

Appendix Test Data

Report No.:	18220WC30132001	Test Sample No.:	1-2-2
Start Test Date:	2023.06.29	Finish Test Date:	2023.07.04
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.0°C	Relative Humidity:	51%
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	2405	1.520	2404.352	2405.872	0.5	PASS
		2451	1.440	2450.356	2451.796	0.5	PASS
		2475	1.416	2474.408	2475.824	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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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	2405	2.2713	2403.9591	2406.2304
		2451	2.2748	2449.9783	2452.2531
		2475	2.2732	2473.9564	2476.2296



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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Appendix C: Maximum conducted output power

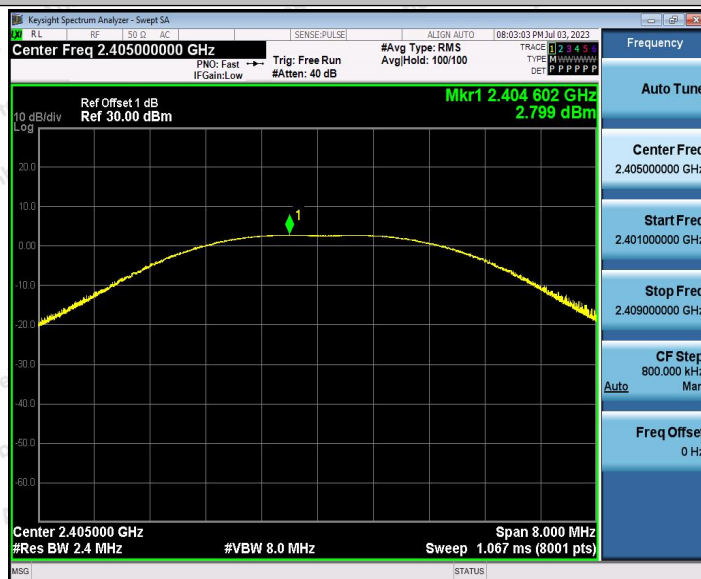
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	2.80	≤30	PASS
		2451	1.75	≤30	PASS
		2475	1.20	≤30	PASS

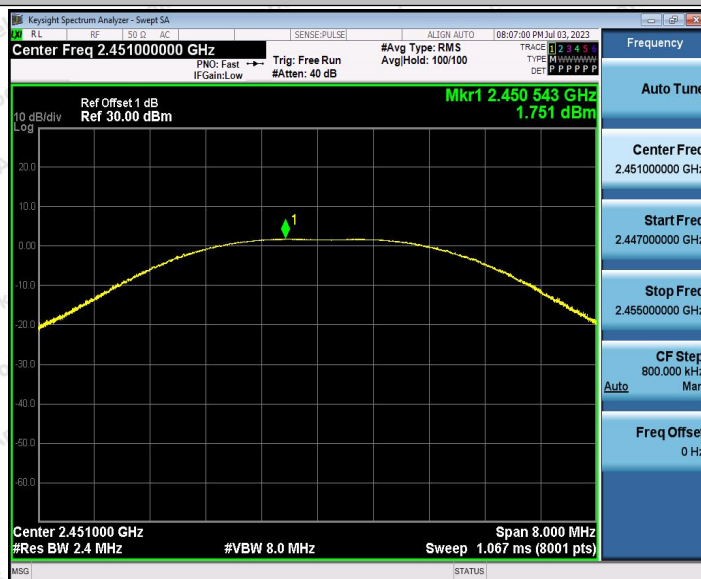


Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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Appendix D: Maximum power spectral density

