

Appendix Test Data

Report No.:	18220WC30052701	Test Sample No.:	1-2-2
Start Test Date:	2023.03.30	Finish Test Date:	2023.04.04
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.0°C	Relative Humidity:	51%
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	0.692	2401.652	2402.344	0.5	PASS
		2440	0.692	2439.648	2440.340	0.5	PASS
		2480	0.692	2479.644	2480.336	0.5	PASS

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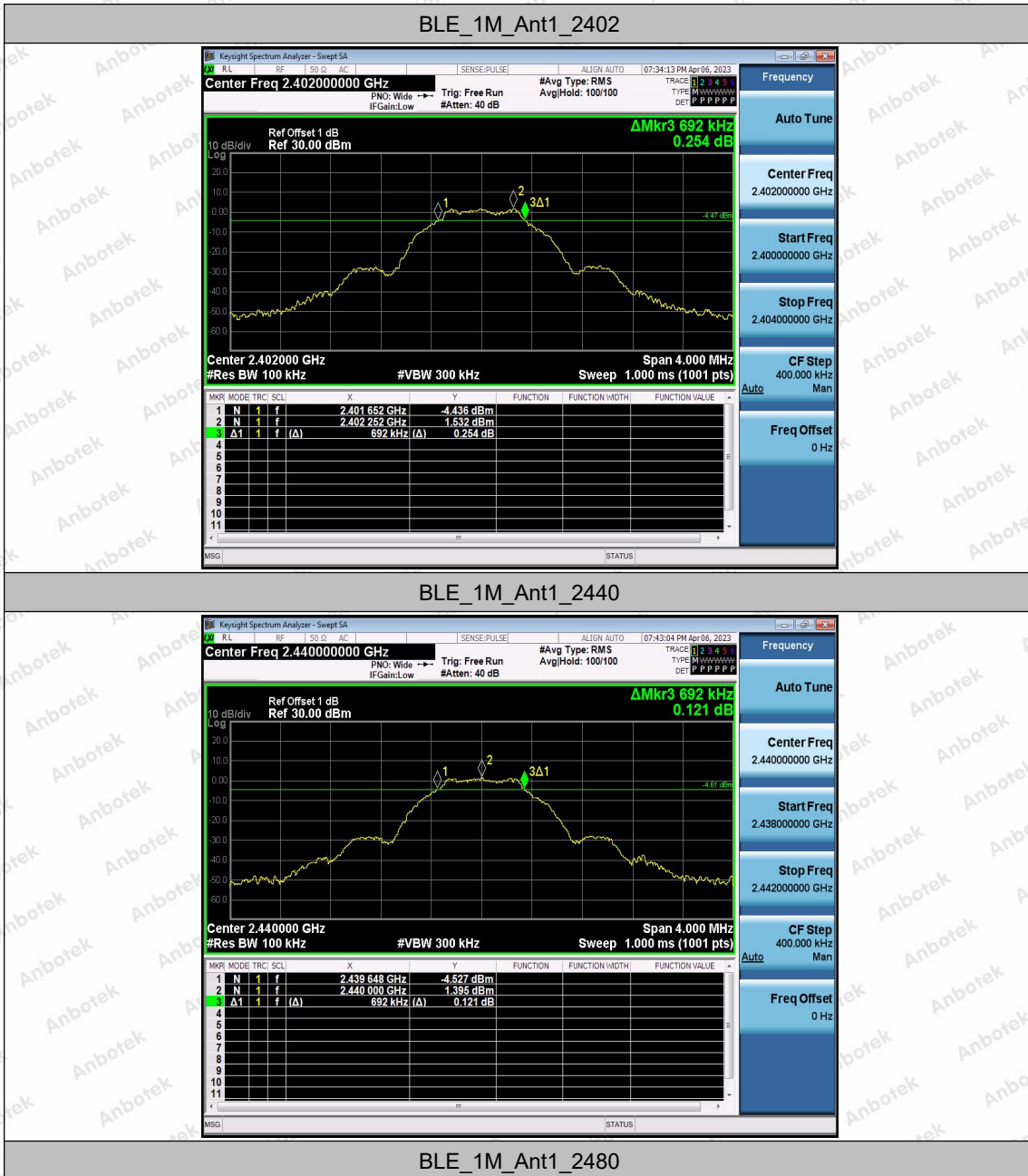
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Test Graphs



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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	1.0251	2401.4973	2402.5224
		2440	1.0263	2439.4953	2440.5216
		2480	1.0340	2479.4932	2480.5272



