

Appendix Test Data

Report No.:	1813C40012512501	Test Sample No.:	1-2-2
Start Test Date:	2024.08.28	Finish Test Date:	2024.09.09
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	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
DH5	Ant1	2402	0.813	2401.577	2402.390	---	---
DH5	Ant1	2441	0.816	2440.568	2441.384	---	---
DH5	Ant1	2480	0.849	2479.535	2480.384	---	---
2DH5	Ant1	2402	1.371	2401.331	2402.702	---	---
2DH5	Ant1	2441	1.368	2440.337	2441.705	---	---
2DH5	Ant1	2480	1.377	2479.337	2480.714	---	---
3DH5	Ant1	2402	1.320	2401.355	2402.675	---	---
3DH5	Ant1	2441	1.353	2440.343	2441.696	---	---
3DH5	Ant1	2480	1.317	2479.373	2480.690	---	---



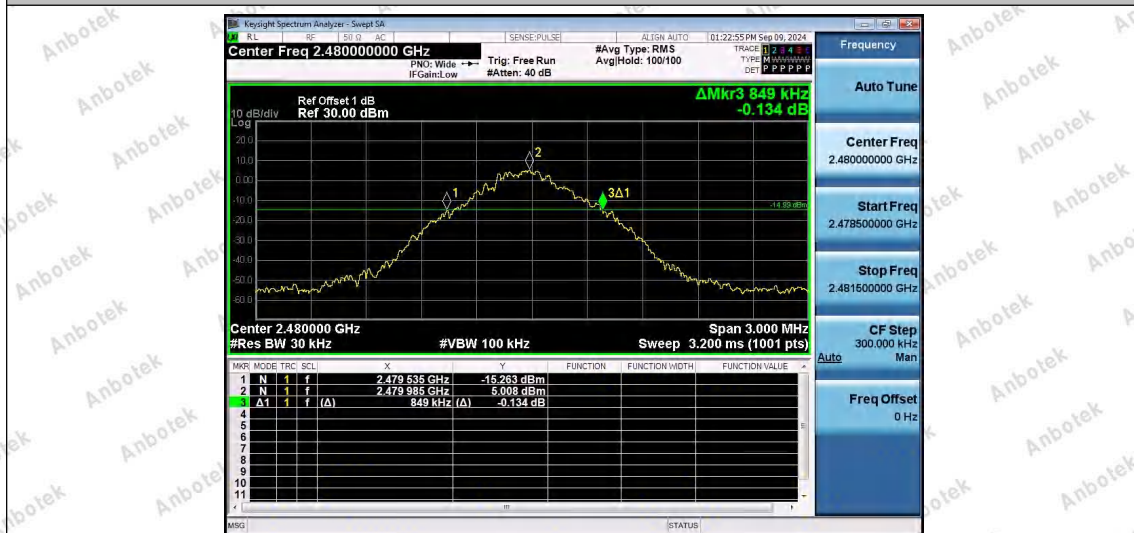
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-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	0.77457	2401.5836	2402.3582	---	---
DH5	Ant1	2441	0.75039	2440.5918	2441.3422	---	---
DH5	Ant1	2480	0.75891	2479.5871	2480.3460	---	---
2DH5	Ant1	2402	1.2427	2401.4014	2402.6441	---	---
2DH5	Ant1	2441	1.2395	2440.4072	2441.6467	---	---
2DH5	Ant1	2480	1.2478	2479.4065	2480.6543	---	---
3DH5	Ant1	2402	1.2347	2401.3926	2402.6273	---	---
3DH5	Ant1	2441	1.2348	2440.3981	2441.6329	---	---
3DH5	Ant1	2480	1.2530	2479.3964	2480.6494	---	---



Test Graphs



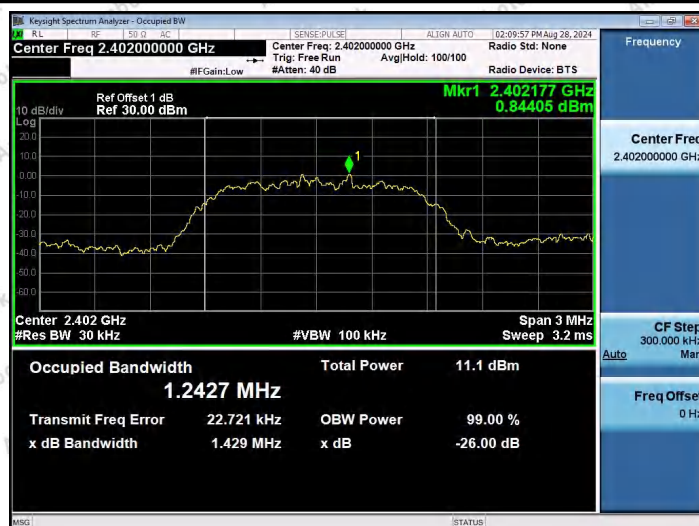
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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

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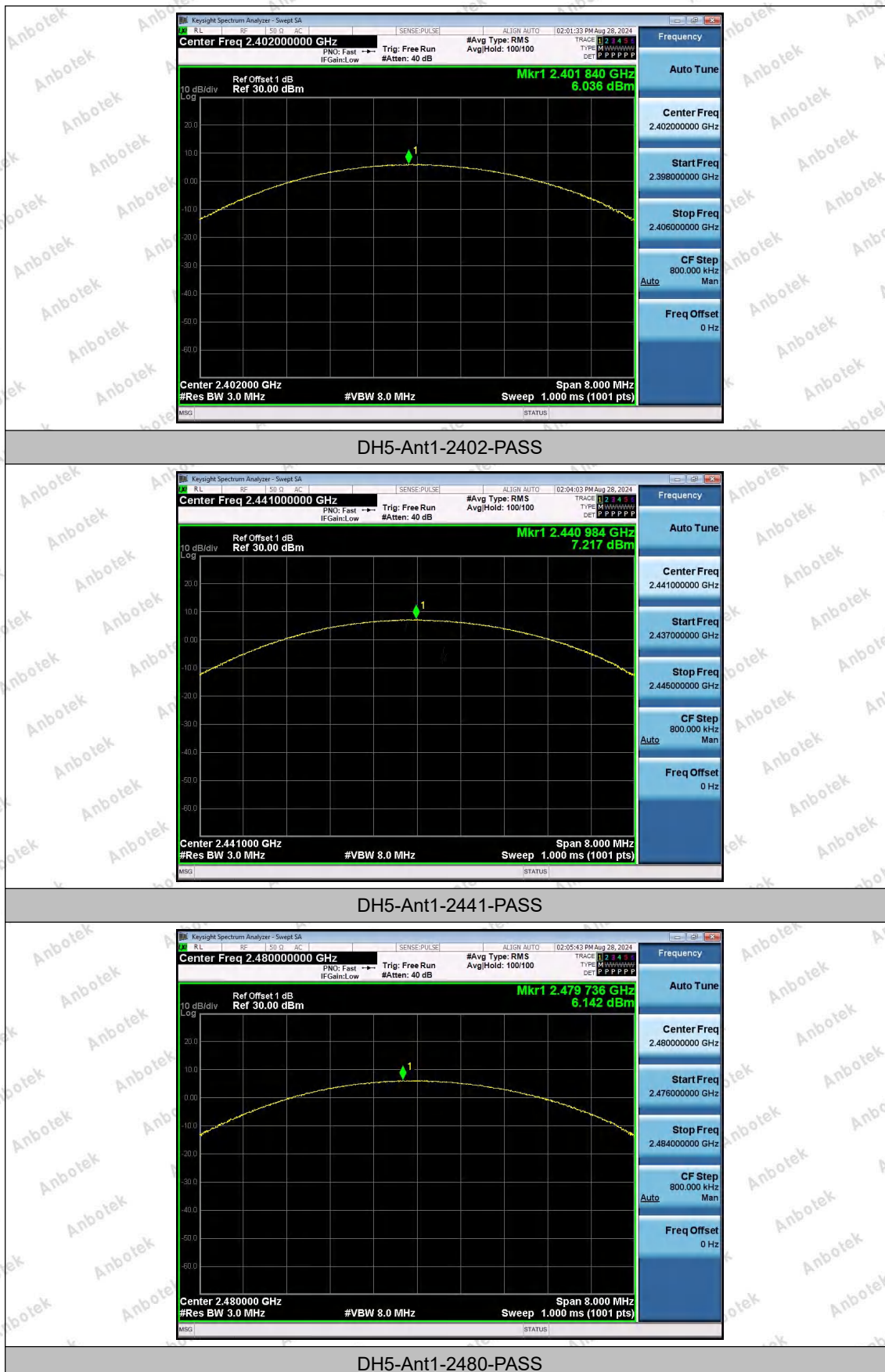
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	6.04	≤20.97	PASS
DH5	Ant1	2441	7.22	≤20.97	PASS
DH5	Ant1	2480	6.14	≤20.97	PASS
2DH5	Ant1	2402	5.78	≤20.97	PASS
2DH5	Ant1	2441	6.97	≤20.97	PASS
2DH5	Ant1	2480	5.93	≤20.97	PASS
3DH5	Ant1	2402	6.13	≤20.97	PASS
3DH5	Ant1	2441	7.23	≤20.97	PASS
3DH5	Ant1	2480	6.18	≤20.97	PASS



Test Graphs



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2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS

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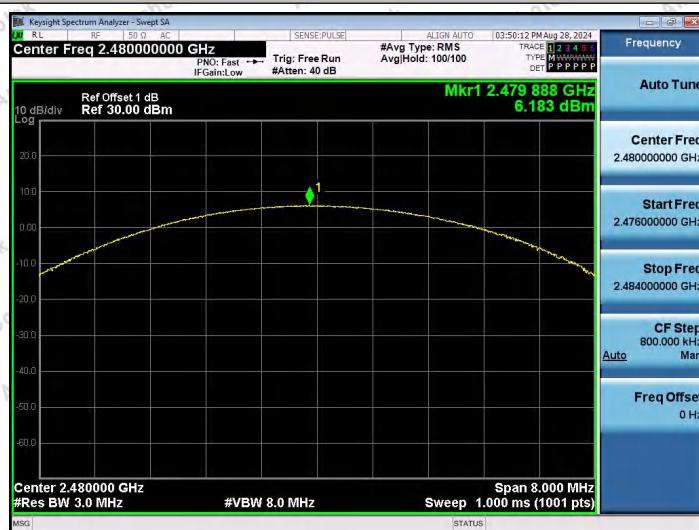