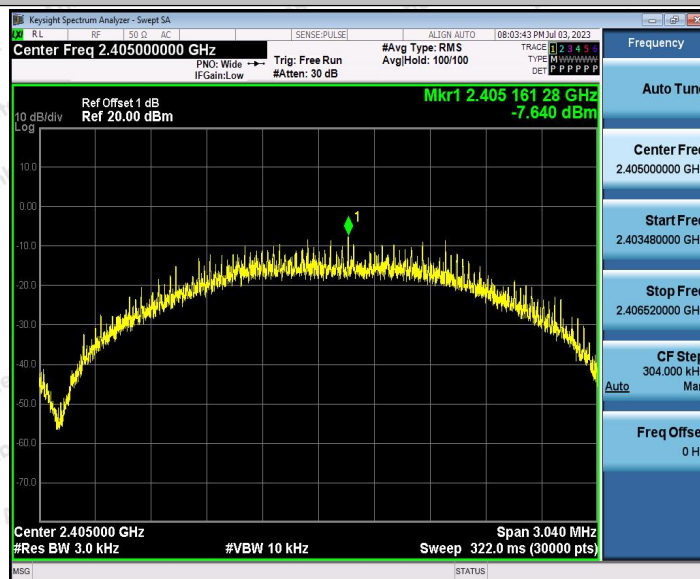
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-7.64	≤8.00	PASS
		2451	-8.80	≤8.00	PASS
		2475	-7.92	≤8.00	PASS

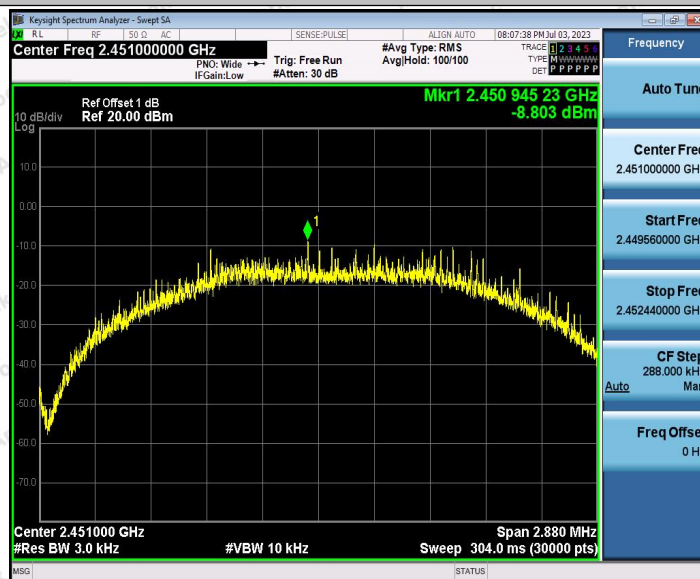


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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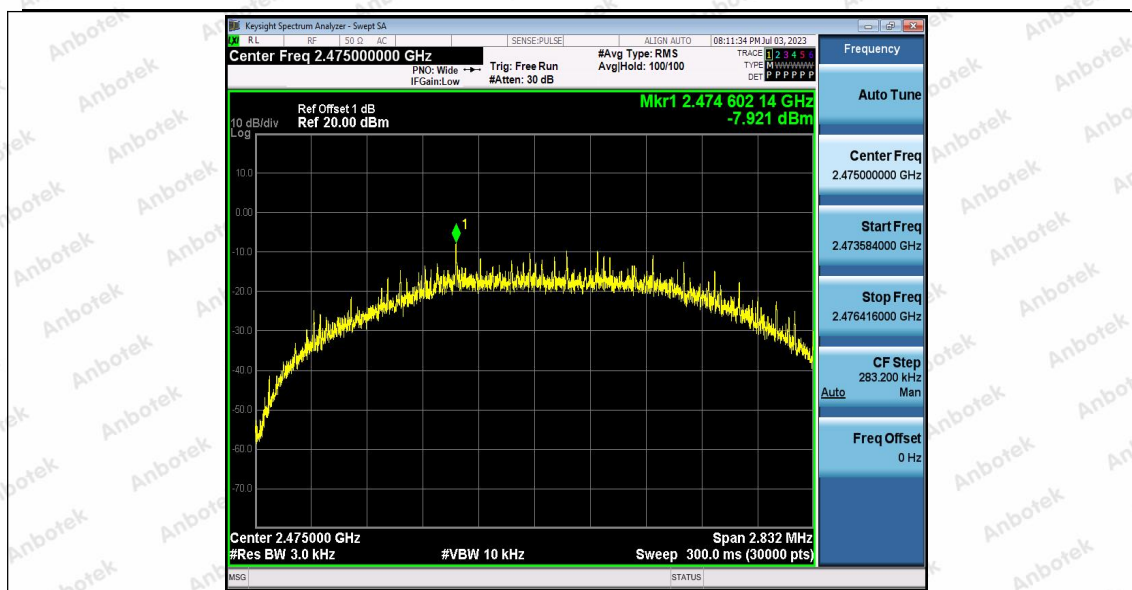


