

Appendix Test Data

Report No.:	18220WC30208902	Test Sample No.:	1-2-2
Start Test Date:	2023.09.21	Finish Test Date:	2023.09.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.5°C	Relative Humidity:	48.6%
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	0.696	2401.652	2402.348	0.5	PASS
		2440	0.656	2439.676	2440.332	0.5	PASS
		2480	0.680	2479.660	2480.340	0.5	PASS

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Test Graphs

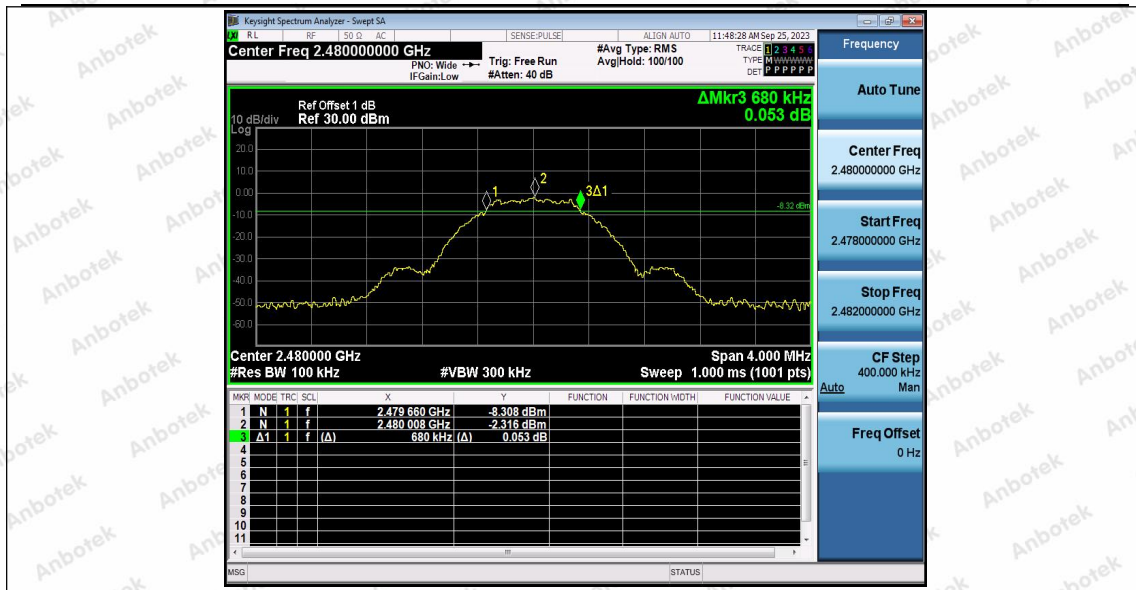


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0352	2401.4879	2402.5231
		2440	1.0284	2439.4875	2440.5159
		2480	1.0375	2479.4850	2480.5225

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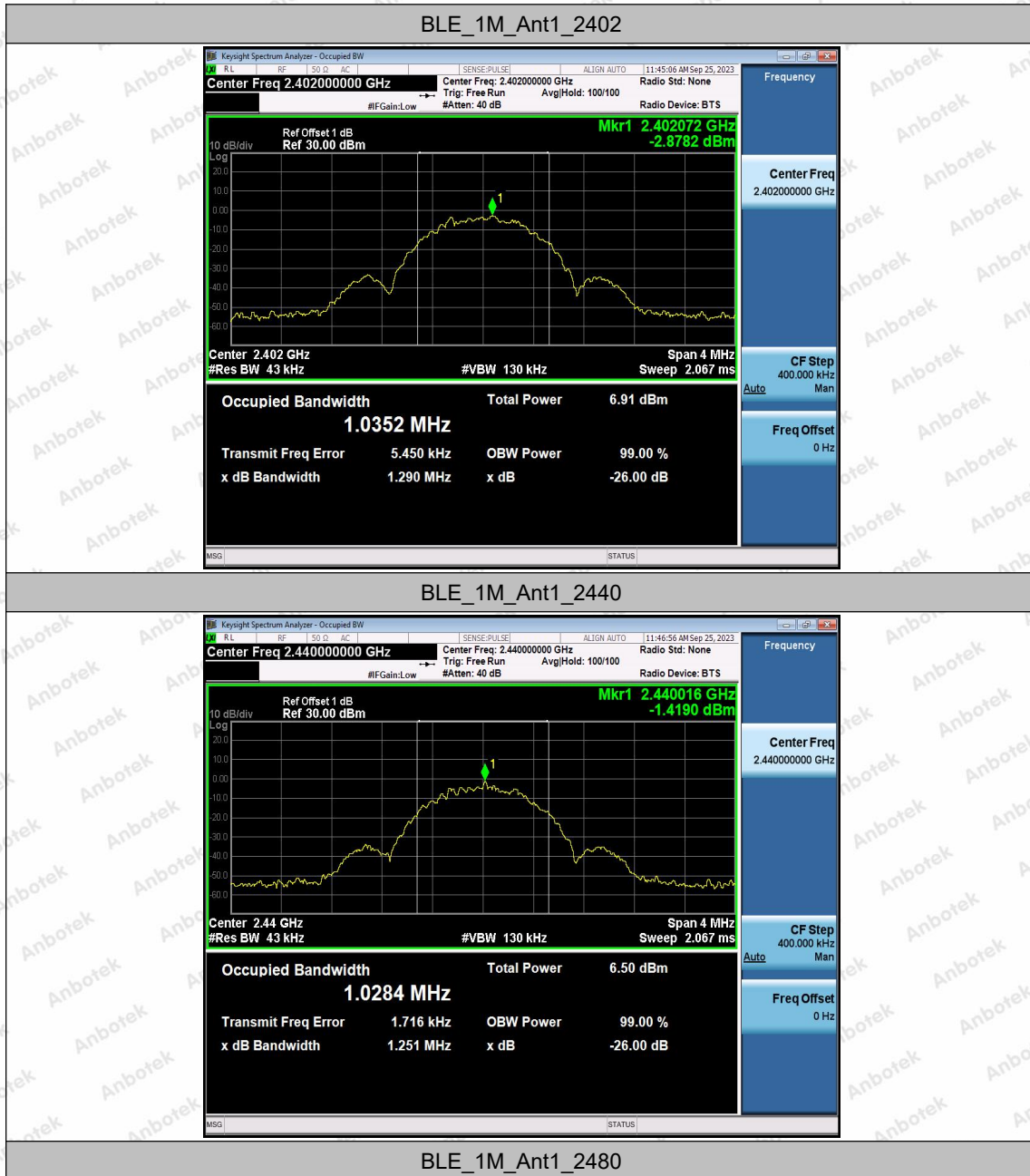
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Test Graphs



