

Appendix Test Data

Report No.:	1813C40025612501	Test Sample No.:	1-2-2
Start Test Date:	2024.08.26	Finish Test Date:	2024.08.26
Test Engineer:	Joker Wang	Auditor:	Justin Feng
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	1.528	2404.308	2405.836	0.5	PASS
2.4G	Ant1	2451	1.548	2450.264	2451.812	0.5	PASS
2.4G	Ant1	2475	1.440	2474.304	2475.744	0.5	PASS



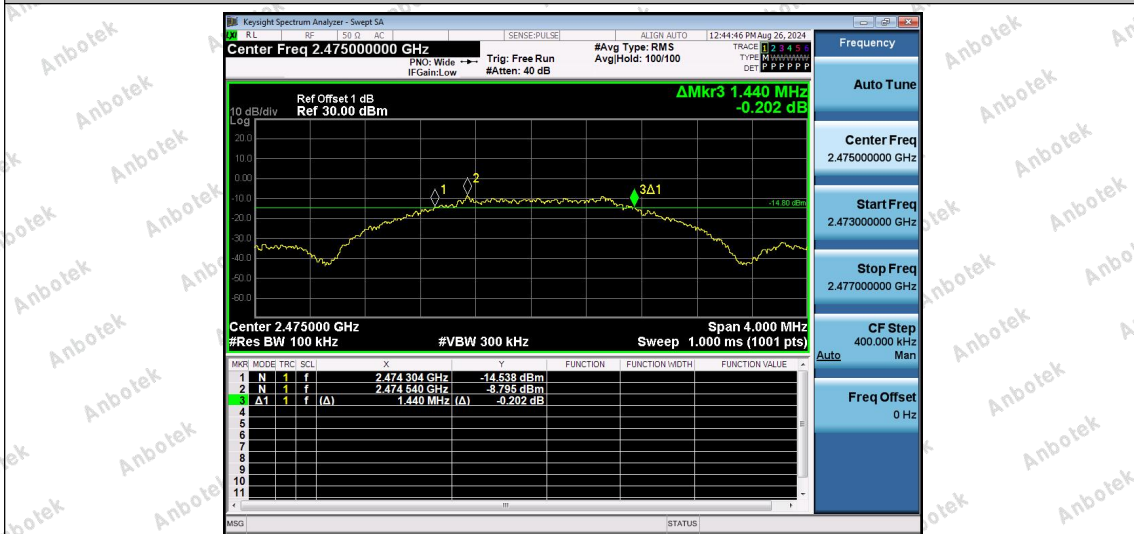
Test Graphs



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	2.2847	2403.8874	2406.1721	---	---
2.4G	Ant1	2451	2.2670	2449.8861	2452.1531	---	---
2.4G	Ant1	2475	2.2818	2473.8829	2476.1647	---	---



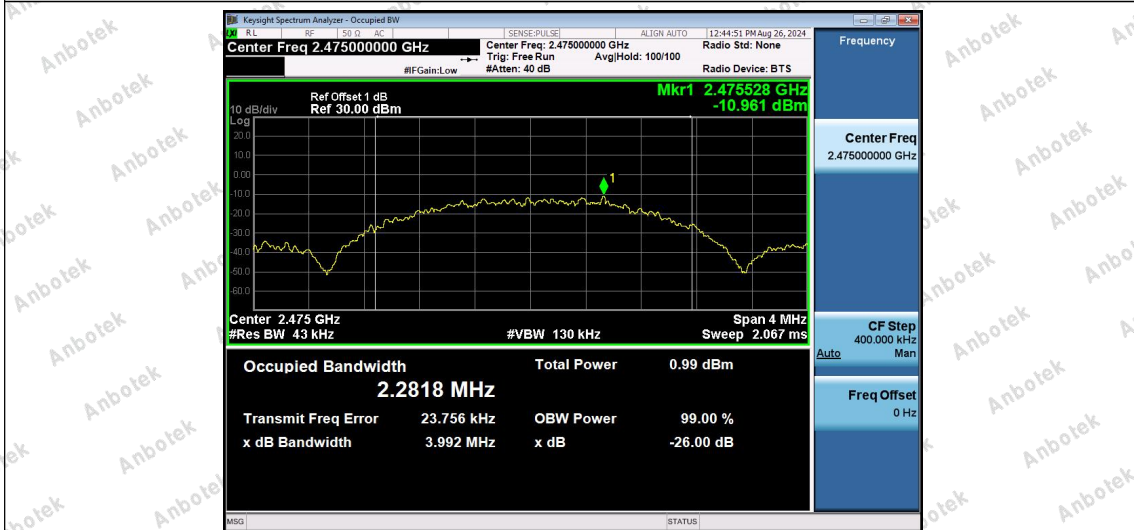
Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2451