Test Graphs



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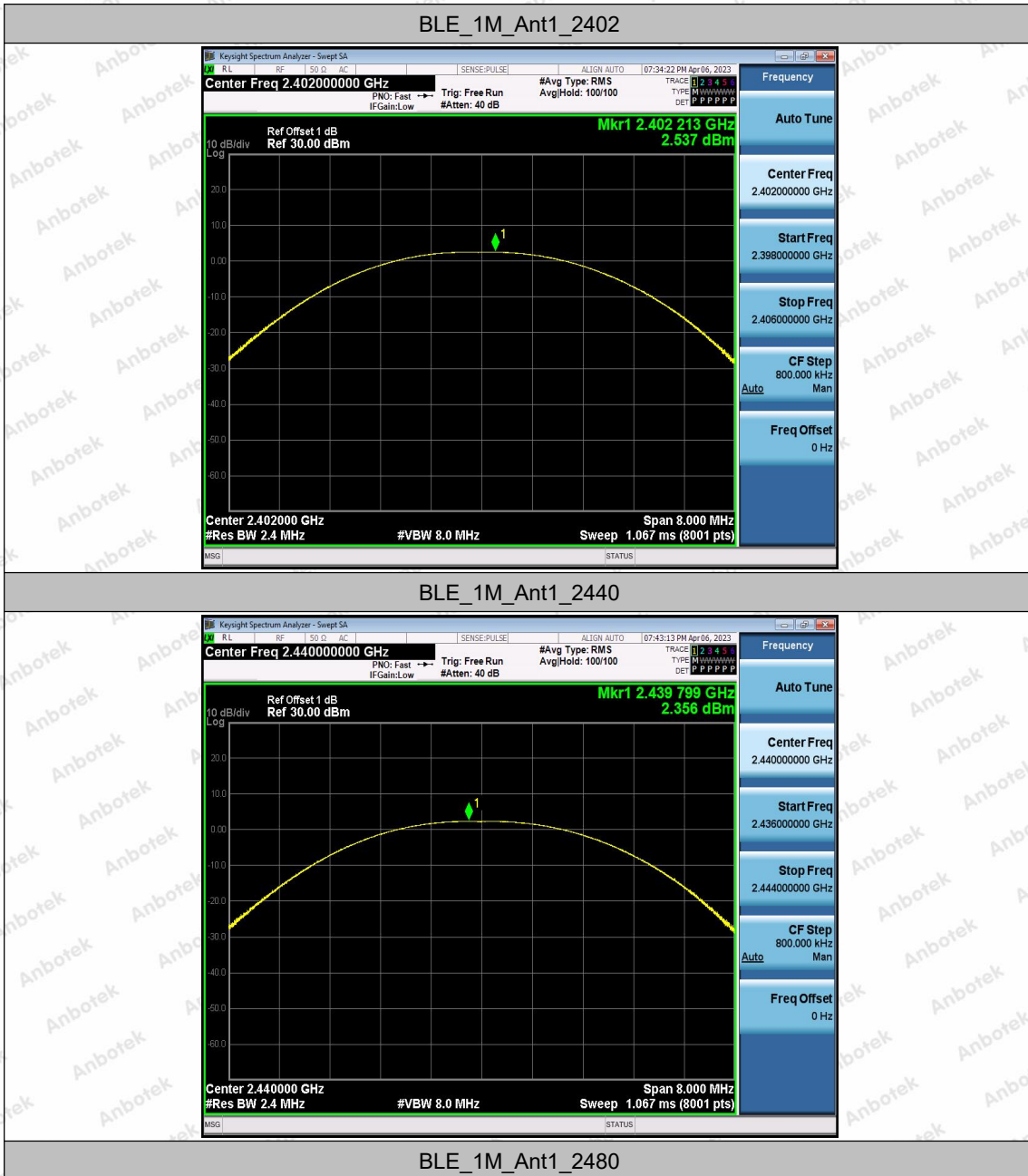
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.54	≤30	PASS
		2440	2.36	≤30	PASS
		2480	1.67	≤30	PASS



