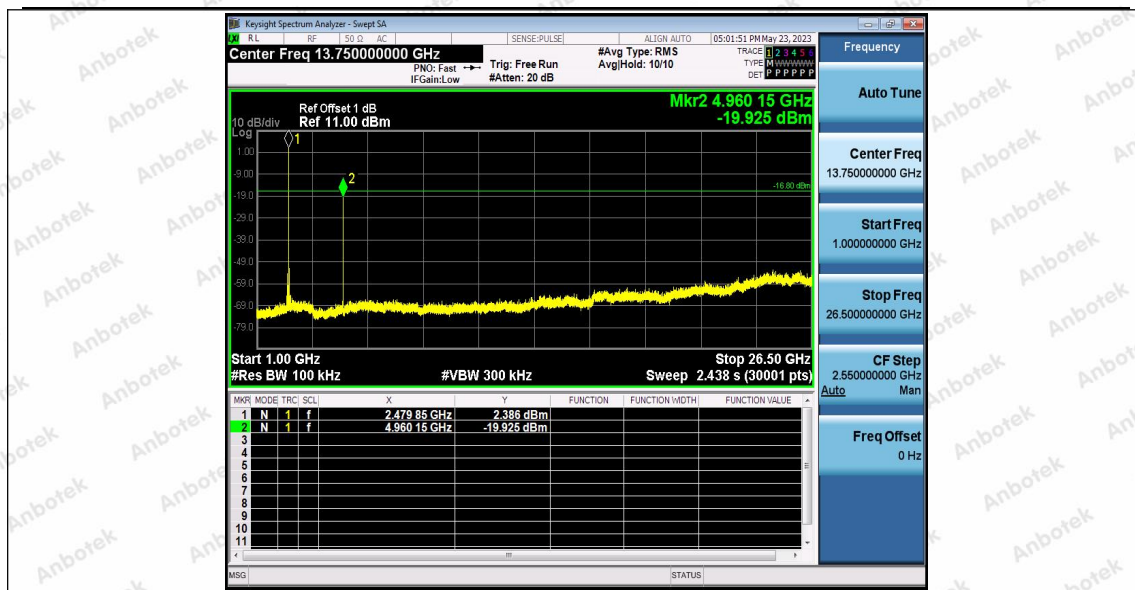
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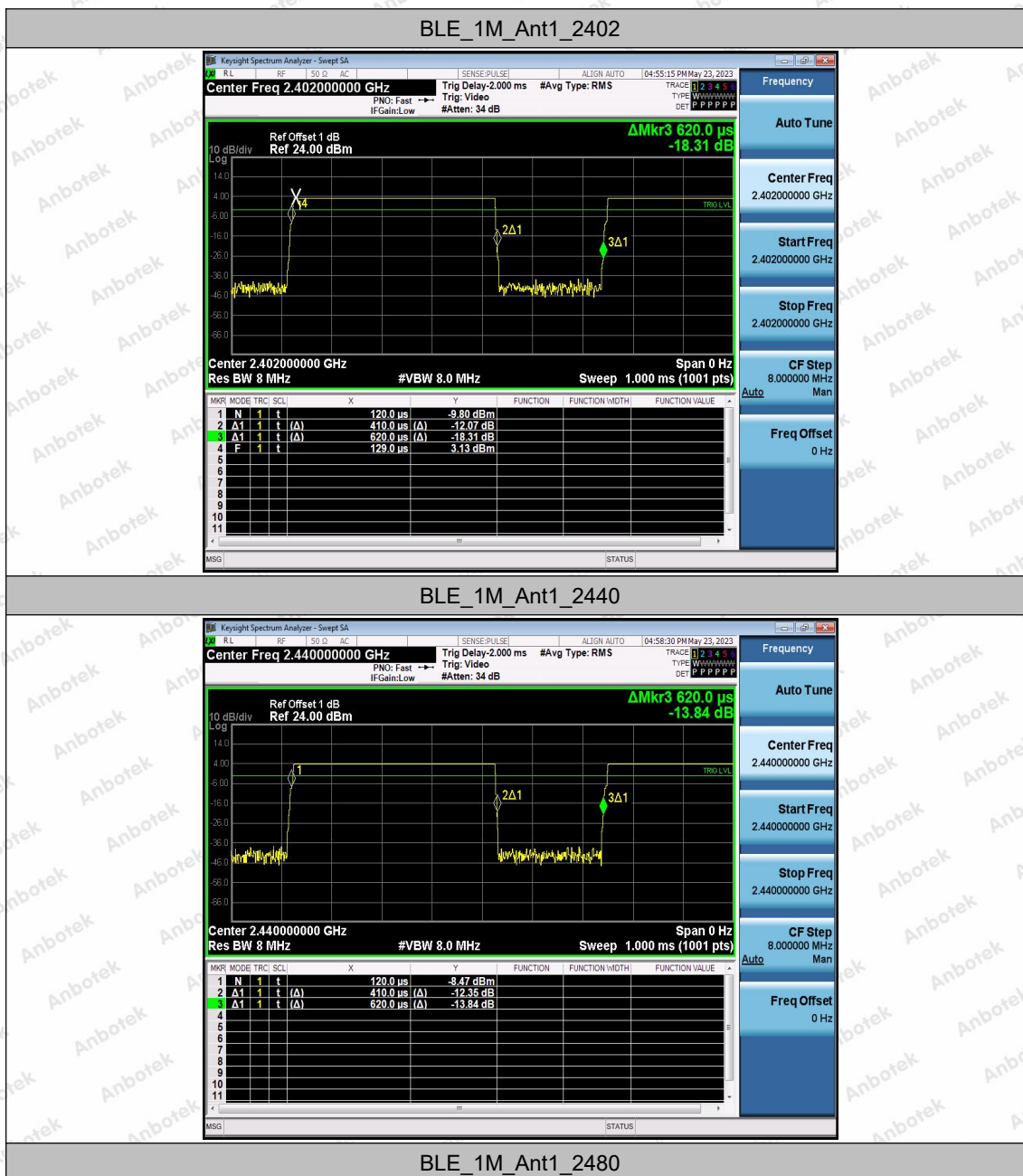
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.62	66.13	1.80
