

## Appendix Test Data

Report No.:	1813C40024912501	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	1.332	2404.372	2405.704	0.5	PASS
2.4G	Ant1	2451	1.544	2450.300	2451.844	0.5	PASS
2.4G	Ant1	2475	1.536	2474.304	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	2.2924	2403.8778	2406.1702	---	---
2.4G	Ant1	2451	2.2821	2449.8905	2452.1726	---	---
2.4G	Ant1	2475	2.2442	2473.8998	2476.1440	---	---



## Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2451



2.4G-Ant1-2475

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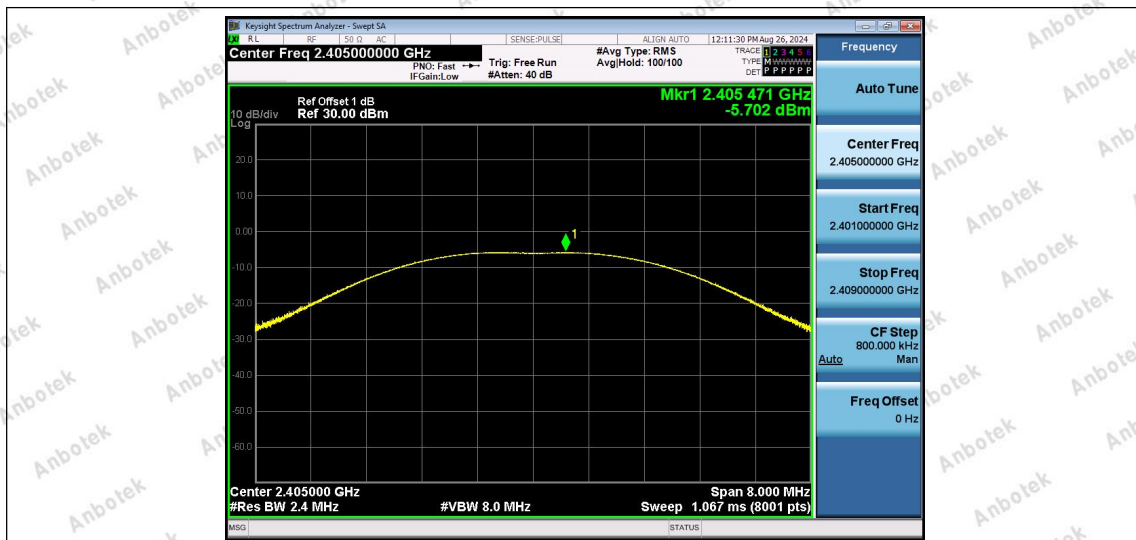


## Appendix C: Maximum conducted output power

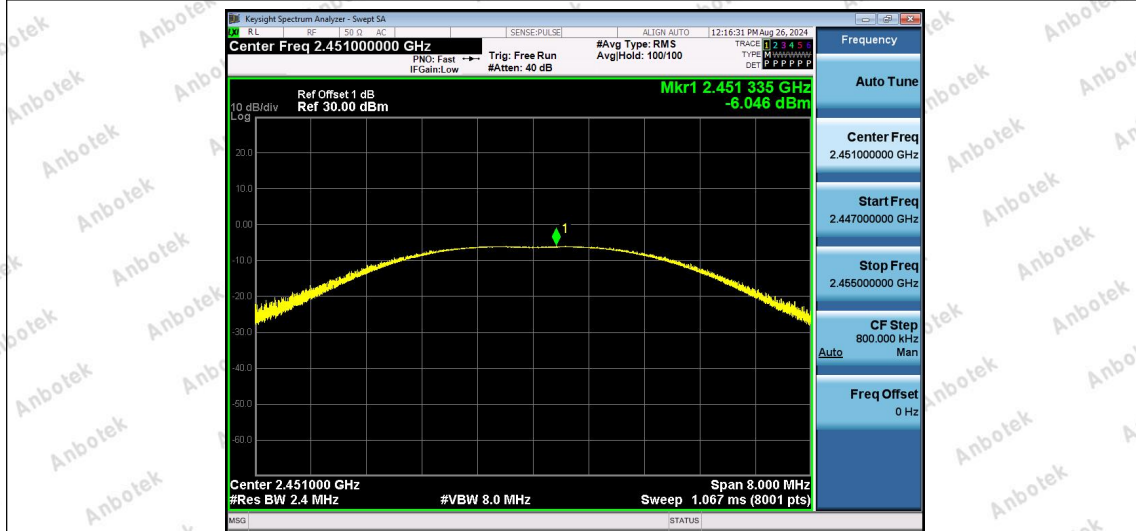
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-5.70	≤30	PASS
2.4G	Ant1	2451	-6.05	≤30	PASS
2.4G	Ant1	2475	-6.21	≤30	PASS

