

Appendix Test Data

Report No.:	18220WC30103001	Test Sample No.:	1-2-2
Start Test Date:	2023.05.27	Finish Test Date:	2023.05.29
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.3°C	Relative Humidity:	41%
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	0.728	2401.656	2402.384	0.5	PASS
		2430	0.728	2429.656	2430.384	0.5	PASS
		2480	0.732	2479.652	2480.384	0.5	PASS



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2430



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	2402	1.1231	2401.4547	2402.5778
		2430	1.1350	2429.4539	2430.5889
		2480	1.1517	2479.4444	2480.5961



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2430



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	2402	2.84	≤30	PASS
		2430	4.45	≤30	PASS
		2480	3.06	≤30	PASS



Test Graphs Peak

2.4G_Ant1_2402



2.4G_Ant1_2430



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	2402	-6.15	≤8.00	PASS
		2430	-4.32	≤8.00	PASS
		2480	-5.69	≤8.00	PASS



Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2430



2.4G_Ant1_2480

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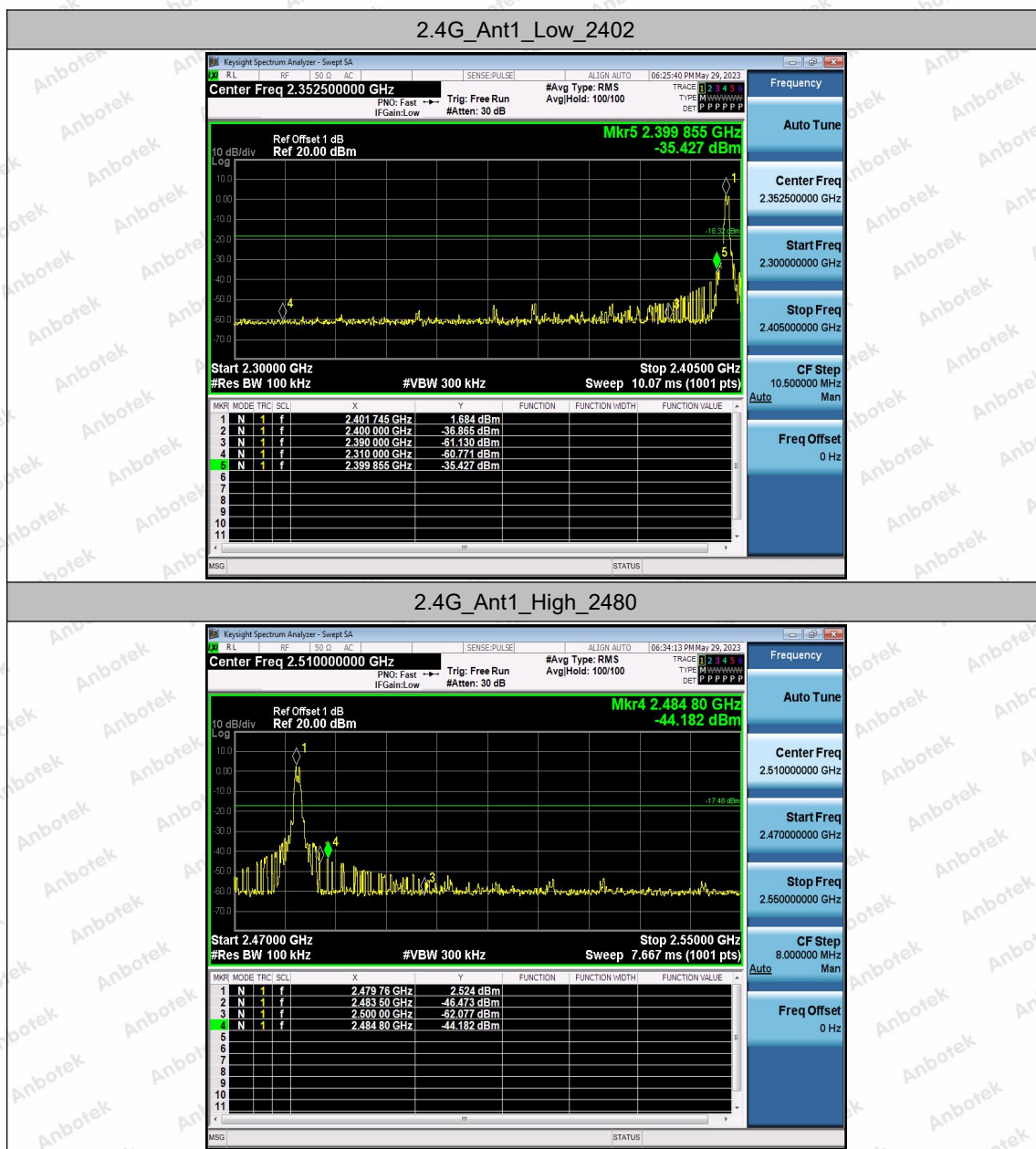


