

Appendix Test Data

Report No.:	1813C40025212501	Test Sample No.:	1-2-2
Start Test Date:	2024.08.26	Finish Test Date:	2024.08.26
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.448	2404.316	2405.764	0.5	PASS
2.4G	Ant1	2451	1.572	2450.244	2451.816	0.5	PASS
2.4G	Ant1	2475	1.336	2474.348	2475.684	0.5	PASS



Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	2.2293	2403.9148	2406.1441	---	---
2.4G	Ant1	2451	2.2843	2449.8813	2452.1656	---	---
2.4G	Ant1	2475	2.2938	2473.8802	2476.1740	---	---



Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2451



2.4G-Ant1-2475

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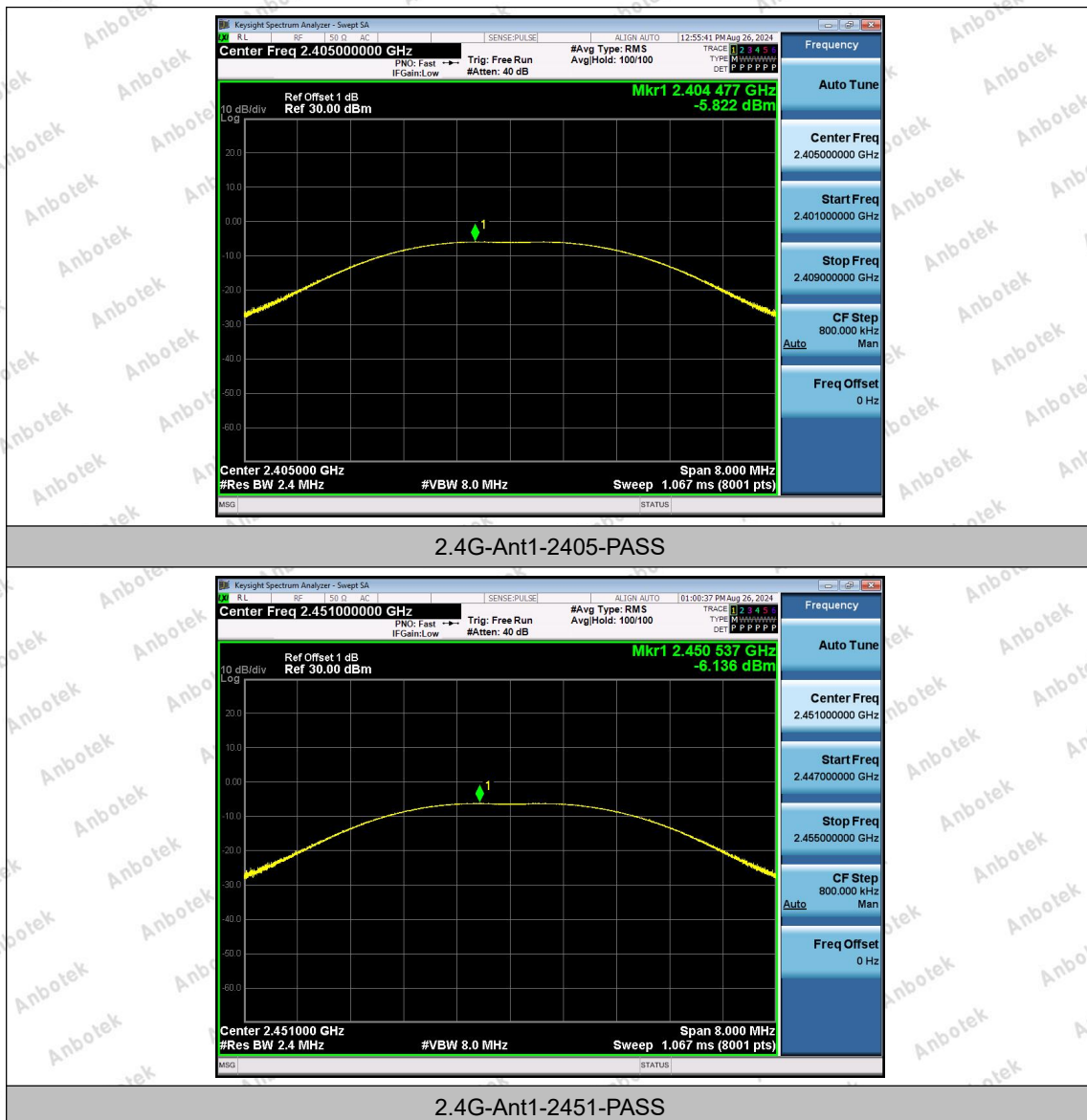


