

Appendix Test Data

Report No.:	18220WC40097501	Test Sample No.:	1-2-2
Start Test Date:	2024.05.15	Finish Test Date:	2024.05.23
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.1℃	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.011	2401.472	2402.483	---	---
DH5	Ant1	2441	1.032	2440.469	2441.501	---	---
DH5	Ant1	2480	1.017	2479.475	2480.492	---	---
2DH5	Ant1	2402	1.290	2401.349	2402.639	---	---
2DH5	Ant1	2441	1.308	2440.334	2441.642	---	---
2DH5	Ant1	2480	1.359	2479.307	2480.666	---	---



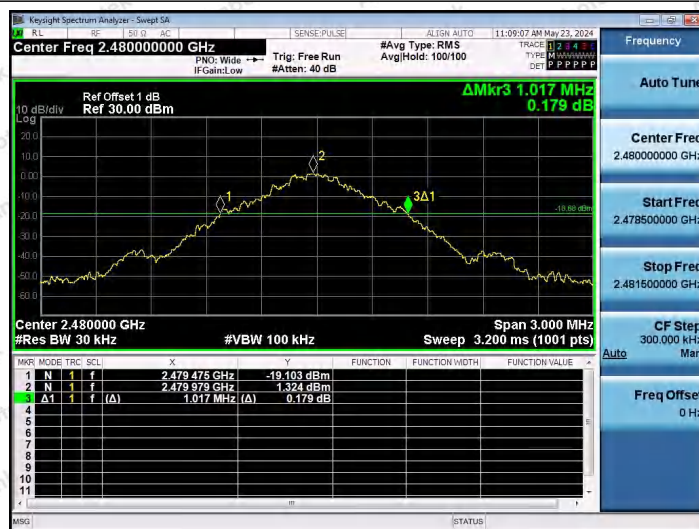
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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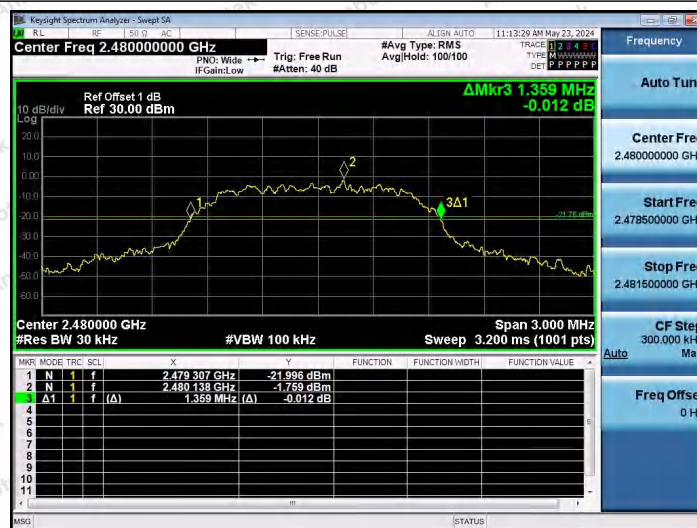




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87979	2401.5463	2402.4261	---	---
DH5	Ant1	2441	0.89933	2440.5344	2441.4338	---	---
DH5	Ant1	2480	0.90884	2479.5291	2480.4380	---	---
2DH5	Ant1	2402	1.2117	2401.3815	2402.5932	---	---
2DH5	Ant1	2441	1.1908	2440.3868	2441.5776	---	---
2DH5	Ant1	2480	1.2055	2479.3825	2480.5880	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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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
DH5	Ant1	2402	3.74	≤20.97	PASS
DH5	Ant1	2441	3.95	≤20.97	PASS
DH5	Ant1	2480	4.01	≤20.97	PASS
2DH5	Ant1	2402	4.59	≤20.97	PASS
2DH5	Ant1	2441	4.75	≤20.97	PASS
2DH5	Ant1	2480	4.85	≤20.97	PASS



Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

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2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS

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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.688	PASS
2DH5	Ant1	Hop	1.006	≥ 0.906	PASS



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
DH1	Ant1	Hop	0.383	317	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.638	166	0.272	≤0.4	PASS
DH5	Ant1	Hop	2.884	106	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.643	162	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.891	88	0.254	≤0.4	PASS

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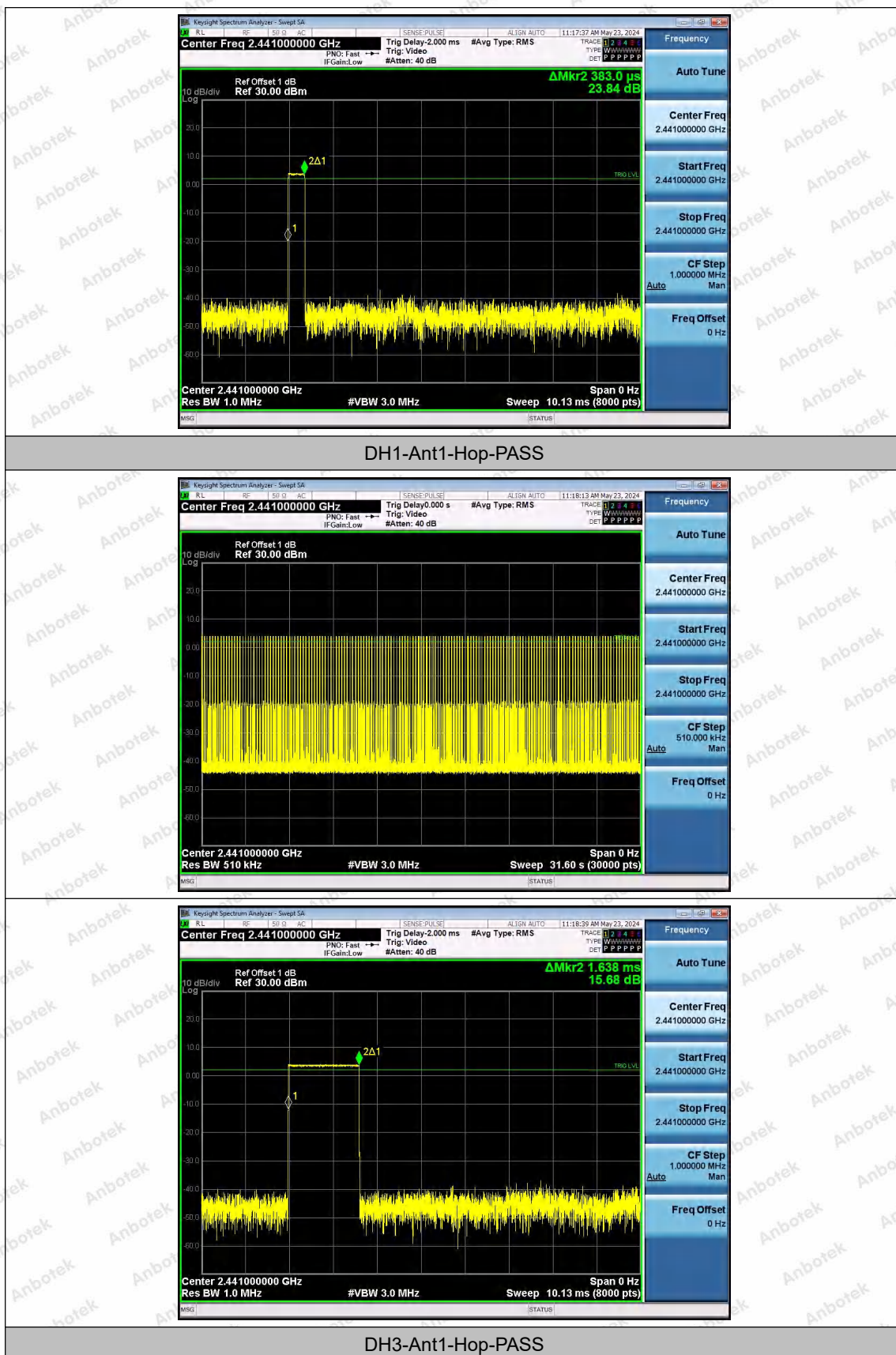
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Test Graphs



