

Appendix Test Data

Report No.:	18220WC30046003	Test Sample No.:	1-2-2
Start Test Date:	2023.03.21	Finish Test Date:	2023.03.23
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.6°C	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	2401	0.580	2400.736	2401.316	0.5	PASS
		2440	0.600	2439.720	2440.320	0.5	PASS
		2480	0.584	2479.736	2480.320	0.5	PASS



Test Graphs

2.4G_Ant1_2401



2.4G_Ant1_2440



2.4G_Ant1_2480

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2401	1.0970	2400.4572	2401.5542
		2440	1.0840	2439.4718	2440.5558
		2480	1.0858	2479.4747	2480.5605



Test Graphs

2.4G_Ant1_2401



2.4G_Ant1_2440



2.4G_Ant1_2480

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Appendix C: Maximum conducted output power

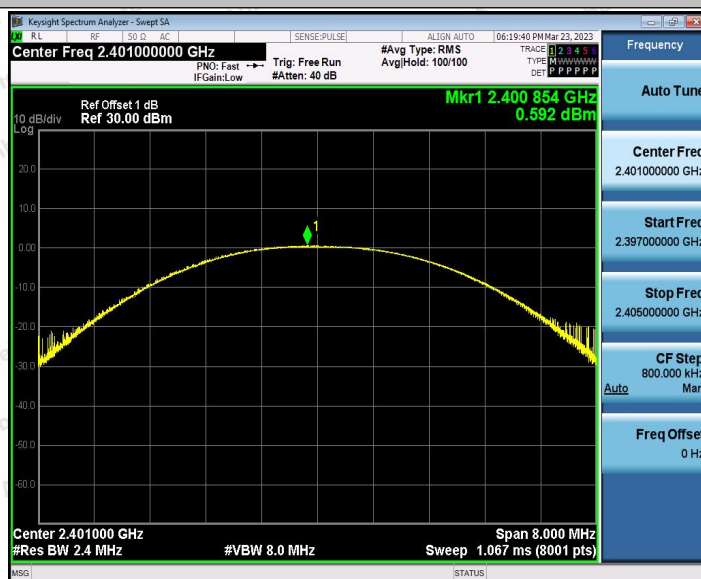
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2401	0.59	≤30	PASS
		2440	0.07	≤30	PASS
		2480	-0.85	≤30	PASS

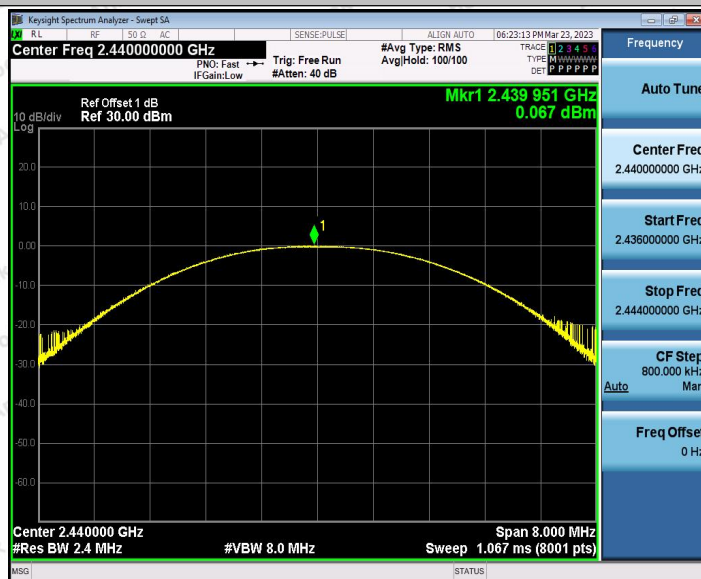


Test Graphs Peak

2.4G_Ant1_2401



2.4G_Ant1_2440



2.4G_Ant1_2480

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Appendix D: Maximum power spectral density