3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

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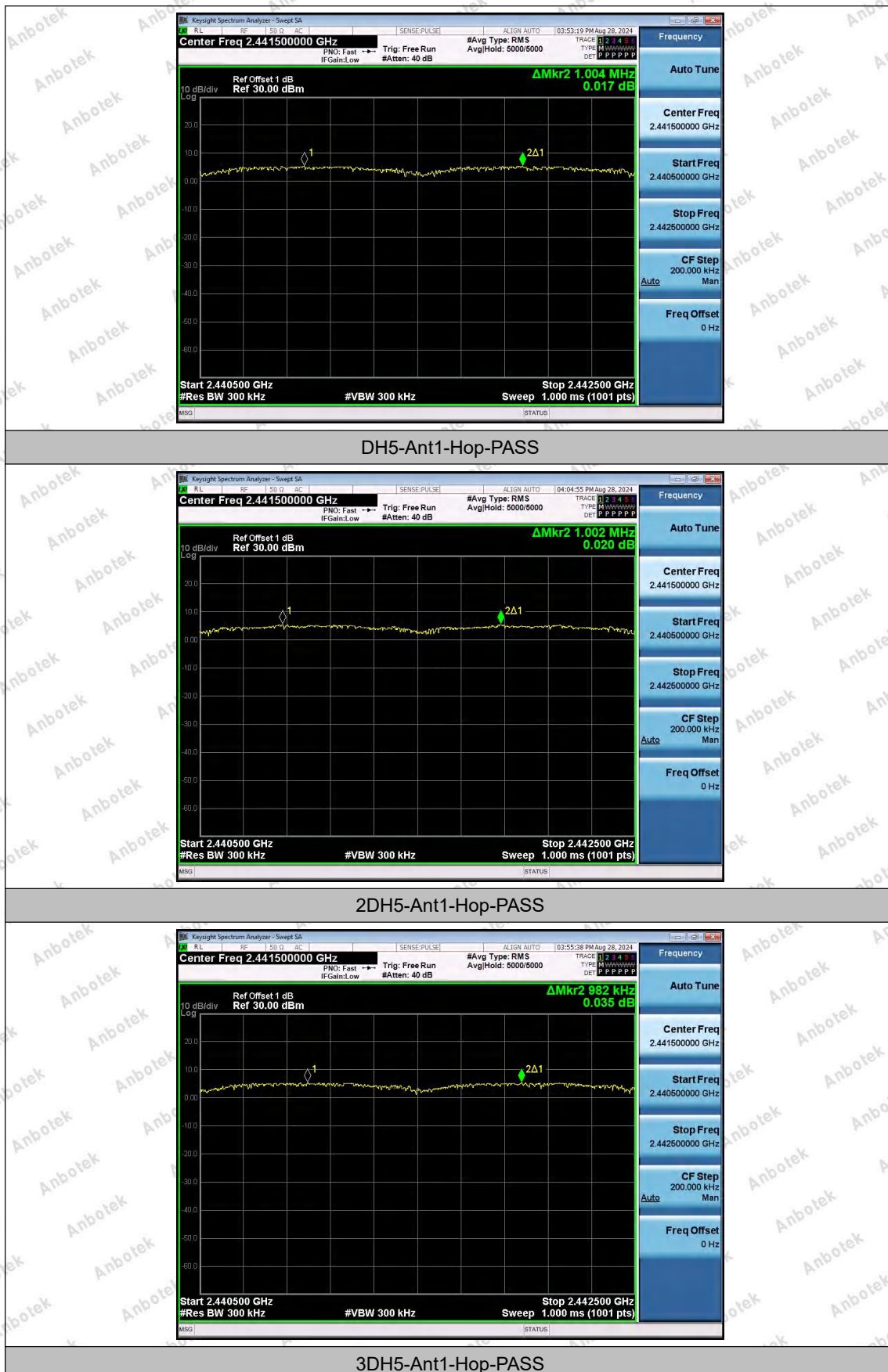
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥0.906	PASS
2DH5	Ant1	Hop	1.002	≥0.918	PASS
3DH5	Ant1	Hop	0.982	≥0.902	PASS



Test Graphs



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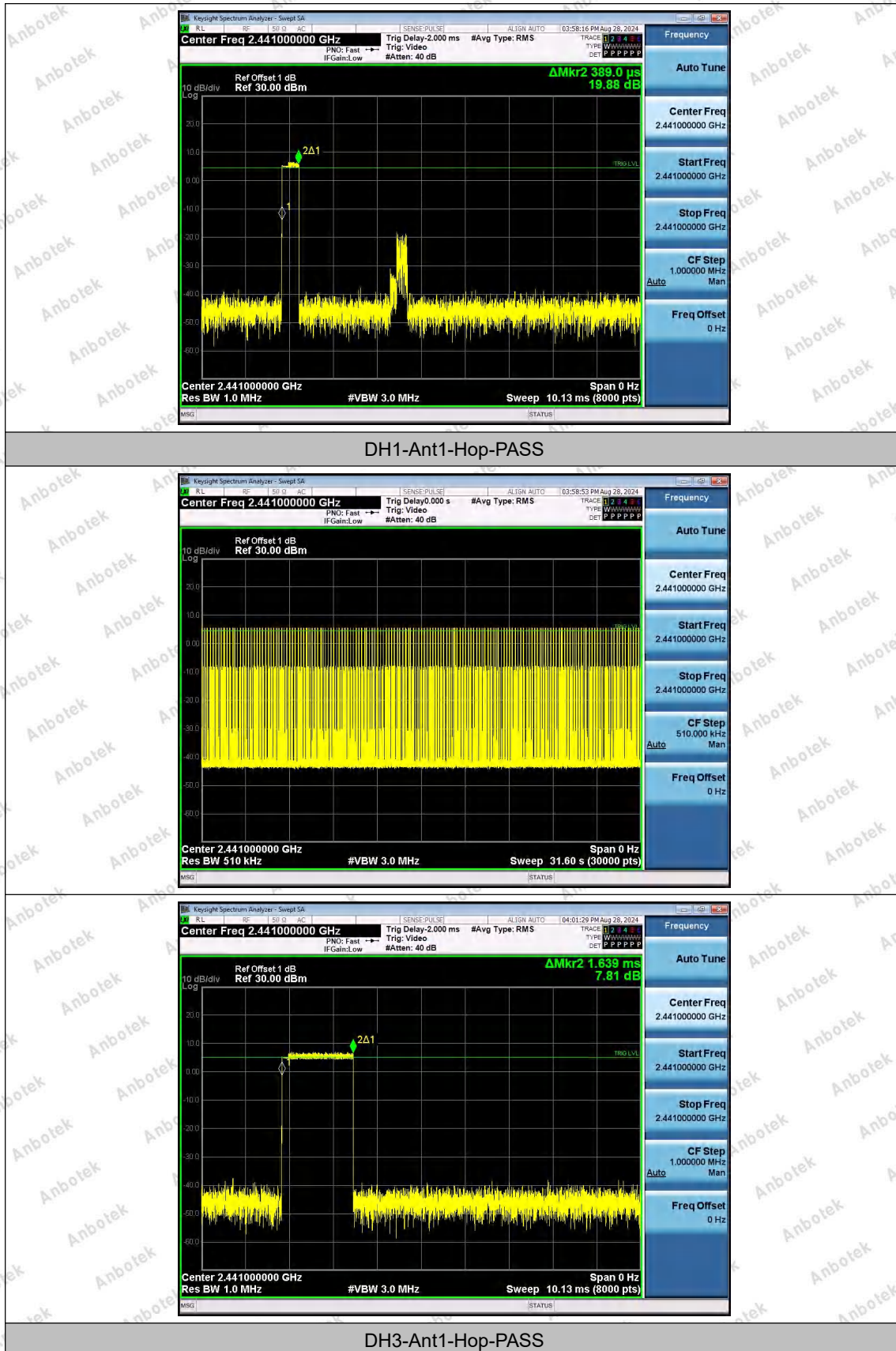
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.389	320	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.639	159	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.889	106	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.388	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	153	0.251	≤0.4	PASS
2DH5	Ant1	Hop	2.888	101	0.292	≤0.4	PASS
3DH1	Ant1	Hop	0.389	318	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.639	151	0.247	≤0.4	PASS
3DH5	Ant1	Hop	2.889	103	0.298	≤0.4	PASS



Test Graphs



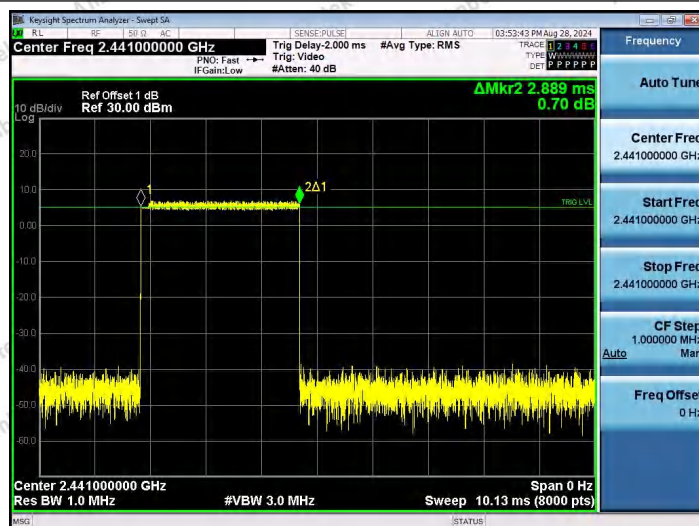
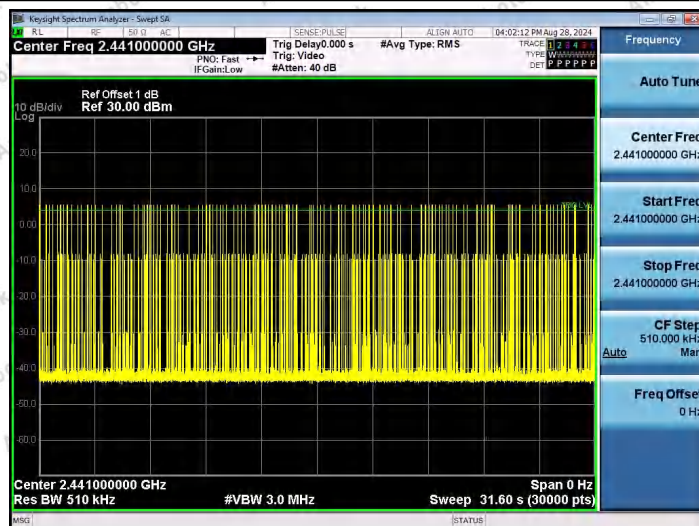
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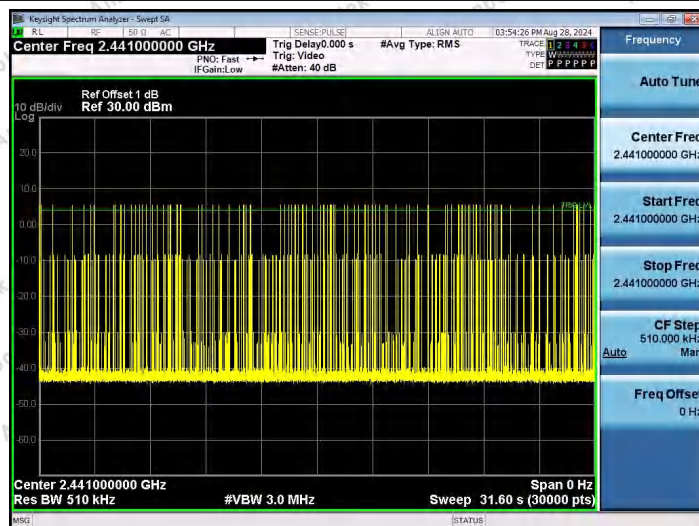


