

Appendix Test Data

Report No.:	1821C40001112501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.09	Finish Test Date:	2024.09.09
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.2℃	Relative Humidity:	48%
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	0.804	2401.571	2402.375	---	---
DH5	Ant1	2441	0.852	2440.532	2441.384	---	---
DH5	Ant1	2480	0.861	2479.529	2480.390	---	---
2DH5	Ant1	2402	1.350	2401.301	2402.651	---	---
2DH5	Ant1	2441	1.350	2440.298	2441.648	---	---
2DH5	Ant1	2480	1.335	2479.301	2480.636	---	---
3DH5	Ant1	2402	1.314	2401.322	2402.636	---	---
3DH5	Ant1	2441	1.320	2440.298	2441.618	---	---
3DH5	Ant1	2480	1.317	2479.316	2480.633	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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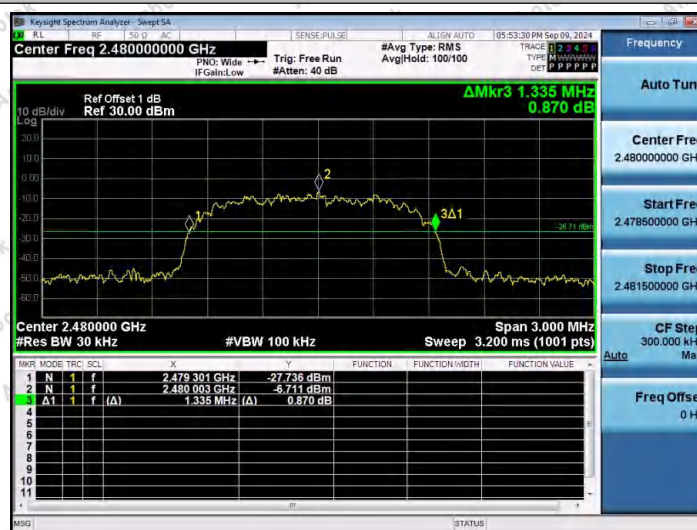




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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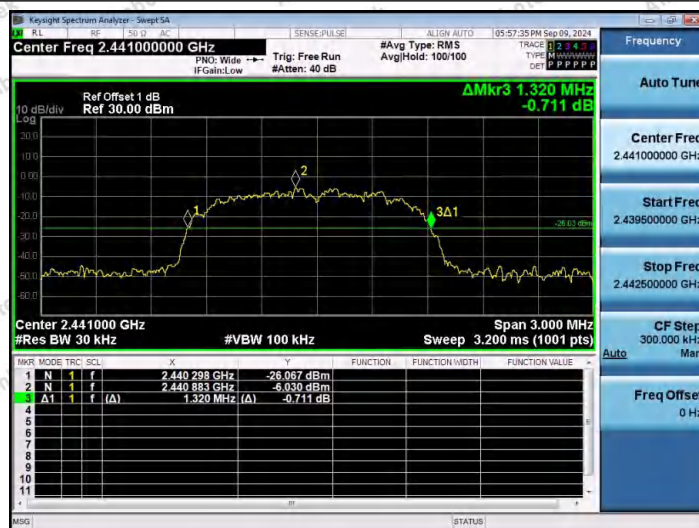


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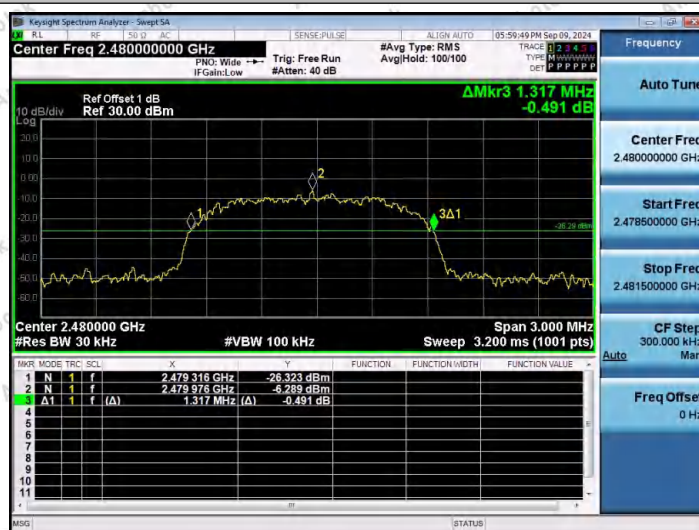




3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

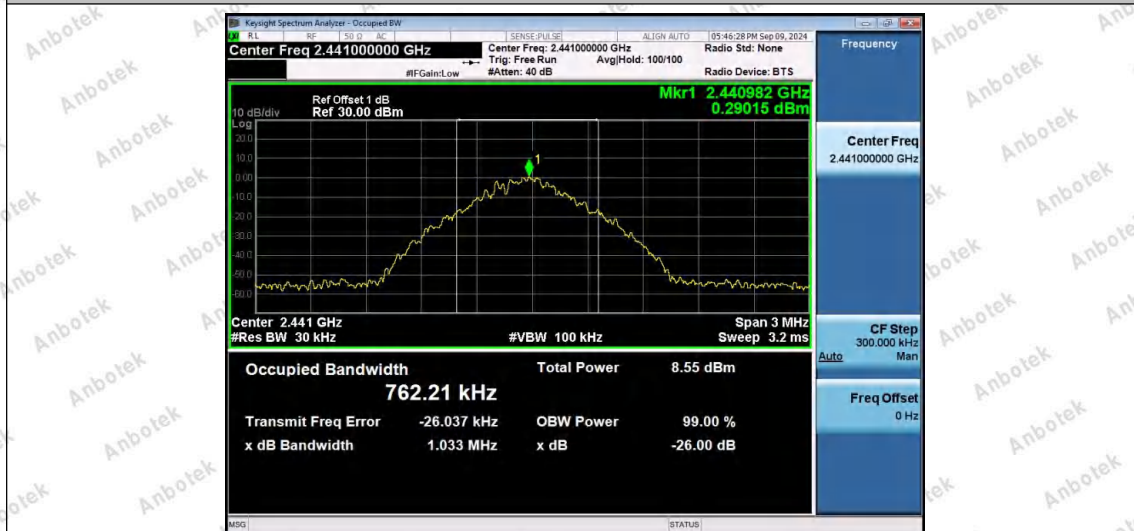
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.76918	2401.5908	2402.3600	---	---
DH5	Ant1	2441	0.76221	2440.5929	2441.3551	---	---
DH5	Ant1	2480	0.75203	2479.5949	2480.3470	---	---
2DH5	Ant1	2402	1.1904	2401.3755	2402.5659	---	---
2DH5	Ant1	2441	1.1991	2440.3733	2441.5724	---	---
2DH5	Ant1	2480	1.1863	2479.3755	2480.5618	---	---
3DH5	Ant1	2402	1.2033	2401.3711	2402.5744	---	---
3DH5	Ant1	2441	1.1926	2440.3729	2441.5655	---	---
3DH5	Ant1	2480	1.2034	2479.3646	2480.5680	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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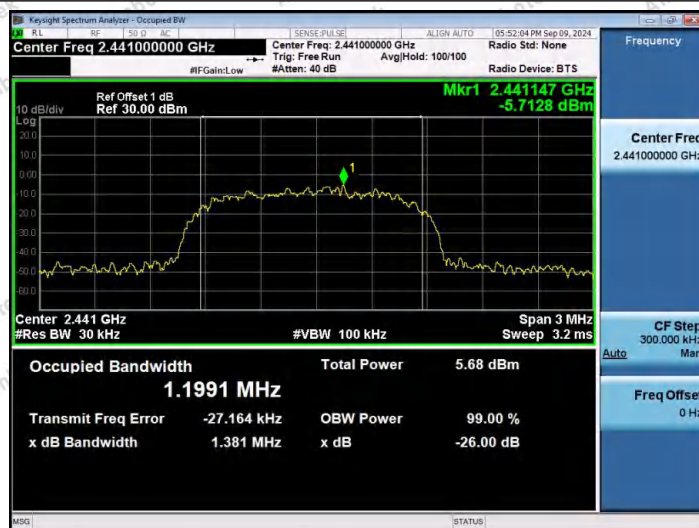


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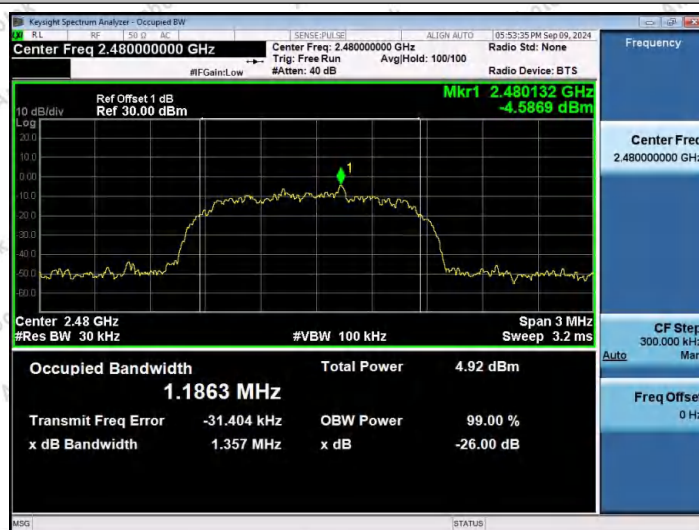




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

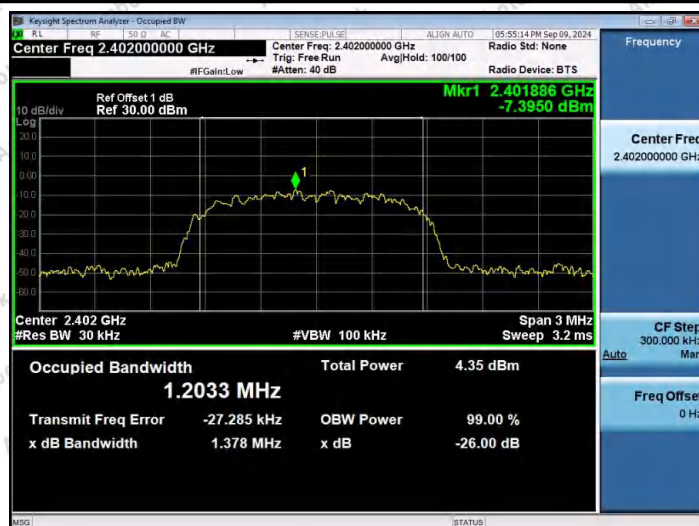
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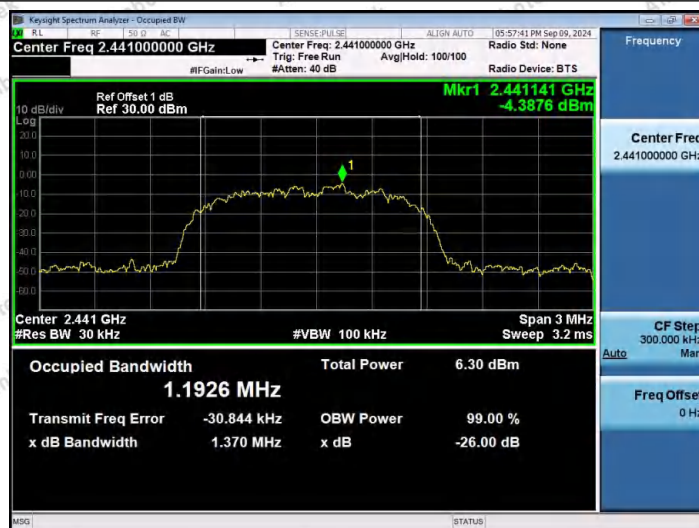


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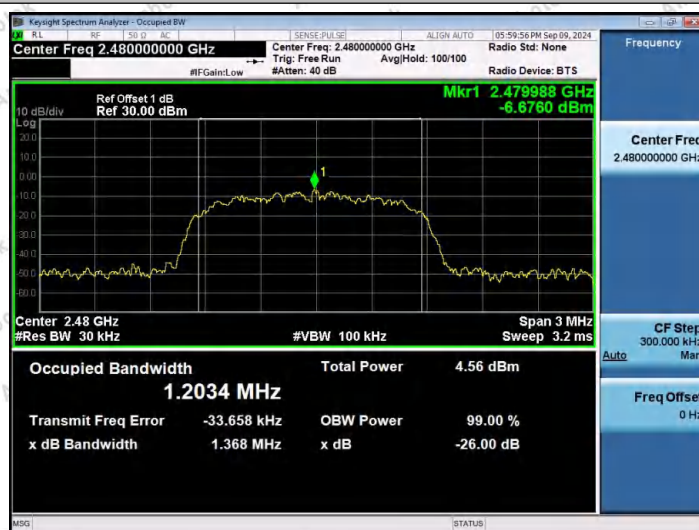