2.4G-Ant1-2475

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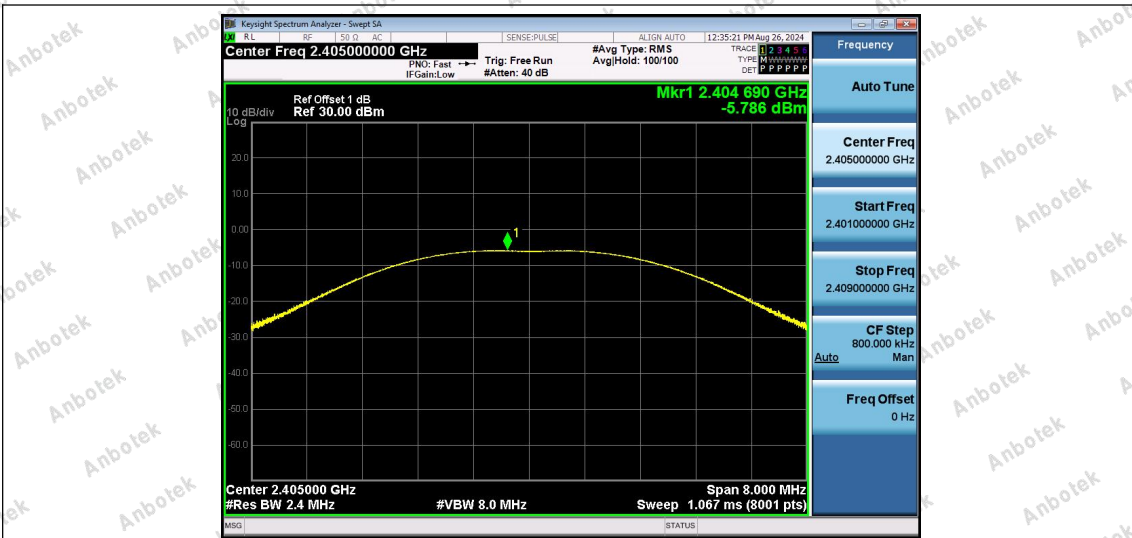
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-5.79	≤30	PASS
2.4G	Ant1	2451	-6.07	≤30	PASS
2.4G	Ant1	2475	-6.28	≤30	PASS



Test Graphs Peak



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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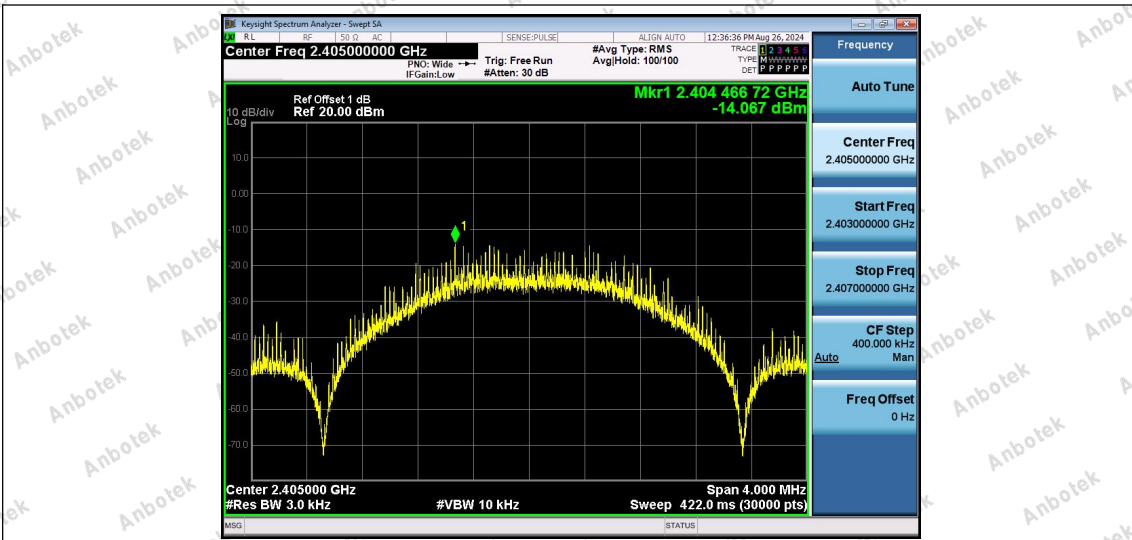
Appendix D: Maximum power spectral density

