

Appendix Test Data

Report No.:	18220WC40030901	Test Sample No.:	1-2-2
Start Test Date:	2024.3.13	Finish Test Date:	2024.3.13
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.684	2402.344	0.5	PASS
		2440	0.712	2439.664	2440.376	0.5	PASS
		2480	0.676	2479.668	2480.344	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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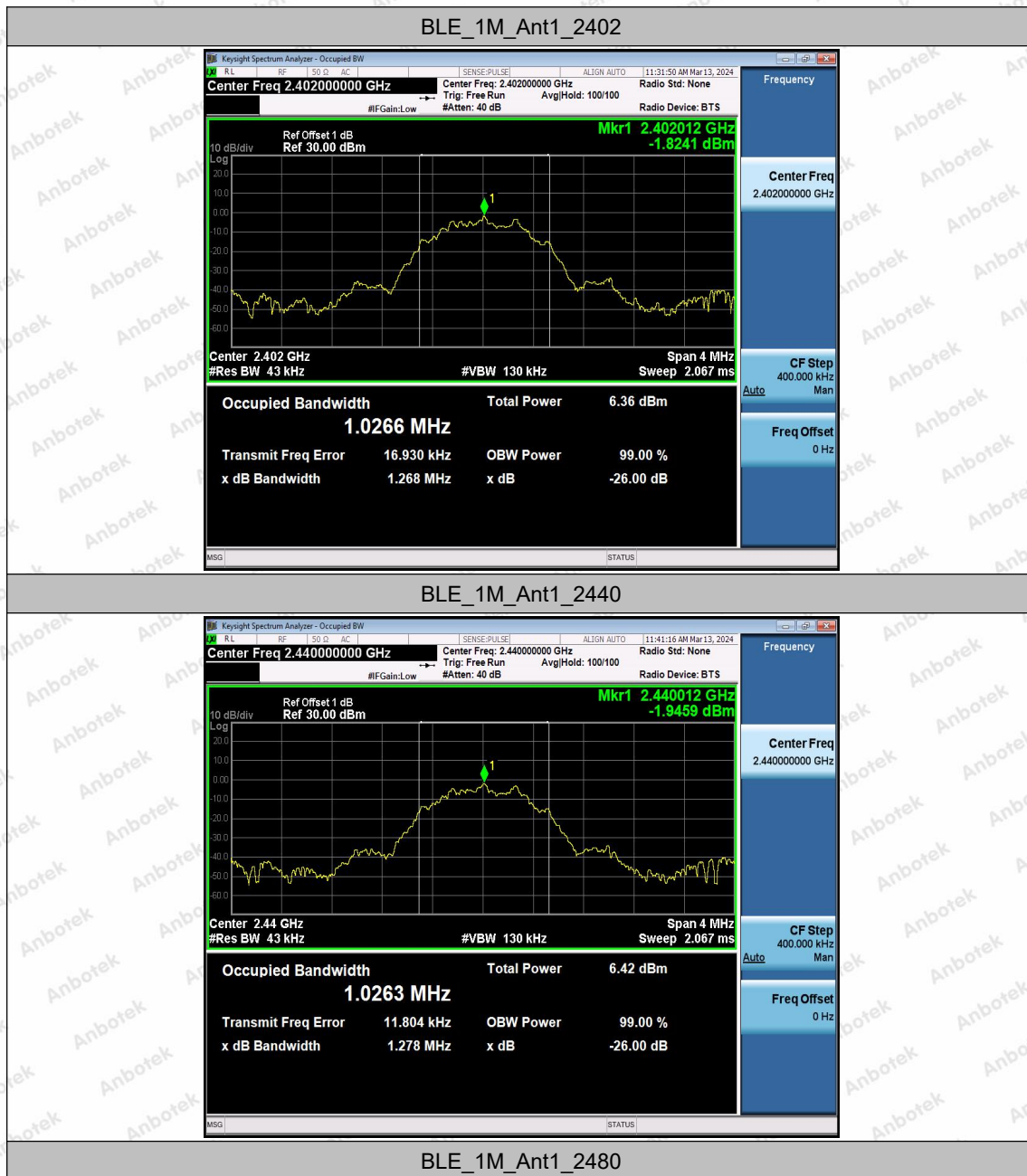
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0266	2401.5036	2402.5302	---	---
		2440	1.0263	2439.4987	2440.5250	---	---
		2480	1.0445	2479.4917	2480.5362	---	---



