

## Appendix Test Data

Report No.:	1813C40131912503	Test Sample No.:	1-2-2
Start Test Date:	2024.10.28	Finish Test Date:	2024.11.18
Test Engineer:	<i>Joker Wong</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	47%
Pressure:	101kPa		

## Appendix A: 20dB Bandwidth

### Test Result

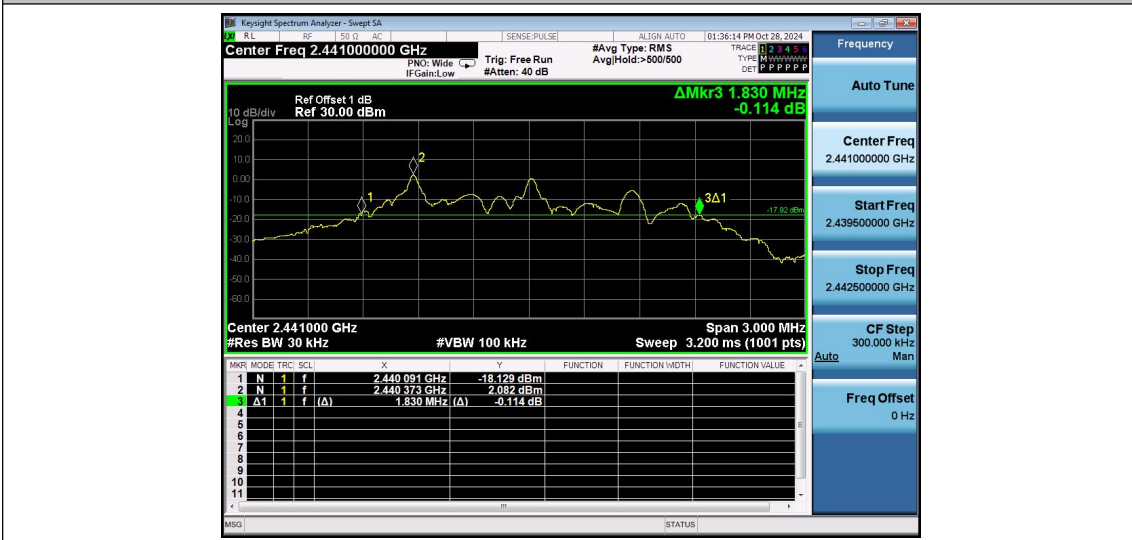
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.791	2404.085	2405.876	---	---
2.4G	Ant1	2441	1.830	2440.091	2441.921	---	---
2.4G	Ant1	2475	1.794	2474.079	2475.873	---	---



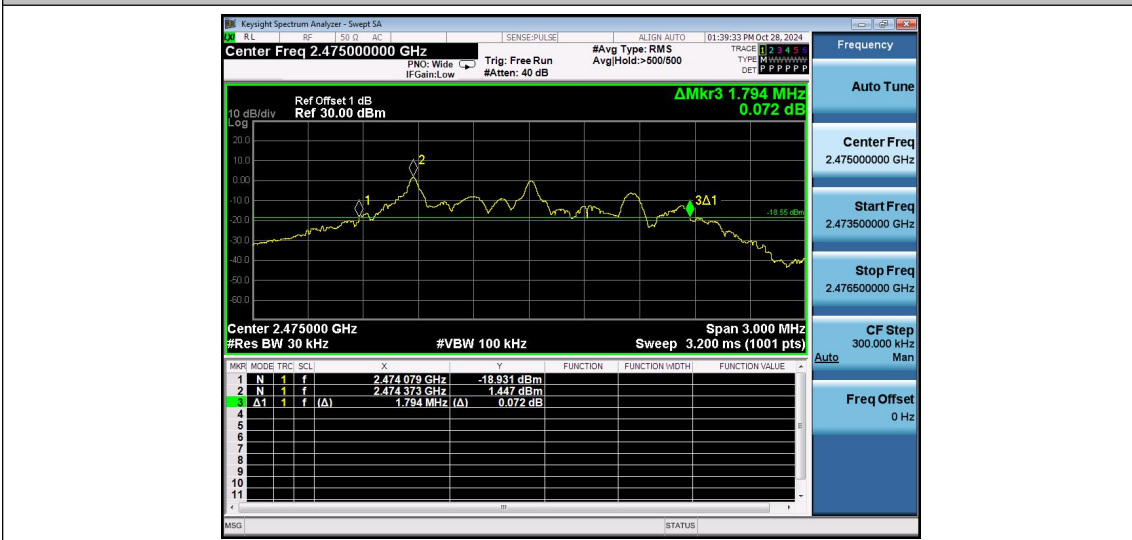
Test Graphs



2.4G-Ant1-2405



2.4G-Ant1-2441



2.4G-Ant1-2475

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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	1.9754	2403.9695	2405.9447	---	---
2.4G	Ant1	2441	1.9696	2439.9761	2441.9472	---	---
2.4G	Ant1	2475	1.9607	2473.9878	2475.9485	---	---

