

Appendix Test Data

Report No.:	18220WC30122002	Test Sample No.:	1-2-2
Start Test Date:	2023.06.19	Finish Test Date:	2023.06.26
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.3°C	Relative Humidity:	46%
Pressure:	1012 hPa		

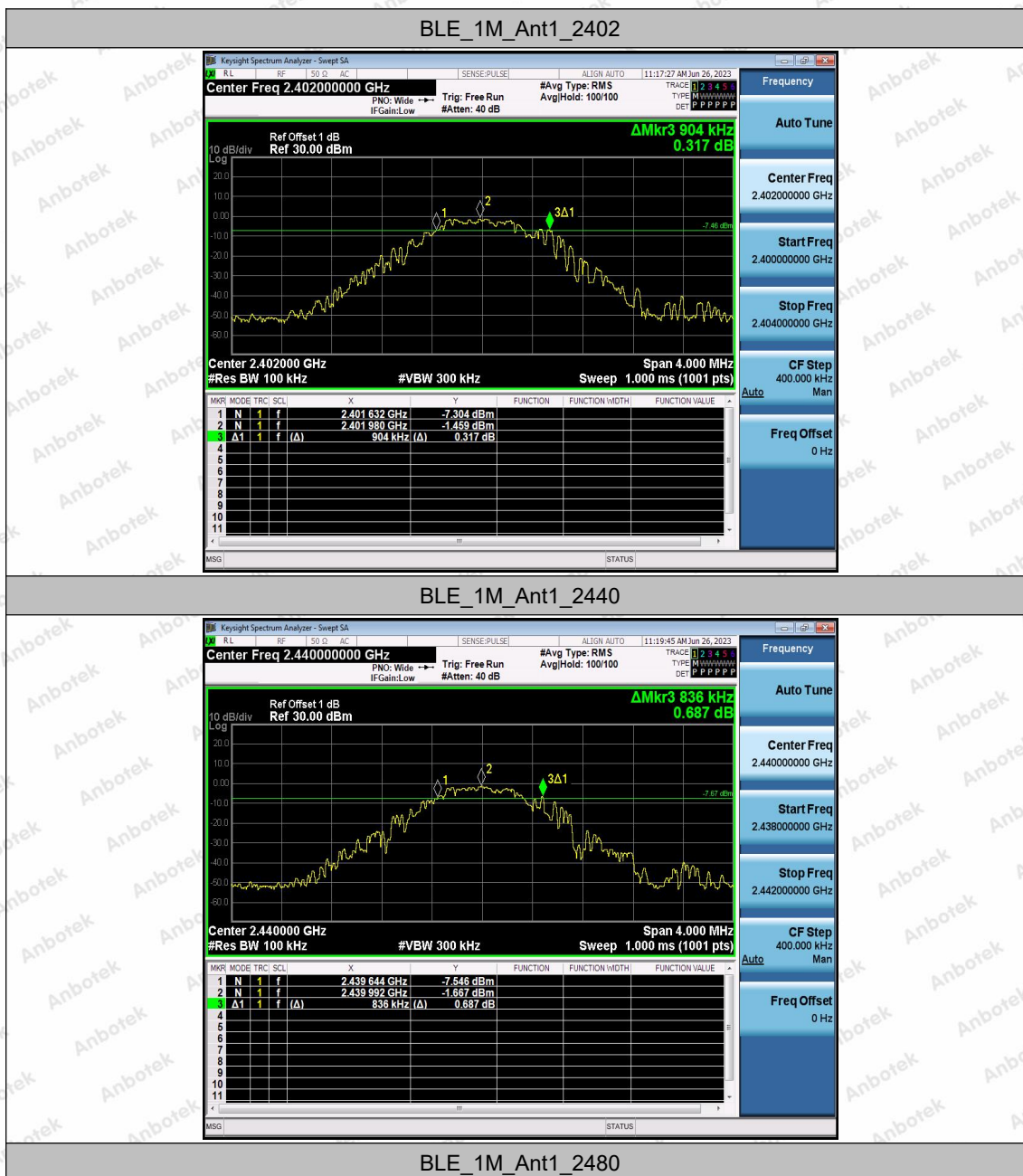
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.904	2401.632	2402.536	0.5	PASS
		2440	0.836	2439.644	2440.480	0.5	PASS
		2480	0.868	2479.632	2480.500	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	1.2464	2401.3892	2402.6356
		2440	1.2424	2439.3986	2440.6410
		2480	1.2105	2479.4002	2480.6107