Test Graphs



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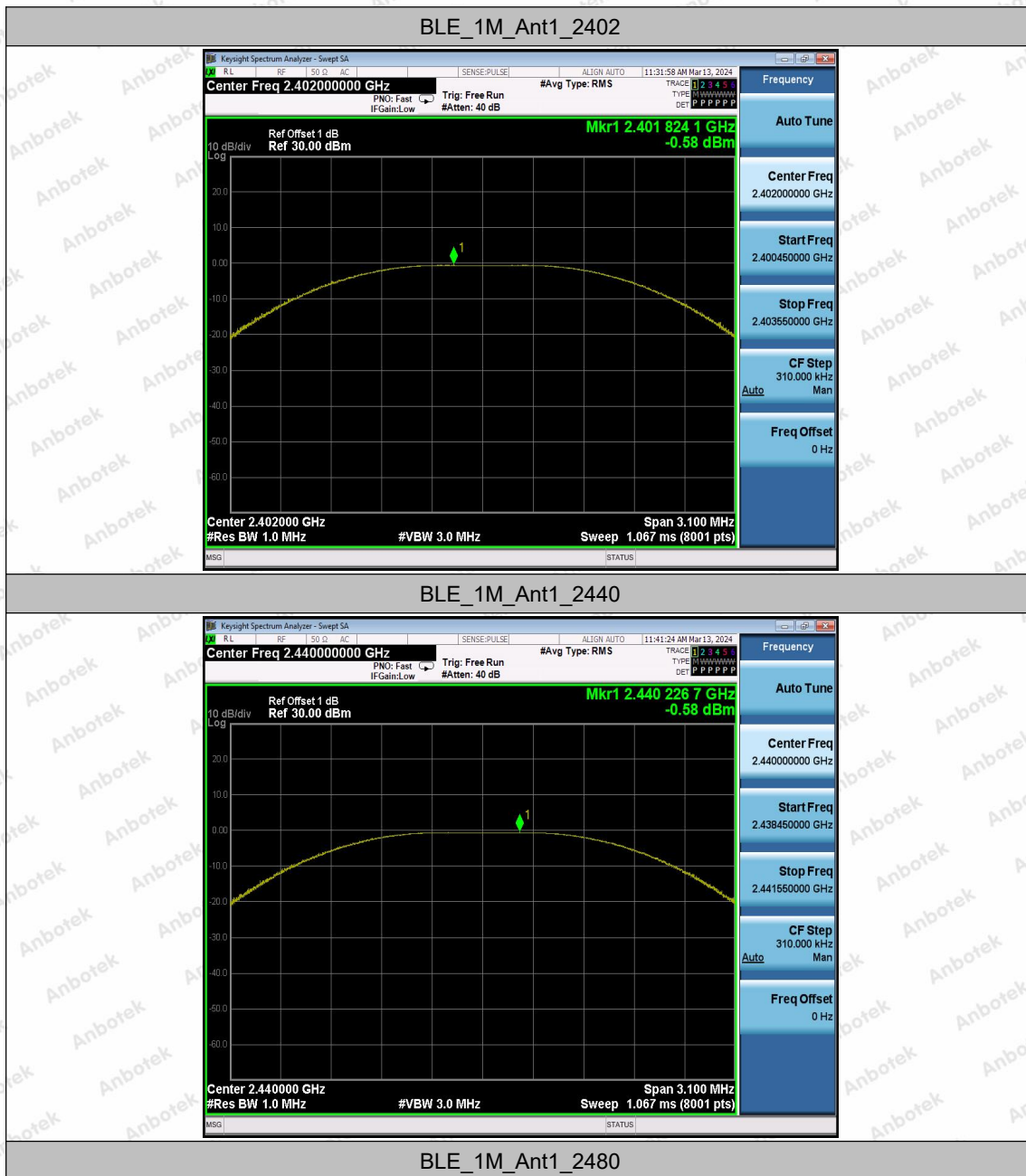
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.58	≤30	PASS
		2440	-0.58	≤30	PASS
		2480	-0.72	≤30	PASS



Test Graphs Peak



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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.14	≤8.00	PASS
		2440	-3.29	≤8.00	PASS
		2480	-3.24	≤8.00	PASS