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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	0.36	≤30	PASS
		2440	-0.19	≤30	PASS
		2480	-1.32	≤30	PASS

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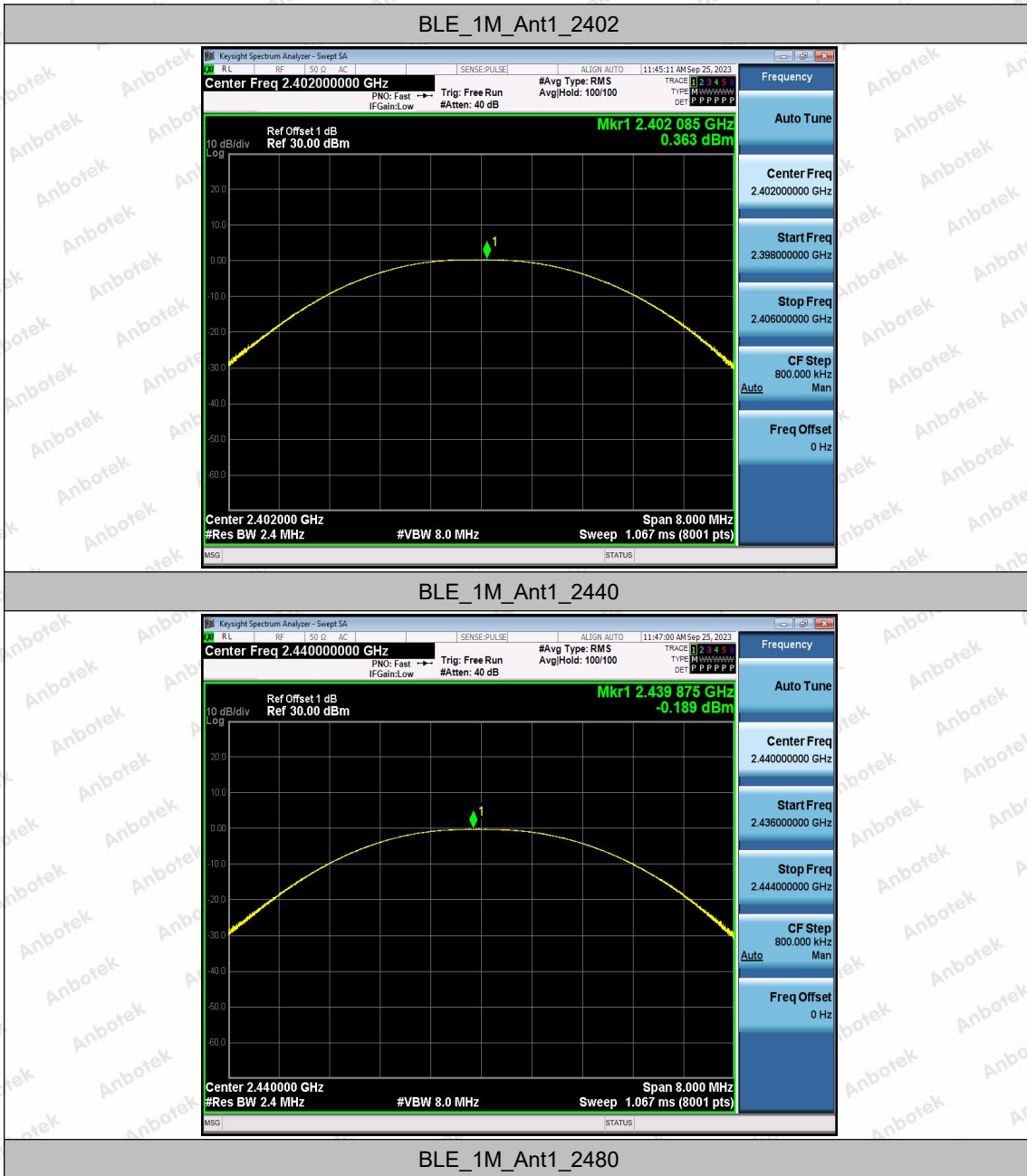
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Test Graphs Peak