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DH5-Ant1-Hop-PASS



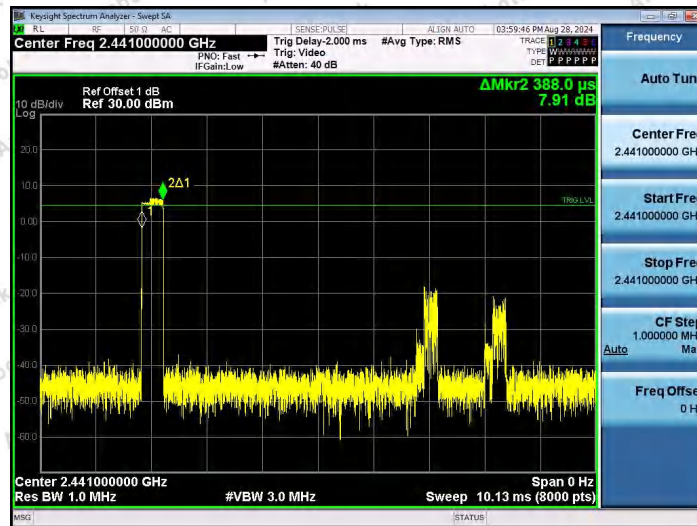
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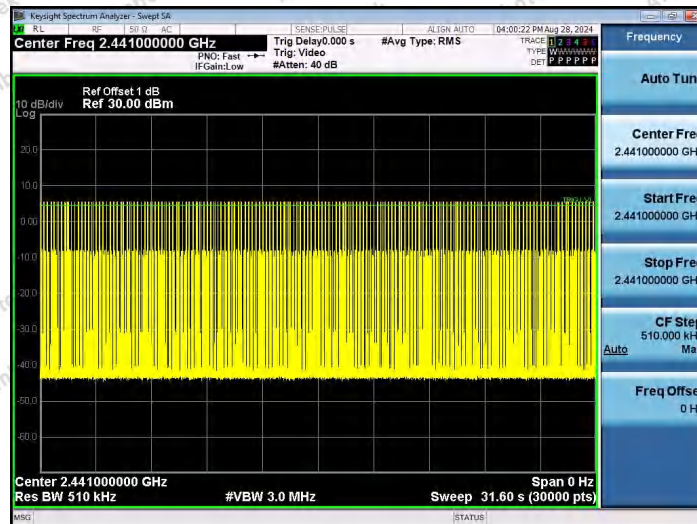


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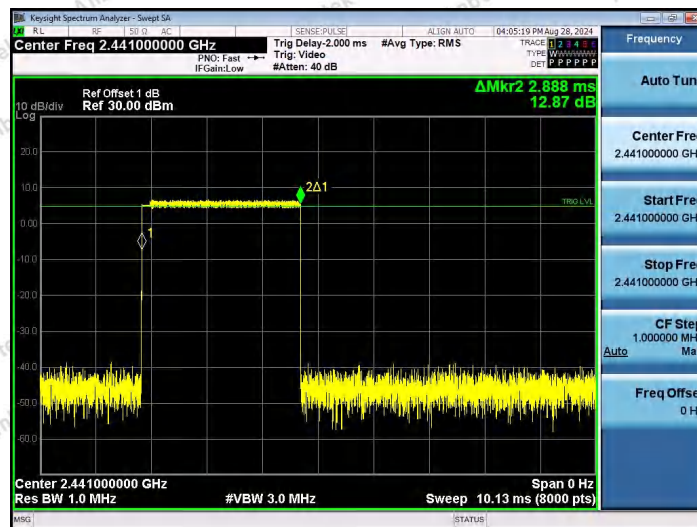
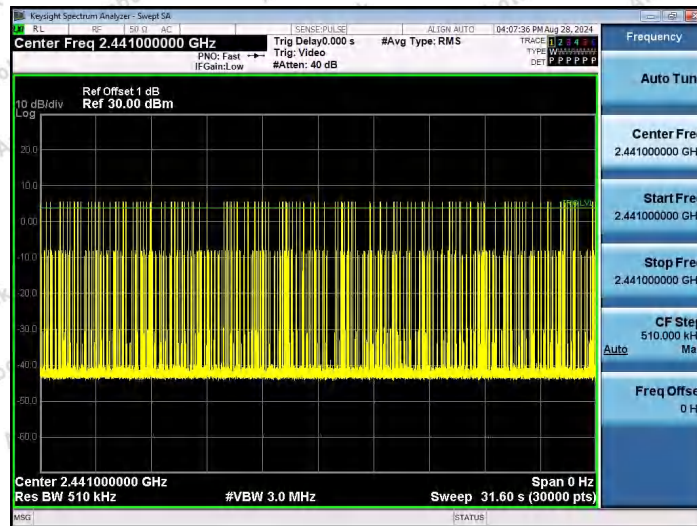


2DH1-Ant1-Hop-PASS

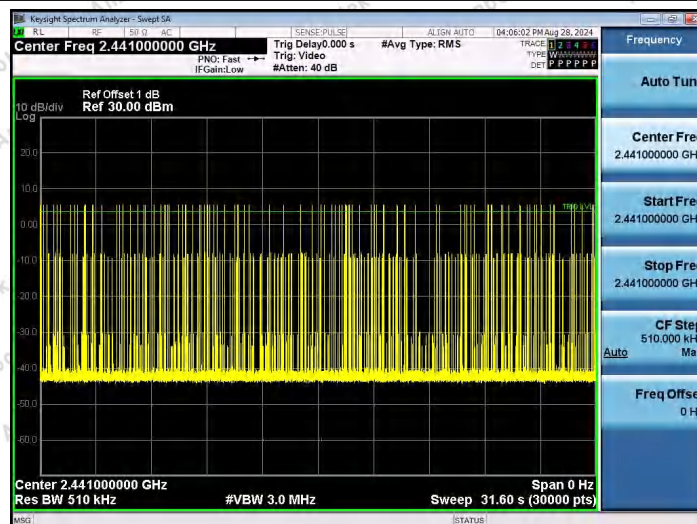


2DH3-Ant1-Hop-PASS





2DH5-Ant1-Hop-PASS



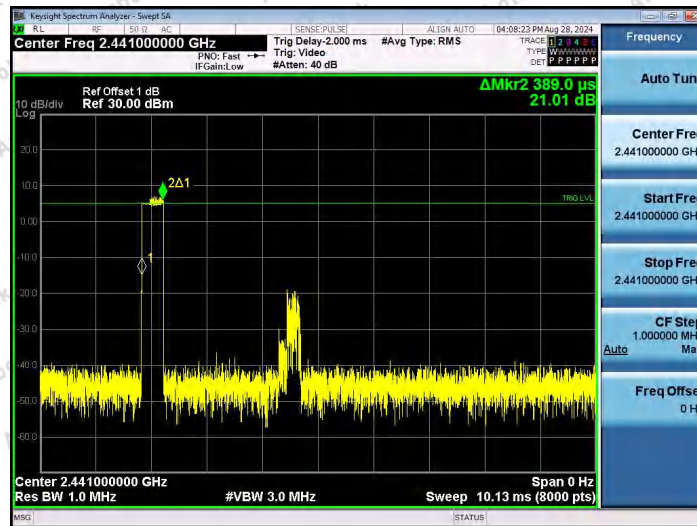
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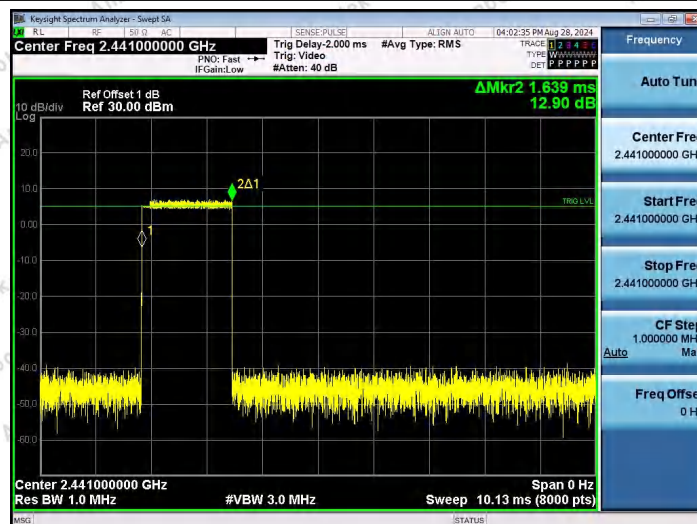
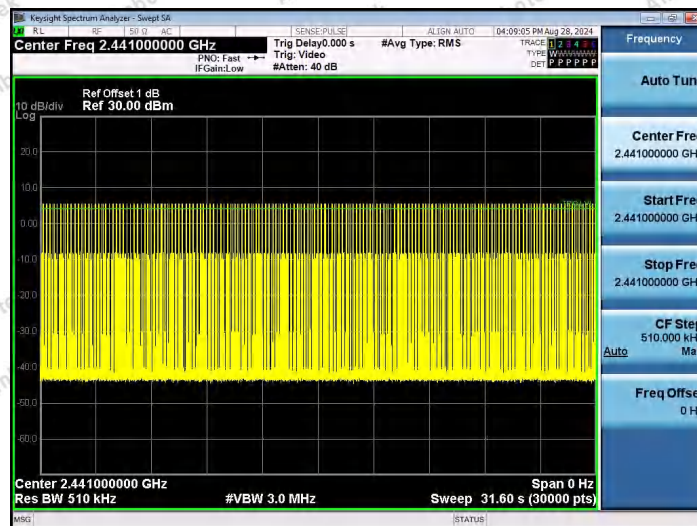


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3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS

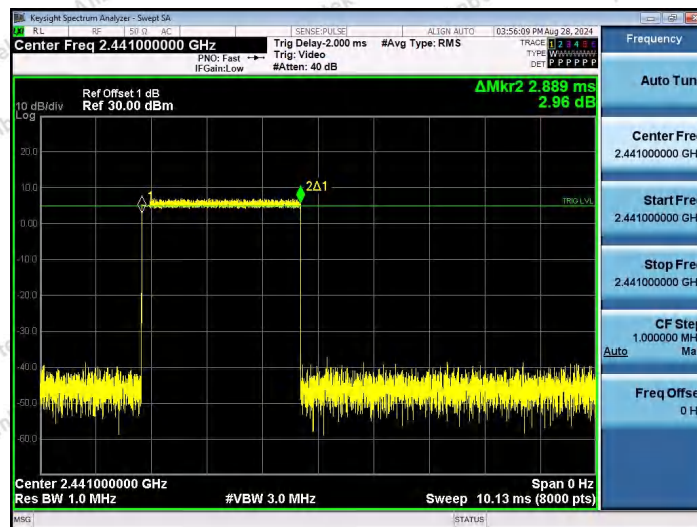
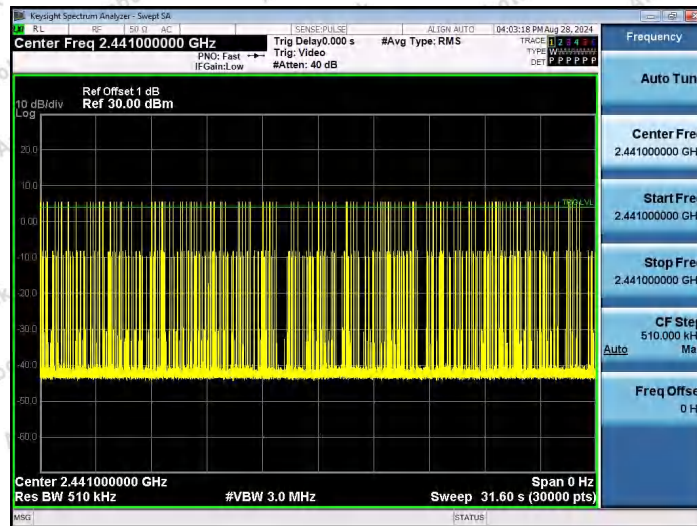
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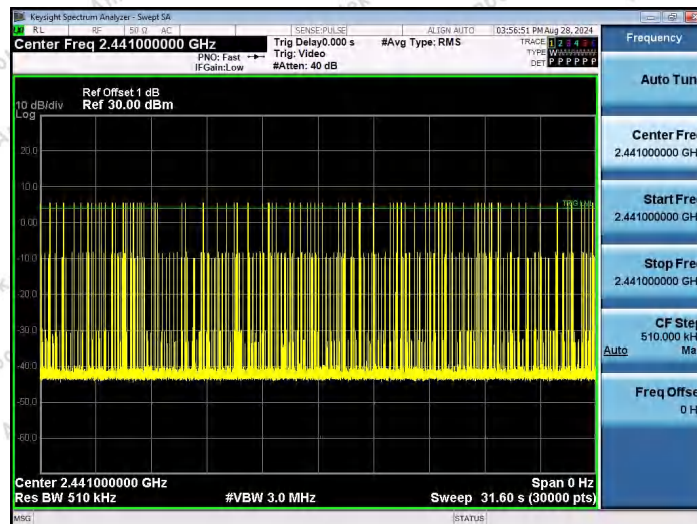