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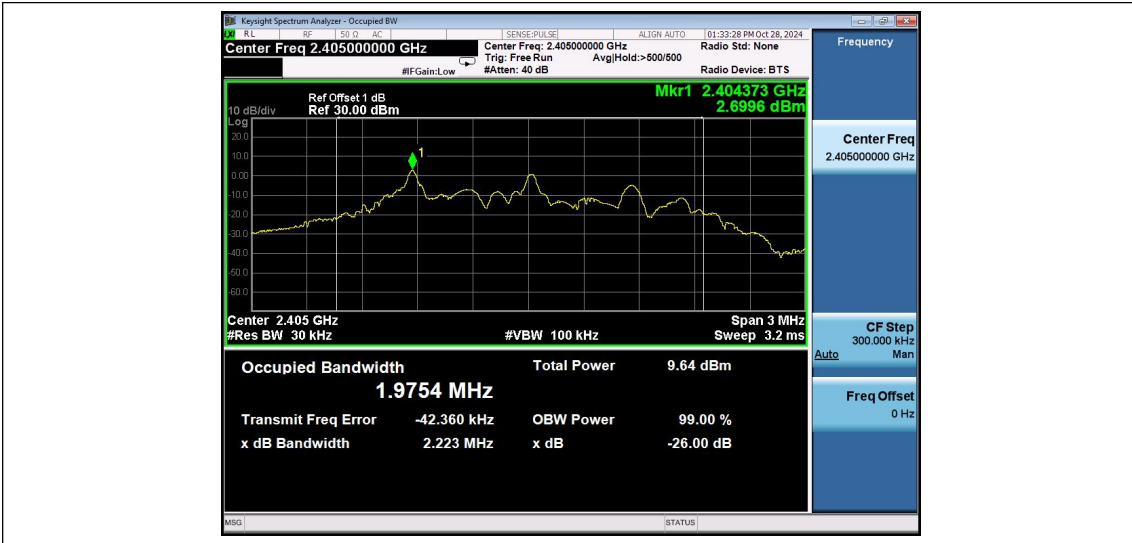
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**Test Graphs**



2.4G-Ant1-2405



2.4G-Ant1-2441



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	<b>2.80</b>	≤20.97	PASS
2.4G	Ant1	2441	2.17	≤20.97	PASS
2.4G	Ant1	2475	1.54	≤20.97	PASS

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**Test Graphs**



2.4G-Ant1-2405-PASS



2.4G-Ant1-2441-PASS



2.4G-Ant1-2475-PASS

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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.224	$\geq 1.220$	PASS

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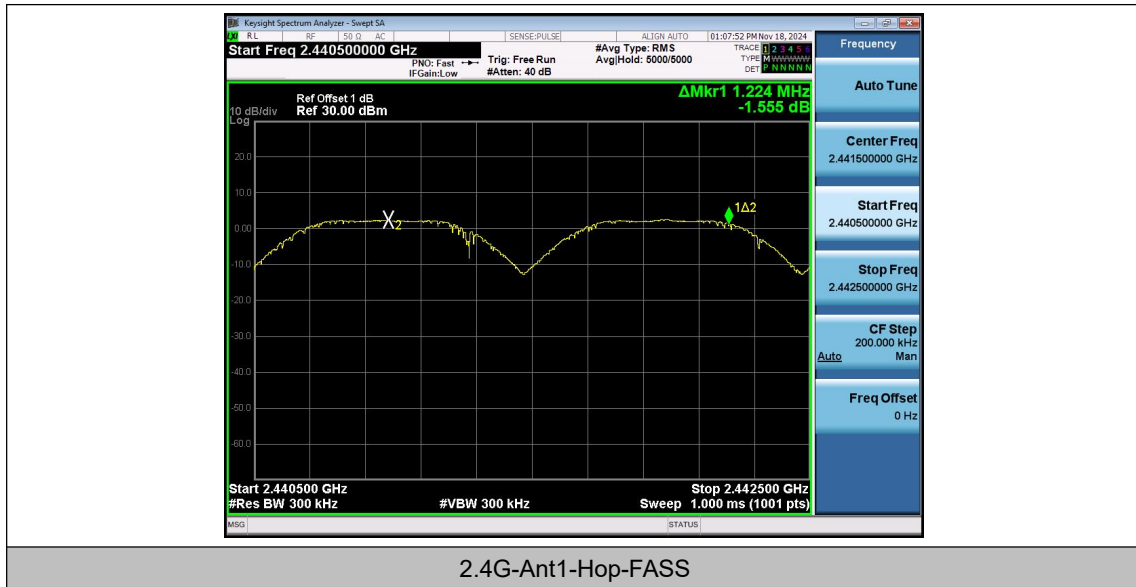
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**Test Graphs**