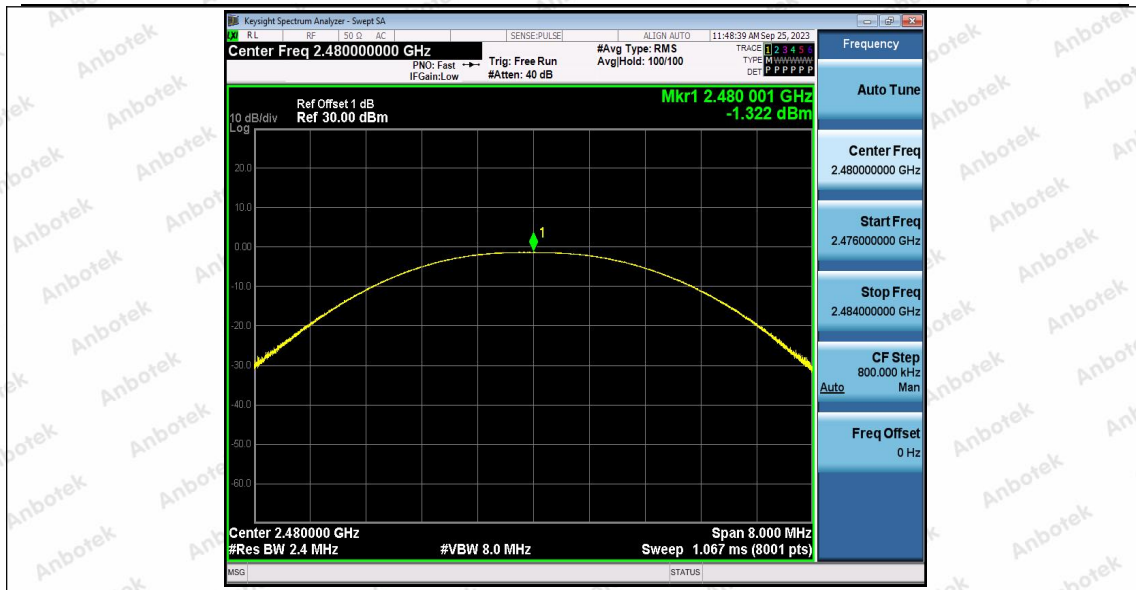


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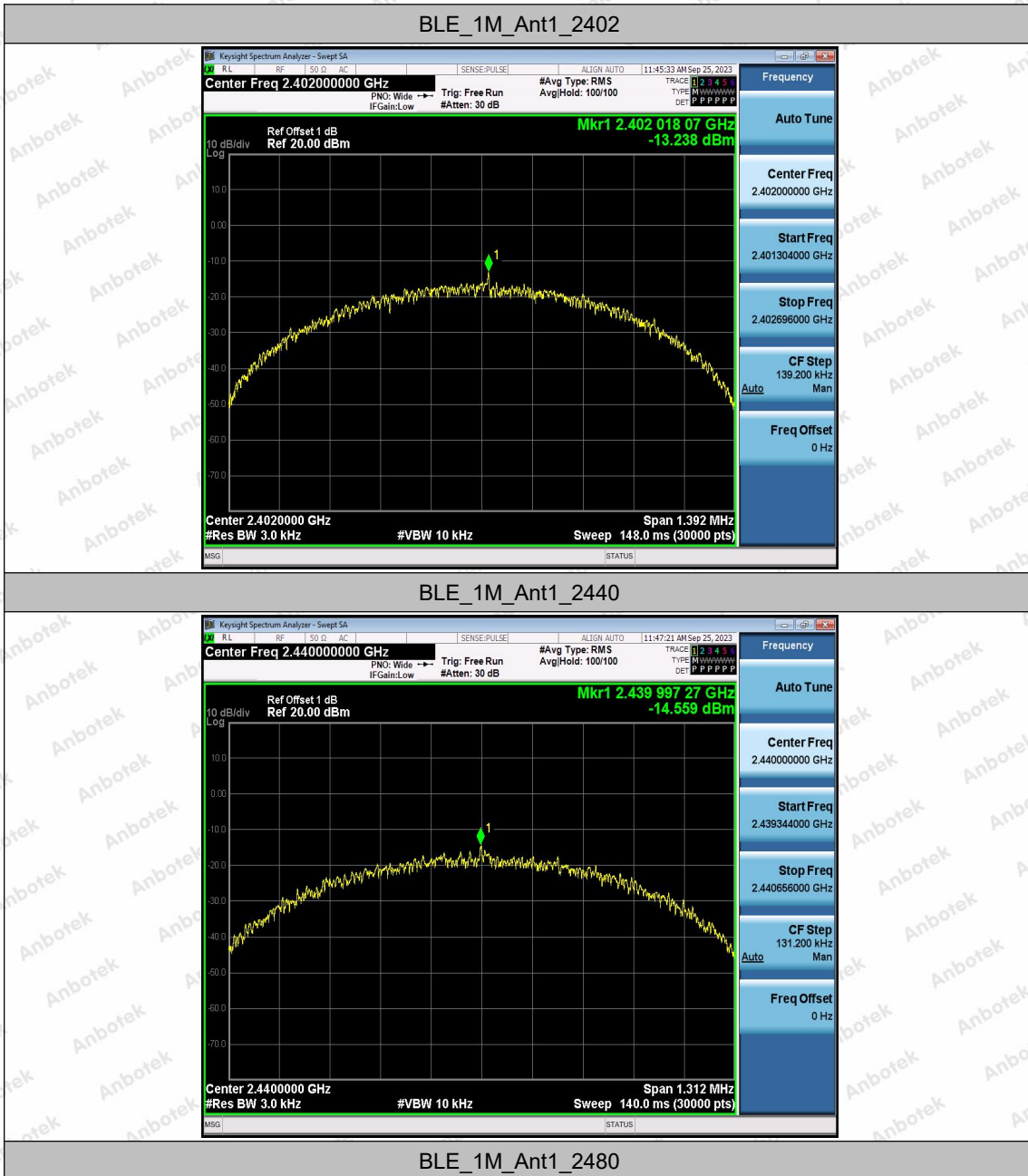
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.24	≤8.00	PASS
		2440	-14.56	≤8.00	PASS
		2480	-16.98	≤8.00	PASS