Test Graphs



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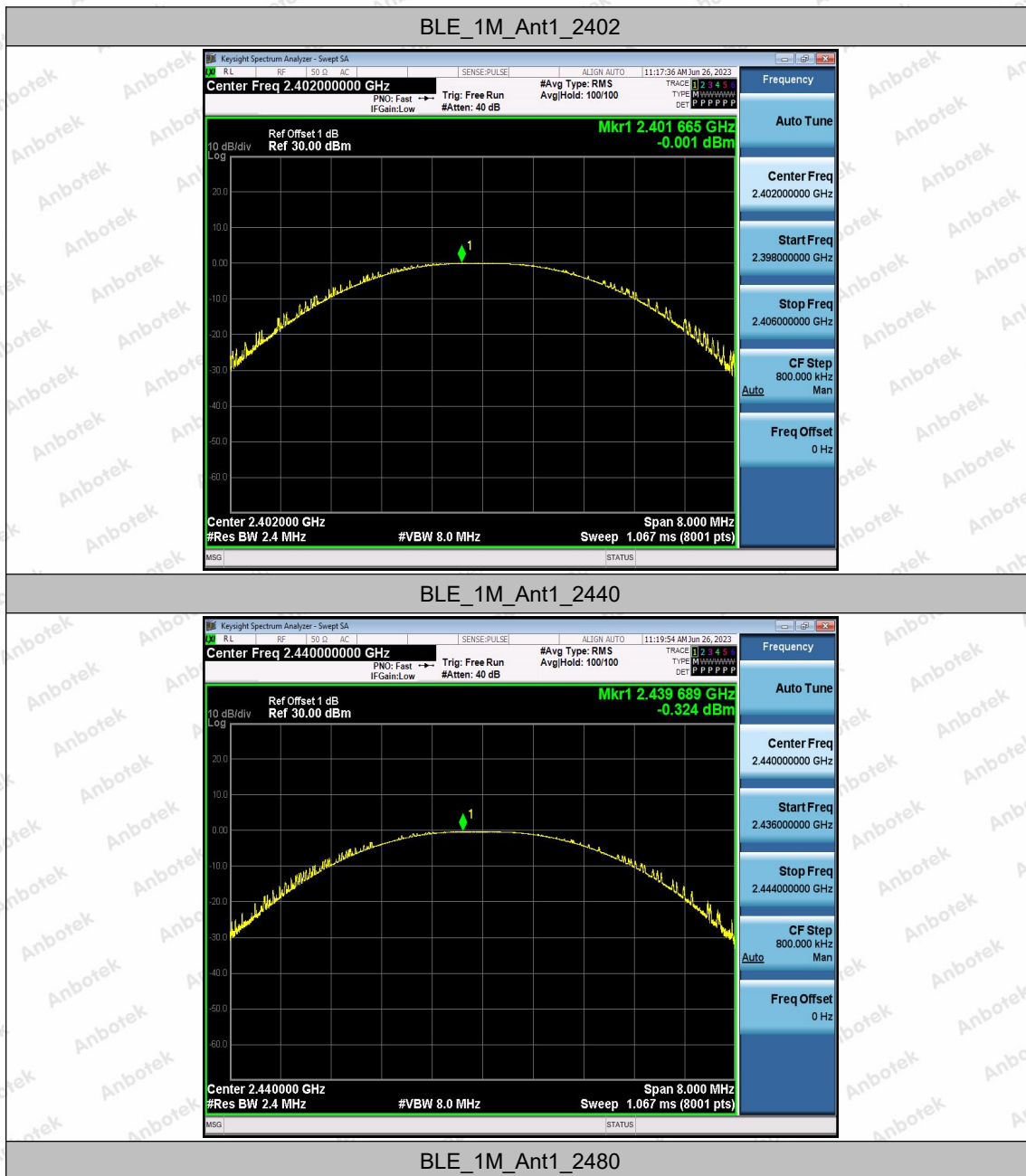
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.00	≤30	PASS
		2440	-0.32	≤30	PASS
		2480	-0.70	≤30	PASS



