

Appendix Test Data

Report No.:	18220WC30024001	Test Sample No.:	1-2-2
Start Test Date:	2023.02.28	Finish Test Date:	2023.02.28
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.7C°	Relative Humidity:	39%
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	0.688	2401.680	2402.368	0.5	PASS
		2440	0.704	2439.668	2440.372	0.5	PASS
		2480	0.692	2479.680	2480.372	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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Hotline
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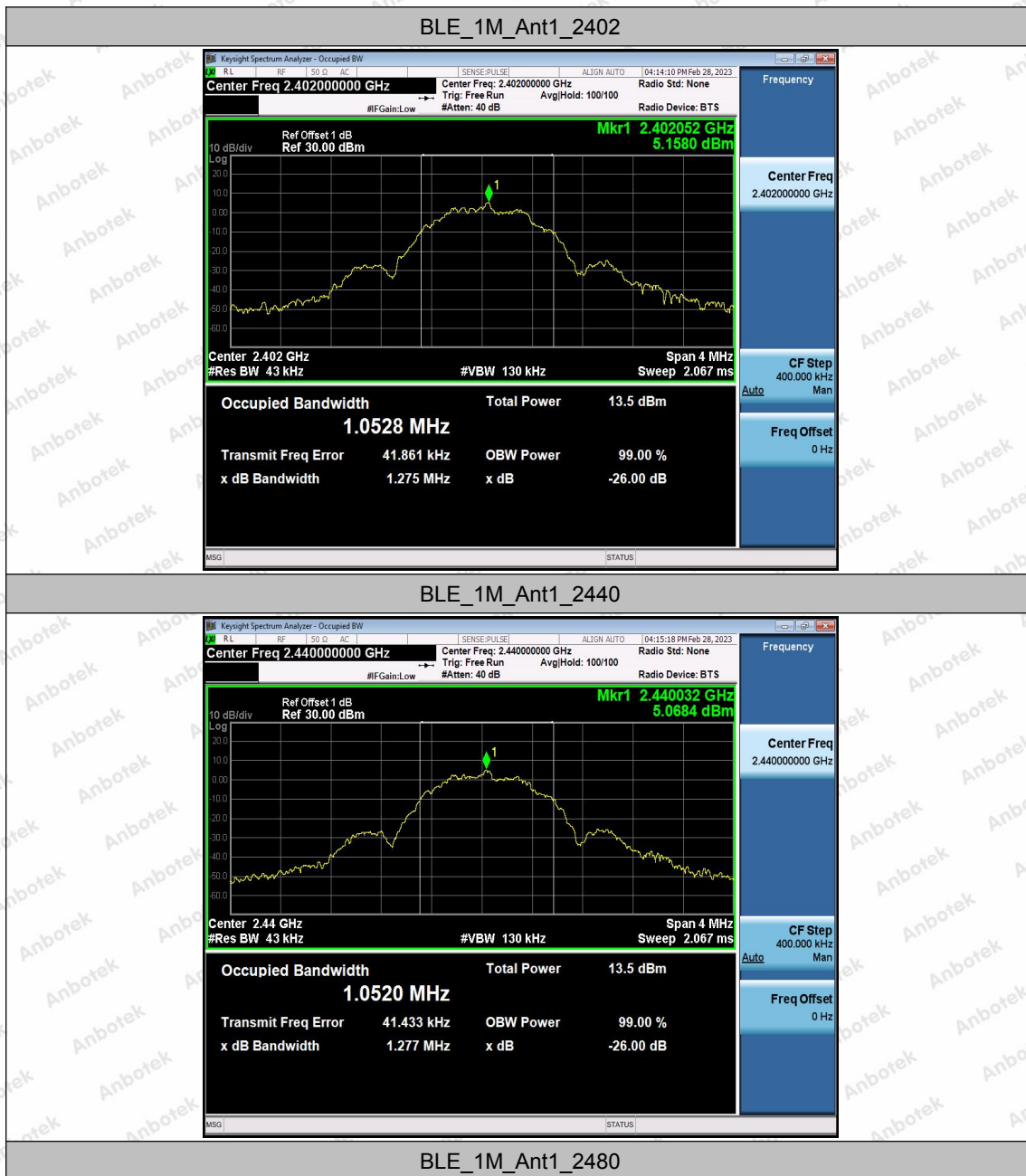
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0528	2401.5155	2402.5683
		2440	1.0520	2439.5154	2440.5674
		2480	1.0497	2479.5142	2480.5639