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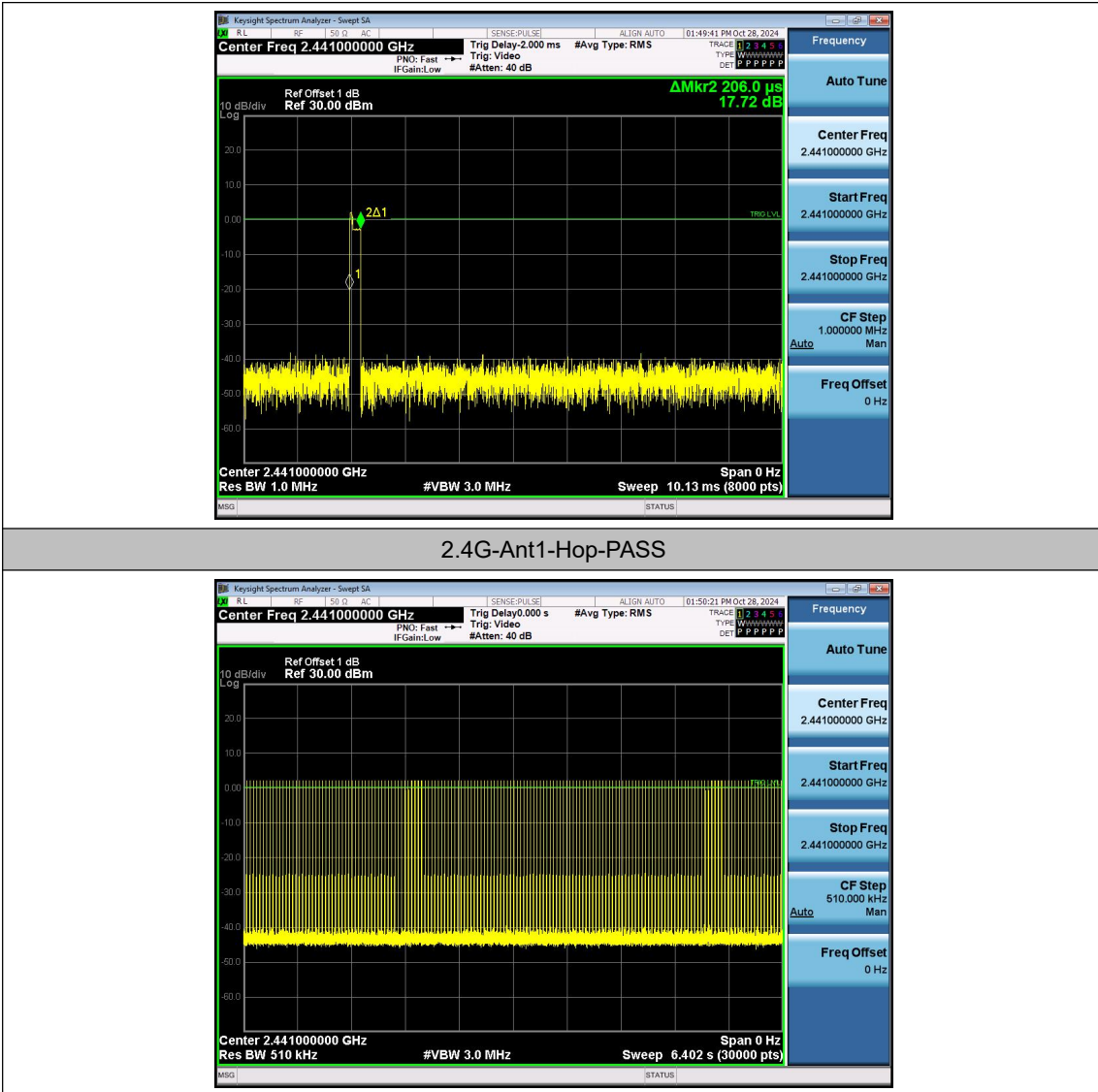
## Appendix E: Dwell Time

### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.206	163	0.034	≤0.4	PASS



**Test Graphs**



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## Appendix F: Number of Hopping Channel

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

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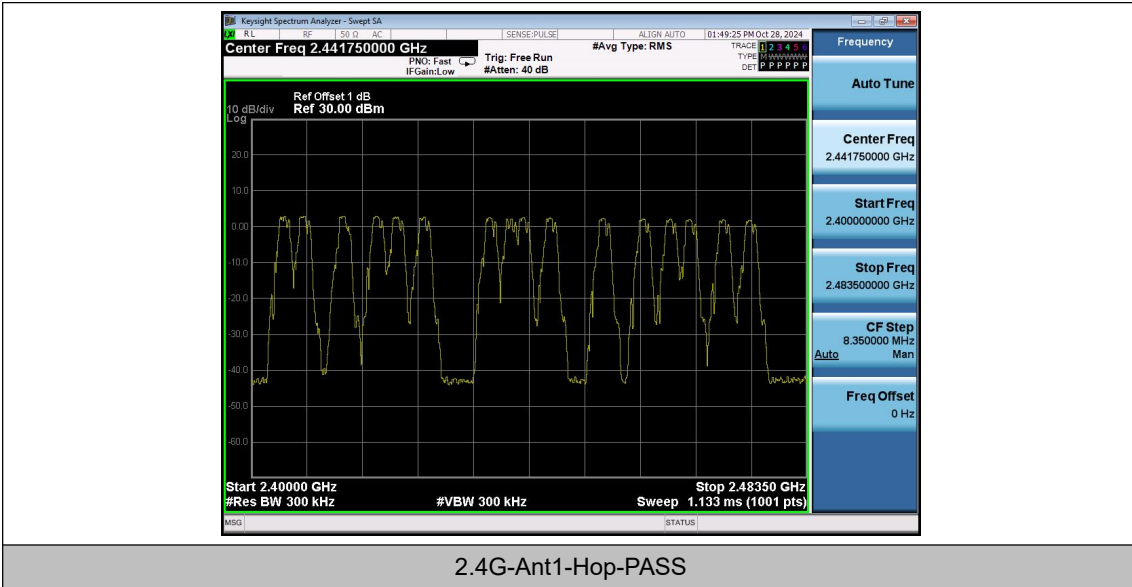
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**Test Graphs**



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## Appendix G: Conducted Band edge

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	2.71	-50.49	≤-17.3	PASS
2.4G	Ant1	High	2475	1.50	-52.54	≤-18.5	PASS
2.4G	Ant1	Low	Hop	2.66	-49.63	≤-17.34	PASS
2.4G	Ant1	High	Hop	1.61	-50.94	≤-18.39	PASS