3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

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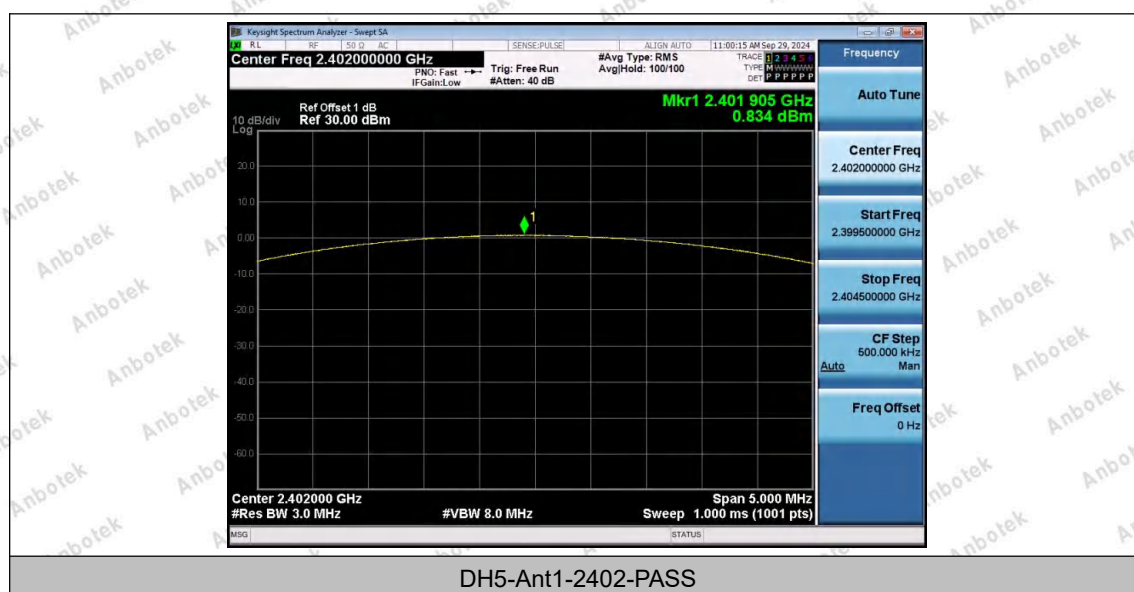


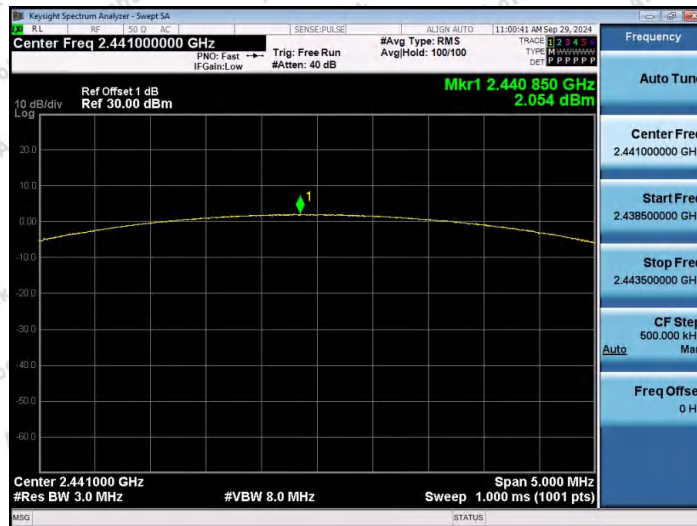
Appendix C: Maximum Conducted Output Power

Test Result Peak

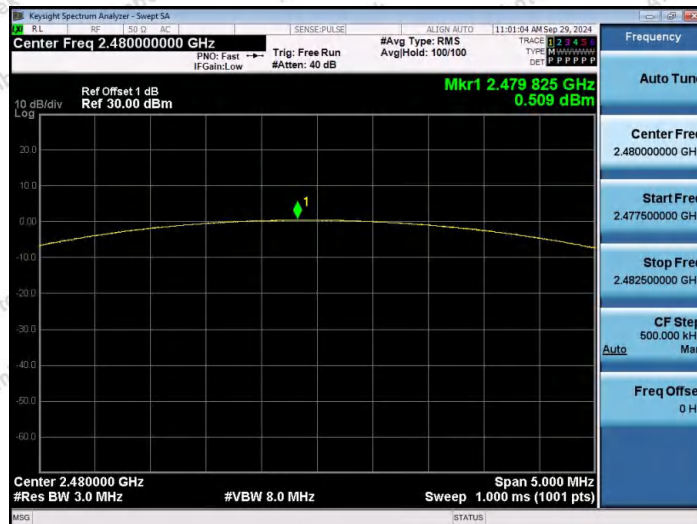
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.83	≤20.97	PASS
DH5	Ant1	2441	2.05	≤20.97	PASS
DH5	Ant1	2480	0.51	≤20.97	PASS
2DH5	Ant1	2402	0.80	≤20.97	PASS
2DH5	Ant1	2441	1.89	≤20.97	PASS
2DH5	Ant1	2480	0.40	≤20.97	PASS
3DH5	Ant1	2402	1.31	≤20.97	PASS
3DH5	Ant1	2441	2.38	≤20.97	PASS
3DH5	Ant1	2480	0.83	≤20.97	PASS

Test Graphs

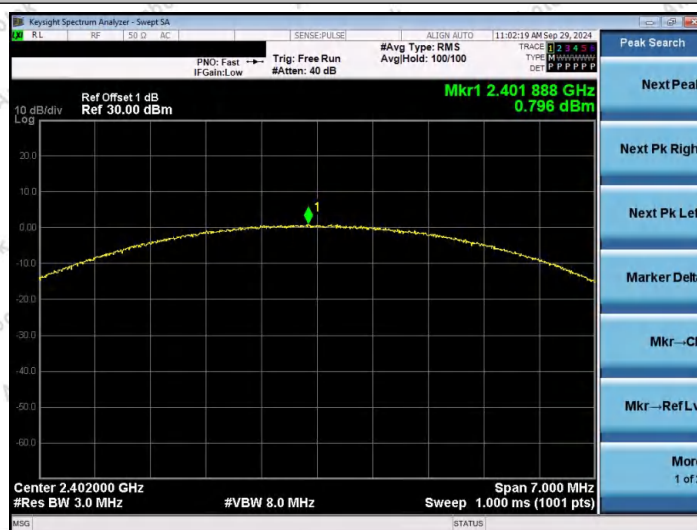




DH5-Ant1-2441-PASS

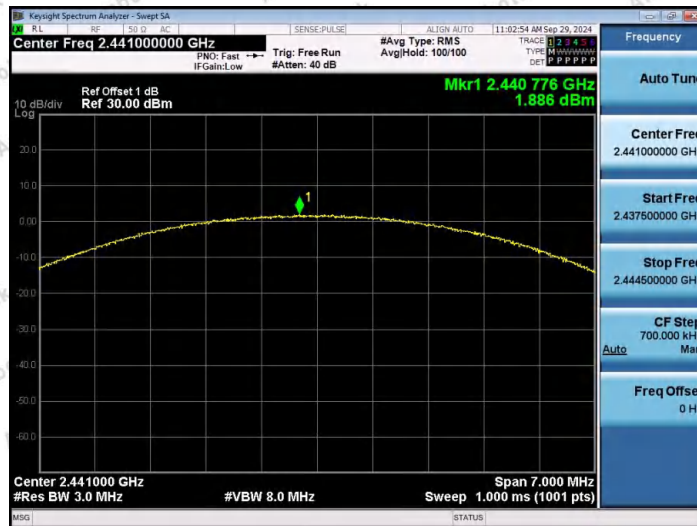


DH5-Ant1-2480-PASS

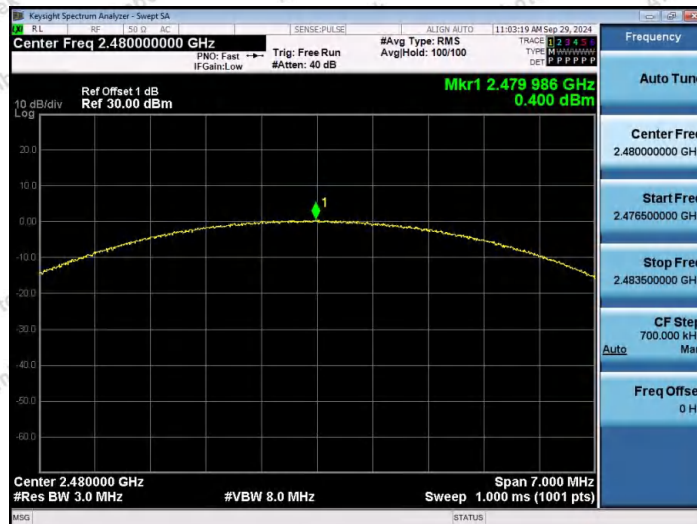


2DH5-Ant1-2402-PASS





2DH5-Ant1-2441-PASS

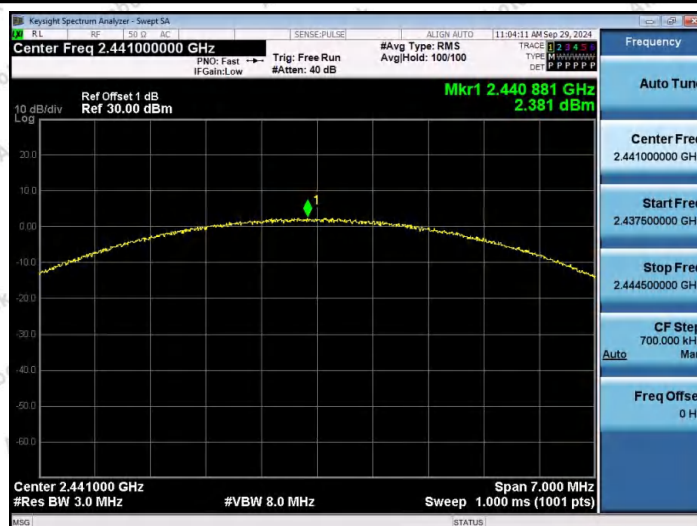


2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS





3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS



Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.574	PASS
2DH5	Ant1	Hop	1.262	≥0.900	PASS
3DH5	Ant1	Hop	1.144	≥0.880	PASS



Test Graphs



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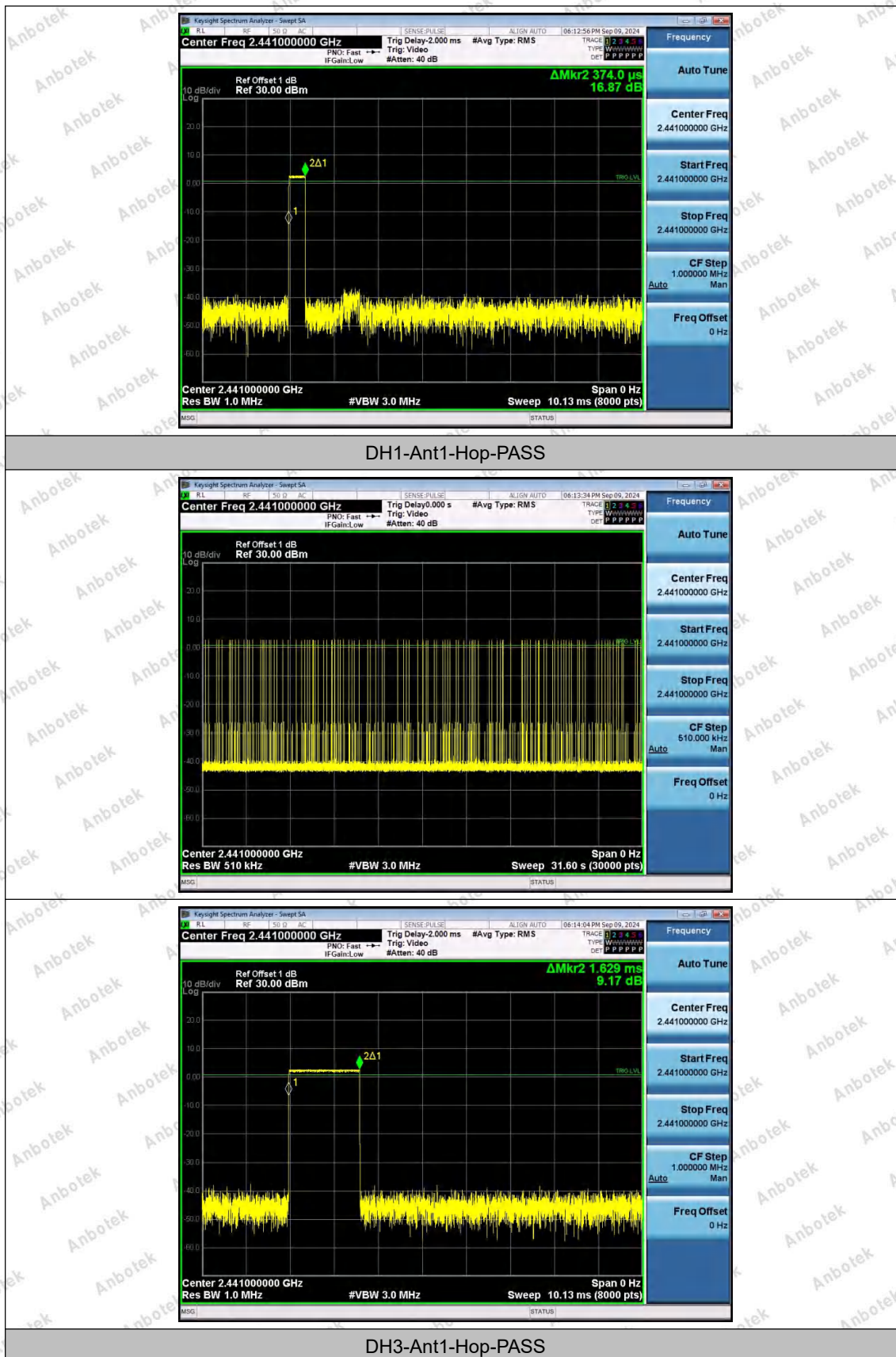
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	114	0.043	≤0.4	PASS
DH3	Ant1	Hop	1.629	67	0.109	≤0.4	PASS
DH5	Ant1	Hop	2.878	52	0.15	≤0.4	PASS
2DH1	Ant1	Hop	0.381	115	0.044	≤0.4	PASS
2DH3	Ant1	Hop	1.634	51	0.083	≤0.4	PASS
2DH5	Ant1	Hop	2.882	46	0.133	≤0.4	PASS
3DH1	Ant1	Hop	0.381	126	0.048	≤0.4	PASS
3DH3	Ant1	Hop	1.633	56	0.091	≤0.4	PASS
3DH5	Ant1	Hop	2.884	47	0.136	≤0.4	PASS