Test Result

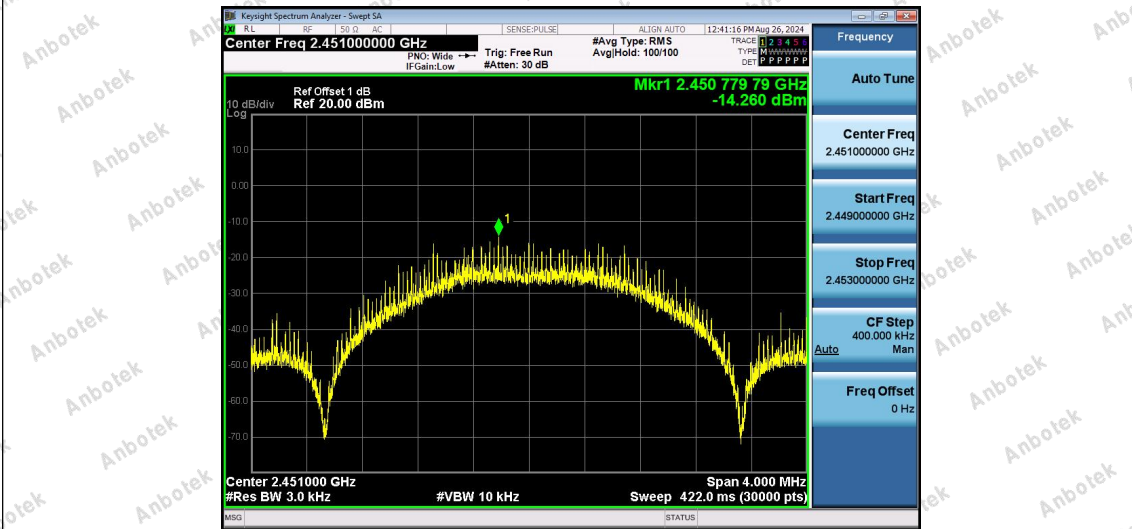
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-14.07	≤8.00	PASS
2.4G	Ant1	2451	-14.26	≤8.00	PASS
2.4G	Ant1	2475	-12.84	≤8.00	PASS



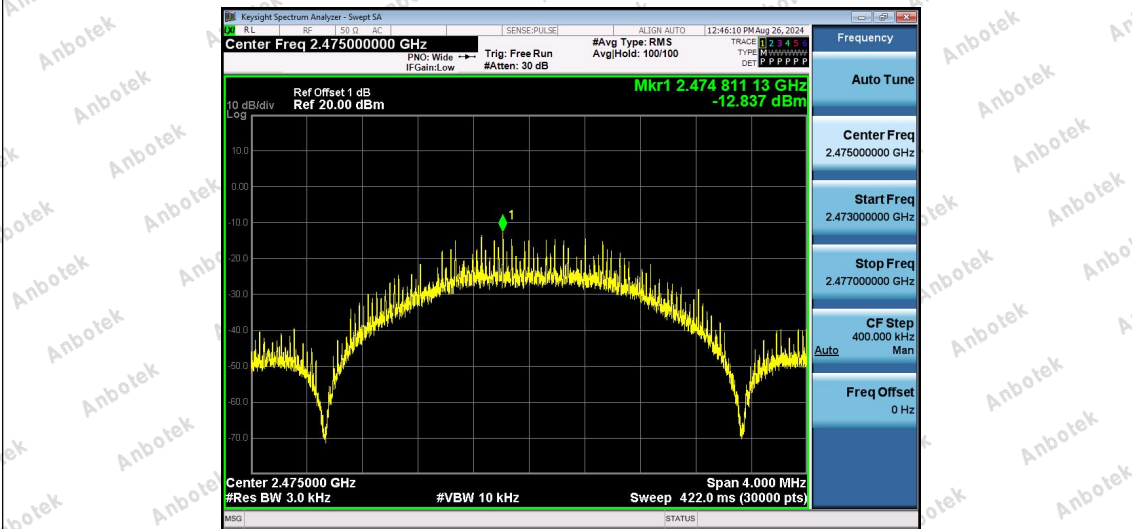
Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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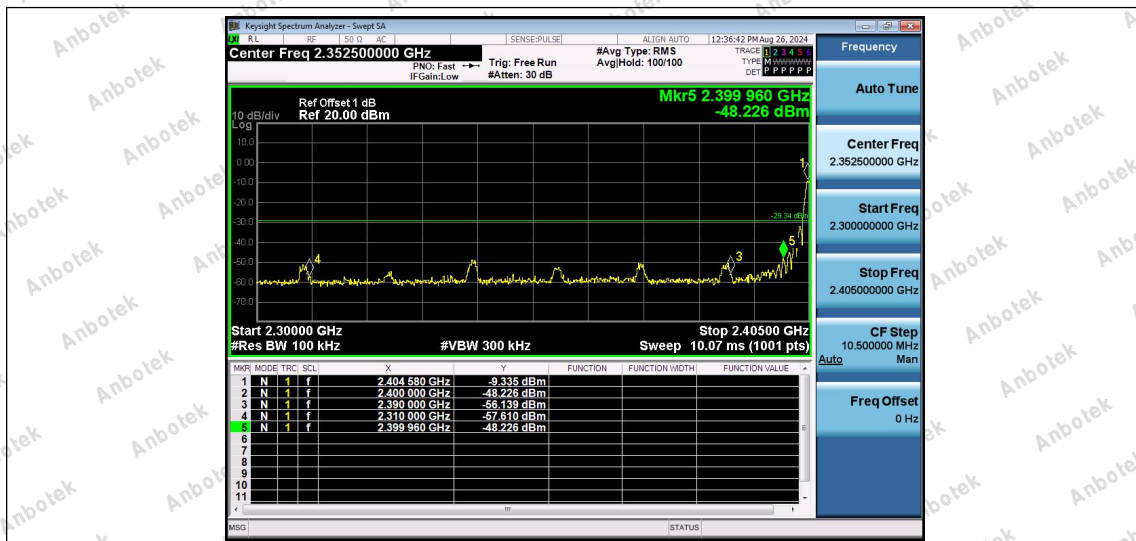