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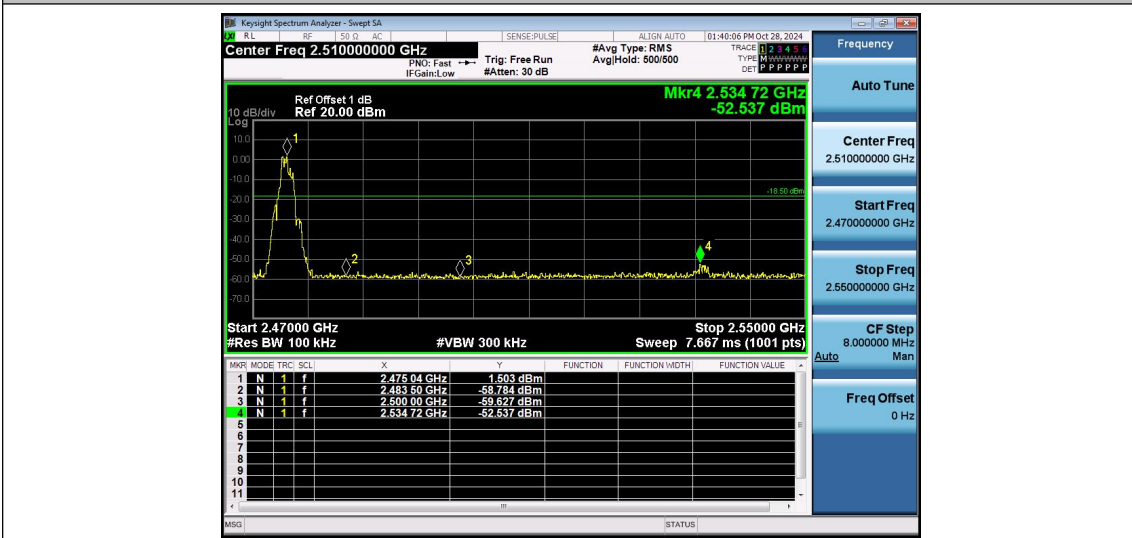
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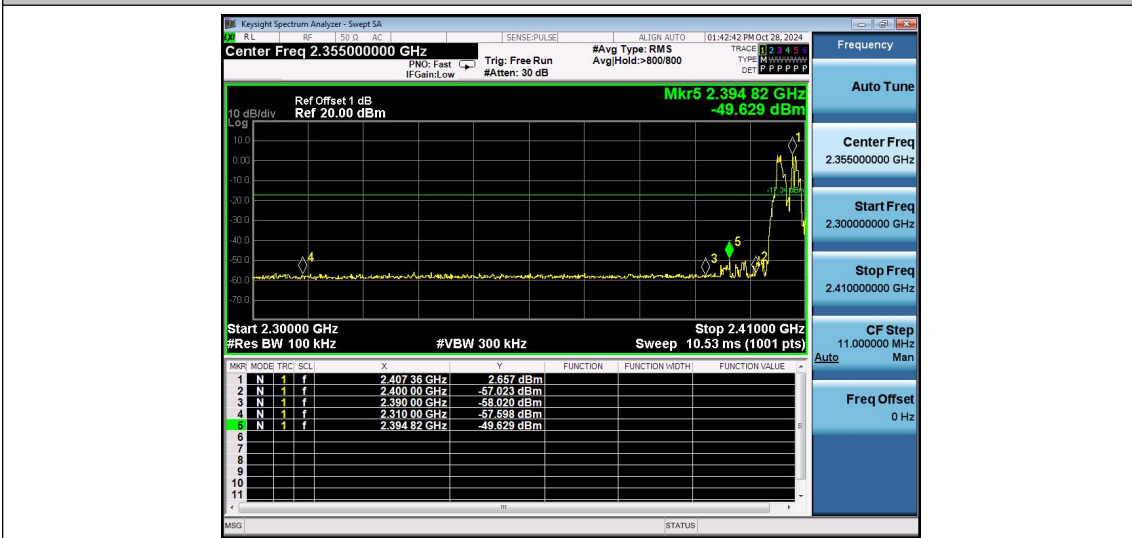
Test Graphs