Test Graphs



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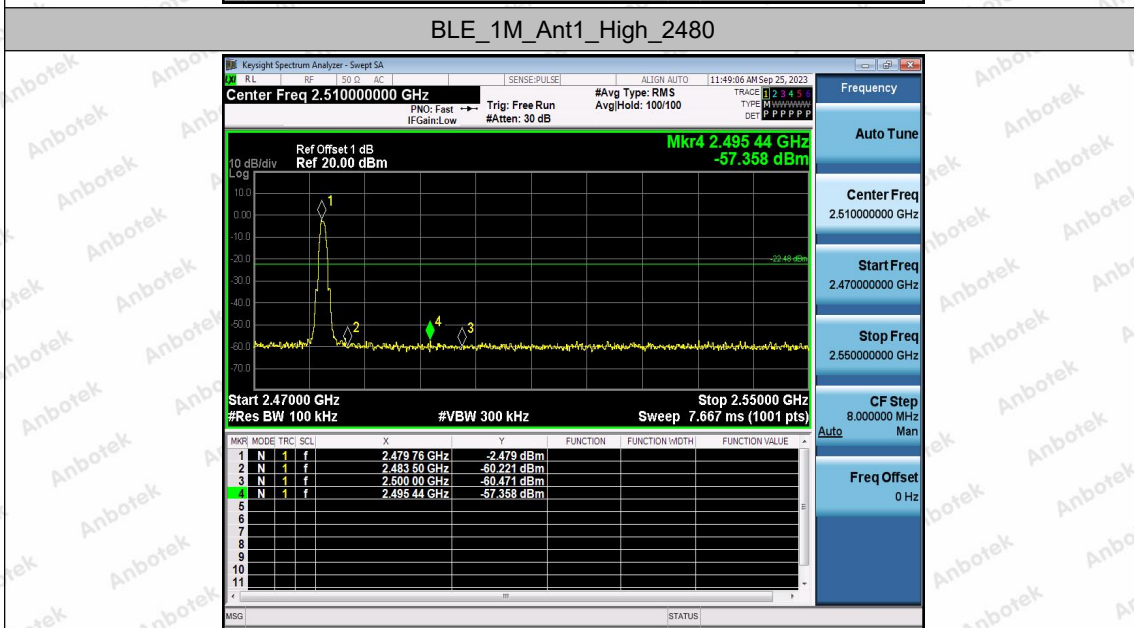
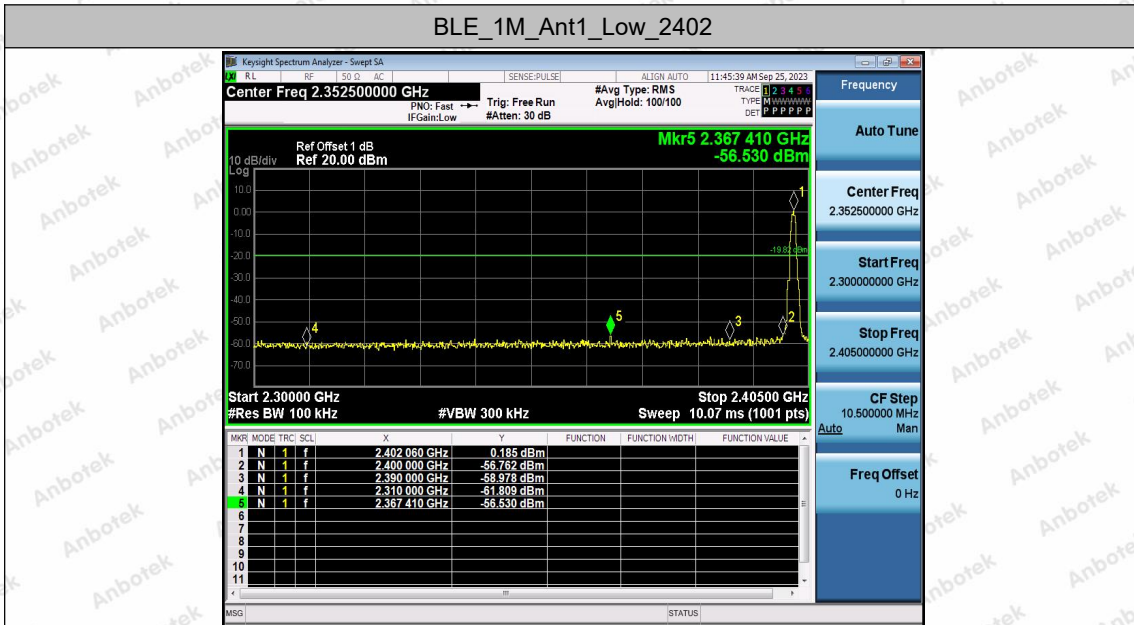
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.19	-56.53	≤-19.82	PASS
		High	2480	-2.48	-57.36	≤-22.48	PASS