Test Graphs



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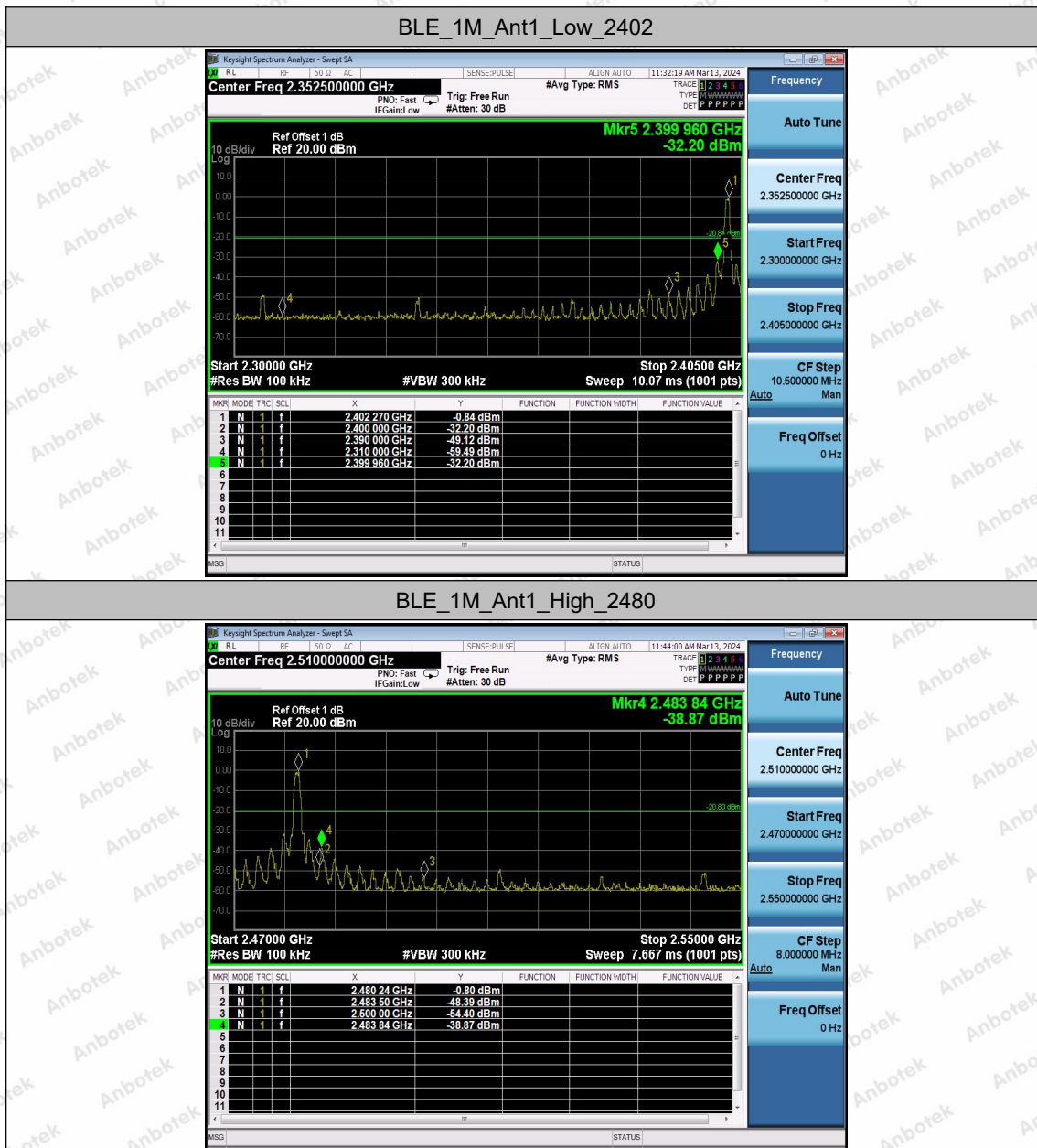
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.84	-32.2	≤-20.84	PASS
		High	2480	-0.80	-38.87	≤-20.8	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-68.49	≤-20.76	PASS
			1000~26500	-0.76	-48.34	≤-20.76	PASS
		2440	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-68.4	≤-20.75	PASS
			1000~26500	-0.75	-48.1	≤-20.75	PASS
		2480	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-67.73	≤-20.88	PASS
			1000~26500	-0.88	-48.66	≤-20.88	PASS