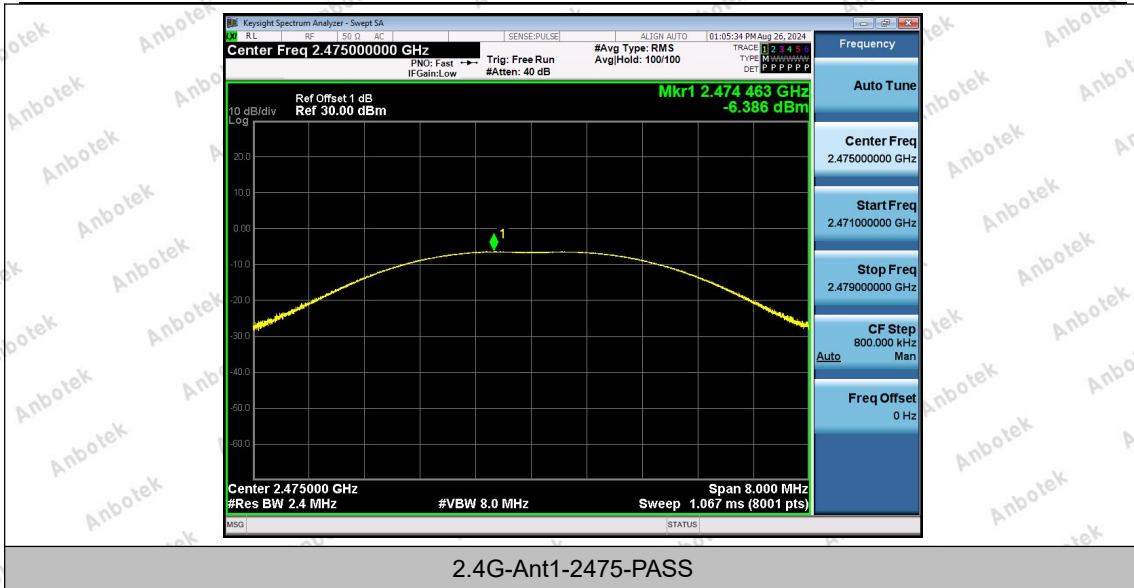
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-5.82	≤30	PASS
2.4G	Ant1	2451	-6.14	≤30	PASS
2.4G	Ant1	2475	-6.39	≤30	PASS

Test Graphs Peak





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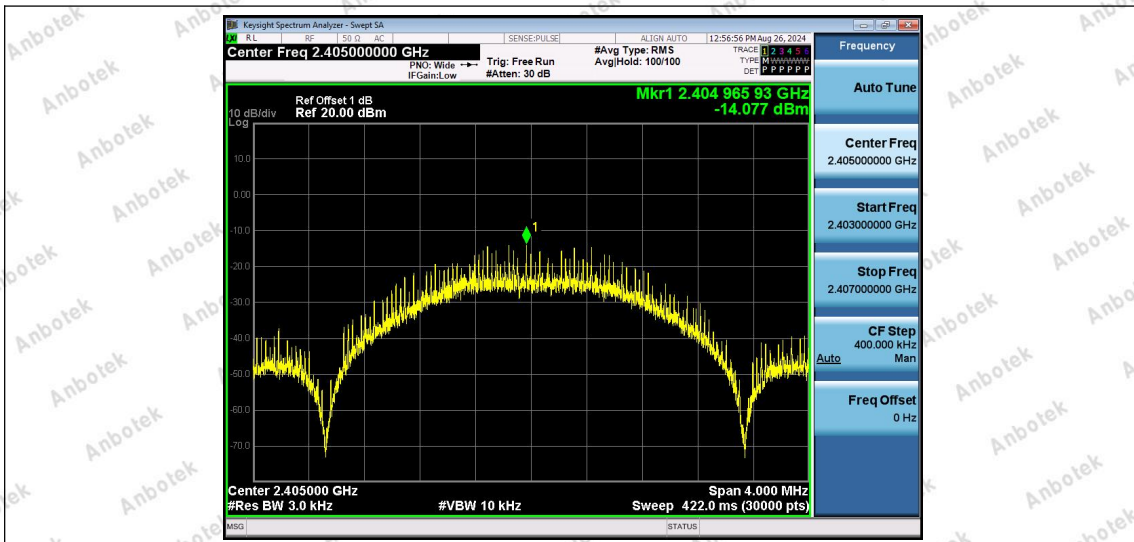
Appendix D: Maximum power spectral density