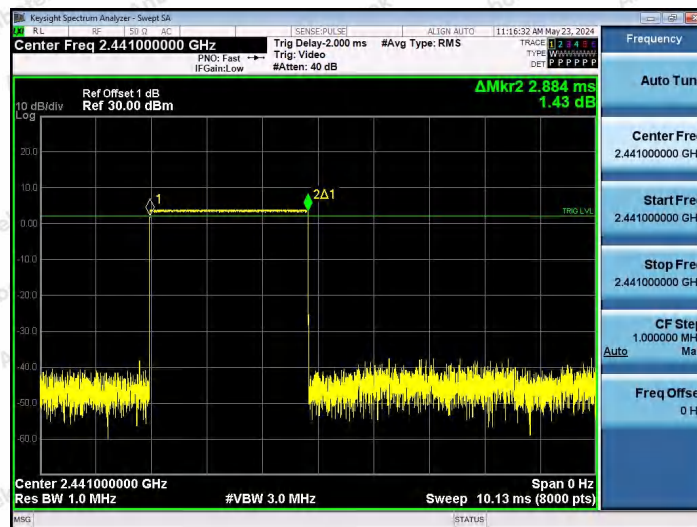
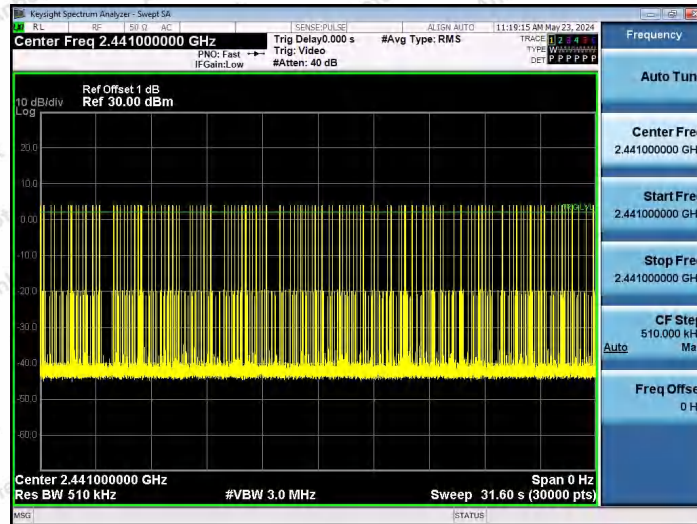
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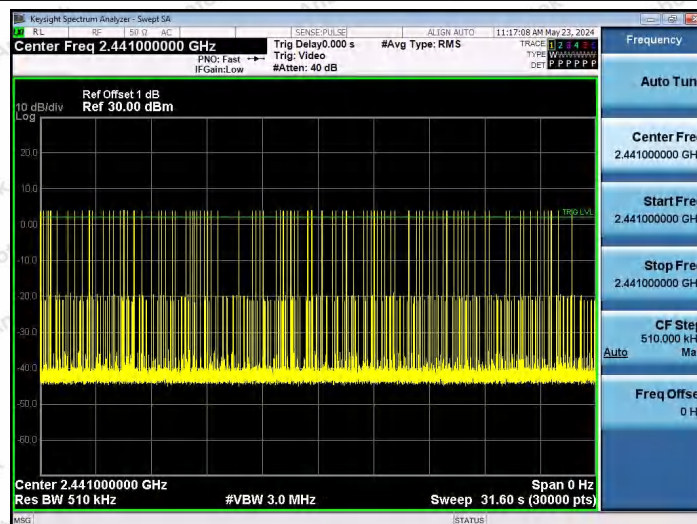


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DH5-Ant1-Hop-PASS



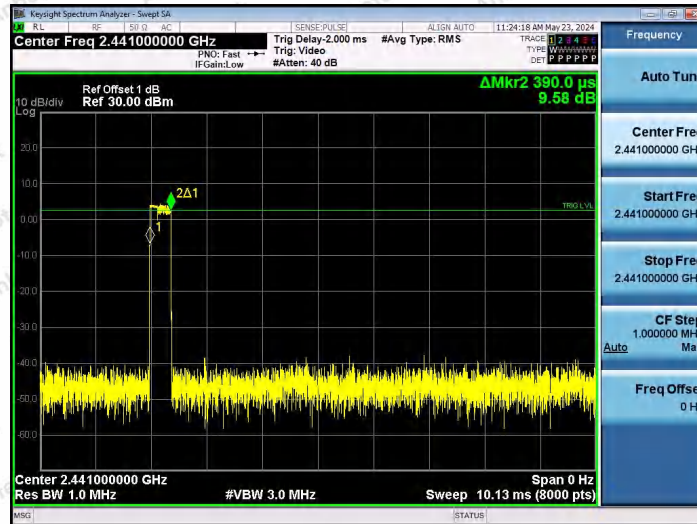
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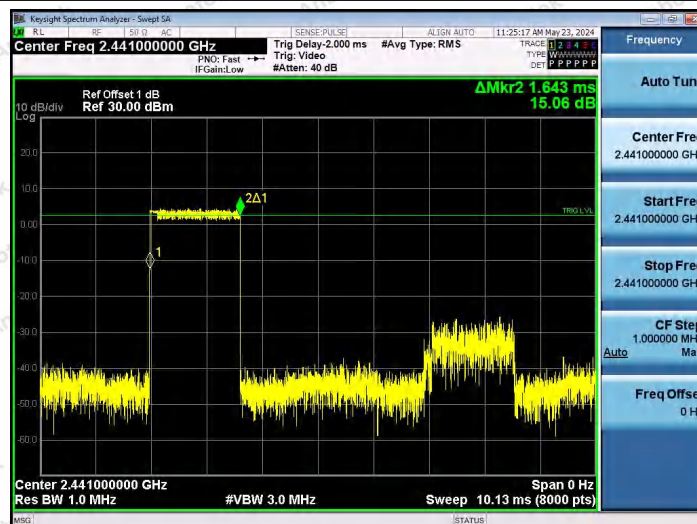
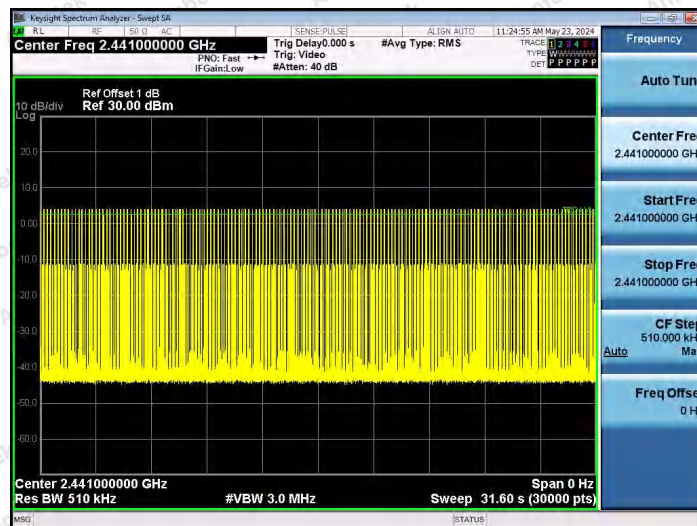