Test Graphs Peak



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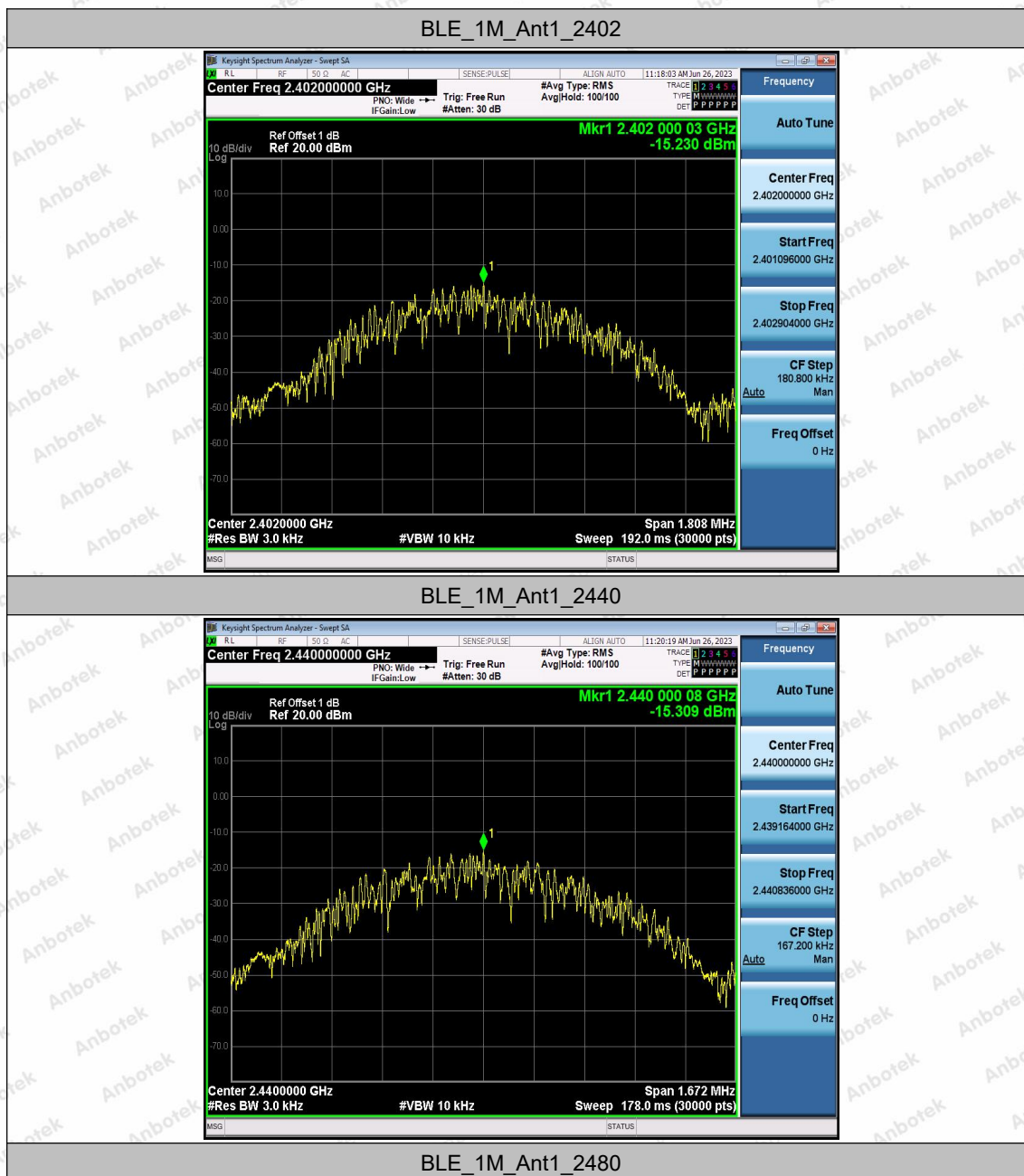
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.23	≤8.00	PASS
		2440	-15.31	≤8.00	PASS
		2480	-15.54	≤8.00	PASS