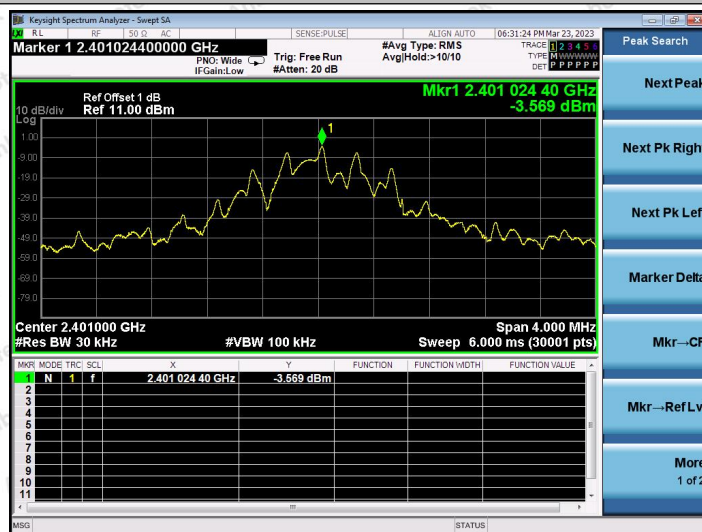
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2401	-3.57	≤8.00	PASS
		2440	-4.14	≤8.00	PASS
		2480	-4.91	≤8.00	PASS



Test Graphs

2.4G_Ant1_2401



2.4G_Ant1_2440



2.4G_Ant1_2480

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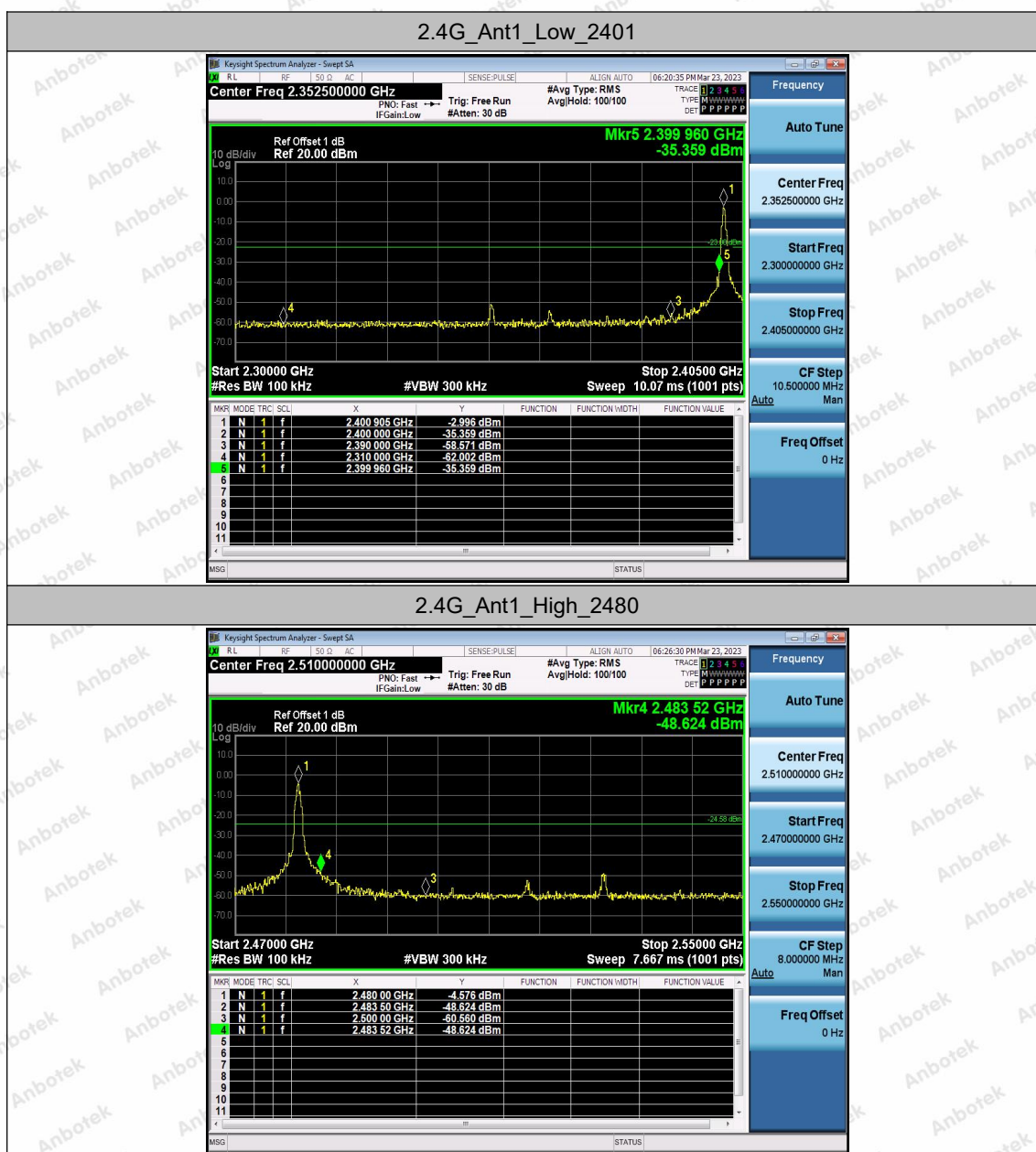