### Test Graphs Peak

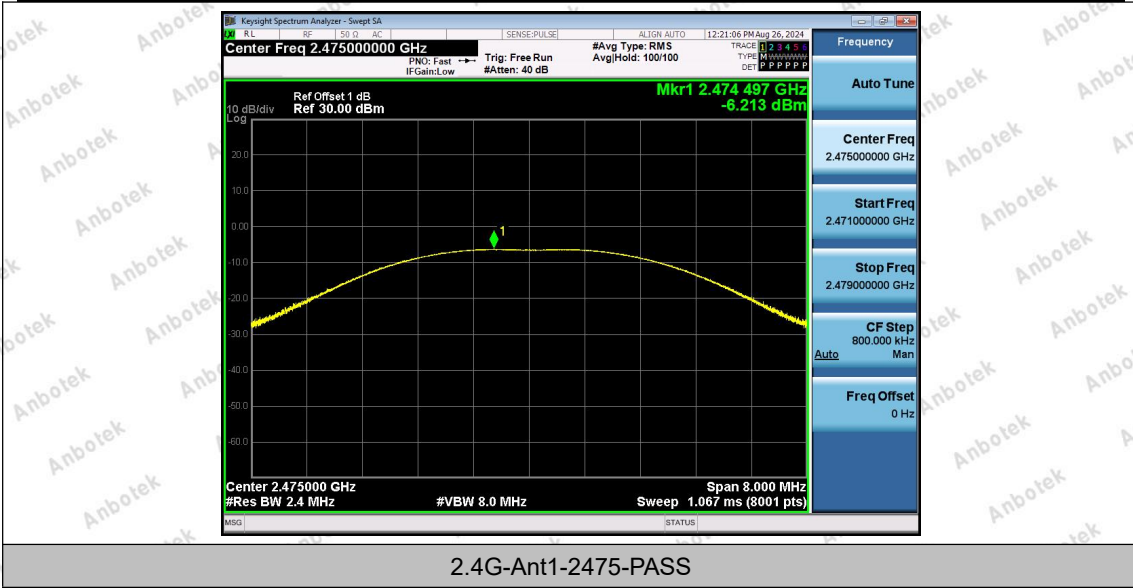


2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS





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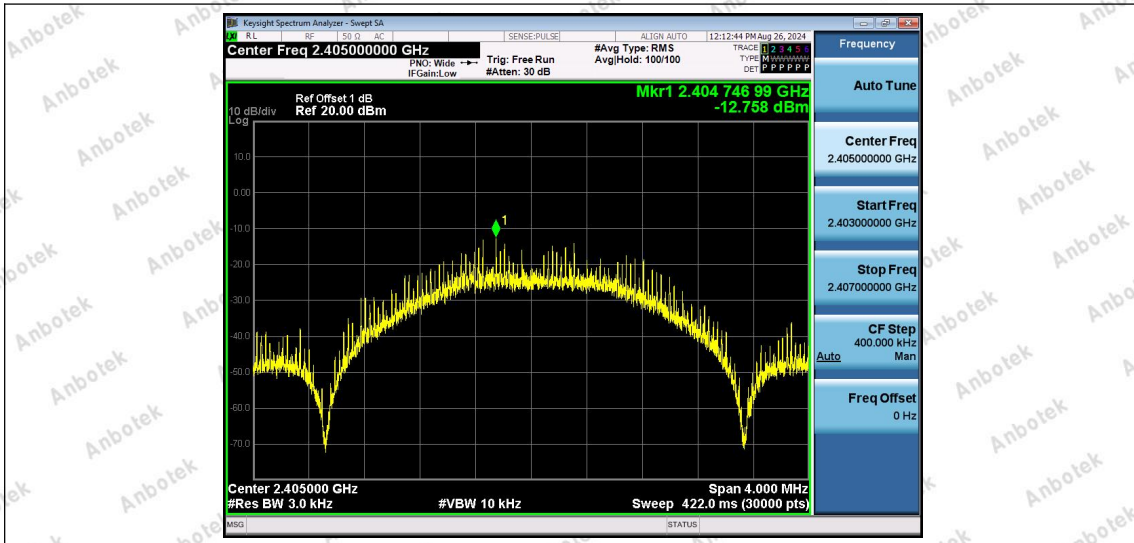
## Appendix D: Maximum power spectral density