Test Graphs



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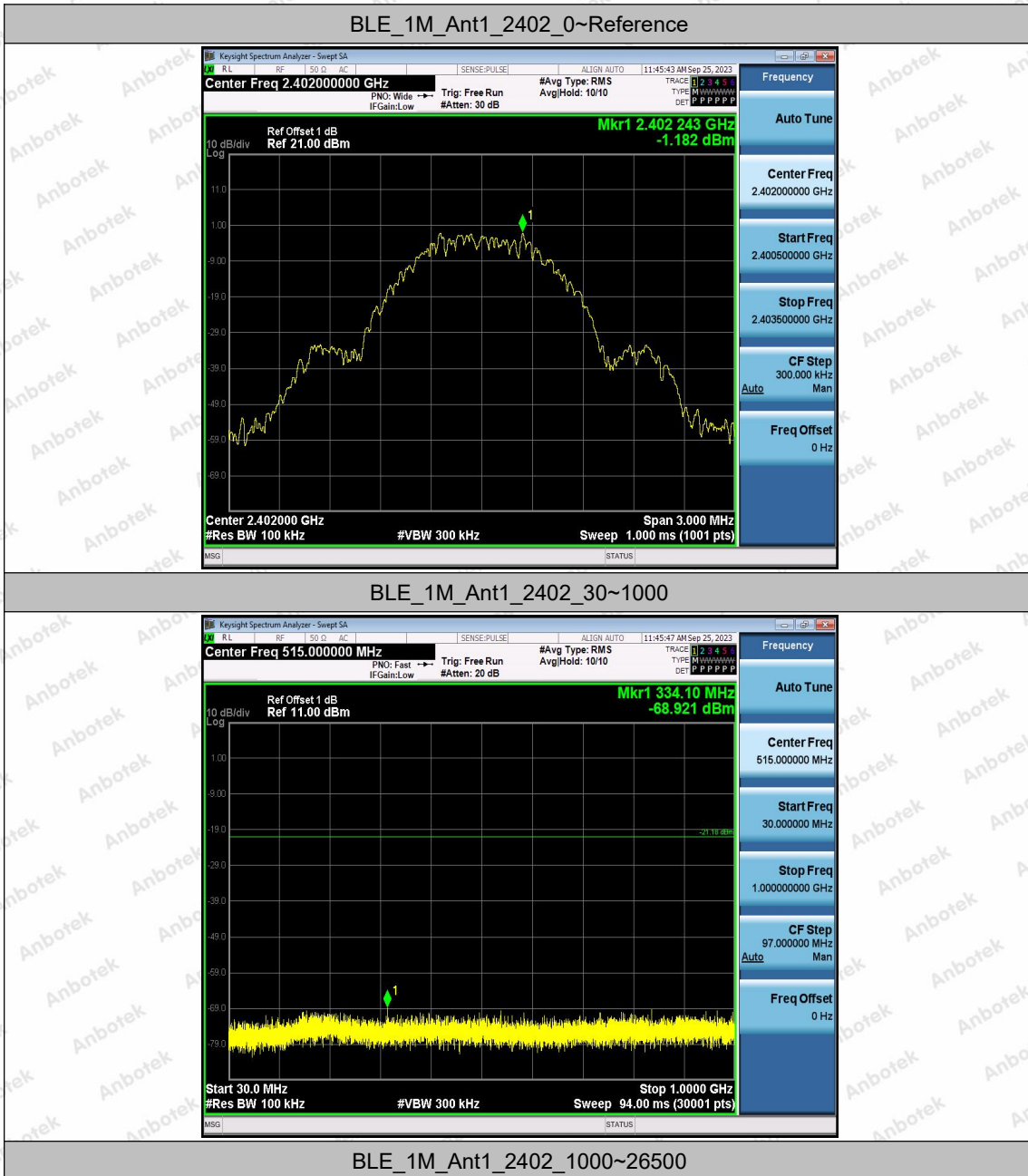
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-68.92	≤-21.18	PASS
			1000~26500	-1.18	-52.46	≤-21.18	PASS
		2440	Reference	-1.70	-1.70	---	PASS
			30~1000	-1.70	-69.13	≤-21.7	PASS
			1000~26500	-1.70	-52.98	≤-21.7	PASS
		2480	Reference	-3.00	-3.00	---	PASS
			30~1000	-3.00	-68.7	≤-23	PASS
			1000~26500	-3.00	-53.54	≤-23	PASS