2.4G-Ant1-2405-PASS



2.4G-Ant1-2475-PASS



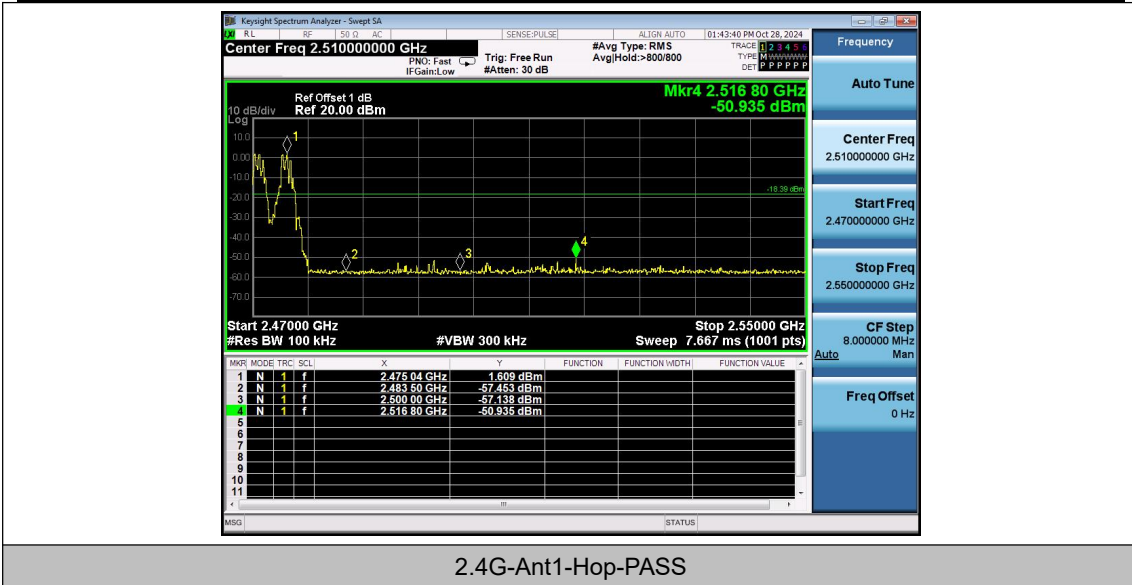
2.4G-Ant1-Hop-PASS

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## Appendix H: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	2.65	2.65	---	PASS
2.4G	Ant1	2405	30~1000	2.65	-67.9	≤-17.35	PASS
2.4G	Ant1	2405	1000~26500	2.65	-42.24	≤-17.35	PASS
2.4G	Ant1	2441	0~Reference	2.03	2.03	---	PASS
2.4G	Ant1	2441	30~1000	2.03	-68.8	≤-17.97	PASS
2.4G	Ant1	2441	1000~26500	2.03	-43.88	≤-17.97	PASS
2.4G	Ant1	2475	0~Reference	1.41	1.41	---	PASS
2.4G	Ant1	2475	30~1000	1.41	-66.73	≤-18.59	PASS
2.4G	Ant1	2475	1000~26500	1.41	-42.61	≤-18.59	PASS