### Test Result

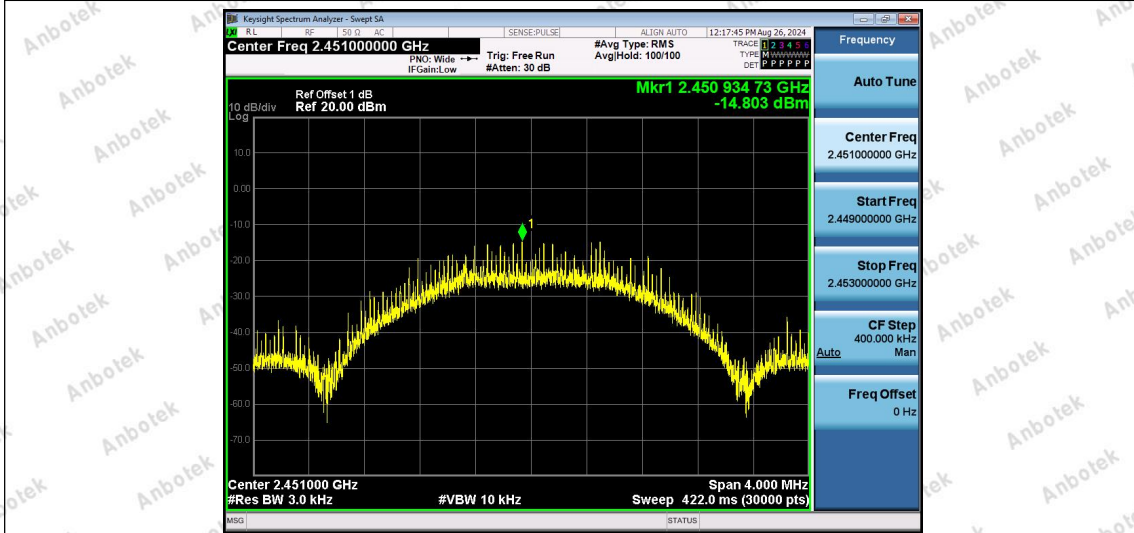
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-12.76	≤8.00	PASS
2.4G	Ant1	2451	-14.80	≤8.00	PASS
2.4G	Ant1	2475	-14.00	≤8.00	PASS



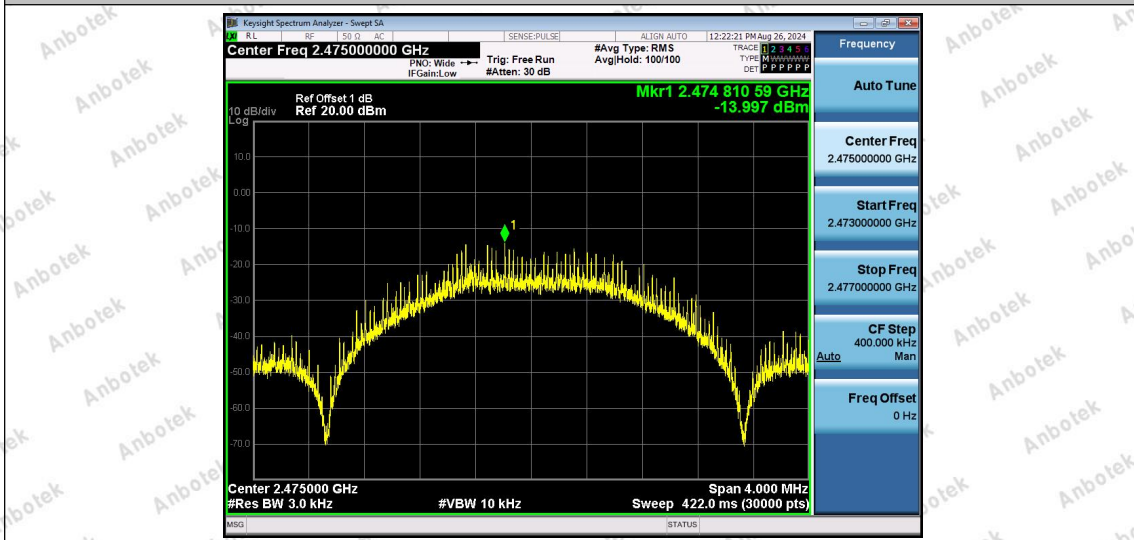
## Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2451-PASS



2.4G-Ant1-2475-PASS

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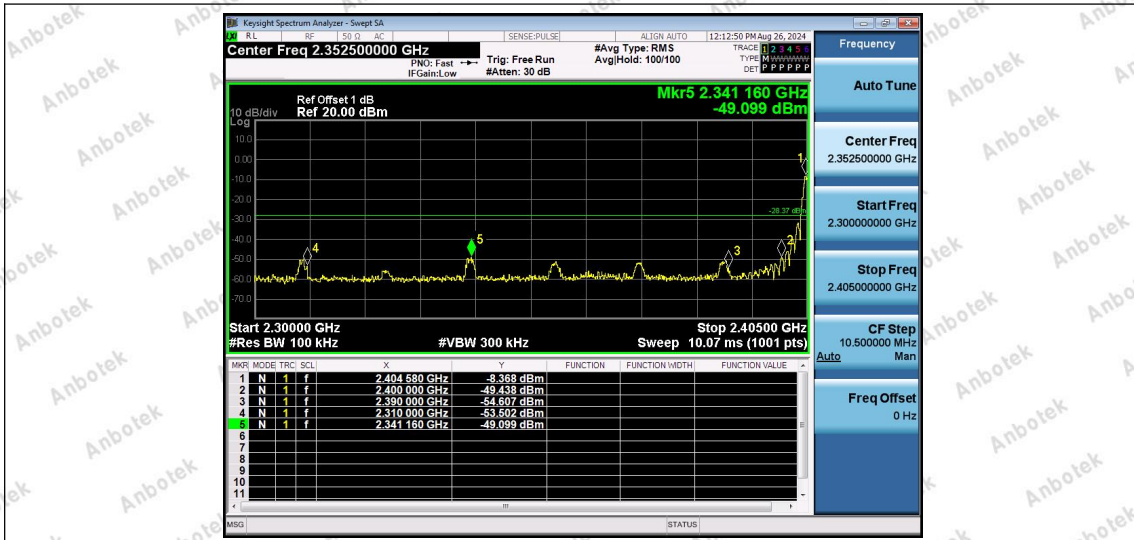
## Appendix E: Band edge measurements