Test Graphs



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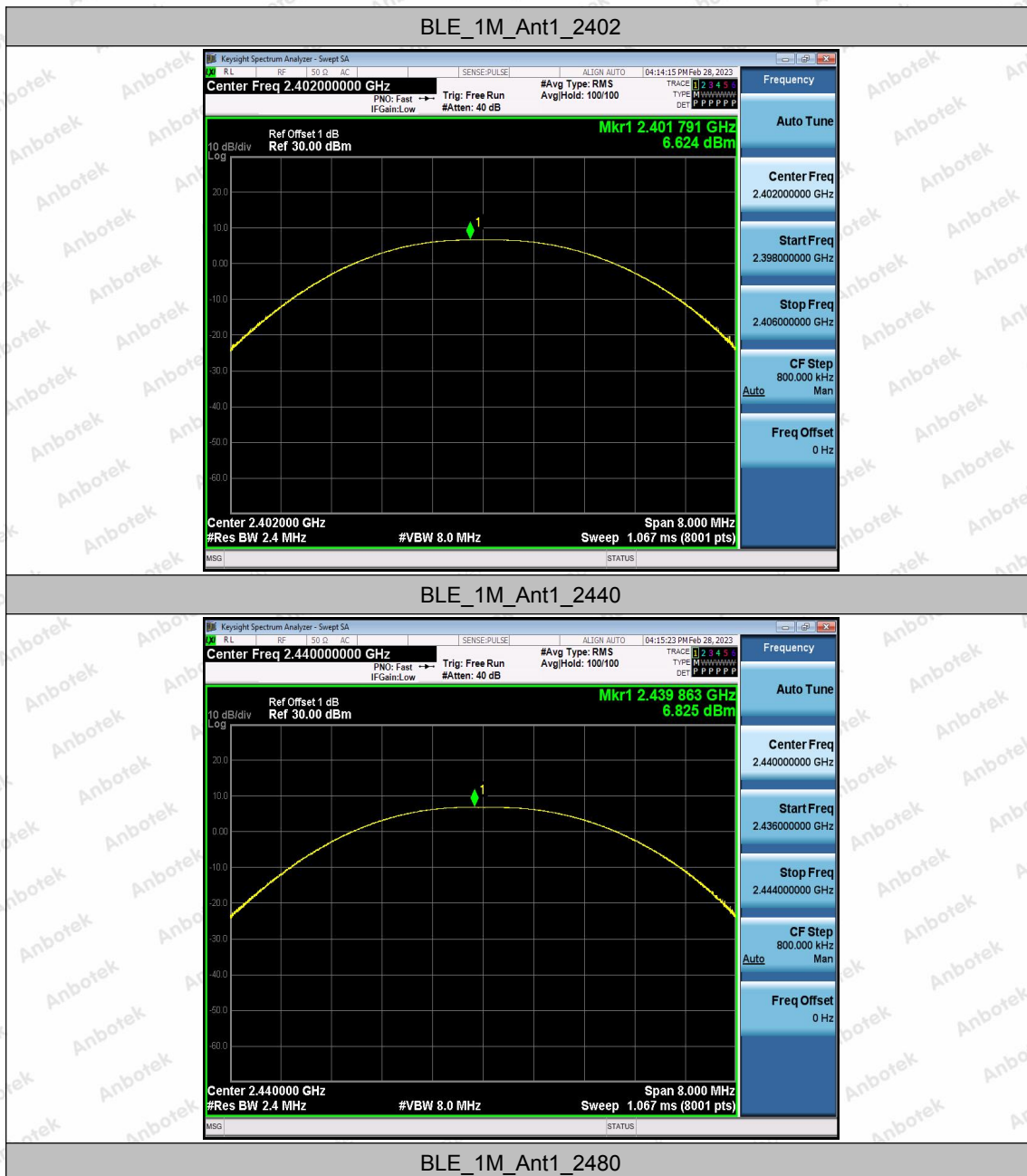
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.62	≤30	PASS
		2440	6.83	≤30	PASS
		2480	6.48	≤30	PASS