Test Graphs Peak

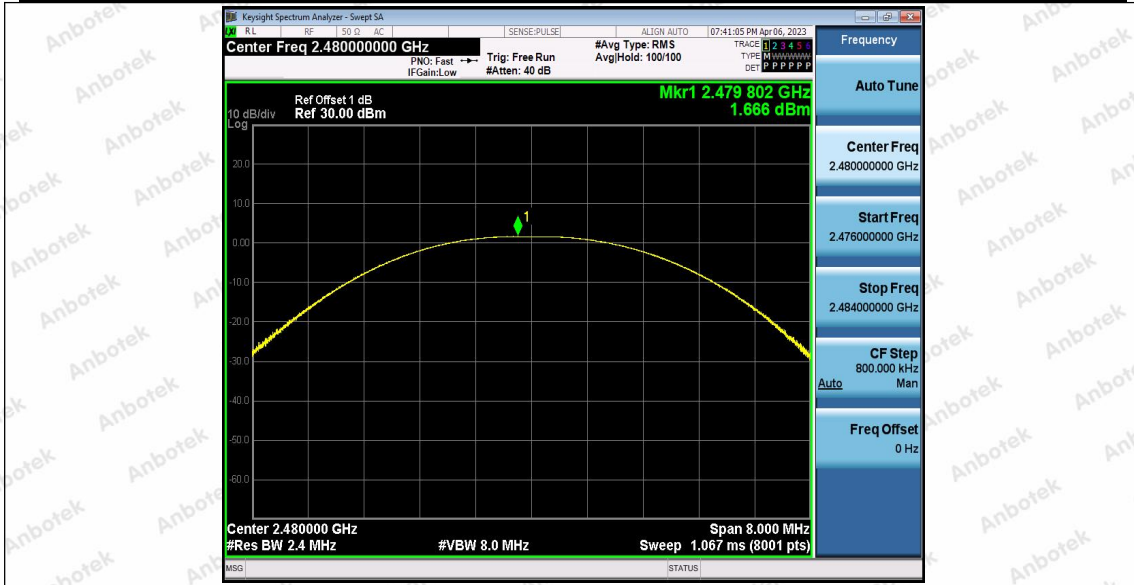


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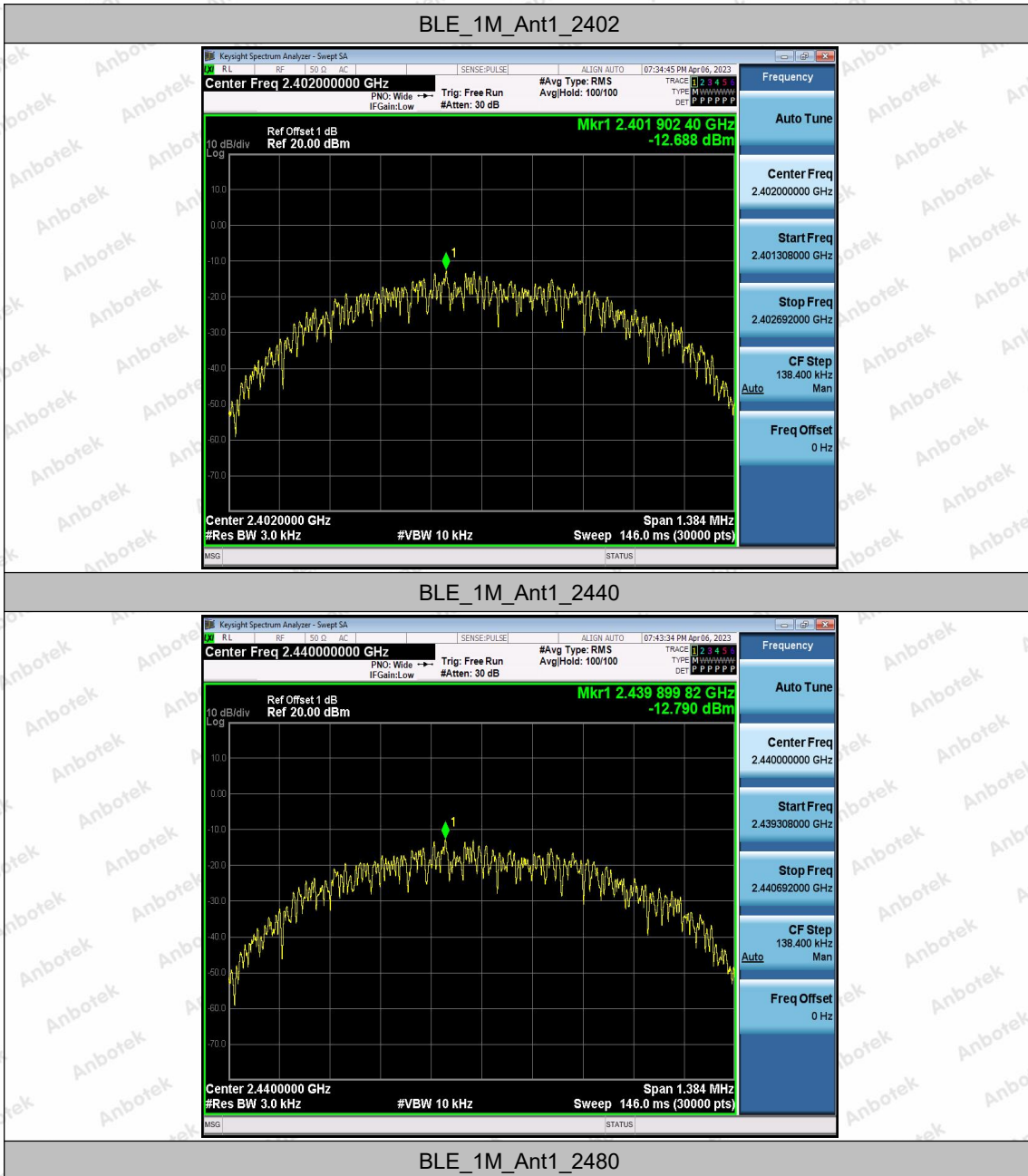
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.69	≤8.00	PASS
		2440	-12.79	≤8.00	PASS
		2480	-13.46	≤8.00	PASS