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3DH5-Ant1-Hop-PASS



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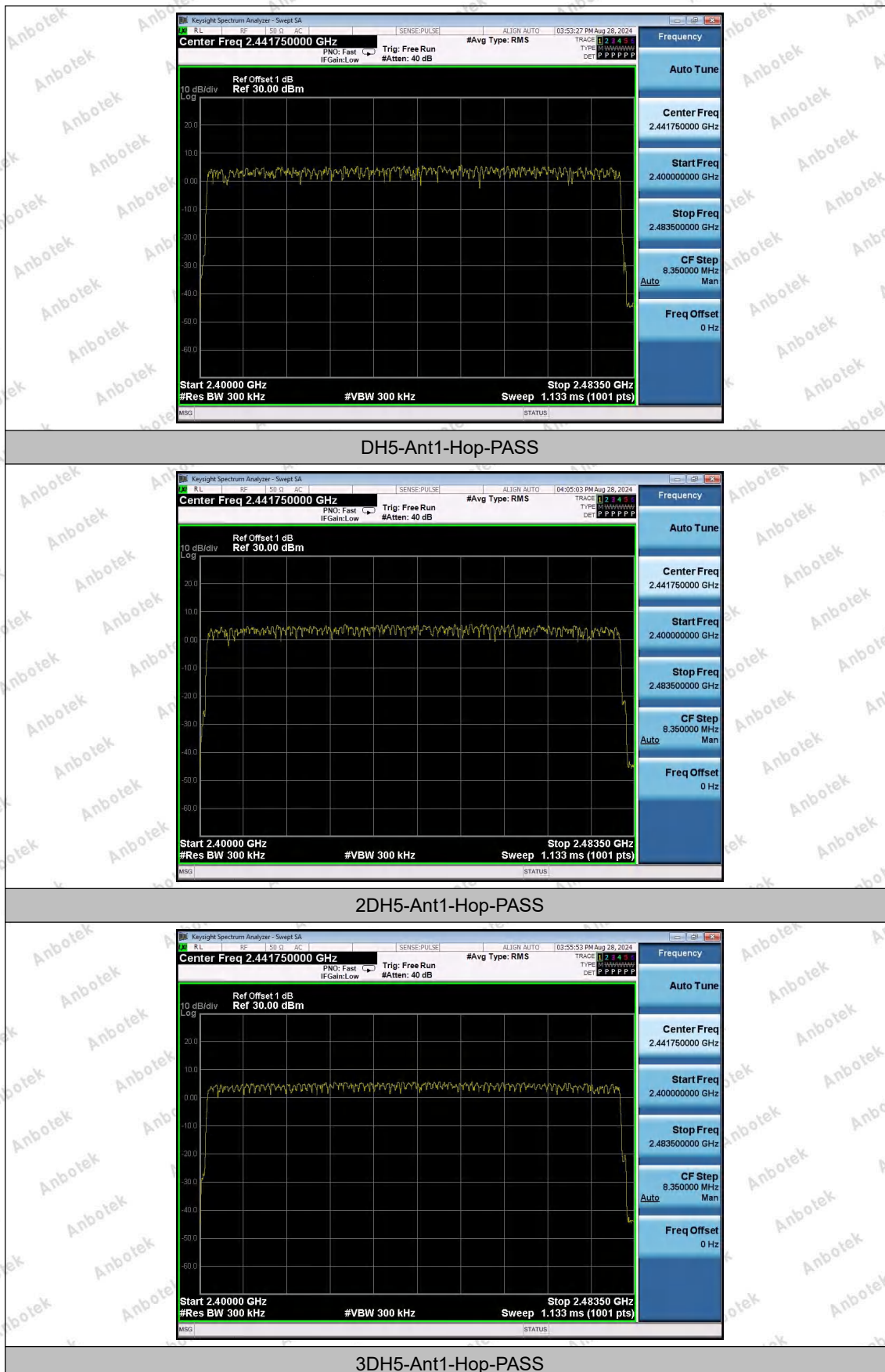
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



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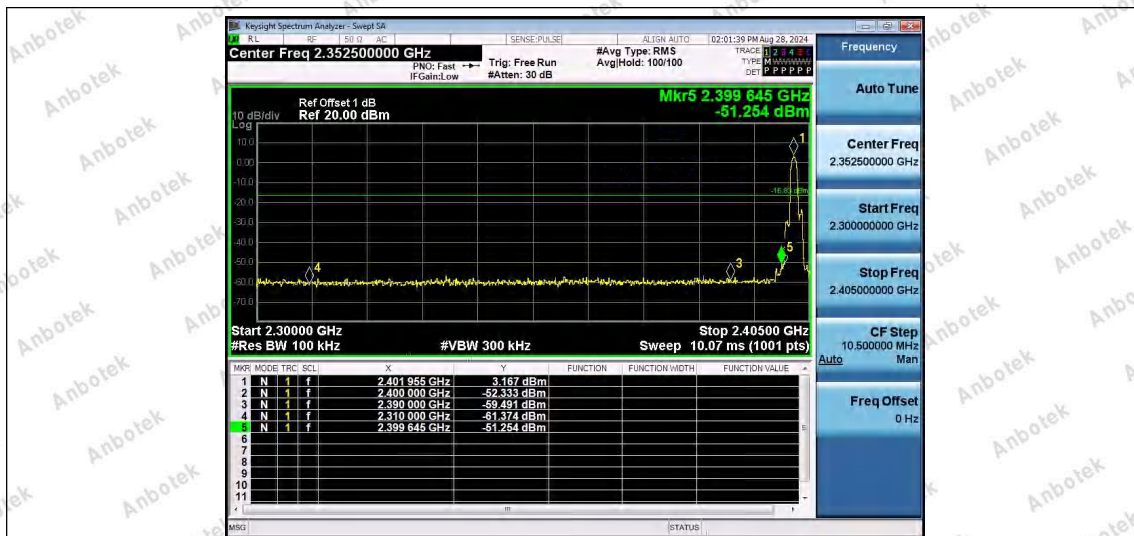
Appendix G: Conducted Band edge

Test Result

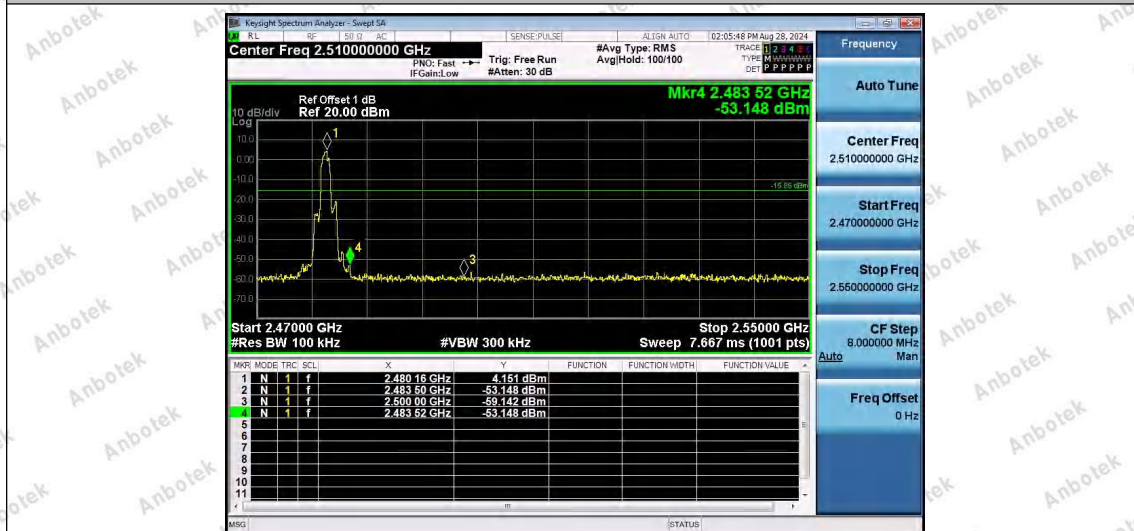
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.17	-51.25	≤-16.83	PASS
DH5	Ant1	High	2480	4.15	-53.15	≤-15.85	PASS
DH5	Ant1	Low	Hop_2402	1.41	-52.72	≤-18.59	PASS
DH5	Ant1	High	Hop_2480	3.89	-55.78	≤-16.11	PASS
2DH5	Ant1	Low	2402	3.26	-50.83	≤-16.74	PASS
2DH5	Ant1	High	2480	4.21	-53.42	≤-15.79	PASS
2DH5	Ant1	Low	Hop_2402	3.37	-53.57	≤-16.63	PASS
2DH5	Ant1	High	Hop_2480	3.95	-55.62	≤-16.06	PASS
3DH5	Ant1	Low	2402	3.43	-49.48	≤-16.57	PASS
3DH5	Ant1	High	2480	4.30	-52.15	≤-15.7	PASS
3DH5	Ant1	Low	Hop_2402	2.11	-52.99	≤-17.89	PASS
3DH5	Ant1	High	Hop_2480	4.24	-55.91	≤-15.76	PASS



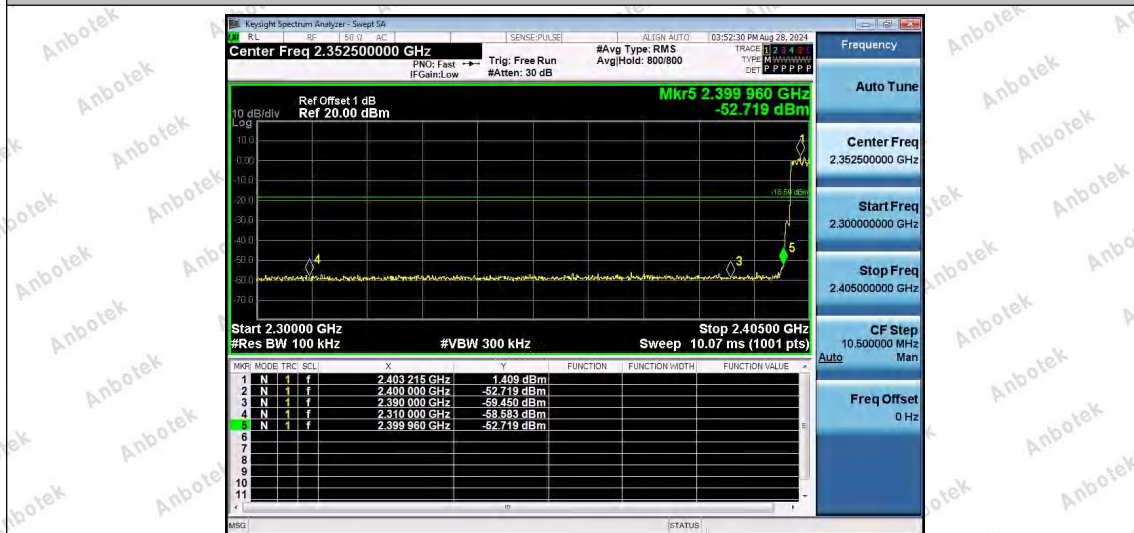
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