Test Graphs

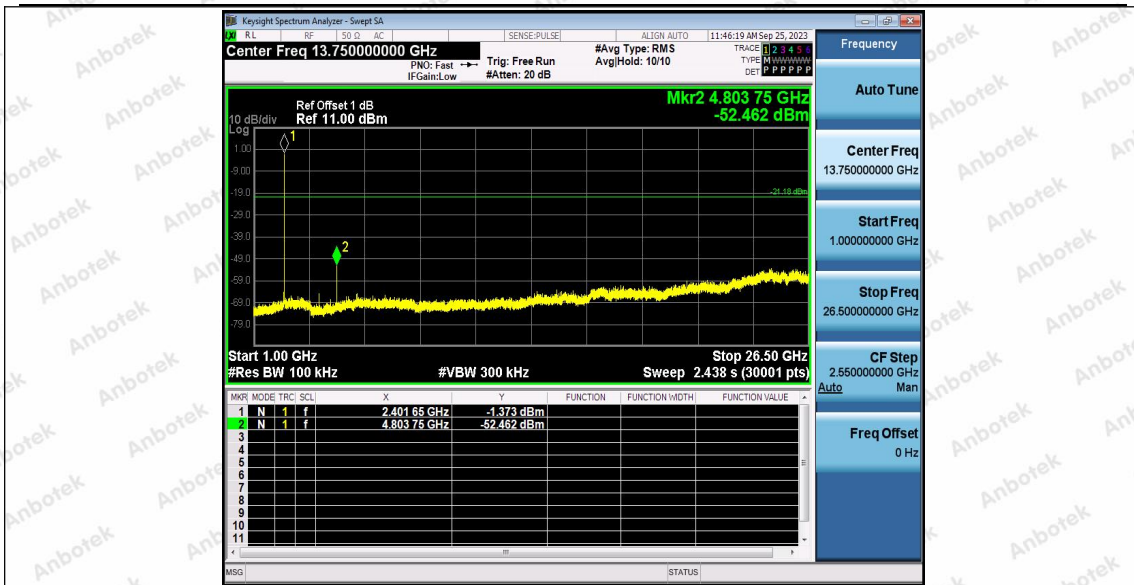


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BLE_1M_Ant1_2440_0~Reference