Test Graphs



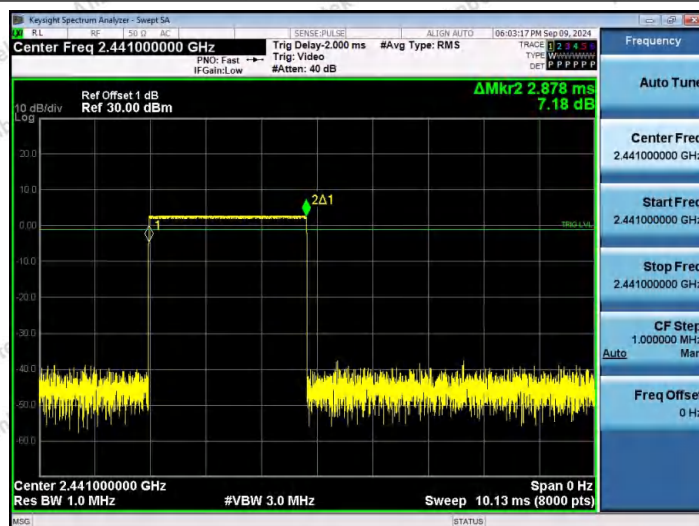
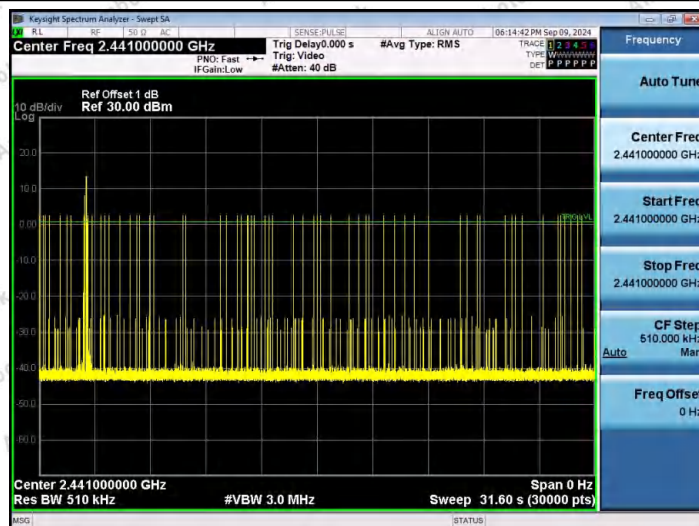
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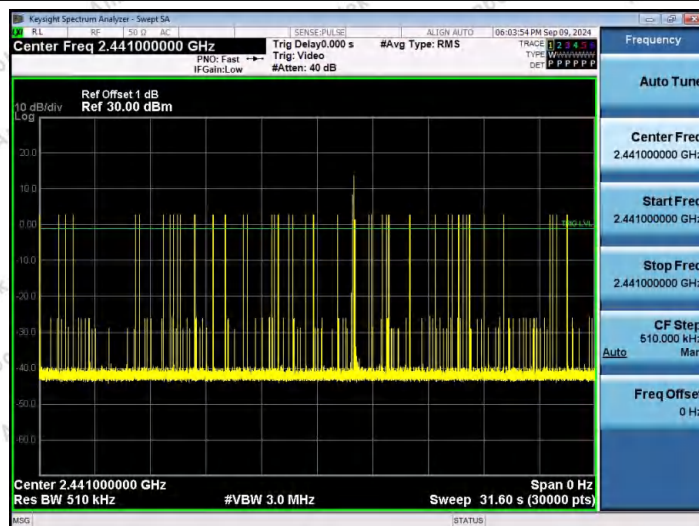


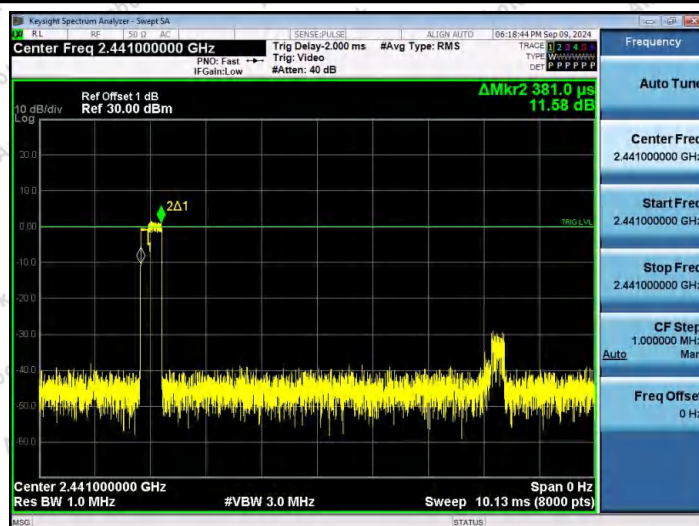
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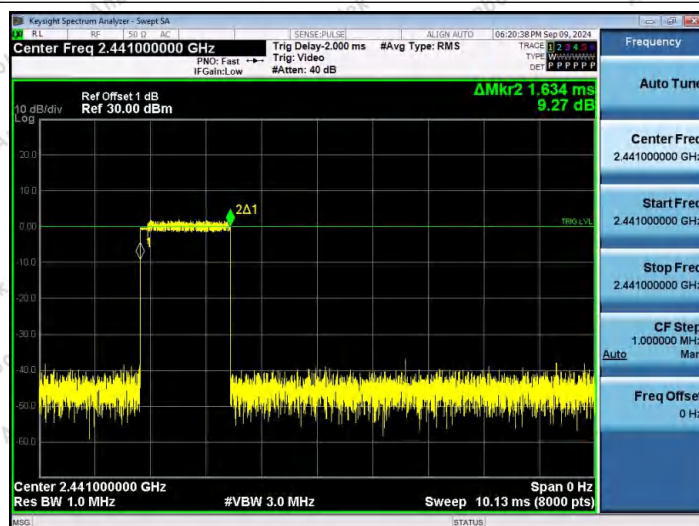
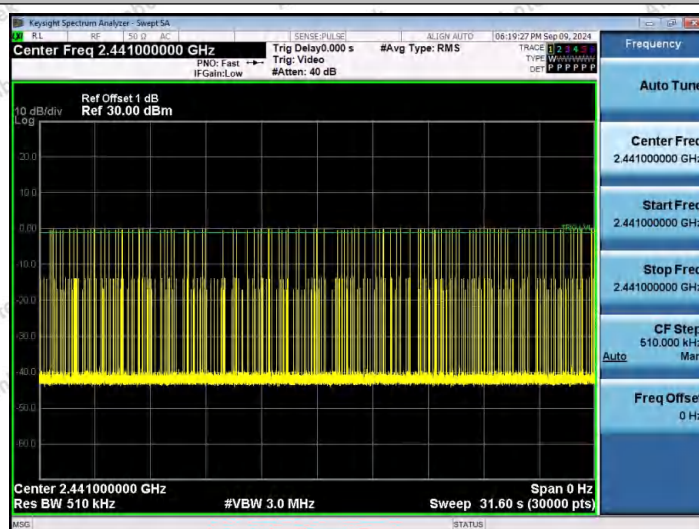


DH5-Ant1-Hop-PASS



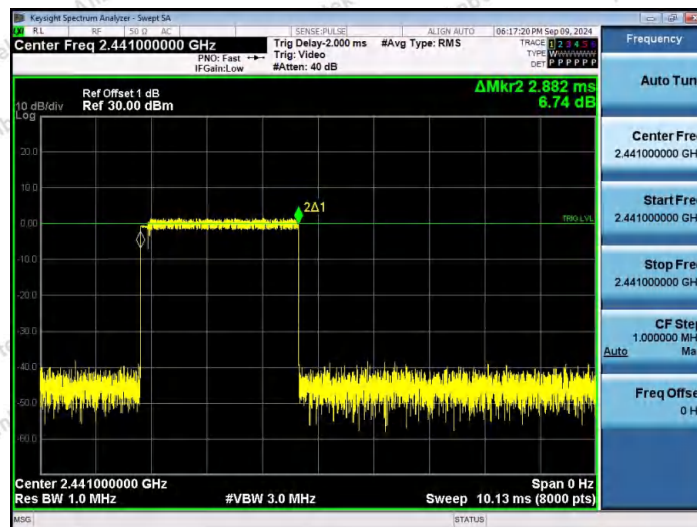
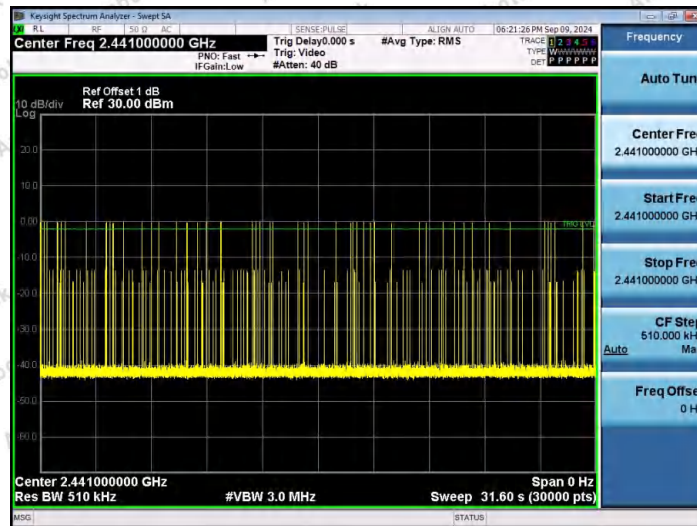


2DH1-Ant1-Hop-PASS

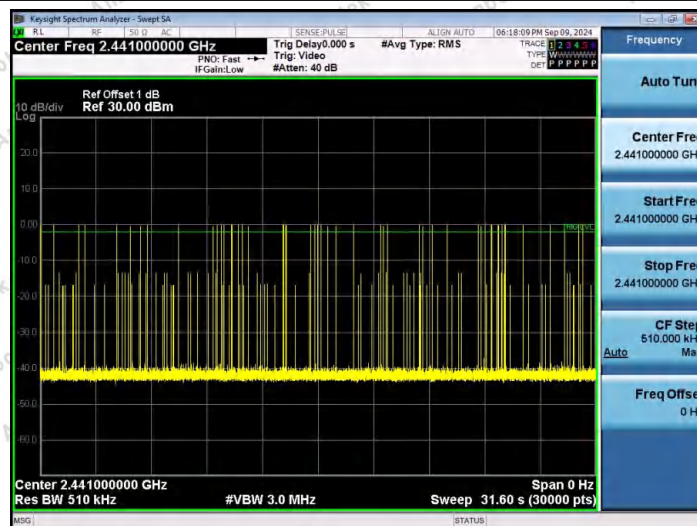


2DH3-Ant1-Hop-PASS





2DH5-Ant1-Hop-PASS



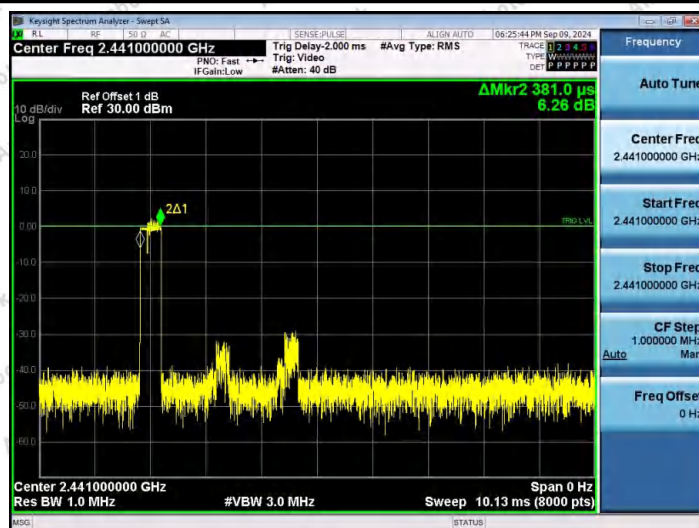
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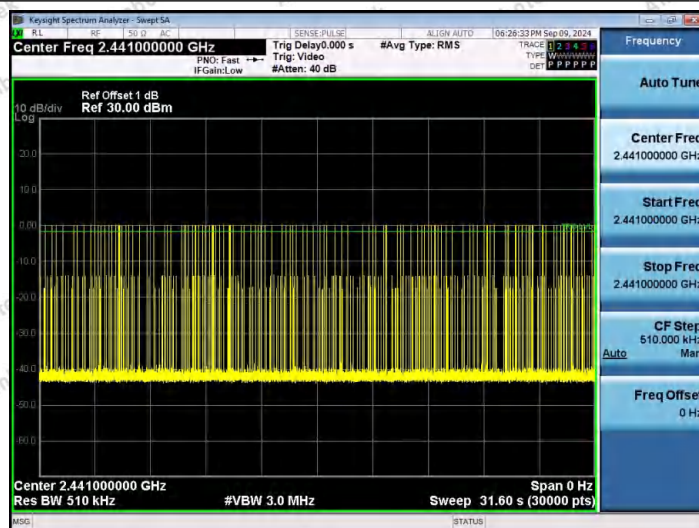