Test Graphs



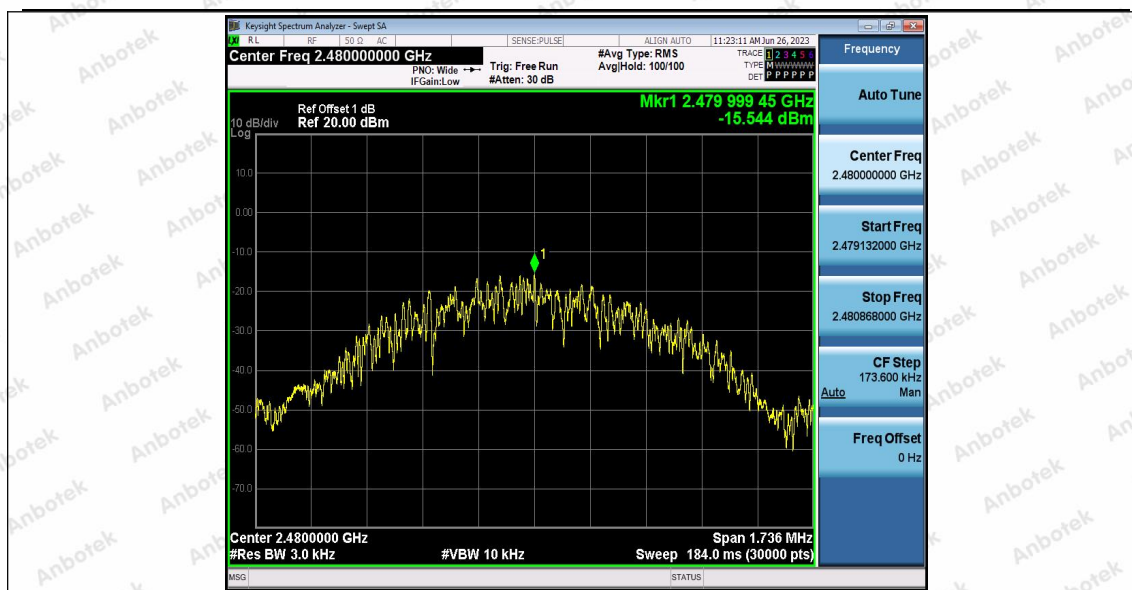
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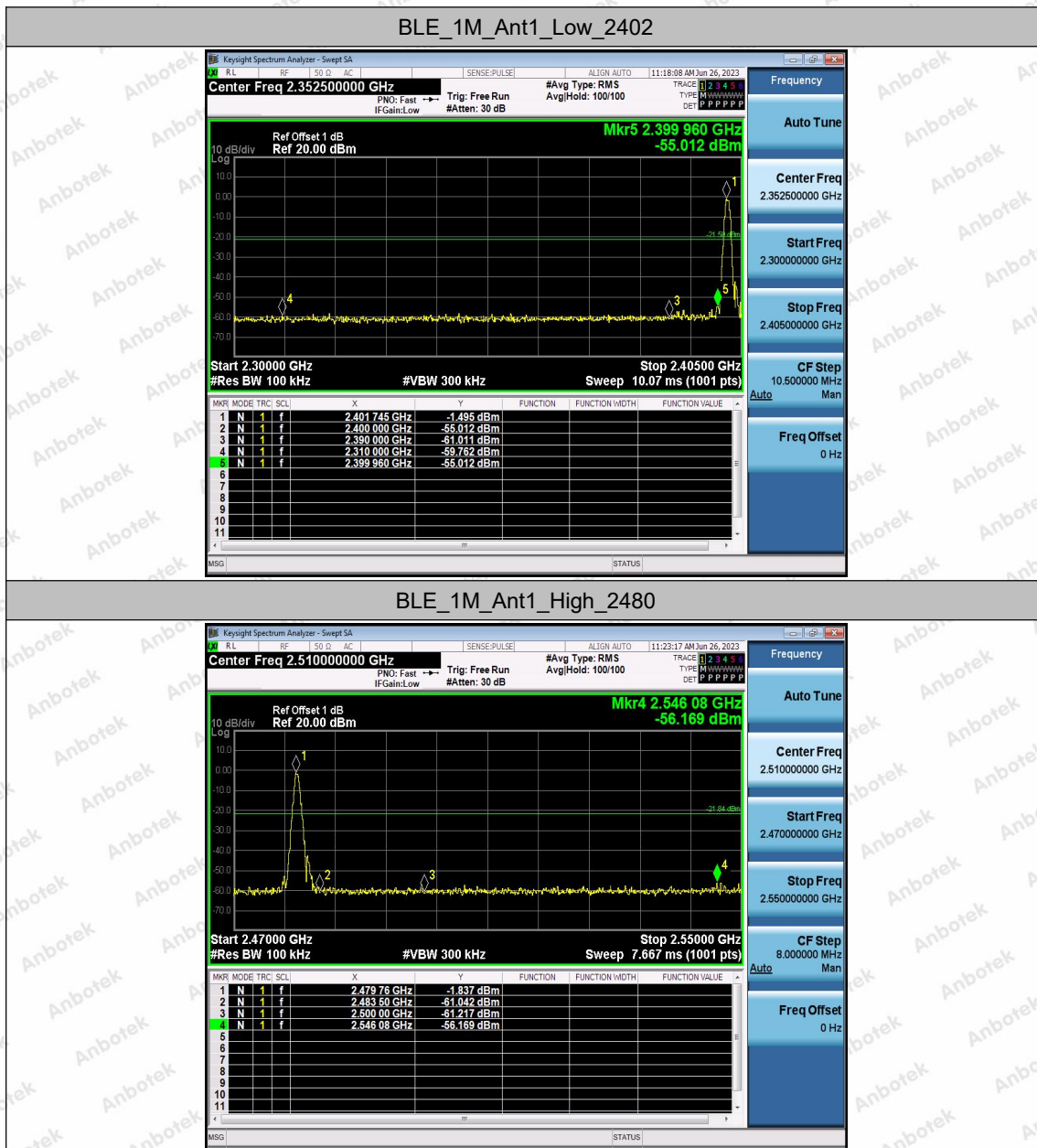
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.50	-55.01	≤-21.5	PASS
		High	2480	-1.84	-56.17	≤-21.84	PASS