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2401	-3.00	-35.36	≤-23	PASS
		High	2480	-4.58	-48.62	≤-24.58	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2401	Reference	-2.40	-2.40	---	PASS
			30~1000	-2.40	-44.46	≤-22.4	PASS
			1000~26500	-2.40	-37.86	≤-22.4	PASS
		2440	Reference	-4.14	-4.14	---	PASS
			30~1000	-4.14	-44.62	≤-24.14	PASS
			1000~26500	-4.14	-39.55	≤-24.14	PASS
		2480	Reference	-4.04	-4.04	---	PASS
			30~1000	-4.04	-41.05	≤-24.04	PASS
			1000~26500	-4.04	-39.69	≤-24.04	PASS

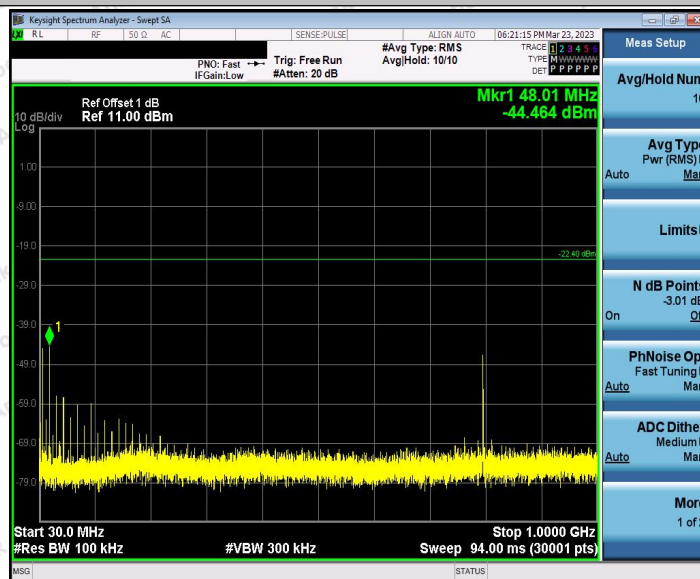


Test Graphs

2.4G_Ant1_2401_0~Reference



2.4G_Ant1_2401_30~1000



2.4G_Ant1_2401_1000~26500

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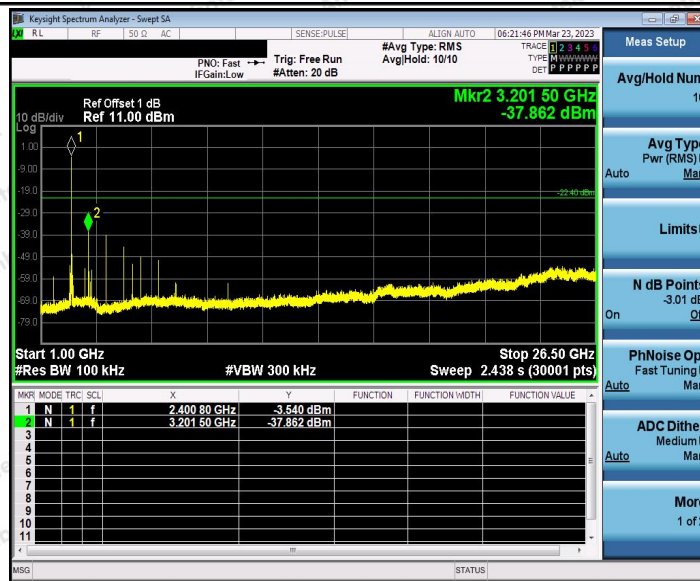


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2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000