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2DH1-Ant1-Hop-PASS



2DH3-Ant1-Hop-PASS

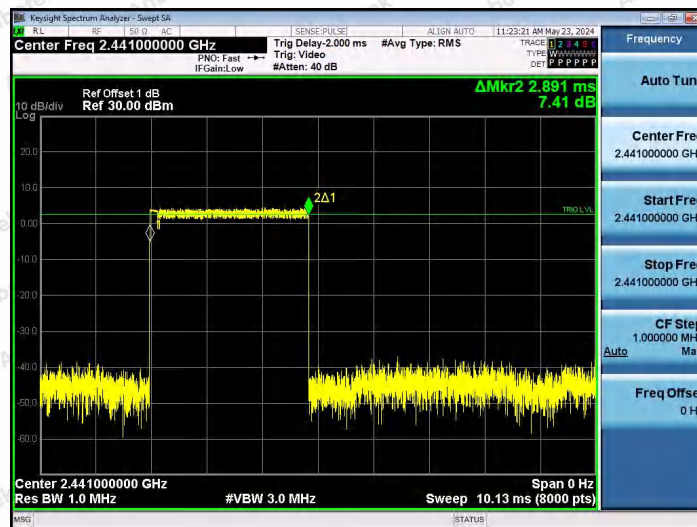
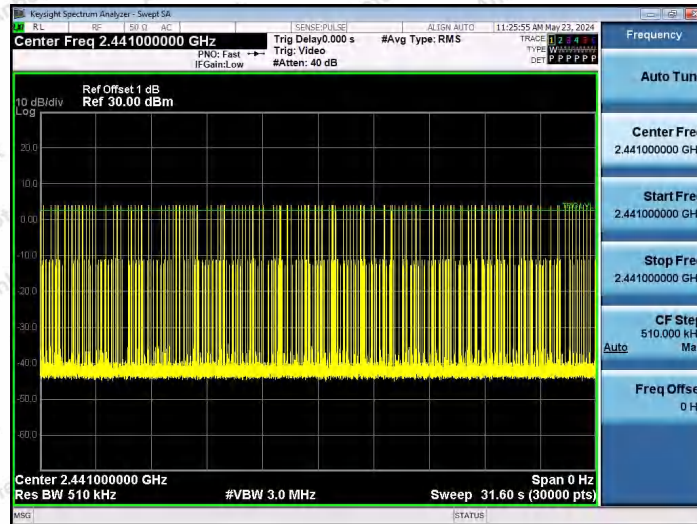
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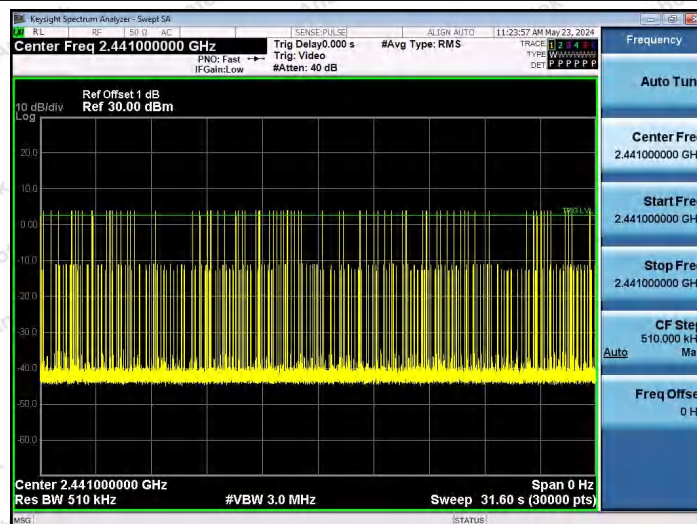


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2DH5-Ant1-Hop-PASS



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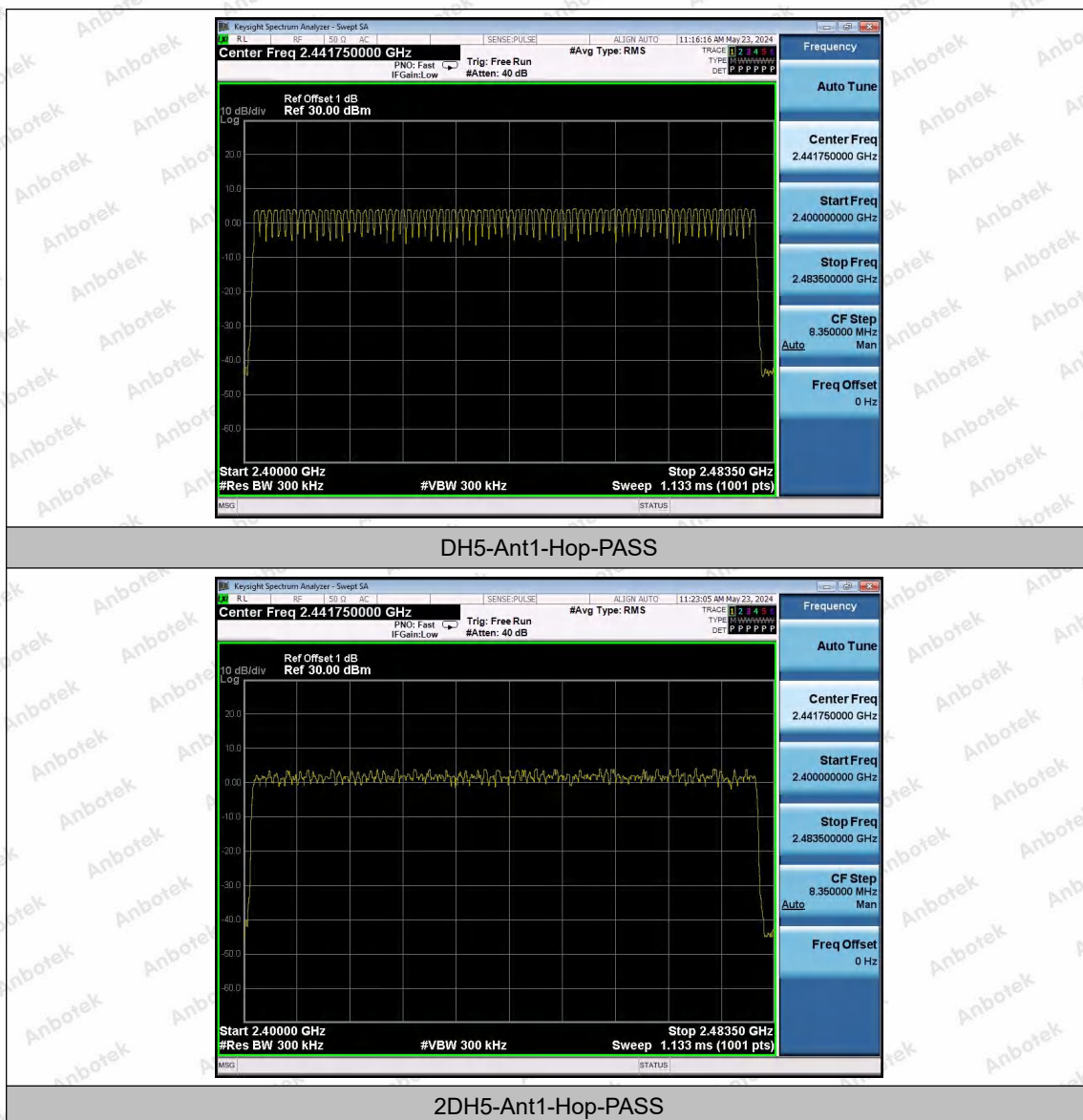
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