Test Graphs

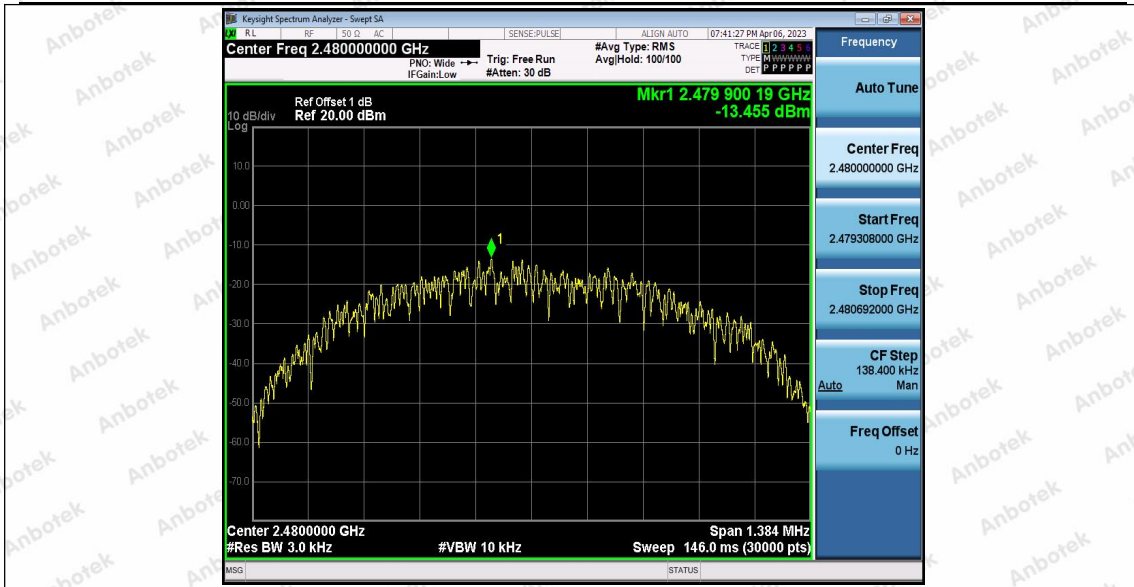


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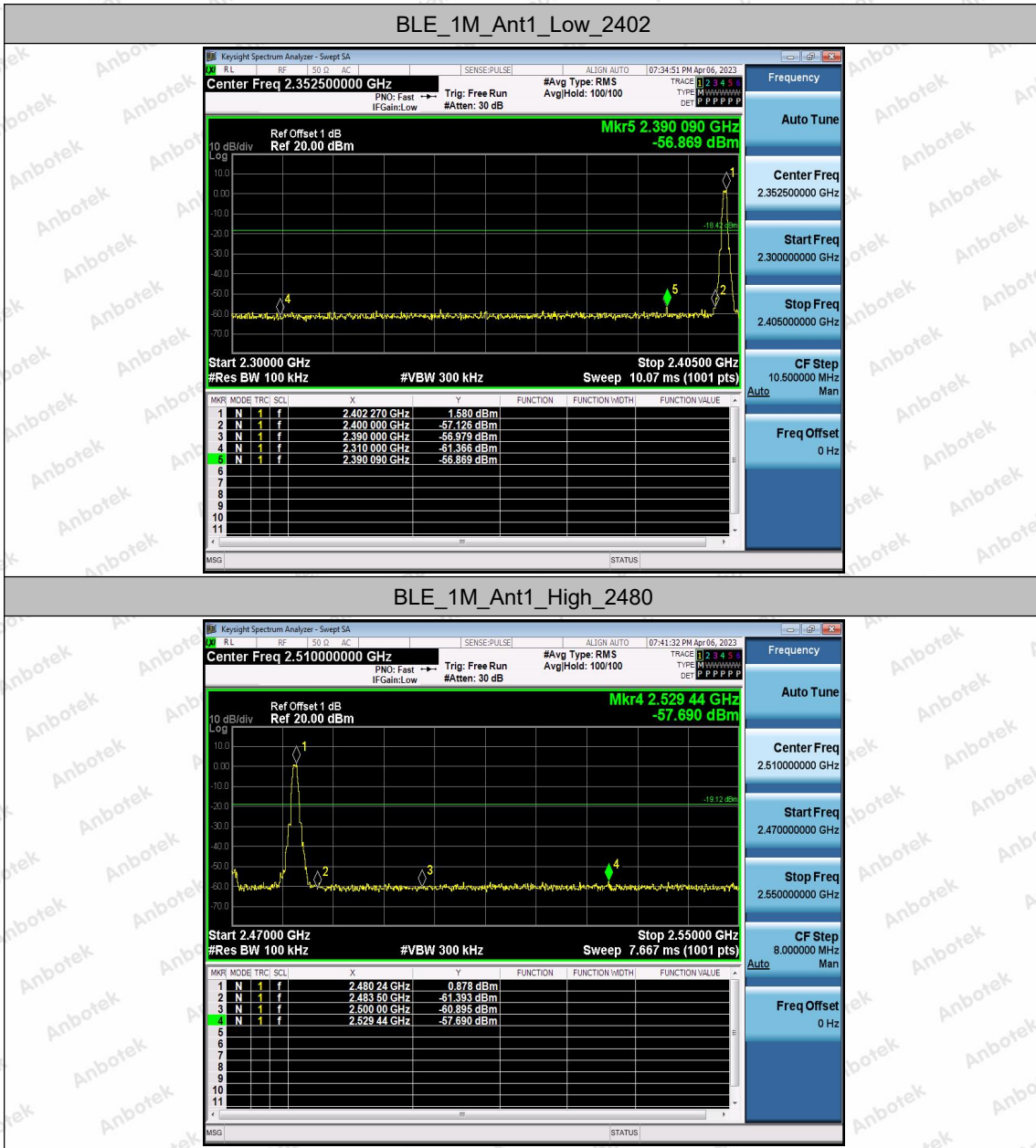
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.58	-56.87	≤-18.42	PASS
		High	2480	0.88	-57.69	≤-19.12	PASS