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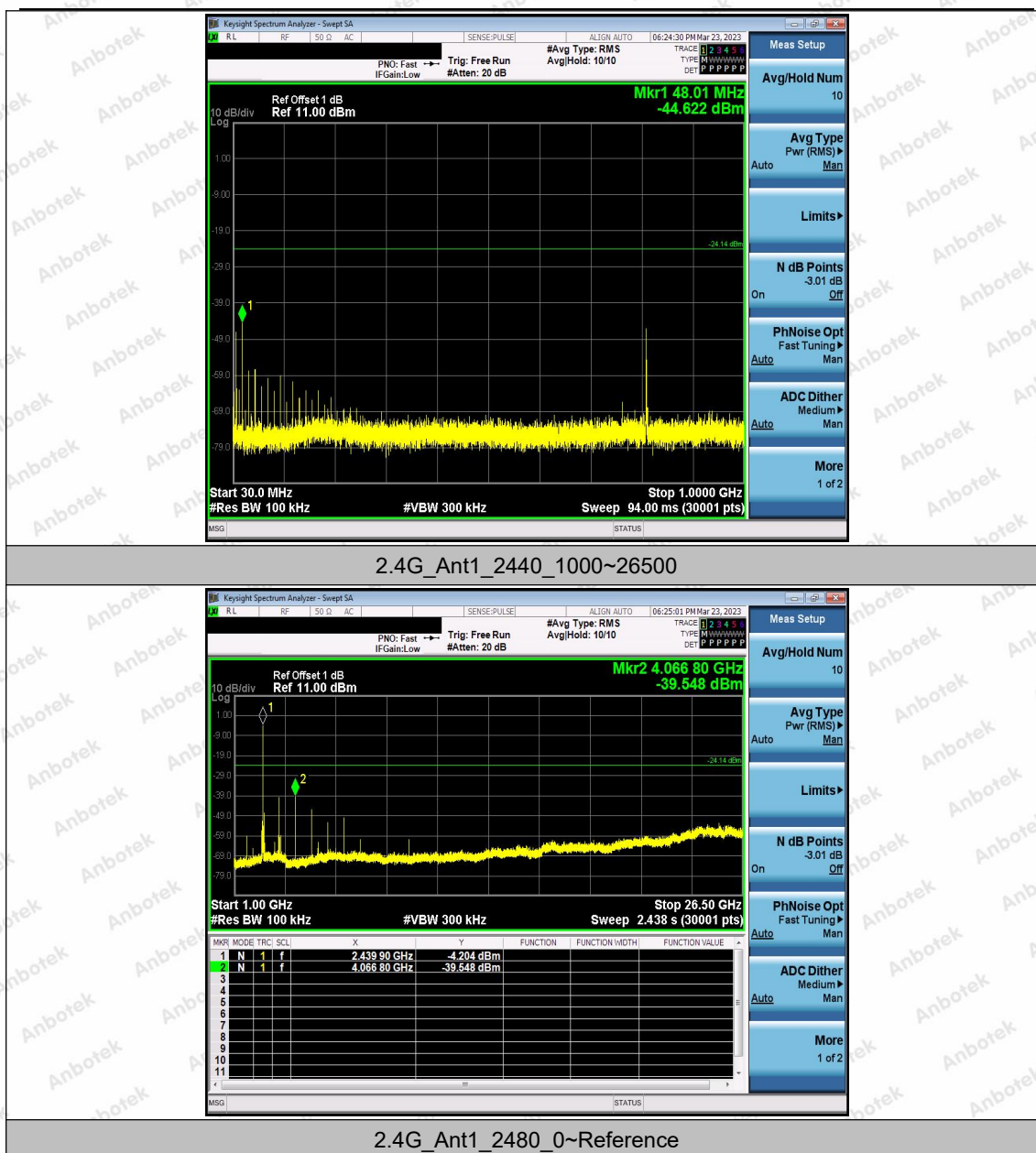


