

Appendix Test Data

Report No.:	1813C40024512501	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	1.456	2404.324	2405.780	0.5	PASS
2.4G	Ant1	2451	1.512	2450.276	2451.788	0.5	PASS
2.4G	Ant1	2475	1.544	2474.296	2475.840	0.5	PASS



Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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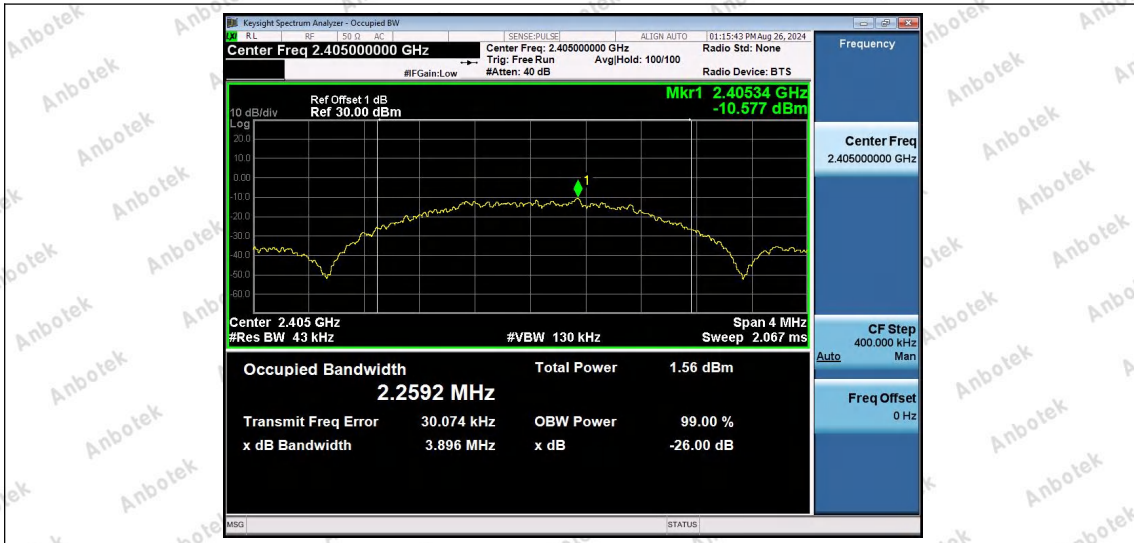
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	2.2592	2403.9005	2406.1597	---	---
2.4G	Ant1	2451	2.2926	2449.8819	2452.1745	---	---
2.4G	Ant1	2475	2.2808	2473.8983	2476.1791	---	---



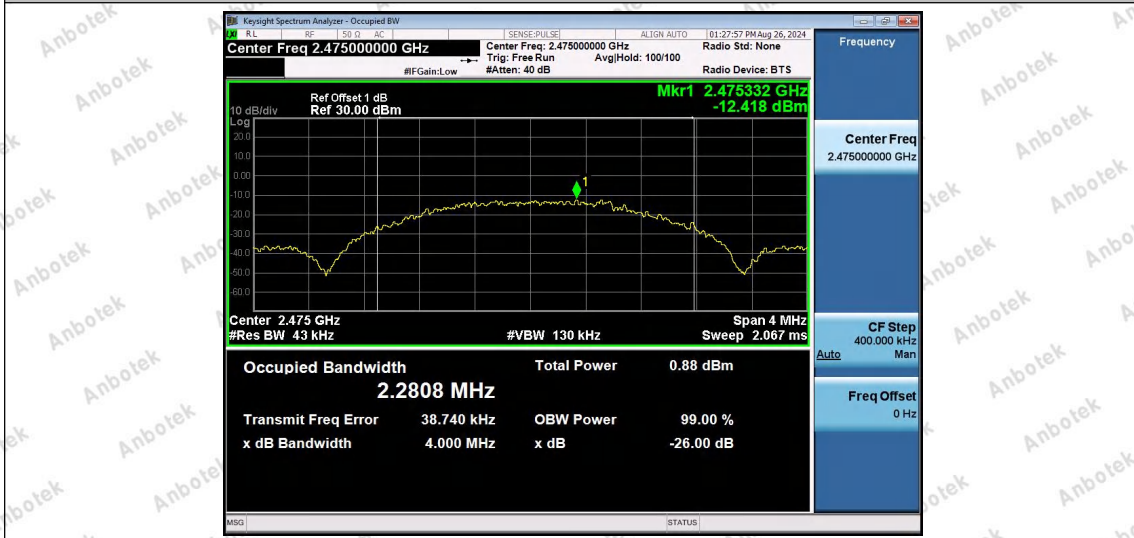
Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2451