Test Graphs



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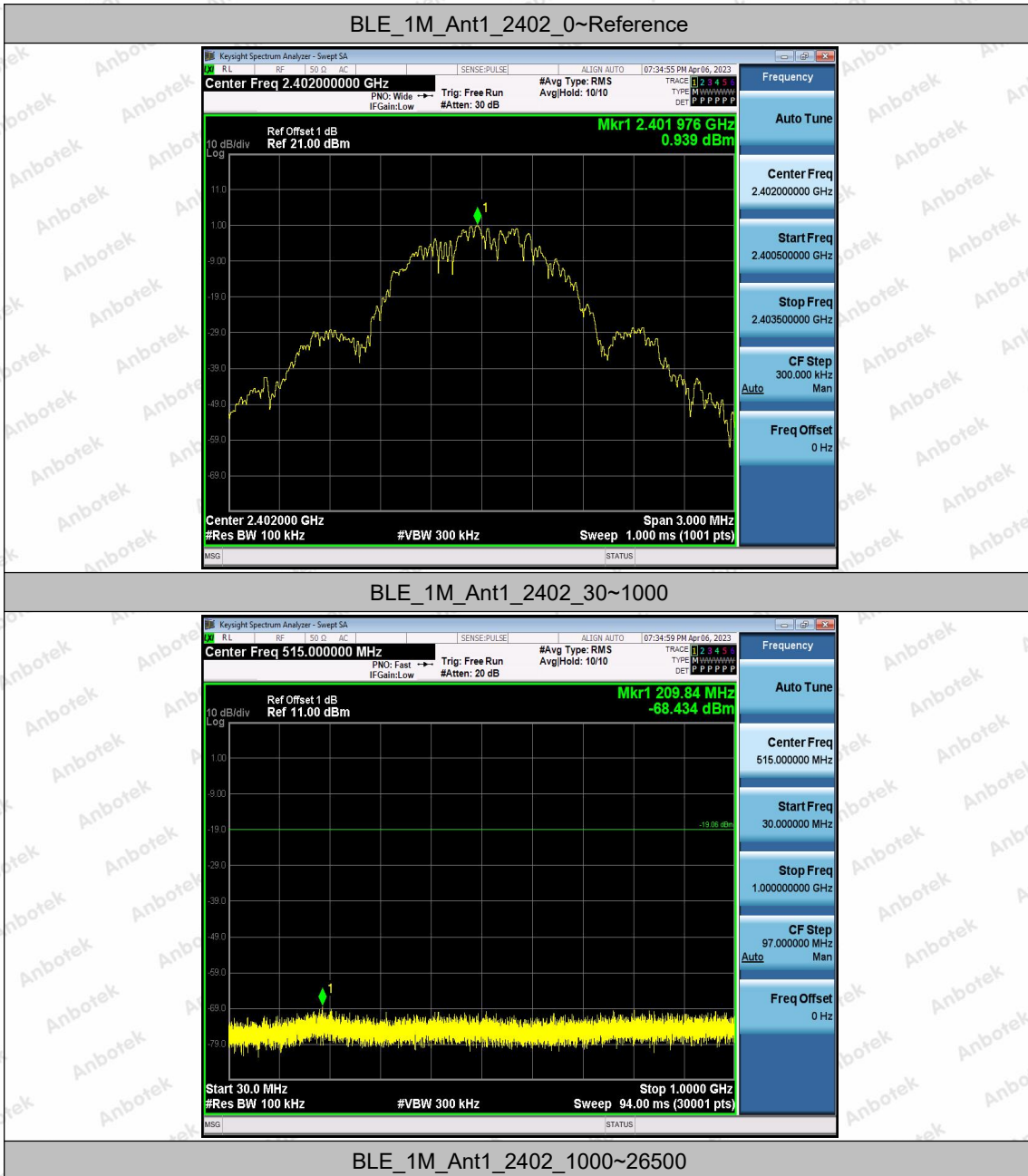
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.94	0.94	---	PASS
			30~1000	0.94	-68.43	≤-19.06	PASS
			1000~26500	0.94	-52.53	≤-19.06	PASS
		2440	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-68.35	≤-18.86	PASS
			1000~26500	1.14	-51.39	≤-18.86	PASS
		2480	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-68.41	≤-19.59	PASS
			1000~26500	0.41	-49.93	≤-19.59	PASS