Test Graphs Peak



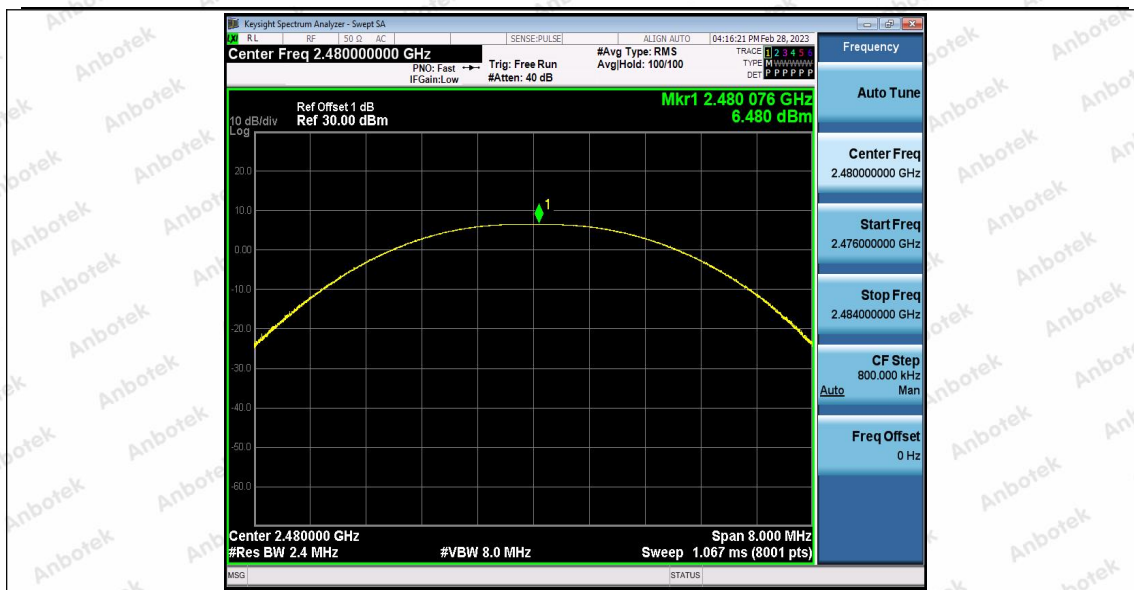
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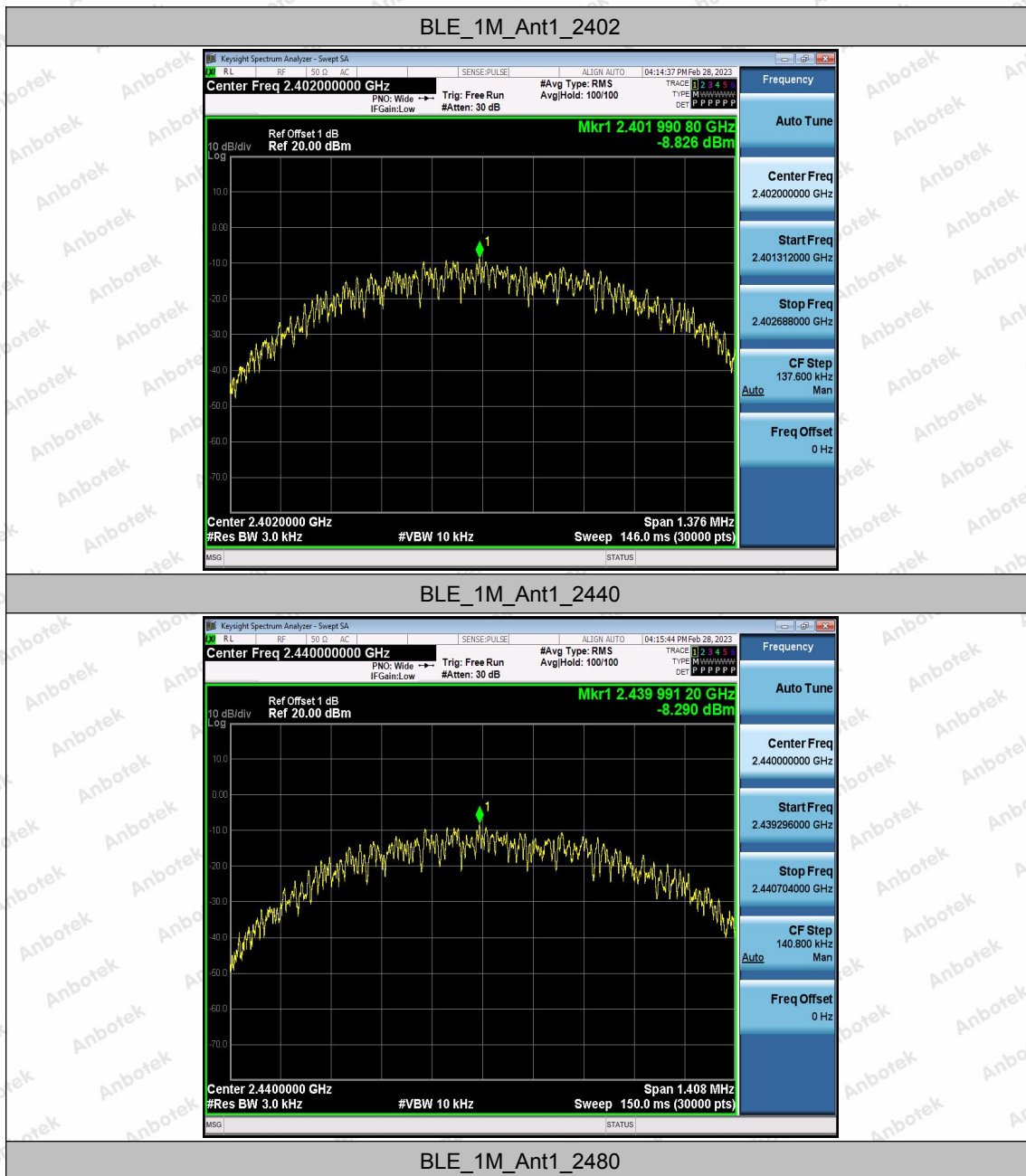
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.83	≤8.00	PASS
		2440	-8.29	≤8.00	PASS
		2480	-8.92	≤8.00	PASS