Test Result

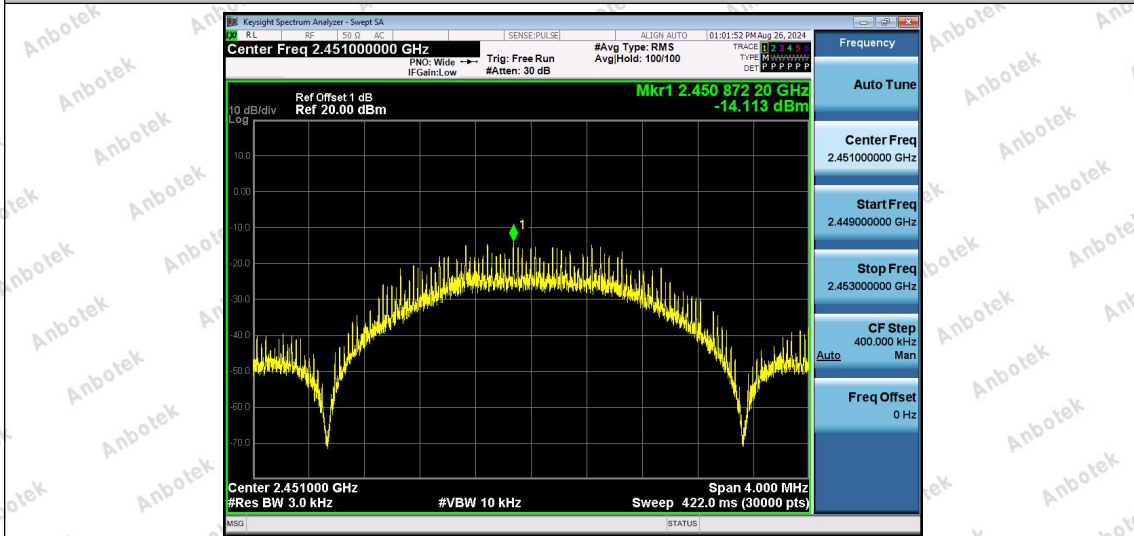
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-14.08	≤8.00	PASS
2.4G	Ant1	2451	-14.11	≤8.00	PASS
2.4G	Ant1	2475	-12.91	≤8.00	PASS



