

Appendix Test Data

Report No.:	18220WC30122003	Test Sample No.:	1-2-2
Start Test Date:	2023.06.19	Finish Test Date:	2023.06.26
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.3°C	Relative Humidity:	46%
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	2403	0.868	2402.588	2403.456	0.5	PASS
		2441	0.872	2440.584	2441.456	0.5	PASS
		2480	0.816	2479.636	2480.452	0.5	PASS



Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



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	2403	1.2014	2402.4014	2403.6028
		2441	1.2094	2440.3955	2441.6049
		2480	1.2295	2479.3868	2480.6163



Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



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	2403	1.42	≤30	PASS
		2441	1.28	≤30	PASS
		2480	0.55	≤30	PASS

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Test Graphs Peak

2.4G_Ant1_2403



2.4G_Ant1_2441



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	2403	-14.66	≤8.00	PASS
		2441	-14.65	≤8.00	PASS
		2480	-15.34	≤8.00	PASS



Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480

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Appendix E: Band edge measurements

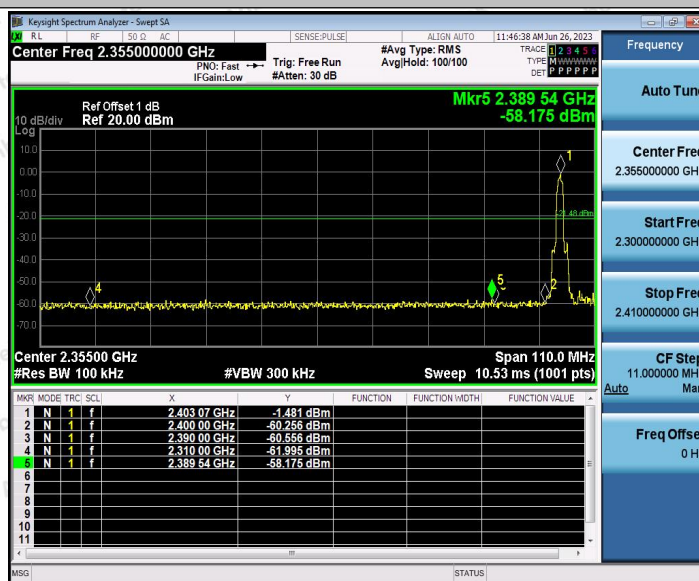
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2403	-1.48	-58.18	≤-21.48	PASS
		High	2480	-0.49	-57.72	≤-20.49	PASS

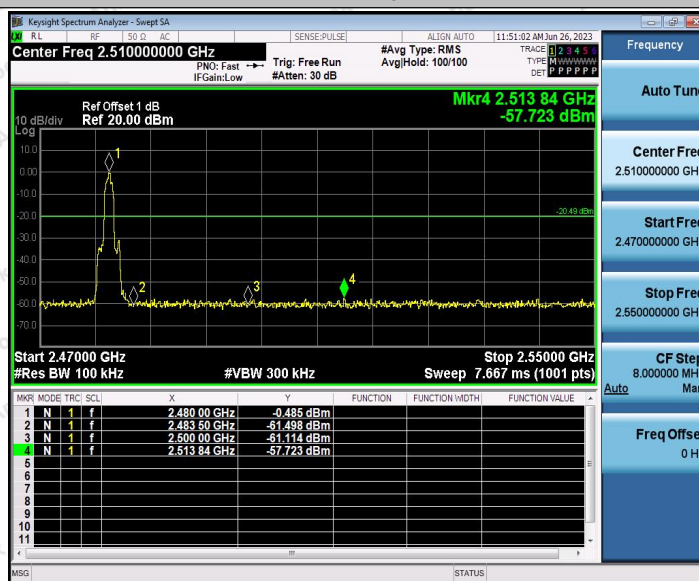


Test Graphs

2.4G_Ant1_Low_2403



2.4G_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2403	Reference	-2.44	-2.44	---	PASS
			30~1000	-2.44	-69.5	≤-22.44	PASS
			1000~26500	-2.44	-53.38	≤-22.44	PASS
		2441	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-68.92	≤-23.11	PASS
			1000~26500	-3.11	-52.5	≤-23.11	PASS
		2480	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-68.86	≤-23.72	PASS
			1000~26500	-3.72	-53.9	≤-23.72	PASS