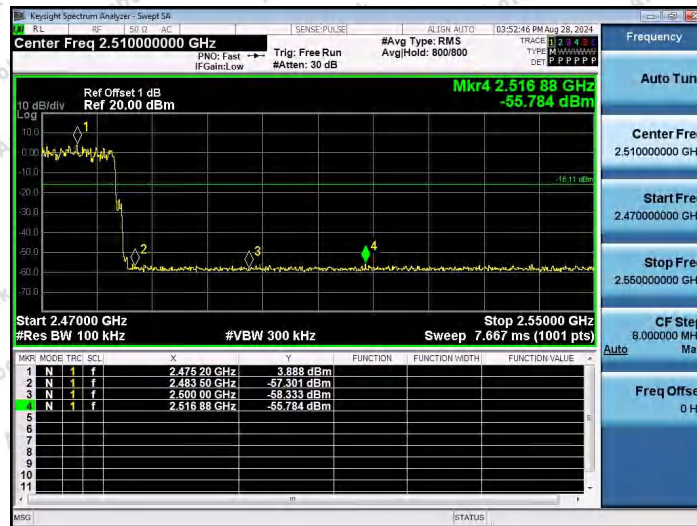
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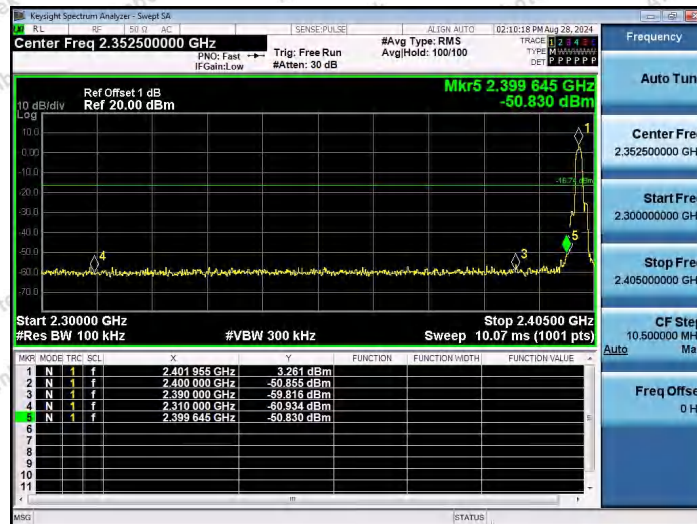


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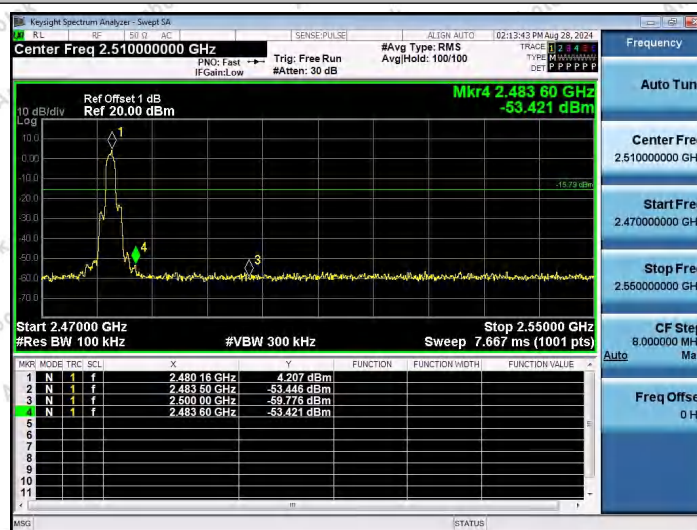




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

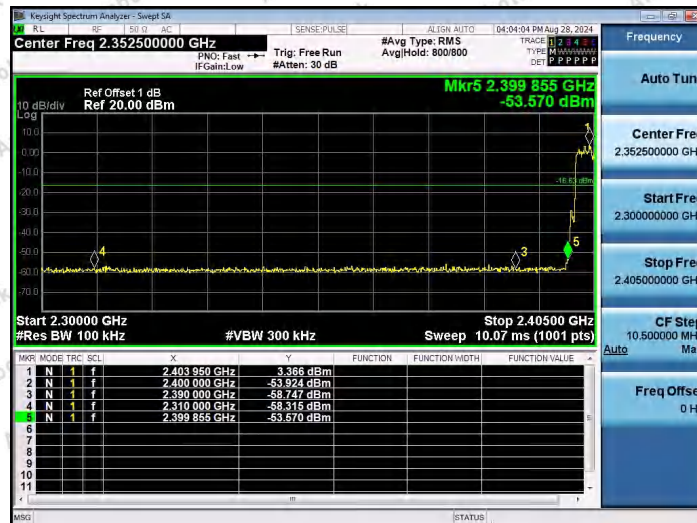
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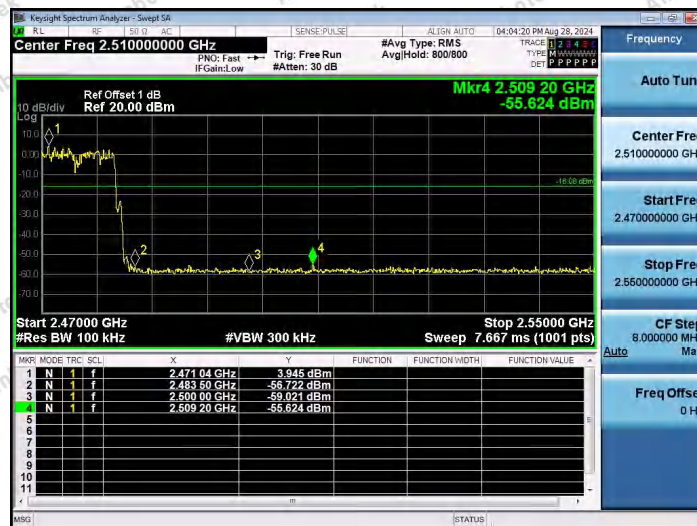


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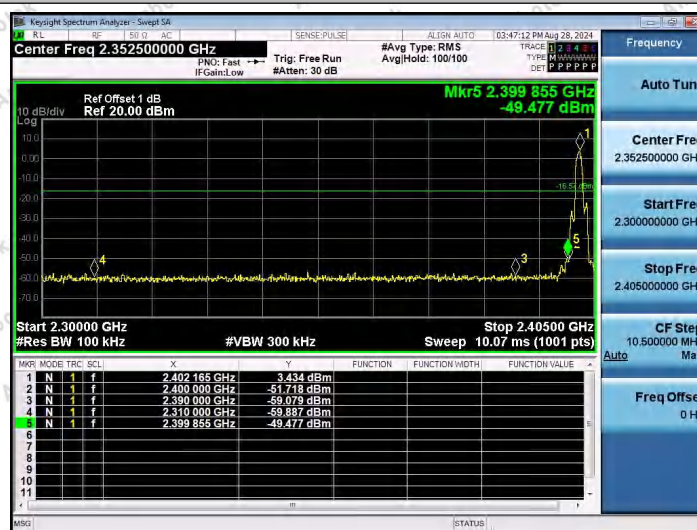