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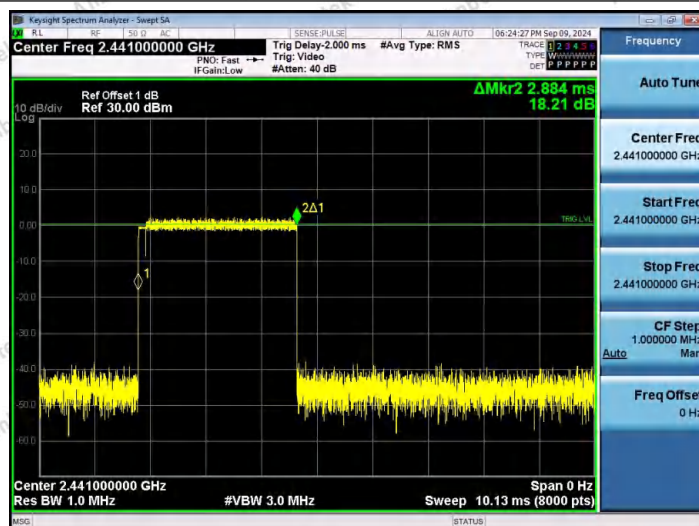
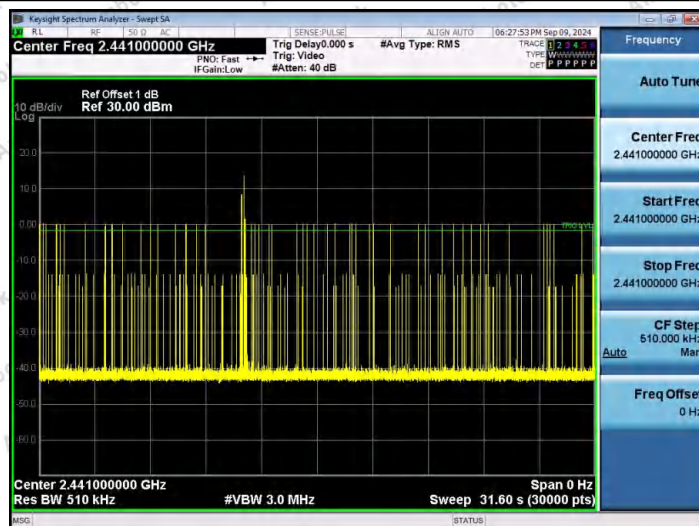


3DH1-Ant1-Hop-PASS

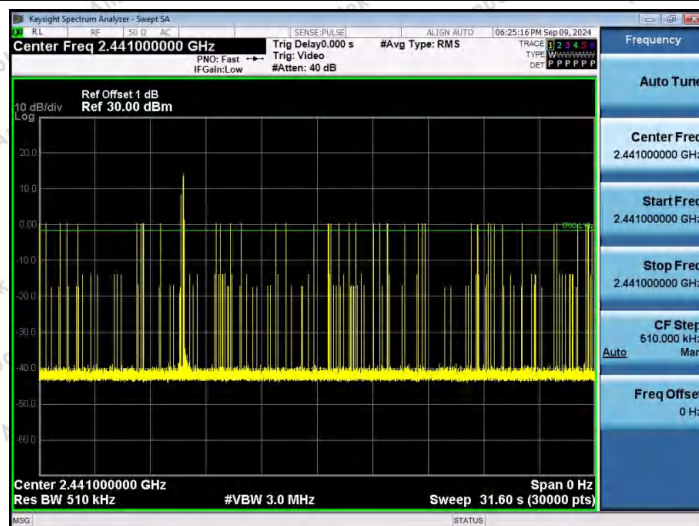


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



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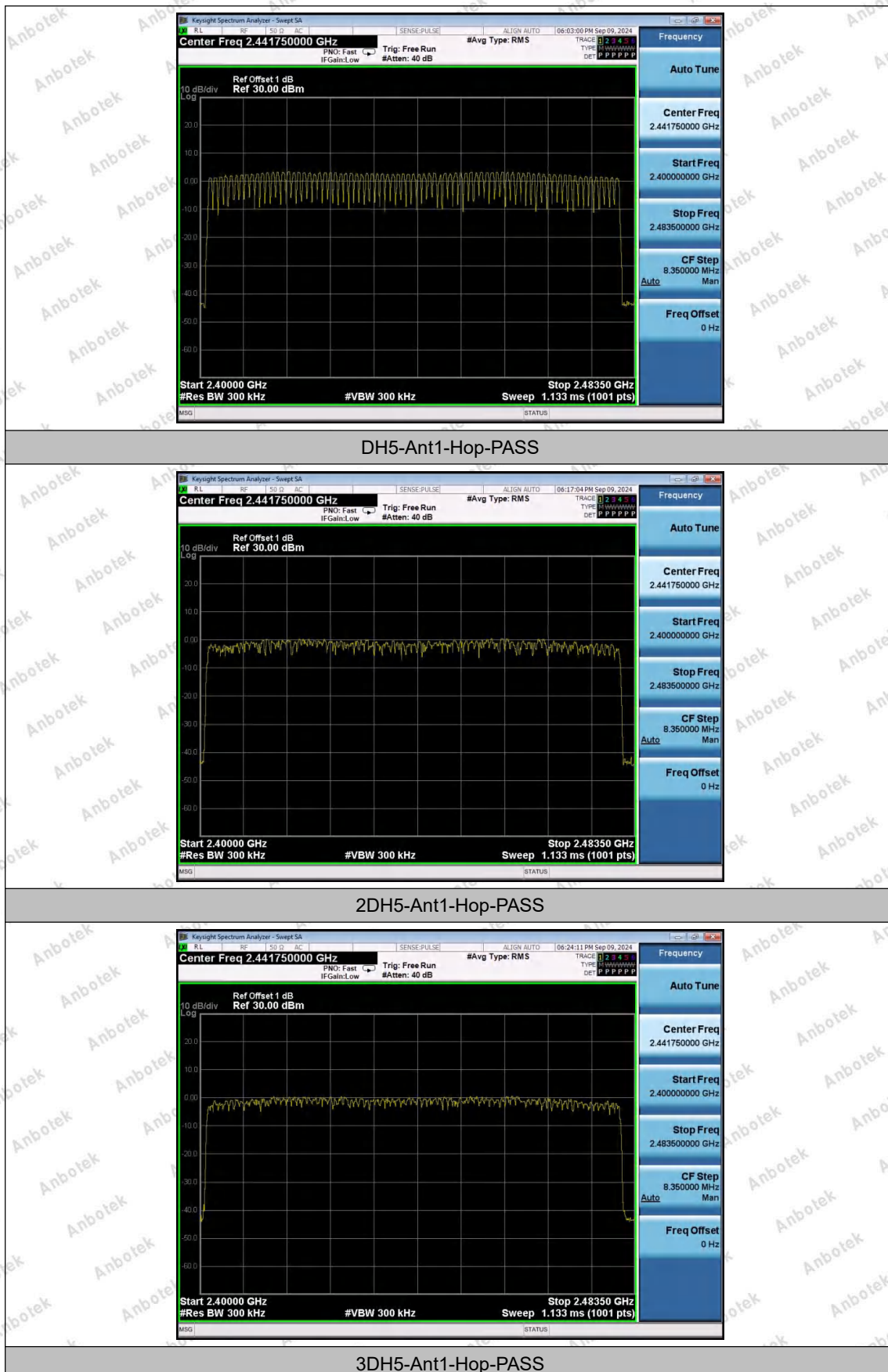
Appendix F: Number of Hopping Channel

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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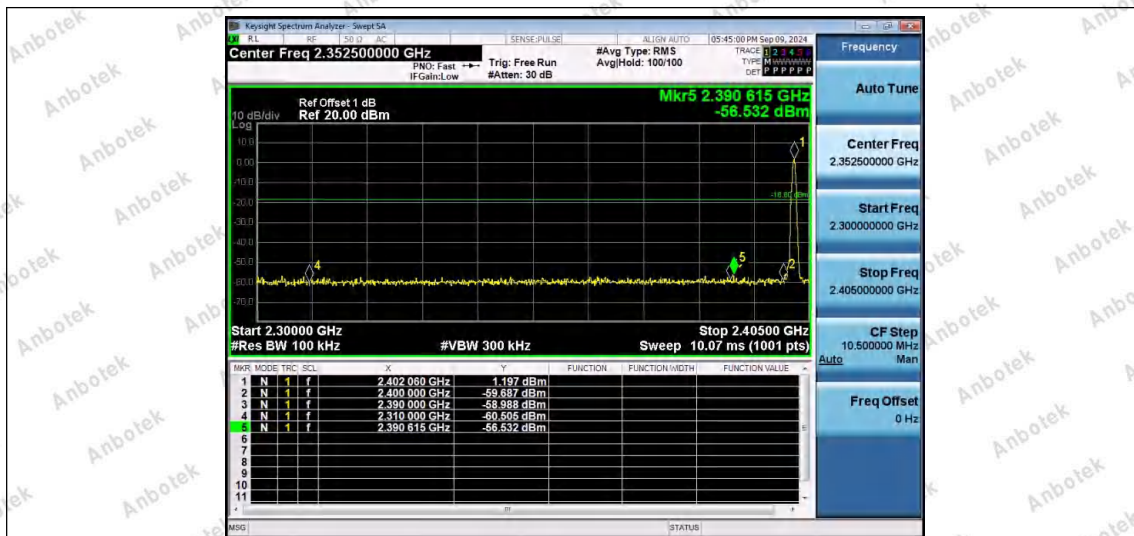
Appendix G: Conducted Band edge

Test Result

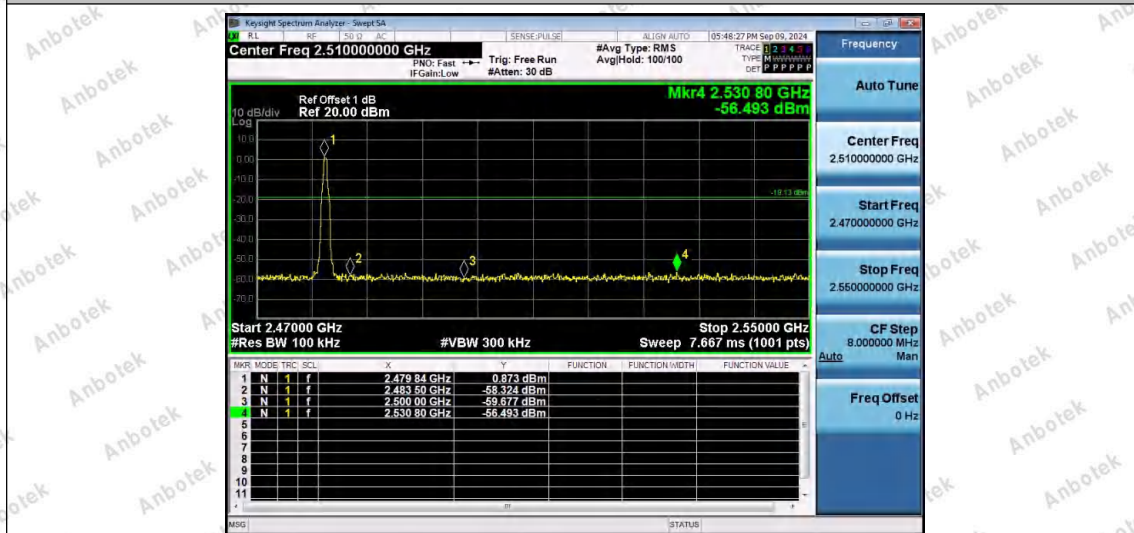
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.20	-56.53	≤-18.8	PASS
DH5	Ant1	High	2480	0.87	-56.49	≤-19.13	PASS
DH5	Ant1	Low	Hop_2402	1.30	-55.81	≤-18.7	PASS
DH5	Ant1	High	Hop_2480	1.33	-55.76	≤-18.68	PASS
2DH5	Ant1	Low	2402	-4.06	-56.37	≤-24.06	PASS
2DH5	Ant1	High	2480	-3.53	-55.91	≤-23.53	PASS
2DH5	Ant1	Low	Hop_2402	-1.70	-55.79	≤-21.7	PASS
2DH5	Ant1	High	Hop_2480	-3.48	-55.39	≤-23.48	PASS
3DH5	Ant1	Low	2402	-3.56	-56.35	≤-23.56	PASS
3DH5	Ant1	High	2480	-4.18	-56.62	≤-24.18	PASS
3DH5	Ant1	Low	Hop_2402	-3.21	-56.01	≤-23.21	PASS
3DH5	Ant1	High	Hop_2480	-3.08	-55.72	≤-23.08	PASS