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	1.68	-35.43	≤-18.32	PASS
		High	2480	2.52	-44.18	≤-17.48	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
2.4G	Ant1	2402	Reference	2.60	2.60	---	PASS
			30~1000	2.60	-68.82	≤-17.4	PASS
			1000~26500	2.60	-42.82	≤-17.4	PASS
		2430	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-61.00	≤-15.74	PASS
			1000~26500	4.26	-40.89	≤-15.74	PASS
		2480	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-68.14	≤-17.14	PASS
			1000~26500	2.86	-44.28	≤-17.14	PASS

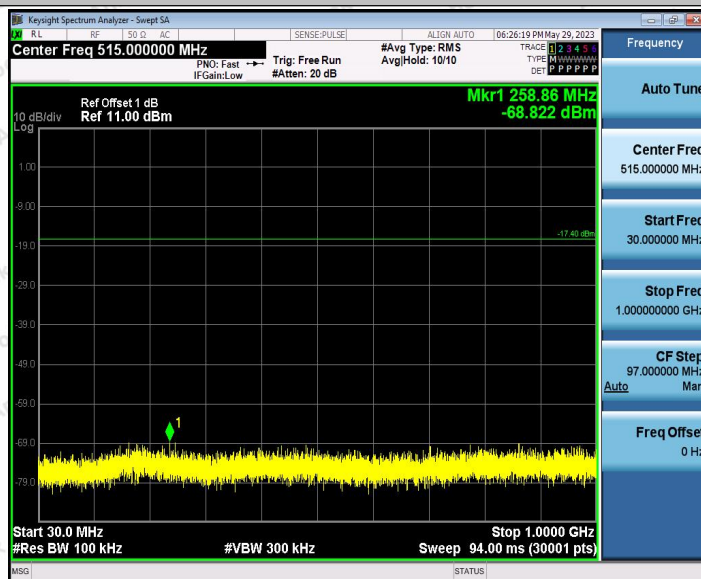


Test Graphs

2.4G_Ant1_2402_0~Reference



2.4G_Ant1_2402_30~1000



2.4G_Ant1_2402_1000~26500

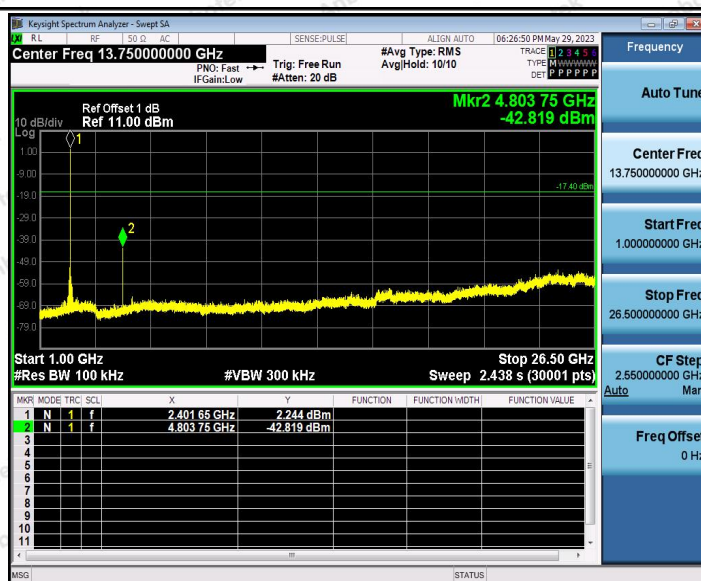
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2.4G_Ant1_2430_0~Reference