Appendix E: Band edge measurements

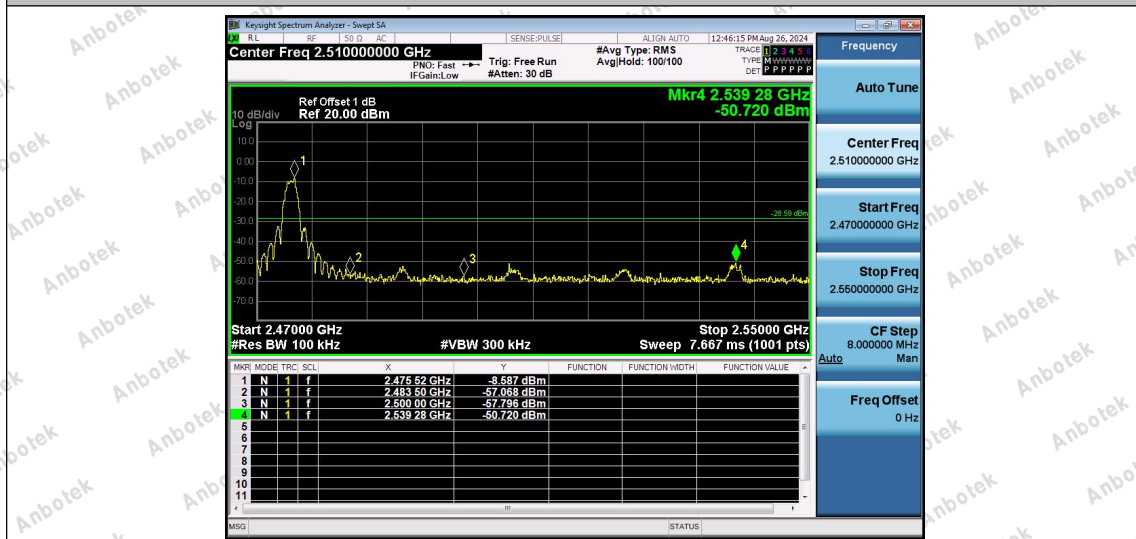
Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	-9.34	-48.23	≤-29.34	PASS
2.4G	Ant1	High	2475	-8.59	-50.72	≤-28.59	PASS

Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



Appendix F: Conducted Spurious Emission

Test Result

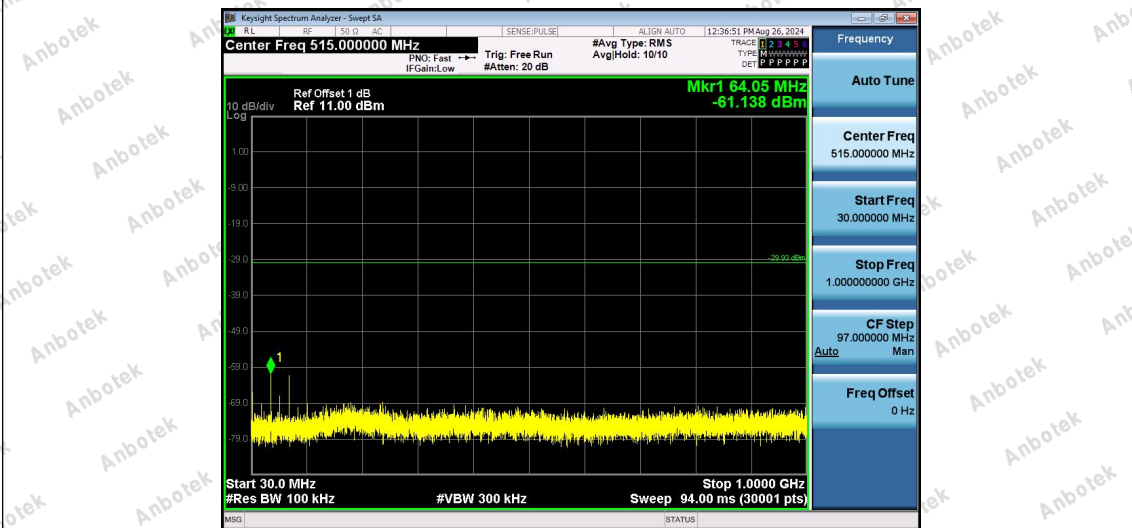
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	0~Reference	-9.93	-9.93	---	PASS
2.4G	Ant1	2405	30~1000	-9.93	-61.14	≤-29.93	PASS
2.4G	Ant1	2405	1000~26500	-9.93	-48.84	≤-29.93	PASS
2.4G	Ant1	2451	0~Reference	-10.13	-10.13	---	PASS
2.4G	Ant1	2451	30~1000	-10.13	-61.75	≤-30.13	PASS
2.4G	Ant1	2451	1000~26500	-10.13	-53.14	≤-30.13	PASS
2.4G	Ant1	2475	0~Reference	-9.52	-9.52	---	PASS
2.4G	Ant1	2475	30~1000	-9.52	-62.76	≤-29.52	PASS
2.4G	Ant1	2475	1000~26500	-9.52	-52.93	≤-29.52	PASS