Test Graphs



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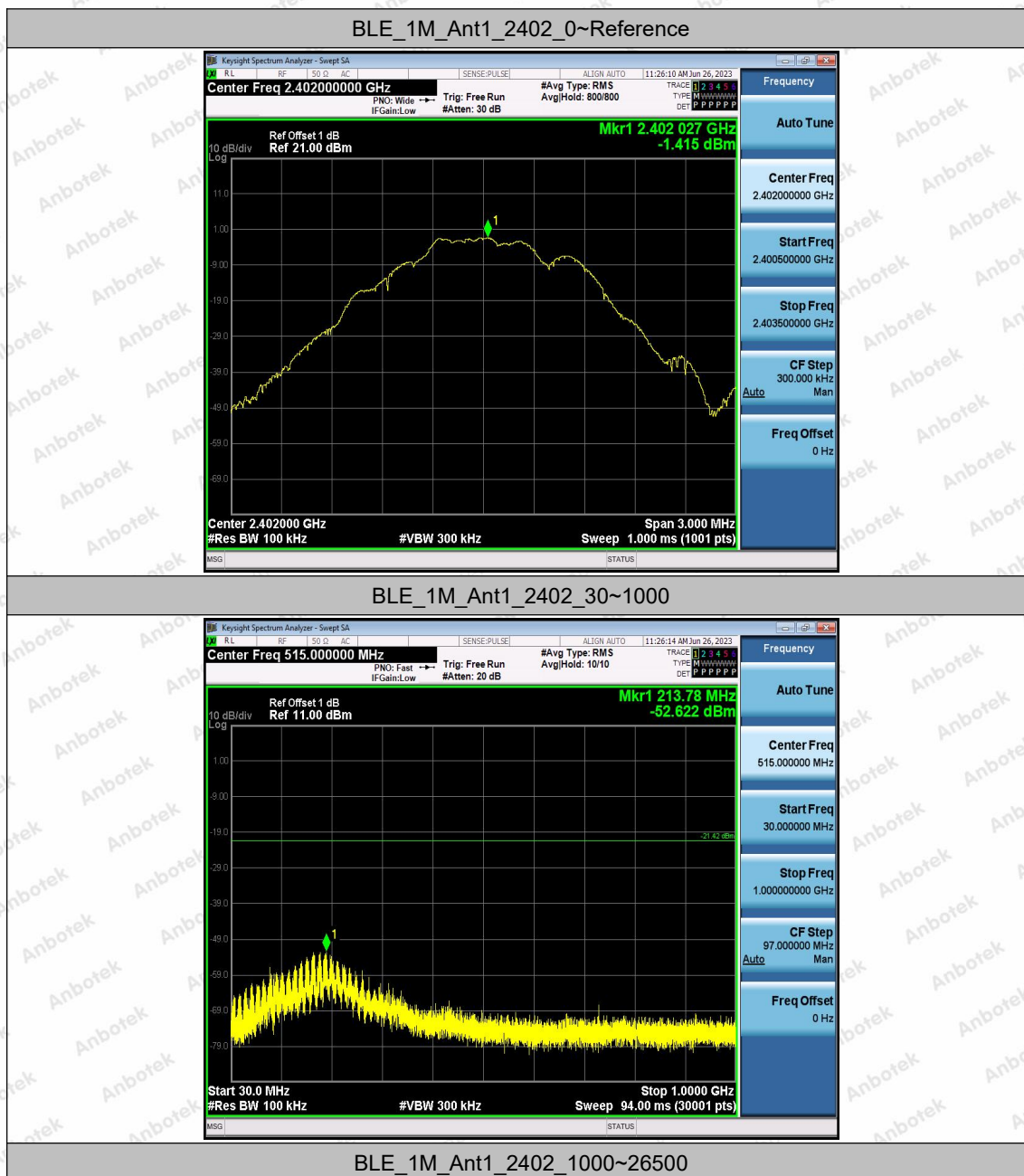
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.42	-1.42	---	PASS
			30~1000	-1.42	-52.62	≤-21.42	PASS
			1000~26500	-1.42	-53.43	≤-21.42	PASS
		2440	Reference	-1.73	-1.73	---	PASS
			30~1000	-1.73	-53.13	≤-21.73	PASS
			1000~26500	-1.73	-53.1	≤-21.73	PASS
		2480	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-51.67	≤-22.14	PASS
			1000~26500	-2.14	-53.18	≤-22.14	PASS



