

Appendix Test Data

Report No.:	18220WC20248901	Test Sample No.:	1-2-2
Start Test Date:	2022.10.20	Finish Test Date:	2022.10.24
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4g	Ant1	2402	1.076	2401.416	2402.492	0.5	PASS
		2440	1.052	2439.424	2440.476	0.5	PASS
		2480	1.148	2479.396	2480.544	0.5	PASS



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2440



2.4g_Ant1_2480

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4g	Ant1	2402	2.0602	2400.9429	2403.0031
		2440	2.0629	2438.9373	2441.0002
		2480	2.0572	2478.9443	2481.0015



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2440



2.4g_Ant1_2480

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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
2.4g	Ant1	2402	-0.7	≤30	PASS
		2440	-0.14	≤30	PASS
		2480	0.5	≤30	PASS

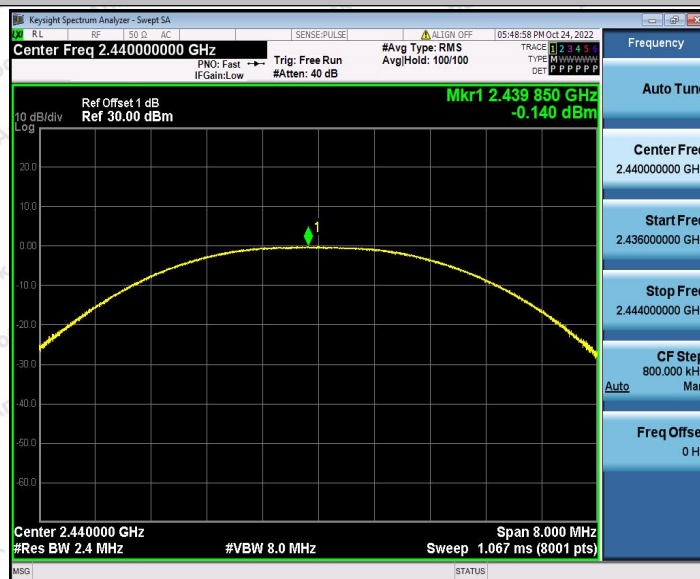


Test Graphs Peak

2.4g_Ant1_2402



2.4g_Ant1_2440



2.4g_Ant1_2480

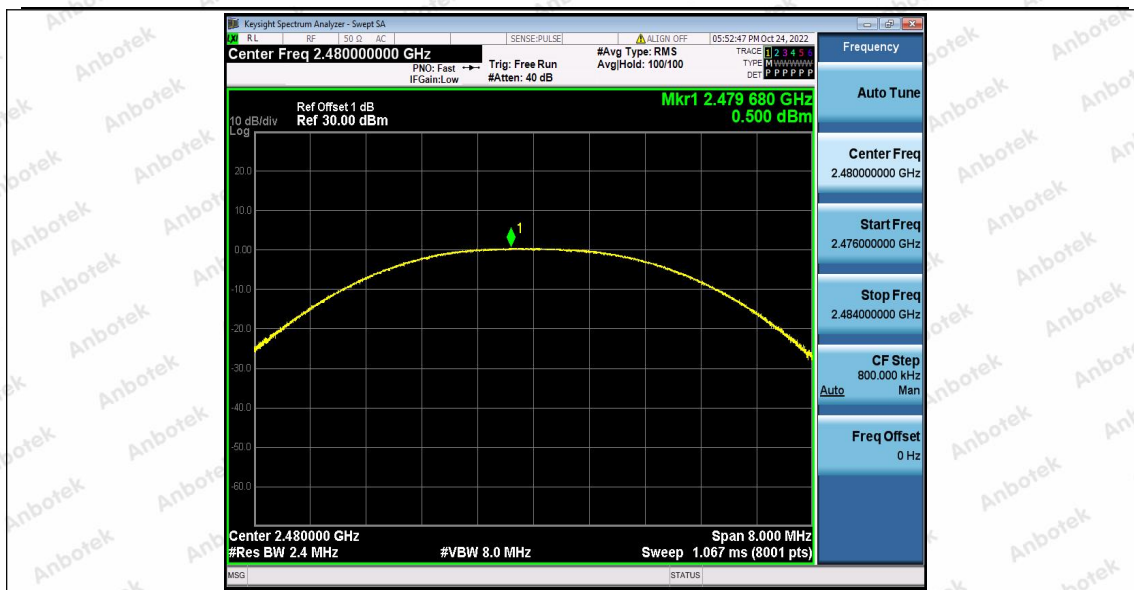
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2402	-17.79	≤8.00	PASS
		2440	-17.51	≤8.00	PASS
		2480	-16.61	≤8.00	PASS