2.4G-Ant1-2475

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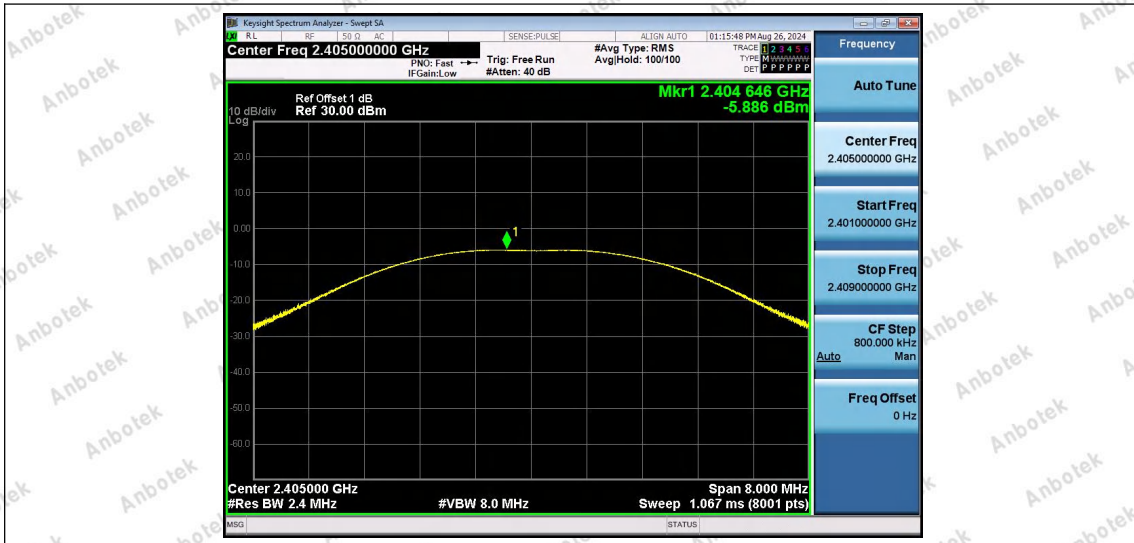
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-5.89	≤30	PASS
2.4G	Ant1	2451	-6.17	≤30	PASS
2.4G	Ant1	2475	-6.37	≤30	PASS



Test Graphs Peak



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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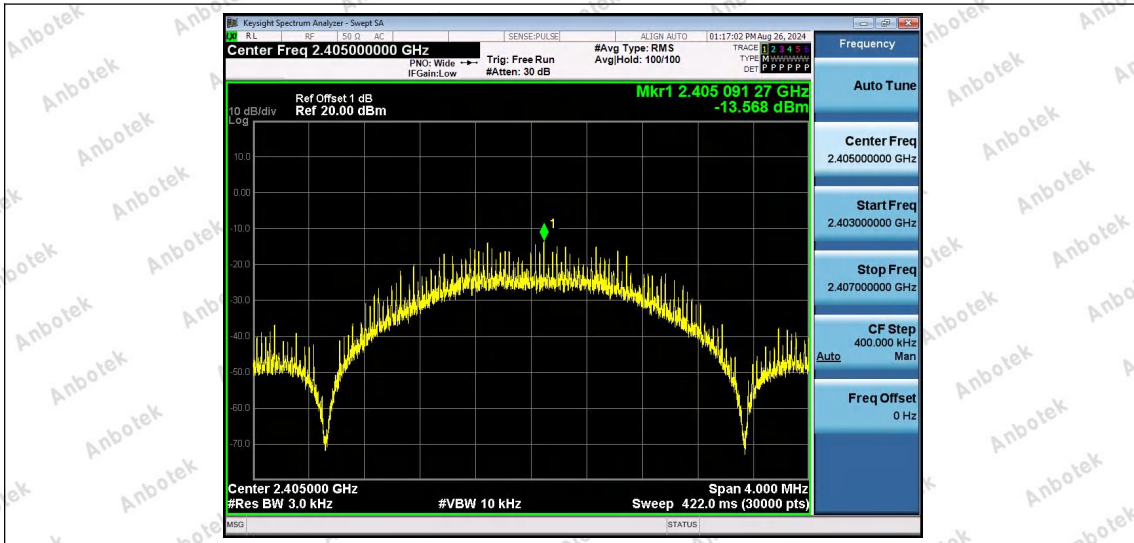
Appendix D: Maximum power spectral density