Test Graphs



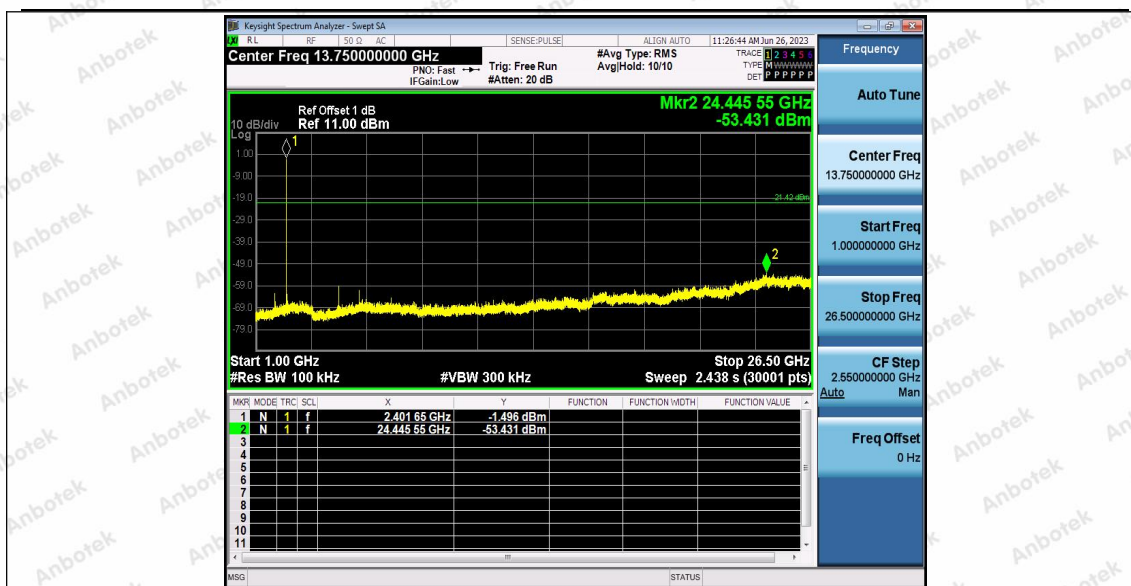
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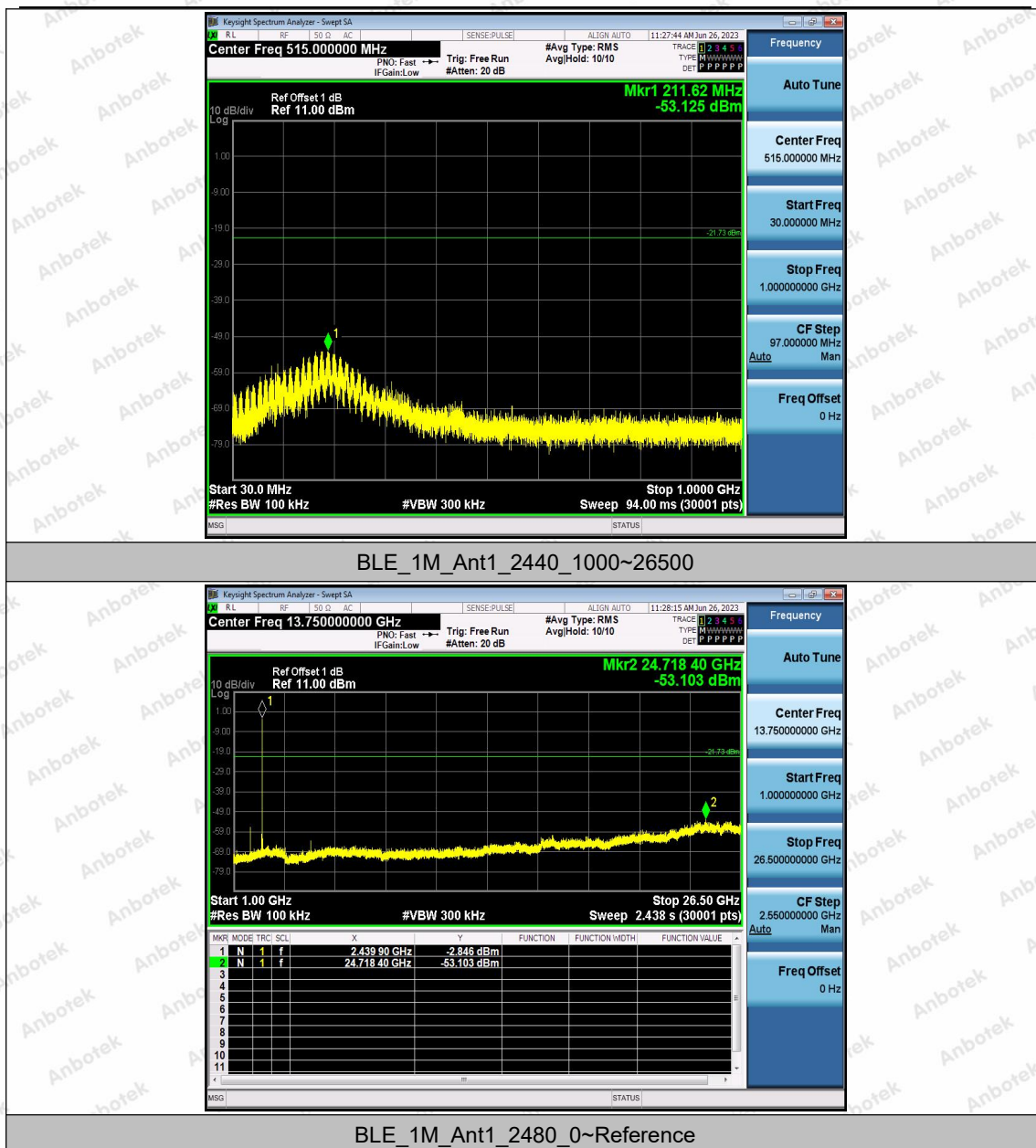