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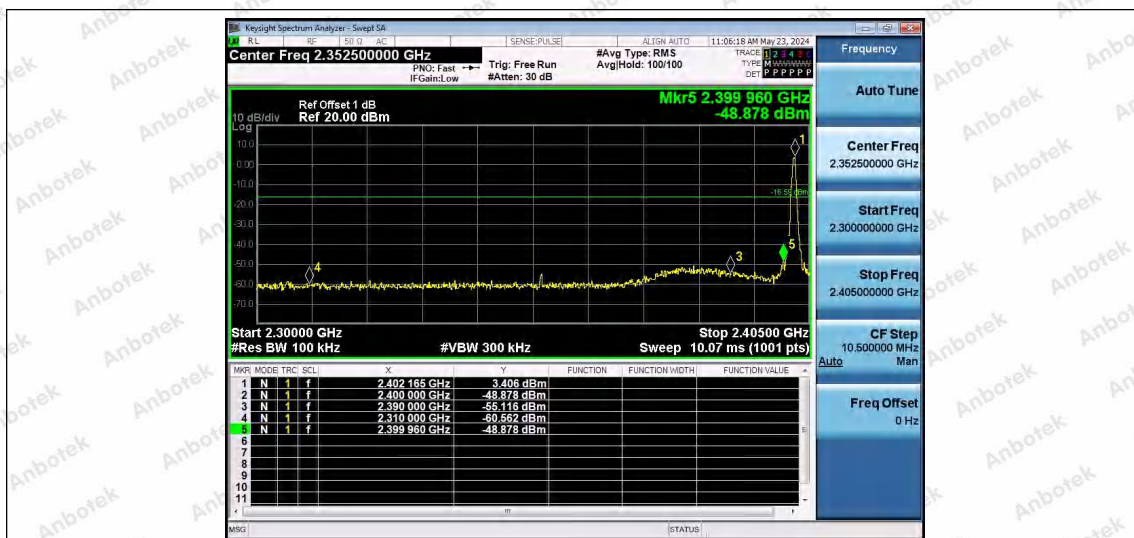
Appendix G: Conducted Band edge

Test Result

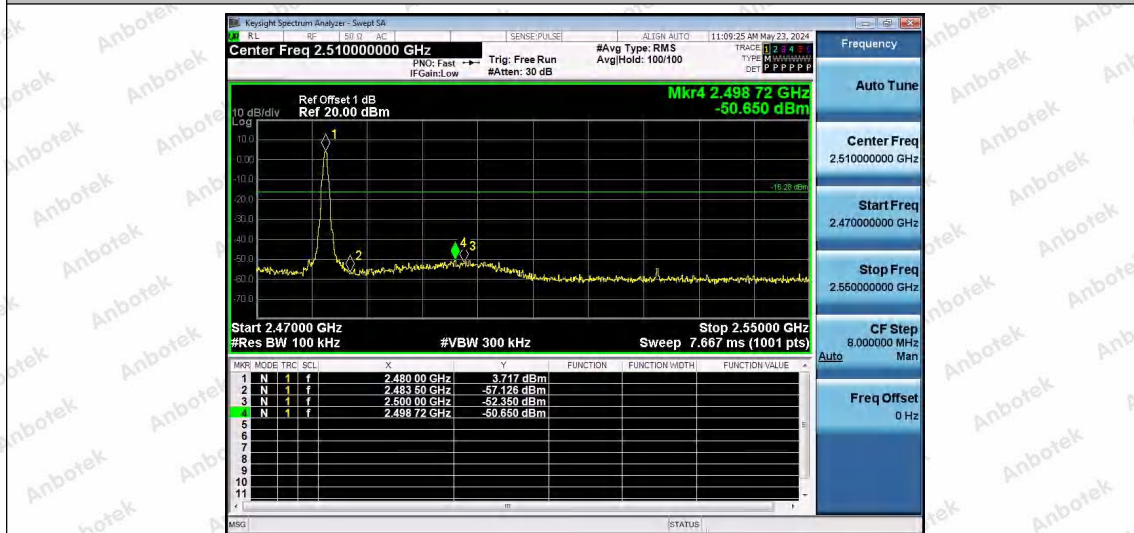
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.41	-48.88	≤-16.59	PASS
DH5	Ant1	High	2480	3.72	-50.65	≤-16.28	PASS
DH5	Ant1	Low	Hop_2402	2.88	-51.01	≤-17.12	PASS
DH5	Ant1	High	Hop_2480	3.91	-50.04	≤-16.09	PASS
2DH5	Ant1	Low	2402	2.29	-48.62	≤-17.71	PASS
2DH5	Ant1	High	2480	3.51	-49.59	≤-16.49	PASS
2DH5	Ant1	Low	Hop_2402	-0.16	-50.16	≤-20.16	PASS
2DH5	Ant1	High	Hop_2480	3.73	-50.31	≤-16.27	PASS



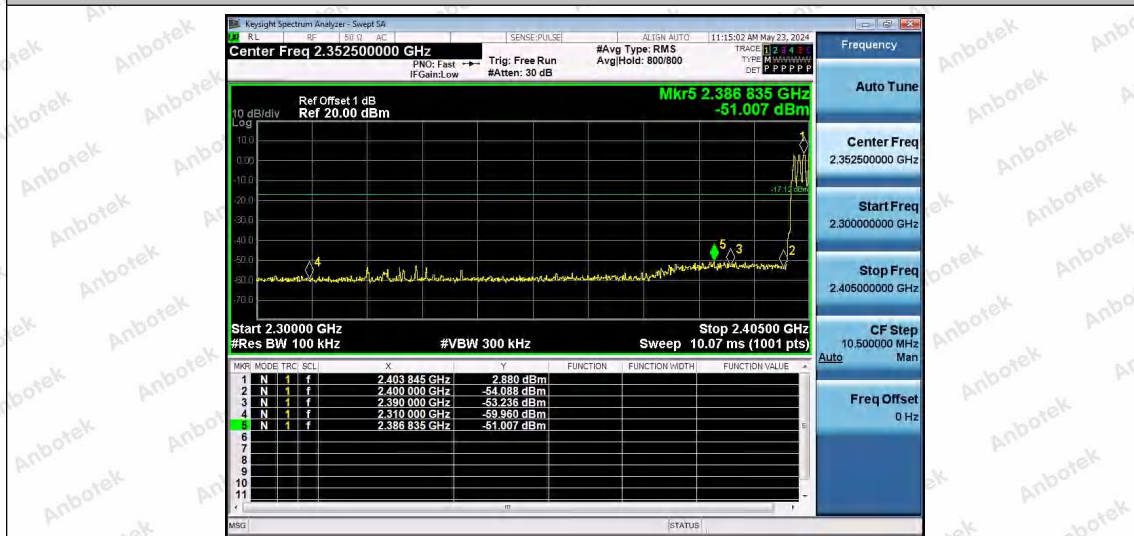
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