Test Result

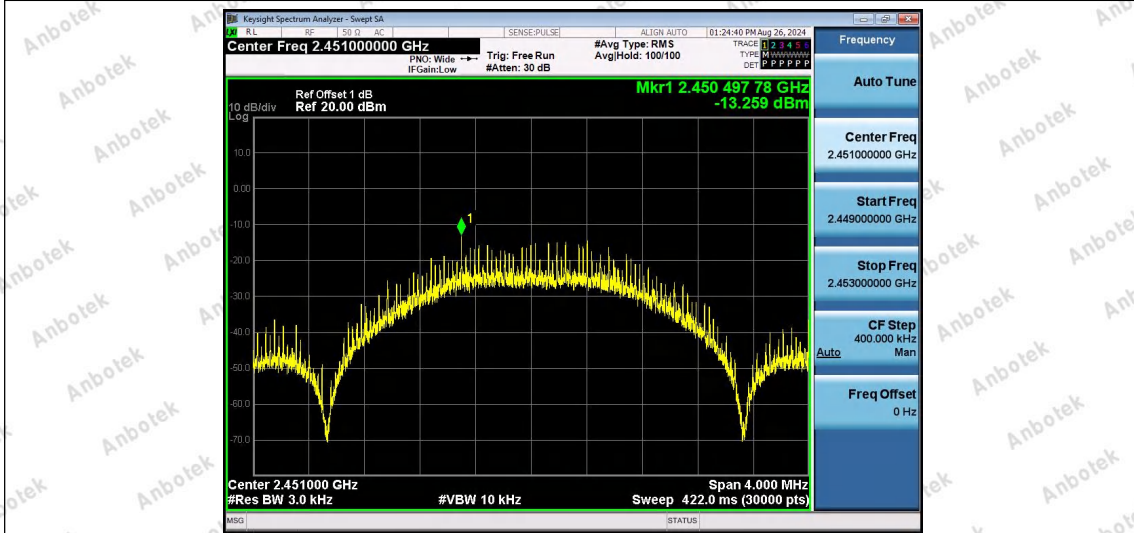
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-13.57	≤8.00	PASS
2.4G	Ant1	2451	-13.26	≤8.00	PASS
2.4G	Ant1	2475	-13.37	≤8.00	PASS



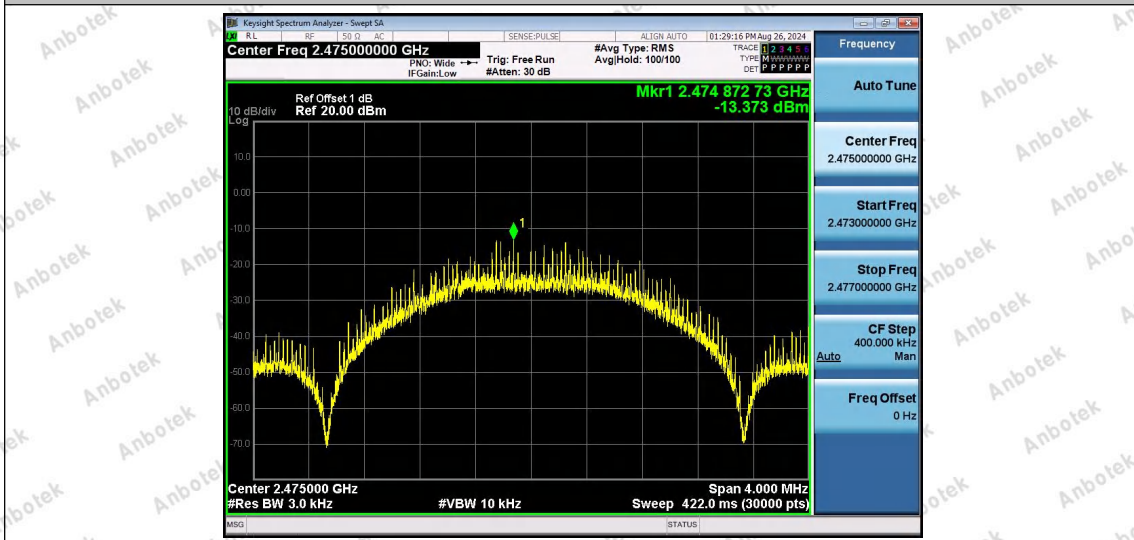
Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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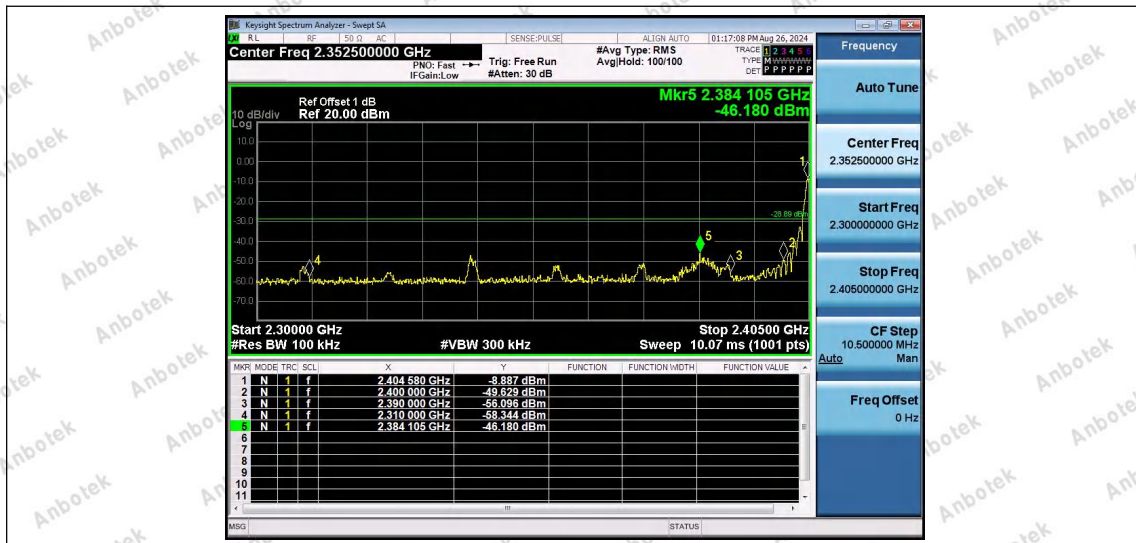