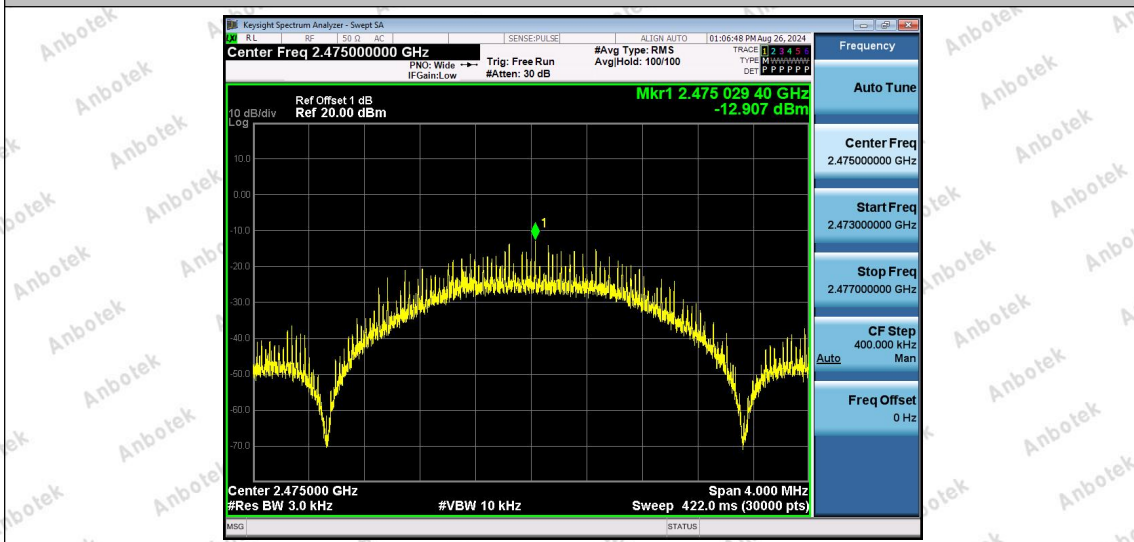
Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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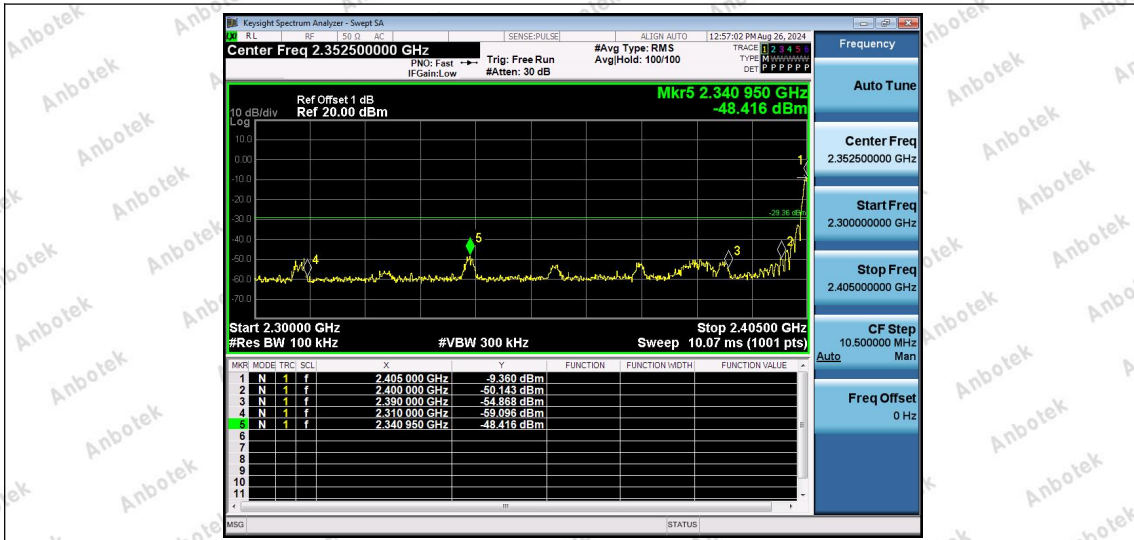
Appendix E: Band edge measurements

Test Result

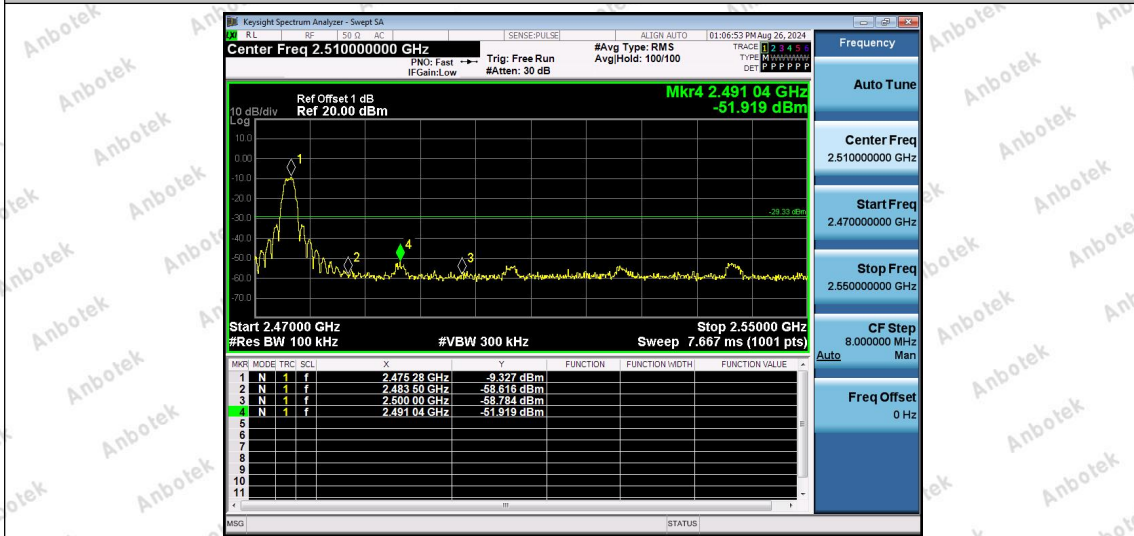
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-9.36	-48.42	≤-29.36	PASS
2.4G	Ant1	High	2475	-9.33	-51.92	≤-29.33	PASS



Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



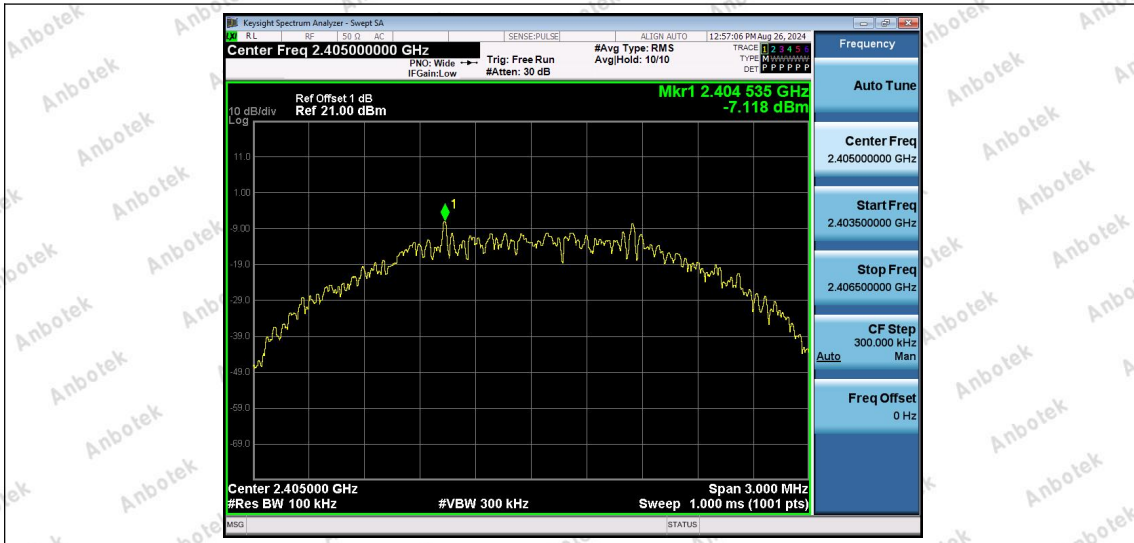
Appendix F: Conducted Spurious Emission

Test Result

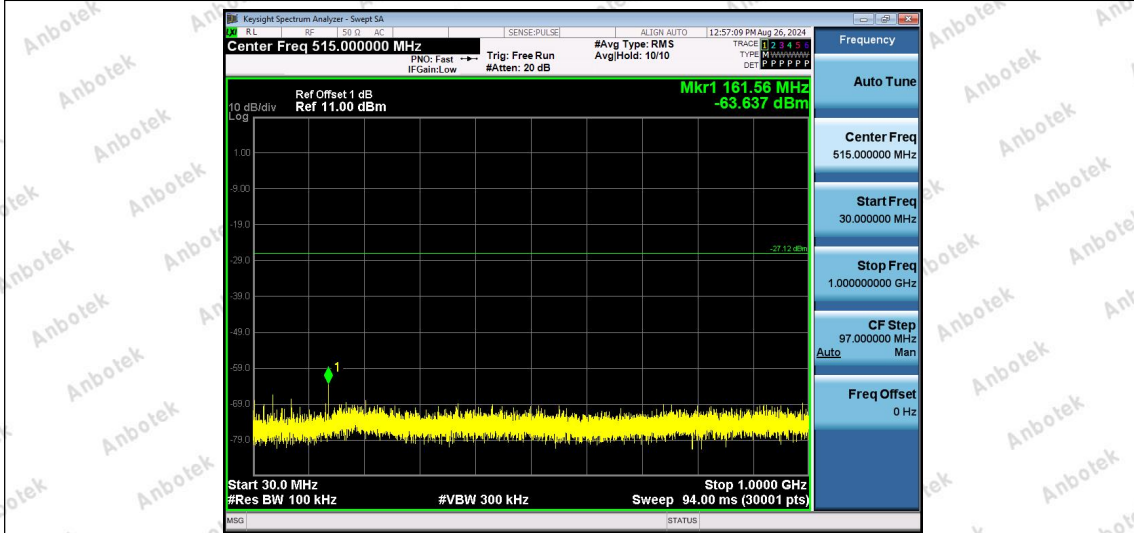
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	0~Reference	-7.12	-7.12	---	PASS
2.4G	Ant1	2405	30~1000	-7.12	-63.64	≤-27.12	PASS
2.4G	Ant1	2405	1000~26500	-7.12	-49.37	≤-27.12	PASS
2.4G	Ant1	2451	0~Reference	-9.98	-9.98	---	PASS
2.4G	Ant1	2451	30~1000	-9.98	-62.28	≤-29.98	PASS
2.4G	Ant1	2451	1000~26500	-9.98	-53.61	≤-29.98	PASS
2.4G	Ant1	2475	0~Reference	-11.07	-11.07	---	PASS
2.4G	Ant1	2475	30~1000	-11.07	-62.15	≤-31.07	PASS
2.4G	Ant1	2475	1000~26500	-11.07	-53.17	≤-31.07	PASS