### Test Result

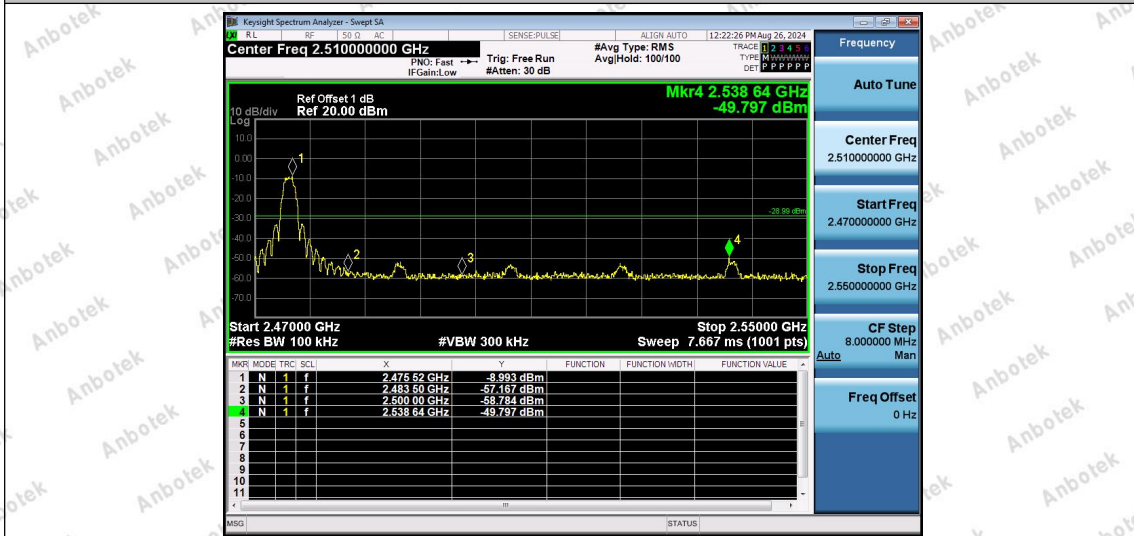
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-8.37	-49.1	≤-28.37	PASS
2.4G	Ant1	High	2475	-8.99	-49.8	≤-28.99	PASS



## Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



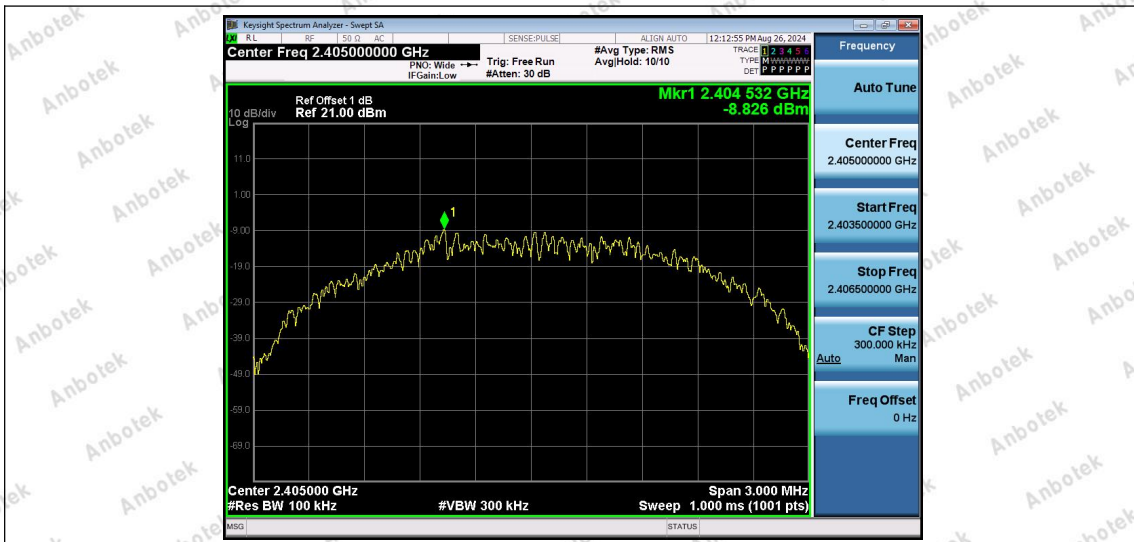
## Appendix F: Conducted Spurious Emission