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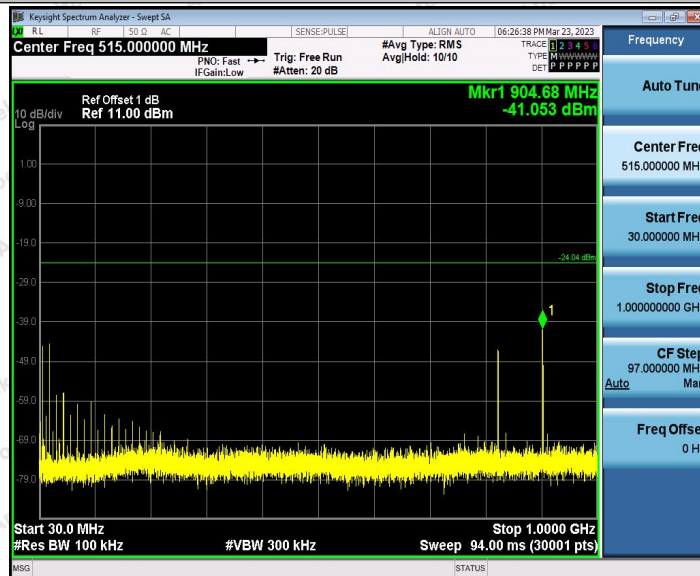


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2.4G_Ant1_2480_30~1000



2.4G_Ant1_2480_1000~26500

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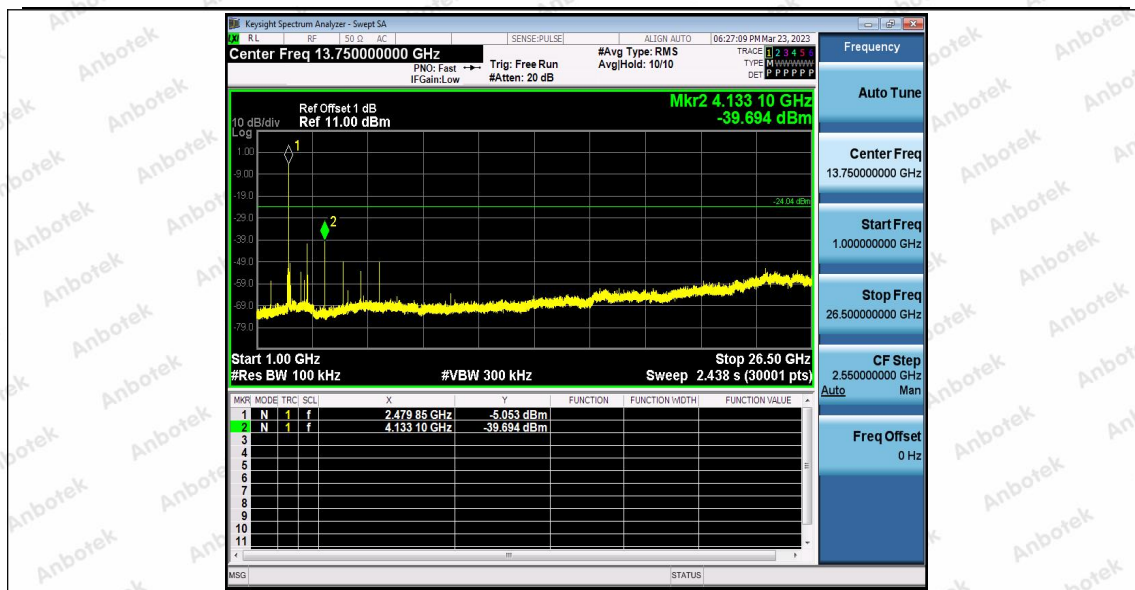


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Appendix G: Duty Cycle

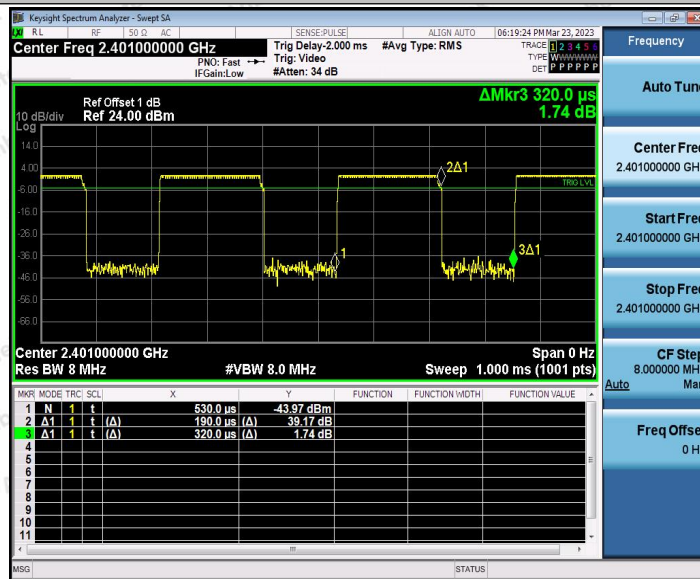
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2401	0.19	0.32	59.38	2.26
		2440	0.18	0.32	56.25	2.50
		2480	0.18	0.32	56.25	2.50