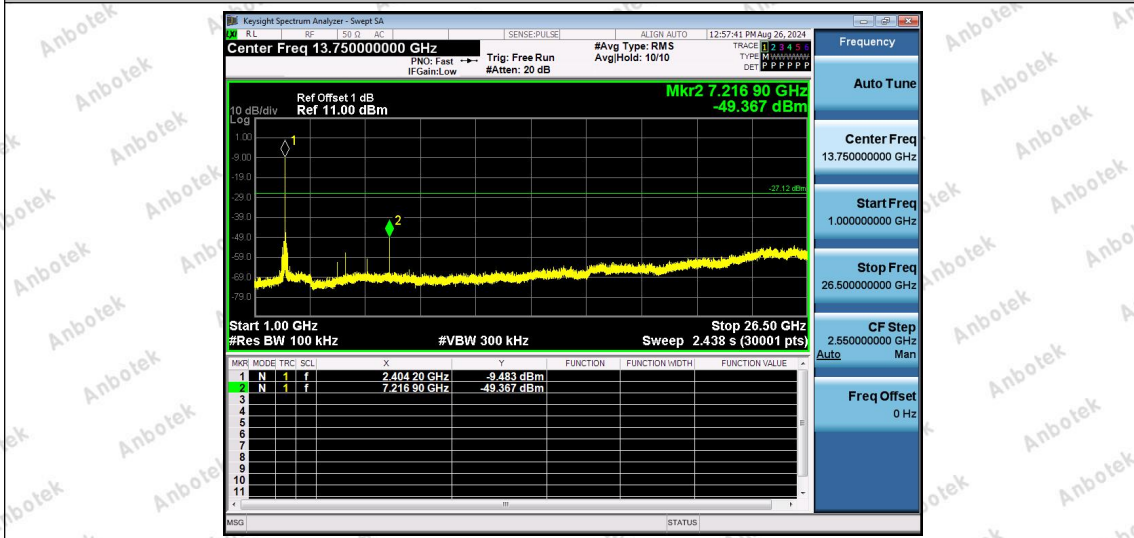
Test Graphs



2.4G-Ant1-2405-0~Reference-PASS



2.4G-Ant1-2405-30~1000-PASS



2.4G-Ant1-2405-1000~26500-PASS

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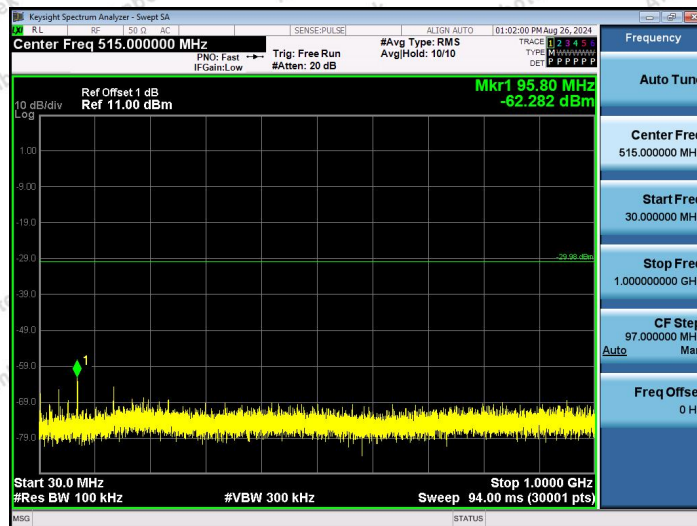
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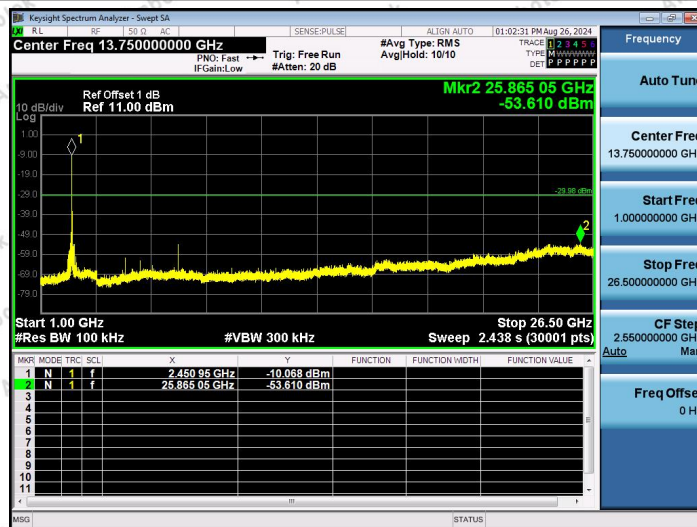