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2440



2.4g_Ant1_2480

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Appendix E: Band edge measurements

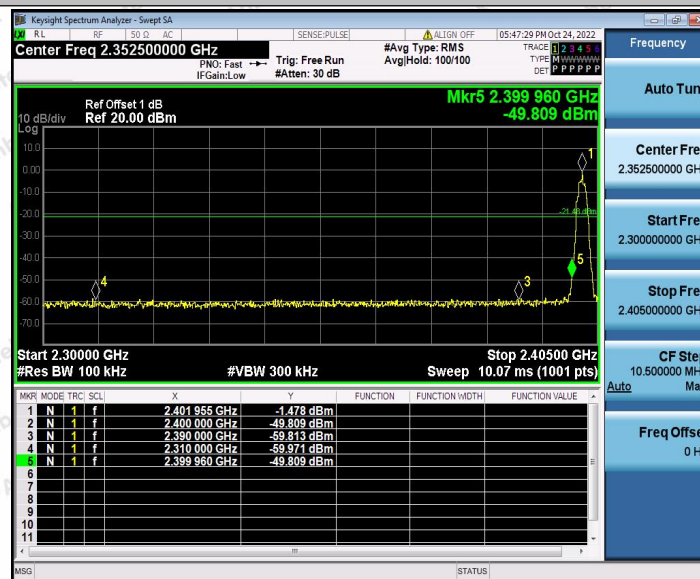
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2402	-1.48	-49.81	≤-21.48	PASS
		High	2480	-2.66	-57.46	≤-22.66	PASS

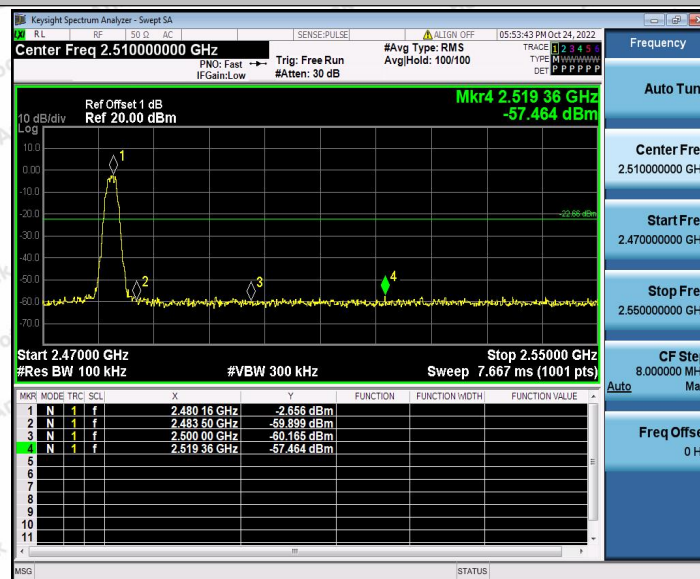


Test Graphs

2.4g_Ant1_Low_2402



2.4g_Ant1_High_2480



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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
2.4g	Ant1	2402	Reference	-5.30	-5.30	---	PASS
			30~1000	-5.30	-69.08	≤-25.3	PASS
			1000~26500	-5.30	-53.29	≤-25.3	PASS
		2440	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-69.64	≤-23.89	PASS
			1000~26500	-3.89	-53.98	≤-23.89	PASS
		2480	Reference	-3.17	-3.17	---	PASS
			30~1000	-3.17	-69.18	≤-23.17	PASS
			1000~26500	-3.17	-53.72	≤-23.17	PASS