Test Graphs



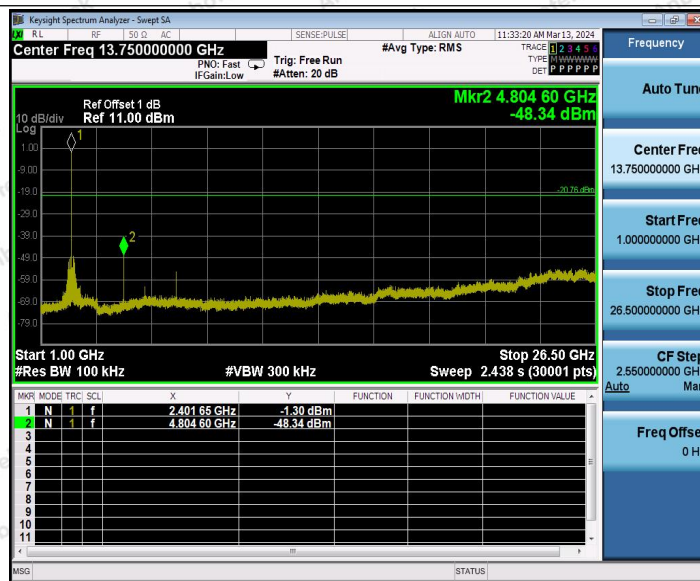
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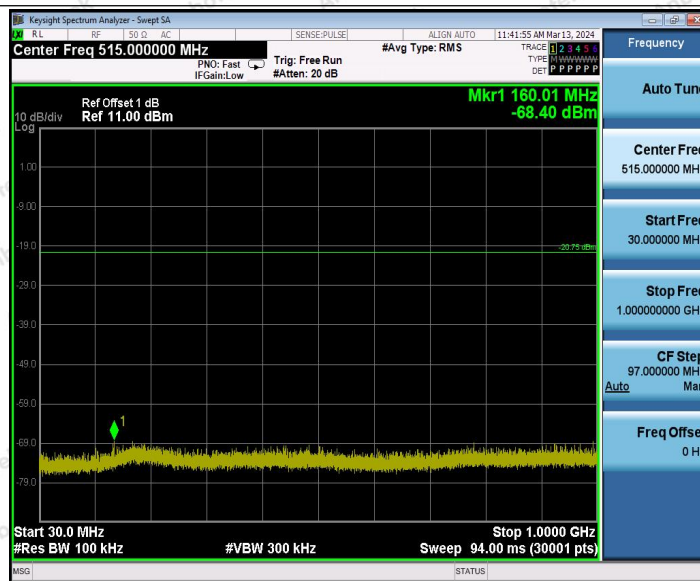