		2440	0.41	0.62	66.13	1.80
		2480	0.41	0.62	66.13	1.80



Test Graphs



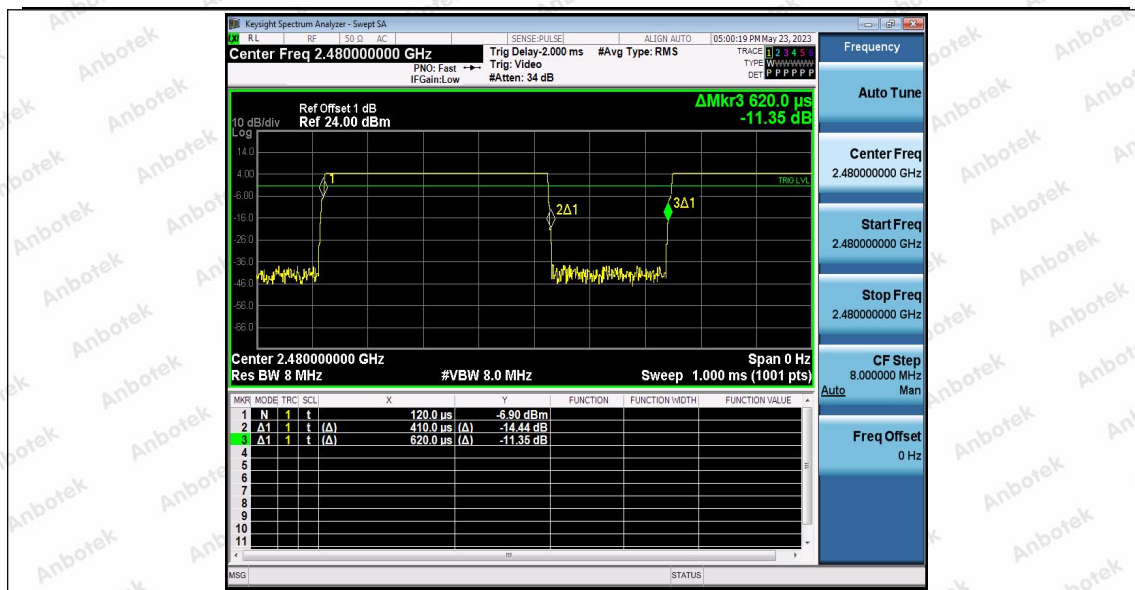
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