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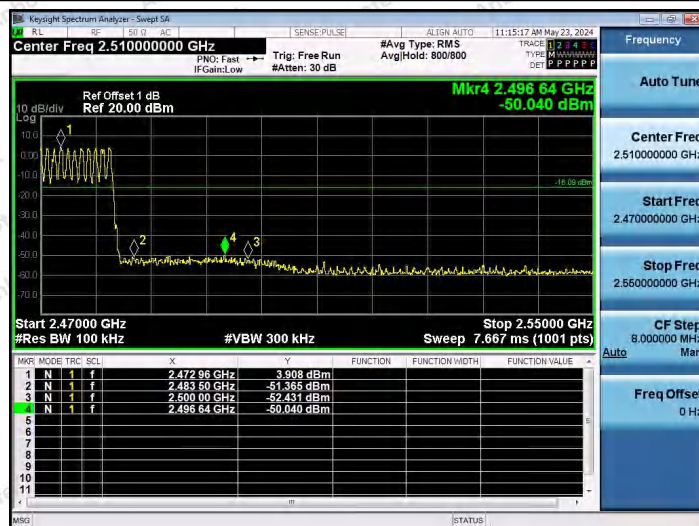


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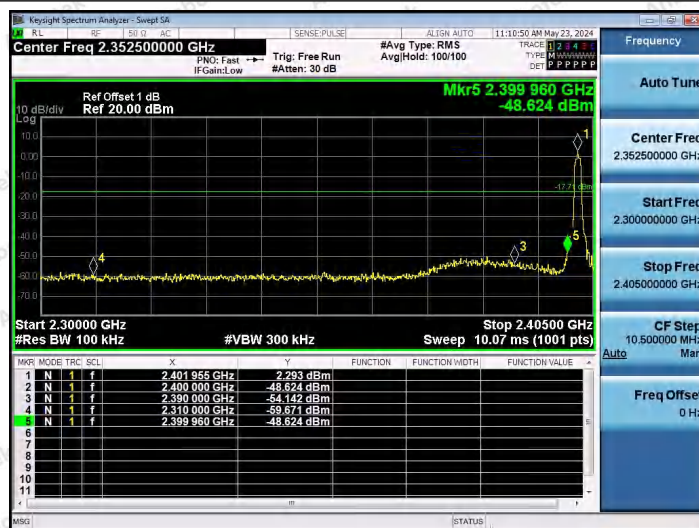
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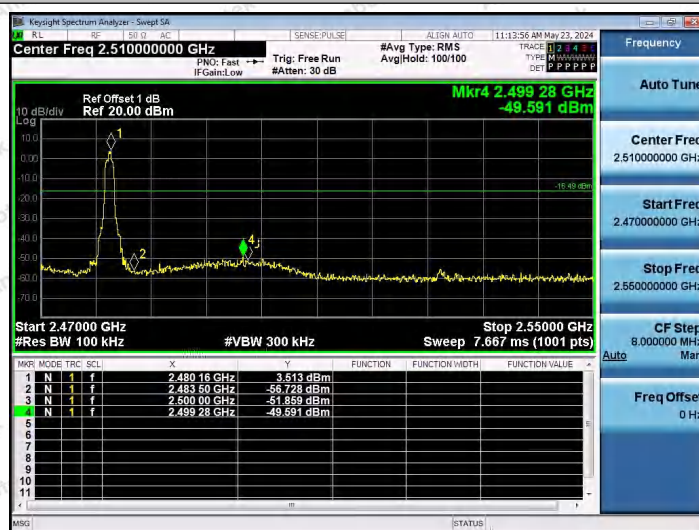




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



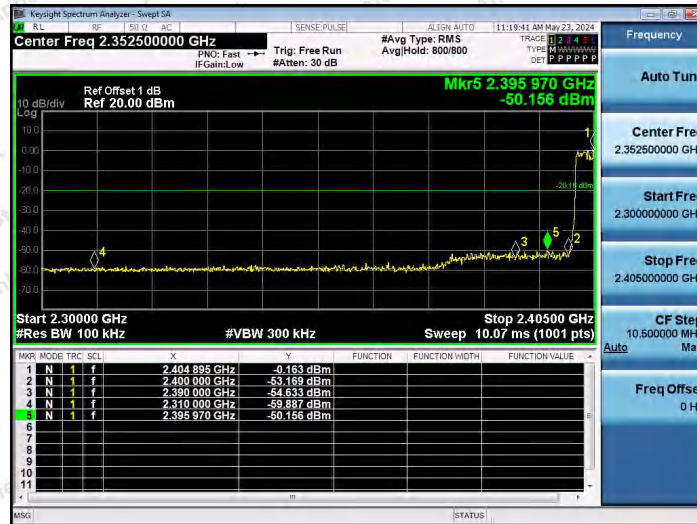
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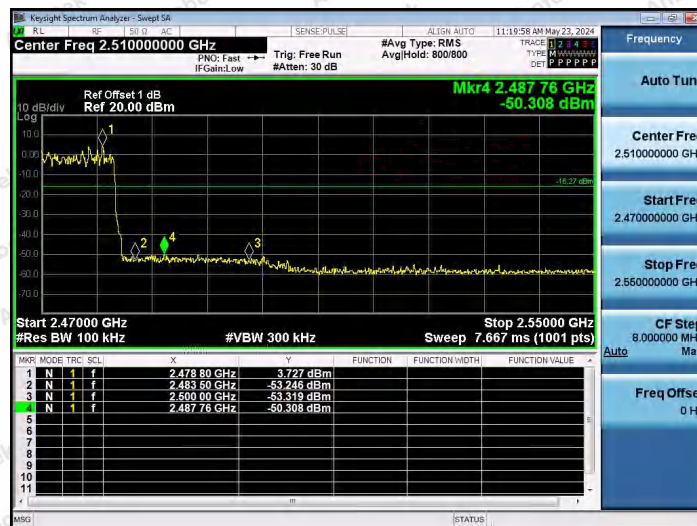
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2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