Test Graphs

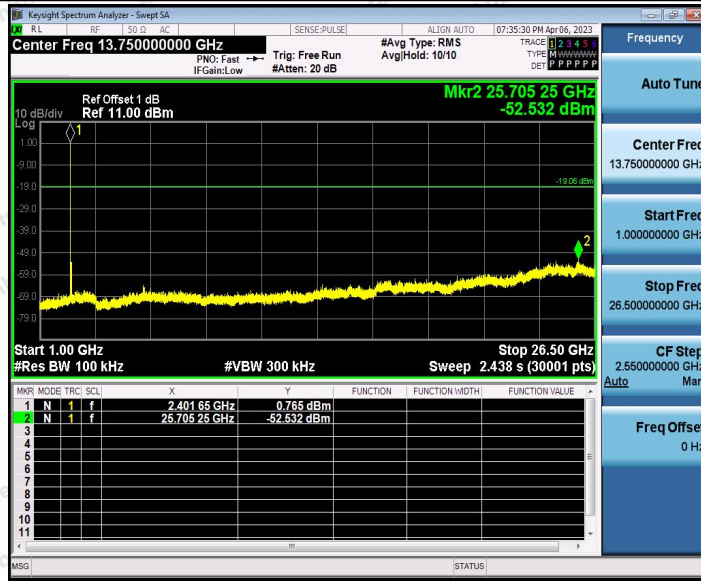


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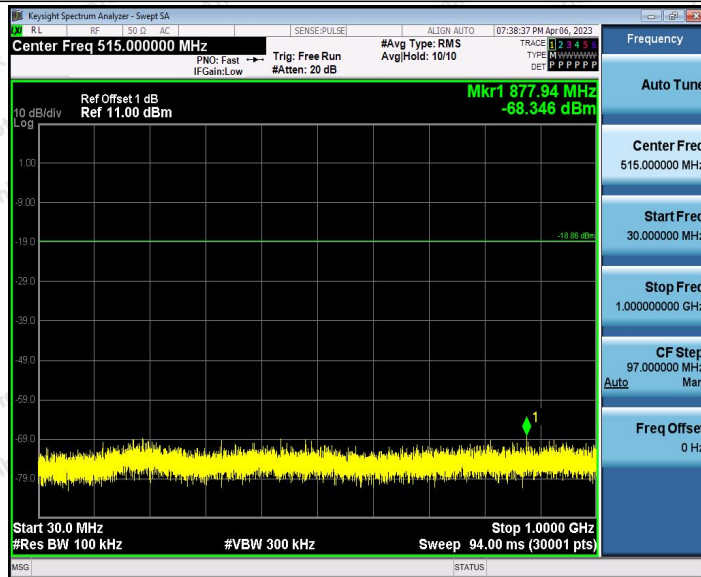




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



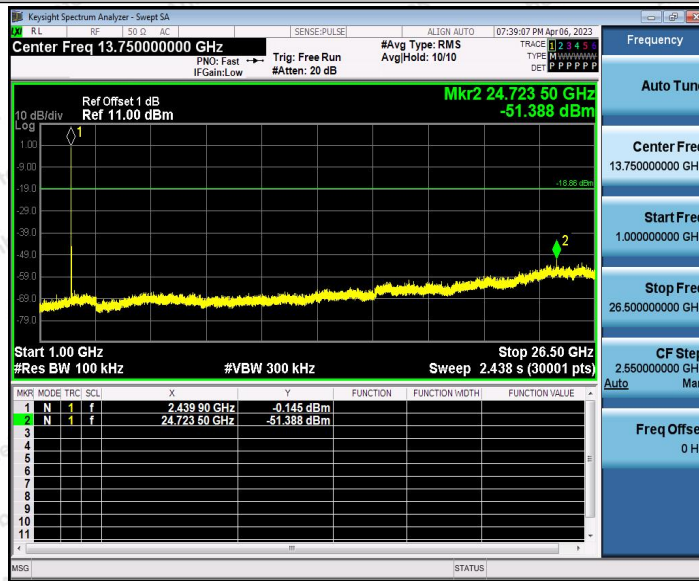
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