2.4G-Ant1-2451-0~Reference-PASS



2.4G-Ant1-2451-30~1000-PASS



2.4G-Ant1-2451-1000~26500-PASS

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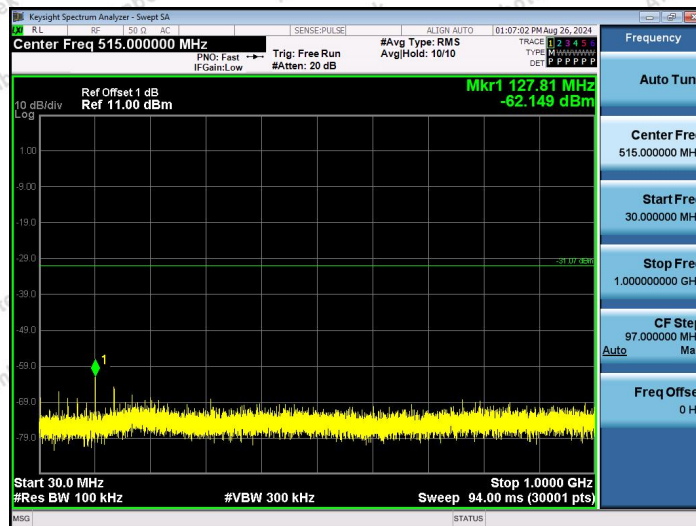


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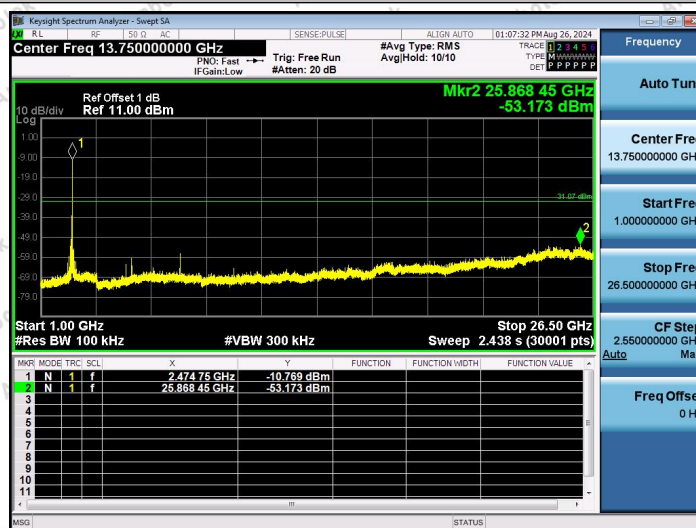