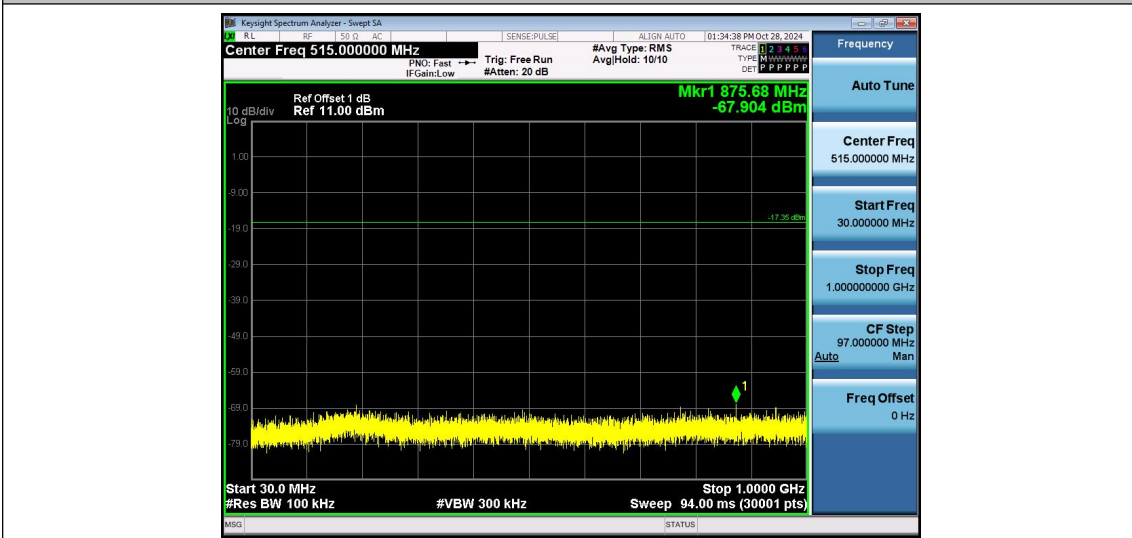




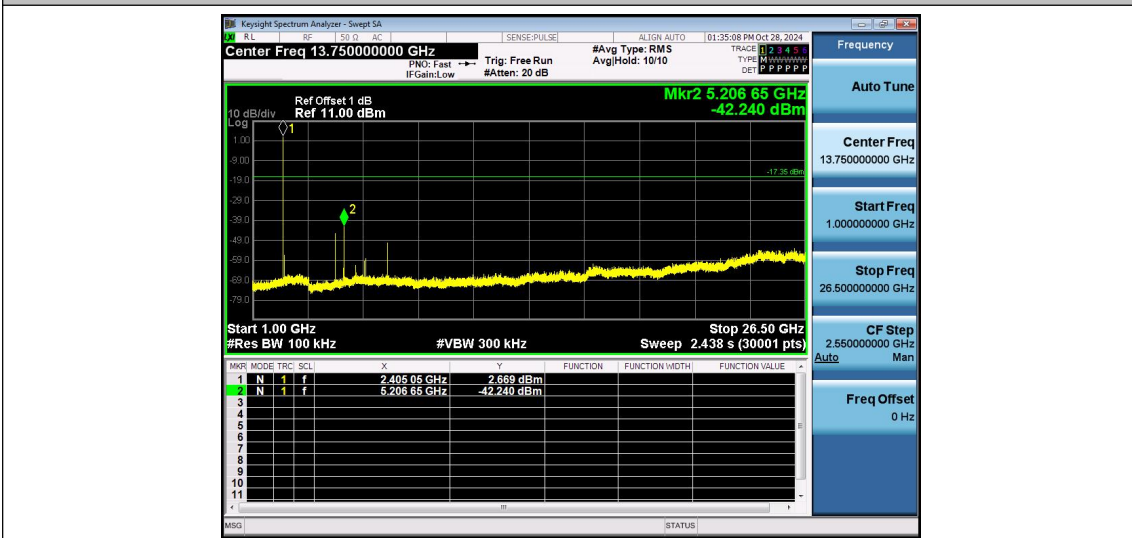
Test Graphs



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



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



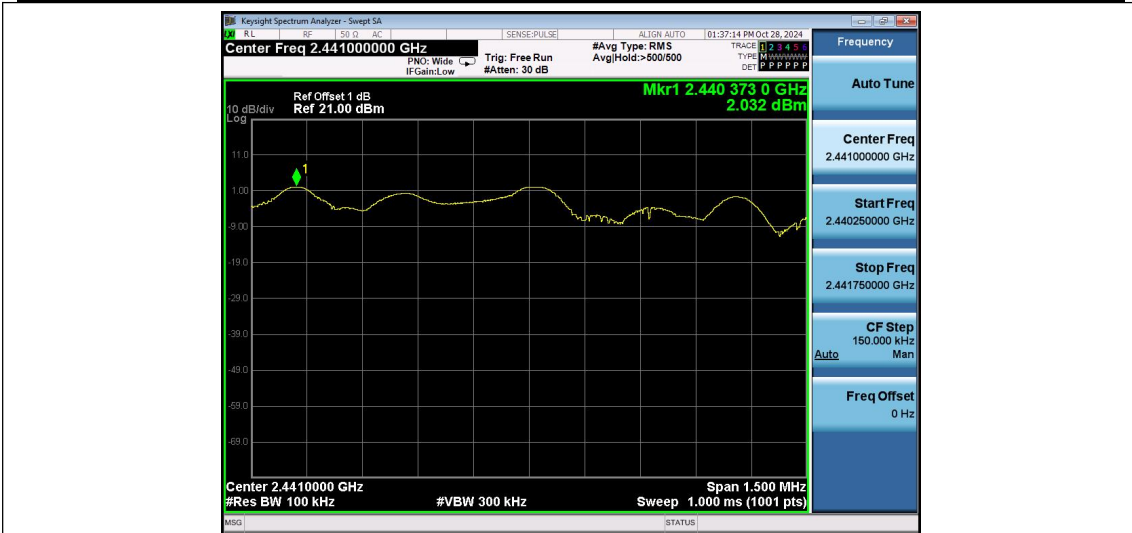
2.4G-Ant1-2405-1000~26500-PASS

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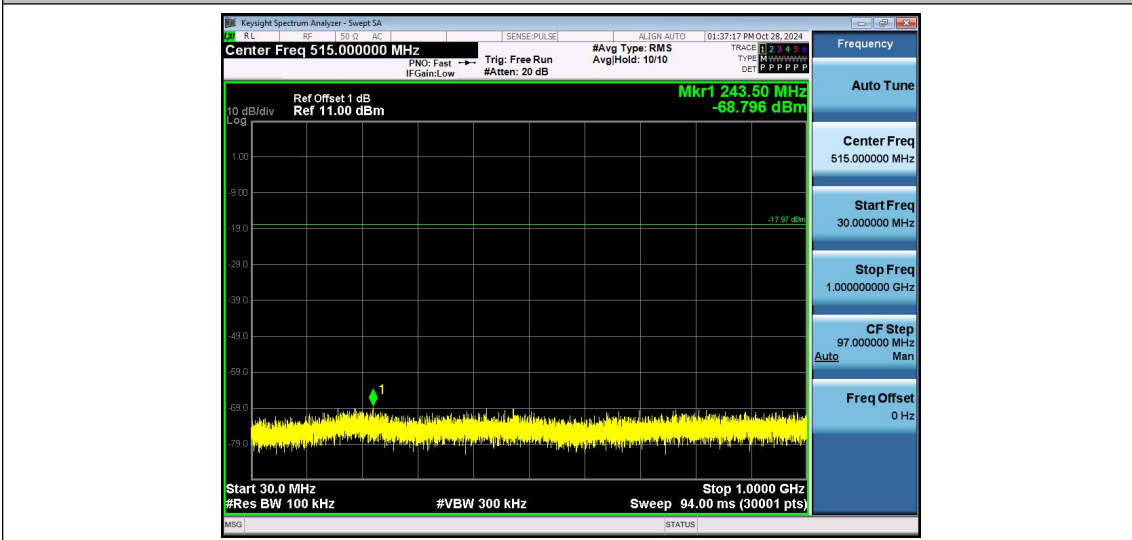
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
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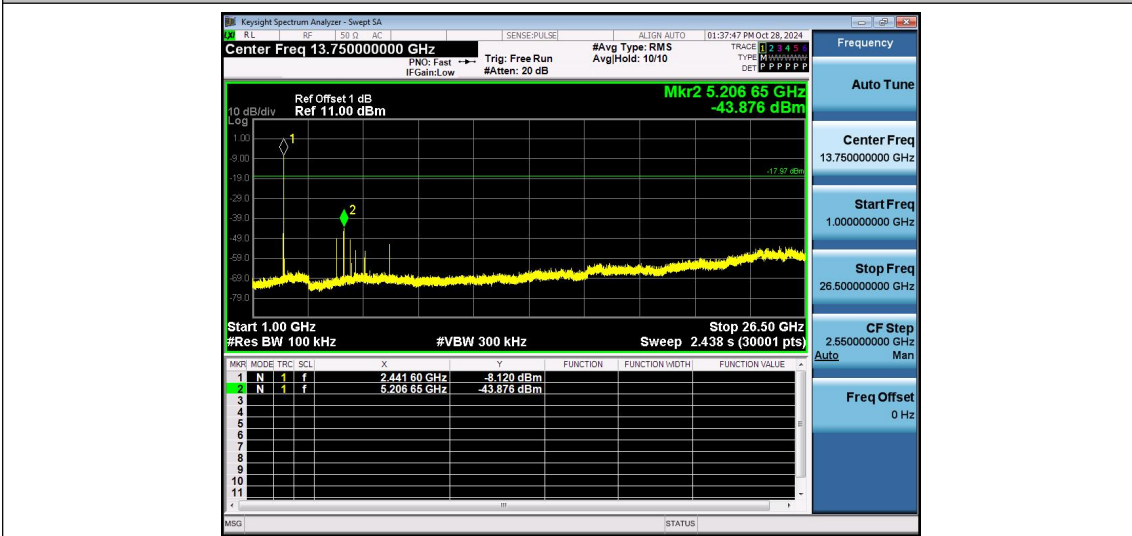