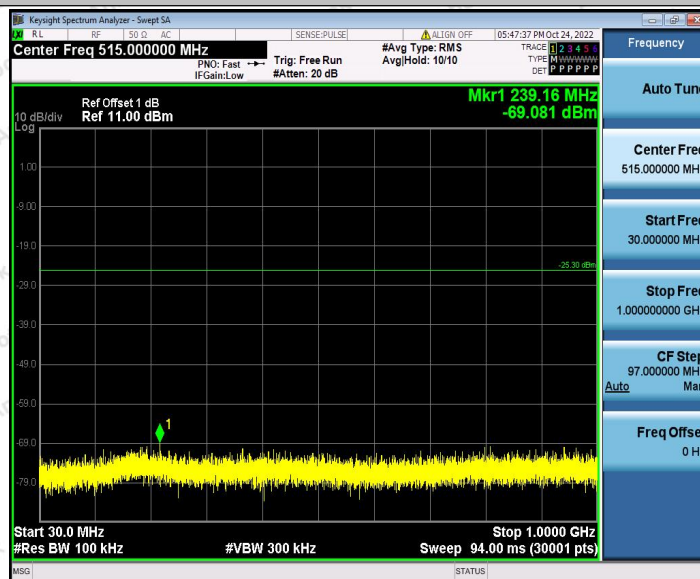


Test Graphs

2.4g_Ant1_2402_0~Reference



2.4g_Ant1_2402_30~1000



2.4g_Ant1_2402_1000~26500

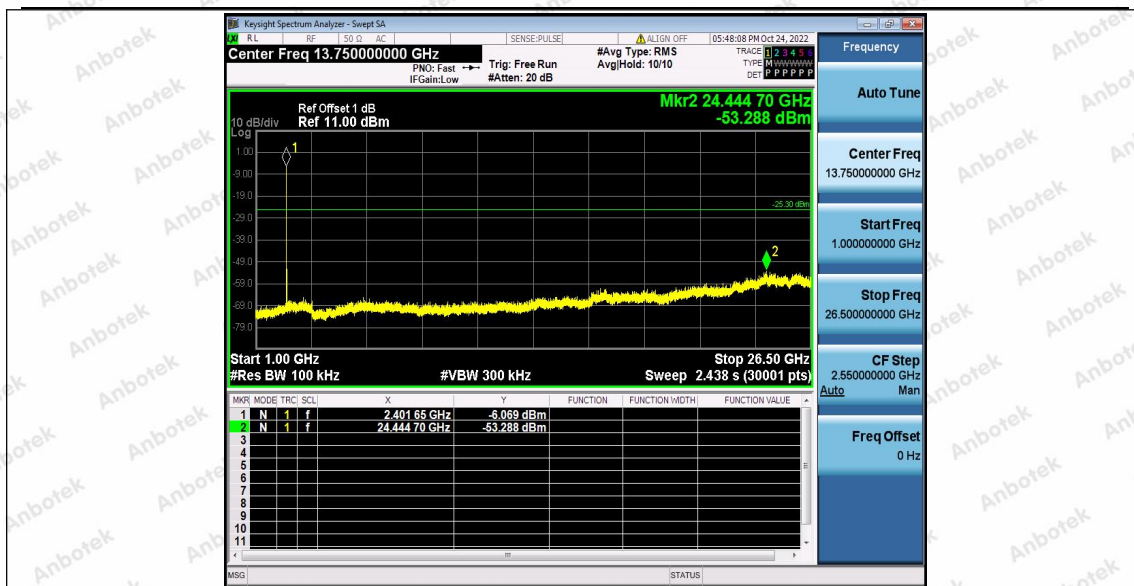
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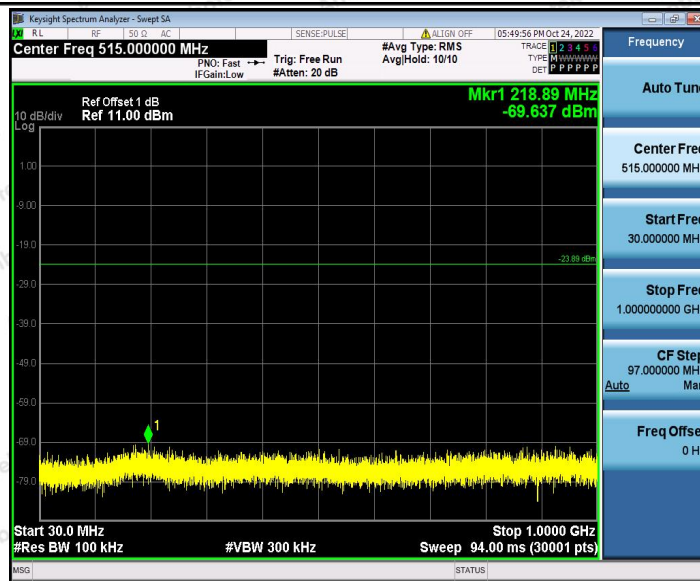