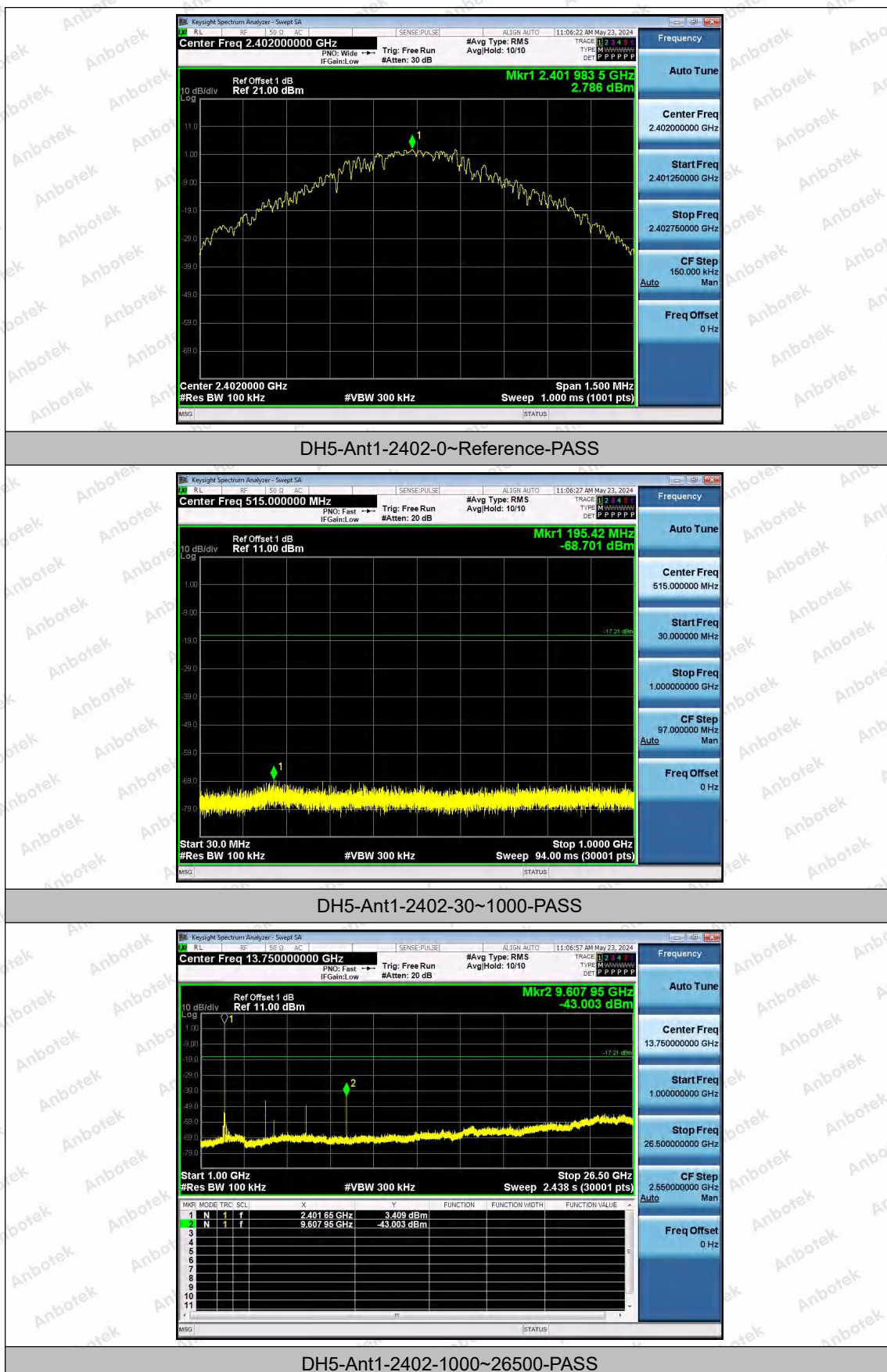
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.79	2.79	---	PASS
DH5	Ant1	2402	30~1000	2.79	-68.7	≤-17.21	PASS
DH5	Ant1	2402	1000~26500	2.79	-43	≤-17.21	PASS
DH5	Ant1	2441	0~Reference	3.22	3.22	---	PASS
DH5	Ant1	2441	30~1000	3.22	-69.29	≤-16.78	PASS
DH5	Ant1	2441	1000~26500	3.22	-44.52	≤-16.78	PASS
DH5	Ant1	2480	0~Reference	3.91	3.91	---	PASS
DH5	Ant1	2480	30~1000	3.91	-68.74	≤-16.09	PASS
DH5	Ant1	2480	1000~26500	3.91	-46.09	≤-16.09	PASS
2DH5	Ant1	2402	0~Reference	-0.16	-0.16	---	PASS
2DH5	Ant1	2402	30~1000	-0.16	-68.71	≤-20.16	PASS
2DH5	Ant1	2402	1000~26500	-0.16	-42.78	≤-20.16	PASS
2DH5	Ant1	2441	0~Reference	0.02	0.02	---	PASS
2DH5	Ant1	2441	30~1000	0.02	-69.11	≤-19.98	PASS
2DH5	Ant1	2441	1000~26500	0.02	-44.37	≤-19.98	PASS
2DH5	Ant1	2480	0~Reference	2.50	2.50	---	PASS
2DH5	Ant1	2480	30~1000	2.50	-68.3	≤-17.5	PASS
2DH5	Ant1	2480	1000~26500	2.50	-45.72	≤-17.5	PASS



Test Graphs



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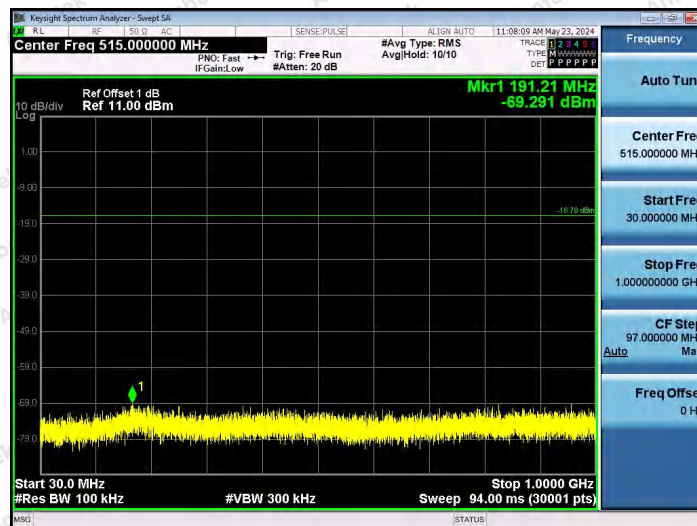
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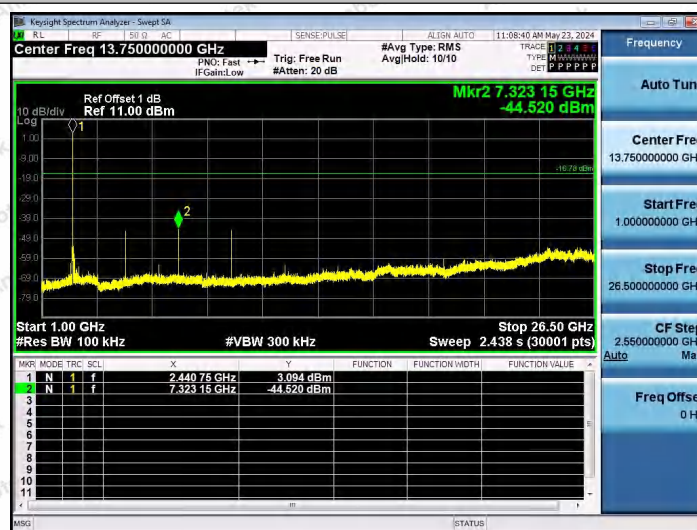