Test Graphs



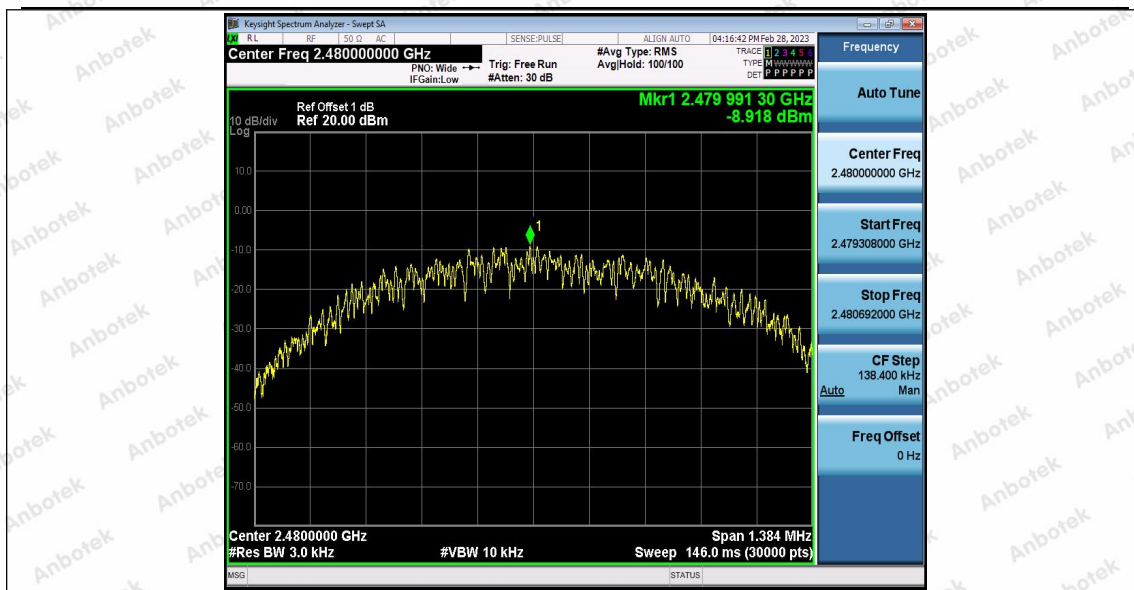
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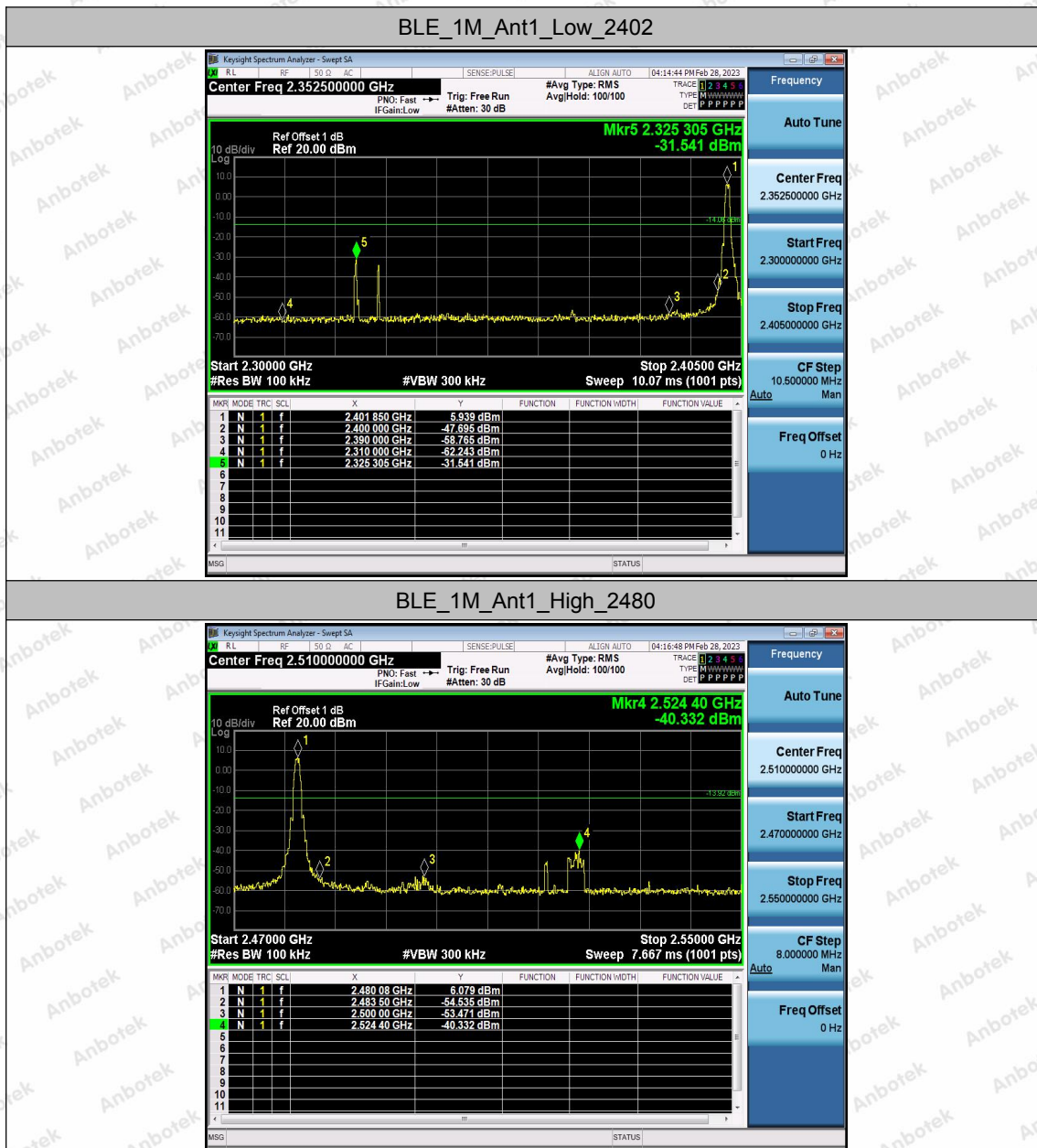
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.94	-31.54	≤-14.06	PASS
		High	2480	6.08	-40.33	≤-13.92	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	4.05	4.05	---	PASS
			30~1000	4.05	-48.51	≤-15.95	PASS
			1000~26500	4.05	-41.62	≤-15.95	PASS
		2440	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-49.32	≤-15.4	PASS
			1000~26500	4.60	-16.22	≤-15.4	PASS
		2480	Reference	4.11	4.11	---	PASS
			30~1000	4.11	-49.41	≤-15.89	PASS
			1000~26500	4.11	-47.28	≤-15.89	PASS