2.4g_Ant1_2440_0~Reference



2.4g_Ant1_2440_30~1000





2.4g_Ant1_2440_1000~26500



2.4g_Ant1_2480_0~Reference

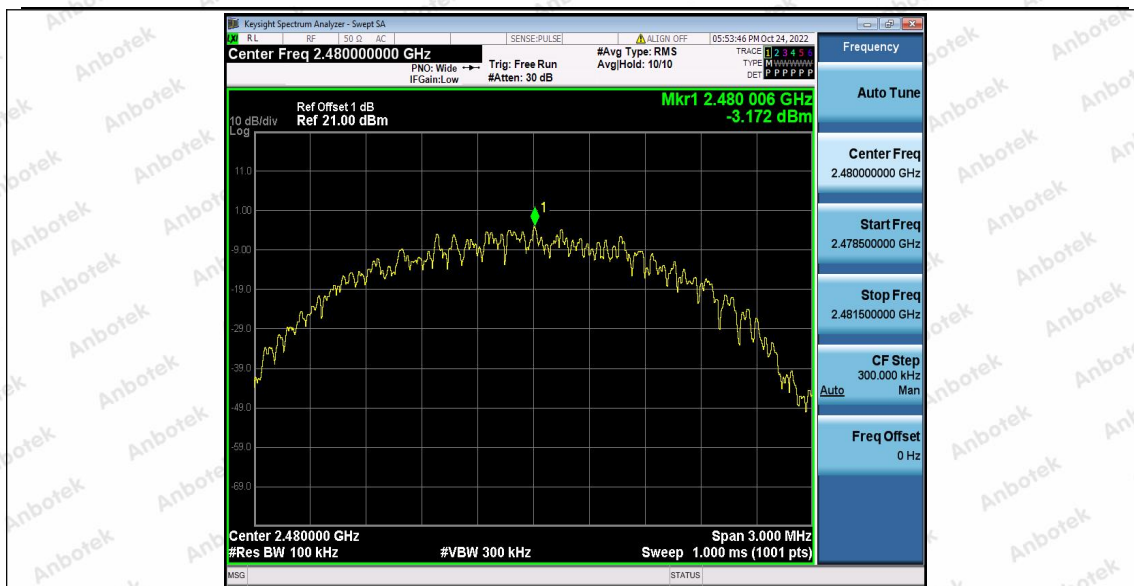
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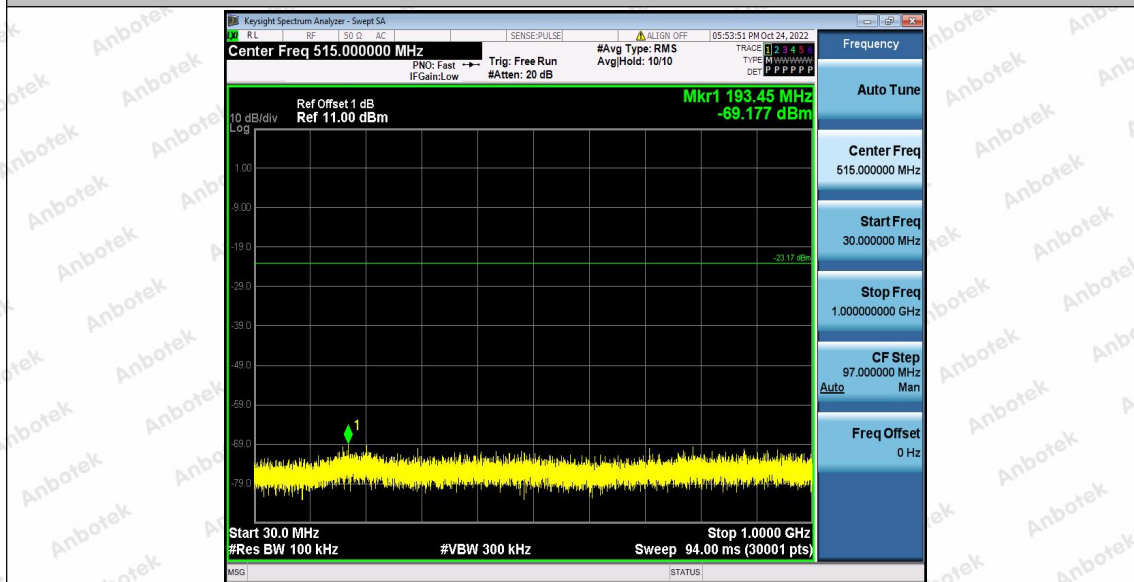