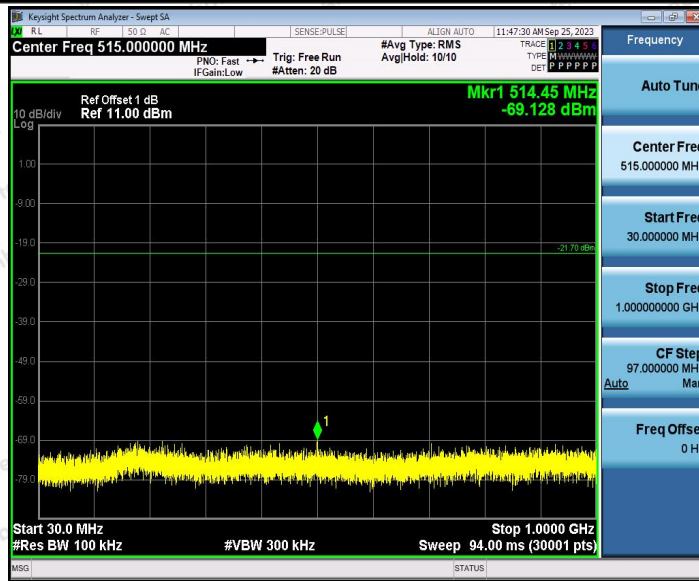
BLE_1M_Ant1_2440_30~1000

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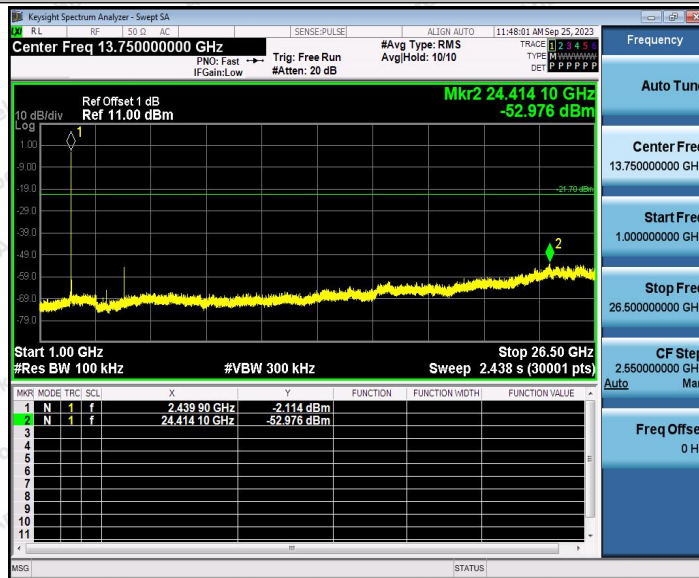
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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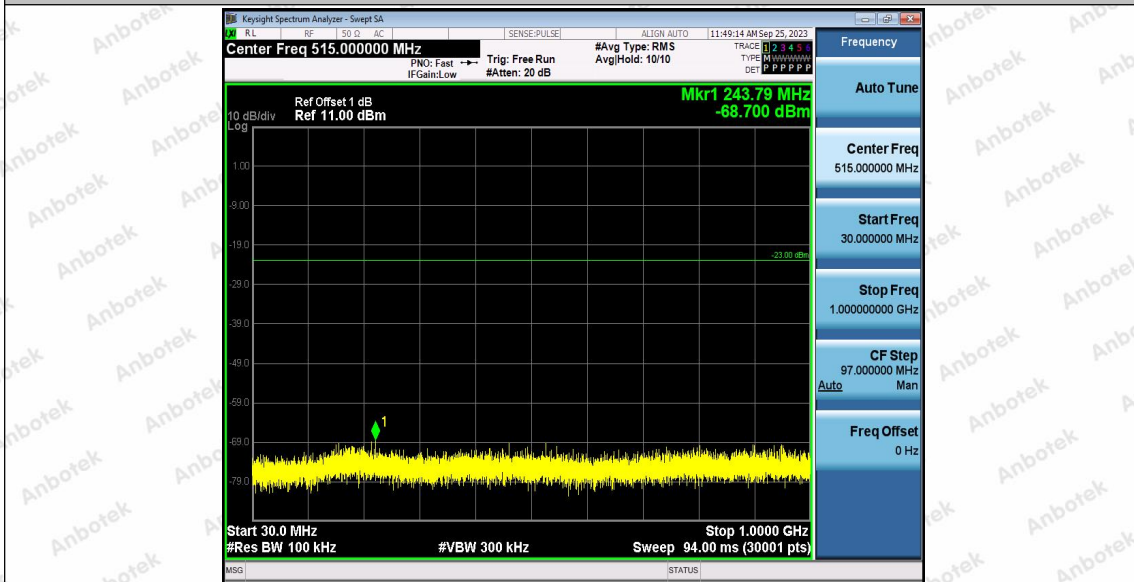
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BLE_1M_Ant1_2480_30~1000



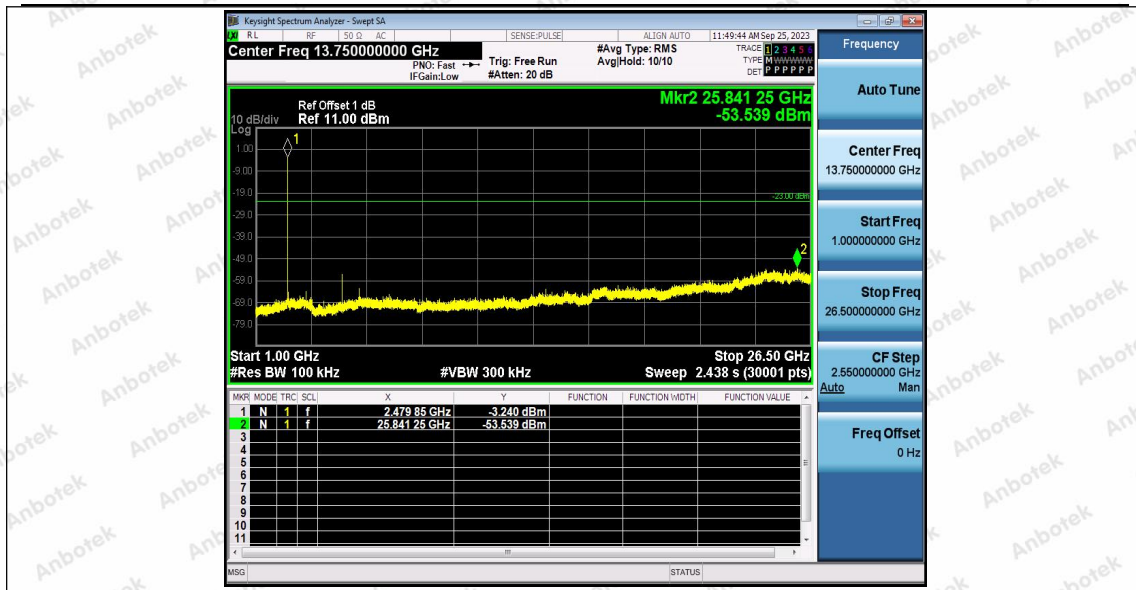
BLE_1M_Ant1_2480_1000~26500

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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	2.14	2.50	85.60	0.68
		2440	2.14	2.50	85.60	0.68
		2480	2.14	2.50	85.60	0.68