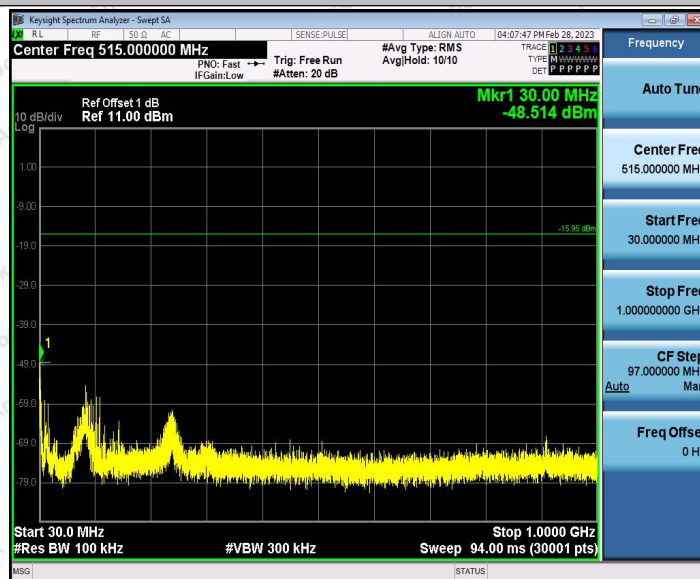


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

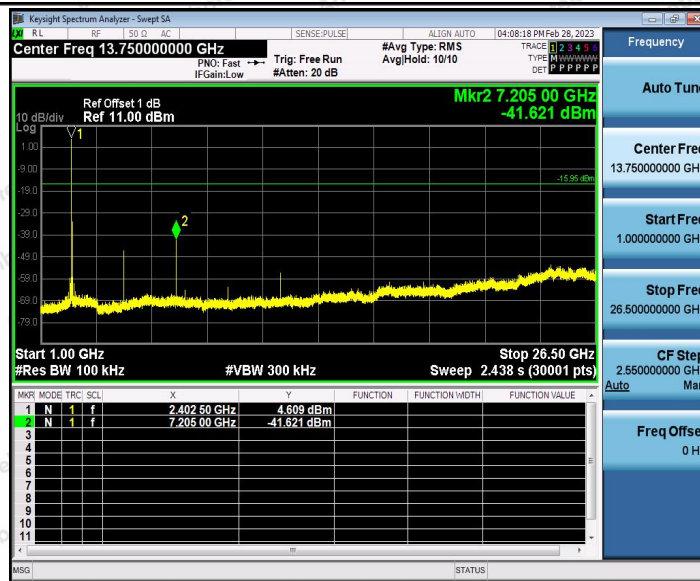
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