Appendix E: Band edge measurements

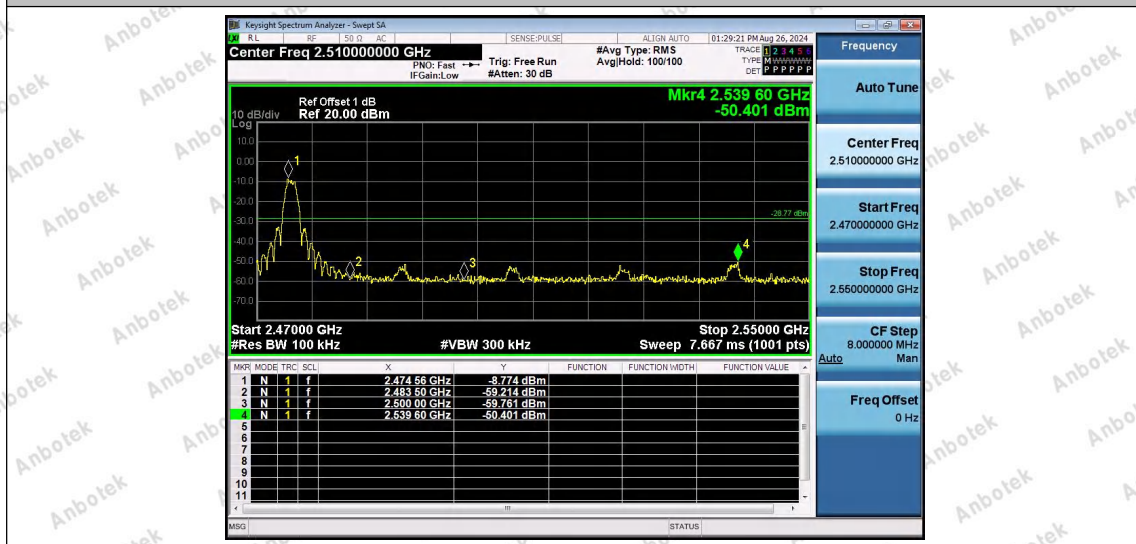
Test Result

TestMod	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-8.89	-46.18	≤-28.89	PASS
2.4G	Ant1	High	2475	-8.77	-50.4	≤-28.77	PASS

Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



Appendix F: Conducted Spurious Emission

Test Result

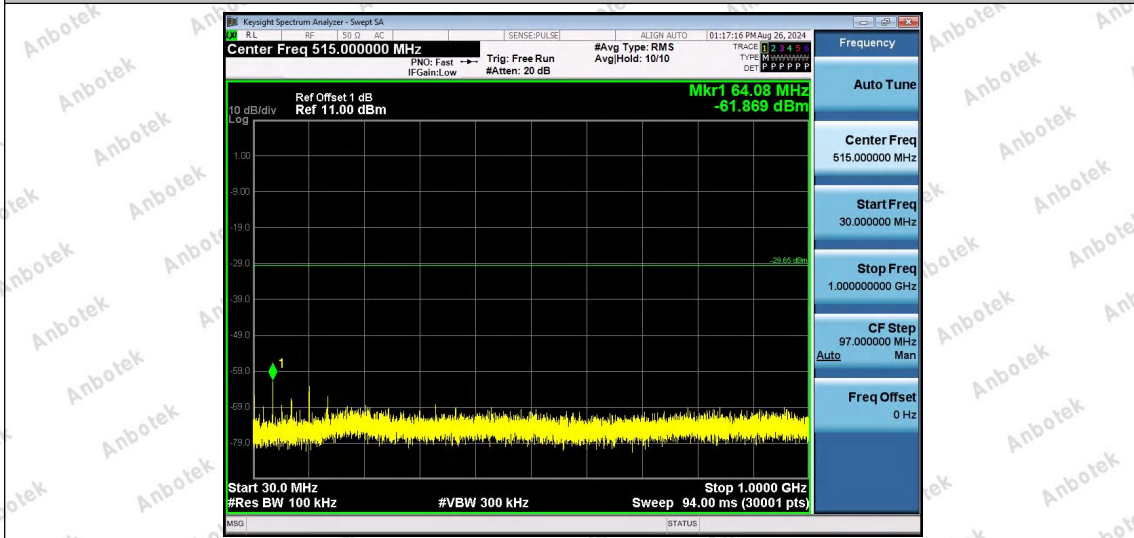
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	0~Reference	-9.65	-9.65	---	PASS
2.4G	Ant1	2405	30~1000	-9.65	-61.87	≤-29.65	PASS
2.4G	Ant1	2405	1000~26500	-9.65	-47.84	≤-29.65	PASS
2.4G	Ant1	2451	0~Reference	-10.77	-10.77	---	PASS
2.4G	Ant1	2451	30~1000	-10.77	-61.56	≤-30.77	PASS
2.4G	Ant1	2451	1000~26500	-10.77	-45.21	≤-30.77	PASS
2.4G	Ant1	2475	0~Reference	-10.49	-10.49	---	PASS
2.4G	Ant1	2475	30~1000	-10.49	-62.54	≤-30.49	PASS
2.4G	Ant1	2475	1000~26500	-10.49	-40.38	≤-30.49	PASS