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





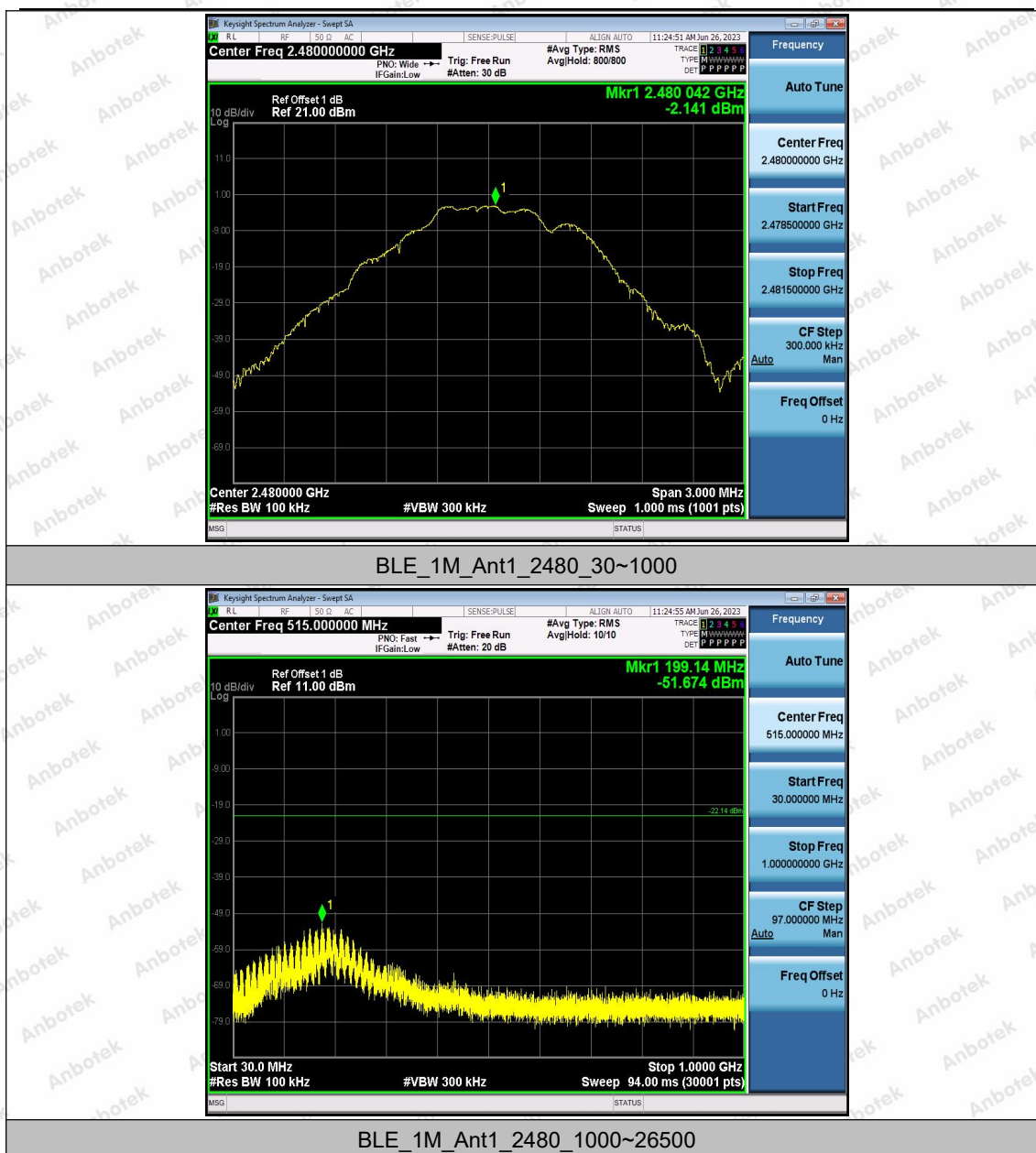
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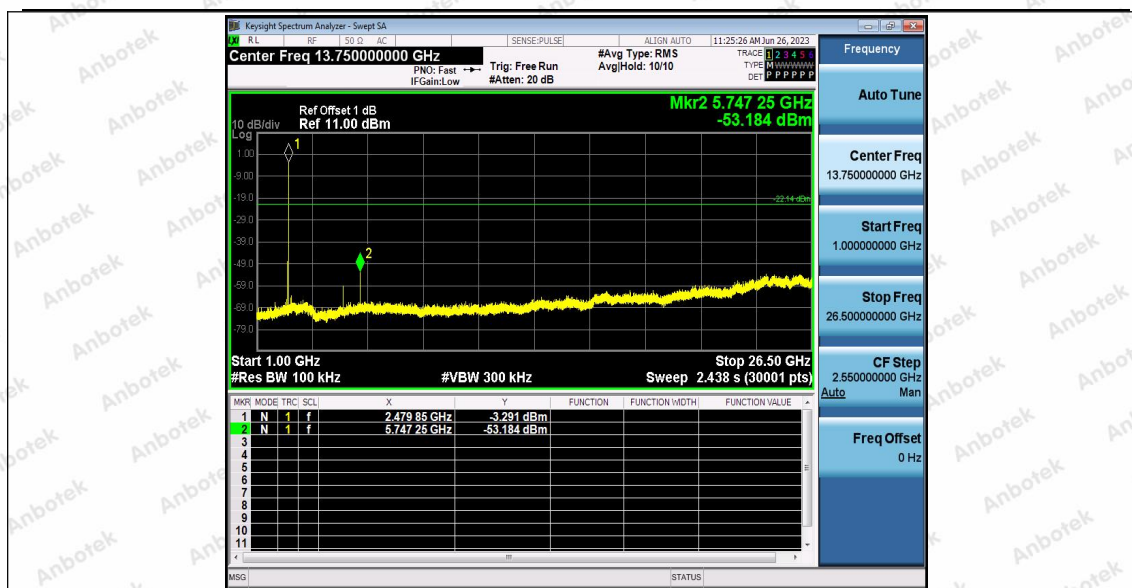
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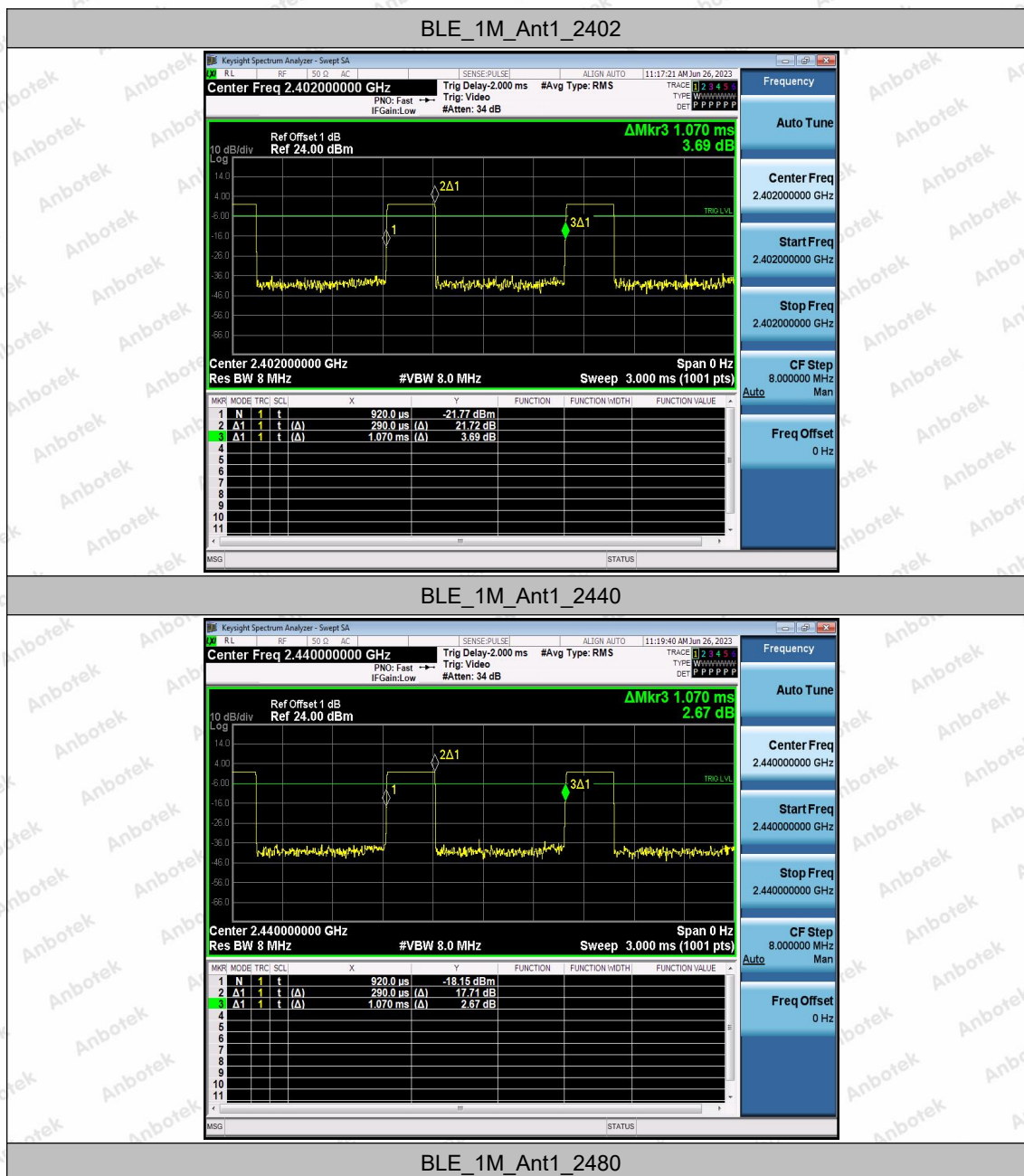
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	1.07	27.10	5.67
		2440	0.29	1.07	27.10	5.67
		2480	0.29	1.07	27.10	5.67