2.4G-Ant1-2475-0~Reference-PASS



2.4G-Ant1-2475-30~1000-PASS



2.4G-Ant1-2475-1000~26500-PASS



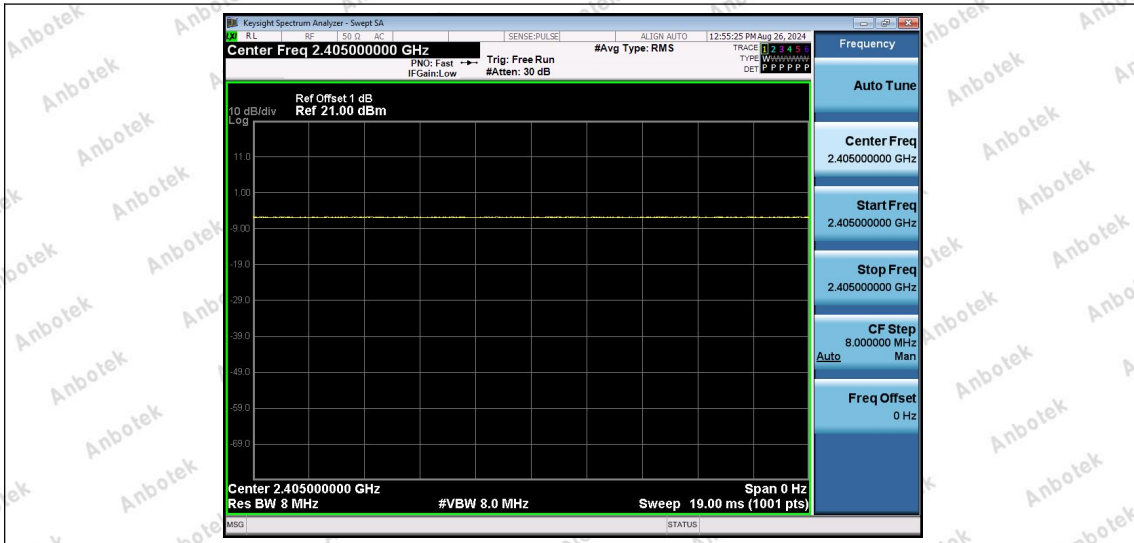
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	19	19	100	0
2.4G	Ant1	2451	19	19	100	0
2.4G	Ant1	2475	19	19	100	0



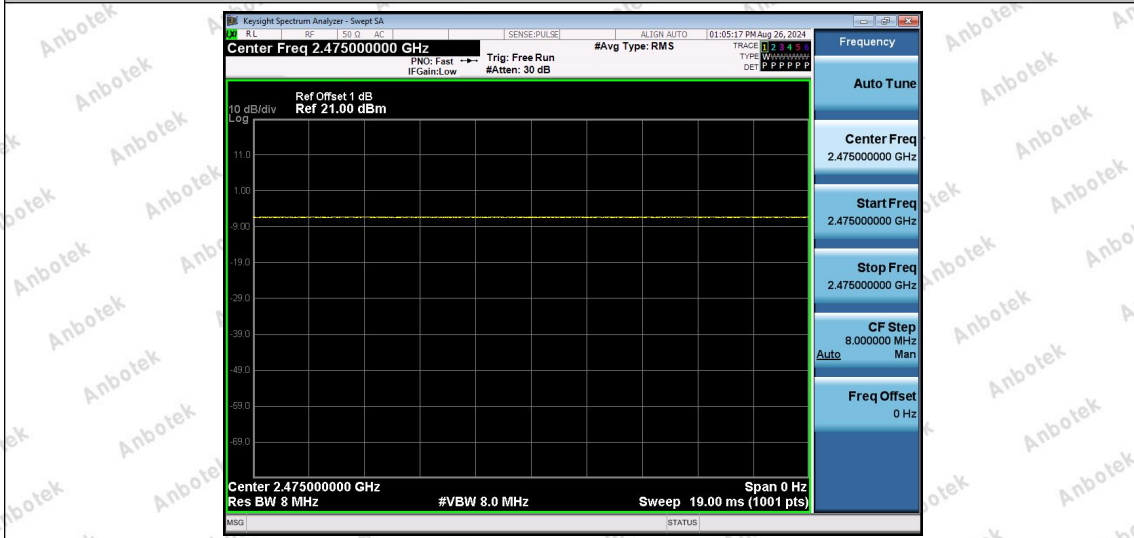
Test Graphs



NTNV-2.4G-Ant1-2405



NTNV-2.4G-Ant1-2451



NTNV-2.4G-Ant1-2475

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