BLE_1M_Ant1_2440_0~Reference

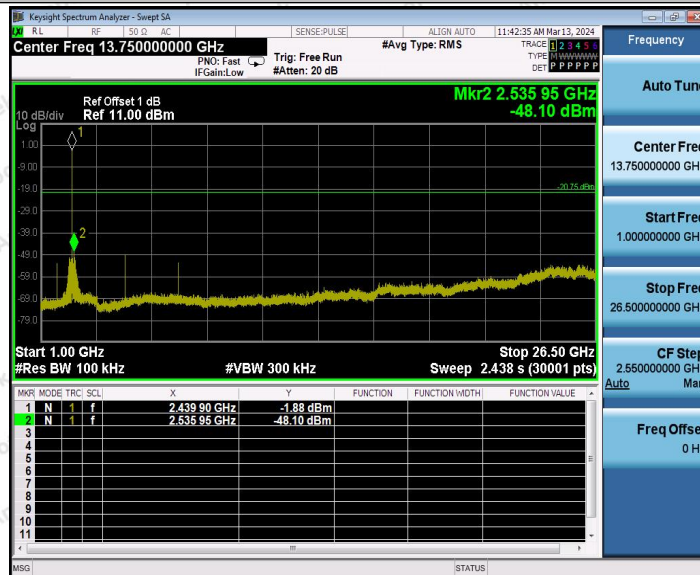


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

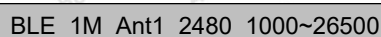
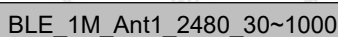
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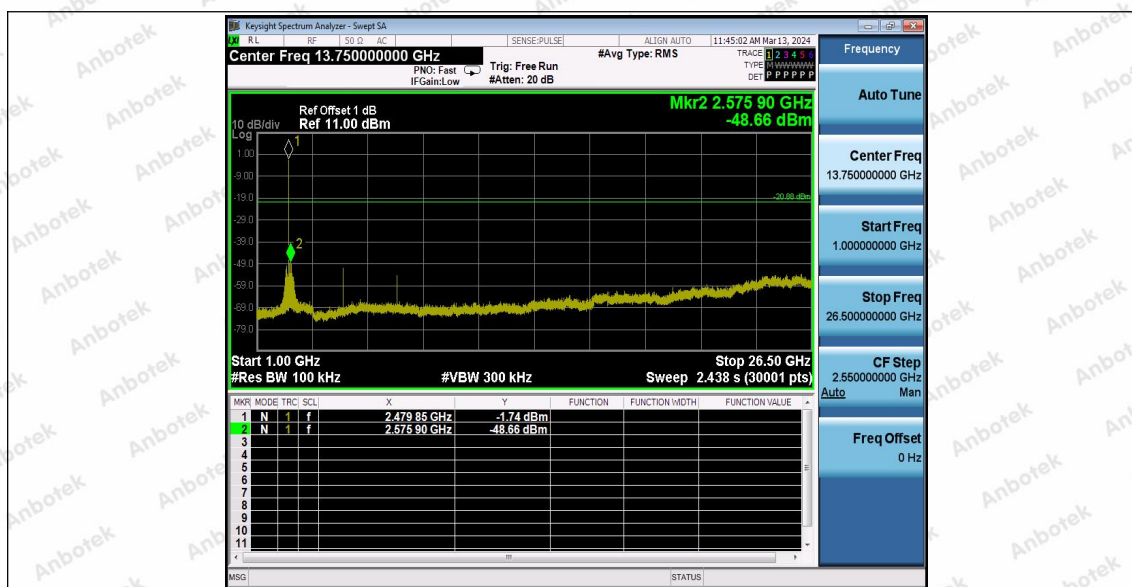
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.63	65.08	1.87
		2440	0.41	0.63	65.08	1.87
		2480	0.41	0.63	65.08	1.87



Test Graphs



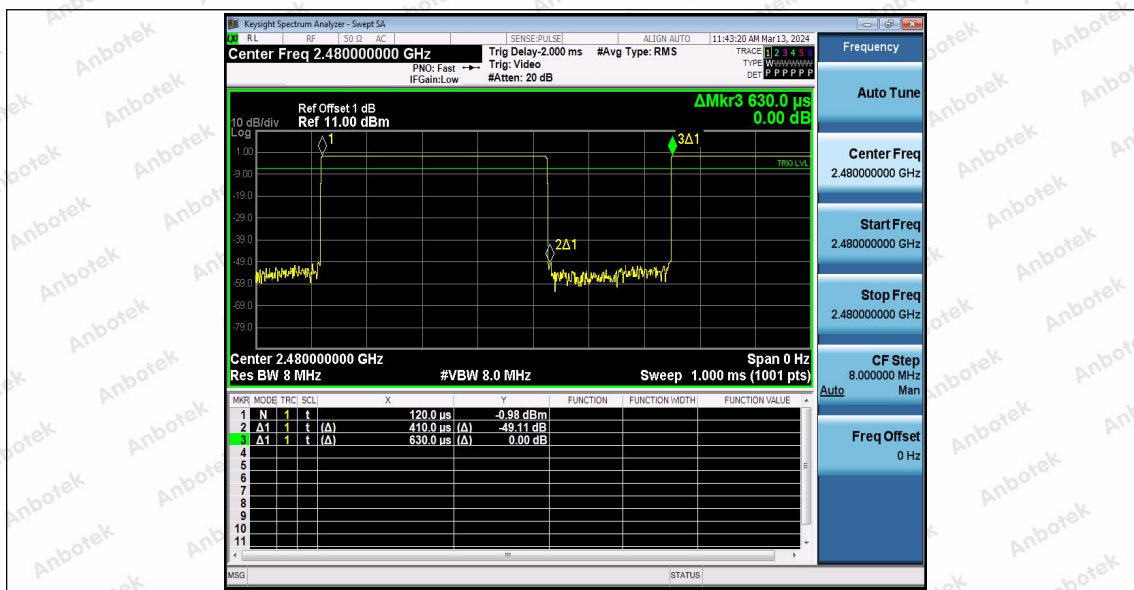
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