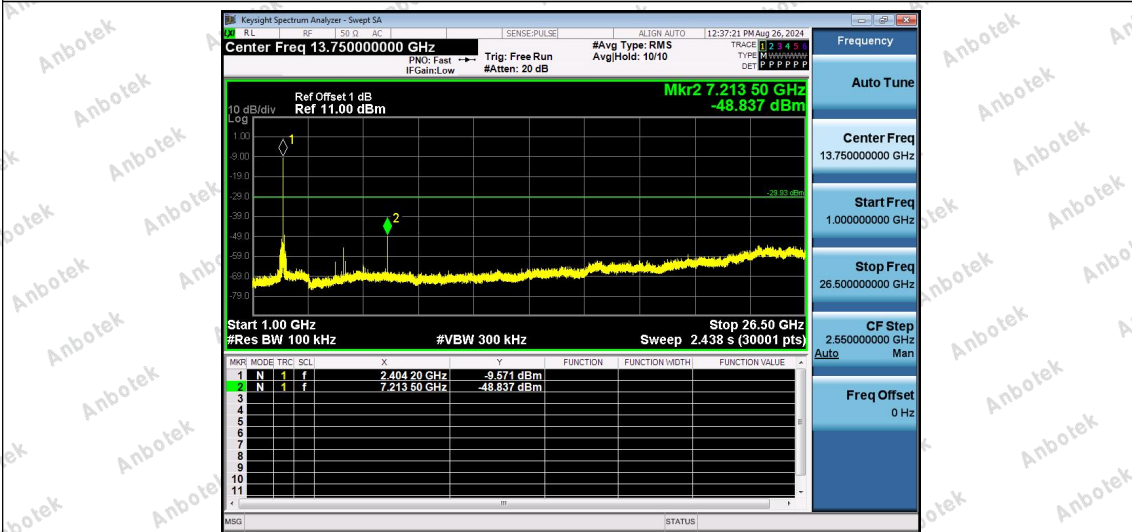
Test Graphs



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



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



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

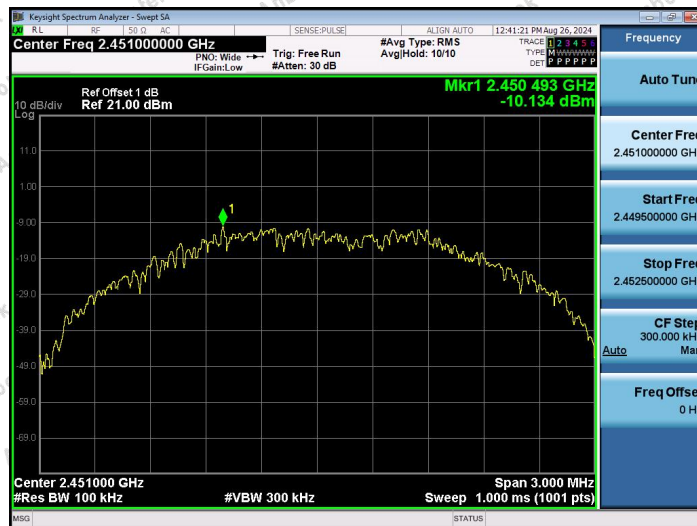
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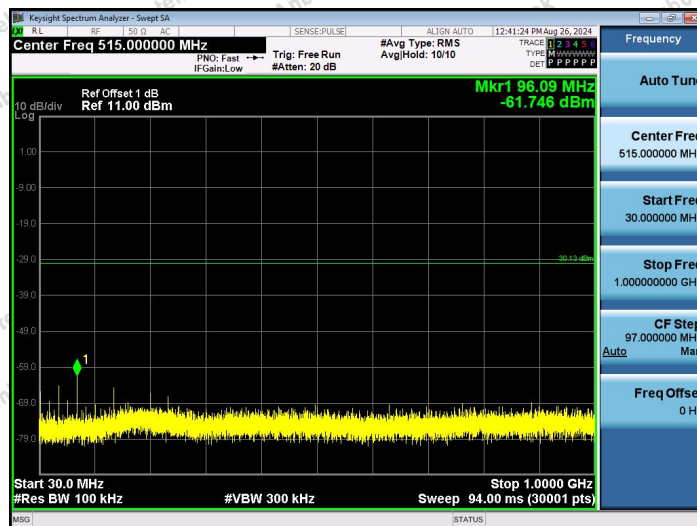


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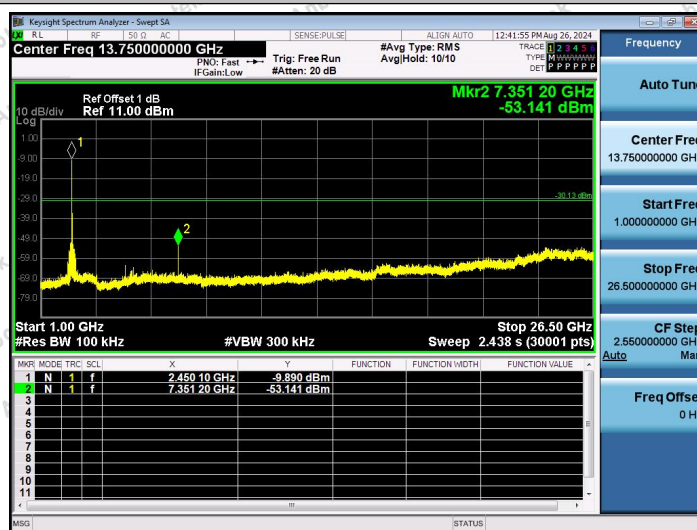




2.4G-Ant1-2451-0~Reference-PASS



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



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

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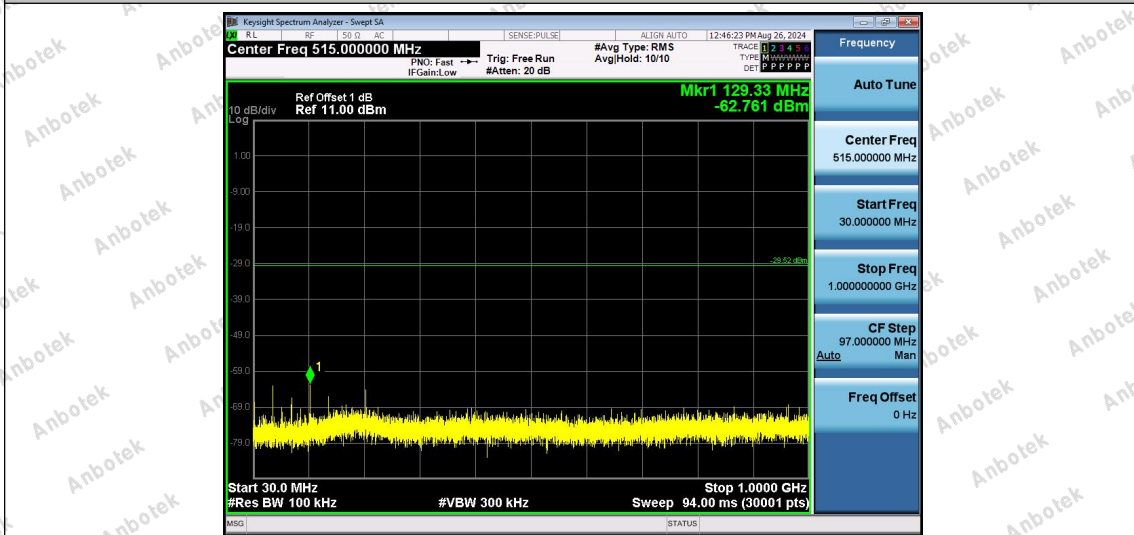