### Test Result

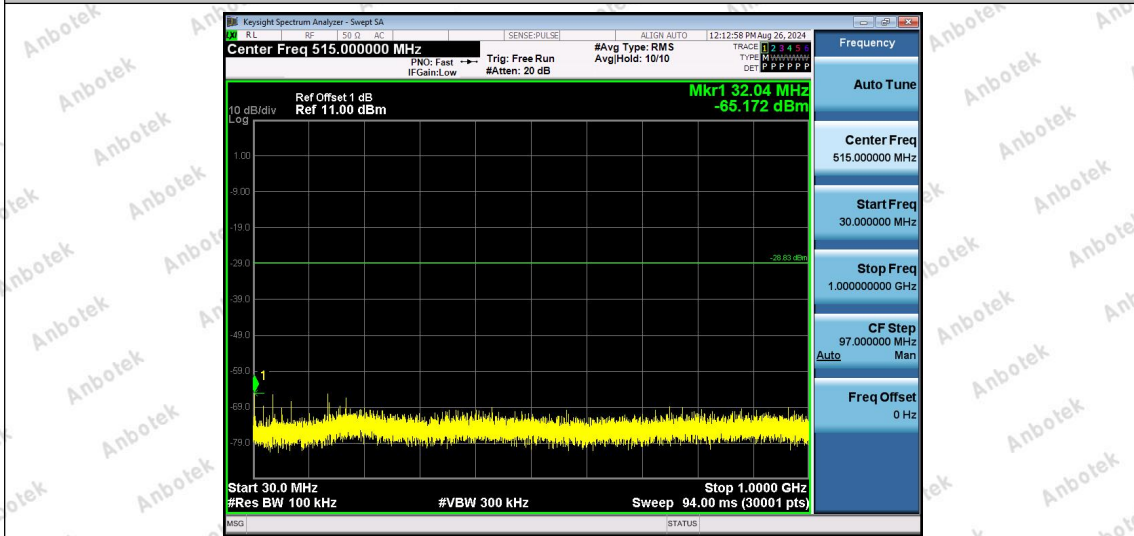
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	0~Reference	-8.83	-8.83	---	PASS
2.4G	Ant1	2405	30~1000	-8.83	-65.17	≤-28.83	PASS
2.4G	Ant1	2405	1000~26500	-8.83	-48.78	≤-28.83	PASS
2.4G	Ant1	2451	0~Reference	-8.89	-8.89	---	PASS
2.4G	Ant1	2451	30~1000	-8.89	-61.24	≤-28.89	PASS
2.4G	Ant1	2451	1000~26500	-8.89	-50.34	≤-28.89	PASS
2.4G	Ant1	2475	0~Reference	-10.49	-10.49	---	PASS
2.4G	Ant1	2475	30~1000	-10.49	-64.69	≤-30.49	PASS
2.4G	Ant1	2475	1000~26500	-10.49	-52.8	≤-30.49	PASS