2.4G_Ant1_2430_30~1000

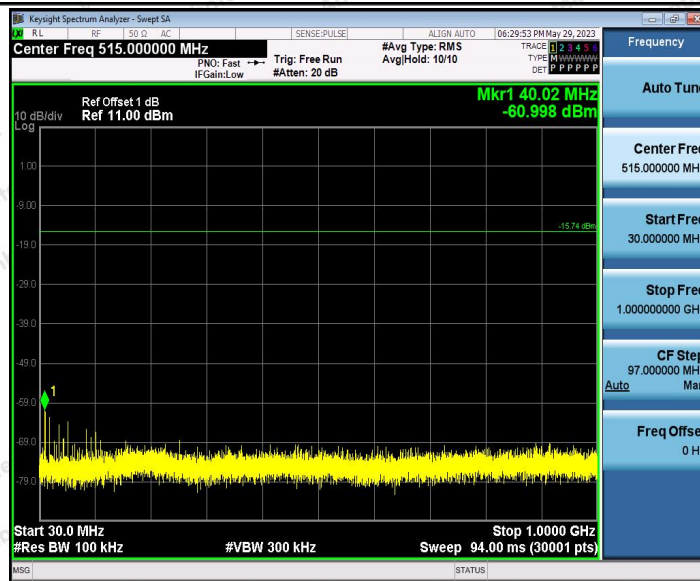
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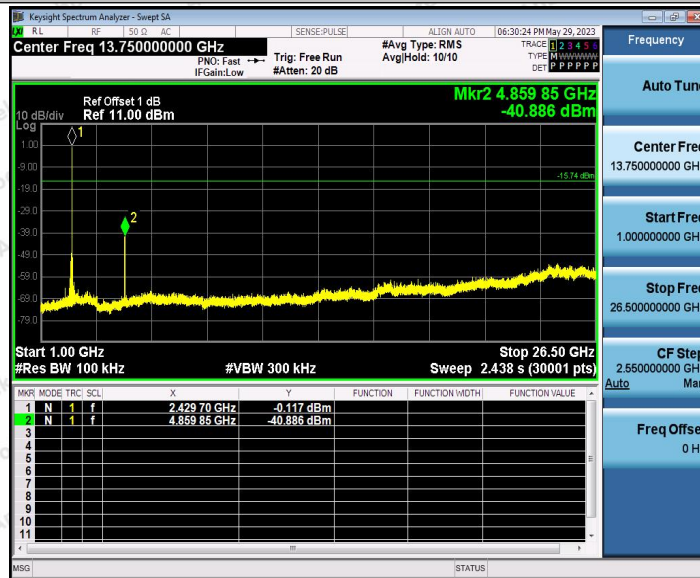


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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2480_0~Reference

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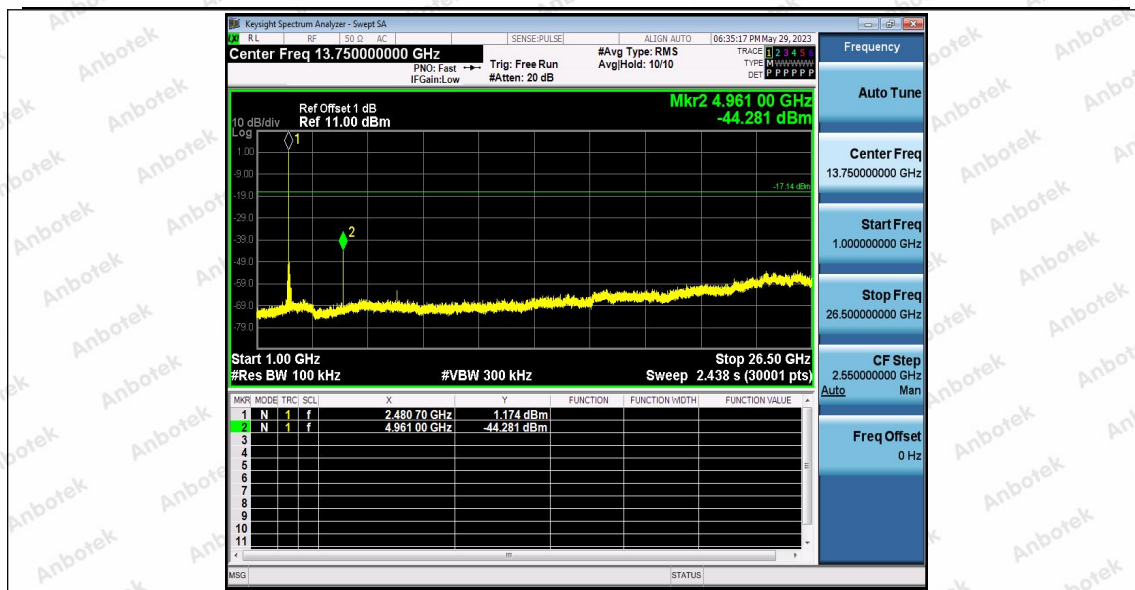