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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-8.17	-47.65	≤ -28.17	PASS
		High	2475	-0.94	-51.33	≤ -20.94	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	2405	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-66.41	≤-20.36	PASS
			1000~26500	-0.36	-25.98	≤-20.36	PASS
		2451	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-65.78	≤-22.25	PASS
			1000~26500	-2.25	-26.05	≤-22.25	PASS
		2475	Reference	-1.89	-1.89	---	PASS
			30~1000	-1.89	-65.05	≤-21.89	PASS
			1000~26500	-1.89	-24.34	≤-21.89	PASS

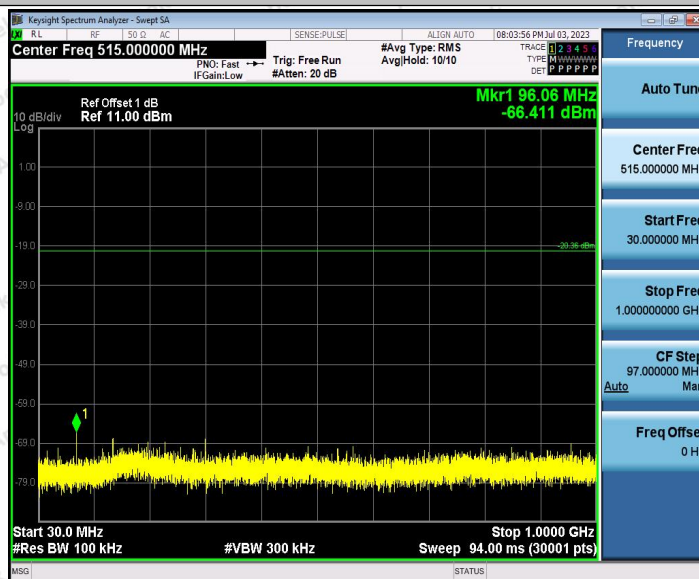


Test Graphs

2.4G_Ant1_2405_0~Reference



2.4G_Ant1_2405_30~1000



2.4G_Ant1_2405_1000~26500

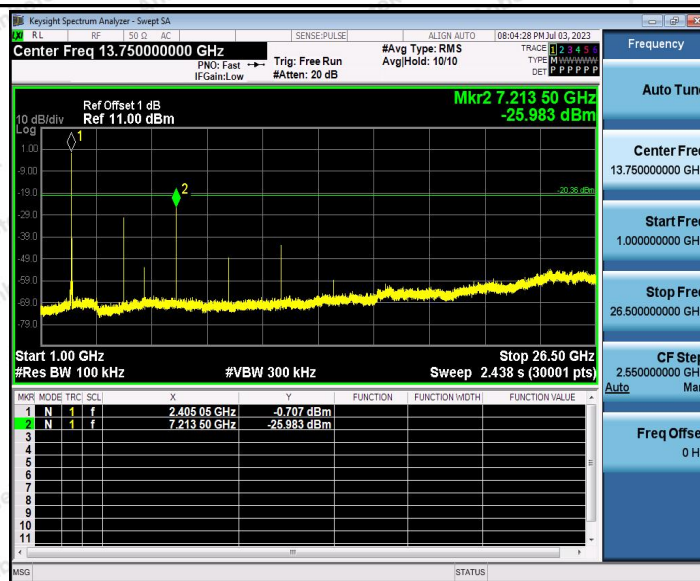
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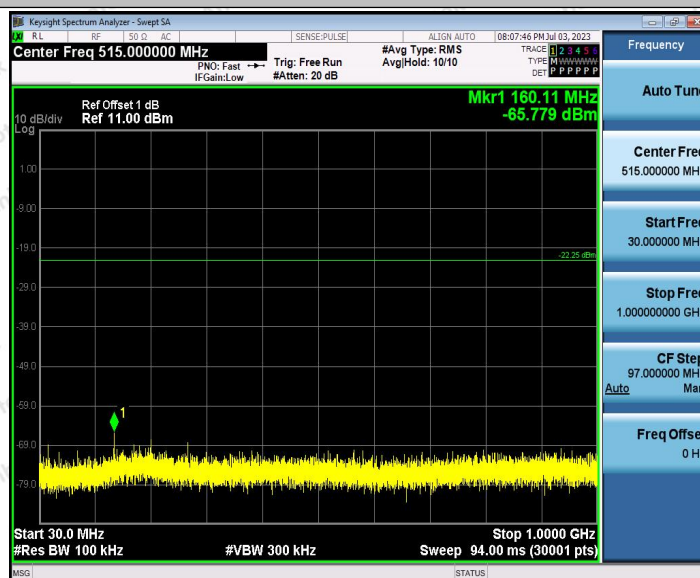