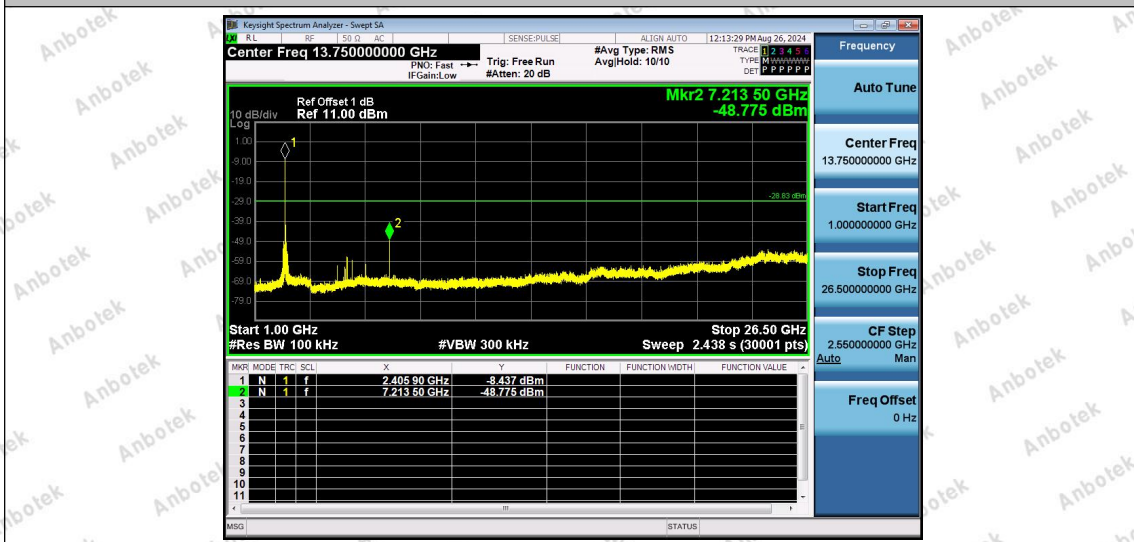
## Test Graphs



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



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



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

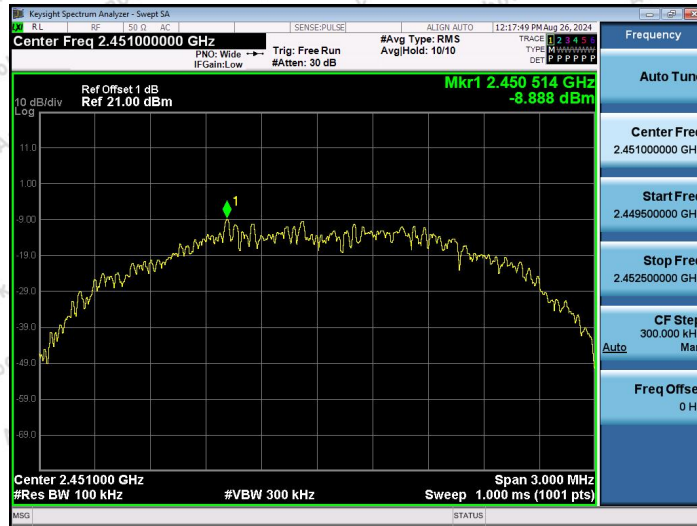
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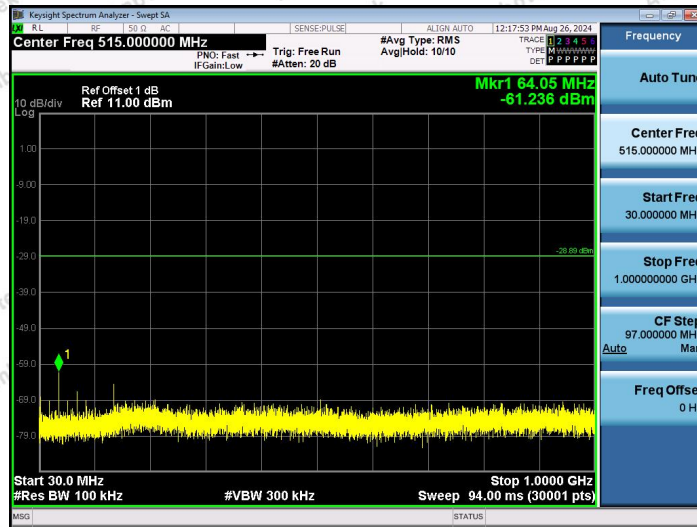


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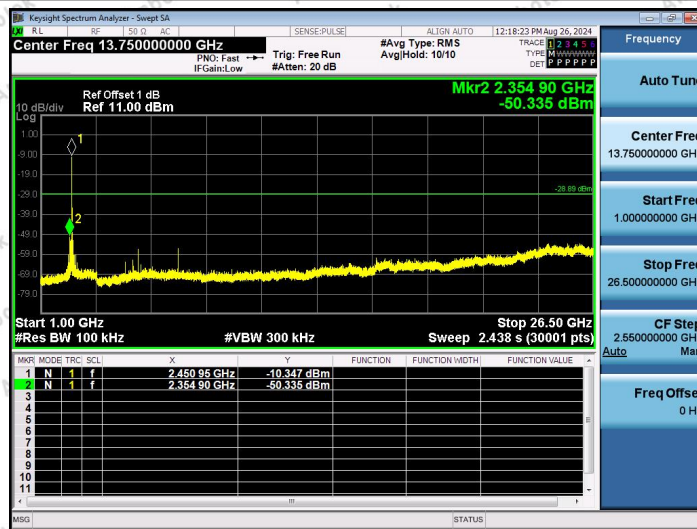