2DH5-Ant1-Hop_2402-PASS

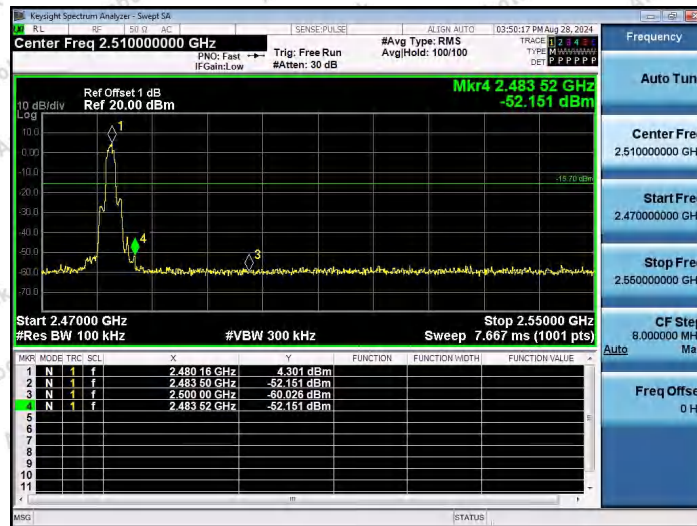


2DH5-Ant1-Hop_2480-PASS

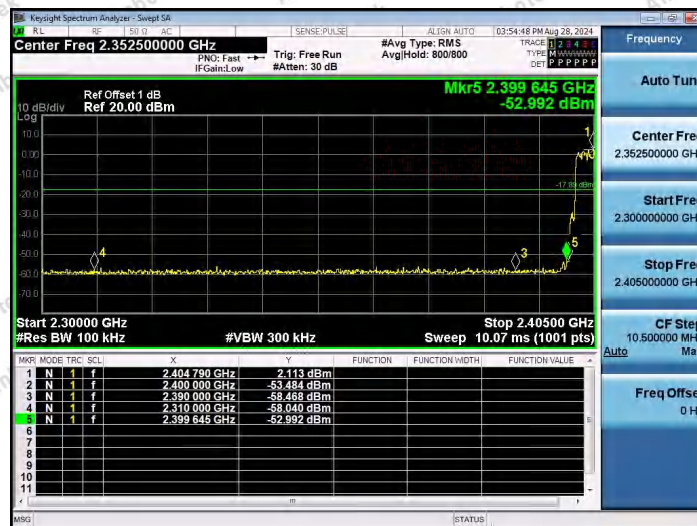


3DH5-Ant1-2402-PASS

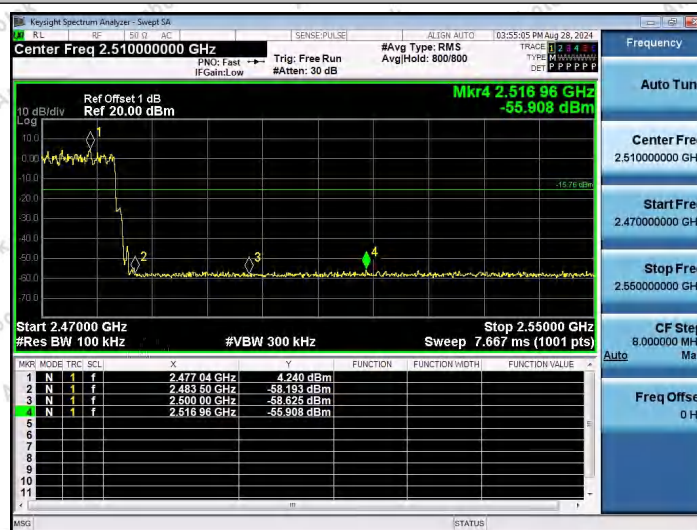




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

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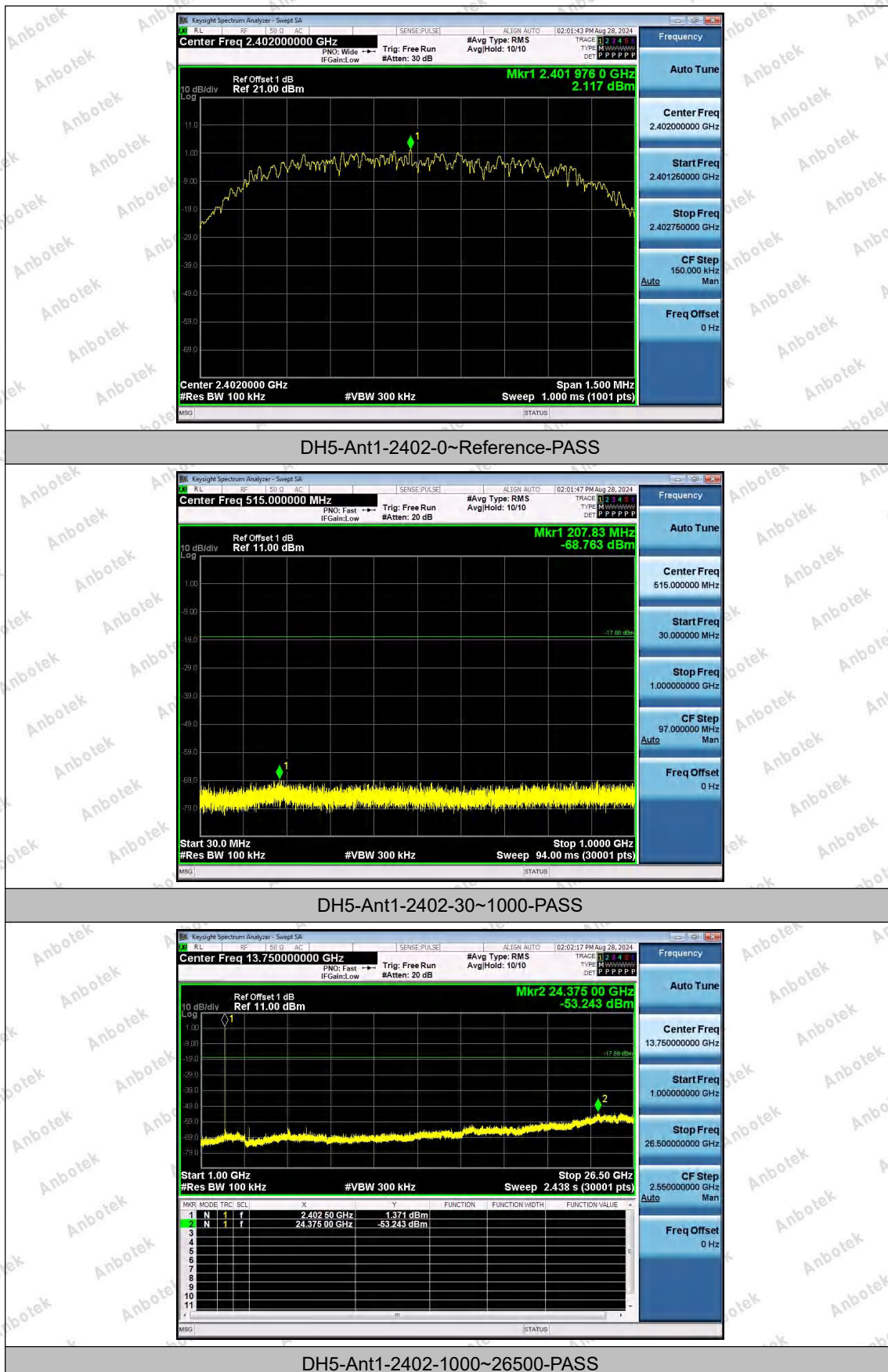
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.12	2.12	---	PASS
DH5	Ant1	2402	30~1000	2.12	-68.76	≤-17.88	PASS
DH5	Ant1	2402	1000~26500	2.12	-53.24	≤-17.88	PASS
DH5	Ant1	2441	0~Reference	5.00	5.00	---	PASS
DH5	Ant1	2441	30~1000	5.00	-68.29	≤-15	PASS
DH5	Ant1	2441	1000~26500	5.00	-53.3	≤-15	PASS
DH5	Ant1	2480	0~Reference	3.24	3.24	---	PASS
DH5	Ant1	2480	30~1000	3.24	-68.46	≤-16.76	PASS
DH5	Ant1	2480	1000~26500	3.24	-53.11	≤-16.76	PASS
2DH5	Ant1	2402	0~Reference	3.37	3.37	---	PASS
2DH5	Ant1	2402	30~1000	3.37	-68.45	≤-16.63	PASS
2DH5	Ant1	2402	1000~26500	3.37	-52.3	≤-16.63	PASS
2DH5	Ant1	2441	0~Reference	2.85	2.85	---	PASS
2DH5	Ant1	2441	30~1000	2.85	-68.2	≤-17.15	PASS
2DH5	Ant1	2441	1000~26500	2.85	-53.17	≤-17.15	PASS
2DH5	Ant1	2480	0~Reference	1.25	1.25	---	PASS
2DH5	Ant1	2480	30~1000	1.25	-68.99	≤-18.75	PASS
2DH5	Ant1	2480	1000~26500	1.25	-52.39	≤-18.75	PASS
3DH5	Ant1	2402	0~Reference	3.55	3.55	---	PASS
3DH5	Ant1	2402	30~1000	3.55	-68.25	≤-16.45	PASS
3DH5	Ant1	2402	1000~26500	3.55	-53.82	≤-16.45	PASS
3DH5	Ant1	2441	0~Reference	3.22	3.22	---	PASS
3DH5	Ant1	2441	30~1000	3.22	-68.59	≤-16.78	PASS
3DH5	Ant1	2441	1000~26500	3.22	-53.8	≤-16.78	PASS
3DH5	Ant1	2480	0~Reference	3.30	3.30	---	PASS
3DH5	Ant1	2480	30~1000	3.30	-68.08	≤-16.7	PASS
3DH5	Ant1	2480	1000~26500	3.30	-54.11	≤-16.7	PASS



Test Graphs



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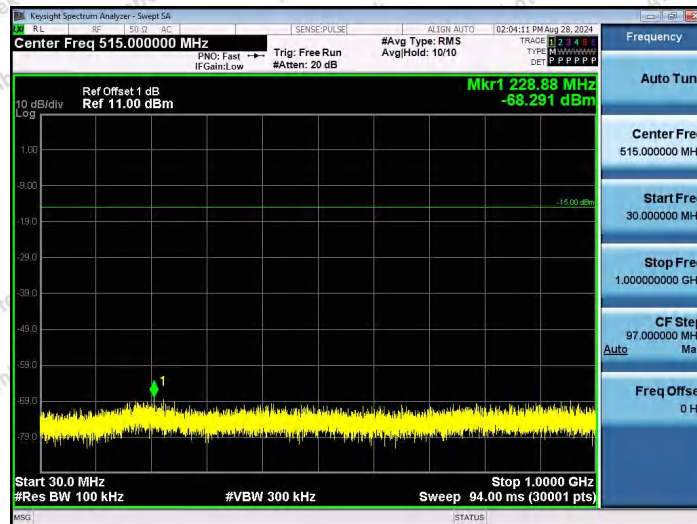


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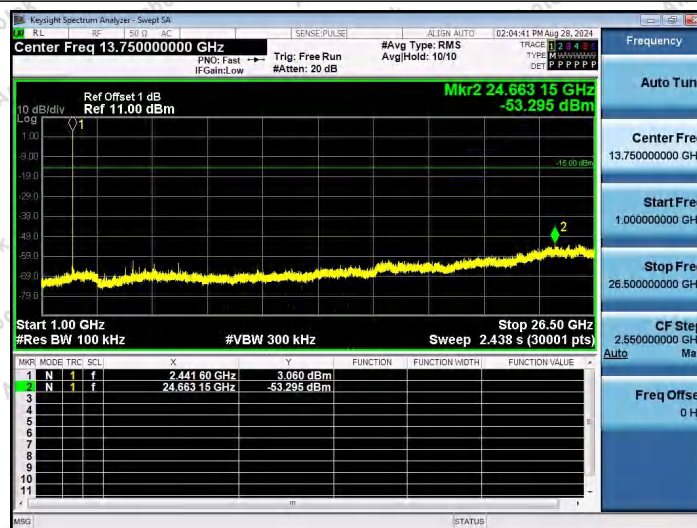




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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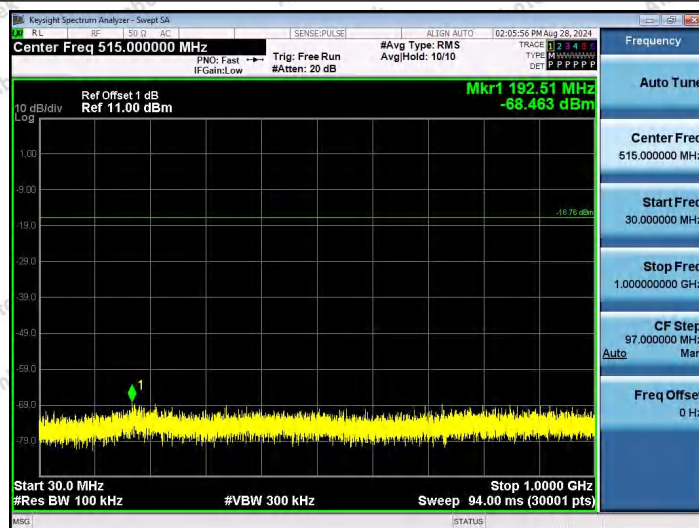


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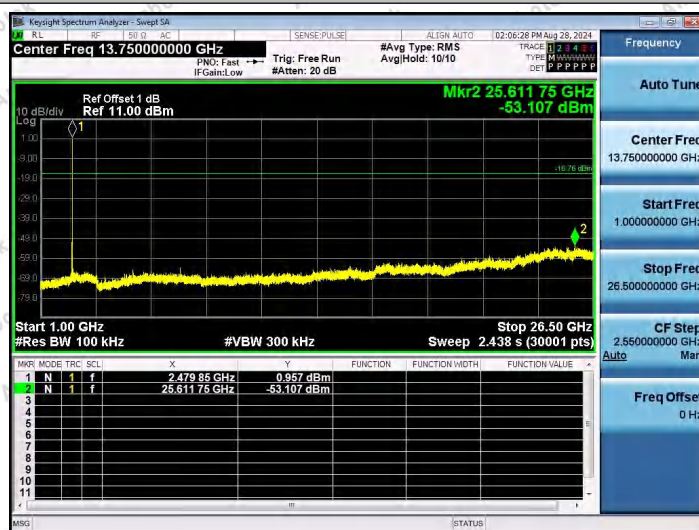