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



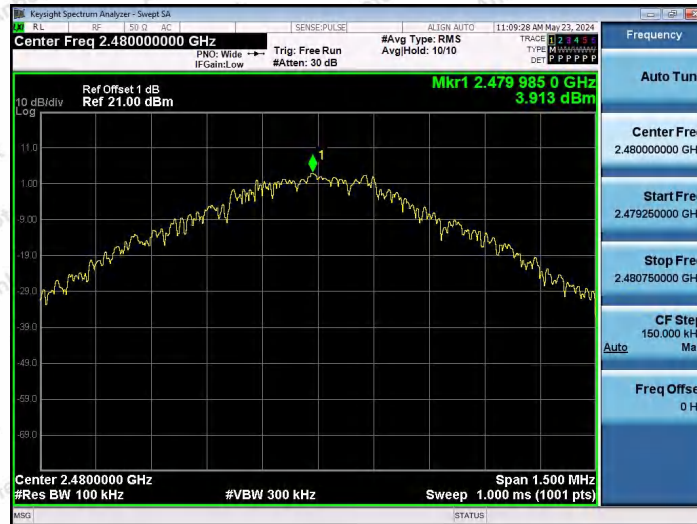
DH5-Ant1-2441-1000~26500-PASS

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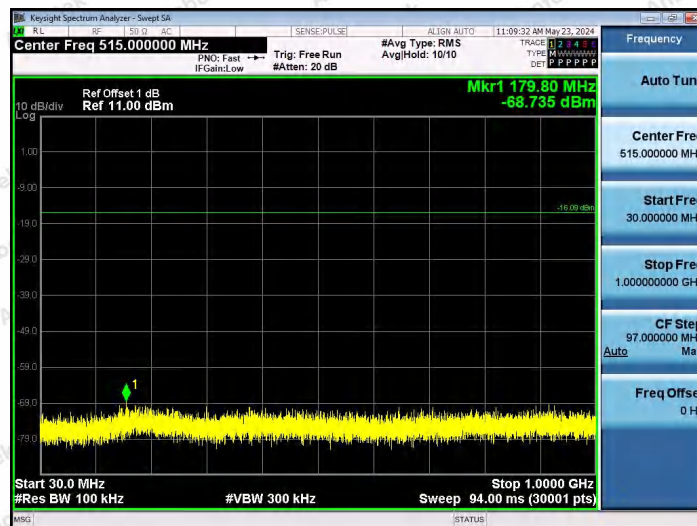
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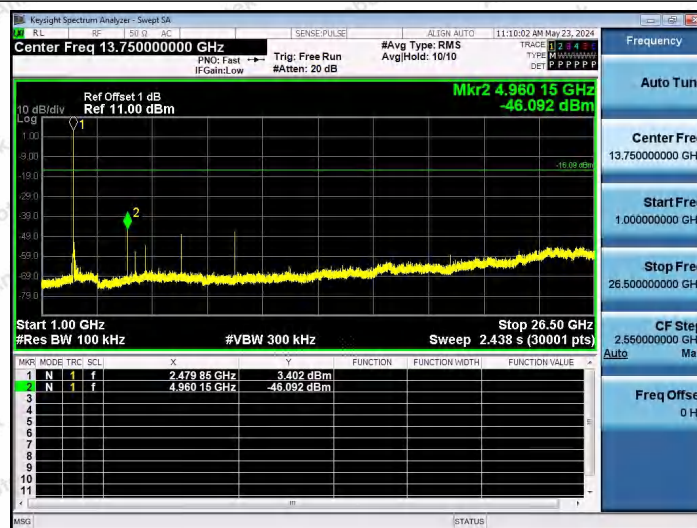




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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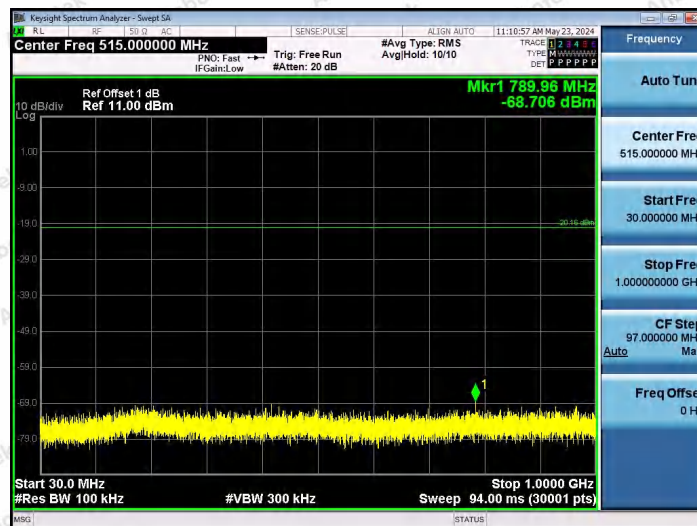
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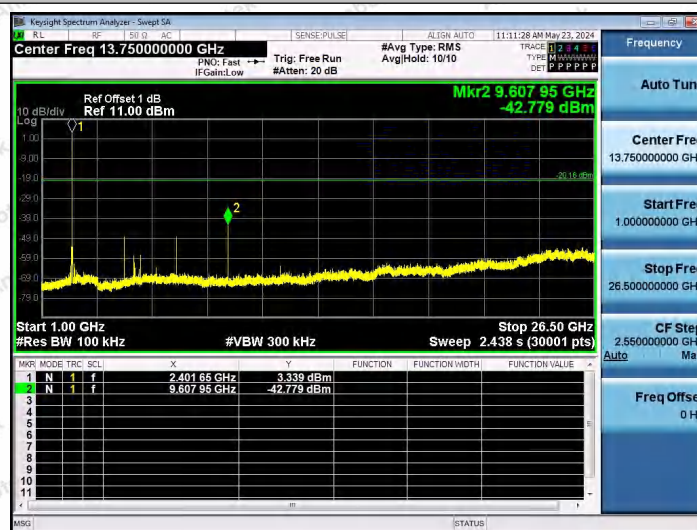




2DH5-Ant1-2402-0~Reference-PASS



2DH5-Ant1-2402-30~1000-PASS



2DH5-Ant1-2402-1000~26500-PASS

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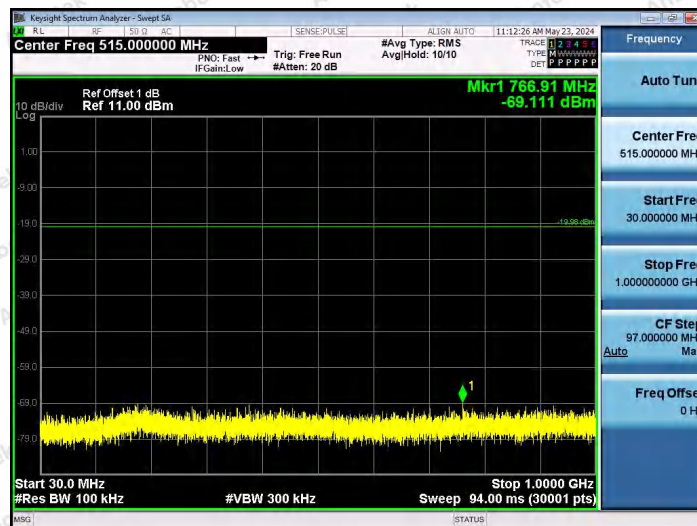
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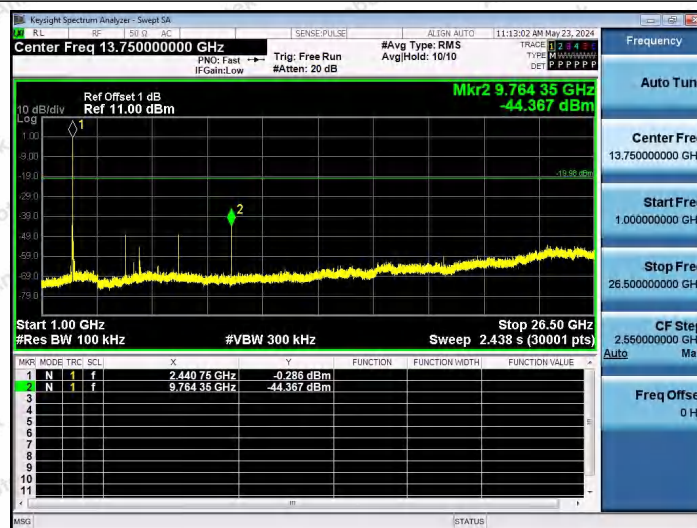