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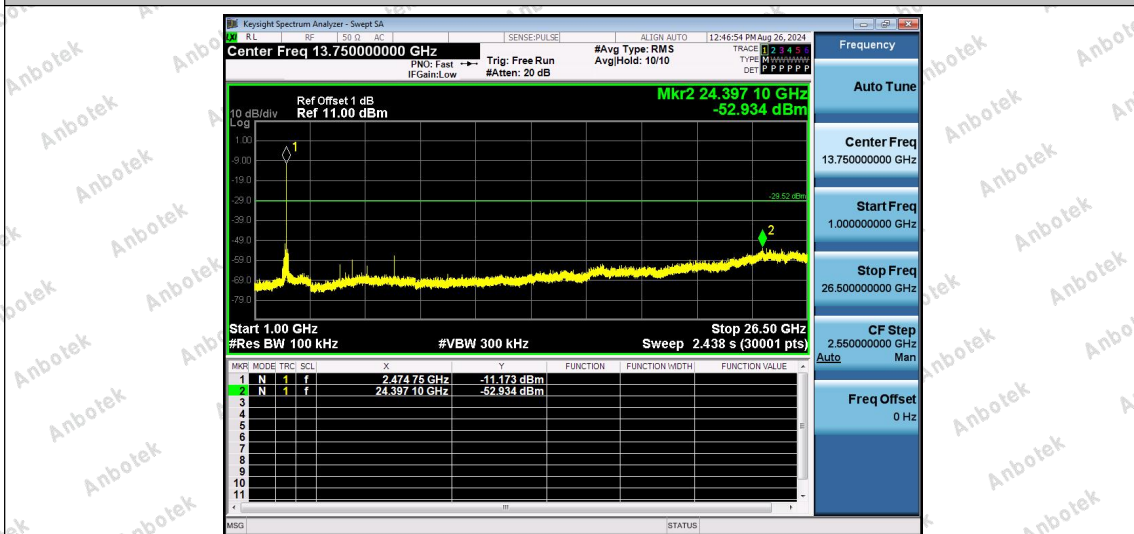