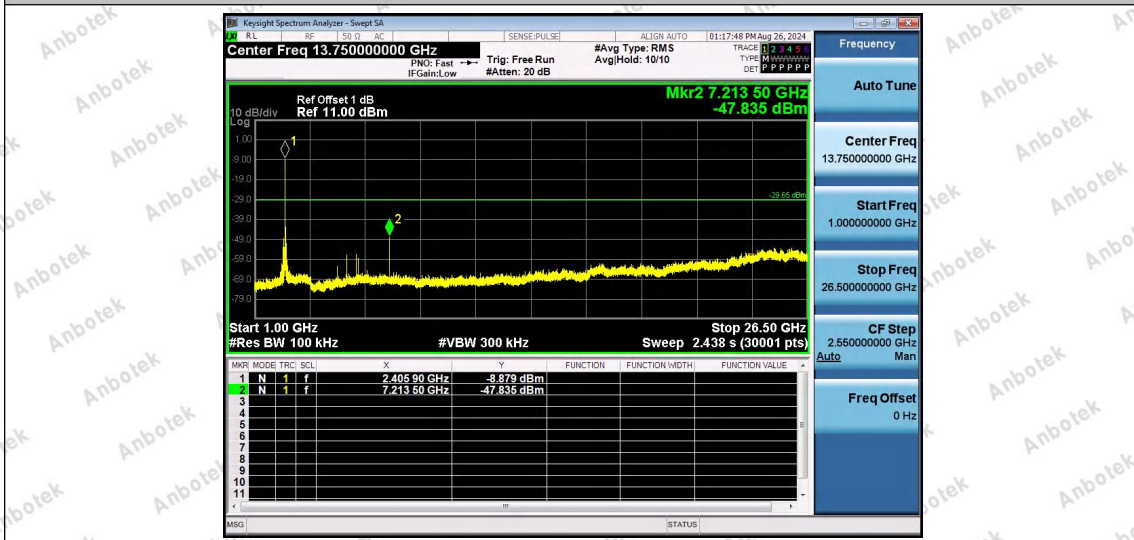
Test Graphs



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



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



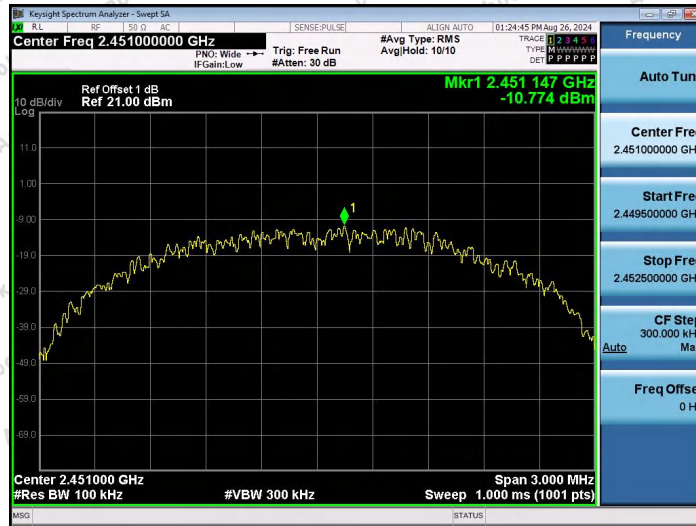
2.4G-Ant1-2405-1000~26500-PASS

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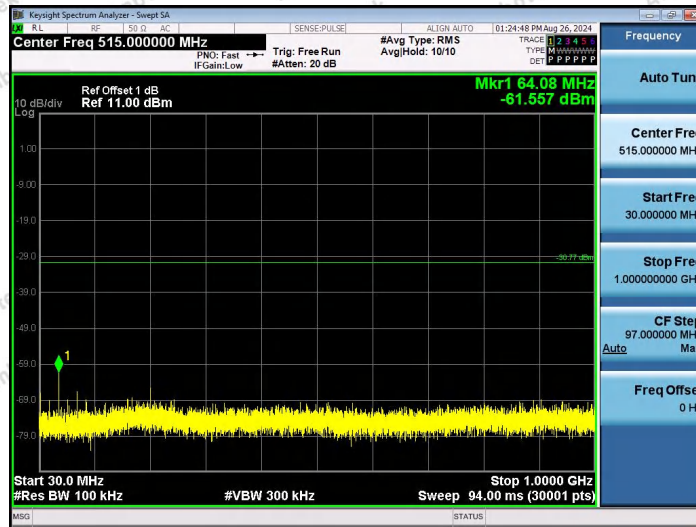
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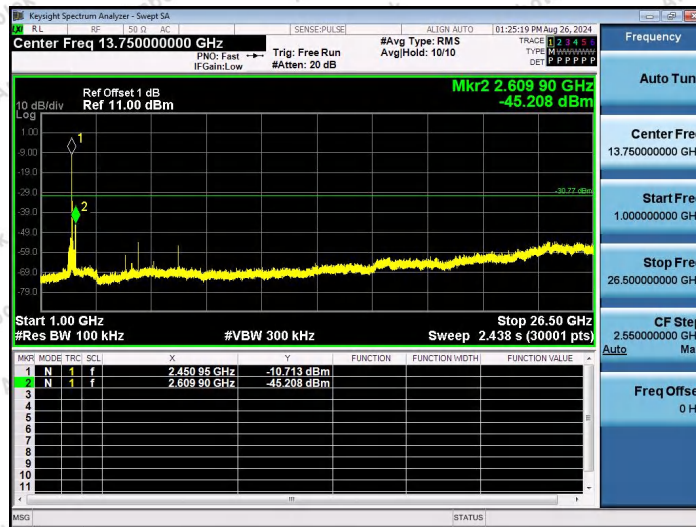