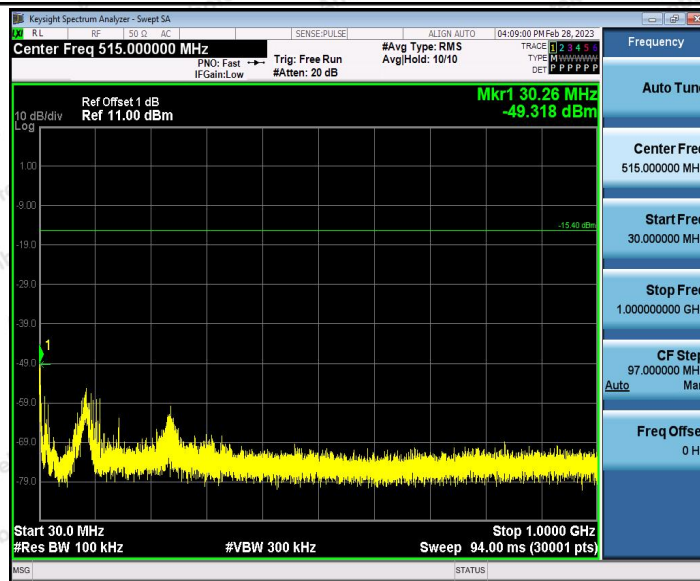
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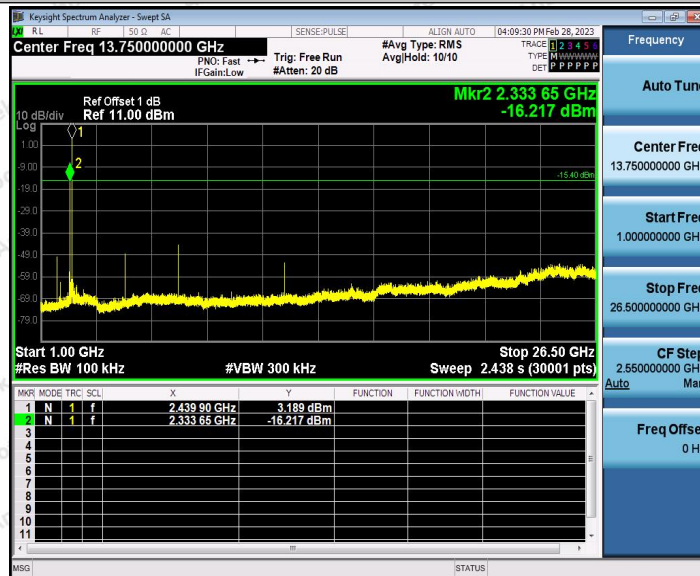


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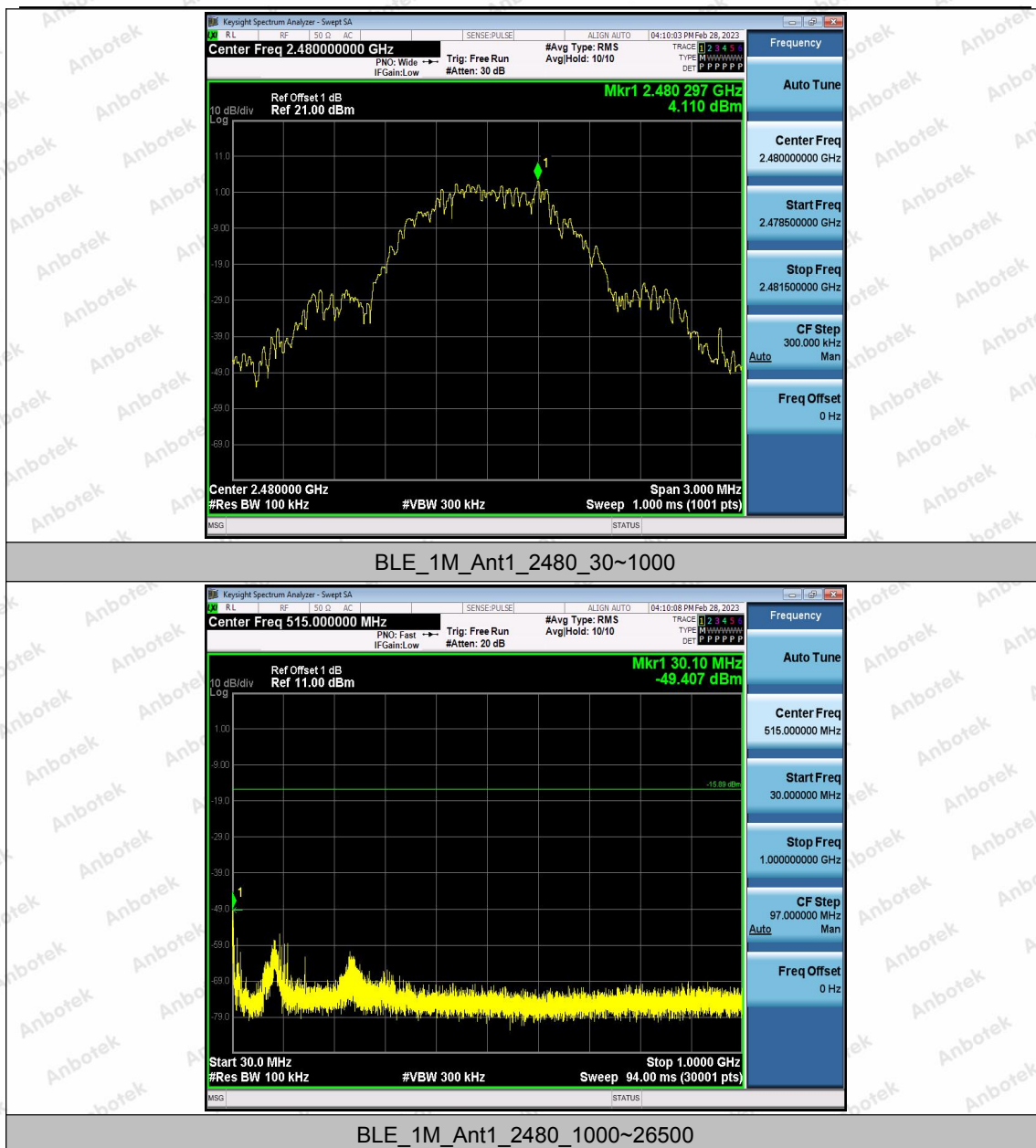


BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference





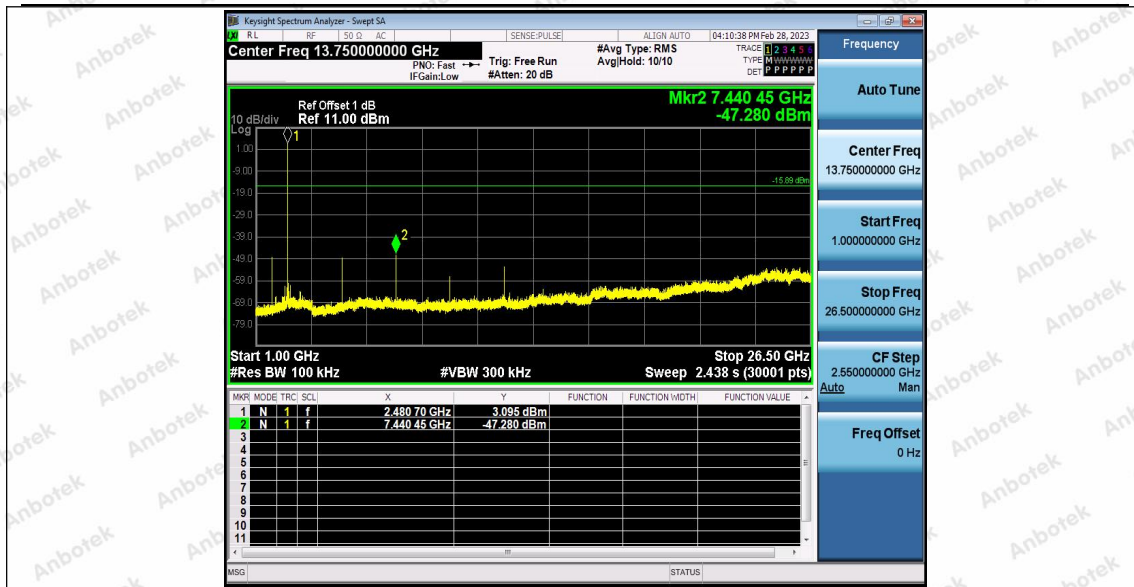
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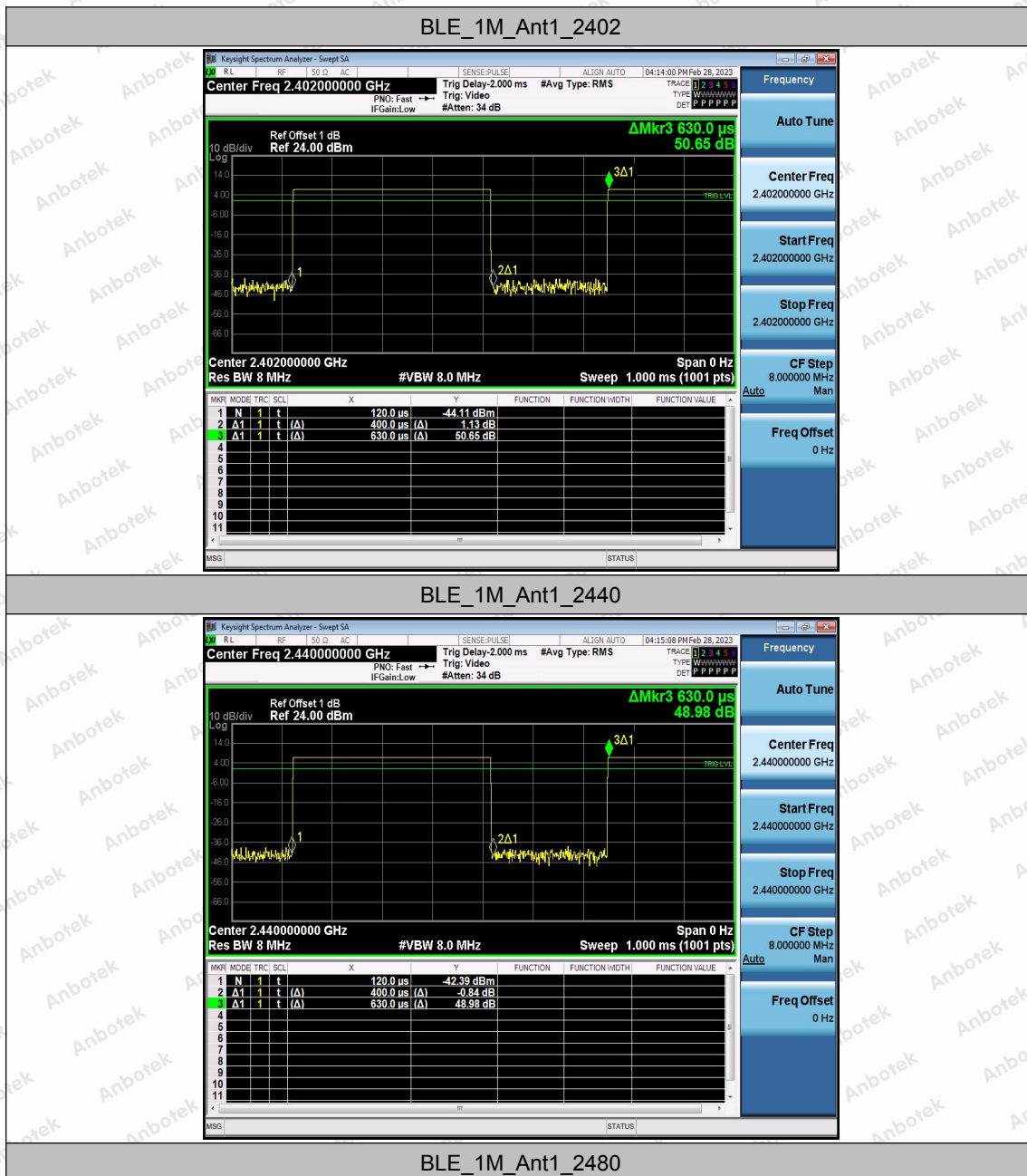
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97