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS

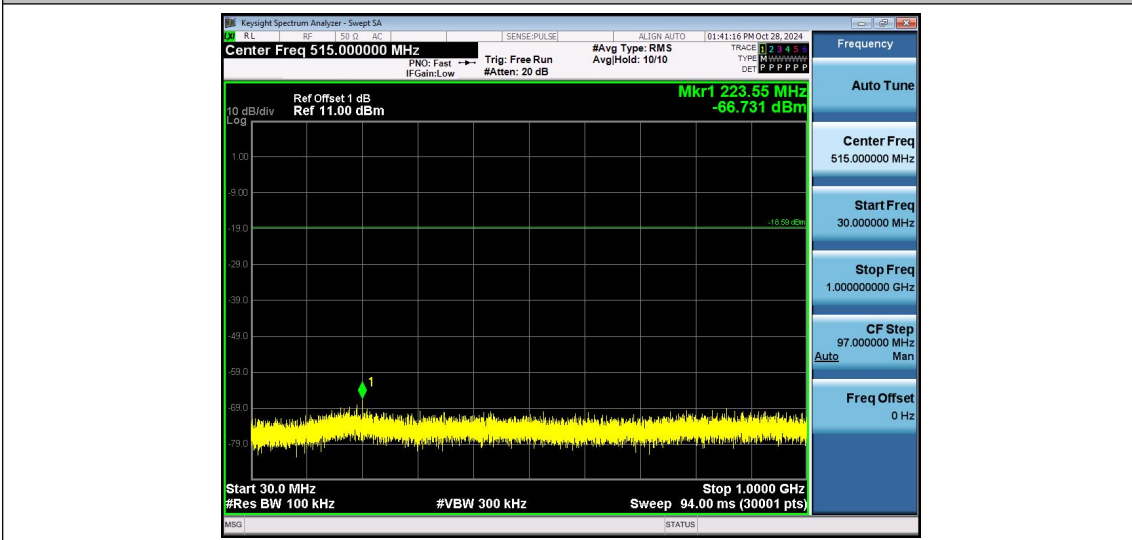


2.4G-Ant1-2441-1000~26500-PASS

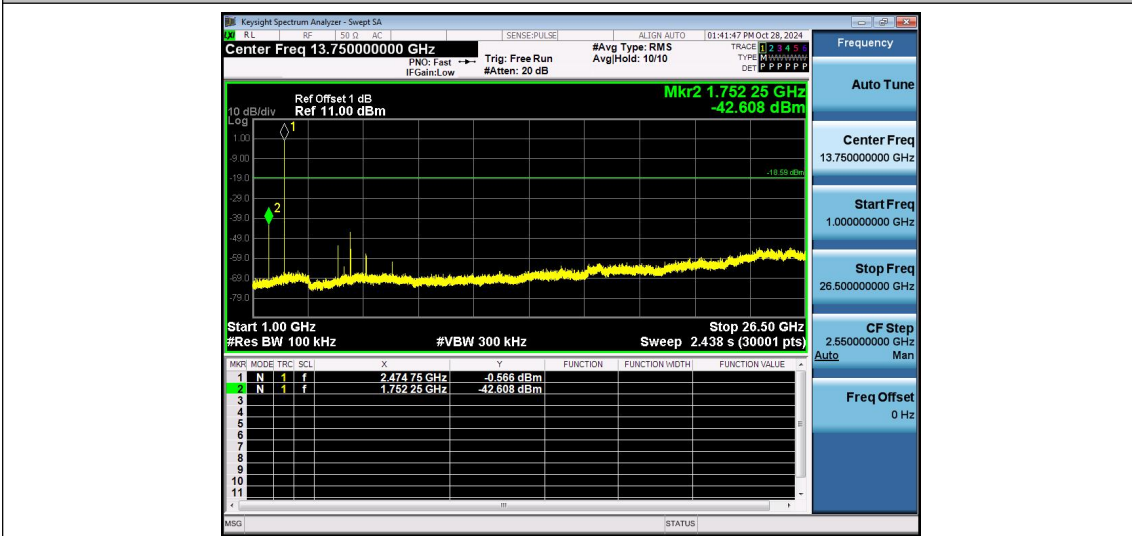




2.4G-Ant1-2475-0~Reference-PASS



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



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



## Appendix I: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.20	2.43	8.23	10.85
2.4G	Ant1	2441	0.20	2.43	8.23	10.85
2.4G	Ant1	2475	0.21	2.44	8.61	10.65