2.4G_Ant1_2451_0~Reference



2.4G_Ant1_2451_30~1000



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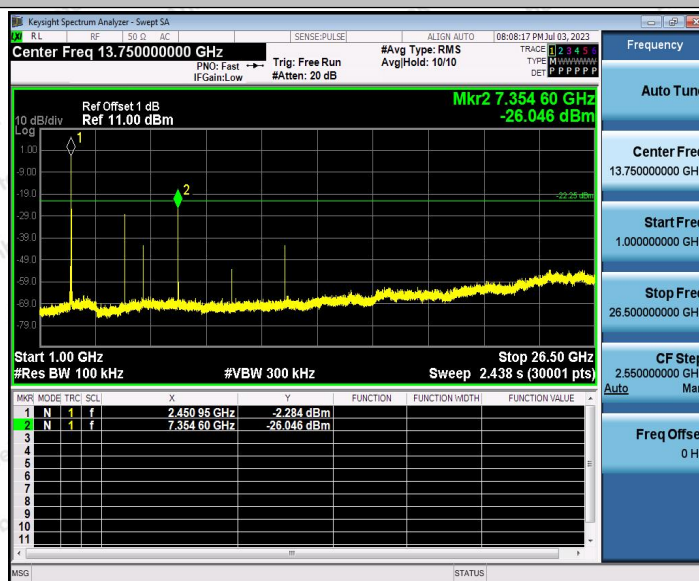
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2.4G_Ant1_2451_1000~26500