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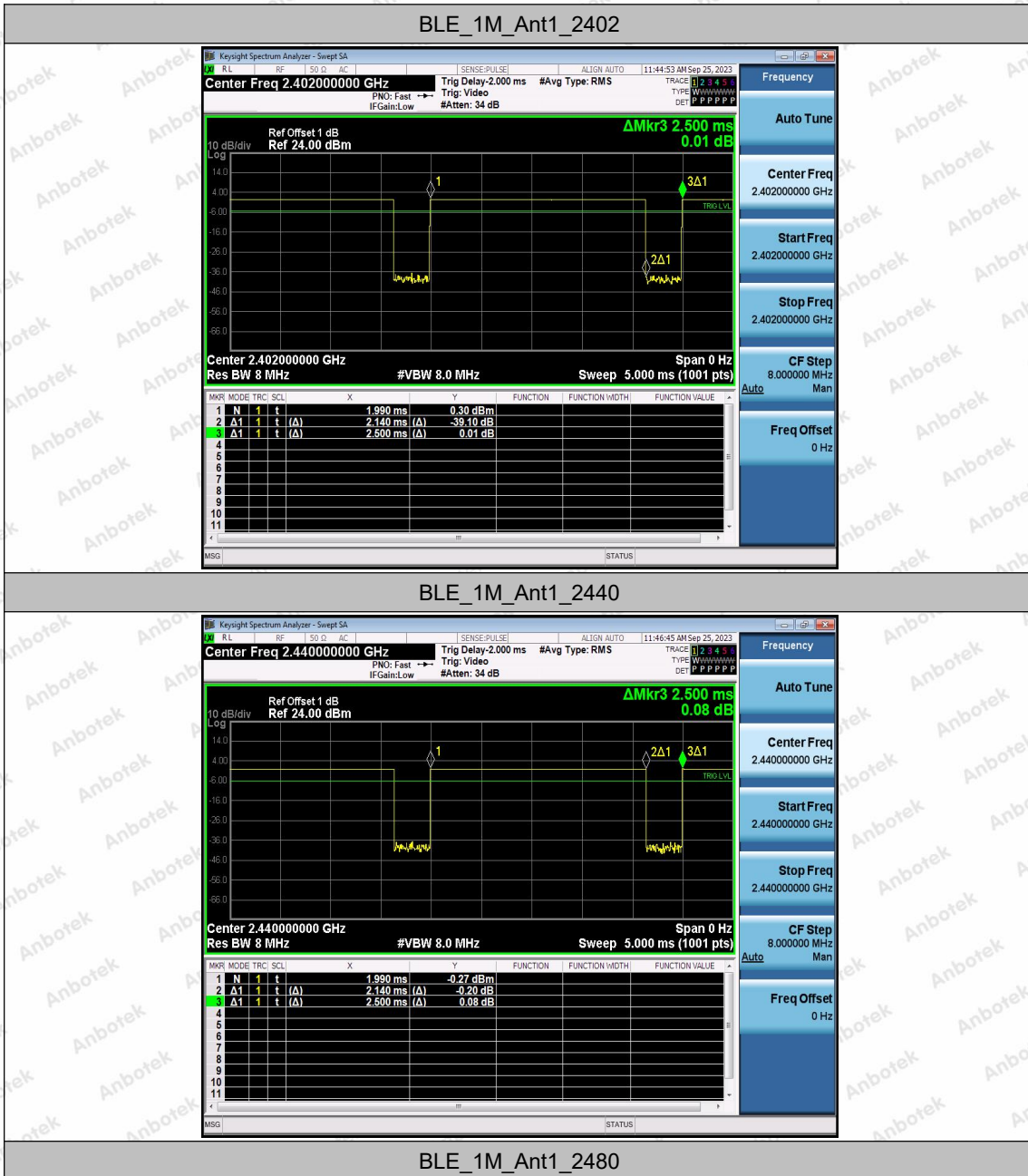
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Test Graphs

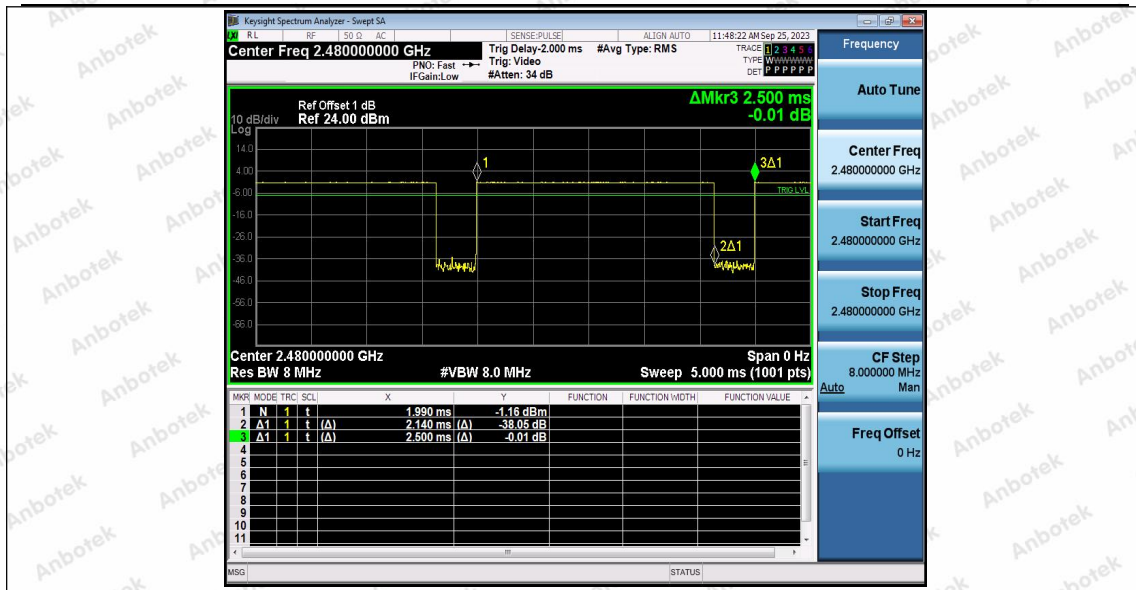


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