2.4G-Ant1-2475-0~Reference-PASS



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



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

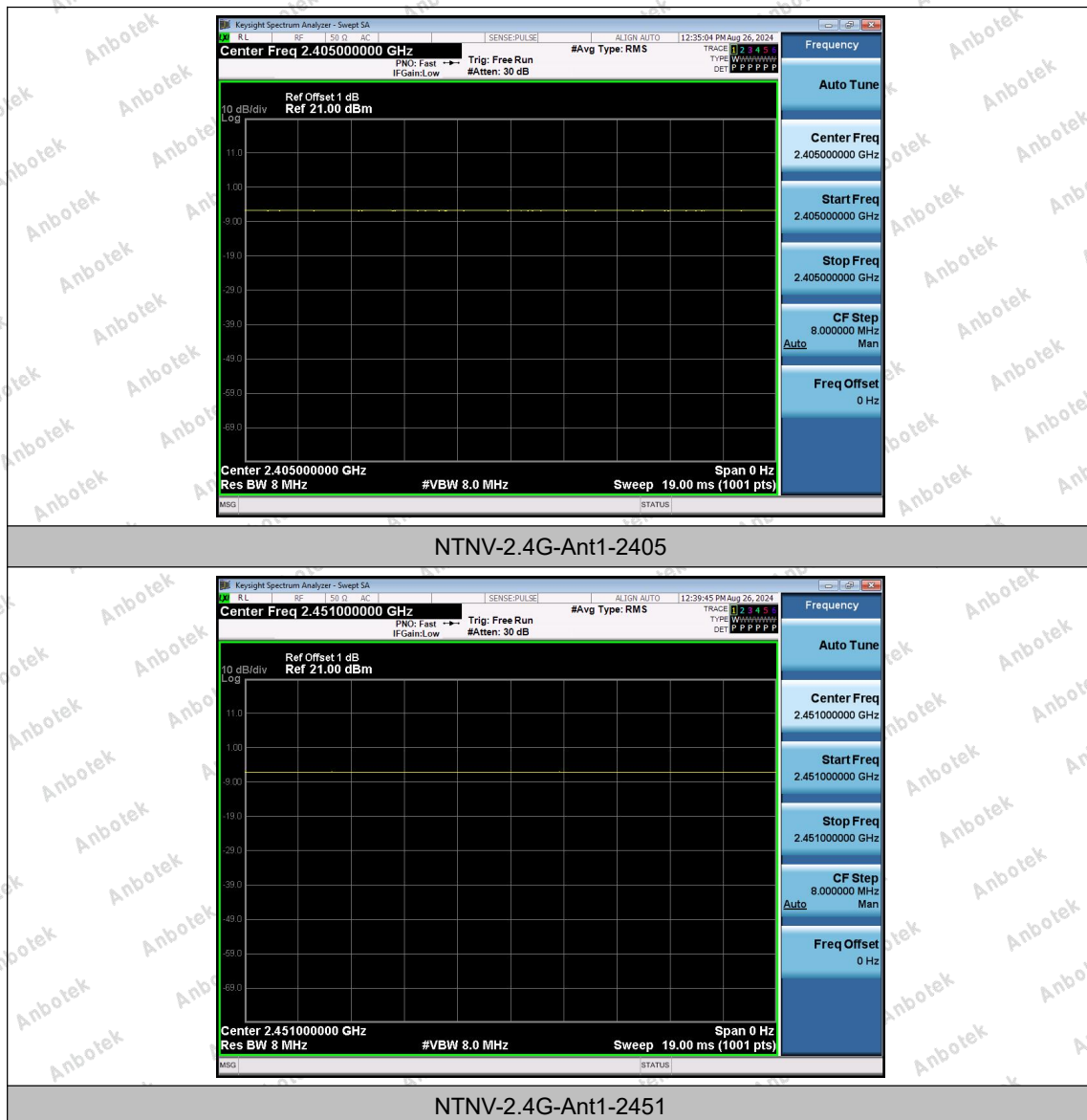


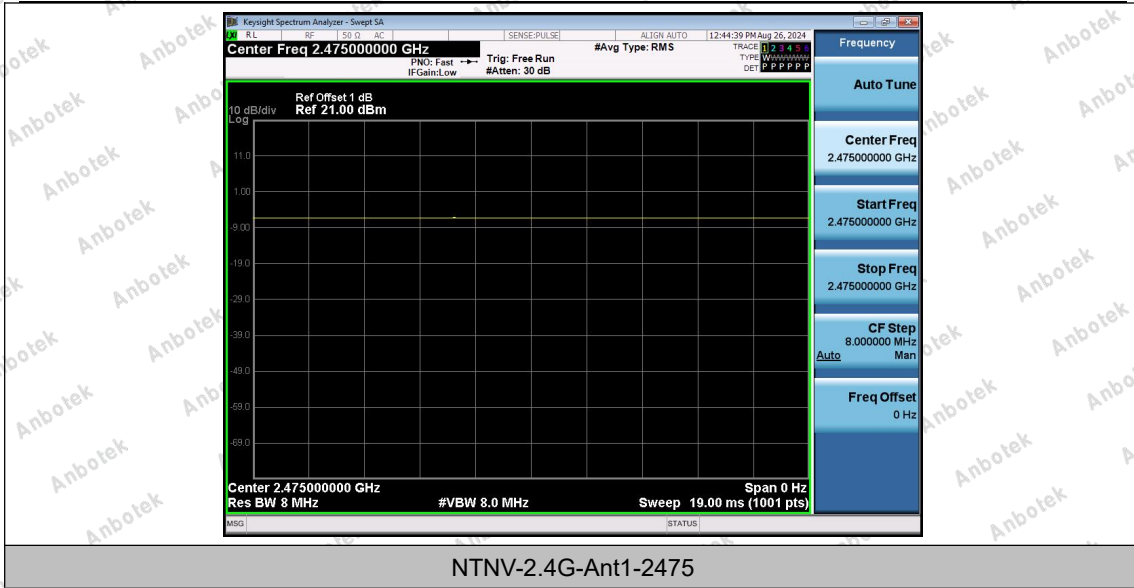
Appendix G: Duty Cycle

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





---End---