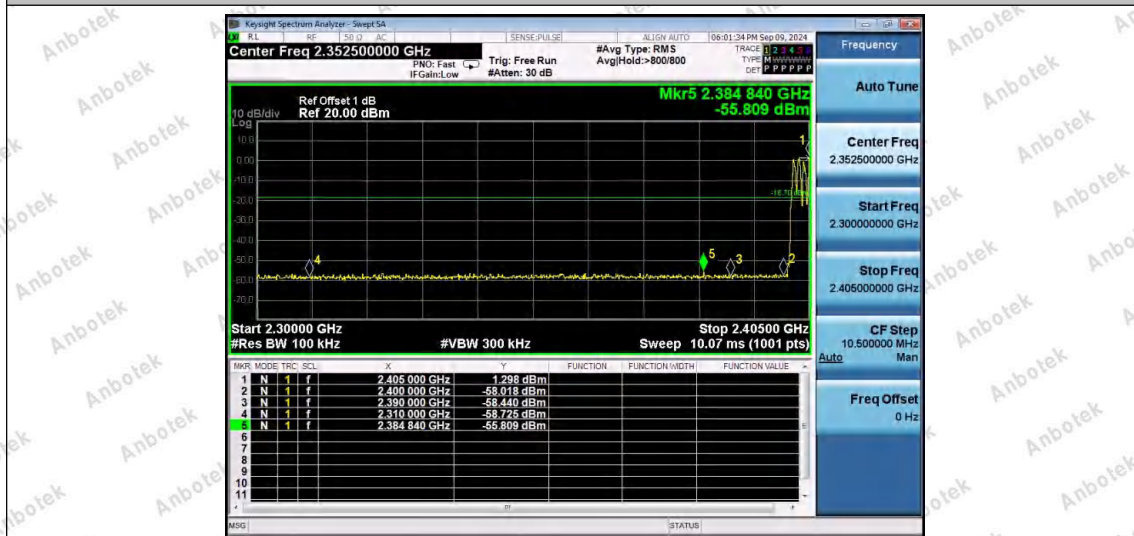
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

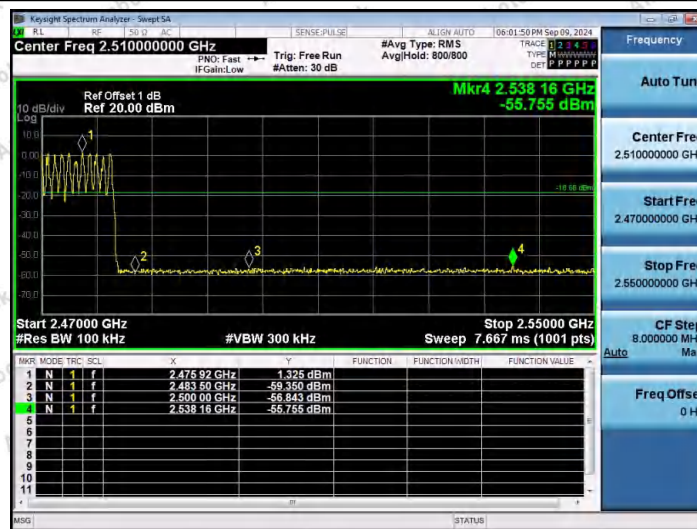
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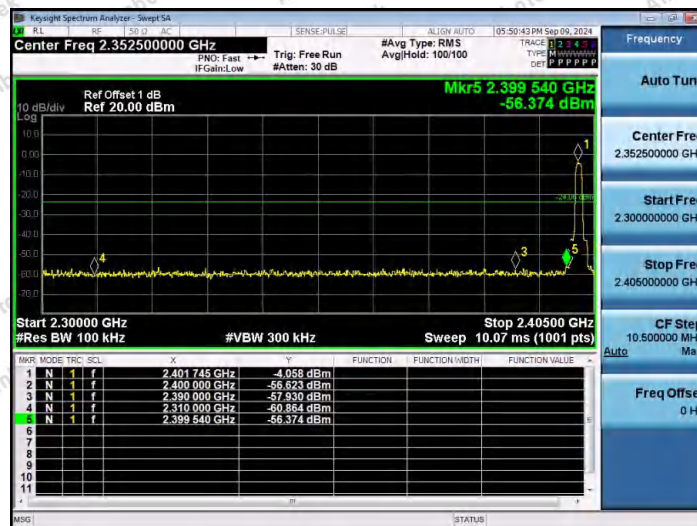


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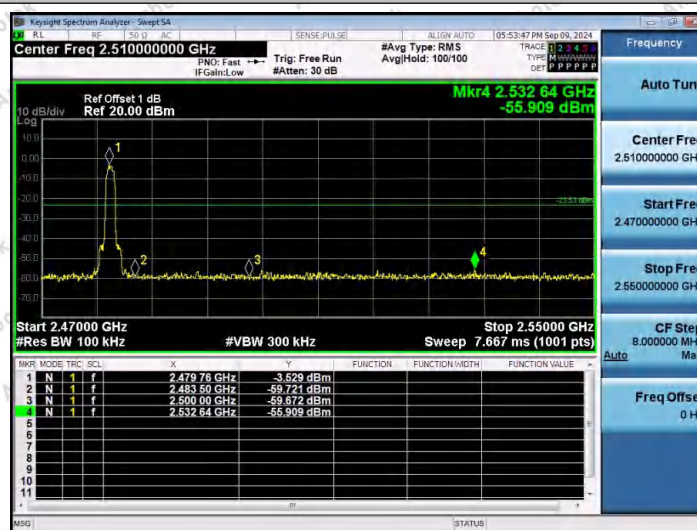




DH5-Ant1-Hop_2480-PASS

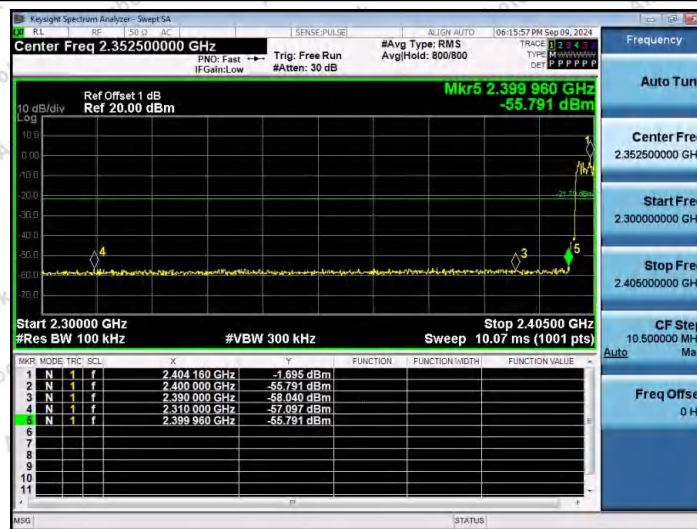


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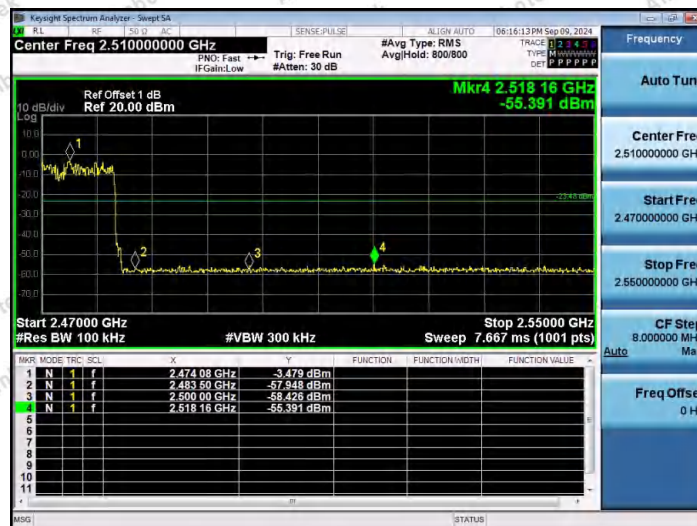