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2.4g_Ant1_2480_30~1000



2.4g_Ant1_2480_1000~26500

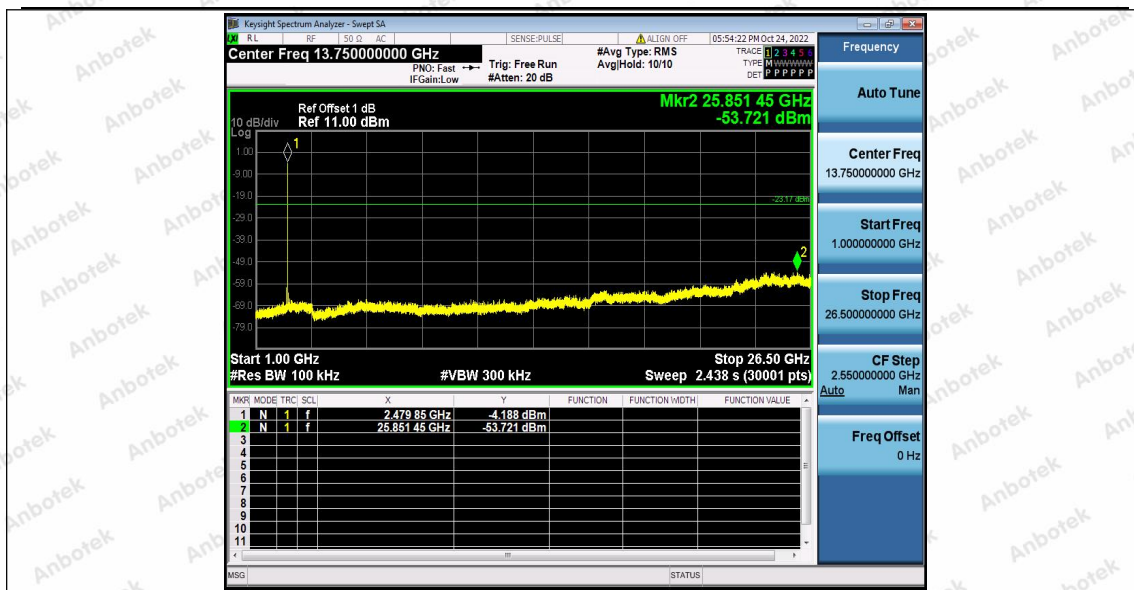
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Appendix G: Duty Cycle

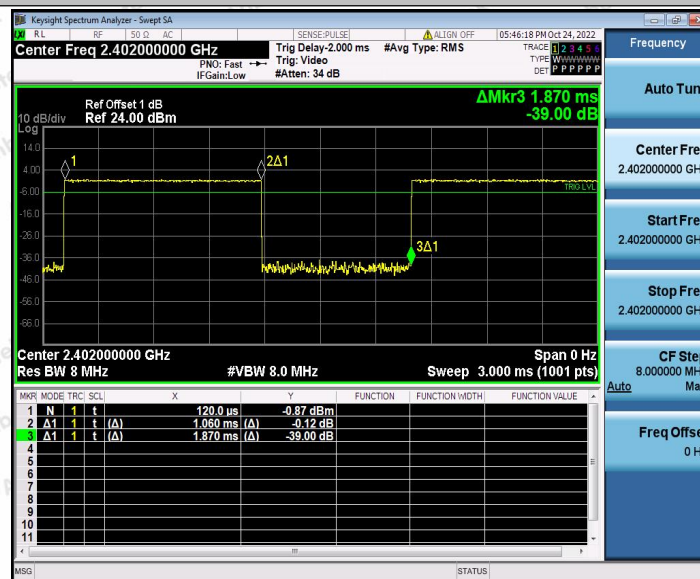
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4g	Ant1	2402	1.06	1.87	56.68	2.47
		2440	1.06	1.88	56.38	2.49
		2480	1.06	1.88	56.38	2.49