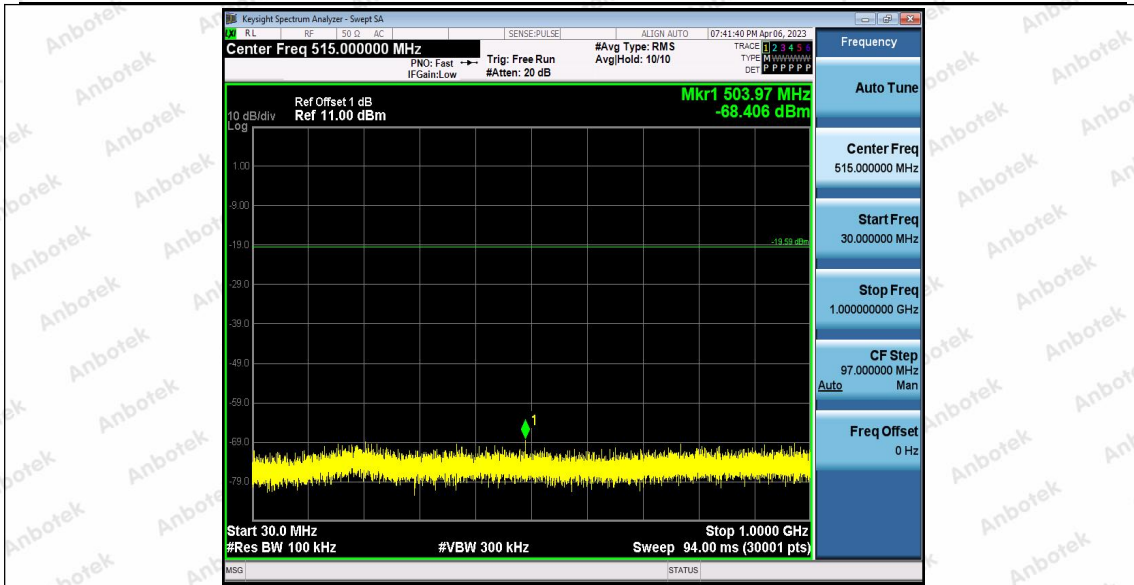
BLE_1M_Ant1_2480_30~1000

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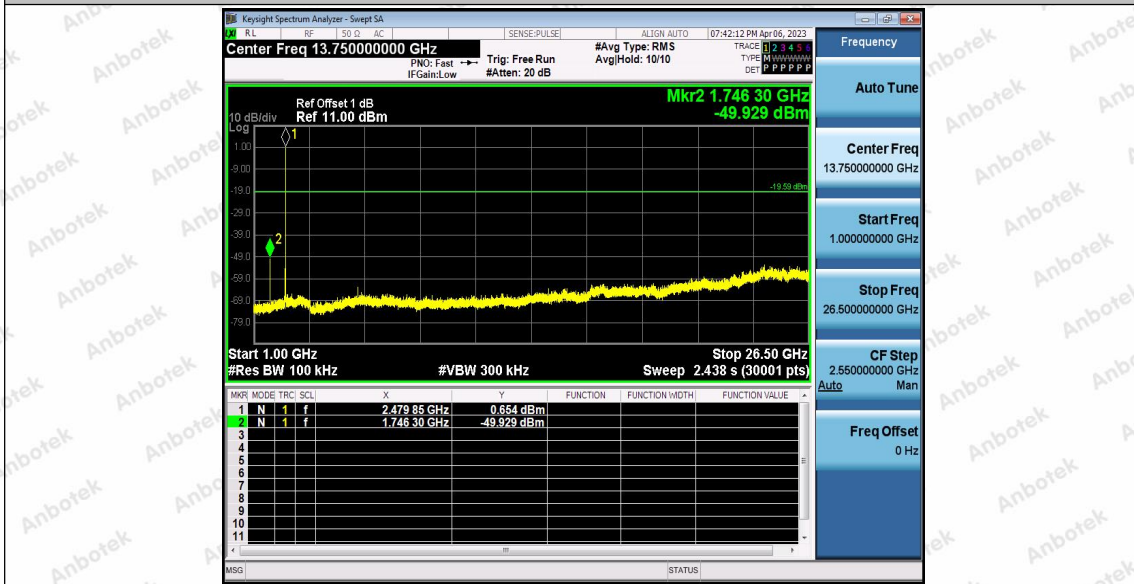
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BLE_1M_Ant1_2480_1000~26500



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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