2DH5-Ant1-2480-PASS

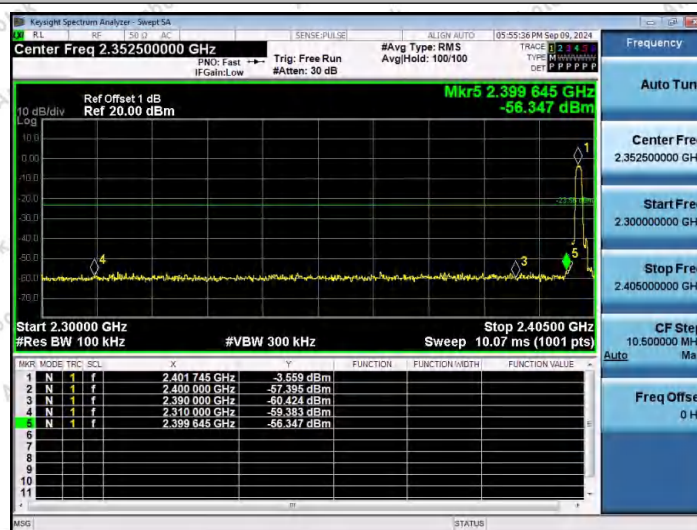




2DH5-Ant1-Hop_2402-PASS

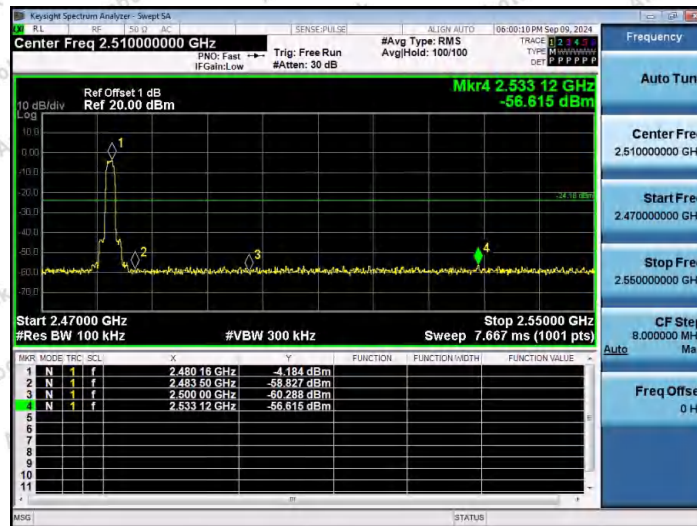


2DH5-Ant1-Hop_2480-PASS

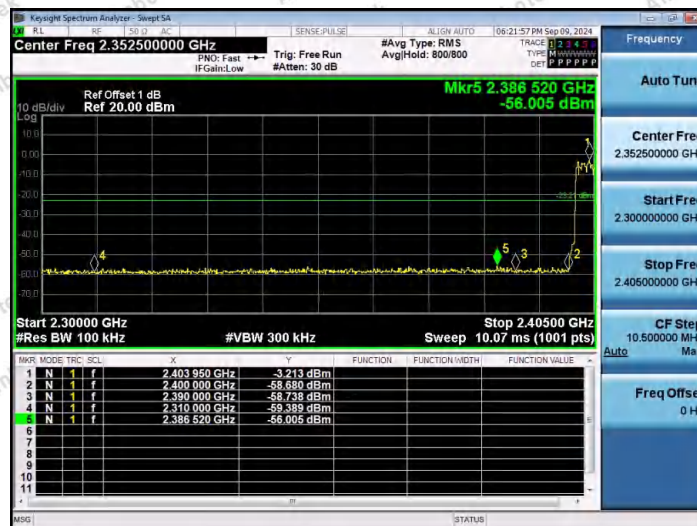


3DH5-Ant1-2402-PASS

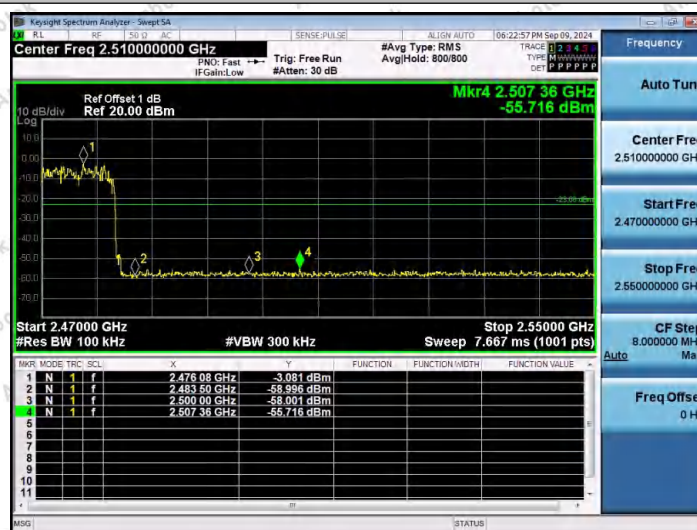




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

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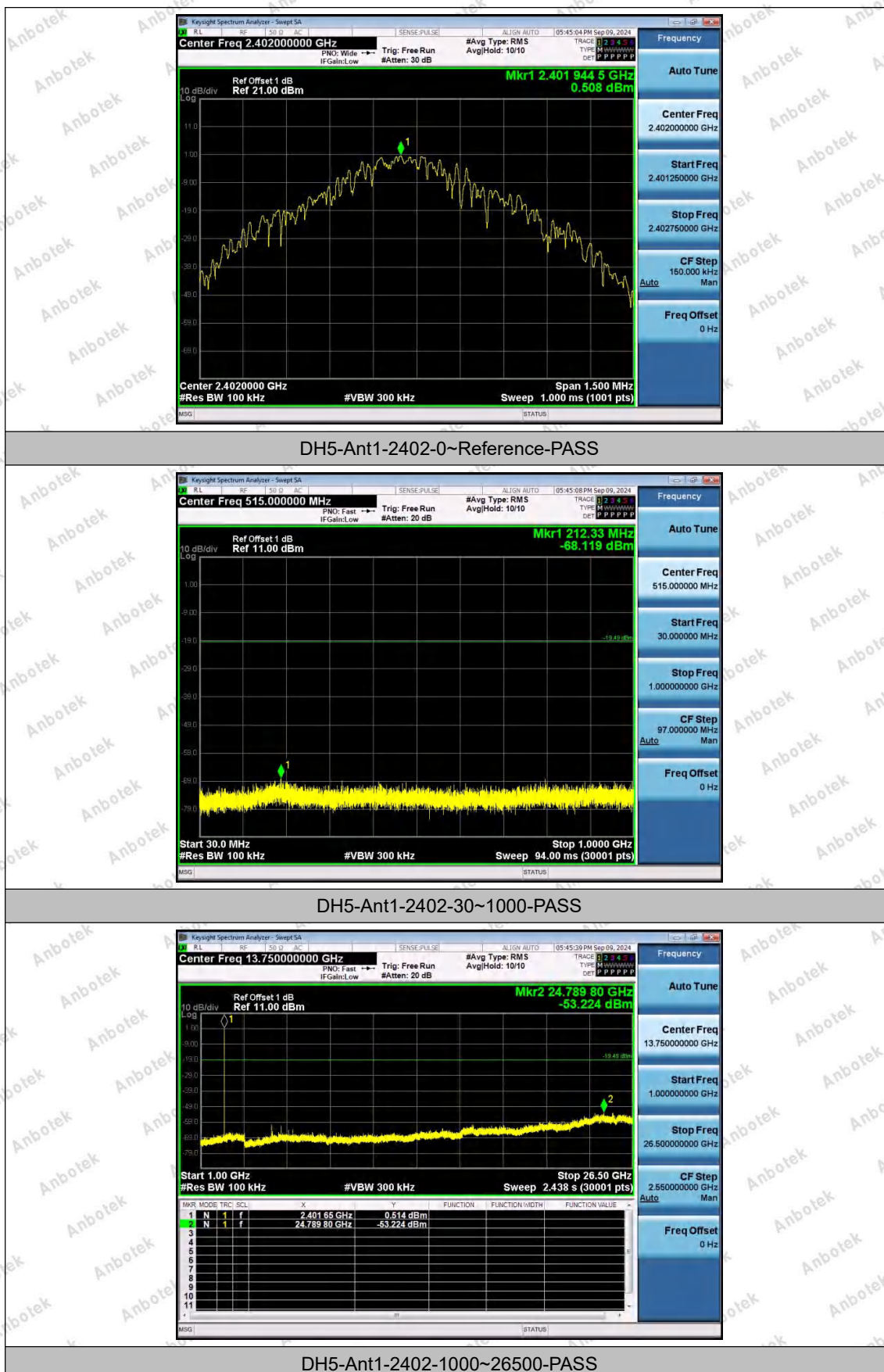
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.51	0.51	---	PASS
DH5	Ant1	2402	30~1000	0.51	-68.12	≤-19.49	PASS
DH5	Ant1	2402	1000~26500	0.51	-53.22	≤-19.49	PASS
DH5	Ant1	2441	0~Reference	1.99	1.99	---	PASS
DH5	Ant1	2441	30~1000	1.99	-68.26	≤-18.01	PASS
DH5	Ant1	2441	1000~26500	1.99	-52.82	≤-18.01	PASS
DH5	Ant1	2480	0~Reference	0.58	0.58	---	PASS
DH5	Ant1	2480	30~1000	0.58	-67.86	≤-19.42	PASS
DH5	Ant1	2480	1000~26500	0.58	-53.05	≤-19.42	PASS
2DH5	Ant1	2402	0~Reference	-4.05	-4.05	---	PASS
2DH5	Ant1	2402	30~1000	-4.05	-53.75	≤-24.05	PASS
2DH5	Ant1	2402	1000~26500	-4.05	-52	≤-24.05	PASS
2DH5	Ant1	2441	0~Reference	-3.27	-3.27	---	PASS
2DH5	Ant1	2441	30~1000	-3.27	-68.37	≤-23.27	PASS
2DH5	Ant1	2441	1000~26500	-3.27	-53.11	≤-23.27	PASS
2DH5	Ant1	2480	0~Reference	-3.27	-3.27	---	PASS
2DH5	Ant1	2480	30~1000	-3.27	-68.51	≤-23.27	PASS
2DH5	Ant1	2480	1000~26500	-3.27	-53.61	≤-23.27	PASS
3DH5	Ant1	2402	0~Reference	-3.76	-3.76	---	PASS
3DH5	Ant1	2402	30~1000	-3.76	-68.51	≤-23.76	PASS
3DH5	Ant1	2402	1000~26500	-3.76	-53.82	≤-23.76	PASS
3DH5	Ant1	2441	0~Reference	-3.20	-3.20	---	PASS
3DH5	Ant1	2441	30~1000	-3.20	-68.44	≤-23.2	PASS
3DH5	Ant1	2441	1000~26500	-3.20	-53.68	≤-23.2	PASS
3DH5	Ant1	2480	0~Reference	-3.73	-3.73	---	PASS
3DH5	Ant1	2480	30~1000	-3.73	-68.68	≤-23.73	PASS
3DH5	Ant1	2480	1000~26500	-3.73	-53.39	≤-23.73	PASS



Test Graphs



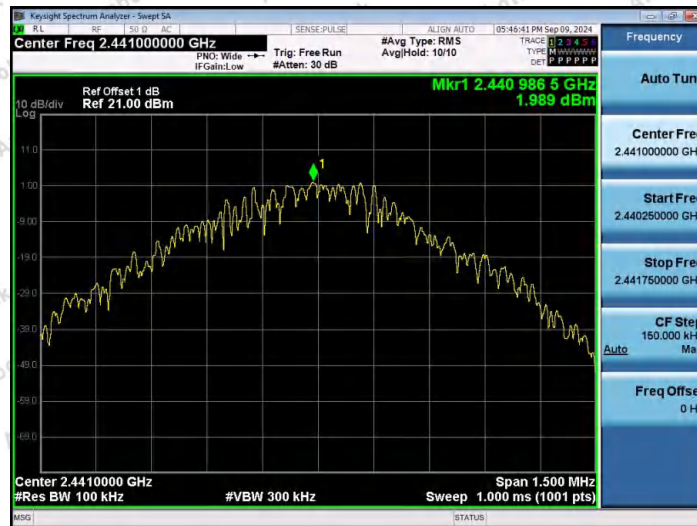
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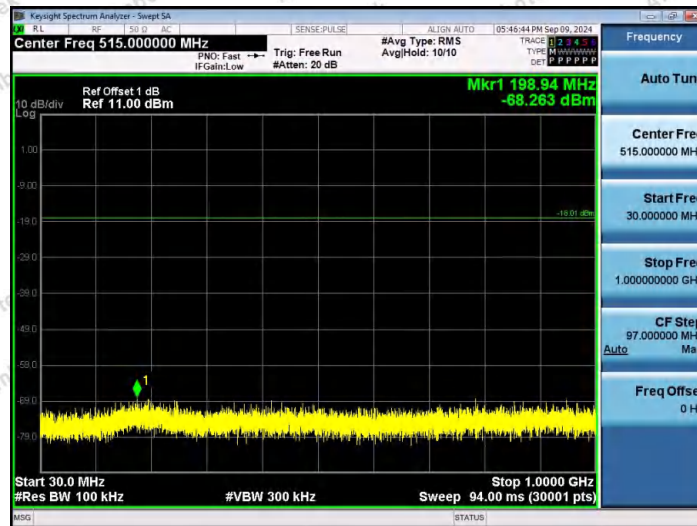


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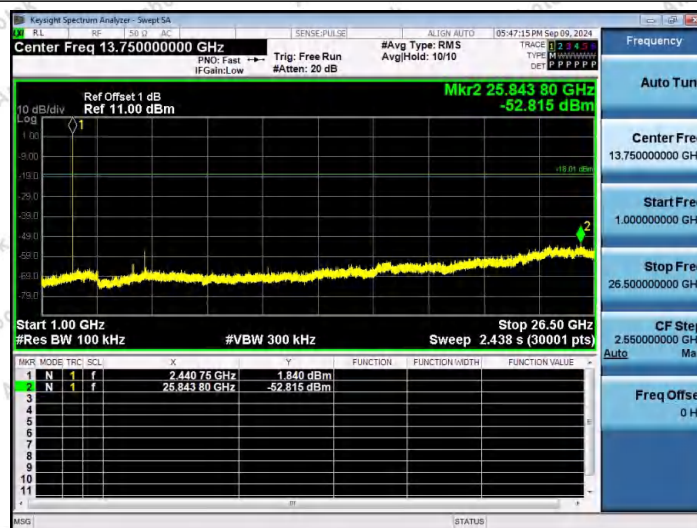




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

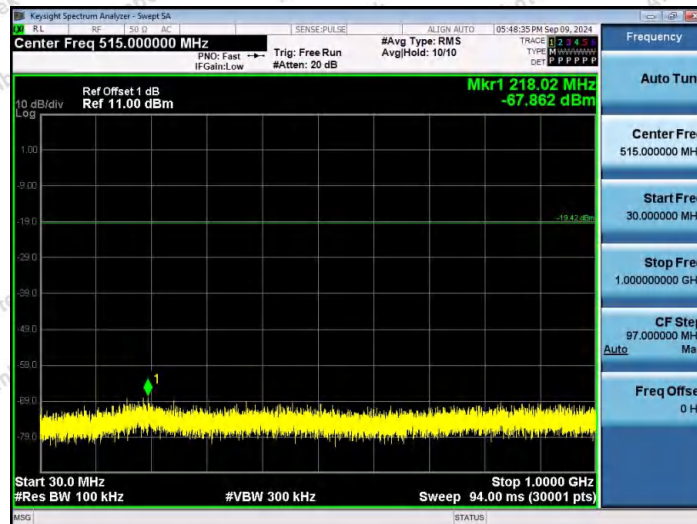


DH5-Ant1-2441-1000~26500-PASS

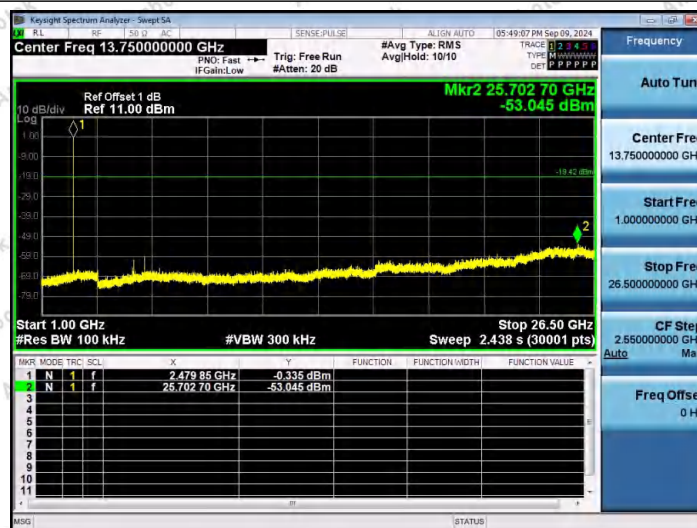




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

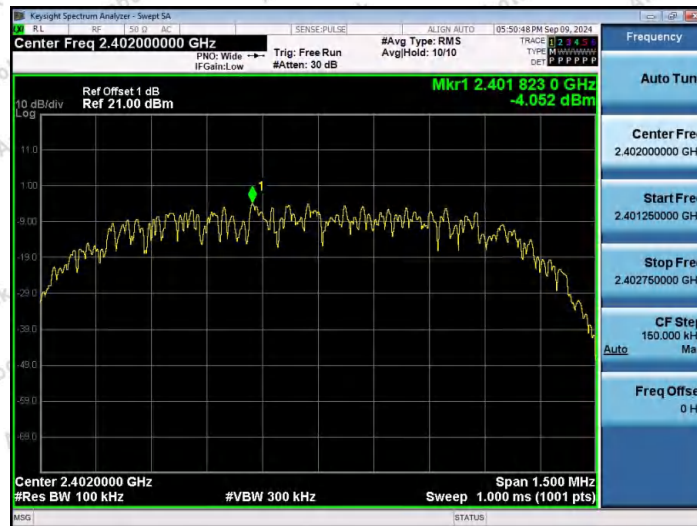
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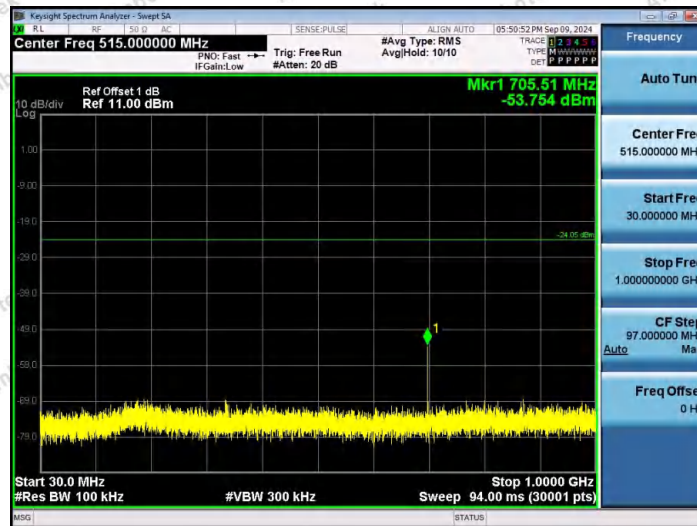