2.4G-Ant1-2451-0~Reference-PASS



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



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

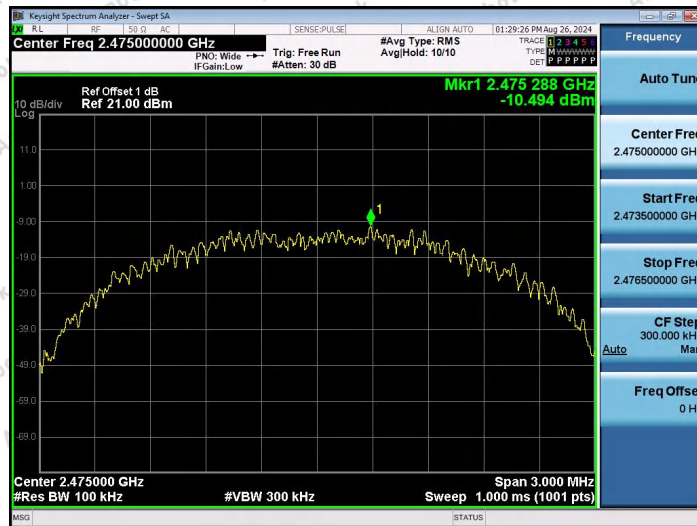
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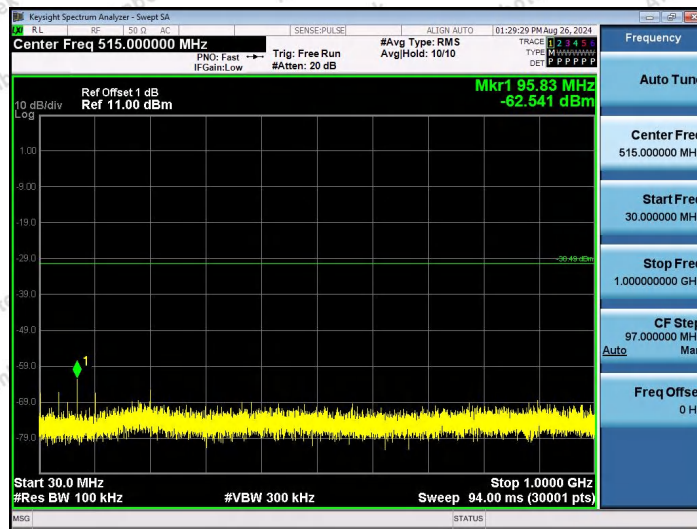


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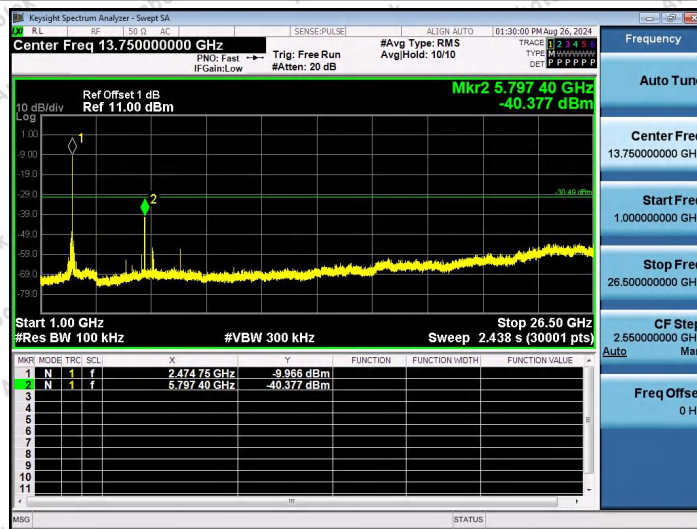