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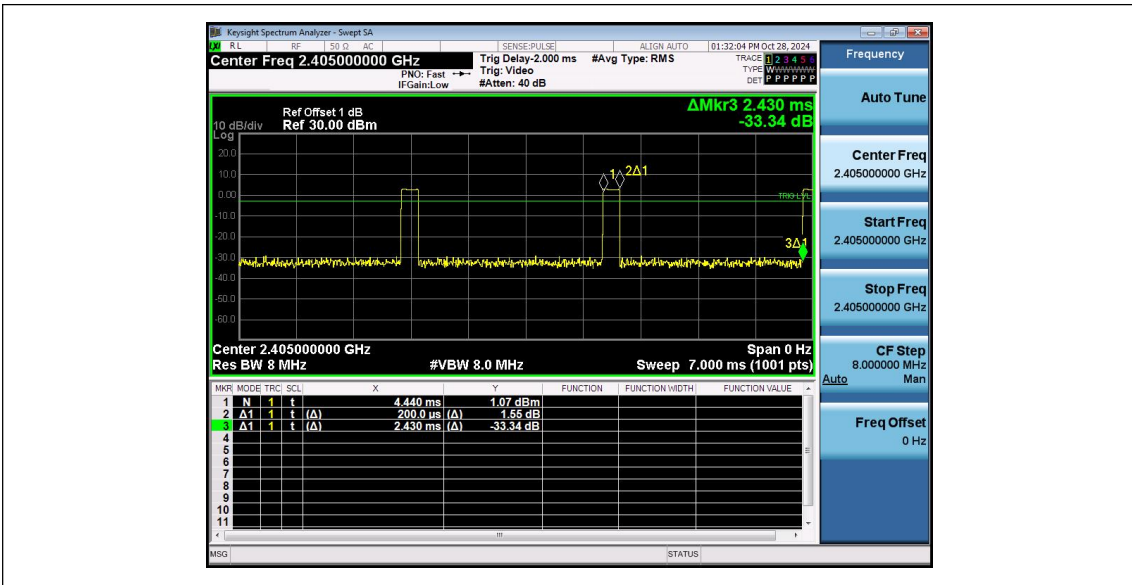
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
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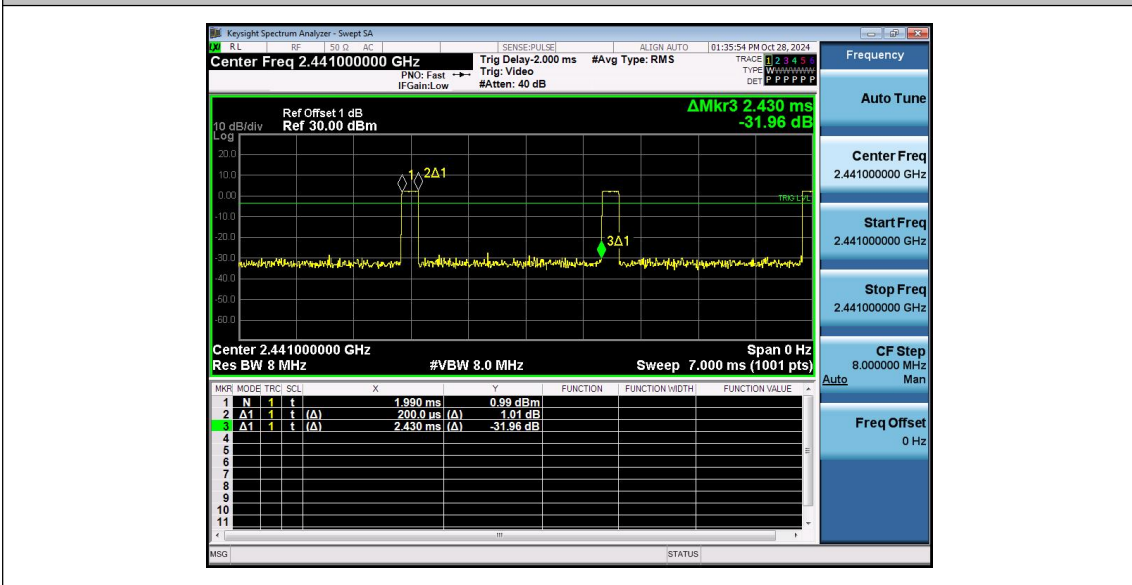
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Test Graphs

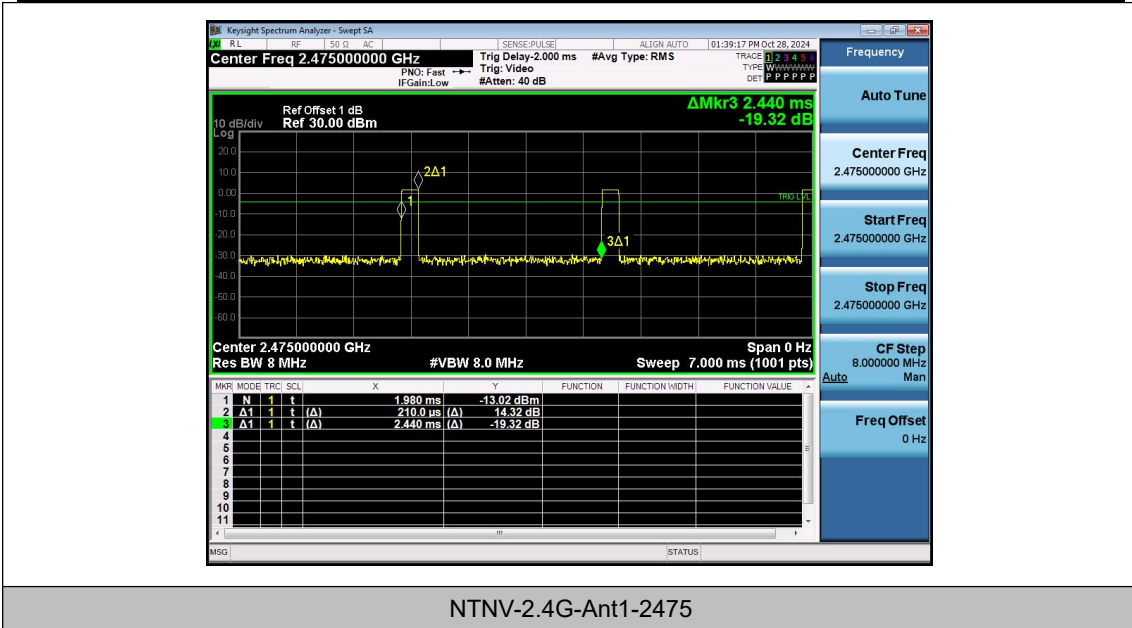


NTNV-2.4G-Ant1-2405



NTNV-2.4G-Ant1-2441





---End---

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