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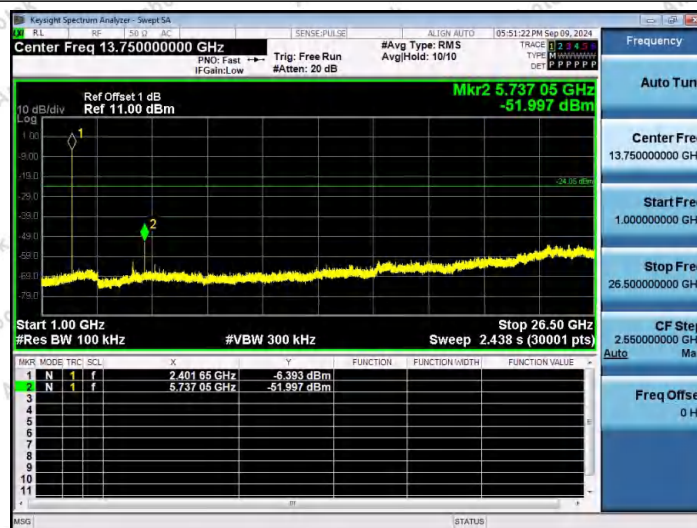




2DH5-Ant1-2402-0~Reference-PASS



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

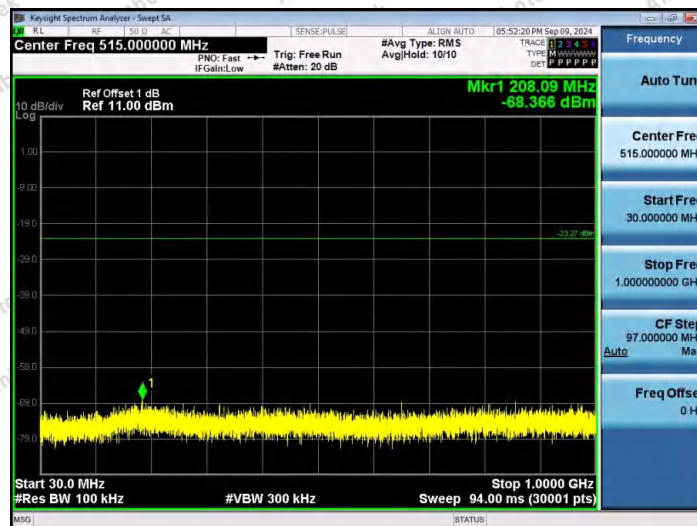


2DH5-Ant1-2402-1000~26500-PASS

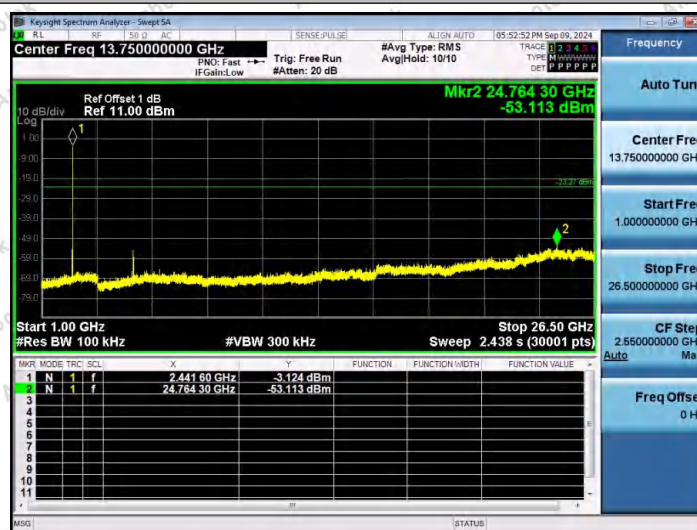




2DH5-Ant1-2441-0~Reference-PASS



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



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

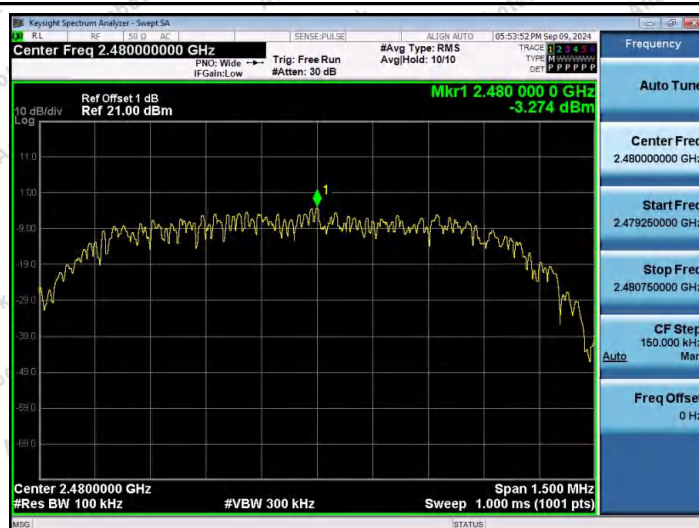
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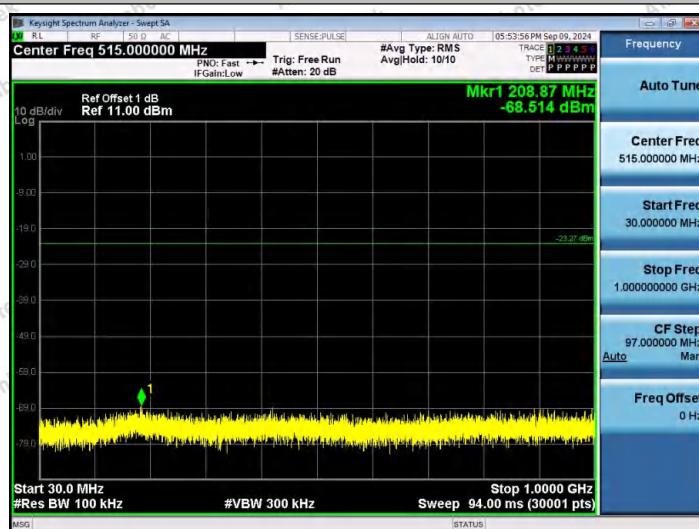


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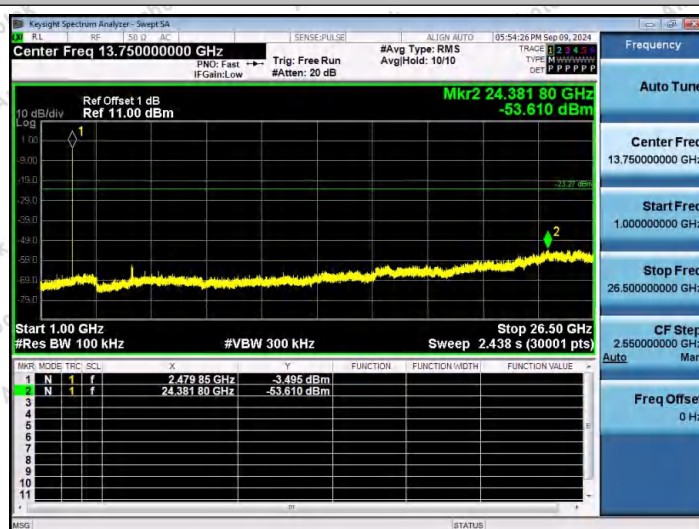




2DH5-Ant1-2480-0~Reference-PASS

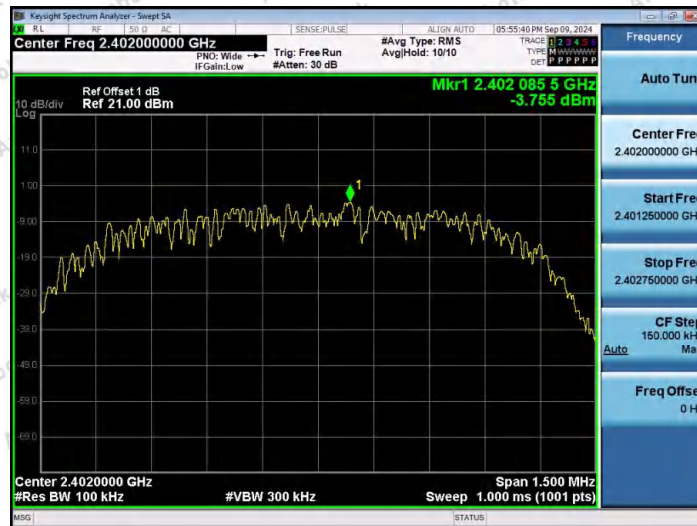


2DH5-Ant1-2480-30~1000-PASS

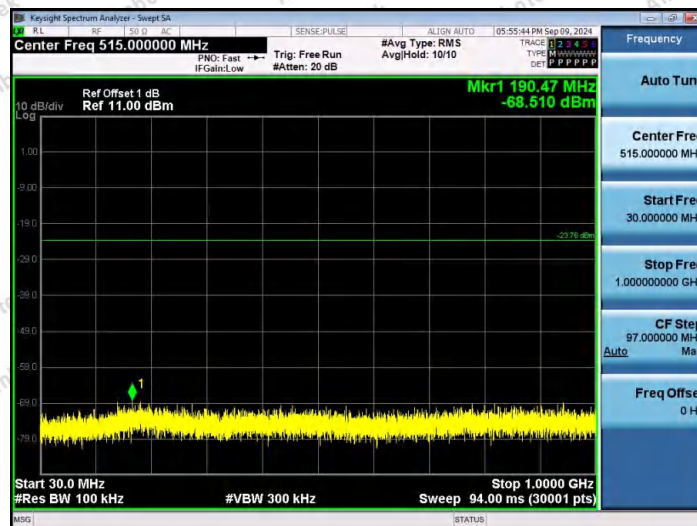


2DH5-Ant1-2480-1000~26500-PASS

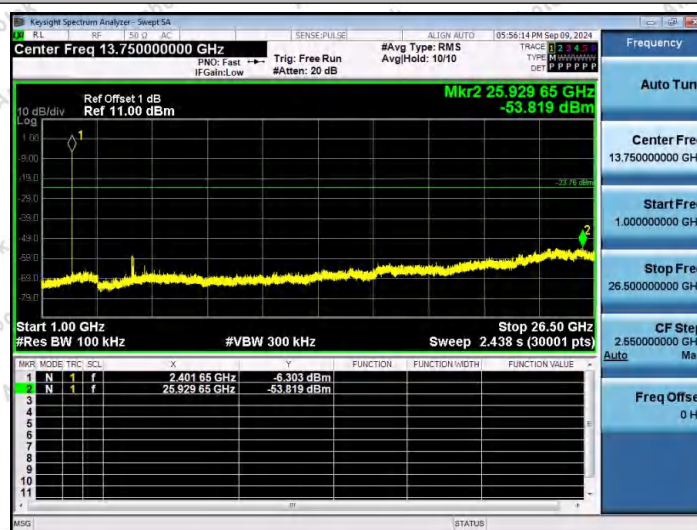




3DH5-Ant1-2402-0~Reference-PASS



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



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

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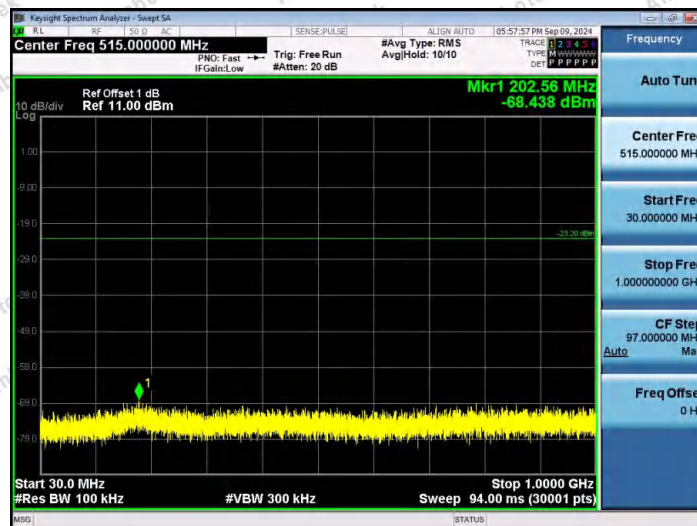


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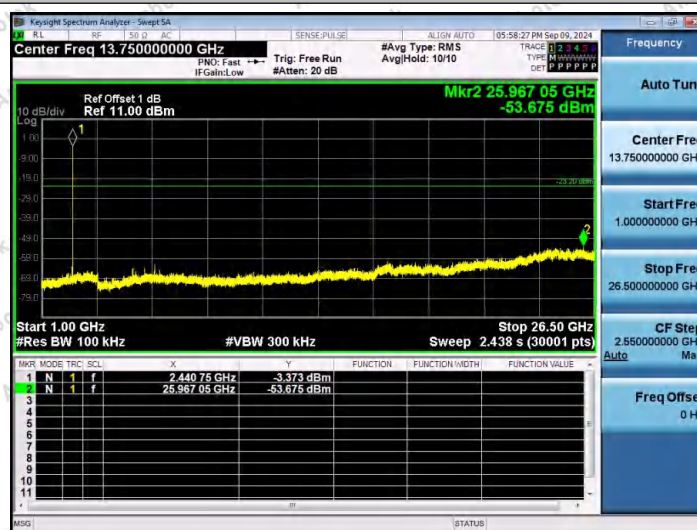