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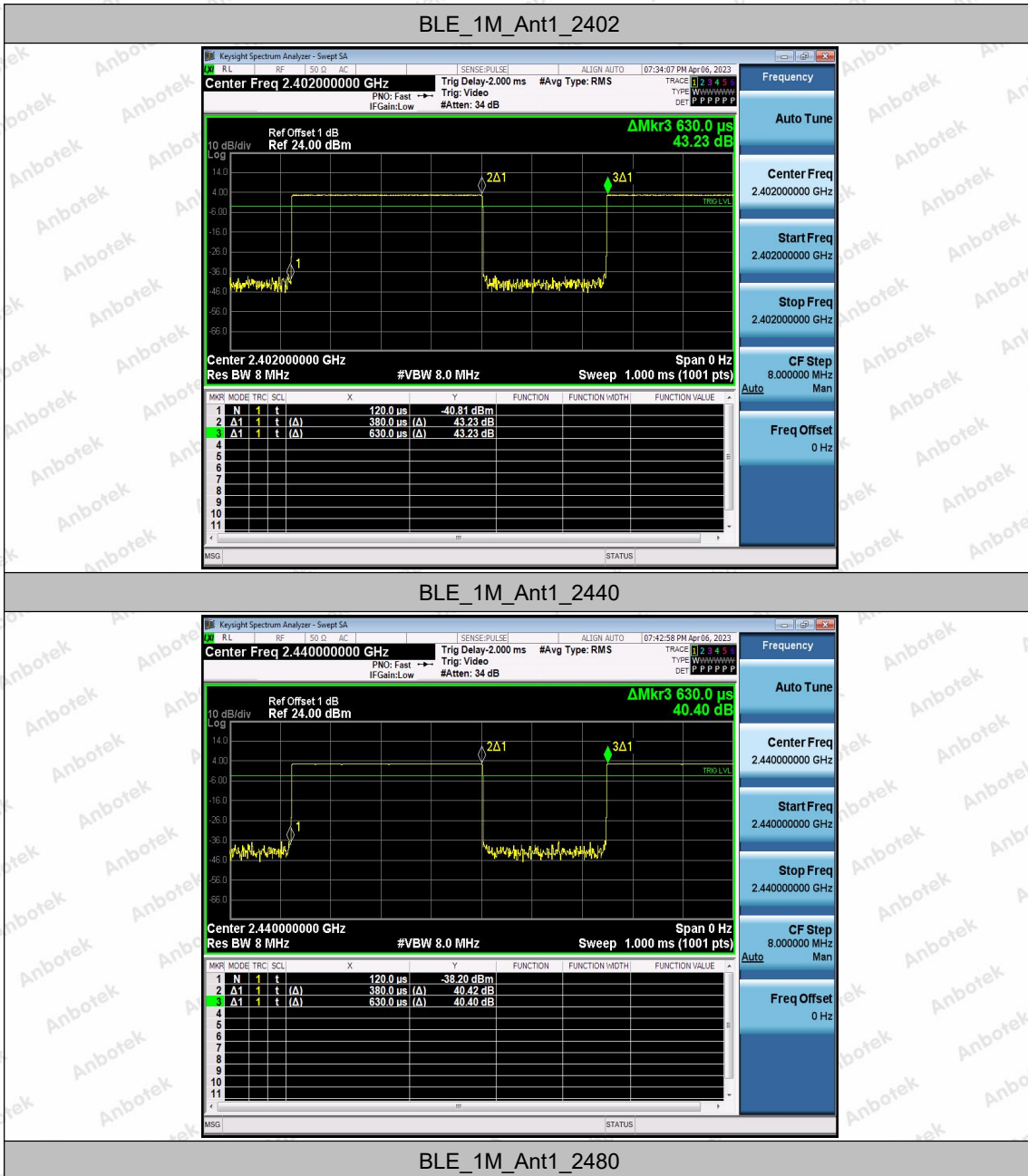
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Test Graphs

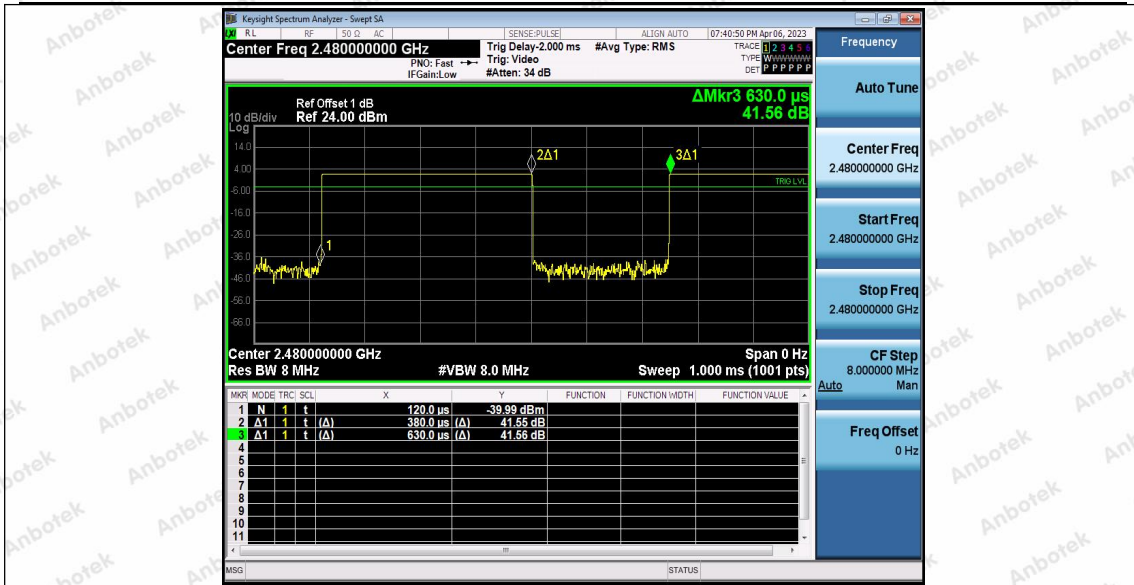


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