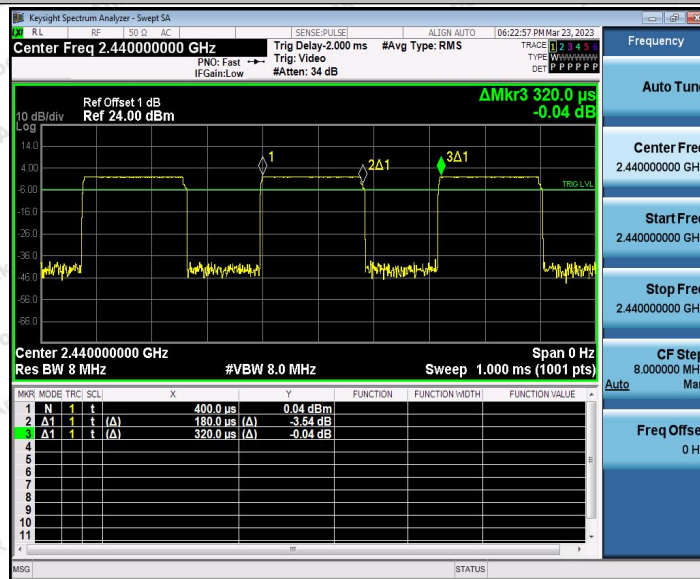


Test Graphs

2.4G_Ant1_2401



2.4G_Ant1_2440



2.4G_Ant1_2480

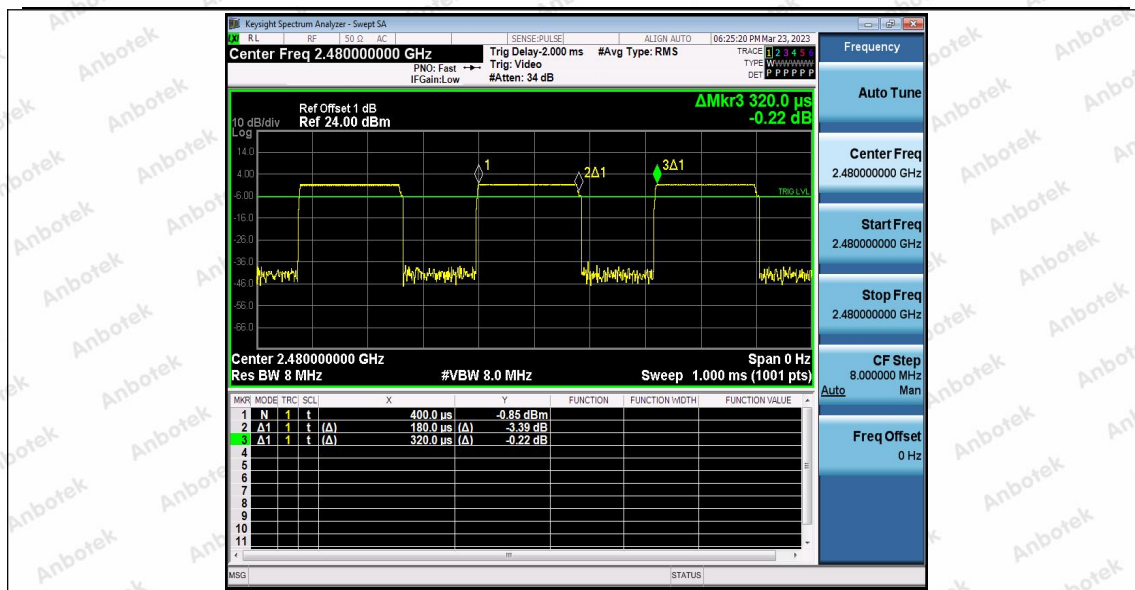
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