2DH5-Ant1-2441-0~Reference-PASS



2DH5-Ant1-2441-30~1000-PASS



2DH5-Ant1-2441-1000~26500-PASS

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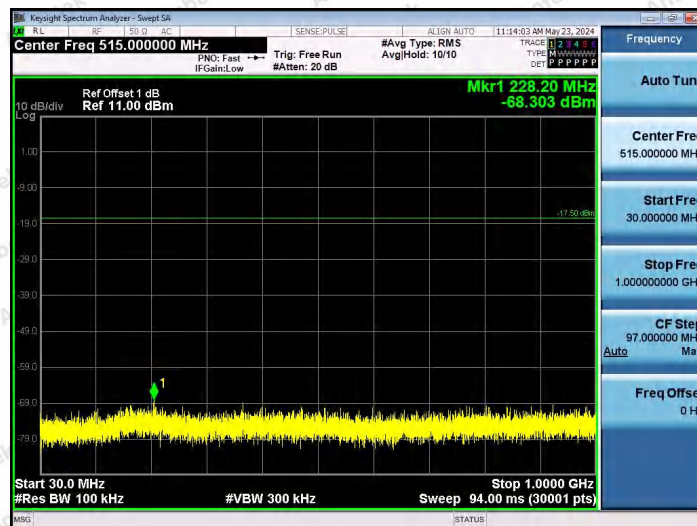
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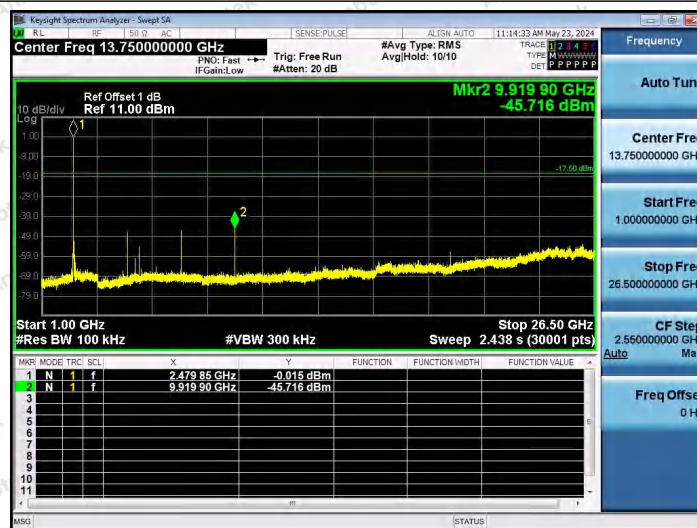




2DH5-Ant1-2480-0~Reference-PASS



2DH5-Ant1-2480-30~1000-PASS



2DH5-Ant1-2480-1000~26500-PASS

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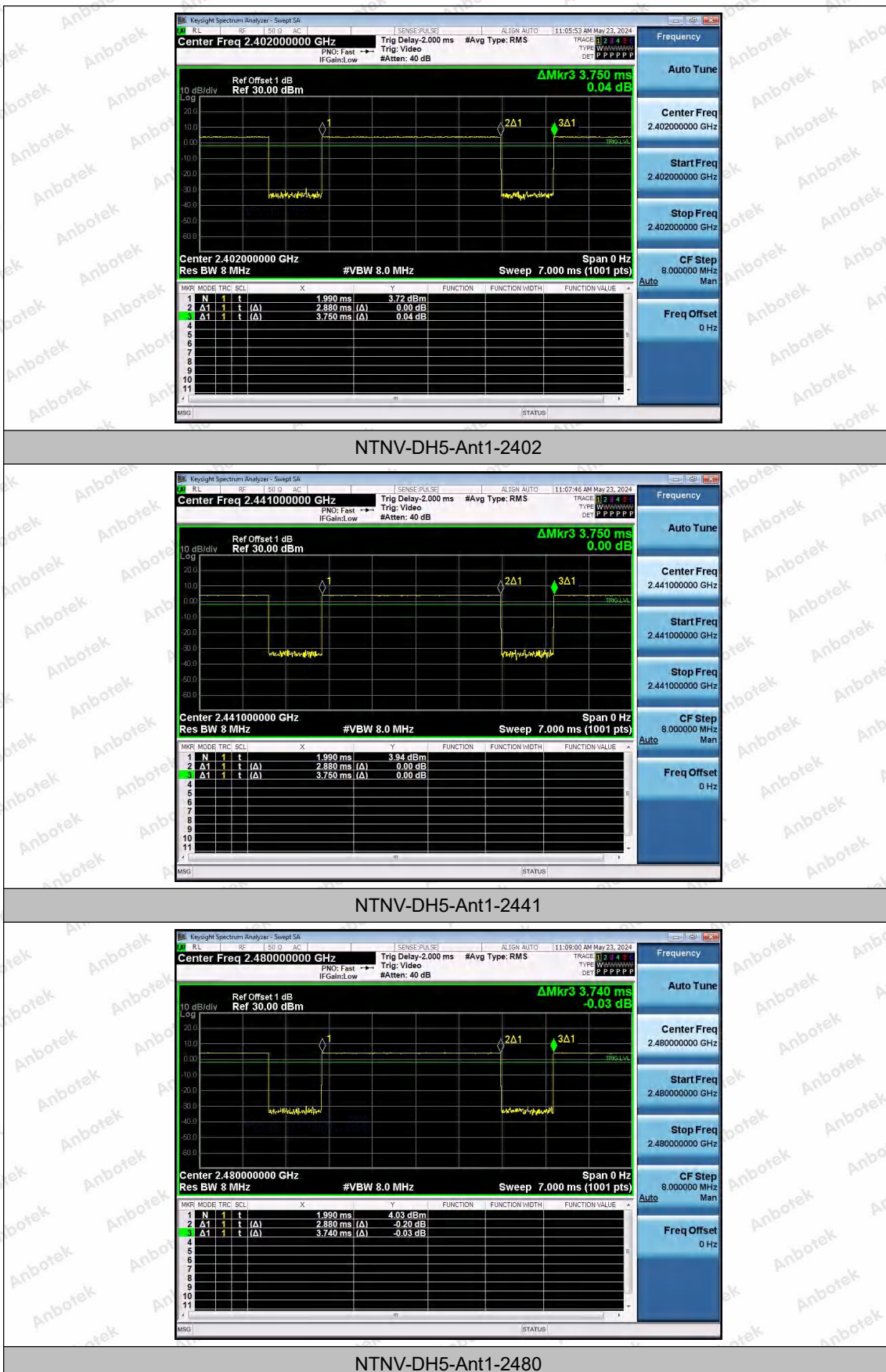
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.89	3.74	77.27	1.12
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13



Test Graphs



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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline

400-003-0500
www.anbotek.com.cn

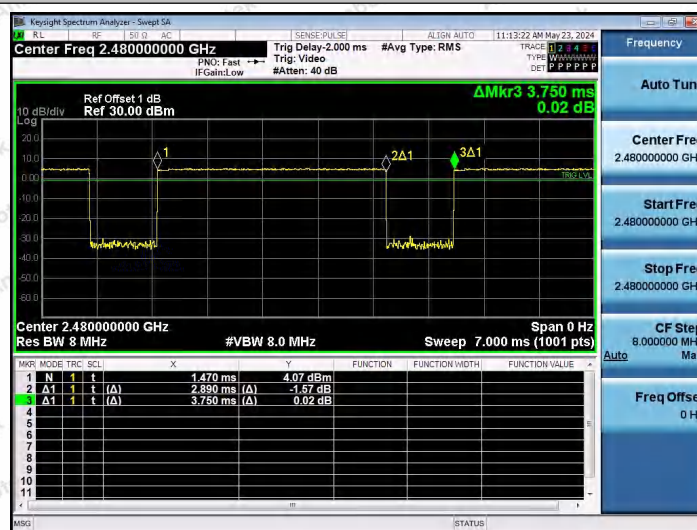




NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441



NTVN-2DH5-Ant1-2480

---End---

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