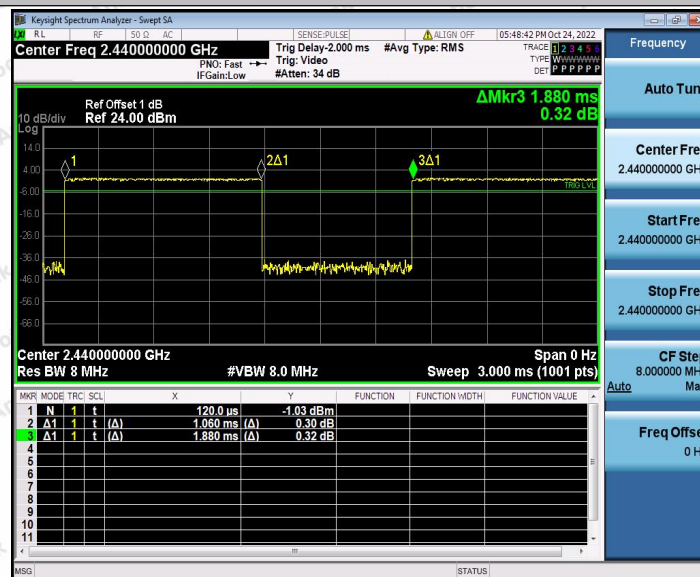


Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2440



2.4g_Ant1_2480

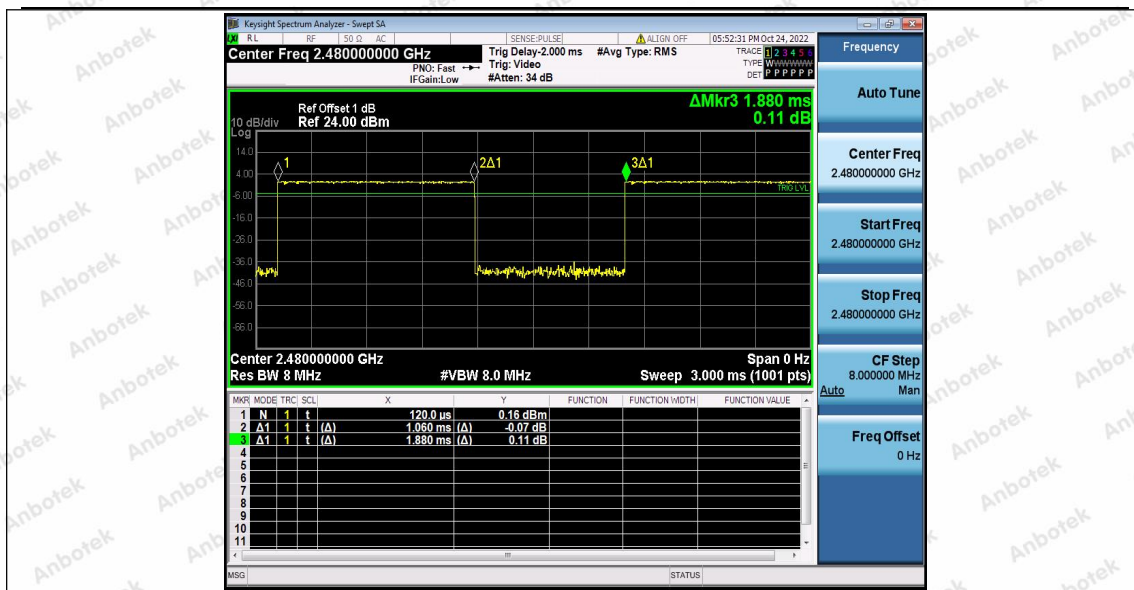
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