Test Graphs



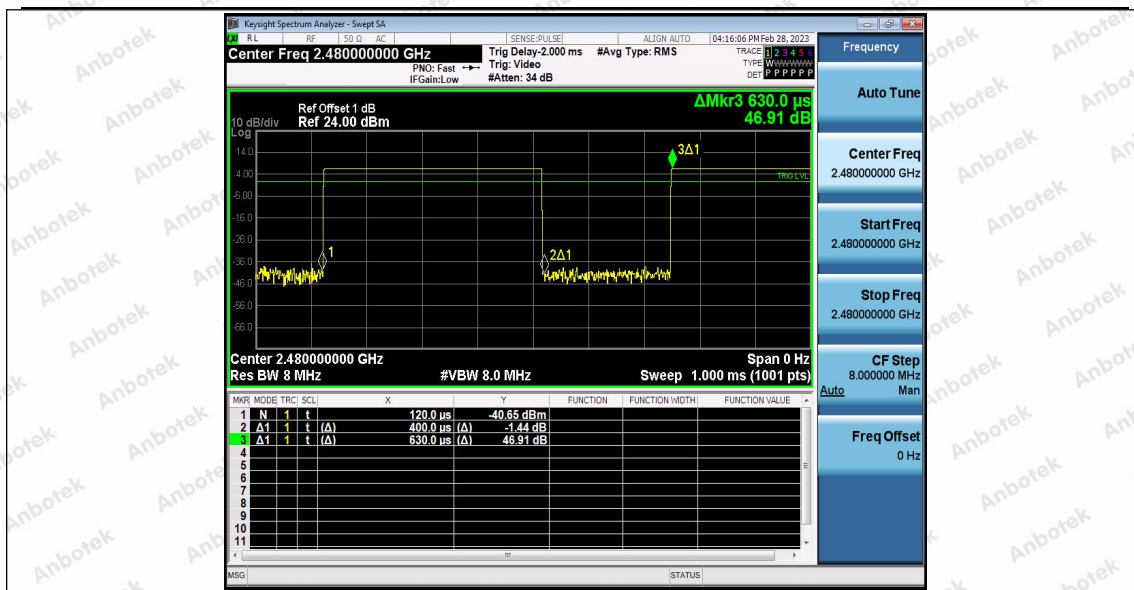
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