Test Graphs



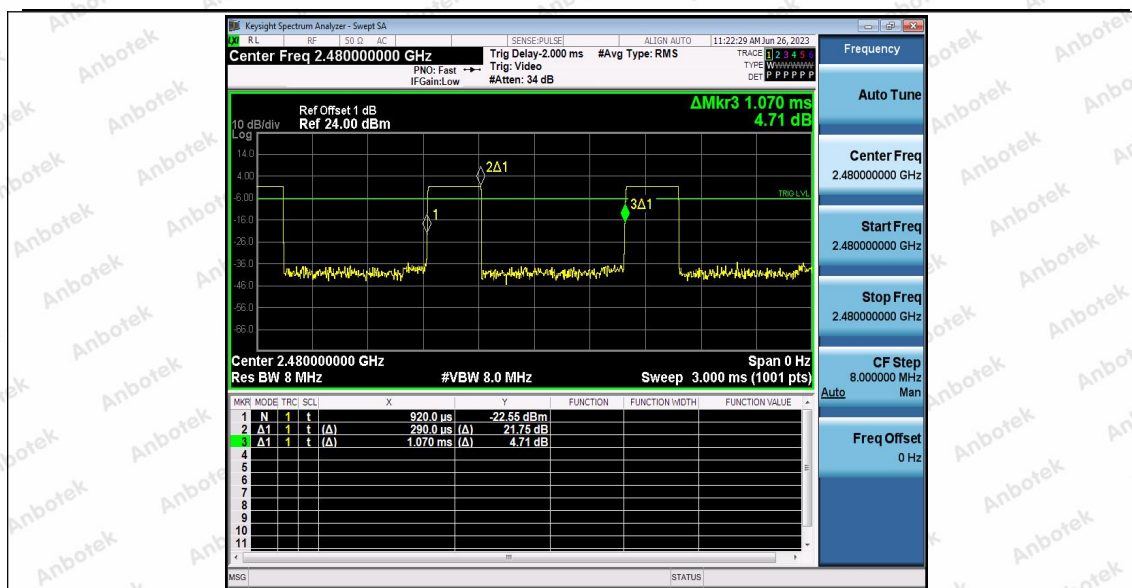
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