2.4G-Ant1-2451-0~Reference-PASS



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



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

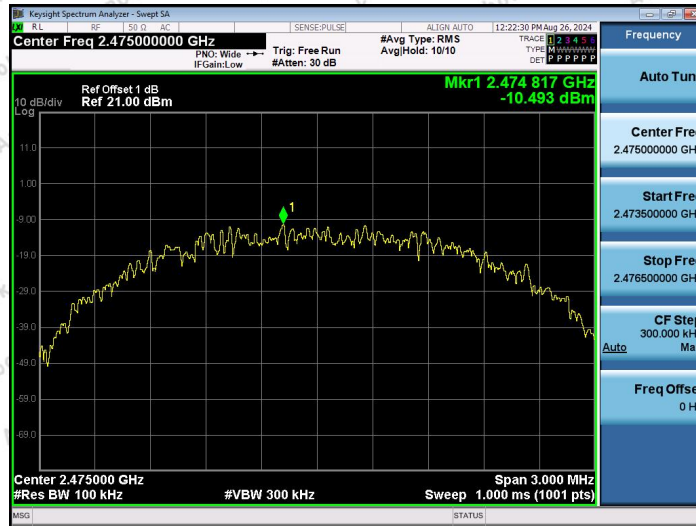
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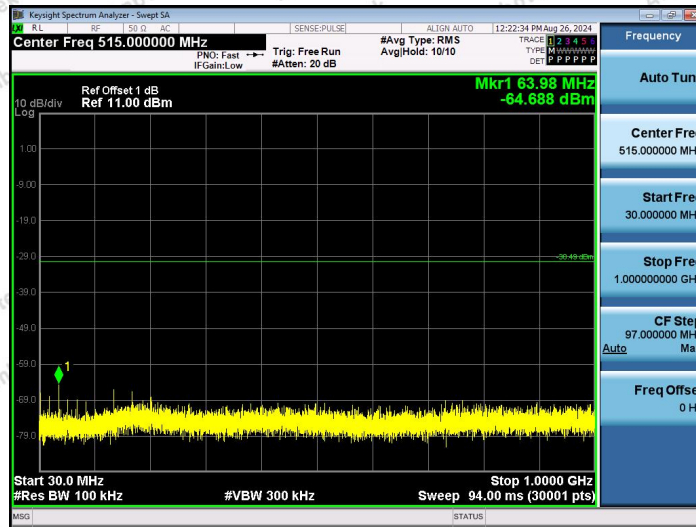


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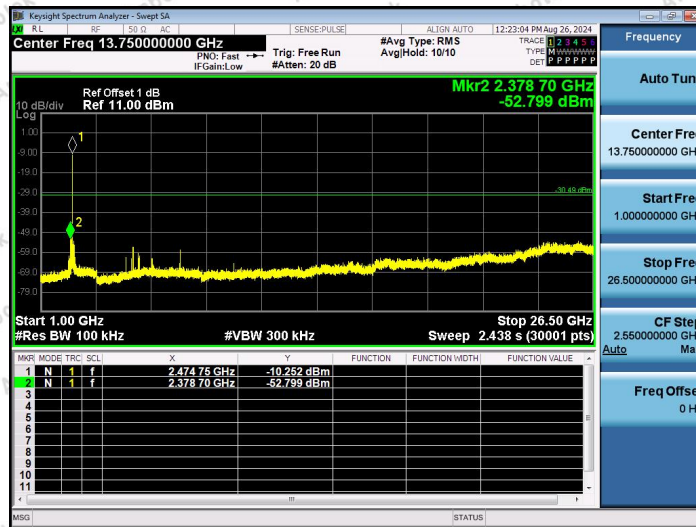