2.4G-Ant1-2475-0~Reference-PASS



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



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

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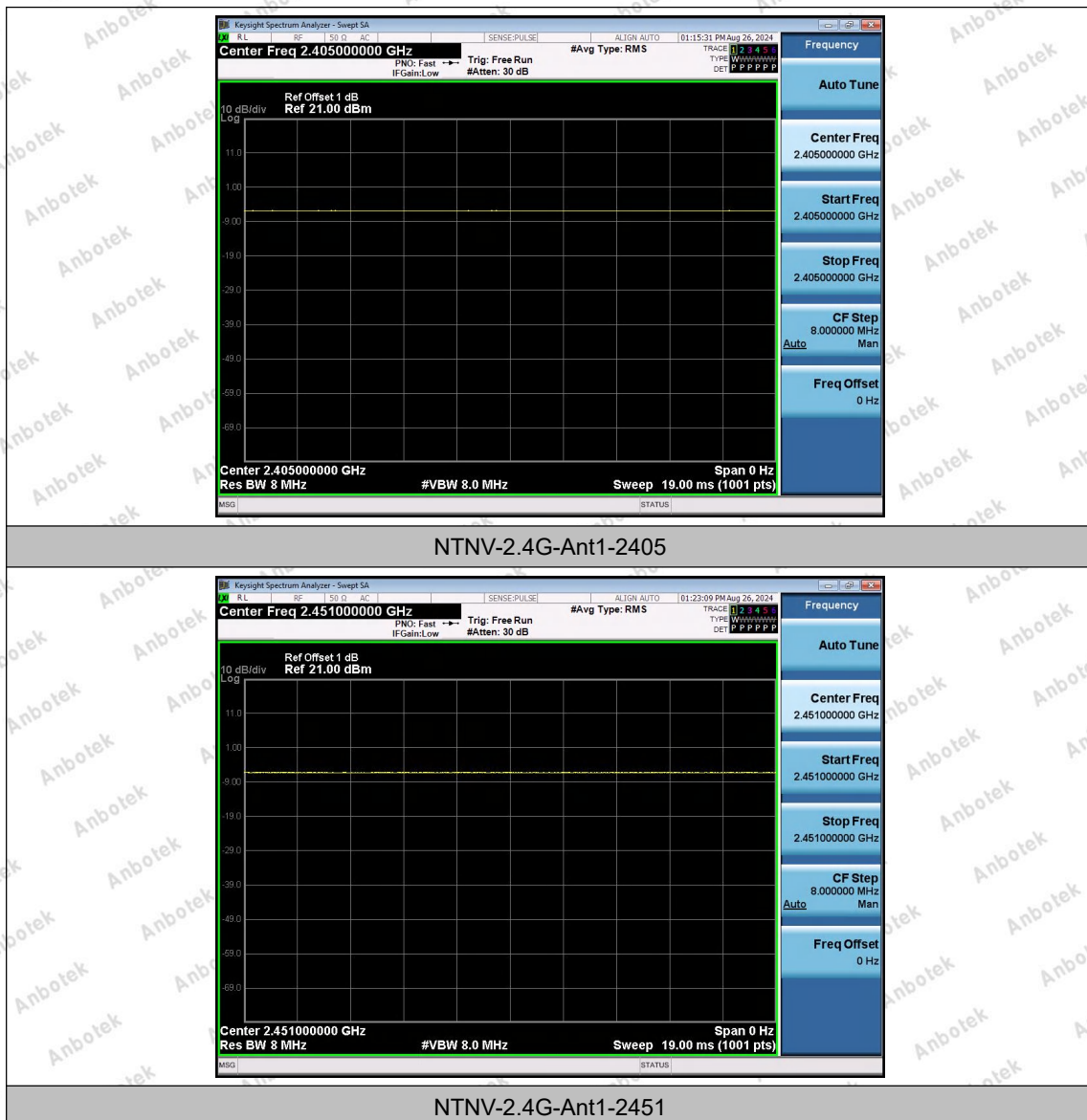


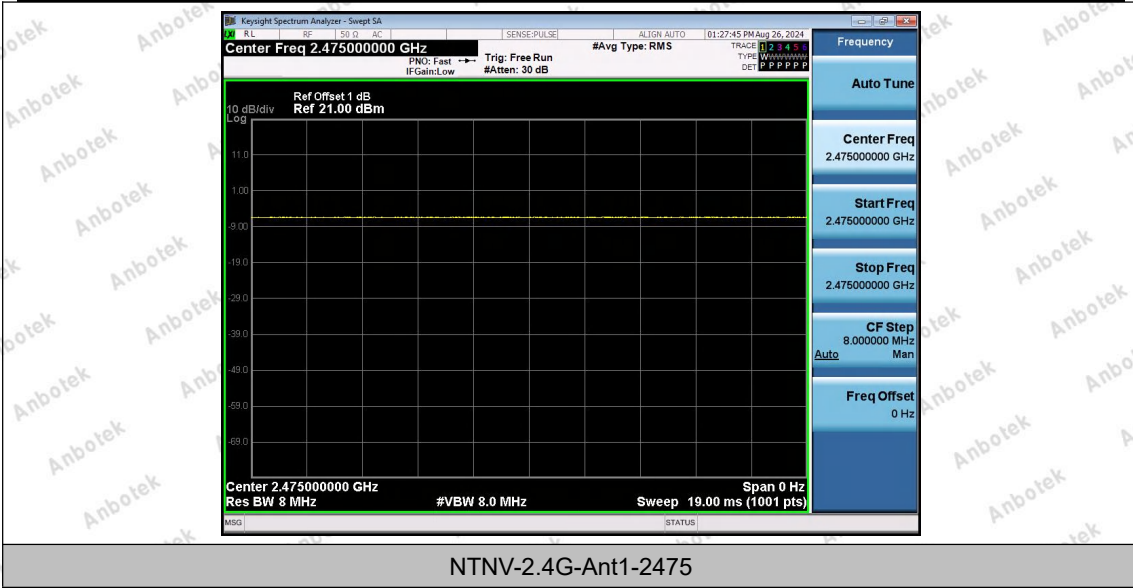
Appendix G: Duty Cycle

Test Result

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

Test Graphs





---End---

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