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

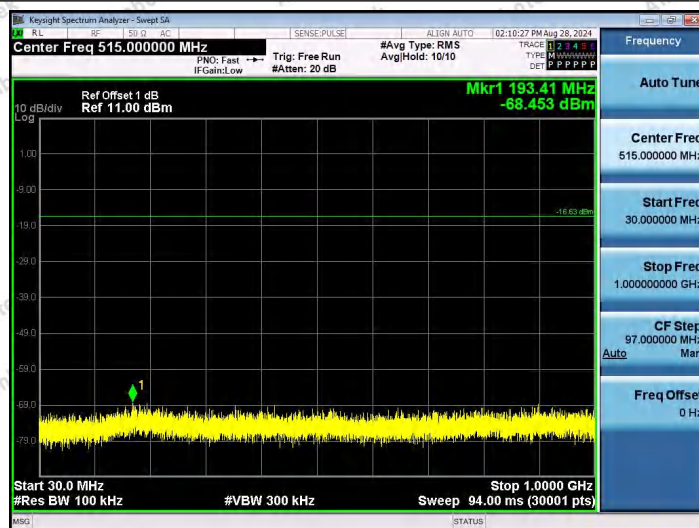


DH5-Ant1-2480-1000~26500-PASS

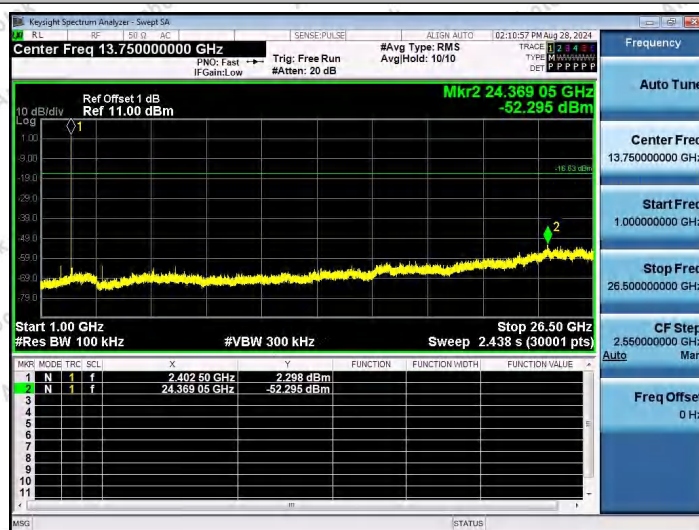




2DH5-Ant1-2402-0~Reference-PASS

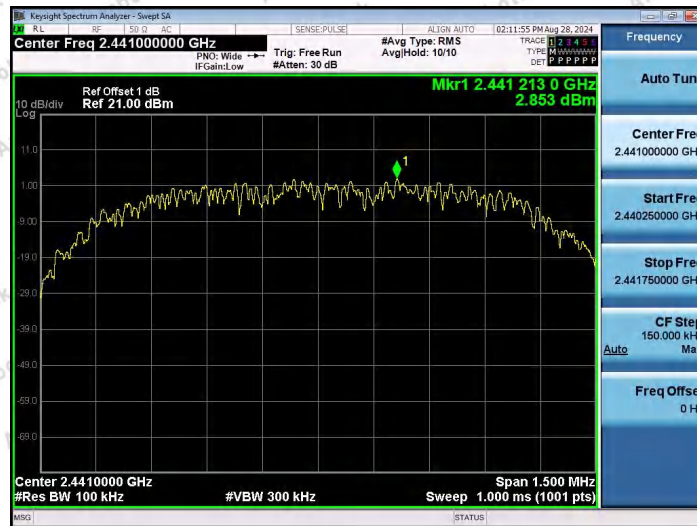


2DH5-Ant1-2402-30~1000-PASS

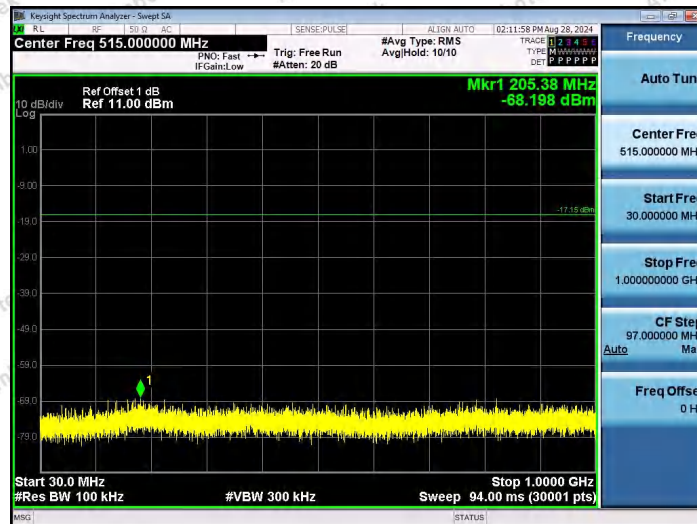


2DH5-Ant1-2402-1000~26500-PASS

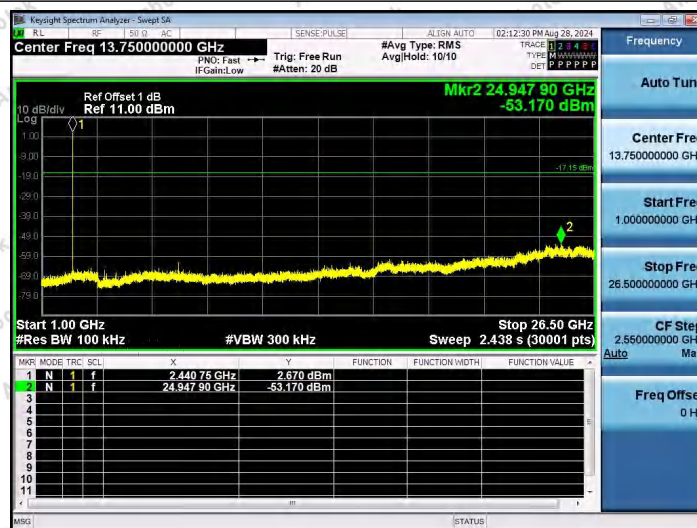




2DH5-Ant1-2441-0~Reference-PASS



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

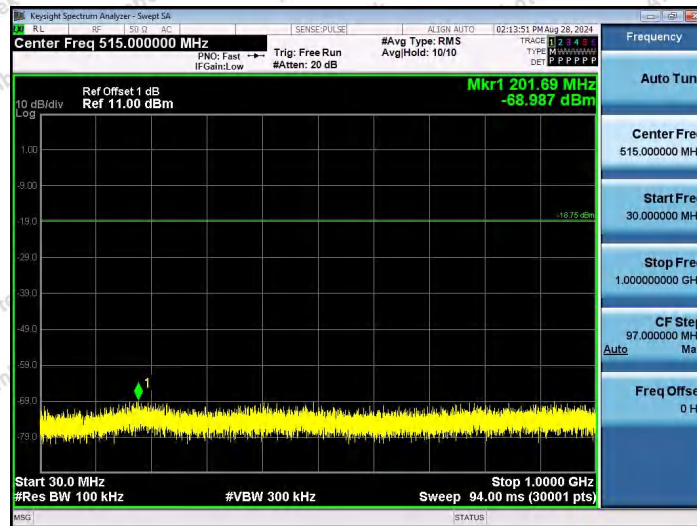


2DH5-Ant1-2441-1000~26500-PASS

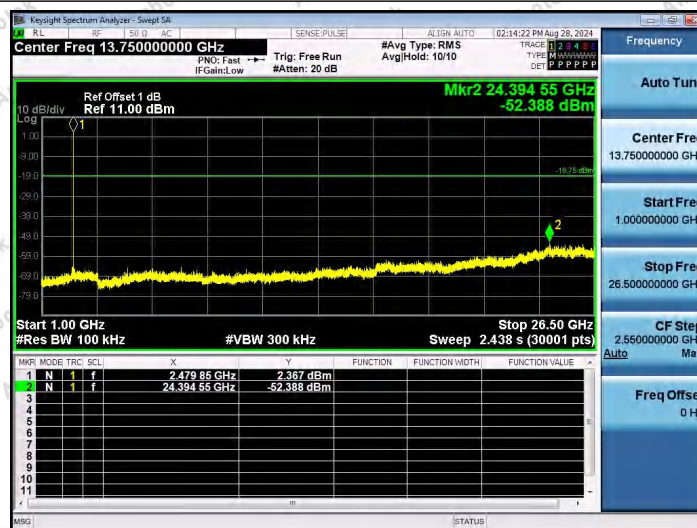




2DH5-Ant1-2480-0~Reference-PASS



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

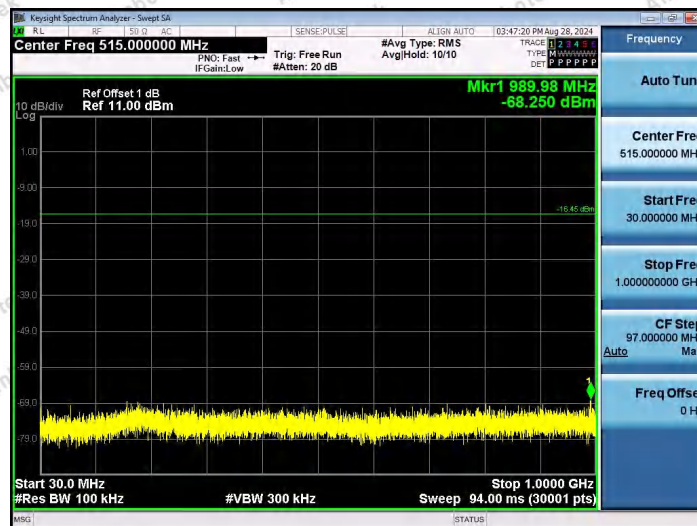


2DH5-Ant1-2480-1000~26500-PASS

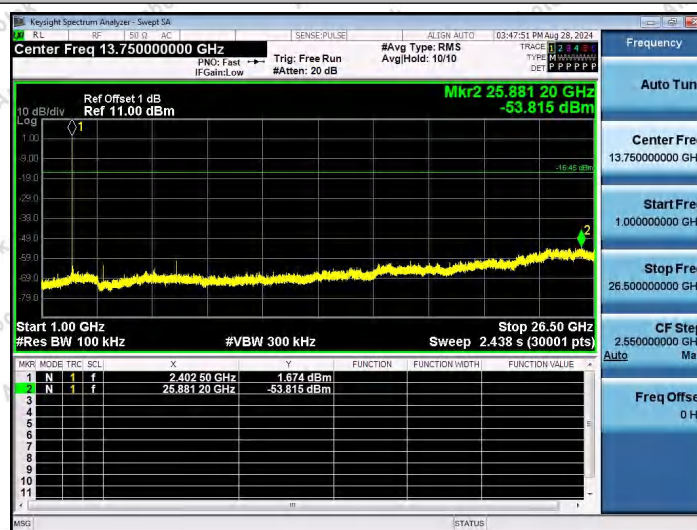




3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-PASS



3DH5-Ant1-2402-1000~26500-PASS

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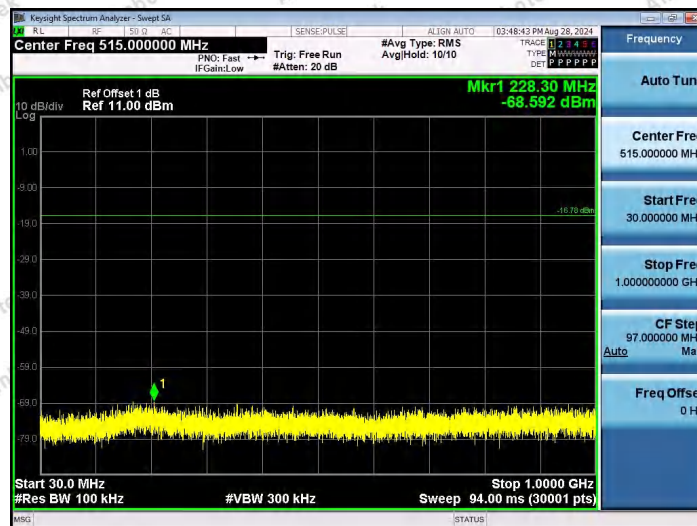