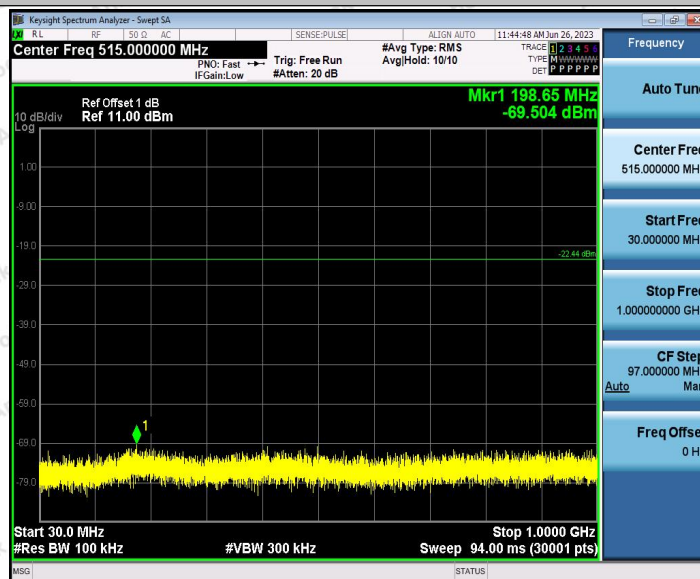


Test Graphs

2.4G_Ant1_2403_0~Reference



2.4G_Ant1_2403_30~1000



2.4G_Ant1_2403_1000~26500

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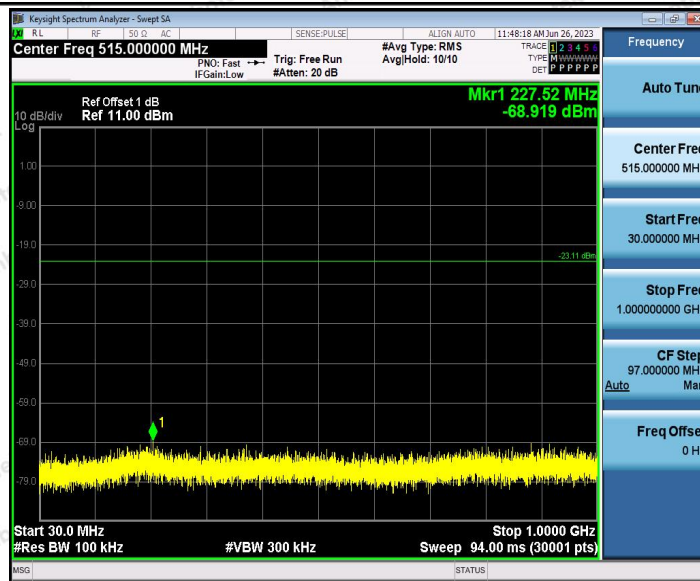