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Appendix G: Duty Cycle

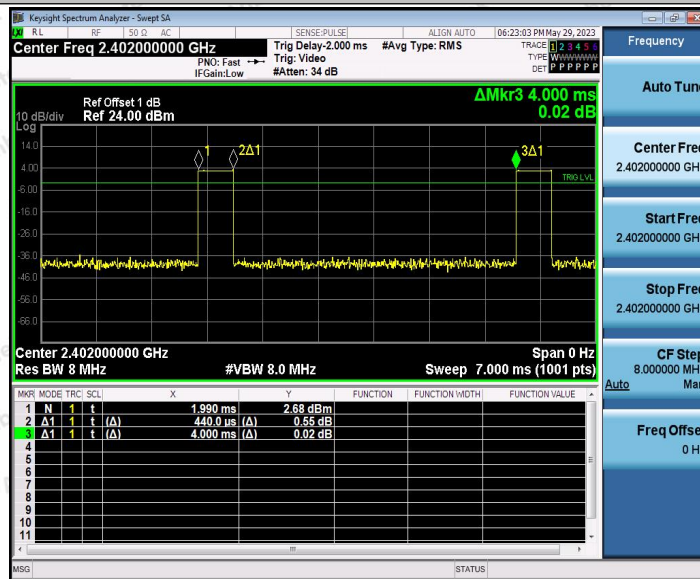
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.44	4.00	11.00	9.59
		2430	0.44	4.00	11.00	9.59
		2480	0.44	4.00	11.00	9.59

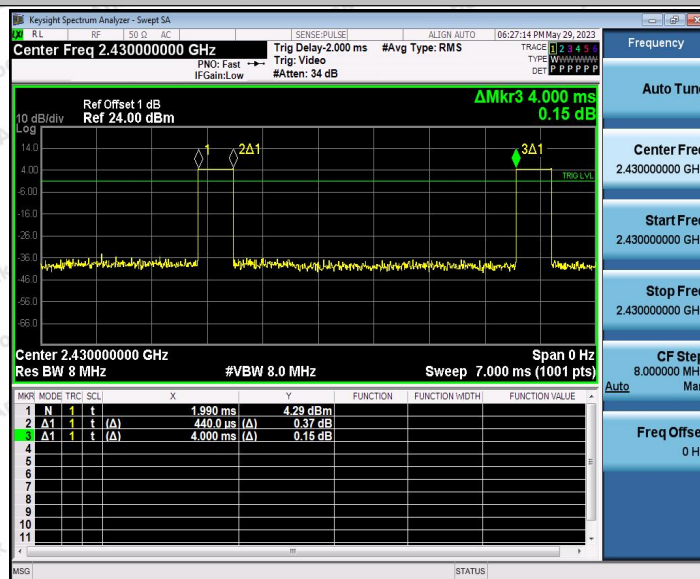


Test Graphs

2.4G_Ant1_2402

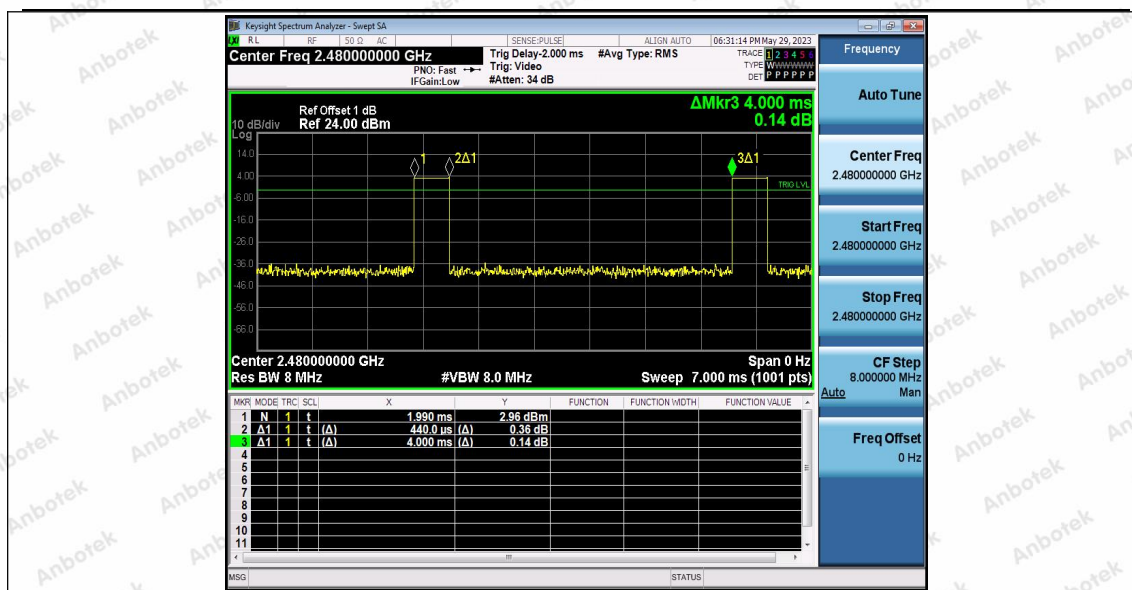


2.4G_Ant1_2430



2.4G_Ant1_2480





---End---