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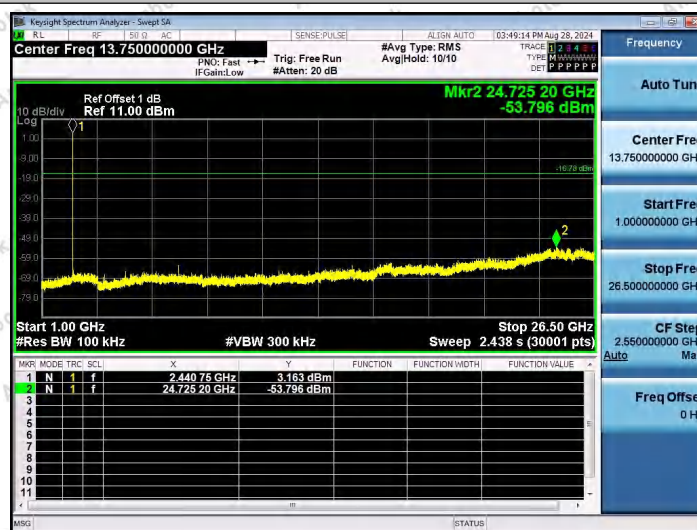




3DH5-Ant1-2441-0~Reference-PASS



3DH5-Ant1-2441-30~1000-PASS

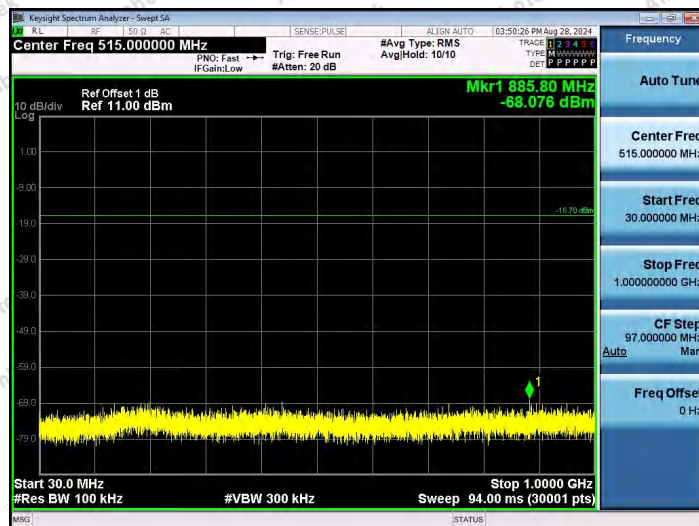


3DH5-Ant1-2441-1000~26500-PASS

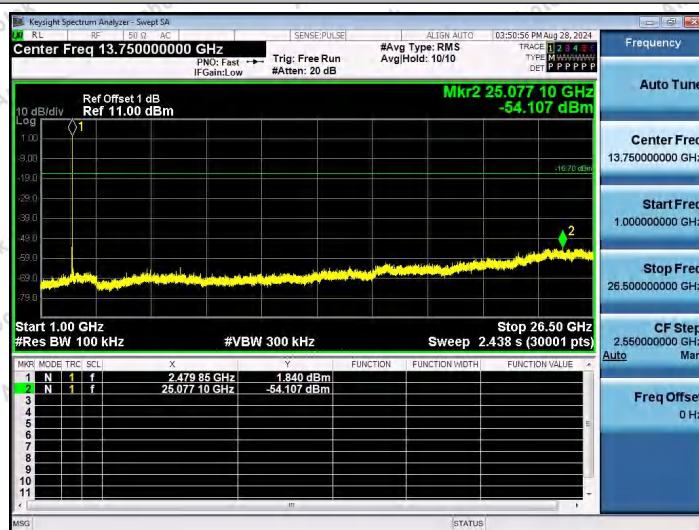




3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS

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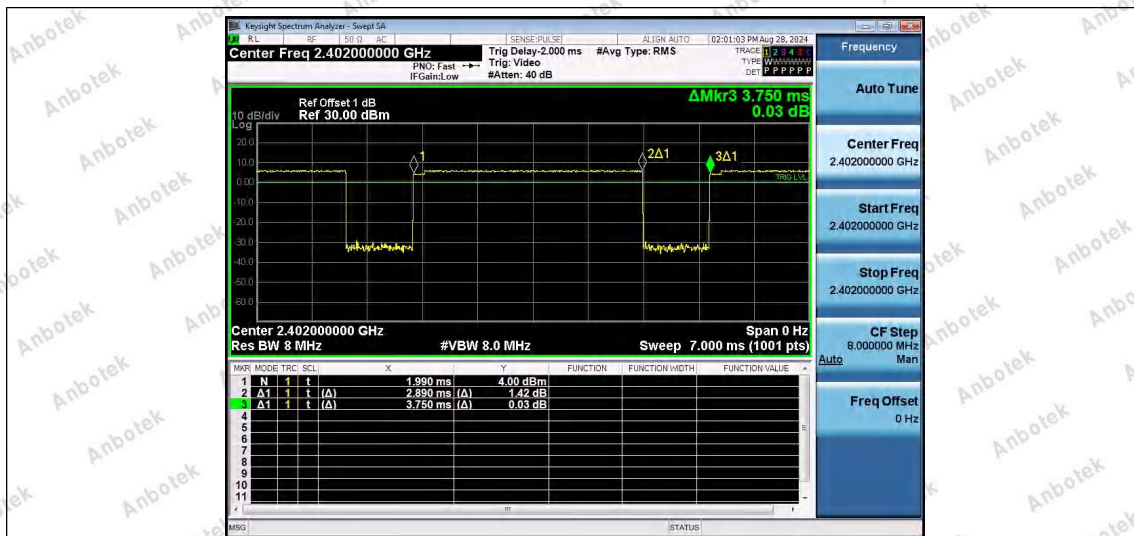
Appendix I: Duty Cycle

Test Result

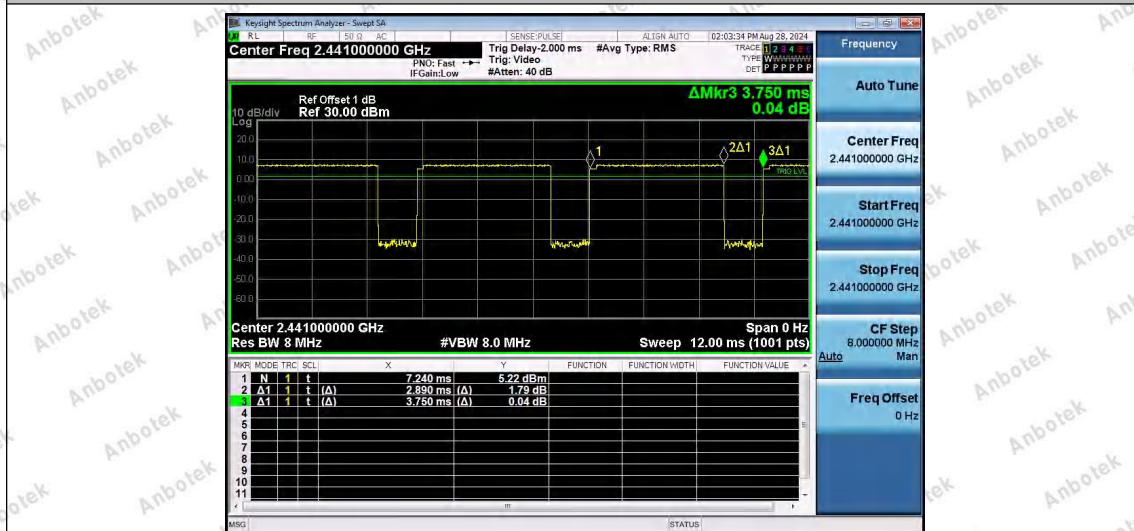
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.89	3.74	77.27	1.12



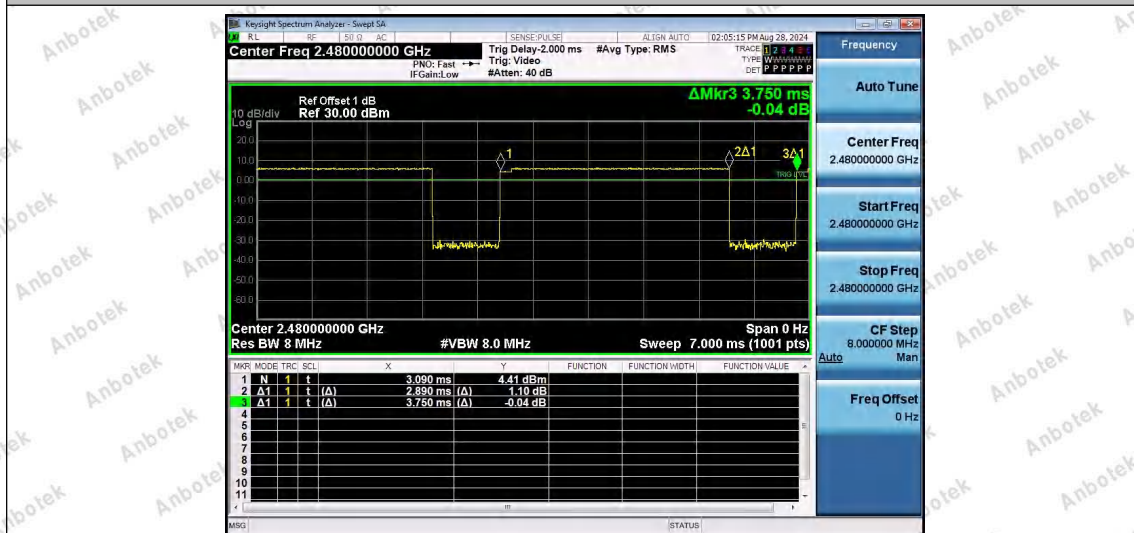
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

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NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441



NTVN-2DH5-Ant1-2480

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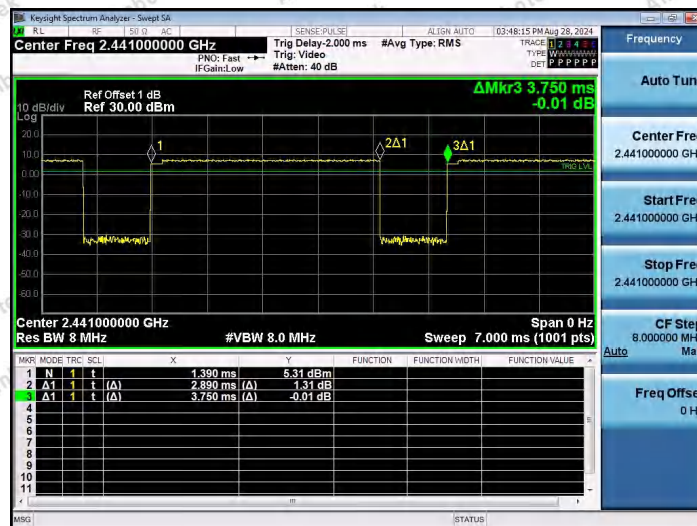


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NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

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