2.4G_Ant1_2441_0~Reference

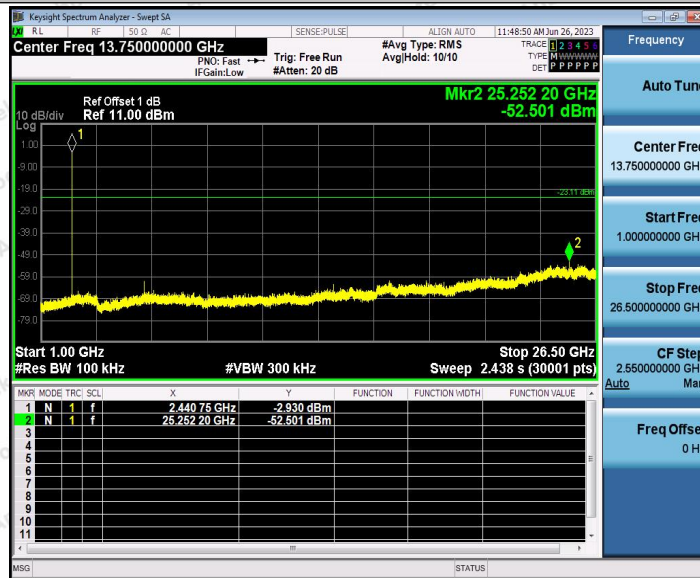


2.4G_Ant1_2441_30~1000





2.4G_Ant1_2441_1000~26500



2.4G_Ant1_2480_0~Reference

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Appendix G: Duty Cycle

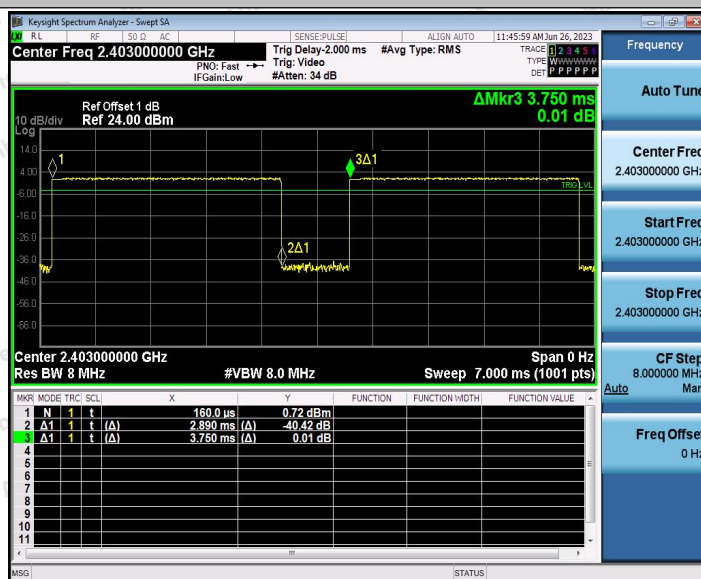
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2403	2.89	3.75	77.07	1.13
		2441	2.88	3.75	76.80	1.15
		2480	2.89	3.75	77.07	1.13

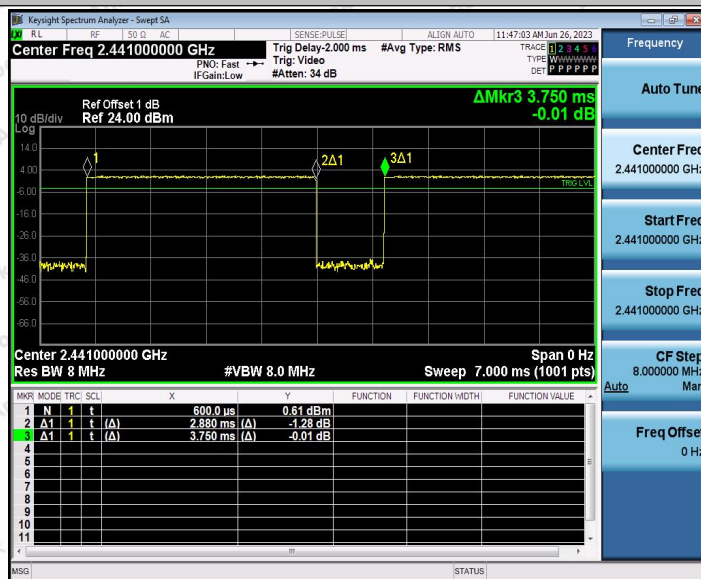


Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480

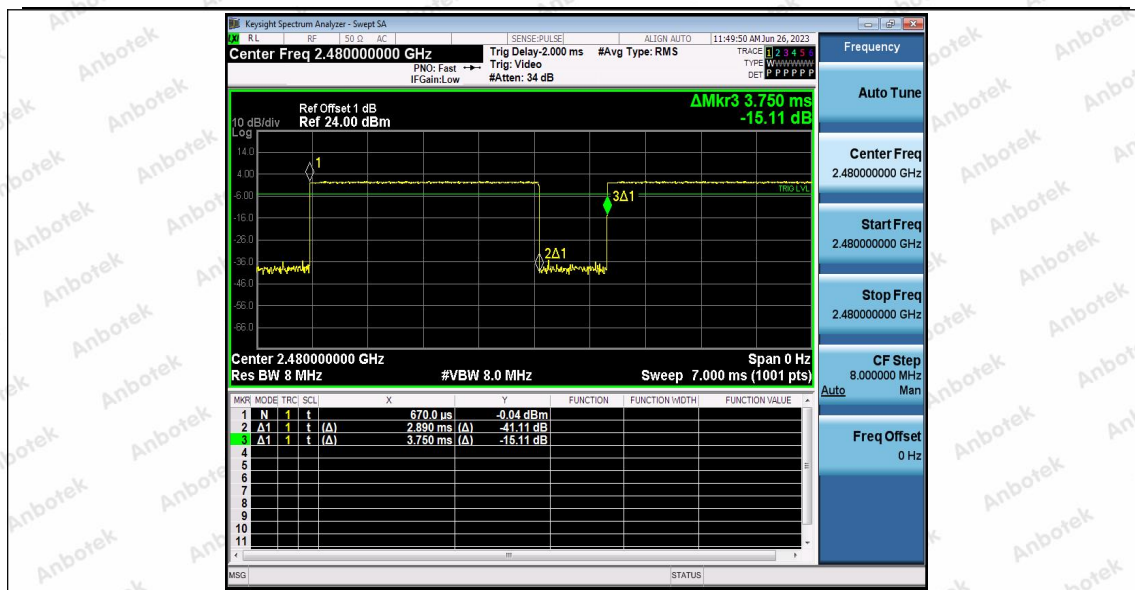
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