2.4G_Ant1_2475_0~Reference



2.4G_Ant1_2475_30~1000

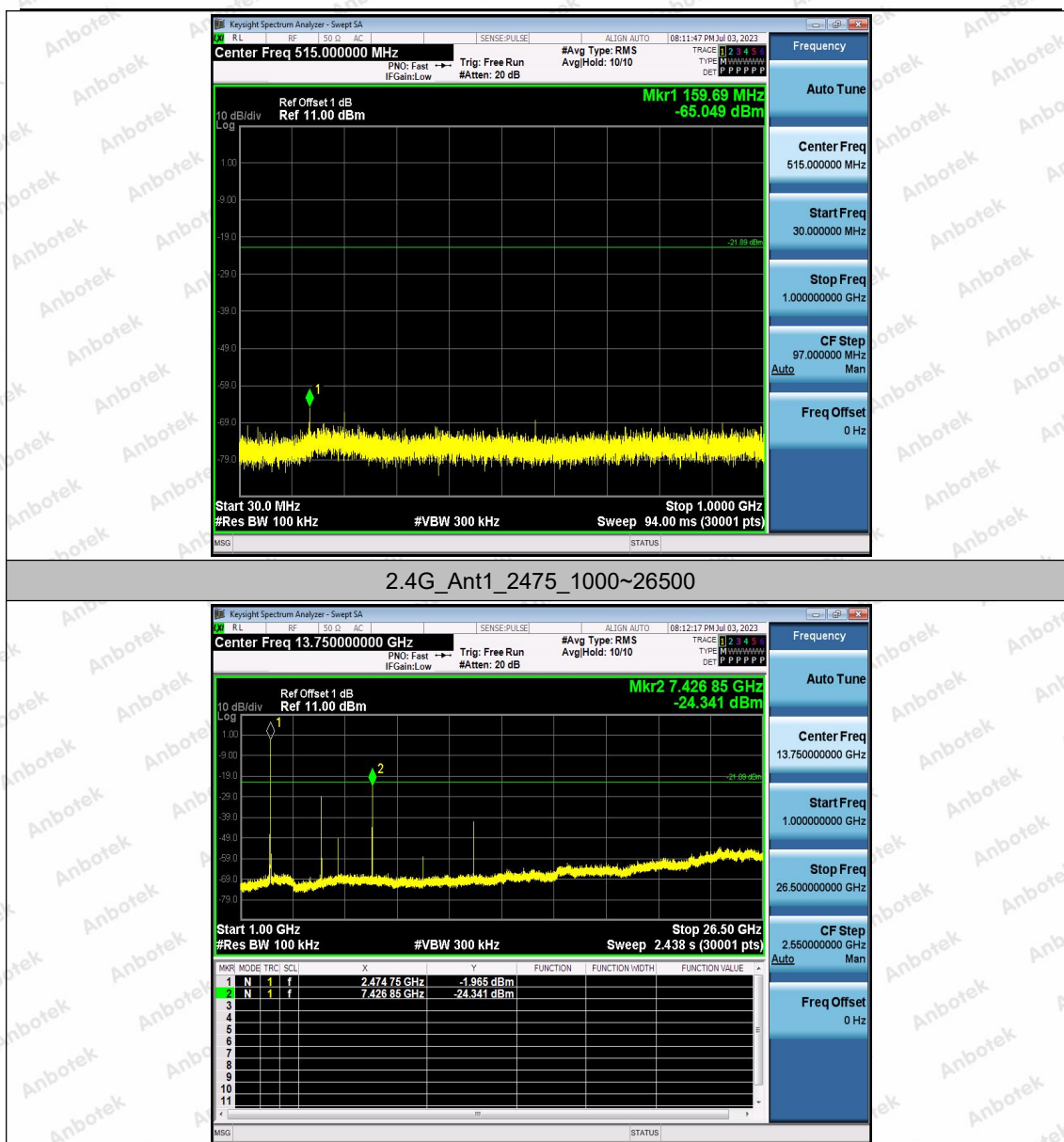
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	19.00	19.00	100	0.00
		2451	19.00	19.00	100	0.00
		2475	19.00	19.00	100	0.00

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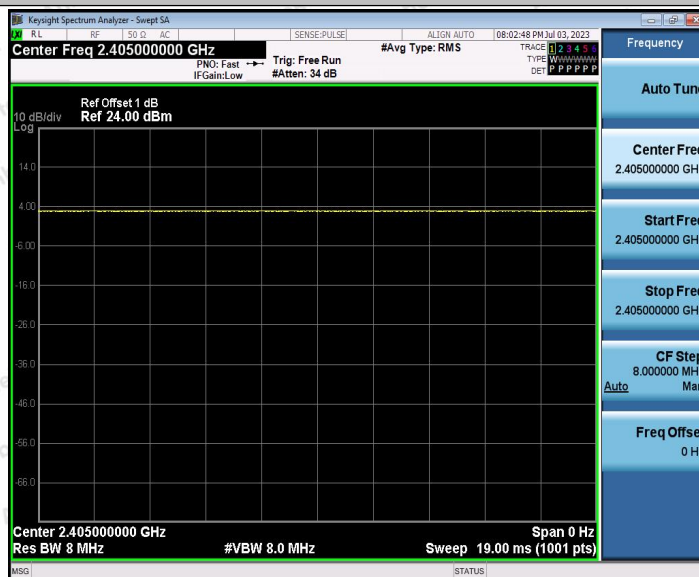


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Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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