3DH5-Ant1-2441-0~Reference-PASS



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



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

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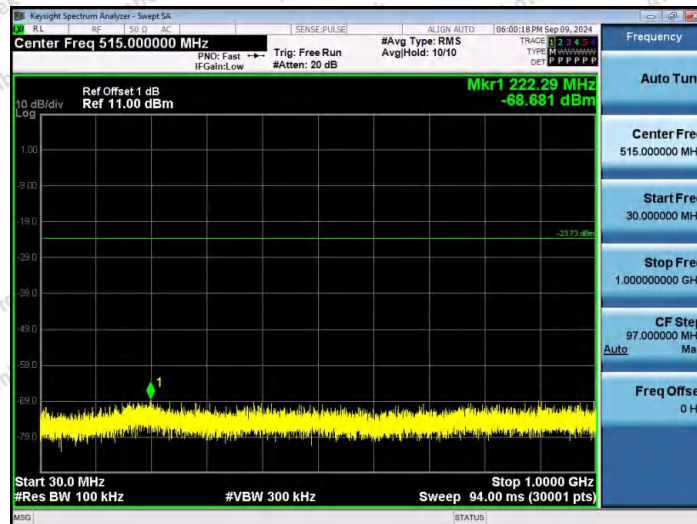


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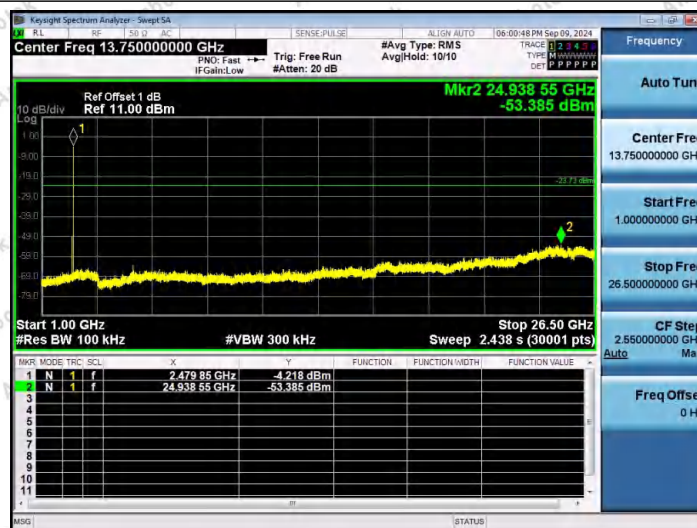




3DH5-Ant1-2480-0~Reference-PASS



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



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

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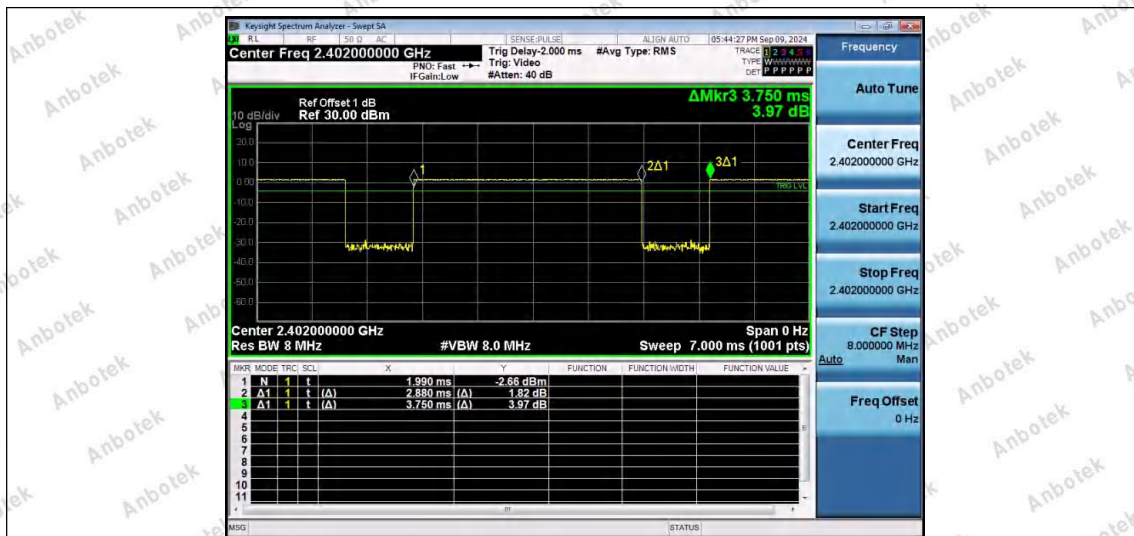
Appendix I: Duty Cycle

Test Result

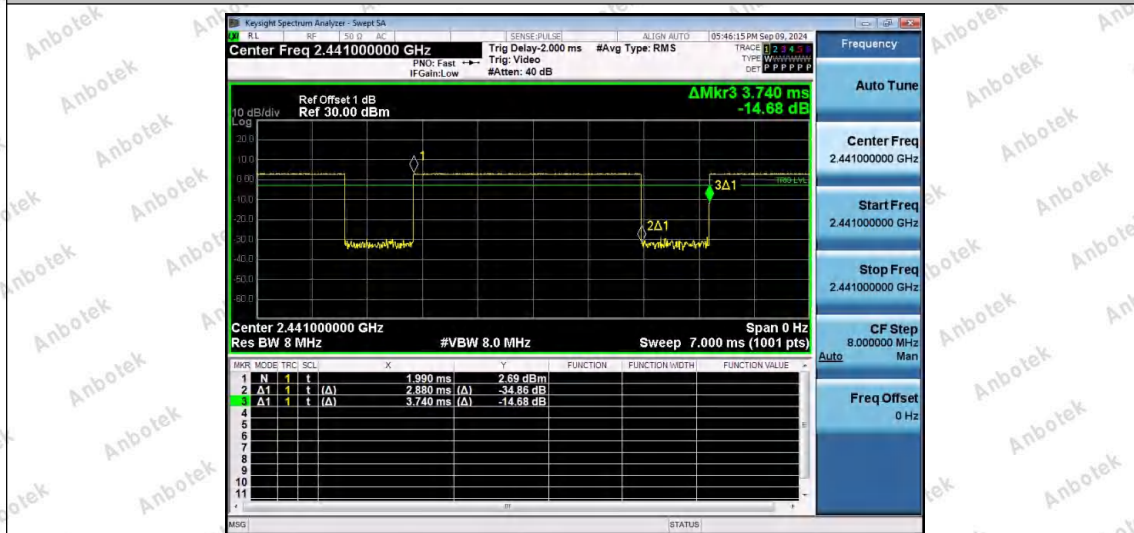
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.74	77.01	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.88	3.74	77.01	1.13
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15



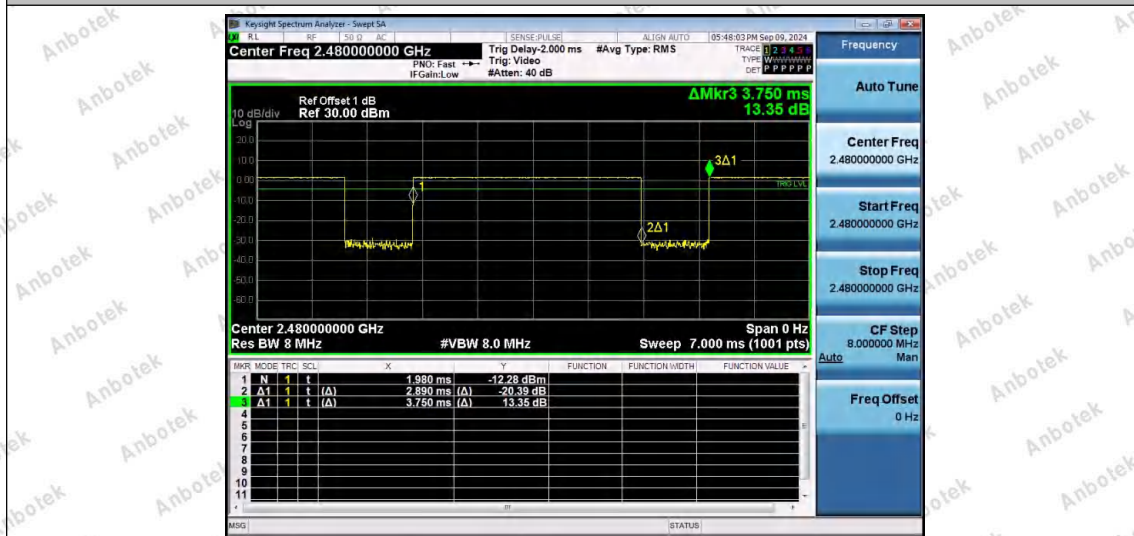
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

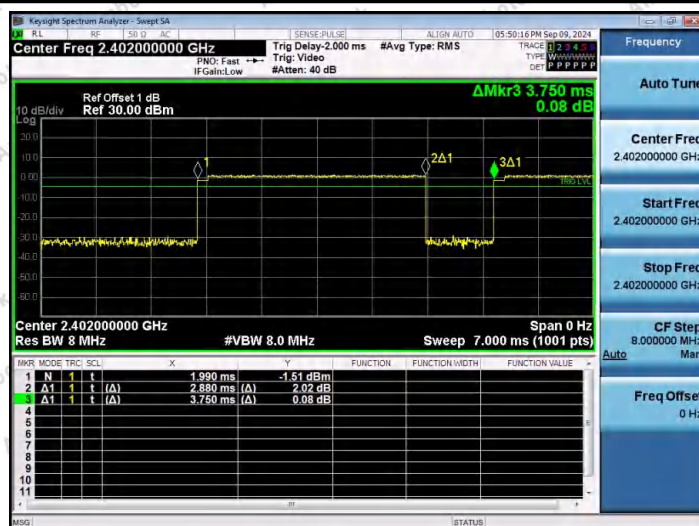
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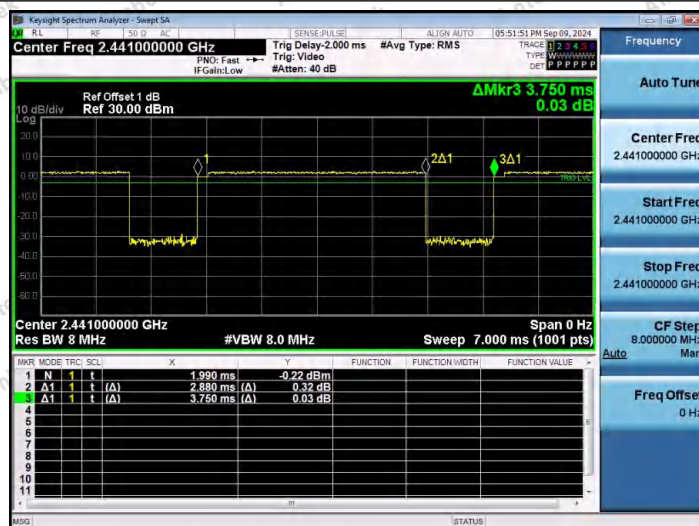


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NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441



NTVN-2DH5-Ant1-2480

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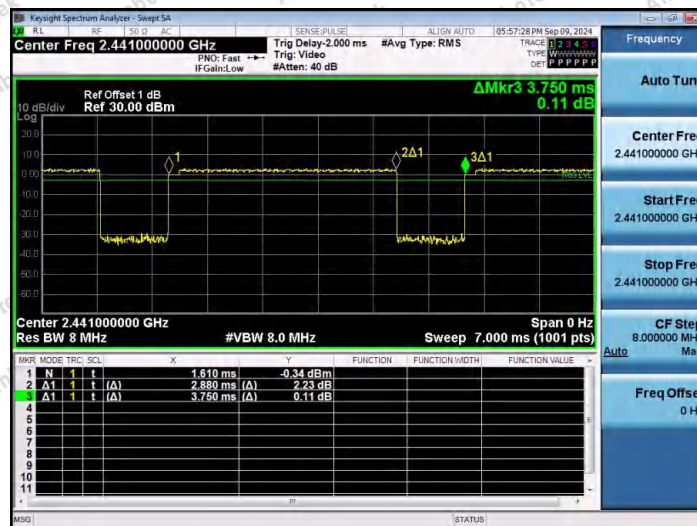


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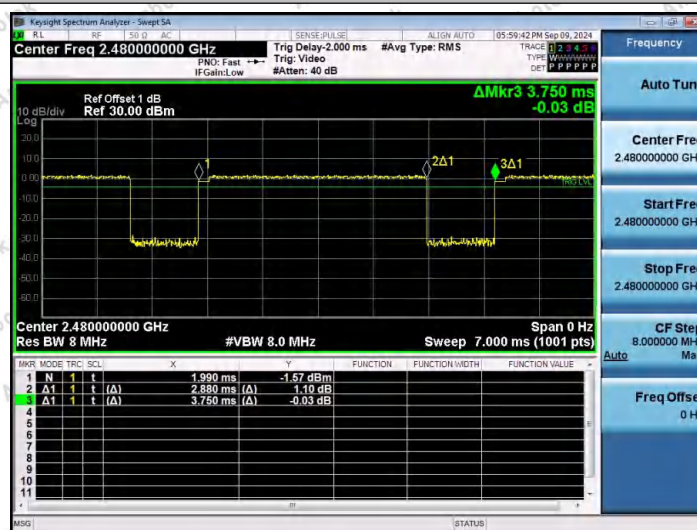




NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

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