2.4G-Ant1-2475-0~Reference-PASS



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



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



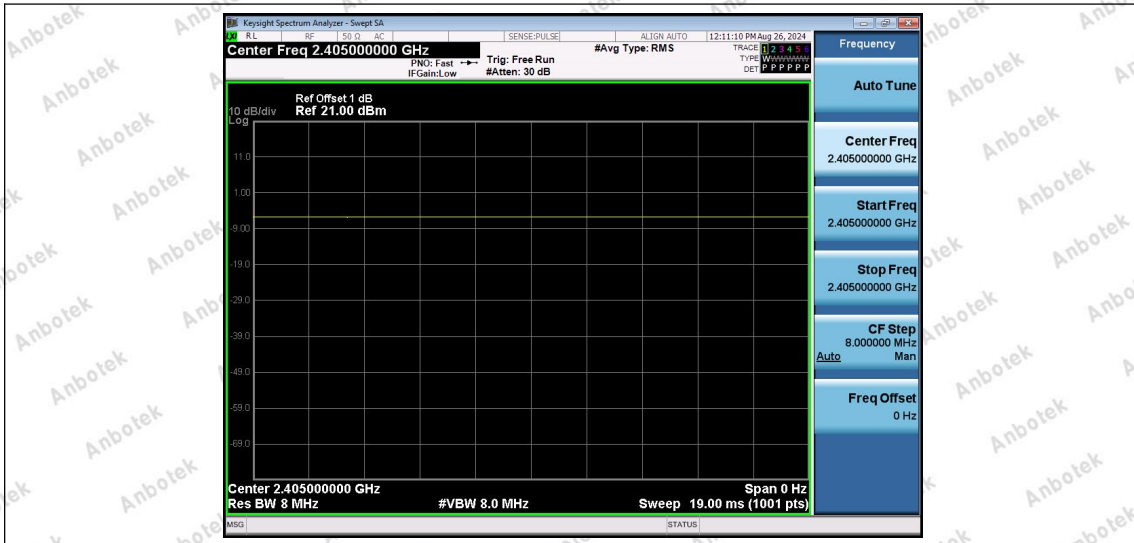
## Appendix G: Duty Cycle

### Test Result

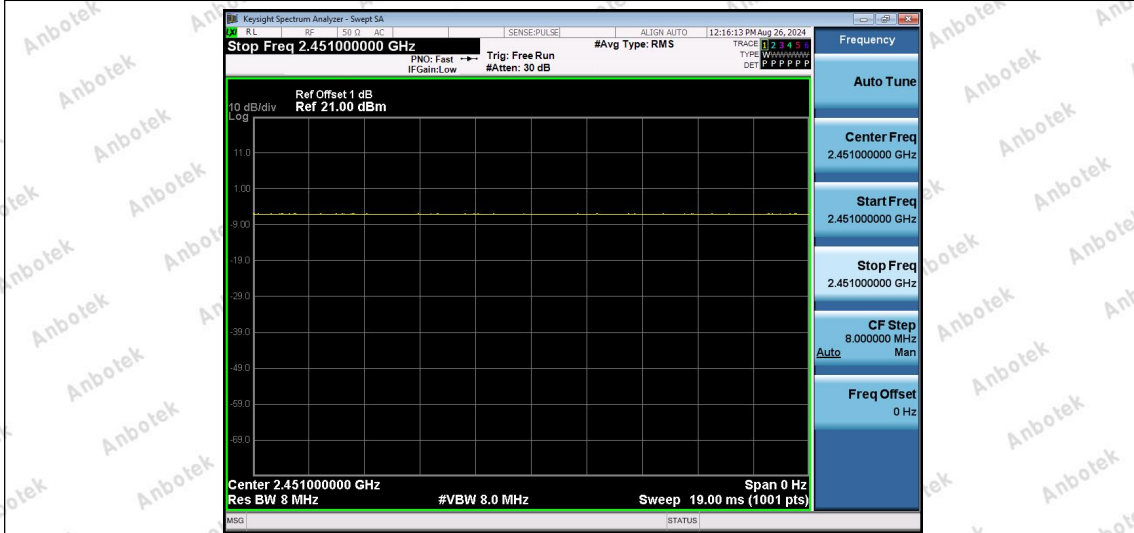
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.00	0.00	100	NaN
2.4G	Ant1	2451	0.00	0.00	100	NaN
2.4G	Ant1	2475	0.00	0.00	100	NaN



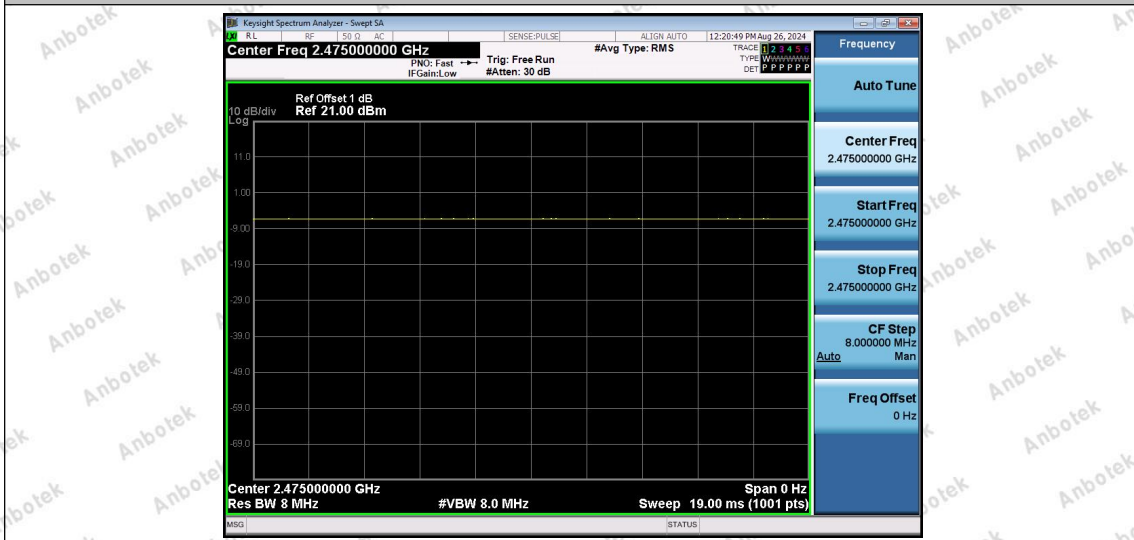
**Test Graphs**



NTNV-2.4G-Ant1-2405



NTNV-2.4G-Ant1-2451



NTNV-2.4G-Ant1-2475

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